

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055577.D
 Acq On : 13 May 2019 15:28
 Operator : JC/SP
 Sample : VN0513WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Quant Time: May 14 01:49:06 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	7.66	168	809111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1365585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1197170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	481390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	535836	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.59	113	434515	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1708274	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	578536	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143215	17.385	ug/l	99
3) Chloromethane	2.06	50	217228	16.232	ug/l	98
4) Vinyl Chloride	2.19	62	224128	17.741	ug/l	100
5) Bromomethane	2.57	94	131815	19.044	ug/l	96
6) Chloroethane	2.71	64	137936	18.745	ug/l	99
7) Trichlorofluoromethane	3.02	101	266789	19.250	ug/l	99
8) Diethyl Ether	3.41	74	123706	19.875	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	173984	19.732	ug/l	98
10) Methyl Iodide	3.95	142	196280	16.470	ug/l	97
11) Tert butyl alcohol	4.79	59	120195	66.821	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	175121	19.803	ug/l	95
13) Acrolein	3.60	56	86275	71.967	ug/l	98
14) Allyl chloride	4.32	41	324993	17.941	ug/l	98
15) Acrylonitrile	4.99	53	449729	80.744	ug/l	100
16) Acetone	3.82	43	370381	65.660	ug/l	94
17) Carbon Disulfide	4.05	76	437059	18.109	ug/l	99
18) Methyl Acetate	4.32	43	190192	15.299	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	564173	19.200	ug/l	98
20) Methylene Chloride	4.55	84	207156	17.959	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	188185	19.628	ug/l	92
22) Diisopropyl ether	5.95	45	703073	19.099	ug/l	95
23) Vinyl Acetate	5.89	43	2510761	88.195	ug/l	99
24) 1,1-Dichloroethane	5.84	63	375194	18.881	ug/l	99
25) 2-Butanone	6.84	43	567725	72.858	ug/l	95
26) 2,2-Dichloropropane	6.82	77	232454	18.765	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	221497	19.990	ug/l	98
28) Bromochloromethane	7.19	49	187232	18.143	ug/l	94
29) Tetrahydrofuran	7.21	42	389152	75.545	ug/l	97
30) Chloroform	7.37	83	352631	19.196	ug/l	99
31) Cyclohexane	7.65	56	363070	18.466	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	271272	19.392	ug/l	99
36) 1,1-Dichloropropene	7.79	75	272571	20.260	ug/l	97
37) Ethyl Acetate	6.93	43	231301	15.761	ug/l	99
38) Carbon Tetrachloride	7.77	117	220612	19.474	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055577.D
 Acq On : 13 May 2019 15:28
 Operator : JC/SP
 Sample : VN0513WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Quant Time: May 14 01:49:06 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	318253	19.402	ug/l	99
40) Benzene	8.04	78	828102	19.833	ug/l	98
41) Methacrylonitrile	7.17	41	107458	15.776	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	269950	18.402	ug/l	99
43) Isopropyl Acetate	8.16	43	389420	17.466	ug/l	96
44) Trichloroethene	8.83	130	209139	21.051	ug/l	94
45) 1,2-Dichloropropane	9.12	63	235164	19.684	ug/l	100
46) Dibromomethane	9.21	93	134458	19.417	ug/l	97
47) Bromodichloromethane	9.40	83	259815	19.612	ug/l	97
48) Methyl methacrylate	9.20	41	180064	16.762	ug/l	96
49) 1,4-Dioxane	9.20	88	59533	284.347	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1173028	79.997	ug/l	98
52) Toluene	10.15	92	494125	20.700	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	248743	19.550	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	308257	20.275	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	191353	19.785	ug/l	98
56) Ethyl methacrylate	10.43	69	265369	18.447	ug/l	99
57) 1,3-Dichloropropane	10.71	76	337154	19.636	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311619	73.639	ug/l	99
59) 2-Hexanone	10.75	43	776365	75.496	ug/l	99
60) Dibromochloromethane	10.90	129	174814	19.880	ug/l	98
61) 1,2-Dibromoethane	11.00	107	183816	19.781	ug/l	98
64) Tetrachloroethene	10.63	164	209449	21.351	ug/l	97
65) Chlorobenzene	11.43	112	513370	20.843	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	175449	20.692	ug/l	99
67) Ethyl Benzene	11.51	91	926132	20.021	ug/l	99
68) m/p-Xylenes	11.62	106	674262	40.616	ug/l	98
69) o-Xylene	11.94	106	328519	20.134	ug/l	99
70) Styrene	11.96	104	549911	21.036	ug/l	98
71) Bromoform	12.12	173	109294	19.101	ug/l	99
73) Isopropylbenzene	12.25	105	875846	20.592	ug/l	99
74) N-amyl acetate	12.07	43	277613	15.190	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	249144	17.726	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	292747	22.338	ug/l #	100
77) Bromobenzene	12.53	156	207732	19.581	ug/l	90
78) n-propylbenzene	12.59	91	995144	19.274	ug/l	100
79) 2-Chlorotoluene	12.67	91	593370	18.440	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	717393	18.634	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	57371	16.153	ug/l	98
82) 4-Chlorotoluene	12.77	91	587804	19.333	ug/l	98
83) tert-Butylbenzene	12.99	119	603610	18.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	685168	19.405	ug/l	99
85) sec-Butylbenzene	13.17	105	805209	18.360	ug/l	100
86) p-Isopropyltoluene	13.29	119	690793	19.354	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	335870	20.489	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	326291	20.169	ug/l	99
89) n-Butylbenzene	13.61	91	533153	19.271	ug/l	98
90) Hexachloroethane	13.87	117	100851	17.321	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	329038	20.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34693	15.672	ug/l	95

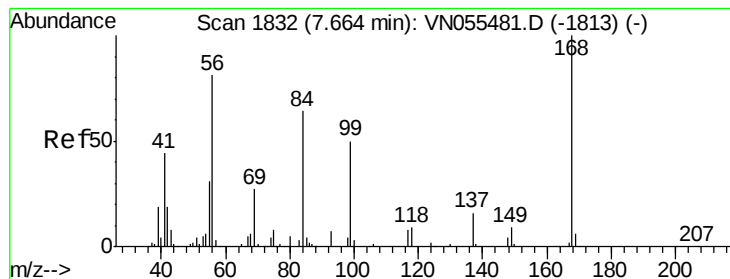
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
Data File : VN055577.D
Acq On : 13 May 2019 15:28
Operator : JC/SP
Sample : VN0513WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

Quant Time: May 14 01:49:06 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	131531	20.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	102734	19.781	ug/l	100
95) Naphthalene	15.13	128	346730	19.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	143630	20.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

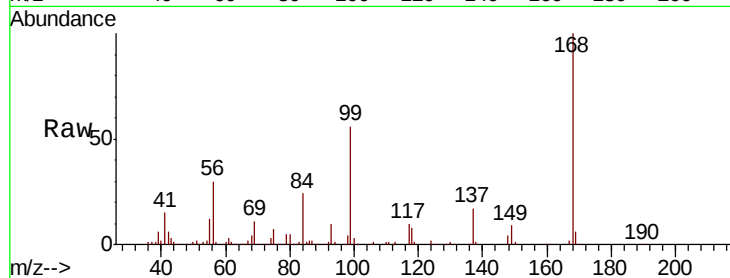
VN0513WBSD01

Tot Ion:168 Resp: 809111

Ion Ratio Lower Upper

168 100

99 54.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

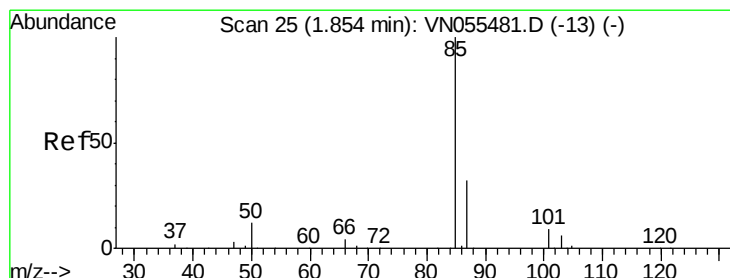
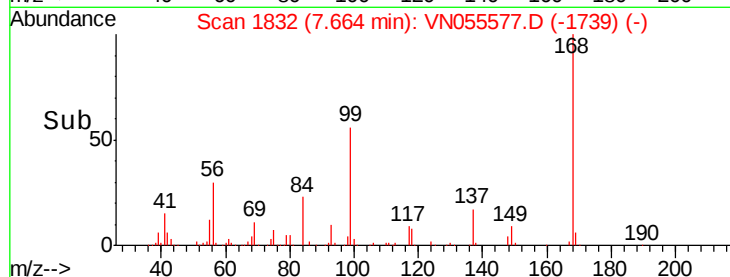
200000

100000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.385 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055577.D

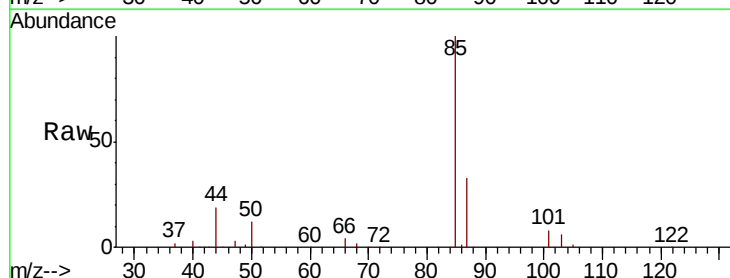
Acq: 13 May 2019 15:28

Tgt Ion: 85 Resp: 143215

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

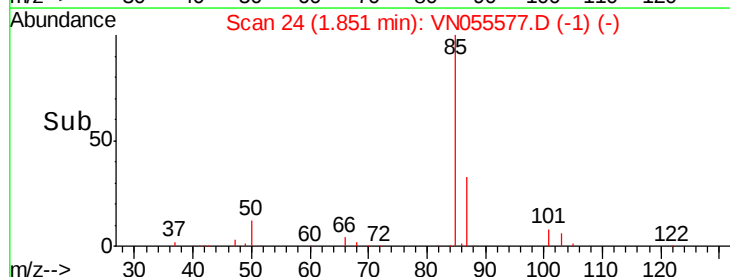
40000

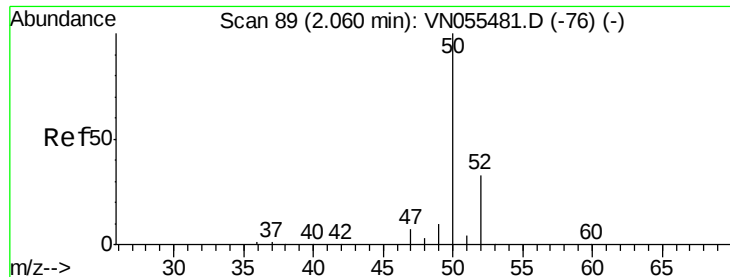
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 16.232 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

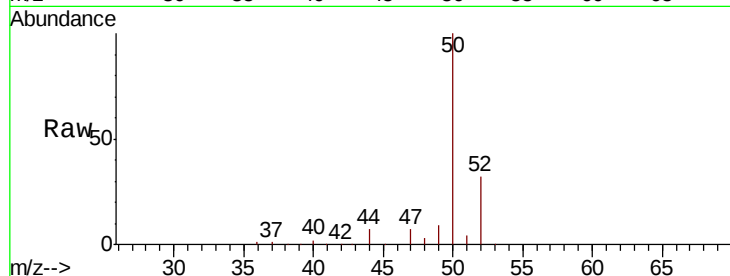
VN0513WBSD01

Tot Ion: 50 Resp: 217228

Ion Ratio Lower Upper

50 100

52 32.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN055577.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055577.D (-1) (-)

2.06

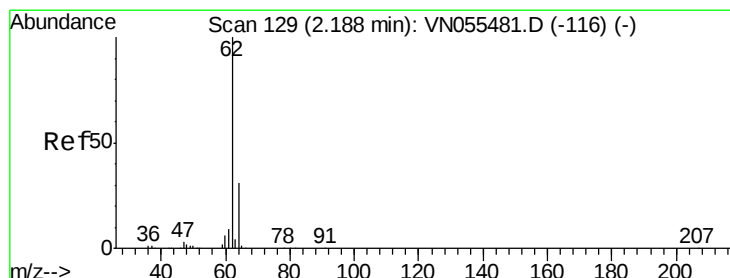
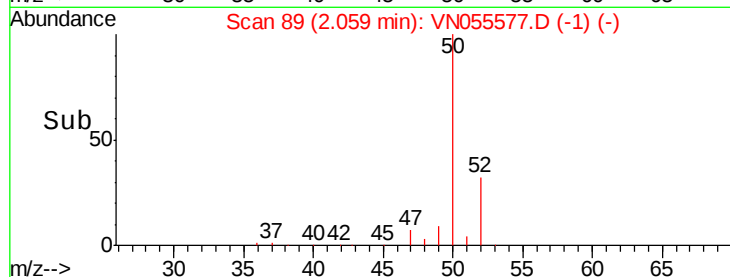
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.741 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055577.D

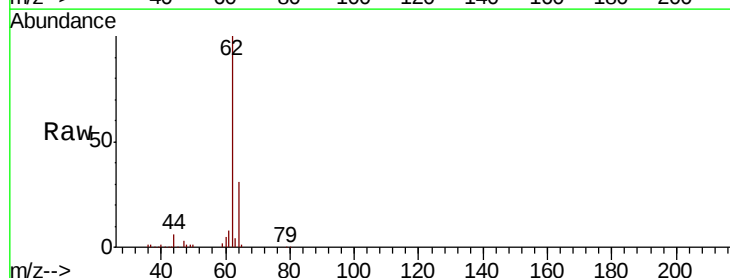
Acq: 13 May 2019 15:28

Tgt Ion: 62 Resp: 224128

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN055577.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055577.D (-36) (-)

2.19

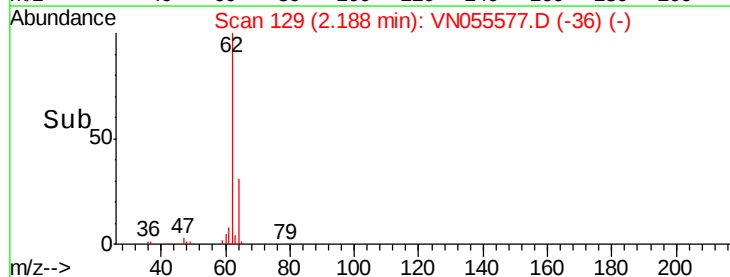
150000

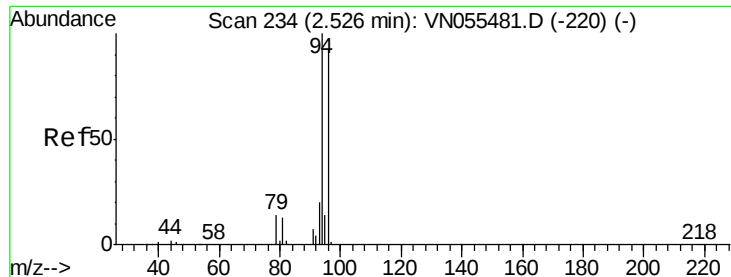
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.044 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.04 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

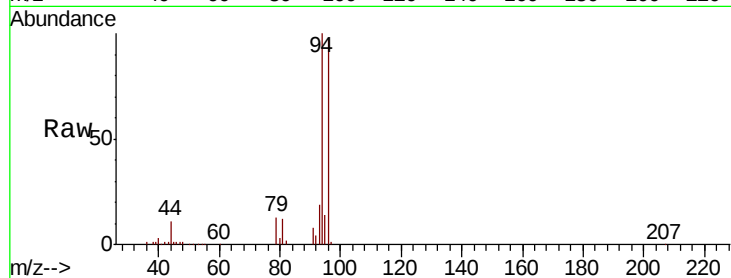
VN0513WBSD01

Tot Ion: 94 Resp: 131815

Ion Ratio Lower Upper

94 100

96 96.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

80000

60000

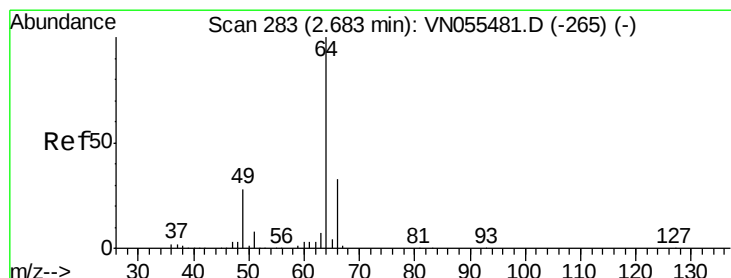
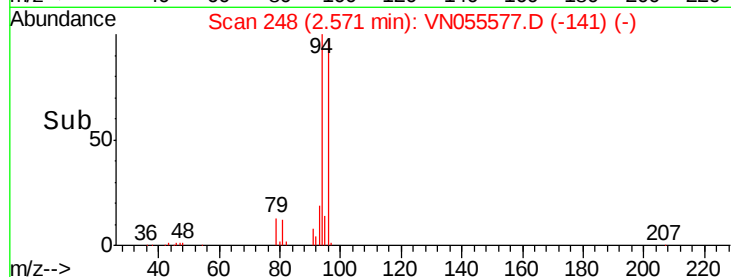
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.745 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.03 min

Lab File: VN055577.D

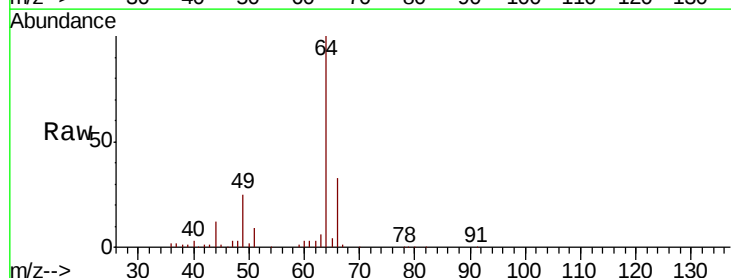
Acq: 13 May 2019 15:28

Tgt Ion: 64 Resp: 137936

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

60000

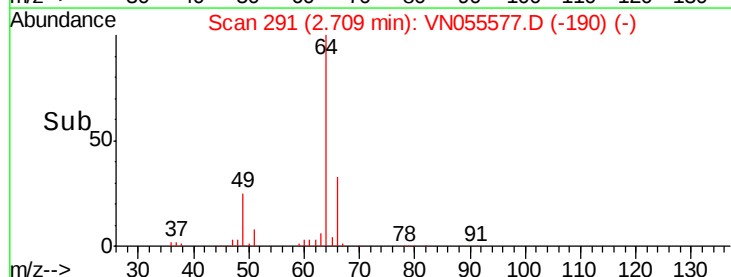
40000

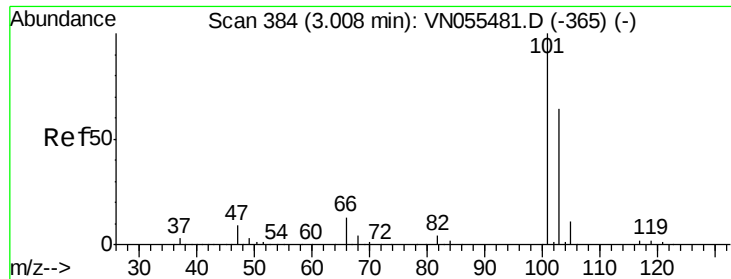
20000

0

Time-->

2.60 2.70 2.80



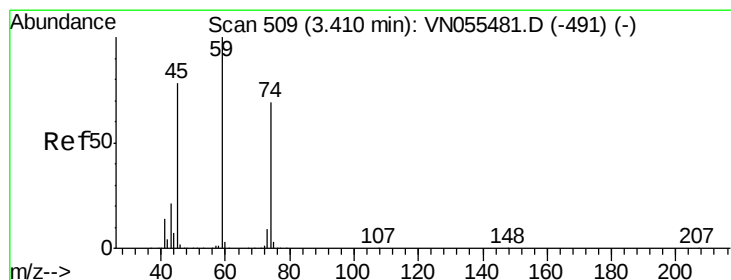
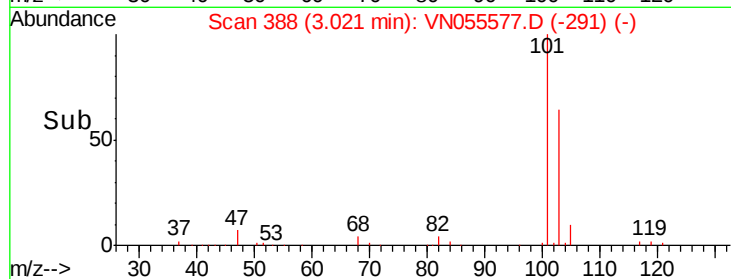
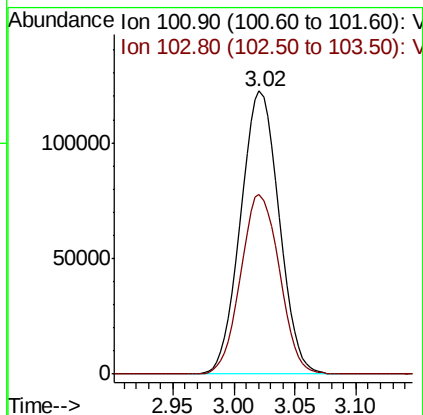
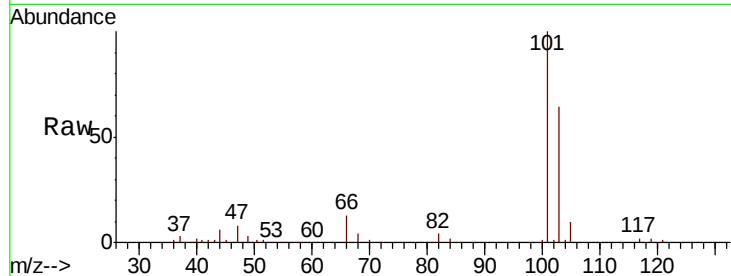


#7

Trichlorofluoromethane
Concen: 19.250 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

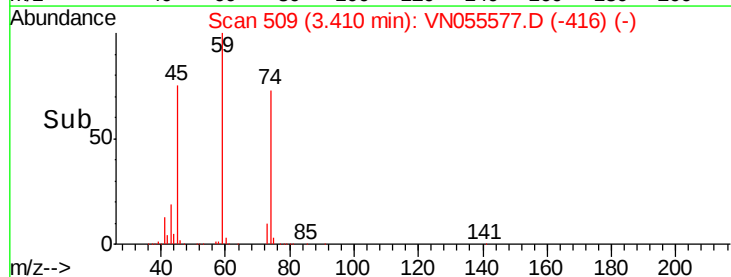
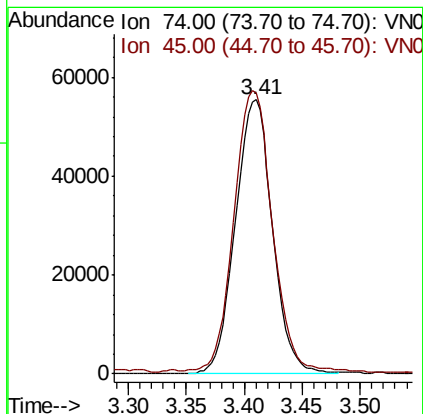
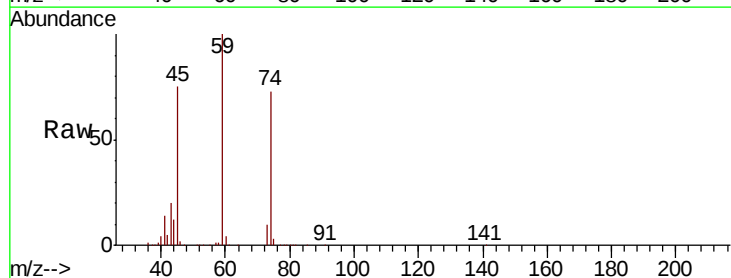
Tot Ion:101 Resp: 266789
Ion Ratio Lower Upper
101 100
103 63.5 51.2 76.8

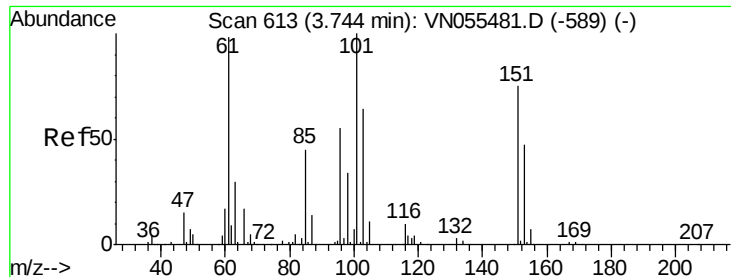


#8

Diethyl Ether
Concen: 19.875 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 74 Resp: 123706
Ion Ratio Lower Upper
74 100
45 106.0 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.732 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

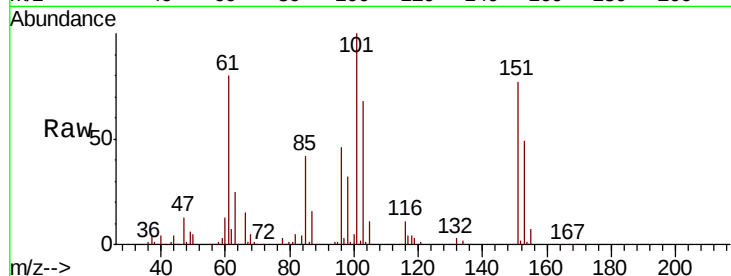
Tot Ion:101 Resp: 173984

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

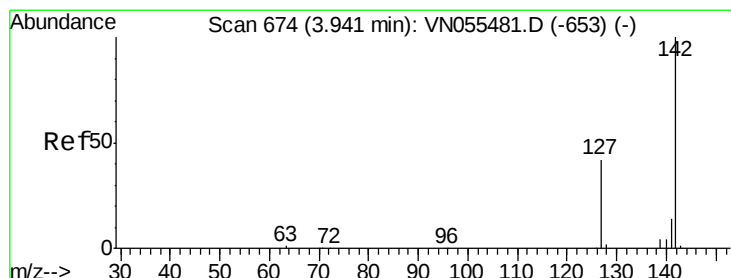
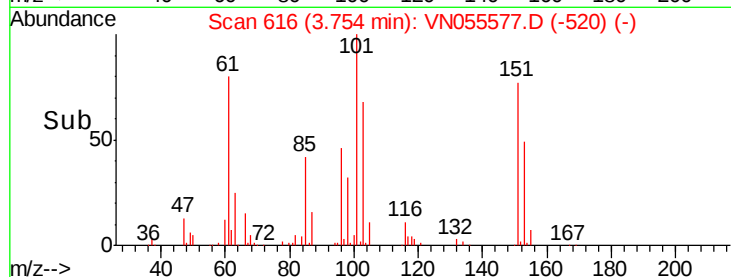
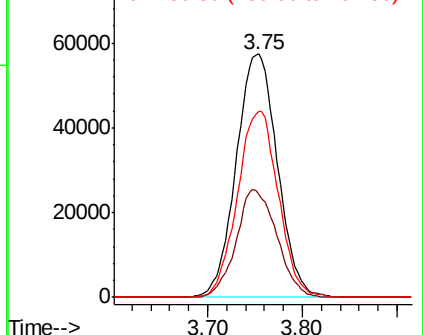
151 75.7 59.2 88.8



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: 16.470 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

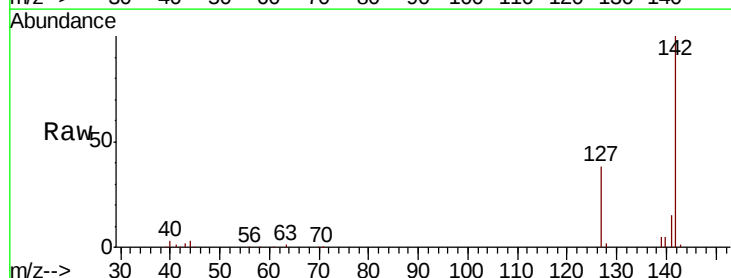
Tgt Ion:142 Resp: 196280

Ion Ratio Lower Upper

142 100

127 38.9 33.0 49.4

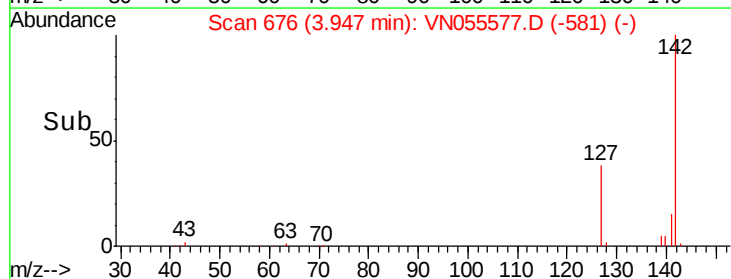
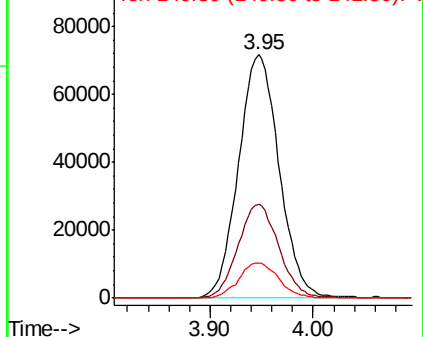
141 14.2 11.4 17.0

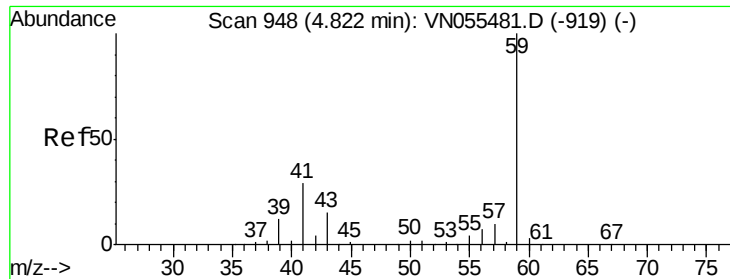


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

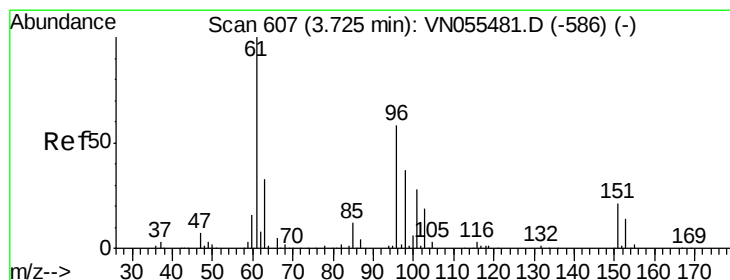
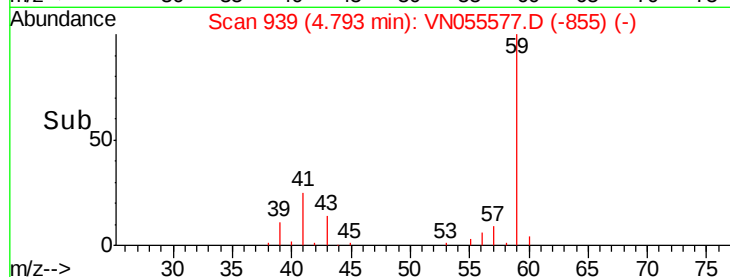
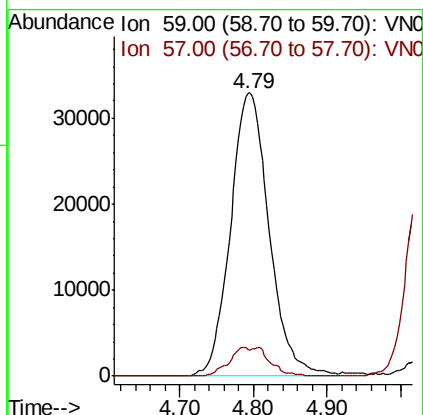
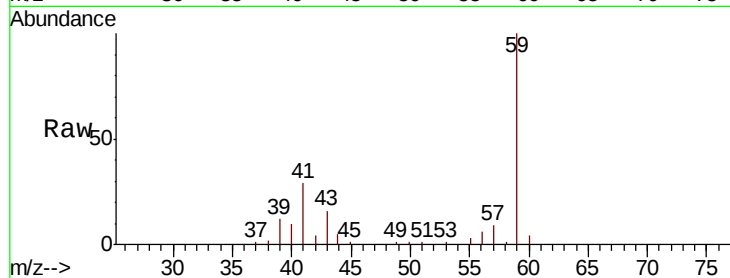




