

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055181.D
 Acq On : 22 Apr 2019 15:11
 Operator : JC/SP
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Quant Time: Apr 23 05:59:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	409601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273722	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	221867	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.09	98	813978	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	254741	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116193	22.032	ug/l	99
3) Chloromethane	2.06	50	132835	20.555	ug/l	97
4) Vinyl Chloride	2.19	62	104346	20.151	ug/l	96
5) Bromomethane	2.56	94	57254	19.066	ug/l	100
6) Chloroethane	2.70	64	52834	19.359	ug/l	97
7) Trichlorofluoromethane	3.02	101	143357	20.344	ug/l	99
8) Diethyl Ether	3.41	74	53749	21.370	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	87563	19.913	ug/l	99
10) Methyl Iodide	3.95	142	126810	20.565	ug/l	99
11) Tert butyl alcohol	4.79	59	33347	103.028	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	84011	19.936	ug/l	96
13) Acrolein	3.61	56	49340	107.332	ug/l	98
14) Allyl chloride	4.33	41	167057	20.053	ug/l	99
15) Acrylonitrile	4.99	53	184196	103.767	ug/l	99
16) Acetone	3.82	43	168899	92.156	ug/l	99
17) Carbon Disulfide	4.05	76	228884	19.428	ug/l	99
18) Methyl Acetate	4.33	43	85721	21.115	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	241736	20.748	ug/l	100
20) Methylene Chloride	4.55	84	100076	18.994	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	88272	19.976	ug/l	95
22) Diisopropyl ether	5.96	45	335389	20.197	ug/l	99
23) Vinyl Acetate	5.90	43	1186737	106.347	ug/l	99
24) 1,1-Dichloroethane	5.85	63	180927	20.256	ug/l	98
25) 2-Butanone	6.84	43	236232	99.838	ug/l	98
26) 2,2-Dichloropropane	6.82	77	118127	19.543	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	102906	20.201	ug/l	99
28) Bromochloromethane	7.20	49	92630	20.344	ug/l	100
29) Tetrahydrofuran	7.22	42	156047	107.262	ug/l	99
30) Chloroform	7.37	83	167026	19.659	ug/l	98
31) Cyclohexane	7.66	56	174123	20.043	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	138148	20.239	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125911	20.211	ug/l	99
37) Ethyl Acetate	6.93	43	100895	20.068	ug/l	98
38) Carbon Tetrachloride	7.78	117	115725	19.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139999	18.837	ug/l	99
40) Benzene	8.04	78	380171	19.769	ug/l	98
41) Methacrylonitrile	7.17	41	44477	16.874	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	130580	19.463	ug/l	98
43) Isopropyl Acetate	8.17	43	170483	20.940	ug/l #	89
44) Trichloroethene	8.84	130	94442	19.430	ug/l	99
45) 1,2-Dichloropropane	9.12	63	104867	19.318	ug/l	99
46) Dibromomethane	9.21	93	61973	19.943	ug/l	96
47) Bromodichloromethane	9.40	83	123153	19.797	ug/l	96
48) Methyl methacrylate	9.20	41	77102	19.524	ug/l	96
49) 1,4-Dioxane	9.20	88	18092	396.700	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	466499	99.577	ug/l	100
52) Toluene	10.16	92	222262	19.715	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	112462	19.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	139257	19.656	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84343	20.293	ug/l	94
56) Ethyl methacrylate	10.43	69	105820	20.438	ug/l	99
57) 1,3-Dichloropropane	10.71	76	145679	20.146	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	163275	89.427	ug/l	100
59) 2-Hexanone	10.75	43	300445	101.531	ug/l	99
60) Dibromochloromethane	10.90	129	82664	19.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	76654	19.616	ug/l	98
64) Tetrachloroethene	10.63	164	90004	19.351	ug/l	95
65) Chlorobenzene	11.43	112	223853	19.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85062	19.722	ug/l	100
67) Ethyl Benzene	11.51	91	406339	19.602	ug/l	99
68) m/p-Xylenes	11.62	106	299434	40.275	ug/l	99
69) o-Xylene	11.95	106	146695	19.882	ug/l	100
70) Styrene	11.96	104	234340	20.490	ug/l	100
71) Bromoform	12.13	173	49874	19.378	ug/l #	98
73) Isopropylbenzene	12.25	105	392620	21.386	ug/l	100
74) N-amyl acetate	12.07	43	111735	20.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	102647	22.059	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	120126	27.479	ug/l #	100
77) Bromobenzene	12.52	156	91443	19.223	ug/l	99
78) n-propylbenzene	12.59	91	419740	19.424	ug/l	100
79) 2-Chlorotoluene	12.67	91	260763	19.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	318346	19.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20512	17.787	ug/l	94
82) 4-Chlorotoluene	12.77	91	247082	19.681	ug/l	99
83) tert-Butylbenzene	12.99	119	273178	21.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	304013	19.972	ug/l	99
85) sec-Butylbenzene	13.17	105	350615	19.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	297923	19.816	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	145862	19.974	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136332	19.176	ug/l	99
89) n-Butylbenzene	13.61	91	208169	18.680	ug/l	99
90) Hexachloroethane	13.87	117	49005	18.379	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	147980	19.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12649	19.331	ug/l	97

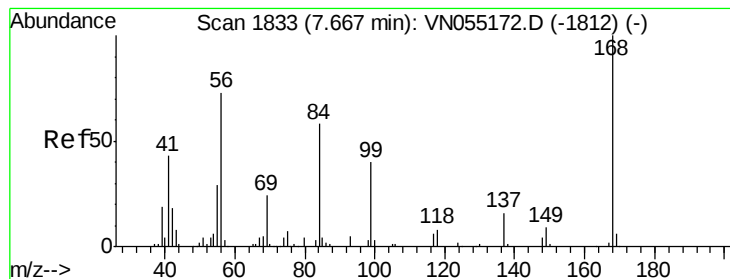
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055181.D
Acq On : 22 Apr 2019 15:11
Operator : JC/SP
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49043	17.367	ug/l	98
94) Hexachlorobutadiene	15.01	225	48714	20.964	ug/l	99
95) Naphthalene	15.13	128	104204	17.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52160	17.994	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

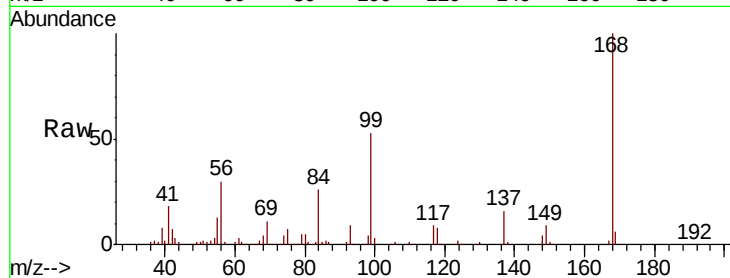
VN0422WBS01

Tot Ion:168 Resp: 409601

Ion Ratio Lower Upper

168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

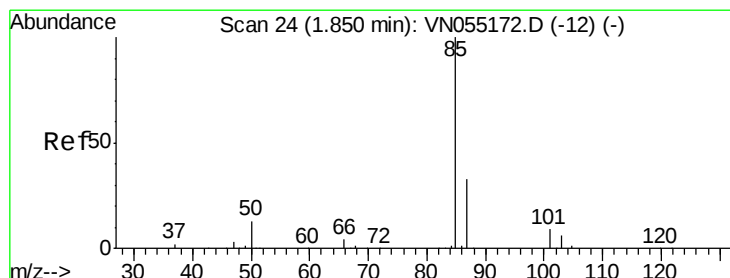
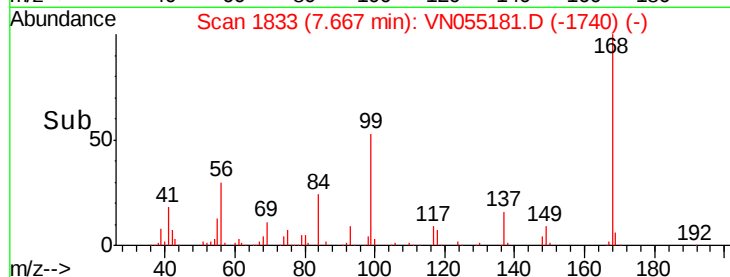
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.032 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055181.D

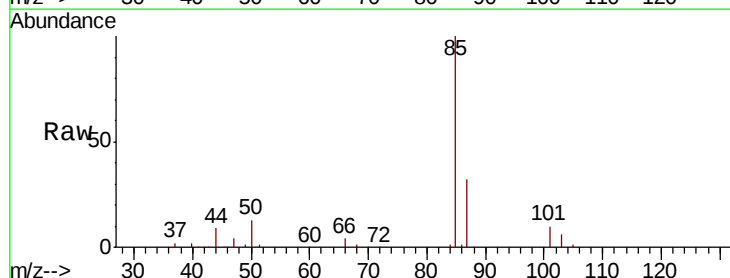
Acq: 22 Apr 2019 15:11

Tgt Ion: 85 Resp: 116193

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

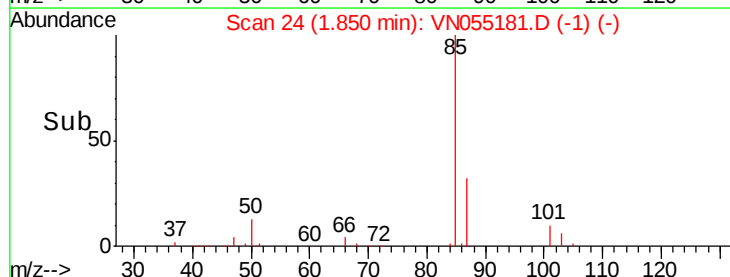
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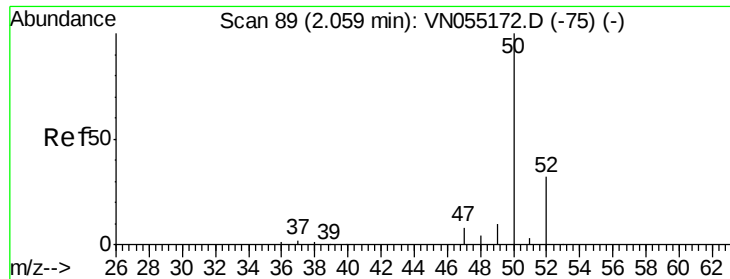
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.555 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

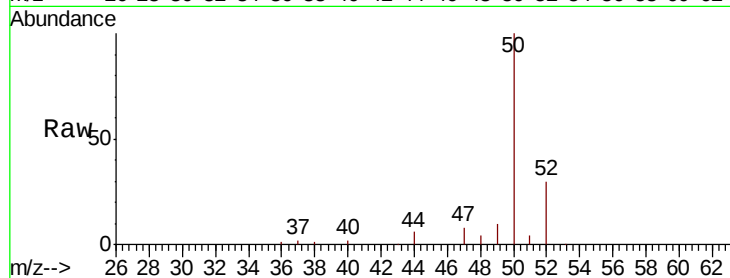
VN0422WBS01

Tot Ion: 50 Resp: 132835

Ion Ratio Lower Upper

50 100

52 30.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

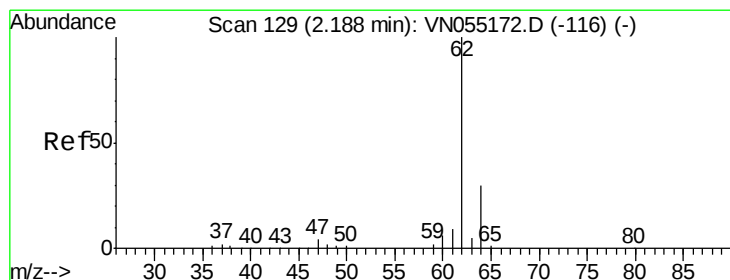
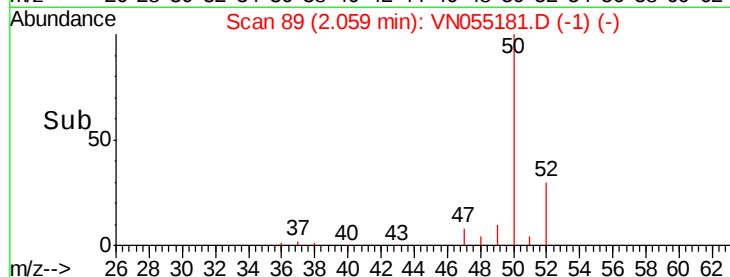
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.151 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055181.D

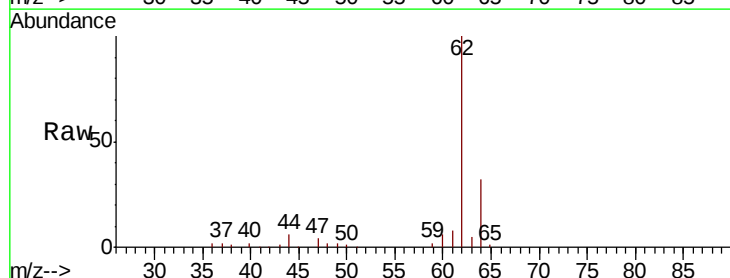
Acq: 22 Apr 2019 15:11

Tgt Ion: 62 Resp: 104346

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

80000

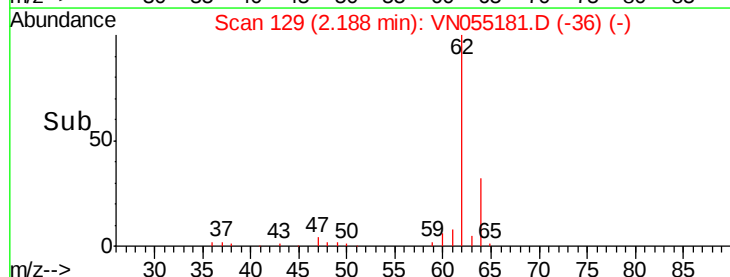
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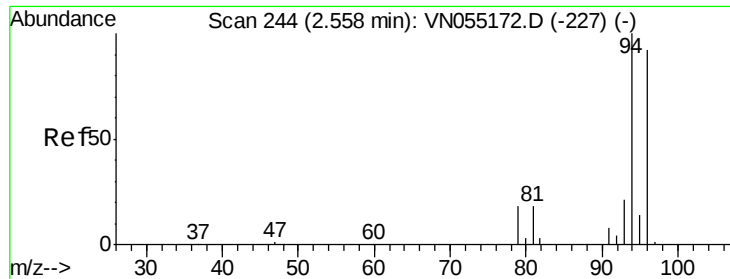
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.066 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

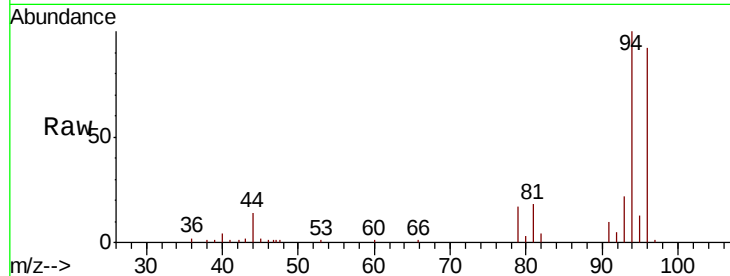
VN0422WBS01

Tot Ion: 94 Resp: 57254

Ion Ratio Lower Upper

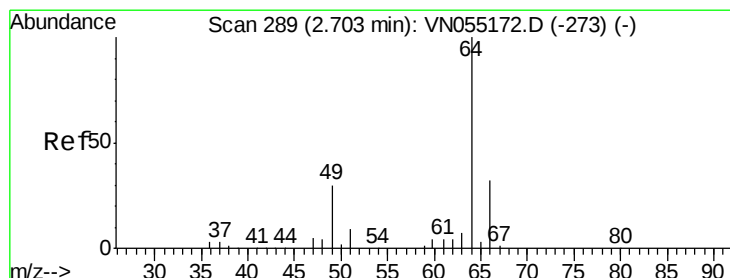
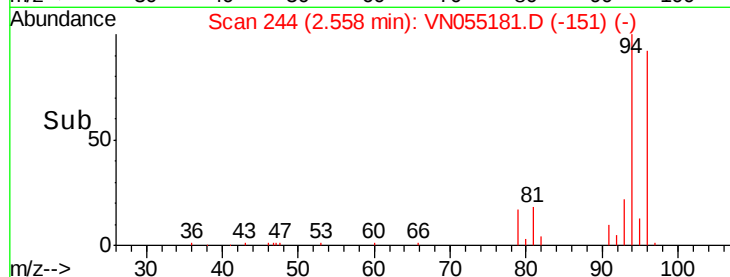
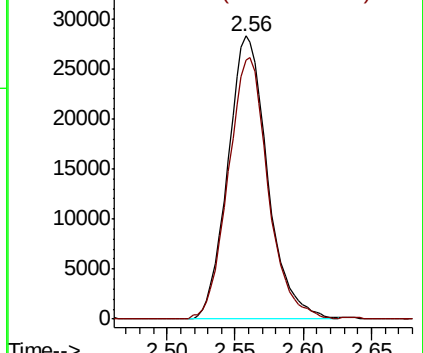
94 100

96 91.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.359 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055181.D

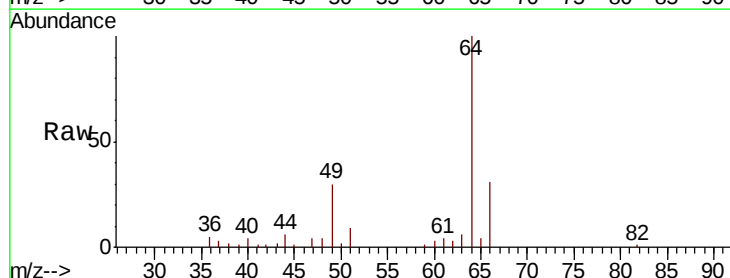
Acq: 22 Apr 2019 15:11

Tgt Ion: 64 Resp: 52834

Ion Ratio Lower Upper

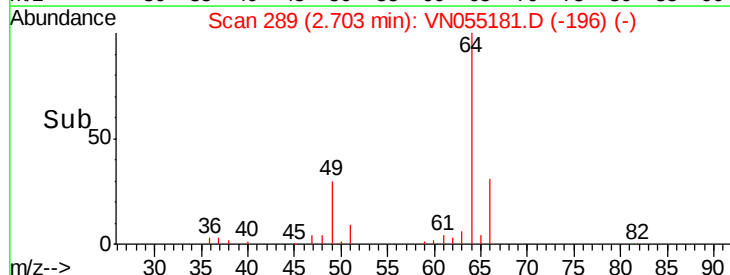
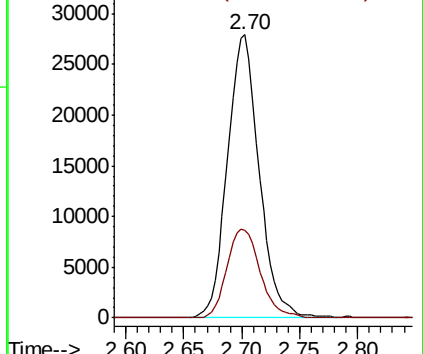
64 100

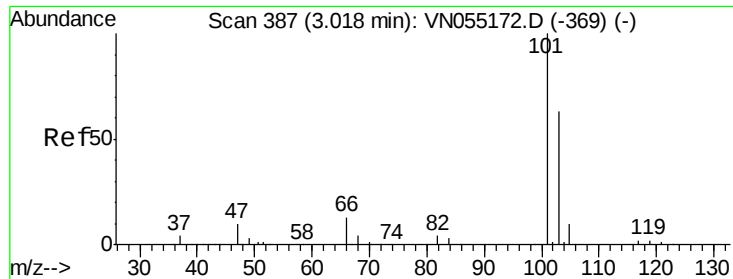
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



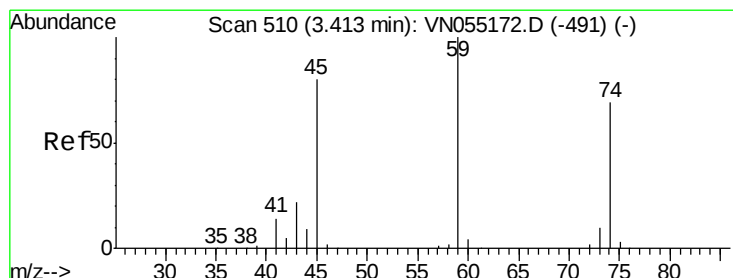
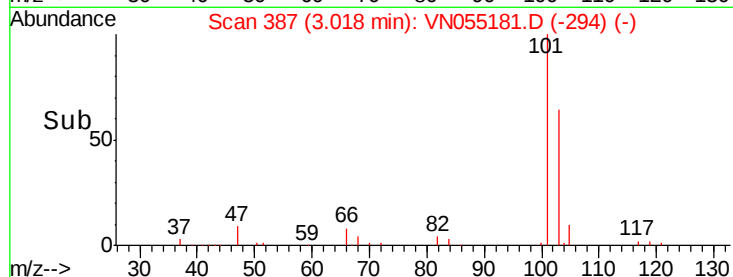
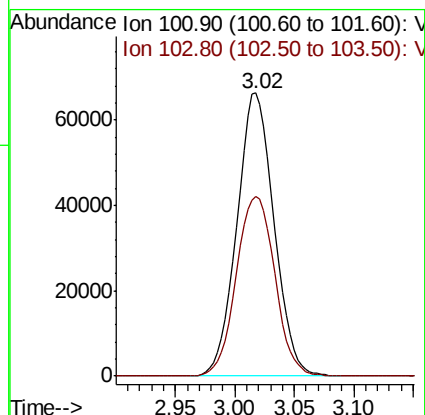
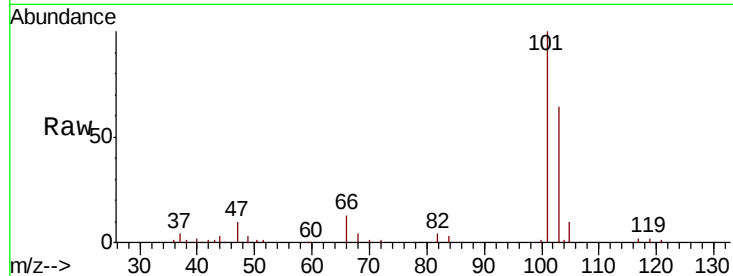


#7

Trichlorofluoromethane
 Concen: 20.344 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
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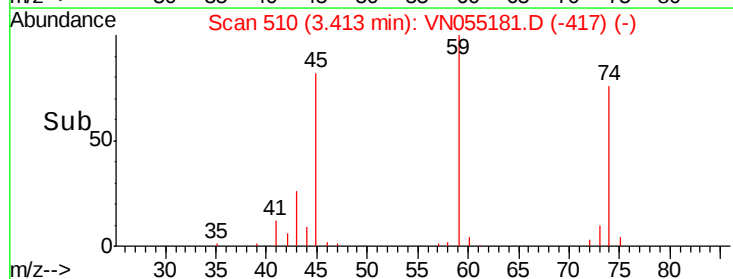
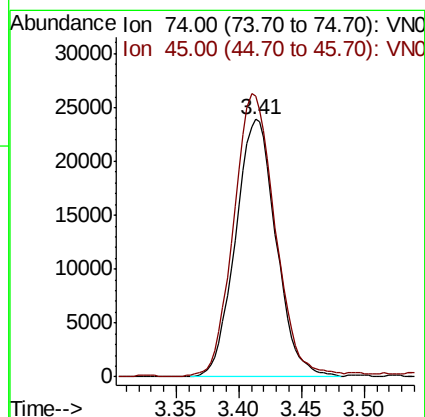
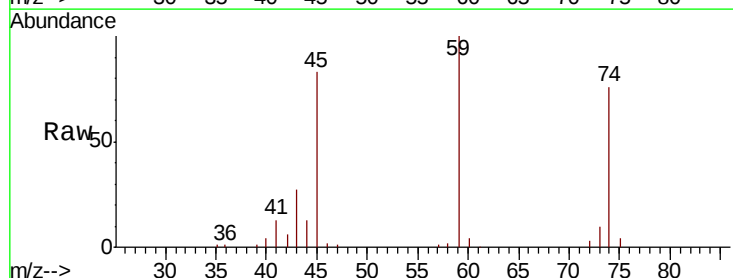
Tot Ion:101 Resp: 143357
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.1 75.1

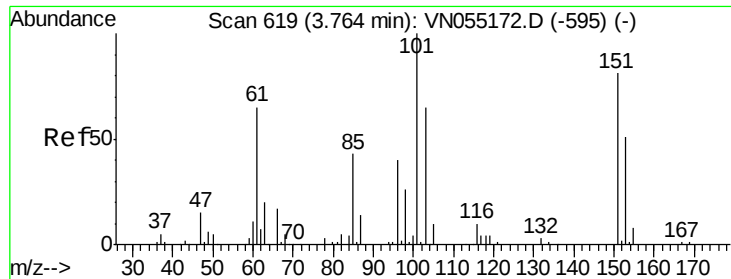


#8

Diethyl Ether
 Concen: 21.370 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 74 Resp: 53749
 Ion Ratio Lower Upper
 74 100
 45 113.0 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.913 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

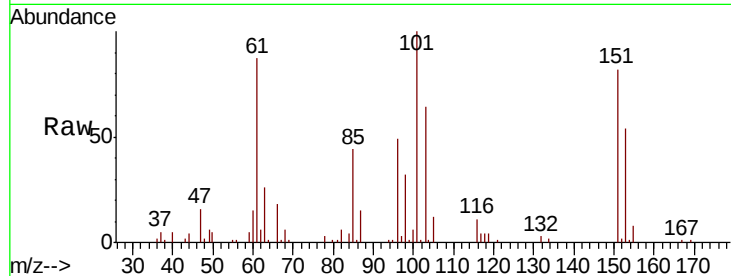
Tot Ion:101 Resp: 87563

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

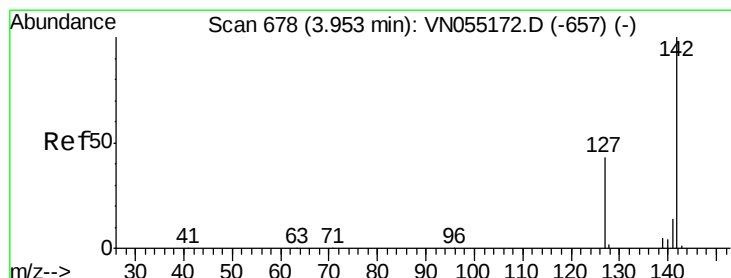
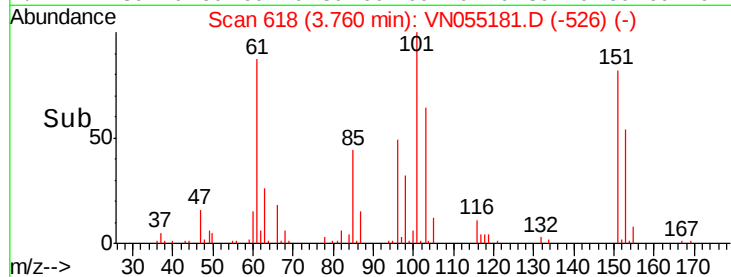
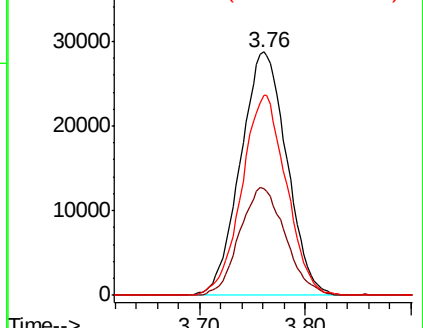
151 79.0 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.565 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

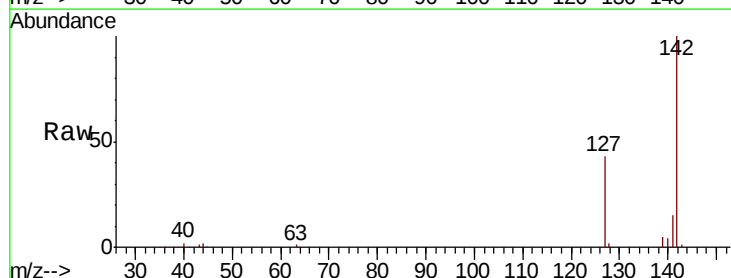
Tgt Ion:142 Resp: 126810

Ion Ratio Lower Upper

142 100

127 42.2 34.1 51.1

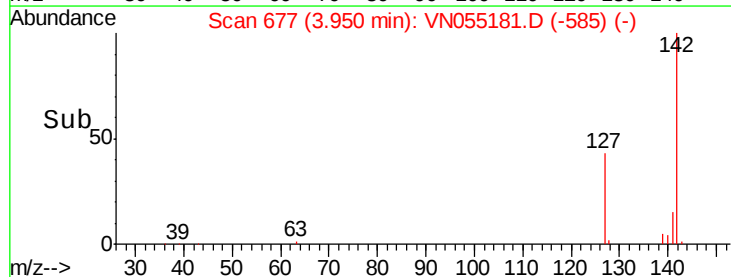
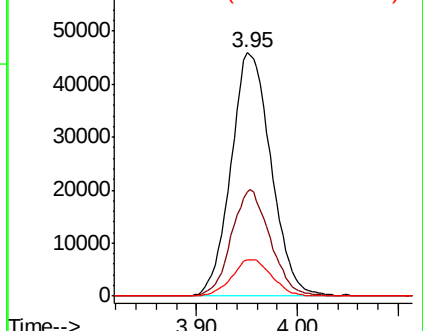
141 14.9 11.4 17.2

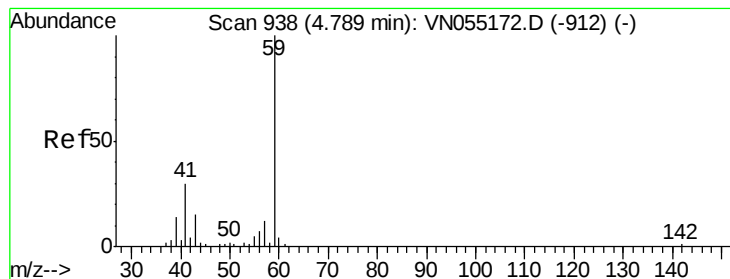


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



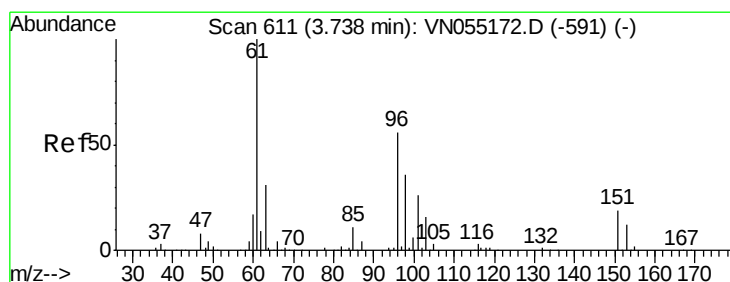
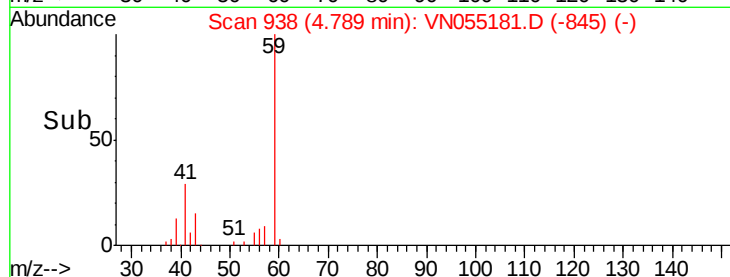
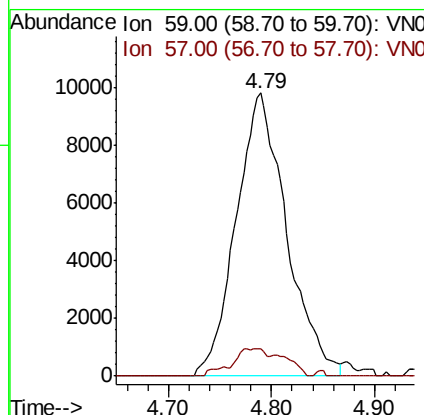
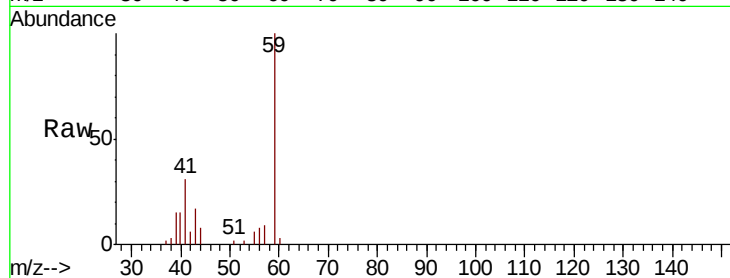


