

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055002.D
 Acq On : 12 Apr 2019 16:32
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 02:26:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	435652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	625245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542076	94.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.32%	
35) Dibromofluoromethane	7.59	113	438428	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
50) Toluene-d8	10.09	98	1640330	95.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.46%	
62) 4-Bromofluorobenzene	12.40	95	574250	100.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	477186	92.932	ug/l	99
3) Chloromethane	2.06	50	612608	90.493	ug/l	96
4) Vinyl Chloride	2.19	62	504375	85.929	ug/l	100
5) Bromomethane	2.54	94	276142	82.242	ug/l	97
6) Chloroethane	2.70	64	275064	83.735	ug/l	97
7) Trichlorofluoromethane	3.02	101	629382	87.908	ug/l	99
8) Diethyl Ether	3.41	74	200062	87.165	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	324613	85.664	ug/l	99
10) Methyl Iodide	3.94	142	497069	93.077	ug/l	99
11) Tert butyl alcohol	4.82	59	177081	580.455	ug/l	100
12) 1,1-Dichloroethene	3.72	96	313402	83.587	ug/l	98
13) Acrolein	3.61	56	207743	521.307	ug/l	98
14) Allyl chloride	4.31	41	832902	98.898	ug/l	99
15) Acrylonitrile	4.99	53	958965	533.264	ug/l	99
16) Acetone	3.82	43	694993	431.200	ug/l	99
17) Carbon Disulfide	4.04	76	1112140	93.167	ug/l	100
18) Methyl Acetate	4.33	43	440275	100.916	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1230799	99.164	ug/l	98
20) Methylene Chloride	4.54	84	481836	90.635	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	442372	93.444	ug/l	93
22) Diisopropyl ether	5.96	45	1701497	98.009	ug/l	98
23) Vinyl Acetate	5.90	43	6368777	526.585	ug/l	100
24) 1,1-Dichloroethane	5.84	63	878920	93.134	ug/l	99
25) 2-Butanone	6.85	43	1238878	569.836	ug/l	100
26) 2,2-Dichloropropane	6.82	77	596766	90.794	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	513676	95.279	ug/l	100
28) Bromochloromethane	7.19	49	417239	93.632	ug/l	100
29) Tetrahydrofuran	7.22	42	795677	553.564	ug/l	100
30) Chloroform	7.37	83	840723	93.880	ug/l	100
31) Cyclohexane	7.65	56	822387	76.357	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	694389	92.268	ug/l	100
36) 1,1-Dichloropropene	7.79	75	646052	94.439	ug/l	100
37) Ethyl Acetate	6.94	43	521340	108.434	ug/l	100
38) Carbon Tetrachloride	7.77	117	594470	90.290	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	734292	97.418	ug/l	100
40) Benzene	8.04	78	1921352	97.044	ug/l	100
41) Methacrylonitrile	7.17	41	320205	116.827	ug/l	93
42) 1,2-Dichloroethane	8.13	62	660375	94.723	ug/l	99
43) Isopropyl Acetate	8.17	43	891041	110.142	ug/l	99
44) Trichloroethene	8.83	130	489588	96.626	ug/l	98
45) 1,2-Dichloropropane	9.12	63	542426	98.308	ug/l	100
46) Dibromomethane	9.21	93	307069	97.330	ug/l	96
47) Bromodichloromethane	9.40	83	649563	98.777	ug/l	98
48) Methyl methacrylate	9.20	41	449974	110.632	ug/l	100
49) 1,4-Dioxane	9.20	88	100111	2391.223	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2588855	570.483	ug/l	99
52) Toluene	10.16	92	1141646	97.994	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	653208	108.249	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	776073	105.102	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	430598	100.963	ug/l	98
56) Ethyl methacrylate	10.43	69	612833	110.334	ug/l	99
57) 1,3-Dichloropropane	10.71	76	756519	101.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1244838	570.241	ug/l	99
59) 2-Hexanone	10.75	43	1665707	590.174	ug/l	100
60) Dibromochloromethane	10.90	129	470824	106.111	ug/l	99
61) 1,2-Dibromoethane	11.01	107	425289	106.351	ug/l	99
64) Tetrachloroethene	10.63	164	454849	90.852	ug/l	97
65) Chlorobenzene	11.43	112	1205304	95.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	453838	98.432	ug/l	99
67) Ethyl Benzene	11.51	91	2211604	97.476	ug/l	100
68) m/p-Xylenes	11.62	106	1634861	196.920	ug/l	100
69) o-Xylene	11.95	106	795234	98.365	ug/l	100
70) Styrene	11.96	104	1344089	103.506	ug/l	98
71) Bromoform	12.13	173	308563	110.567	ug/l #	99
73) Isopropylbenzene	12.25	105	2117401	88.621	ug/l	98
74) N-amyl acetate	12.07	43	729572	109.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	549869	92.321	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	662753	128.862	ug/l #	100
77) Bromobenzene	12.53	156	531616	91.756	ug/l	100
78) n-propylbenzene	12.59	91	2409334	91.497	ug/l	100
79) 2-Chlorotoluene	12.67	91	1448582	88.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1788695	91.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	138156	112.586	ug/l	91
82) 4-Chlorotoluene	12.77	91	1453347	94.166	ug/l	99
83) tert-Butylbenzene	12.99	119	1494690	89.370	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1759682	92.827	ug/l	99
85) sec-Butylbenzene	13.17	105	1958642	90.536	ug/l	100
86) p-Isopropyltoluene	13.29	119	1759049	94.461	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	917089	95.484	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	884662	96.626	ug/l	100
89) n-Butylbenzene	13.61	91	1506769	101.958	ug/l	100
90) Hexachloroethane	13.87	117	293231	94.670	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	887310	93.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84817	102.330	ug/l	95

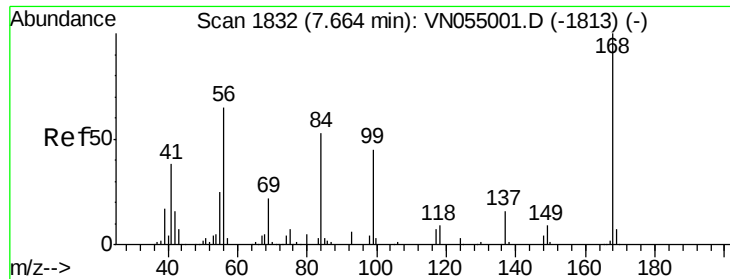
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	474840	114.175	ug/l	100
94) Hexachlorobutadiene	15.01	225	276545	87.254	ug/l	100
95) Naphthalene	15.13	128	1108322	120.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	467278	108.140	ug/l	100

(#) = 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: VN055002.D

Acq: 12 Apr 2019 16:32

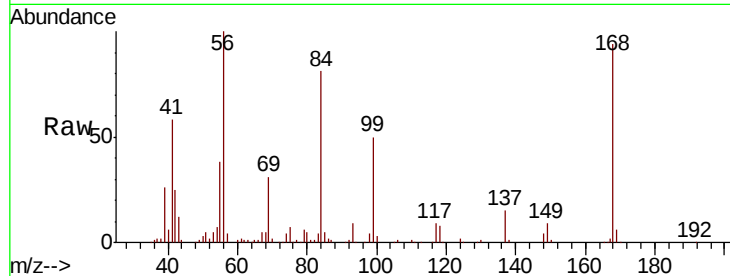
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 435652

Ion Ratio Lower Upper

168 100

99 52.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

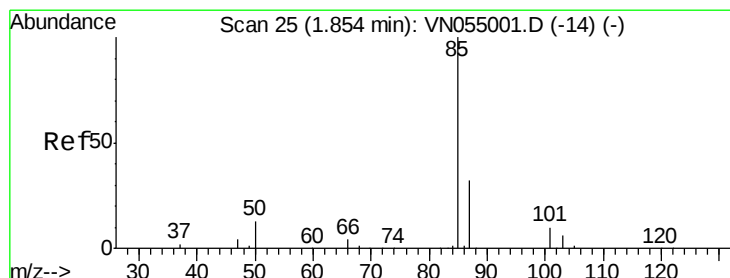
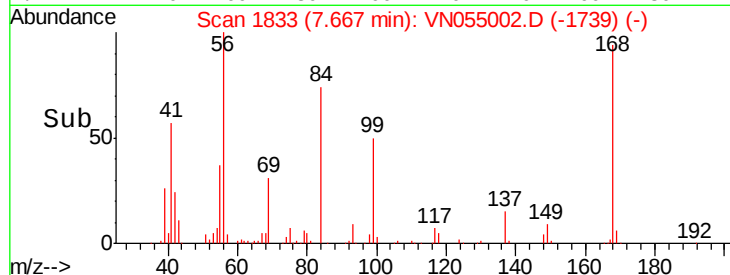
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 92.932 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055002.D

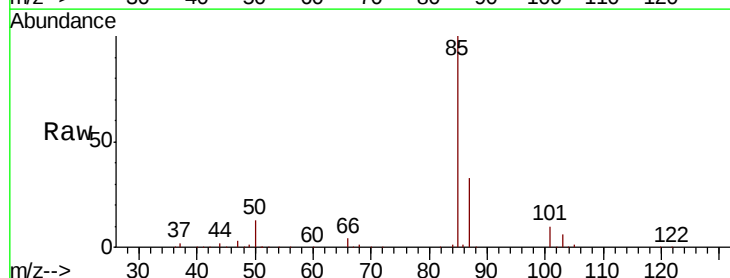
Acq: 12 Apr 2019 16:32

Tgt Ion: 85 Resp: 477186

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

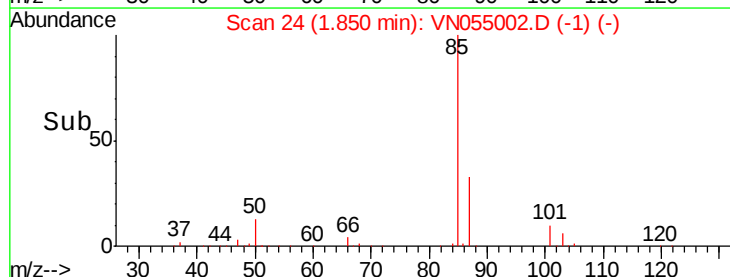
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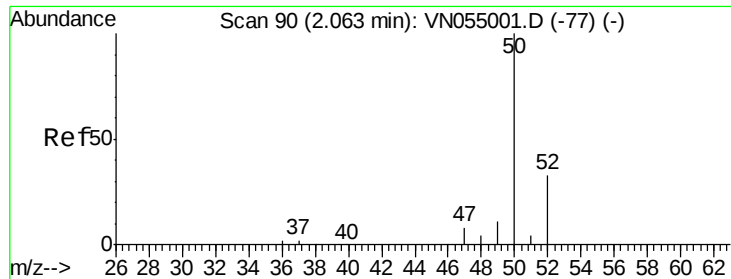
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Time-->

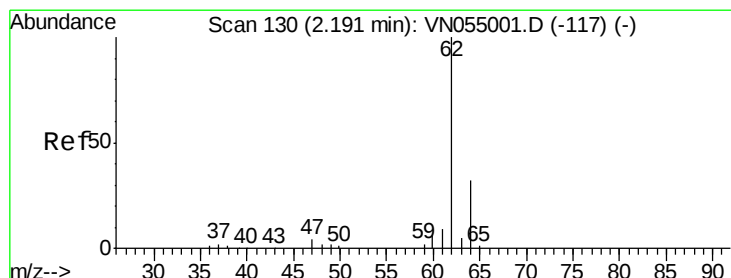
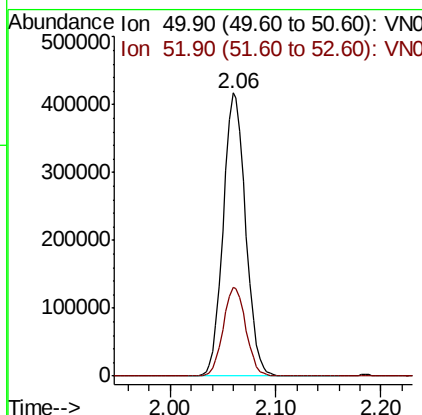
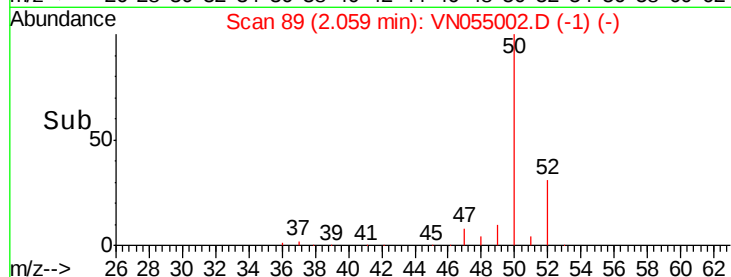
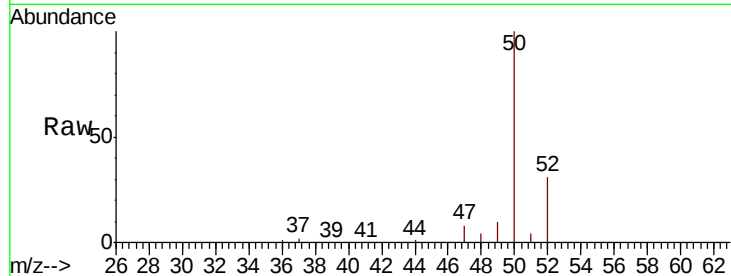




#3
 Chloromethane
 Concen: 90.493 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

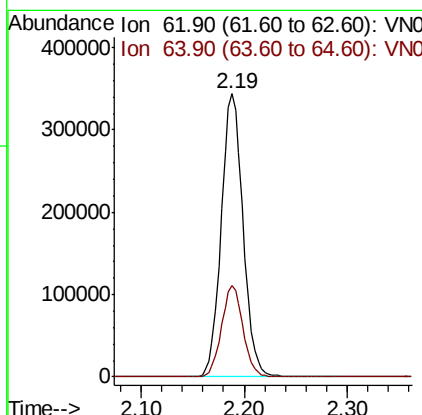
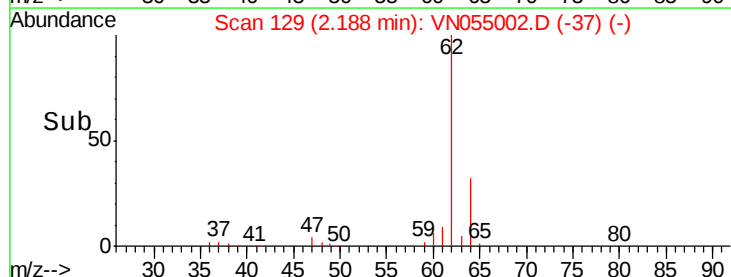
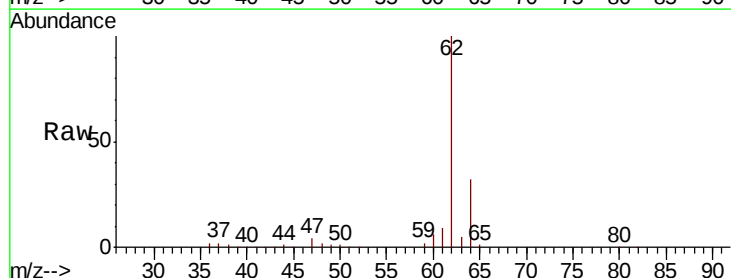
Instrument :
 MSVOA_N
 ClientSampleId :

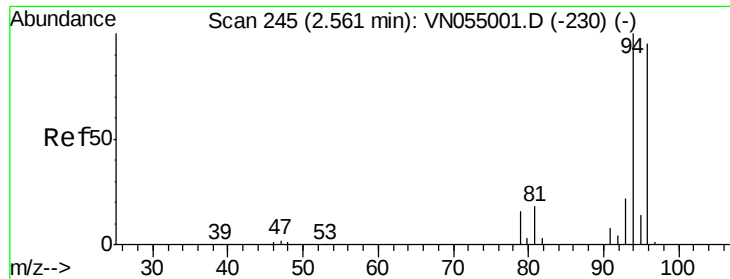
Tot Ion: 50 Resp: 612608
 Ion Ratio Lower Upper
 50 100
 52 31.3 26.6 40.0



#4
 Vinyl Chloride
 Concen: 85.929 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 62 Resp: 504375
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.8 38.6

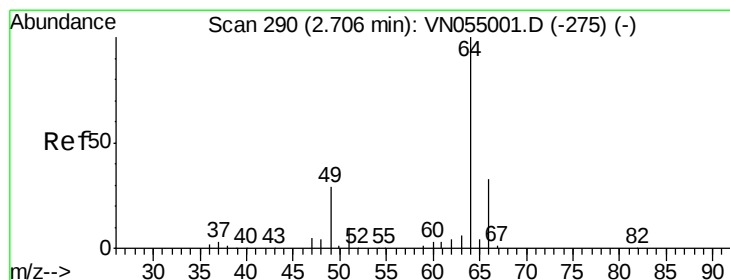
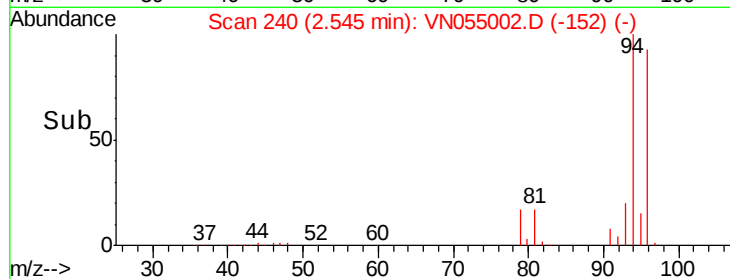
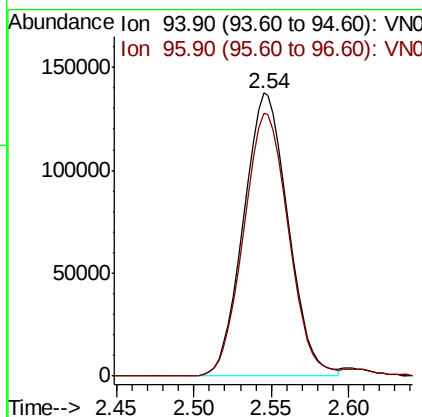
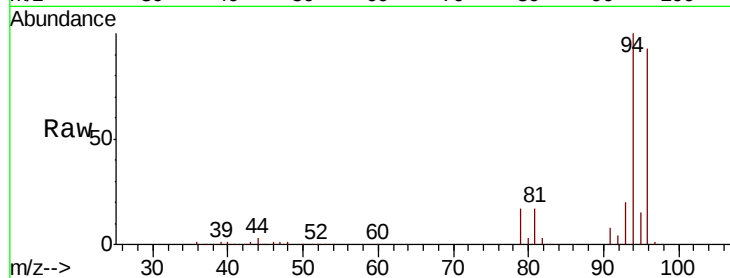




#5
Bromomethane
Concen: 82.242 ug/l
RT: 2.54 min Scan# 240
Delta R.T. -0.02 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

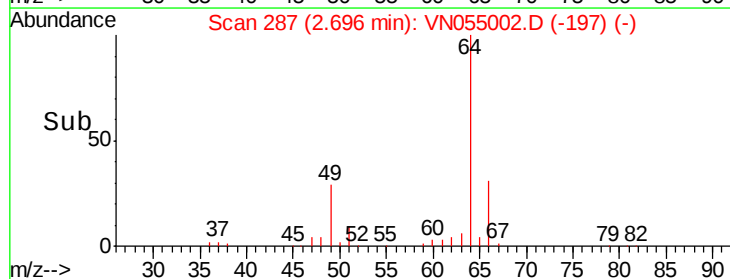
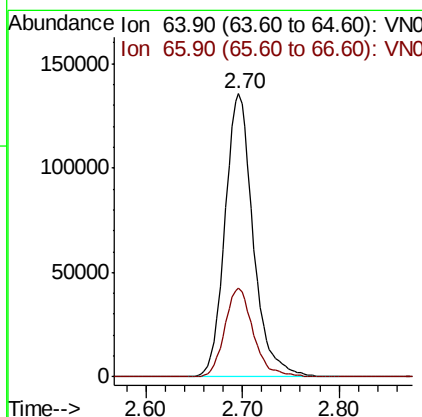
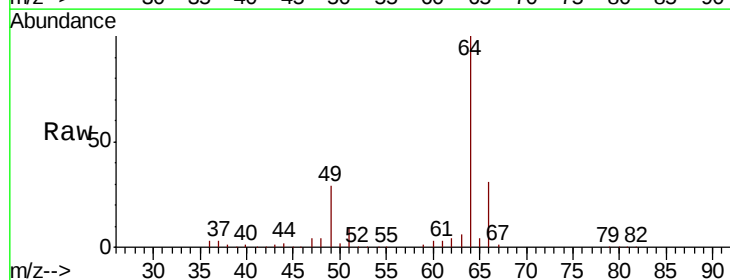
Instrument :
MSVOA_N
ClientSampled :

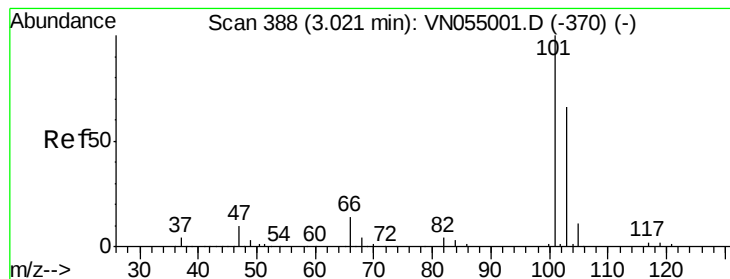
Tot Ion: 94 Resp: 276142
Ion Ratio Lower Upper
94 100
96 92.8 76.2 114.4



#6
Chloroethane
Concen: 83.735 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.01 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 64 Resp: 275064
Ion Ratio Lower Upper
64 100
66 31.3 26.6 40.0



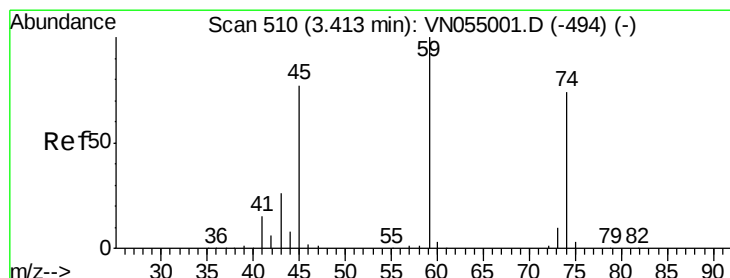
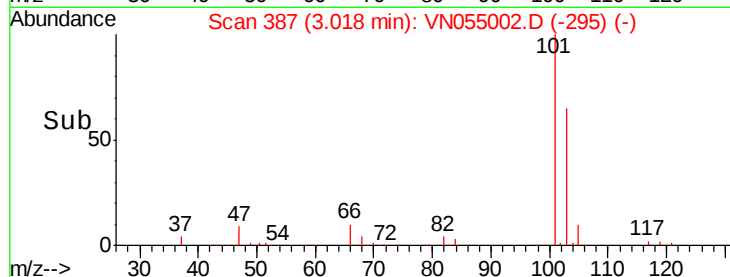
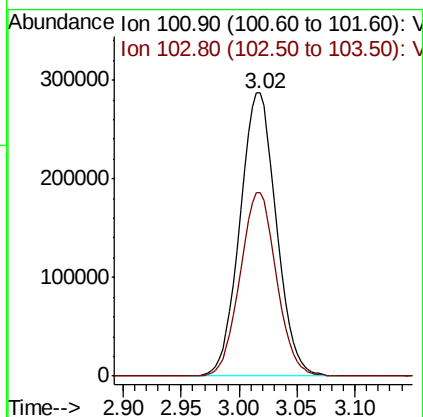
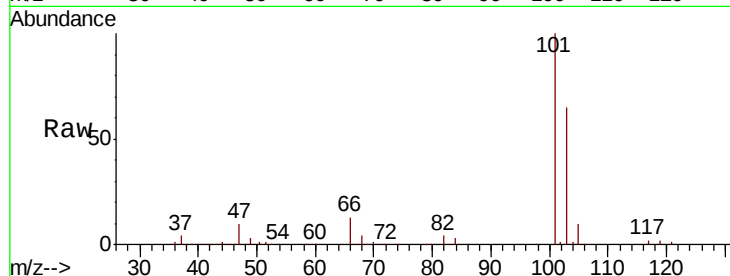


#7

Trichlorofluoromethane
 Concen: 87.908 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :

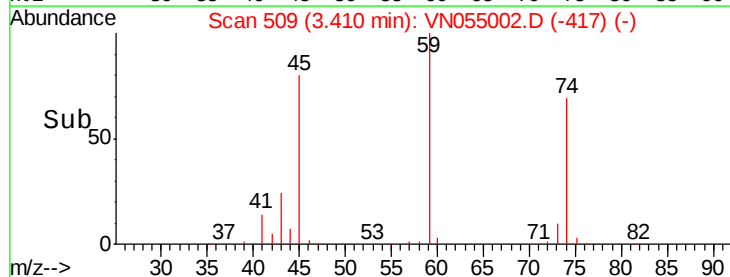
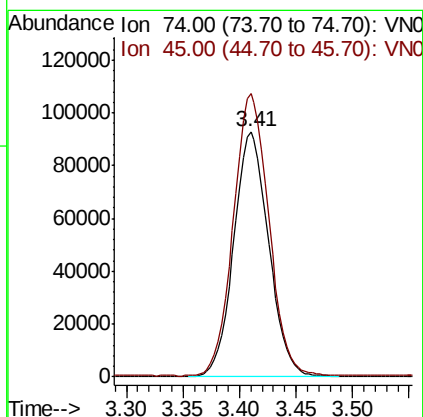
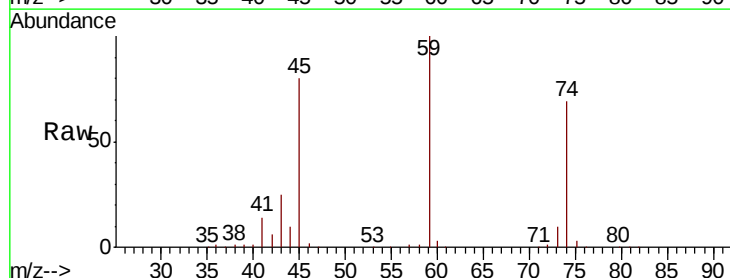
Tot Ion:101 Resp: 629382
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7

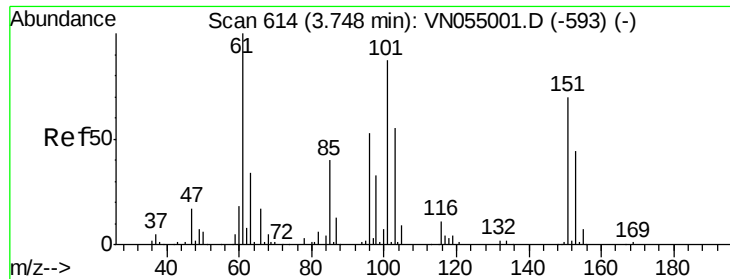


#8

Diethyl Ether
 Concen: 87.165 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 74 Resp: 200062
 Ion Ratio Lower Upper
 74 100
 45 116.6 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.664 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

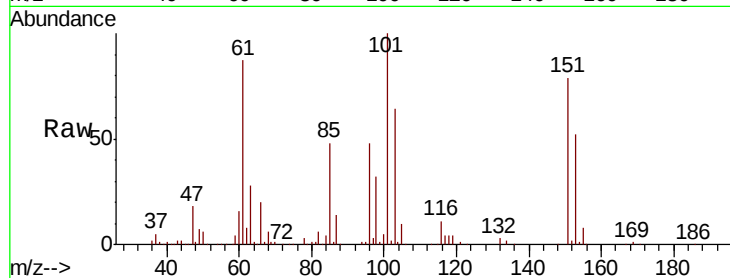
Tot Ion:101 Resp: 324613

Ion Ratio Lower Upper

101 100

85 45.9 36.9 55.3

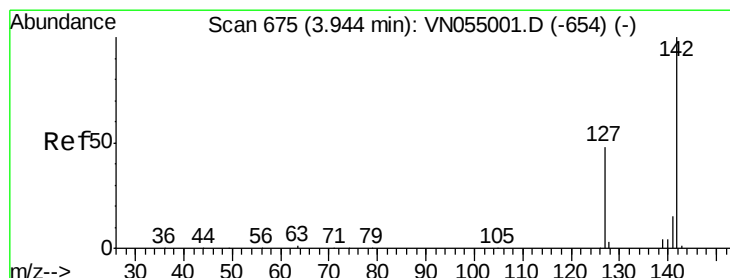
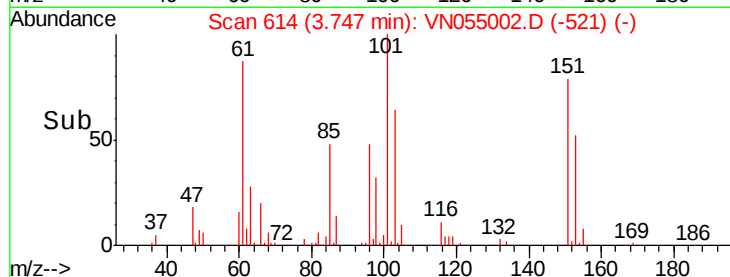
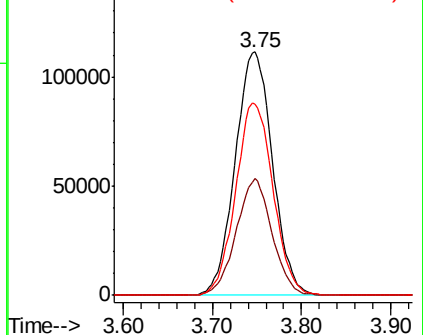
151 79.1 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 93.077 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

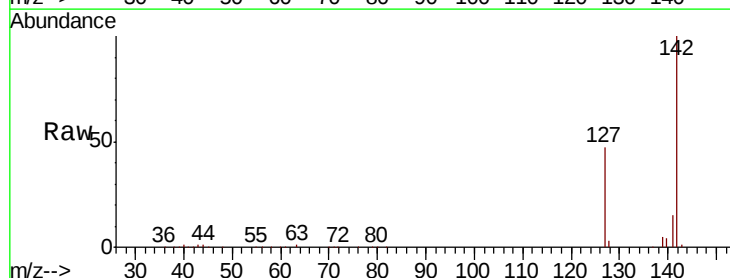
Tgt Ion:142 Resp: 497069

Ion Ratio Lower Upper

142 100

127 47.9 37.9 56.9

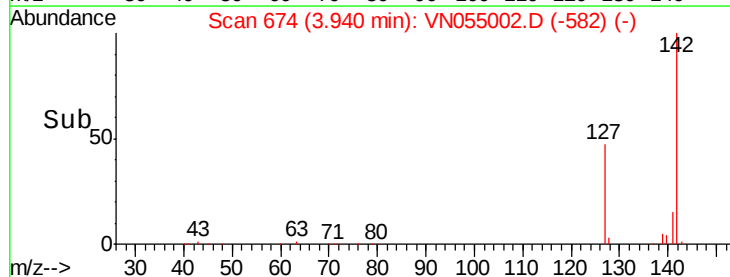
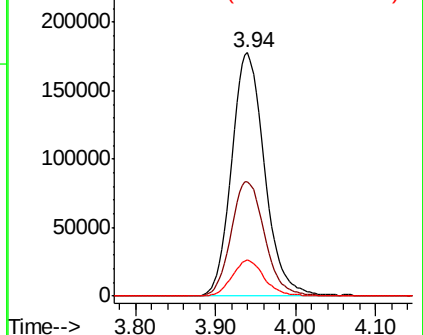
141 14.6 11.8 17.8