#11
Tert butyl alcohol
Concen: 66.821 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.03 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

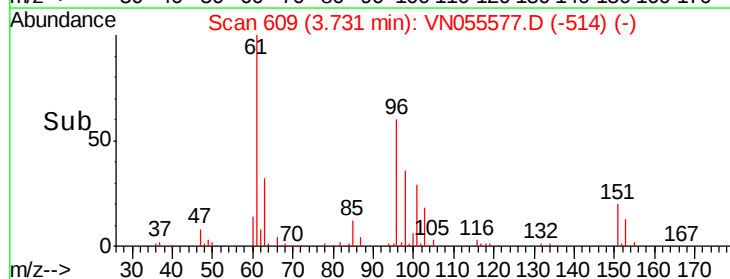
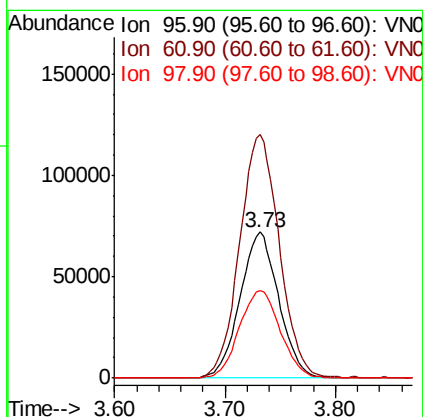
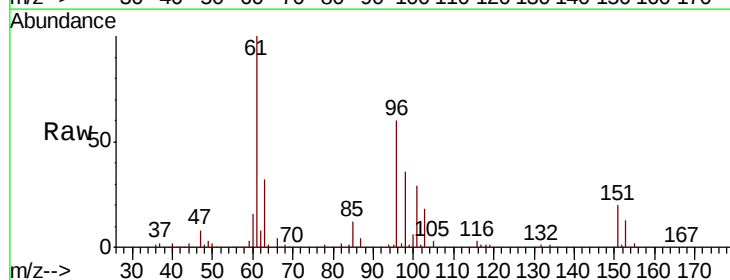
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

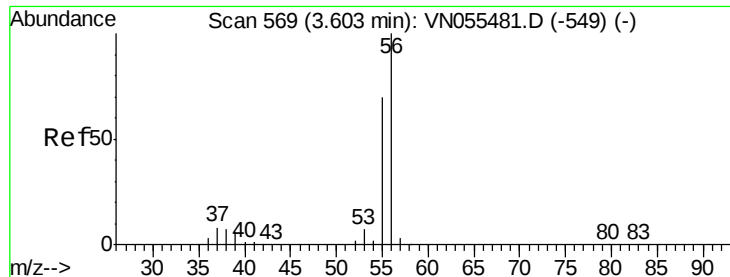
Tot Ion: 59 Resp: 120195
Ion Ratio Lower Upper
59 100
57 5.5 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 19.803 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 96 Resp: 175121
Ion Ratio Lower Upper
96 100
61 166.5 138.7 208.1
98 59.9 50.6 76.0





#13

Acrolein

Concen: 71.967 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

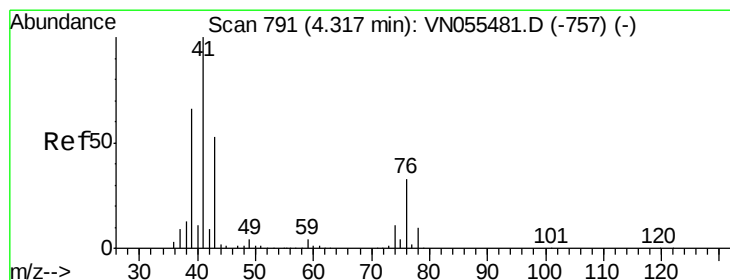
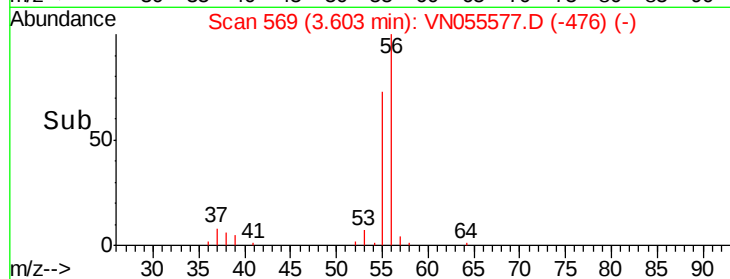
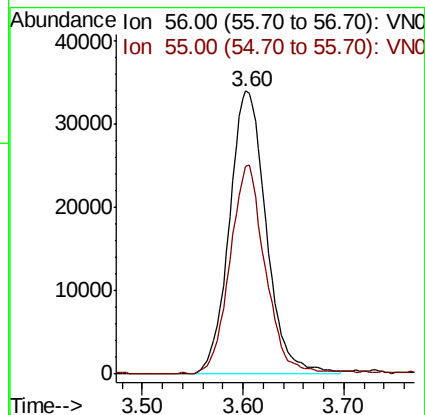
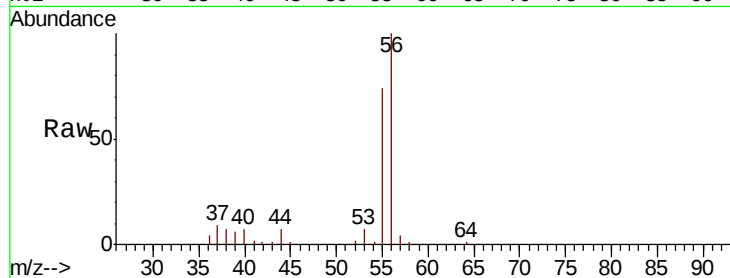
VN0513WBSD01

Tot Ion: 56 Resp: 86275

Ion Ratio Lower Upper

56 100

55 70.5 57.7 86.5



#14

Allyl chloride

Concen: 17.941 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

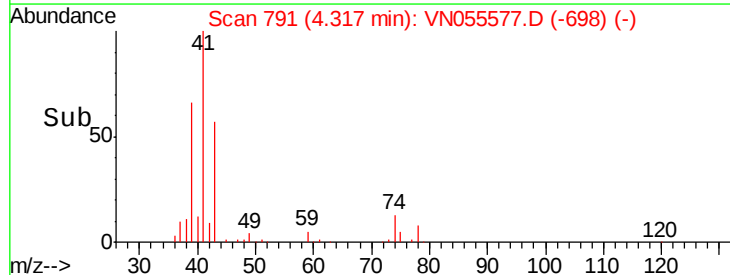
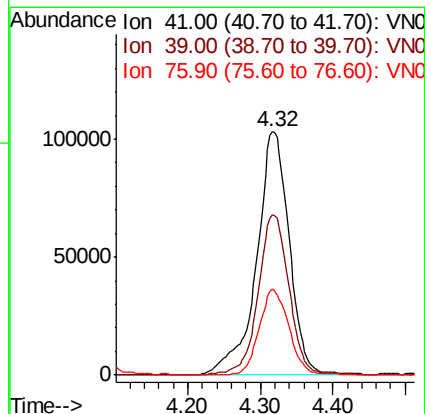
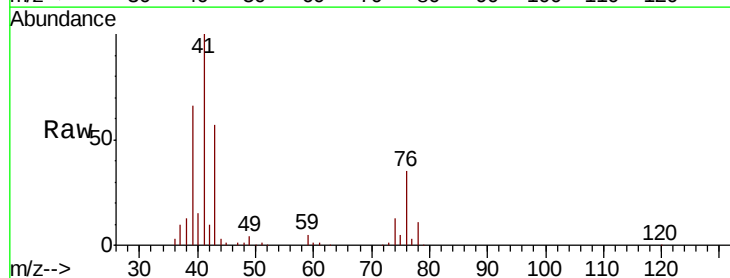
Tgt Ion: 41 Resp: 324993

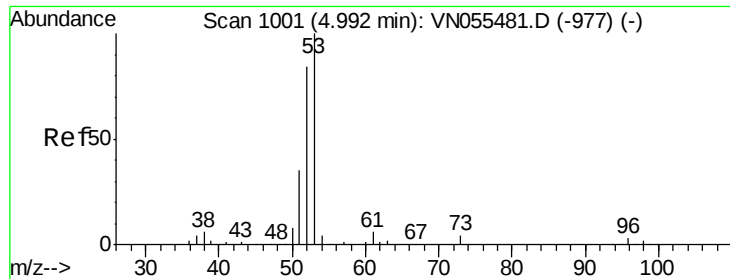
Ion Ratio Lower Upper

41 100

39 61.9 49.8 74.8

76 31.8 23.5 35.3





#15

Acrylonitrile

Concen: 80.744 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

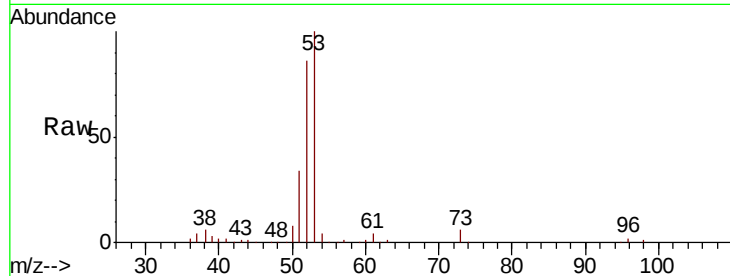
MSVOA_N

ClientSampleId :

VN0513WBSD01

Tot Ion: 53 Resp: 449729

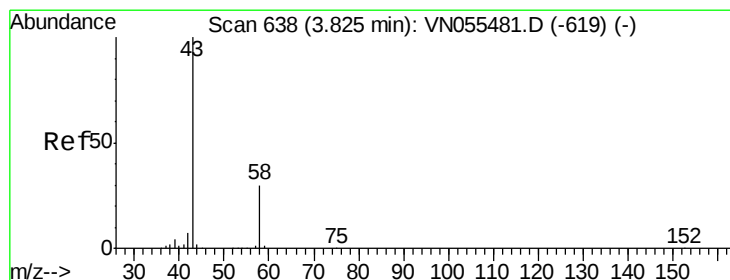
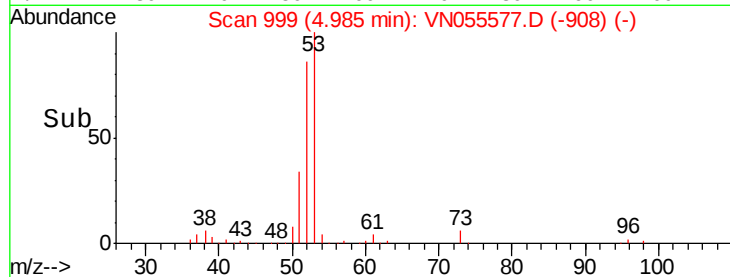
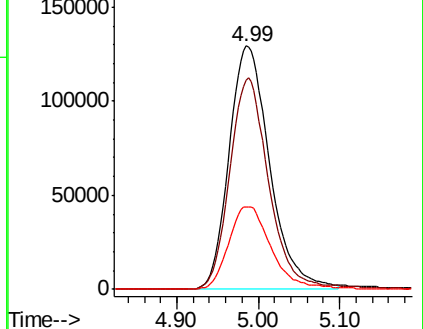
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.4	28.3	42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 65.660 ug/l

RT: 3.82 min Scan# 636

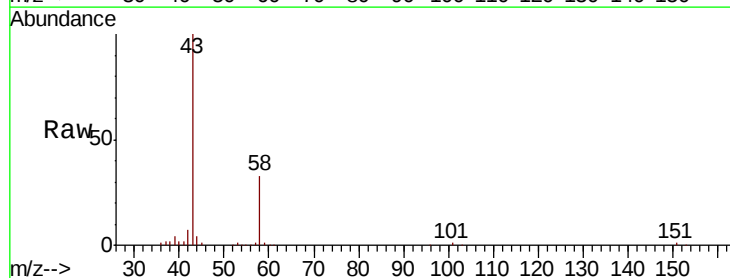
Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

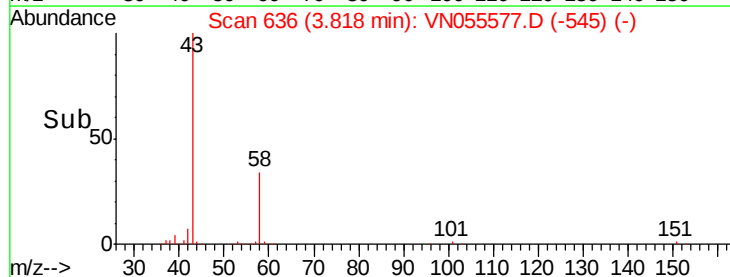
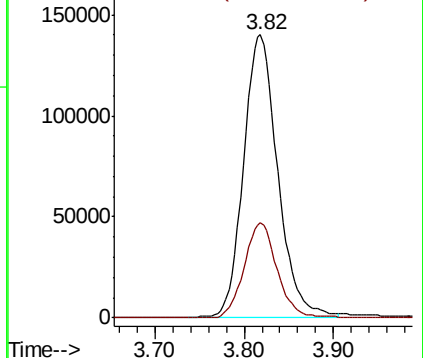
Tgt Ion: 43 Resp: 370381

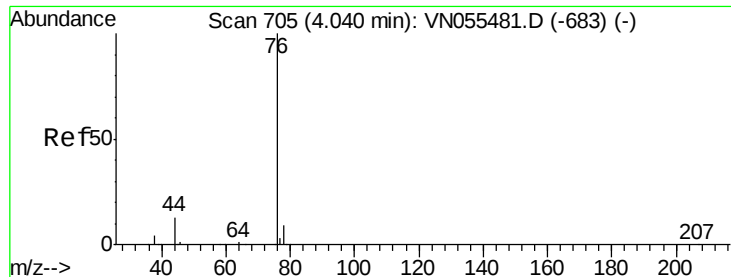
Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.2	36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

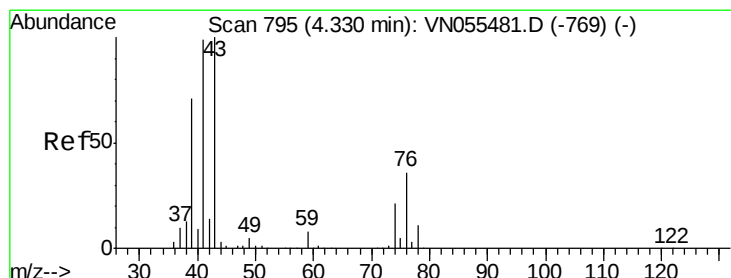
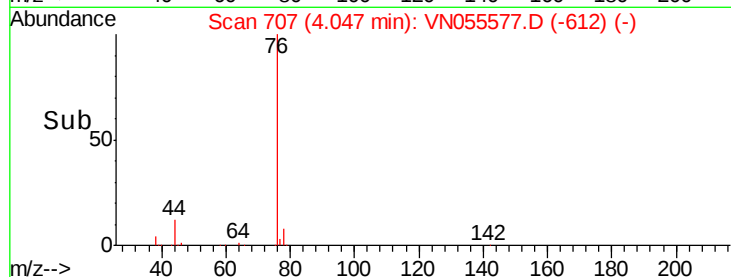
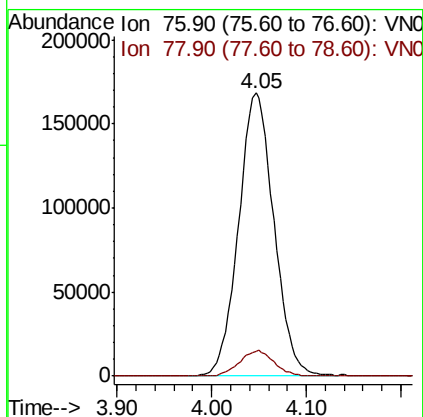
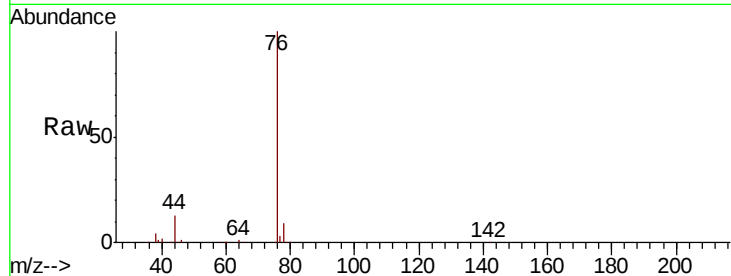




#17
Carbon Disulfide
Concen: 18.109 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

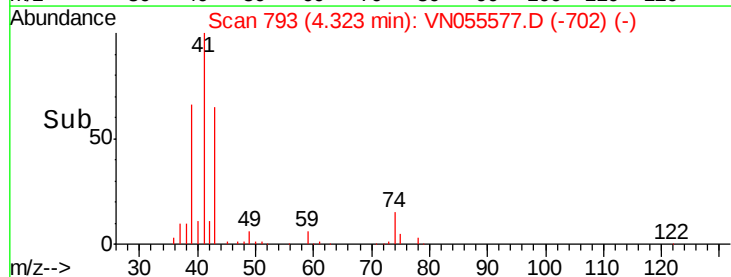
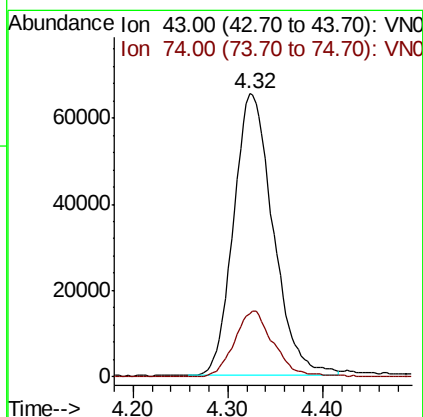
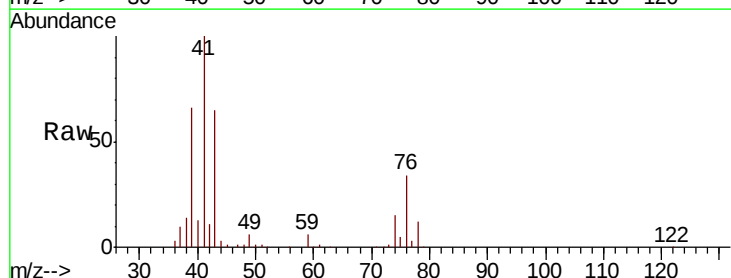
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

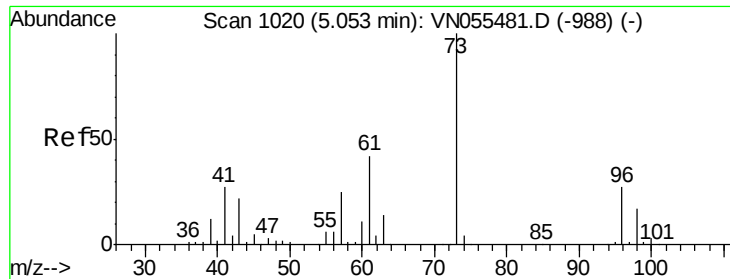
Tot Ion: 76 Resp: 437059
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 15.299 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 43 Resp: 190192
Ion Ratio Lower Upper
43 100
74 23.3 16.3 24.5

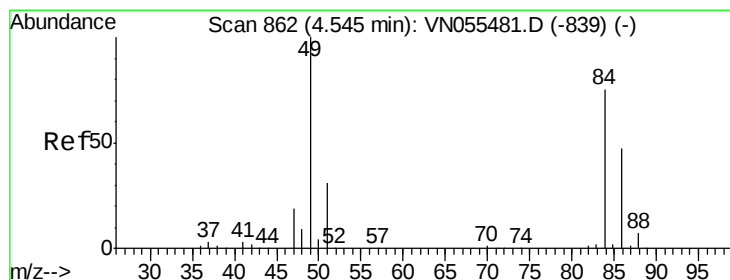
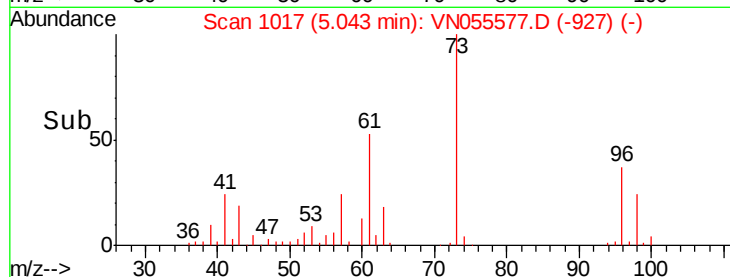
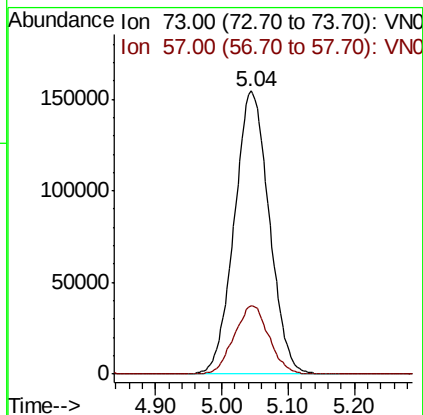
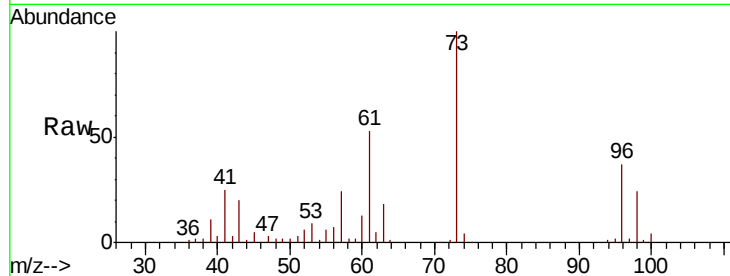




#19
Methvl tert-butvl Ether
Concen: 19.200 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

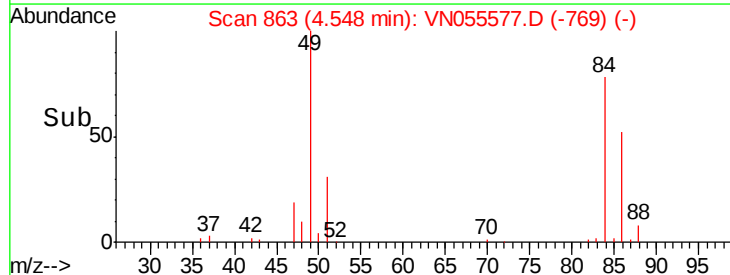
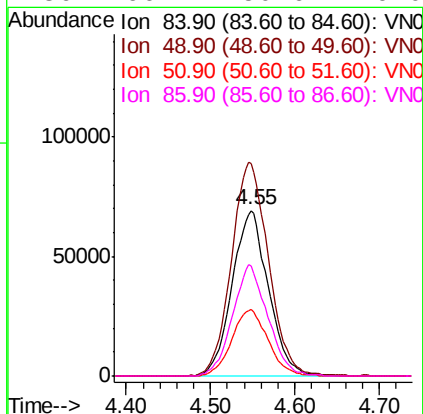
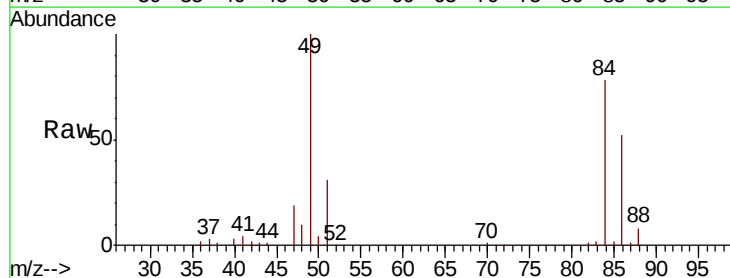
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

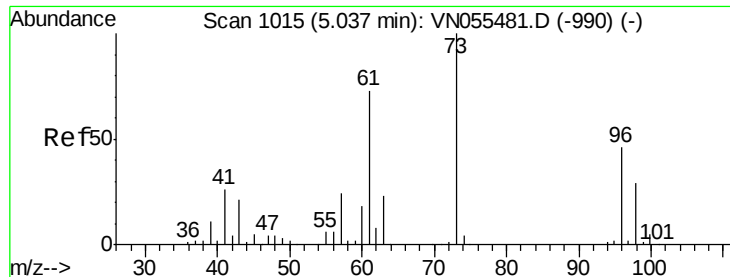
Tot Ion: 73 Resp: 564173
Ion Ratio Lower Upper
73 100
57 24.1 20.0 30.0



#20
Methylene Chloride
Concen: 17.959 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 84 Resp: 207156
Ion Ratio Lower Upper
84 100
49 128.4 107.0 160.6
51 40.0 33.0 49.4
86 66.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.628 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

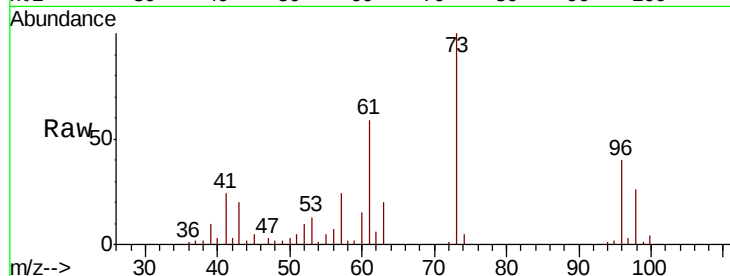
Tot Ion: 96 Resp: 188185

Ion Ratio Lower Upper

96 100

61 145.5 127.4 191.0

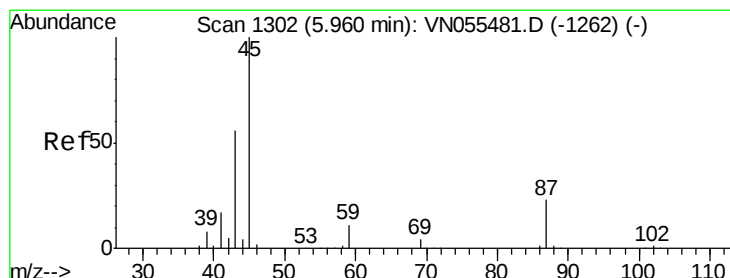
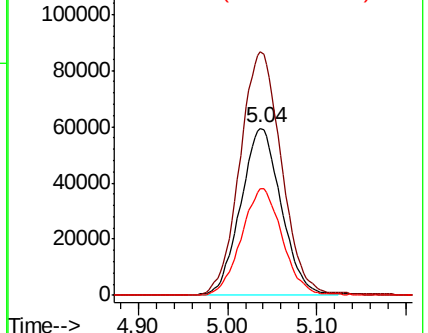
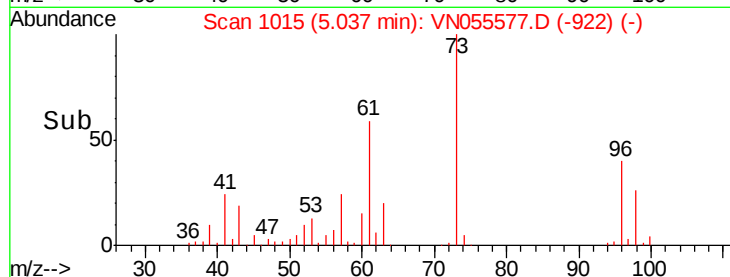
98 64.1 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055577.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VN055577.D (-922) (-)

Ion 97.90 (97.60 to 98.60): VN055577.D (-922) (-)



#22

Diisopropyl ether

Concen: 19.099 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Tgt Ion: 45 Resp: 703073

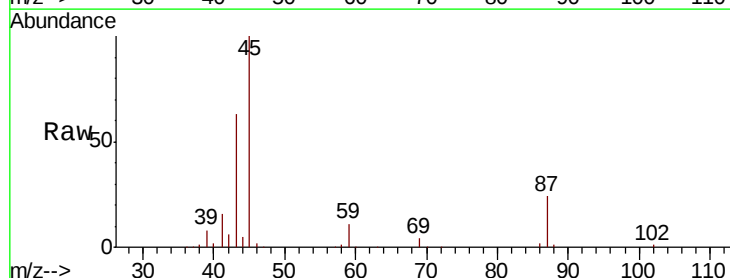
Ion Ratio Lower Upper

45 100

43 61.0 44.6 66.8

87 23.7 18.6 28.0

59 11.0 8.6 12.8

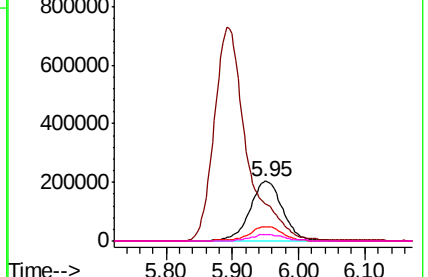
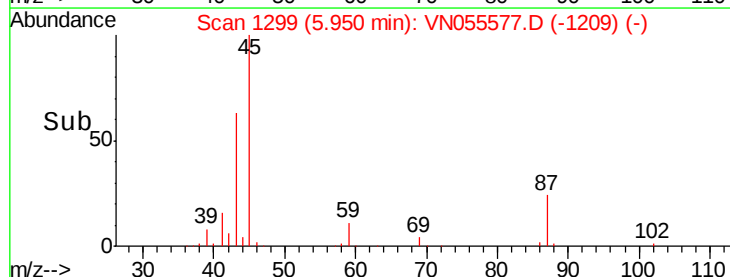


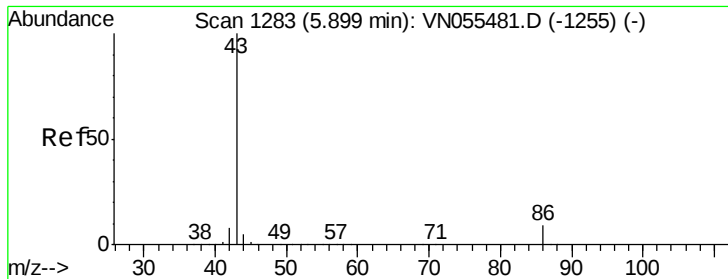
Abundance Ion 45.00 (44.70 to 45.70): VN055577.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055577.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055577.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055577.D (-1209) (-)





#23

Vinyl Acetate

Concen: 88.195 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleID :

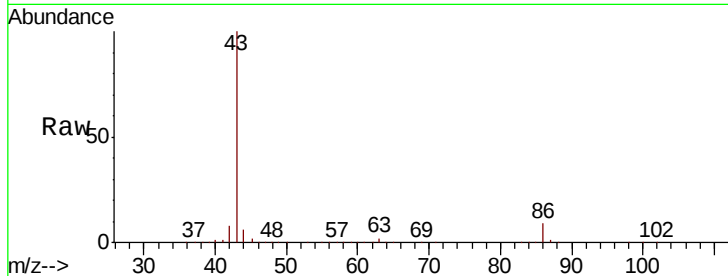
VN0513WBSD01

Tot Ion: 43 Resp: 2510761

Ion Ratio Lower Upper

43 100

86 9.4 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055481.D (-1255) (-)