#11

Tert butyl alcohol
 Concen: 103.028 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0422WBS01

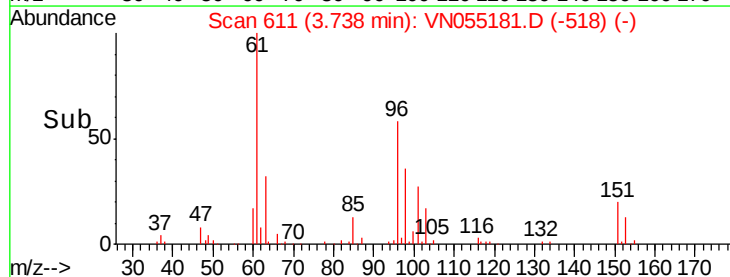
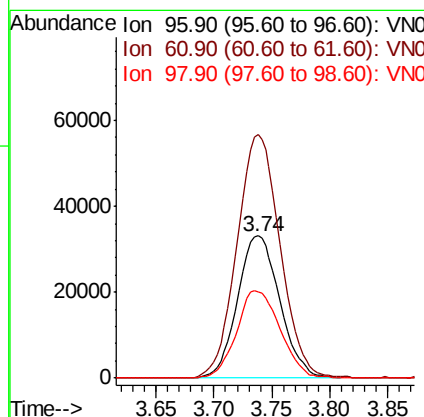
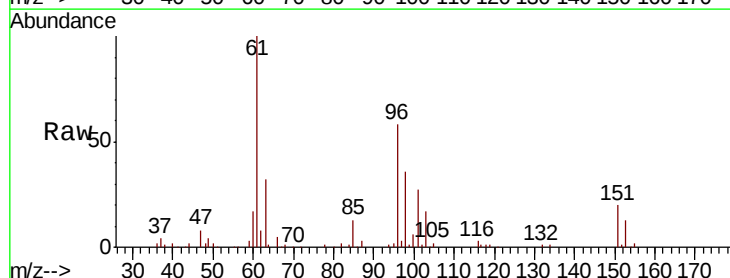
Tot Ion: 59 Resp: 33347
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

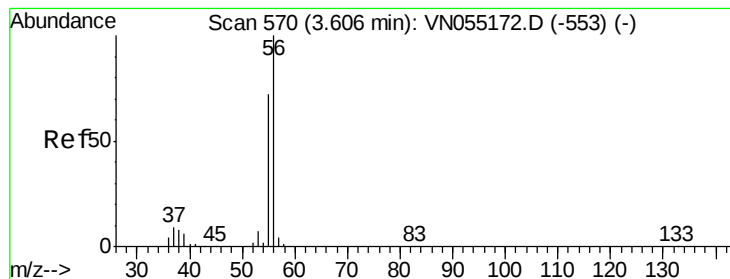


#12

1,1-Dichloroethene
 Concen: 19.936 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 96 Resp: 84011
 Ion Ratio Lower Upper
 96 100
 61 171.2 142.1 213.1
 98 61.0 51.2 76.8





#13

Acrolein

Concen: 107.332 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

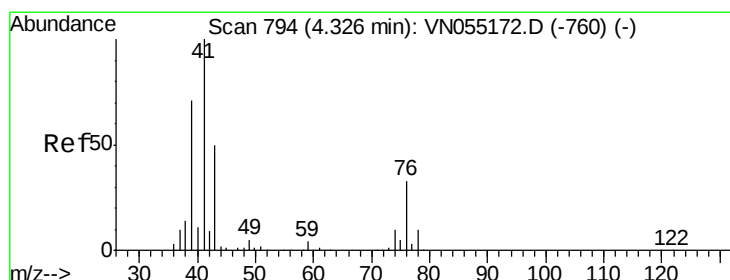
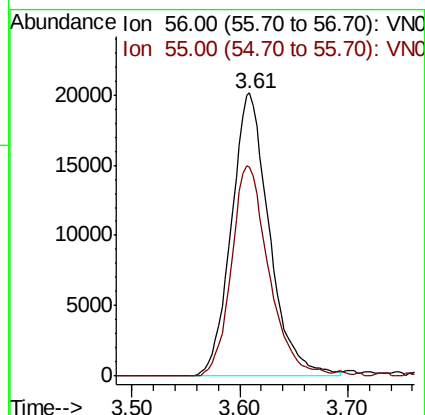
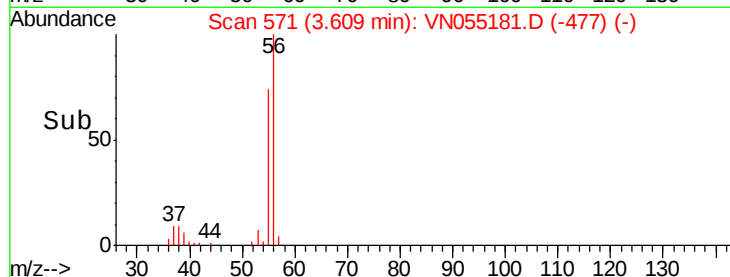
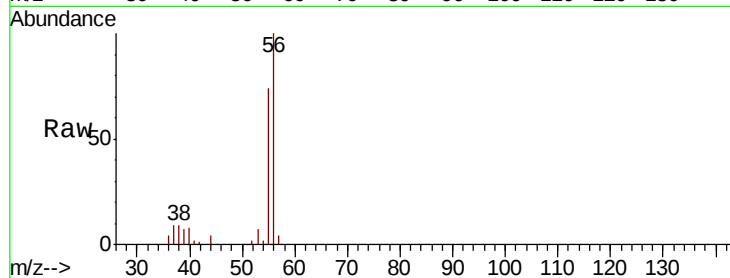
VN0422WBS01

Tot Ion: 56 Resp: 49340

Ion Ratio Lower Upper

56 100

55 73.0 57.4 86.0



#14

Allyl chloride

Concen: 20.053 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

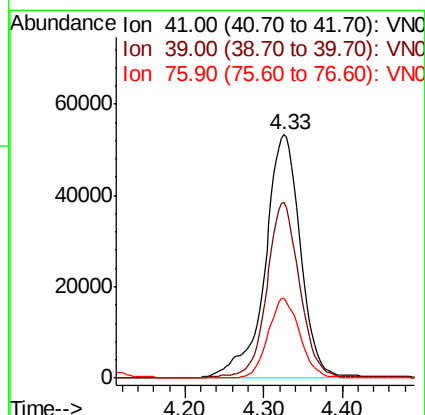
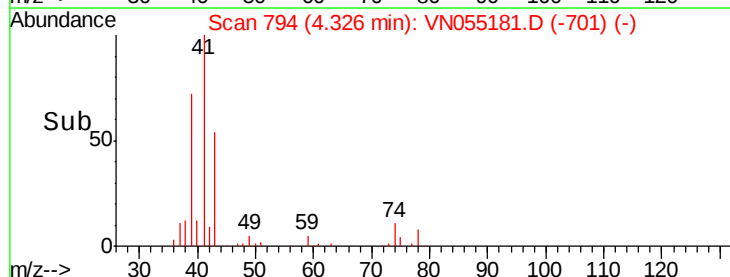
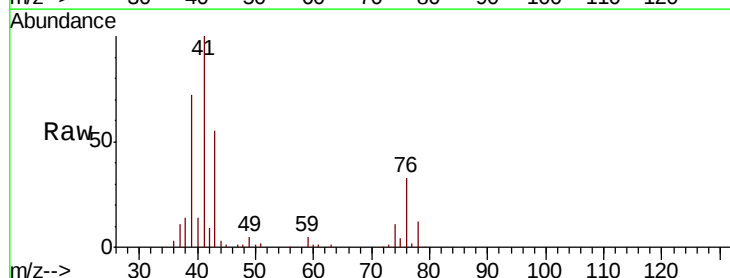
Tgt Ion: 41 Resp: 167057

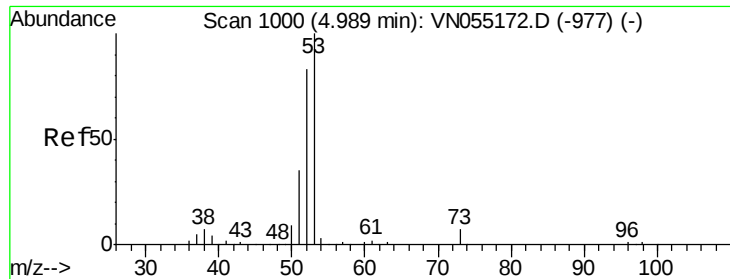
Ion Ratio Lower Upper

41 100

39 67.1 52.9 79.3

76 29.5 23.6 35.4





#15

Acrylonitrile

Concen: 103.767 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

VN0422WBS01

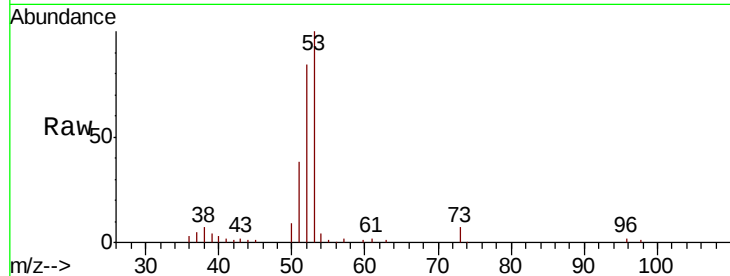
Tot Ion: 53 Resp: 184196

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.8

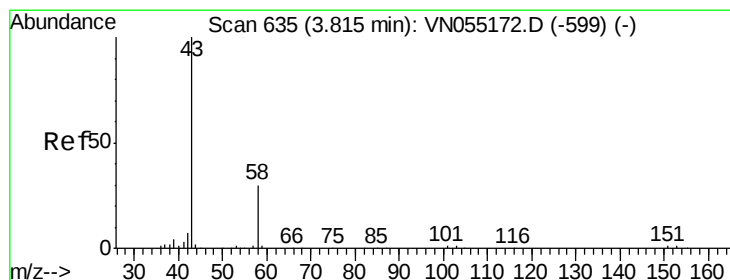
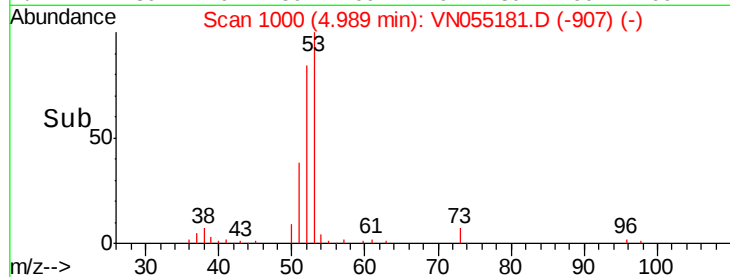
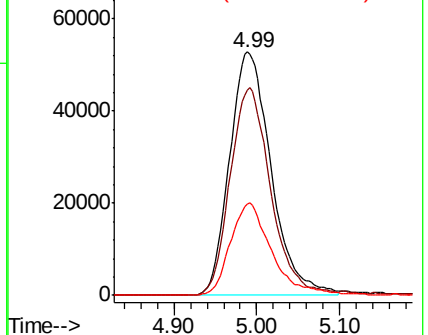
51 37.3 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.156 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055181.D

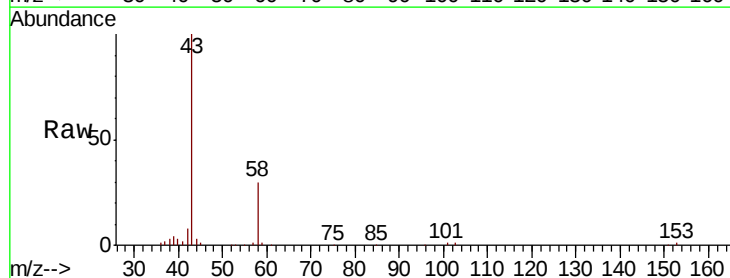
Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 168899

Ion Ratio Lower Upper

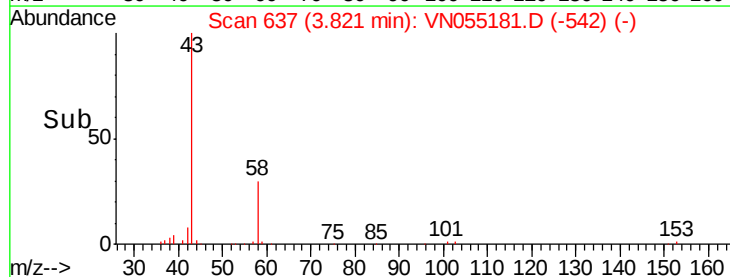
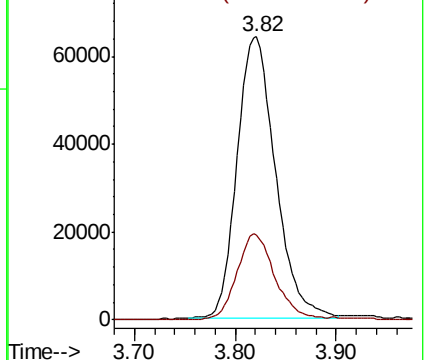
43 100

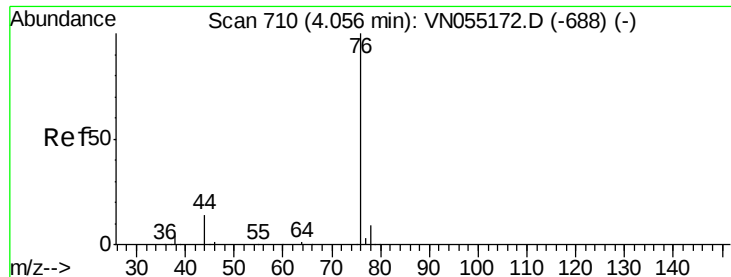
58 30.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

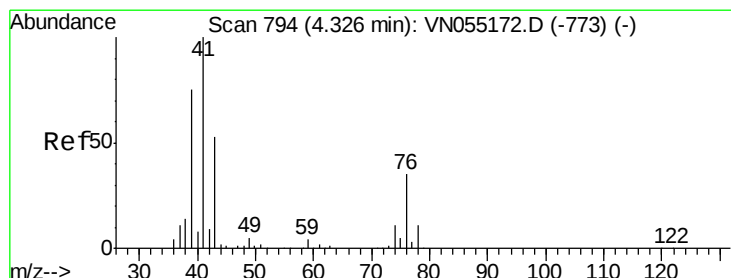
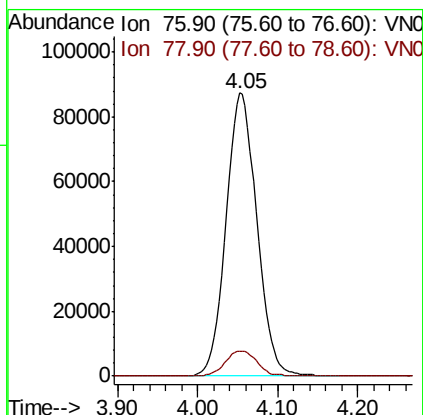
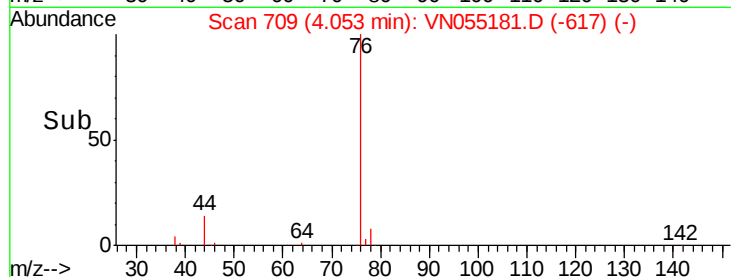
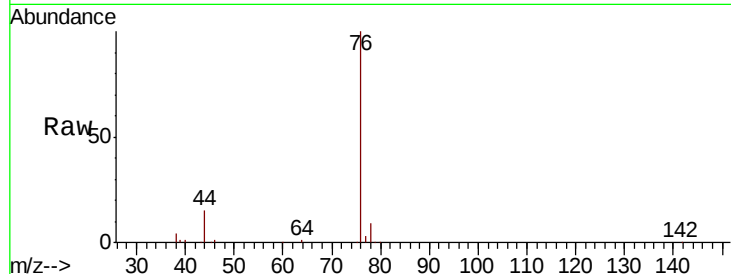




#17
Carbon Disulfide
Concen: 19.428 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

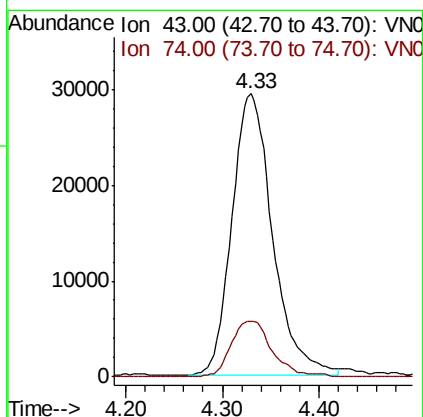
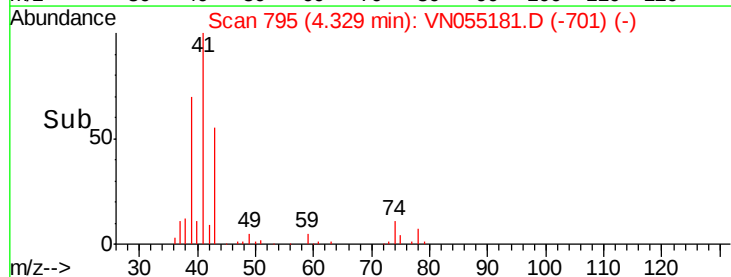
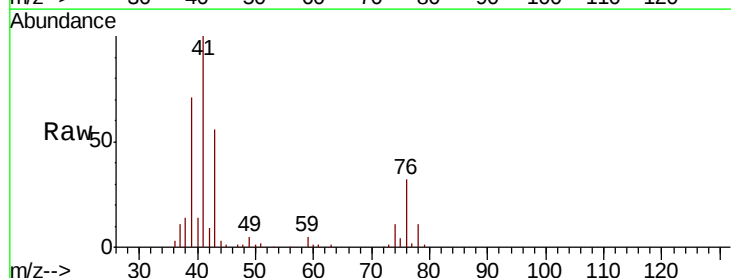
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

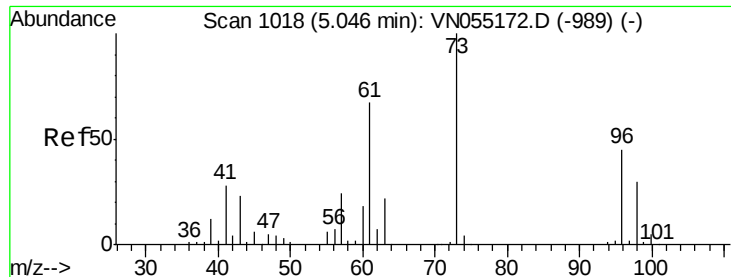
Tot Ion: 76 Resp: 228884
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 21.115 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 85721
Ion Ratio Lower Upper
43 100
74 20.1 16.7 25.1

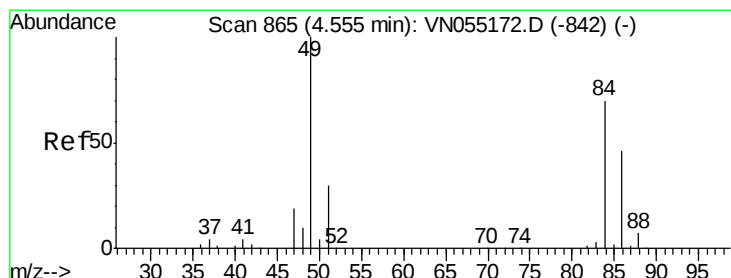
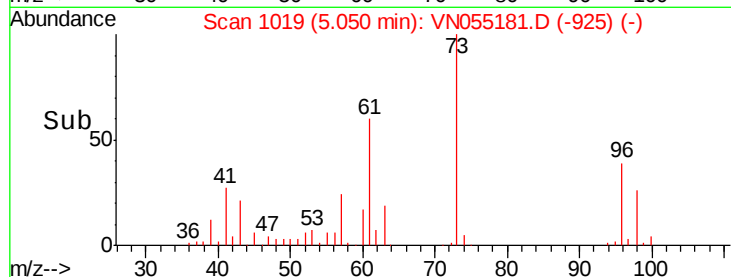
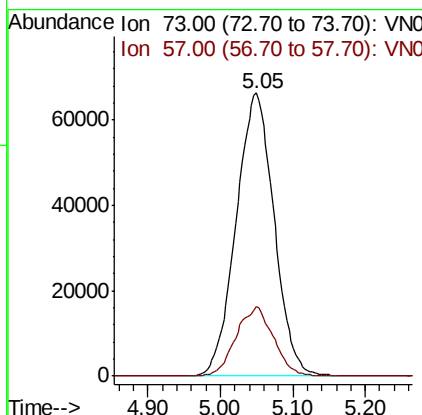
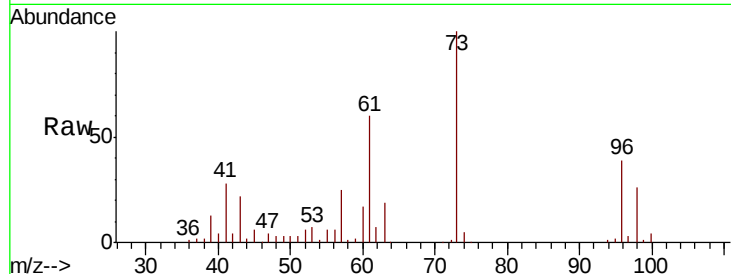




#19
Methvl tert-butvl Ether
Concen: 20.748 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

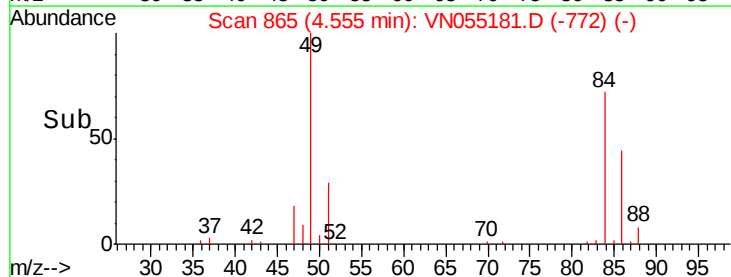
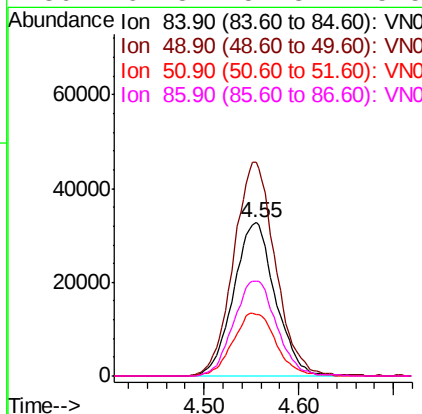
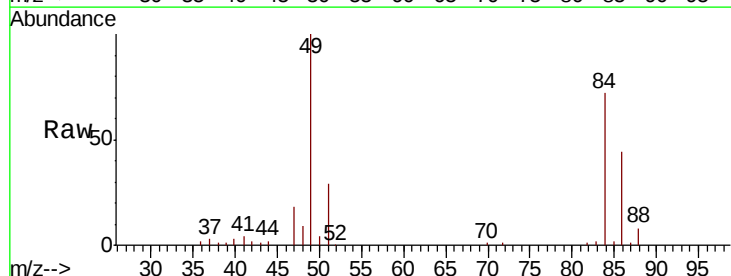
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

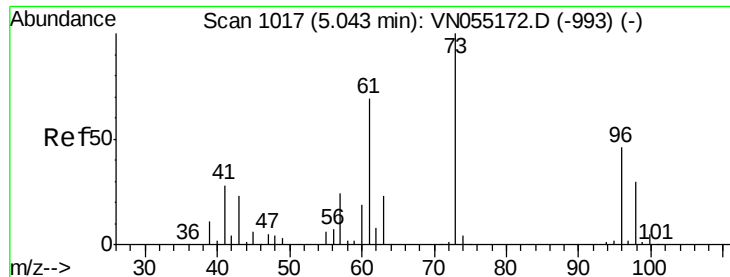
Tot Ion: 73 Resp: 241736
Ion Ratio Lower Upper
73 100
57 24.5 19.5 29.3



#20
Methylene Chloride
Concen: 18.994 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 84 Resp: 100076
Ion Ratio Lower Upper
84 100
49 139.3 113.8 170.6
51 40.4 34.0 51.0
86 61.8 52.3 78.5

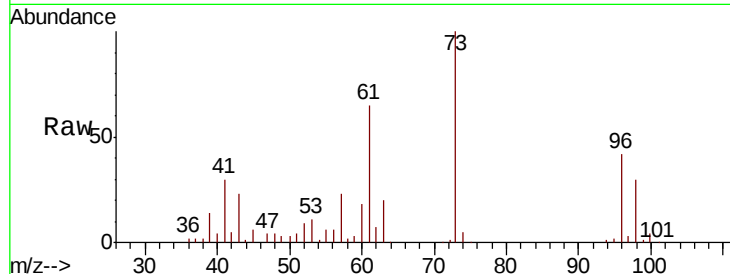




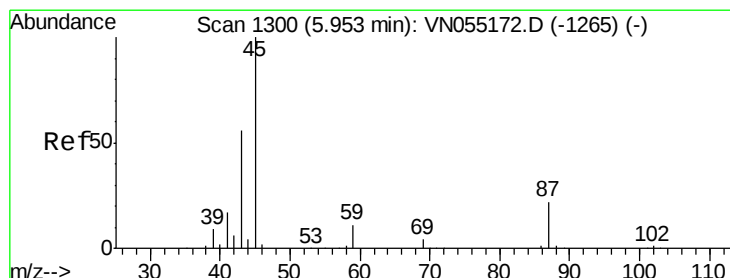
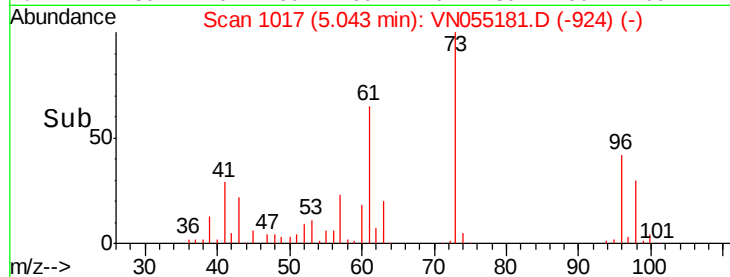
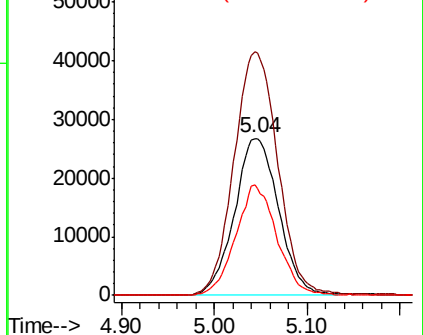
#21
trans-1,2-Dichloroethene
Concen: 19.976 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

Tot Ion: 96 Resp: 88272
Ion Ratio Lower Upper
96 100
61 155.5 119.3 178.9
98 70.7 53.0 79.4

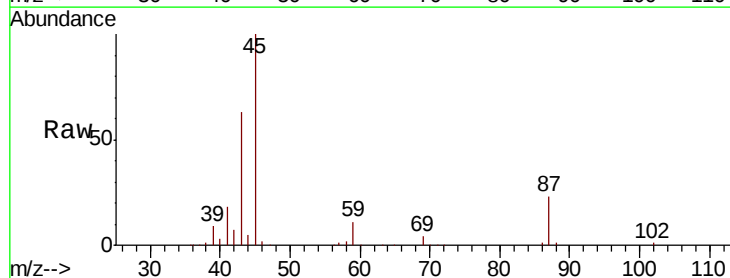


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

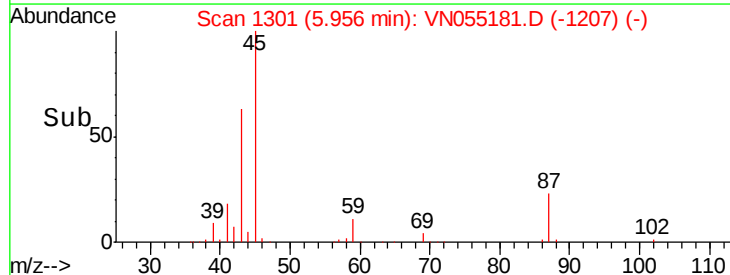
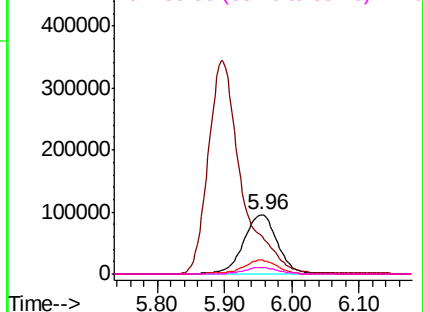


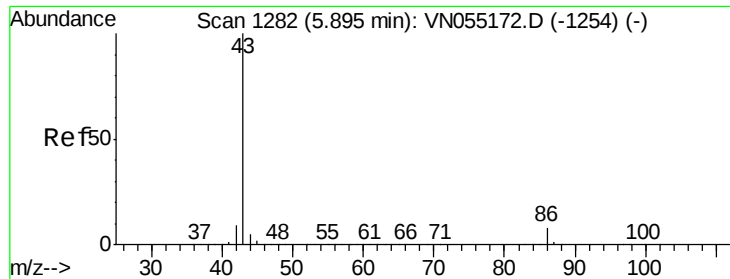
#22
Diisopropyl ether
Concen: 20.197 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 45 Resp: 335389
Ion Ratio Lower Upper
45 100
43 60.8 47.4 71.0
87 23.1 18.4 27.6
59 11.0 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 106.347 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

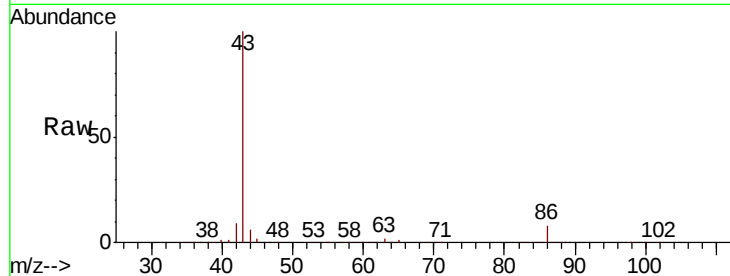
MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 1186737

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.8	10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

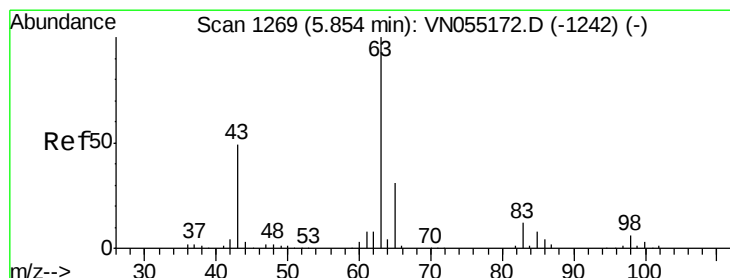
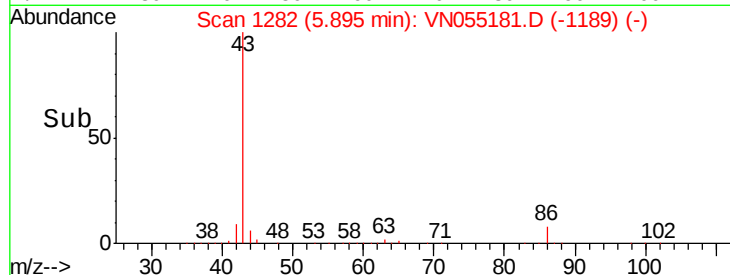
200000

