

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055511.D
 Acq On : 9 May 2019 21:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1239631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1082625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	458123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	520793	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.59	113	404258	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.09	98	1592613	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	545609	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	329638	45.226	ug/l	100
3) Chloromethane	2.06	50	523572	44.216	ug/l	99
4) Vinyl Chloride	2.19	62	517266	46.277	ug/l	99
5) Bromomethane	2.54	94	273668	44.686	ug/l	99
6) Chloroethane	2.69	64	319050	49.003	ug/l	99
7) Trichlorofluoromethane	3.01	101	596559	48.649	ug/l	100
8) Diethyl Ether	3.41	74	271071	49.222	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371224	47.582	ug/l	100
10) Methyl Iodide	3.95	142	447270	42.416	ug/l	98
11) Tert butyl alcohol	4.81	59	345073	216.817	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	377023	48.186	ug/l	99
13) Acrolein	3.61	56	222535	209.800	ug/l	98
14) Allyl chloride	4.32	41	747799	46.656	ug/l	99
15) Acrylonitrile	4.99	53	1139915	231.307	ug/l	99
16) Acetone	3.82	43	973468	195.044	ug/l	96
17) Carbon Disulfide	4.05	76	1015582	47.557	ug/l	100
18) Methyl Acetate	4.33	43	474647	45.212	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1270888	48.882	ug/l	97
20) Methylene Chloride	4.55	84	464174	45.481	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	414251	48.832	ug/l	95
22) Diisopropyl ether	5.96	45	1594790	48.964	ug/l	97
23) Vinyl Acetate	5.90	43	6270484	248.941	ug/l	100
24) 1,1-Dichloroethane	5.85	63	844705	48.043	ug/l	99
25) 2-Butanone	6.84	43	1547060	224.391	ug/l	99
26) 2,2-Dichloropropane	6.82	77	516060	47.084	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	484181	49.386	ug/l	99
28) Bromochloromethane	7.19	49	457375	50.092	ug/l	96
29) Tetrahydrofuran	7.22	42	1032885	226.618	ug/l	99
30) Chloroform	7.37	83	794302	48.869	ug/l	98
31) Cyclohexane	7.65	56	789607	45.390	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	615742	49.747	ug/l	100
36) 1,1-Dichloropropene	7.79	75	605211	49.557	ug/l	99
37) Ethyl Acetate	6.93	43	627229	47.083	ug/l	98
38) Carbon Tetrachloride	7.77	117	493537	47.993	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	704334	47.302	ug/l	98
40) Benzene	8.04	78	1847087	48.733	ug/l	99
41) Methacrylonitrile	7.18	41	263802	42.665	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	631093	47.393	ug/l	99
43) Isopropyl Acetate	8.17	43	981823	48.511	ug/l #	88
44) Trichloroethene	8.83	130	441247	48.927	ug/l	95
45) 1,2-Dichloropropane	9.12	63	526452	48.544	ug/l	99
46) Dibromomethane	9.21	93	307735	48.955	ug/l	99
47) Bromodichloromethane	9.40	83	601927	50.054	ug/l	96
48) Methyl methacrylate	9.20	41	474159	48.625	ug/l	99
49) 1,4-Dioxane	9.20	88	173027	910.397	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3092282	232.312	ug/l	99
52) Toluene	10.16	92	1098152	50.679	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	607185	52.571	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	718713	52.076	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	436739	49.746	ug/l	99
56) Ethyl methacrylate	10.43	69	656162	50.247	ug/l	98
57) 1,3-Dichloropropane	10.71	76	772773	49.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	914695	210.171	ug/l	99
59) 2-Hexanone	10.75	43	2100973	225.065	ug/l	99
60) Dibromochloromethane	10.90	129	413687	51.826	ug/l	100
61) 1,2-Dibromoethane	11.00	107	423072	50.155	ug/l	98
64) Tetrachloroethene	10.63	164	423290	47.716	ug/l	100
65) Chlorobenzene	11.43	112	1116582	50.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	393122	51.268	ug/l	100
67) Ethyl Benzene	11.51	91	2071946	49.529	ug/l	100
68) m/p-Xylenes	11.62	106	1516930	101.043	ug/l	99
69) o-Xylene	11.95	106	742176	50.298	ug/l	100
70) Styrene	11.96	104	1246769	52.740	ug/l	100
71) Bromoform	12.13	173	270372	52.252	ug/l	98
73) Isopropylbenzene	12.25	105	1974050	52.377	ug/l	99
74) N-amyl acetate	12.07	43	795416	45.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	616665	50.218	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	735334	58.960	ug/l #	100
77) Bromobenzene	12.53	156	453919	44.960	ug/l	97
78) n-propylbenzene	12.59	91	2250328	45.798	ug/l	100
79) 2-Chlorotoluene	12.67	91	1359604	44.399	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1675647	45.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	152428	45.097	ug/l	98
82) 4-Chlorotoluene	12.77	91	1340040	46.312	ug/l	98
83) tert-Butylbenzene	12.99	119	1384275	44.079	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1607661	47.844	ug/l	100
85) sec-Butylbenzene	13.17	105	1879699	45.037	ug/l	100
86) p-Isopropyltoluene	13.29	119	1606943	47.308	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	763242	48.923	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	742868	48.250	ug/l	99
89) n-Butylbenzene	13.61	91	1280316	48.627	ug/l	99
90) Hexachloroethane	13.87	117	253518	45.753	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	759770	48.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	94380	44.801	ug/l	96

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QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

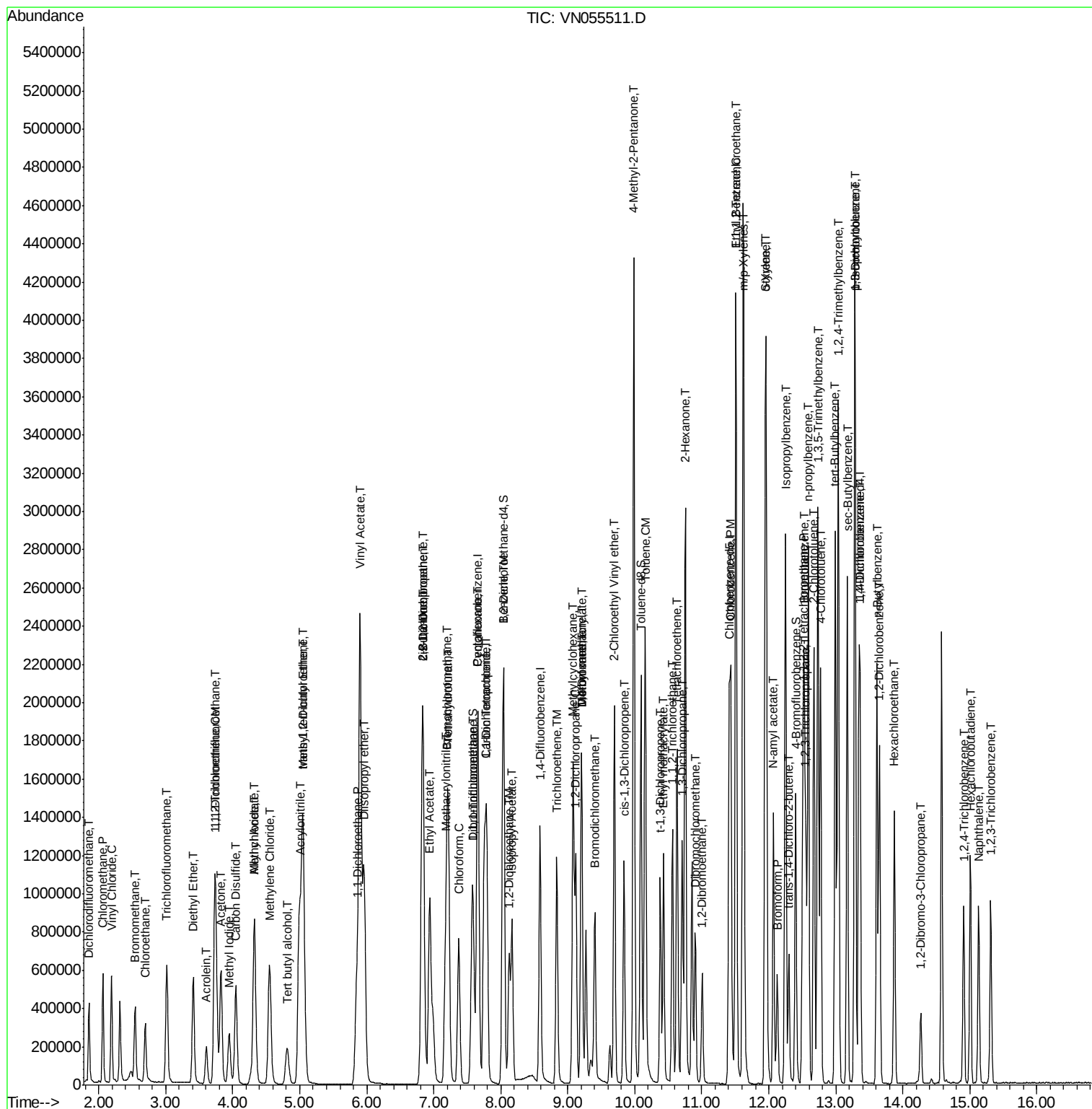
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	298531	44.360	ug/l	99
94) Hexachlorobutadiene	15.01	225	238974	51.879	ug/l	99
95) Naphthalene	15.13	128	789475	41.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	325634	44.571	ug/l	99