5.89

800000

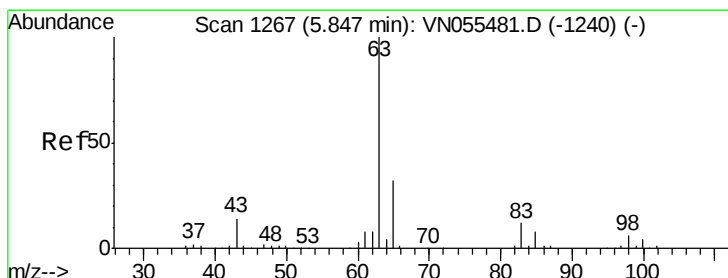
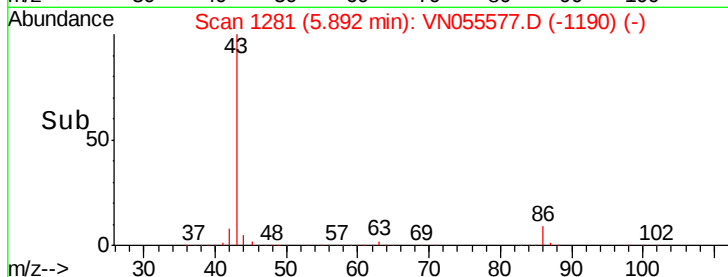
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.881 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

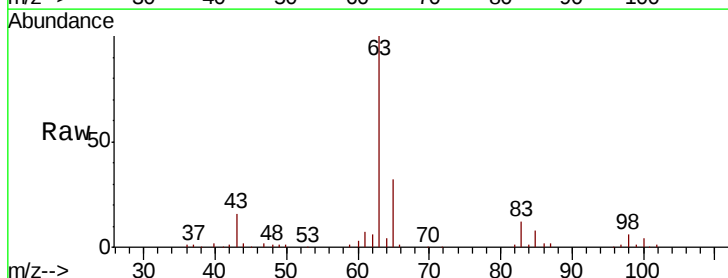
Tgt Ion: 63 Resp: 375194

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN055481.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN055481.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN055481.D (-1240) (-)

5.84

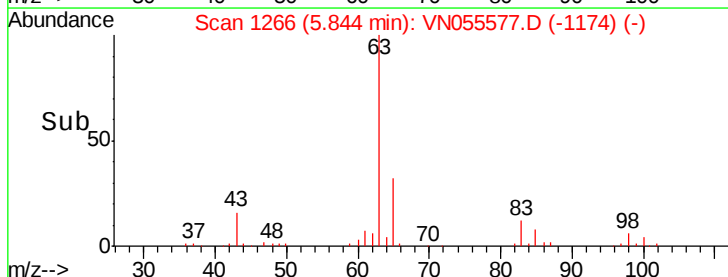
150000

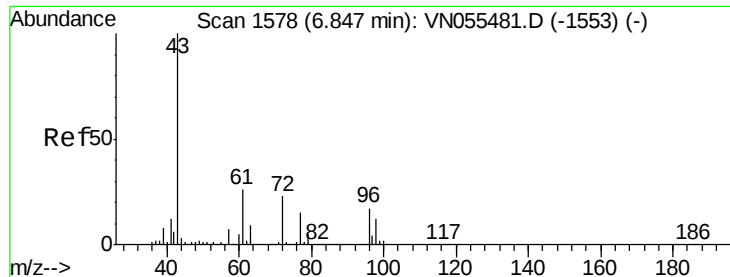
100000

50000

0

Time-->





#25

2-Butanone

Concen: 72.858 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

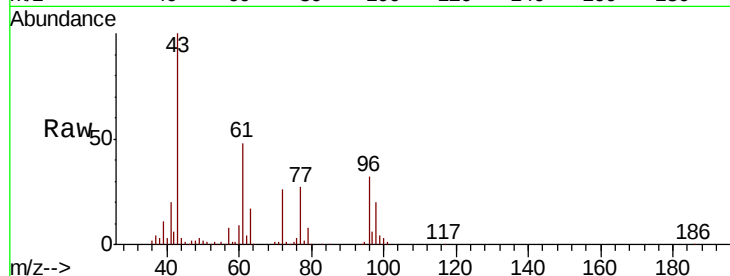
VN0513WBSD01

Tot Ion: 43 Resp: 567725

Ion Ratio Lower Upper

43 100

72 25.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

150000

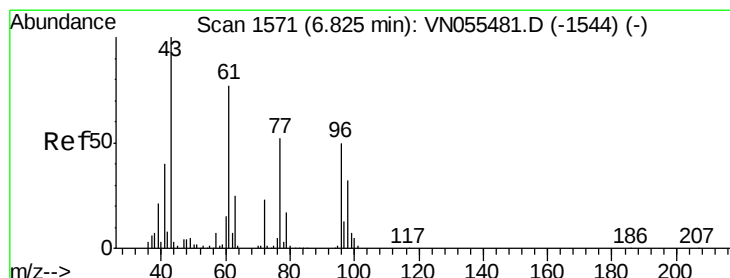
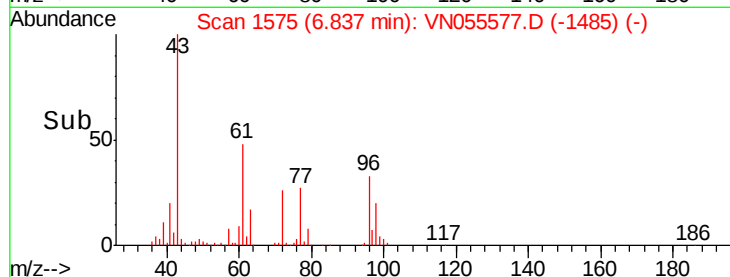
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.765 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055577.D

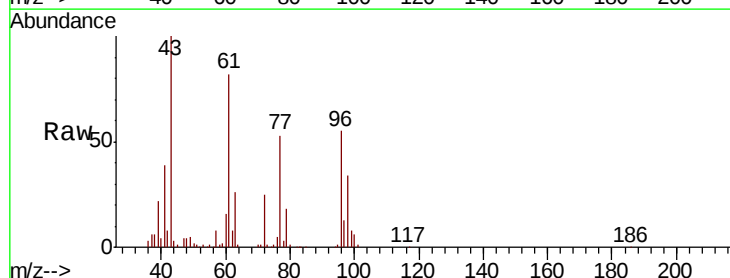
Acq: 13 May 2019 15:28

Tgt Ion: 77 Resp: 232454

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

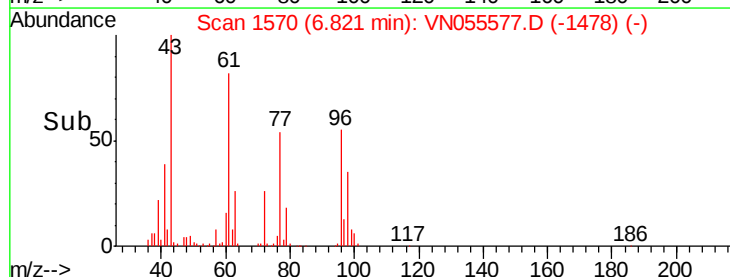
40000

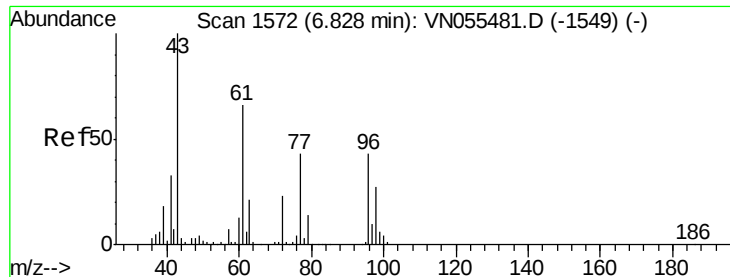
20000

0

6.70 6.80 6.90

Time-->

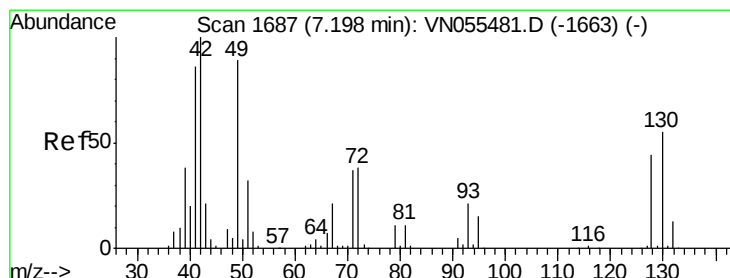
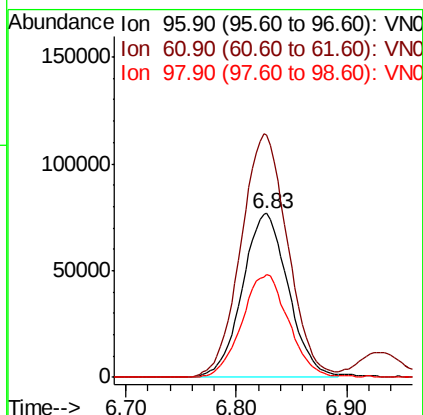
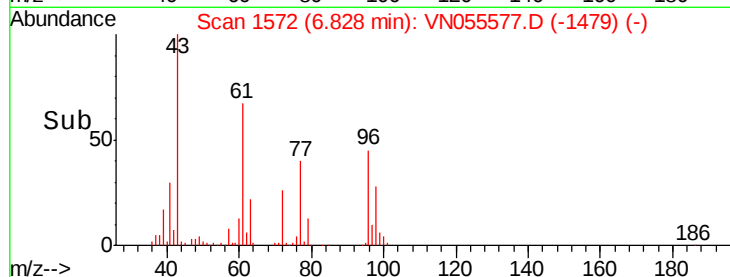
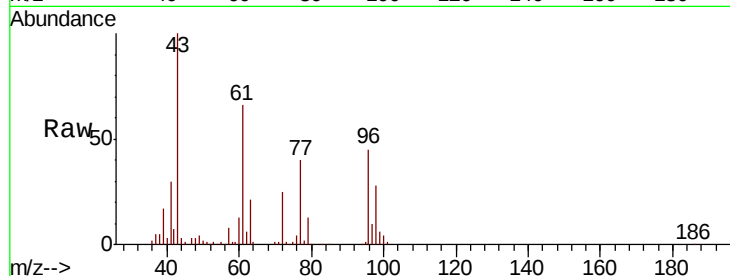




#27
 cis-1,2-Dichloroethene
 Concen: 19.990 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

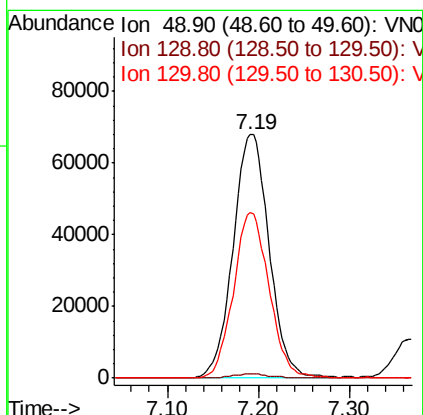
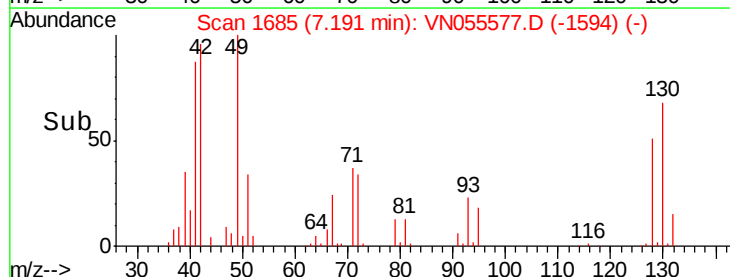
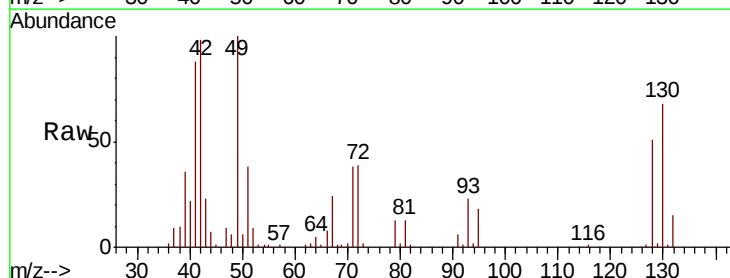
Instrument :
 MSVOA_N
 ClientSampled :
 VN0513WBSD01

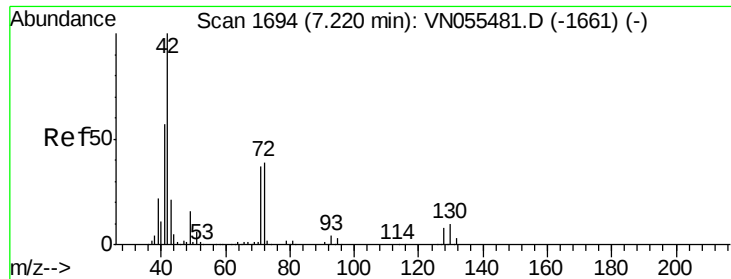
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	310.8
98	63.9	0.0	129.4



#28
 Bromochloromethane
 Concen: 18.143 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	66.8	49.5	74.3

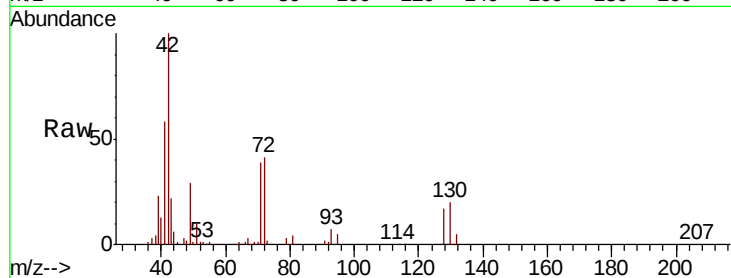




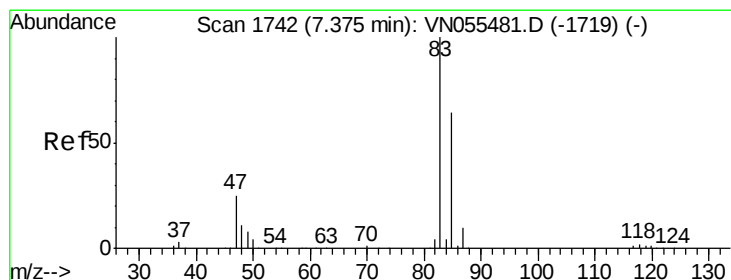
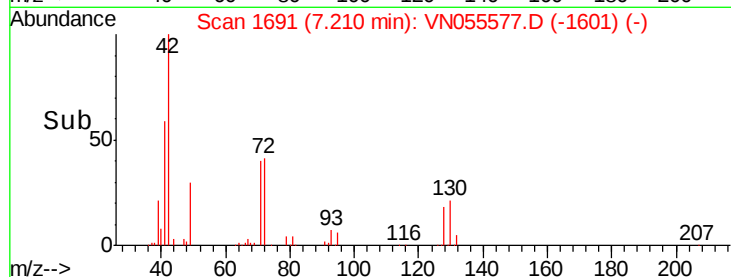
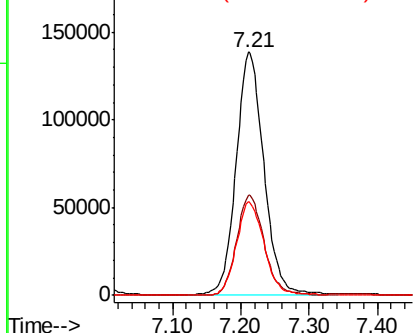
#29
Tetrahydrofuran
Concen: 75.545 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Instrument :
MSVOA_N
ClientSampled :
VN0513WBSD01

Tot Ion: 42 Resp: 389152
Ion Ratio Lower Upper
42 100
72 41.1 31.0 46.6
71 38.6 29.4 44.2

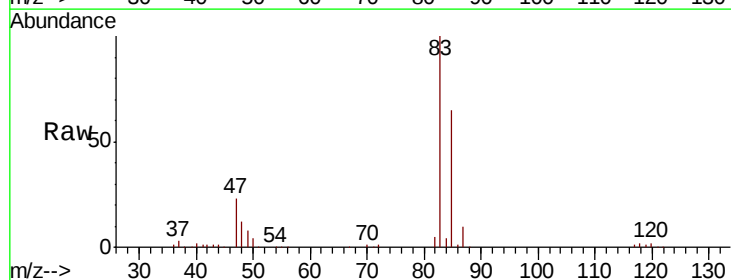


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

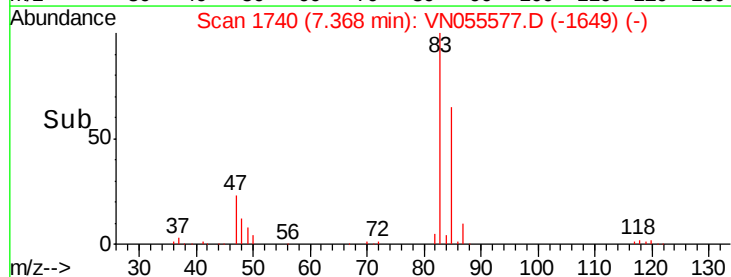
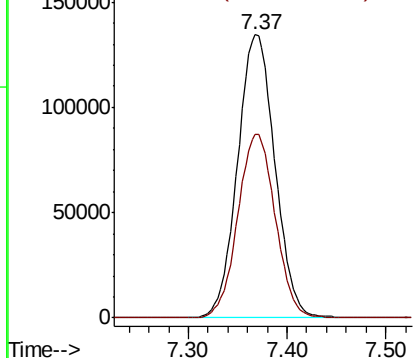


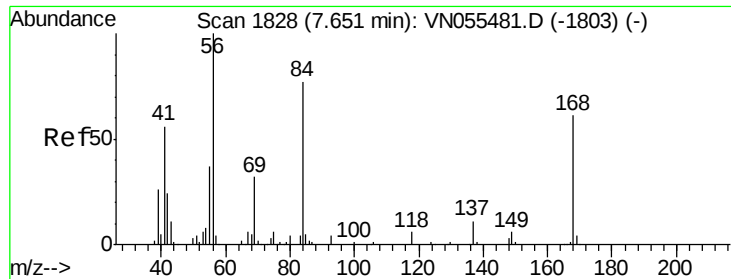
#30
Chloroform
Concen: 19.196 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 83 Resp: 352631
Ion Ratio Lower Upper
83 100
85 65.1 51.3 76.9



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

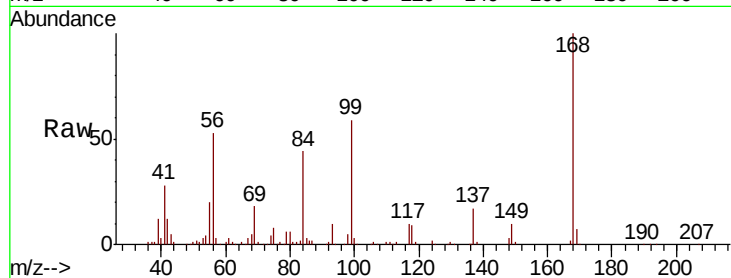




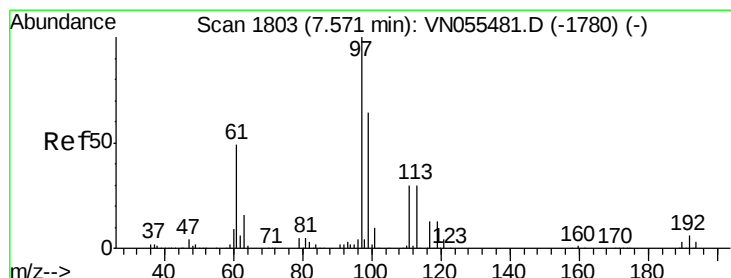
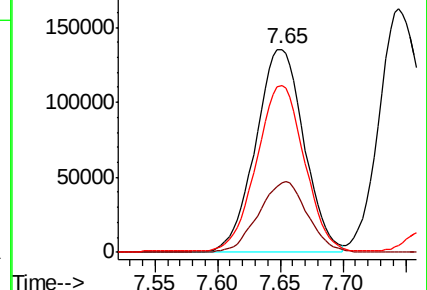
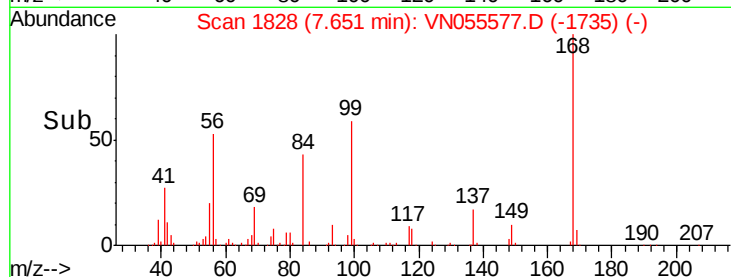
#31
Cyclohexane
Concen: 18.466 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

Tot Ion: 56 Resp: 363070
Ion Ratio Lower Upper
56 100
69 34.0 26.0 39.0
84 81.7 61.9 92.9

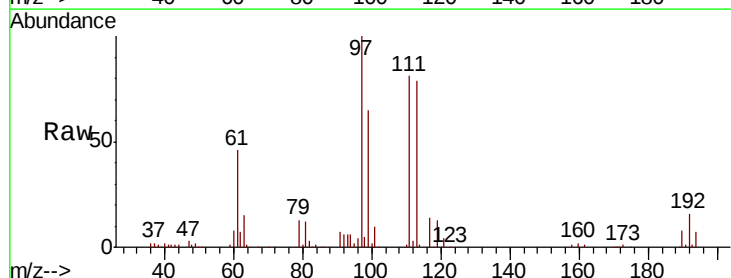


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

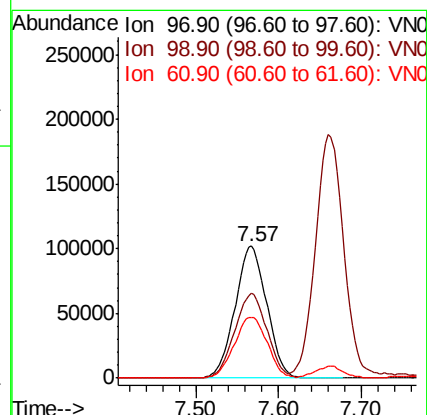
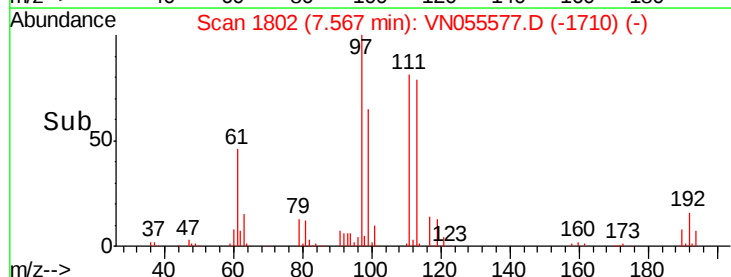


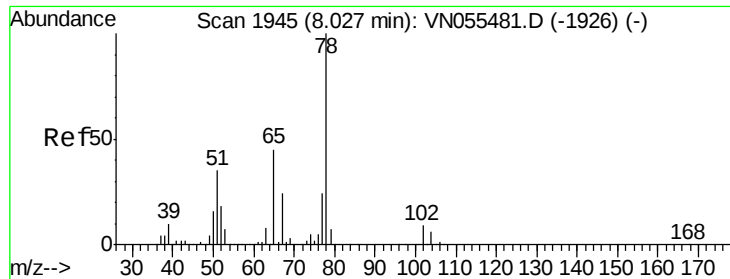
#32
1,1,1-Trichloroethane
Concen: 19.392 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 97 Resp: 271272
Ion Ratio Lower Upper
97 100
99 65.2 51.2 76.8
61 48.0 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: 43.984 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

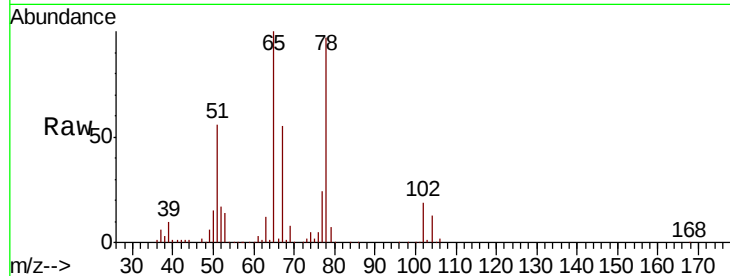
VN0513WBSD01

Tot Ion: 65 Resp: 535836

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN055481.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055481.D (-1926) (-)

8.02

250000

200000

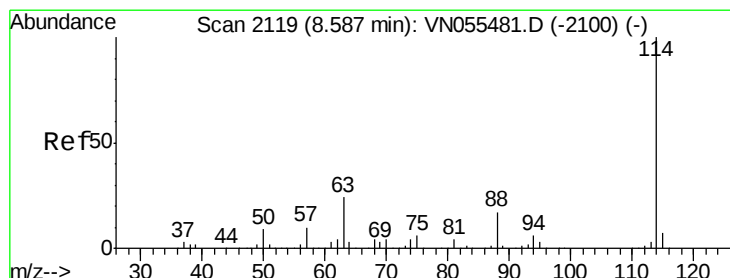
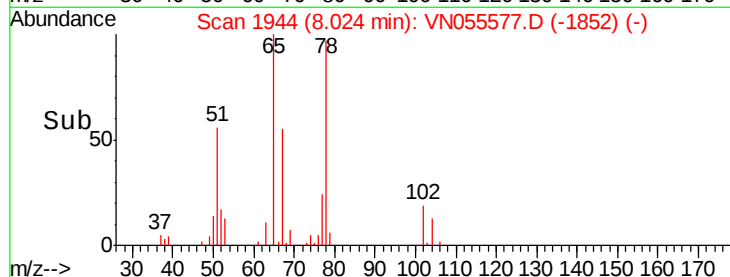
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

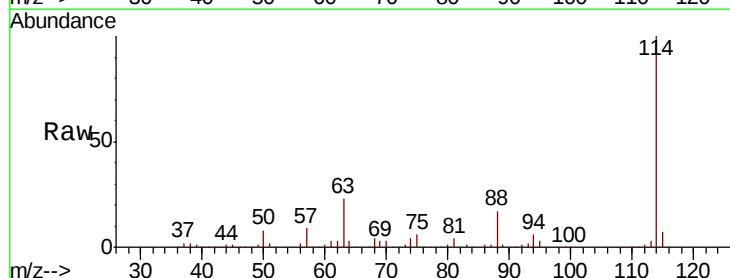
Tgt Ion: 114 Resp: 1365585

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

88 16.8 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055481.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055481.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055481.D (-2100) (-)

8.58

800000

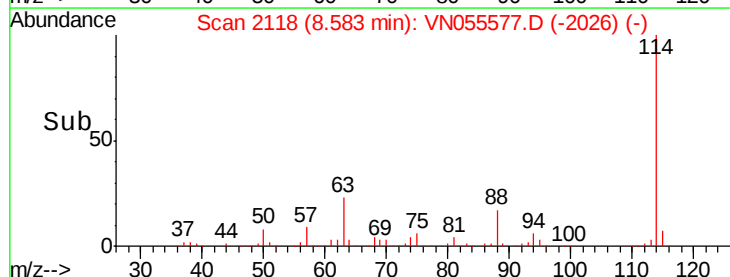
600000

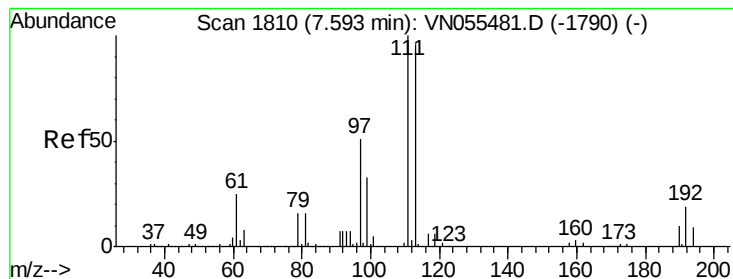
400000

200000

0

Time--> 8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 49.326 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

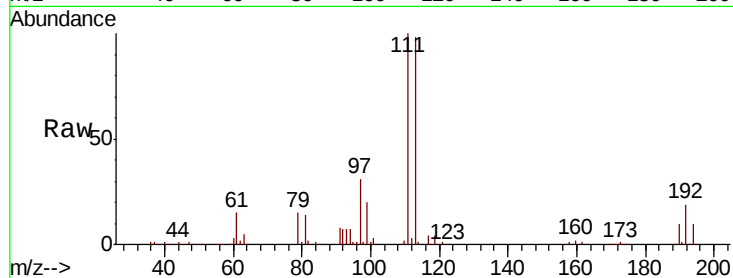
Tot Ion:113 Resp: 434515

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

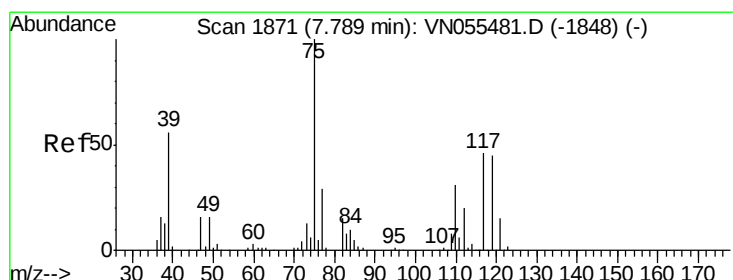
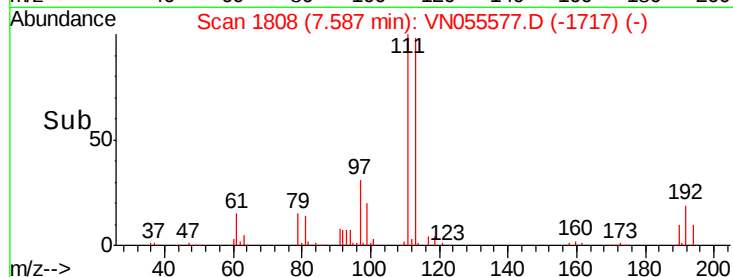
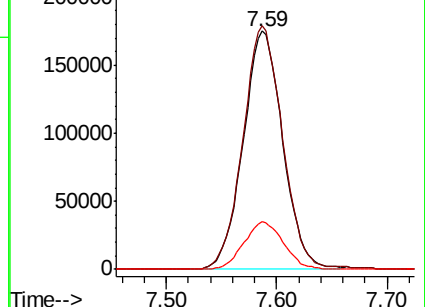
192 20.1 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.260 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