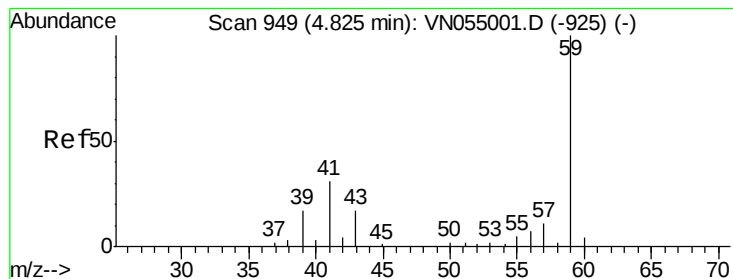


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 580.455 ug/l

RT: 4.82 min Scan# 949

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

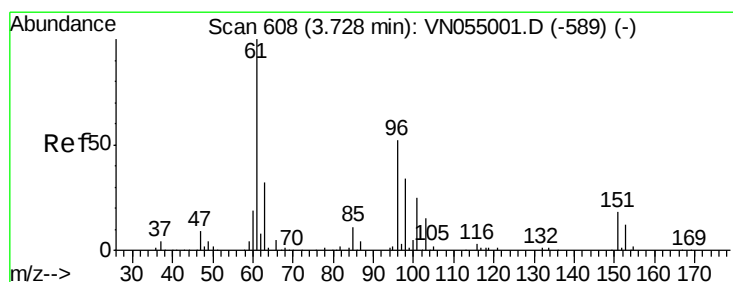
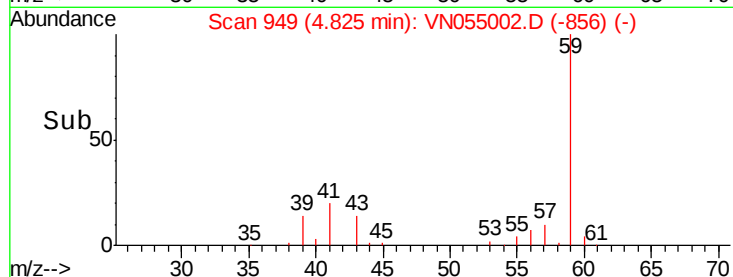
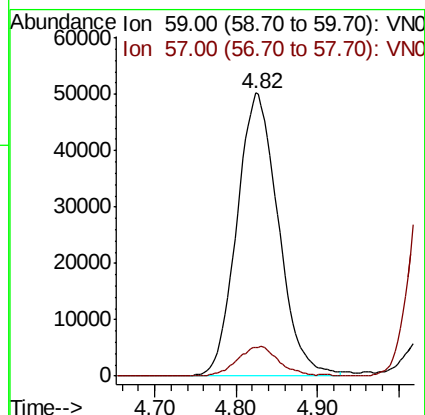
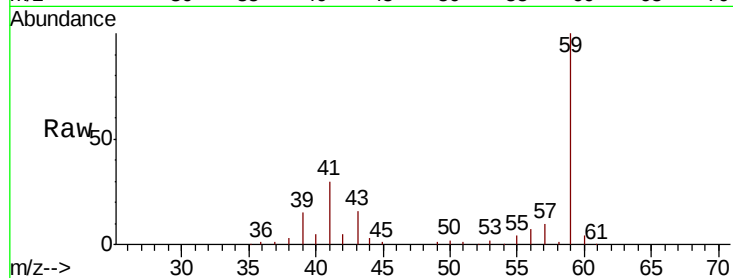
ClientSampled :

Tot Ion: 59 Resp: 177081

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#12

1,1-Dichloroethene

Concen: 83.587 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

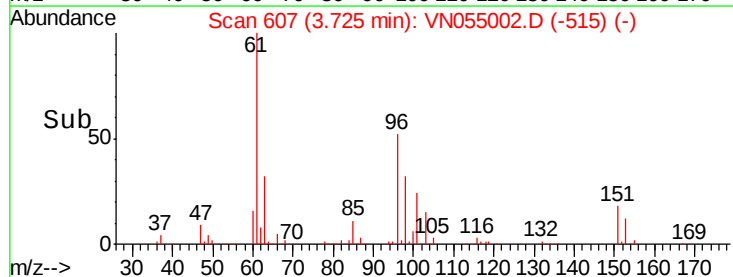
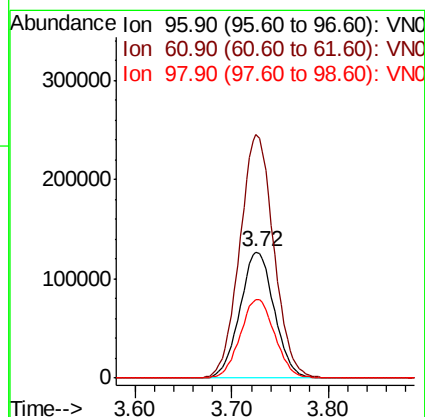
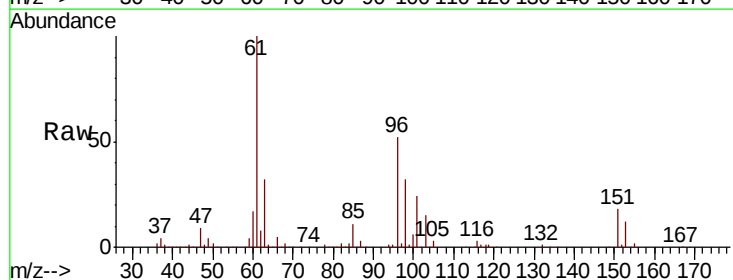
Tgt Ion: 96 Resp: 313402

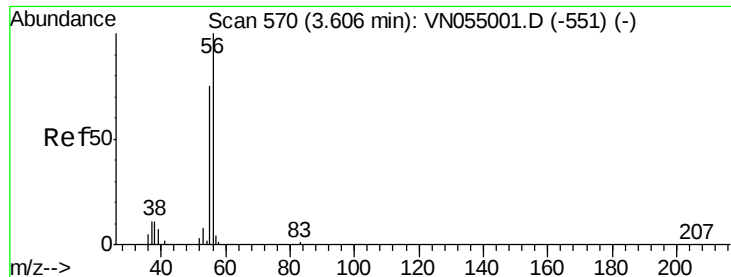
Ion Ratio Lower Upper

96 100

61 193.2 154.2 231.4

98 62.0 52.9 79.3





#13

Acrolein

Concen: 521.307 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

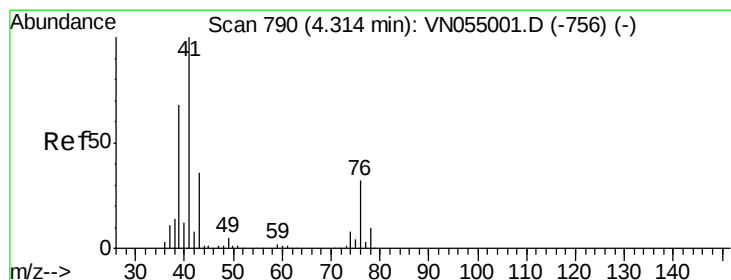
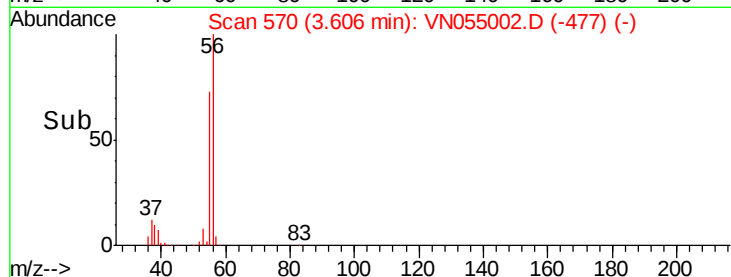
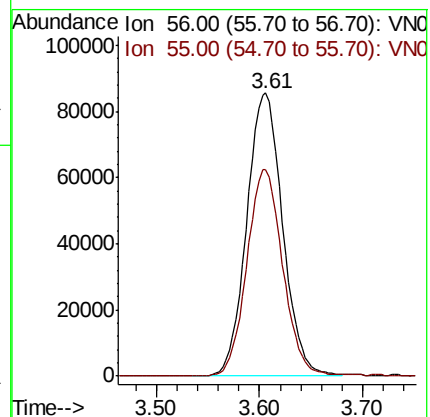
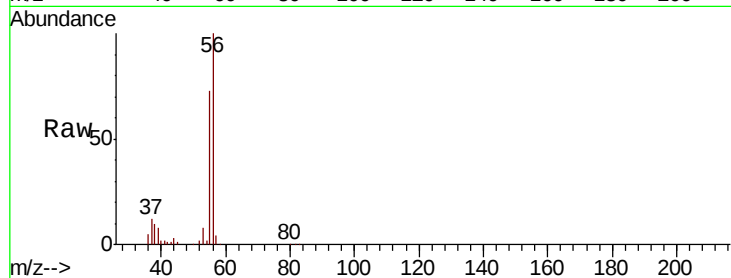
ClientSampleId :

Tot Ion: 56 Resp: 207743

Ion Ratio Lower Upper

56 100

55 72.6 59.5 89.3



#14

Allyl chloride

Concen: 98.898 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

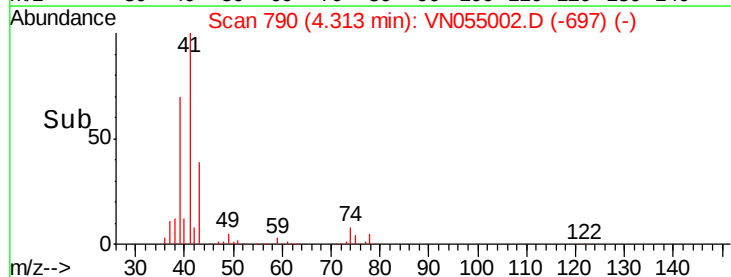
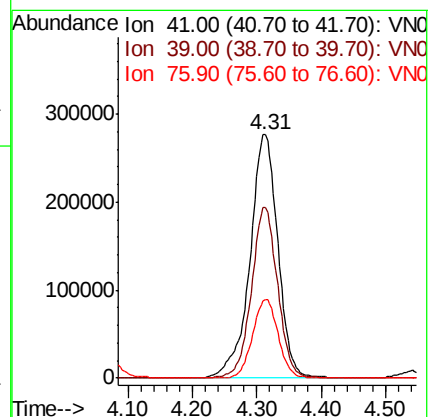
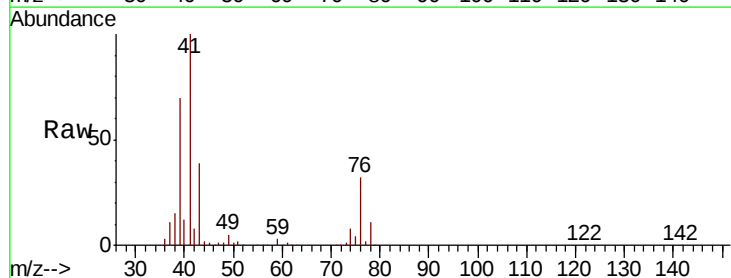
Tgt Ion: 41 Resp: 832902

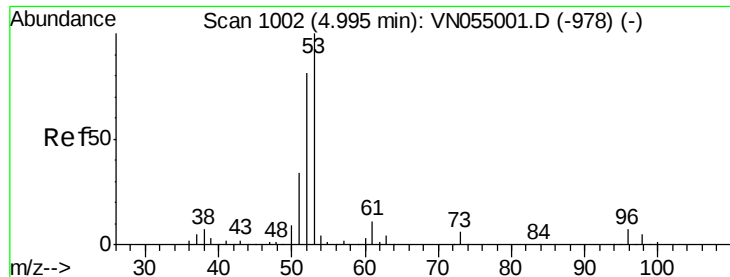
Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

76 29.4 23.2 34.8





#15

Acrylonitrile

Concen: 533.264 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

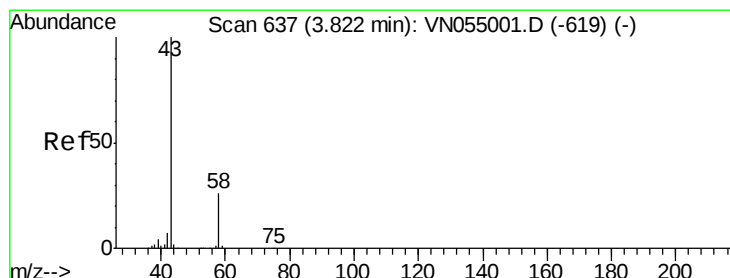
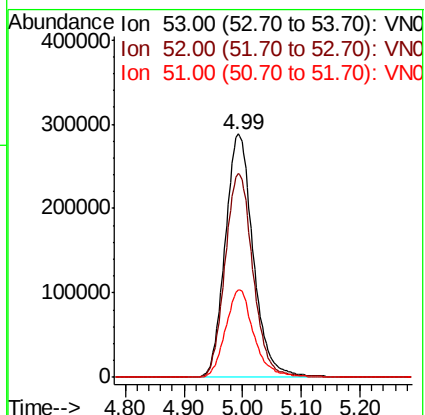
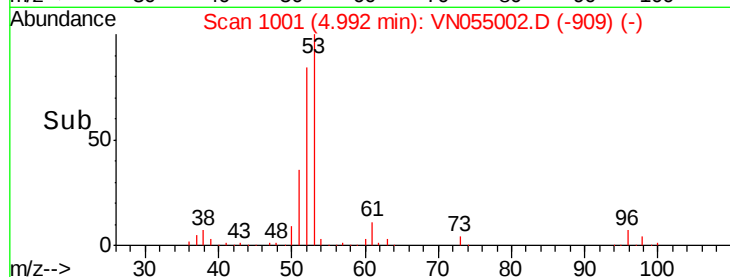
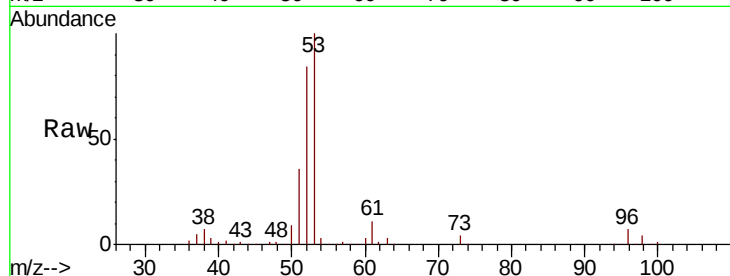
Tot Ion: 53 Resp: 958965

Ion Ratio Lower Upper

53 100

52 83.5 65.9 98.9

51 36.3 29.7 44.5



#16

Acetone

Concen: 431.200 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055002.D

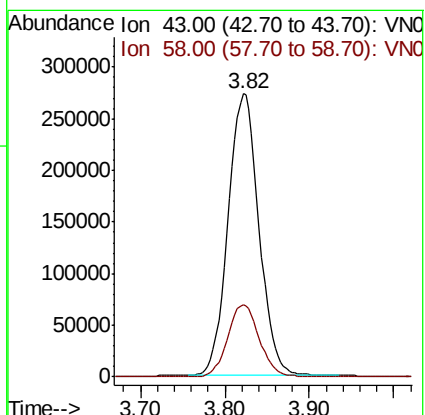
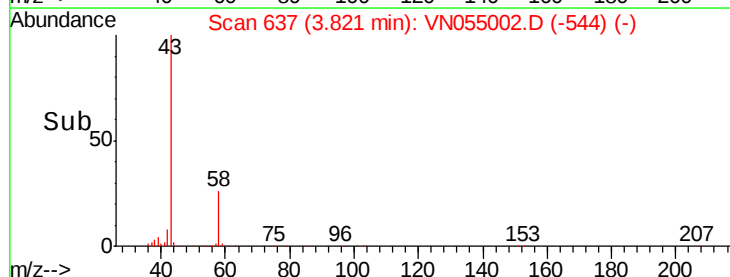
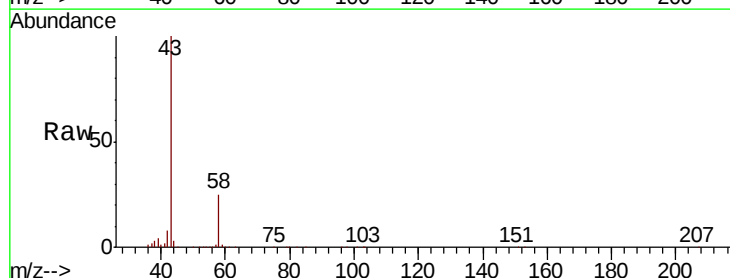
Acq: 12 Apr 2019 16:32

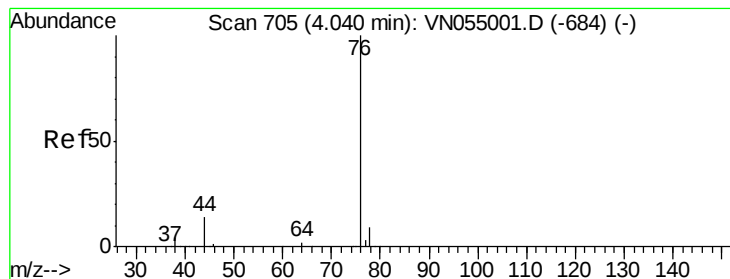
Tgt Ion: 43 Resp: 694993

Ion Ratio Lower Upper

43 100

58 25.5 20.9 31.3





#17

Carbon Disulfide

Concen: 93.167 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

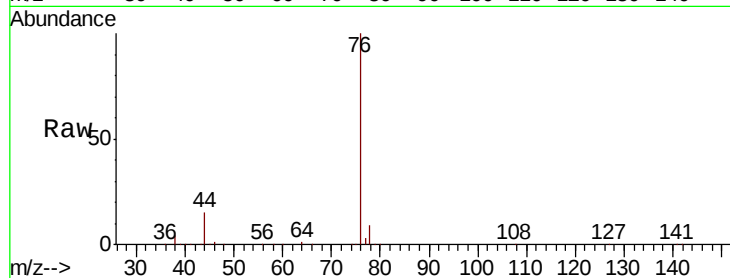
ClientSampleId :

Tot Ion: 76 Resp: 1112140

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-684) (-)

4.04

400000

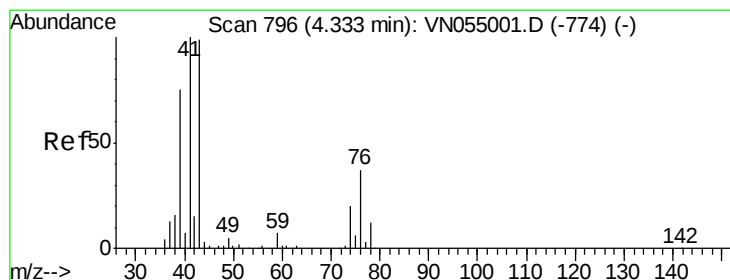
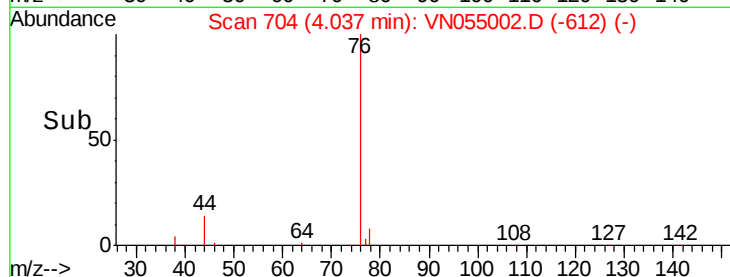
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 100.916 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055002.D

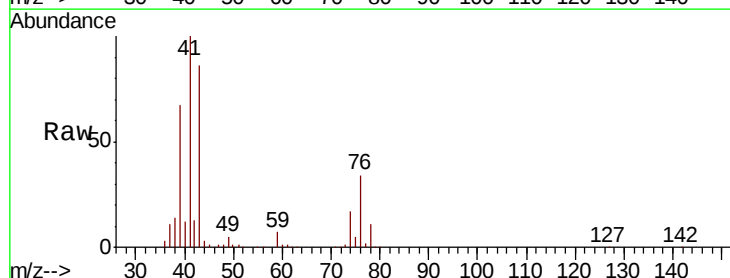
Acq: 12 Apr 2019 16:32

Tgt Ion: 43 Resp: 440275

Ion Ratio Lower Upper

43 100

74 20.5 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN055001.D (-774) (-)

4.33

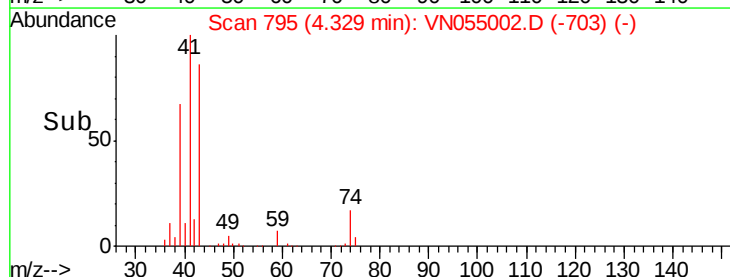
150000

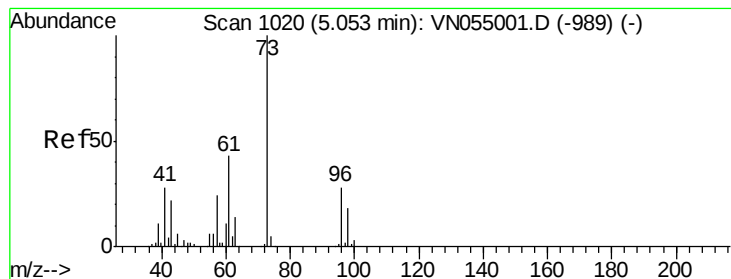
100000

50000

0

Time-->



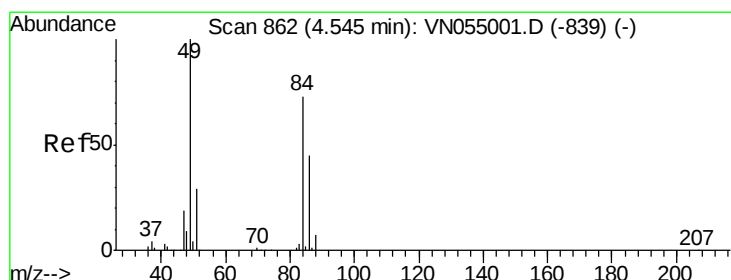
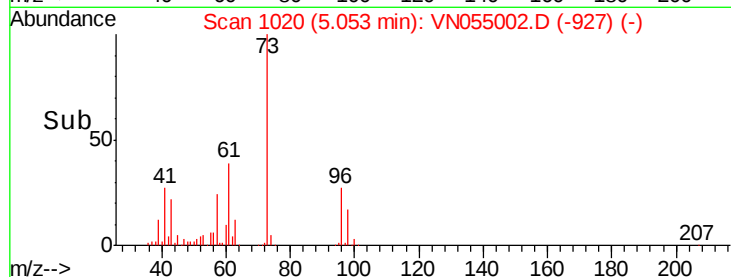
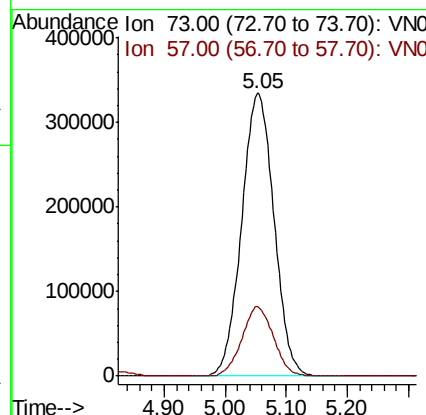
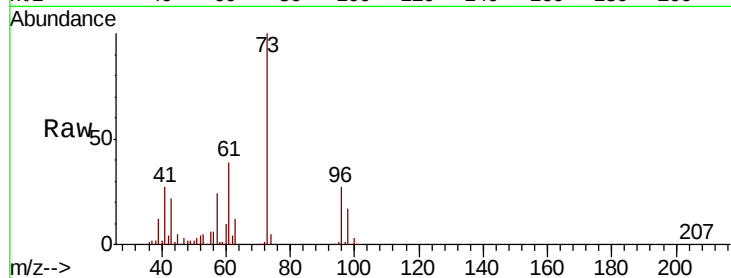


#19

Methyl tert-butyl Ether
 Concen: 99.164 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Instrument :
 MSVOA_N
 ClientSampled :

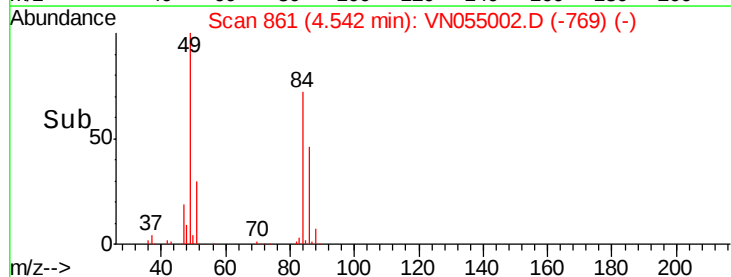
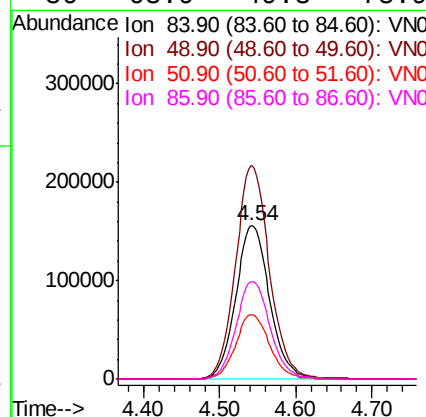
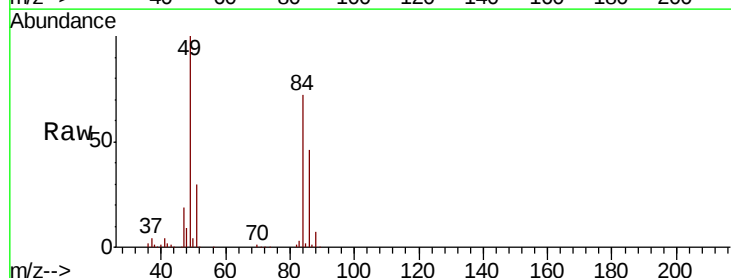
Tot Ion: 73 Resp: 1230799
 Ion Ratio Lower Upper
 73 100
 57 24.5 19.0 28.4

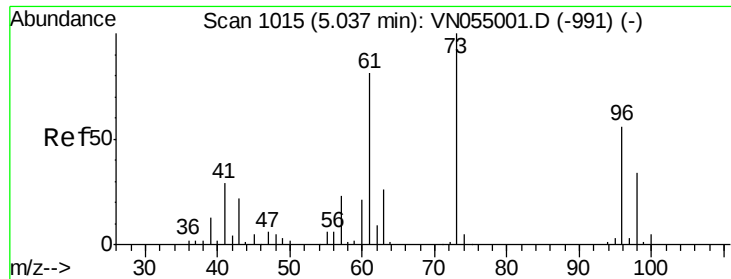


#20

Methylene Chloride
 Concen: 90.635 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 84 Resp: 481836
 Ion Ratio Lower Upper
 84 100
 49 139.2 109.4 164.2
 51 41.8 32.2 48.4
 86 63.9 49.3 73.9



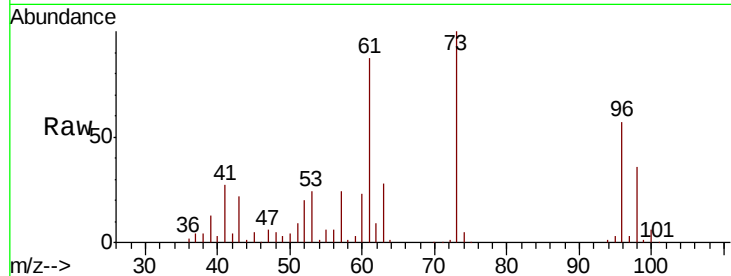


#21

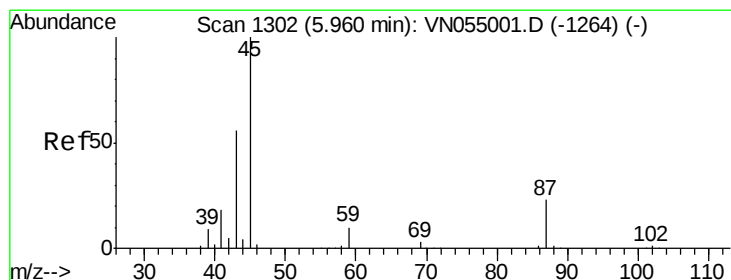
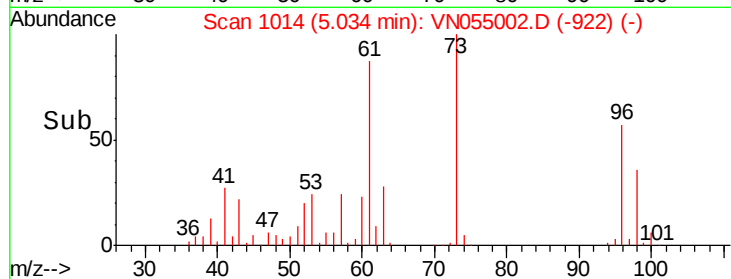
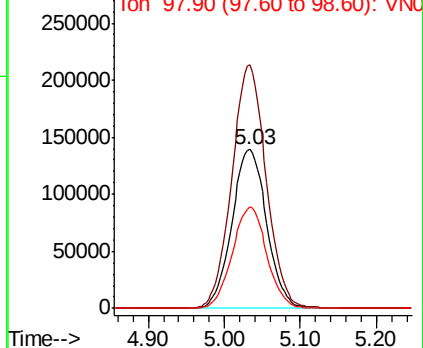
trans-1,2-Dichloroethene
Concen: 93.444 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 442372
Ion Ratio Lower Upper
96 100
61 152.9 114.9 172.3
98 63.7 48.4 72.6



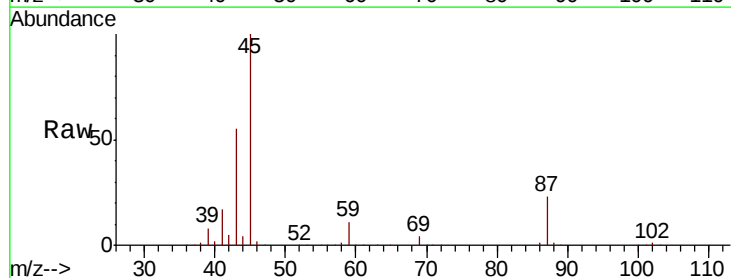
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



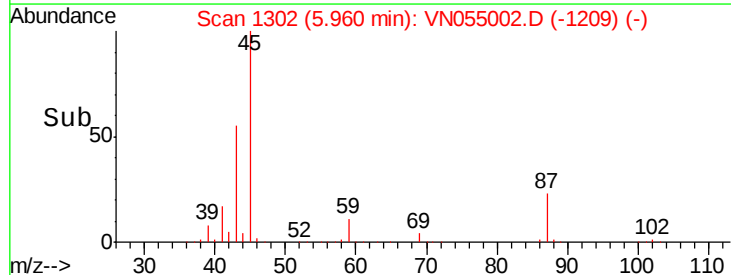
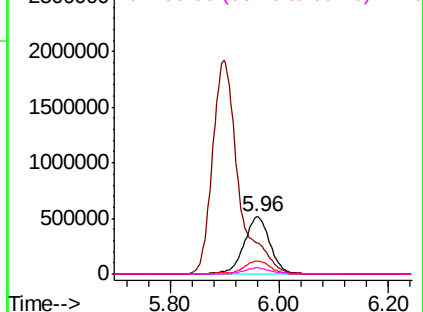
#22

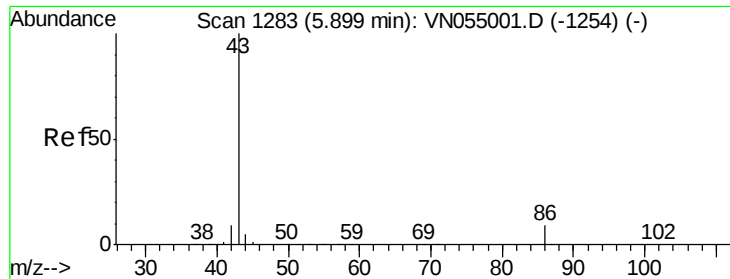
Diisopropyl ether
Concen: 98.009 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 45 Resp: 1701497
Ion Ratio Lower Upper
45 100
43 54.5 44.8 67.2
87 23.2 18.9 28.3
59 10.5 7.9 11.9



