

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055569.D
 Acq On : 13 May 2019 10:51
 Operator : JC/SP
 Sample : VN0513WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Quant Time: May 14 01:46:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	676377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1155557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	983101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	382541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475873	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	374917	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	1422786	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	467882	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129441	18.797	ug/l	98
3) Chloromethane	2.06	50	198466	17.740	ug/l	99
4) Vinyl Chloride	2.19	62	198715	18.817	ug/l	100
5) Bromomethane	2.57	94	123164	21.286	ug/l	100
6) Chloroethane	2.71	64	120603	19.606	ug/l	97
7) Trichlorofluoromethane	3.02	101	235819	20.355	ug/l	98
8) Diethyl Ether	3.41	74	102034	19.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149796	20.322	ug/l	98
10) Methyl Iodide	3.95	142	170863	17.150	ug/l	99
11) Tert butyl alcohol	4.81	59	115506	76.816	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142766	19.313	ug/l	97
13) Acrolein	3.61	56	87873	87.685	ug/l	98
14) Allyl chloride	4.32	41	283562	18.726	ug/l	99
15) Acrylonitrile	4.99	53	416725	89.501	ug/l	99
16) Acetone	3.82	43	439320	93.165	ug/l	99
17) Carbon Disulfide	4.05	76	382788	18.972	ug/l	98
18) Methyl Acetate	4.33	43	183373	17.819	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	467937	19.050	ug/l	98
20) Methylene Chloride	4.55	84	179363	18.602	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	157434	19.643	ug/l	94
22) Diisopropyl ether	5.96	45	589910	19.170	ug/l	97
23) Vinyl Acetate	5.90	43	2194027	92.193	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325560	19.598	ug/l	100
25) 2-Butanone	6.84	43	580420	89.105	ug/l	99
26) 2,2-Dichloropropane	6.82	77	211555	20.429	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	186222	20.104	ug/l	98
28) Bromochloromethane	7.20	49	166078	19.252	ug/l	94
29) Tetrahydrofuran	7.22	42	372443	86.490	ug/l	98
30) Chloroform	7.37	83	308910	20.116	ug/l	99
31) Cyclohexane	7.66	56	303708	18.479	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	238480	20.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	228312	20.055	ug/l	98
37) Ethyl Acetate	6.93	43	220633	17.767	ug/l	99
38) Carbon Tetrachloride	7.77	117	195127	20.355	ug/l	99

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 Data File : VN055569.D
 Acq On : 13 May 2019 10:51
 Operator : JC/SP
 Sample : VN0513WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Quant Time: May 14 01:46:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	274692	19.790	ug/l	98
40) Benzene	8.04	78	713081	20.182	ug/l	99
41) Methacrylonitrile	7.17	41	100960	17.516	ug/l	93
42) 1,2-Dichloroethane	8.13	62	236532	19.055	ug/l	99
43) Isopropyl Acetate	8.17	43	344871	18.280	ug/l	96
44) Trichloroethene	8.84	130	176233	20.963	ug/l	95
45) 1,2-Dichloropropane	9.12	63	198895	19.674	ug/l	99
46) Dibromomethane	9.21	93	116200	19.830	ug/l	96
47) Bromodichloromethane	9.40	83	228248	20.361	ug/l	97
48) Methyl methacrylate	9.20	41	160185	17.622	ug/l	97
49) 1,4-Dioxane	9.20	88	44950	253.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1095244	88.268	ug/l	100
52) Toluene	10.16	92	408914	20.244	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	219700	20.406	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	260274	20.231	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	164469	20.096	ug/l	98
56) Ethyl methacrylate	10.43	69	222227	18.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	287120	19.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	275905	76.471	ug/l	99
59) 2-Hexanone	10.75	43	753821	86.628	ug/l	100
60) Dibromochloromethane	10.90	129	159694	21.462	ug/l	98
61) 1,2-Dibromoethane	11.01	107	154369	19.632	ug/l	99
64) Tetrachloroethene	10.63	164	164384	20.406	ug/l	97
65) Chlorobenzene	11.43	112	416184	20.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148888	21.383	ug/l	98
67) Ethyl Benzene	11.51	91	753677	19.840	ug/l	99
68) m/p-Xylenes	11.62	106	546382	40.079	ug/l	100
69) o-Xylene	11.95	106	265218	19.794	ug/l	100
70) Styrene	11.96	104	436181	20.319	ug/l	99
71) Bromoform	12.13	173	97895	20.834	ug/l #	100
73) Isopropylbenzene	12.25	105	720602	21.413	ug/l	100
74) N-amyl acetate	12.07	43	234981	16.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	225960	20.594	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	258884	24.859	ug/l #	100
77) Bromobenzene	12.53	156	164940	19.565	ug/l	94
78) n-propylbenzene	12.59	91	793763	19.346	ug/l	99
79) 2-Chlorotoluene	12.67	91	492142	19.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	589972	19.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50577	17.920	ug/l	97
82) 4-Chlorotoluene	12.77	91	469147	19.417	ug/l	99
83) tert-Butylbenzene	12.99	119	500010	19.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	544500	19.406	ug/l	100
85) sec-Butylbenzene	13.17	105	668111	19.170	ug/l	98
86) p-Isopropyltoluene	13.29	119	549738	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	261032	20.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254471	19.794	ug/l	99
89) n-Butylbenzene	13.61	91	404777	18.411	ug/l	99
90) Hexachloroethane	13.87	117	94448	20.413	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	261680	20.099	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30819	17.520	ug/l	99

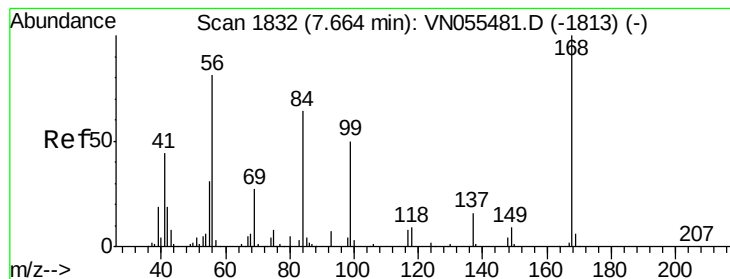
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
Data File : VN055569.D
Acq On : 13 May 2019 10:51
Operator : JC/SP
Sample : VN0513WBS01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Quant Time: May 14 01:46:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82228	16.781	ug/l	99
94) Hexachlorobutadiene	15.01	225	89640	21.960	ug/l	98
95) Naphthalene	15.13	128	208066	15.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	93666	16.942	ug/l	98

(#) = 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: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

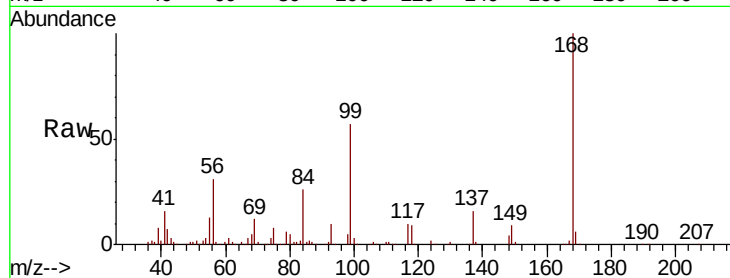
VN0513WBS01

Tot Ion:168 Resp: 676377

Ion Ratio Lower Upper

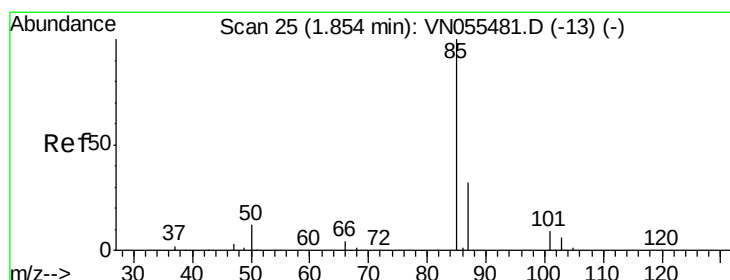
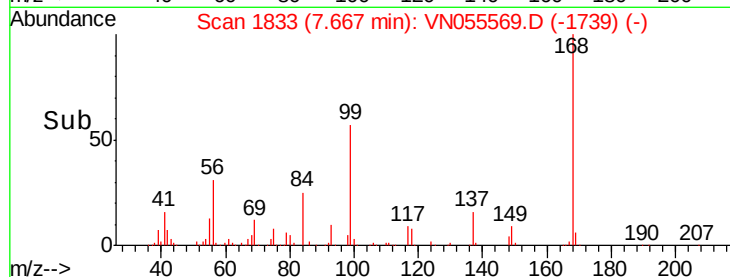
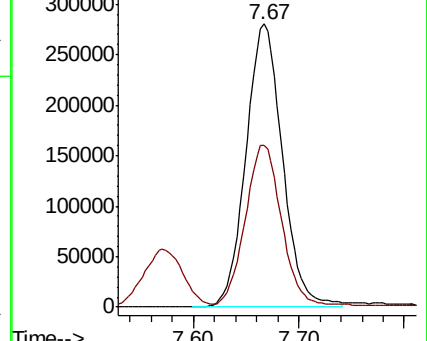
168 100

99 56.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055481.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055481.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055569.D

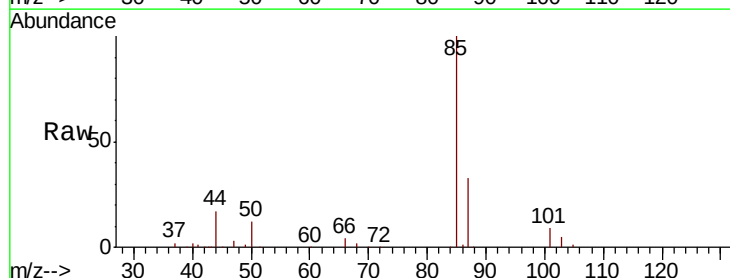
Acq: 13 May 2019 10:51

Tgt Ion: 85 Resp: 129441

Ion Ratio Lower Upper

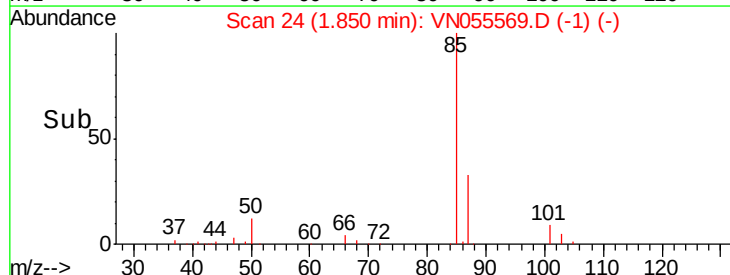
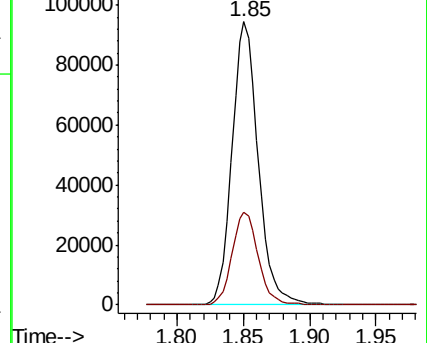
85 100

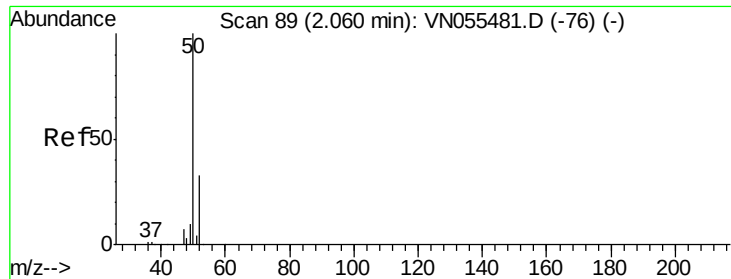
87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN055481.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055481.D (-13) (-)





#3

Chloromethane

Concen: 17.740 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

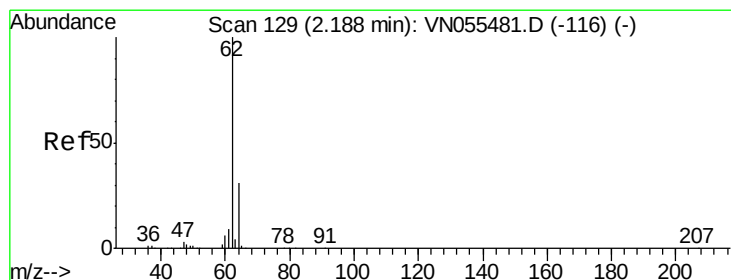
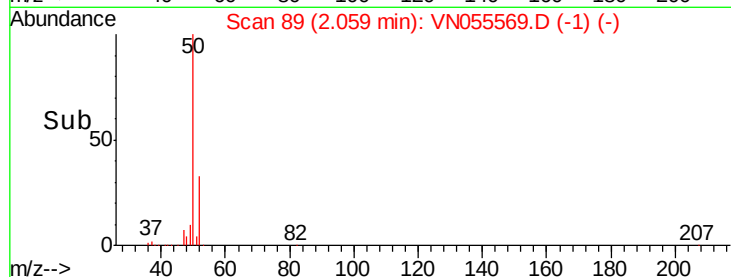
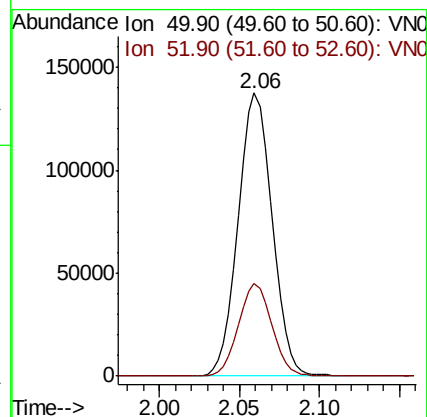
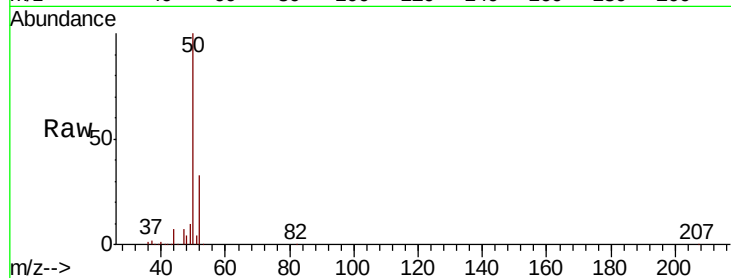
VN0513WBS01

Tot Ion: 50 Resp: 198466

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055569.D

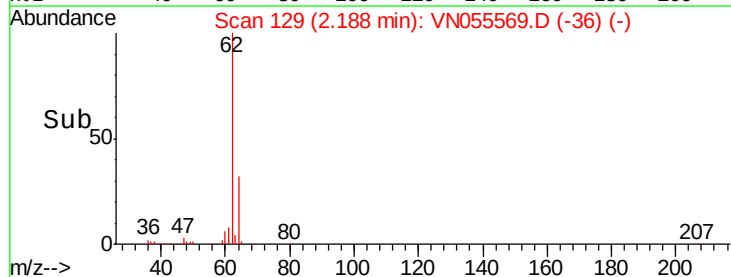
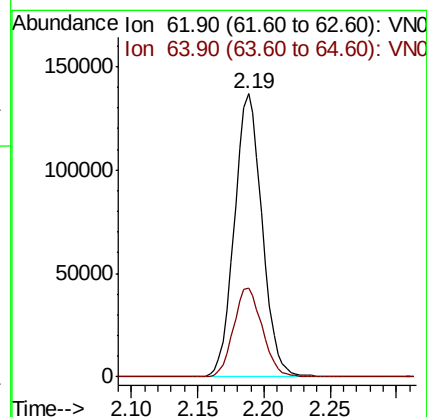
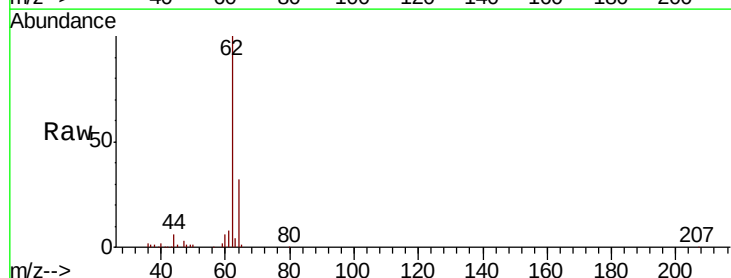
Acq: 13 May 2019 10:51

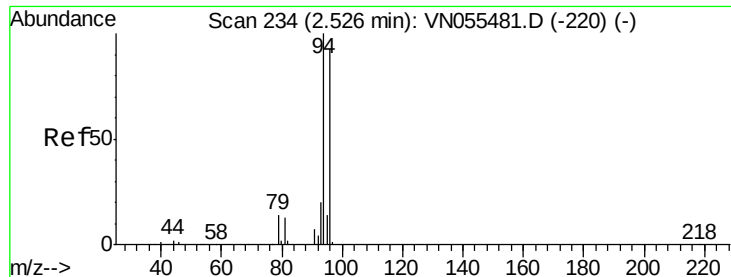
Tgt Ion: 62 Resp: 198715

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 21.286 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.04 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

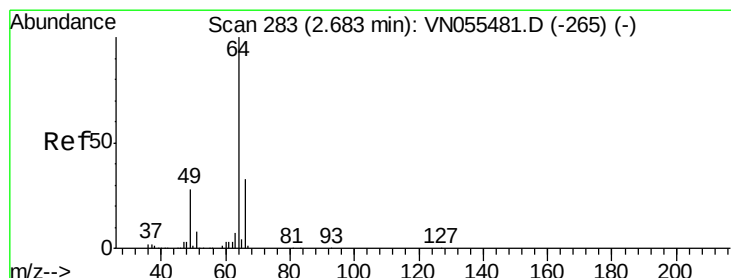
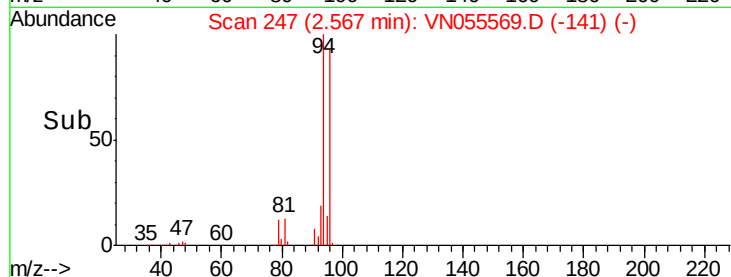
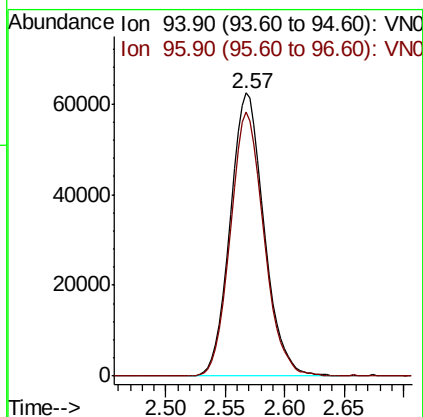
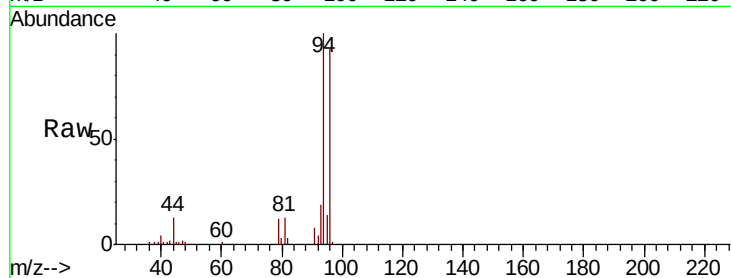
VN0513WBS01

Tot Ion: 94 Resp: 123164

Ion Ratio Lower Upper

94 100

96 93.3 74.8 112.2



#6

Chloroethane

Concen: 19.606 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.02 min

Lab File: VN055569.D

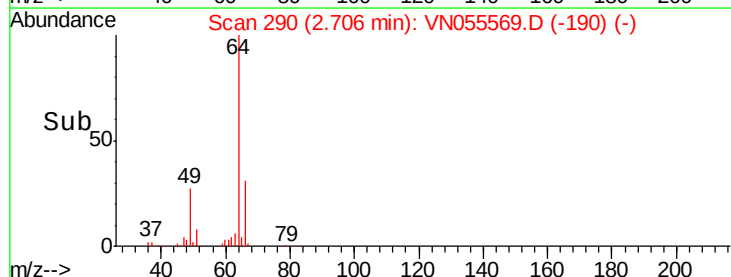
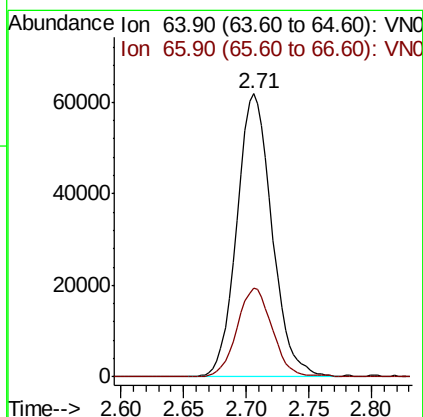
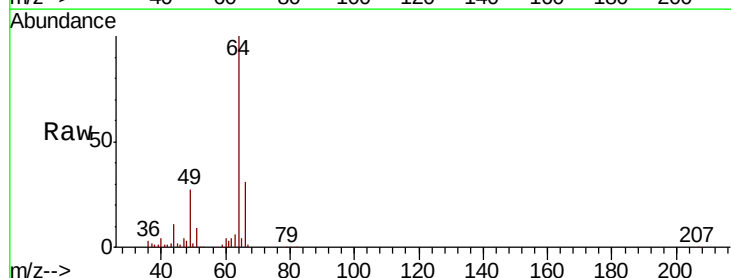
Acq: 13 May 2019 10:51

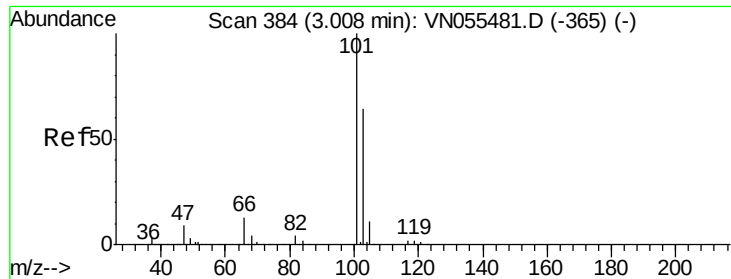
Tgt Ion: 64 Resp: 120603

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2



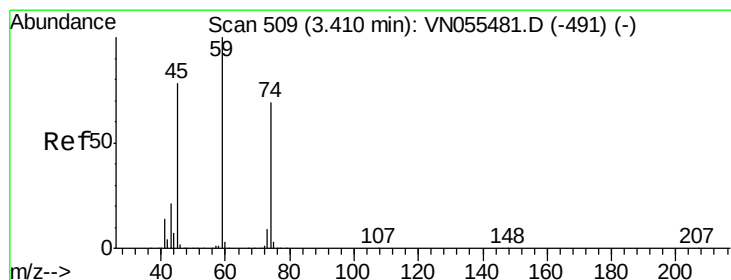
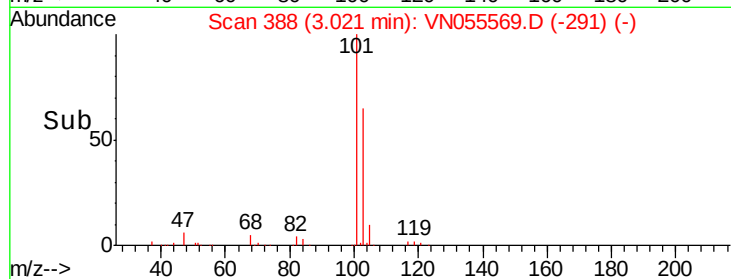
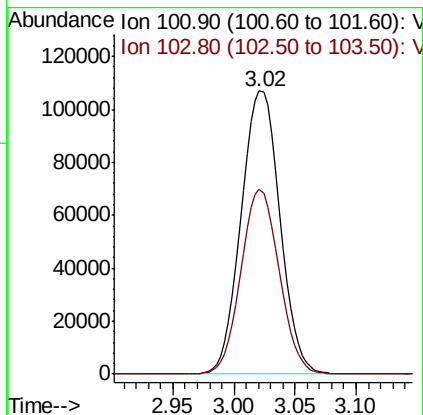
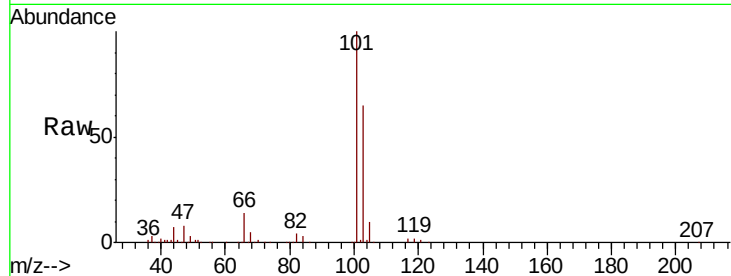


#7

Trichlorofluoromethane
 Concen: 20.355 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

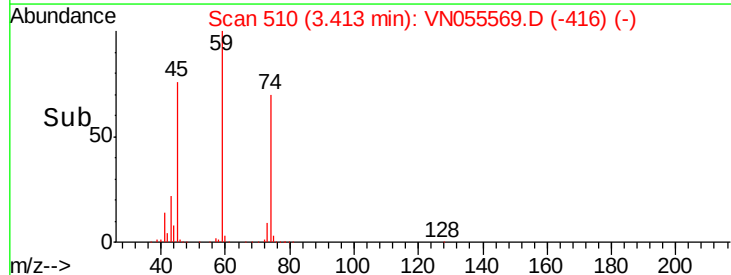
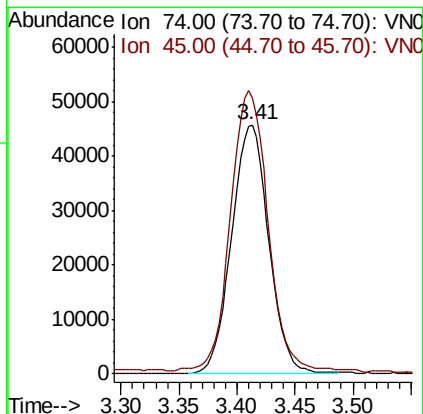
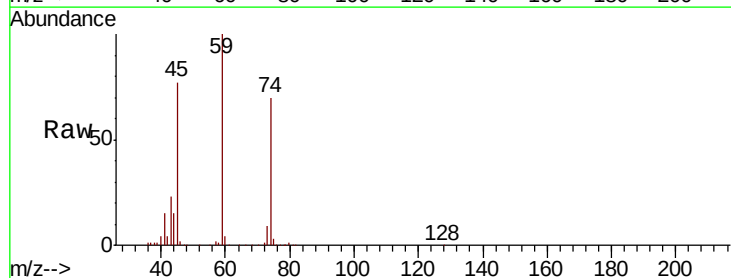
Tot Ion:101 Resp: 235819
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8

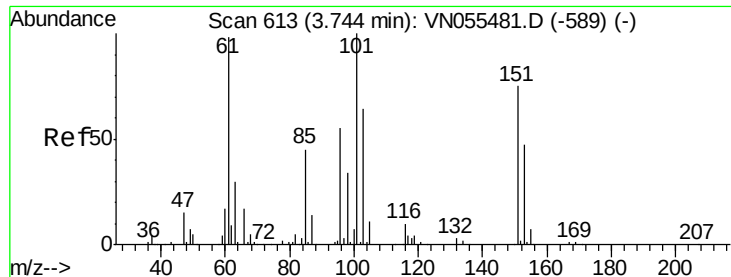


#8

Diethyl Ether
 Concen: 19.610 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 74 Resp: 102034
 Ion Ratio Lower Upper
 74 100
 45 112.5 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.322 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

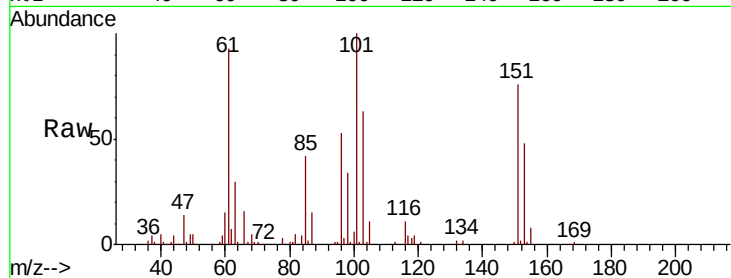
Tot Ion:101 Resp: 149796

Ion Ratio Lower Upper

101 100

85 43.2 35.5 53.3

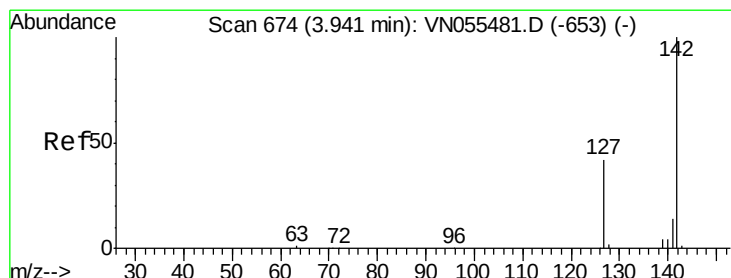
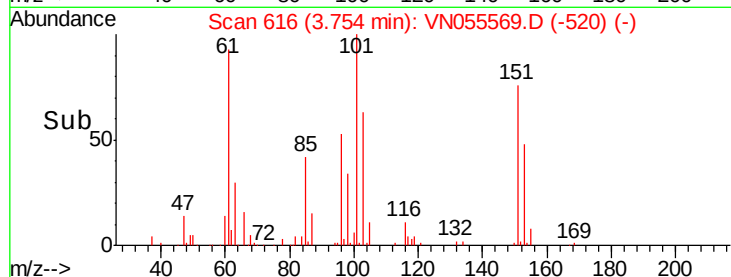
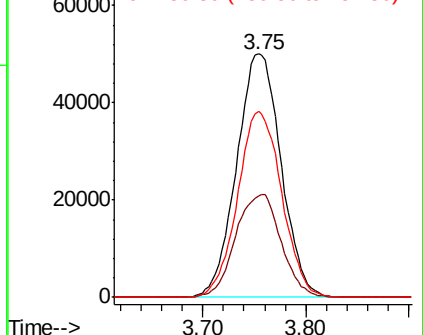
151 75.7 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.150 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

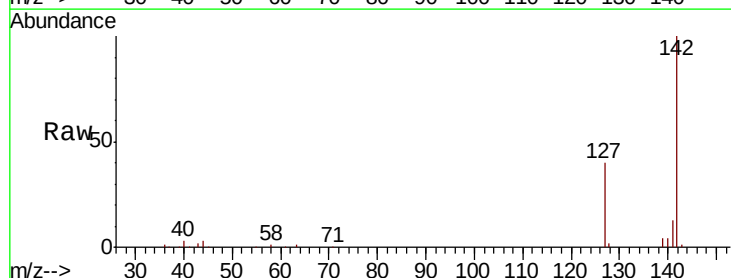
Tgt Ion:142 Resp: 170863

Ion Ratio Lower Upper

142 100

127 40.5 33.0 49.4

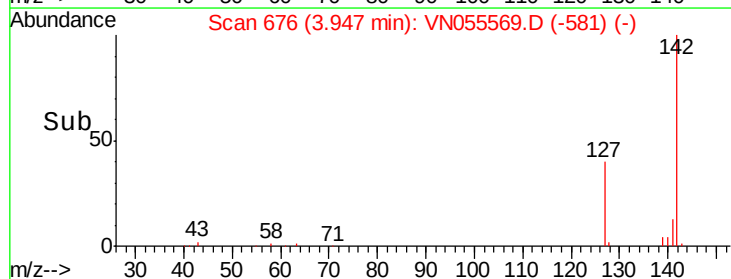
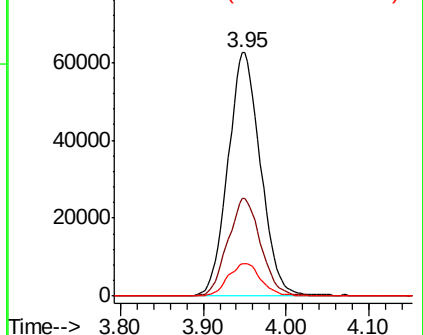
141 13.5 11.4 17.0