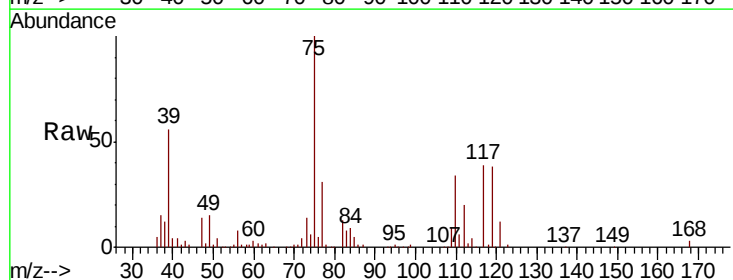
Tgt Ion: 75 Resp: 272571

Ion Ratio Lower Upper

75 100

110 34.5 16.1 48.3

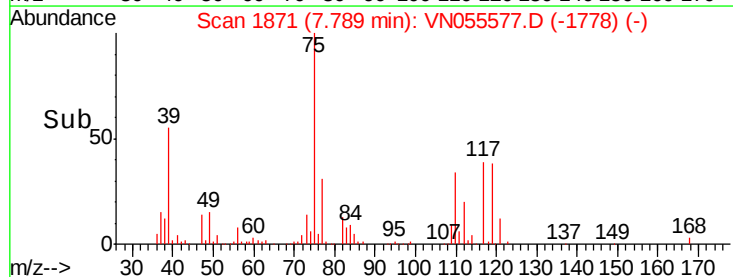
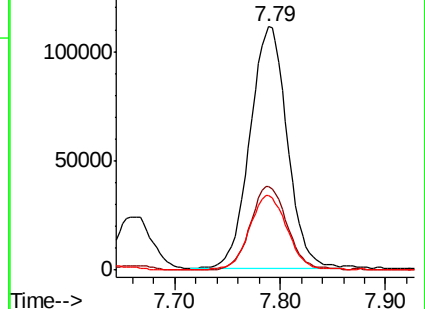
77 31.6 24.6 37.0

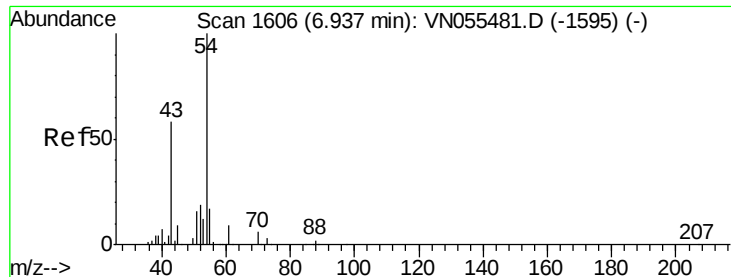


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

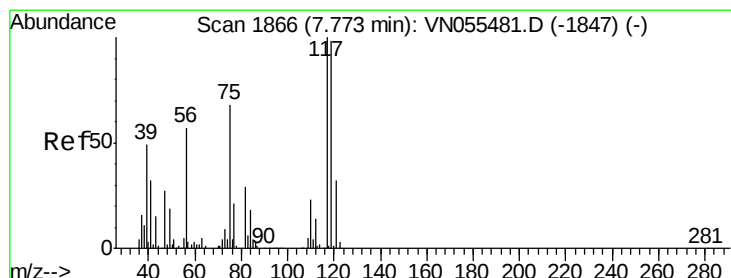
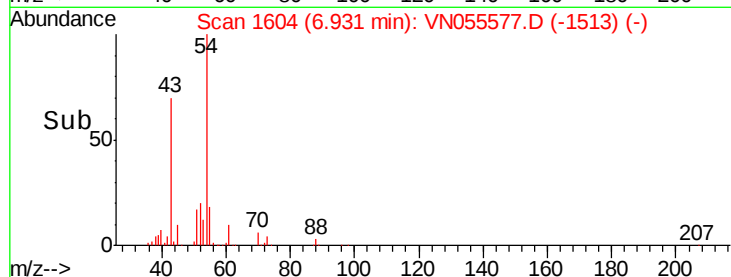
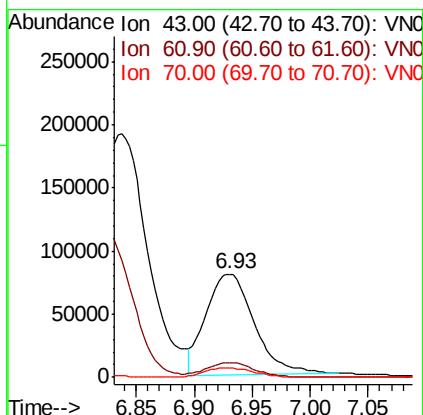
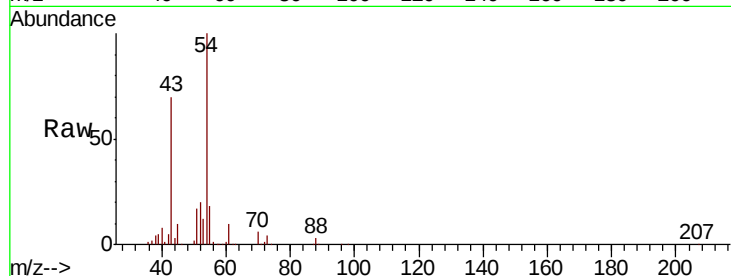




#37
Ethyl Acetate
Concen: 15.761 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

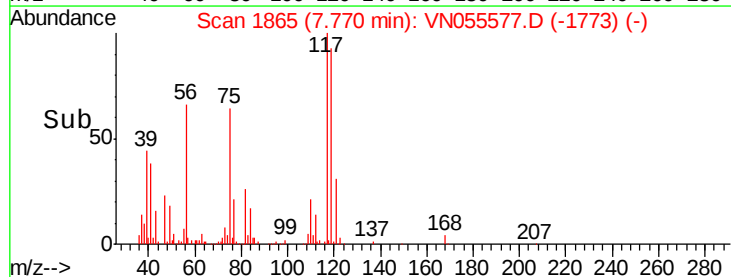
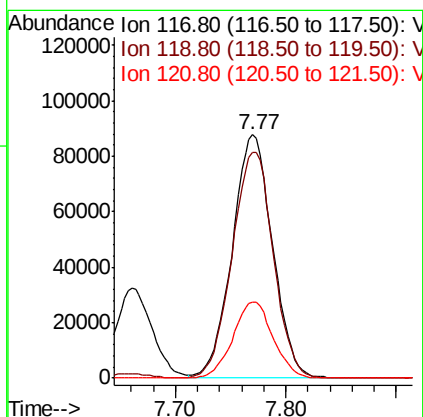
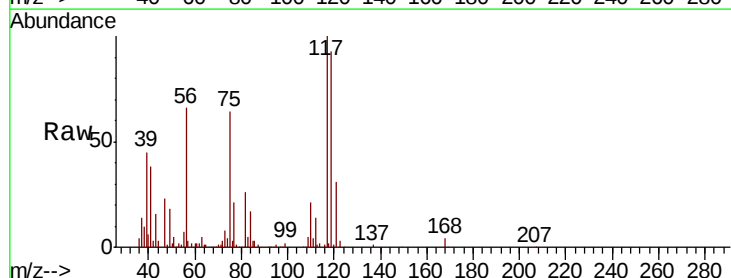
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

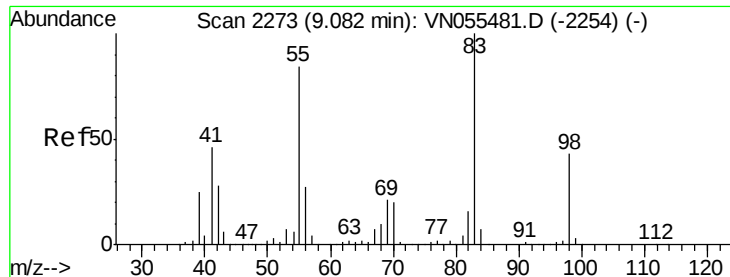
Tot Ion: 43 Resp: 231301
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 9.2 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.474 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 117 Resp: 220612
Ion Ratio Lower Upper
117 100
119 92.9 77.8 116.6
121 31.4 25.2 37.8

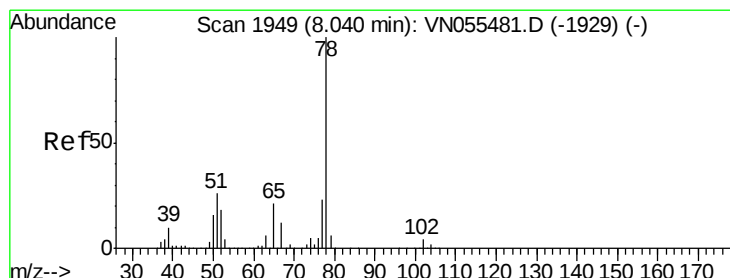
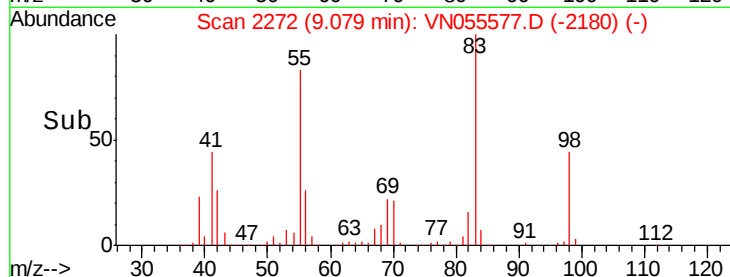
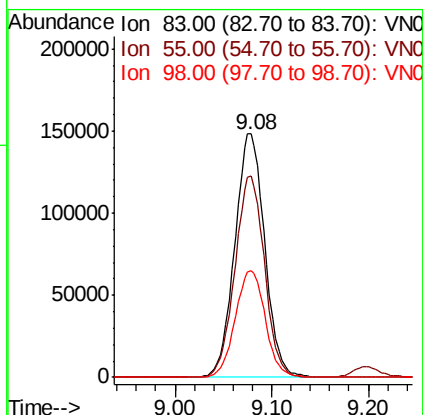
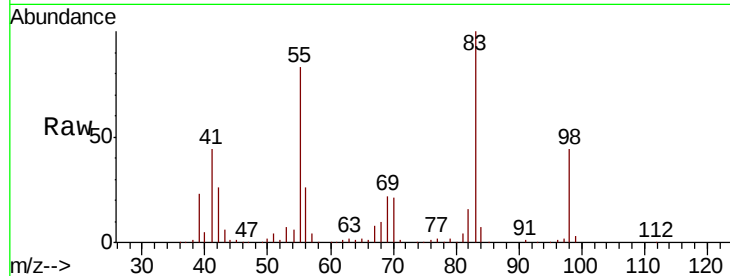




#39
Methvlcvclohexane
Concen: 19.402 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

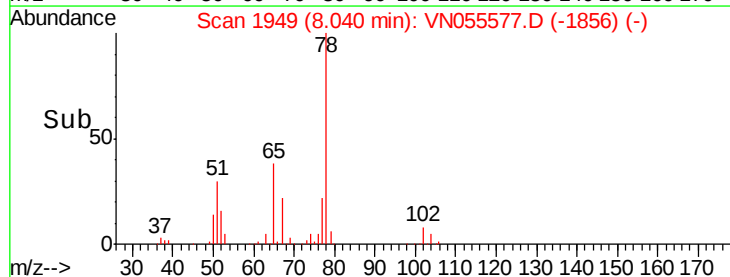
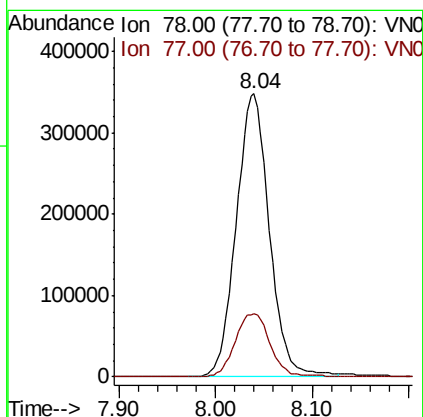
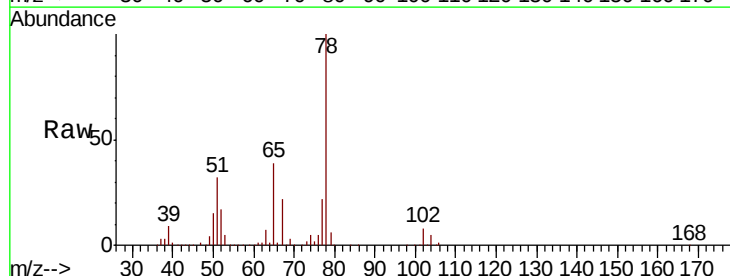
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

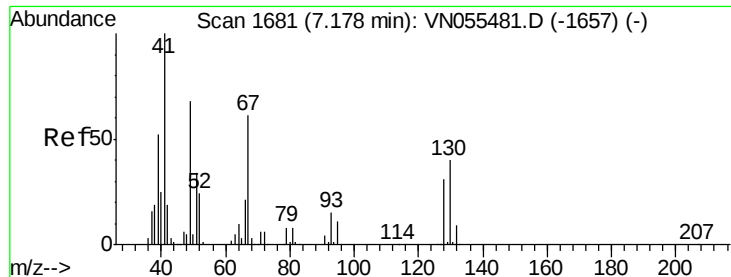
Tot Ion: 83 Resp: 318253
Ion Ratio Lower Upper
83 100
55 82.6 67.0 100.4
98 44.0 34.2 51.4



#40
Benzene
Concen: 19.833 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 78 Resp: 828102
Ion Ratio Lower Upper
78 100
77 22.3 18.6 27.8

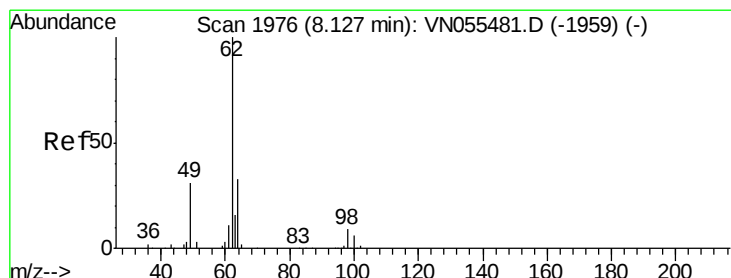
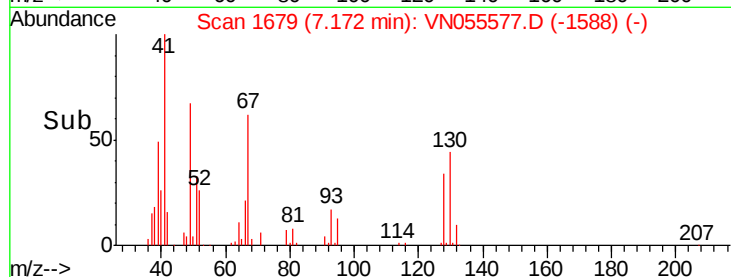
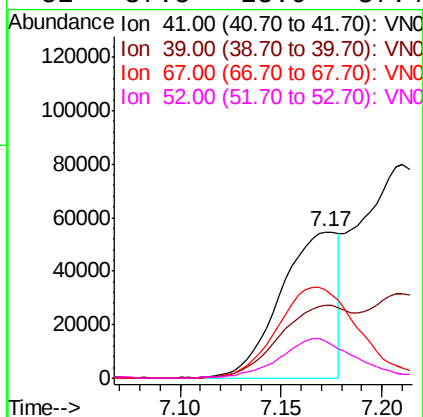
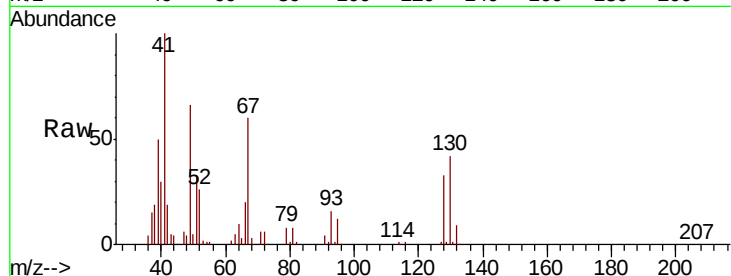




#41
Methacrylonitrile
Concen: 15.776 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

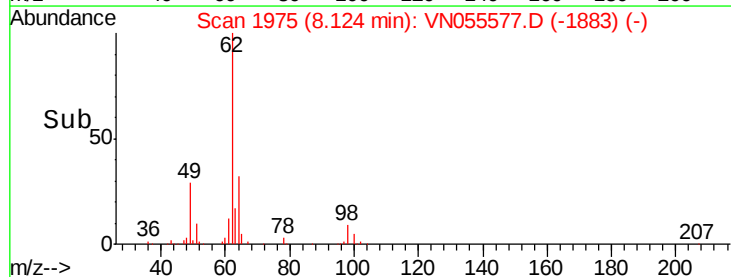
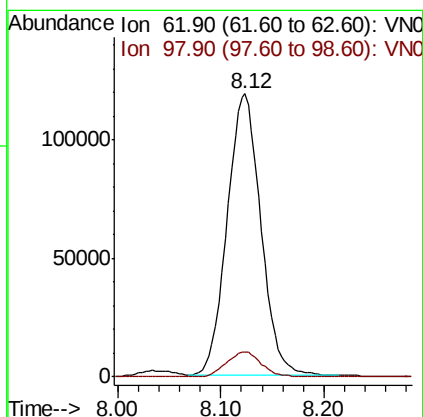
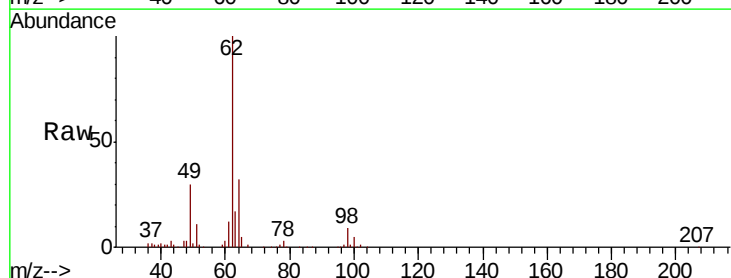
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

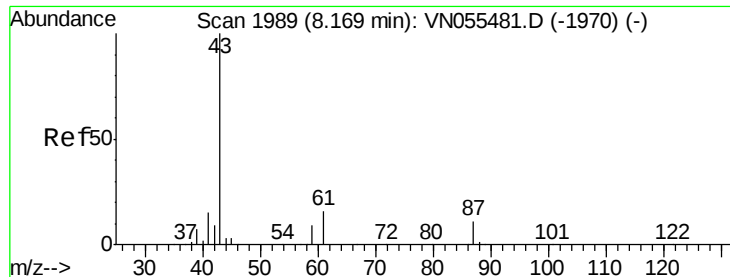
Tot Ion: 41 Resp: 107458
Ion Ratio Lower Upper
41 100
39 64.4 44.7 67.1
67 91.1 61.4 92.0
52 37.5 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 18.402 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 62 Resp: 269950
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.4





#43

Isopropyl Acetate

Concen: 17.466 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.01 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

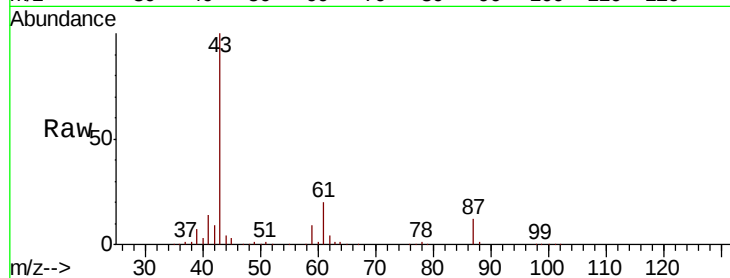
Tot Ion: 43 Resp: 389420

Ion Ratio Lower Upper

43 100

61 21.3 15.1 22.7

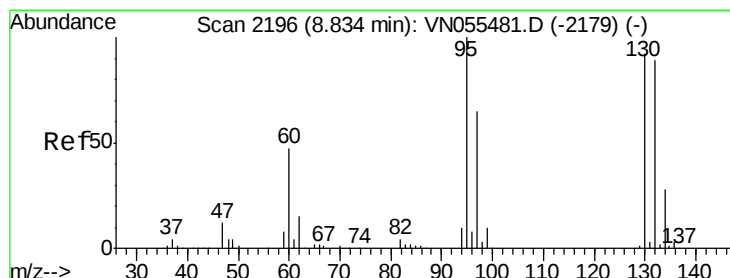
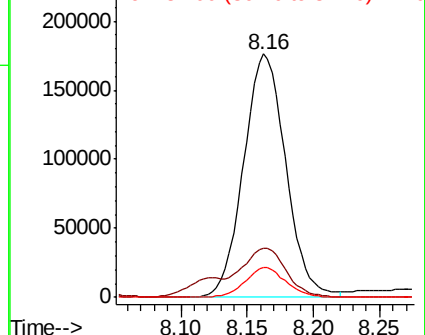
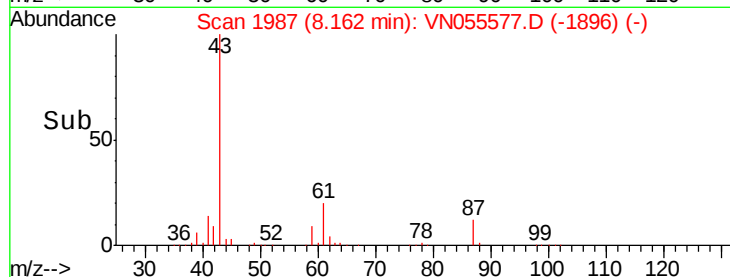
87 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055577.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055577.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055577.D (-2103) (-)



#44

Trichloroethene

Concen: 21.051 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055577.D

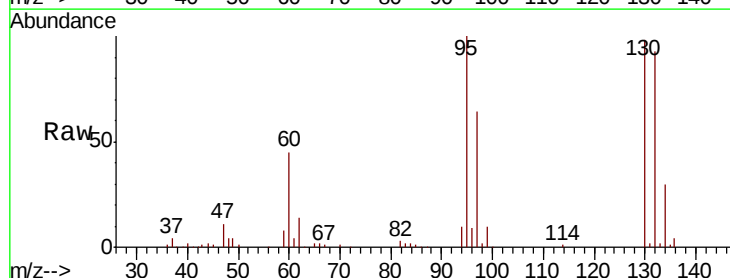
Acq: 13 May 2019 15:28

Tgt Ion:130 Resp: 209139

Ion Ratio Lower Upper

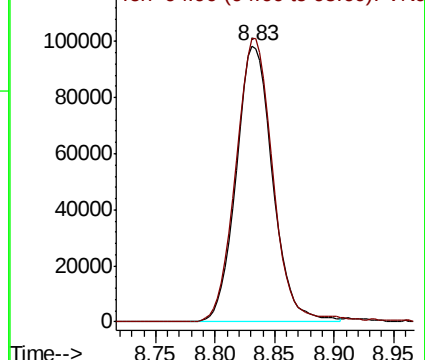
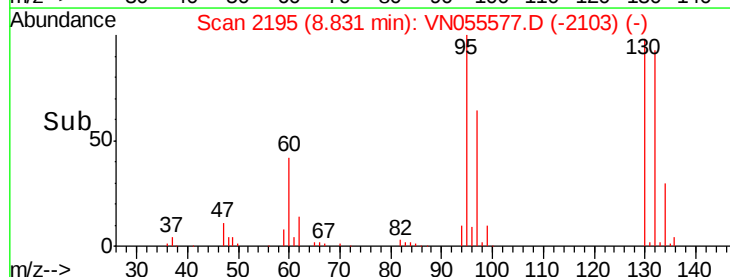
130 100

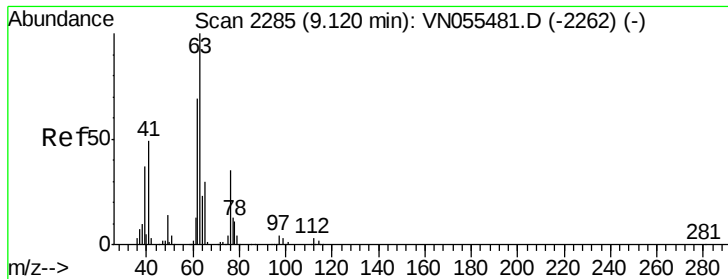
95 102.6 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055577.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055577.D (-2103) (-)

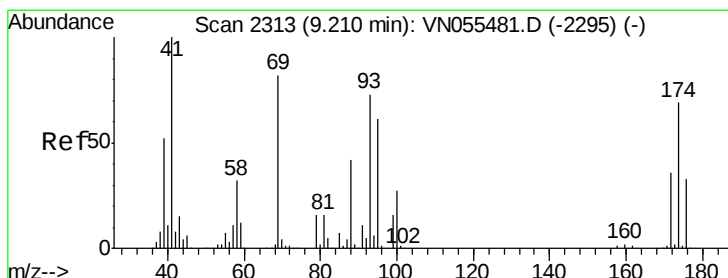
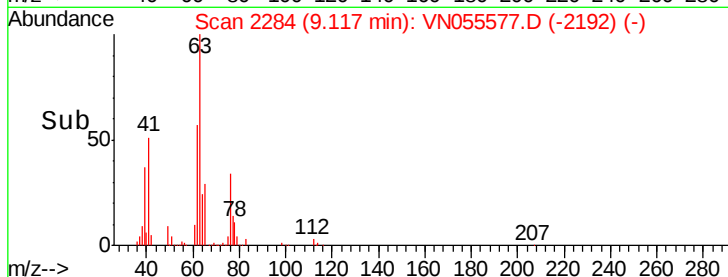
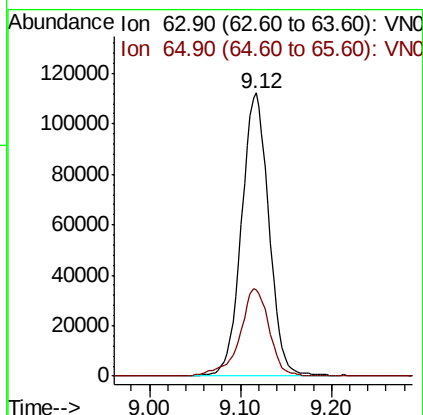
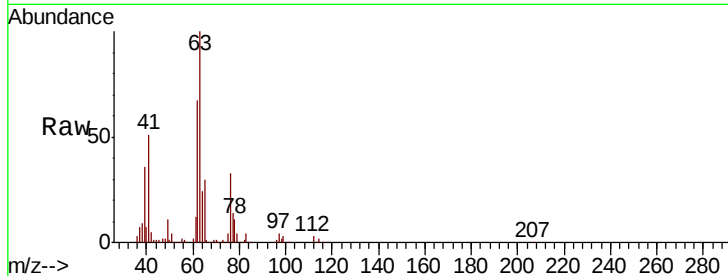




#45
 1,2-Dichloropropane
 Concen: 19.684 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

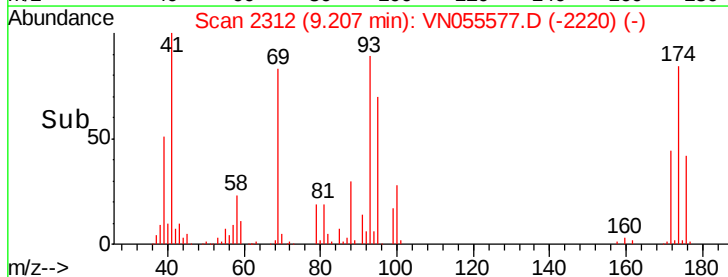
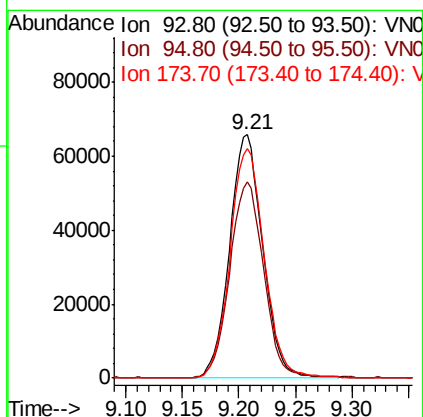
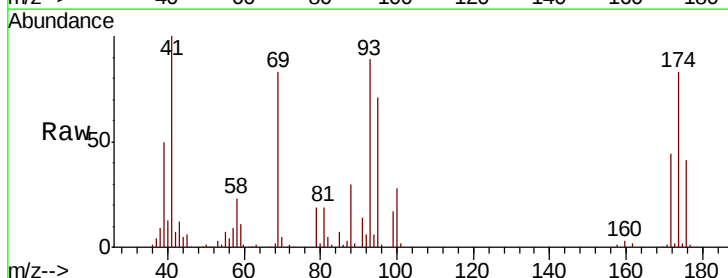
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

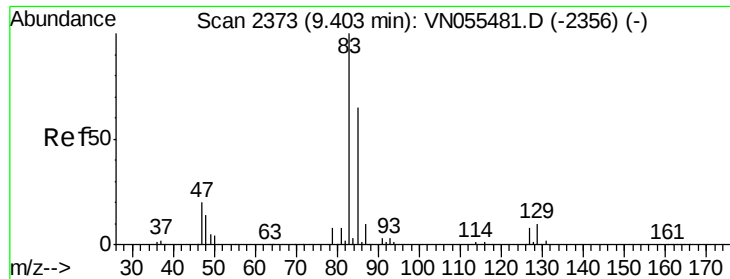
Tot Ion: 63 Resp: 235164
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.1 36.1



#46
 Dibromomethane
 Concen: 19.417 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion: 93 Resp: 134458
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.8 97.2
 174 97.1 75.0 112.6





#47

Bromodichloromethane

Concen: 19.612 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

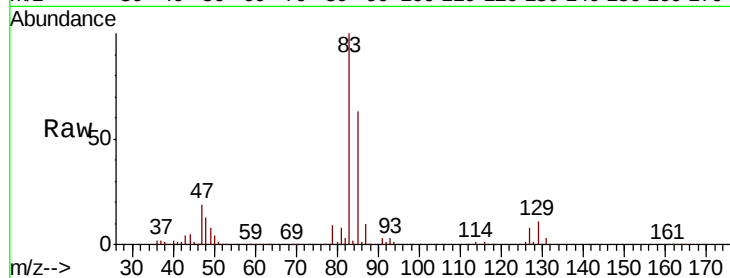
Tot Ion: 83 Resp: 259815

Ion Ratio Lower Upper

83 100

85 62.6 52.2 78.2

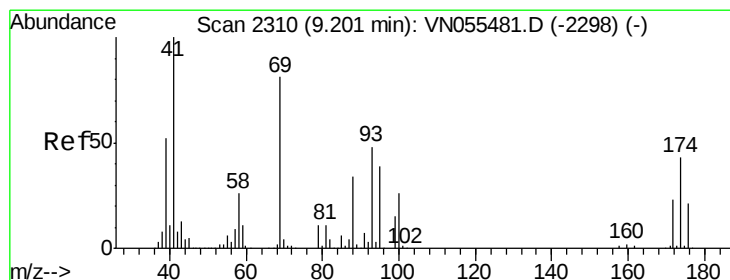
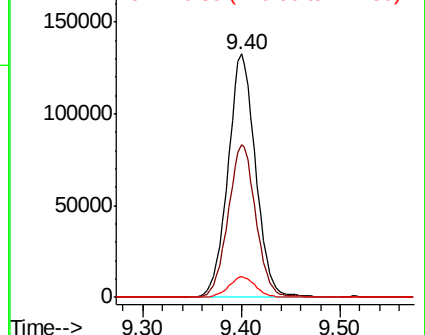
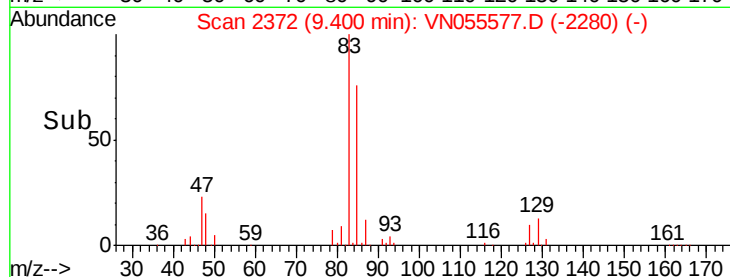
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055577.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055577.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055577.D (-2280) (-)