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: 526.585 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

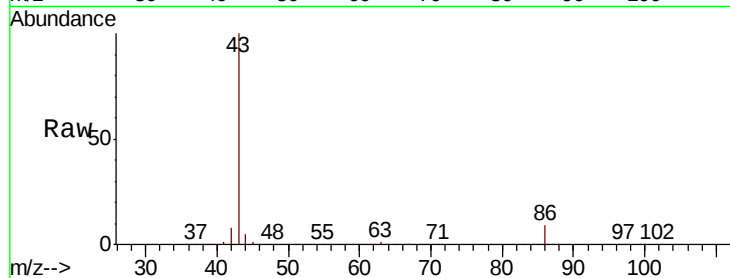
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 6368777

Ion Ratio Lower Upper

43 100

86 8.5 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)

5.90

2000000

1500000

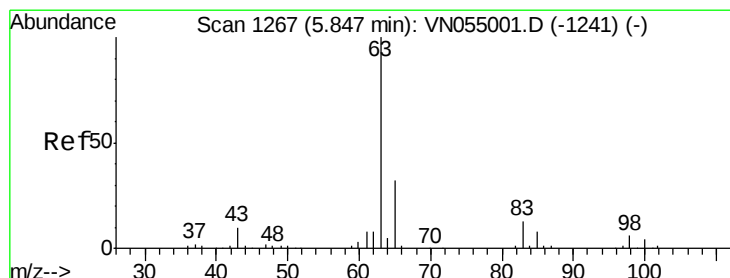
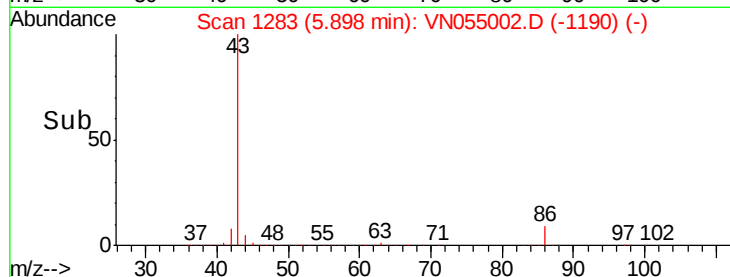
1000000

500000

0

5.80 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 93.134 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

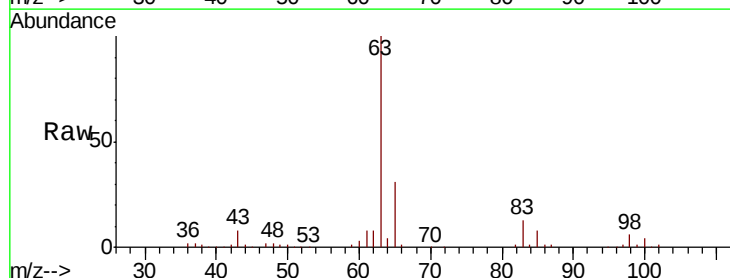
Tgt Ion: 63 Resp: 878920

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)

5.84

300000

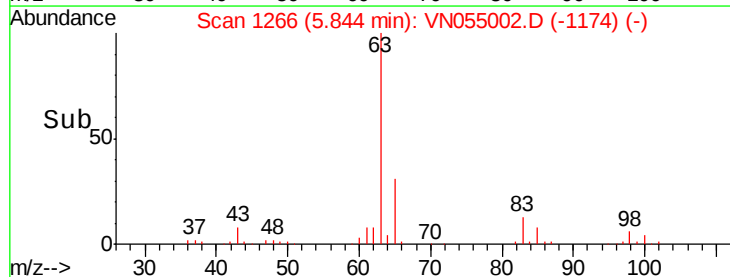
200000

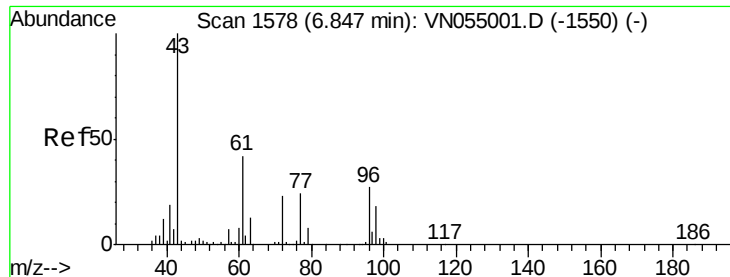
100000

0

5.70 5.80 5.90 6.00

Time-->

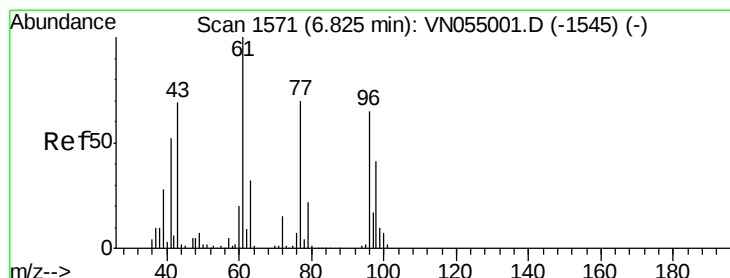
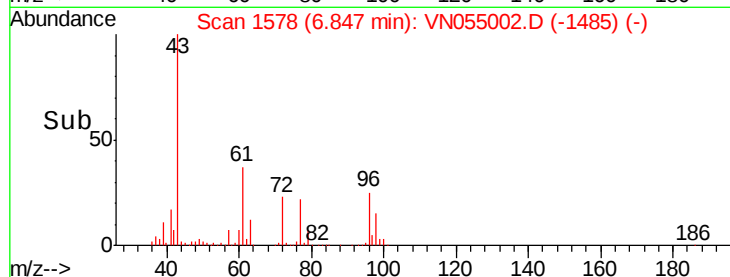
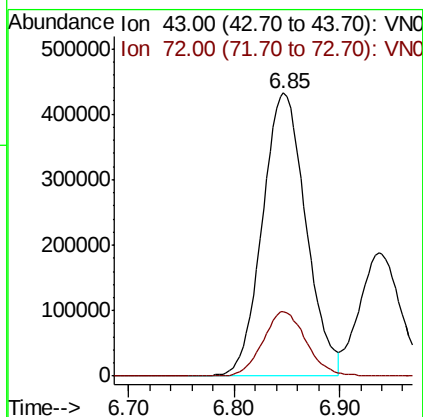
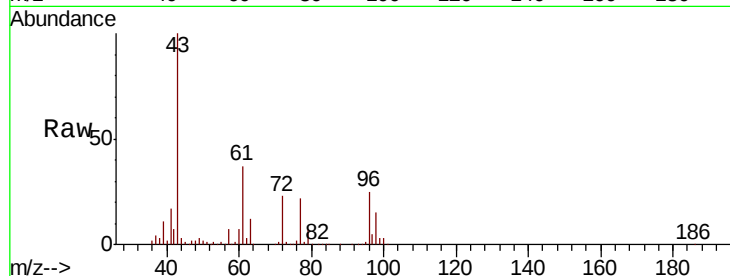




#25
 2-Butanone
 Concen: 569.836 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

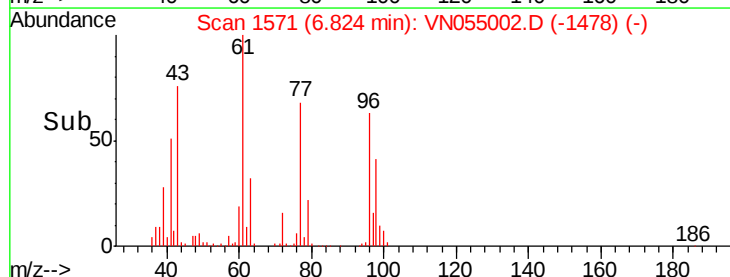
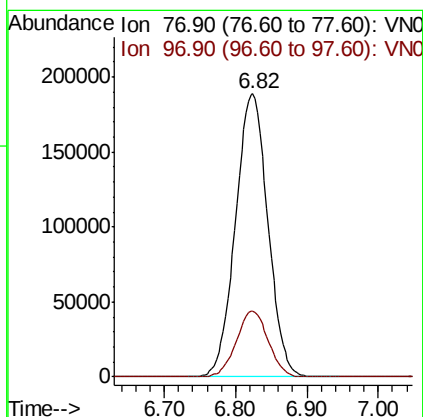
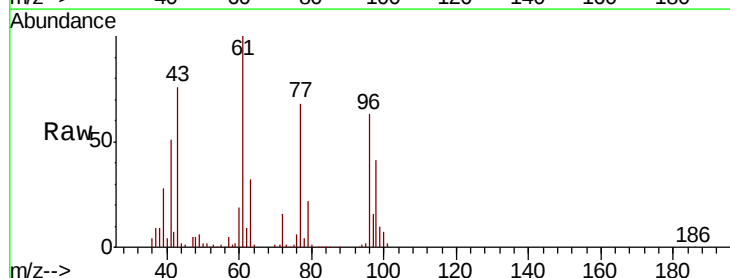
Instrument :
 MSVOA_N
 ClientSampled :

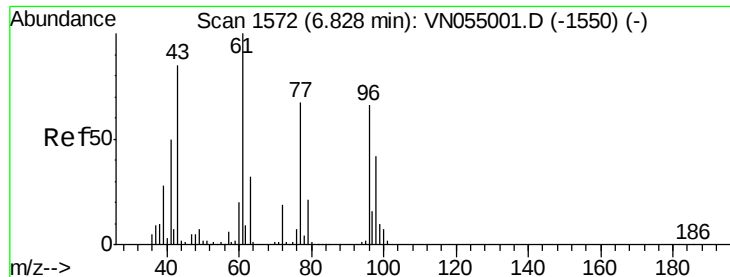
Tot Ion: 43 Resp: 1238878
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.1 27.1



#26
 2,2-Dichloropropane
 Concen: 90.794 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 77 Resp: 596766
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 95.279 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_N
ClientSampled :

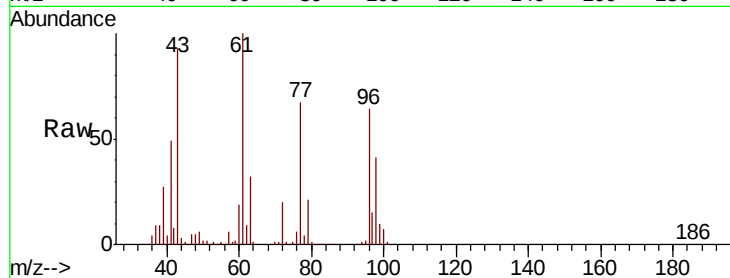
Tot Ion: 96 Resp: 513676

Ion Ratio Lower Upper

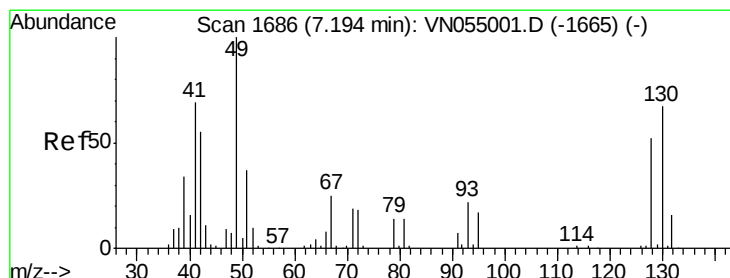
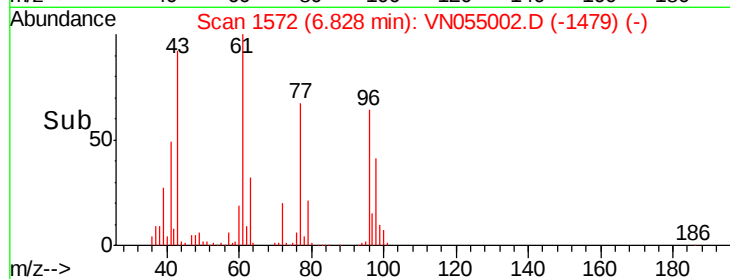
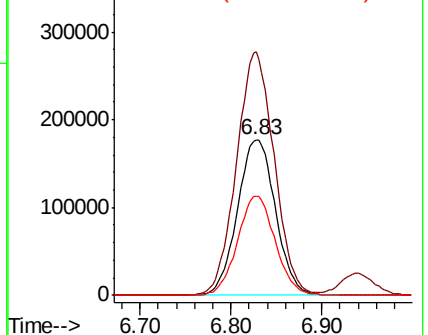
96 100

61 155.4 0.0 311.0

98 63.3 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: 93.632 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

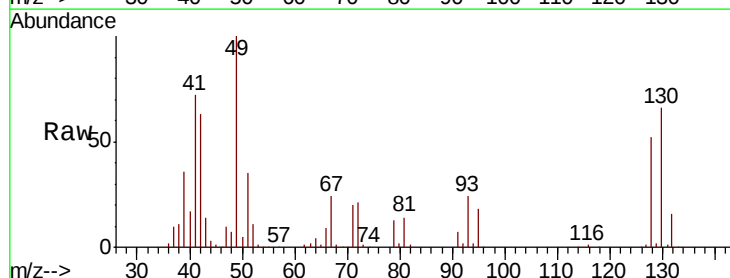
Tgt Ion: 49 Resp: 417239

Ion Ratio Lower Upper

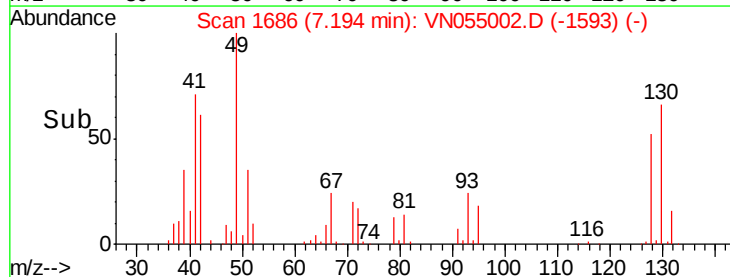
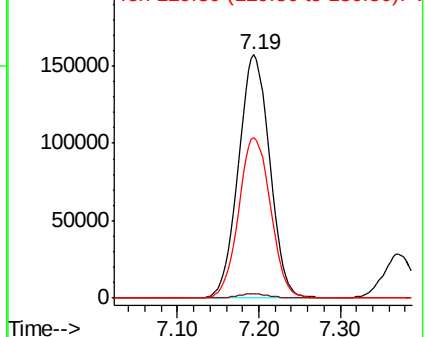
49 100

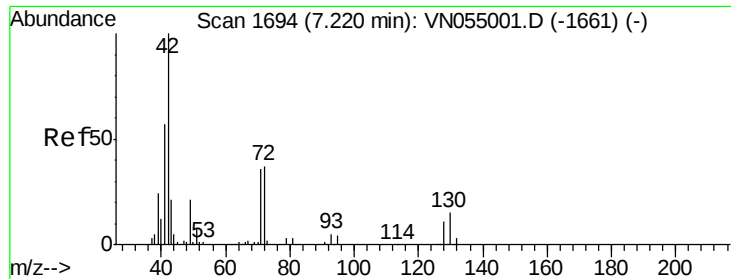
129 1.8 0.0 2.0

130 67.0 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

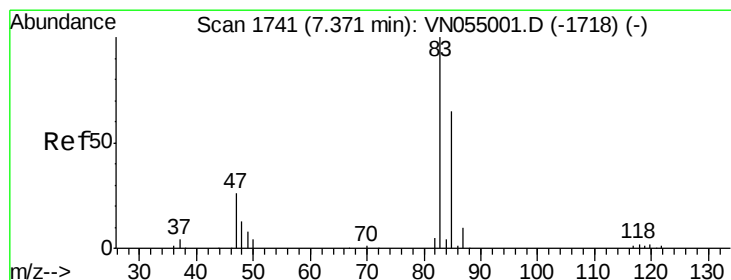
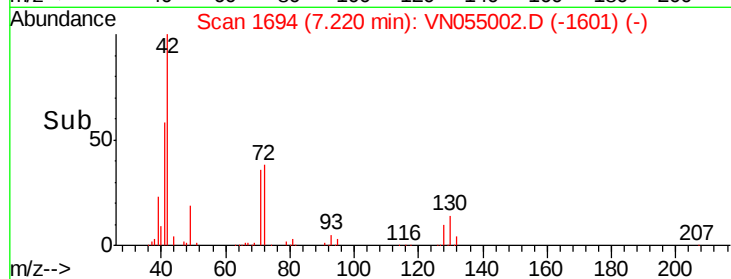
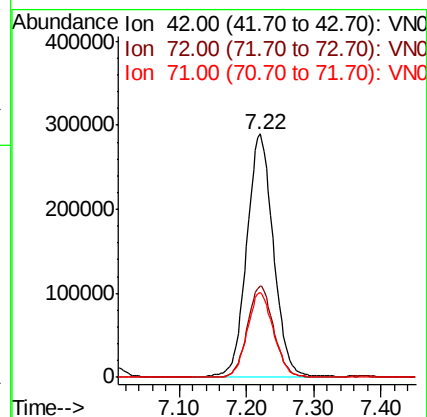
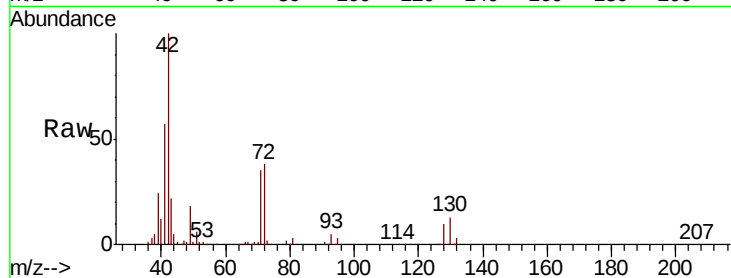




#29
Tetrahydrofuran
Concen: 553.564 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

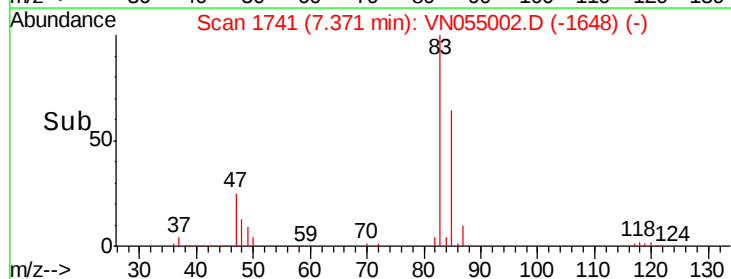
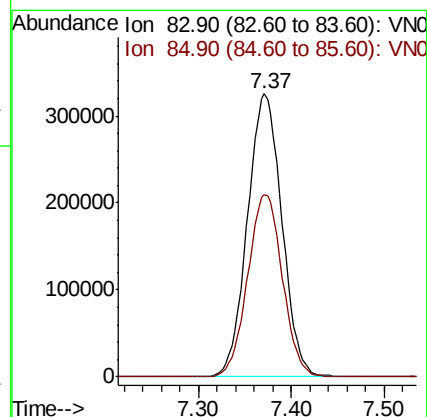
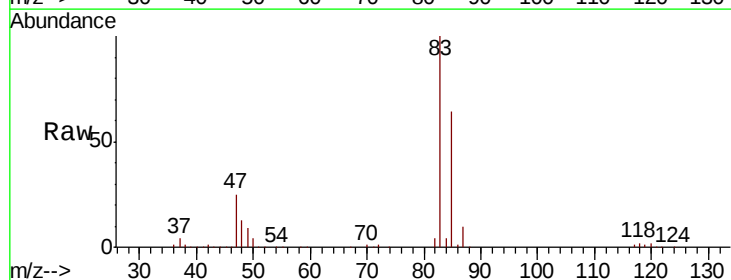
Instrument :
MSVOA_N
ClientSampleId :

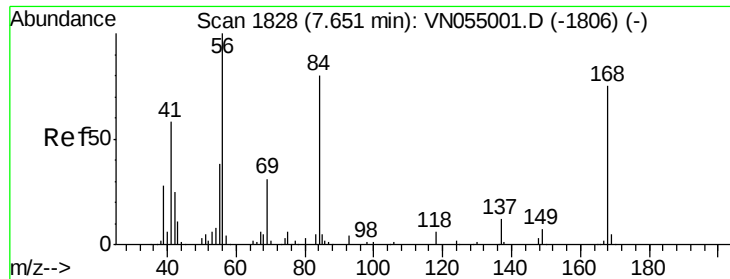
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.4	44.0
71	34.6	27.8	41.6



#30
Chloroform
Concen: 93.880 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6

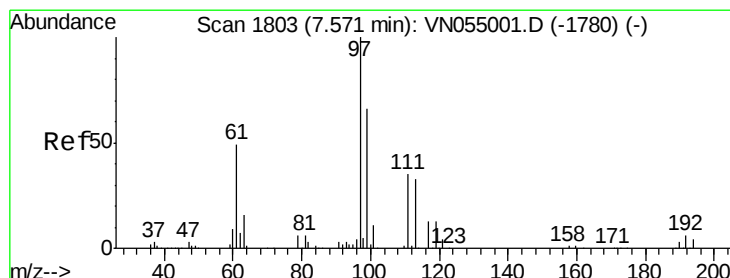
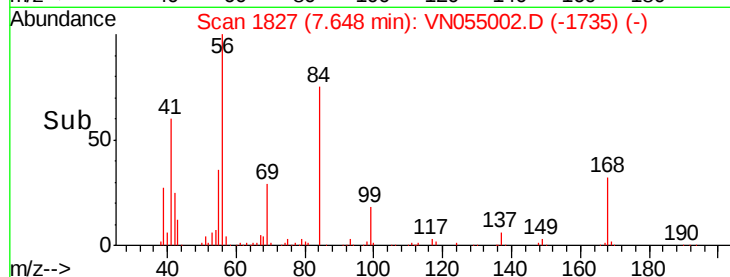
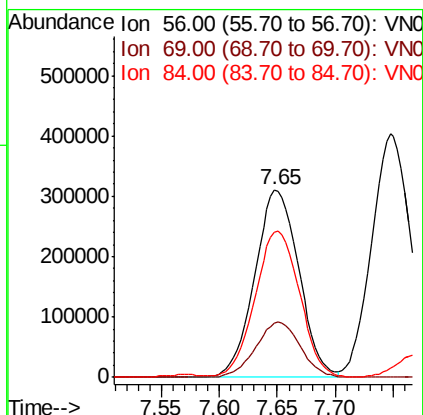
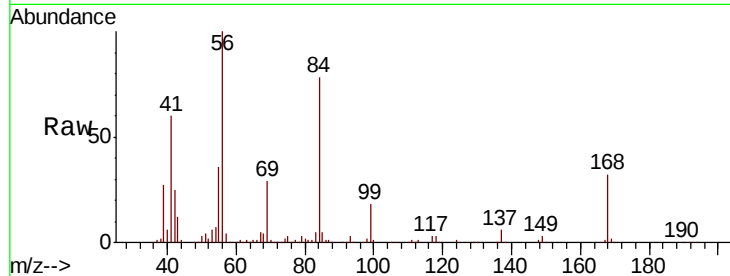




#31
Cyclohexane
Concen: 76.357 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

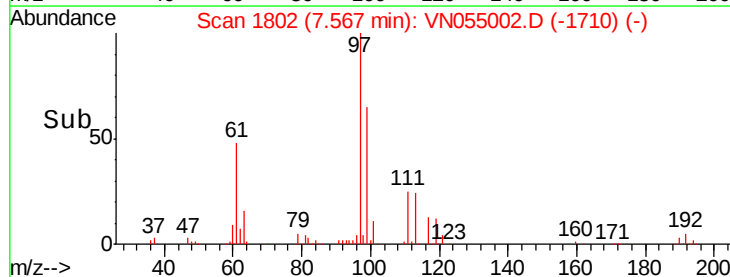
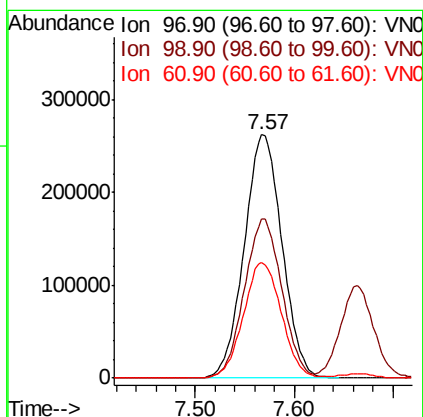
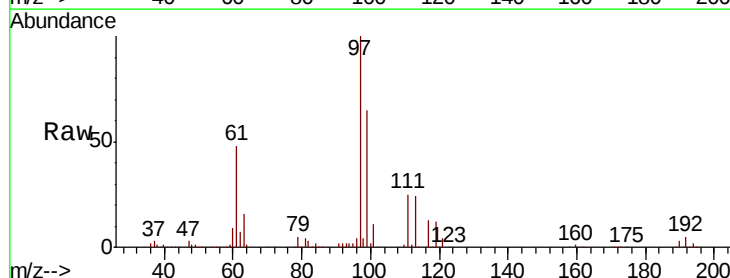
Instrument :
MSVOA_N
ClientSampleId :

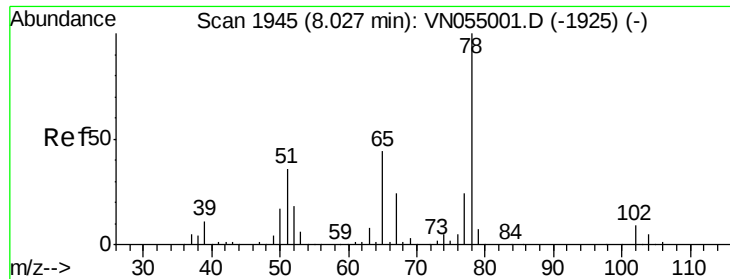
Tot Ion: 56 Resp: 822387
Ion Ratio Lower Upper
56 100
69 28.7 24.5 36.7
84 76.6 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 92.268 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 97 Resp: 694389
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 47.9 38.3 57.5

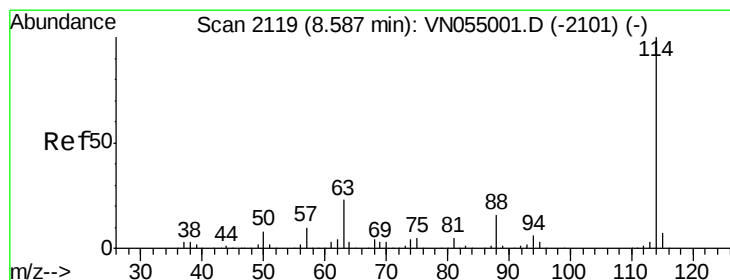
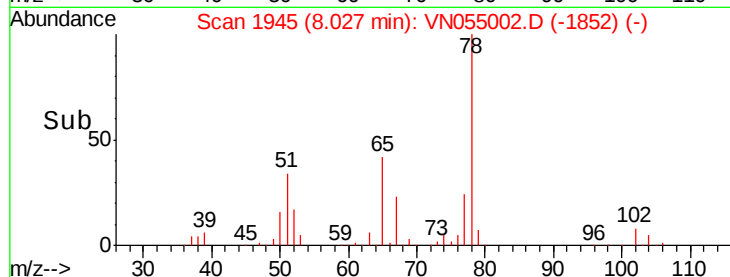
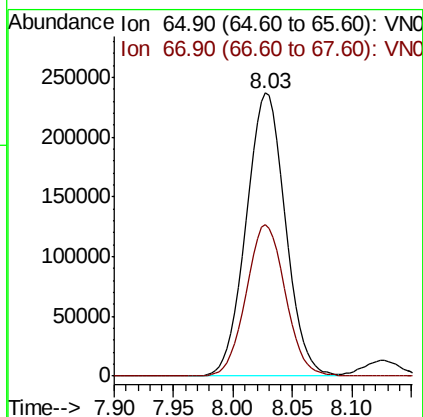
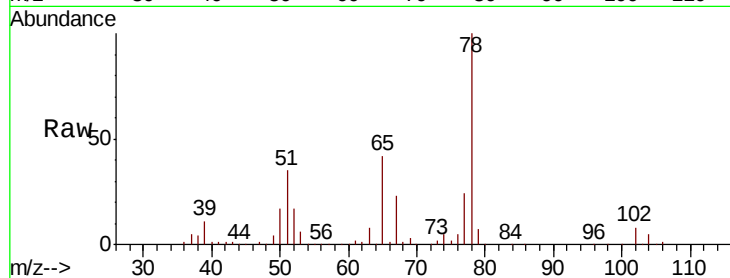




#33
 1,2-Dichloroethane-d4
 Concen: 94.665 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

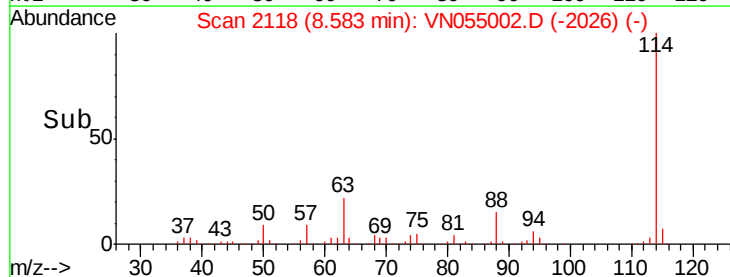
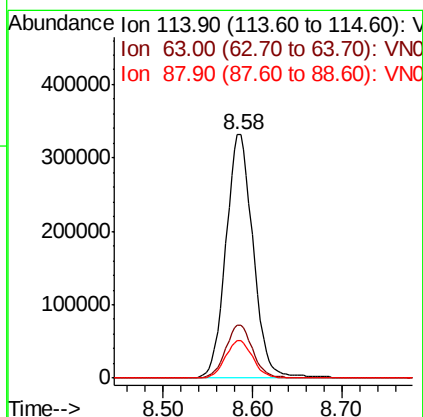
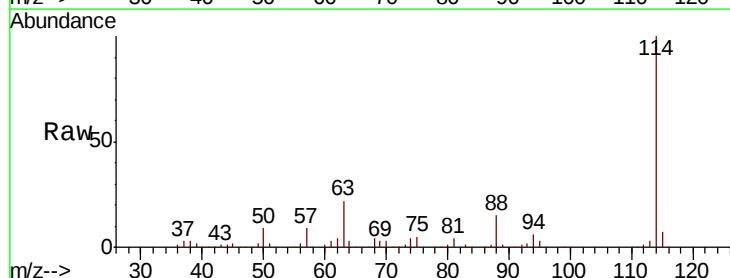
Instrument :
 MSVOA_N
 ClientSampled :

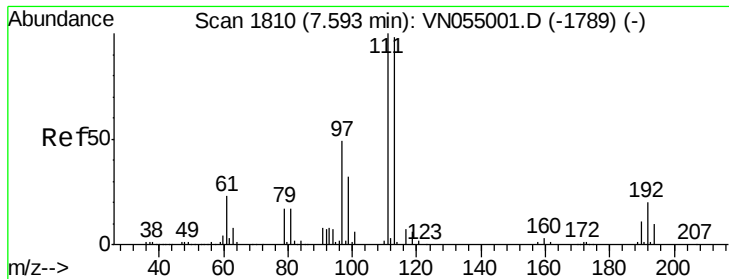
Tot Ion: 65 Resp: 542076
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 114 Resp: 700387
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 15.4 0.0 31.8