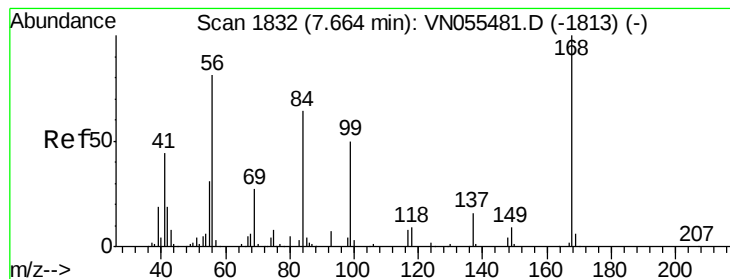
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

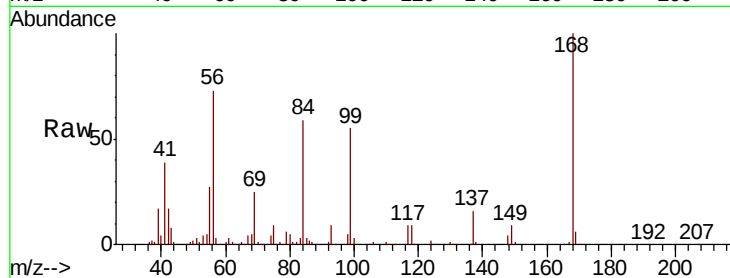
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 715898

Ion Ratio Lower Upper

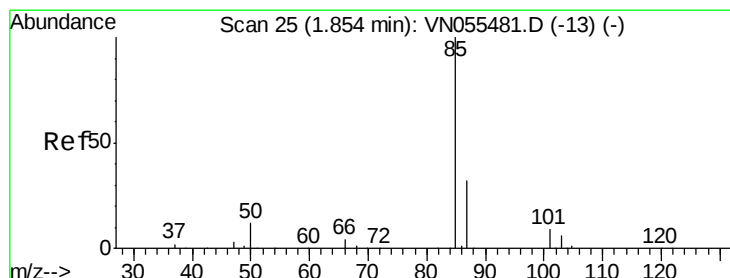
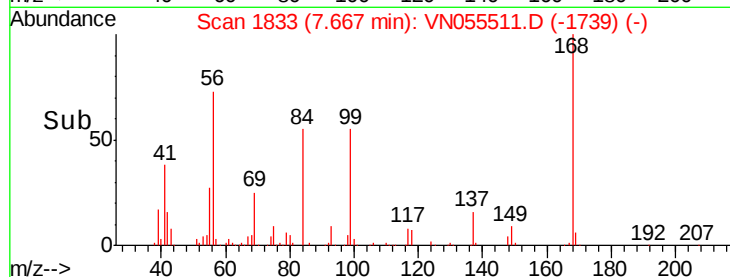
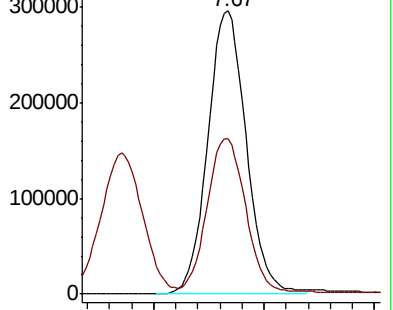
168 100

99 54.0 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.226 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055511.D

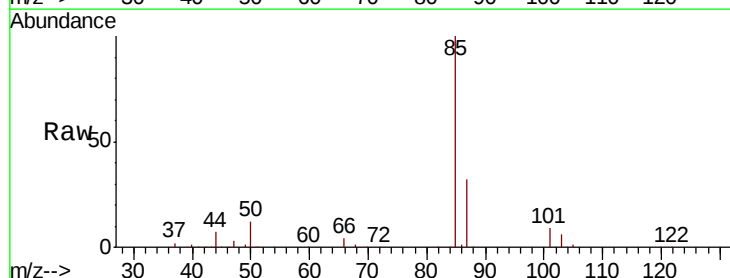
Acq: 9 May 2019 21:29

Tgt Ion: 85 Resp: 329638

Ion Ratio Lower Upper

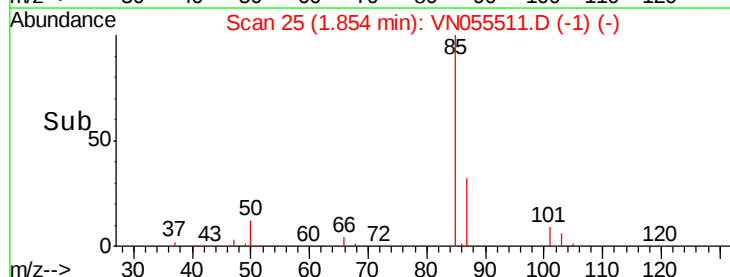
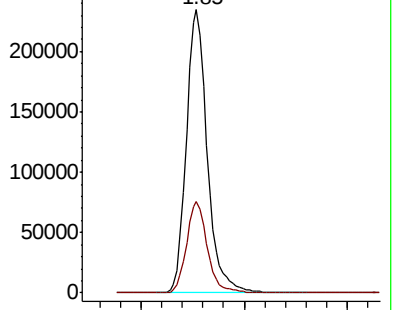
85 100

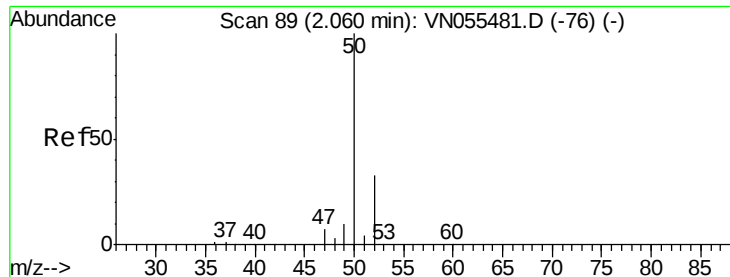
87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.216 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

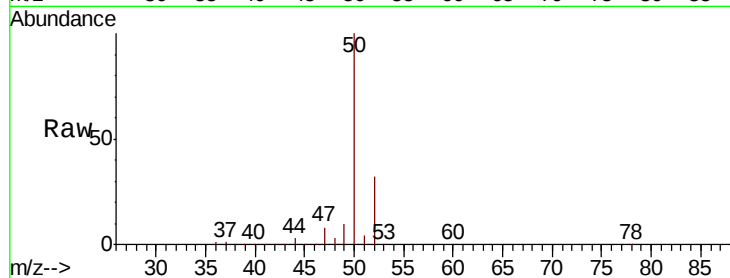
ClientSampled :

Tot Ion: 50 Resp: 523572

Ion Ratio Lower Upper

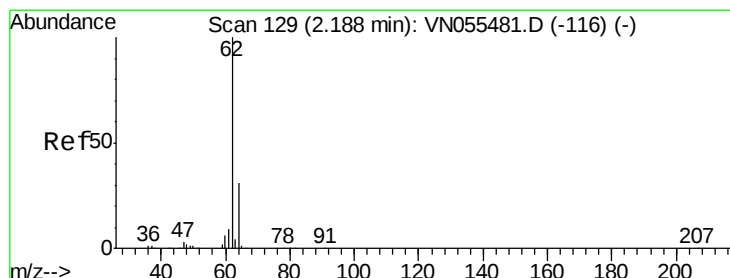
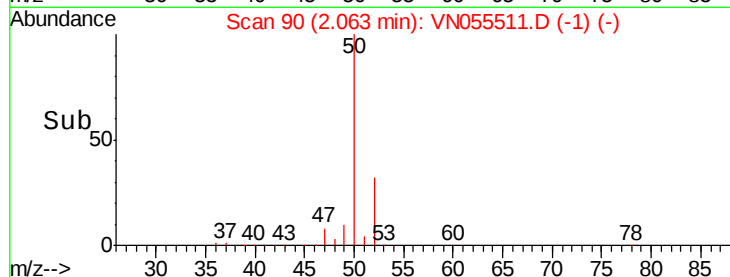
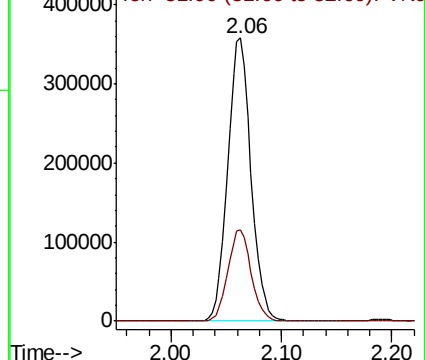
50 100

52 32.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.277 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055511.D