#48

Methyl methacrylate

Concen: 16.762 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

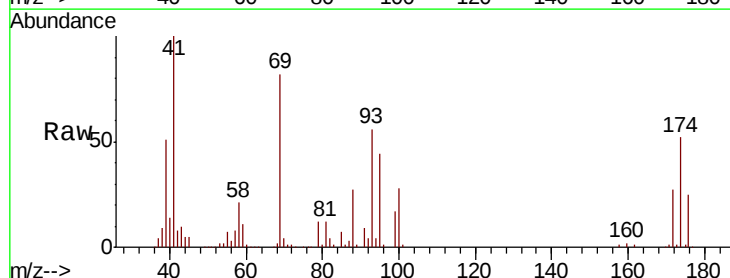
Tgt Ion: 41 Resp: 180064

Ion Ratio Lower Upper

41 100

69 86.5 64.2 96.2

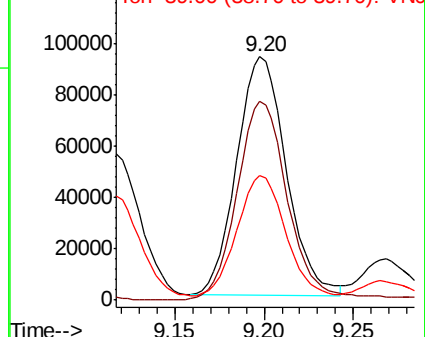
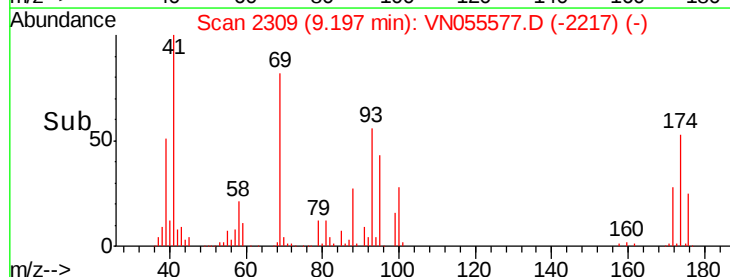
39 52.0 41.6 62.4

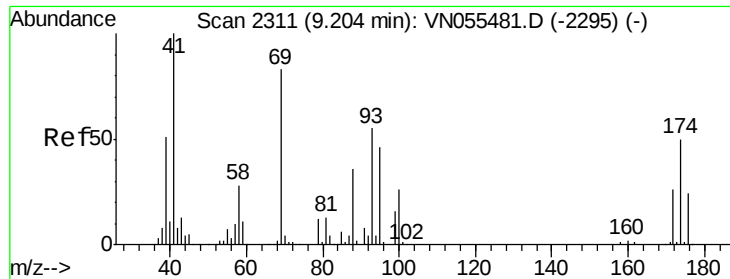


Abundance Ion 41.00 (40.70 to 41.70): VN055577.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055577.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055577.D (-2217) (-)





#49

1,4-Dioxane

Concen: 284.347 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

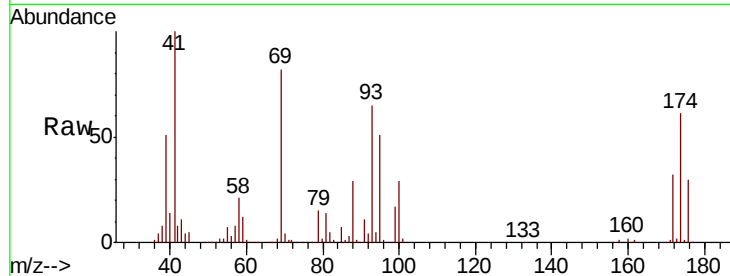
Tot Ion: 88 Resp: 59533

Ion Ratio Lower Upper

88 100

43 33.2 27.8 41.8

58 74.6 61.8 92.6

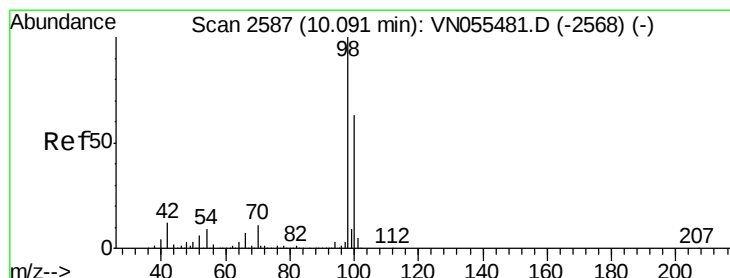
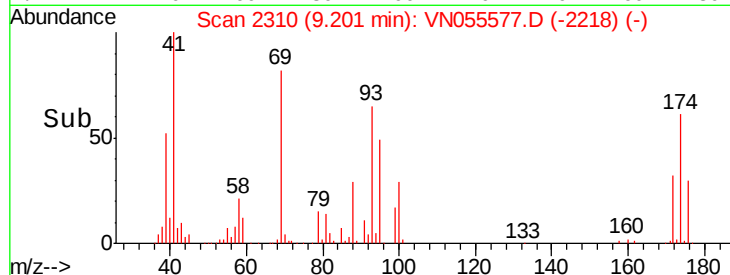
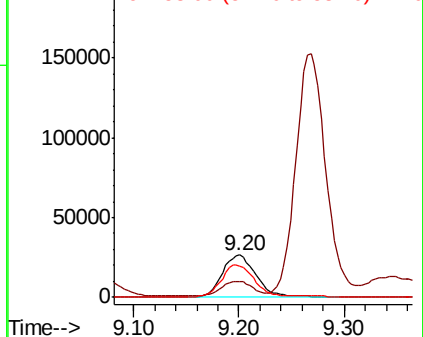


Abundance

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: 49.763 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055577.D

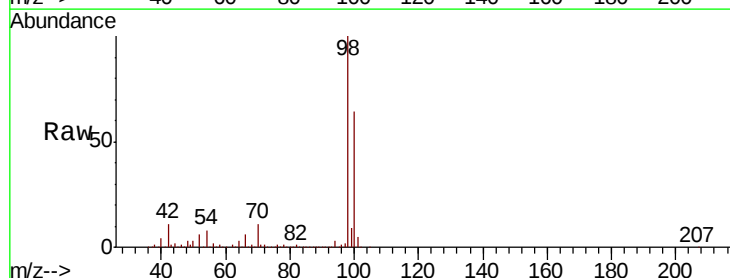
Acq: 13 May 2019 15:28

Tgt Ion: 98 Resp: 1708274

Ion Ratio Lower Upper

98 100

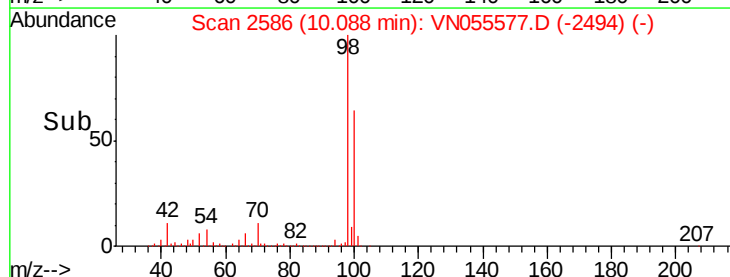
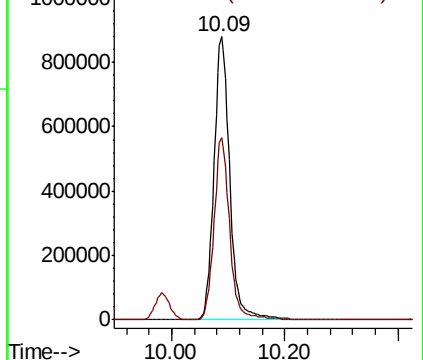
100 63.1 50.4 75.6

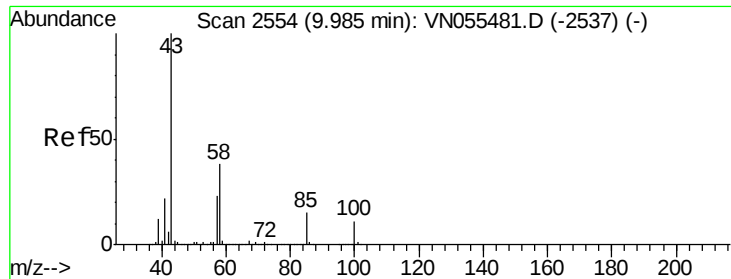


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 79.997 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

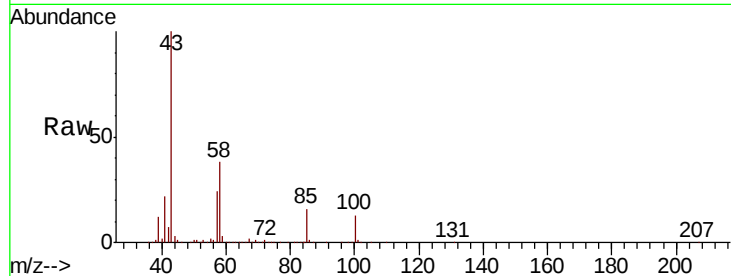
VN0513WBSD01

Tot Ion: 43 Resp: 1173028

Ion Ratio Lower Upper

43 100

58 38.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)

9.98

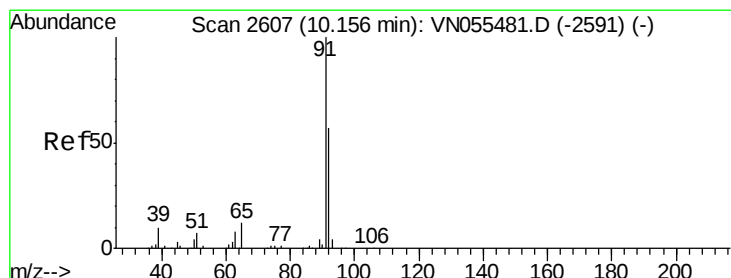
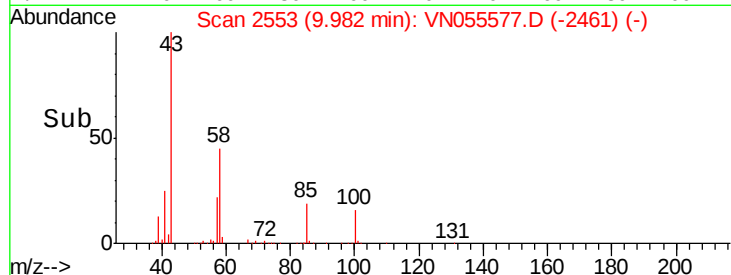
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.700 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055577.D

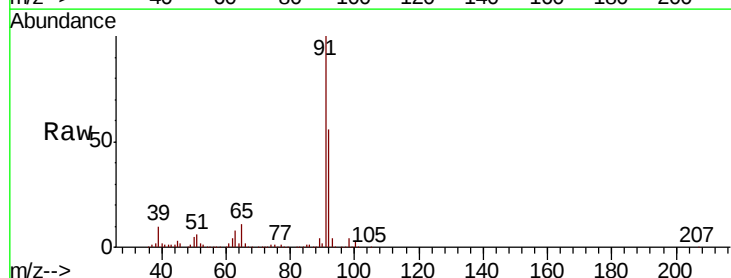
Acq: 13 May 2019 15:28

Tgt Ion: 92 Resp: 494125

Ion Ratio Lower Upper

92 100

91 175.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055481.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-2591) (-)

10.15

500000

400000

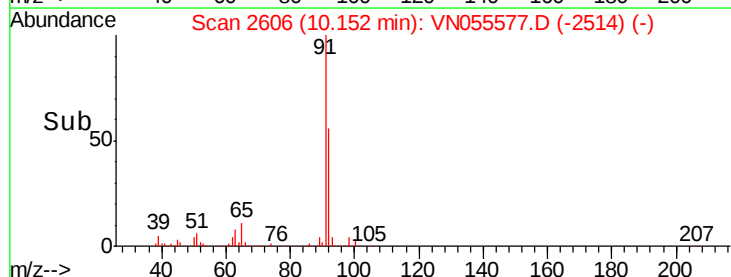
300000

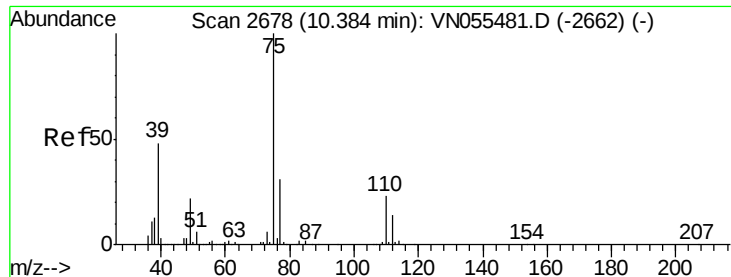
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.550 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

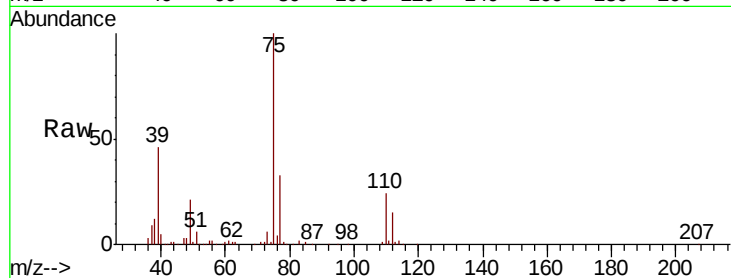
VN0513WBSD01

Tot Ion: 75 Resp: 248743

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

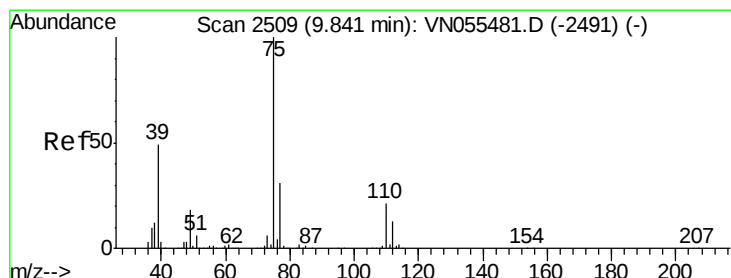
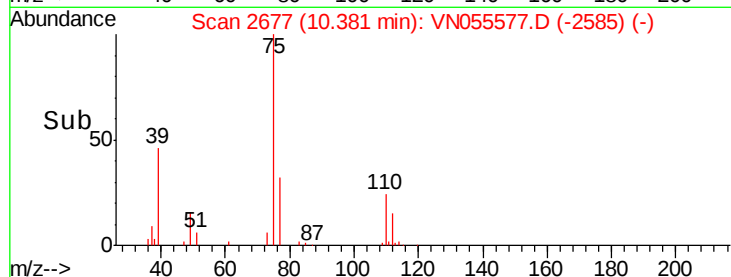
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.275 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

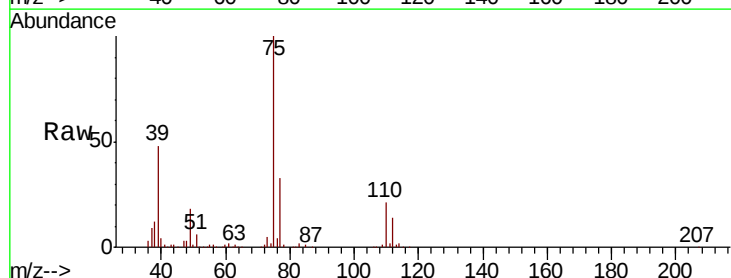
Tgt Ion: 75 Resp: 308257

Ion Ratio Lower Upper

75 100

77 33.0 24.4 36.6

39 48.1 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

9.84

200000

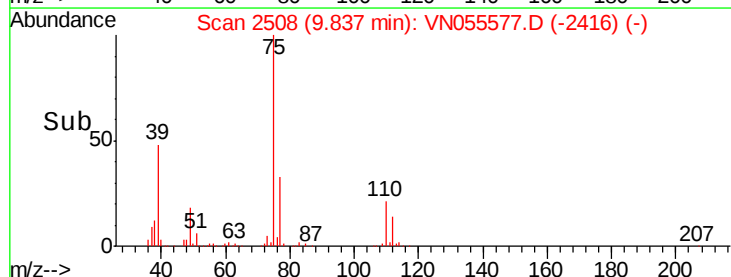
150000

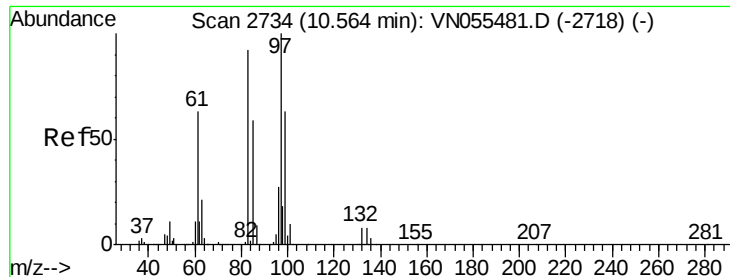
100000

50000

0

Time-->

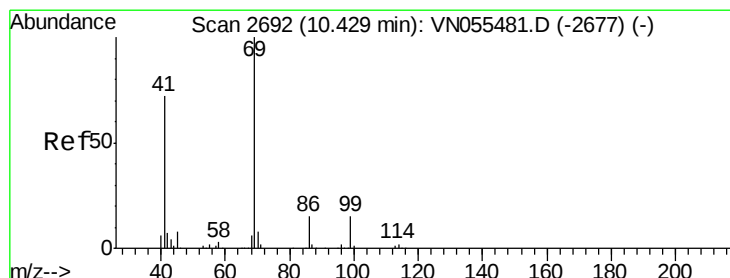
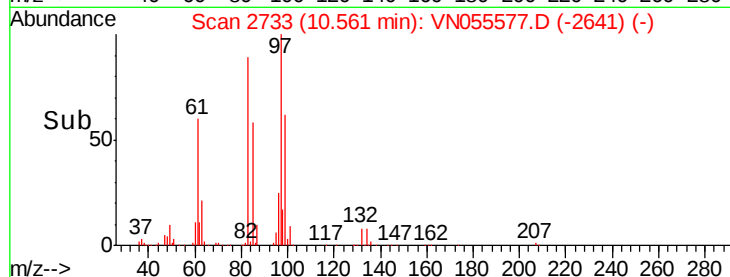
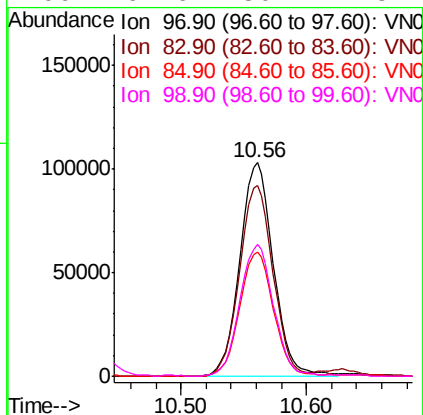
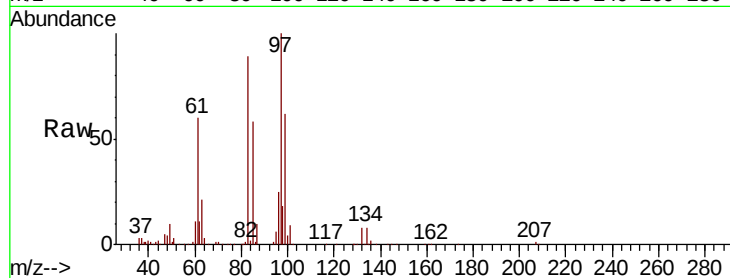




#55
 1,1,2-Trichloroethane
 Concen: 19.785 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

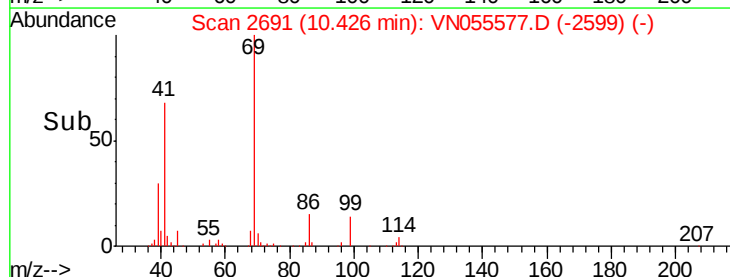
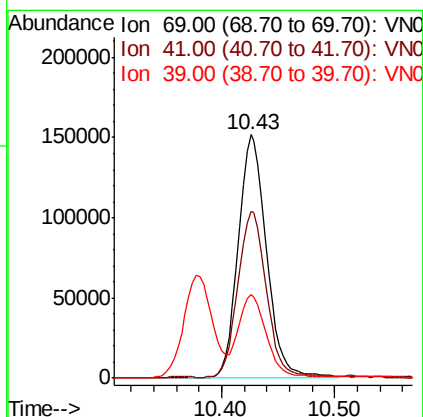
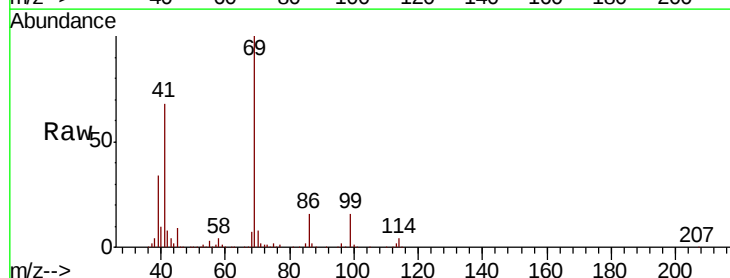
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

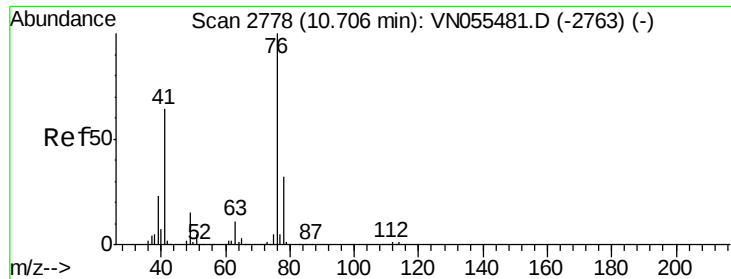
Tot Ion:	97	Resp:	191353
Ion	Ratio	Lower	Upper
97	100		
83	89.4	73.2	109.8
85	58.4	47.5	71.3
99	61.6	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 18.447 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion:	69	Resp:	265369
Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.2
39	34.3	27.8	41.6





#57

1,3-Dichloropropane

Concen: 19.636 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

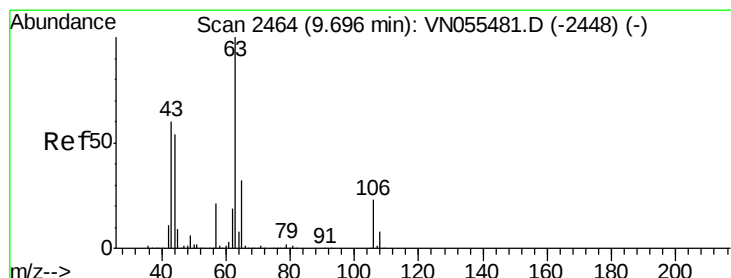
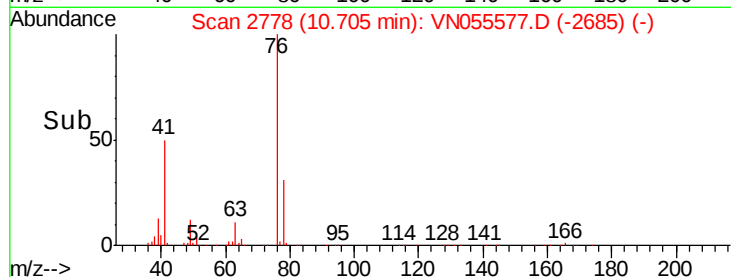
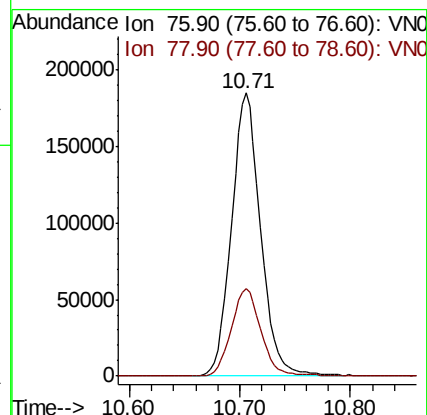
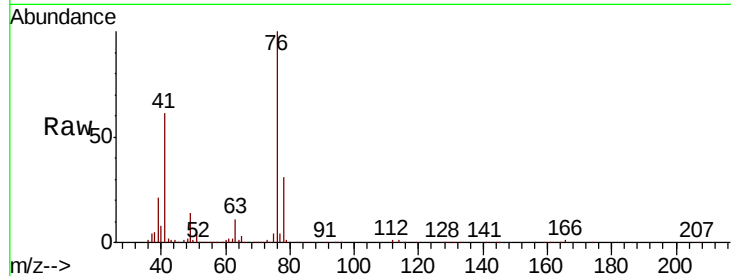
VN0513WBSD01

Tot Ion: 76 Resp: 337154

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 73.639 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055577.D

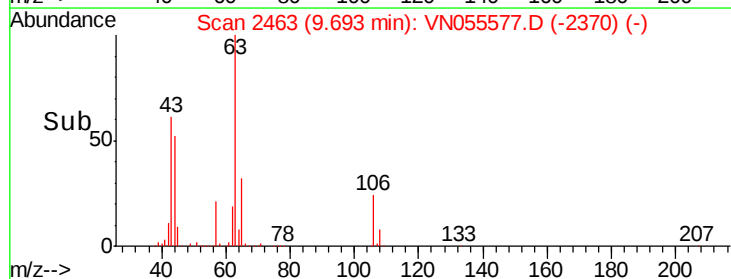
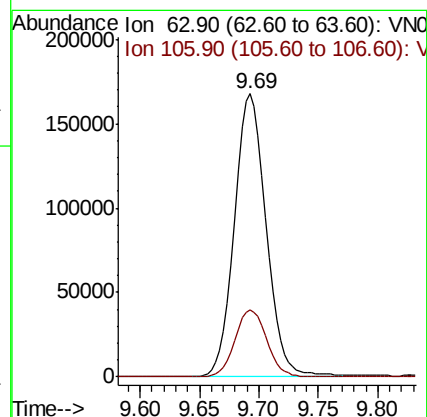
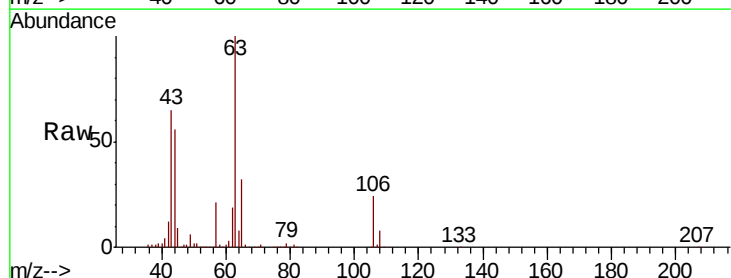
Acq: 13 May 2019 15:28

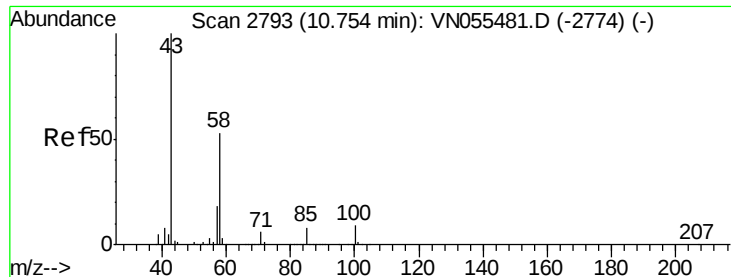
Tgt Ion: 63 Resp: 311619

Ion Ratio Lower Upper

63 100

106 23.6 18.6 27.8

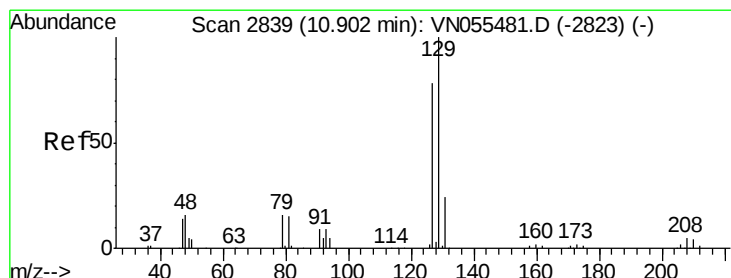
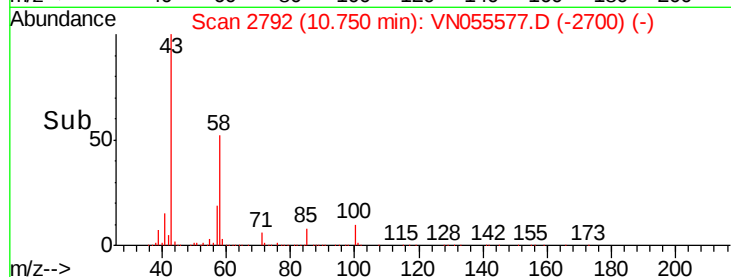
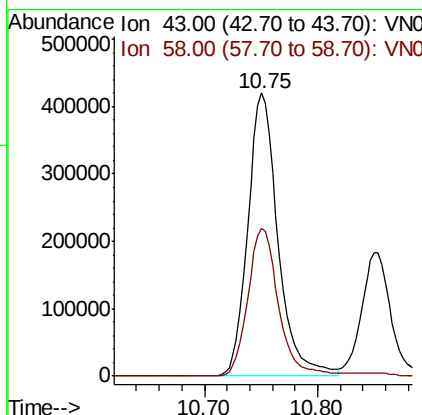
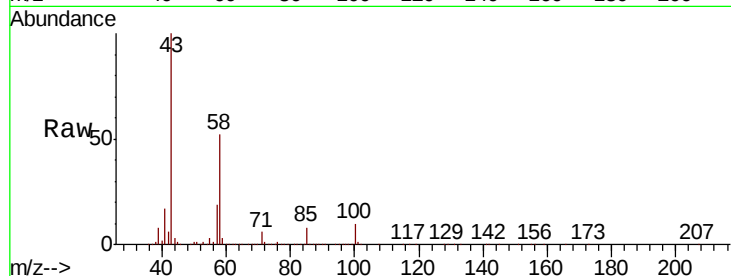




#59
2-Hexanone
Concen: 75.496 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

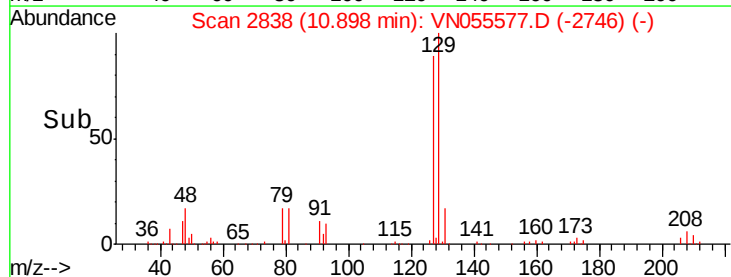
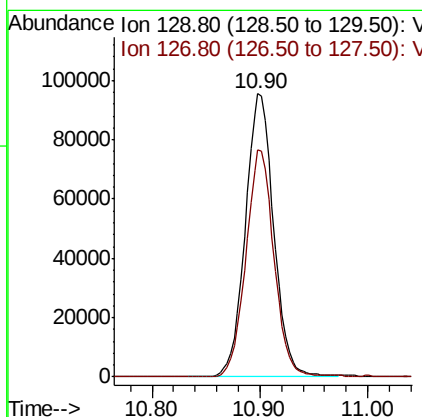
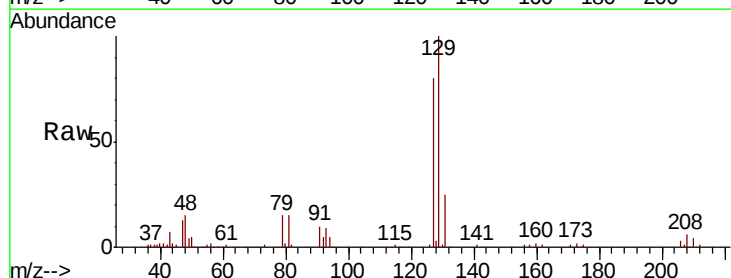
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