100000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.256 ug/l

RT: 5.85 min Scan# 1268

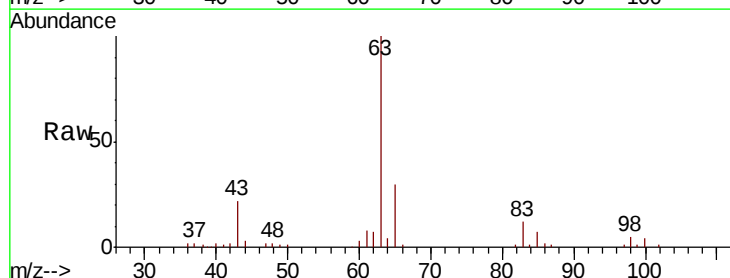
Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion: 63 Resp: 180927

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.1	9.3
100	3.9	1.8	5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

80000

60000

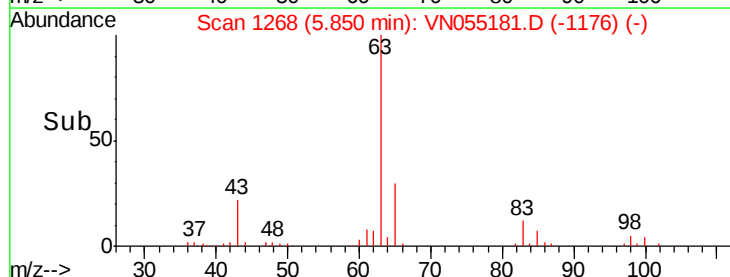
40000

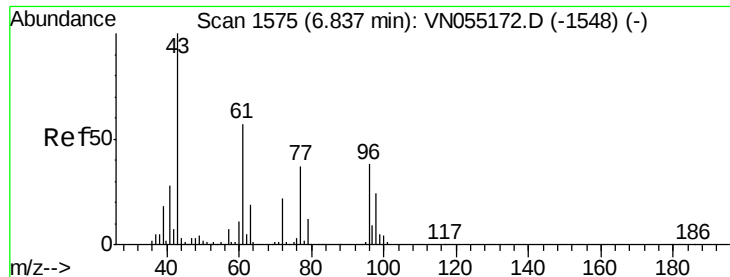
20000

0

Time-->

5.70 5.80 5.90 6.00

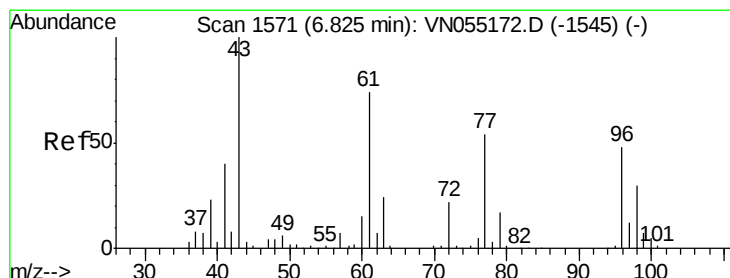
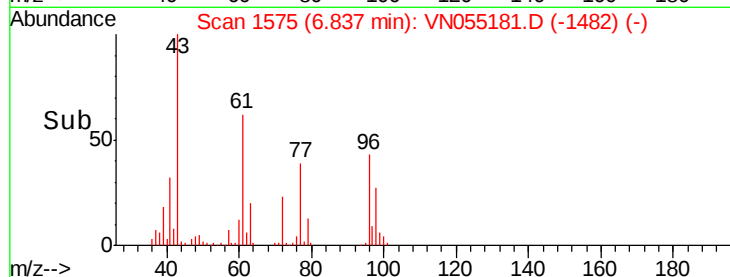
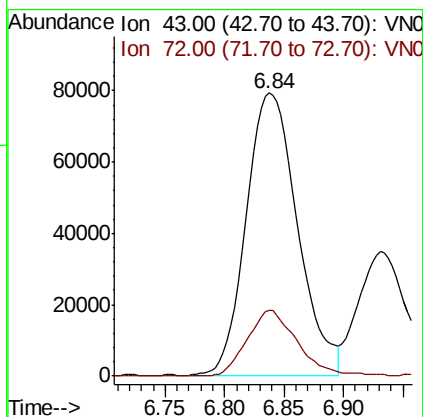
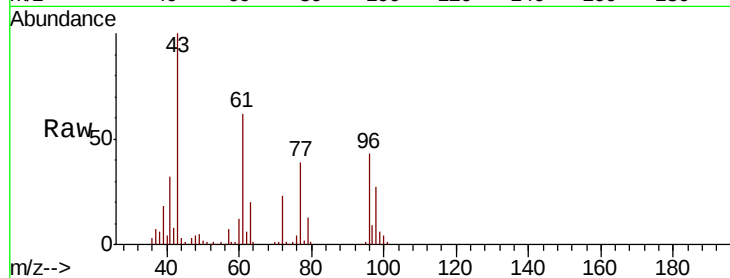




#25
2-Butanone
Concen: 99.838 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

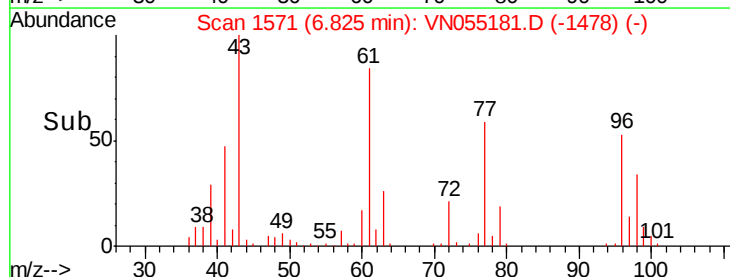
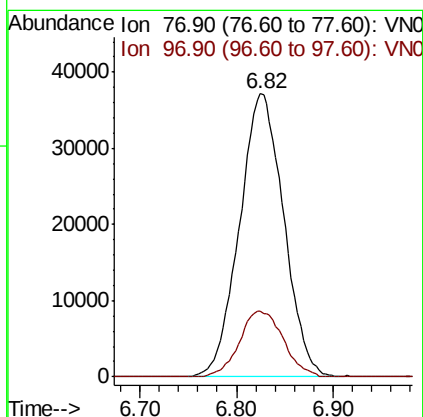
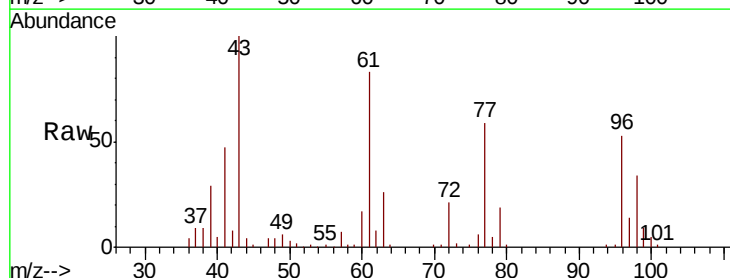
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

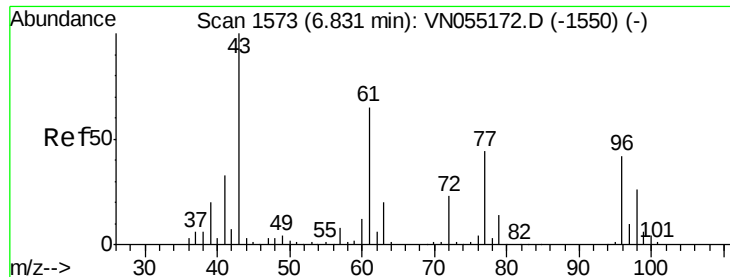
Tot Ion: 43 Resp: 236232
Ion Ratio Lower Upper
43 100
72 23.4 17.8 26.8



#26
2,2-Dichloropropane
Concen: 19.543 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 77 Resp: 118127
Ion Ratio Lower Upper
77 100
97 23.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

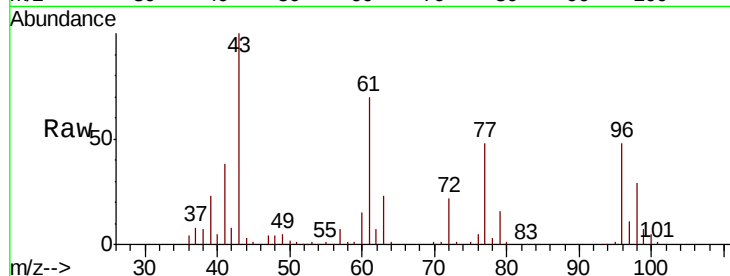
Tot Ion: 96 Resp: 102906

Ion Ratio Lower Upper

96 100

61 154.3 0.0 310.8

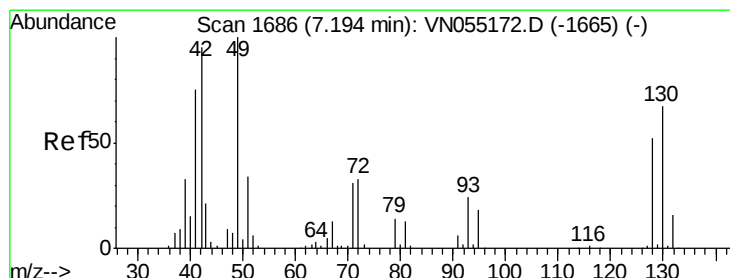
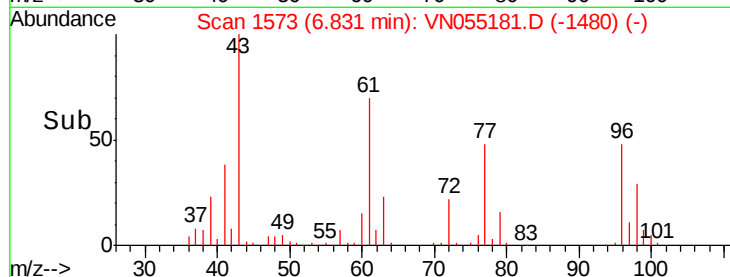
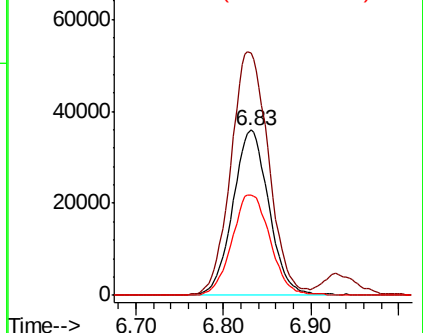
98 64.1 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.344 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

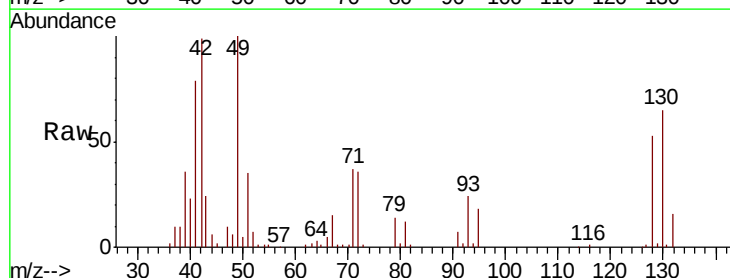
Tgt Ion: 49 Resp: 92630

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

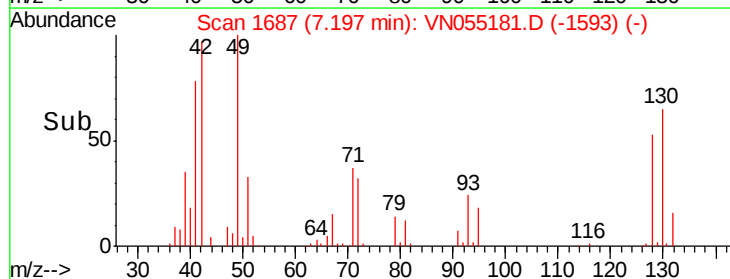
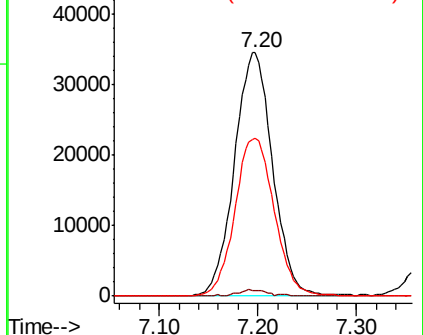
130 66.7 53.4 80.2

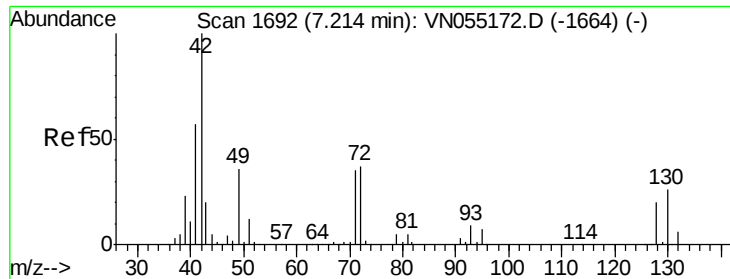


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.262 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

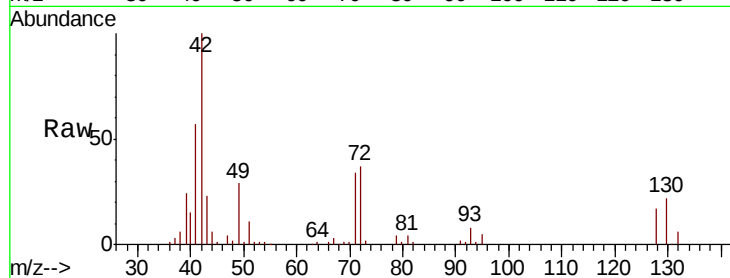
Tot Ion: 42 Resp: 156047

Ion Ratio Lower Upper

42 100

72 36.2 29.4 44.2

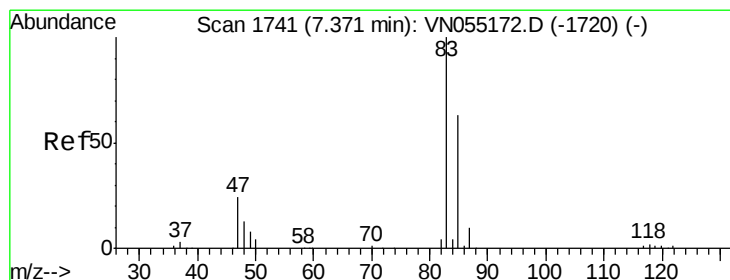
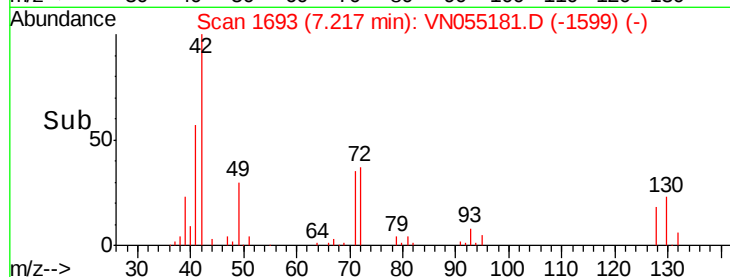
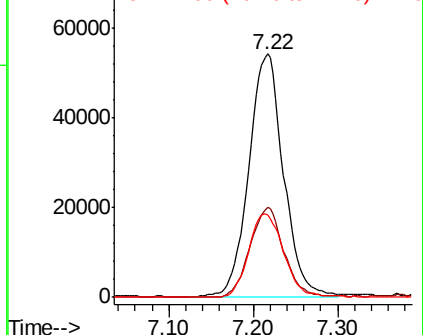
71 34.7 27.8 41.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.659 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055181.D

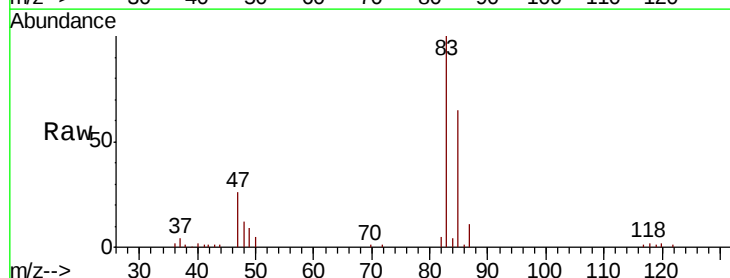
Acq: 22 Apr 2019 15:11

Tgt Ion: 83 Resp: 167026

Ion Ratio Lower Upper

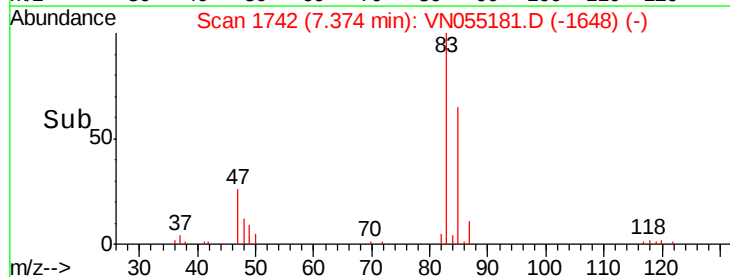
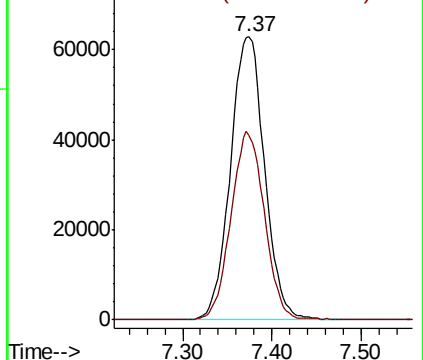
83 100

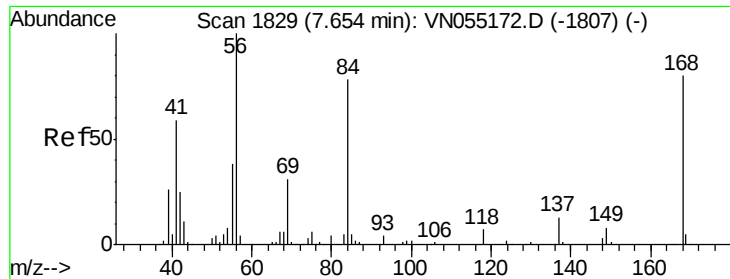
85 65.2 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

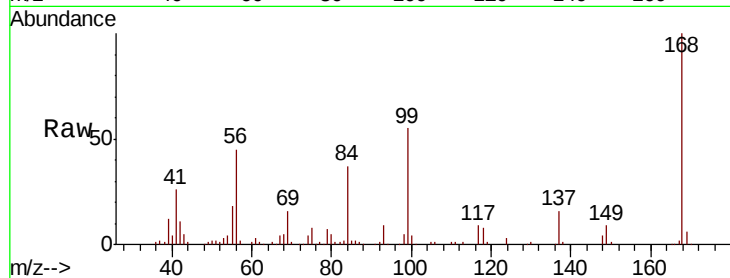




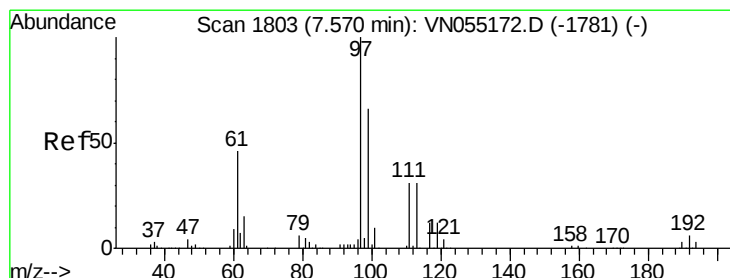
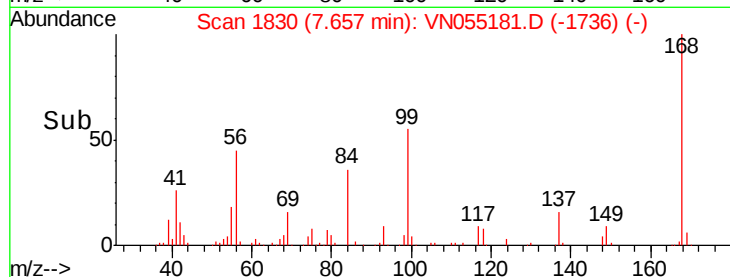
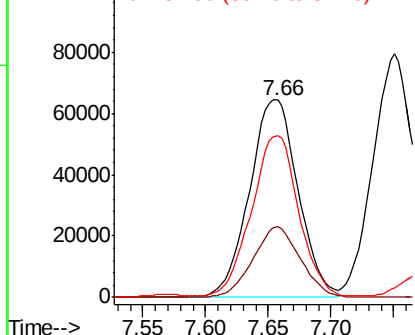
#31
Cyclohexane
Concen: 20.043 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 56 Resp: 174123
Ion Ratio Lower Upper
56 100
69 36.0 24.6 37.0
84 81.4 61.4 92.2

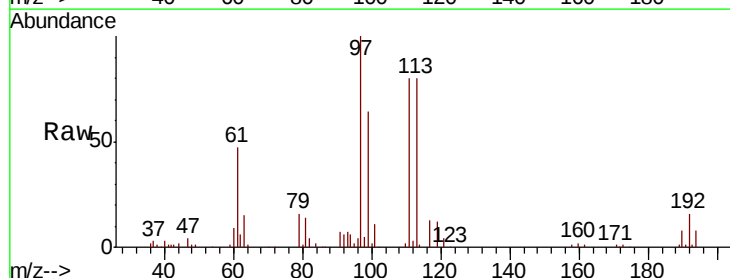


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

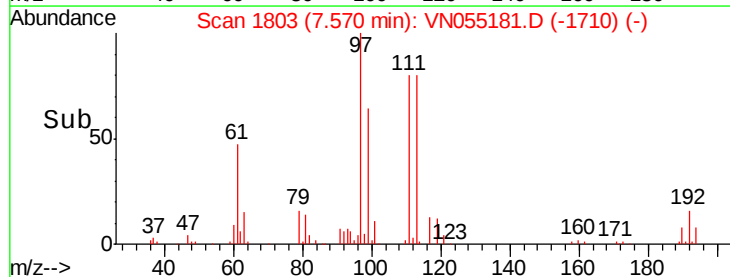
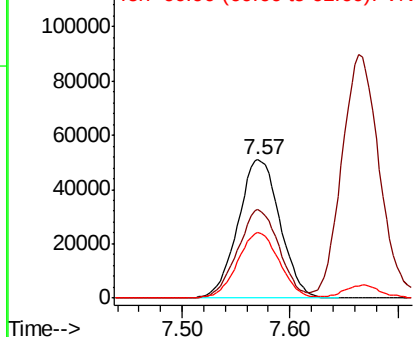


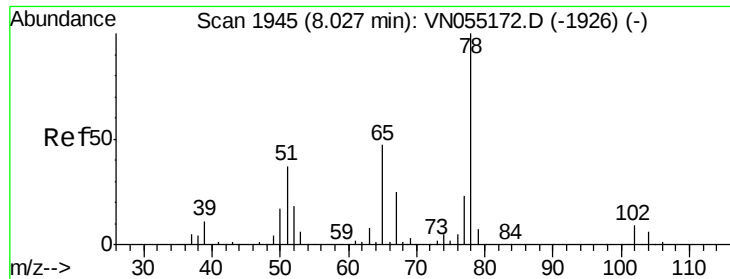
#32
1,1,1-Trichloroethane
Concen: 20.239 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 97 Resp: 138148
Ion Ratio Lower Upper
97 100
99 63.3 51.1 76.7
61 46.8 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

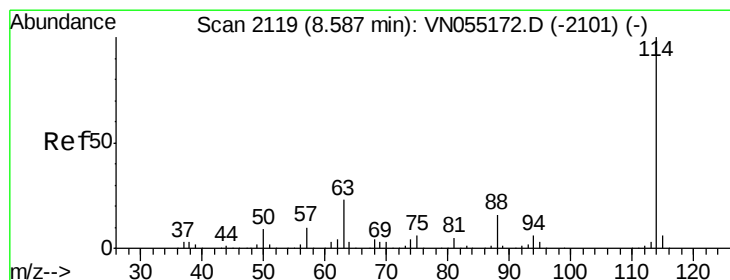
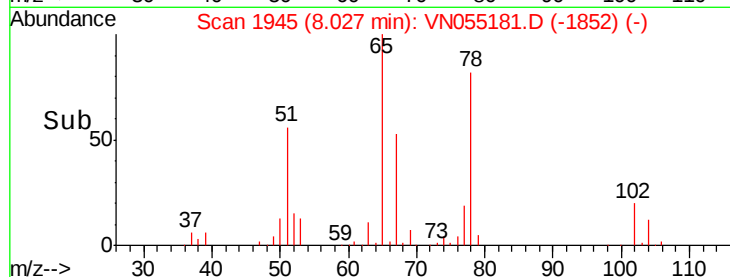
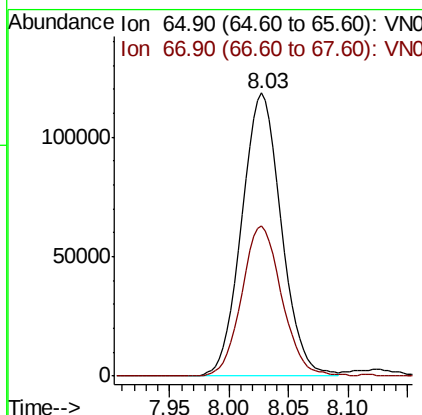
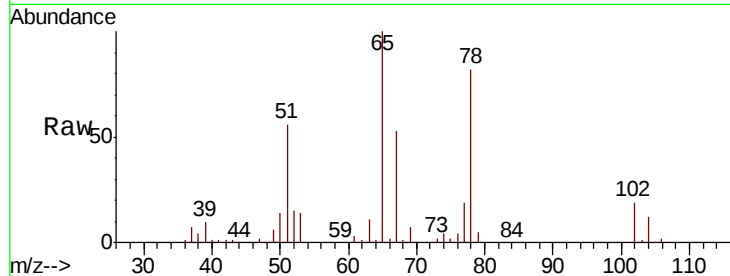




#33
 1,2-Dichloroethane-d4
 Concen: 49.372 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

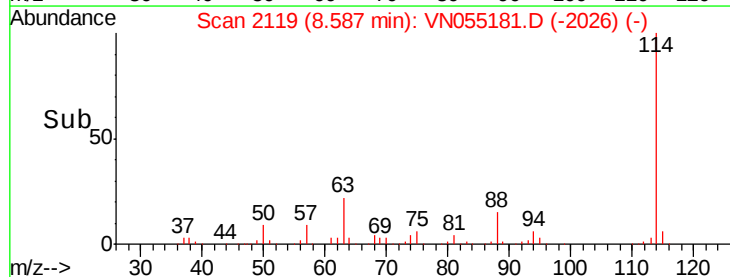
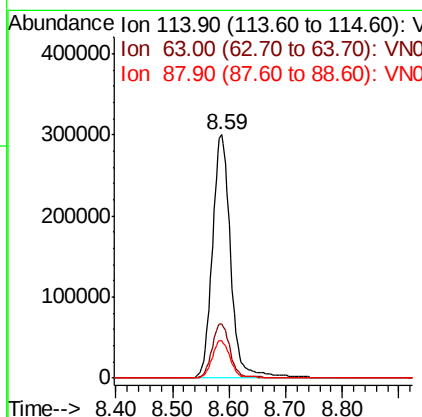
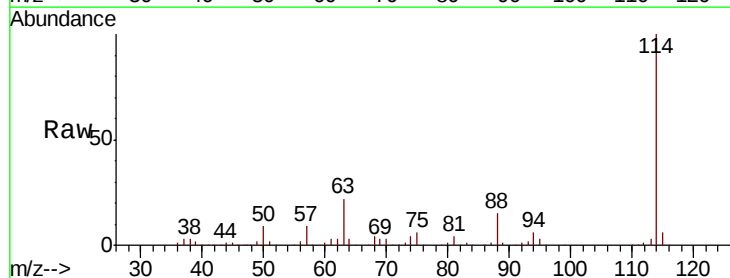
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

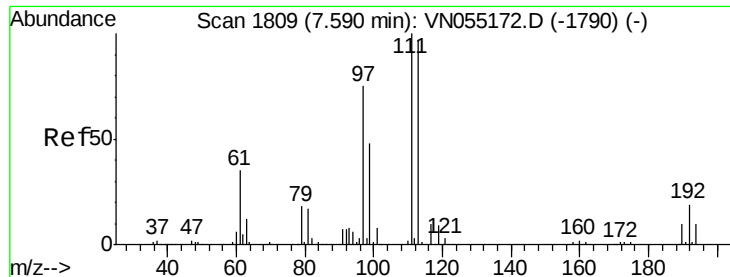
Tot Ion: 65 Resp: 273722
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 114 Resp: 671197
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.658 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

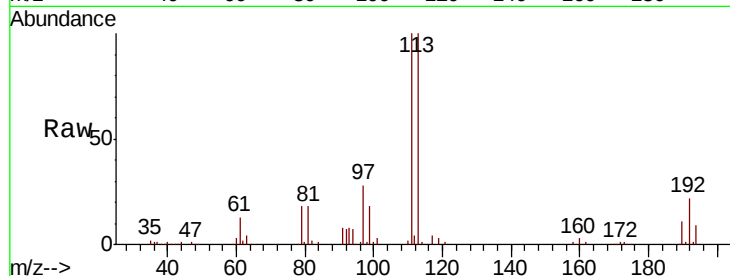
Tot Ion:113 Resp: 221867

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

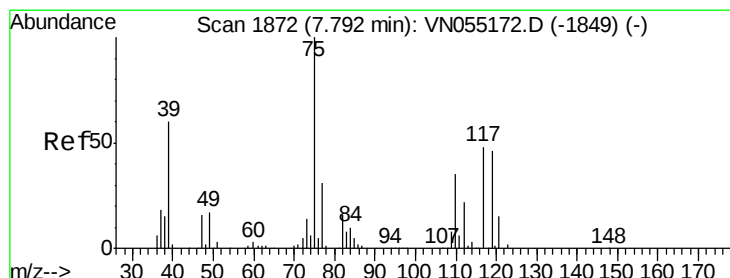
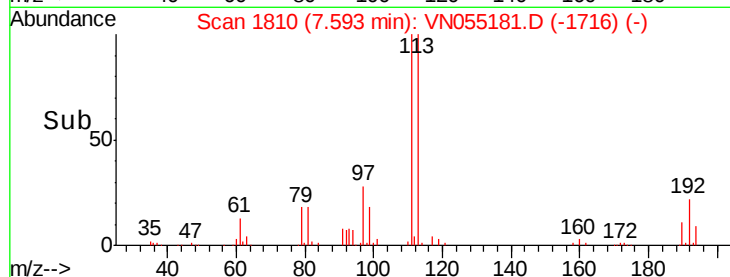
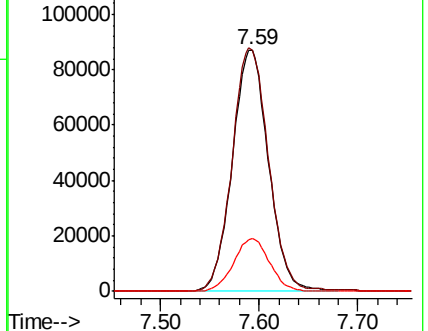
192 21.6 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.211 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