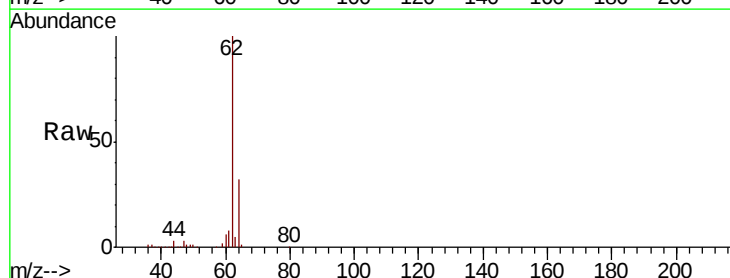
Acq: 9 May 2019 21:29

Tgt Ion: 62 Resp: 517266

Ion Ratio Lower Upper

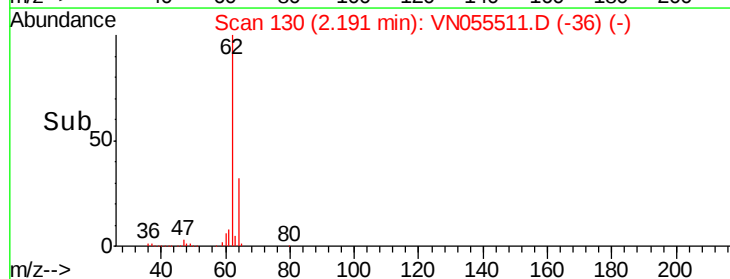
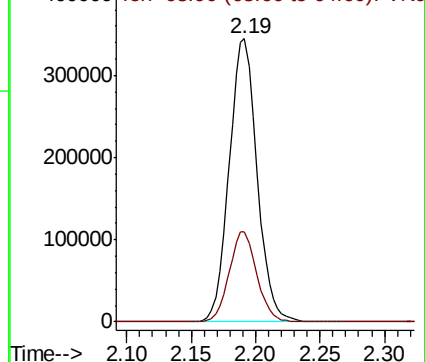
62 100

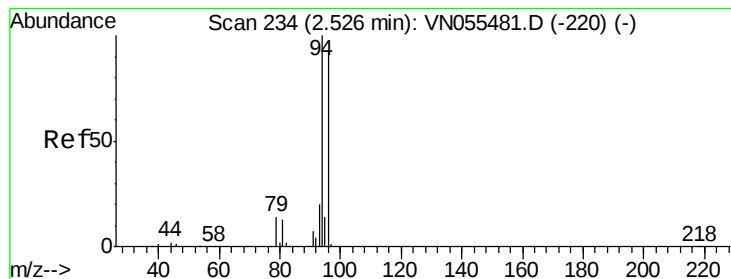
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.686 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

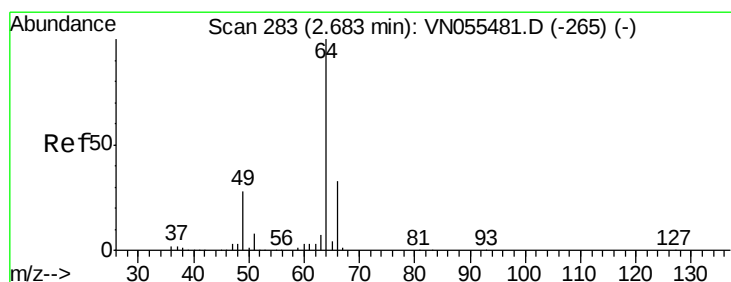
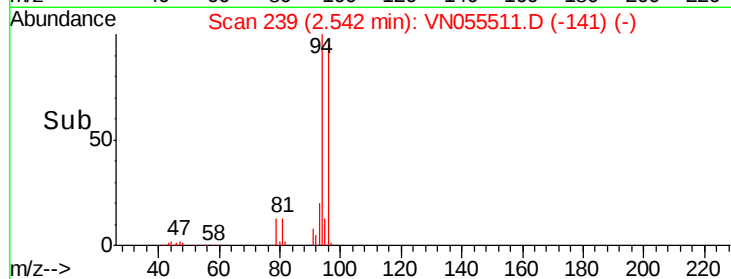
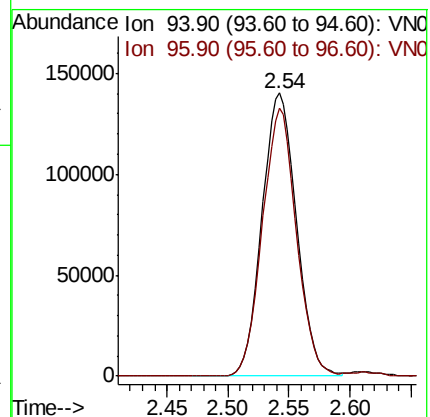
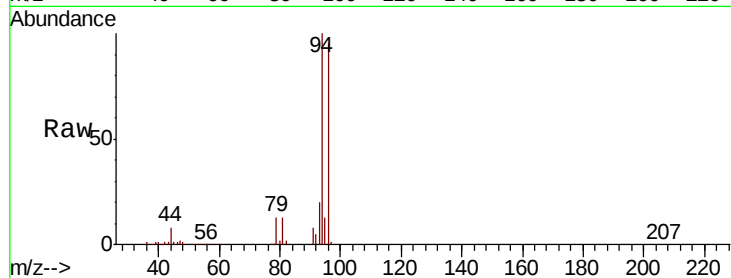
ClientSampleId :

Tot Ion: 94 Resp: 273668

Ion Ratio Lower Upper

94 100

96 94.8 74.8 112.2



#6

Chloroethane

Concen: 49.003 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055511.D

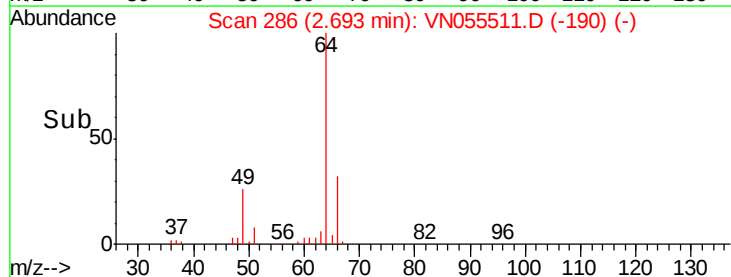
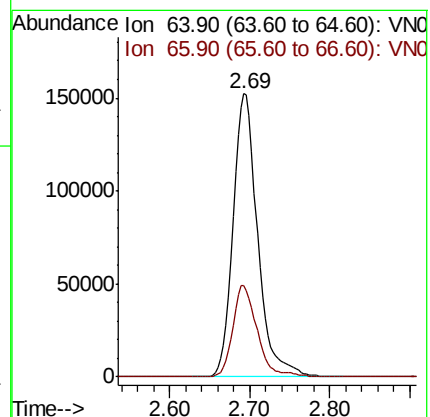
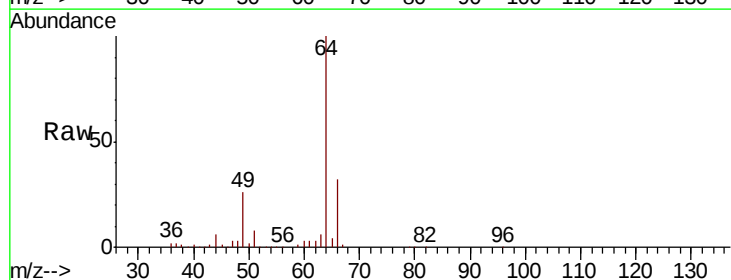
Acq: 9 May 2019 21:29