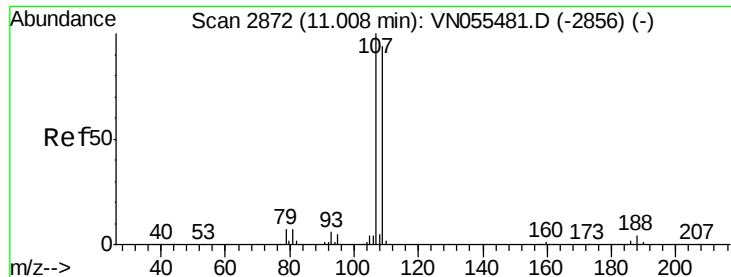
Tot Ion: 43 Resp: 776365
Ion Ratio Lower Upper
43 100
58 53.4 26.4 79.0



#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion: 129 Resp: 174814
Ion Ratio Lower Upper
129 100
127 79.4 38.6 116.0

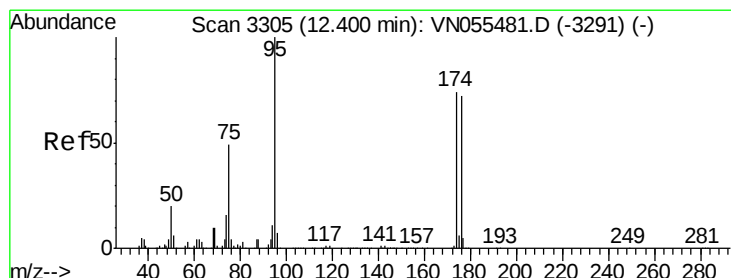
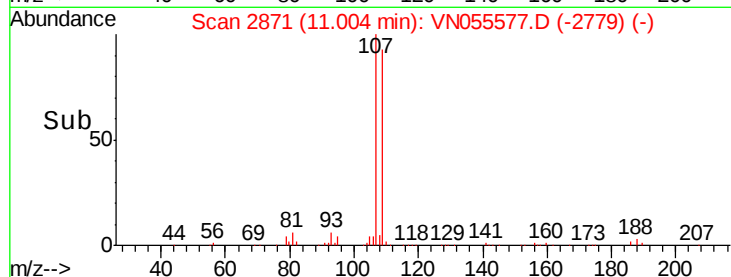
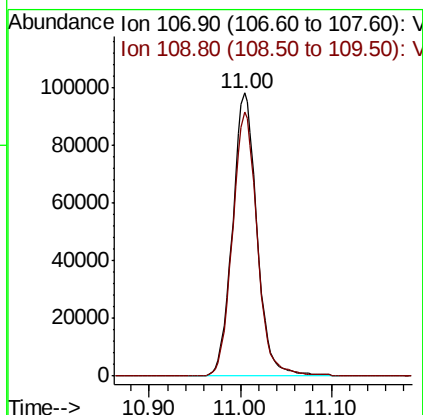
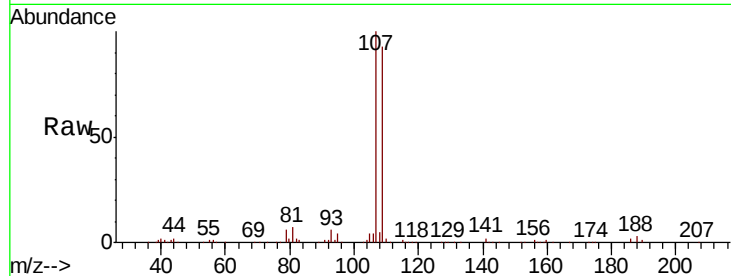




#61
 1,2-Dibromoethane
 Concen: 19.781 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

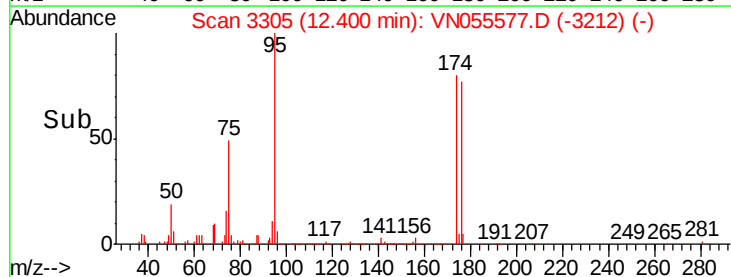
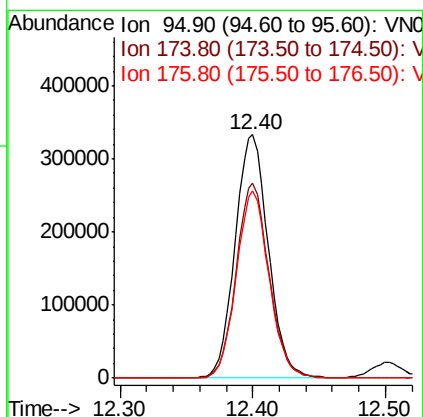
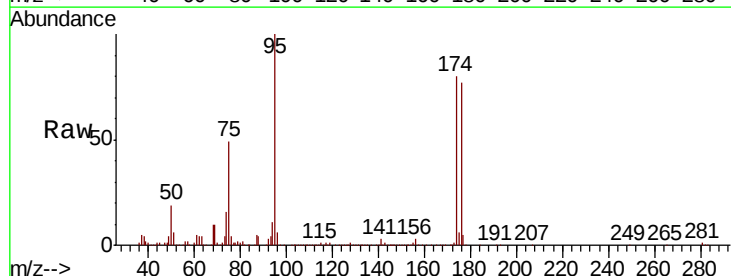
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

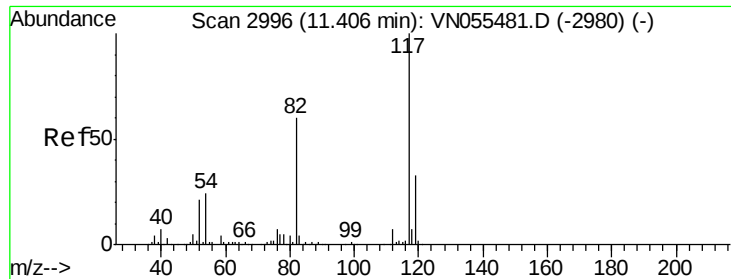
Tot Ion: 107 Resp: 183816
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 49.981 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion: 95 Resp: 578536
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 152.2
 176 76.1 0.0 147.8

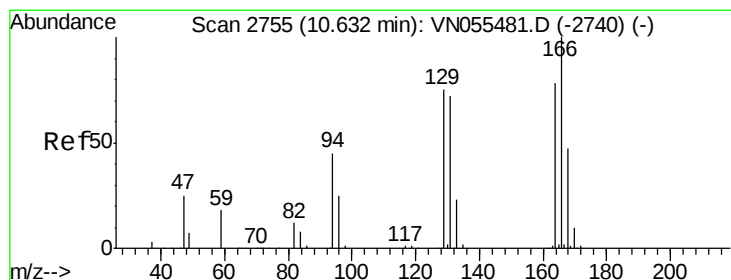
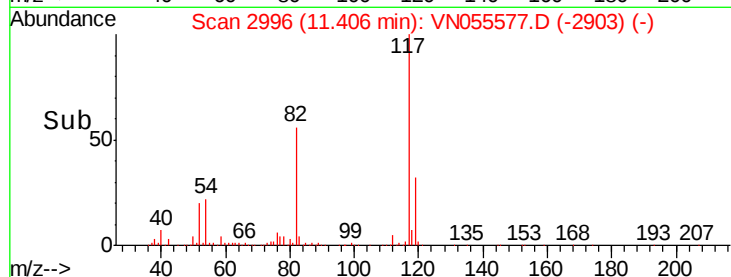
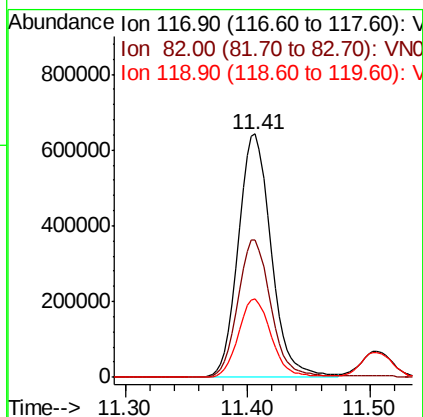
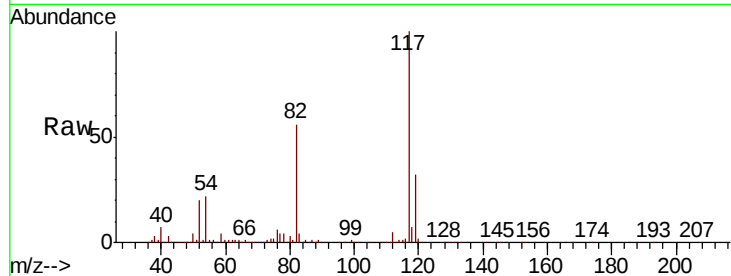




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

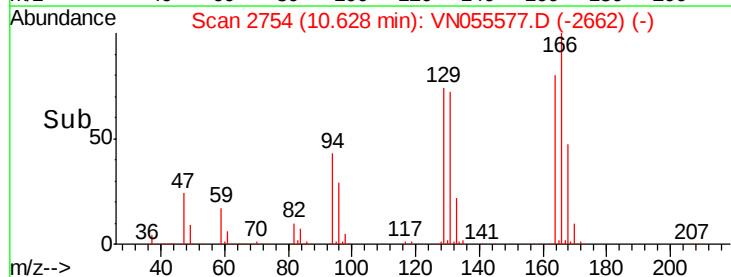
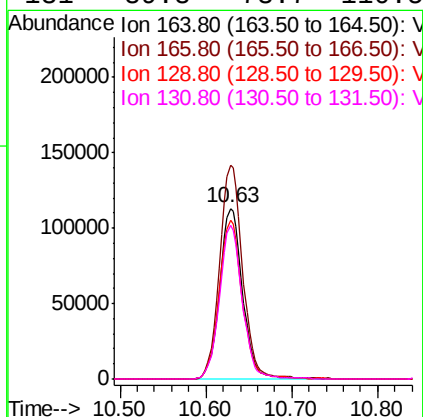
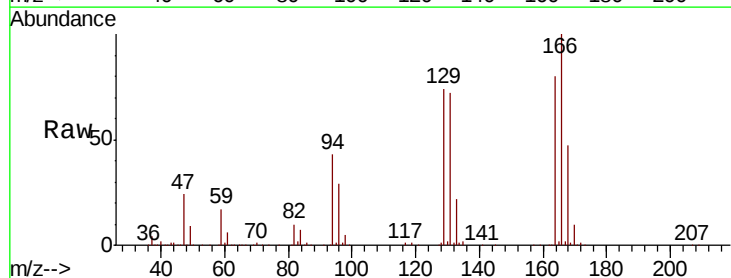
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

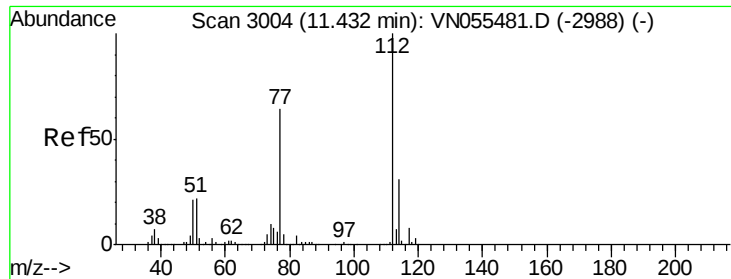
Tot Ion:117 Resp: 1197170
Ion Ratio Lower Upper
117 100
82 56.4 48.0 72.0
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 21.351 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion:164 Resp: 209449
Ion Ratio Lower Upper
164 100
166 125.1 102.6 153.8
129 92.7 77.0 115.6
131 89.8 73.7 110.5

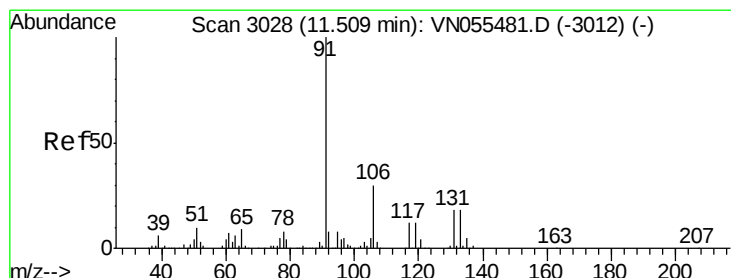
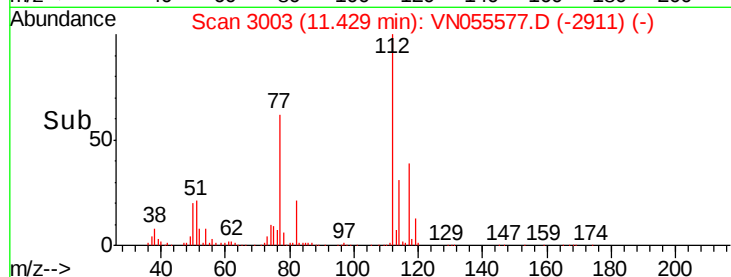
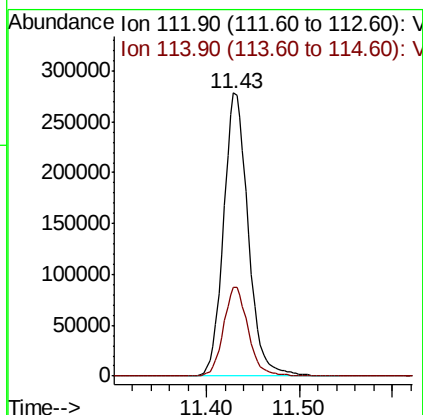
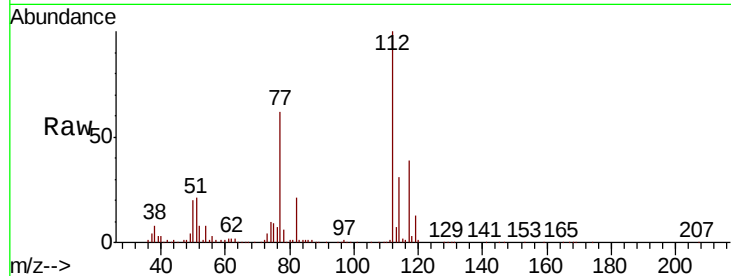




#65
Chlorobenzene
Concen: 20.843 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

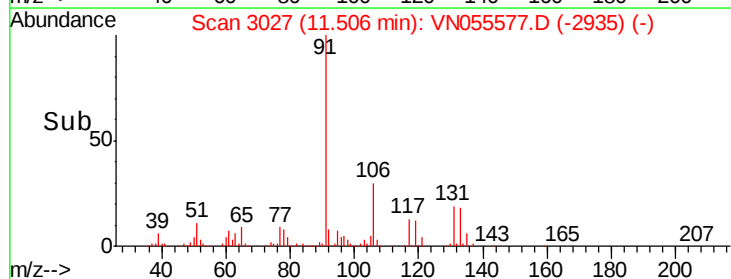
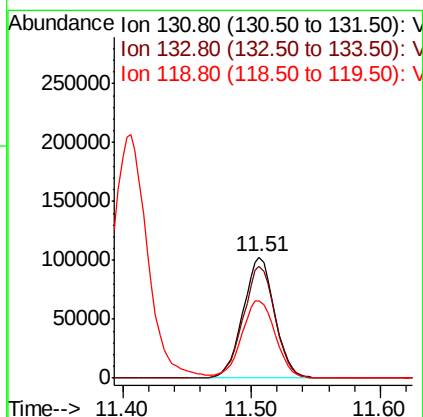
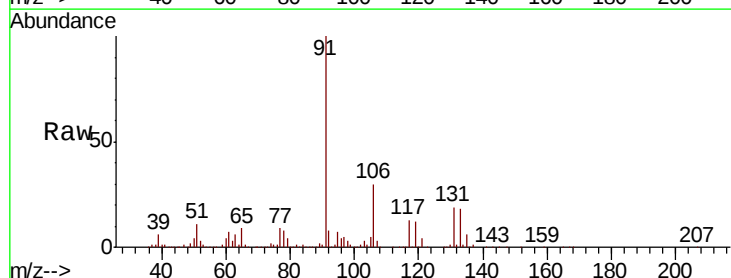
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

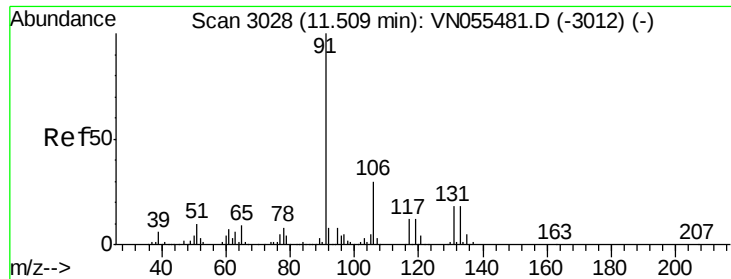
Tot Ion:112 Resp: 513370
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.692 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion:131 Resp: 175449
Ion Ratio Lower Upper
131 100
133 93.3 47.4 142.2
119 67.5 34.1 102.2





#67

Ethyl Benzene

Concen: 20.021 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

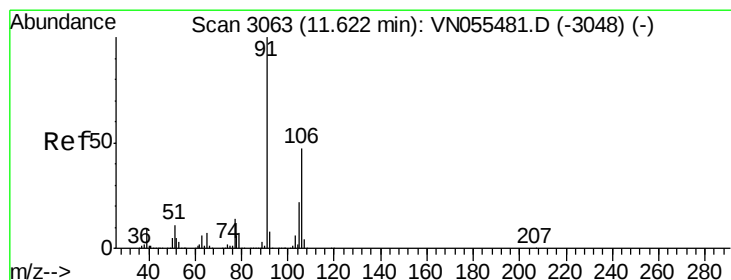
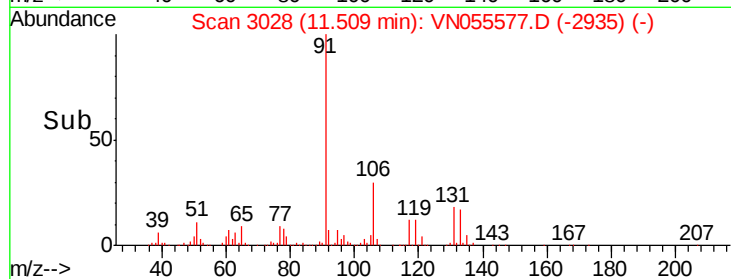
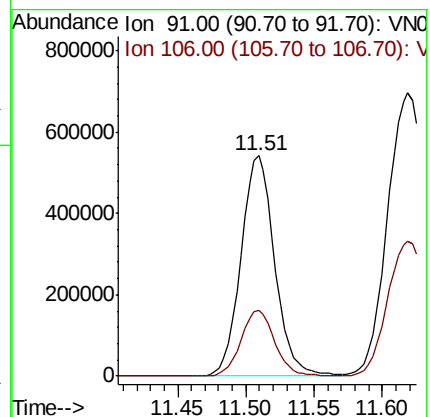
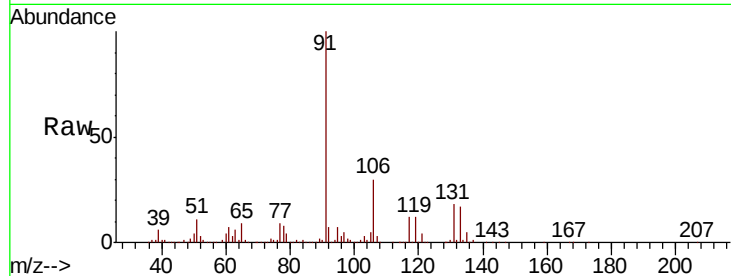
VN0513WBSD01

Tot Ion: 91 Resp: 926132

Ion Ratio Lower Upper

91 100

106 30.0 23.8 35.6



#68

m/p-Xylenes

Concen: 40.616 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055577.D

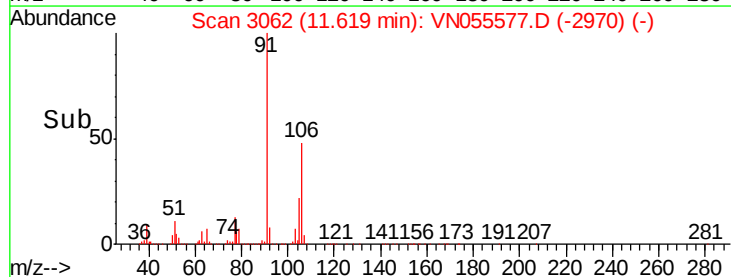
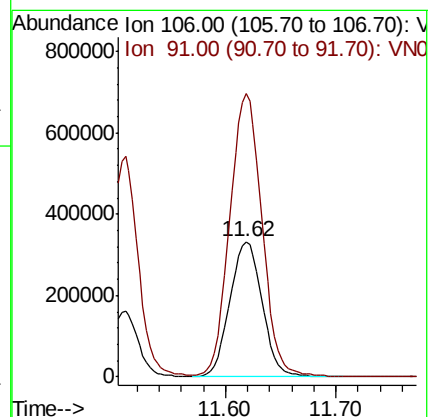
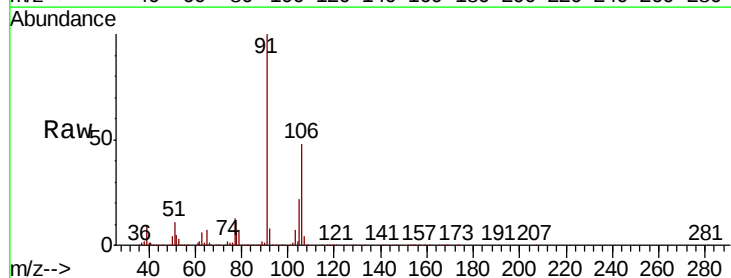
Acq: 13 May 2019 15:28

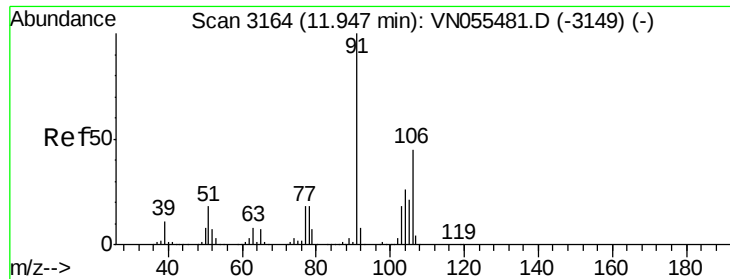
Tgt Ion: 106 Resp: 674262

Ion Ratio Lower Upper

106 100

91 208.9 169.2 253.8

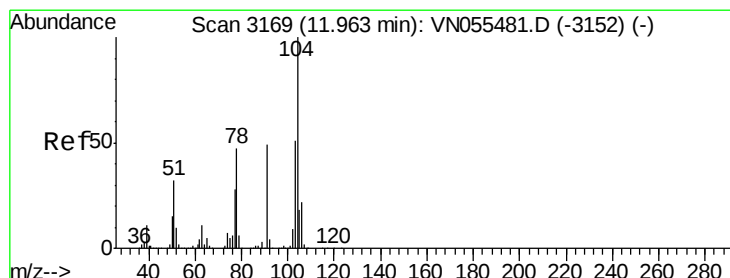
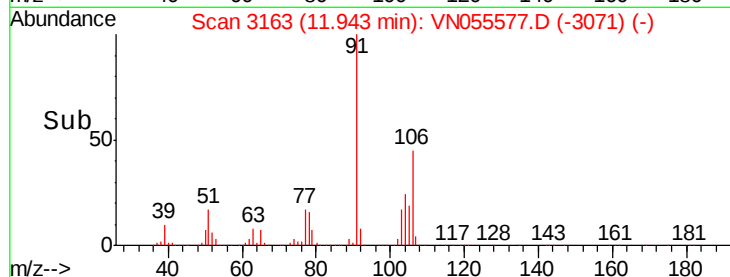
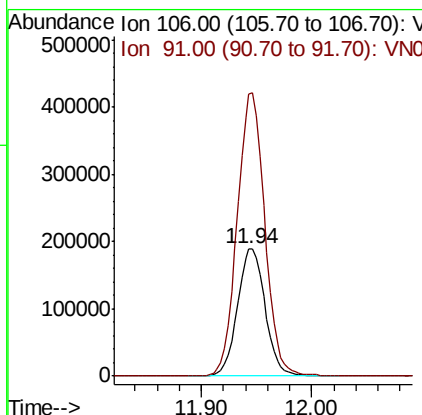
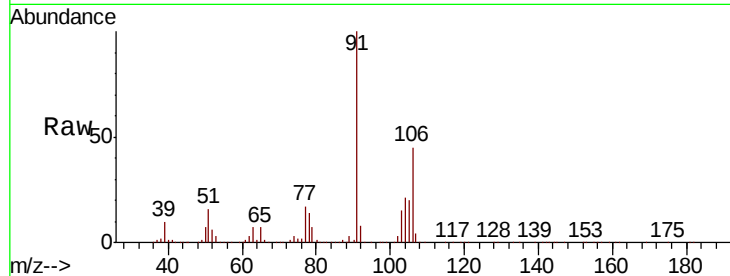




#69
o-Xylene
Concen: 20.134 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

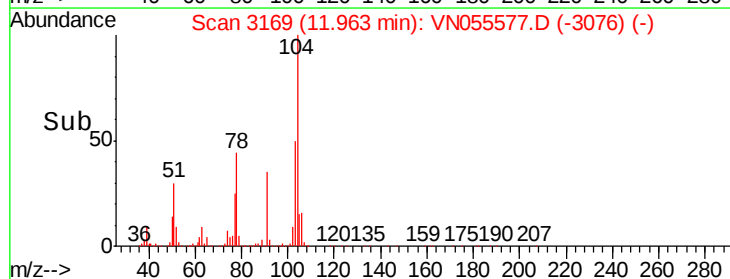
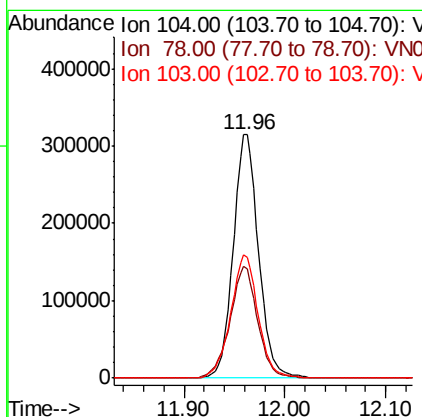
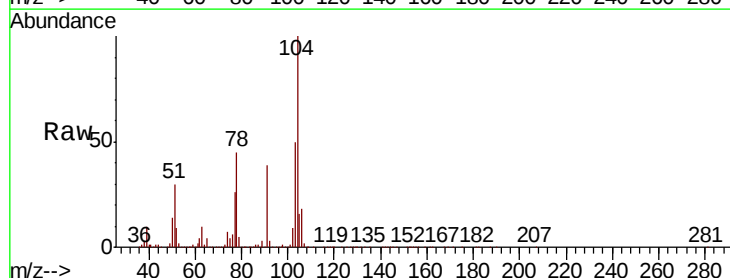
Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

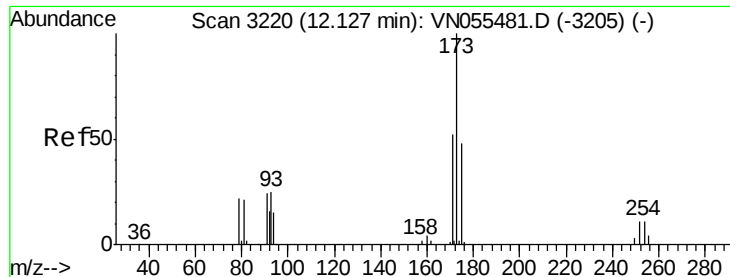
Tot Ion:106 Resp: 328519
Ion Ratio Lower Upper
106 100
91 221.1 111.3 333.8



#70
Styrene
Concen: 21.036 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion:104 Resp: 549911
Ion Ratio Lower Upper
104 100
78 50.1 41.6 62.4
103 54.6 44.4 66.6





#71

Bromoform

Concen: 19.101 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

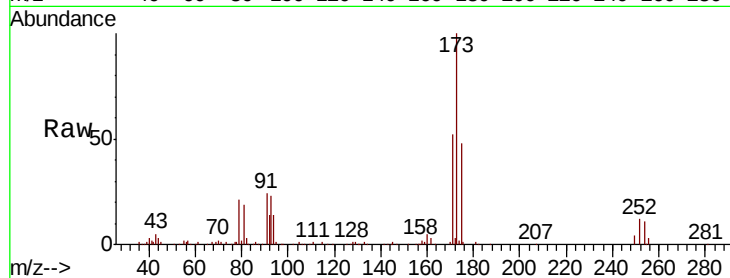
Tot Ion:173 Resp: 109294

Ion Ratio Lower Upper

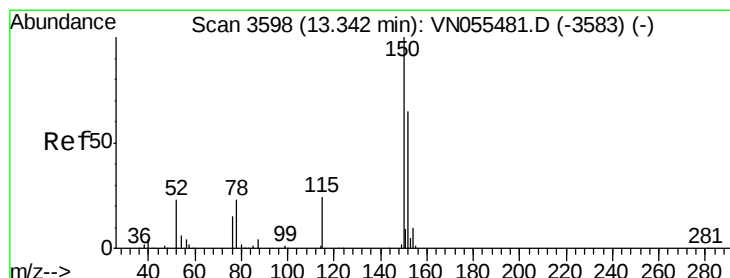
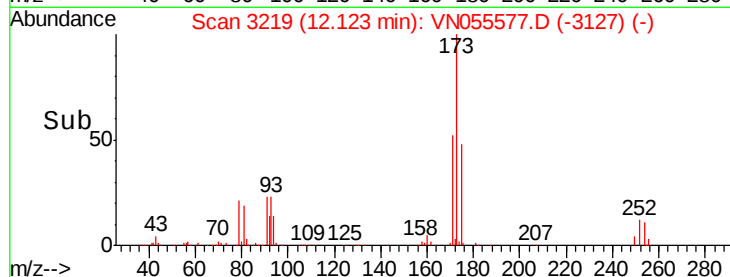
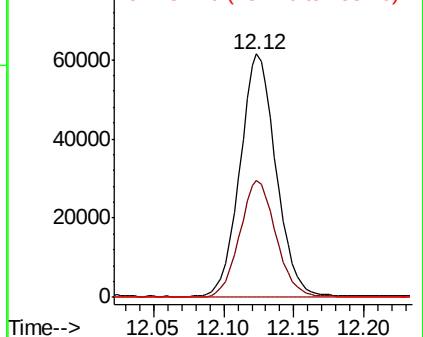
173 100