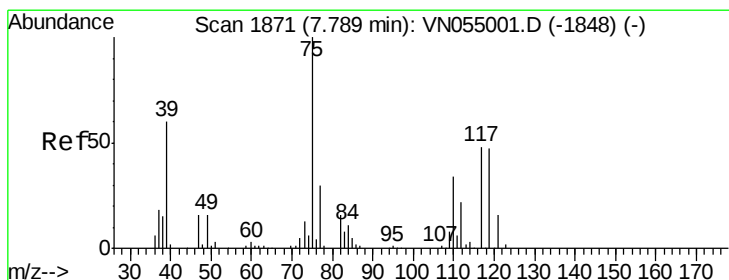
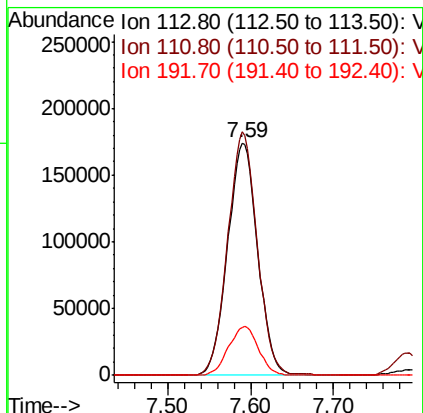
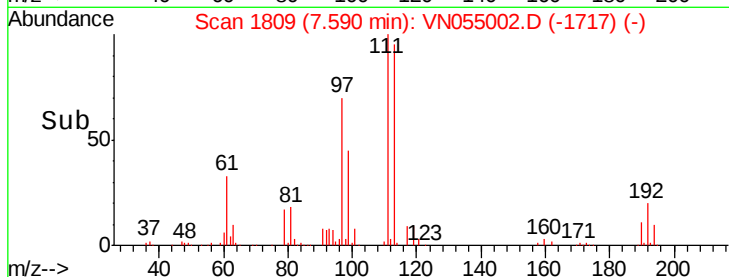
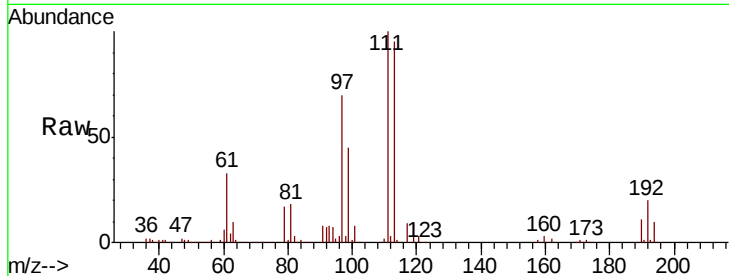




#35
 Dibromofluoromethane
 Concen: 96.181 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

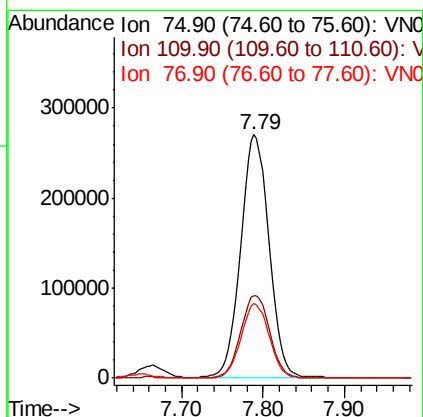
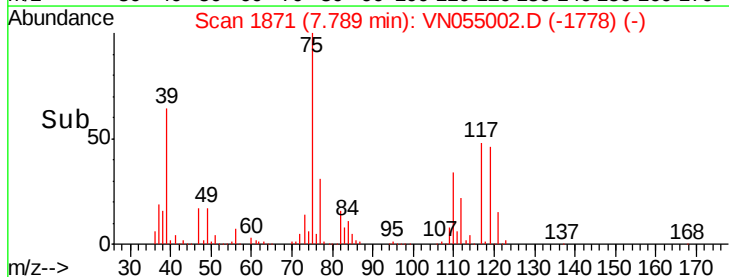
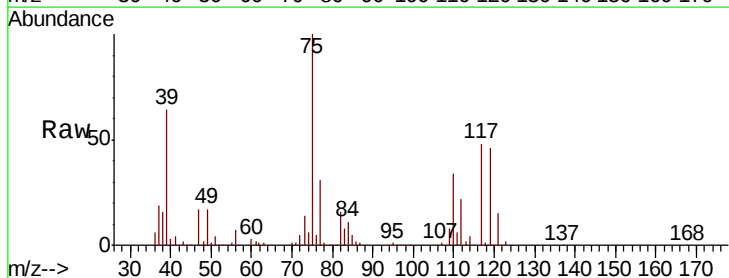
Instrument :
 MSVOA_N
 ClientSampleId :

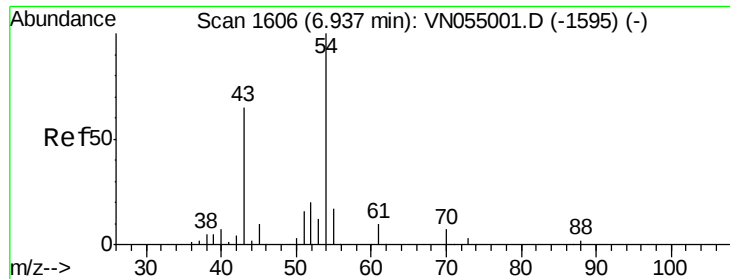
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	21.1	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 94.439 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.5	52.5
77	30.8	24.9	37.3

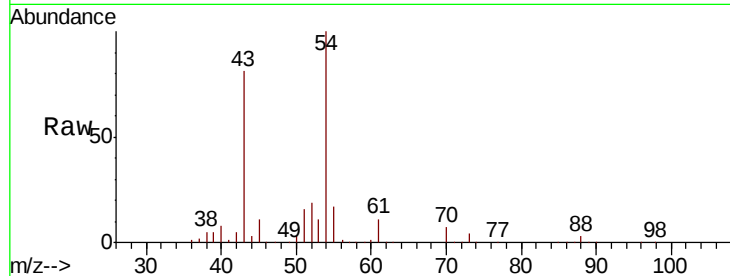




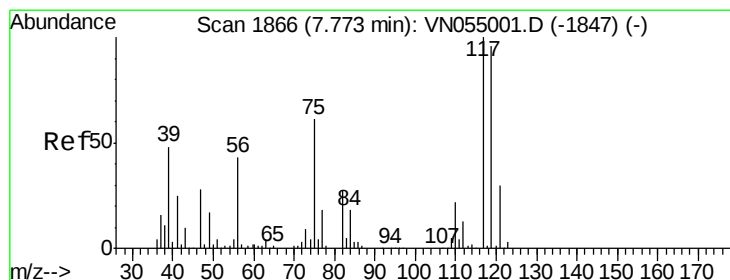
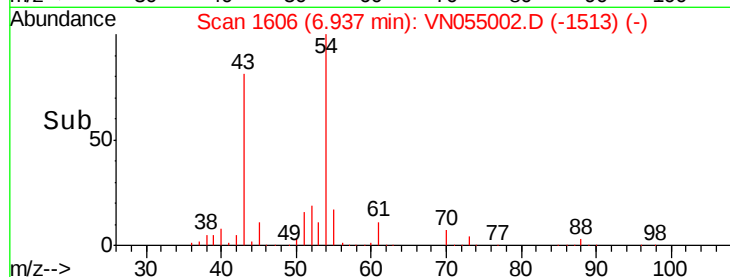
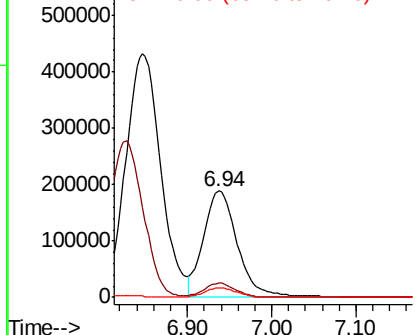
#37
Ethyl Acetate
Concen: 108.434 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 521340
Ion Ratio Lower Upper
43 100
61 12.5 10.0 15.0
70 8.8 7.1 10.7

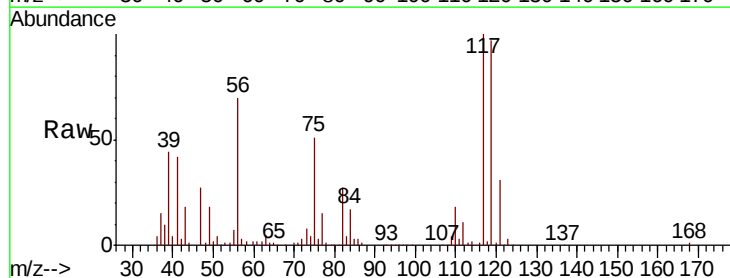


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

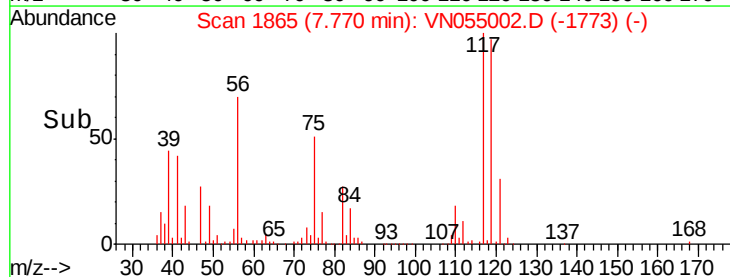
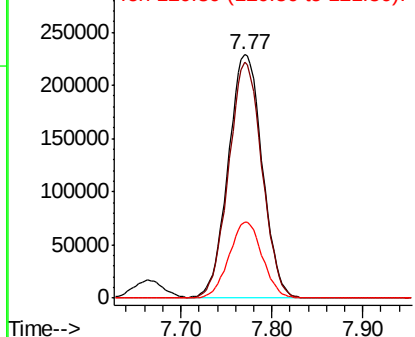


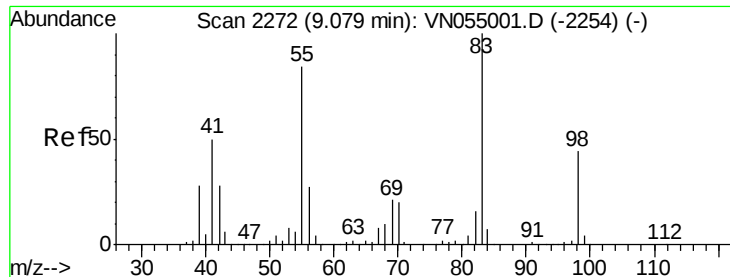
#38
Carbon Tetrachloride
Concen: 90.290 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 117 Resp: 594470
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5
121 31.3 23.9 35.9



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

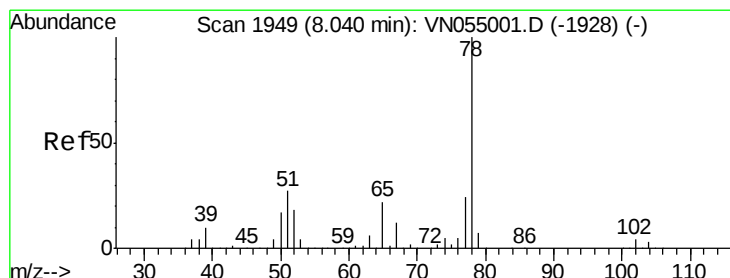
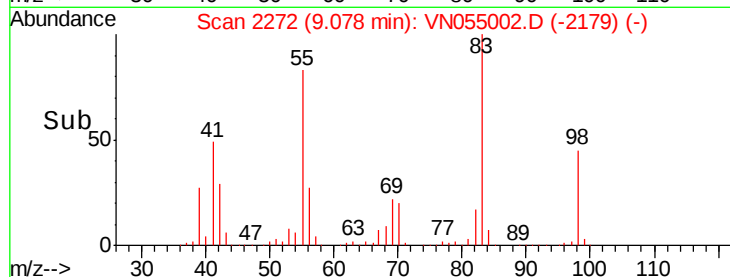
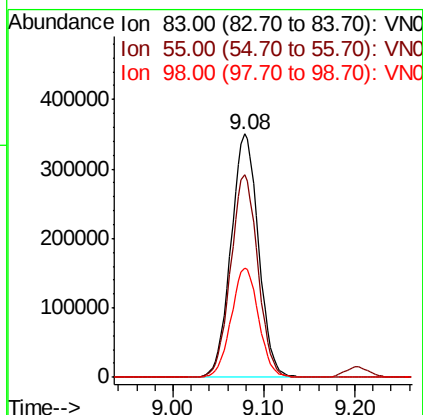
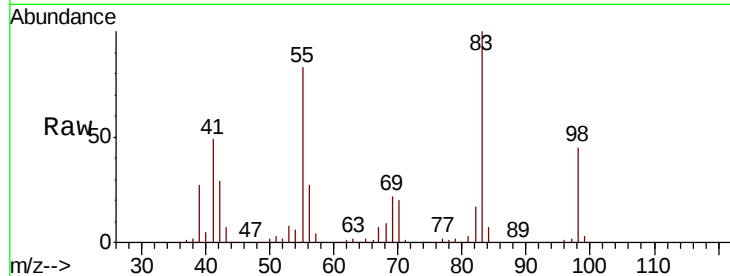




#39
Methvlcvclohexane
Concen: 97.418 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

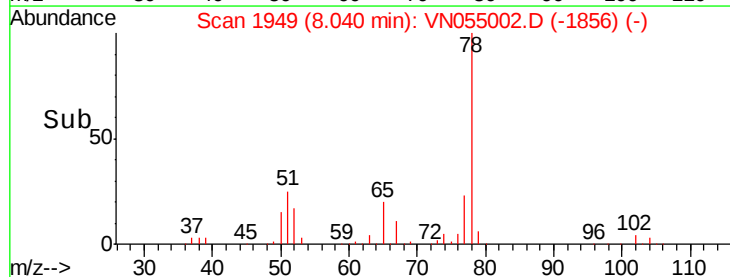
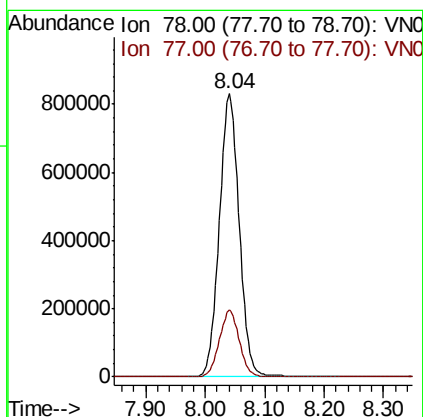
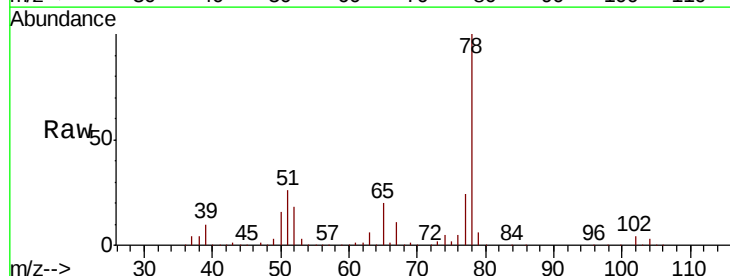
Instrument :
MSVOA_N
ClientSampled :

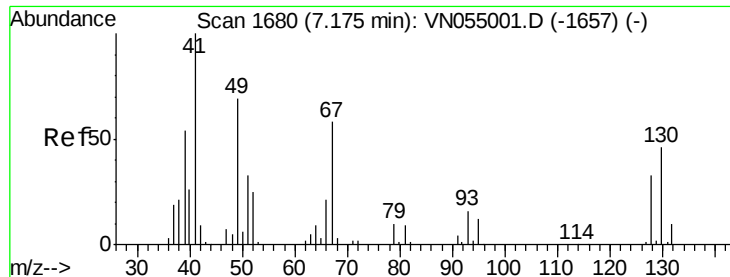
Tot Ion: 83 Resp: 734292
Ion Ratio Lower Upper
83 100
55 83.3 67.0 100.4
98 44.9 35.6 53.4



#40
Benzene
Concen: 97.044 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 78 Resp: 1921352
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

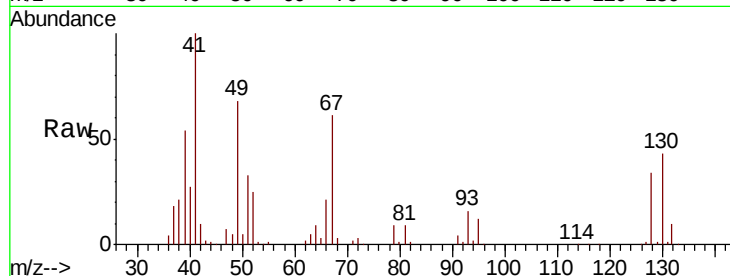




#41
Methacrylonitrile
Concen: 116.827 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	320205
Ion	Ratio	Lower	Upper
41	100		
39	53.8	45.6	68.4
67	63.8	57.0	85.6
52	27.0	23.6	35.4



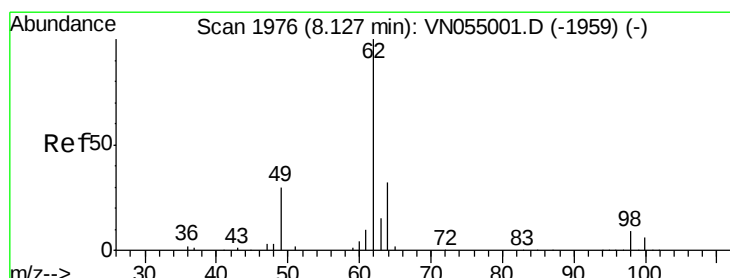
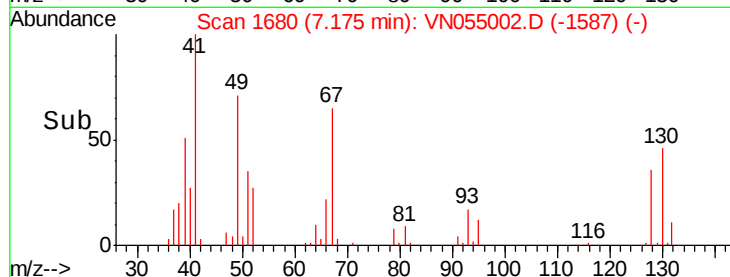
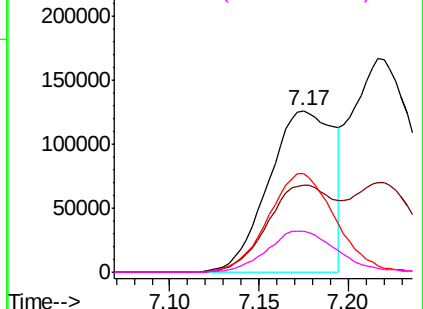
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

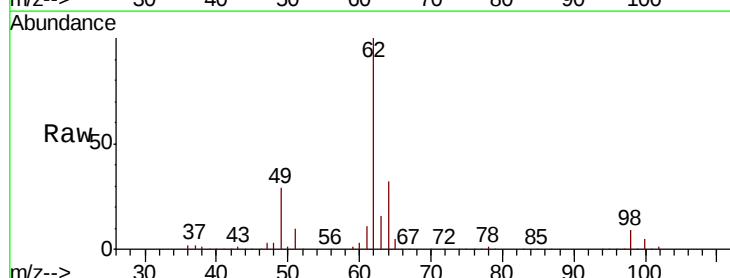
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 94.723 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

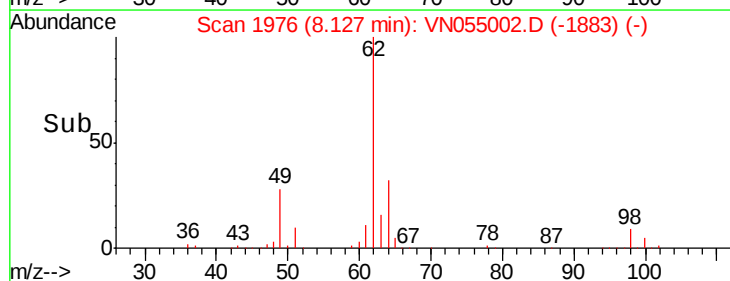
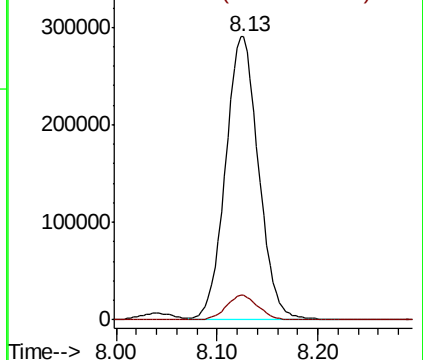
Tgt Ion:	62	Resp:	660375
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4

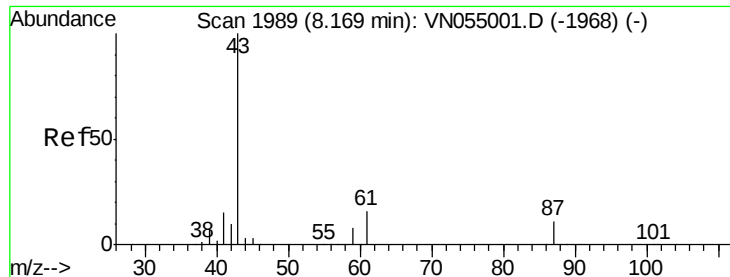


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 110.142 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

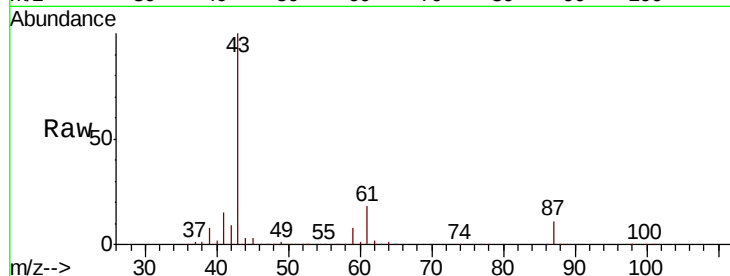
Tot Ion: 43 Resp: 891041

Ion Ratio Lower Upper

43 100

61 18.3 14.3 21.5

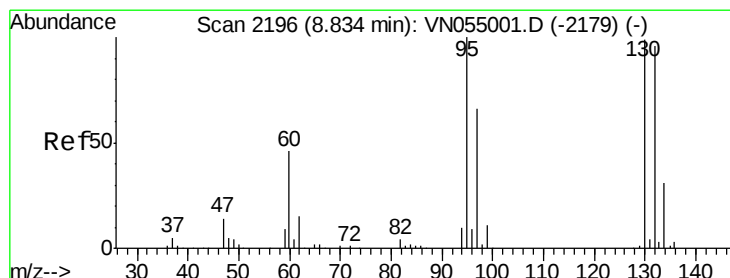
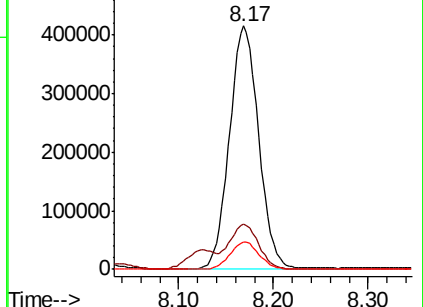
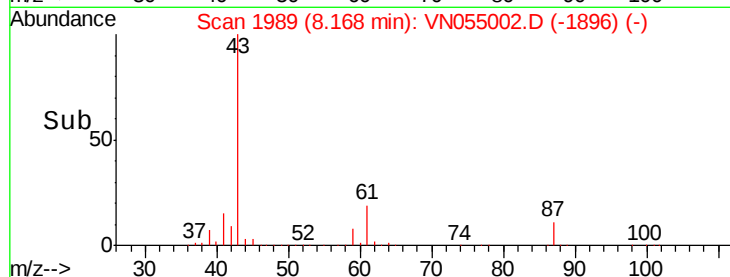
87 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 96.626 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055002.D

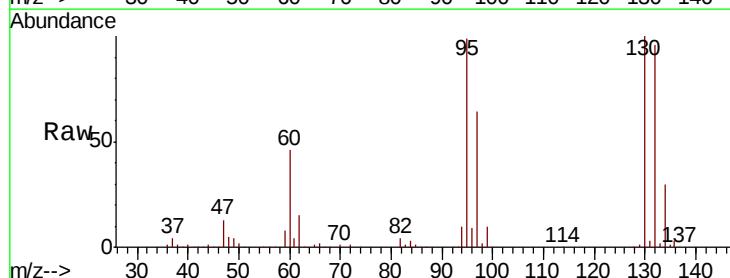
Acq: 12 Apr 2019 16:32

Tgt Ion:130 Resp: 489588

Ion Ratio Lower Upper

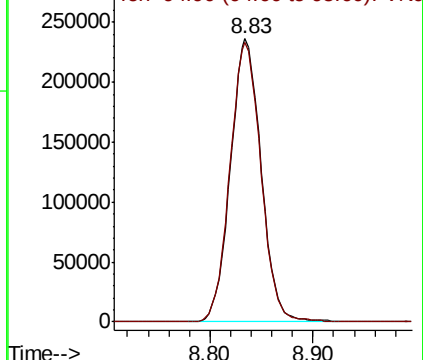
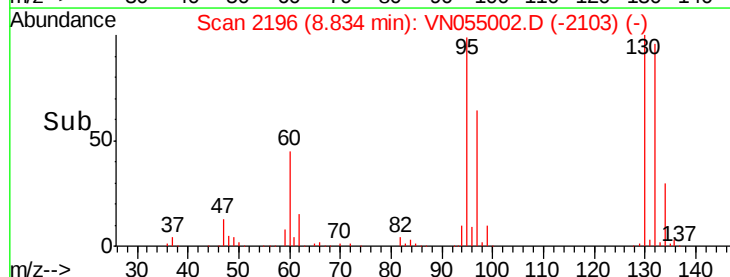
130 100

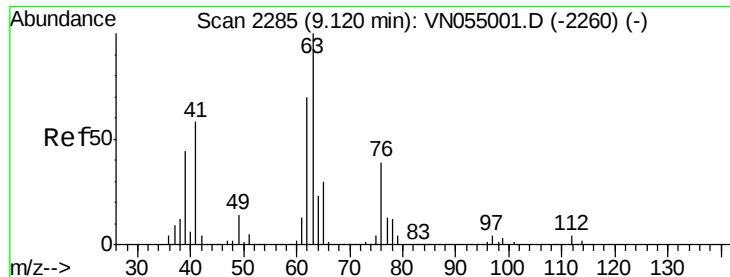
95 98.8 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 98.308 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

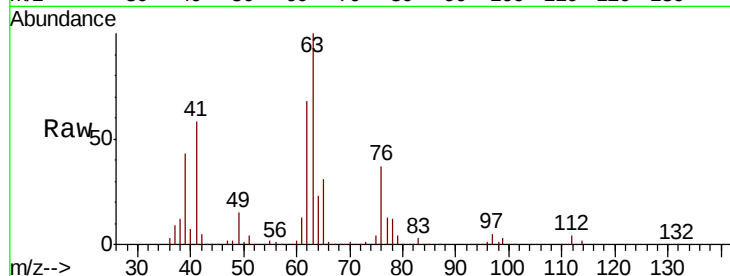
ClientSampled :

Tot Ion: 63 Resp: 542426

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

250000

200000

150000

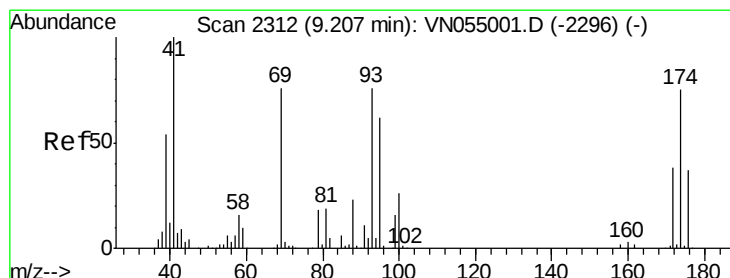
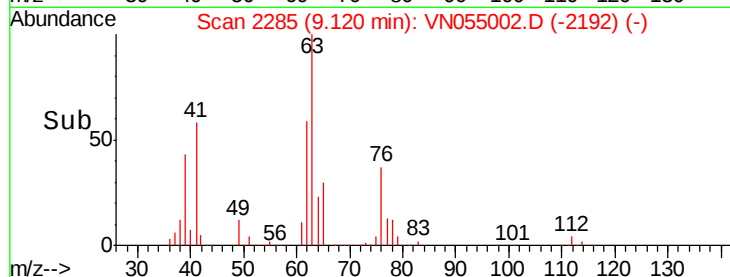
100000

50000

0

Time-->

9.00 9.10 9.20 9.30



#46

Dibromomethane

Concen: 97.330 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

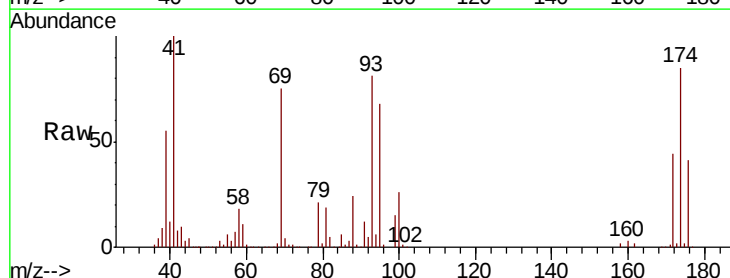
Tgt Ion: 93 Resp: 307069

Ion Ratio Lower Upper

93 100

95 84.7 65.0 97.6

174 105.4 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

150000

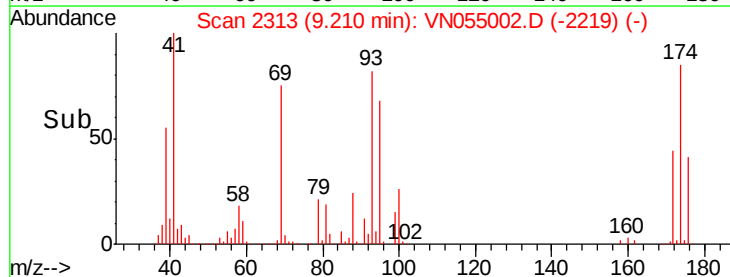
100000

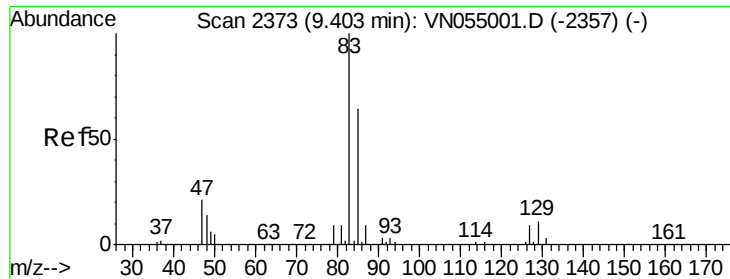
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 98.777 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

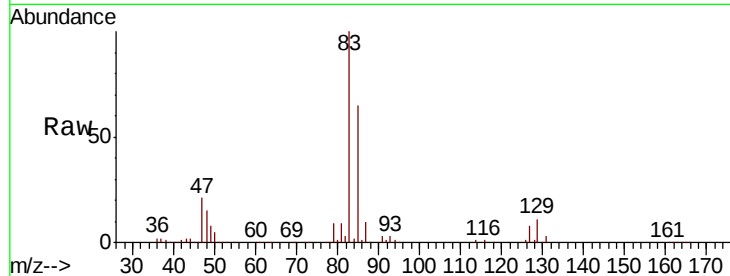
Tot Ion: 83 Resp: 649563

Ion Ratio Lower Upper

83 100

85 65.4 51.2 76.8

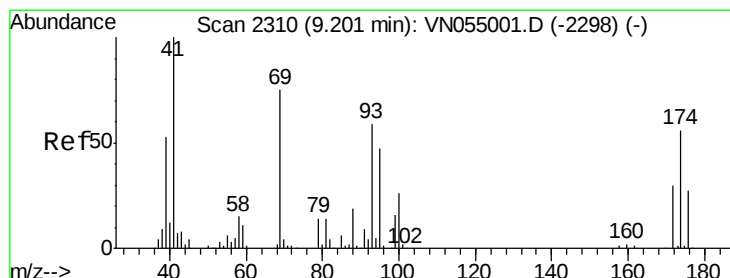
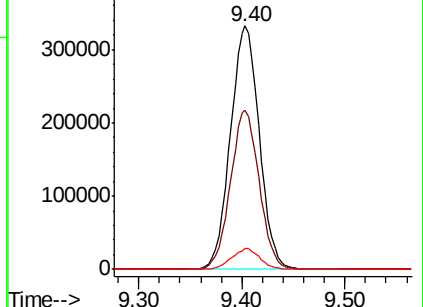
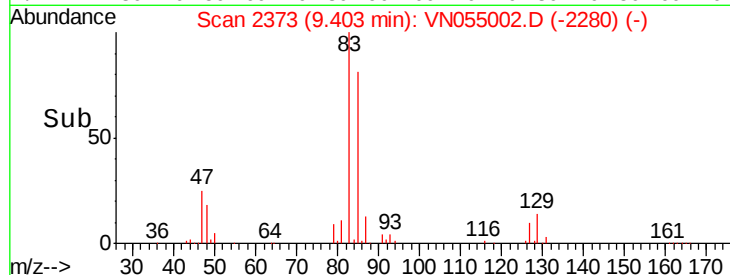
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055002.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055002.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055002.D (-2280) (-)