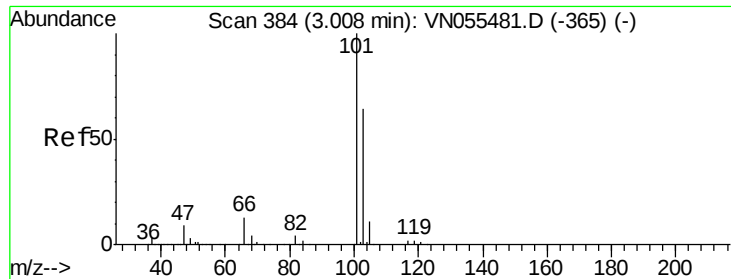
Tgt Ion: 64 Resp: 319050

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2



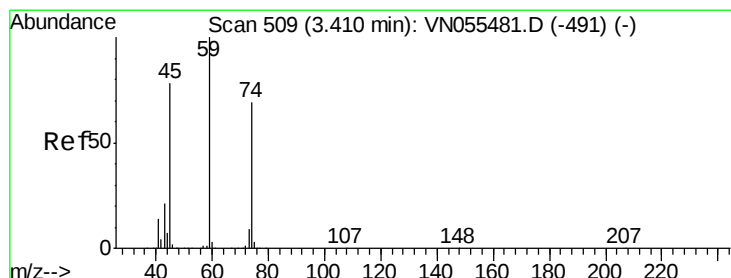
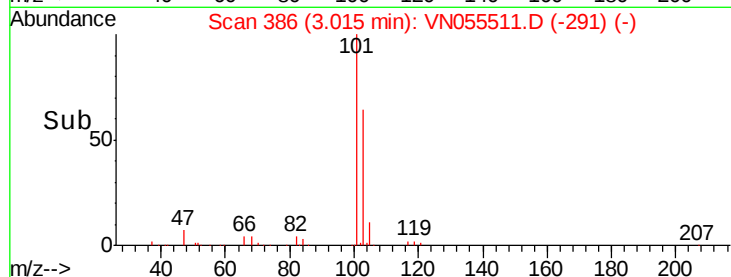
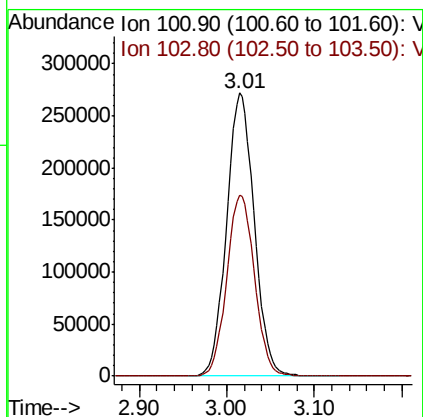
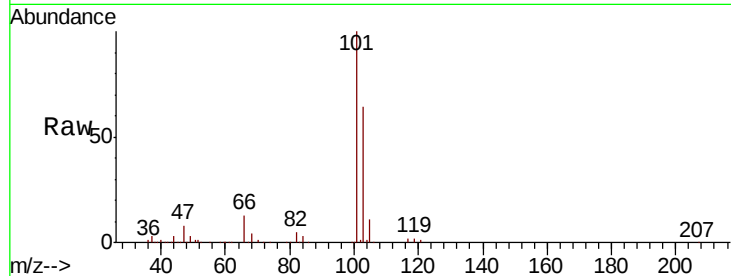


#7

Trichlorofluoromethane
 Concen: 48.649 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampled :

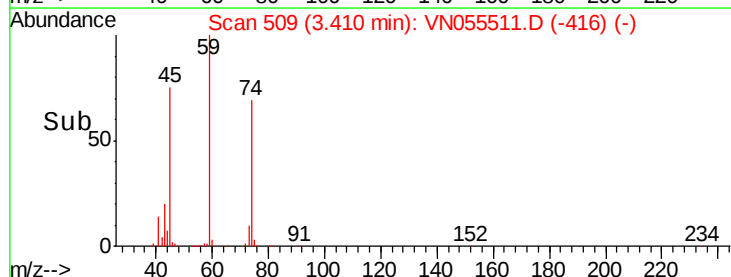
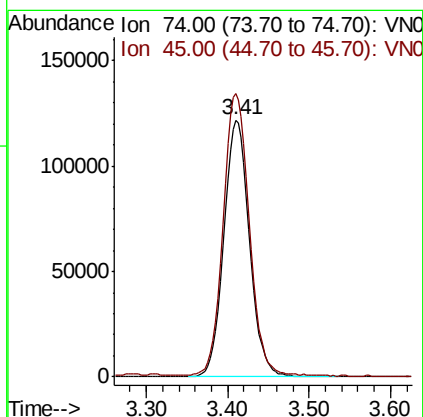
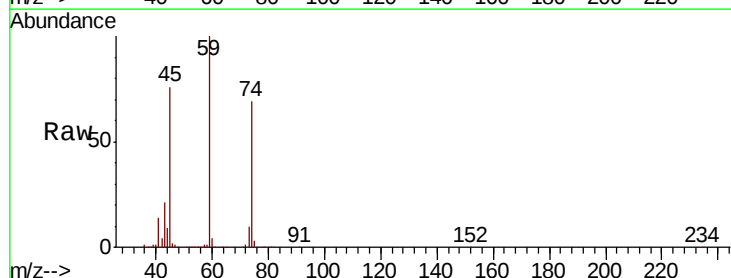
Tot Ion:101 Resp: 596559
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

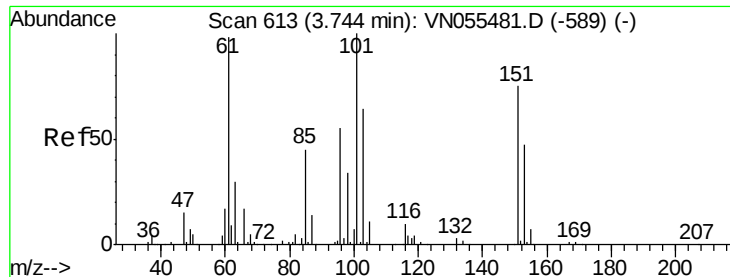


#8

Diethyl Ether
 Concen: 49.222 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 74 Resp: 271071
 Ion Ratio Lower Upper
 74 100
 45 111.3 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.582 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

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ClientSampleId :

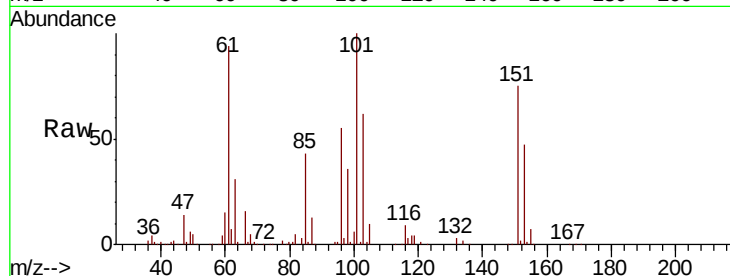
Tot Ion:101 Resp: 371224

Ion Ratio Lower Upper

101 100

85 44.6 35.5 53.3

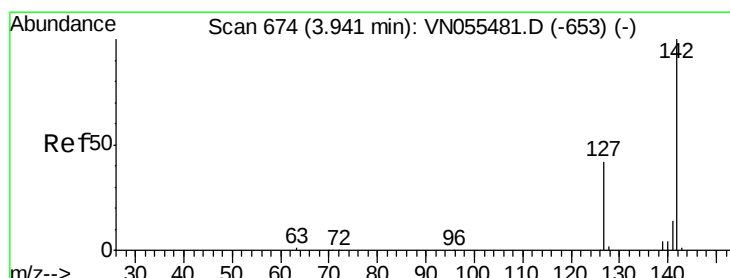
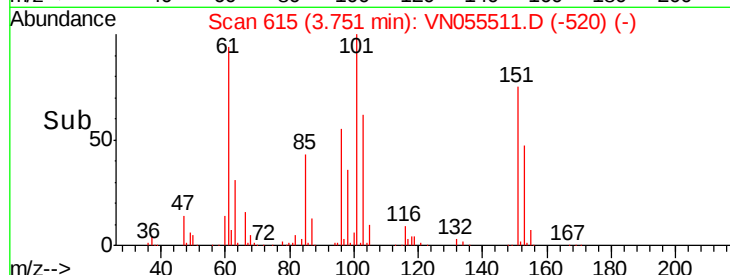
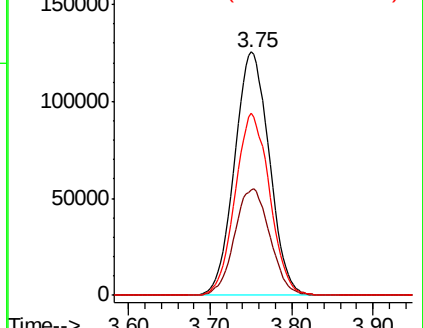
151 74.3 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.416 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

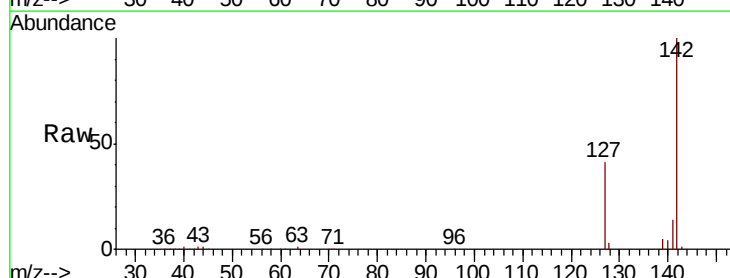
Tgt Ion:142 Resp: 447270

Ion Ratio Lower Upper

142 100

127 39.7 33.0 49.4

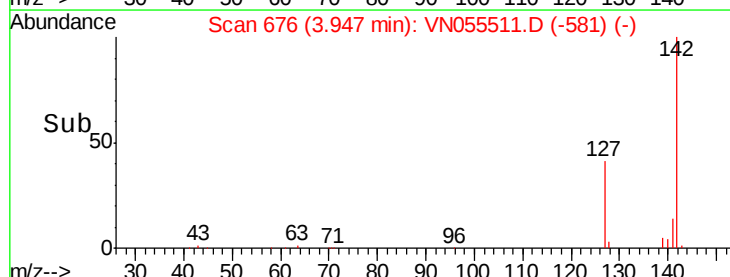
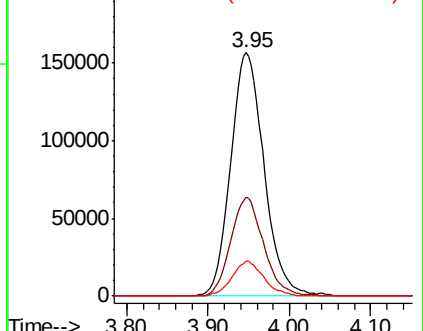
141 13.8 11.4 17.0