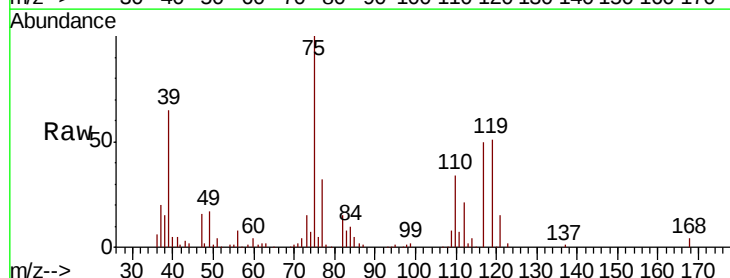
Tgt Ion: 75 Resp: 125911

Ion Ratio Lower Upper

75 100

110 34.3 17.1 51.2

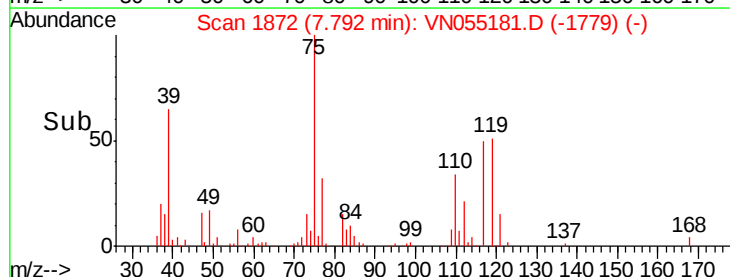
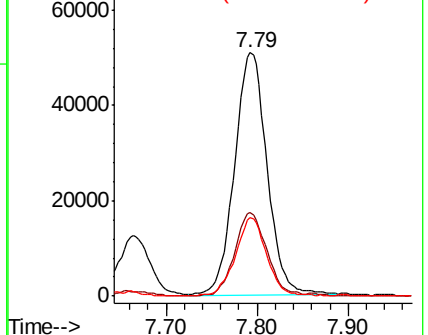
77 31.4 24.6 36.8

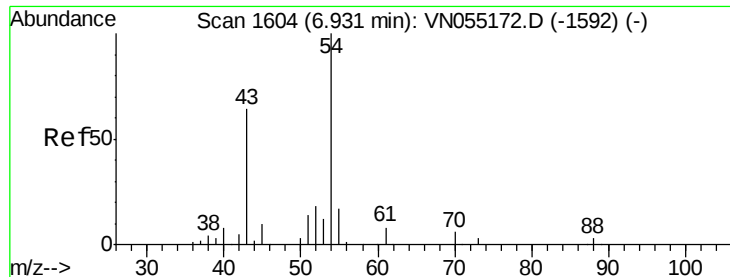


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

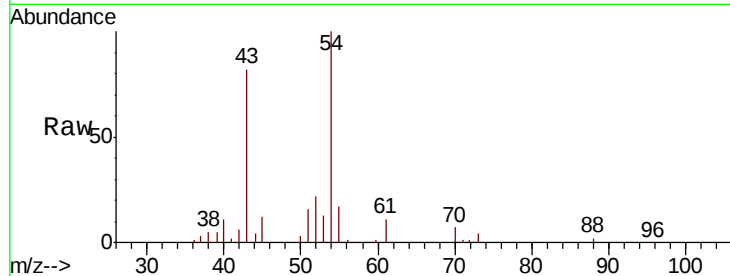




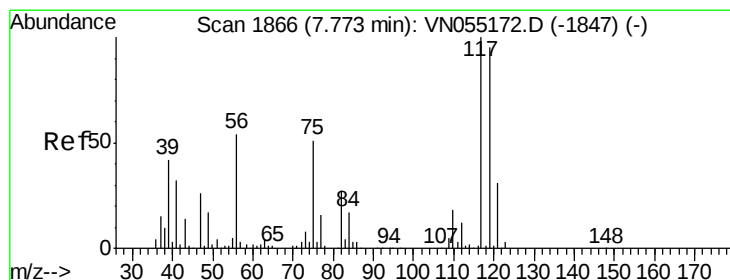
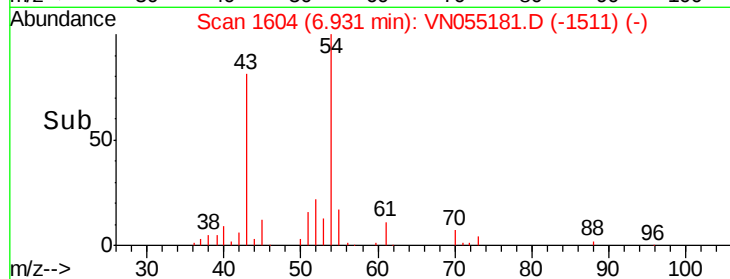
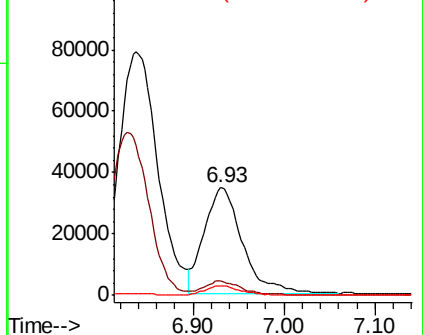
#37
Ethyl Acetate
Concen: 20.068 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 43 Resp: 100895
Ion Ratio Lower Upper
43 100
61 11.0 9.7 14.5
70 8.6 6.9 10.3

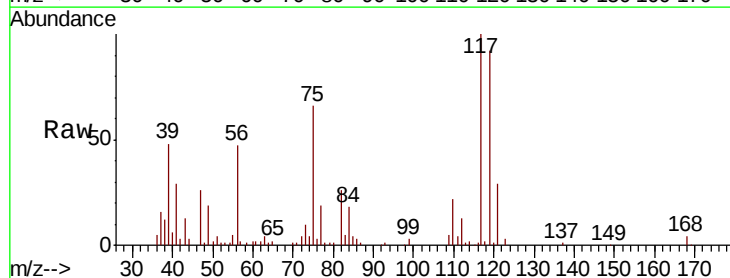


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

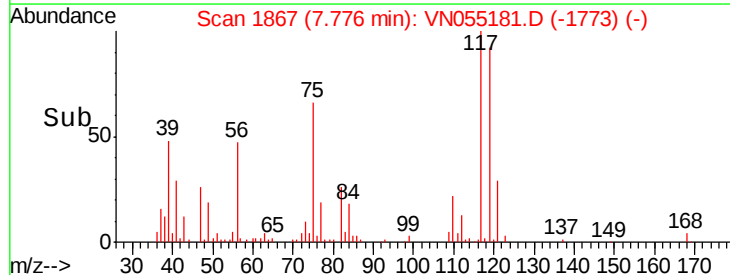
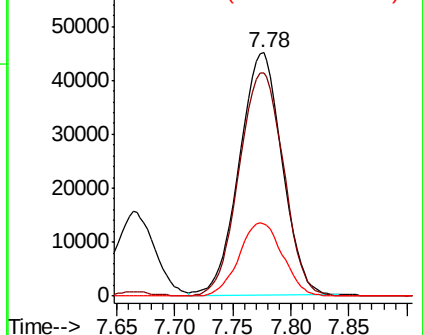


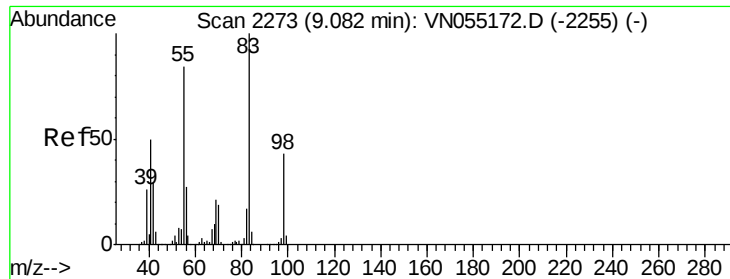
#38
Carbon Tetrachloride
Concen: 19.837 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 117 Resp: 115725
Ion Ratio Lower Upper
117 100
119 92.1 76.0 114.0
121 29.7 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

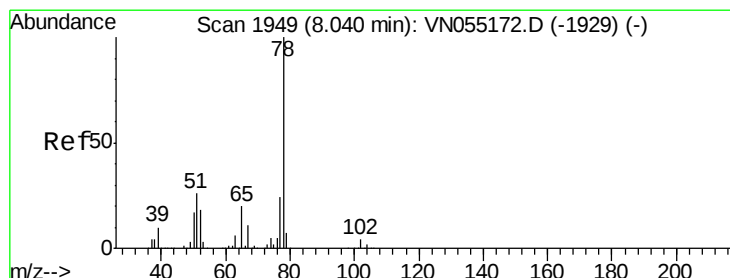
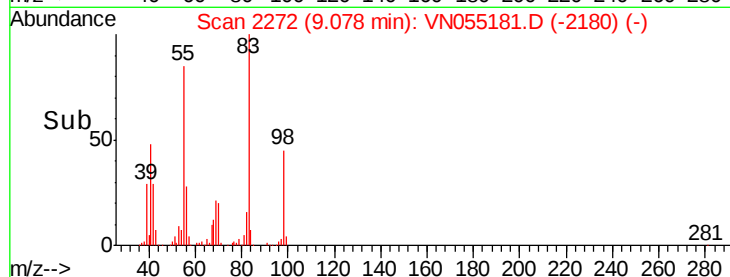
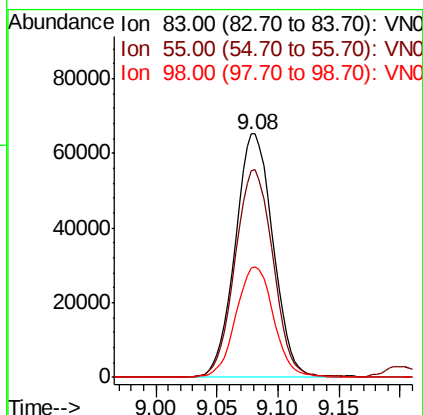
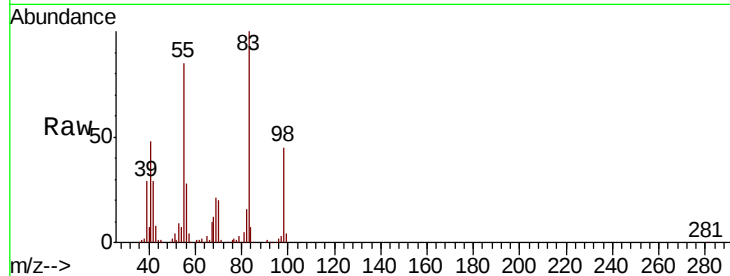




#39
Methvlcvclohexane
Concen: 18.837 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

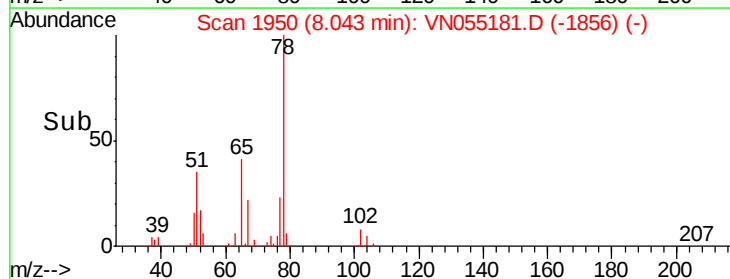
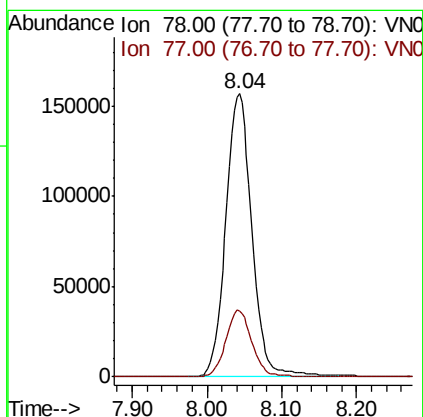
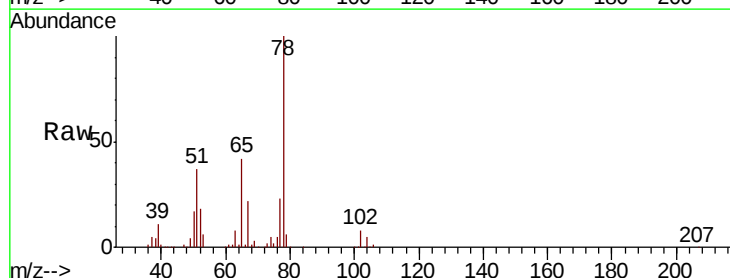
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

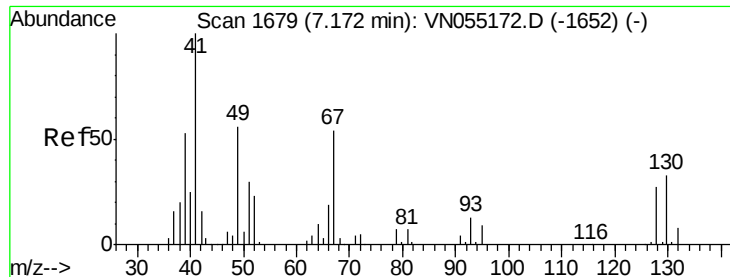
Tot Ion: 83 Resp: 139999
Ion Ratio Lower Upper
83 100
55 84.7 67.4 101.0
98 45.0 34.7 52.1



#40
Benzene
Concen: 19.769 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 78 Resp: 380171
Ion Ratio Lower Upper
78 100
77 23.3 19.5 29.3

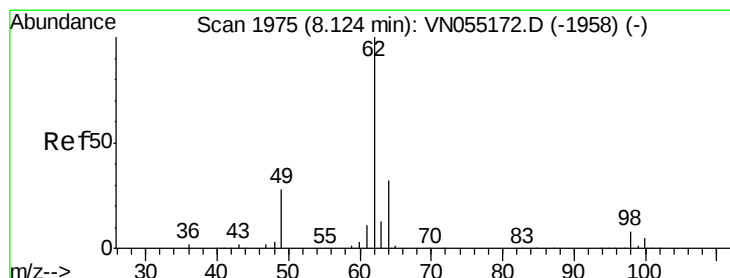
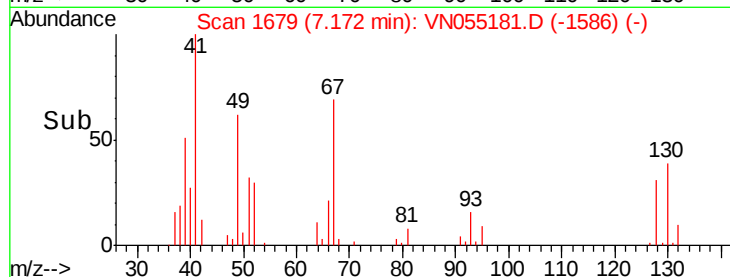
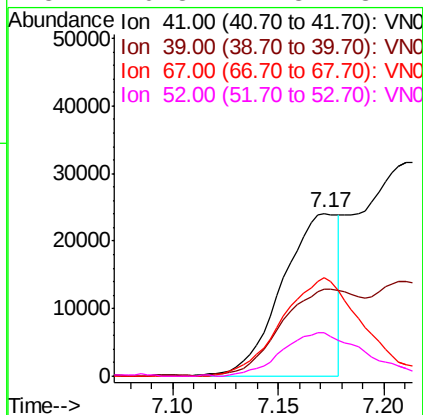
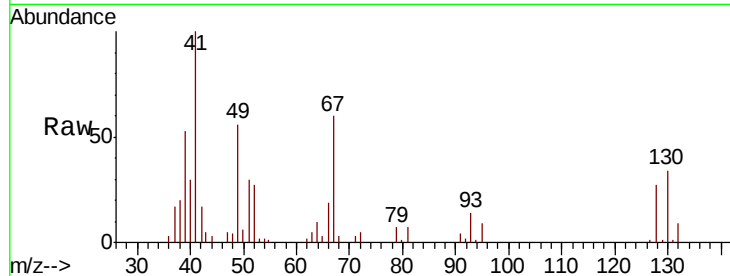




#41
Methacrylonitrile
Concen: 16.874 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

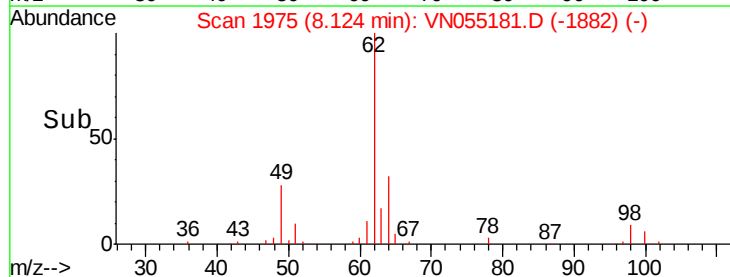
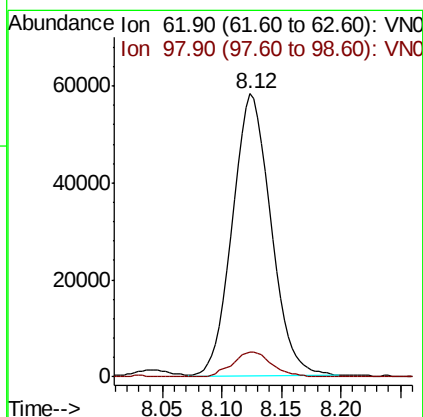
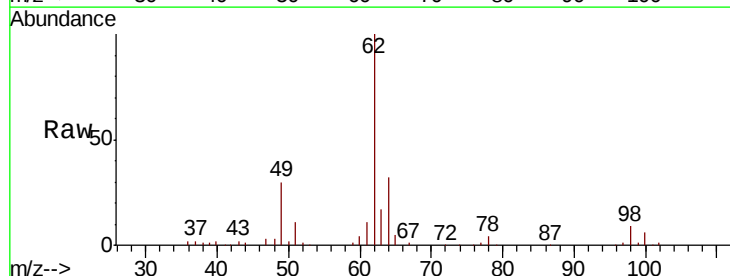
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

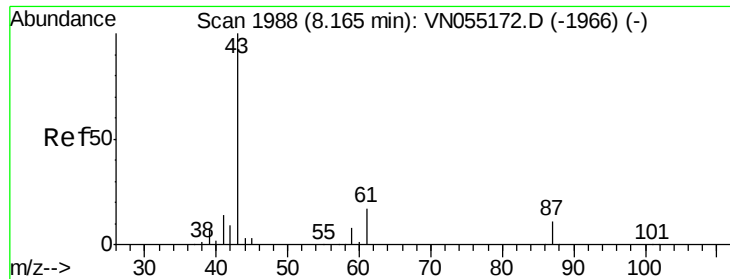
Tot Ion: 41 Resp: 44477
Ion Ratio Lower Upper
41 100
39 75.9 45.4 68.0#
67 88.8 54.6 81.8#
52 40.8 22.8 34.2#



#42
1,2-Dichloroethane
Concen: 19.463 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 62 Resp: 130580
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.940 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

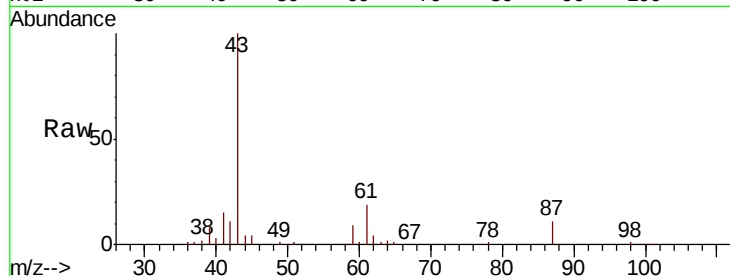
MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 170483

Ion	Ratio	Lower	Upper
43	100		
61	18.2	20.6	30.8#
87	10.7	8.8	13.2

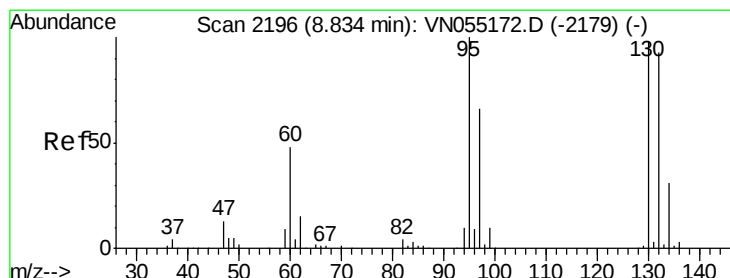
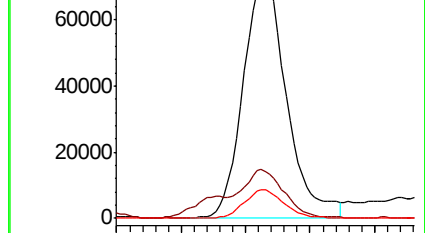
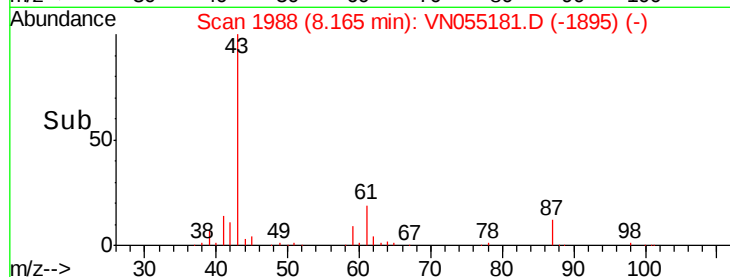


Abundance Ion 43.00 (42.70 to 43.70): VN055181.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055181.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055181.D (-1966) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 19.430 ug/l

RT: 8.84 min Scan# 2197

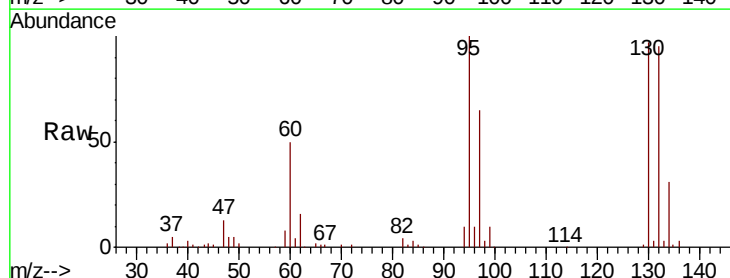
Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:130 Resp: 94442

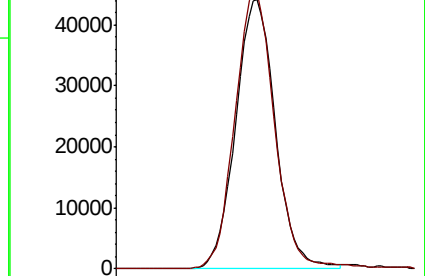
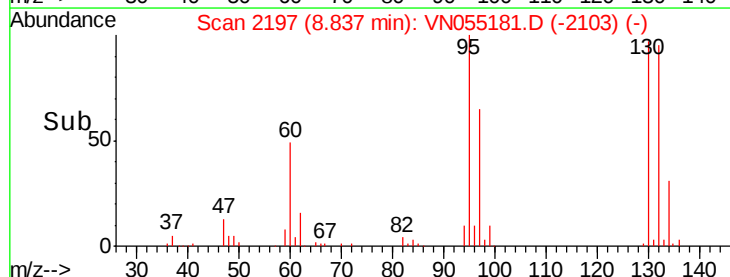
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.6

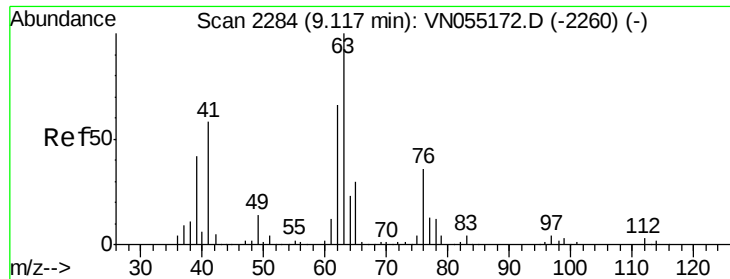


Abundance Ion 129.80 (129.50 to 130.50): VN055181.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055181.D (-2179) (-)

Time--> 8.75 8.80 8.85 8.90

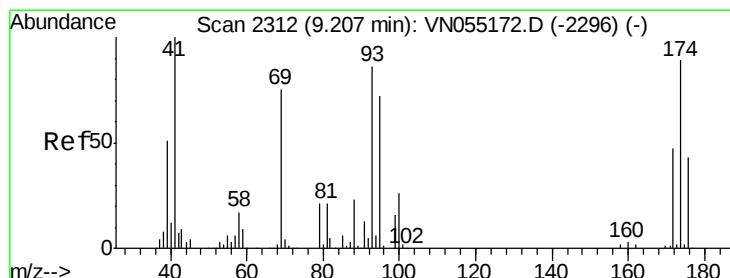
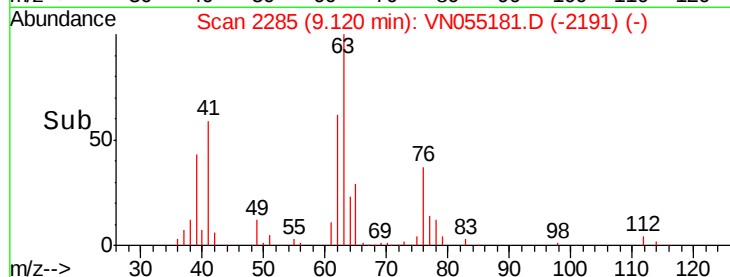
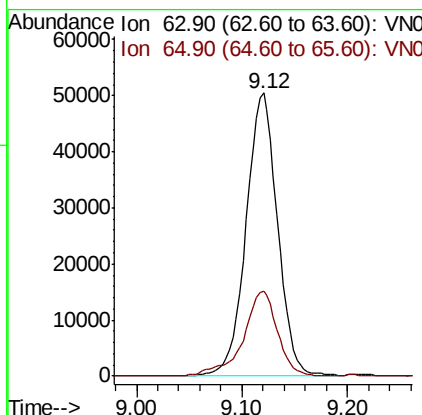
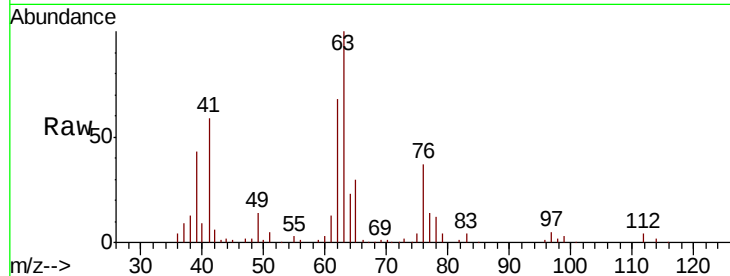




#45
 1,2-Dichloropropane
 Concen: 19.318 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

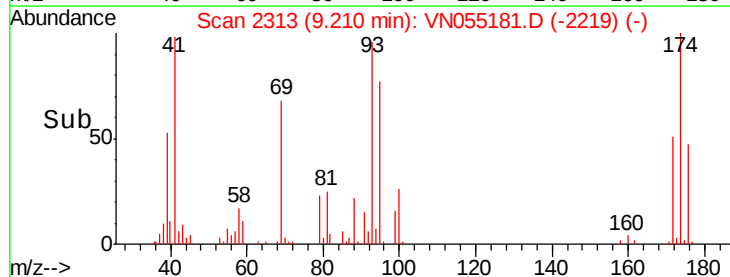
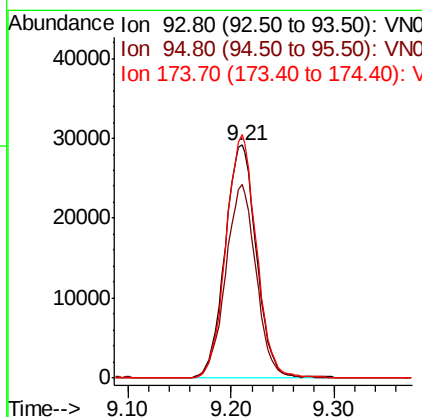
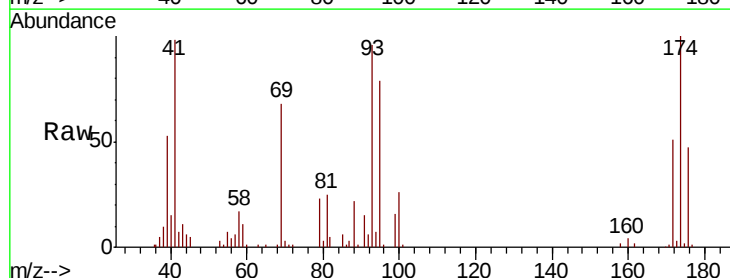
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

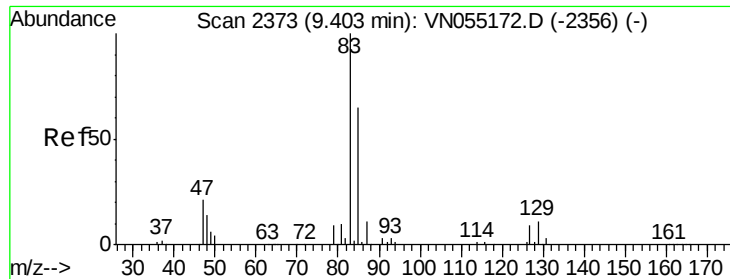
Tot Ion: 63 Resp: 104867
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.8 35.6



#46
 Dibromomethane
 Concen: 19.943 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 93 Resp: 61973
 Ion Ratio Lower Upper
 93 100
 95 80.2 67.6 101.4
 174 100.7 83.4 125.2





#47

Bromodichloromethane

Concen: 19.797 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

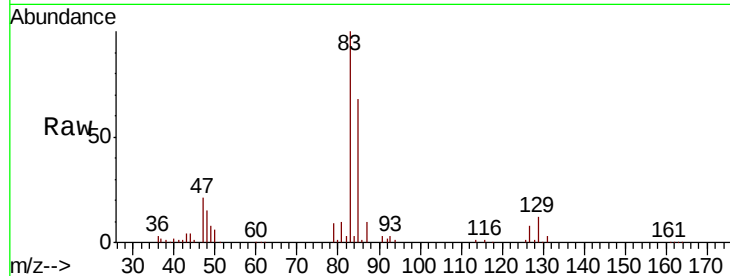
Tot Ion: 83 Resp: 123153

Ion Ratio Lower Upper

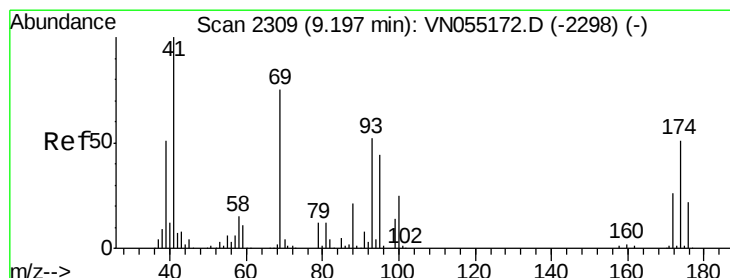
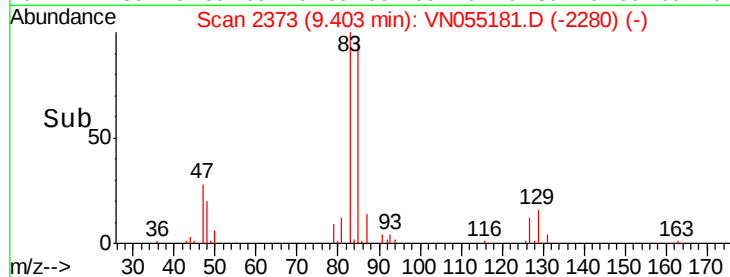
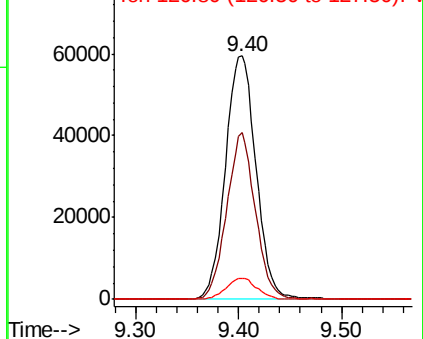
83 100

85 68.5 52.1 78.1

127 8.5 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.524 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