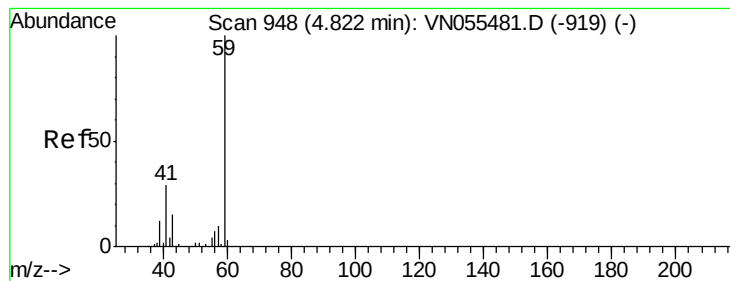


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



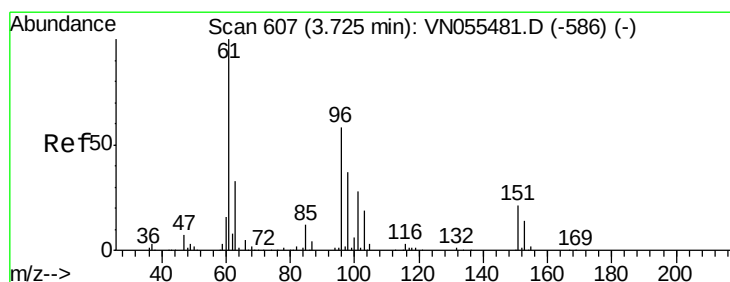
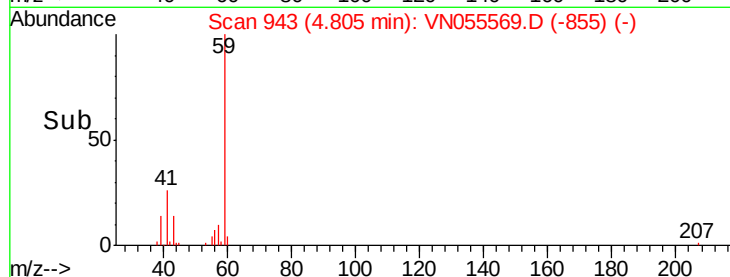
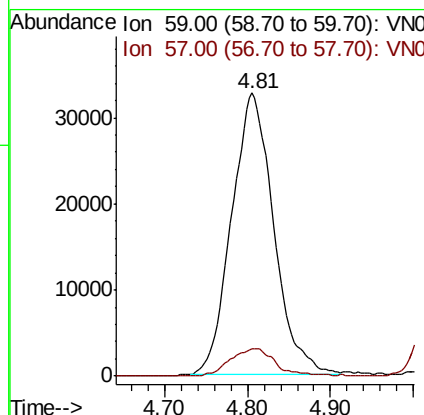
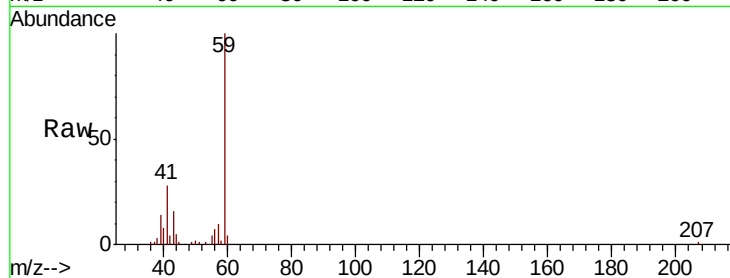


#11

Tert butyl alcohol
 Concen: 76.816 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

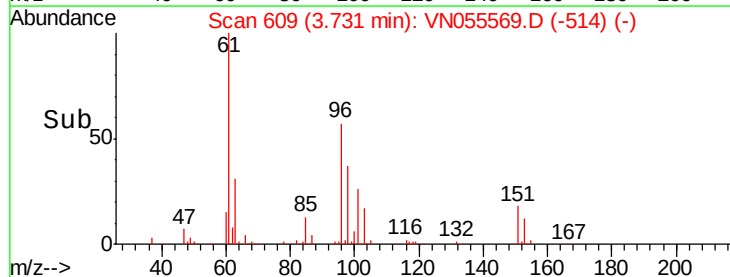
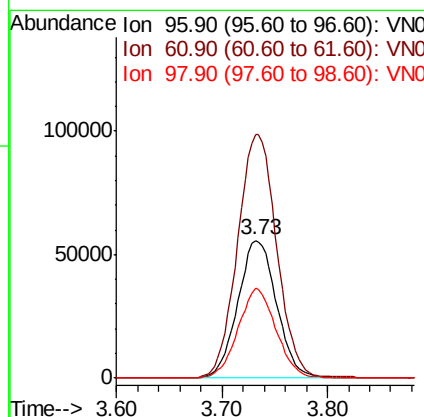
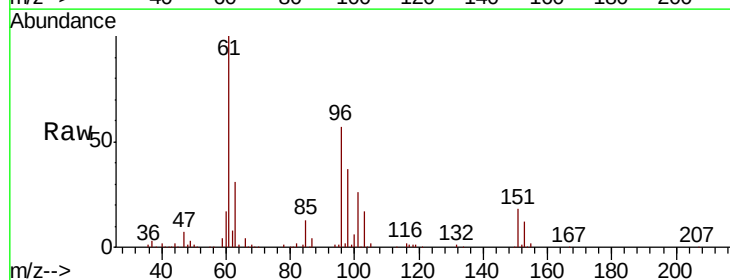
Tot Ion: 59 Resp: 115506
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.0 12.0

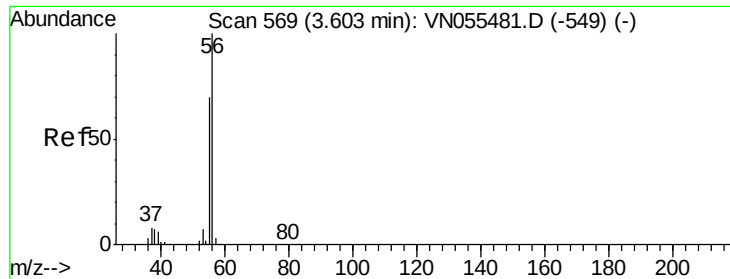


#12

1,1-Dichloroethene
 Concen: 19.313 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 96 Resp: 142766
 Ion Ratio Lower Upper
 96 100
 61 176.8 138.7 208.1
 98 65.4 50.6 76.0





#13

Acrolein

Concen: 87.685 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

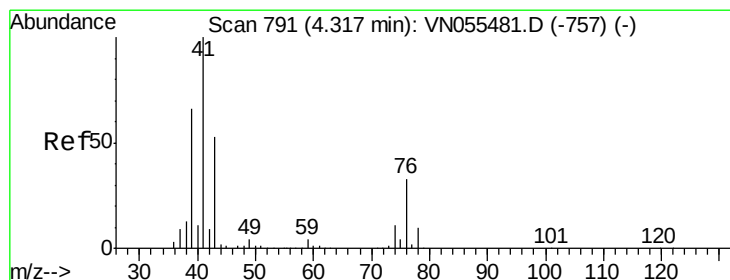
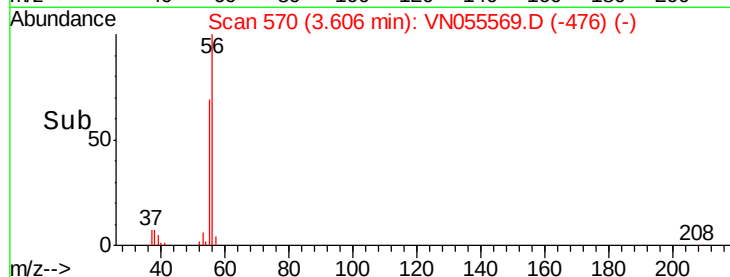
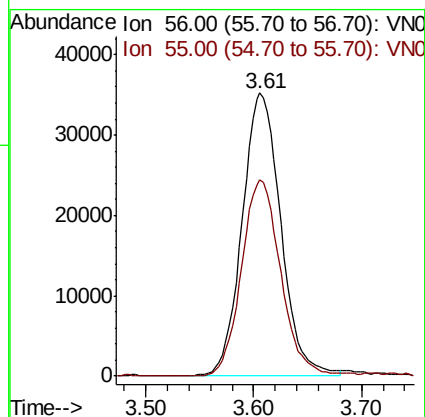
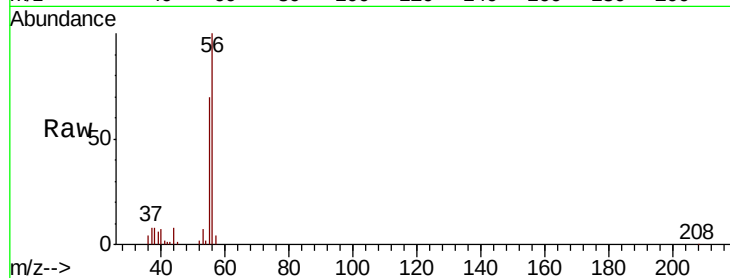
VN0513WBS01

Tot Ion: 56 Resp: 87873

Ion Ratio Lower Upper

56 100

55 70.0 57.7 86.5



#14

Allyl chloride

Concen: 18.726 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

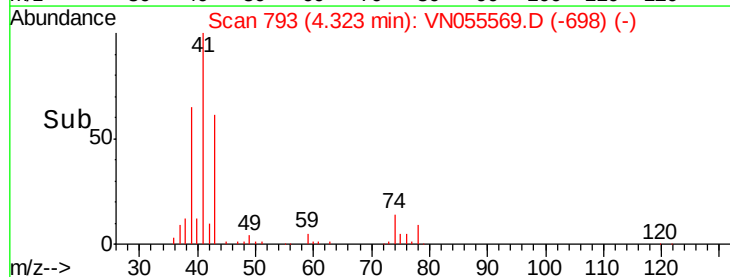
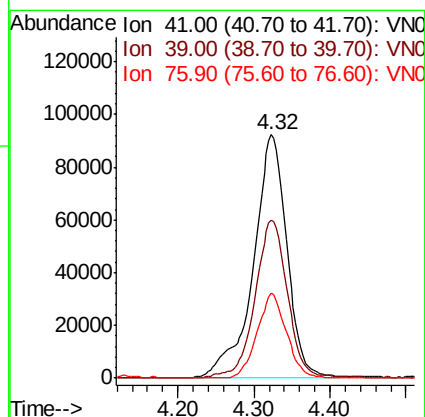
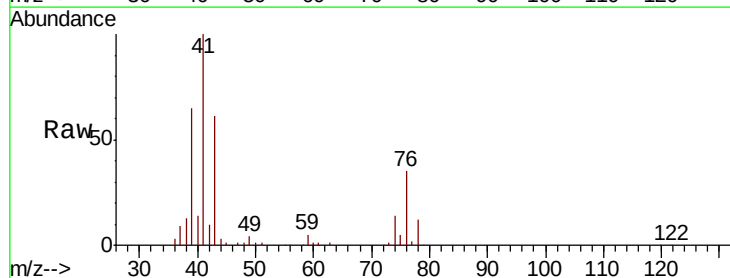
Tgt Ion: 41 Resp: 283562

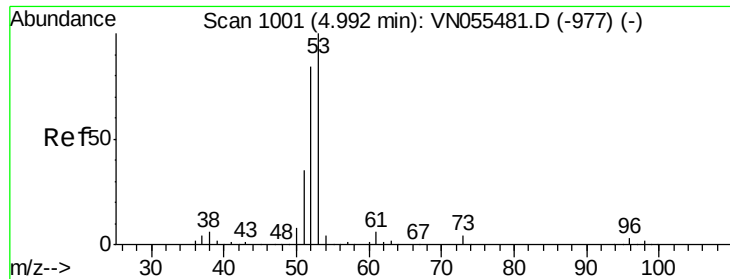
Ion Ratio Lower Upper

41 100

39 62.5 49.8 74.8

76 30.4 23.5 35.3

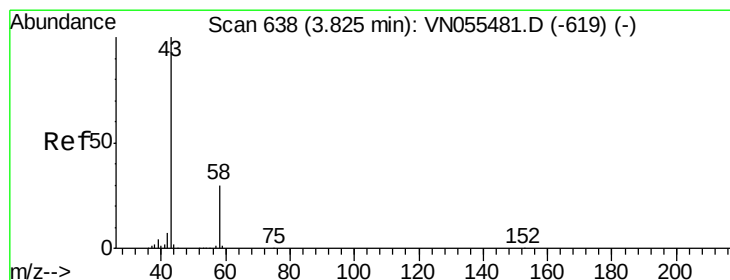
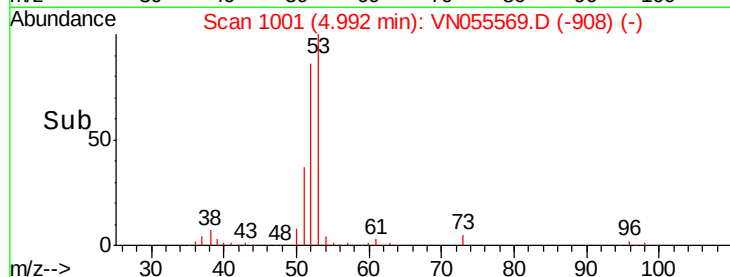
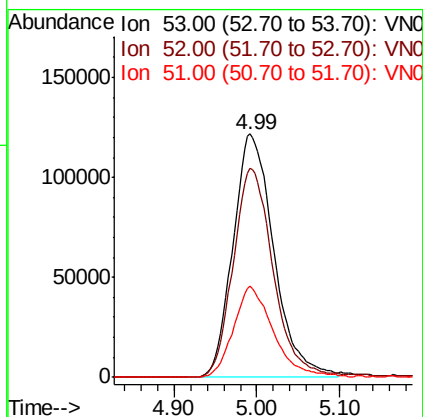
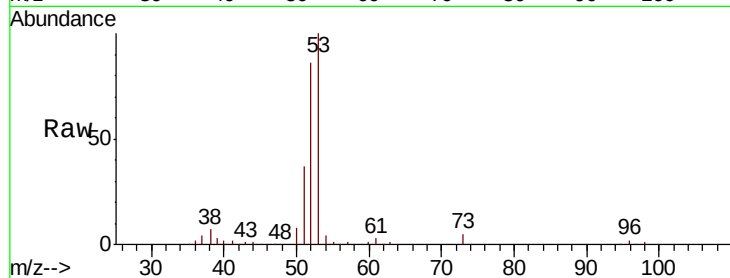




#15
 Acrylonitrile
 Concen: 89.501 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

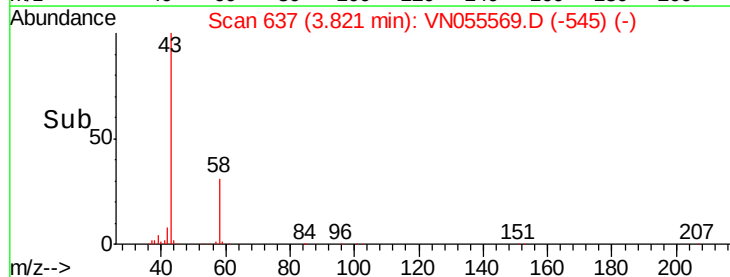
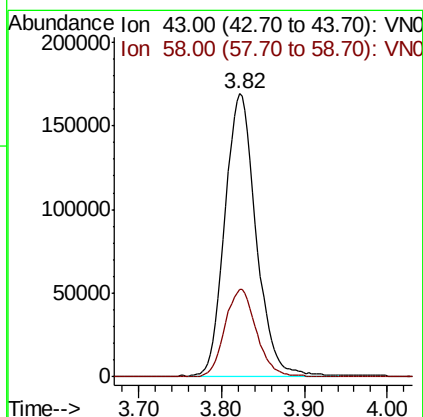
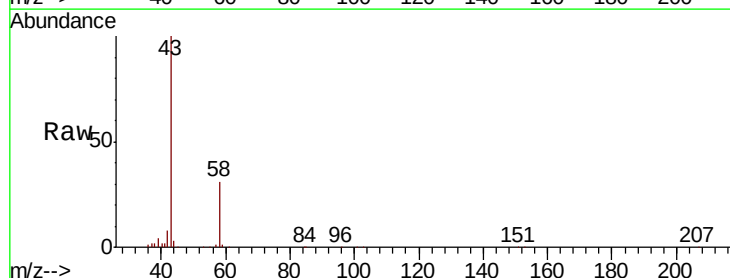
Instrument :
 MSVOA_N
 ClientSampled :
 VN0513WBS01

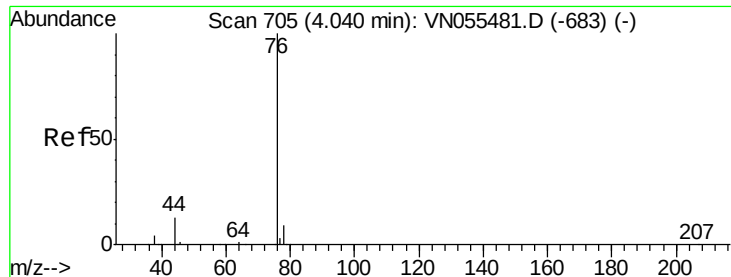
Tot Ion: 53 Resp: 416725
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.1 99.1
 51 36.6 28.3 42.5



#16
 Acetone
 Concen: 93.165 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 43 Resp: 439320
 Ion Ratio Lower Upper
 43 100
 58 30.7 24.2 36.2





#17

Carbon Disulfide

Concen: 18.972 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

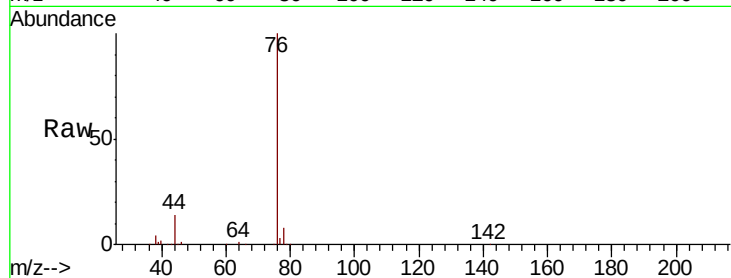
VN0513WBS01

Tot Ion: 76 Resp: 382788

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

150000

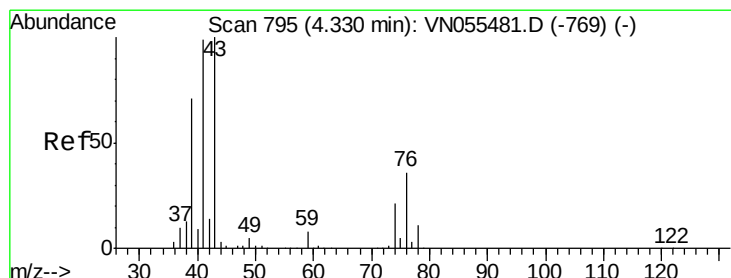
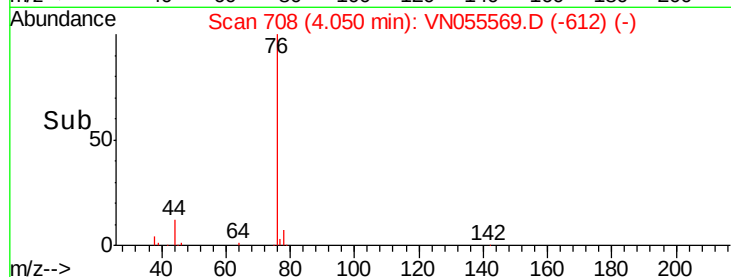
100000

50000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 17.819 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055569.D

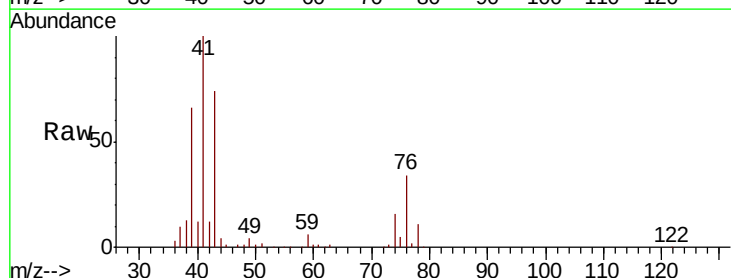
Acq: 13 May 2019 10:51

Tgt Ion: 43 Resp: 183373

Ion Ratio Lower Upper

43 100

74 20.6 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

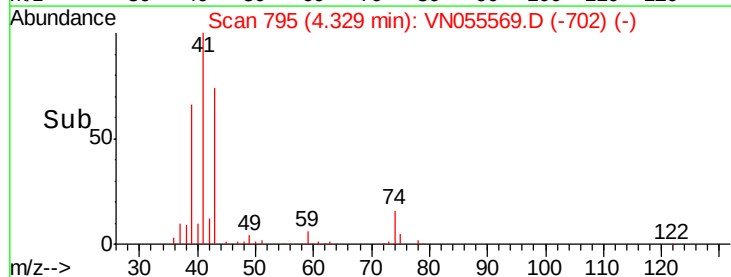
40000

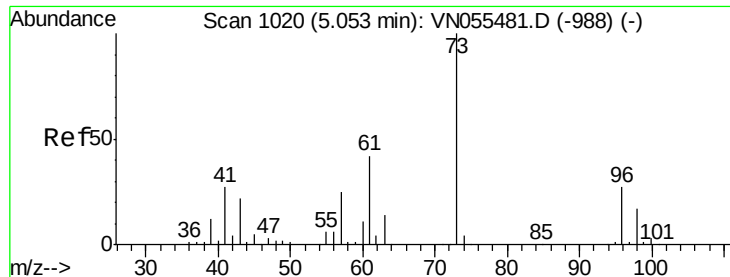
20000

0

Time-->

4.20 4.30 4.40

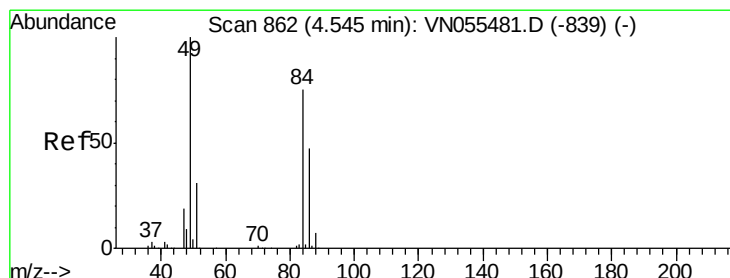
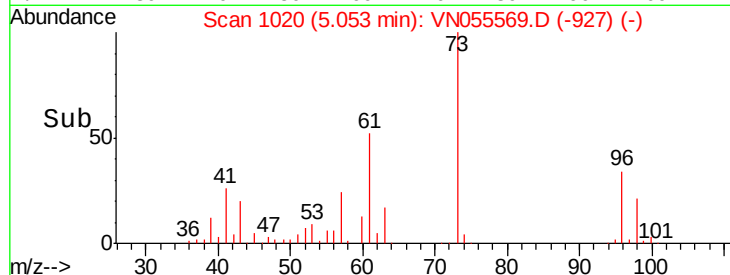
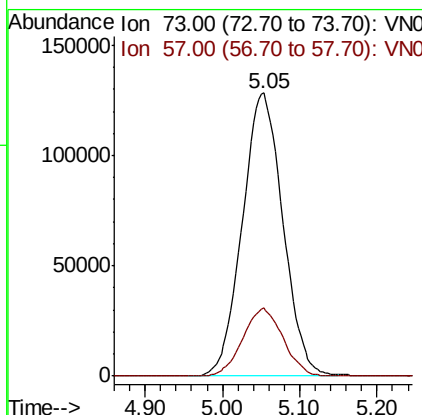
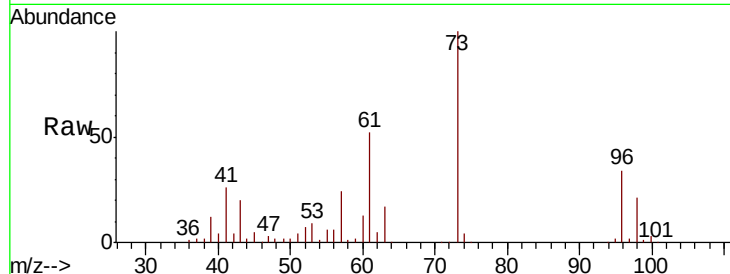




#19
Methyl tert-butyl Ether
Concen: 19.050 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

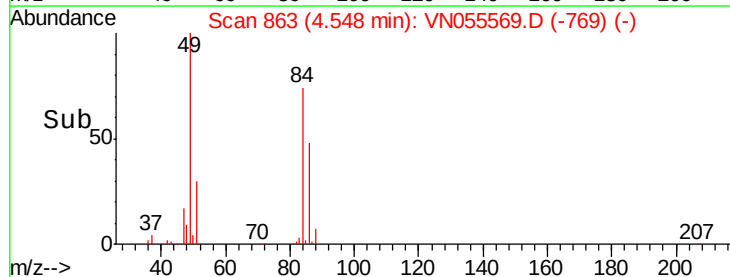
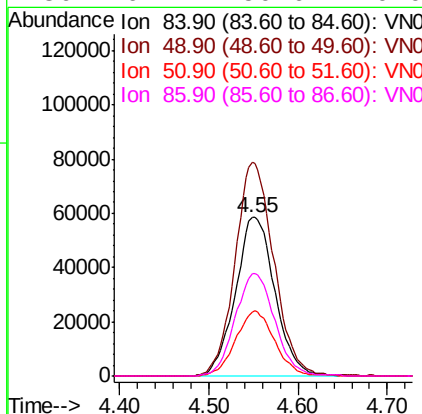
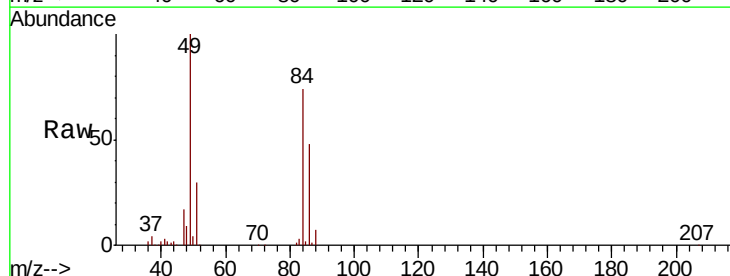
Instrument :
MSVOA_N
ClientSampled :
VN0513WBS01

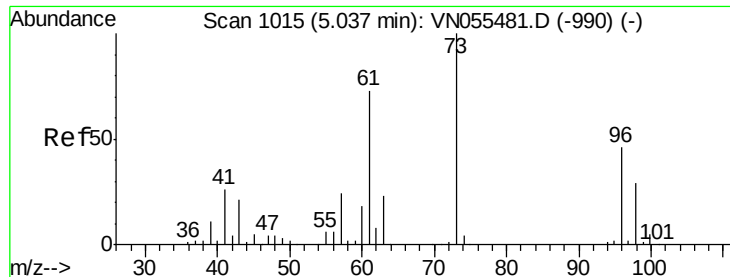
Tot Ion: 73 Resp: 467937
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0



#20
Methylene Chloride
Concen: 18.602 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 84 Resp: 179363
Ion Ratio Lower Upper
84 100
49 134.7 107.0 160.6
51 40.1 33.0 49.4
86 64.2 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.643 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

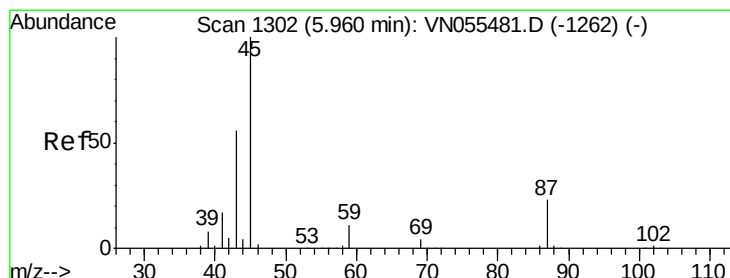
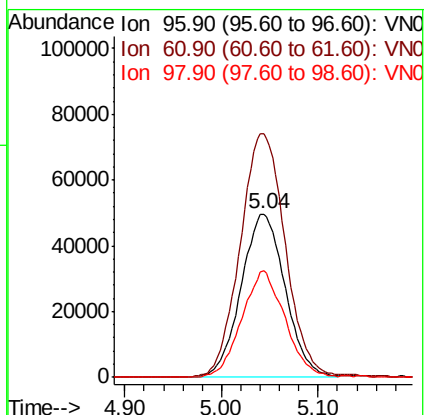
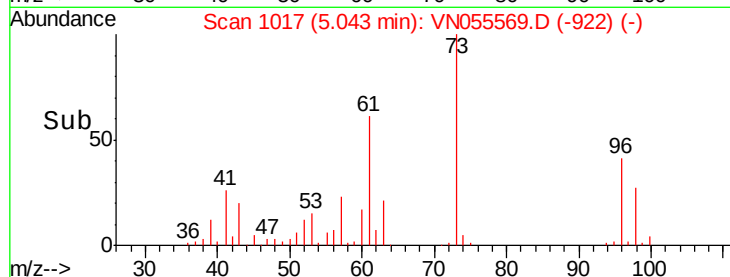
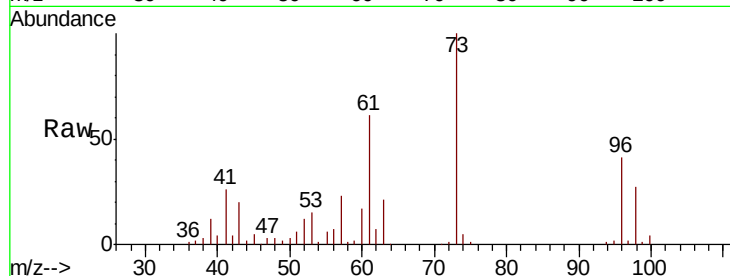
Tot Ion: 96 Resp: 157434

Ion Ratio Lower Upper

96 100

61 149.0 127.4 191.0

98 65.6 51.6 77.4



#22

Diisopropyl ether

Concen: 19.170 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion: 45 Resp: 589910

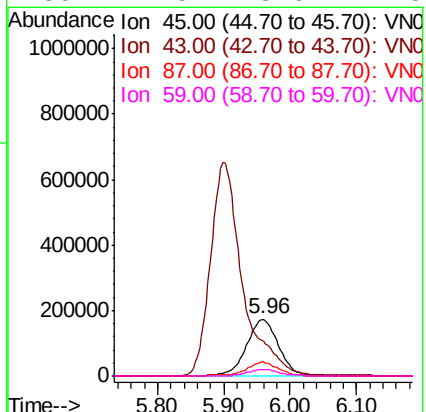
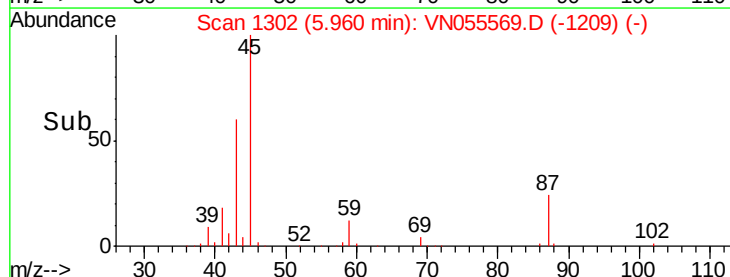
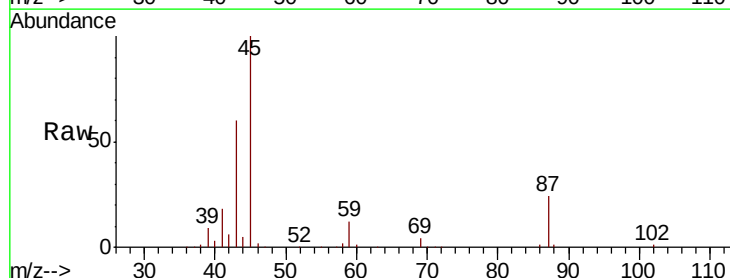
Ion Ratio Lower Upper