#48

Methyl methacrylate

Concen: 110.632 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

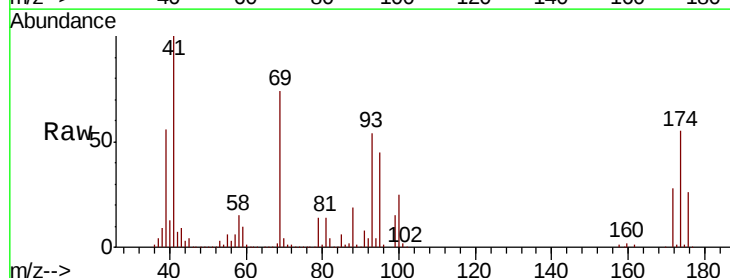
Tgt Ion: 41 Resp: 449974

Ion Ratio Lower Upper

41 100

69 75.7 60.5 90.7

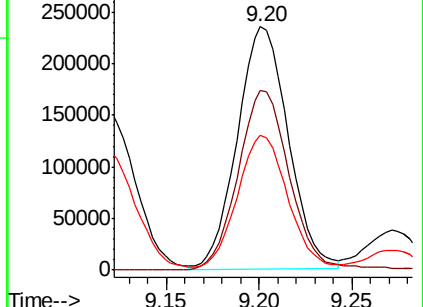
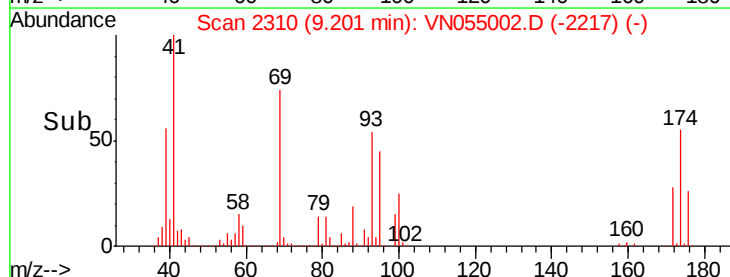
39 55.1 43.9 65.9

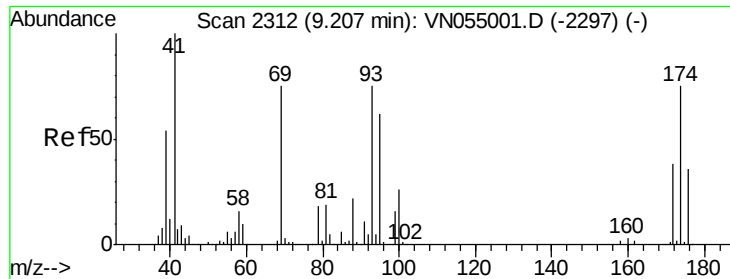


Abundance Ion 41.00 (40.70 to 41.70): VN055002.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055002.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055002.D (-2217) (-)





#49

1,4-Dioxane

Concen: 2391.223 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

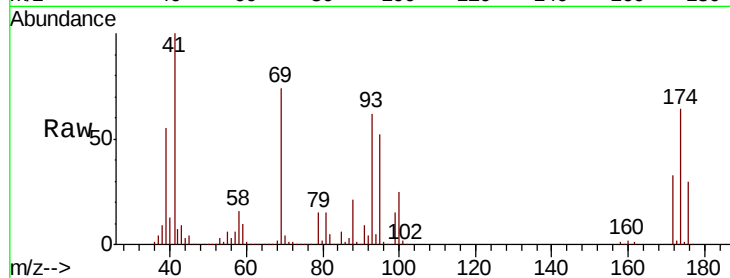
Tot Ion: 88 Resp: 100111

Ion Ratio Lower Upper

88 100

43 39.7 31.8 47.8

58 75.5 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)

500000

400000

300000

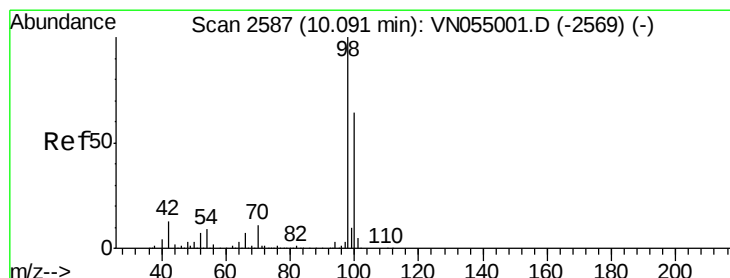
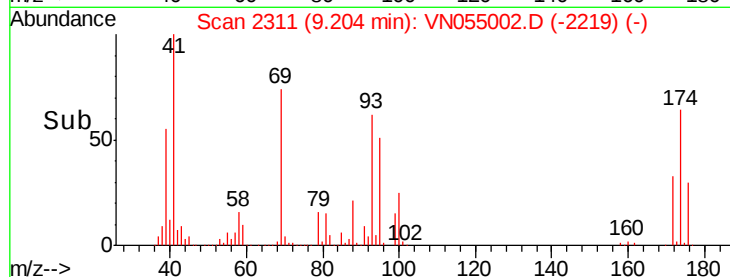
200000

100000

0

9.10 9.20 9.30

Time-->



#50

Toluene-d8

Concen: 95.230 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055002.D

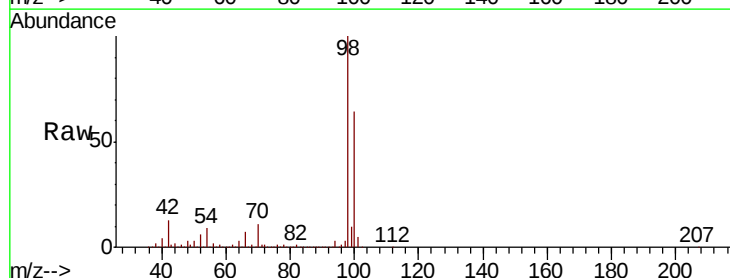
Acq: 12 Apr 2019 16:32

Tgt Ion: 98 Resp: 1640330

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)

1000000

800000

600000

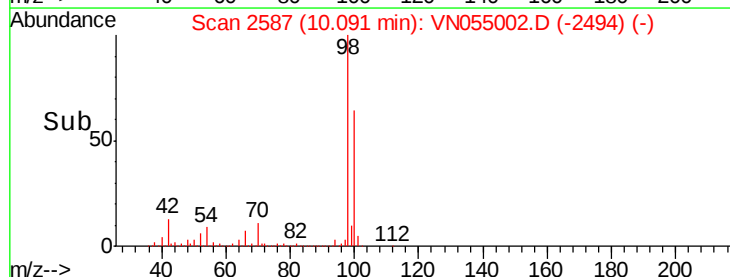
400000

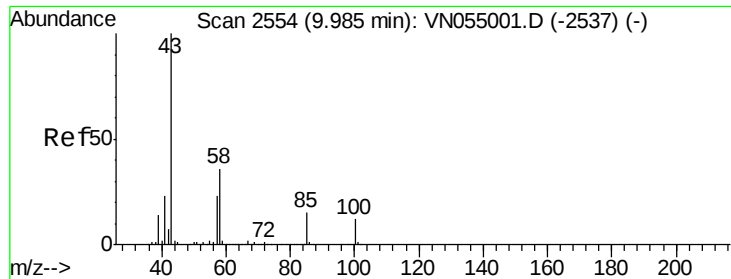
200000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 570.483 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

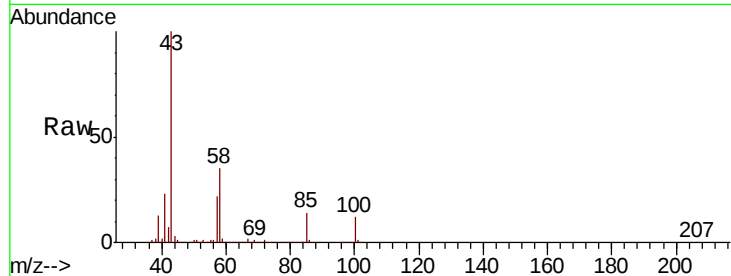
ClientSampleId :

Tot Ion: 43 Resp: 2588855

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)

1500000

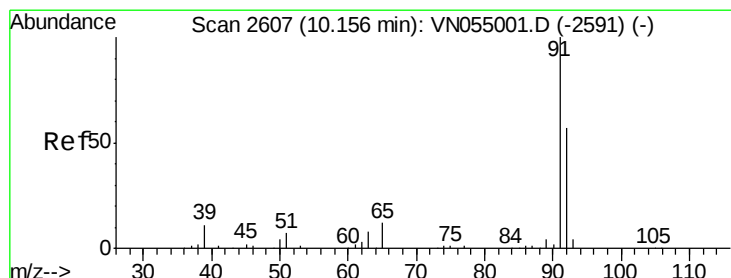
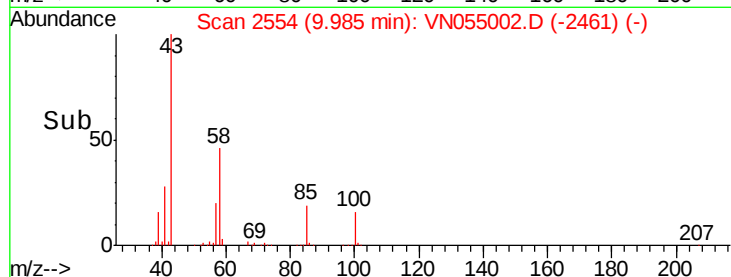
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 97.994 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055002.D

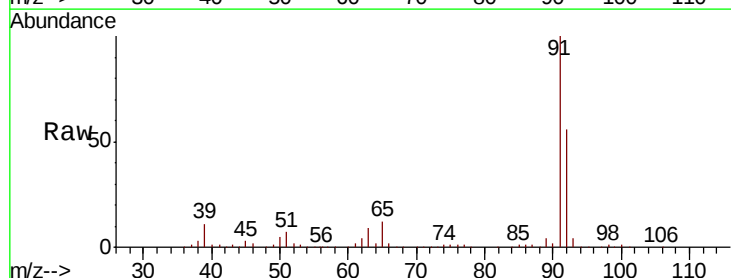
Acq: 12 Apr 2019 16:32

Tgt Ion: 92 Resp: 1141646

Ion Ratio Lower Upper

92 100

91 176.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)

1200000

1000000

800000

600000

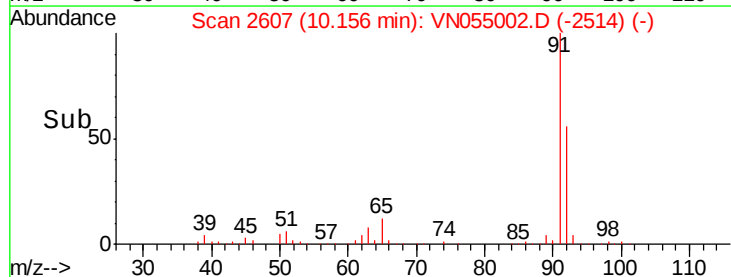
400000

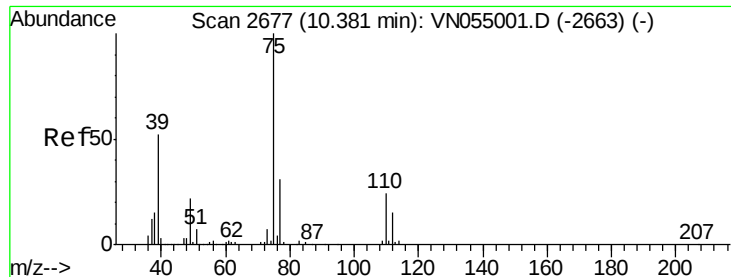
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 108.249 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

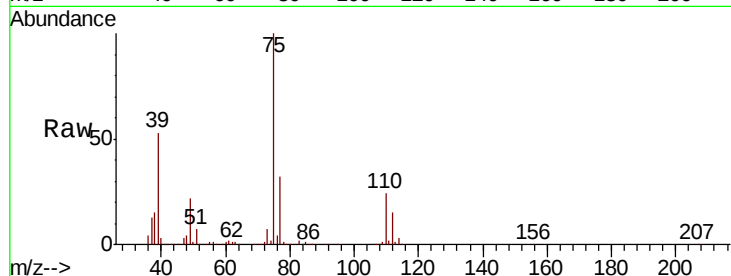
ClientSampleId :

Tot Ion: 75 Resp: 653208

Ion Ratio Lower Upper

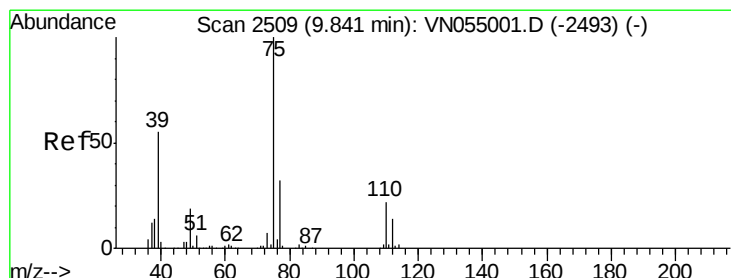
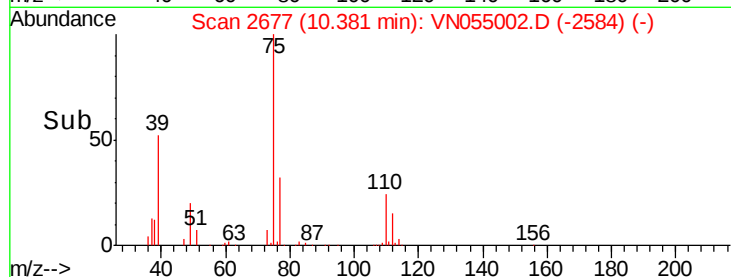
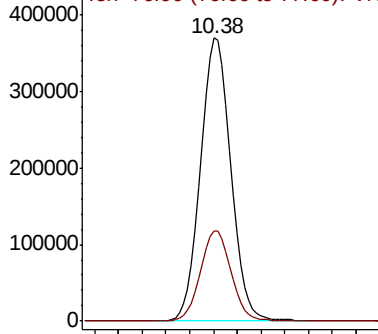
75 100

77 31.9 24.6 37.0



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: 105.102 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

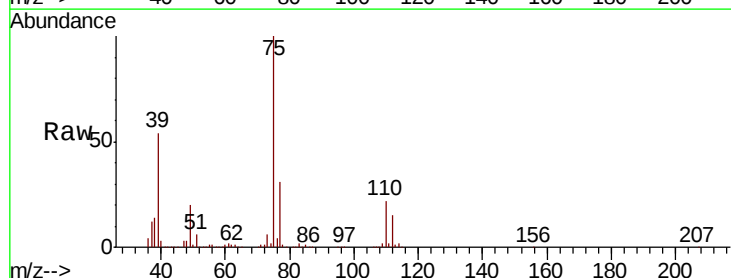
Tgt Ion: 75 Resp: 776073

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

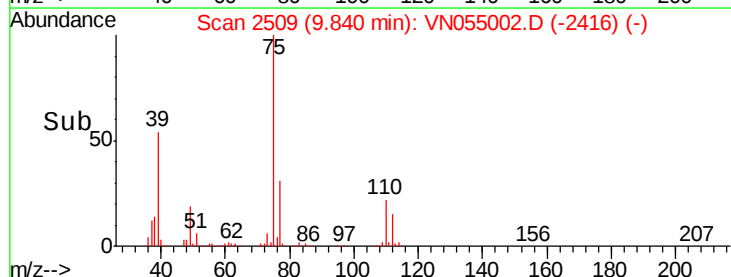
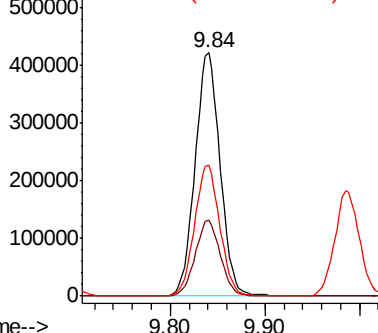
39 53.6 43.8 65.8

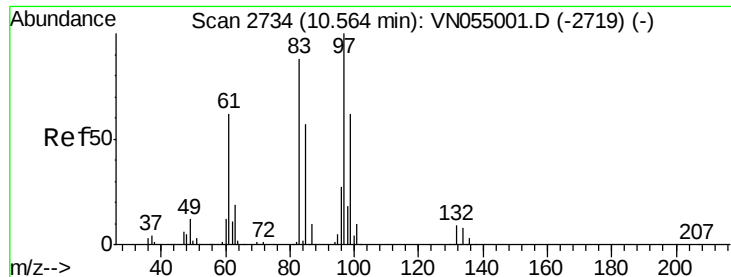


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 100.963 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 430598

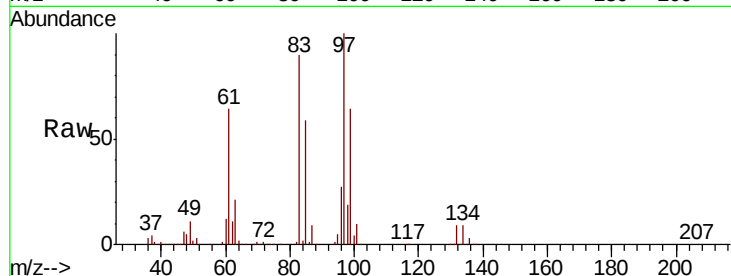
Ion Ratio Lower Upper

97 100

83 90.3 70.5 105.7

85 58.7 45.5 68.3

99 63.8 49.4 74.0

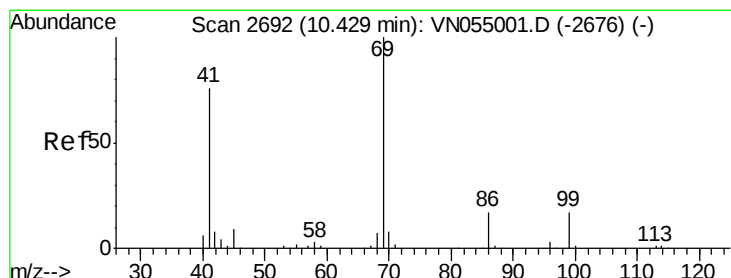
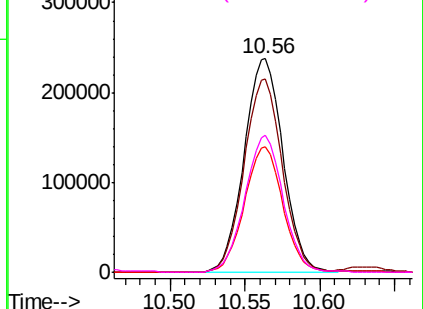
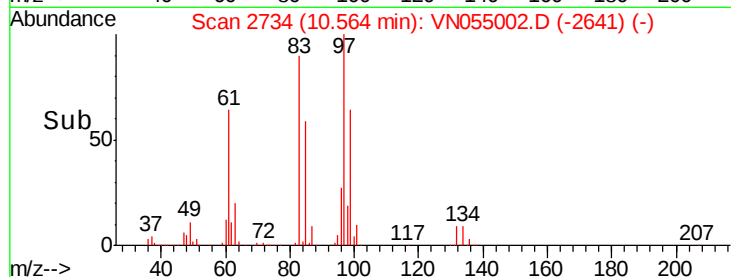


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 110.334 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

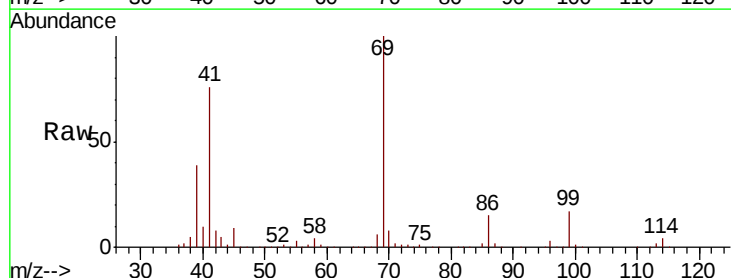
Tgt Ion: 69 Resp: 612833

Ion Ratio Lower Upper

69 100

41 74.9 61.4 92.0

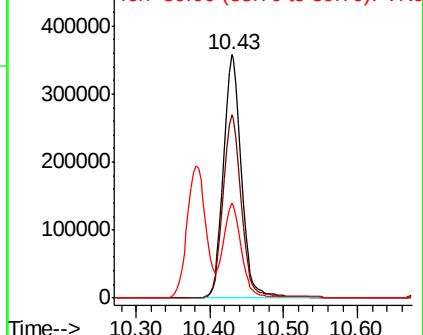
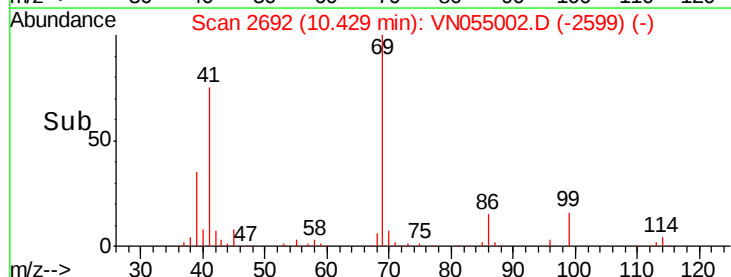
39 38.4 30.8 46.2

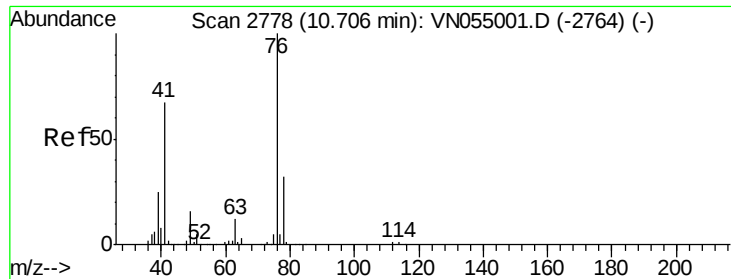


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 101.640 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

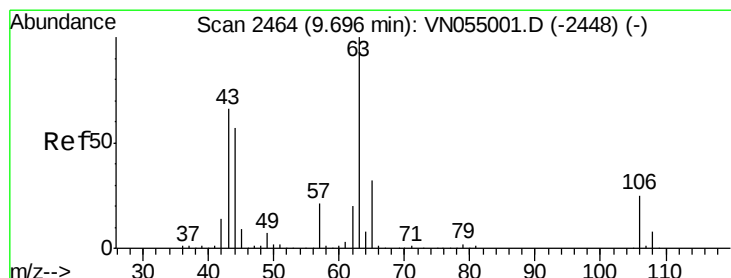
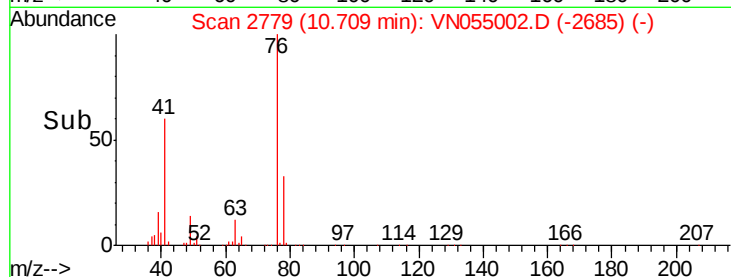
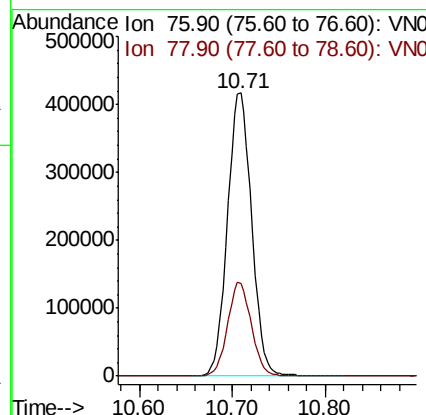
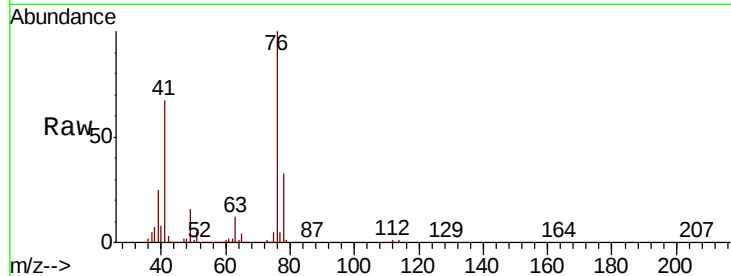
ClientSampled :

Tot Ion: 76 Resp: 756519

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 570.241 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055002.D

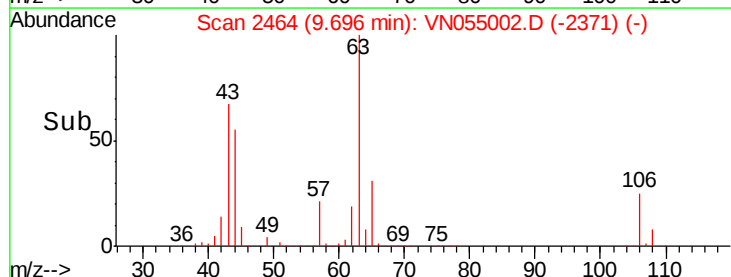
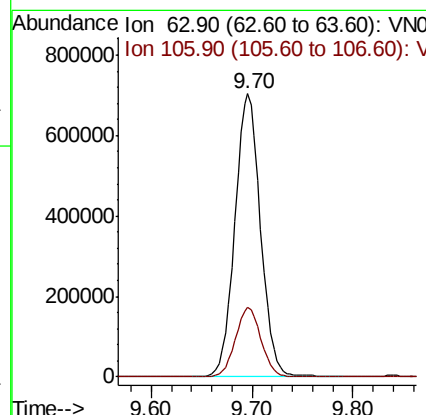
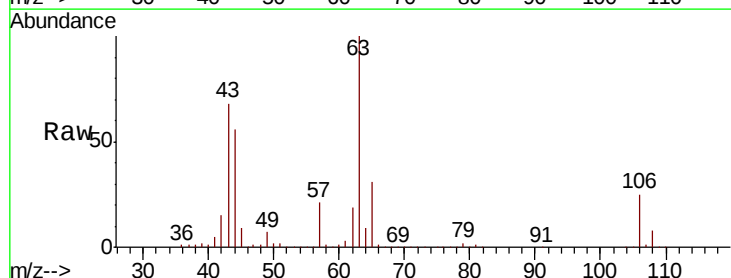
Acq: 12 Apr 2019 16:32

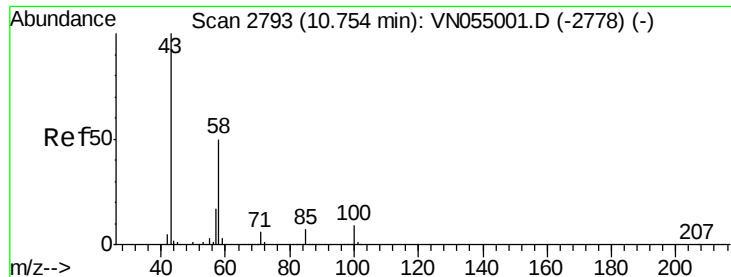
Tgt Ion: 63 Resp: 1244838

Ion Ratio Lower Upper

63 100

106 24.4 20.0 30.0

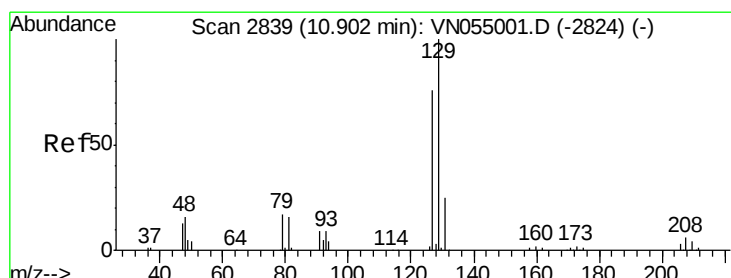
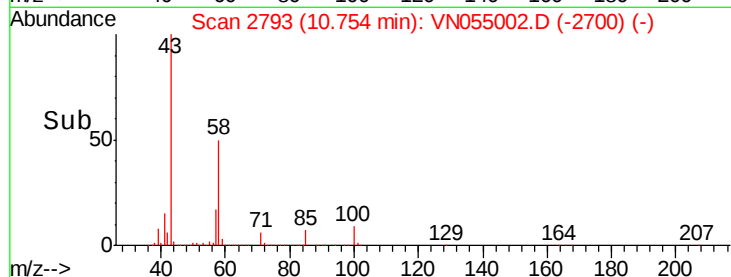
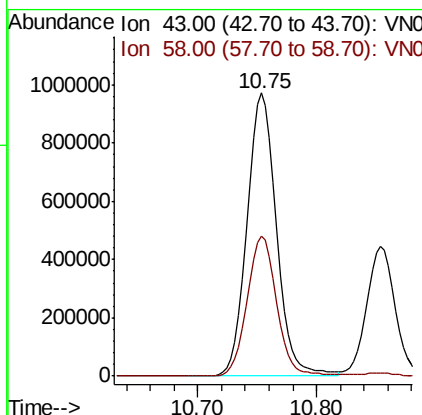
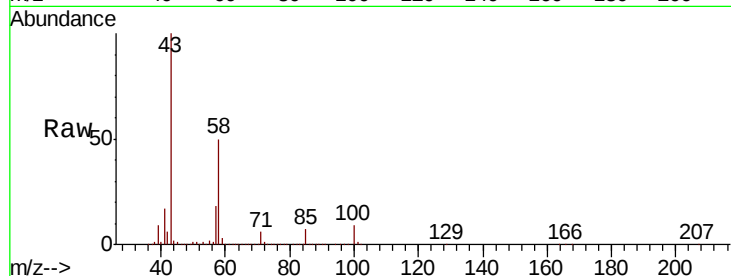




#59
2-Hexanone
Concen: 590.174 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

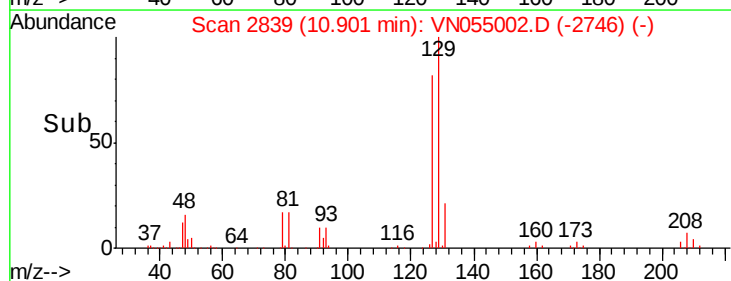
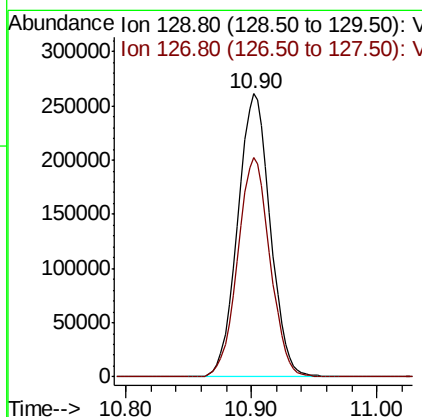
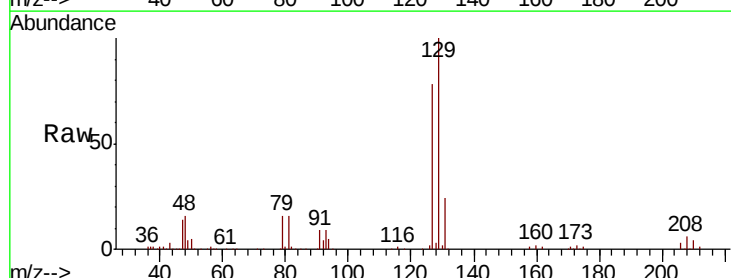
Instrument :
MSVOA_N
ClientSampleId :