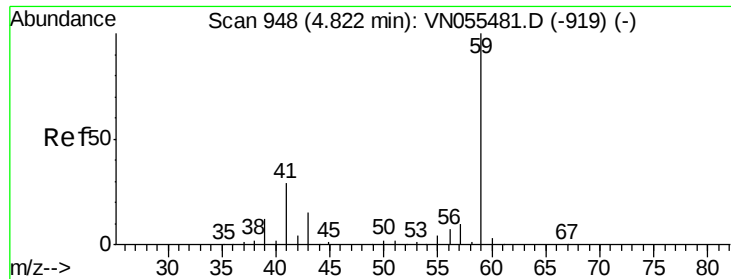


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



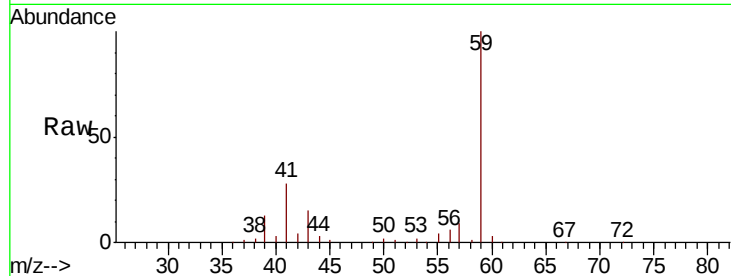


#11

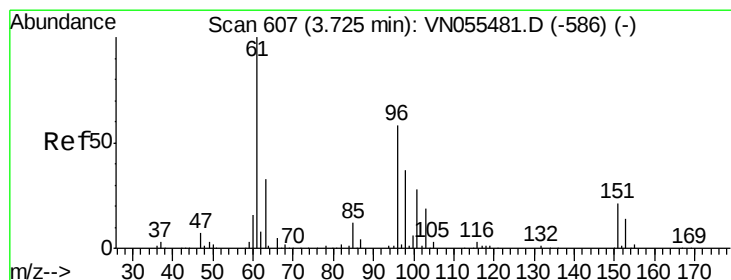
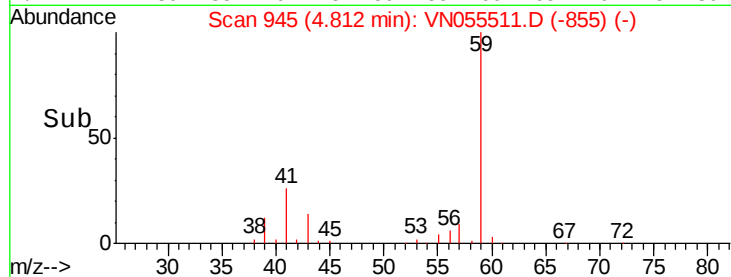
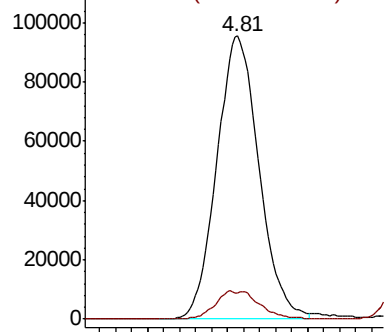
Tert butyl alcohol
Concen: 216.817 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 345073
Ion Ratio Lower Upper
59 100
57 4.7 8.0 12.0#



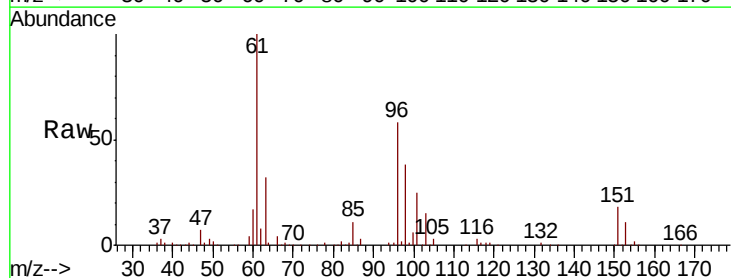
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0



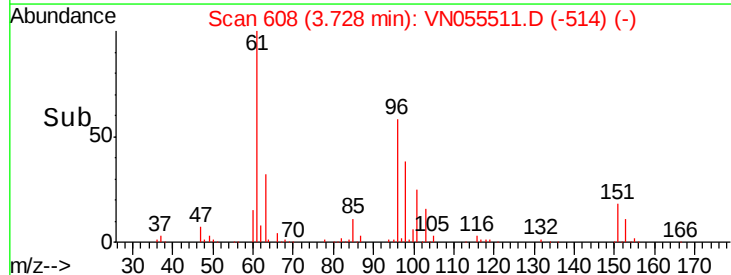
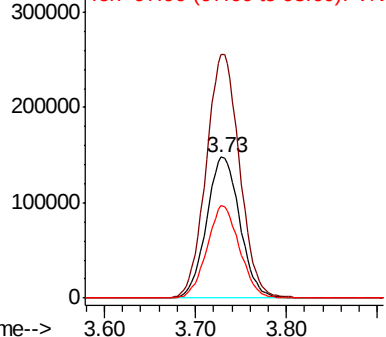
#12

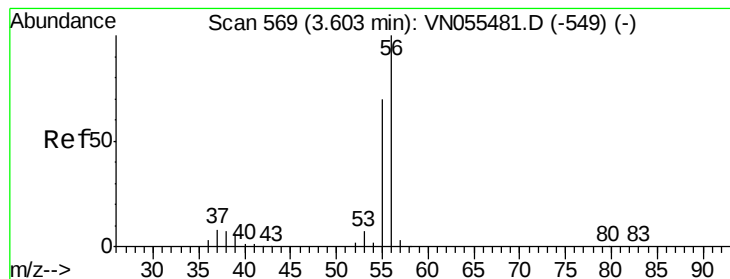
1,1-Dichloroethene
Concen: 48.186 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 96 Resp: 377023
Ion Ratio Lower Upper
96 100
61 172.9 138.7 208.1
98 65.4 50.6 76.0



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





#13

Acrolein

Concen: 209.800 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

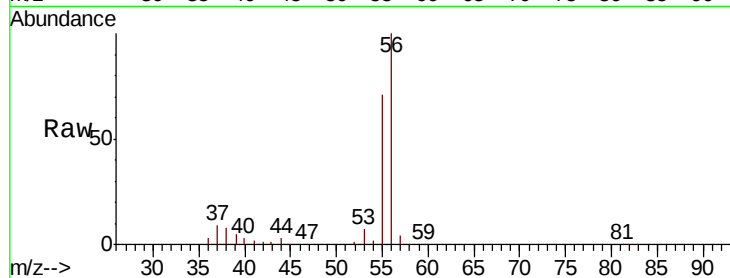
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 222535

Ion Ratio Lower Upper

56 100

55 70.8 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

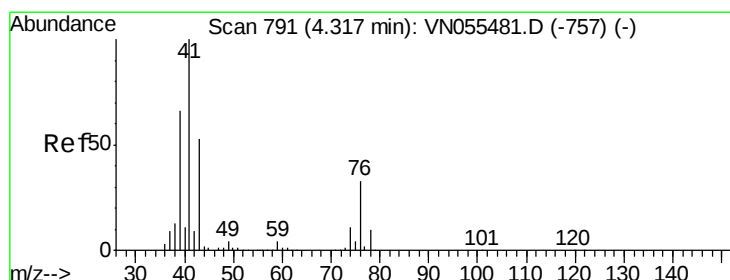
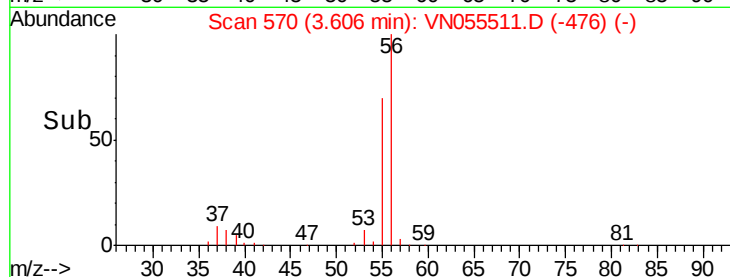
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 46.656 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