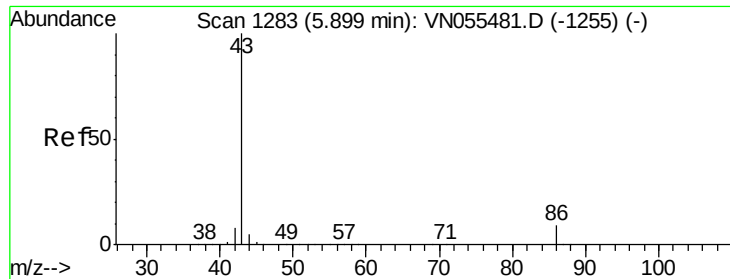
45 100

43 58.4 44.6 66.8

87 24.0 18.6 28.0

59 11.5 8.6 12.8





#23

Vinyl Acetate

Concen: 92.193 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

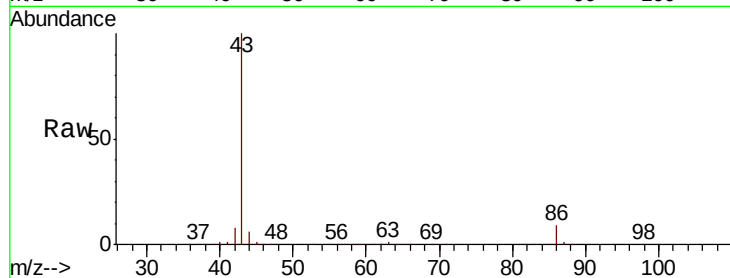
VN0513WBS01

Tot Ion: 43 Resp: 2194027

Ion Ratio Lower Upper

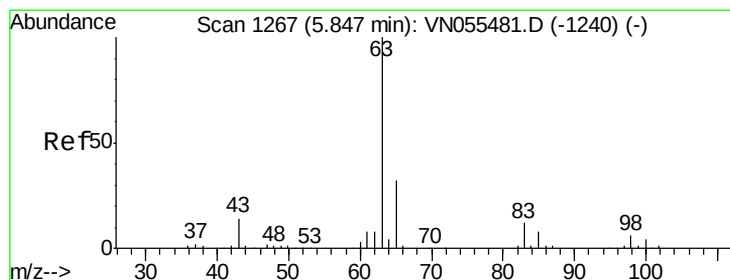
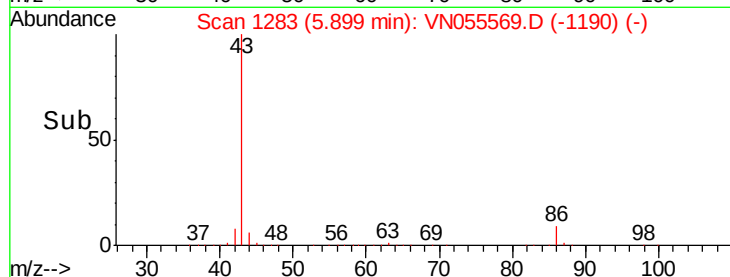
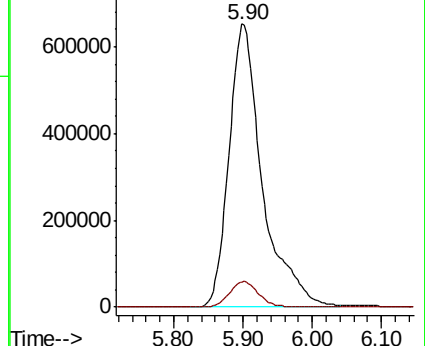
43 100

86 9.0 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.598 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

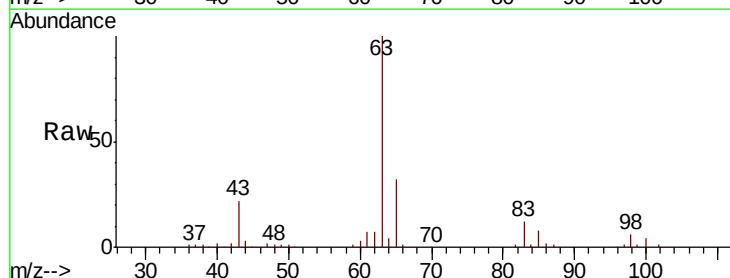
Tgt Ion: 63 Resp: 325560

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

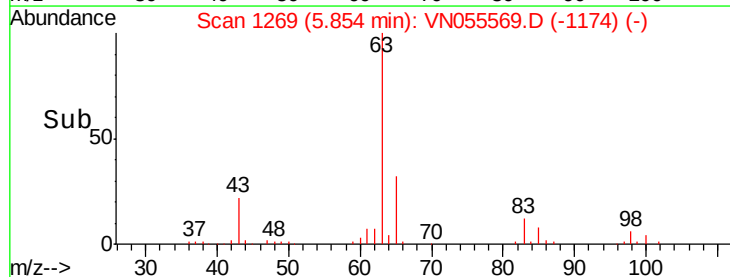
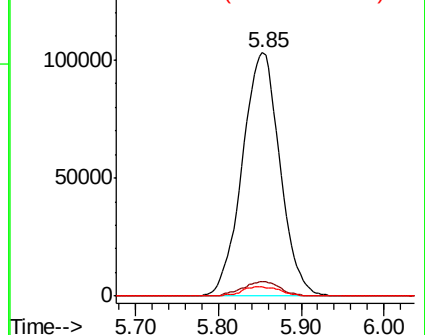
100 3.6 1.9 5.7

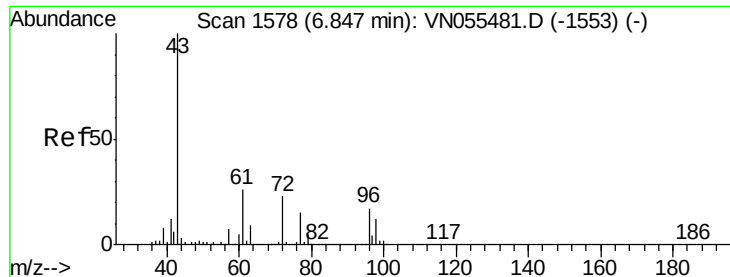


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 89.105 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

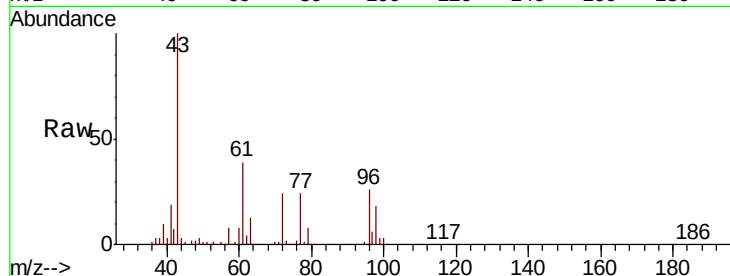
VN0513WBS01

Tot Ion: 43 Resp: 580420

Ion Ratio Lower Upper

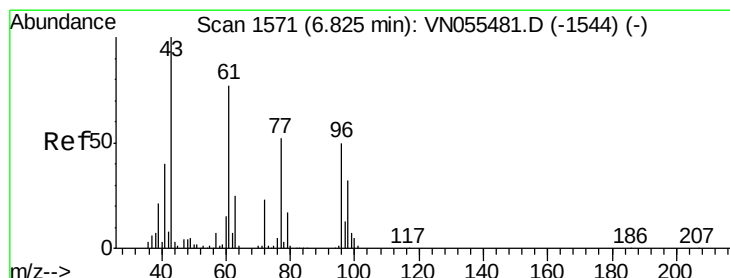
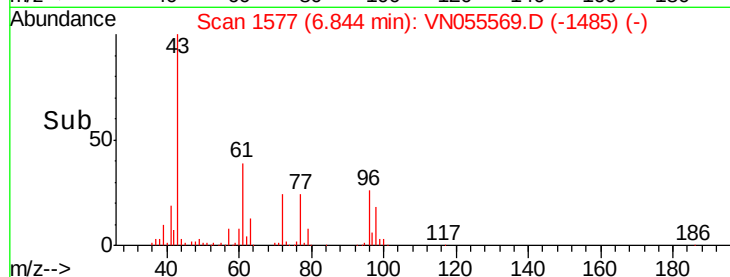
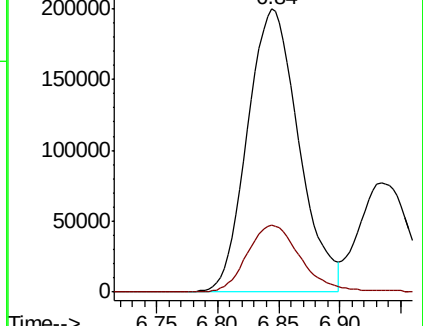
43 100

72 23.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.429 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055569.D

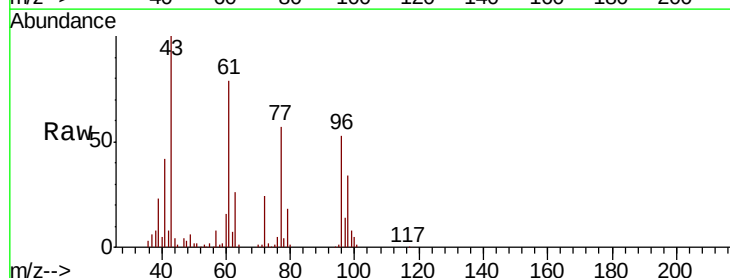
Acq: 13 May 2019 10:51

Tgt Ion: 77 Resp: 211555

Ion Ratio Lower Upper

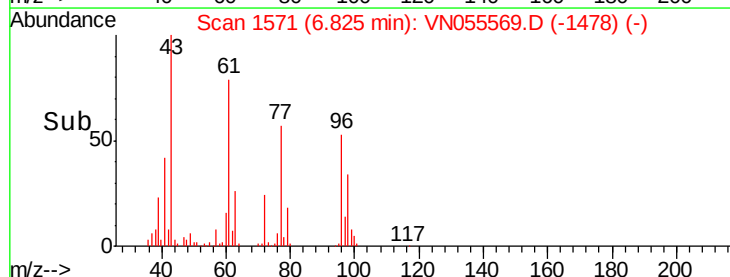
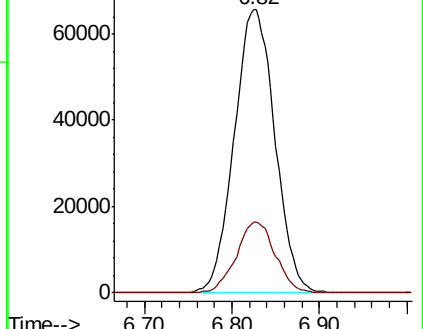
77 100

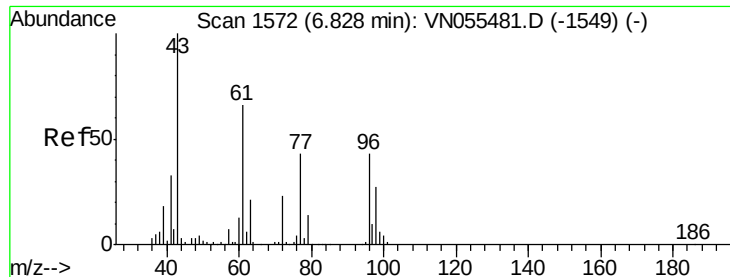
97 24.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.104 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

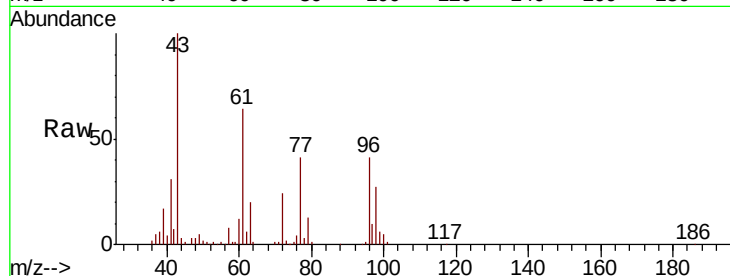
Tot Ion: 96 Resp: 186222

Ion Ratio Lower Upper

96 100

61 152.2 0.0 310.8

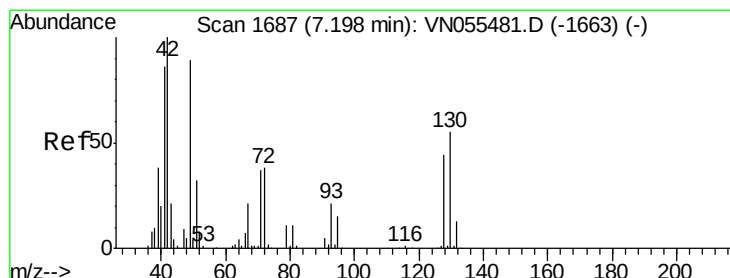
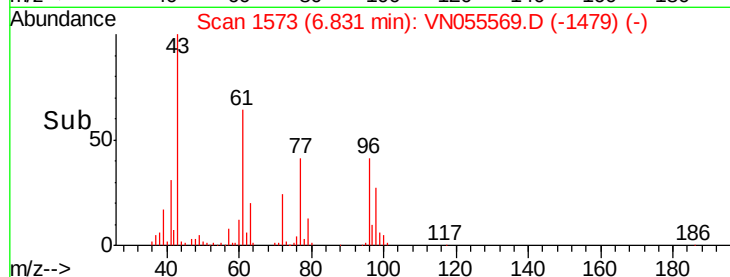
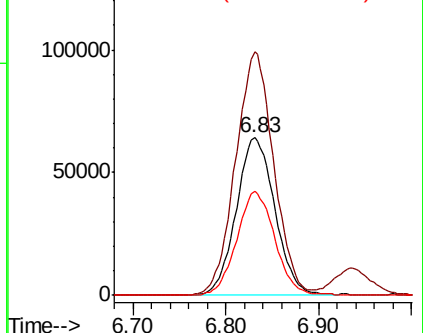
98 65.0 0.0 129.4



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: 19.252 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

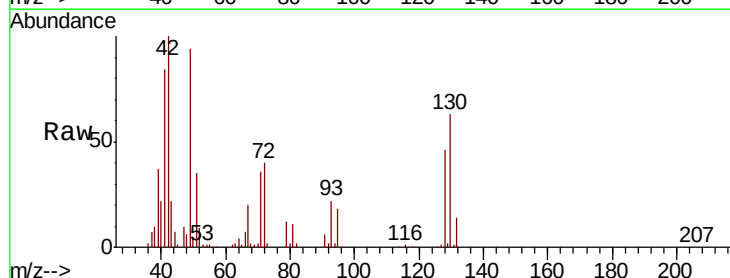
Tgt Ion: 49 Resp: 166078

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.2

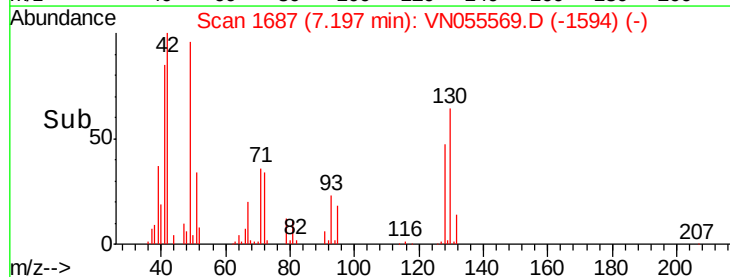
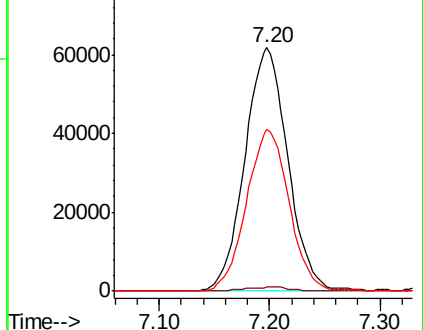
130 66.3 49.5 74.3

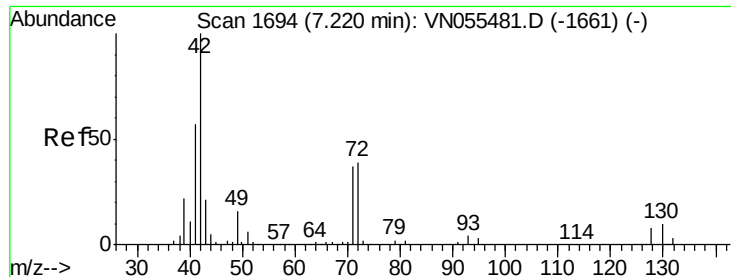


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

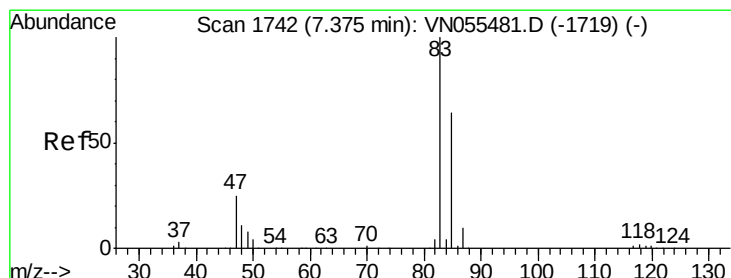
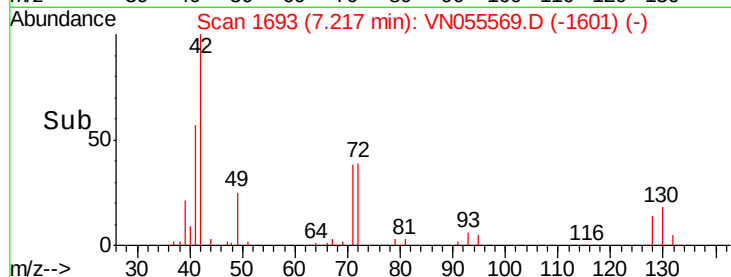
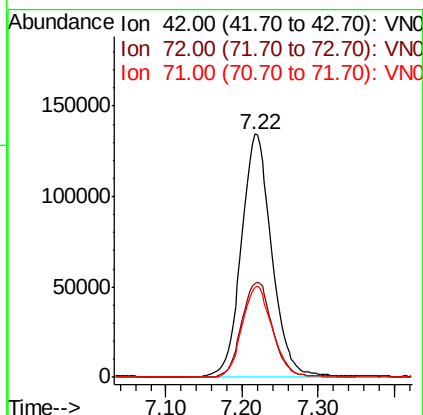
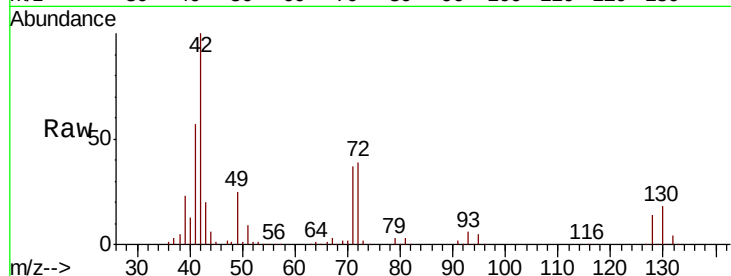




#29
Tetrahydrofuran
Concen: 86.490 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

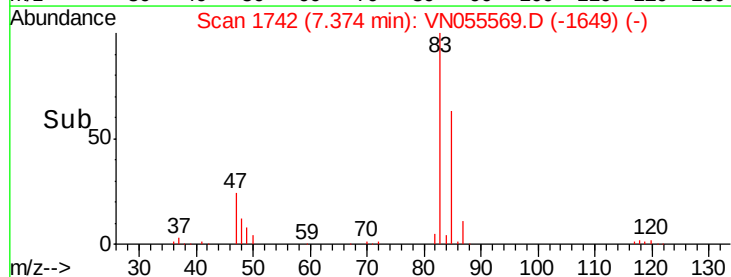
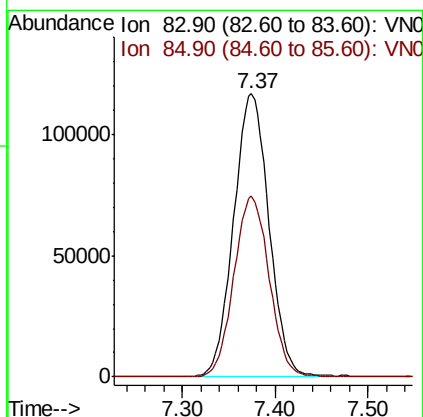
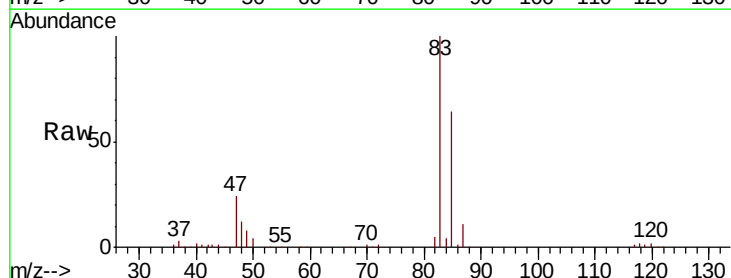
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

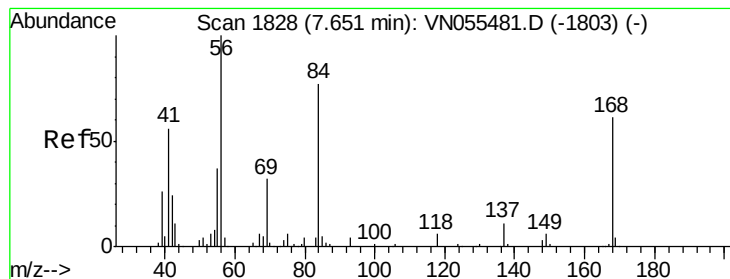
Tot Ion: 42 Resp: 372443
Ion Ratio Lower Upper
42 100
72 40.2 31.0 46.6
71 37.6 29.4 44.2



#30
Chloroform
Concen: 20.116 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 83 Resp: 308910
Ion Ratio Lower Upper
83 100
85 63.6 51.3 76.9





#31

Cyclohexane

Concen: 18.479 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

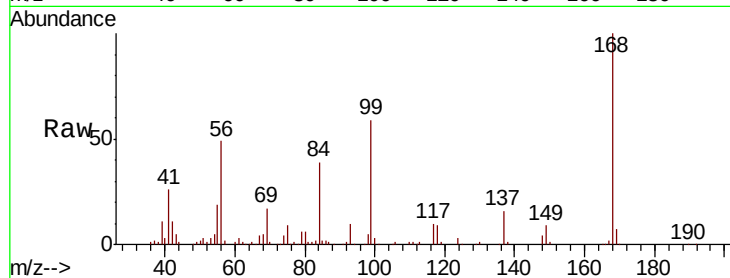
Tot Ion: 56 Resp: 303708

Ion Ratio Lower Upper

56 100

69 34.6 26.0 39.0

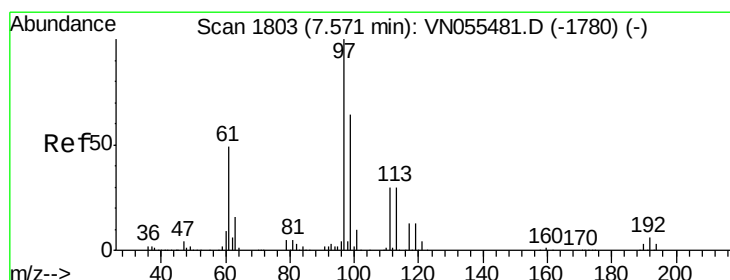
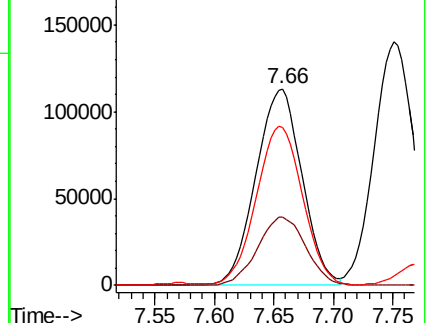
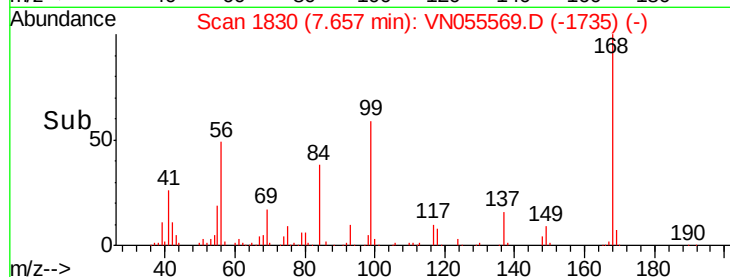
84 79.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.393 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

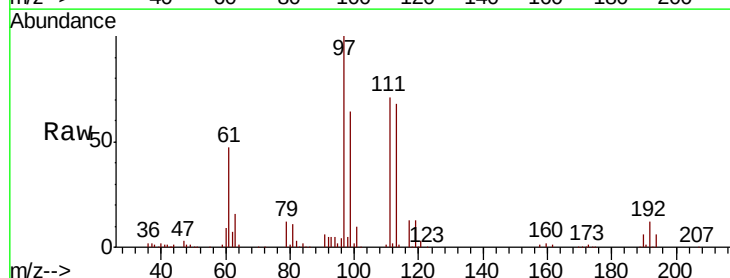
Tgt Ion: 97 Resp: 238480

Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

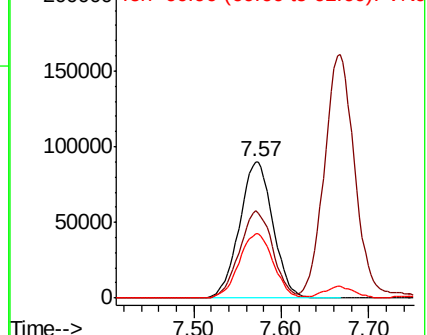
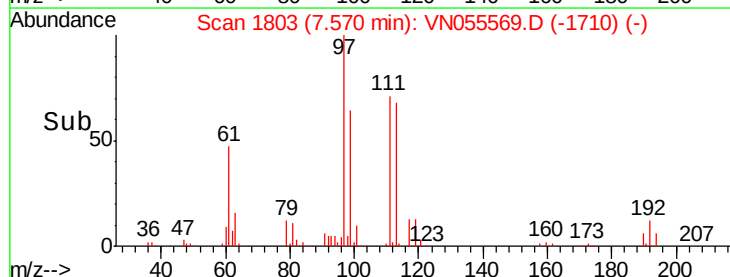
61 48.3 39.2 58.8

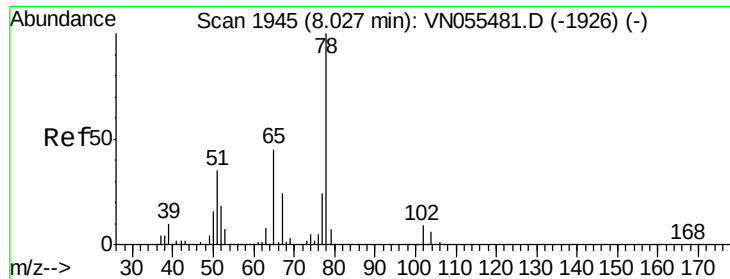


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

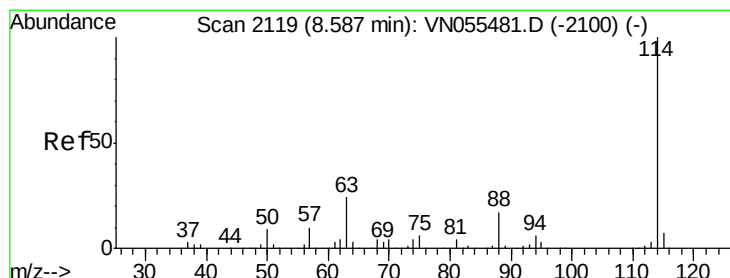
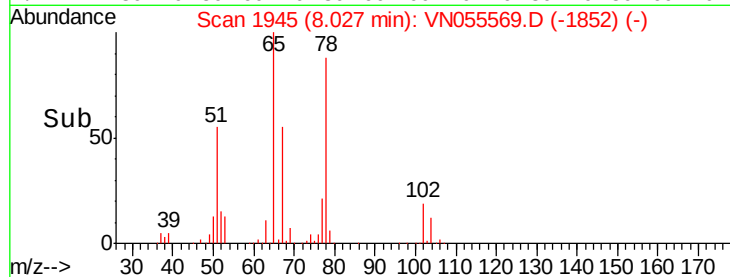
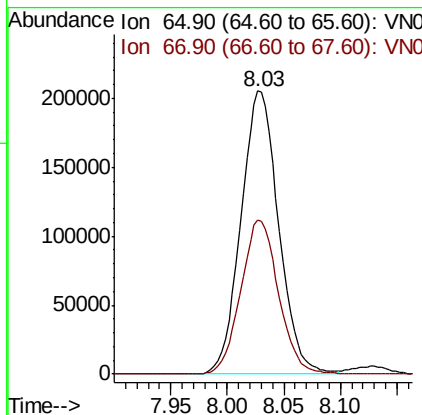
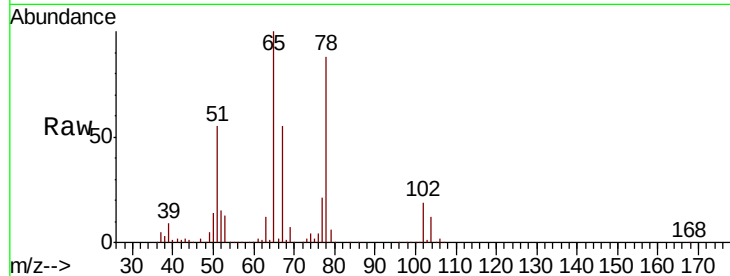




#33
 1,2-Dichloroethane-d4
 Concen: 46.728 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

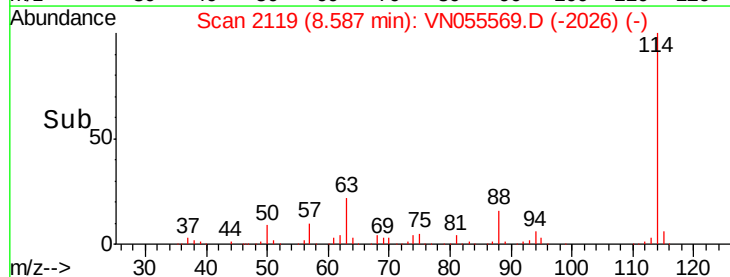
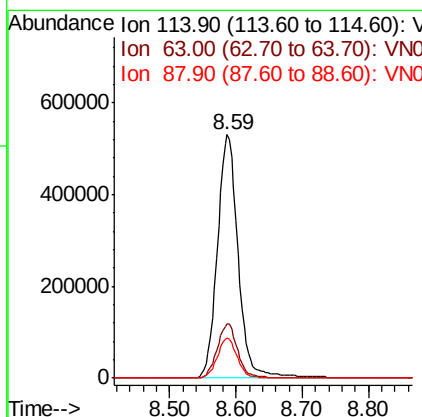
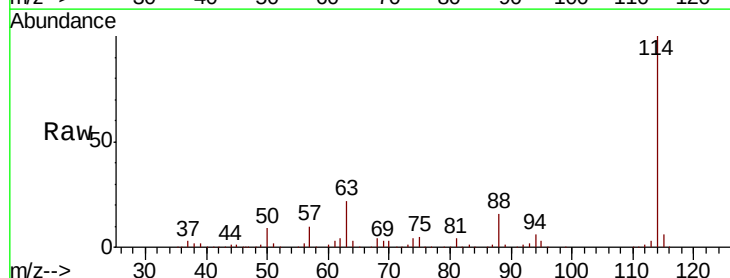
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