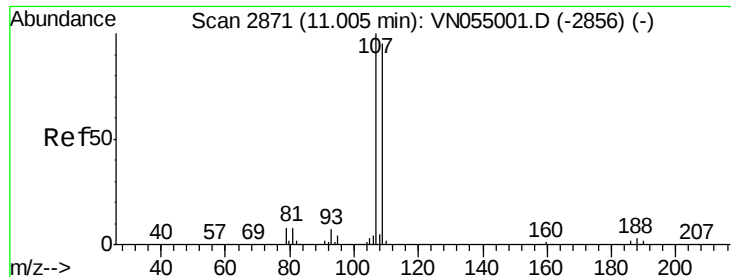
Tot Ion: 43 Resp: 1665707
Ion Ratio Lower Upper
43 100
58 50.0 25.1 75.2



#60
Dibromochloromethane
Concen: 106.111 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 129 Resp: 470824
Ion Ratio Lower Upper
129 100
127 77.1 38.2 114.6

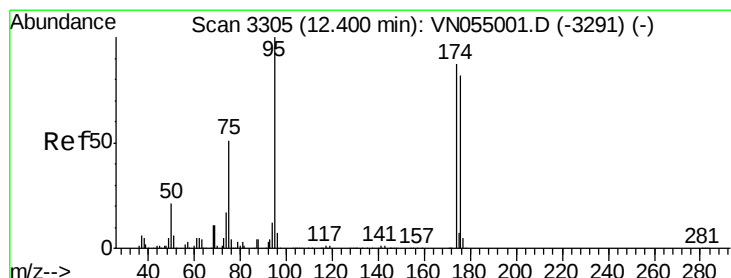
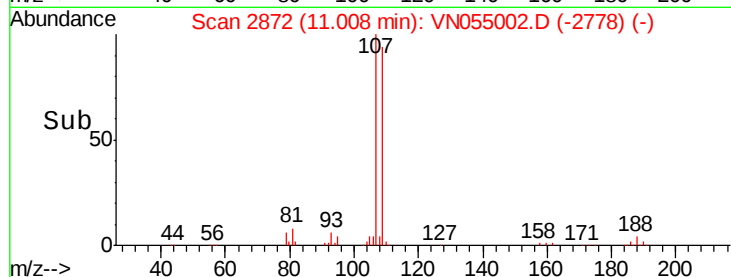
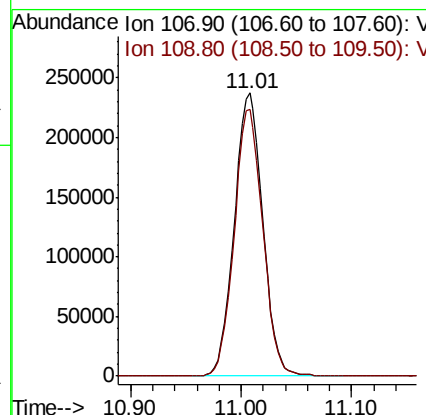
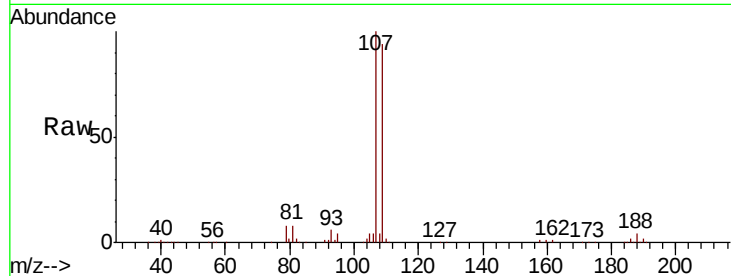




#61
 1,2-Dibromoethane
 Concen: 106.351 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

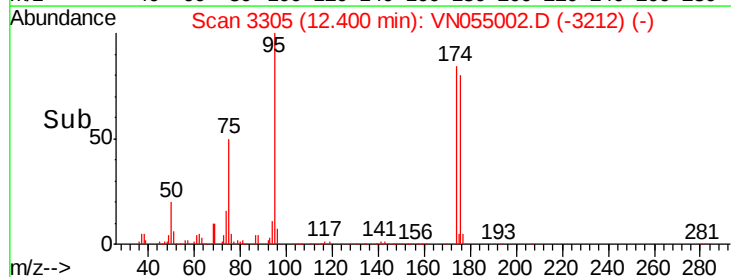
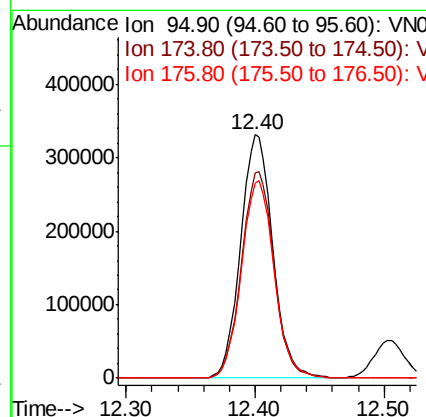
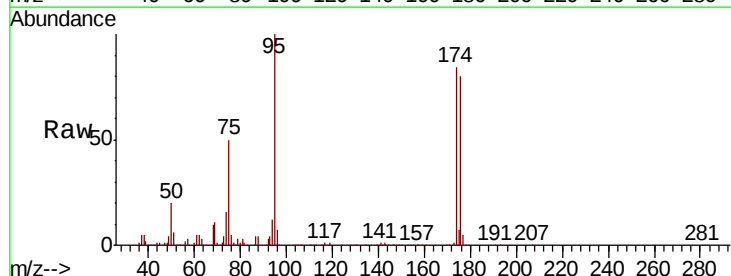
Instrument :
 MSVOA_N
 ClientSampled :

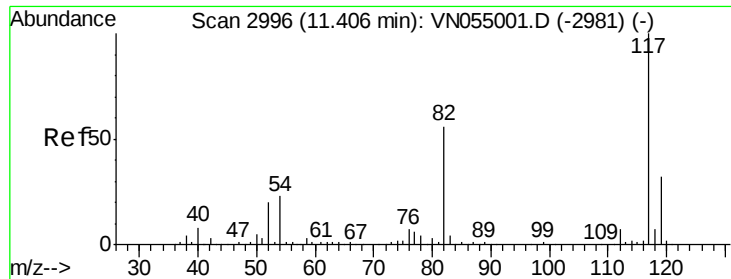
Tot Ion:107 Resp: 425289
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 100.174 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion: 95 Resp: 574250
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 174.4
 176 82.7 0.0 166.8

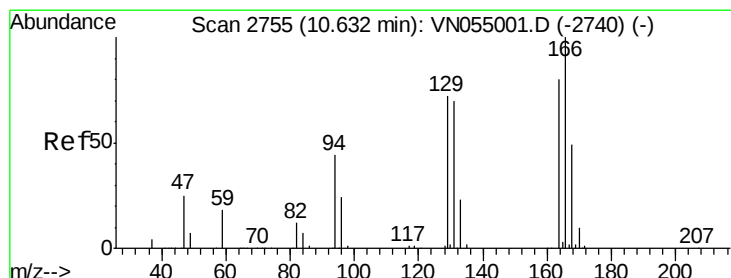
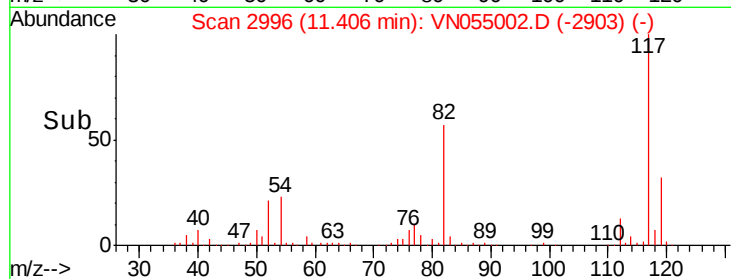
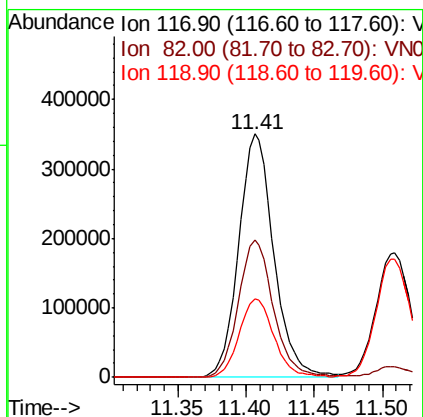
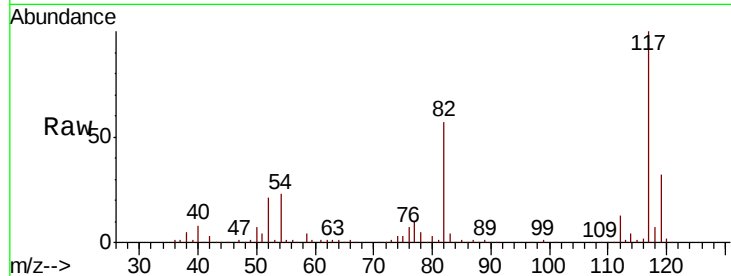




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

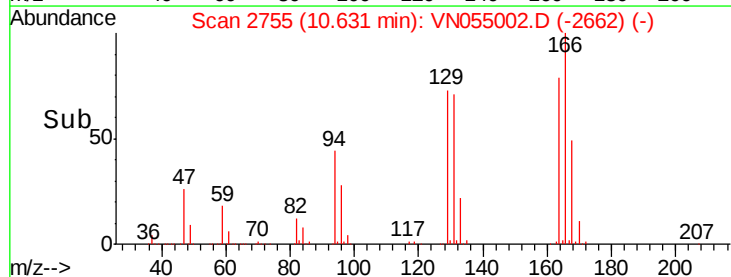
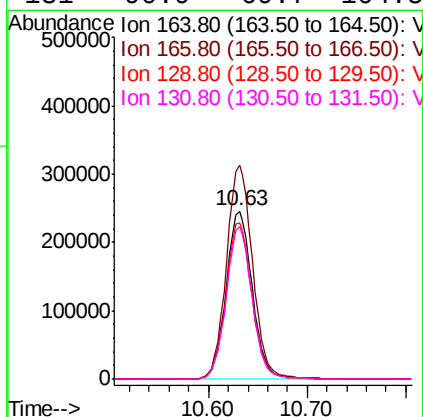
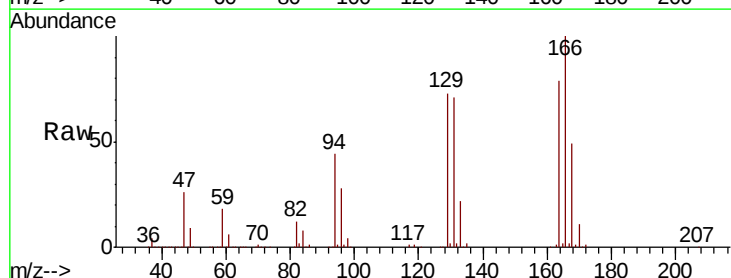
Instrument :
MSVOA_N
ClientSampled :

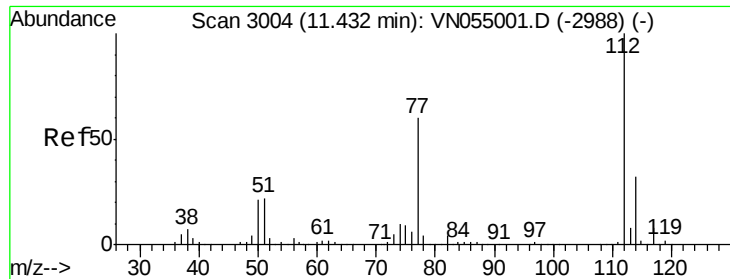
Tot Ion:117 Resp: 625245
Ion Ratio Lower Upper
117 100
82 56.5 44.6 66.8
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 90.852 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion:164 Resp: 454849
Ion Ratio Lower Upper
164 100
166 127.3 100.0 150.0
129 93.3 72.0 108.0
131 90.9 69.7 104.5

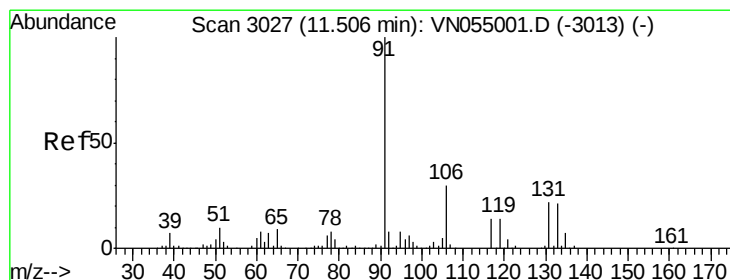
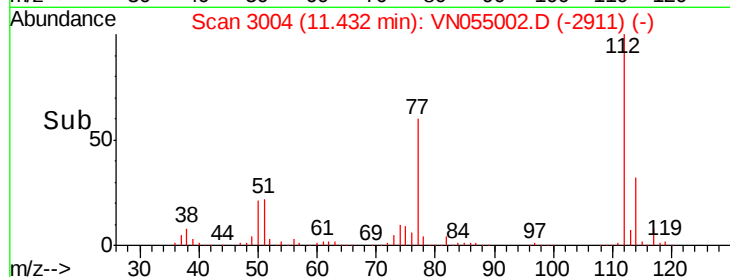
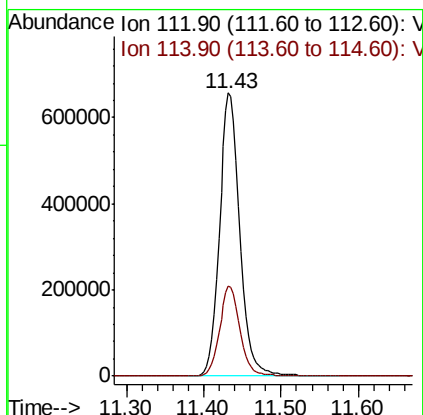
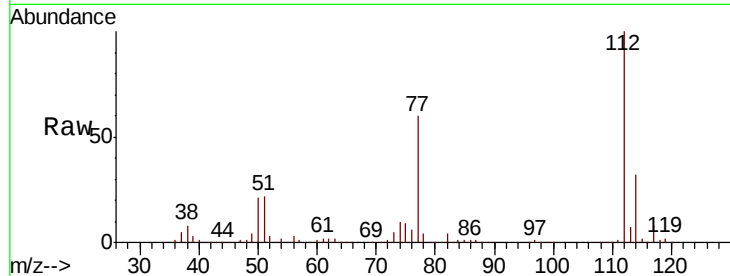




#65
Chlorobenzene
Concen: 95.728 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

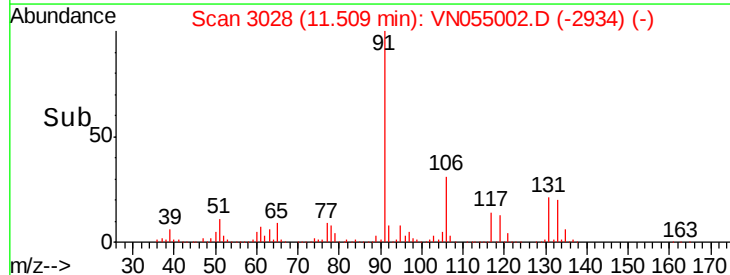
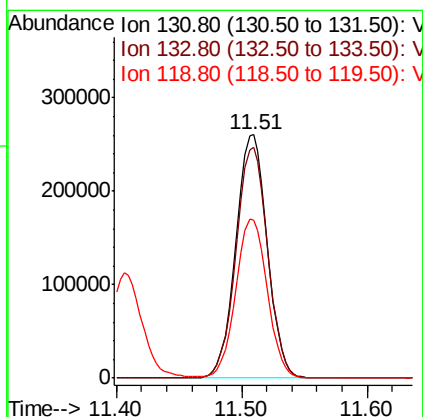
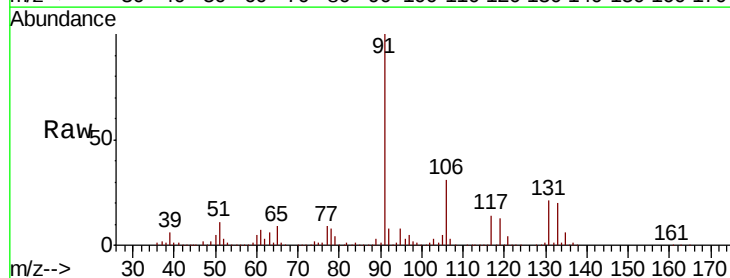
Instrument :
MSVOA_N
ClientSampleId :

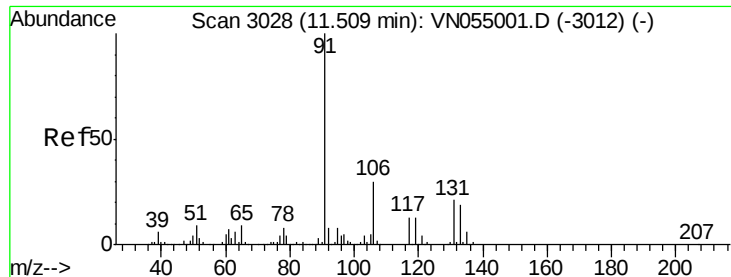
Tot Ion:112 Resp: 1205304
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 98.432 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion:131 Resp: 453838
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.0 33.6 100.6

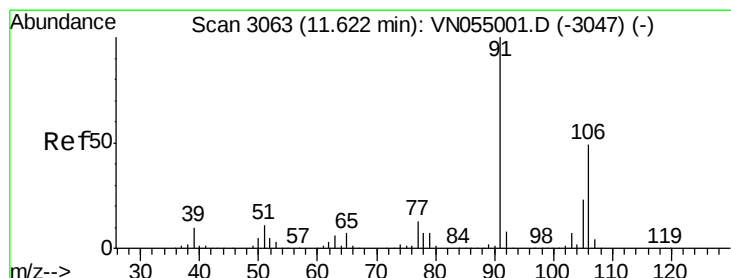
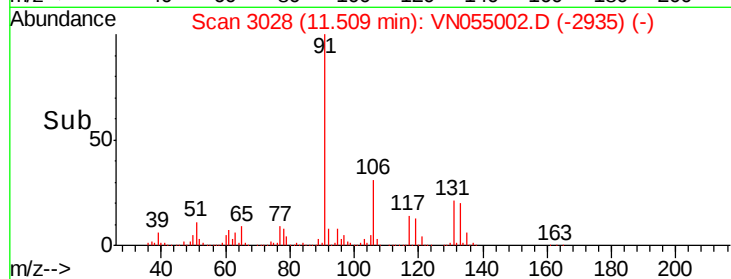
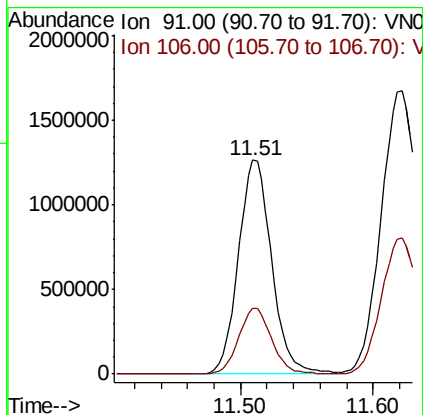
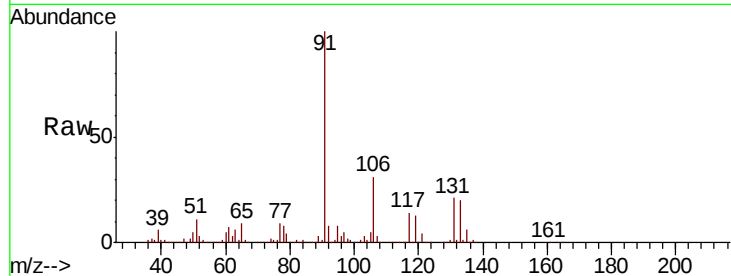




#67
Ethyl Benzene
Concen: 97.476 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

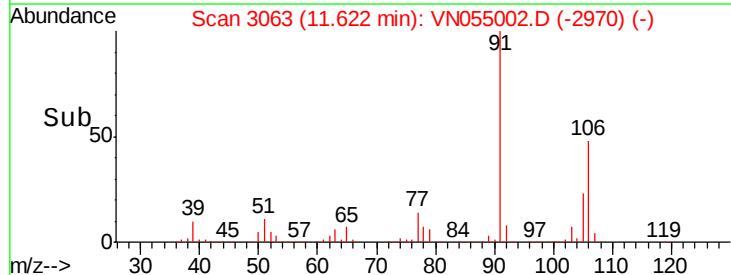
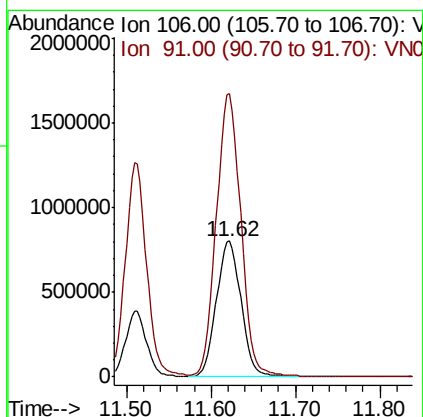
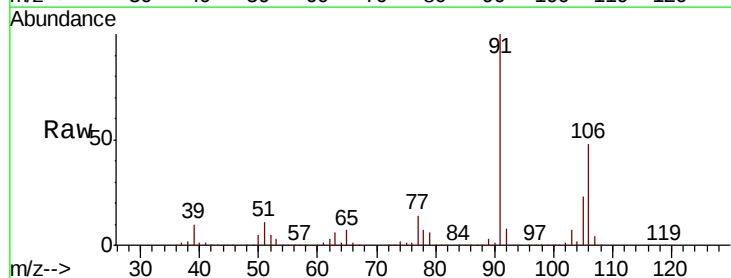
Instrument :
MSVOA_N
ClientSampled :

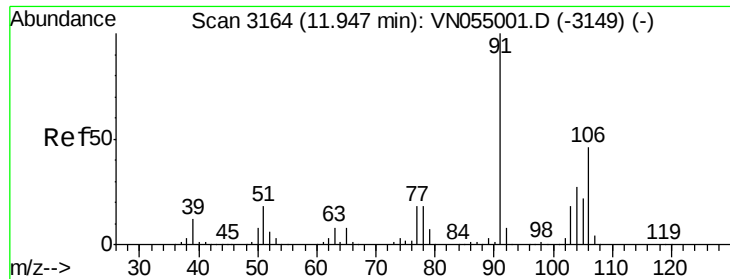
Tot Ion: 91 Resp: 2211604
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#68
m/p-Xylenes
Concen: 196.920 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion: 106 Resp: 1634861
Ion Ratio Lower Upper
106 100
91 207.8 165.9 248.9

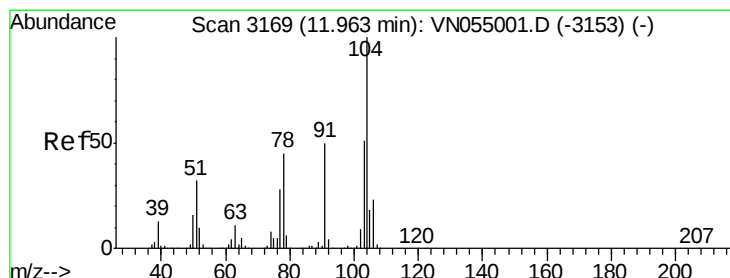
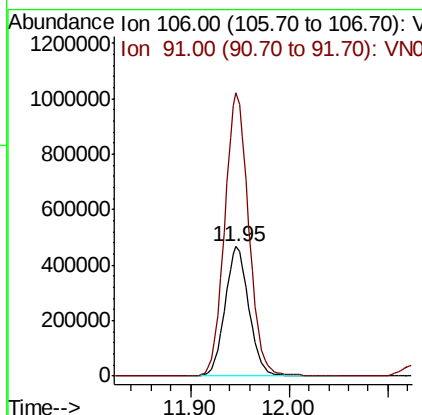
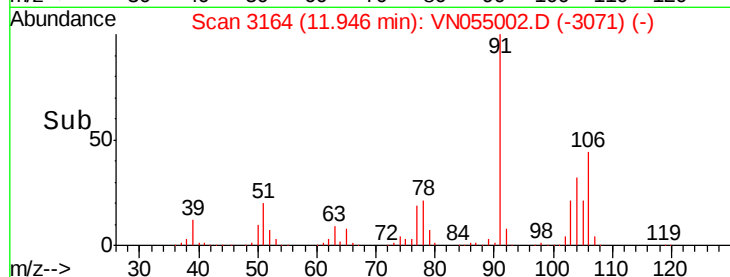
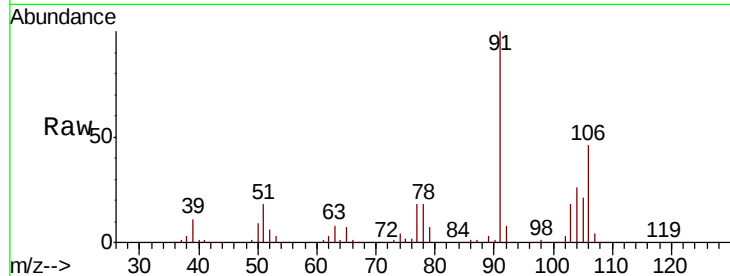




#69
o-Xylene
Concen: 98.365 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

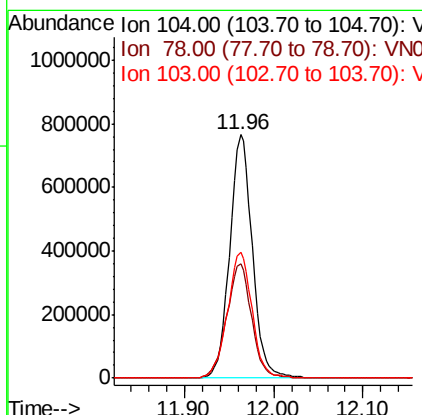
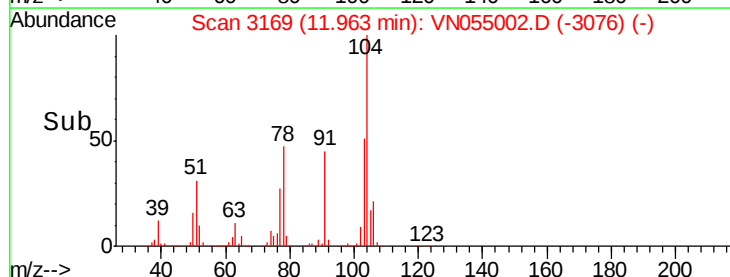
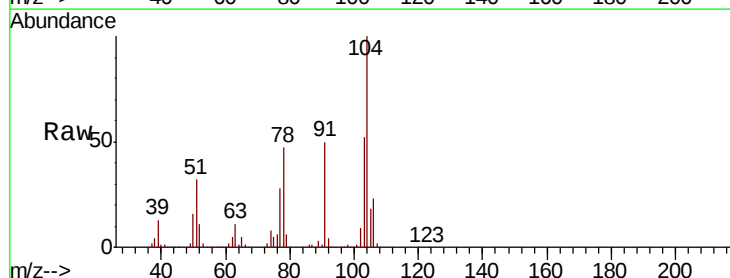
Instrument :
MSVOA_N
ClientSampled :

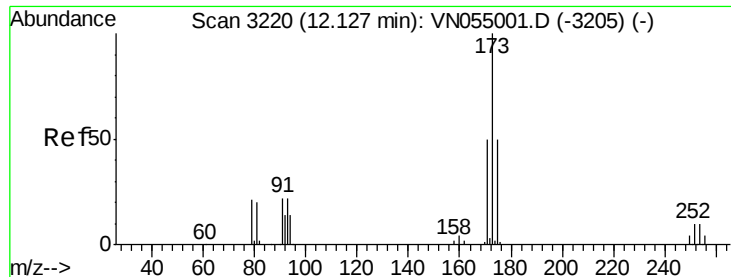
Tot Ion:106 Resp: 795234
Ion Ratio Lower Upper
106 100
91 219.9 109.9 329.8



#70
Styrene
Concen: 103.506 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion:104 Resp: 1344089
Ion Ratio Lower Upper
104 100
78 51.9 40.3 60.5
103 56.2 44.3 66.5





#71

Bromoform

Concen: 110.567 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

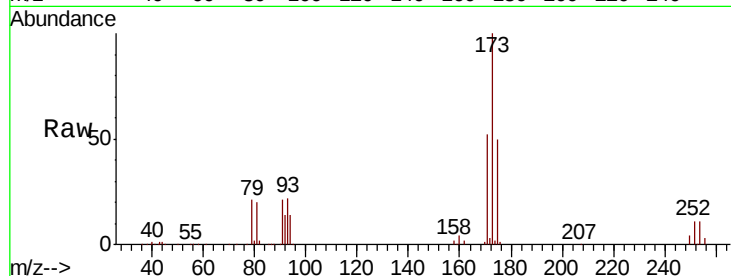
Tot Ion:173 Resp: 308563

Ion Ratio Lower Upper

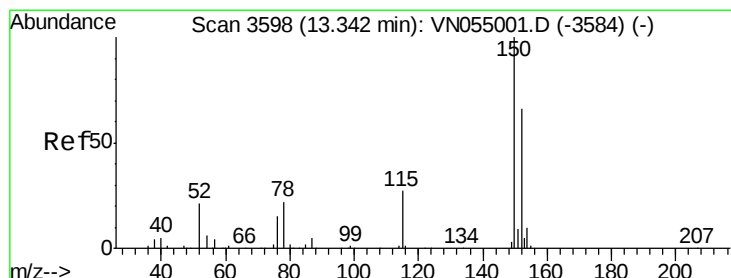
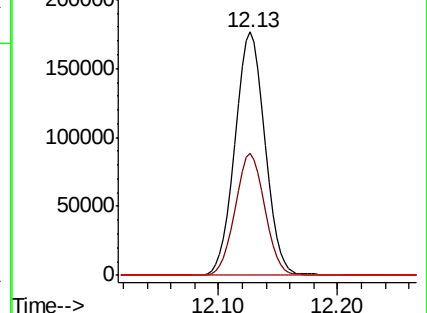
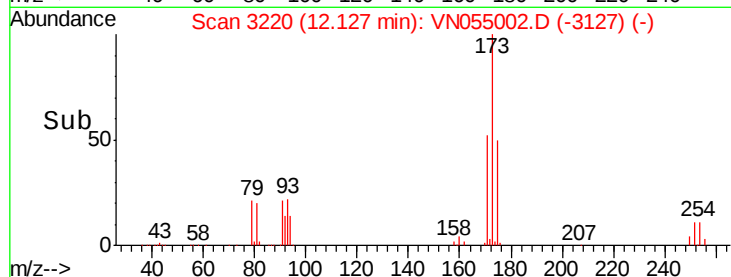
173 100