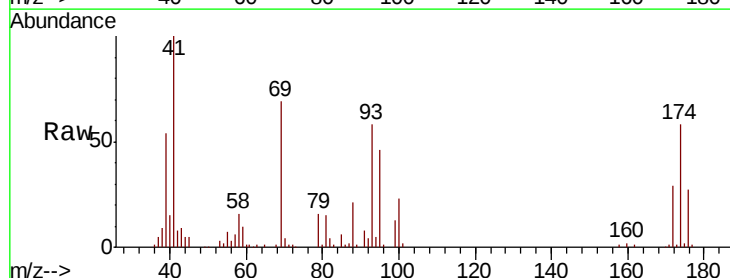
Tgt Ion: 41 Resp: 77102

Ion Ratio Lower Upper

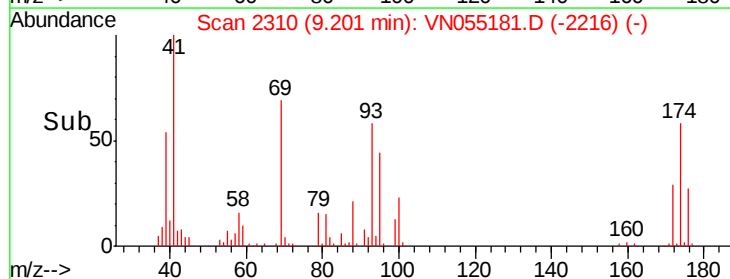
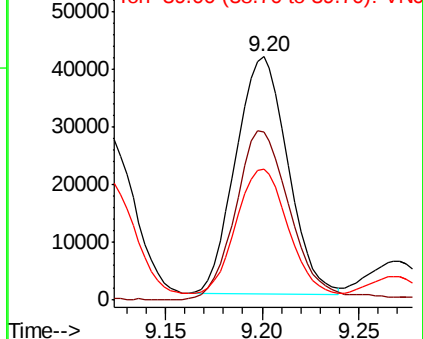
41 100

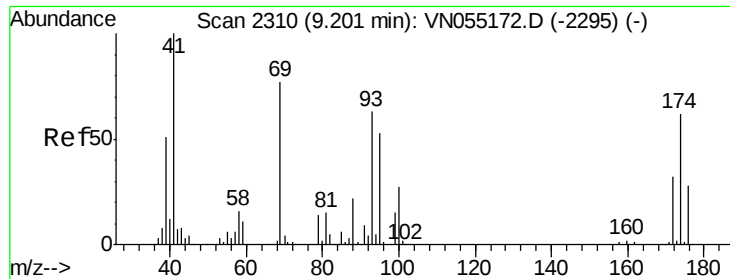
69 75.8 63.6 95.4

39 56.7 43.8 65.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 396.700 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

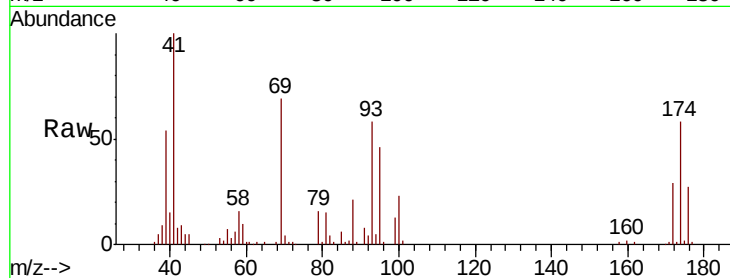
Tot Ion: 88 Resp: 18092

Ion Ratio Lower Upper

88 100

43 44.3 32.0 48.0

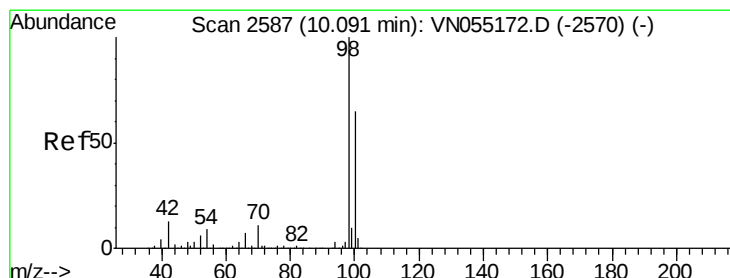
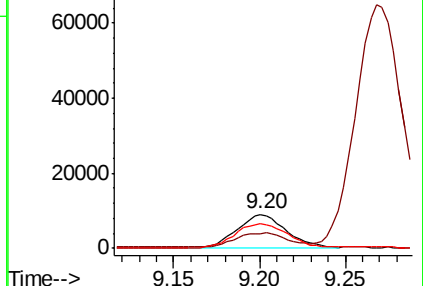
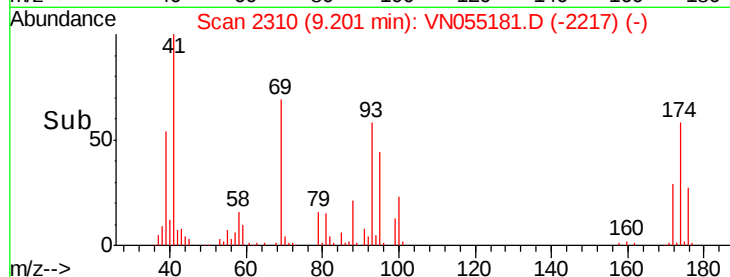
58 79.5 60.4 90.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.180 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055181.D

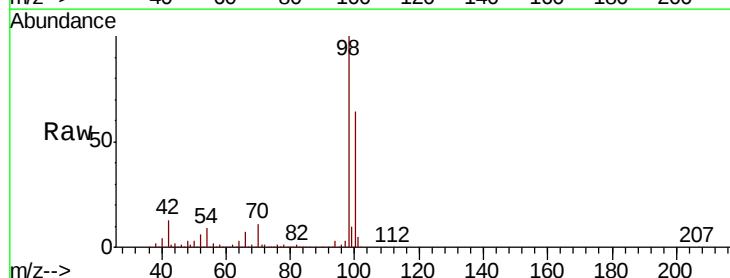
Acq: 22 Apr 2019 15:11

Tgt Ion: 98 Resp: 813978

Ion Ratio Lower Upper

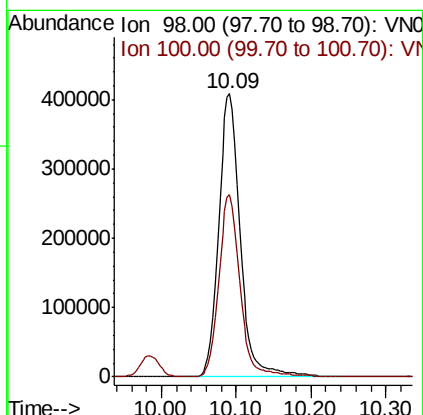
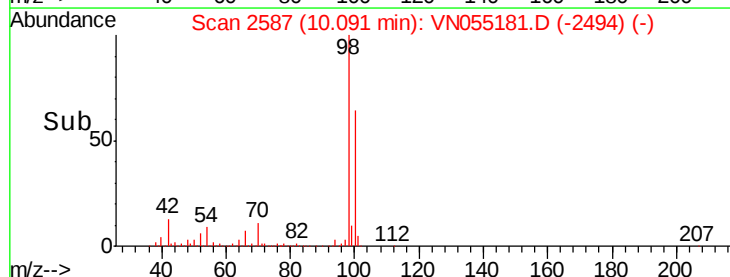
98 100

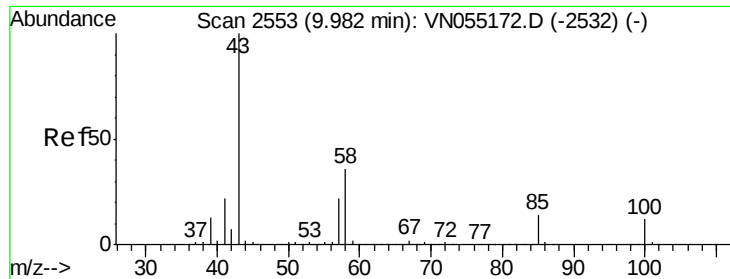
100 63.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.577 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

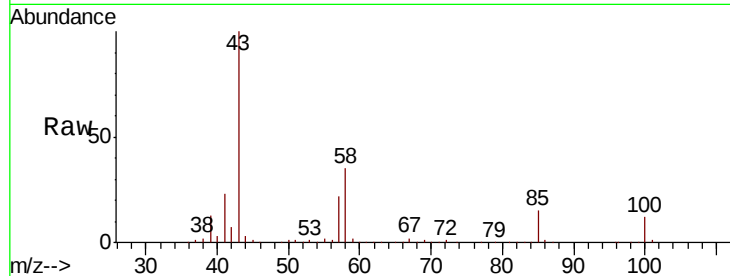
VN0422WBS01

Tot Ion: 43 Resp: 466499

Ion Ratio Lower Upper

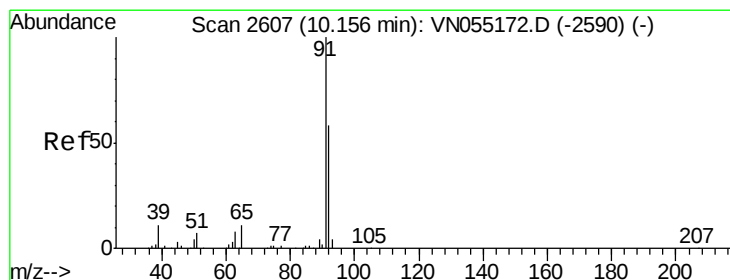
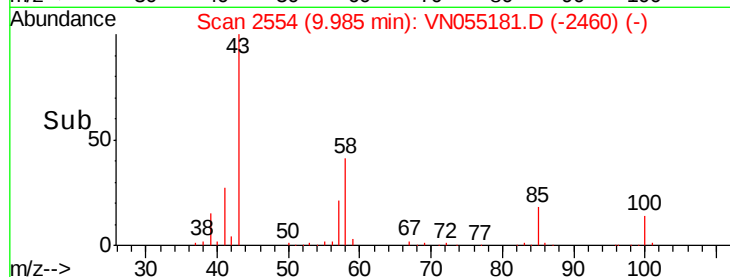
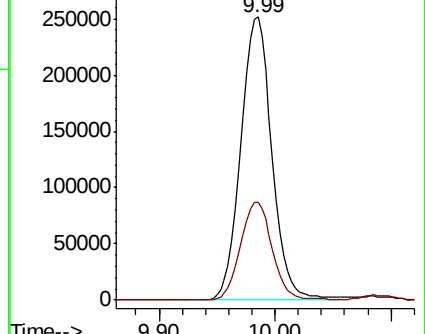
43 100

58 35.5 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.715 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055181.D

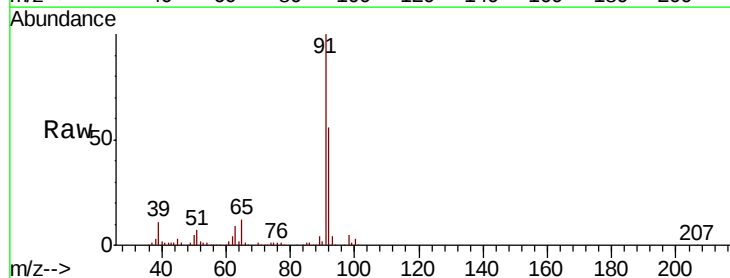
Acq: 22 Apr 2019 15:11

Tgt Ion: 92 Resp: 222262

Ion Ratio Lower Upper

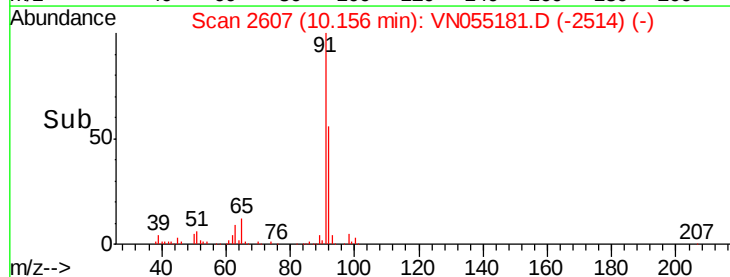
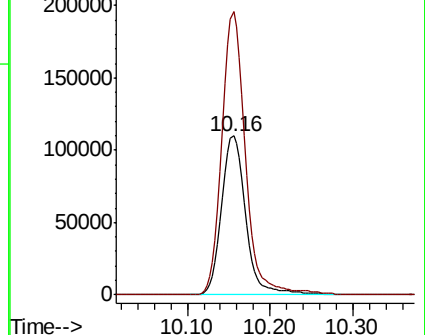
92 100

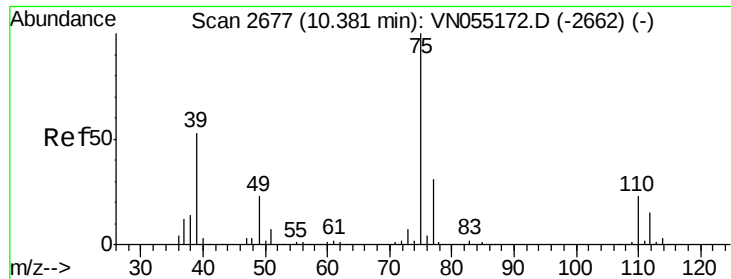
91 173.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.699 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

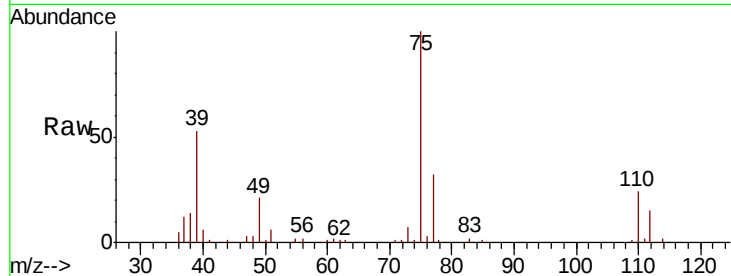
VN0422WBS01

Tot Ion: 75 Resp: 112462

Ion Ratio Lower Upper

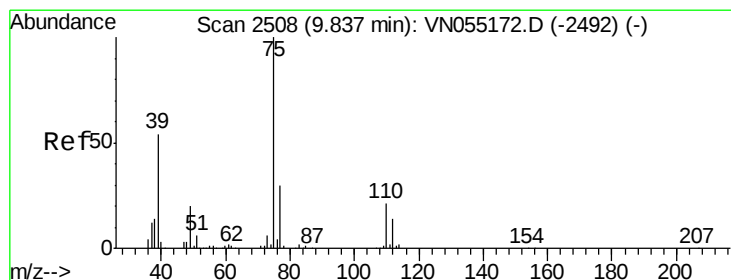
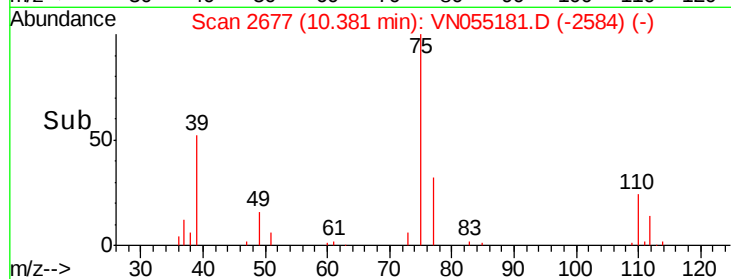
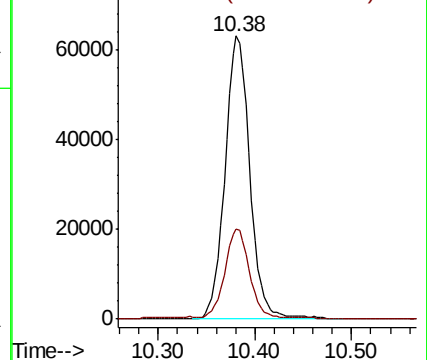
75 100

77 32.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.656 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

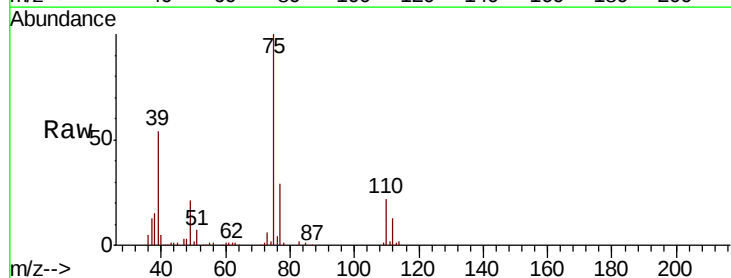
Tgt Ion: 75 Resp: 139257

Ion Ratio Lower Upper

75 100

77 29.5 24.3 36.5

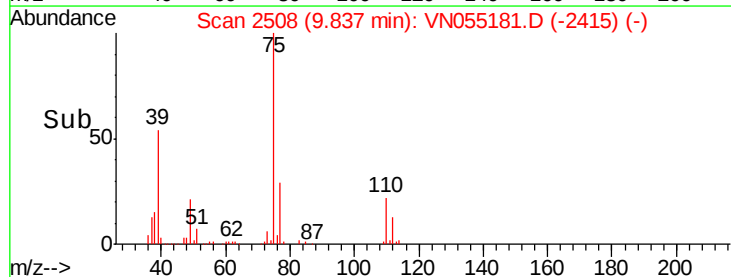
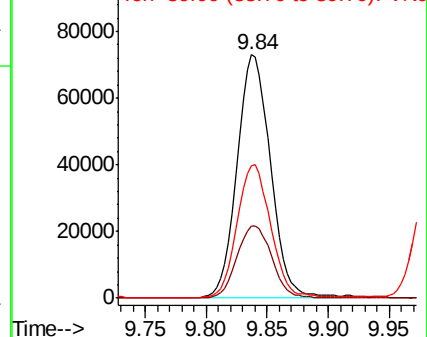
39 54.1 43.0 64.4

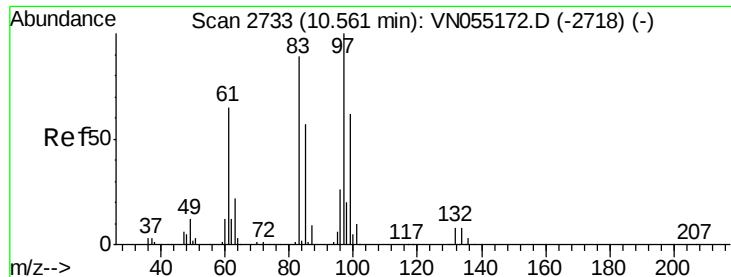


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.293 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

VN0422WBS01

Tot Ion: 97 Resp: 84343

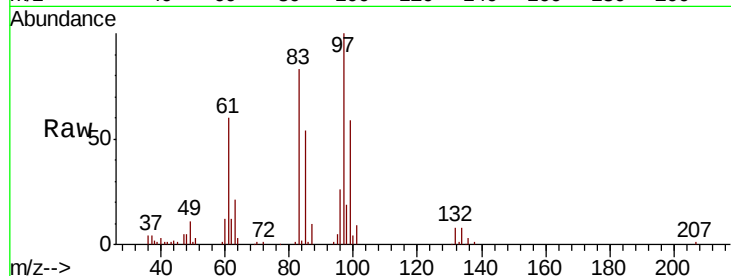
Ion Ratio Lower Upper

97 100

83 82.8 71.5 107.3

85 53.8 45.8 68.6

99 59.1 49.9 74.9

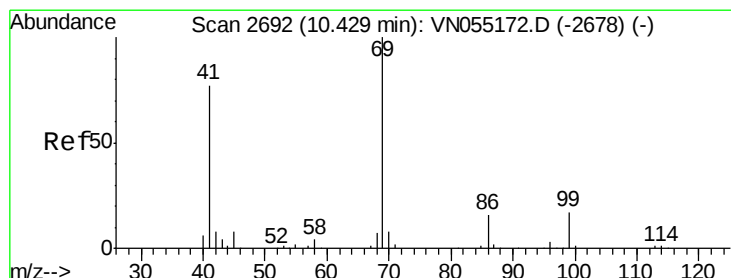
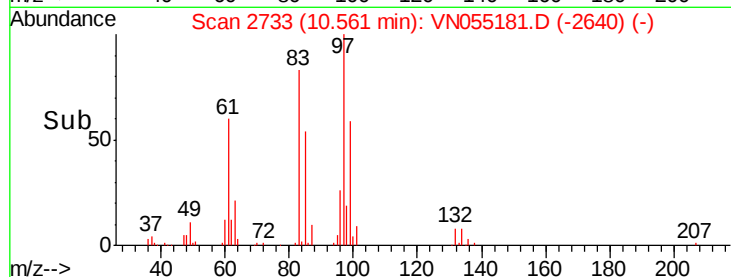
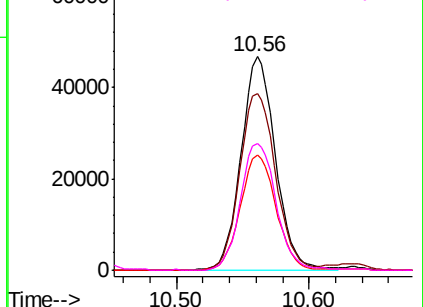


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.438 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

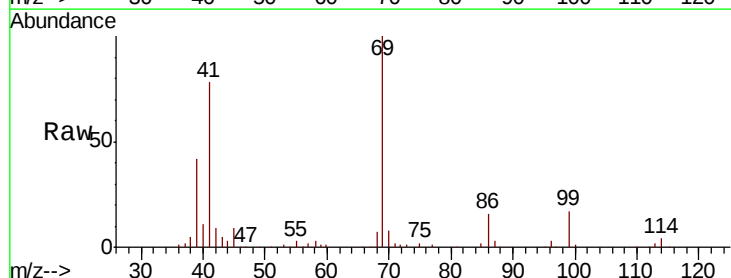
Tgt Ion: 69 Resp: 105820

Ion Ratio Lower Upper

69 100

41 76.4 60.6 90.8

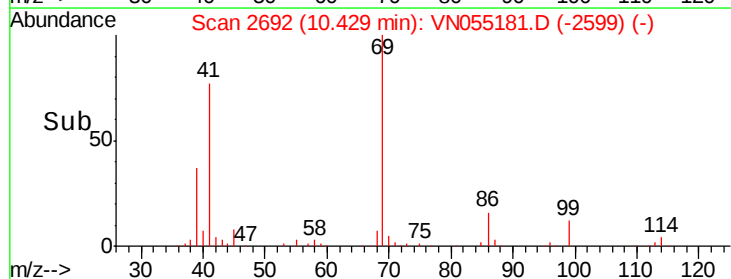
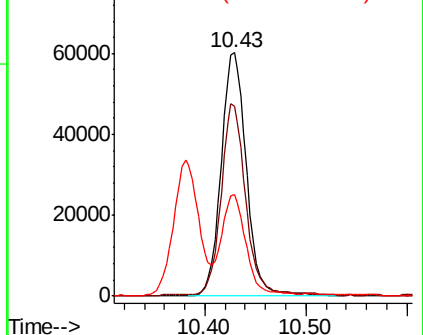
39 39.4 31.7 47.5

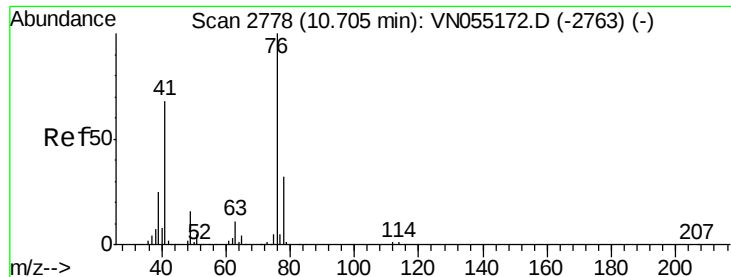


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.146 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

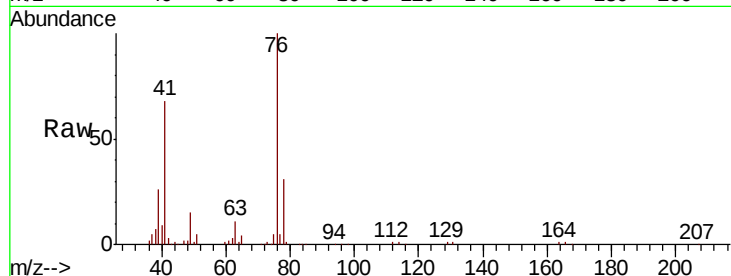
VN0422WBS01

Tot Ion: 76 Resp: 145679

Ion Ratio Lower Upper

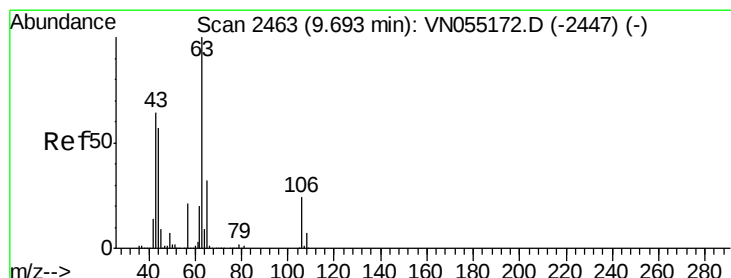
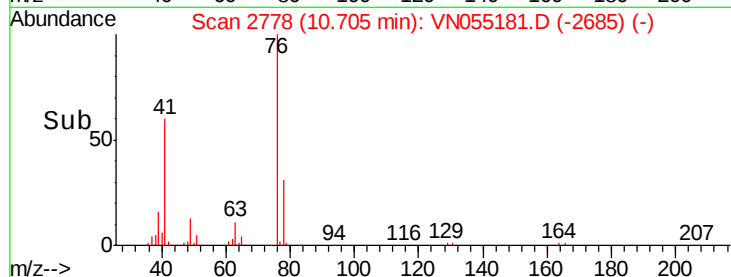
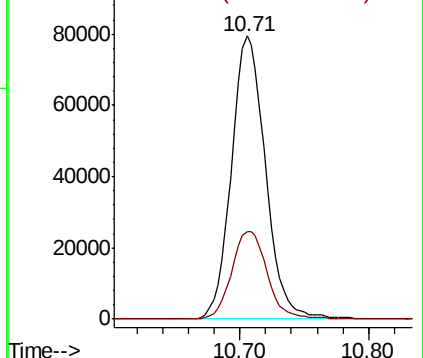
76 100

78 32.4 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.427 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055181.D

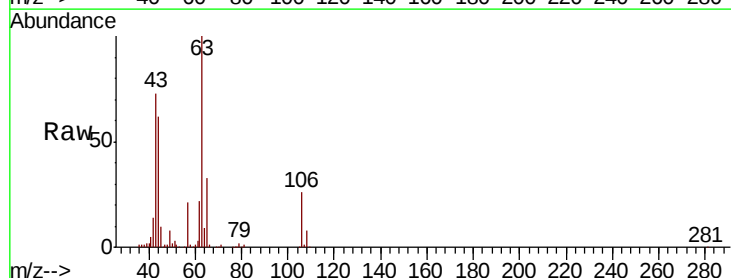
Acq: 22 Apr 2019 15:11

Tgt Ion: 63 Resp: 163275

Ion Ratio Lower Upper

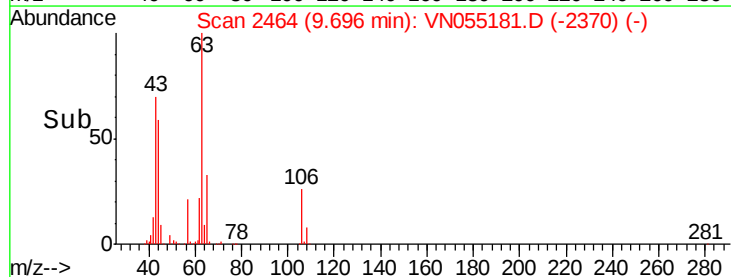
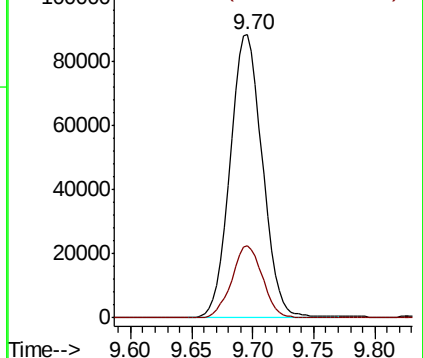
63 100

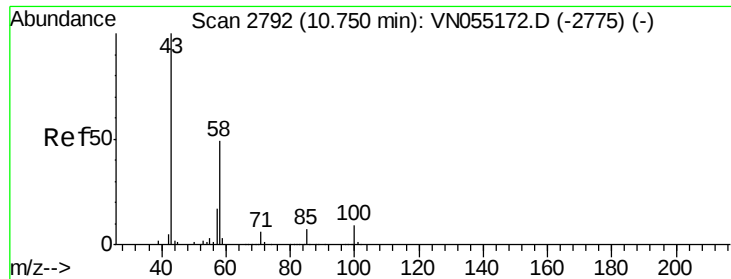
106 24.1 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

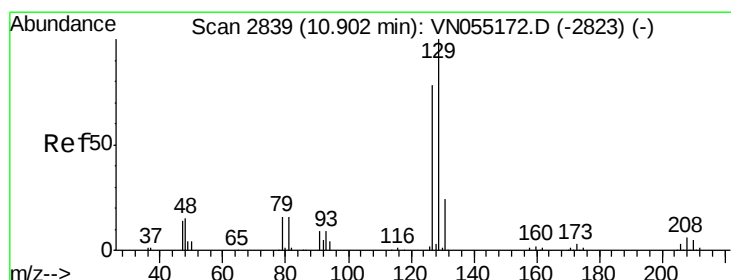
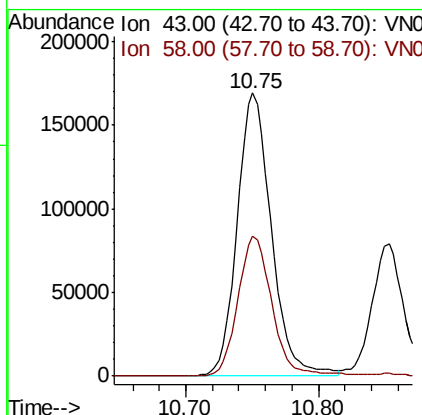
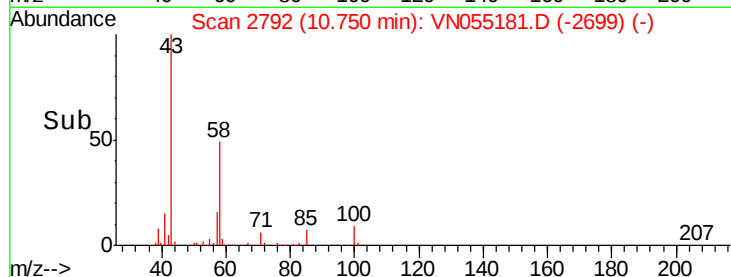
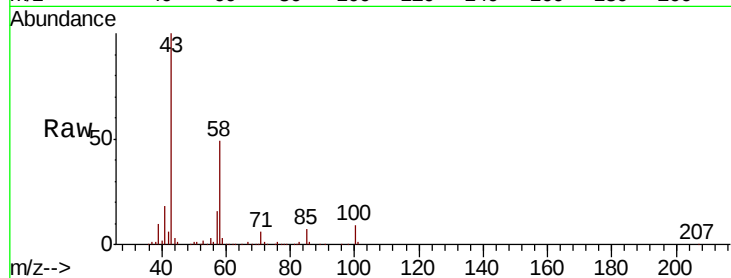




#59
2-Hexanone
Concen: 101.531 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