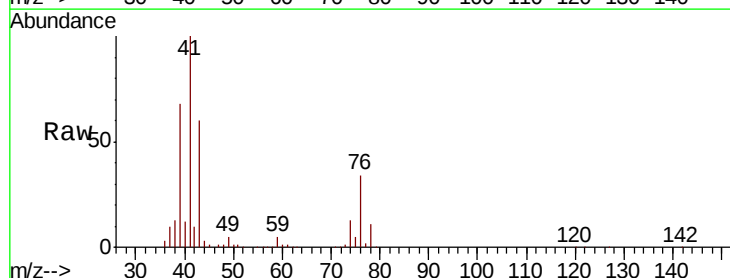
Tgt Ion: 41 Resp: 747799

Ion Ratio Lower Upper

41 100

39 62.5 49.8 74.8

76 30.3 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

300000

250000

200000

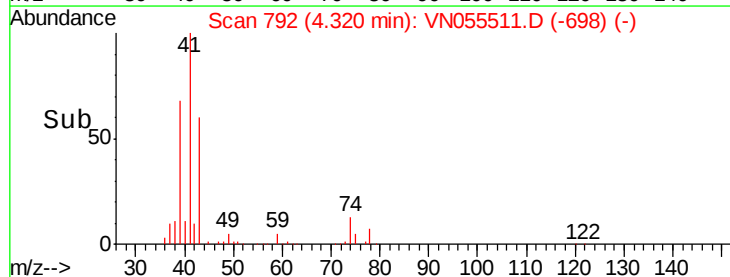
150000

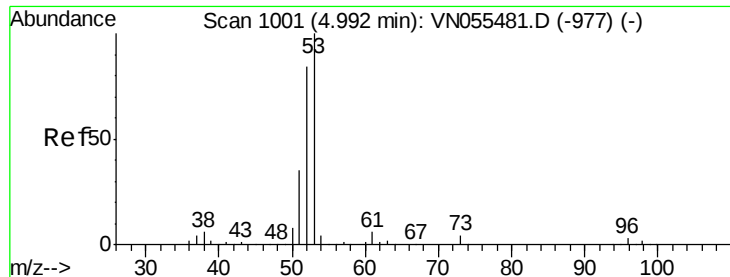
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 231.307 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

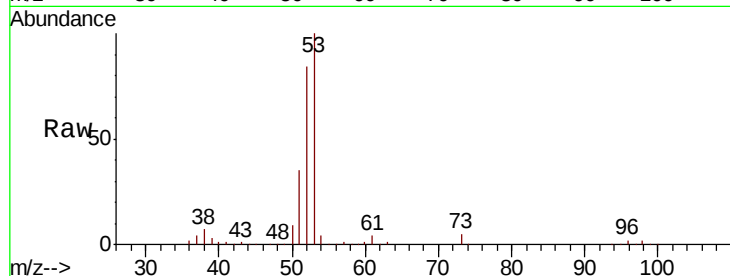
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1139915

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.1	99.1
51	35.7	28.3	42.5

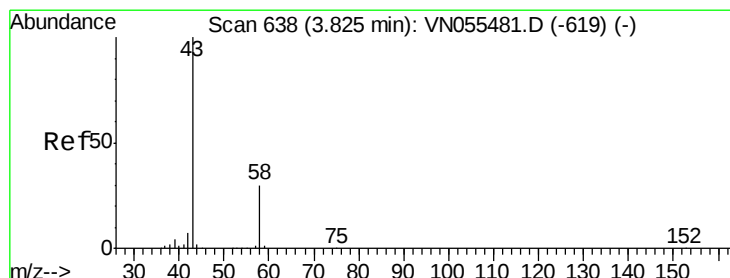
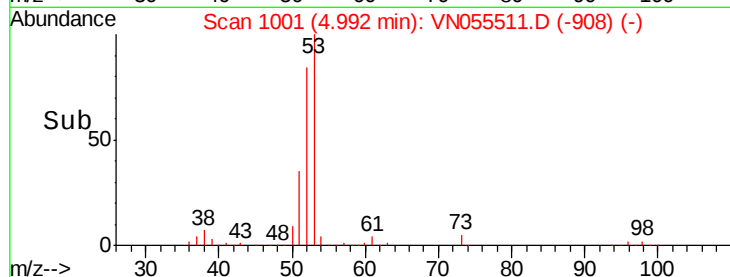
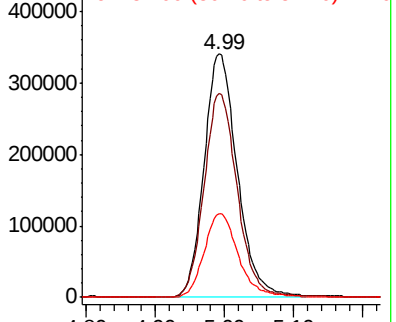


Abundance

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: 195.044 ug/l

RT: 3.82 min Scan# 638

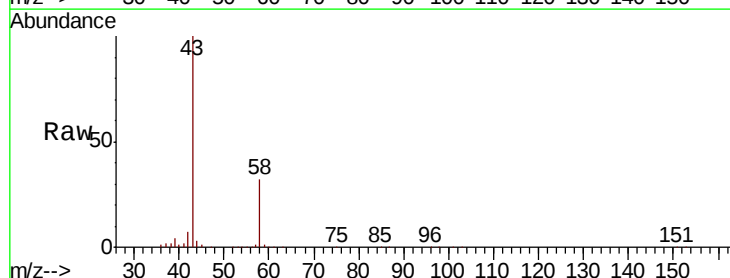
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 973468

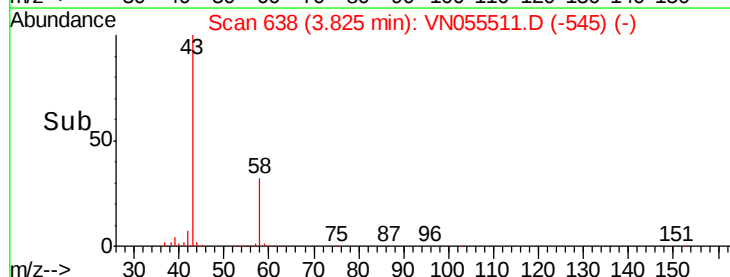
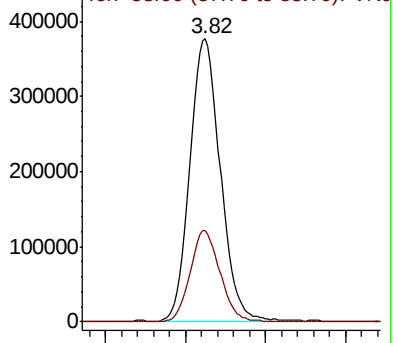
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.2

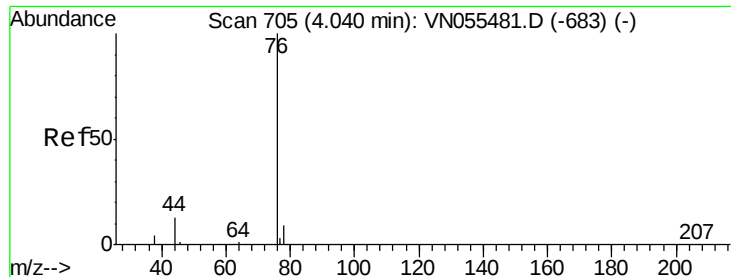


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

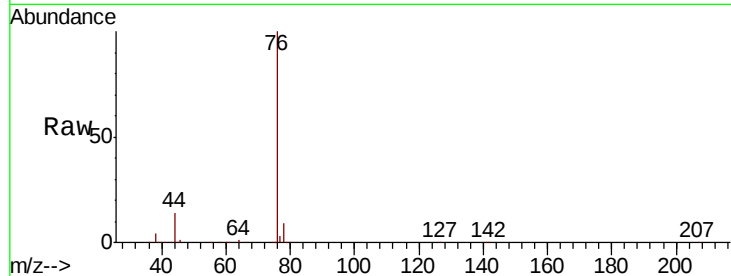




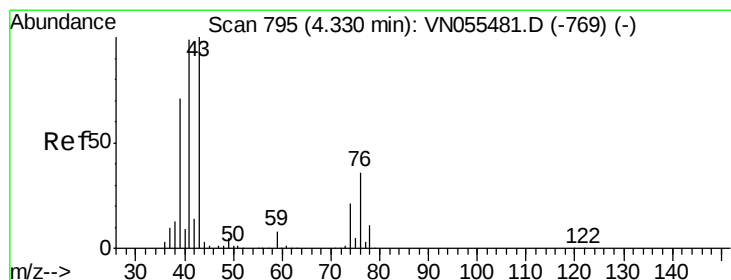
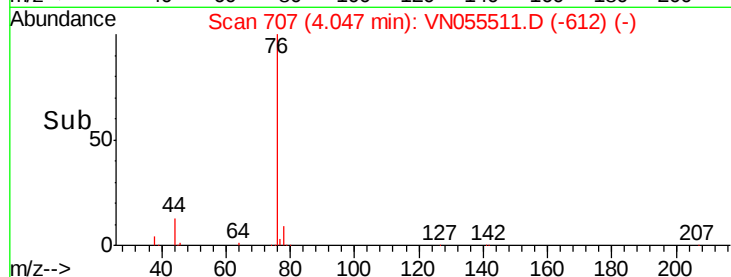
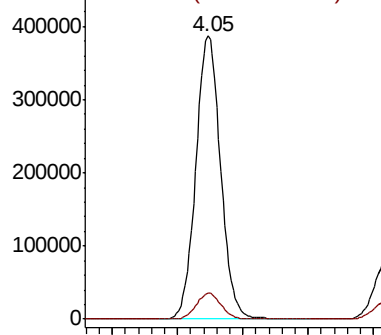
#17
Carbon Disulfide
Concen: 47.557 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 1015582
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