175 48.7 24.1 72.4

254 0.1 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: VN055577.D

Acq: 13 May 2019 15:28

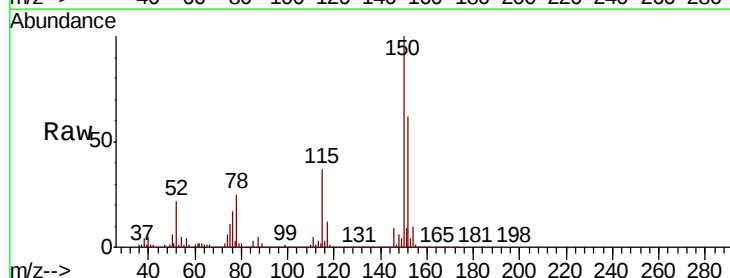
Tgt Ion:152 Resp: 481390

Ion Ratio Lower Upper

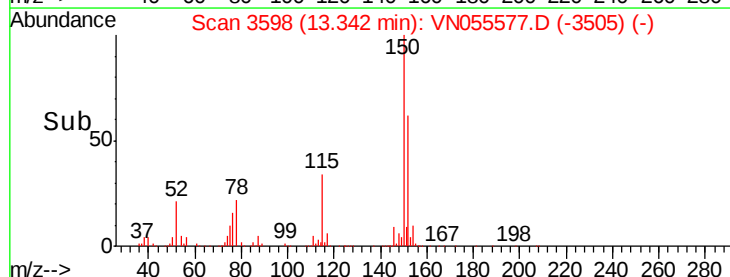
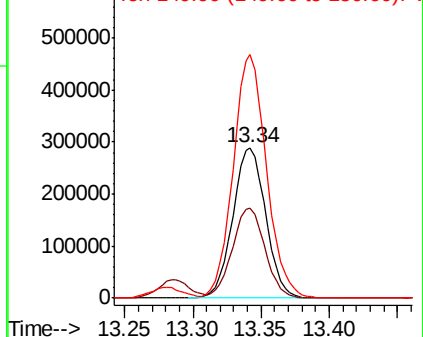
152 100

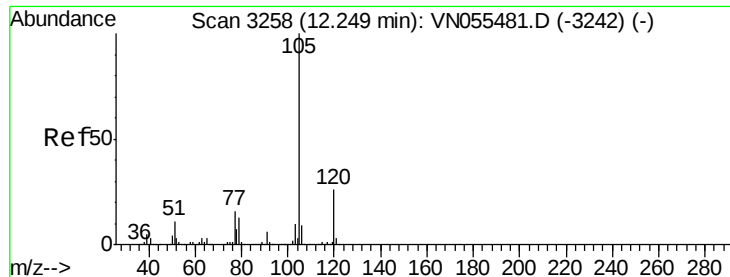
115 59.2 30.1 90.5

150 164.6 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: 20.592 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

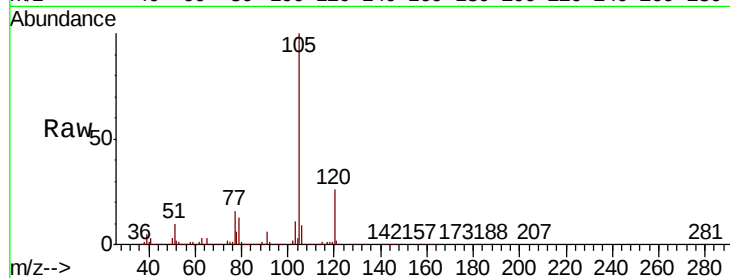
VN0513WBSD01

Tot Ion:105 Resp: 875846

Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

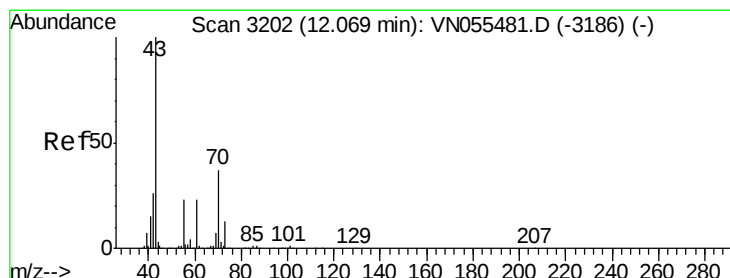
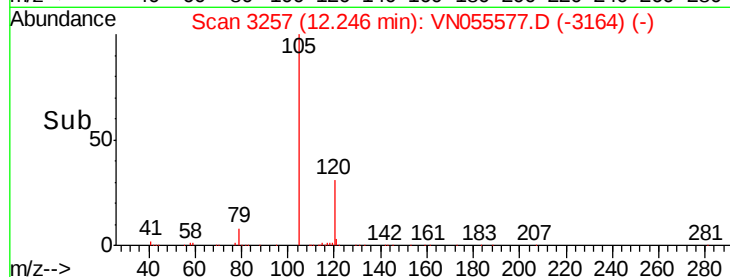
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 15.190 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Tgt Ion: 43 Resp: 277613

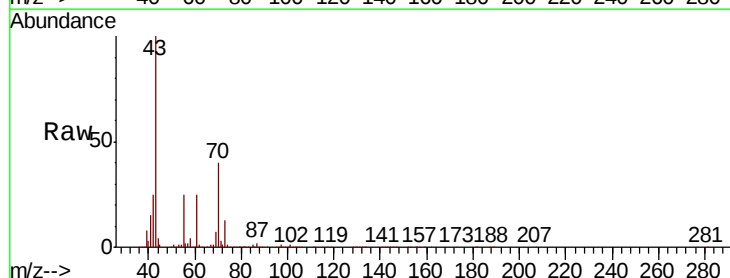
Ion Ratio Lower Upper

43 100

70 40.2 30.7 46.1

55 24.4 19.3 28.9

61 24.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

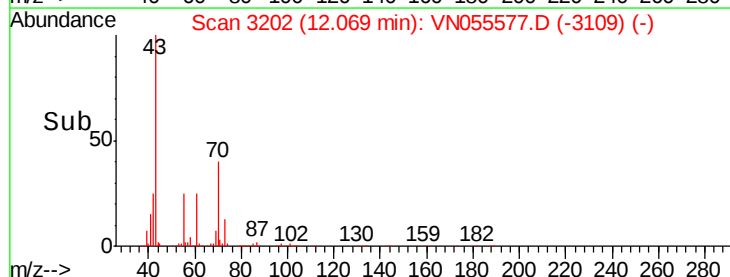
150000

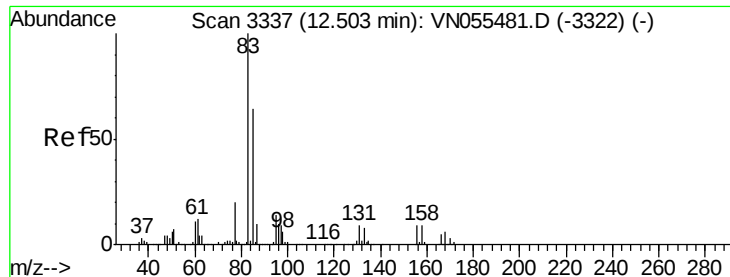
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.726 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

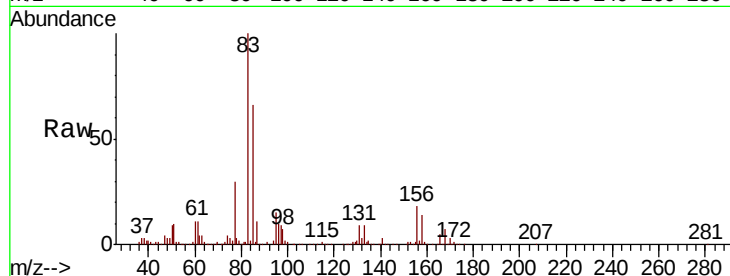
Tot Ion: 83 Resp: 249144

Ion Ratio Lower Upper

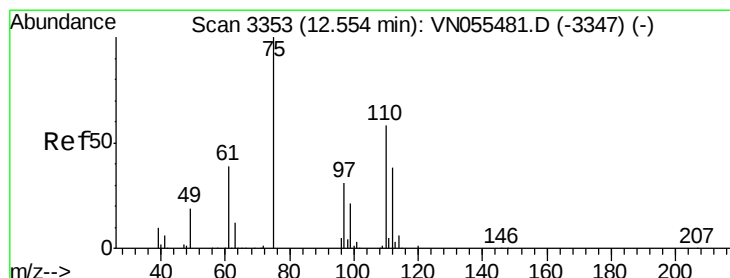
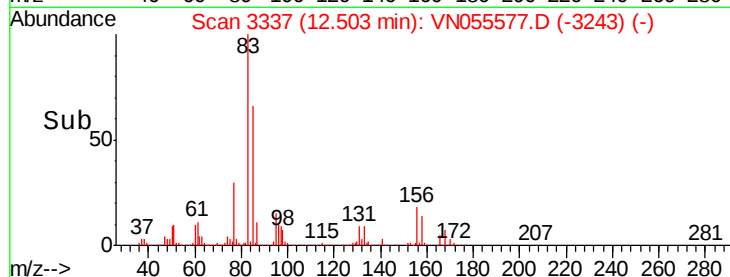
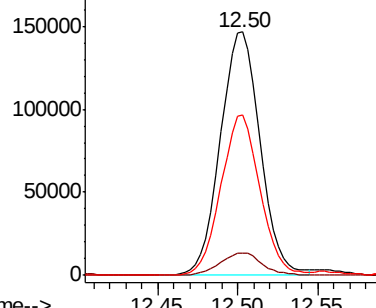
83 100

131 9.3 4.5 13.5

85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.338 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055577.D

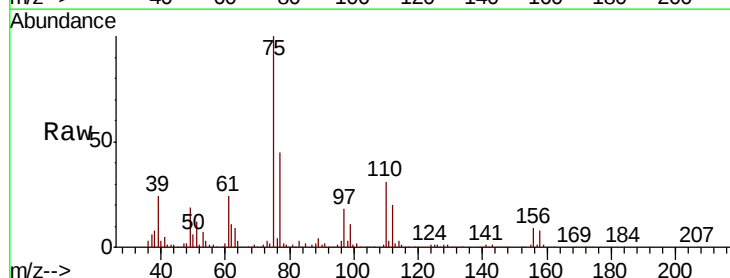
Acq: 13 May 2019 15:28

Tgt Ion: 75 Resp: 292747

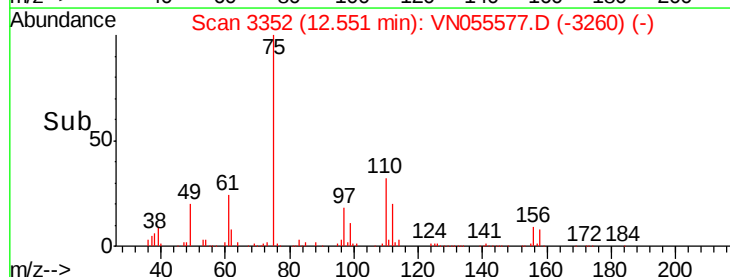
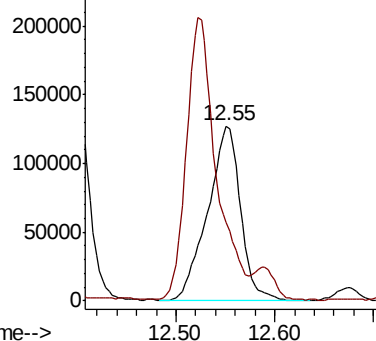
Ion Ratio Lower Upper

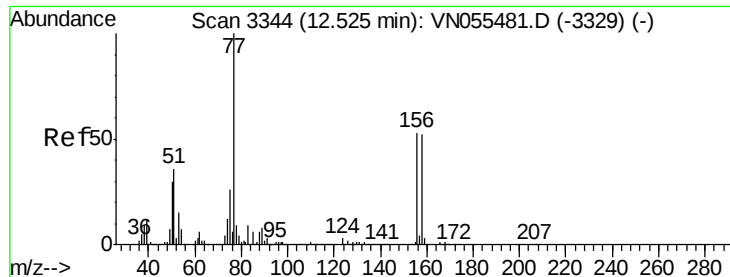
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.581 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

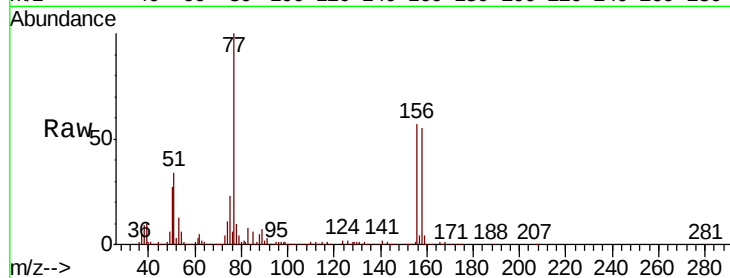
Tot Ion:156 Resp: 207732

Ion Ratio Lower Upper

156 100

77 208.6 115.4 346.2

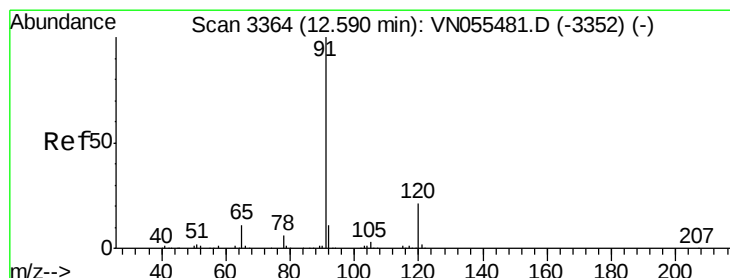
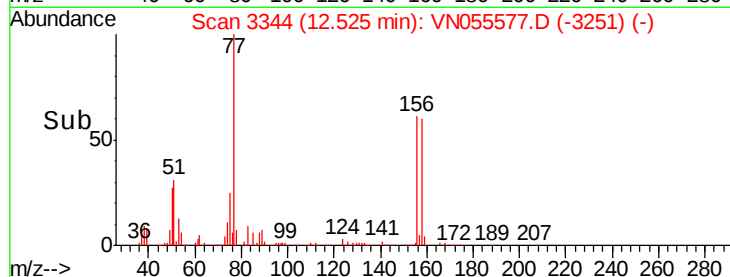
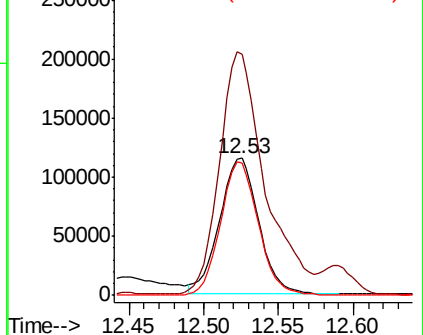
158 96.1 48.7 146.1



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: 19.274 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055577.D

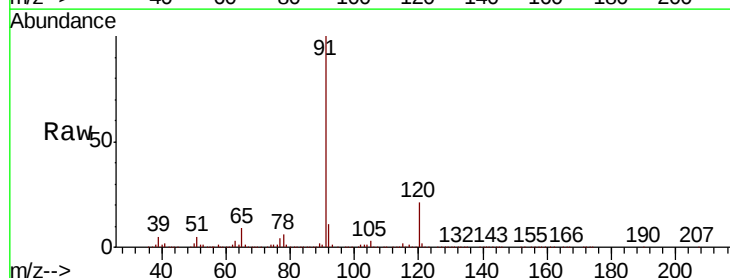
Acq: 13 May 2019 15:28

Tgt Ion: 91 Resp: 995144

Ion Ratio Lower Upper

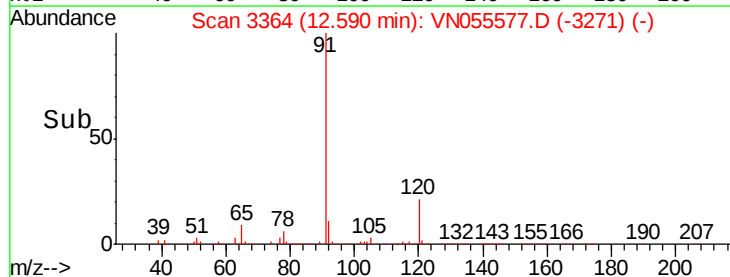
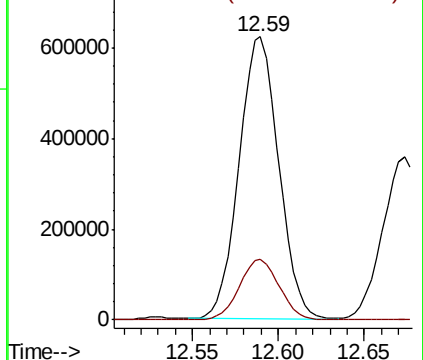
91 100

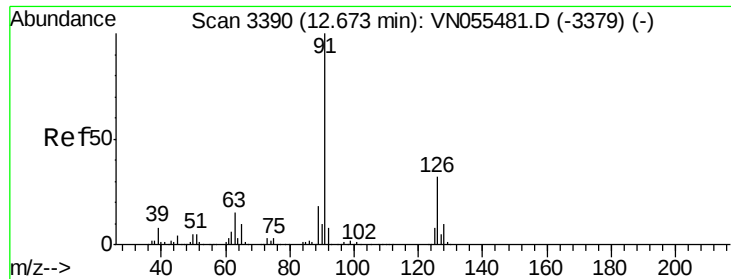
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.440 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

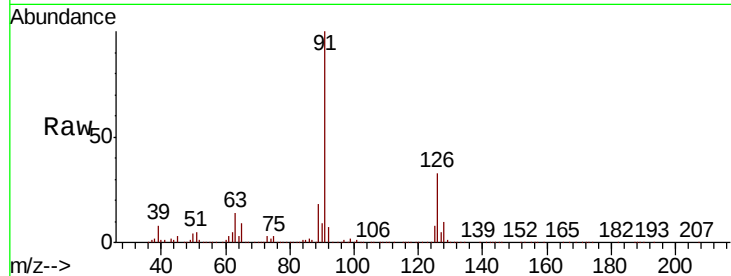
VN0513WBSD01

Tot Ion: 91 Resp: 593370

Ion Ratio Lower Upper

91 100

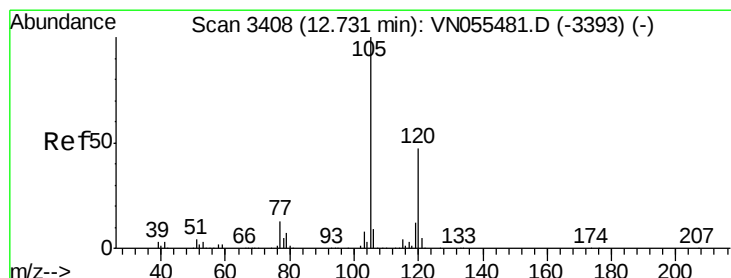
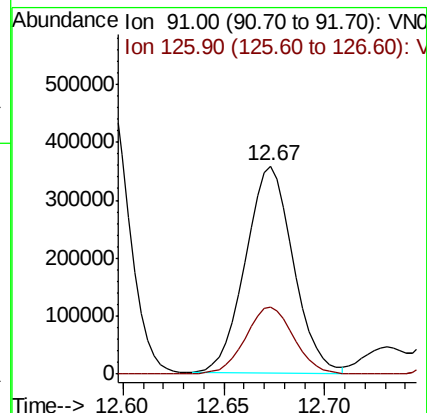
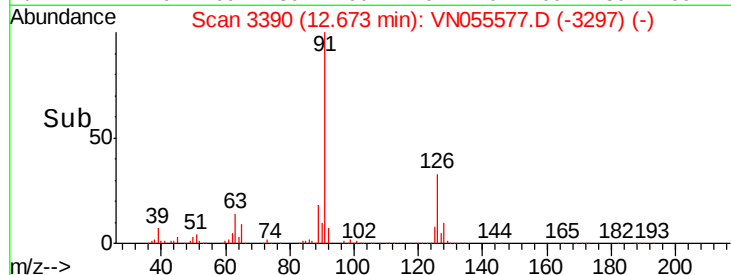
126 33.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.634 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055577.D

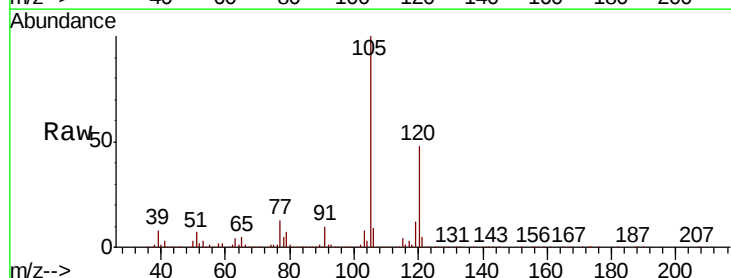
Acq: 13 May 2019 15:28

Tgt Ion: 105 Resp: 717393

Ion Ratio Lower Upper

105 100

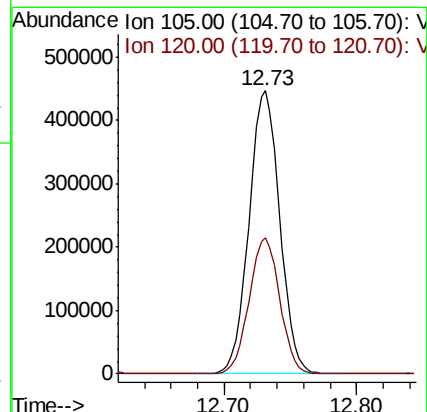
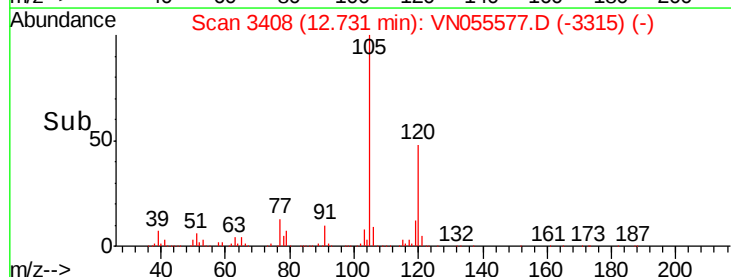
120 47.7 23.4 70.0

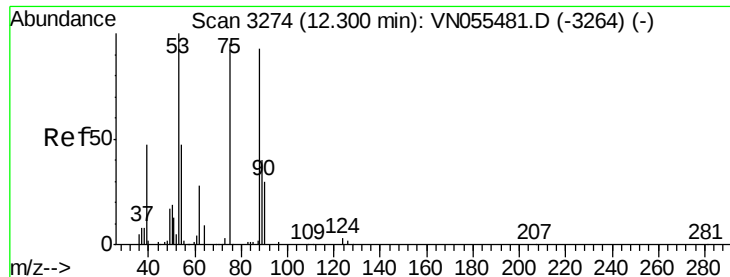


Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.153 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

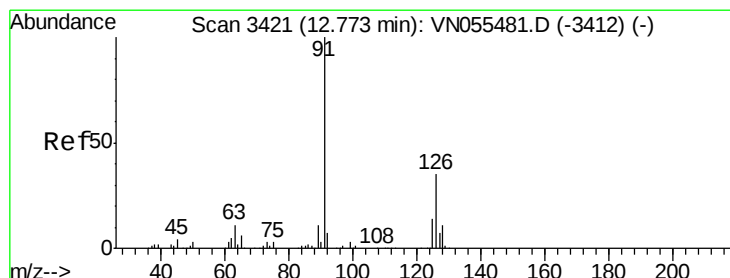
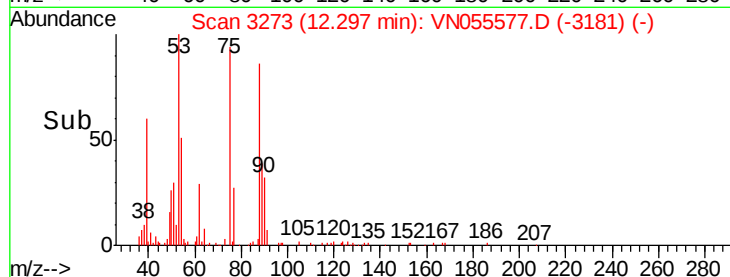
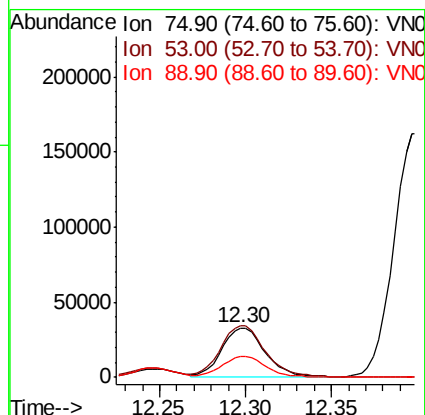
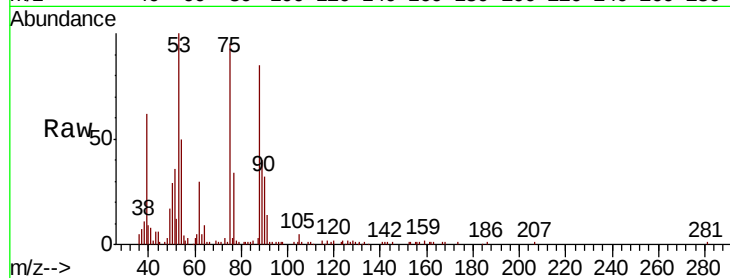
Tot Ion: 75 Resp: 57371

Ion Ratio Lower Upper

75 100

53 108.8 86.5 129.7

89 41.6 35.7 53.5



#82

4-Chlorotoluene

Concen: 19.333 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055577.D

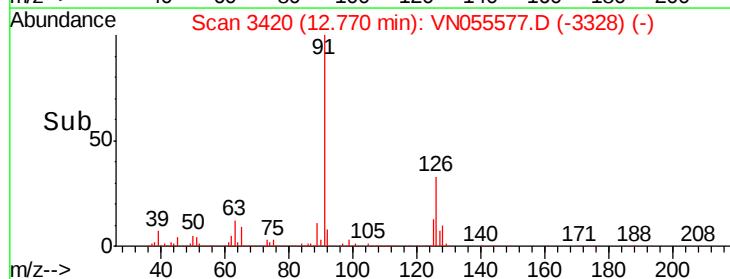
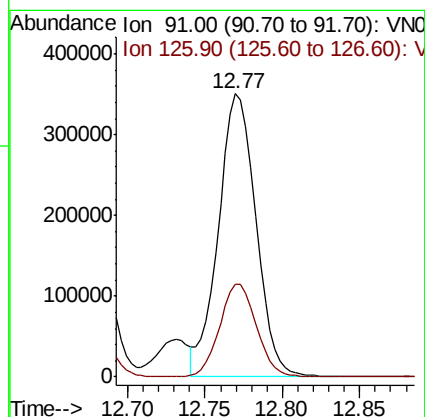
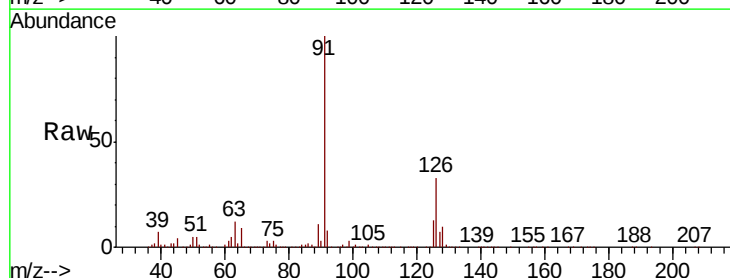
Acq: 13 May 2019 15:28

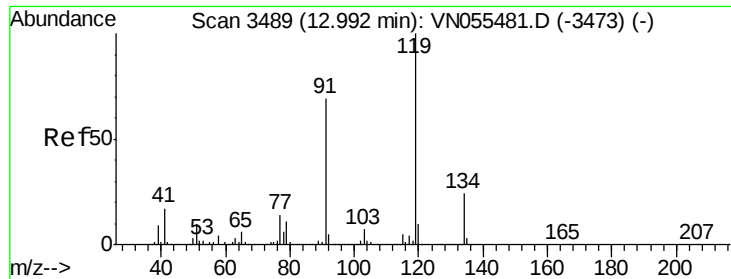
Tgt Ion: 91 Resp: 587804

Ion Ratio Lower Upper

91 100

126 32.5 15.7 47.0

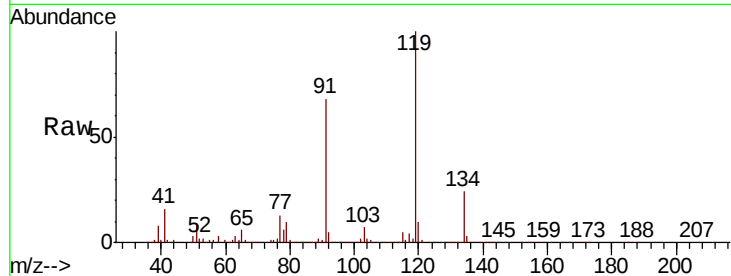




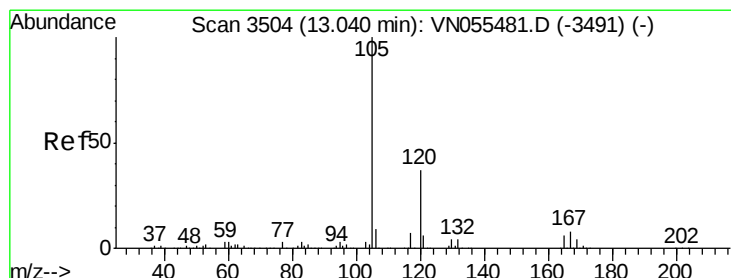
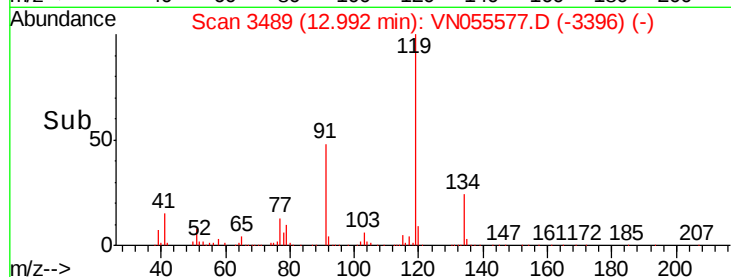
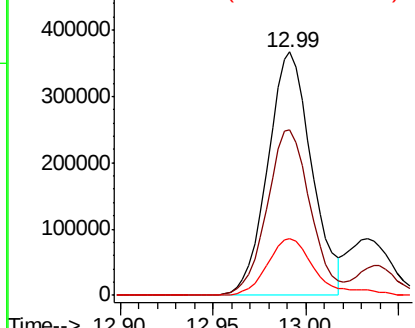
#83
tert-Butylbenzene
Concen: 18.291 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN0513WBSD01

Tot Ion:119 Resp: 603610
Ion Ratio Lower Upper
119 100
91 67.2 33.8 101.3
134 25.7 12.5 37.5