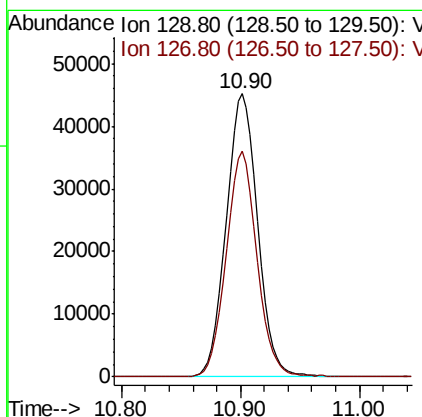
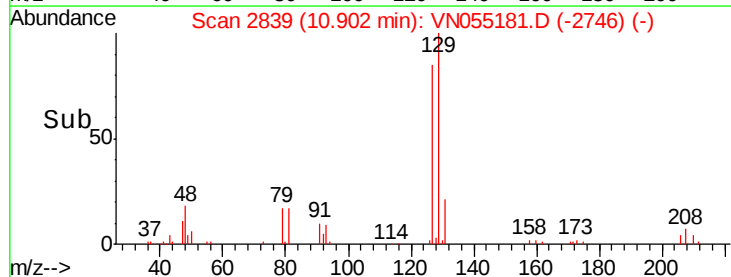
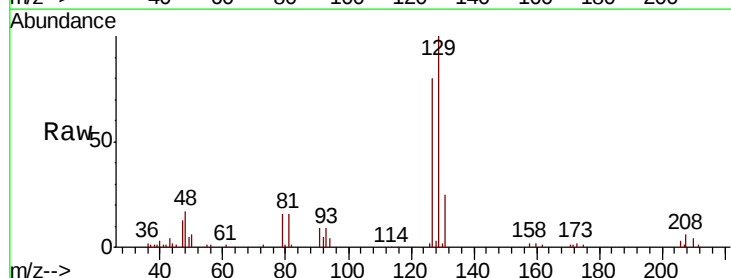
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

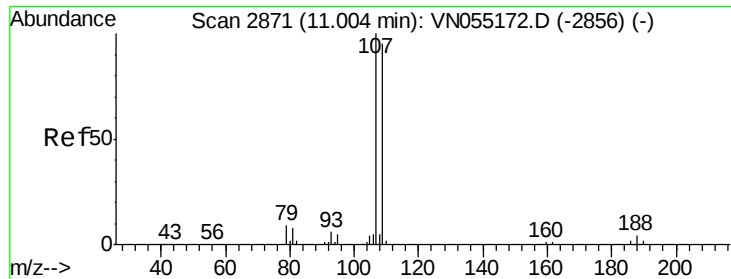
Tot Ion: 43 Resp: 300445
Ion Ratio Lower Upper
43 100
58 49.8 24.5 73.5



#60
Dibromochloromethane
Concen: 19.309 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 129 Resp: 82664
Ion Ratio Lower Upper
129 100
127 78.2 39.0 117.0

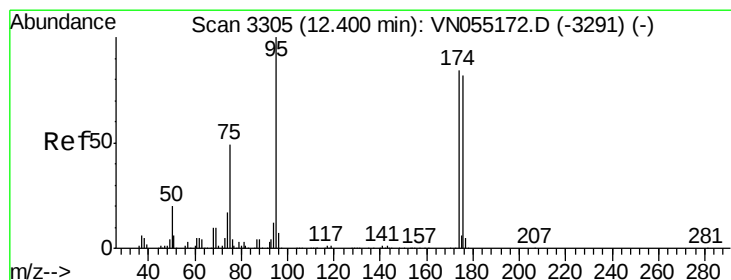
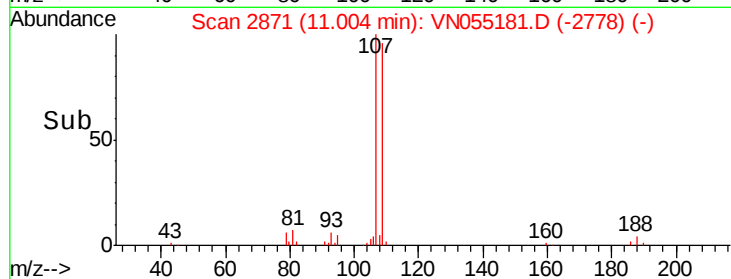
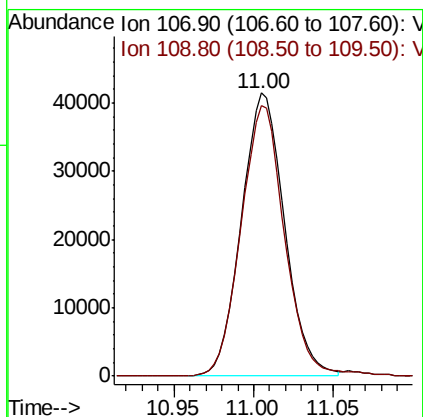
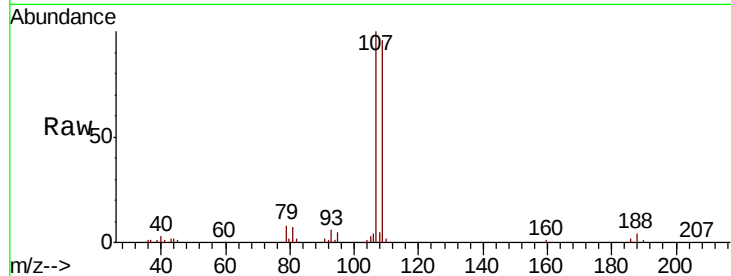




#61
 1,2-Dibromoethane
 Concen: 19.616 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

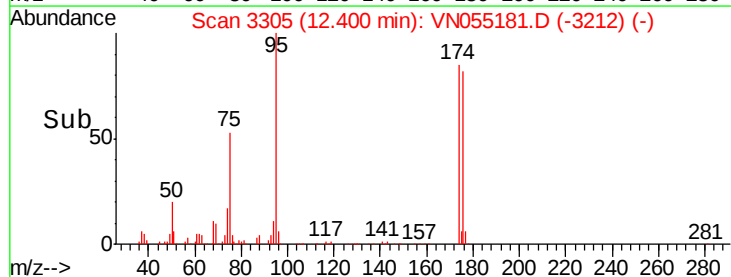
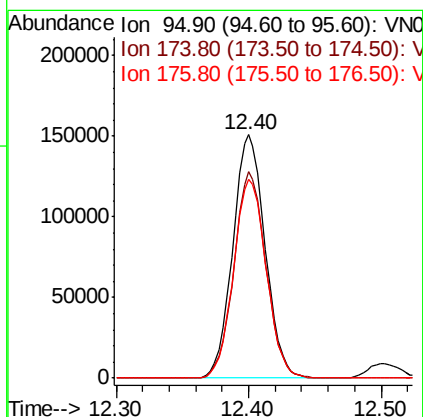
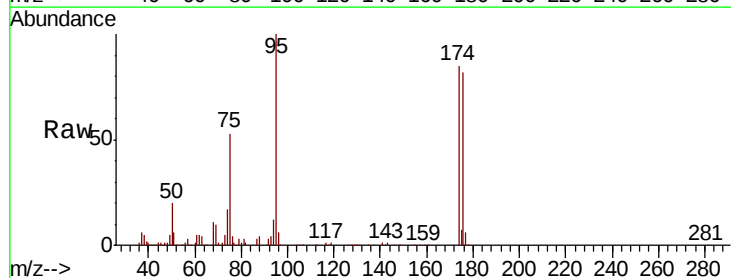
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

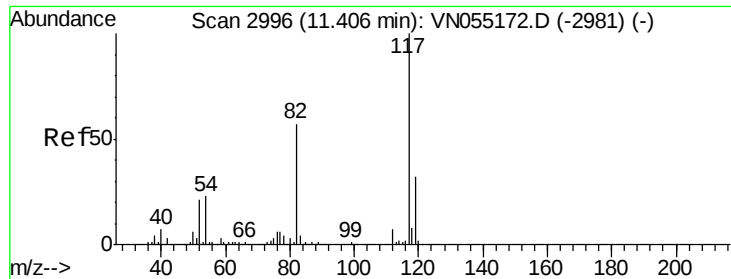
Tot Ion:107 Resp: 76654
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 47.614 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 95 Resp: 254741
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 168.4
 176 82.7 0.0 164.0

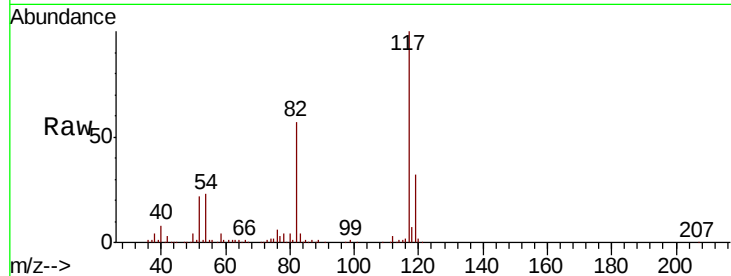




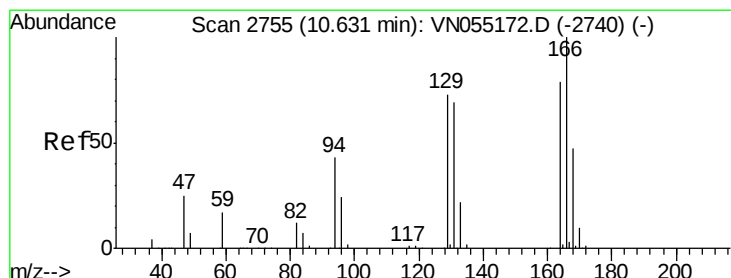
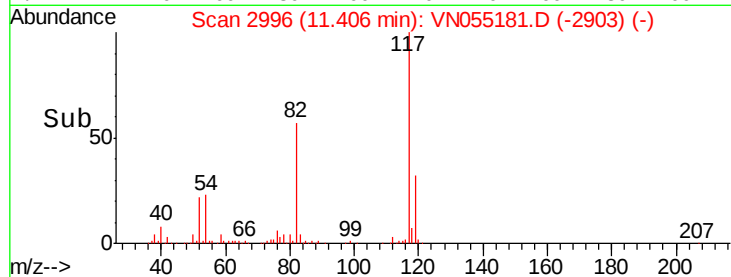
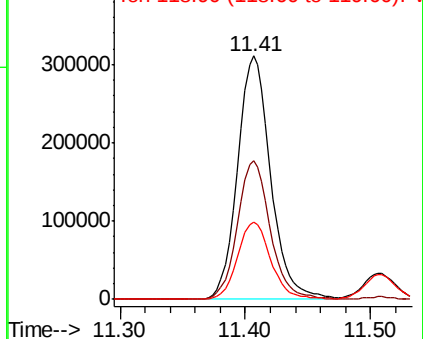
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion:117 Resp: 570137
Ion Ratio Lower Upper
117 100
82 56.9 45.7 68.5
119 31.8 25.4 38.2

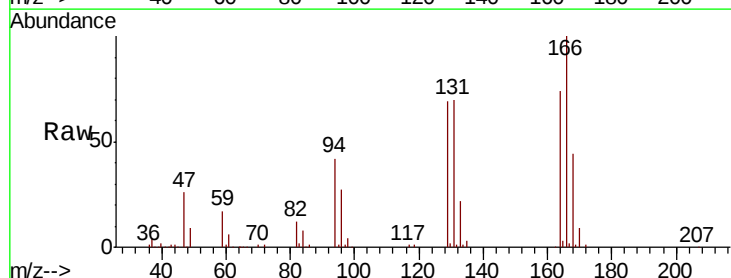


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

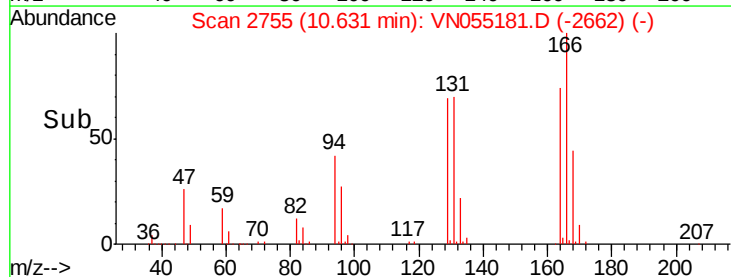
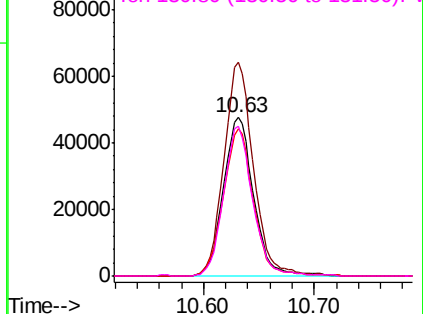


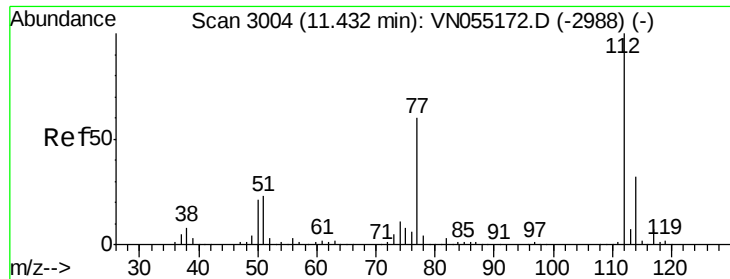
#64
Tetrachloroethene
Concen: 19.351 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:164 Resp: 90004
Ion Ratio Lower Upper
164 100
166 134.9 101.9 152.9
129 92.6 74.1 111.1
131 94.5 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

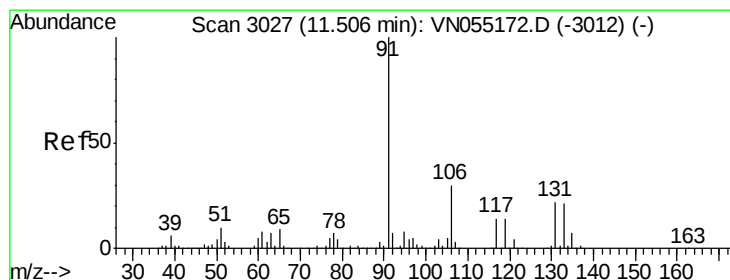
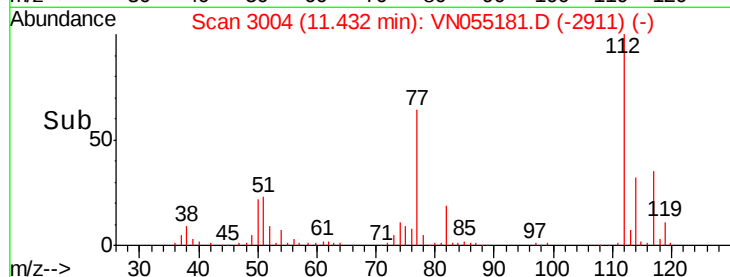
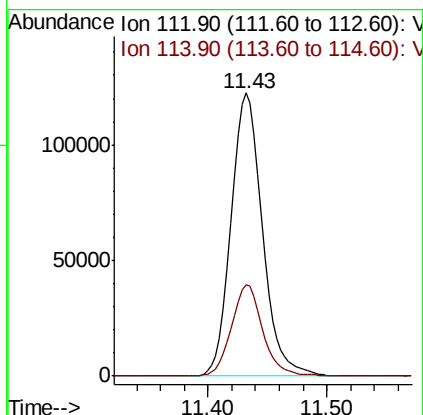
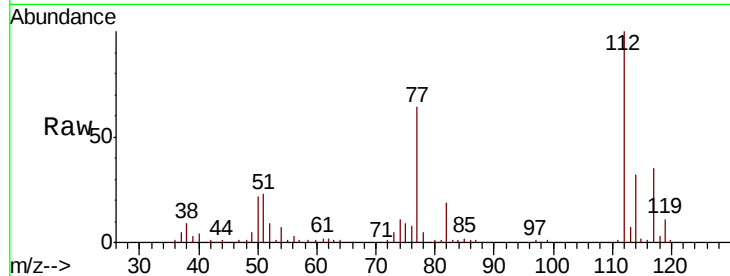




#65
Chlorobenzene
Concen: 19.236 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

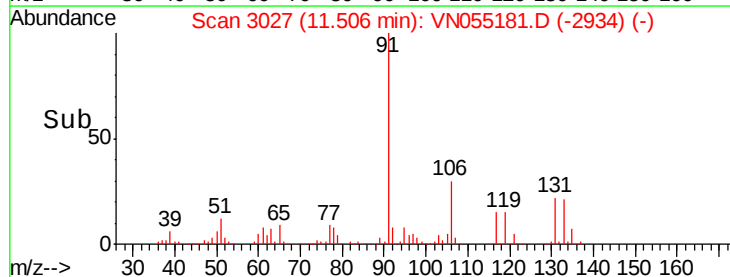
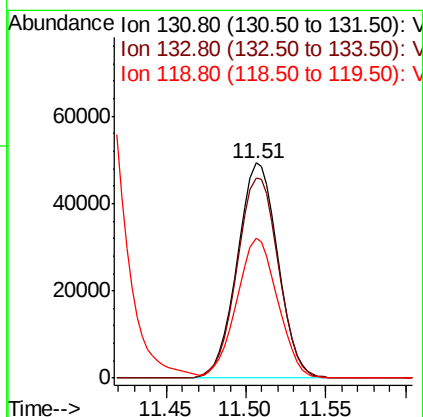
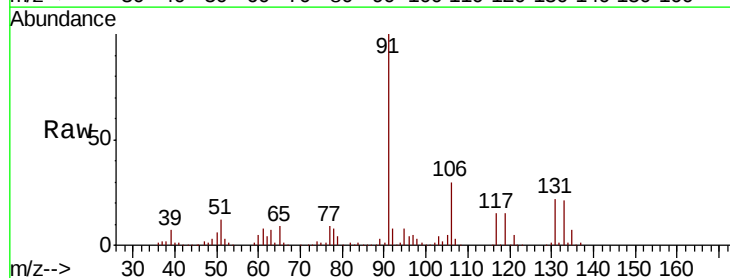
Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

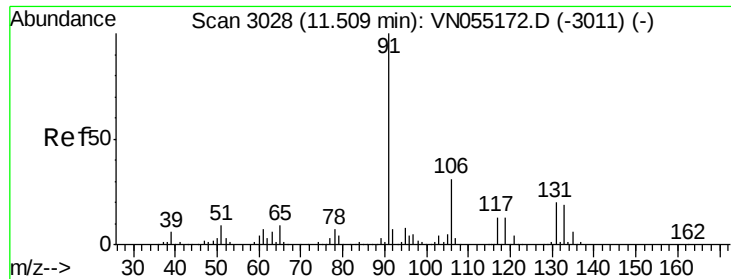
Tot Ion:112 Resp: 223853
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.722 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:131 Resp: 85062
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.0 33.2 99.6

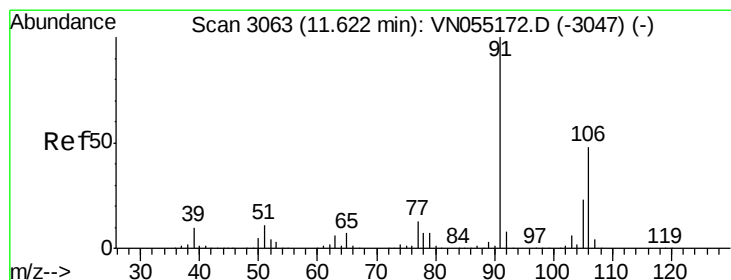
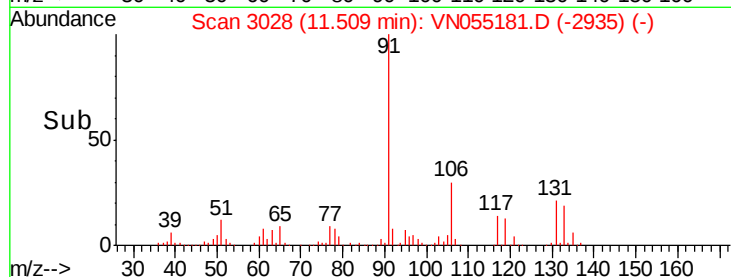
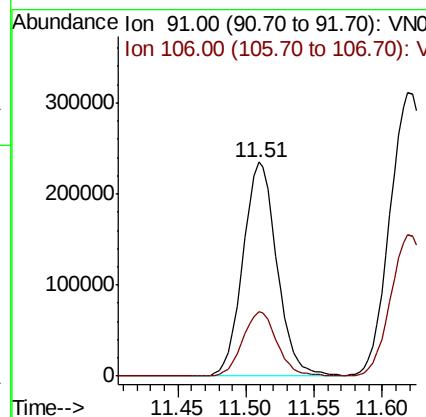
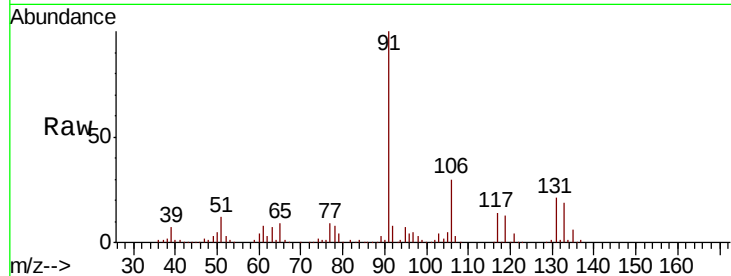




#67
Ethyl Benzene
Concen: 19.602 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

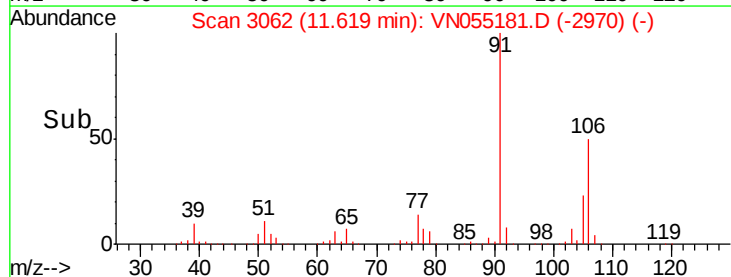
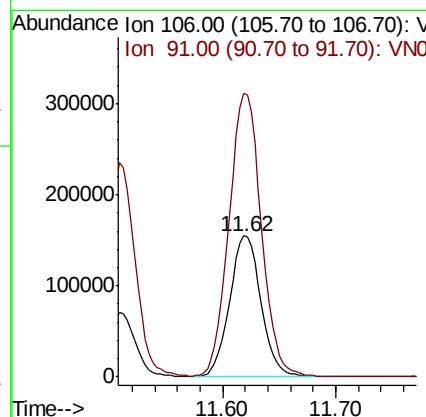
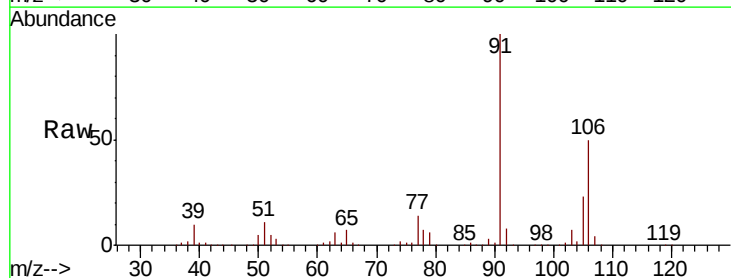
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

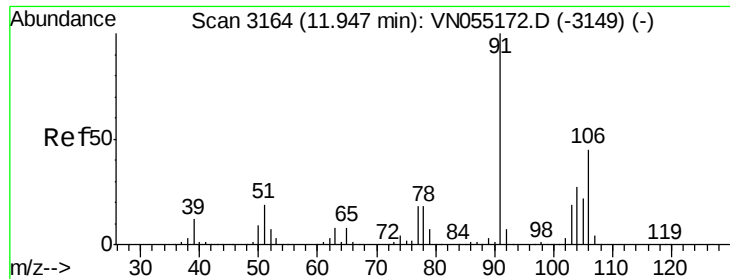
Tot Ion: 91 Resp: 406339
Ion Ratio Lower Upper
91 100
106 30.0 24.5 36.7



#68
m/p-Xylenes
Concen: 40.275 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 106 Resp: 299434
Ion Ratio Lower Upper
106 100
91 206.6 167.1 250.7

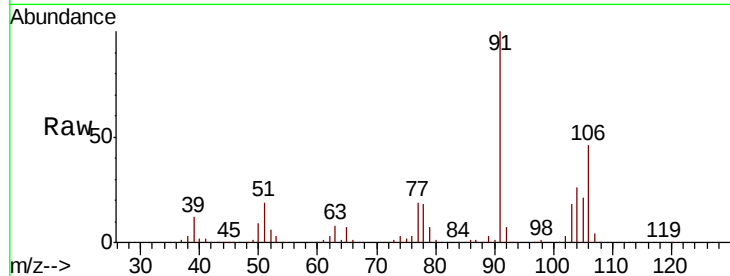




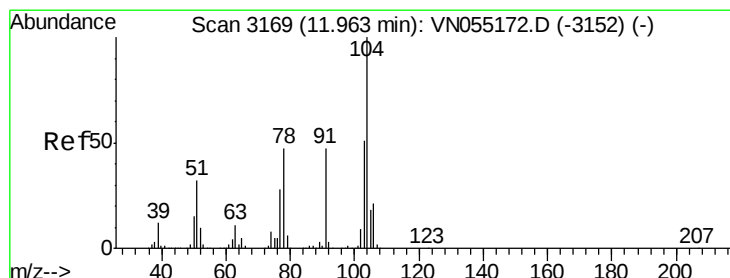
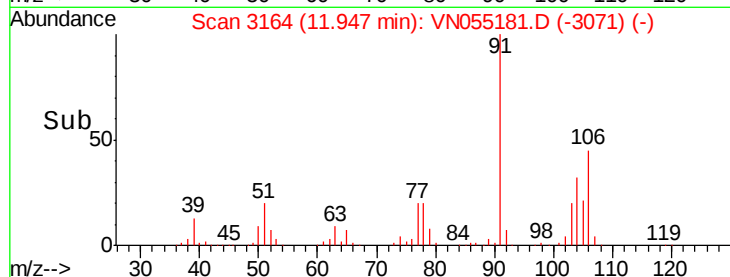
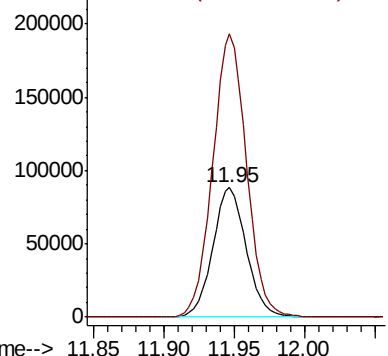
#69
o-Xylene
Concen: 19.882 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

Tot Ion:106 Resp: 146695
Ion Ratio Lower Upper
106 100
91 221.3 110.6 331.8

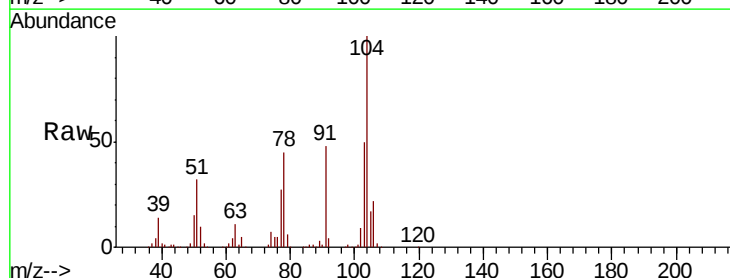


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

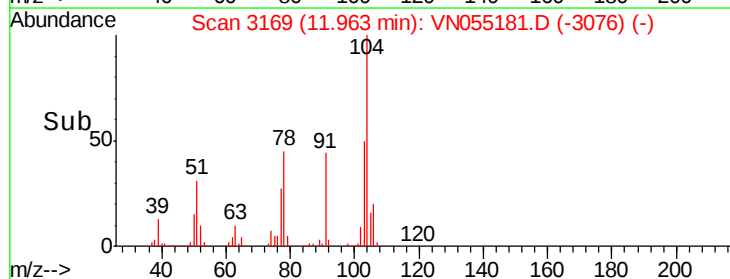
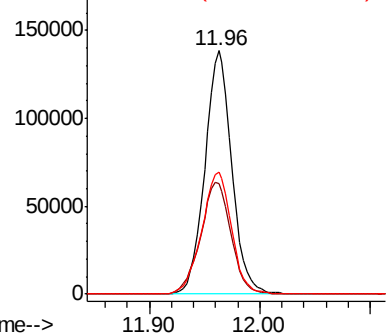


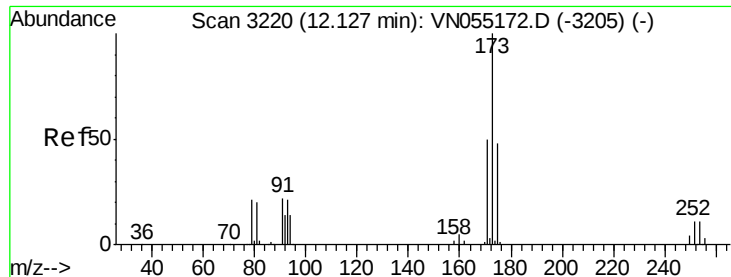
#70
Styrene
Concen: 20.490 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:104 Resp: 234340
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.378 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

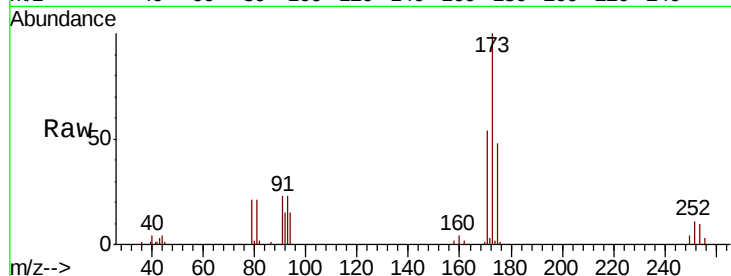
Tot Ion:173 Resp: 49874

Ion Ratio Lower Upper

173 100

175 49.0 23.8 71.2

254 0.0 0.1 0.1#

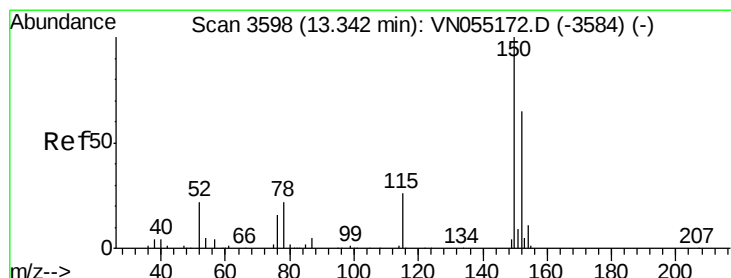
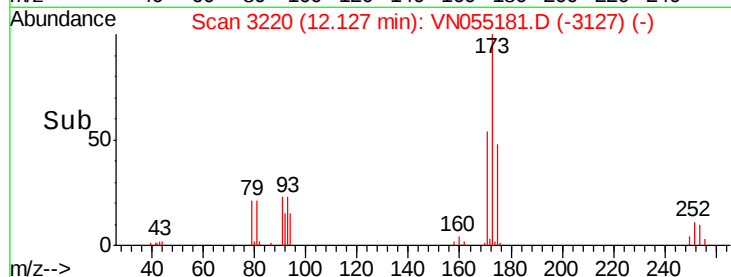
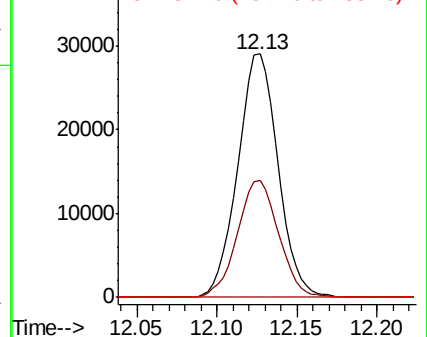