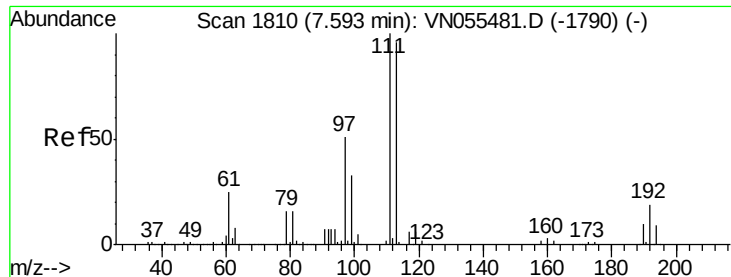
Tot Ion: 65 Resp: 475873
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 114 Resp: 1155557
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.4
 88 16.4 0.0 34.0

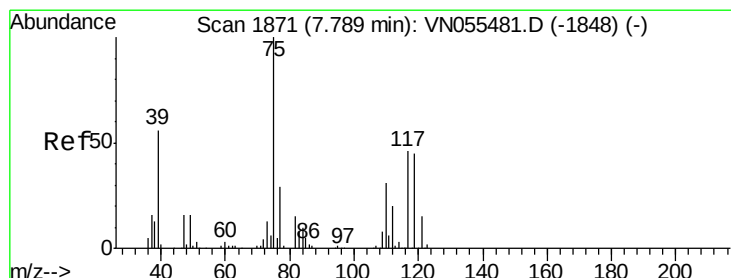
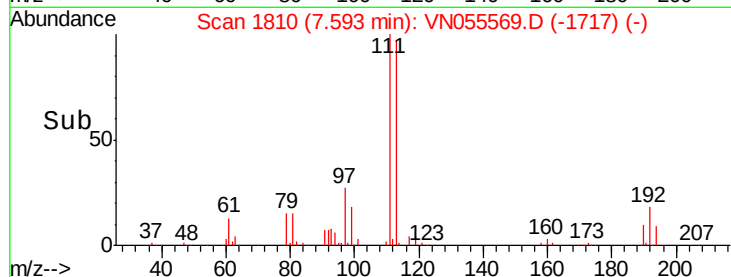
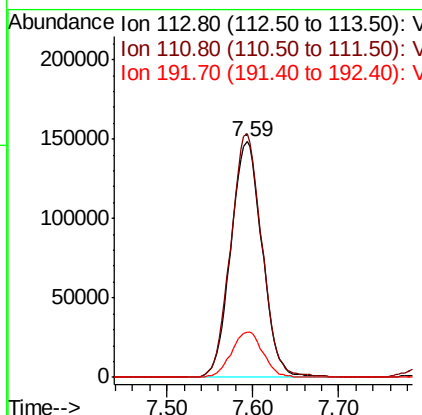
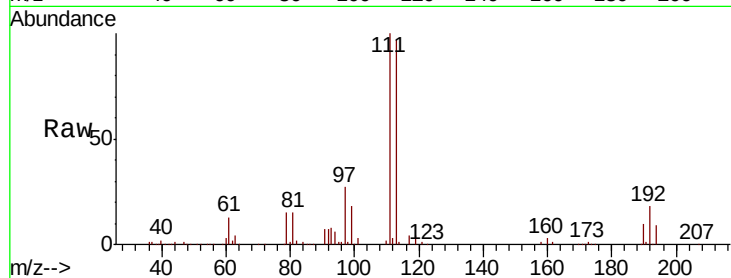




#35
 Dibromofluoromethane
 Concen: 50.296 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

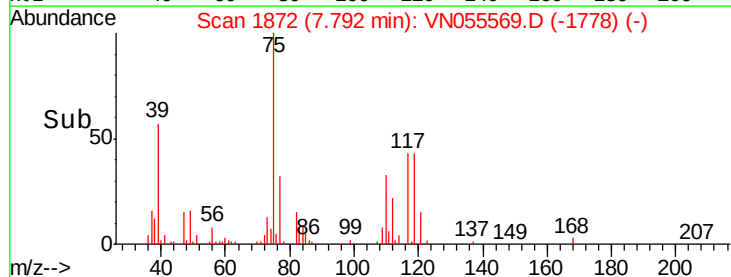
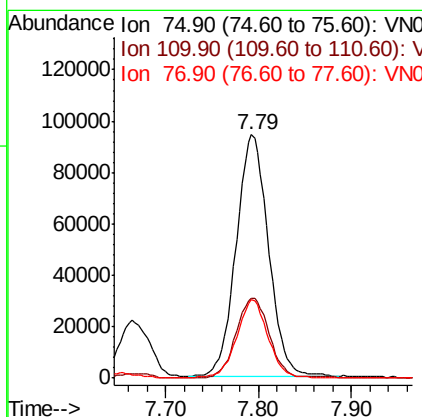
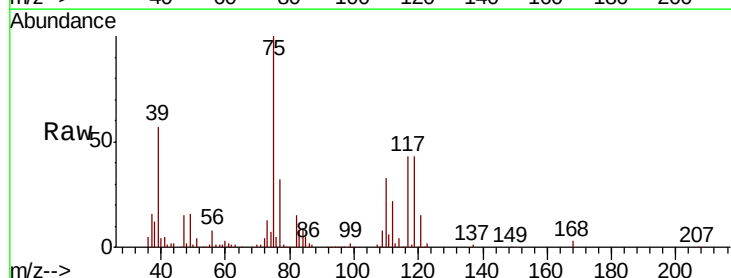
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

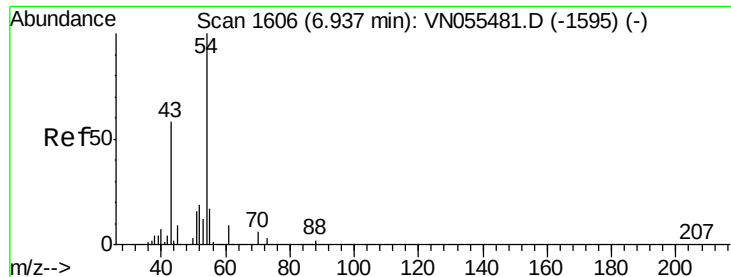
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	19.5	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 20.055 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.1	48.3
77	31.4	24.6	37.0

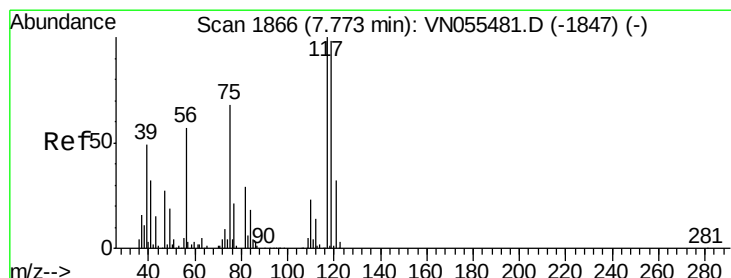
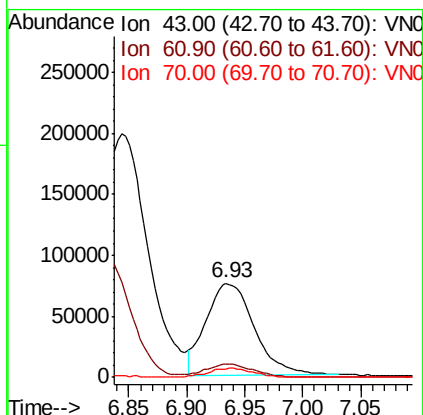
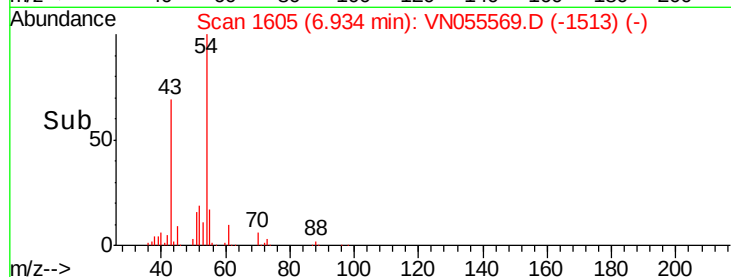
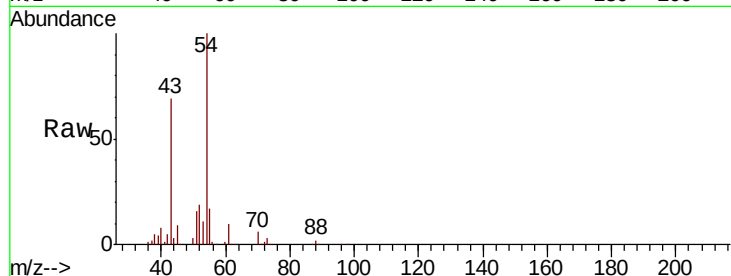




#37
Ethyl Acetate
Concen: 17.767 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

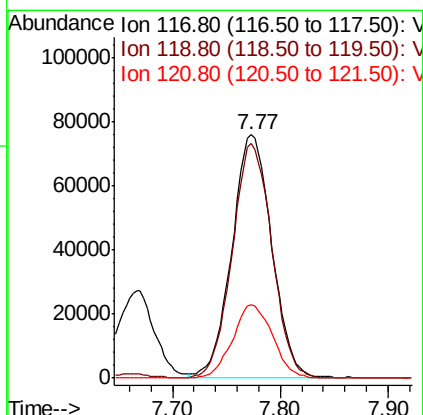
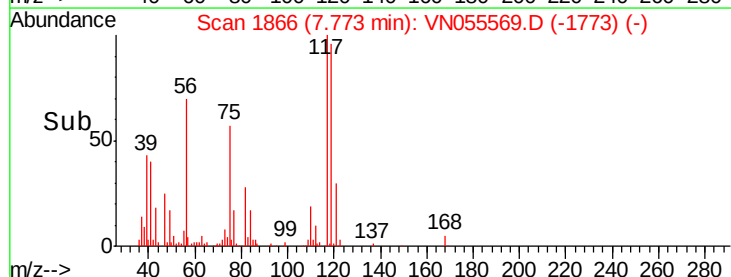
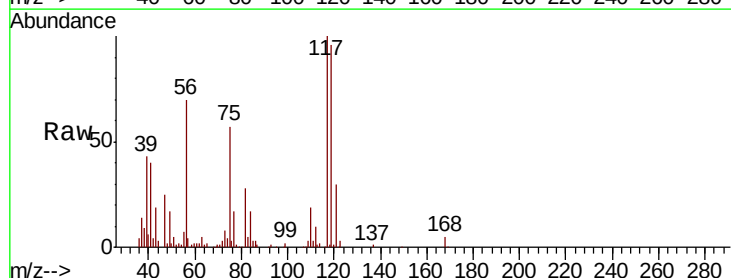
Instrument :
MSVOA_N
ClientSampled :
VN0513WBS01

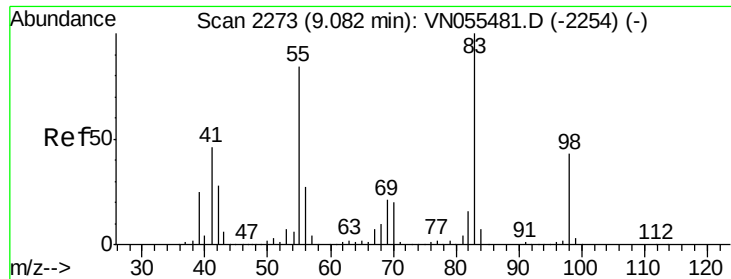
Tot Ion: 43 Resp: 220633
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 8.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 20.355 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 117 Resp: 195127
Ion Ratio Lower Upper
117 100
119 96.4 77.8 116.6
121 30.2 25.2 37.8

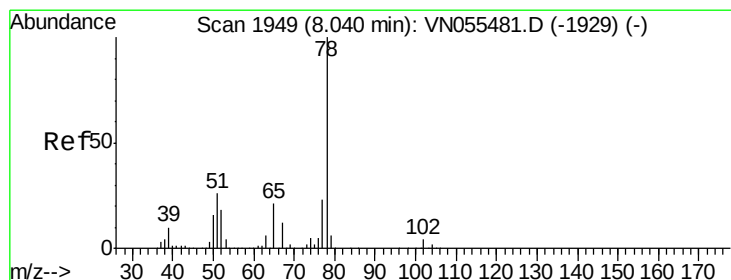
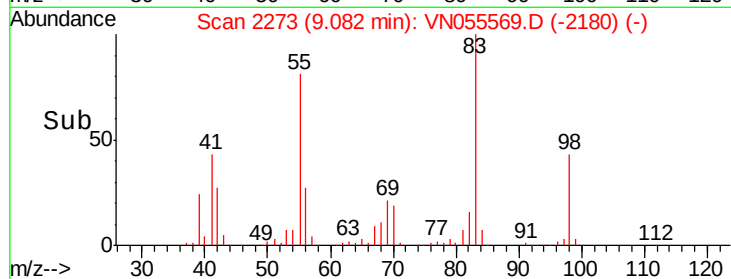
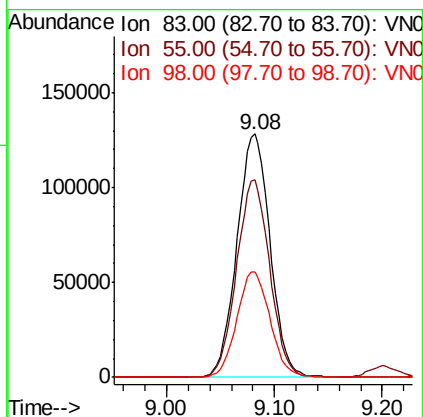
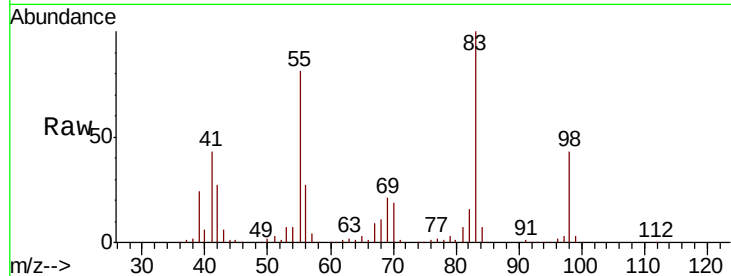




#39
Methylvlcyclohexane
Concen: 19.790 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

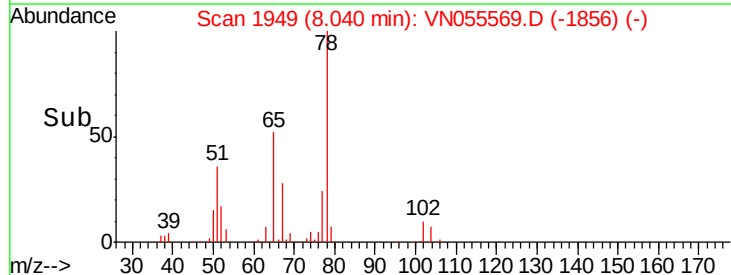
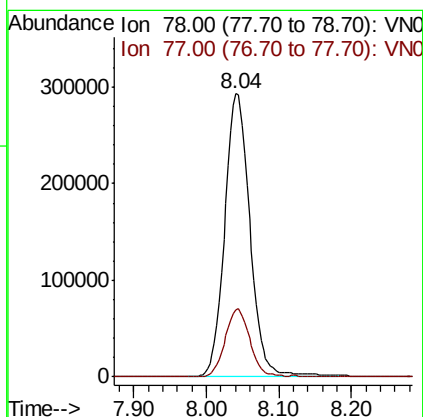
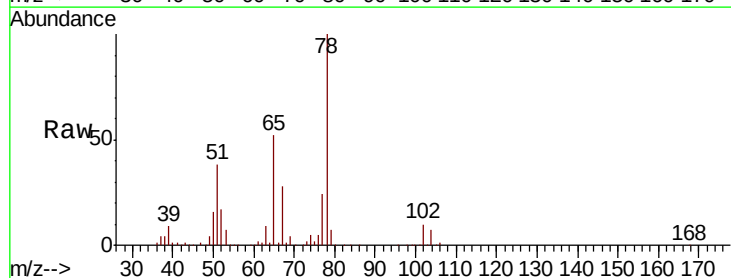
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

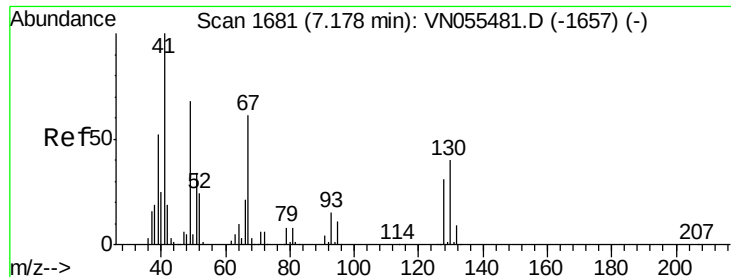
Tot Ion: 83 Resp: 274692
Ion Ratio Lower Upper
83 100
55 81.1 67.0 100.4
98 43.2 34.2 51.4



#40
Benzene
Concen: 20.182 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 78 Resp: 713081
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

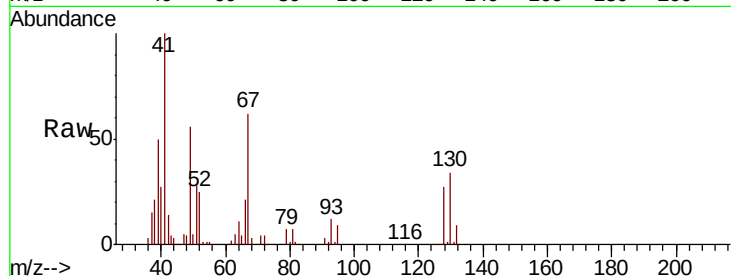




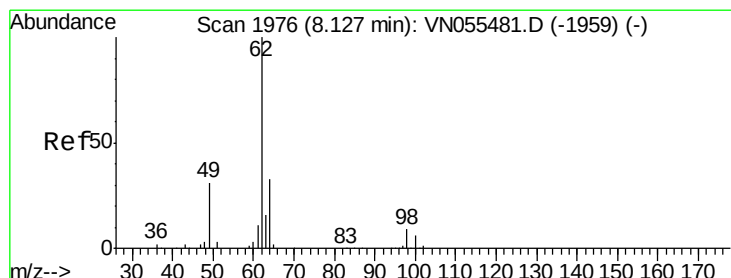
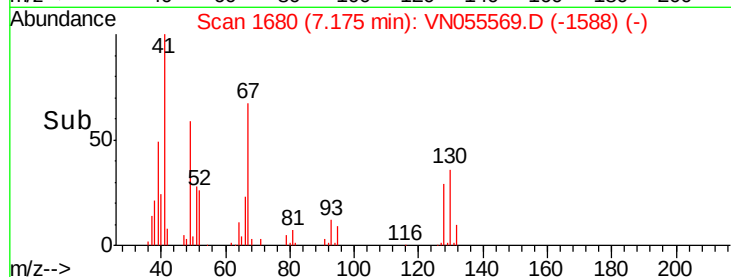
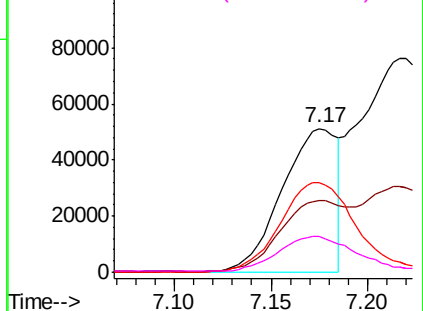
#41
Methacrylonitrile
Concen: 17.516 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion:	41	Resp:	100960
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.7	67.1
67	87.0	61.4	92.0
52	35.3	25.0	37.4

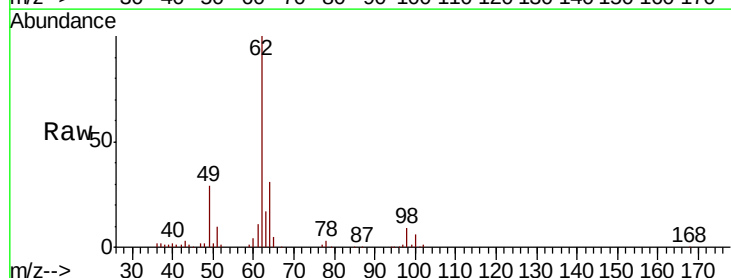


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

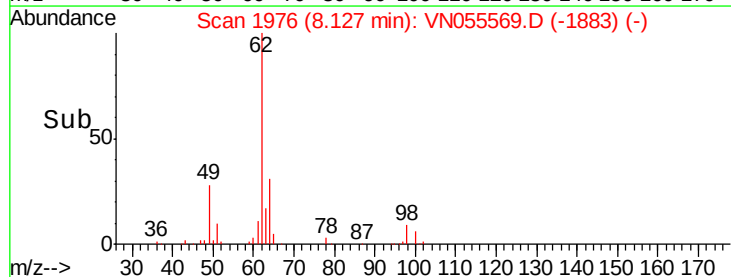
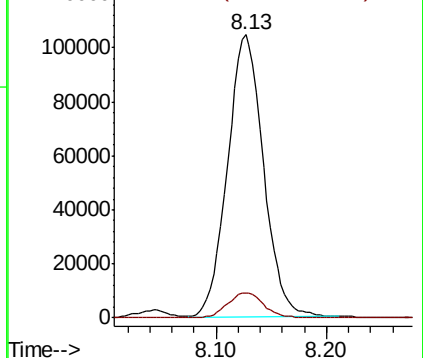


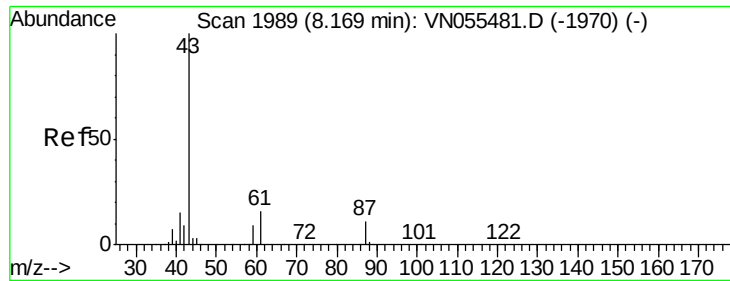
#42
1,2-Dichloroethane
Concen: 19.055 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion:	62	Resp:	236532
Ion	Ratio	Lower	Upper
62	100		
98	8.9	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: 18.280 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

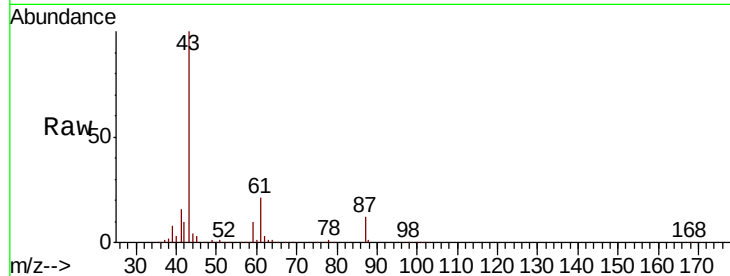
Tot Ion: 43 Resp: 344871

Ion Ratio Lower Upper

43 100

61 21.2 15.1 22.7

87 12.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)

8.17

150000

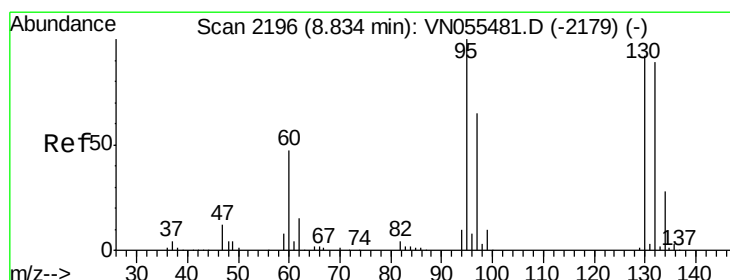
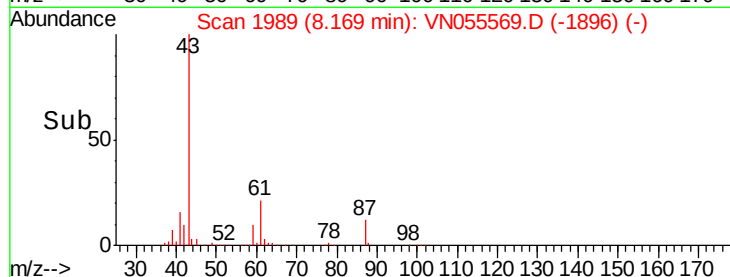
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.963 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055569.D

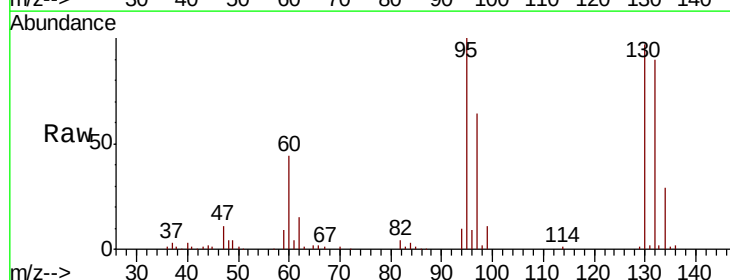
Acq: 13 May 2019 10:51

Tgt Ion:130 Resp: 176233

Ion Ratio Lower Upper

130 100

95 103.1 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)

8.84

100000

80000

60000

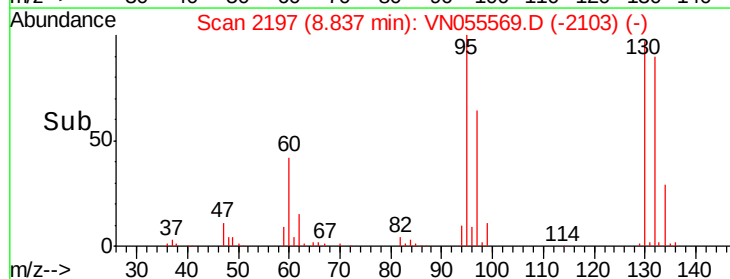
40000

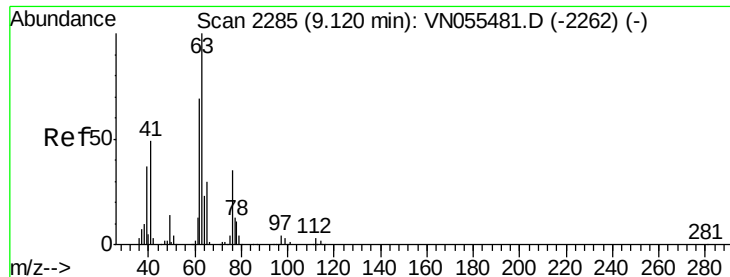
20000

0

8.80 8.90

Time-->

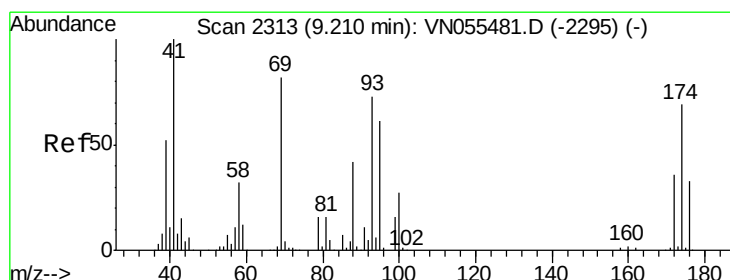
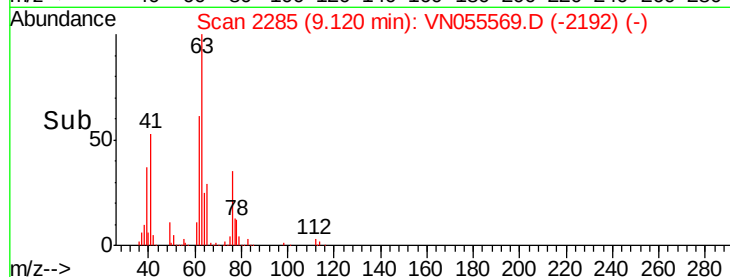
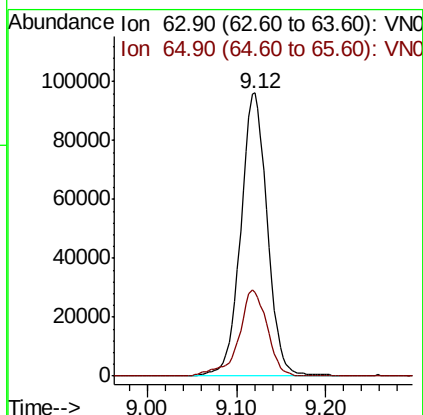
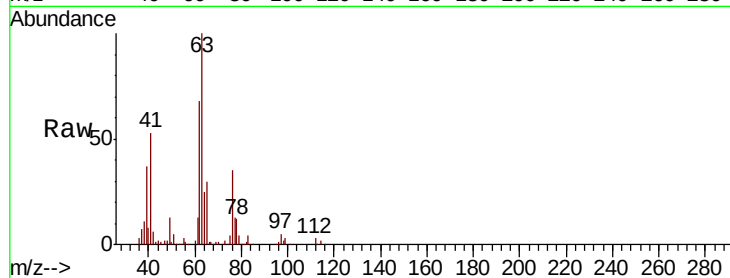




#45
 1,2-Dichloropropane
 Concen: 19.674 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

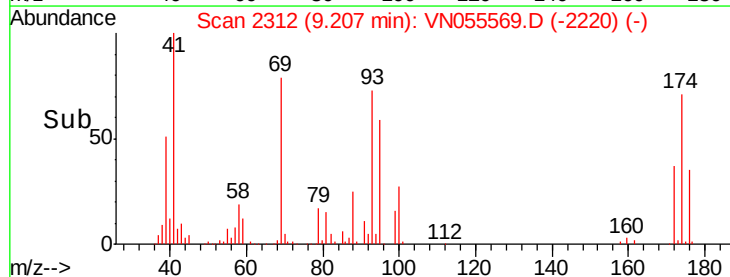
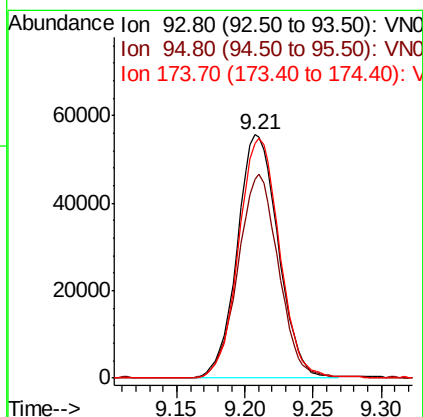
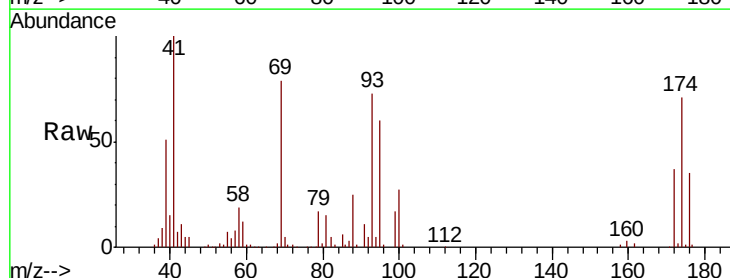
Instrument :
 MSVOA_N
 ClientSampled :
 VN0513WBS01

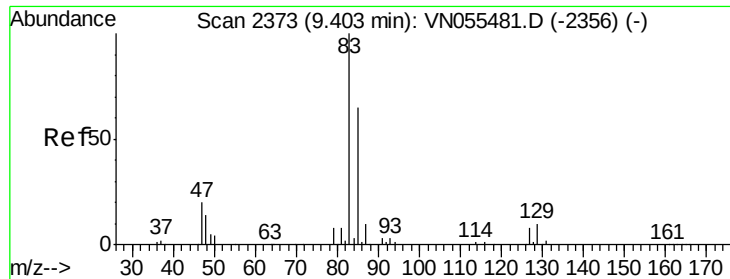
Tot Ion: 63 Resp: 198895
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.1 36.1



#46
 Dibromomethane
 Concen: 19.830 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 93 Resp: 116200
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.8 97.2
 174 98.4 75.0 112.6