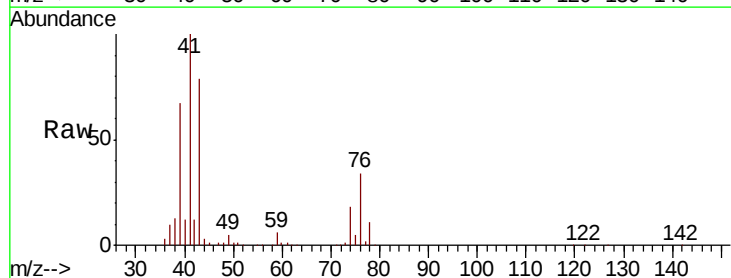


Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC

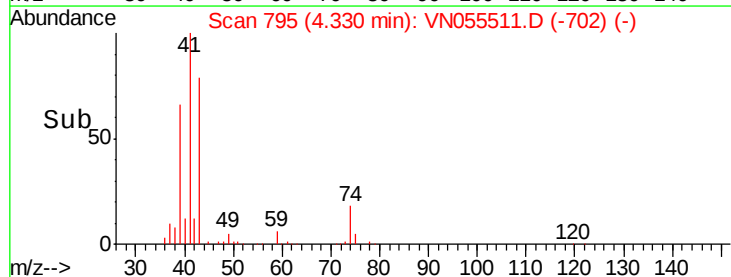
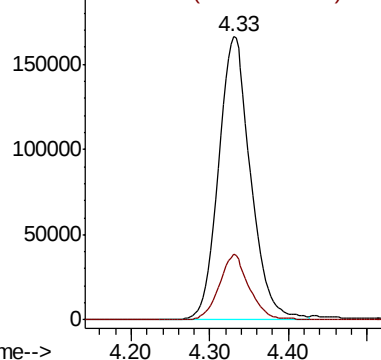


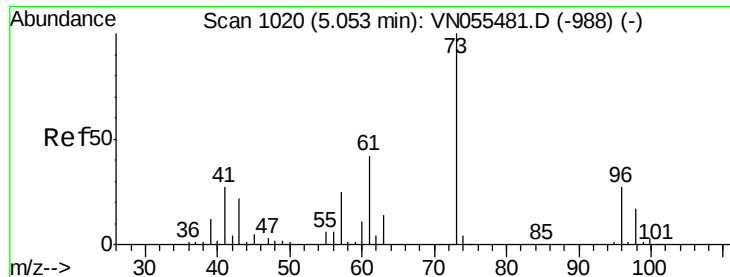
#18
Methyl Acetate
Concen: 45.212 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 474647
Ion Ratio Lower Upper
43 100
74 21.9 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC

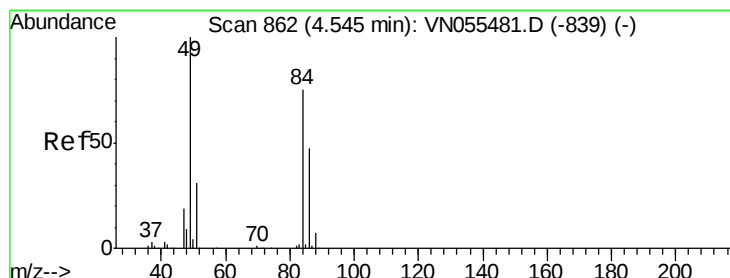
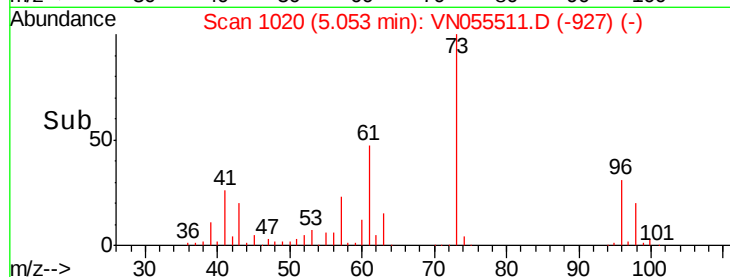
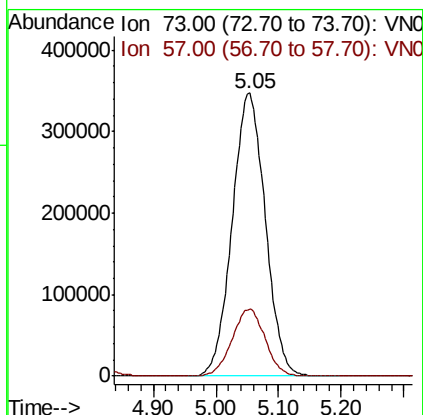
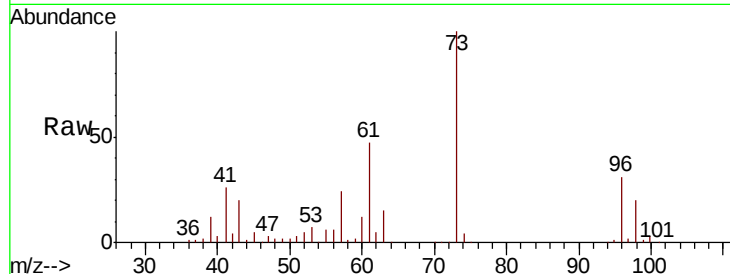




#19
Methvl tert-butvl Ether
Concen: 48.882 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

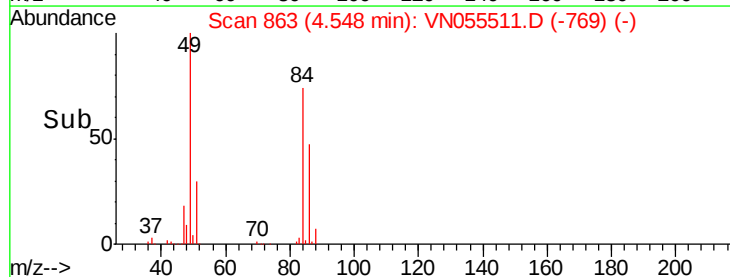
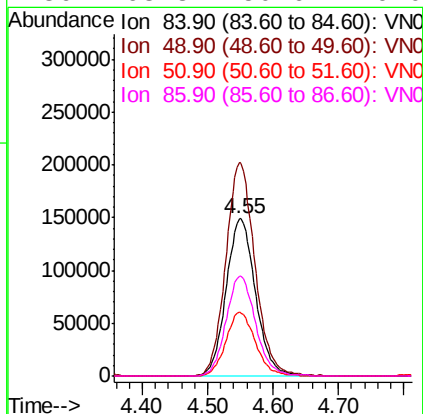
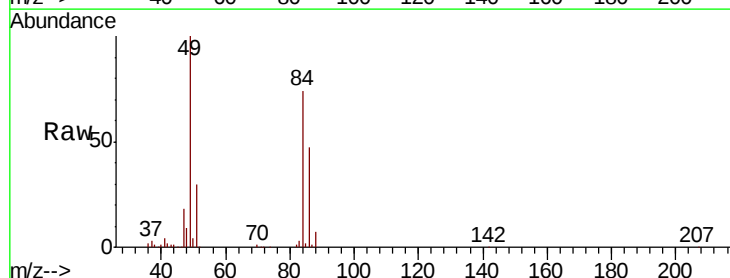
Instrument :
MSVOA_N
ClientSampleId :

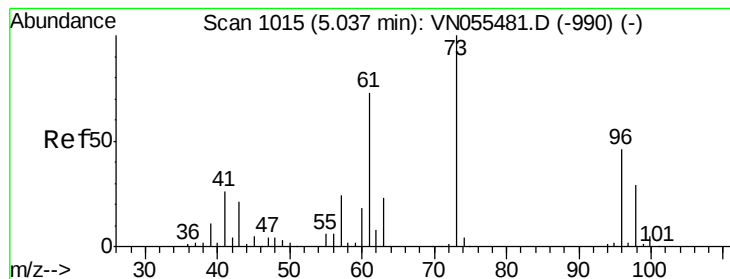
Tot Ion: 73 Resp: 1270888
Ion Ratio Lower Upper
73 100
57 23.6 20.0 30.0



#20
Methylene Chloride
Concen: 45.481 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 84 Resp: 464174
Ion Ratio Lower Upper
84 100
49 136.0 107.0 160.6
51 40.5 33.0 49.4
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.832 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