175 49.5 24.3 73.0

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: VN055002.D

Acq: 12 Apr 2019 16:32

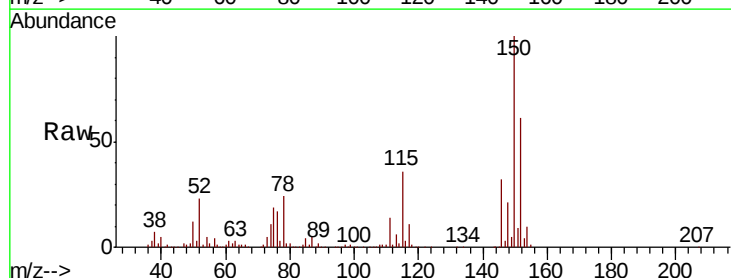
Tgt Ion:152 Resp: 284766

Ion Ratio Lower Upper

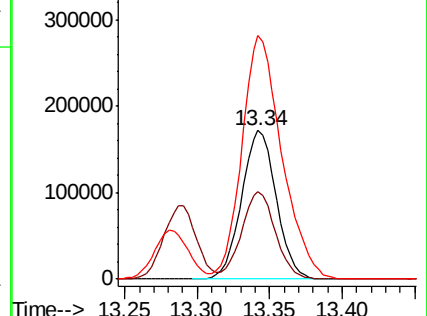
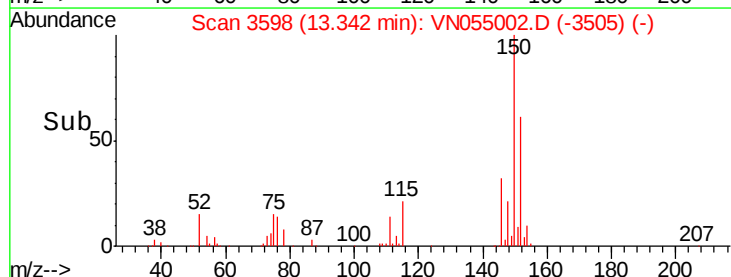
152 100

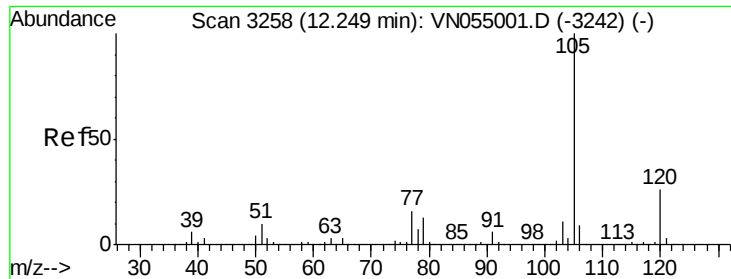
115 57.8 28.5 85.6

150 188.9 0.0 347.2



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: 88.621 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

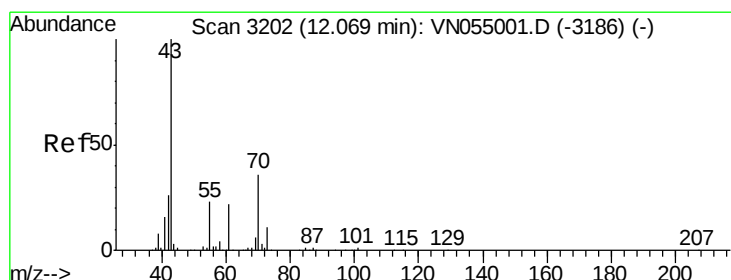
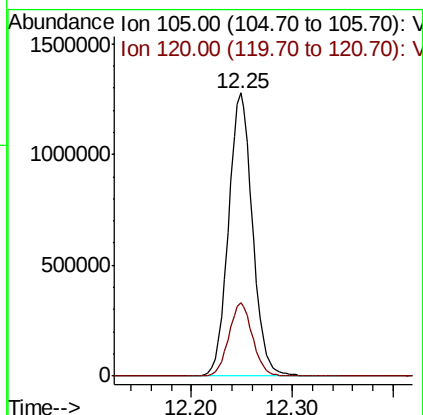
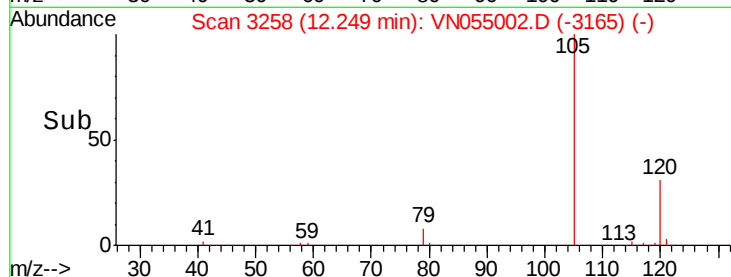
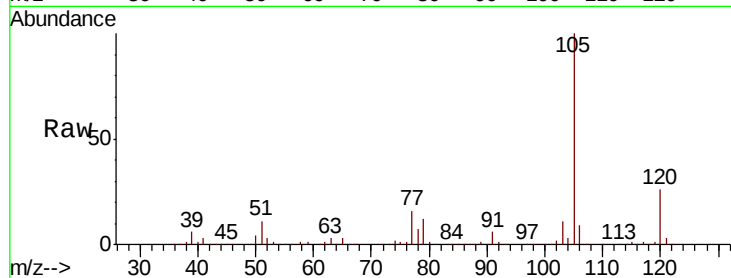
ClientSampled :

Tot Ion:105 Resp: 2117401

Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.9



#74

N-ethyl acetate

Concen: 109.041 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Tgt Ion: 43 Resp: 729572

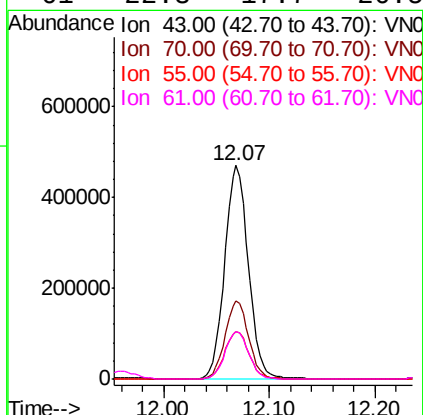
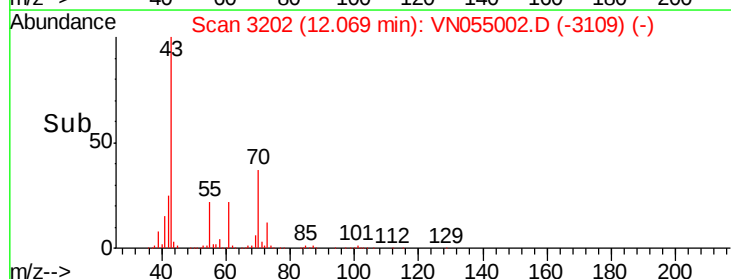
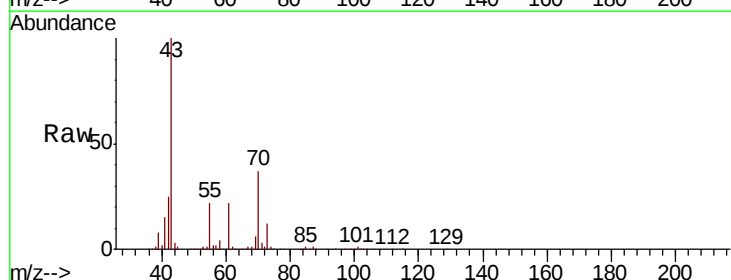
Ion Ratio Lower Upper

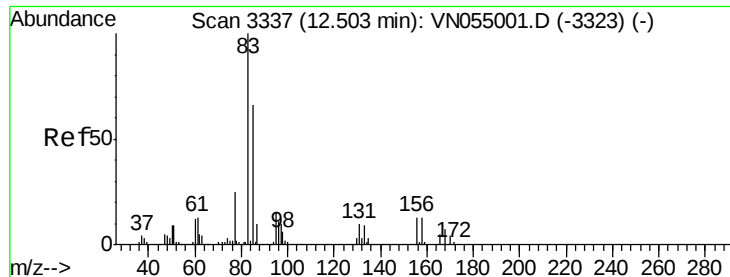
43 100

70 36.5 29.4 44.0

55 22.9 19.0 28.4

61 22.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 92.321 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

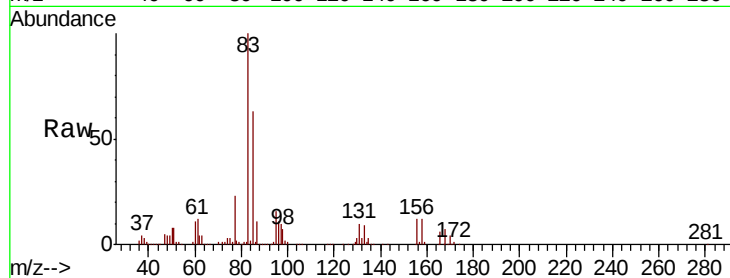
Tot Ion: 83 Resp: 549869

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

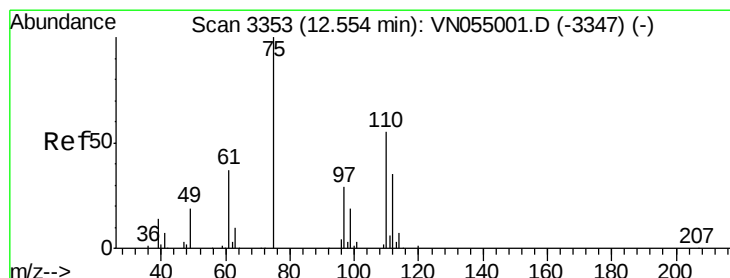
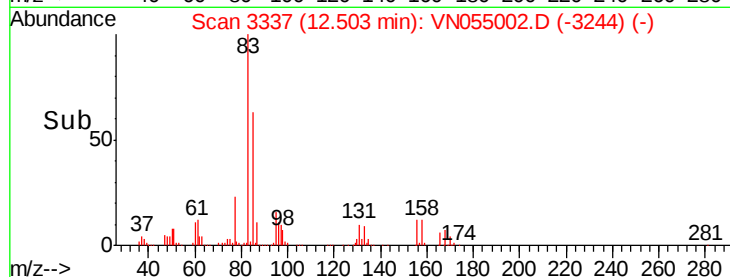
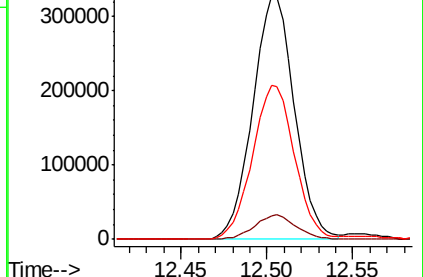
85 63.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055001.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 128.862 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055002.D

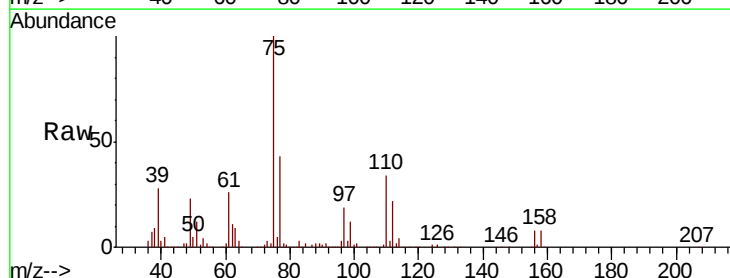
Acq: 12 Apr 2019 16:32

Tgt Ion: 75 Resp: 662753

Ion Ratio Lower Upper

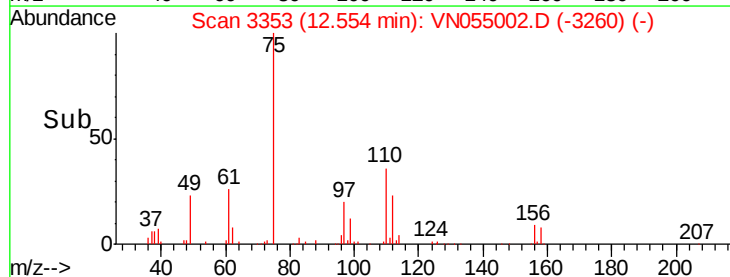
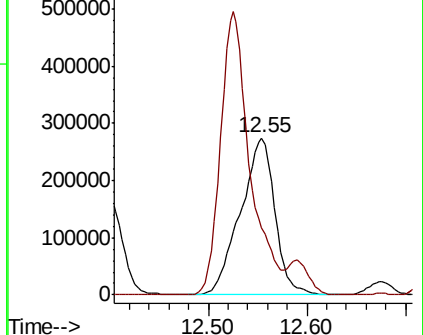
75 100

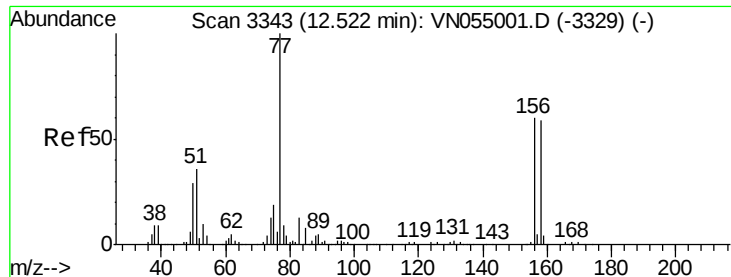
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3347) (-)





#77

Bromobenzene

Concen: 91.756 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

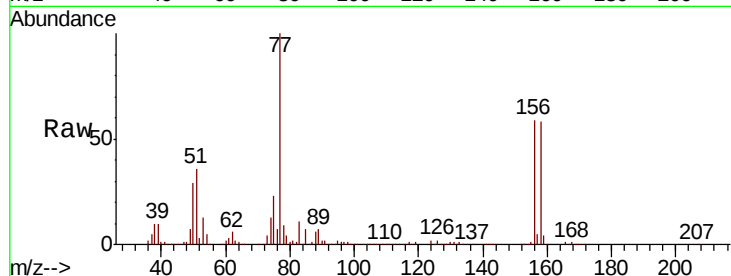
Tot Ion:156 Resp: 531616

Ion Ratio Lower Upper

156 100

77 195.0 97.2 291.5

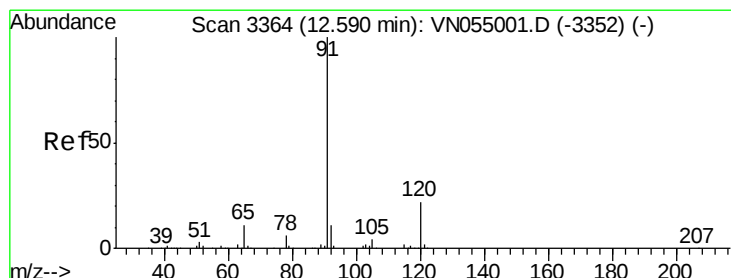
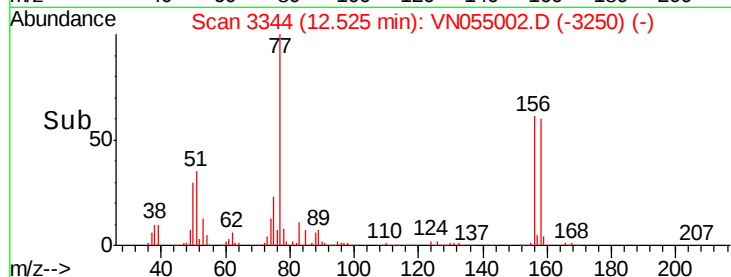
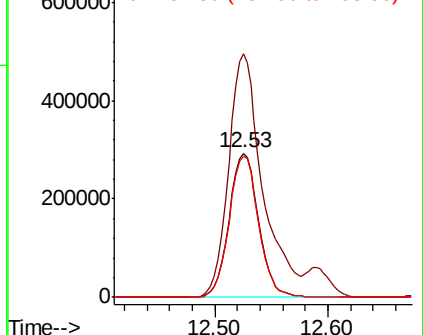
158 97.7 48.6 145.9



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: 91.497 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055002.D

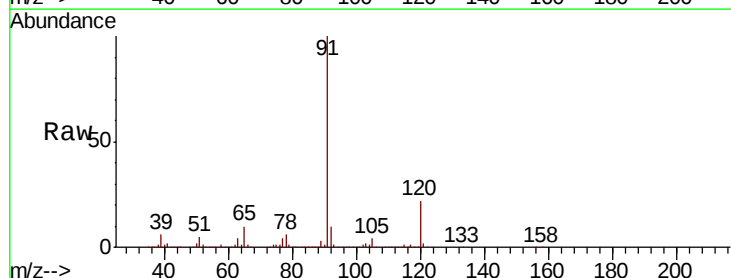
Acq: 12 Apr 2019 16:32

Tgt Ion: 91 Resp: 2409334

Ion Ratio Lower Upper

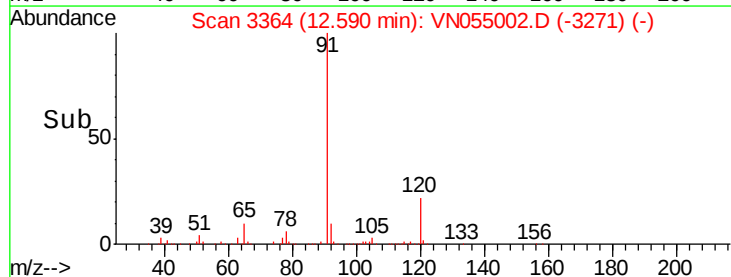
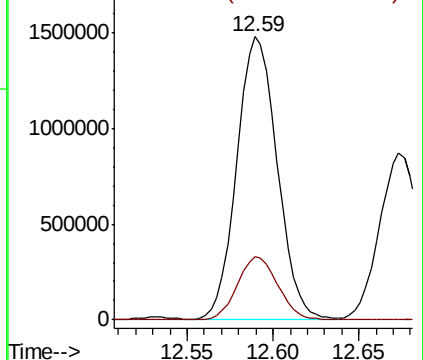
91 100

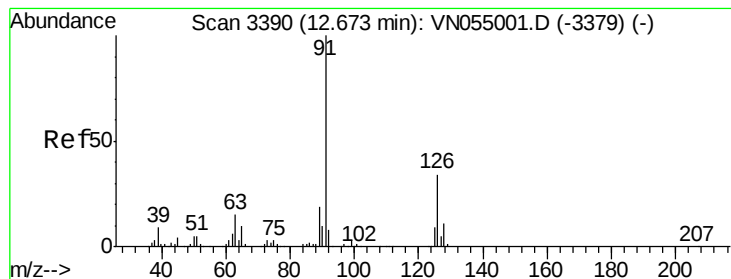
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 88.763 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

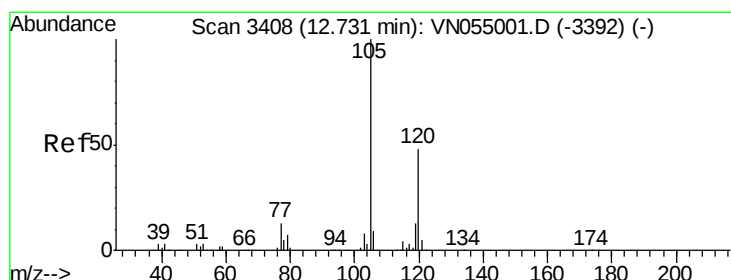
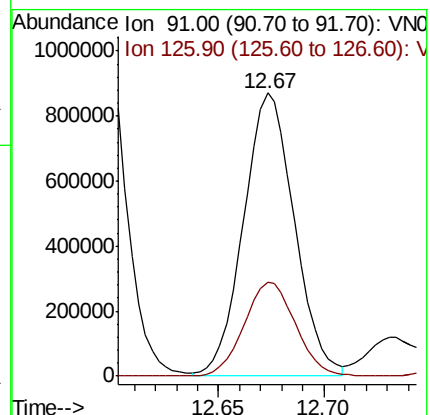
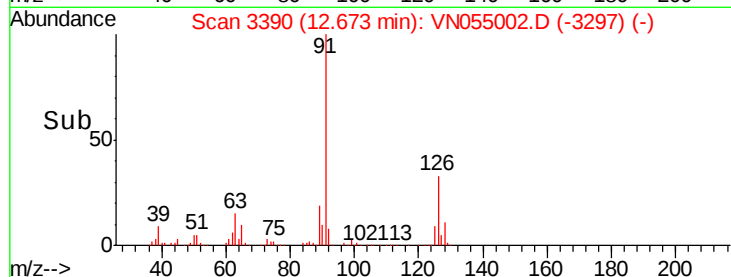
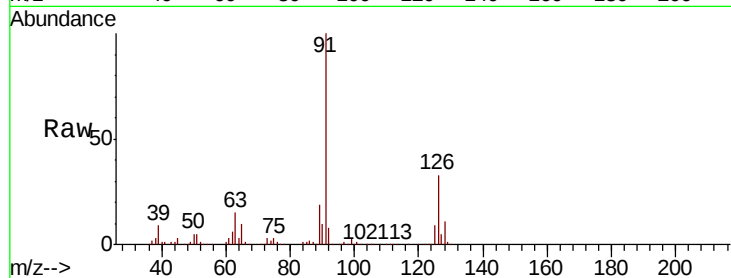
ClientSampled :

Tot Ion: 91 Resp: 1448582

Ion Ratio Lower Upper

91 100

126 34.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 91.218 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055002.D

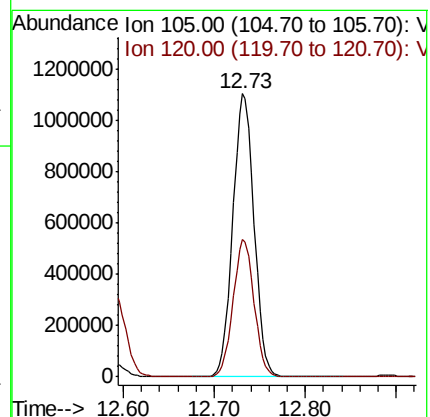
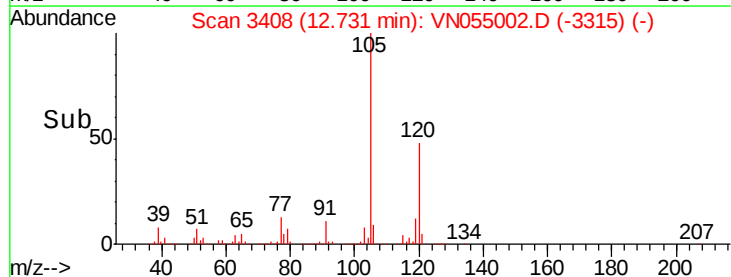
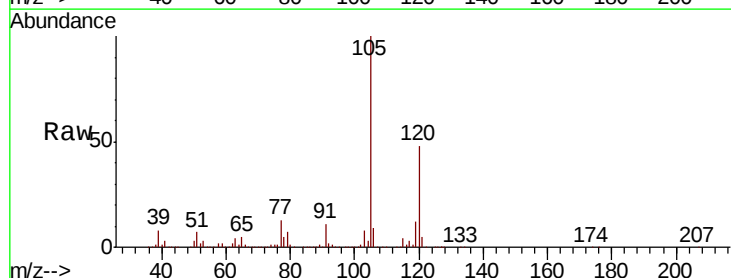
Acq: 12 Apr 2019 16:32

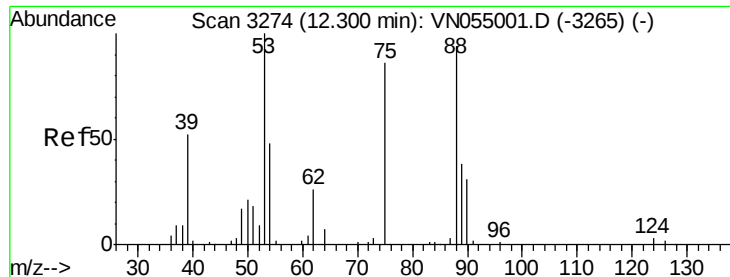
Tgt Ion:105 Resp: 1788695

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 112.586 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

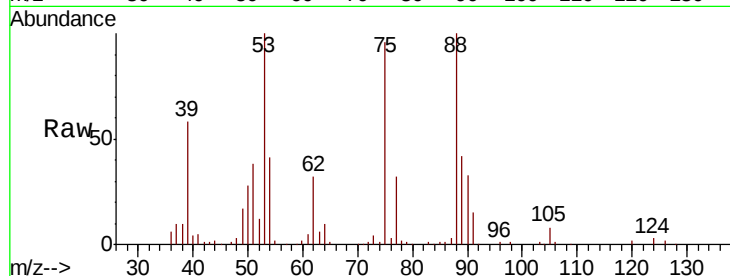
Tot Ion: 75 Resp: 138156

Ion Ratio Lower Upper

75 100

53 109.3 96.3 144.5

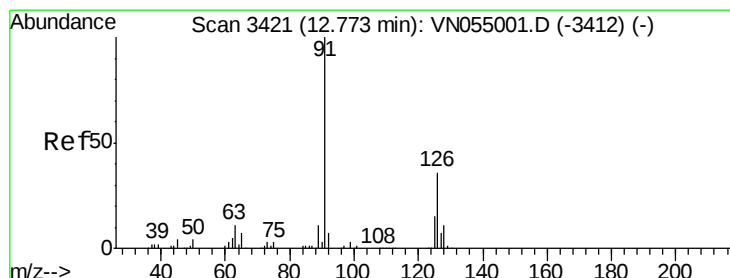
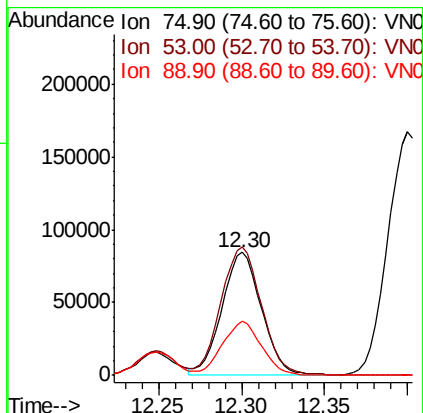
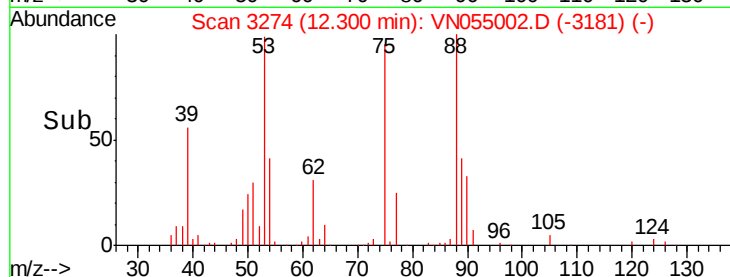
89 44.2 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 94.166 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055002.D

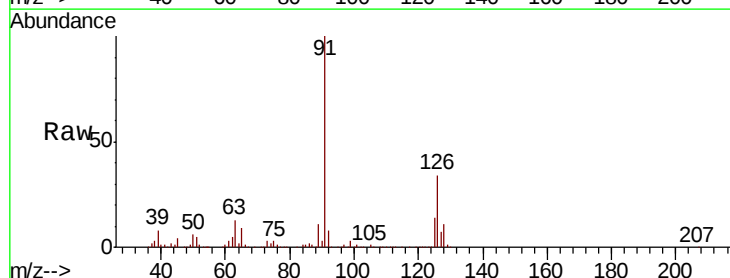
Acq: 12 Apr 2019 16:32

Tgt Ion: 91 Resp: 1453347

Ion Ratio Lower Upper

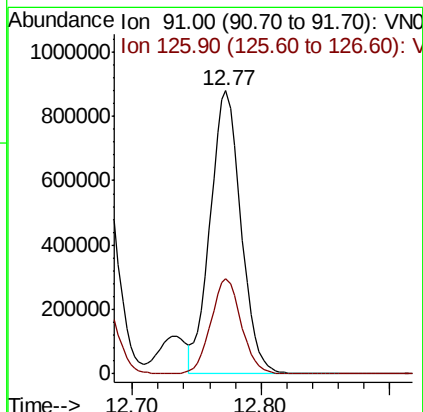
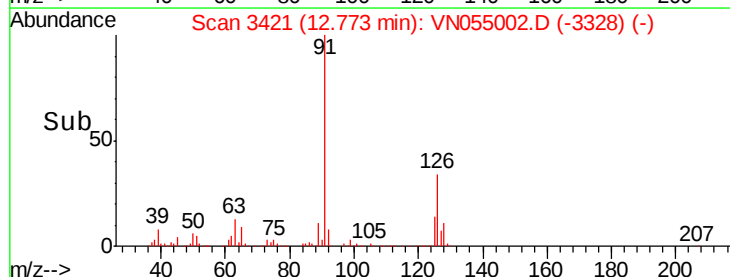
91 100

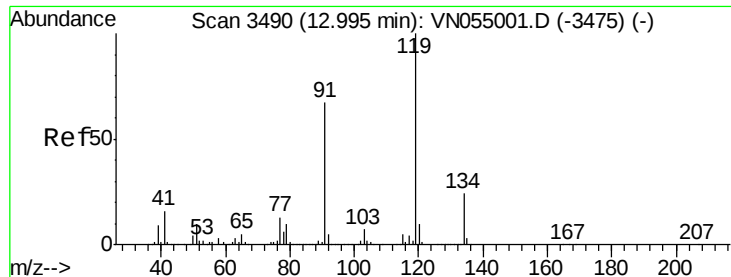
126 33.3 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

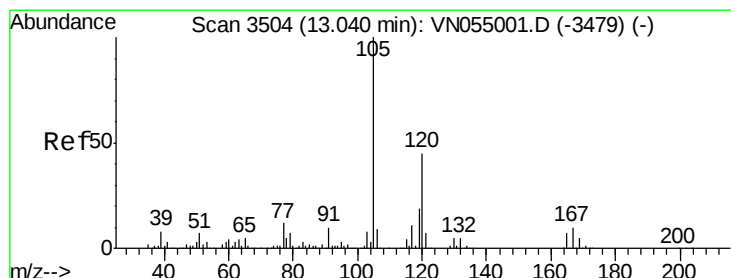
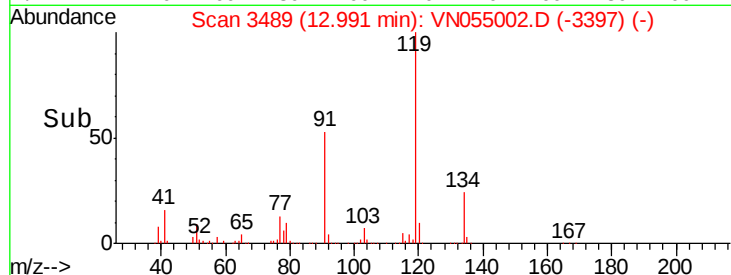
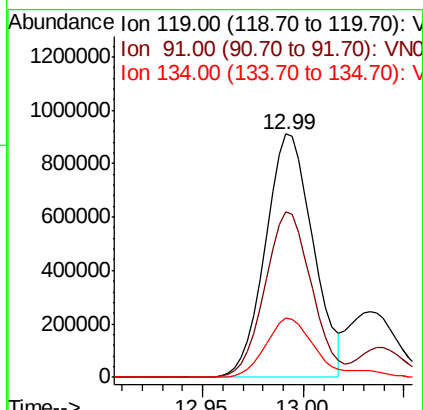
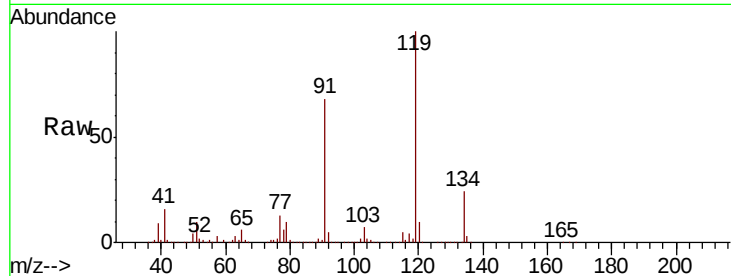




#83
tert-Butylbenzene
Concen: 89.370 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