#47

Bromodichloromethane

Concen: 20.361 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

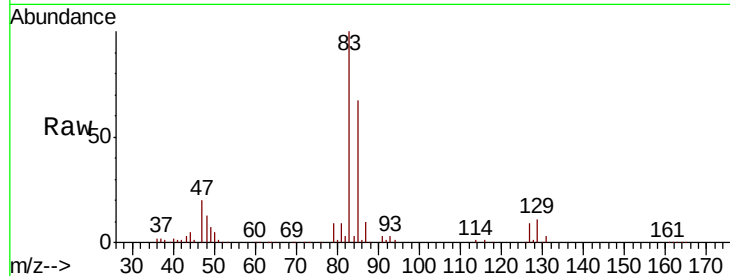
Tot Ion: 83 Resp: 228248

Ion Ratio Lower Upper

83 100

85 67.3 52.2 78.2

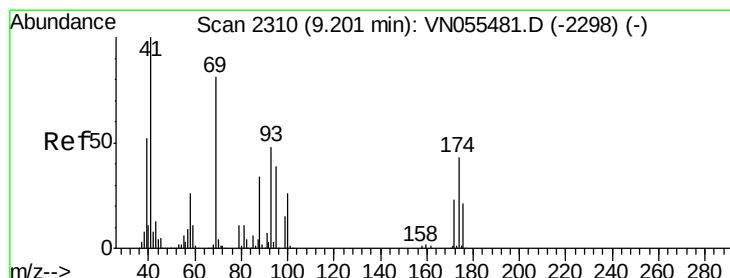
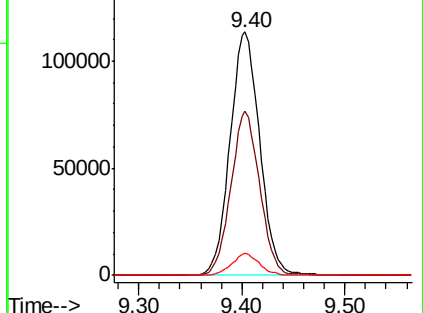
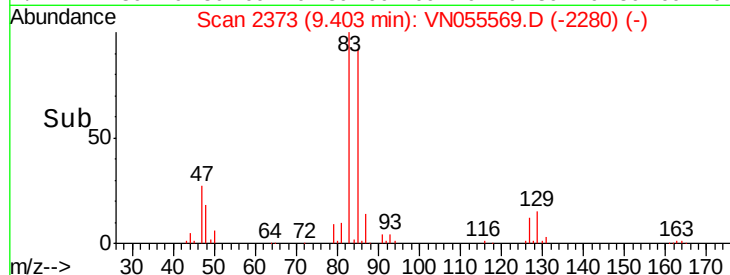
127 9.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055569.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055569.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055569.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.622 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

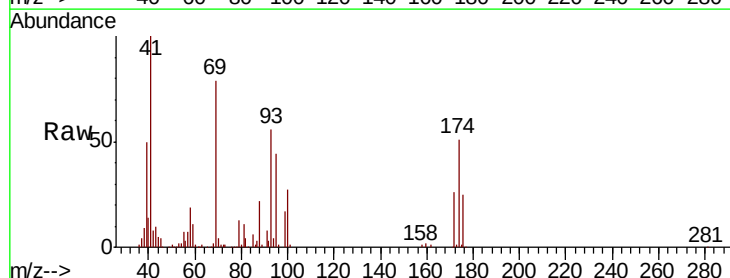
Tgt Ion: 41 Resp: 160185

Ion Ratio Lower Upper

41 100

69 84.0 64.2 96.2

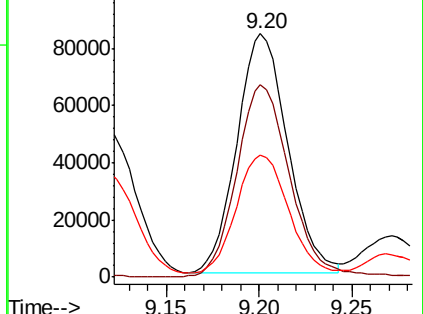
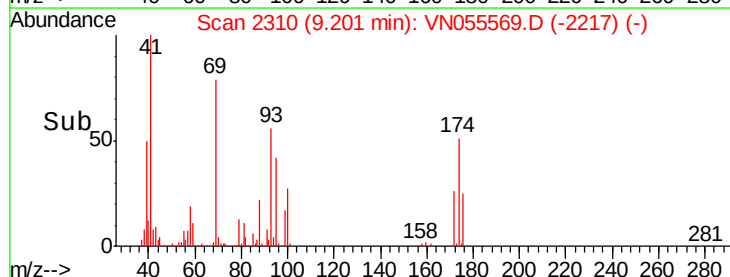
39 53.2 41.6 62.4

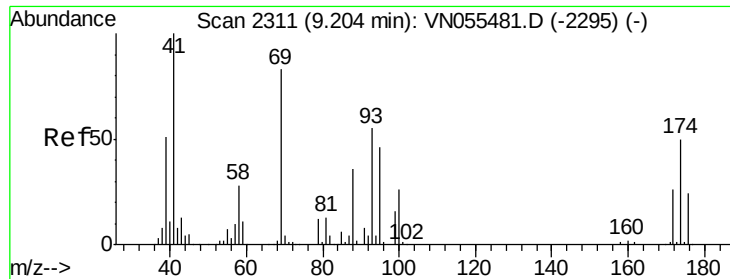


Abundance Ion 41.00 (40.70 to 41.70): VN055569.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055569.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055569.D (-2217) (-)

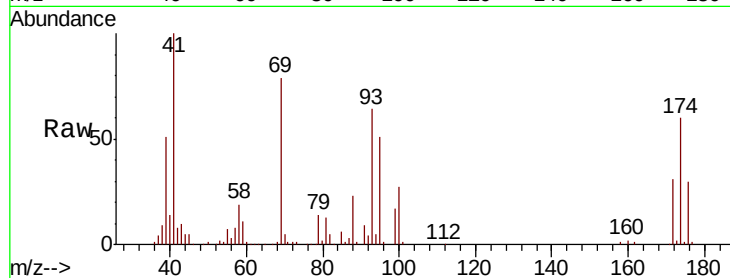




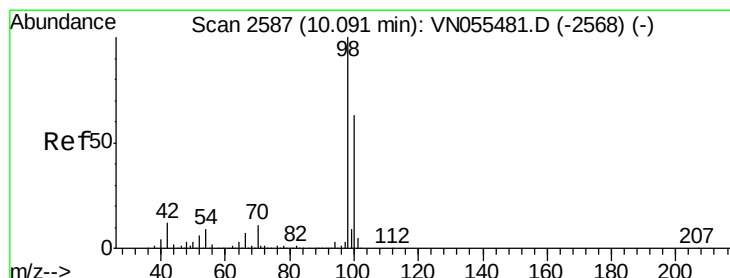
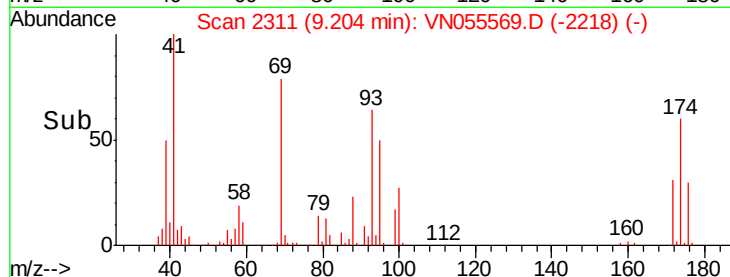
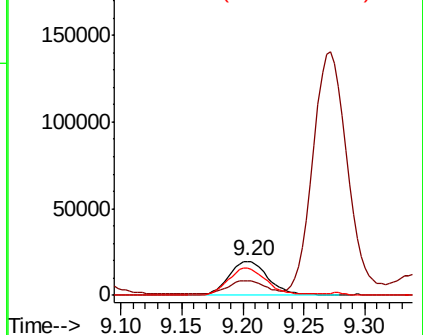
#49
1,4-Dioxane
Concen: 253.716 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

Tot Ion: 88 Resp: 44950
Ion Ratio Lower Upper
88 100
43 36.6 27.8 41.8
58 75.9 61.8 92.6

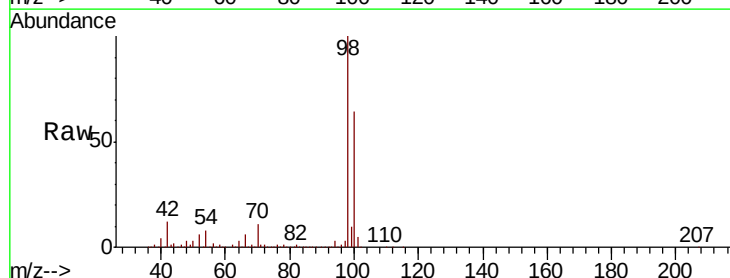


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

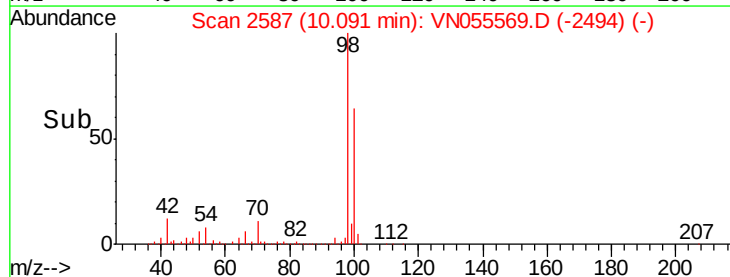
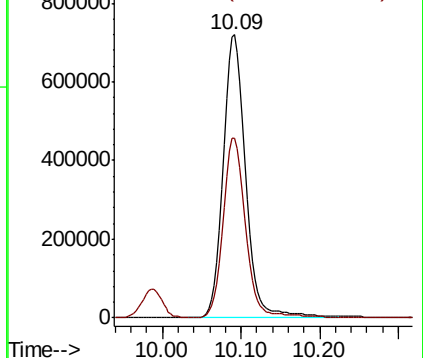


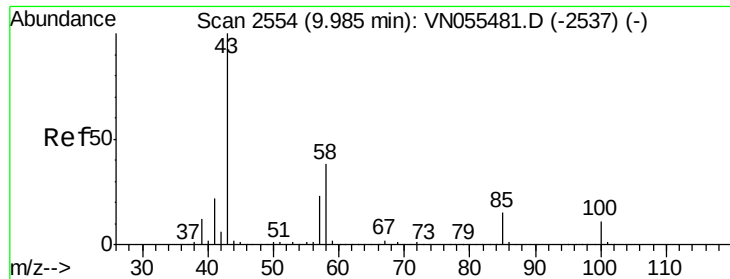
#50
Toluene-d8
Concen: 48.980 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 98 Resp: 1422786
Ion Ratio Lower Upper
98 100
100 63.1 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 88.268 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

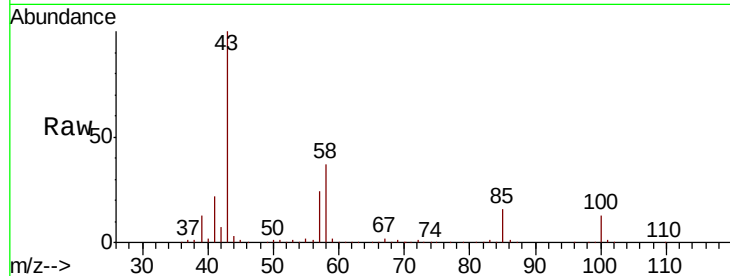
VN0513WBS01

Tot Ion: 43 Resp: 1095244

Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

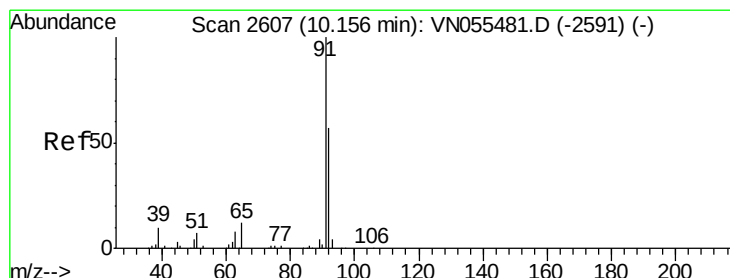
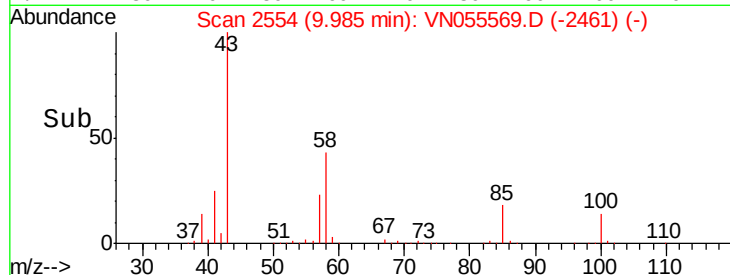
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.244 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055569.D

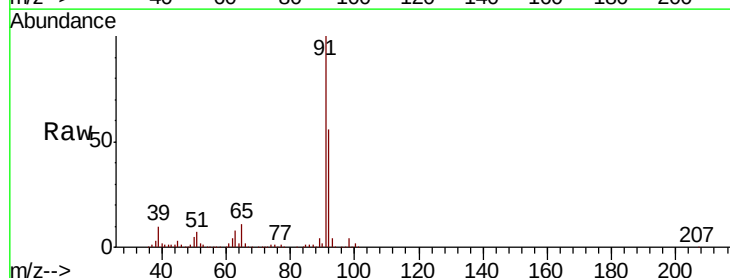
Acq: 13 May 2019 10:51

Tgt Ion: 92 Resp: 408914

Ion Ratio Lower Upper

92 100

91 177.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

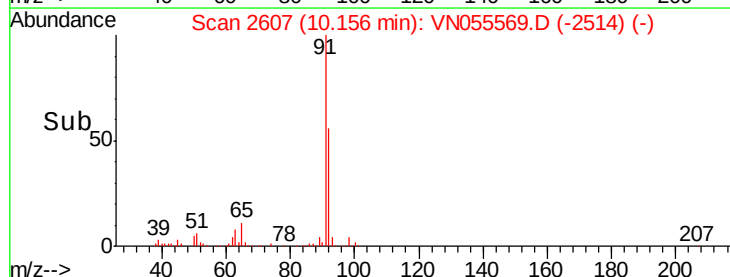
300000

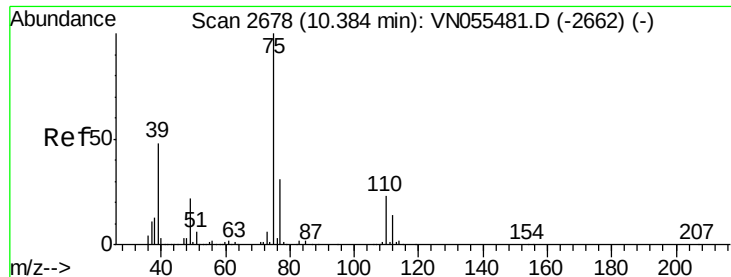
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.406 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

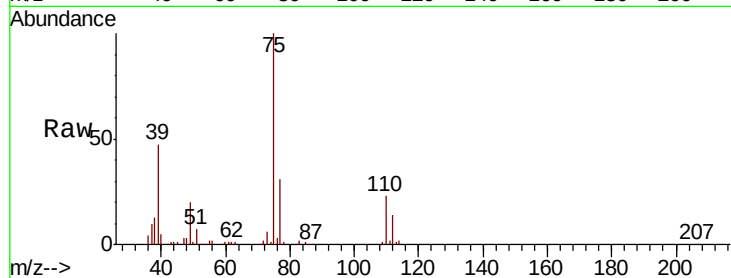
VN0513WBS01

Tot Ion: 75 Resp: 219700

Ion Ratio Lower Upper

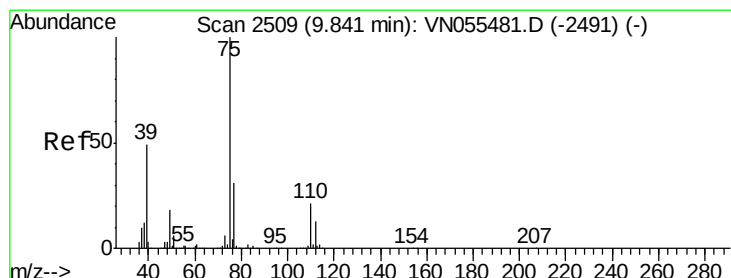
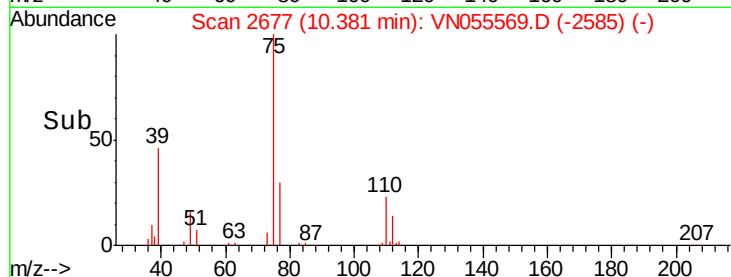
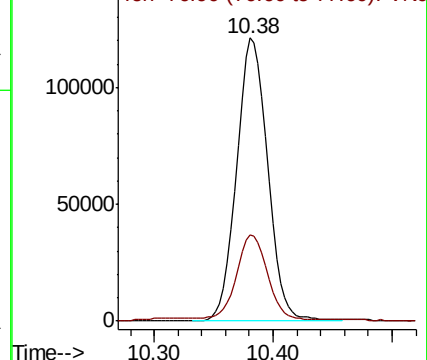
75 100

77 30.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.231 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

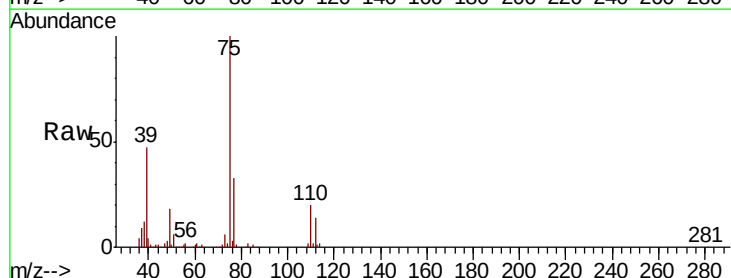
Tgt Ion: 75 Resp: 260274

Ion Ratio Lower Upper

75 100

77 32.9 24.4 36.6

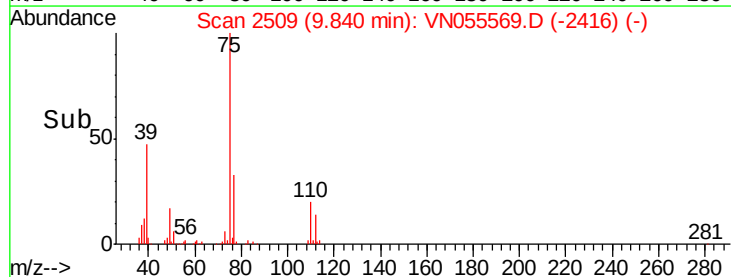
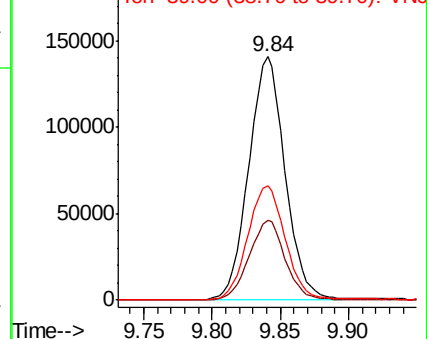
39 47.1 39.5 59.3

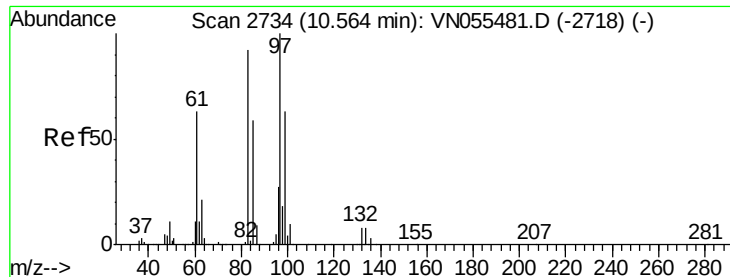


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.096 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

Tot Ion: 97 Resp: 164469

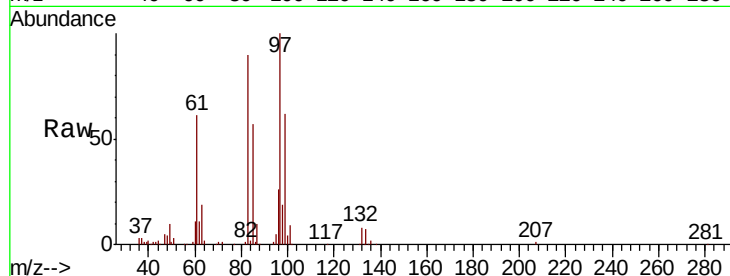
Ion Ratio Lower Upper

97 100

83 90.2 73.2 109.8

85 57.4 47.5 71.3

99 62.1 50.2 75.2

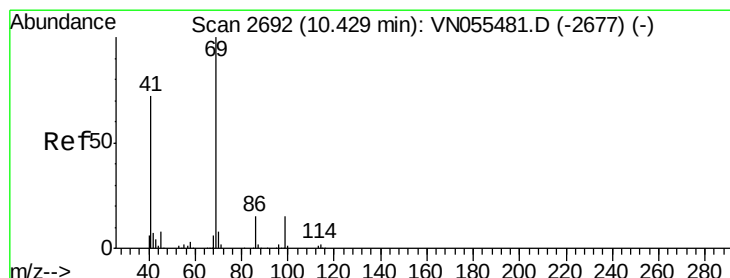
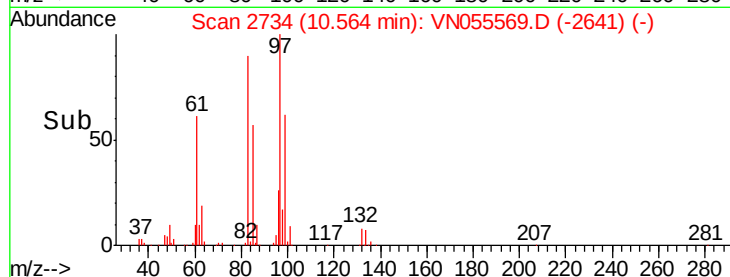
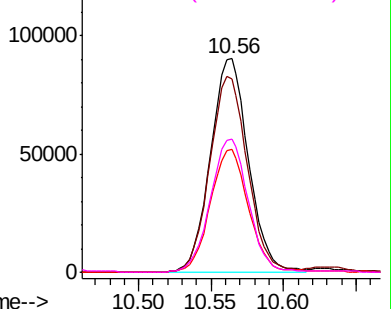


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.255 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

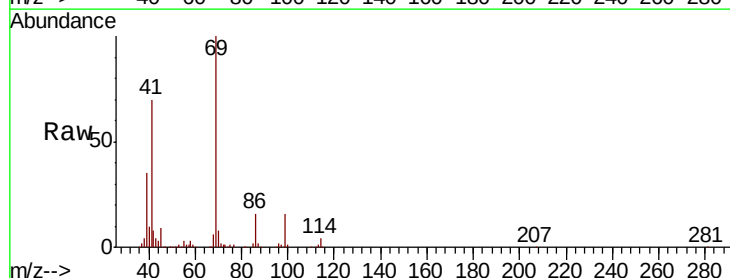
Tgt Ion: 69 Resp: 222227

Ion Ratio Lower Upper

69 100

41 69.2 56.2 84.2

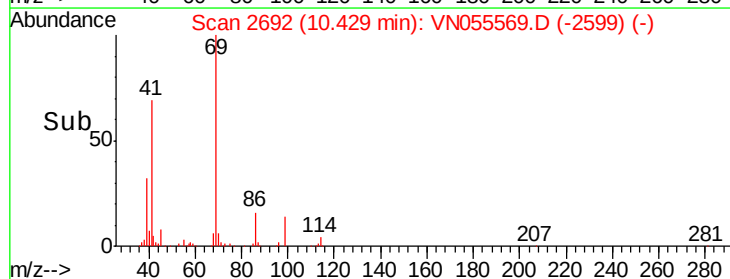
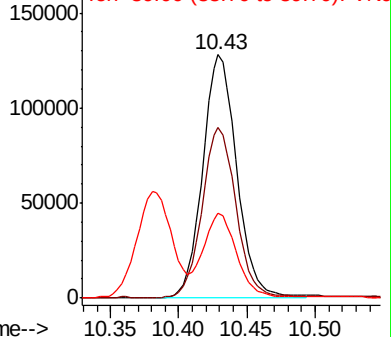
39 33.8 27.8 41.6

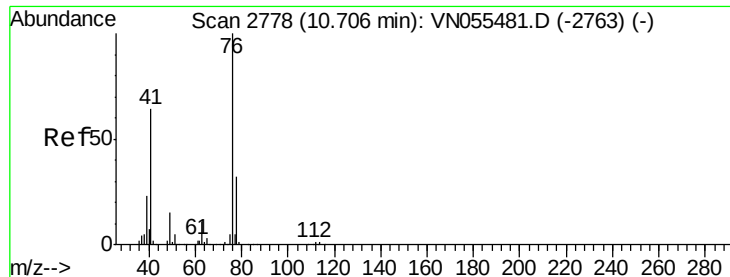


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.761 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

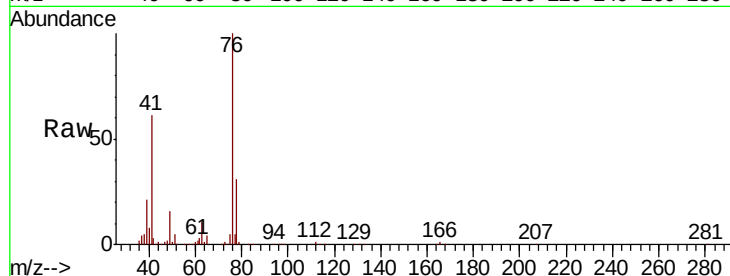
VN0513WBS01

Tot Ion: 76 Resp: 287120

Ion Ratio Lower Upper

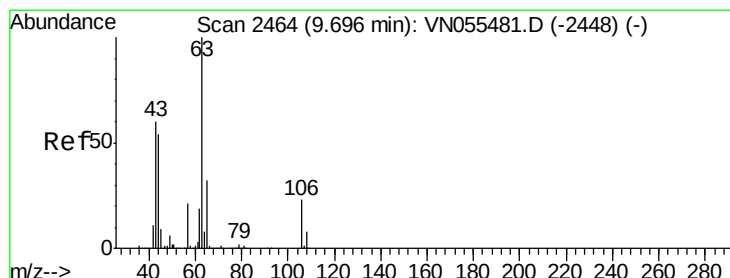
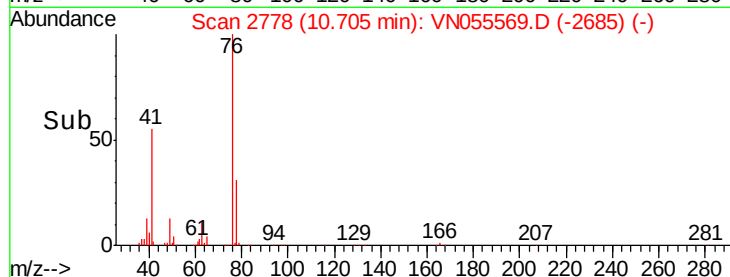
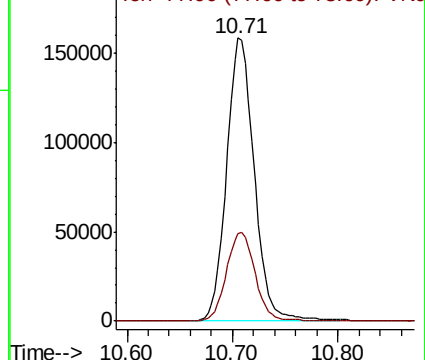
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 76.471 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055569.D

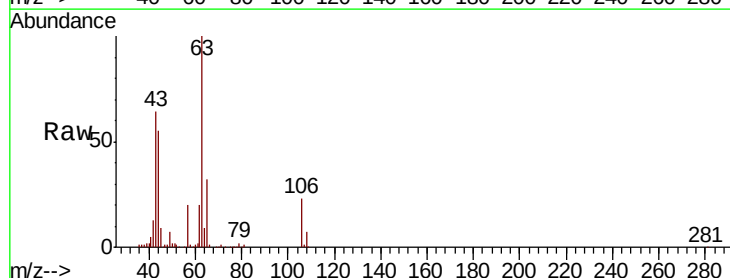
Acq: 13 May 2019 10:51

Tgt Ion: 63 Resp: 275905

Ion Ratio Lower Upper

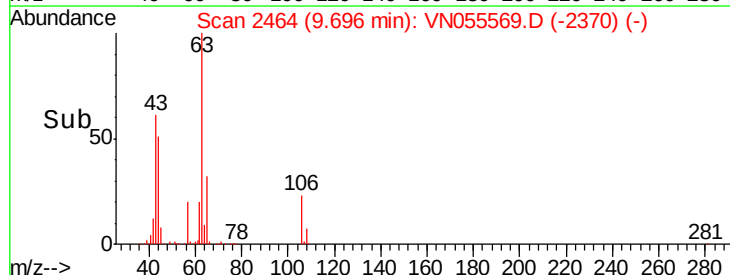
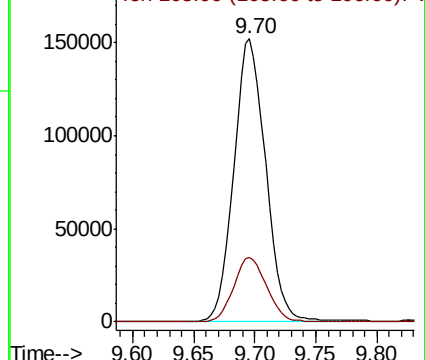
63 100

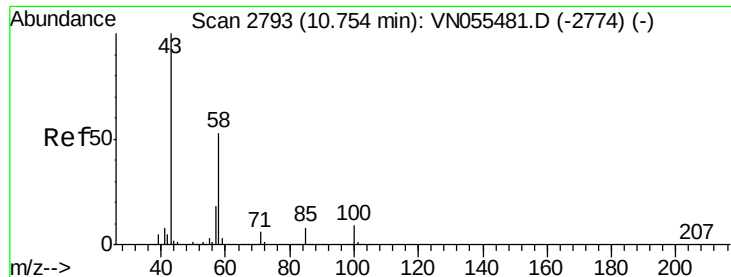
106 23.5 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

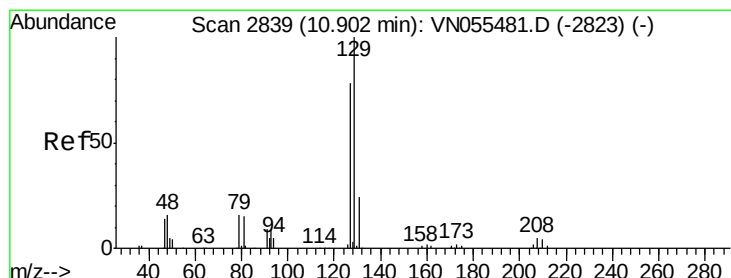
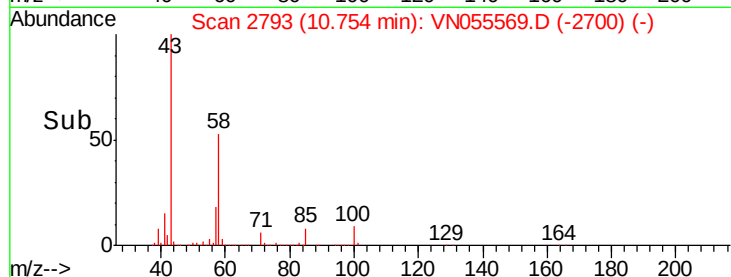
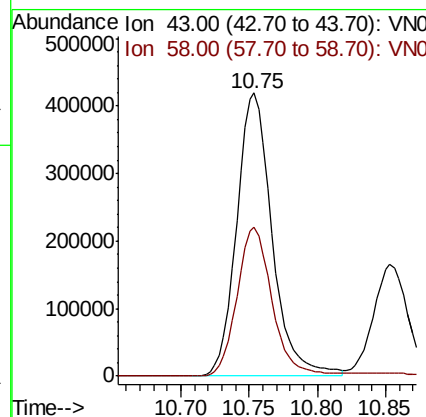
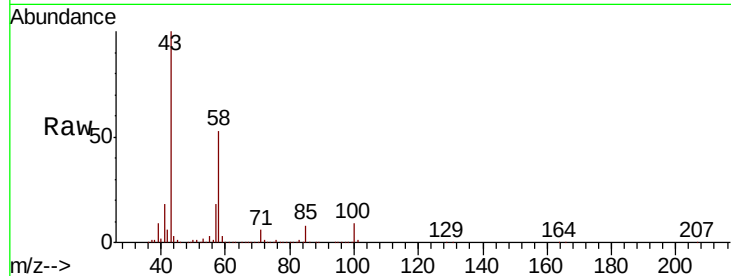