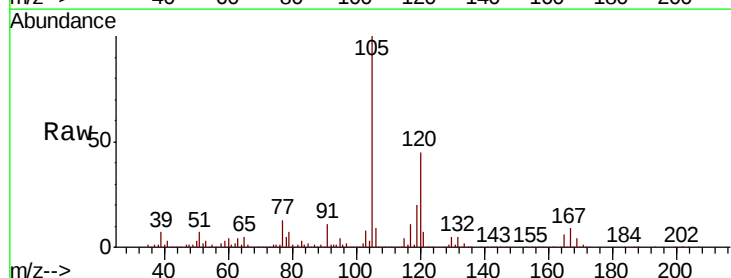


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

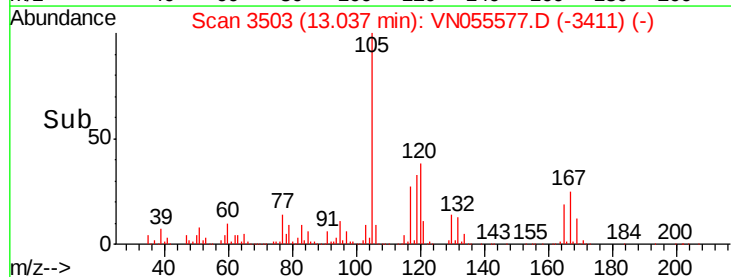
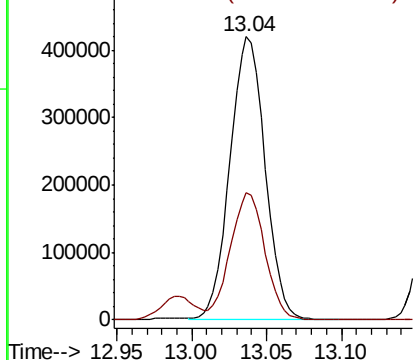


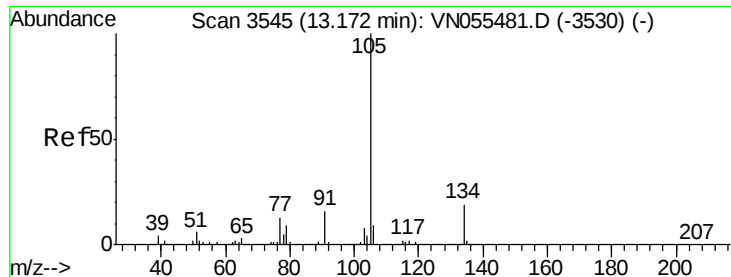
#84
1,2,4-Trimethylbenzene
Concen: 19.405 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055577.D
Acq: 13 May 2019 15:28

Tgt Ion:105 Resp: 685168
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.360 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

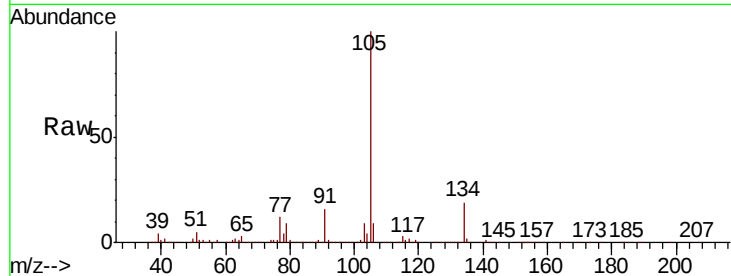
VN0513WBSD01

Tot Ion:105 Resp: 805209

Ion Ratio Lower Upper

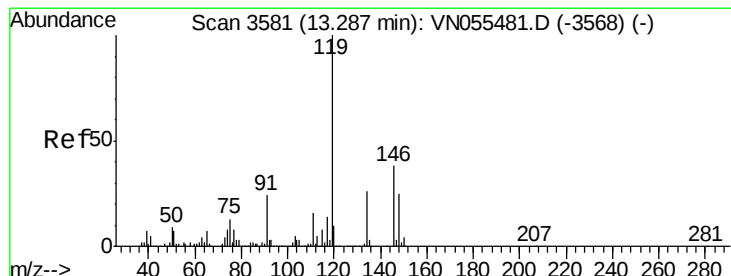
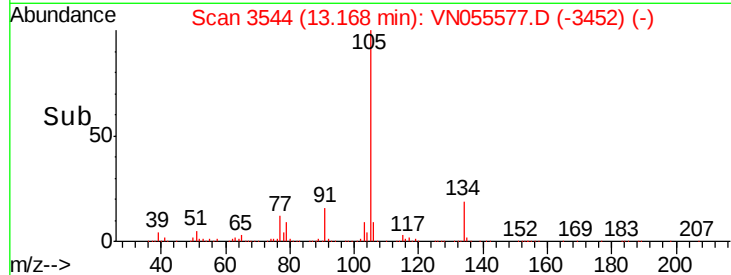
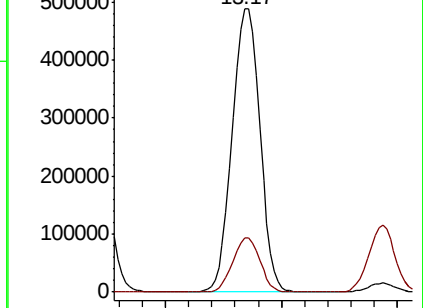
105 100

134 18.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.354 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

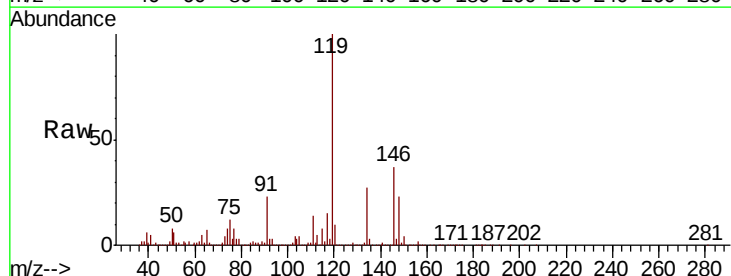
Tgt Ion:119 Resp: 690793

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

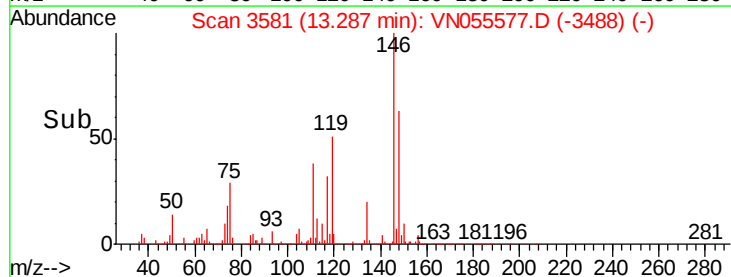
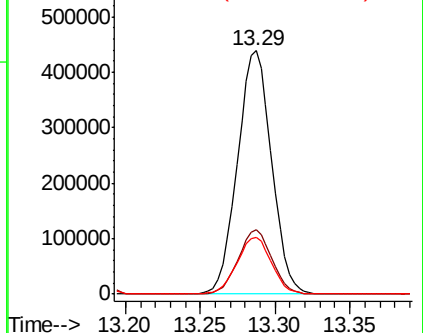
91 23.5 12.0 36.0

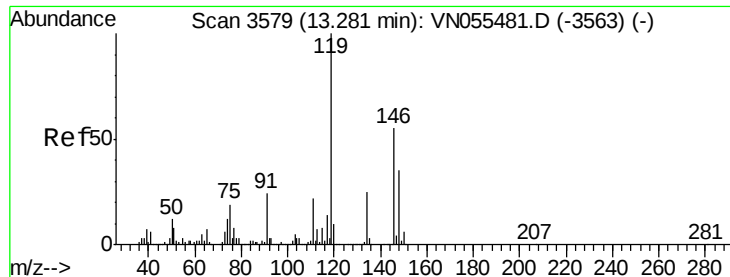


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.489 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

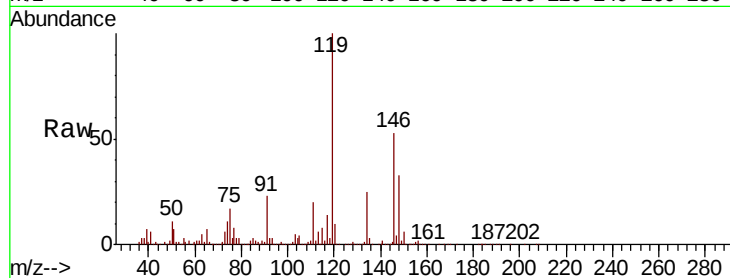
Tot Ion:146 Resp: 335870

Ion Ratio Lower Upper

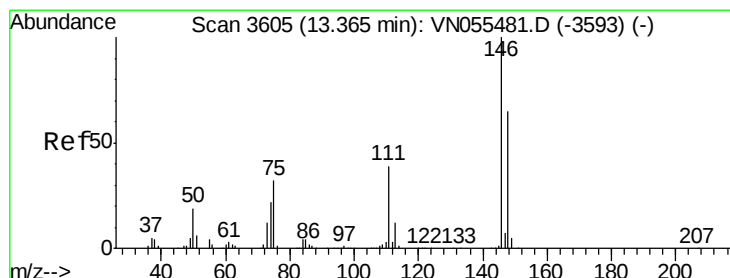
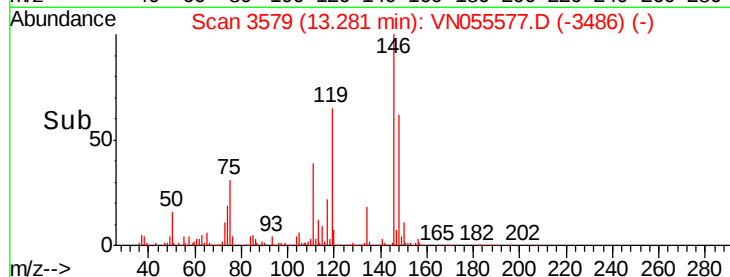
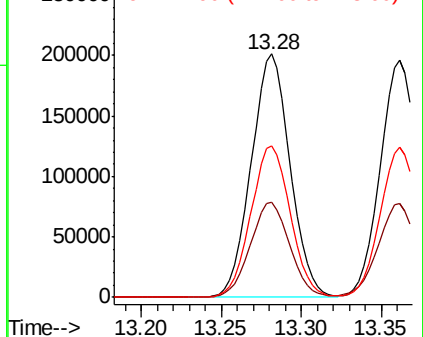
146 100

111 39.2 20.4 61.3

148 63.1 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: 20.169 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

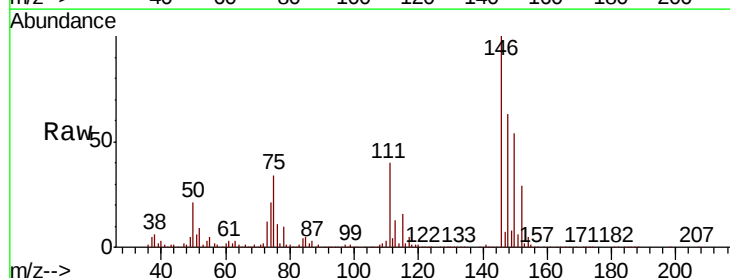
Tgt Ion:146 Resp: 326291

Ion Ratio Lower Upper

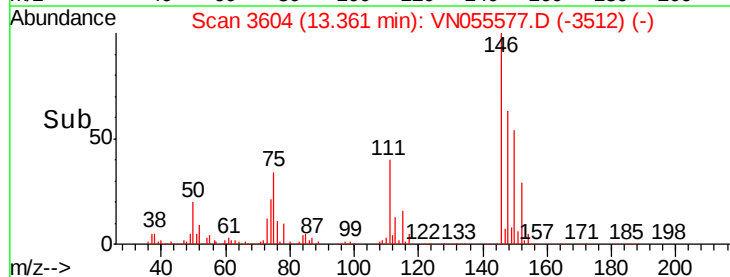
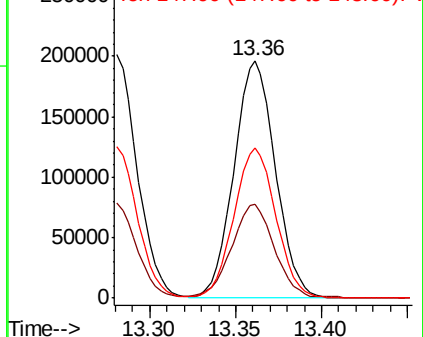
146 100

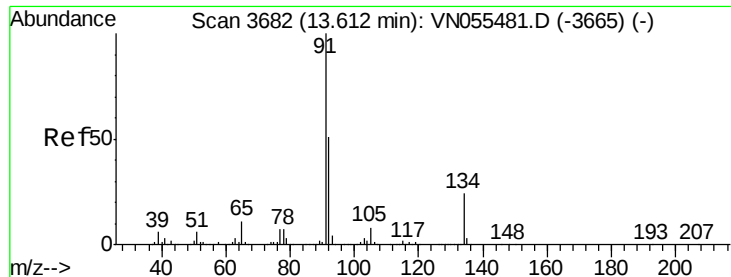
111 40.7 19.6 58.8

148 64.6 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: 19.271 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

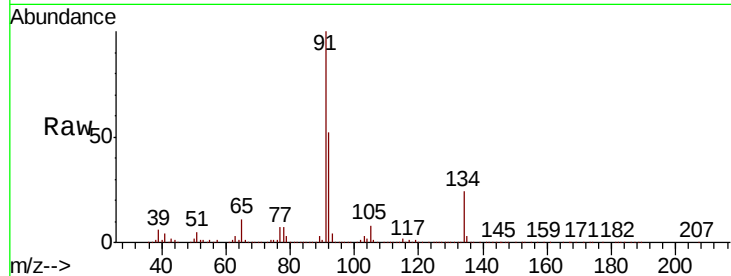
Tot Ion: 91 Resp: 533153

Ion Ratio Lower Upper

91 100

92 53.4 25.9 77.7

134 24.5 11.8 35.4

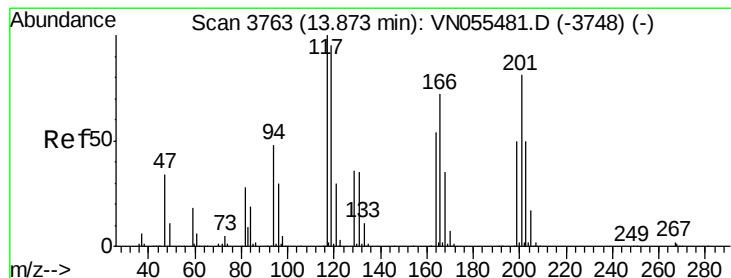
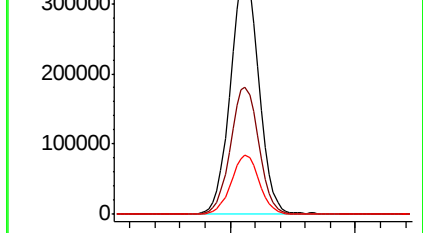
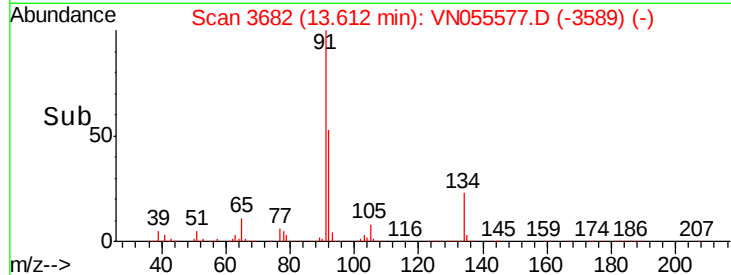


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time-->



#90

Hexachloroethane

Concen: 17.321 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055577.D

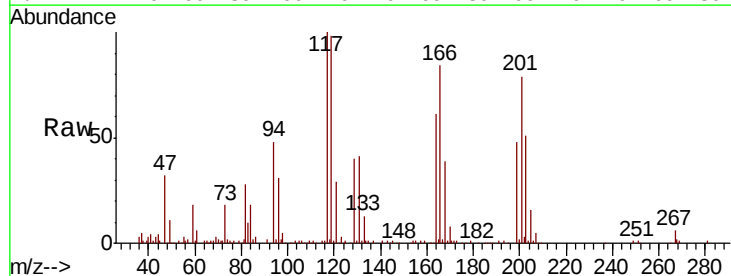
Acq: 13 May 2019 15:28

Tgt Ion: 117 Resp: 100851

Ion Ratio Lower Upper

117 100

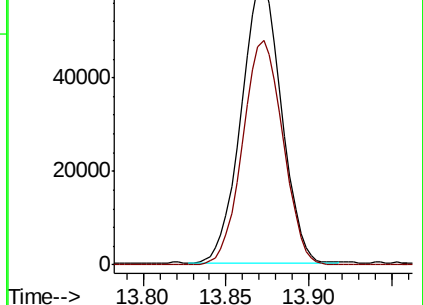
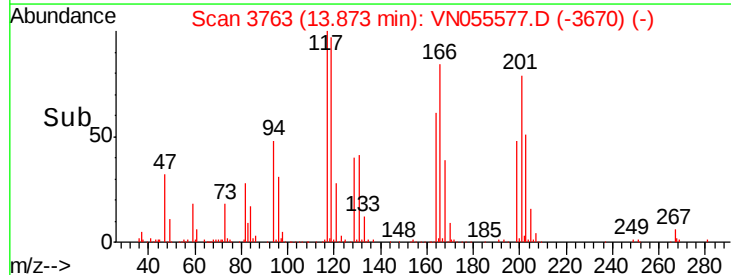
201 80.3 40.1 120.2

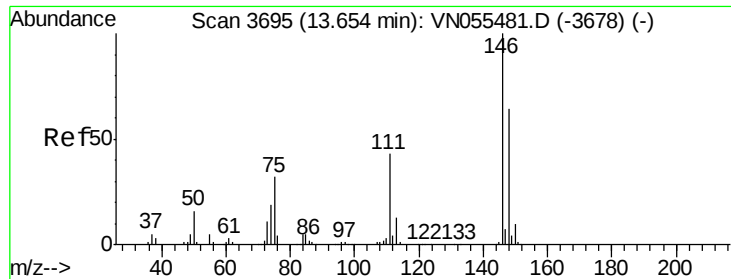


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

Time-->

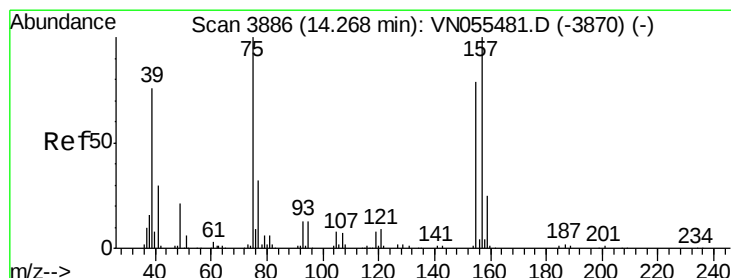
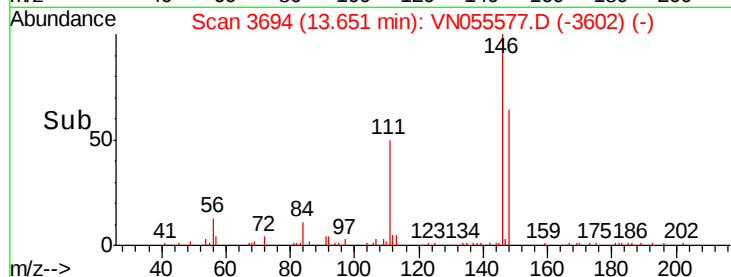
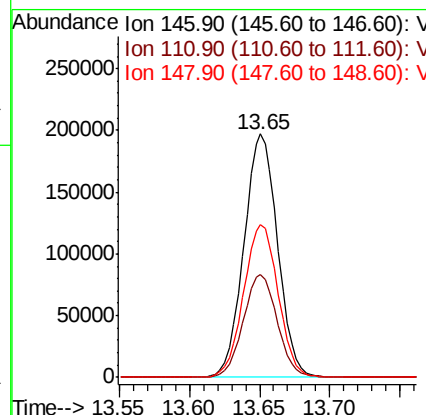
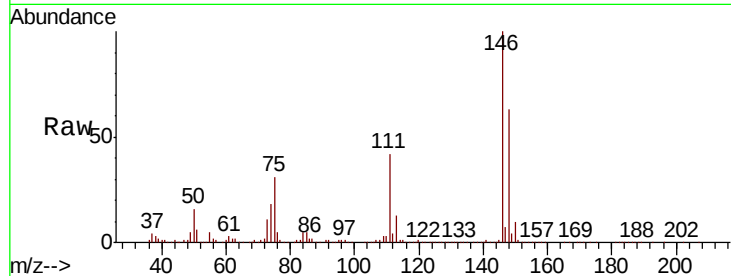




#91
 1,2-Dichlorobenzene
 Concen: 20.083 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

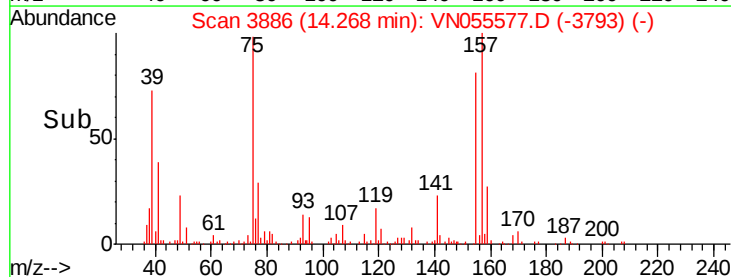
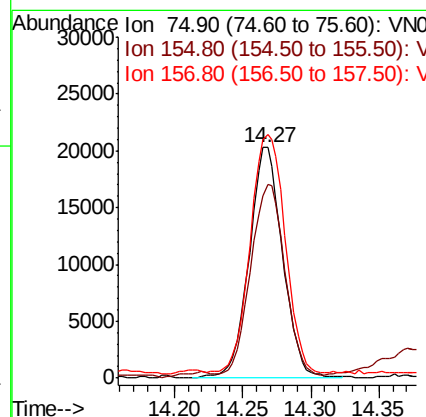
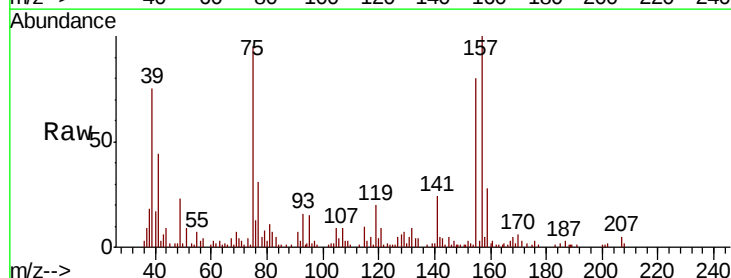
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

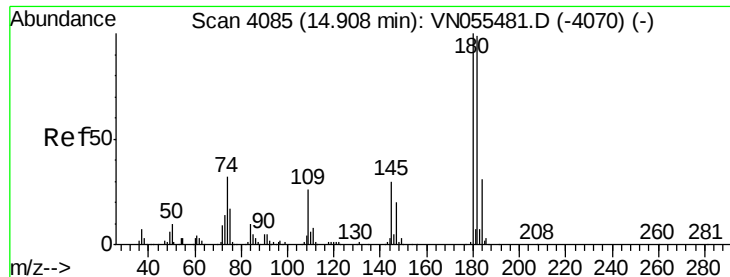
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	64.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.672 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	39.3	117.8
157	106.7	50.6	151.8

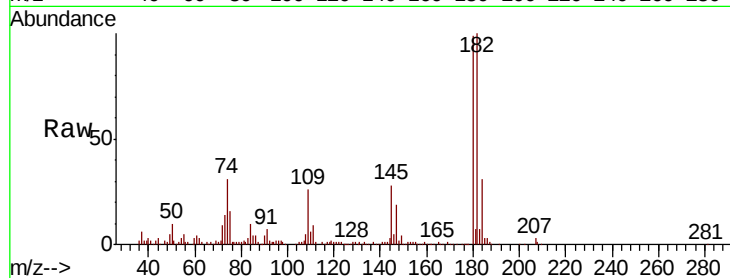




#93
 1,2,4-Trichlorobenzene
 Concen: 20.461 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.7	146.1
145	28.6	15.3	45.9

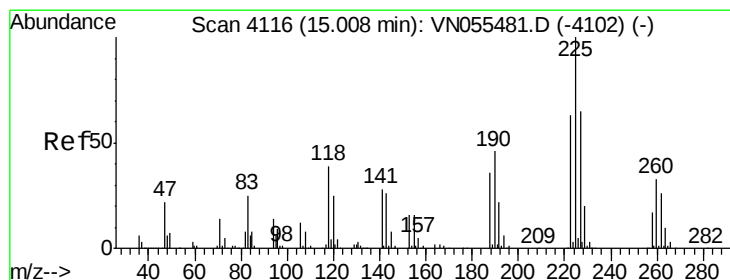
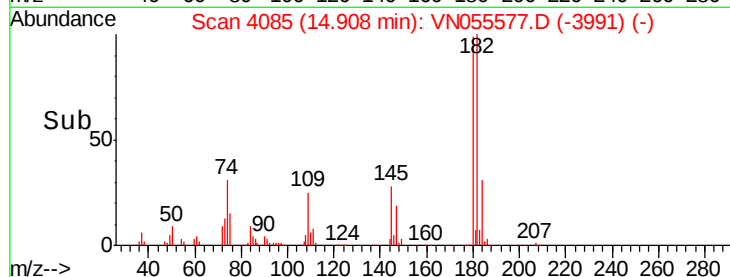
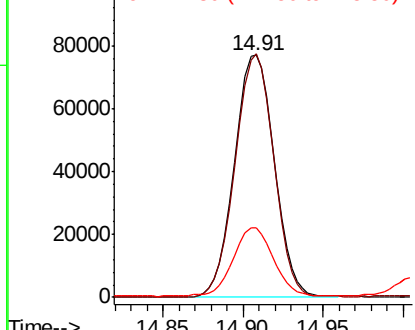


Abundance

Ion 179.80 (179.50 to 180.50): V

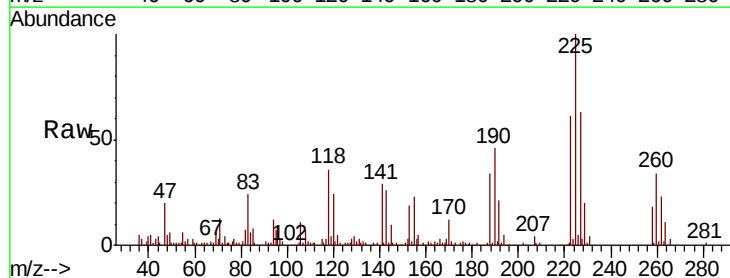
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.781 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055577.D
 Acq: 13 May 2019 15:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.3
227	63.7	32.0	96.0

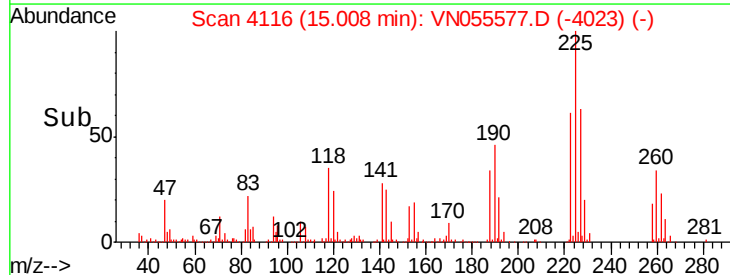
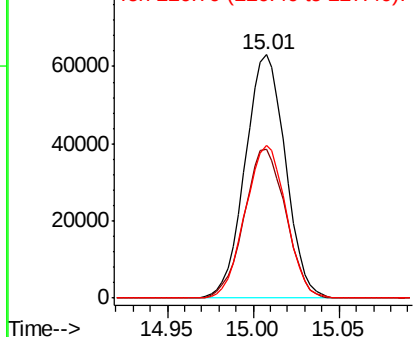


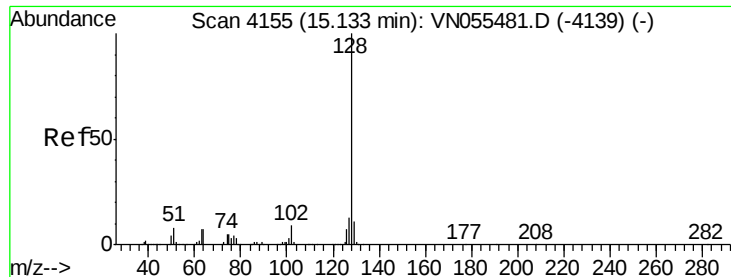
Abundance

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: 19.197 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN0513WBSD01

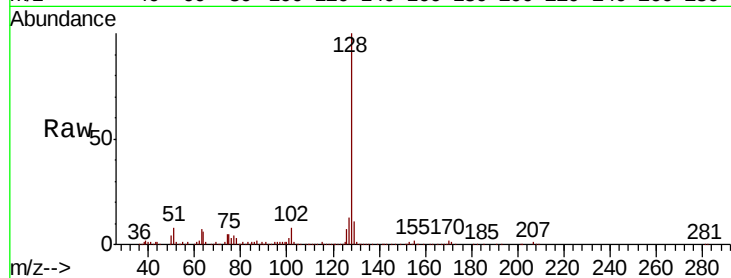
Tot Ion:128 Resp: 346730

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

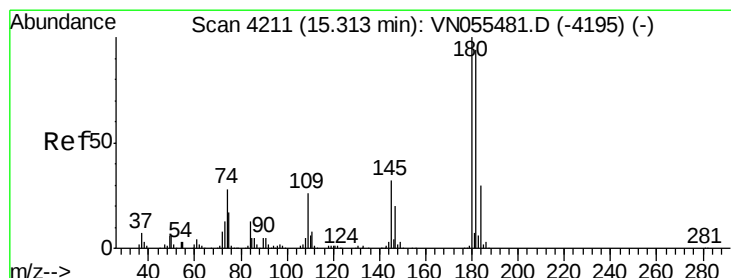
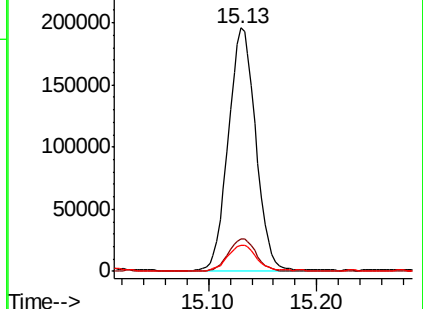
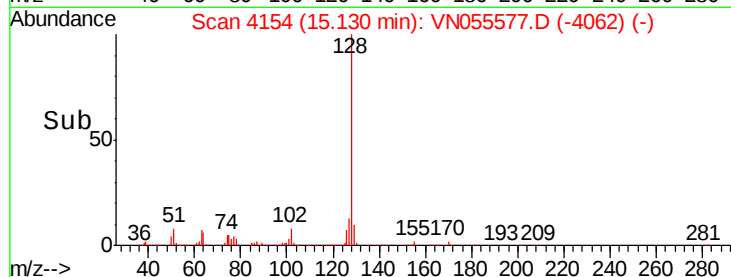
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.115 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055577.D

Acq: 13 May 2019 15:28

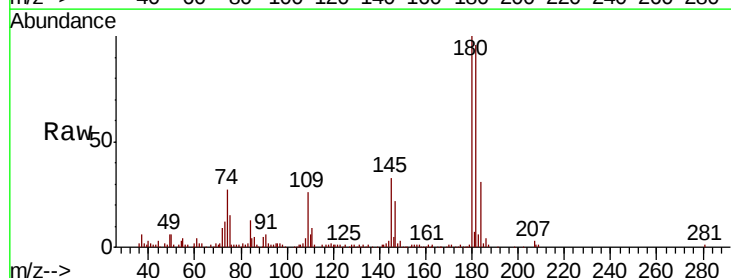
Tgt Ion:180 Resp: 143630

Ion Ratio Lower Upper

180 100

182 96.6 47.1 141.3

145 32.3 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