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

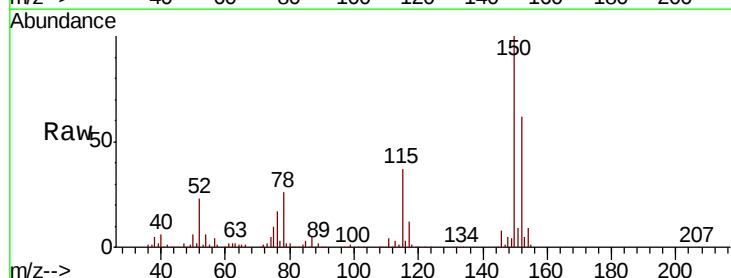
Tgt Ion:152 Resp: 215479

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 166.7 0.0 346.6

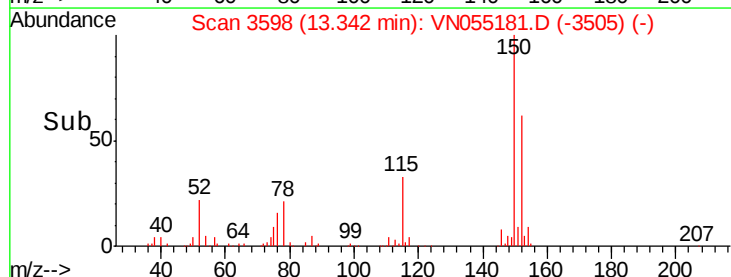
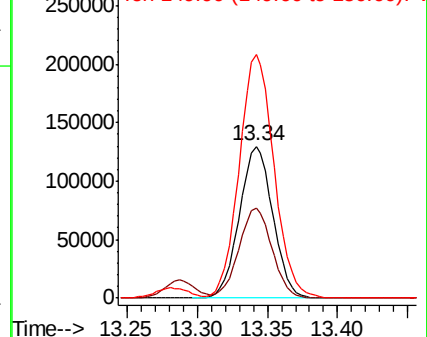


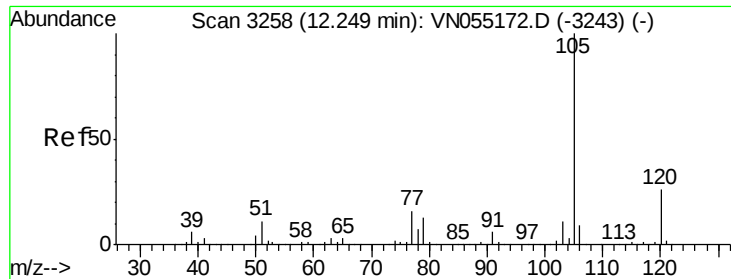
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.386 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

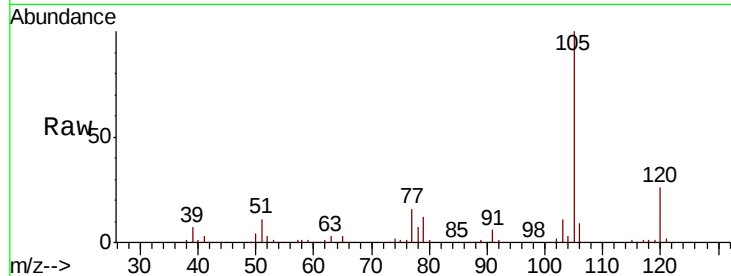
VN0422WBS01

Tot Ion:105 Resp: 392620

Ion Ratio Lower Upper

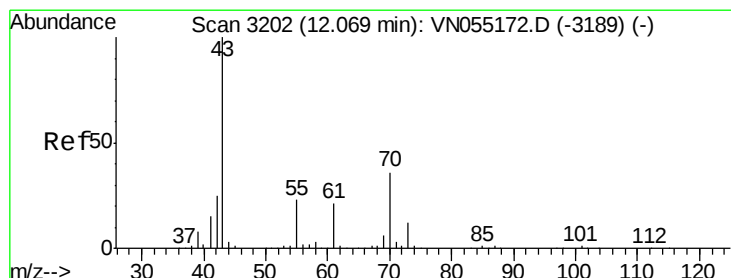
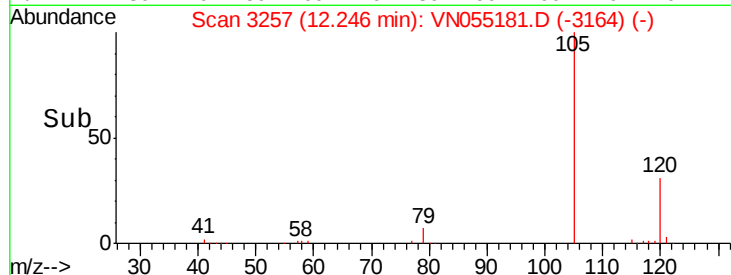
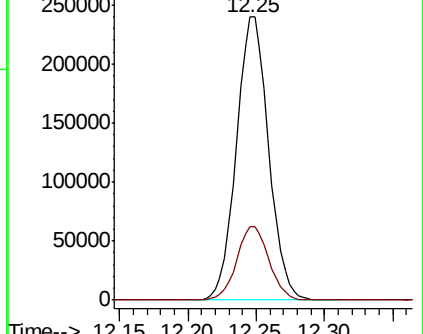
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.113 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 111735

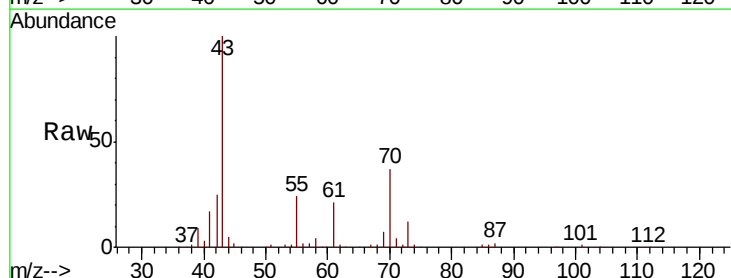
Ion Ratio Lower Upper

43 100

70 37.5 29.0 43.6

55 24.7 18.5 27.7

61 22.4 17.0 25.4

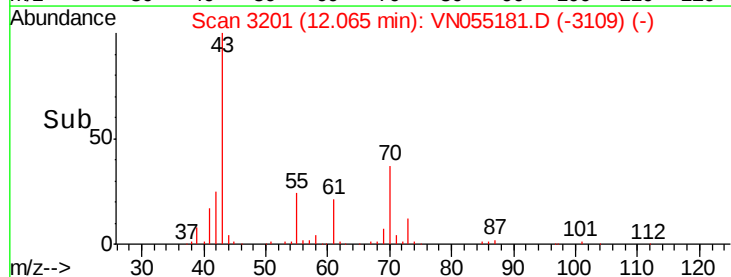
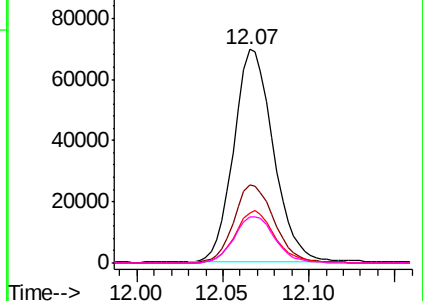


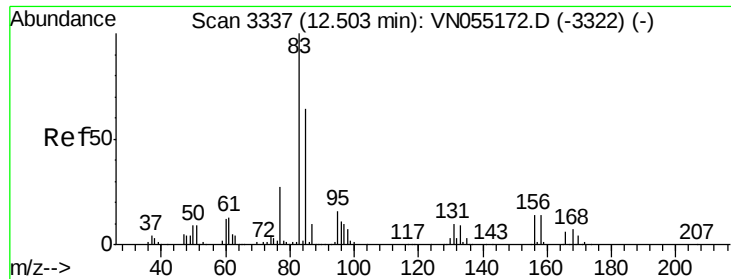
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.059 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

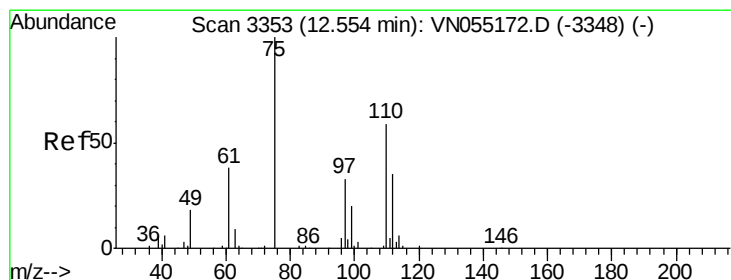
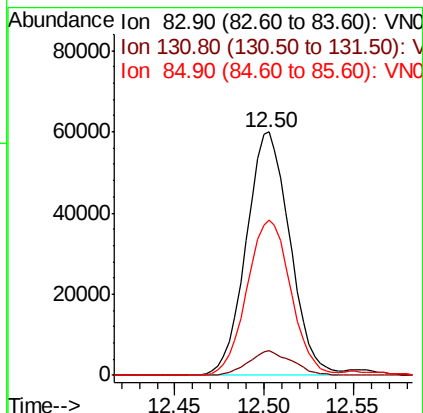
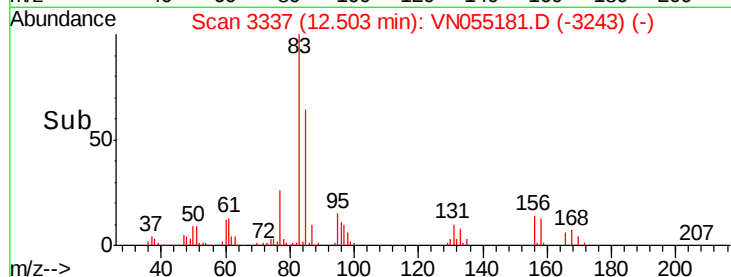
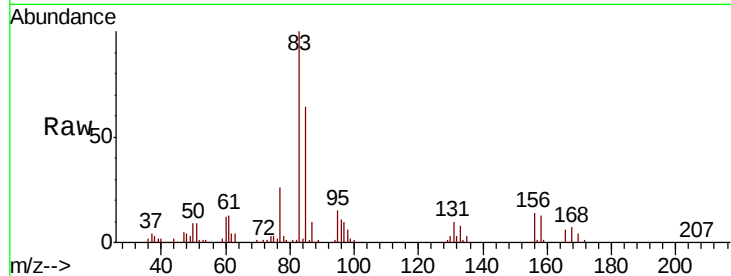
Tot Ion: 83 Resp: 102647

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

85 64.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 27.479 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055181.D

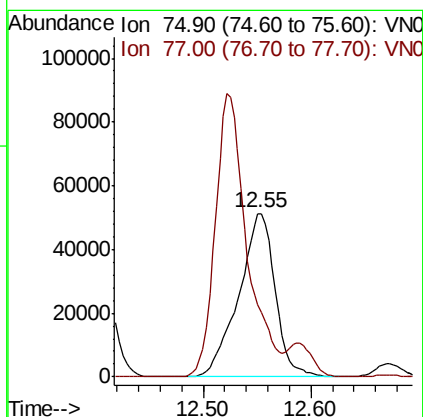
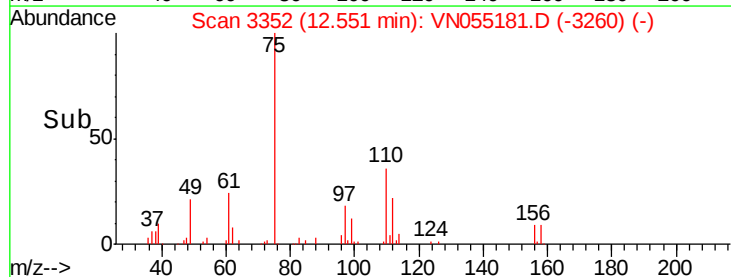
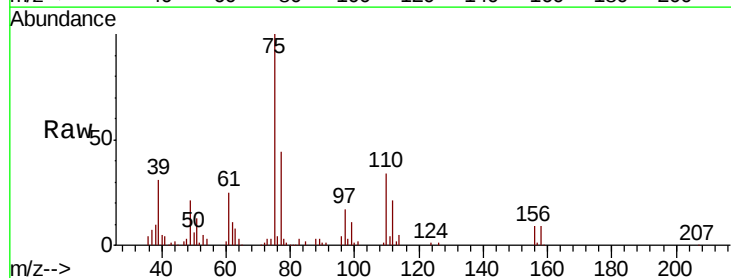
Acq: 22 Apr 2019 15:11

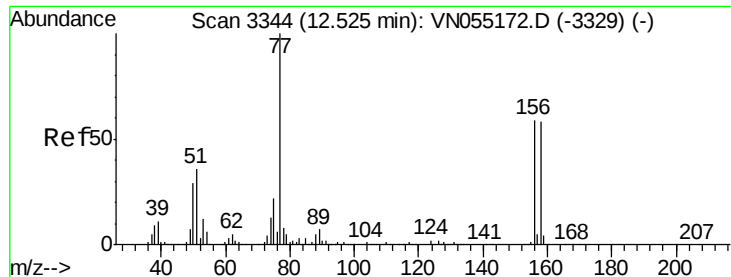
Tgt Ion: 75 Resp: 120126

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.223 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

VN0422WBS01

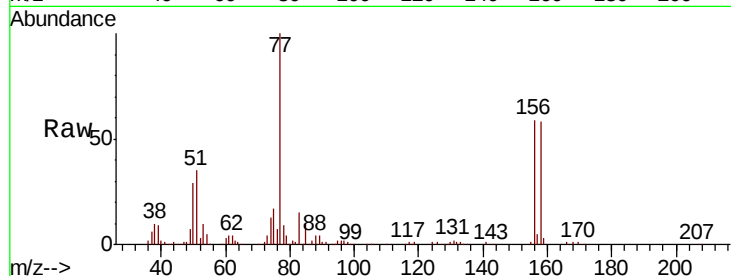
Tot Ion:156 Resp: 91443

Ion Ratio Lower Upper

156 100

77 198.2 98.0 293.9

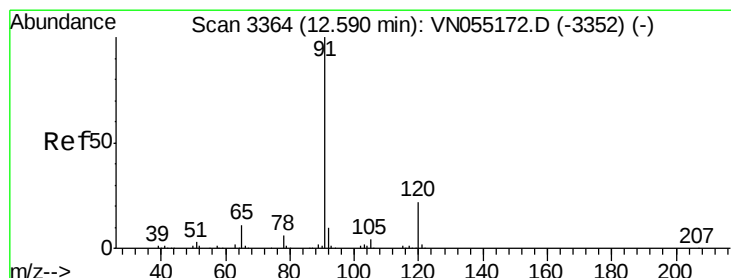
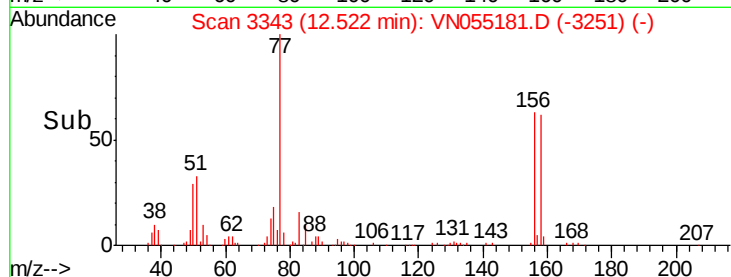
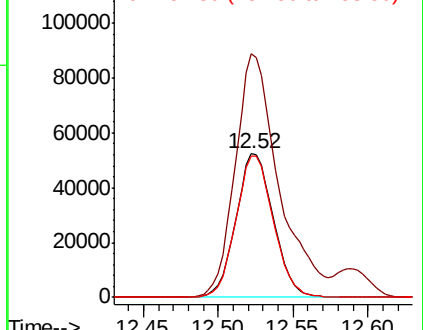
158 98.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.424 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055181.D

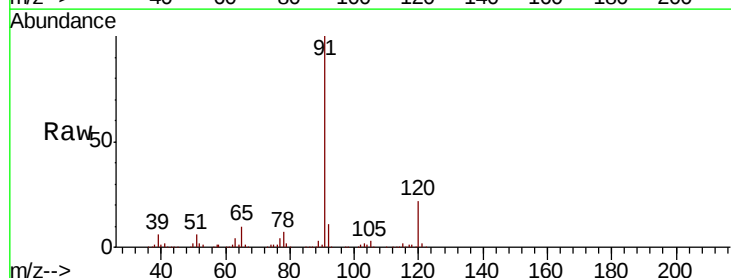
Acq: 22 Apr 2019 15:11

Tgt Ion: 91 Resp: 419740

Ion Ratio Lower Upper

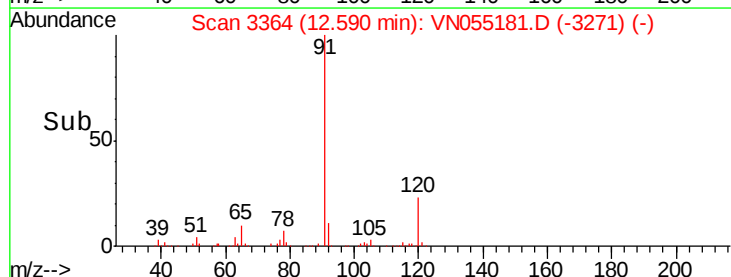
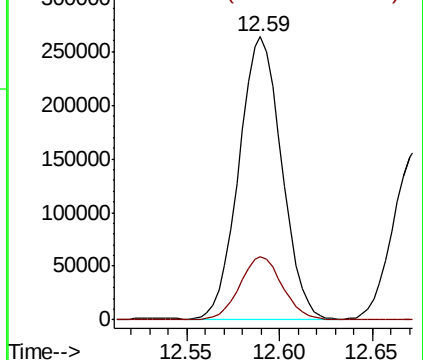
91 100

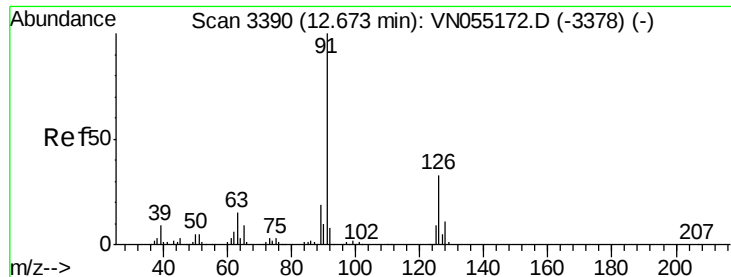
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.110 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

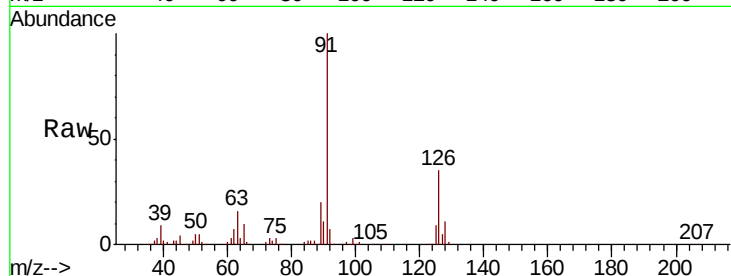
VN0422WBS01

Tot Ion: 91 Resp: 260763

Ion Ratio Lower Upper

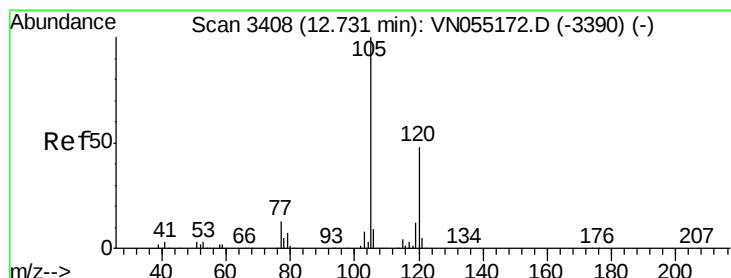
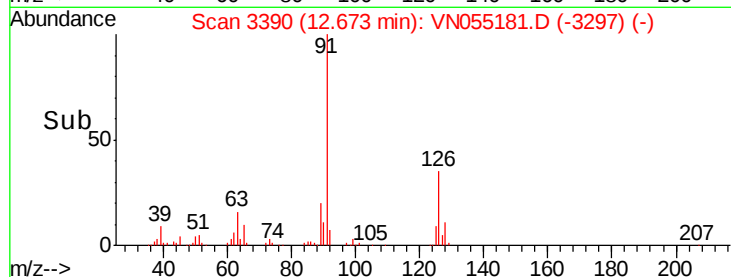
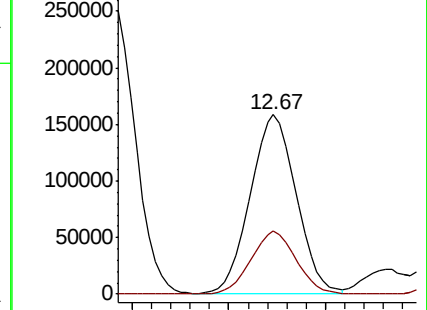
91 100

126 34.7 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.735 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055181.D

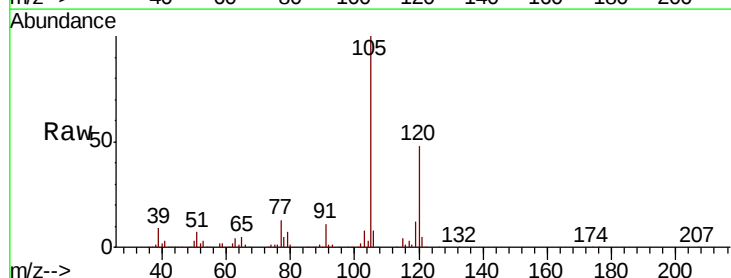
Acq: 22 Apr 2019 15:11

Tgt Ion:105 Resp: 318346

Ion Ratio Lower Upper

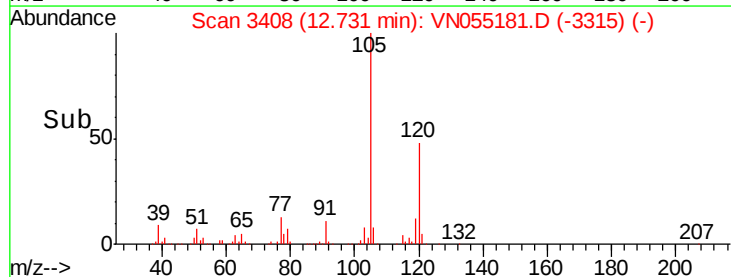
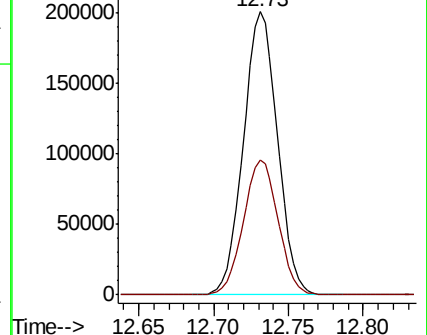
105 100

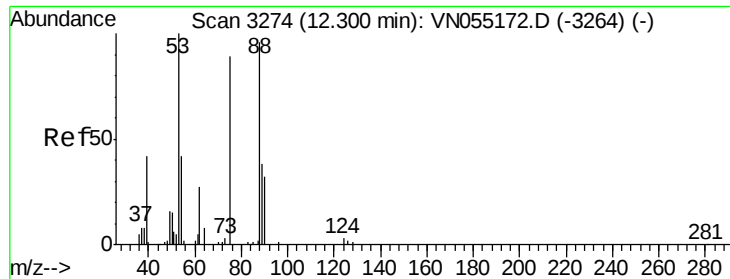
120 48.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

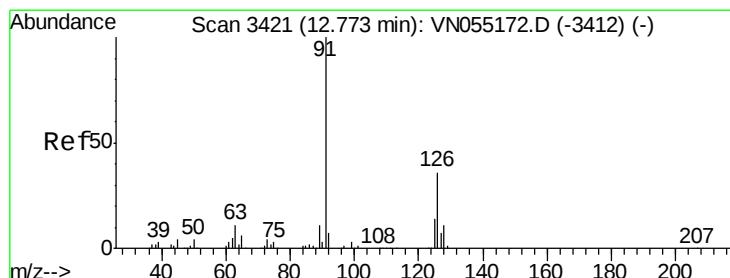
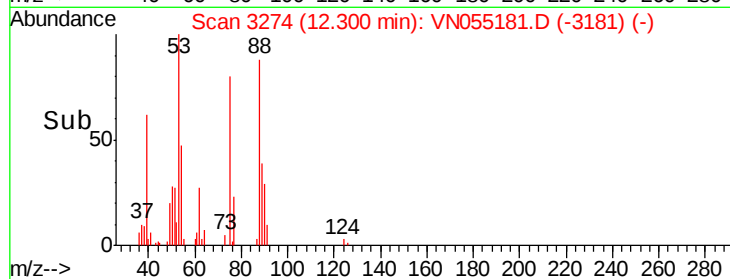
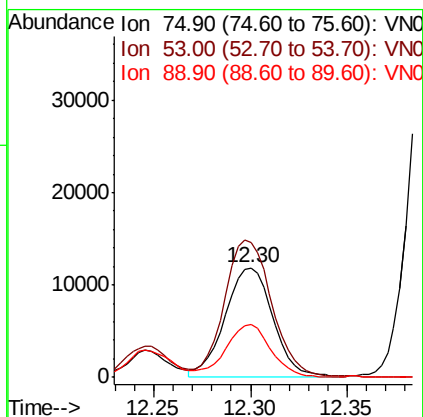
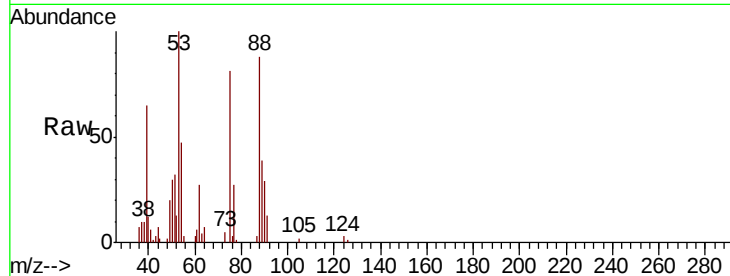




#81
trans-1,4-Dichloro-2-butene
Concen: 17.787 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

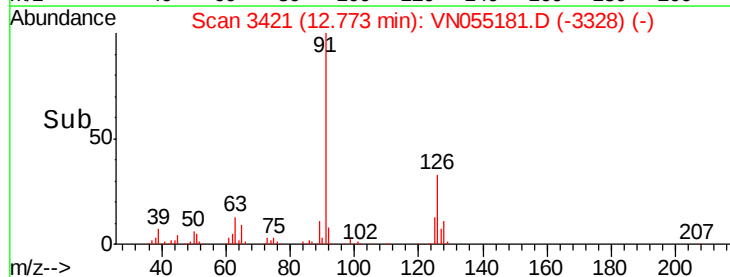
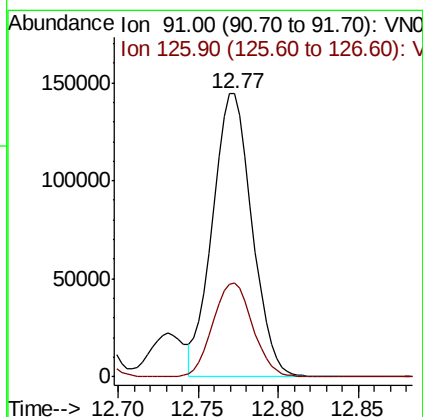
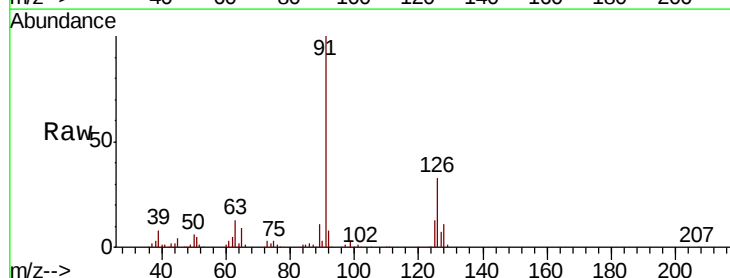
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

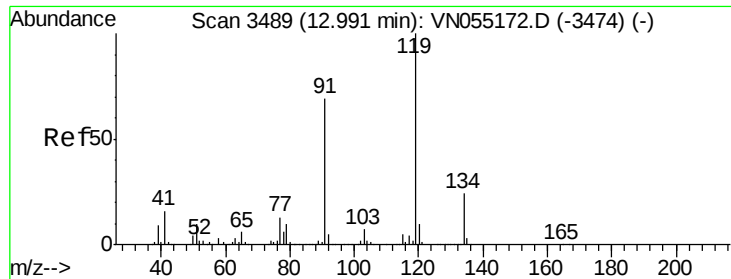
Tot Ion: 75 Resp: 20512
Ion Ratio Lower Upper
75 100
53 121.5 90.1 135.1
89 45.4 36.7 55.1



#82
4-Chlorotoluene
Concen: 19.681 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 91 Resp: 247082
Ion Ratio Lower Upper
91 100
126 33.6 16.5 49.5

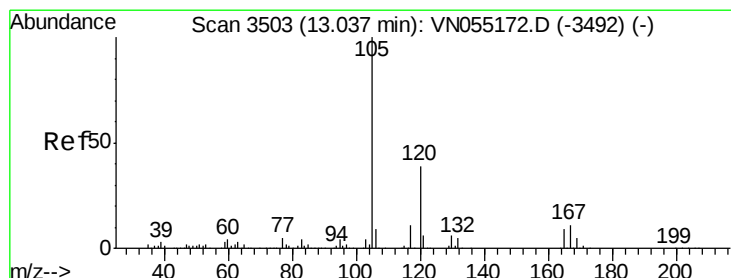
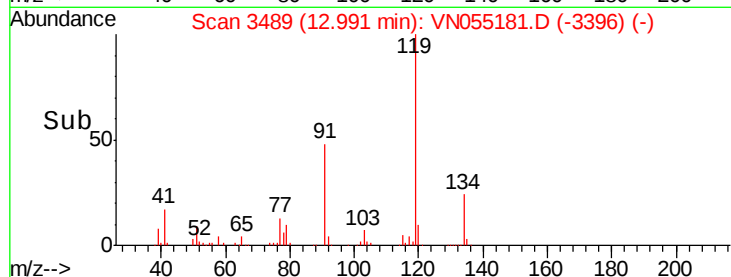
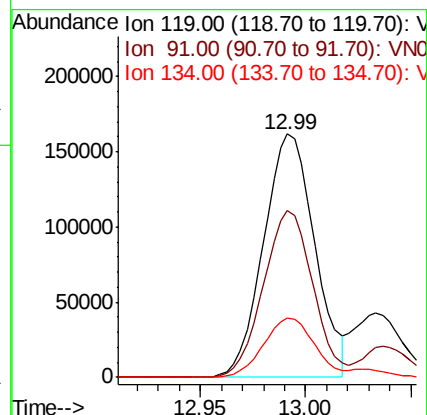
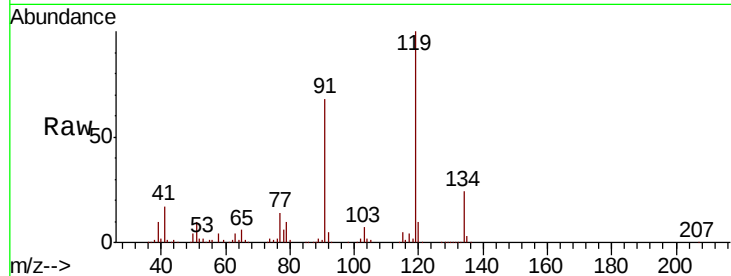




#83
tert-Butylbenzene
Concen: 21.275 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

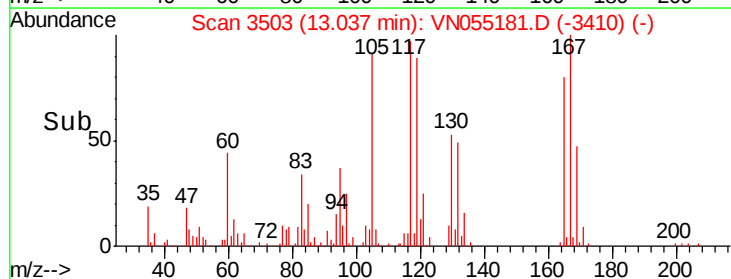
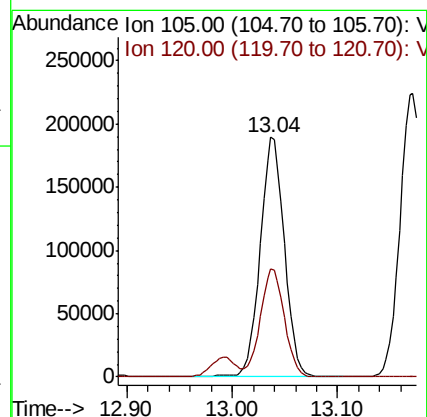
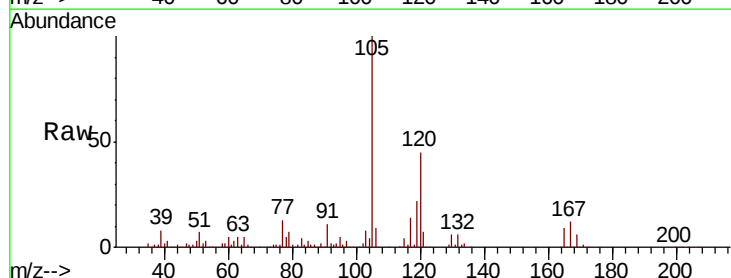
Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