#59
2-Hexanone
Concen: 86.628 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

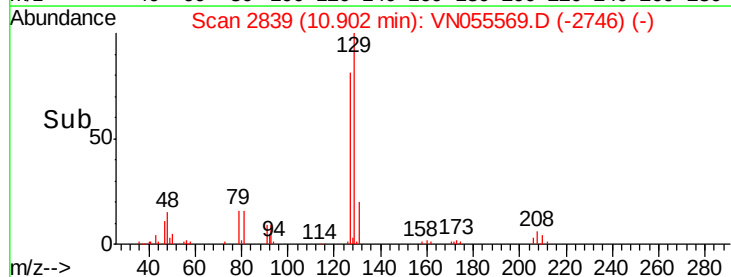
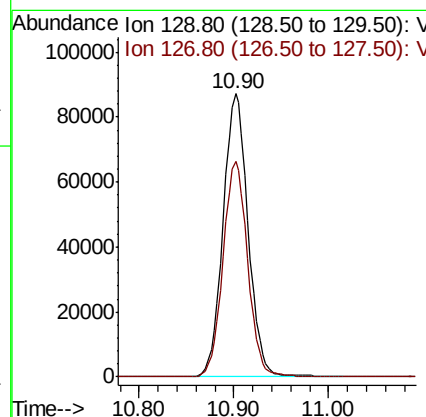
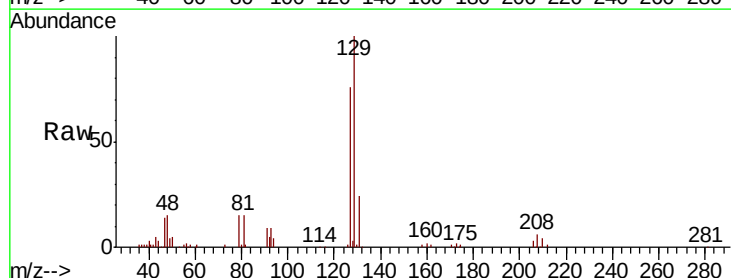
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

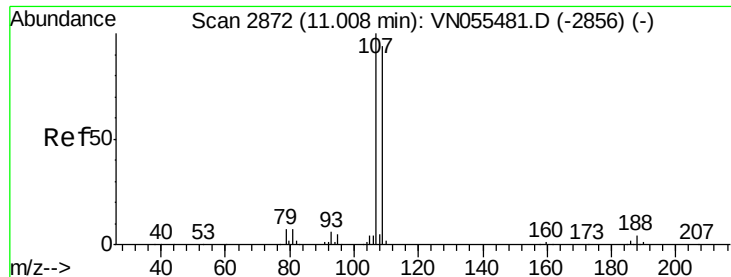
Tot Ion: 43 Resp: 753821
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 21.462 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 129 Resp: 159694
Ion Ratio Lower Upper
129 100
127 75.3 38.6 116.0

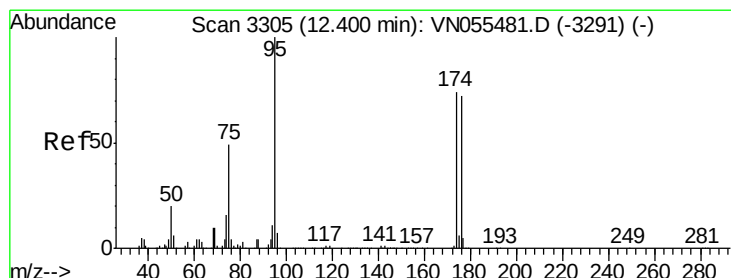
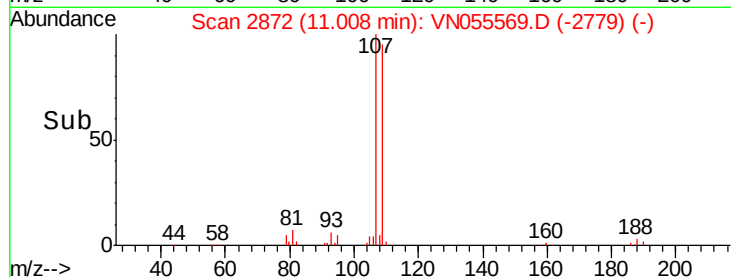
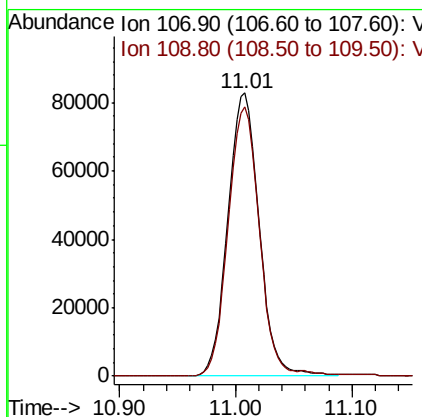
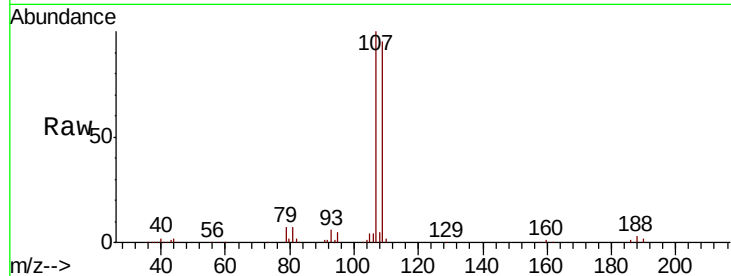




#61
 1,2-Dibromoethane
 Concen: 19.632 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

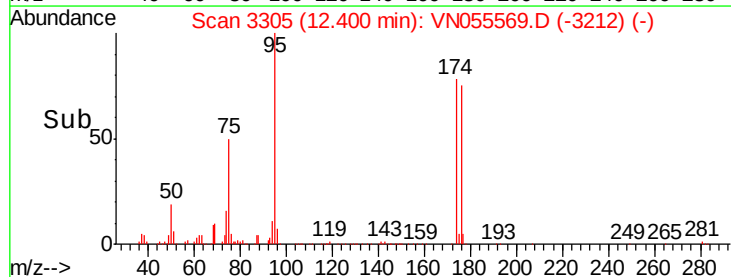
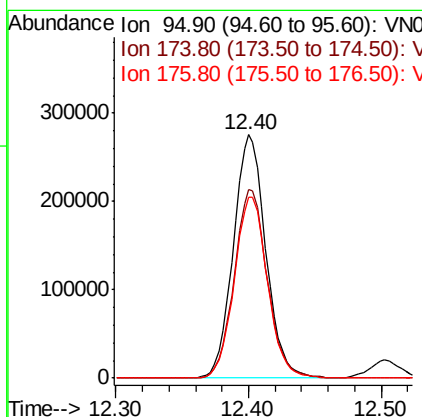
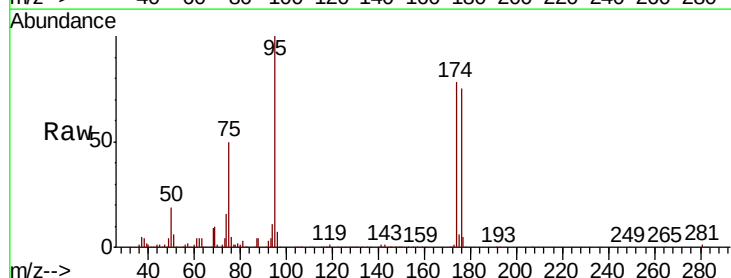
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

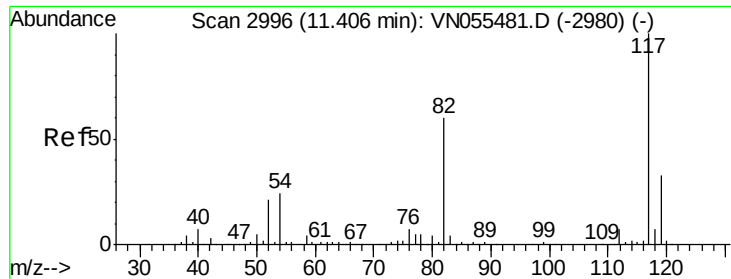
Tot Ion:107 Resp: 154369
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 47.769 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion: 95 Resp: 467882
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 152.2
 176 76.3 0.0 147.8

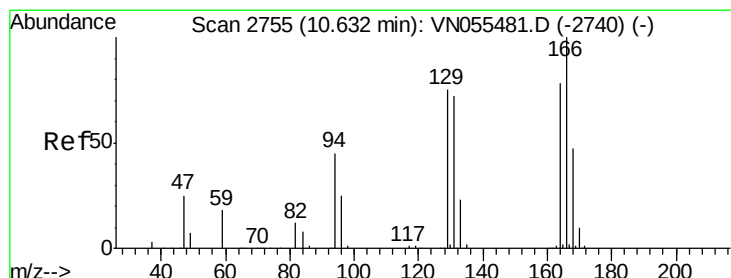
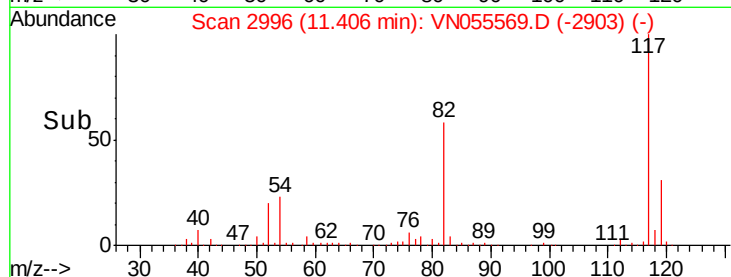
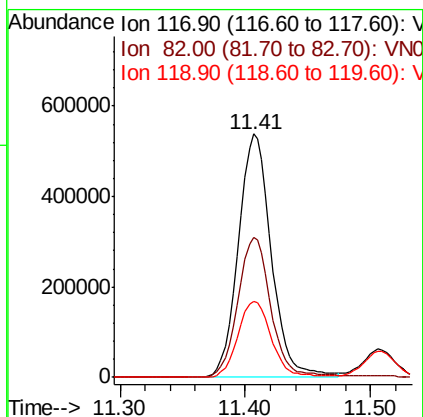
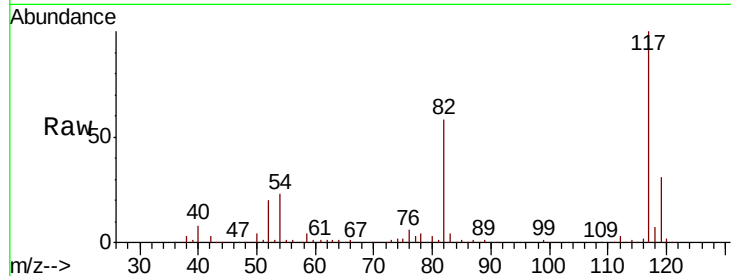




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

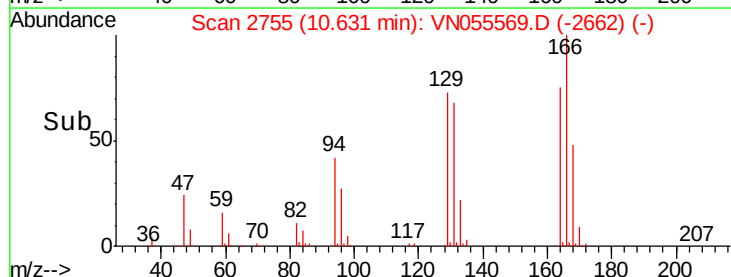
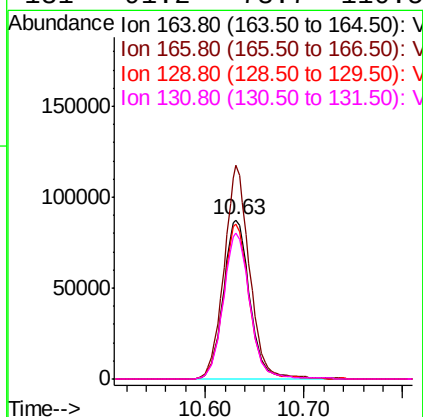
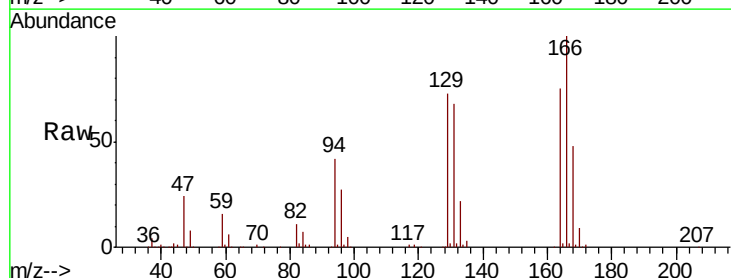
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

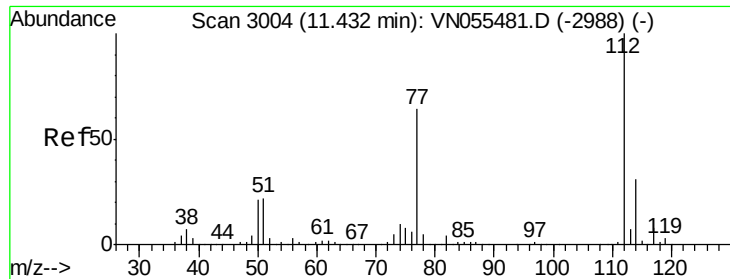
Tot Ion:117 Resp: 983101
Ion Ratio Lower Upper
117 100
82 57.6 48.0 72.0
119 31.3 26.0 39.0



#64
Tetrachloroethene
Concen: 20.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion:164 Resp: 164384
Ion Ratio Lower Upper
164 100
166 134.1 102.6 153.8
129 97.2 77.0 115.6
131 91.2 73.7 110.5

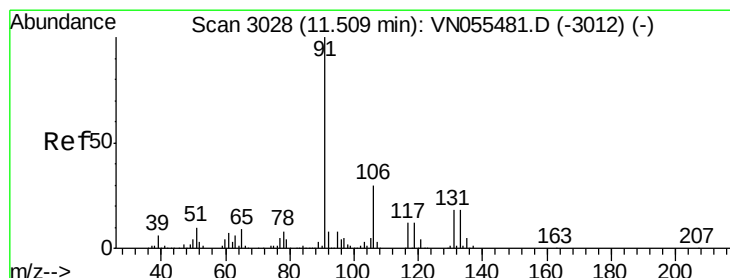
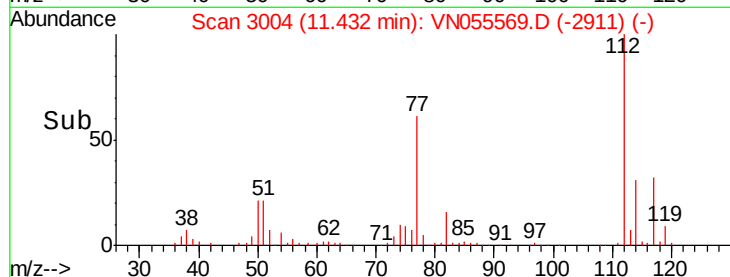
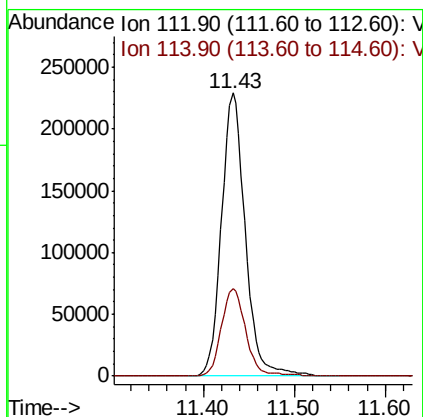
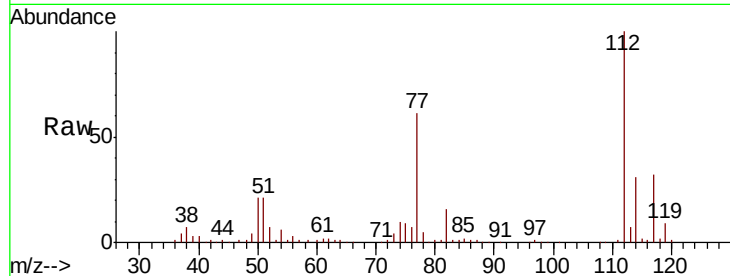




#65
Chlorobenzene
Concen: 20.577 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

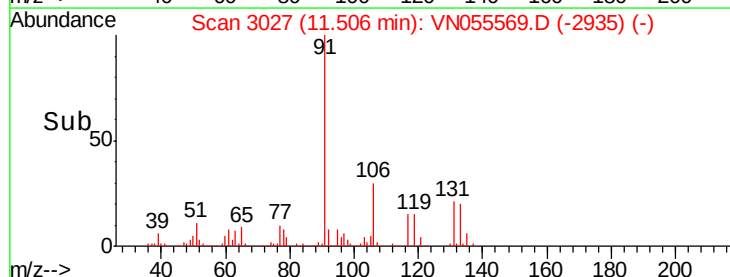
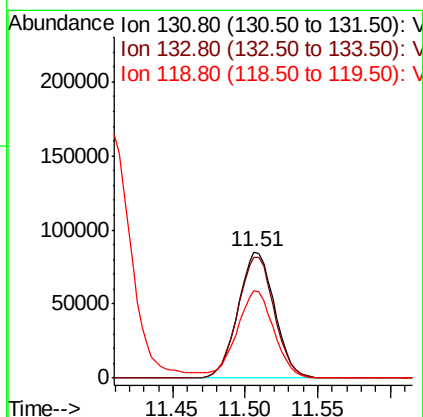
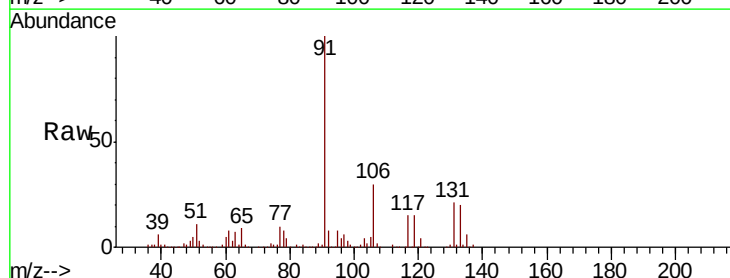
Instrument :
MSVOA_N
ClientSampled :
VN0513WBS01

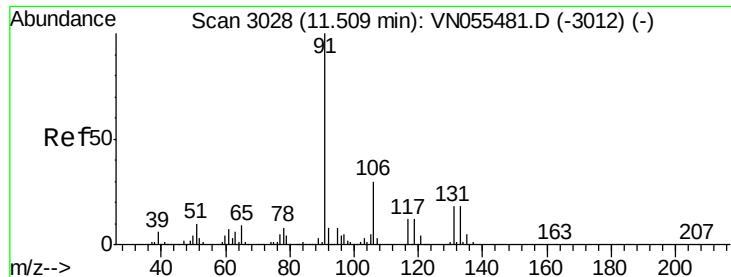
Tot Ion:112 Resp: 416184
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.383 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion:131 Resp: 148888
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.2
119 69.8 34.1 102.2





#67

Ethyl Benzene

Concen: 19.840 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

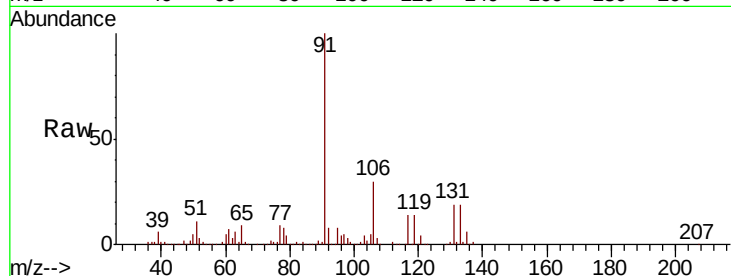
VN0513WBS01

Tot Ion: 91 Resp: 753677

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN055481.D (-3012) (-)

600000

400000

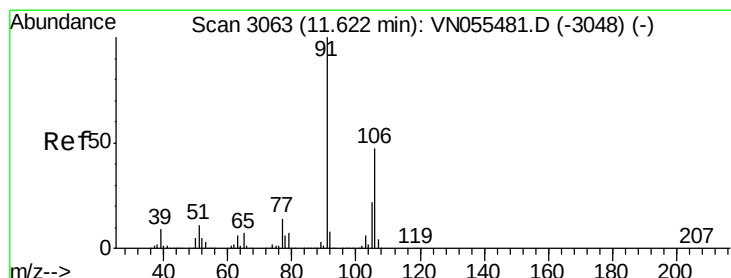
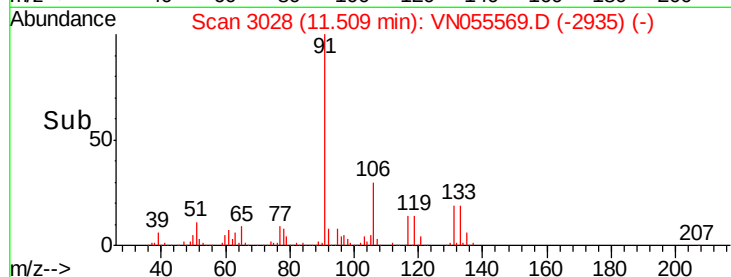
200000

0

11.51

11.60

Time-->



#68

m/p-Xylenes

Concen: 40.079 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055569.D

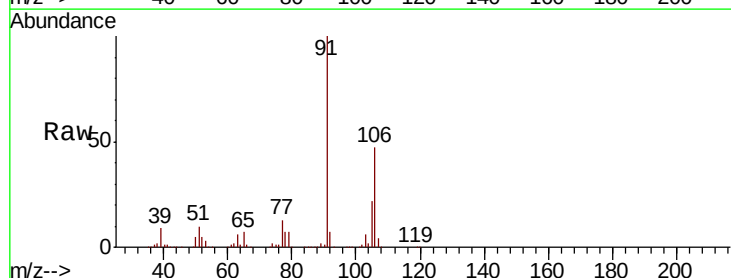
Acq: 13 May 2019 10:51

Tgt Ion:106 Resp: 546382

Ion Ratio Lower Upper

106 100

91 211.7 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-3048) (-)

600000

400000

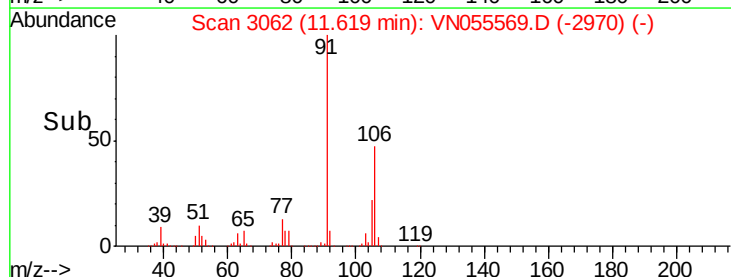
200000

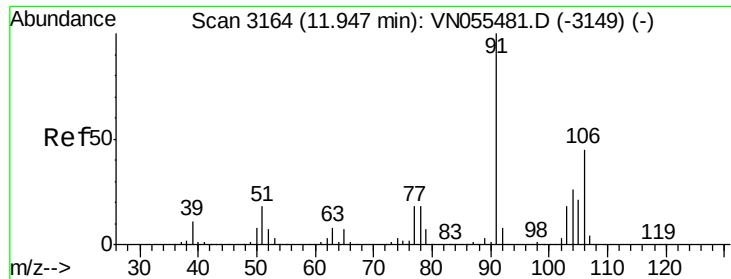
0

11.62

11.70

Time-->

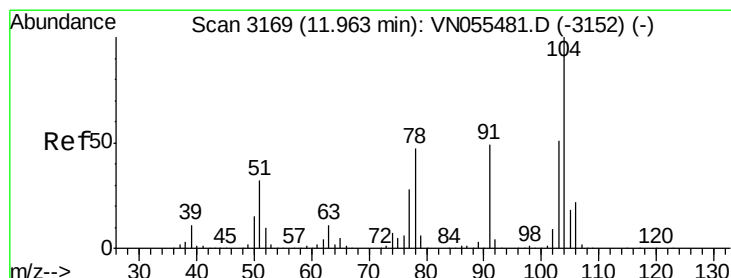
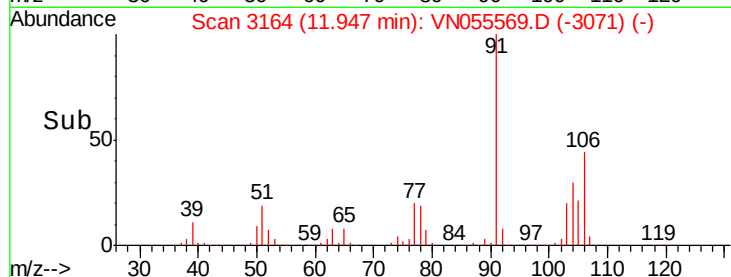
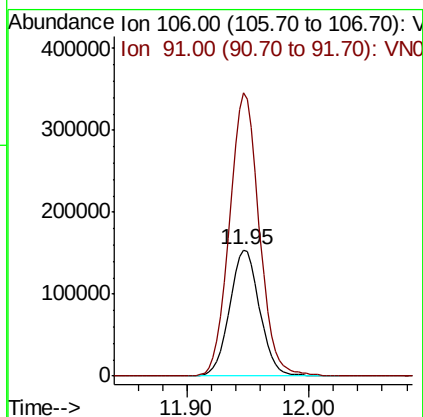
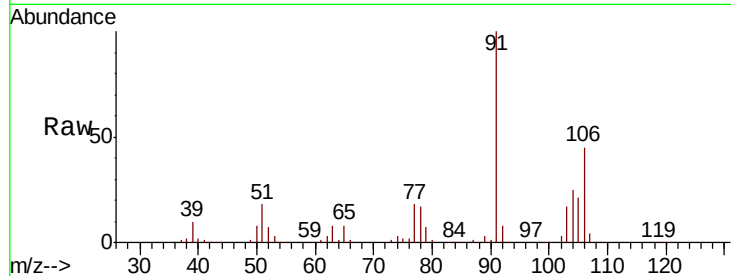




#69
o-Xylene
Concen: 19.794 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

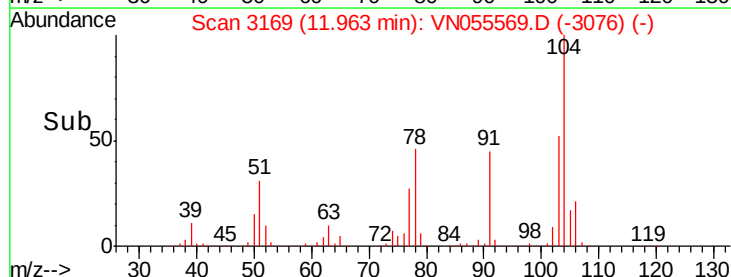
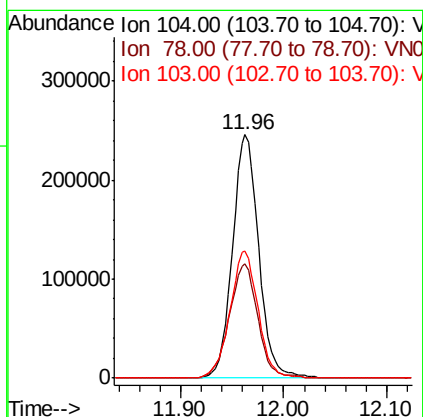
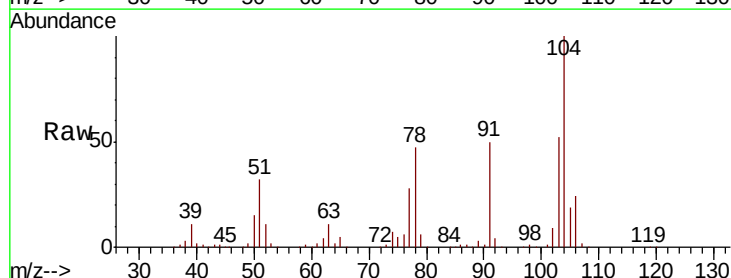
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBS01

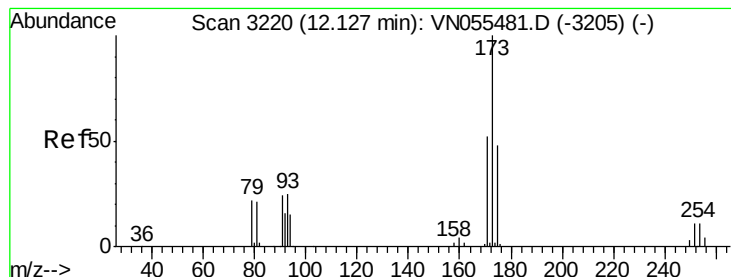
Tot Ion:106 Resp: 265218
Ion Ratio Lower Upper
106 100
91 222.3 111.3 333.8



#70
Styrene
Concen: 20.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion:104 Resp: 436181
Ion Ratio Lower Upper
104 100
78 51.0 41.6 62.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 20.834 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

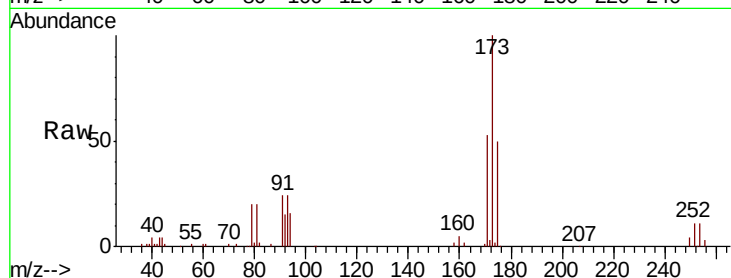
Tot Ion:173 Resp: 97895

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

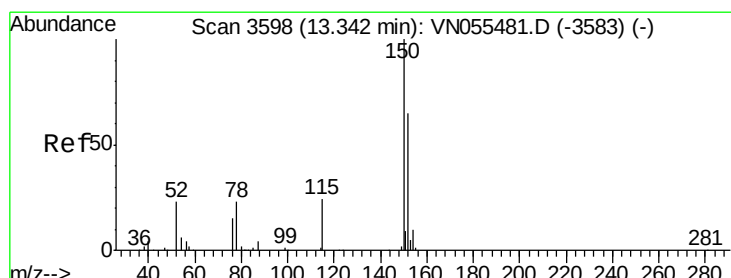
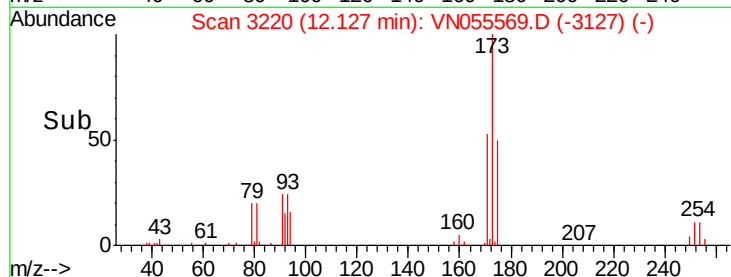
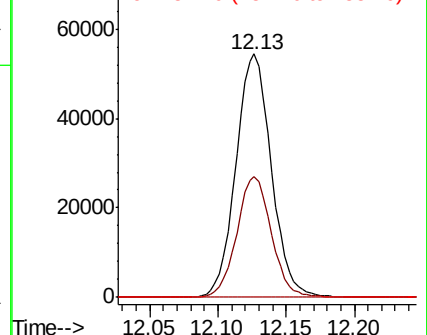
254 0.0 0.1 0.1#