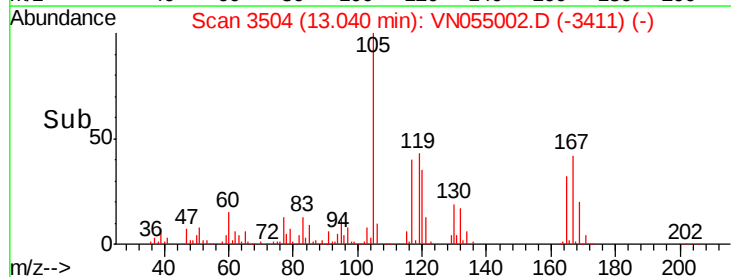
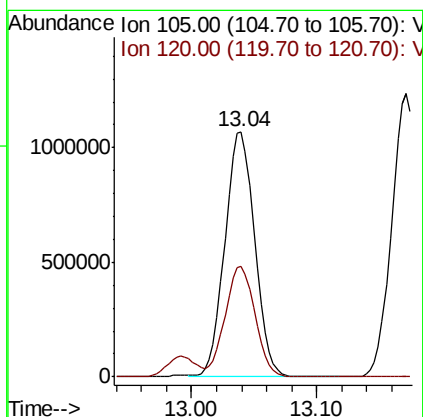
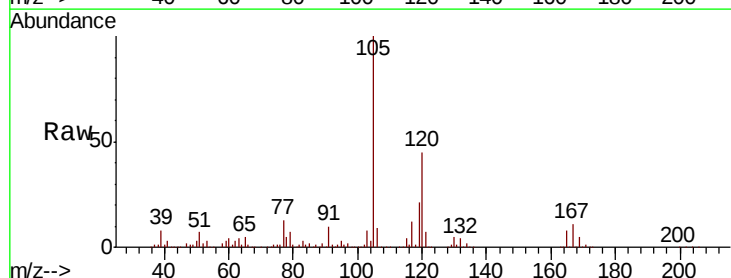
Instrument :
MSVOA_N
ClientSampled :

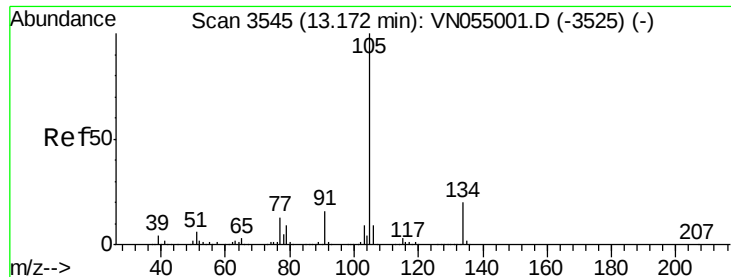
Tot Ion:119 Resp: 1494690
Ion Ratio Lower Upper
119 100
91 66.8 33.3 99.8
134 26.3 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 92.827 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055002.D
Acq: 12 Apr 2019 16:32

Tgt Ion:105 Resp: 1759682
Ion Ratio Lower Upper
105 100
120 45.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 90.536 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

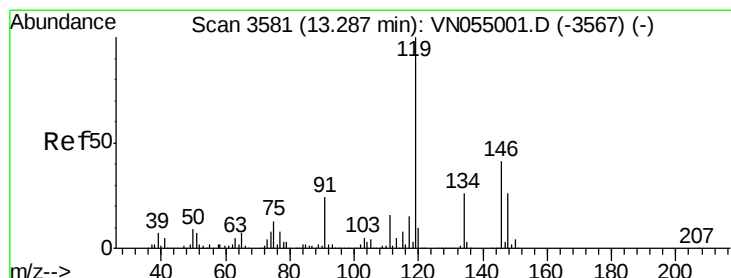
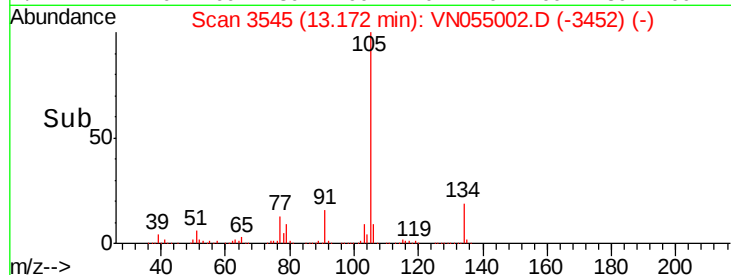
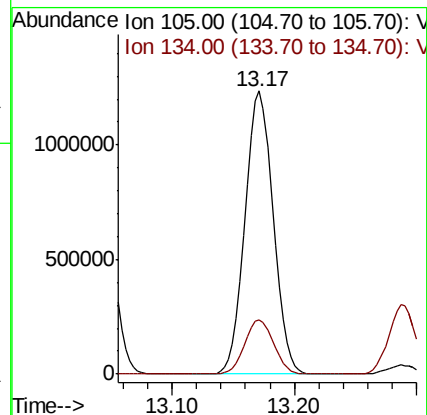
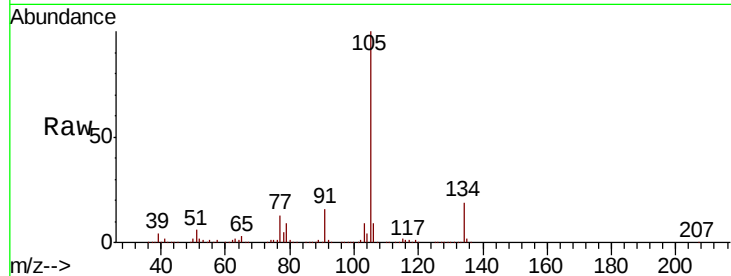
ClientSampled :

Tot Ion:105 Resp: 1958642

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 94.461 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

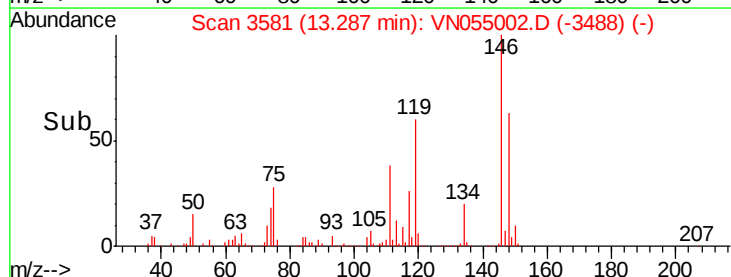
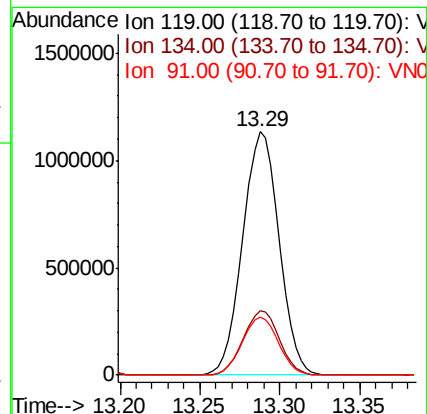
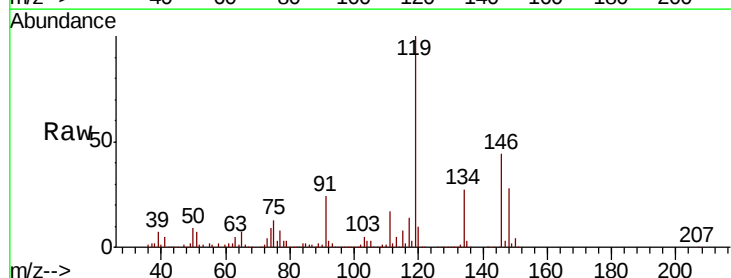
Tgt Ion:119 Resp: 1759049

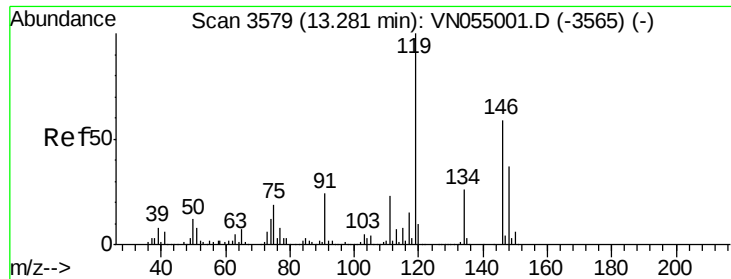
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.6 11.7 35.1

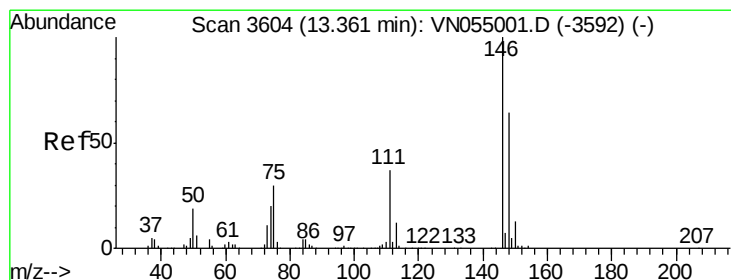
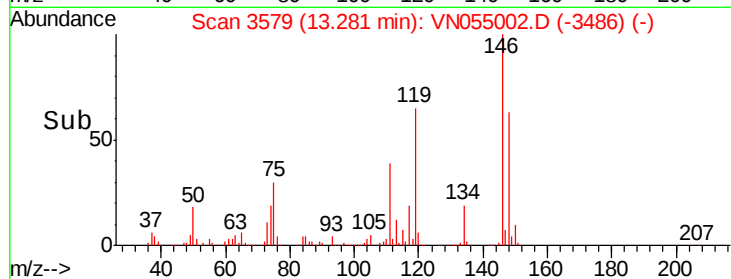
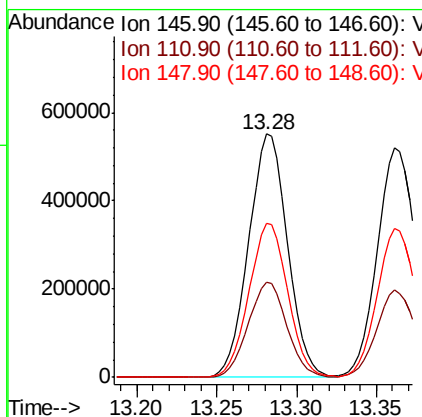
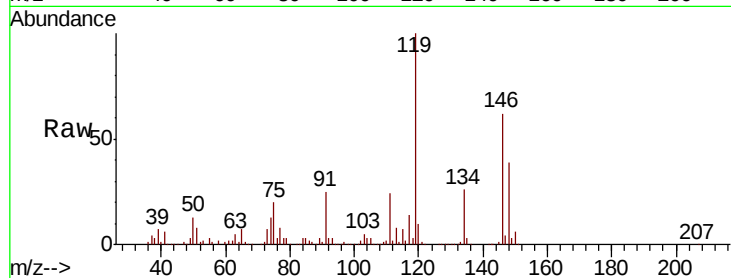




#87
 1,3-Dichlorobenzene
 Concen: 95.484 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

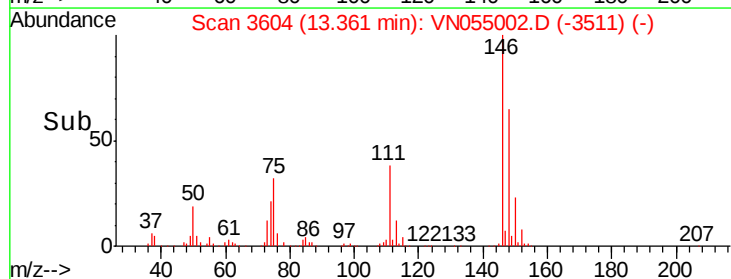
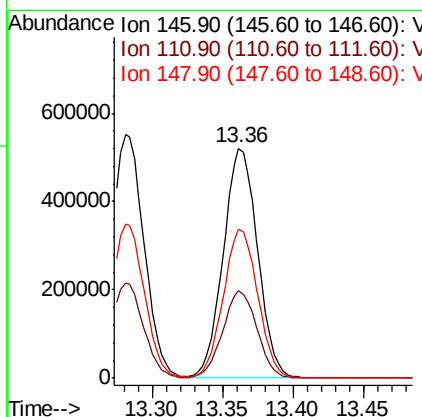
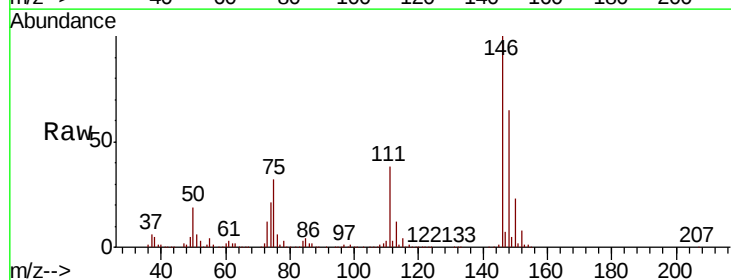
Instrument :
 MSVOA_N
 ClientSampleId :

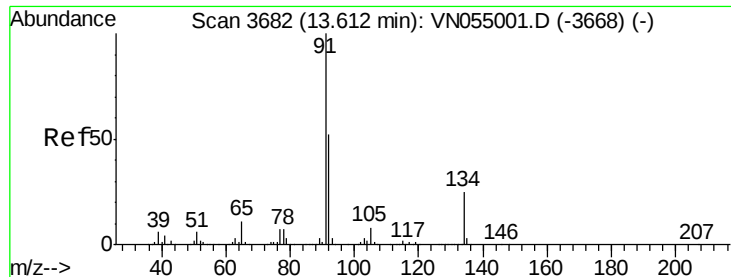
Tot Ion:146 Resp: 917089
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.4 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 96.626 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion:146 Resp: 884662
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 65.1 32.4 97.2





#89

n-Butylbenzene

Concen: 101.958 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampled :

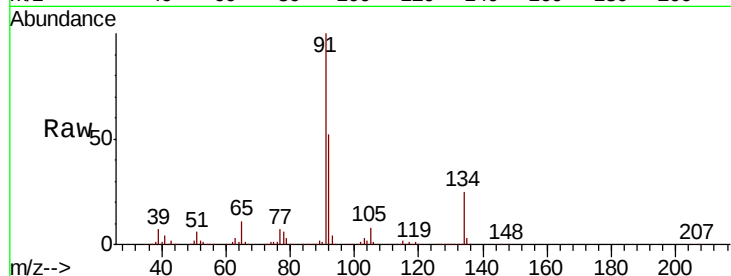
Tot Ion: 91 Resp: 1506769

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.7

134 25.5 12.8 38.3

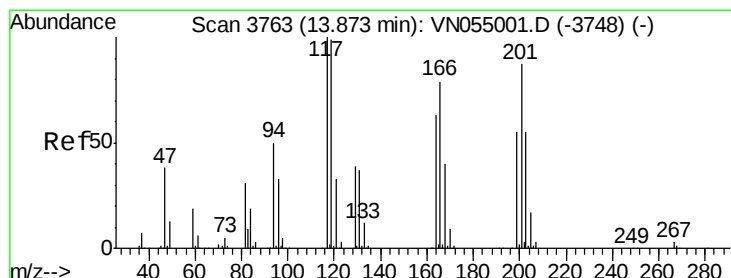
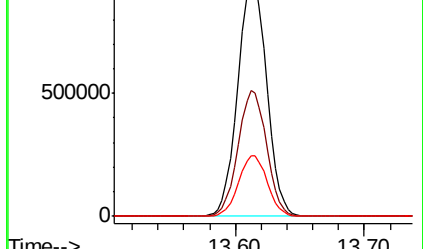
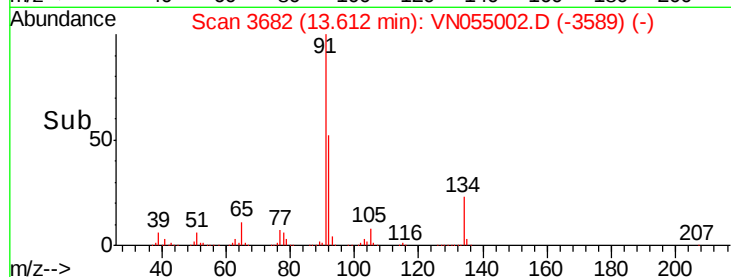


Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 94.670 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055002.D

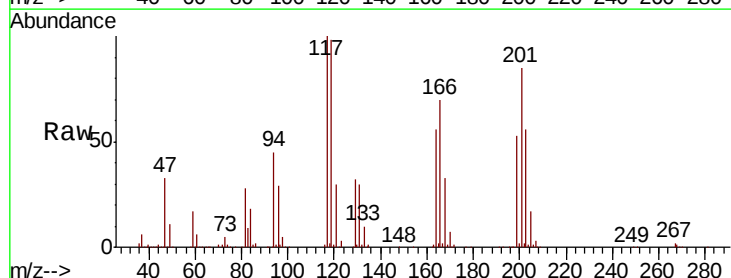
Acq: 12 Apr 2019 16:32

Tgt Ion: 117 Resp: 293231

Ion Ratio Lower Upper

117 100

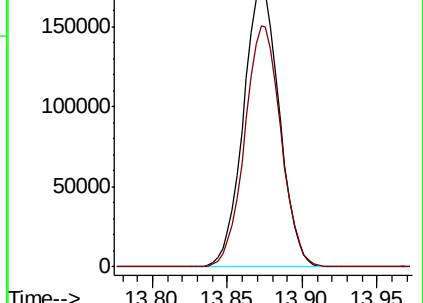
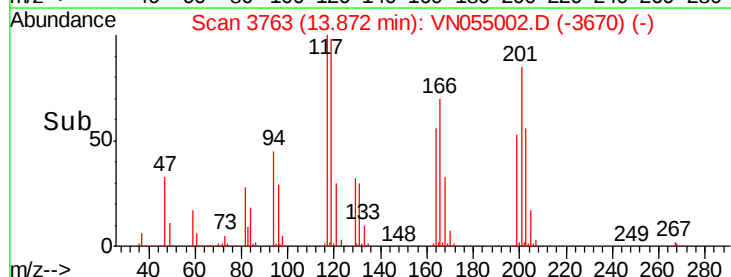
201 86.3 43.4 130.2

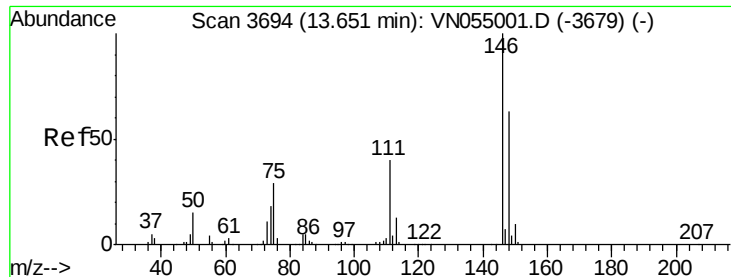


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 93.805 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

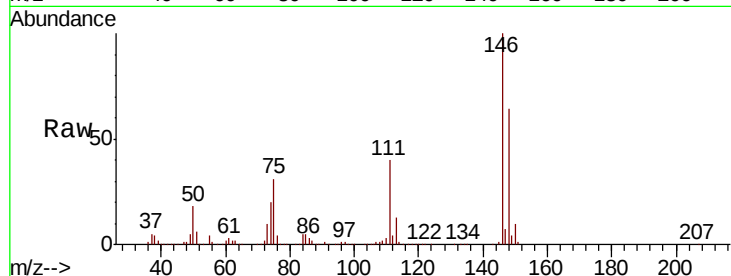
Tot Ion:146 Resp: 887310

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

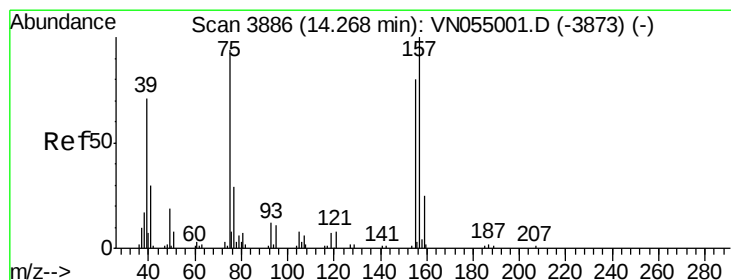
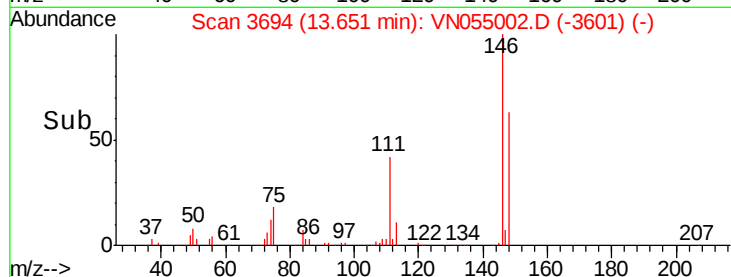
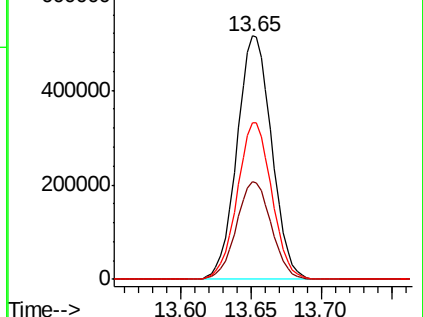
148 63.8 32.2 96.6



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: 102.330 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

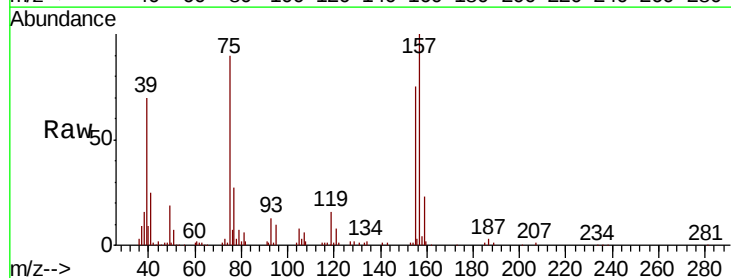
Tgt Ion: 75 Resp: 84817

Ion Ratio Lower Upper

75 100

155 85.6 42.0 126.0

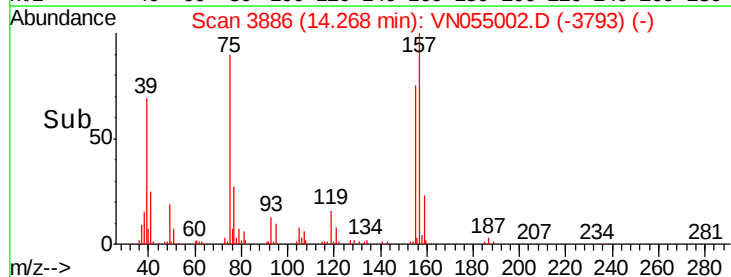
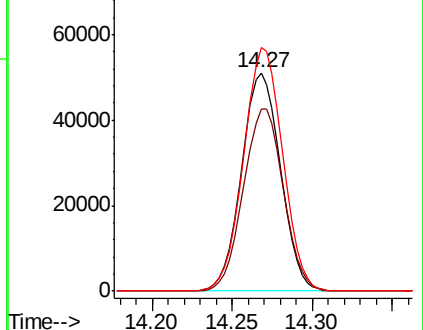
157 112.0 52.1 156.4

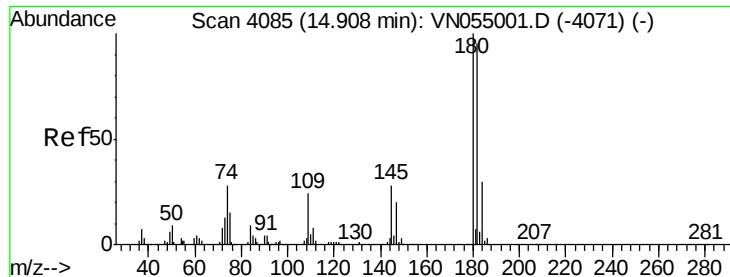


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

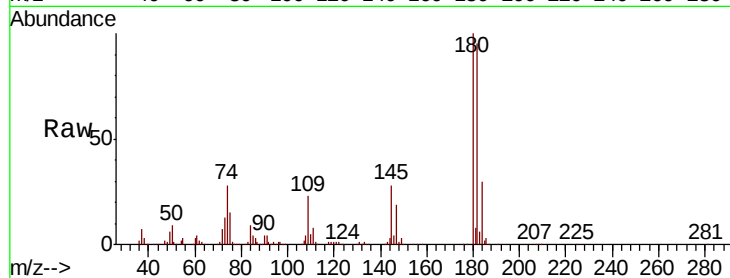




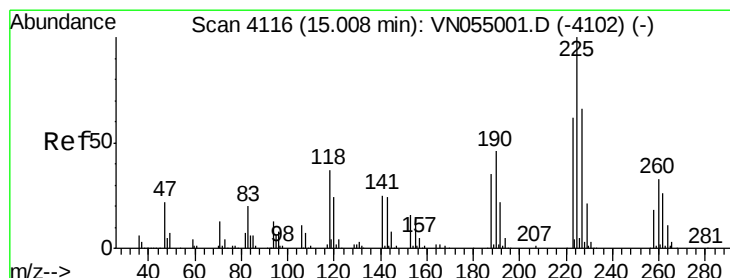
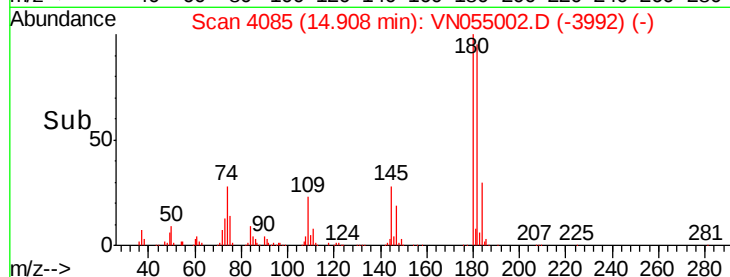
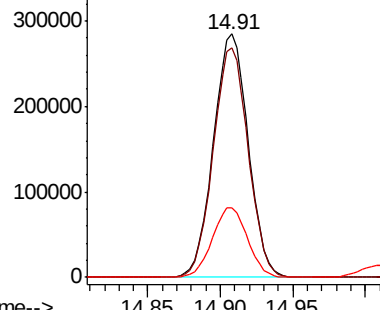
#93
 1,2,4-Trichlorobenzene
 Concen: 114.175 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 474840
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.5 142.6
 145 28.8 14.2 42.8

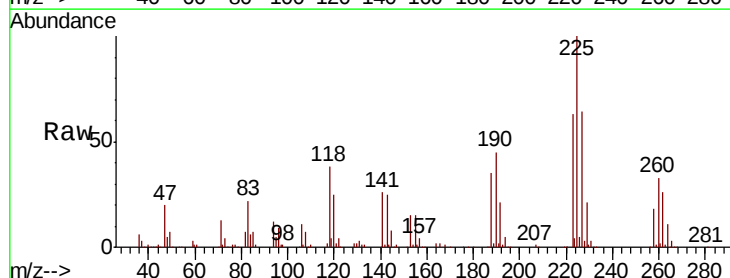


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

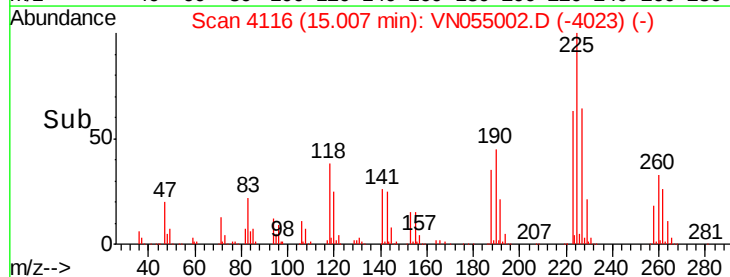
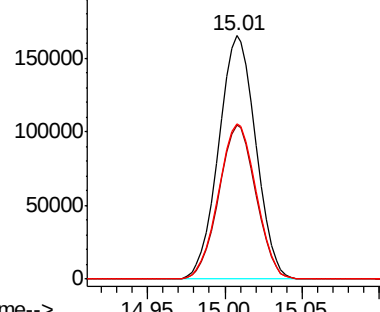


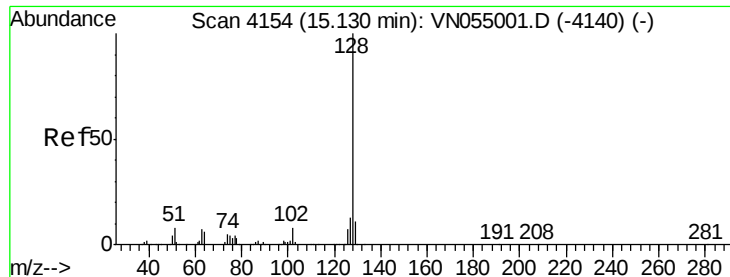
#94
 Hexachlorobutadiene
 Concen: 87.254 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055002.D
 Acq: 12 Apr 2019 16:32

Tgt Ion:225 Resp: 276545
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.0
 227 64.8 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 120.667 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

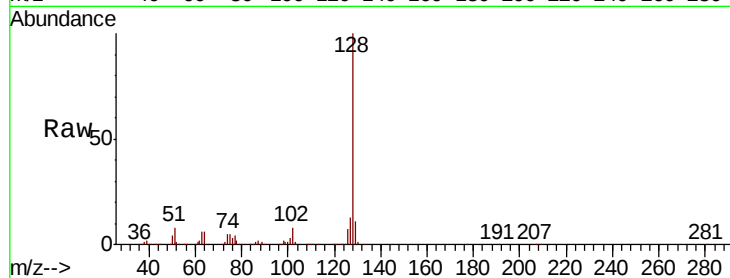
Tot Ion:128 Resp: 1108322

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

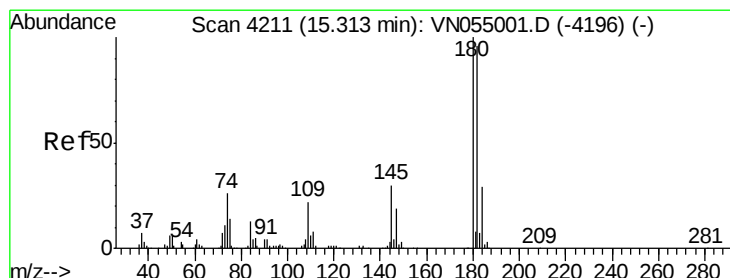
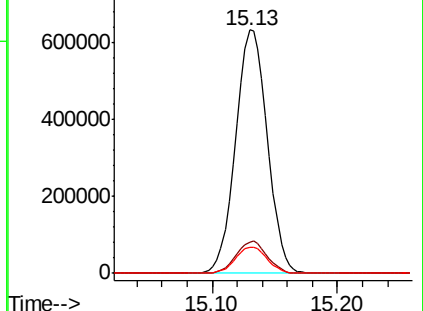
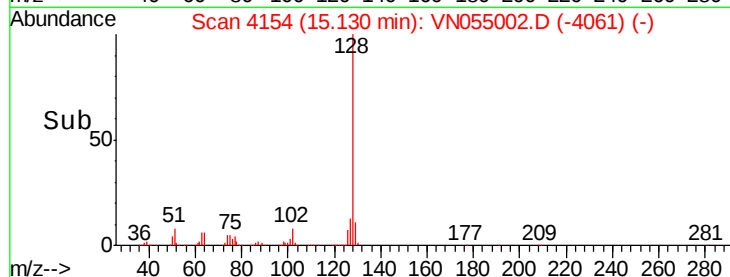
129 10.8 8.8 13.2



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: 108.140 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055002.D

Acq: 12 Apr 2019 16:32

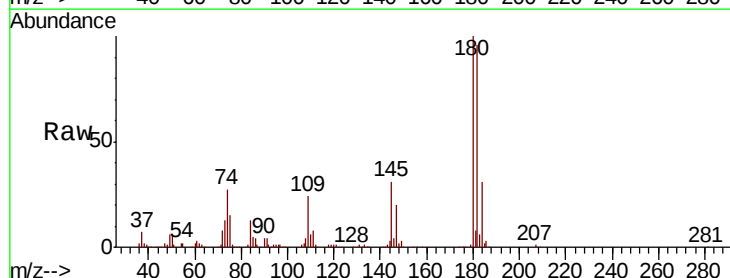
Tgt Ion:180 Resp: 467278

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.0

145 30.8 15.3 45.9



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