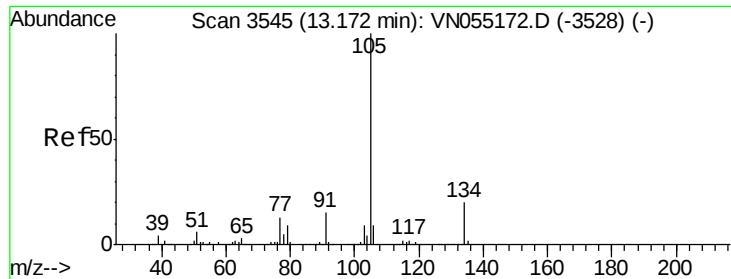
Tot Ion:119 Resp: 273178
Ion Ratio Lower Upper
119 100
91 66.4 33.8 101.3
134 24.5 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 19.972 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:105 Resp: 304013
Ion Ratio Lower Upper
105 100
120 44.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.213 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampled :

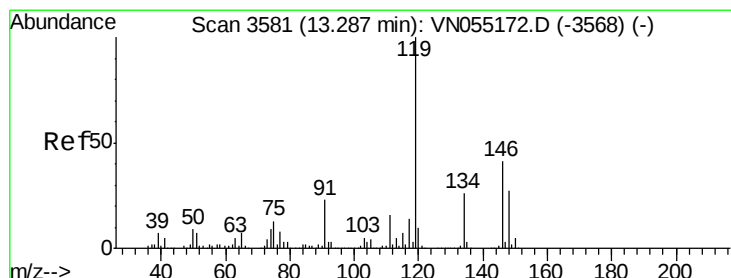
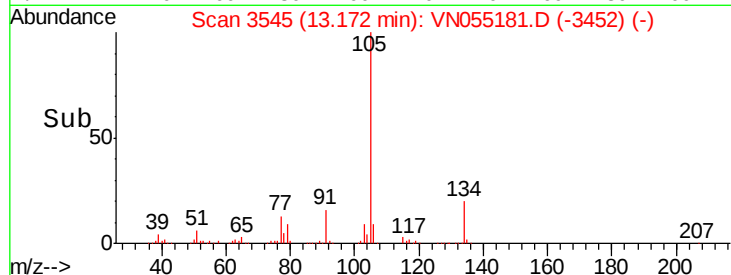
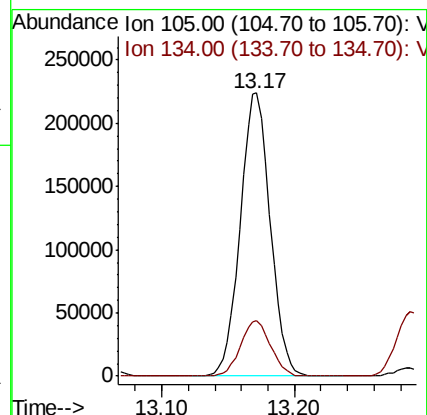
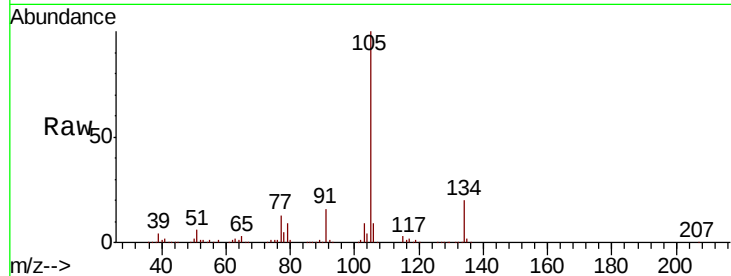
VN0422WBS01

Tot Ion:105 Resp: 350615

Ion Ratio Lower Upper

105 100

134 19.7 10.0 30.0



#86

p-Isopropyltoluene

Concen: 19.816 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

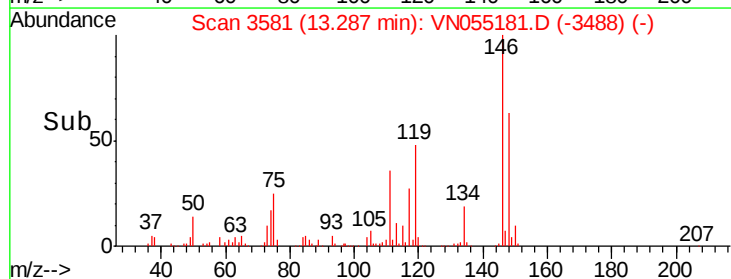
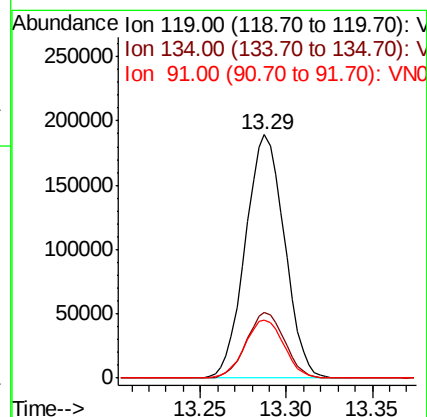
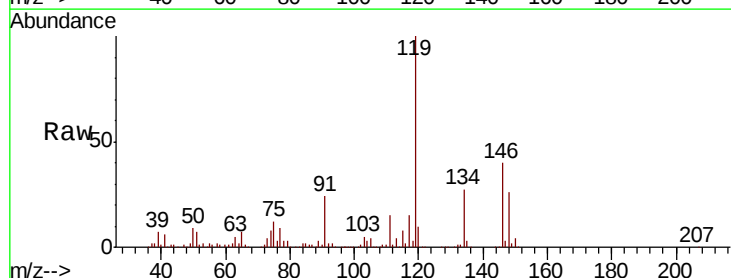
Tgt Ion:119 Resp: 297923

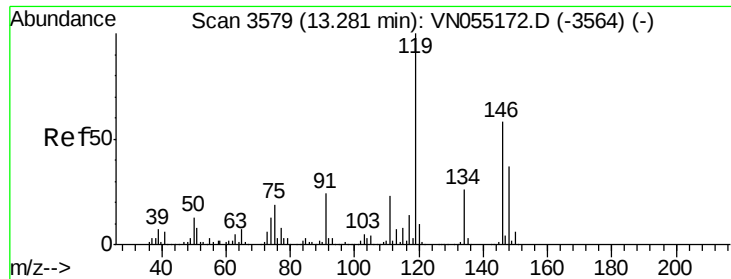
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.1 11.8 35.3

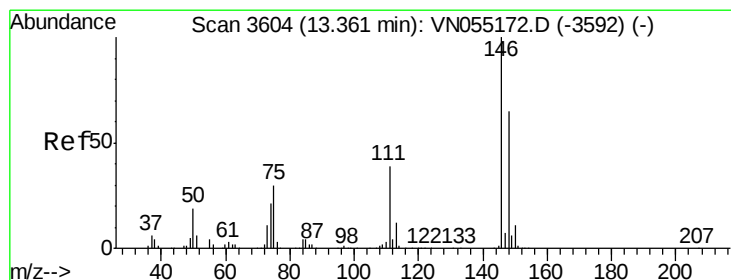
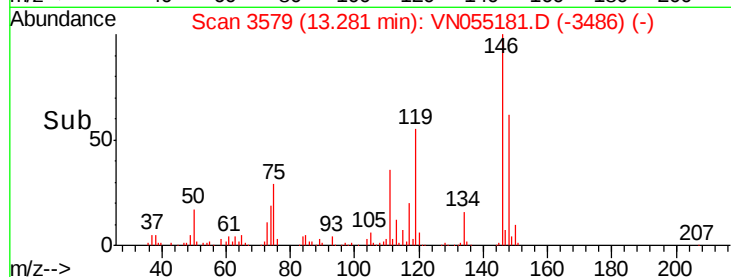
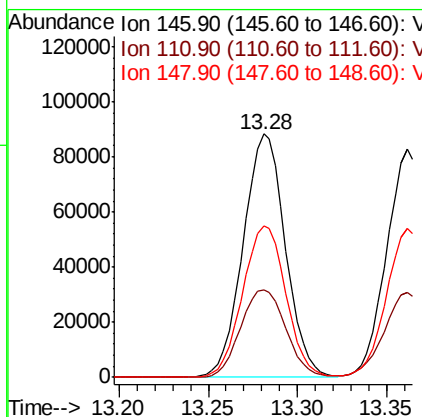
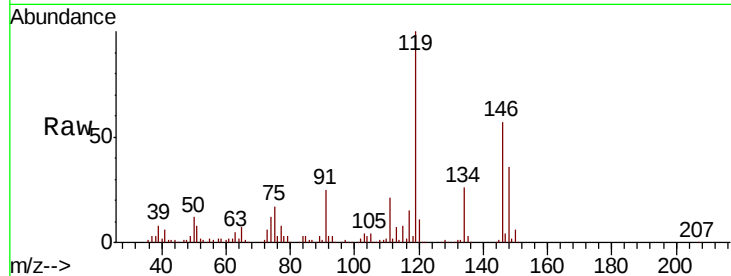




#87
 1,3-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

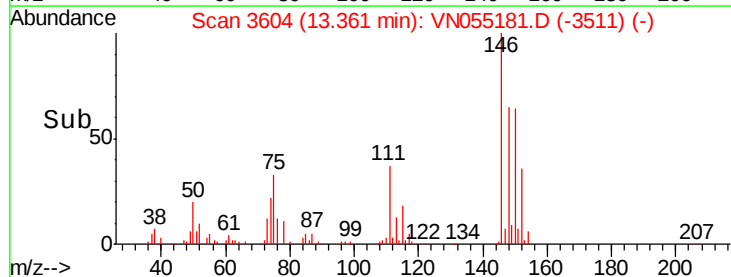
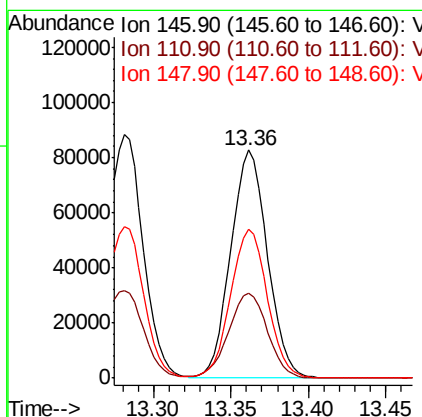
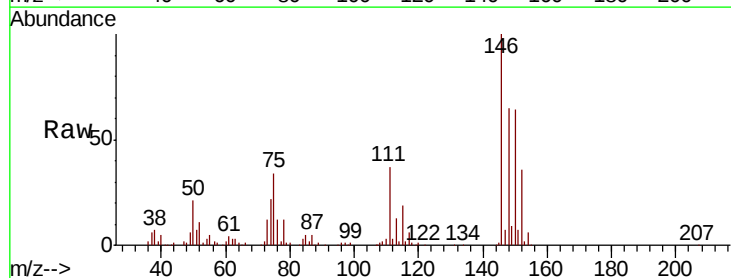
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

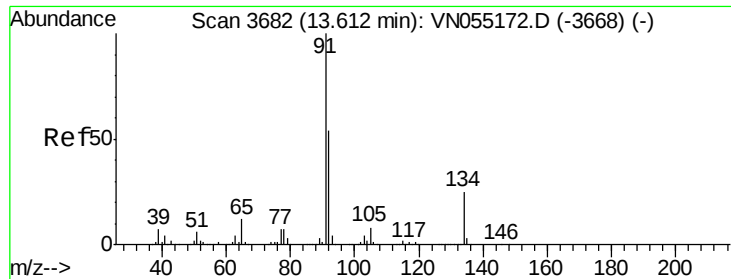
Tot Ion:146 Resp: 145862
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.7 59.1
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion:146 Resp: 136332
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.4 58.2
 148 65.8 32.9 98.6

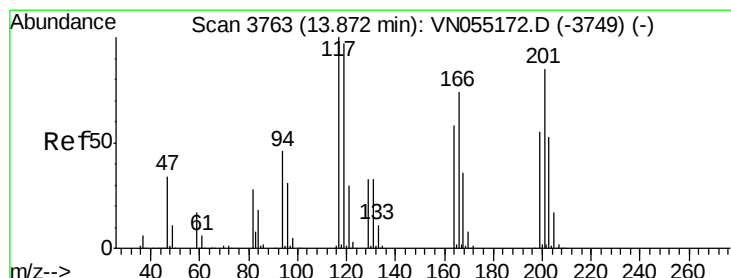
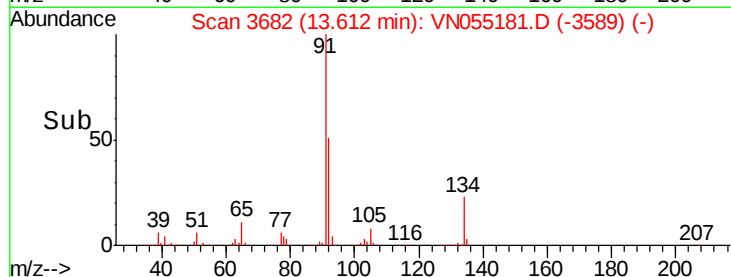
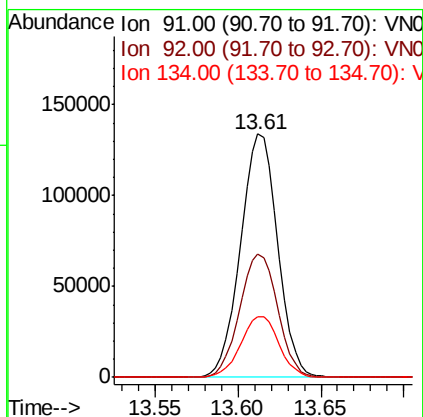
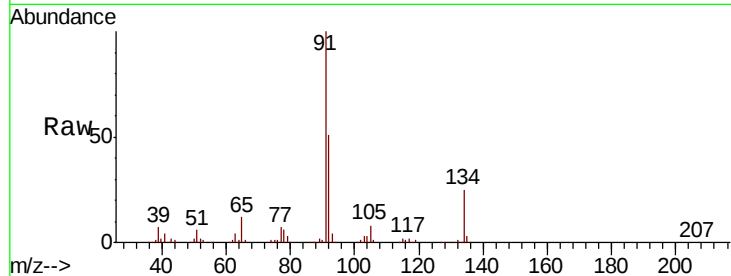




#89
n-Butylbenzene
Concen: 18.680 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

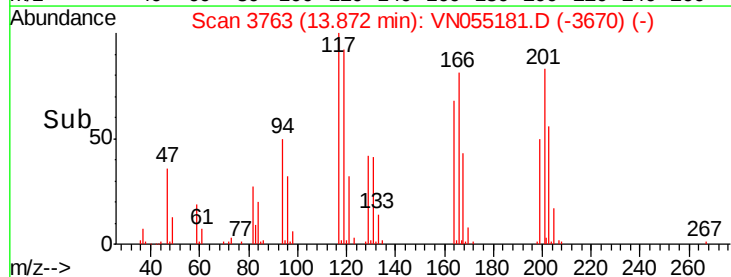
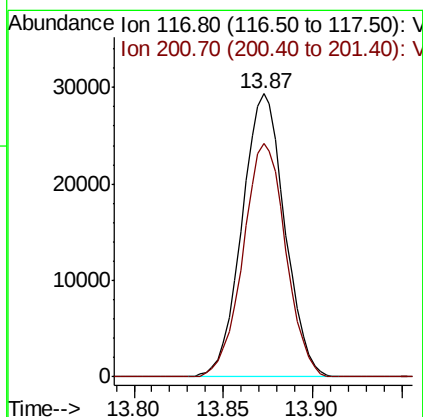
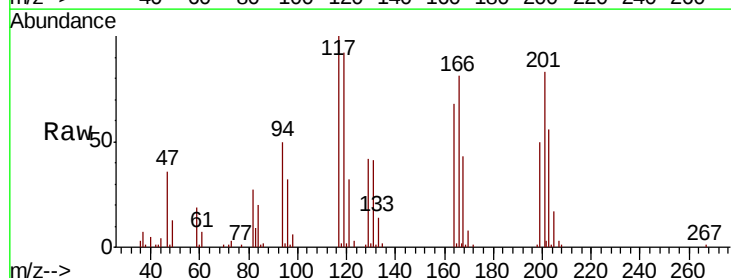
Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

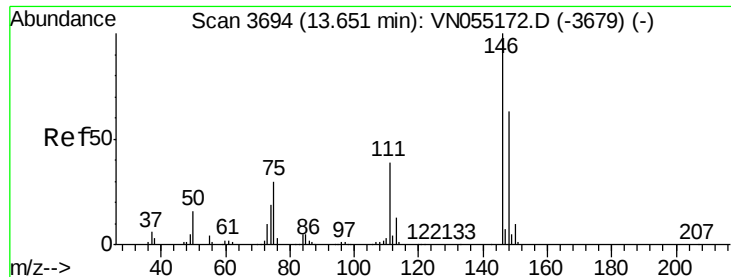
Tot Ion: 91 Resp: 208169
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.2
134 25.8 12.8 38.4



#90
Hexachloroethane
Concen: 18.379 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 117 Resp: 49005
Ion Ratio Lower Upper
117 100
201 82.4 43.1 129.4





#91

1,2-Dichlorobenzene

Concen: 19.729 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

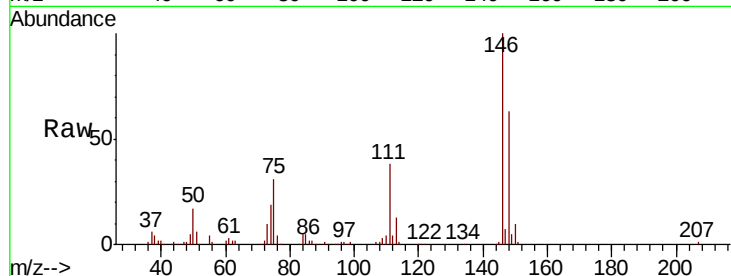
Tot Ion:146 Resp: 147980

Ion Ratio Lower Upper

146 100

111 39.1 19.8 59.3

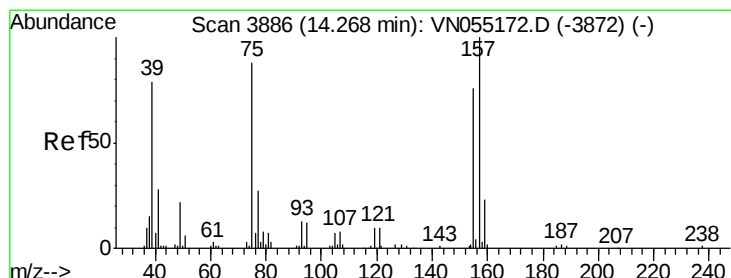
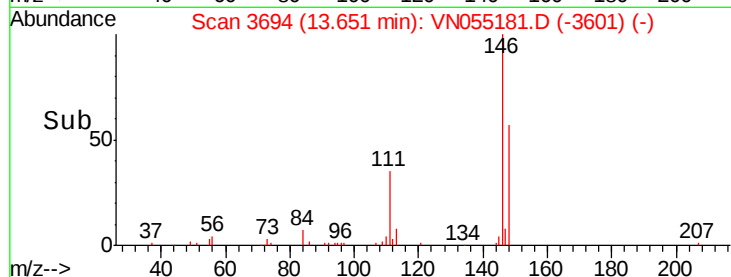
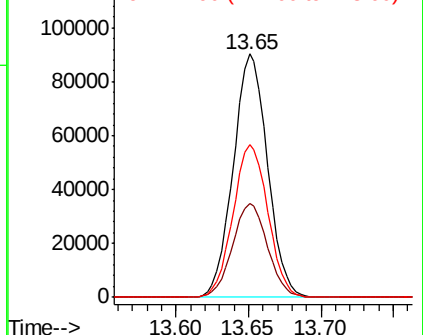
148 63.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.331 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

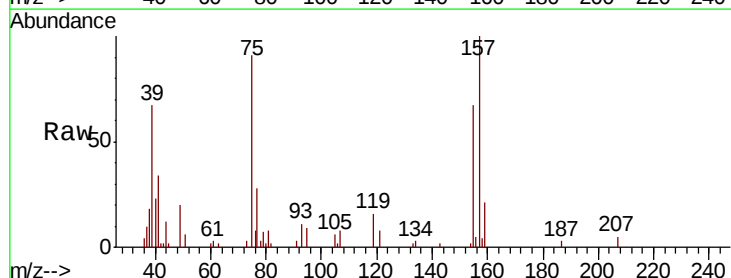
Tgt Ion: 75 Resp: 12649

Ion Ratio Lower Upper

75 100

155 84.2 43.0 129.0

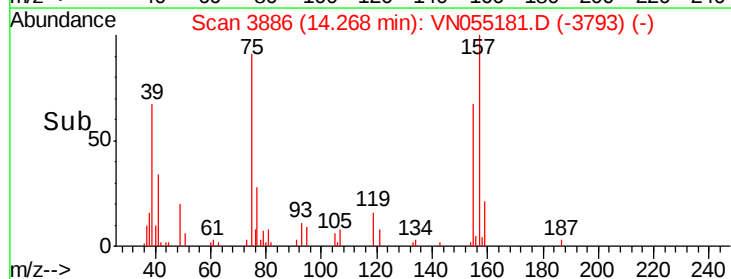
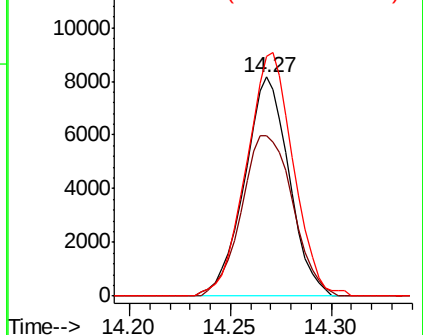
157 116.4 55.7 167.1

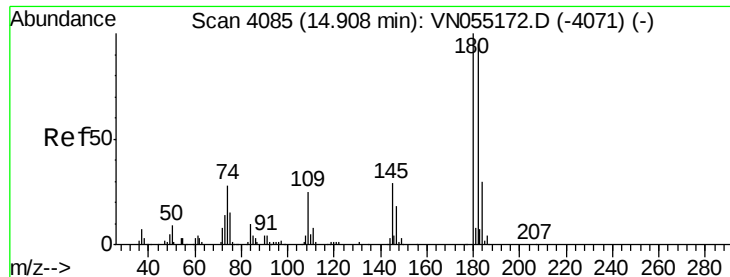


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

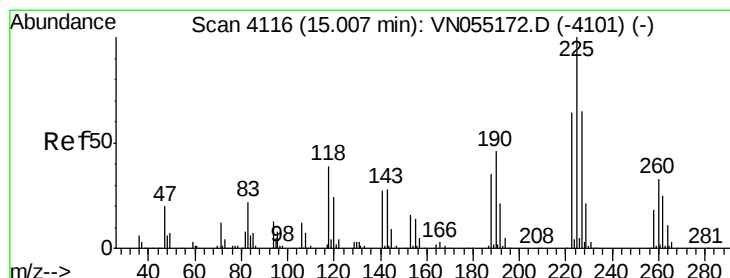
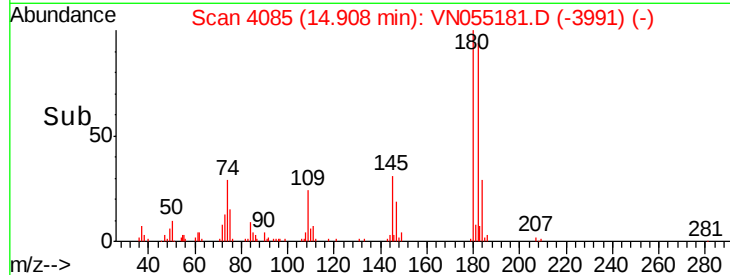
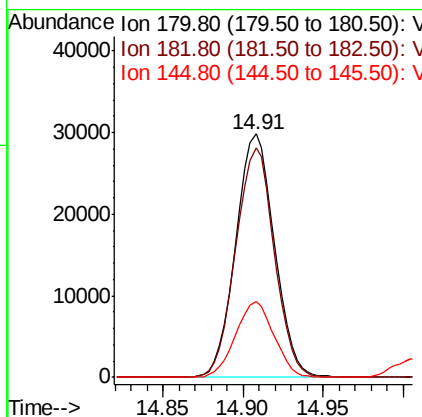
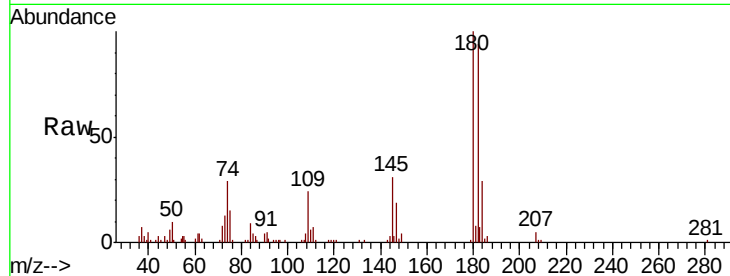




#93
 1,2,4-Trichlorobenzene
 Concen: 17.367 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

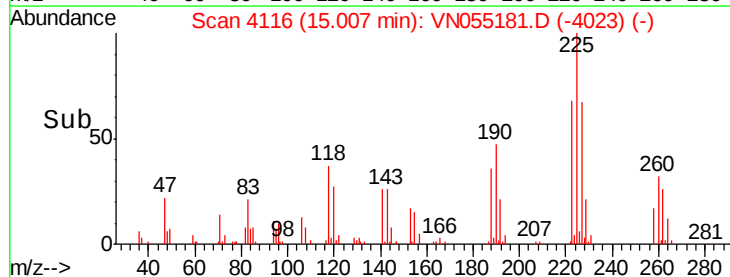
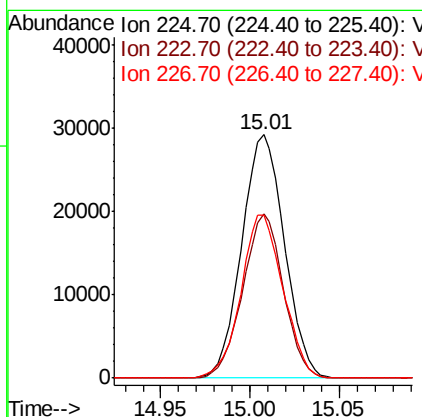
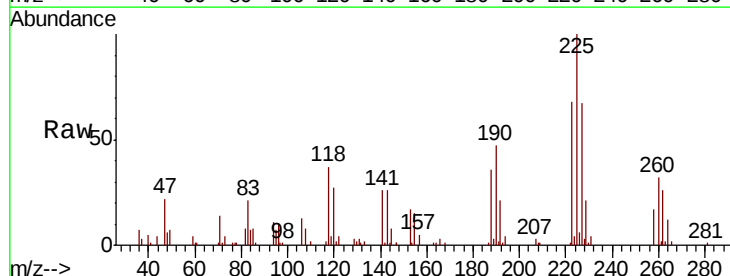
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

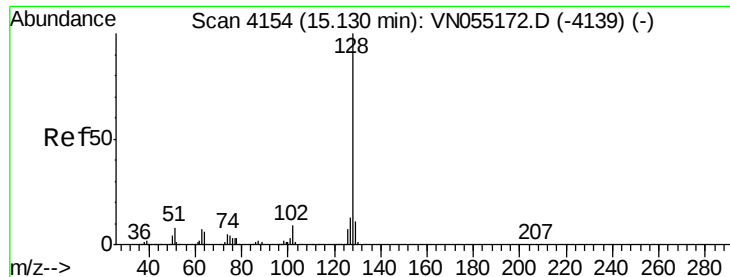
Tot Ion:180 Resp: 49043
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.8 143.4
 145 30.8 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 20.964 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion:225 Resp: 48714
 Ion Ratio Lower Upper
 225 100
 223 64.1 32.2 96.6
 227 65.8 32.6 98.0





#95

Naphthalene

Concen: 17.414 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

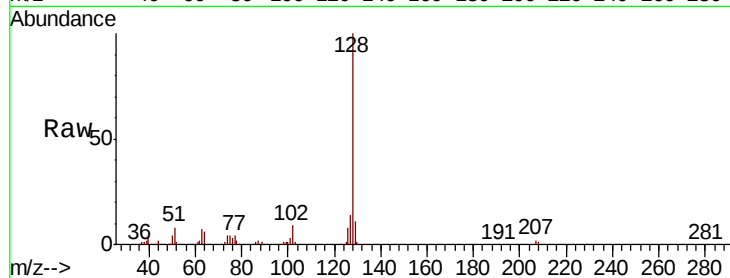
Tot Ion:128 Resp: 104204

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.3 8.8 13.2

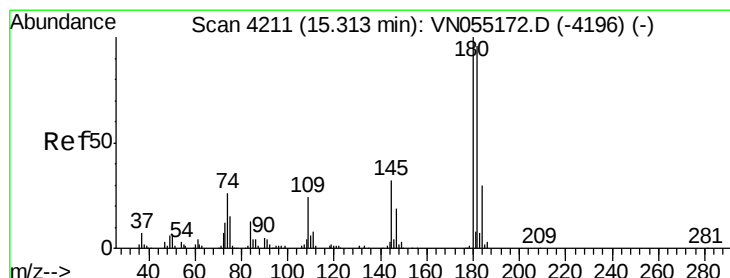
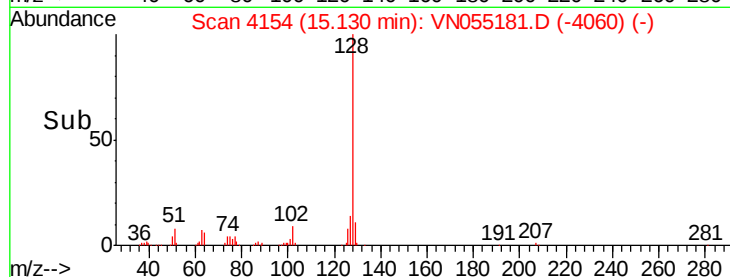
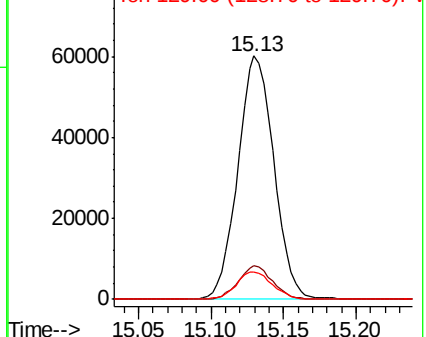


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.994 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

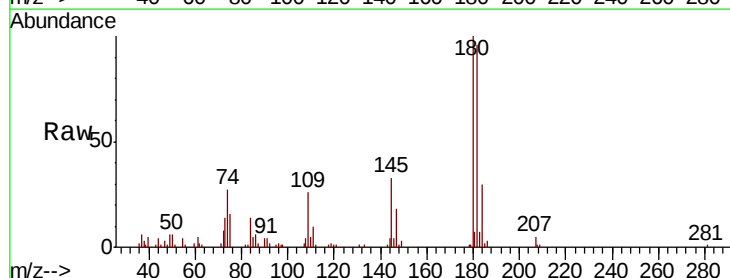
Tgt Ion:180 Resp: 52160

Ion Ratio Lower Upper

180 100

182 97.6 47.2 141.6

145 31.4 15.4 46.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