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: VN055569.D

Acq: 13 May 2019 10:51

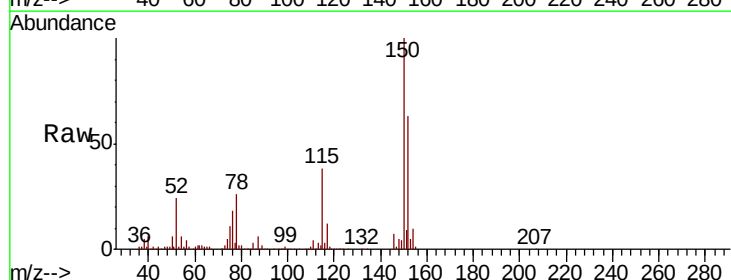
Tgt Ion:152 Resp: 382541

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

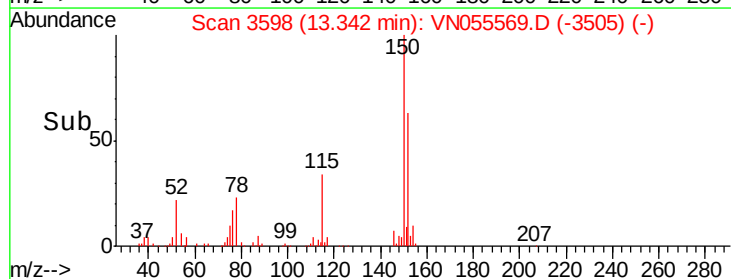
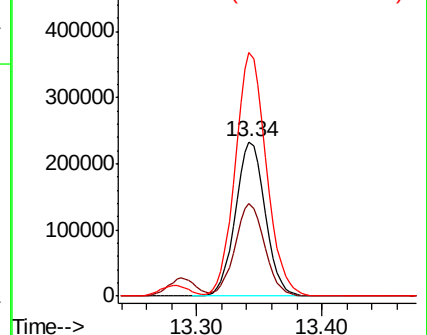
150 165.0 0.0 355.0

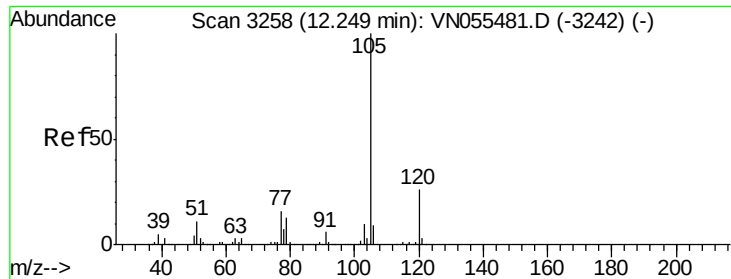


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.413 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

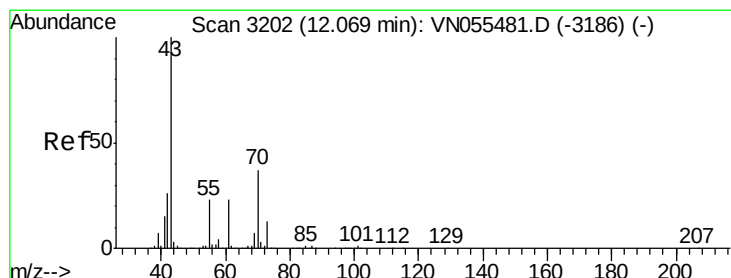
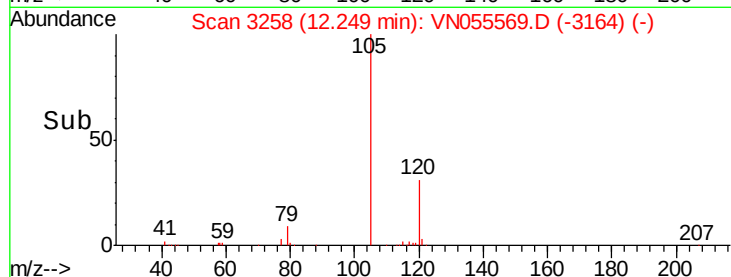
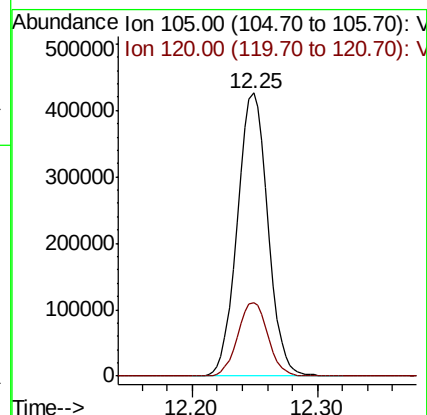
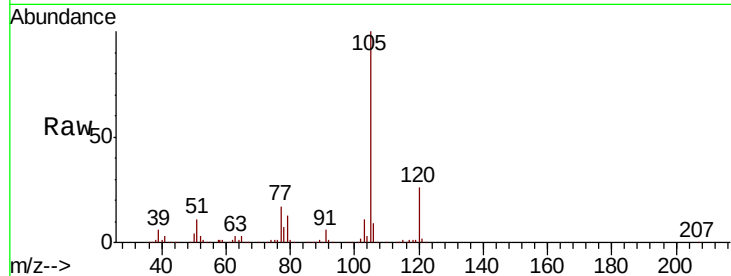
VN0513WBS01

Tot Ion:105 Resp: 720602

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 16.180 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Tgt Ion: 43 Resp: 234981

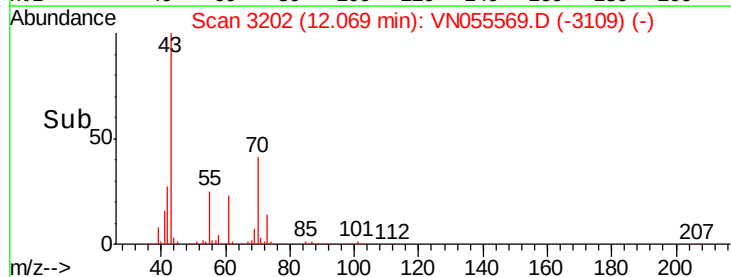
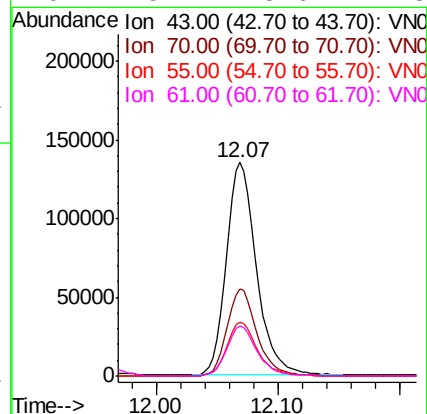
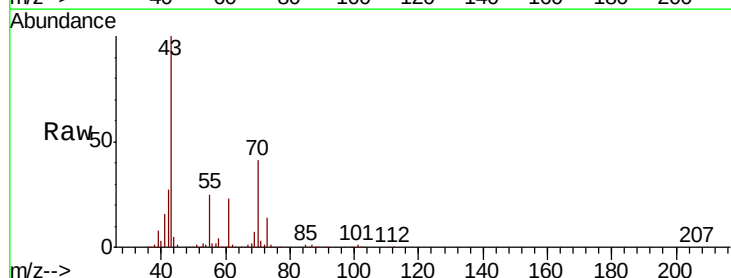
Ion Ratio Lower Upper

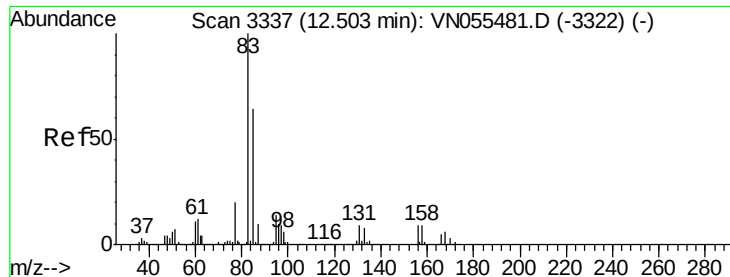
43 100

70 40.4 30.7 46.1

55 25.8 19.3 28.9

61 23.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.594 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

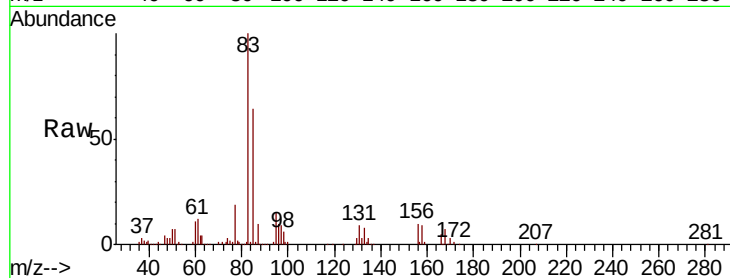
Tot Ion: 83 Resp: 225960

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.5

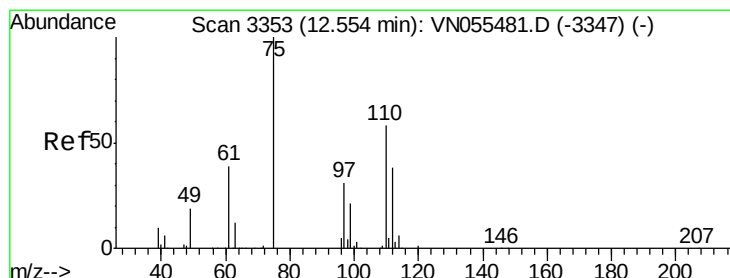
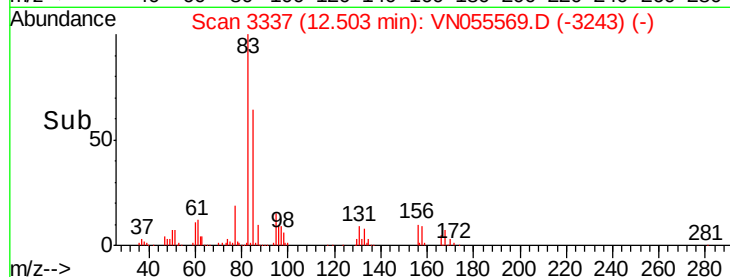
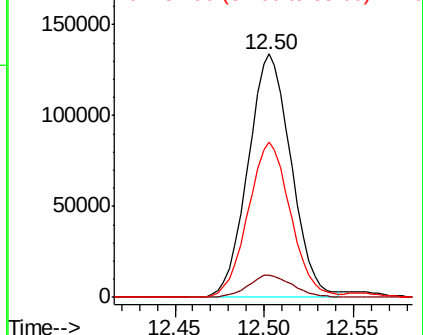
85 63.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055481.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055481.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055481.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 24.859 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055569.D

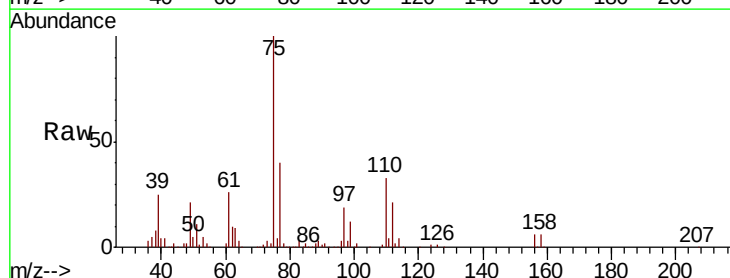
Acq: 13 May 2019 10:51

Tgt Ion: 75 Resp: 258884

Ion Ratio Lower Upper

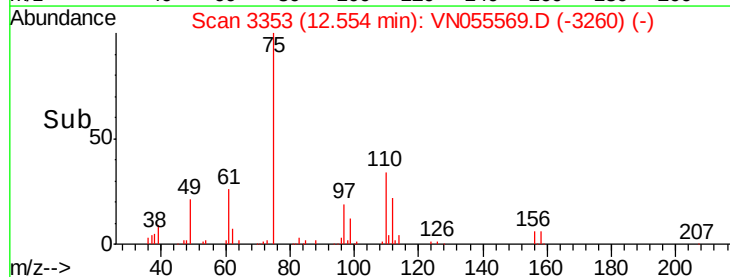
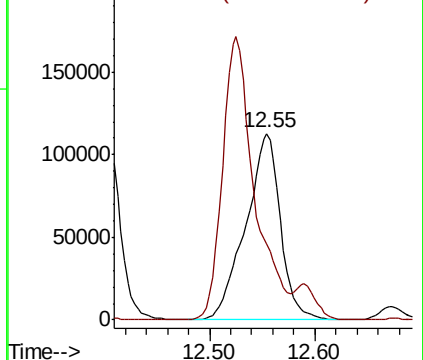
75 100

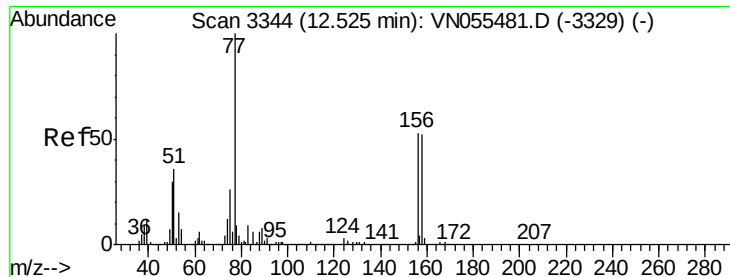
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055481.D (-3347) (-)





#77

Bromobenzene

Concen: 19.565 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

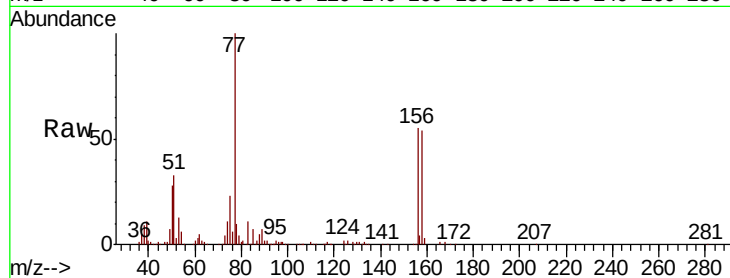
Tot Ion:156 Resp: 164940

Ion Ratio Lower Upper

156 100

77 218.2 115.4 346.2

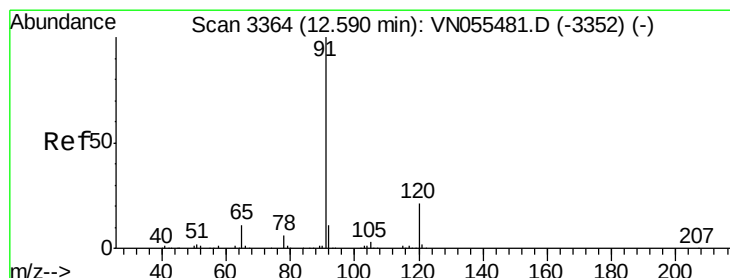
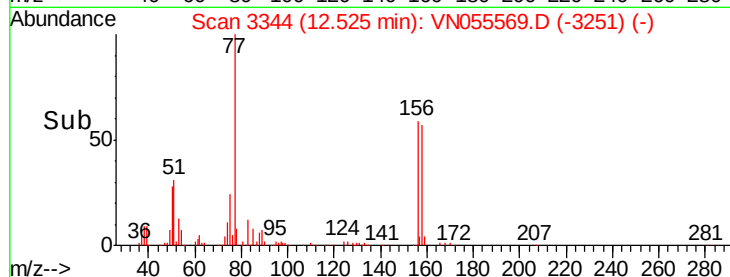
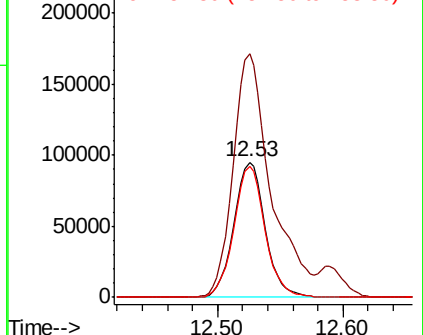
158 96.5 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.346 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055569.D

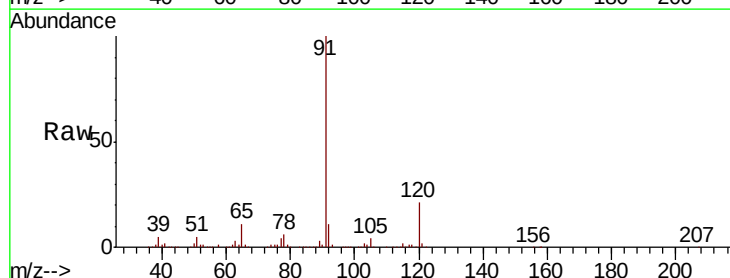
Acq: 13 May 2019 10:51

Tgt Ion: 91 Resp: 793763

Ion Ratio Lower Upper

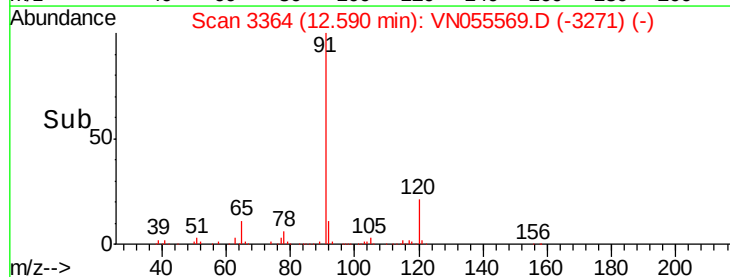
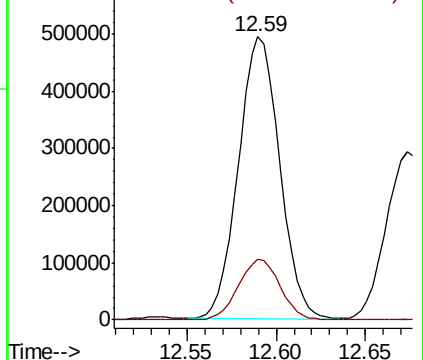
91 100

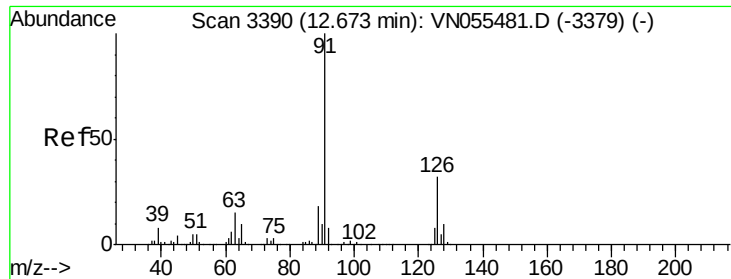
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.247 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

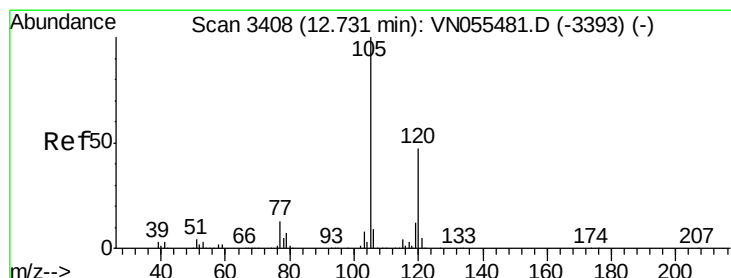
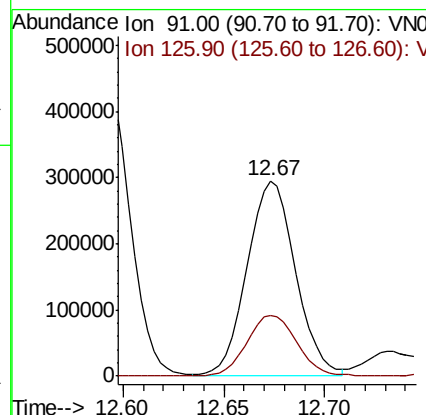
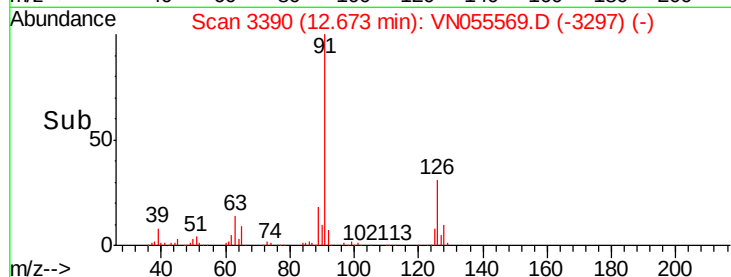
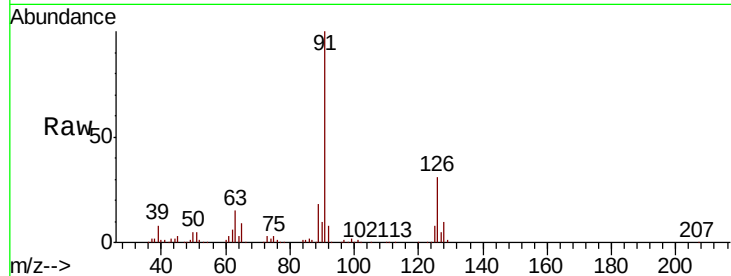
VN0513WBS01

Tot Ion: 91 Resp: 492142

Ion Ratio Lower Upper

91 100

126 32.7 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 19.284 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055569.D

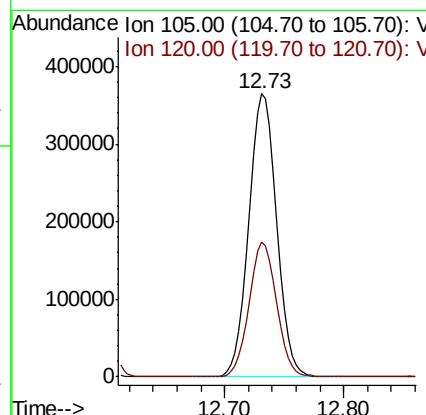
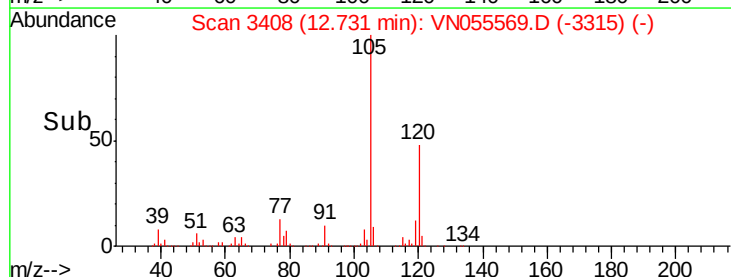
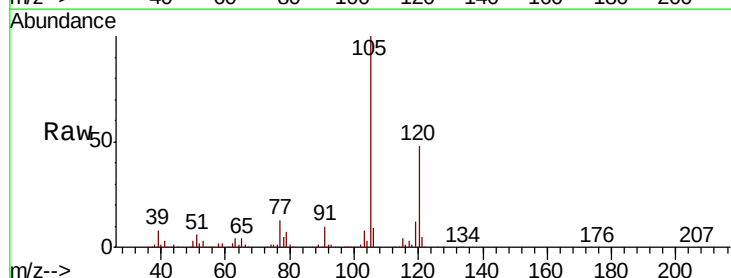
Acq: 13 May 2019 10:51

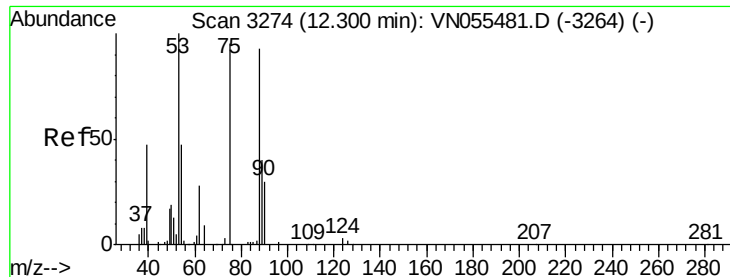
Tgt Ion: 105 Resp: 589972

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.920 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

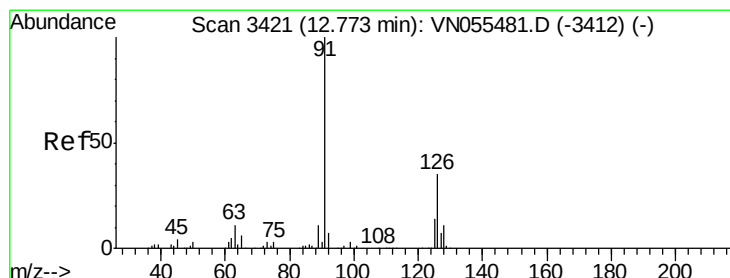
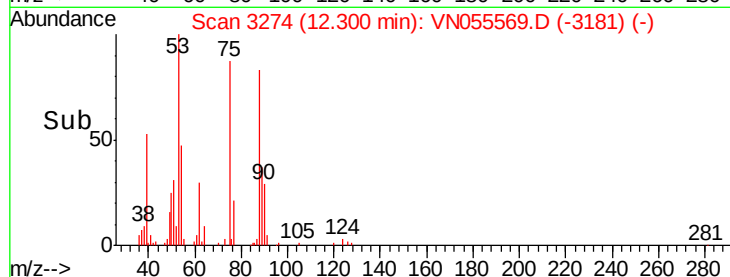
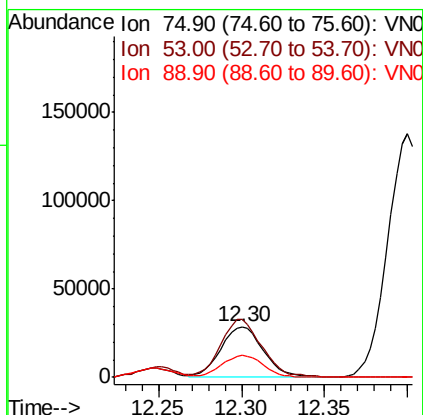
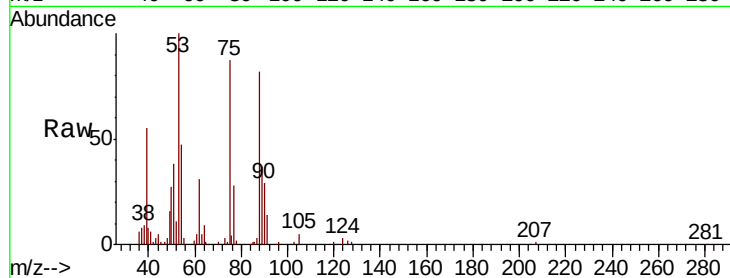
Tot Ion: 75 Resp: 50577

Ion Ratio Lower Upper

75 100

53 111.4 86.5 129.7

89 41.9 35.7 53.5



#82

4-Chlorotoluene

Concen: 19.417 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055569.D

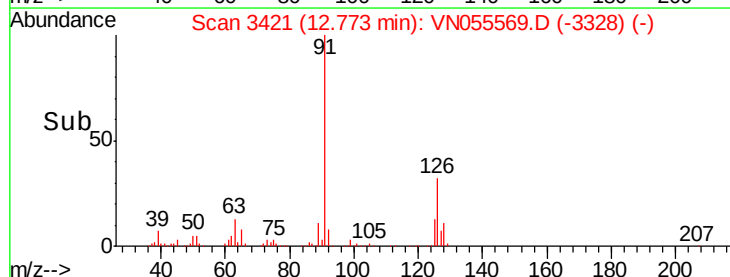
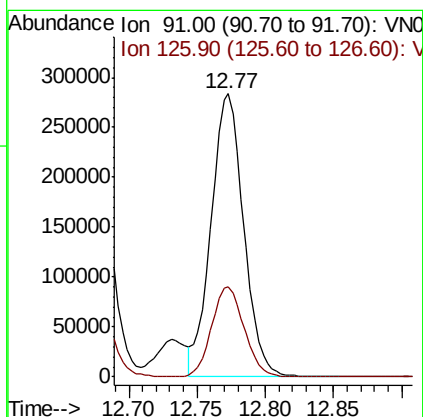
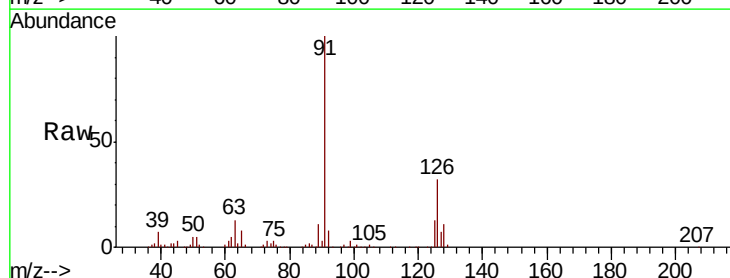
Acq: 13 May 2019 10:51

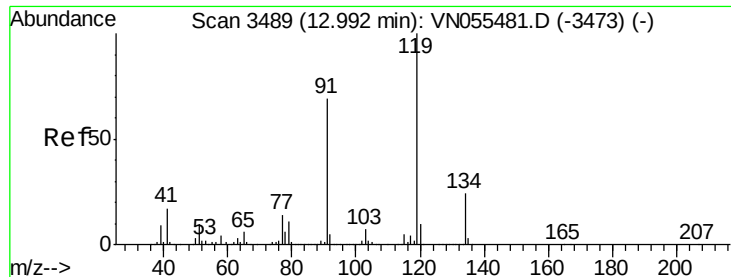
Tgt Ion: 91 Resp: 469147

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.0

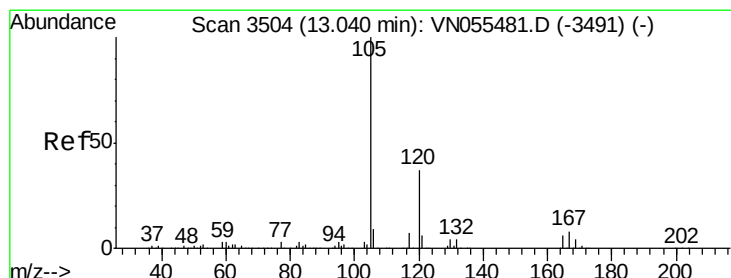
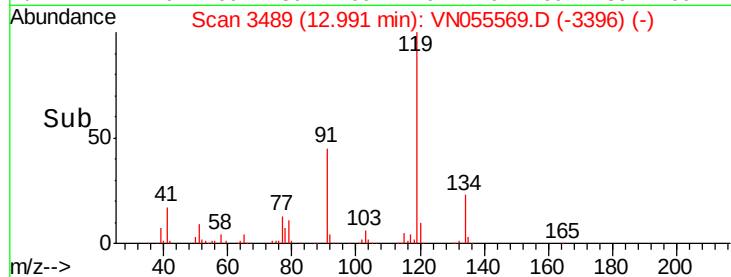
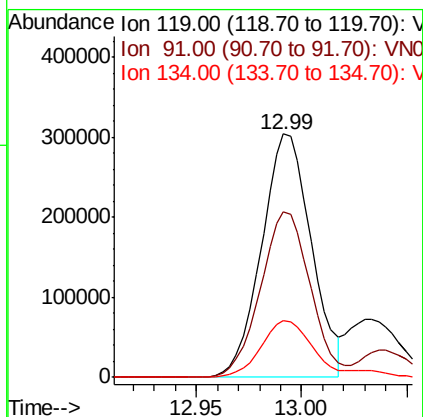
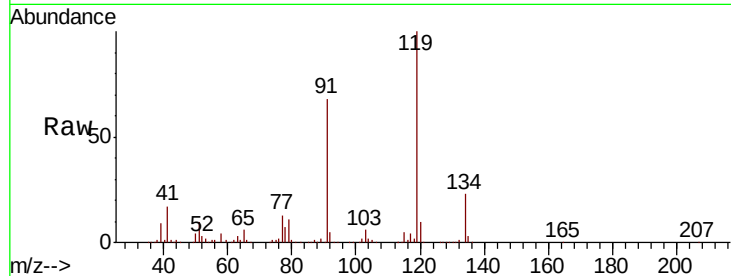




#83
 tert-Butylbenzene
 Concen: 19.067 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

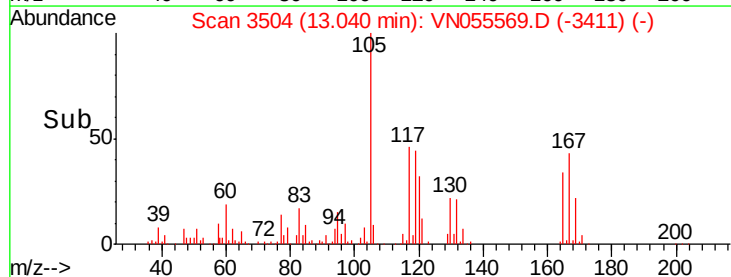
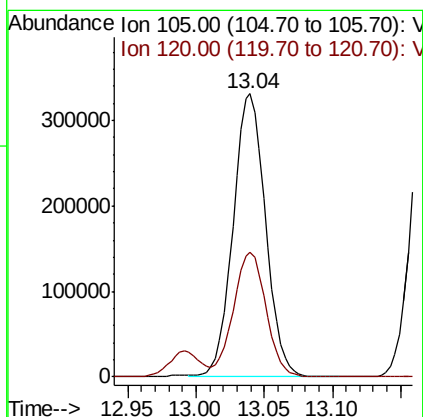
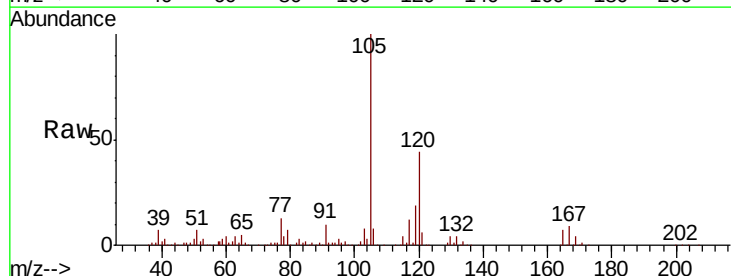
Instrument :
 MSVOA_N
 ClientSampled :
 VN0513WBS01

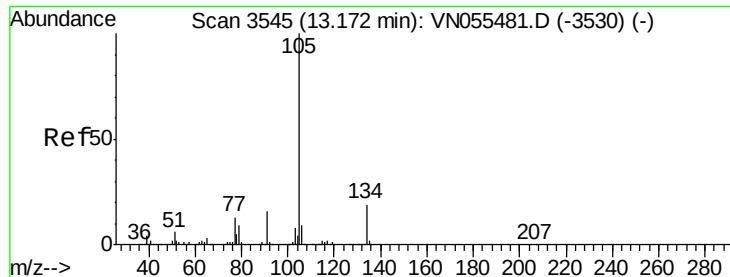
Tot Ion:119 Resp: 500010
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.8 101.3
 134 24.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion:105 Resp: 544500
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 19.170 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

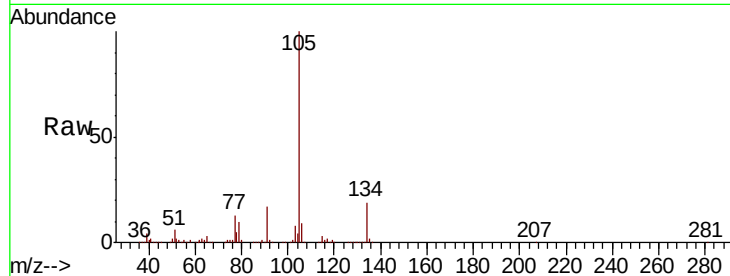
VN0513WBS01

Tot Ion:105 Resp: 668111

Ion Ratio Lower Upper

105 100

134 19.4 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

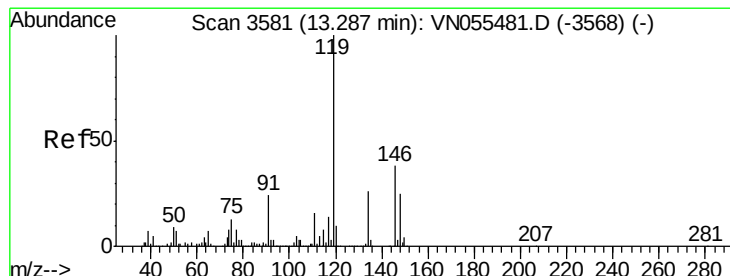
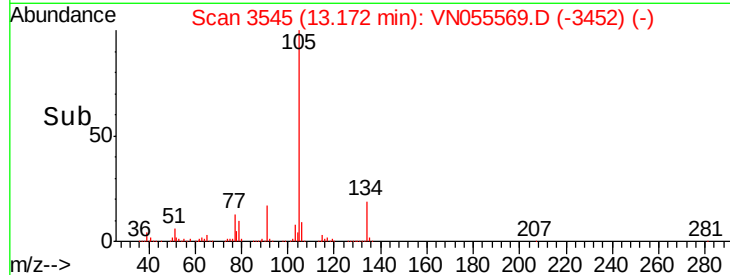
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.382 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

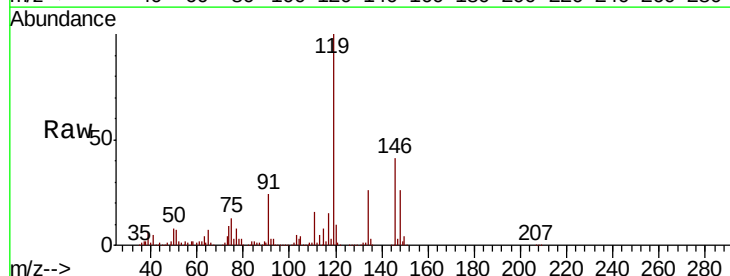
Tgt Ion:119 Resp: 549738

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 23.4 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

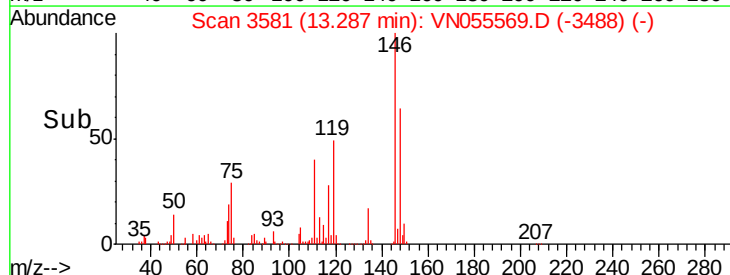
300000

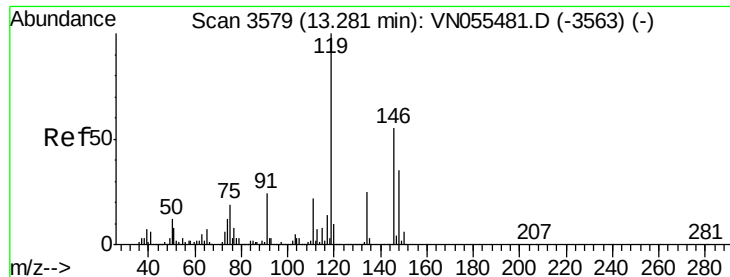
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.038 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampled :

VN0513WBS01

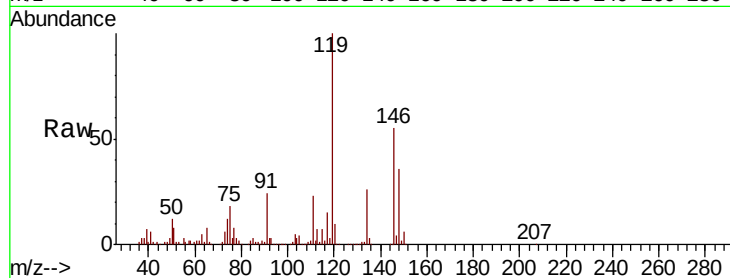
Tot Ion:146 Resp: 261032

Ion Ratio Lower Upper

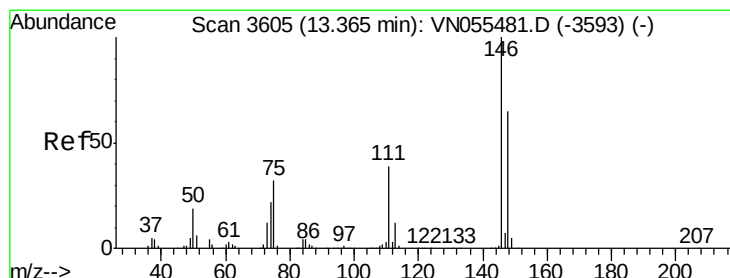
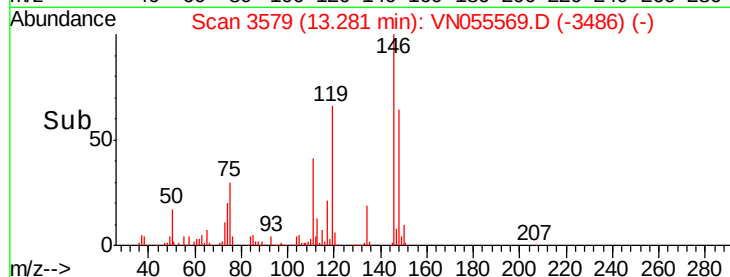
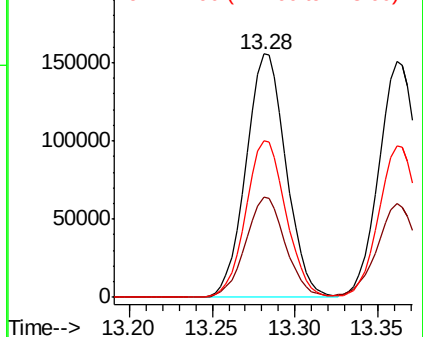
146 100

111 40.8 20.4 61.3

148 64.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 19.794 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

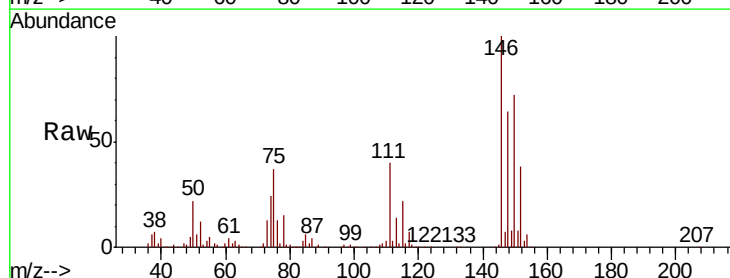
Tgt Ion:146 Resp: 254471

Ion Ratio Lower Upper

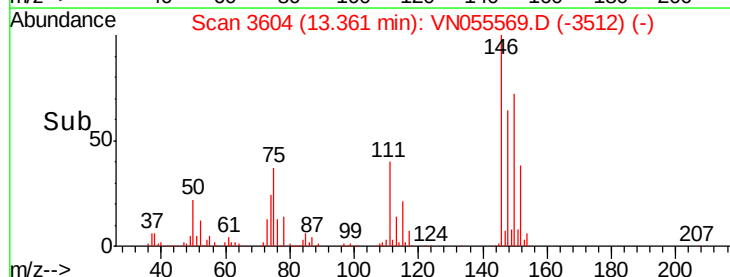
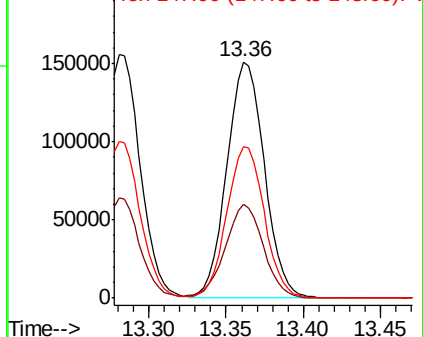
146 100

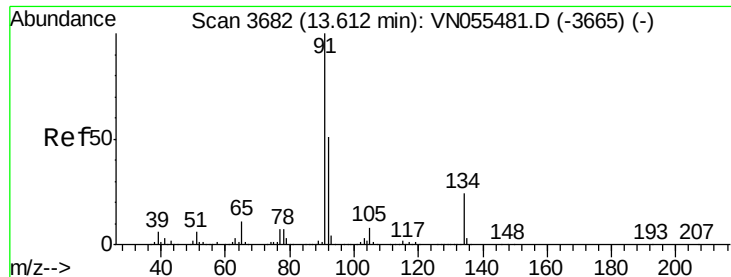
111 40.4 19.6 58.8

148 64.0 32.5 97.4



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

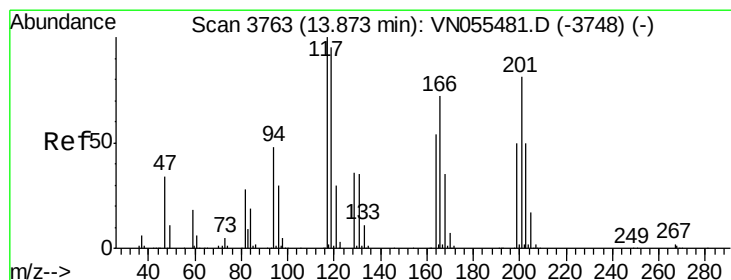
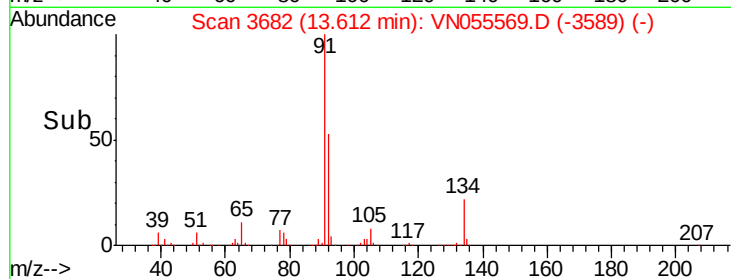
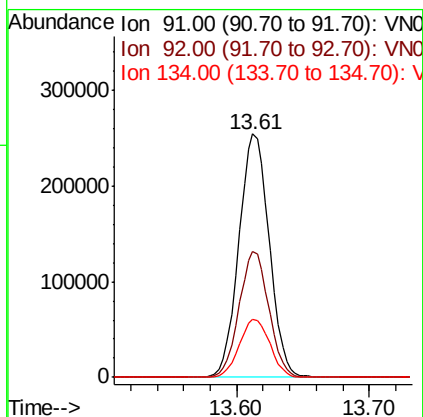
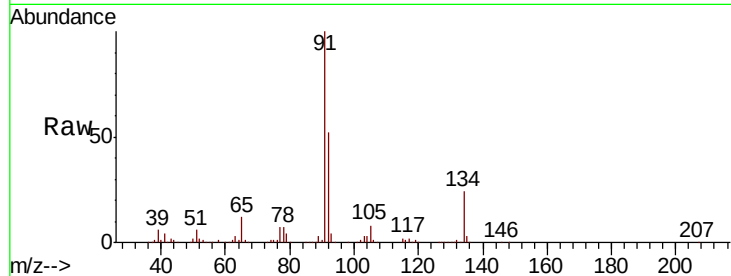




#89
n-Butylbenzene
Concen: 18.411 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

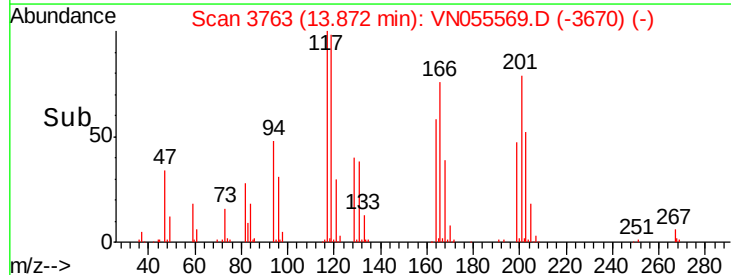
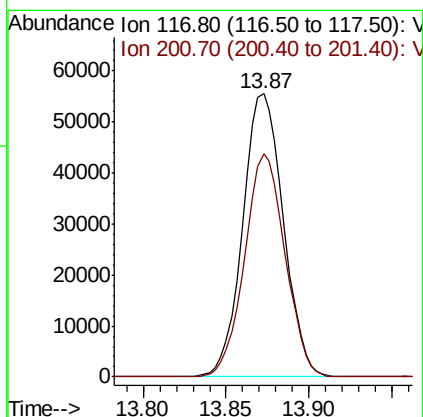
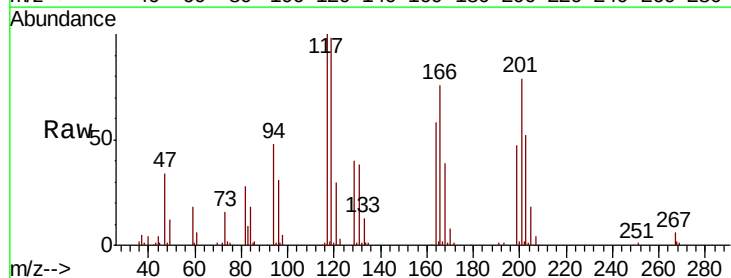
Instrument :
MSVOA_N
ClientSampled :
VN0513WBS01

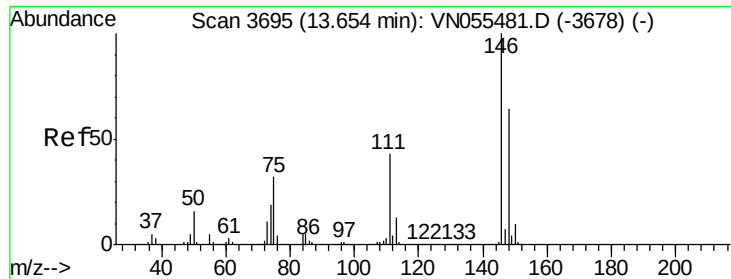
Tot Ion: 91 Resp: 404777
Ion Ratio Lower Upper
91 100
92 50.6 25.9 77.7
134 24.0 11.8 35.4



#90
Hexachloroethane
Concen: 20.413 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055569.D
Acq: 13 May 2019 10:51

Tgt Ion: 117 Resp: 94448
Ion Ratio Lower Upper
117 100
201 78.4 40.1 120.2

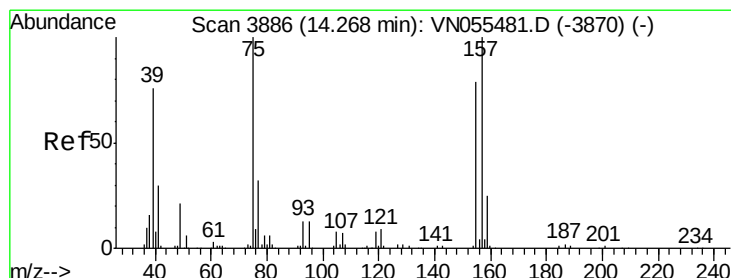
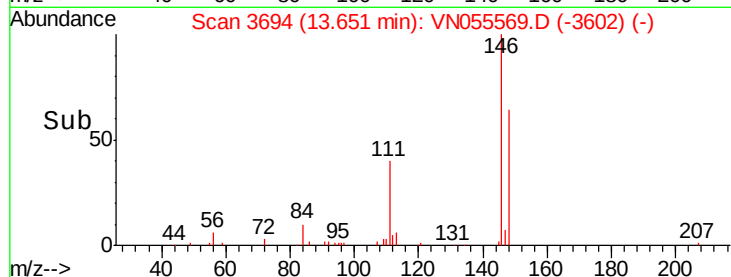
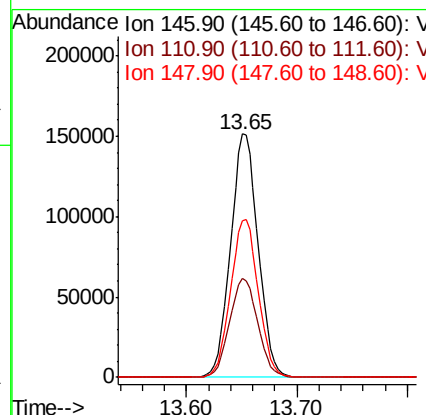
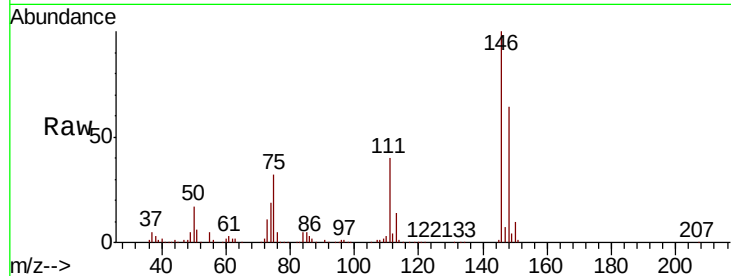




#91
 1,2-Dichlorobenzene
 Concen: 20.099 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

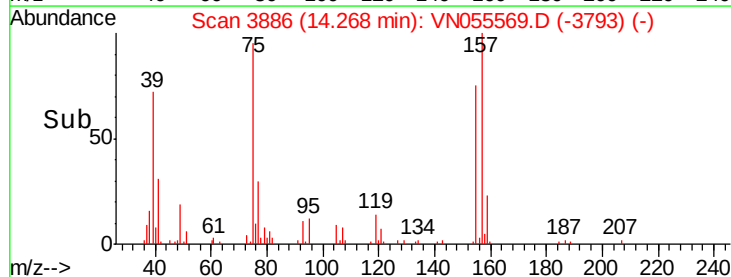
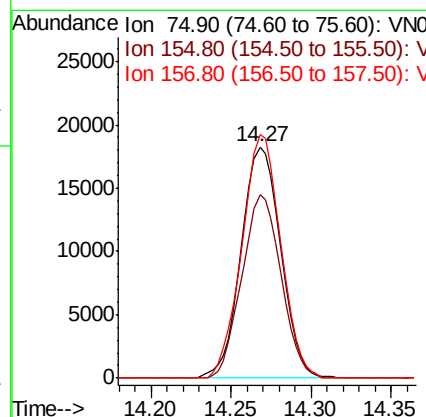
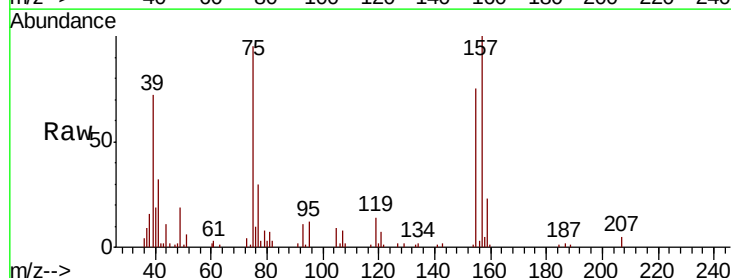
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

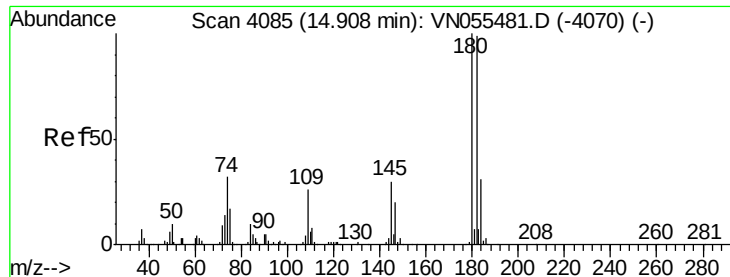
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	65.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.520 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.3	117.8
157	103.1	50.6	151.8

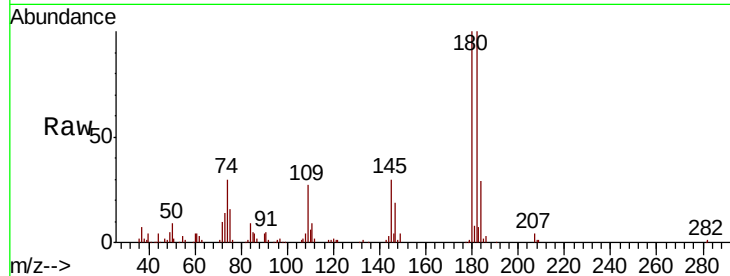




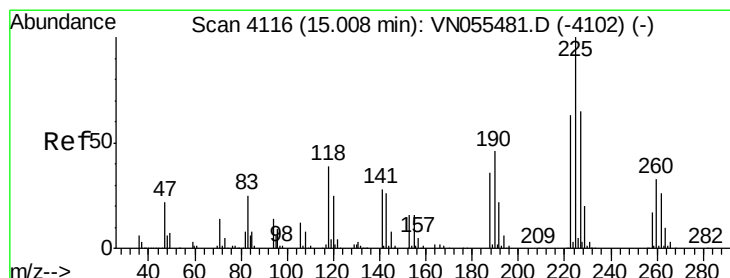
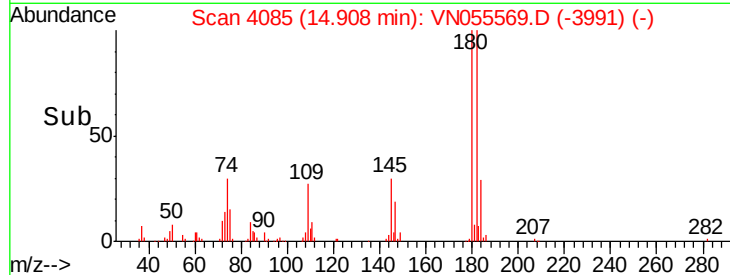
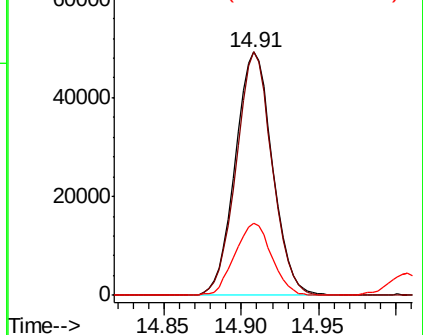
#93
 1,2,4-Trichlorobenzene
 Concen: 16.781 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Tot Ion:180 Resp: 82228
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.7 146.1
 145 29.4 15.3 45.9

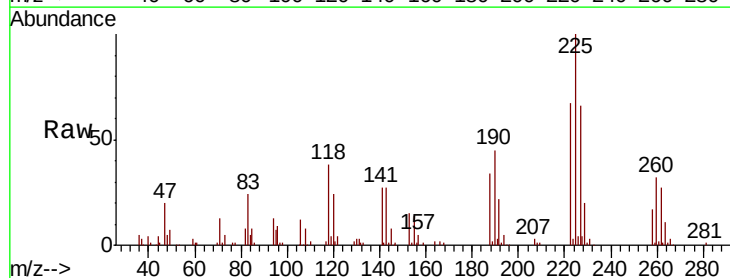


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

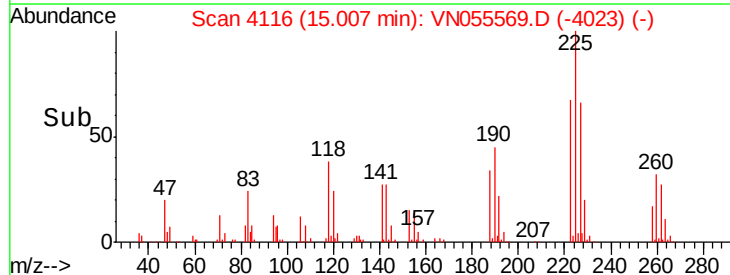
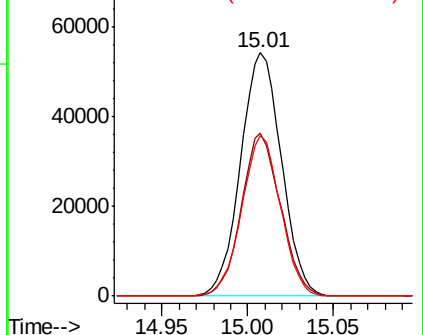


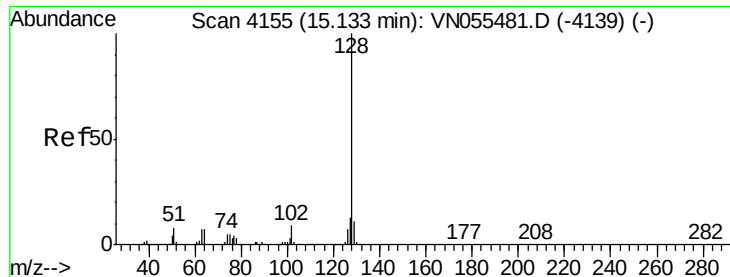
#94
 Hexachlorobutadiene
 Concen: 21.960 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055569.D
 Acq: 13 May 2019 10:51

Tgt Ion:225 Resp: 89640
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.3
 227 62.6 32.0 96.0



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: 15.216 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBS01

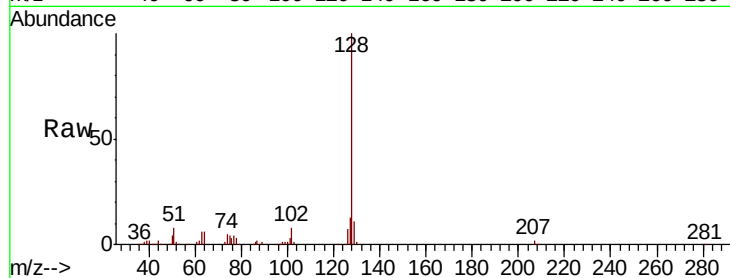
Tot Ion:128 Resp: 208066

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

129 10.7 8.8 13.2

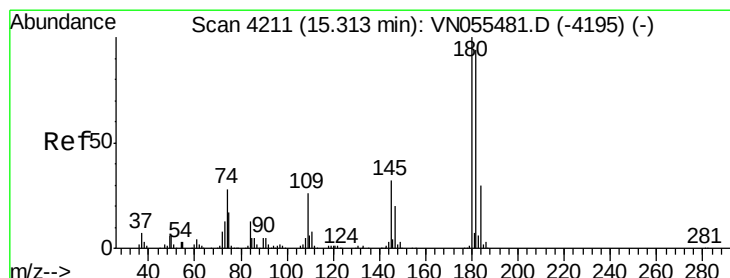
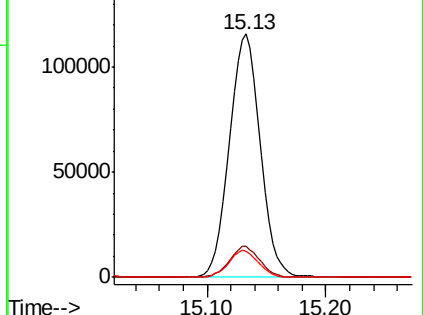
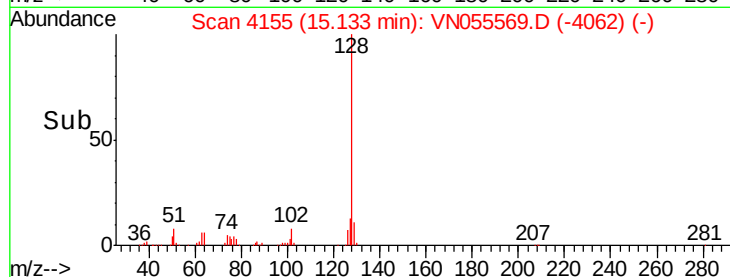


Abundance

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: 16.942 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055569.D

Acq: 13 May 2019 10:51

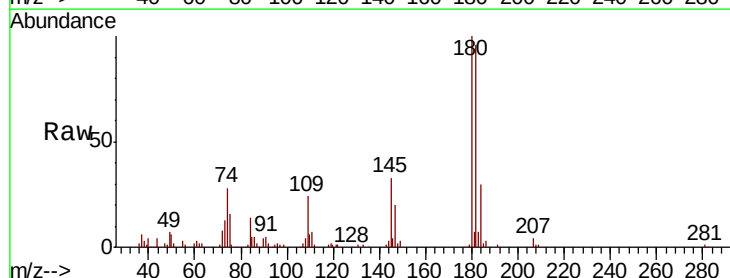
Tgt Ion:180 Resp: 93666

Ion Ratio Lower Upper

180 100

182 97.0 47.1 141.3

145 31.3 15.8 47.4



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