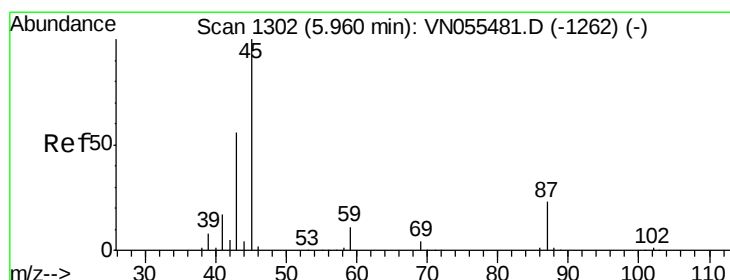
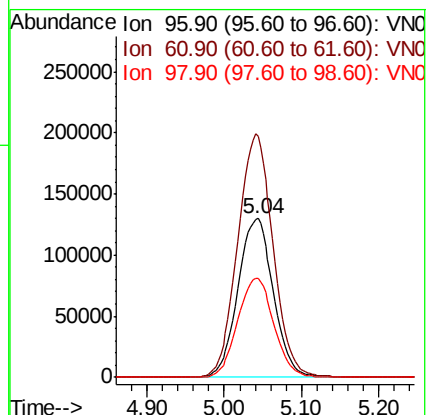
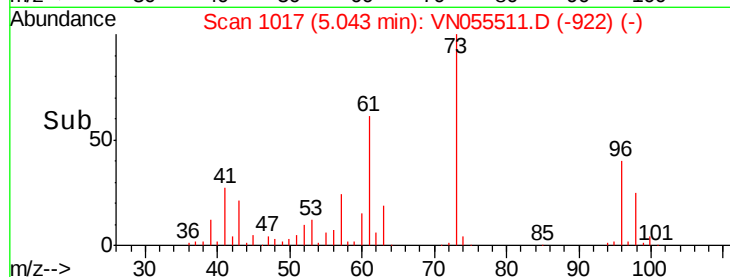
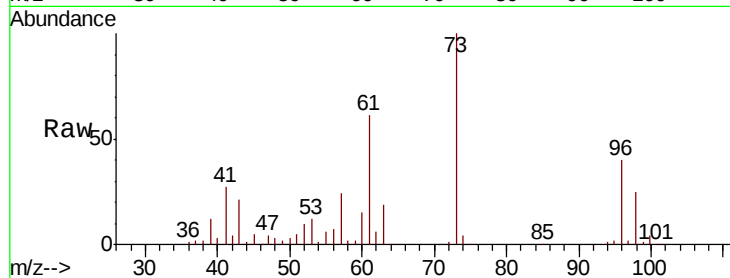
Tot Ion: 96 Resp: 414251

Ion Ratio Lower Upper

96 100

61 151.6 127.4 191.0

98 61.9 51.6 77.4



#22

Diisopropyl ether

Concen: 48.964 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 45 Resp: 1594790

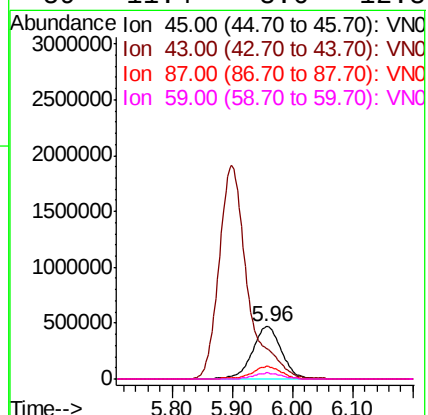
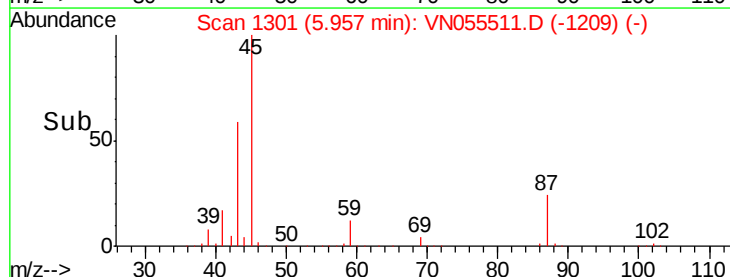
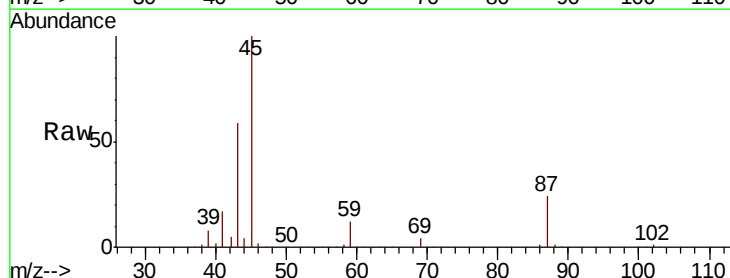
Ion Ratio Lower Upper

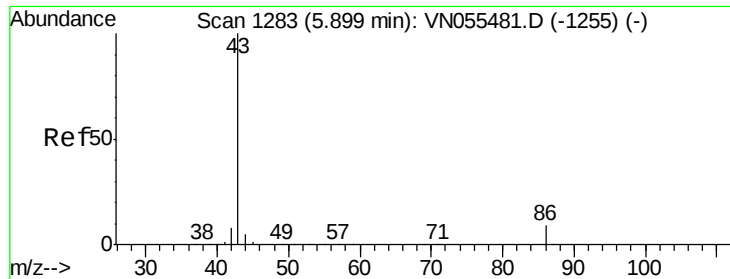
45 100

43 58.6 44.6 66.8

87 23.5 18.6 28.0

59 11.4 8.6 12.8

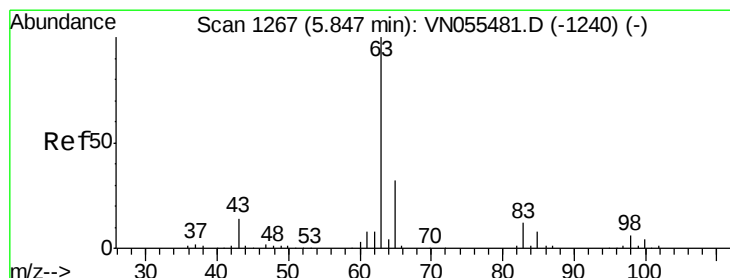
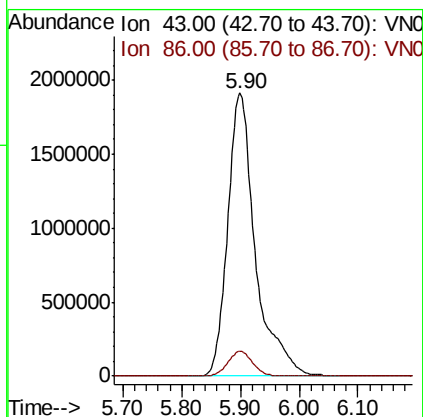
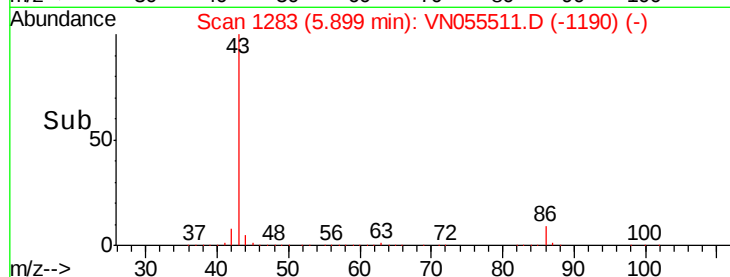
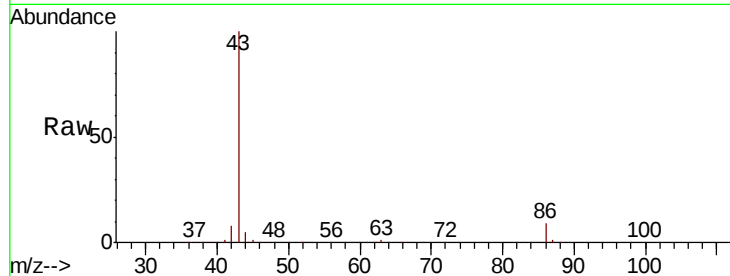




#23
 Vinyl Acetate
 Concen: 248.941 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

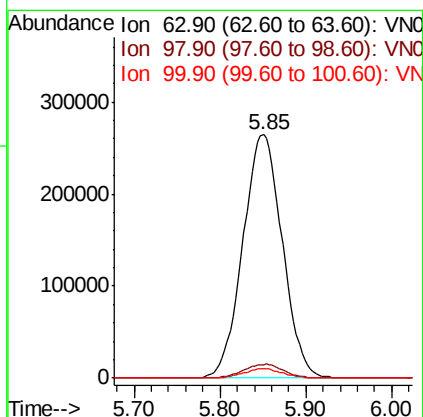
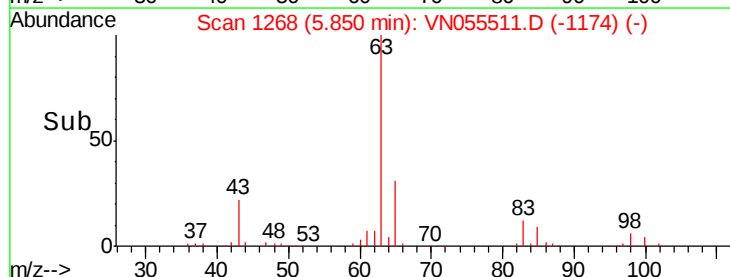
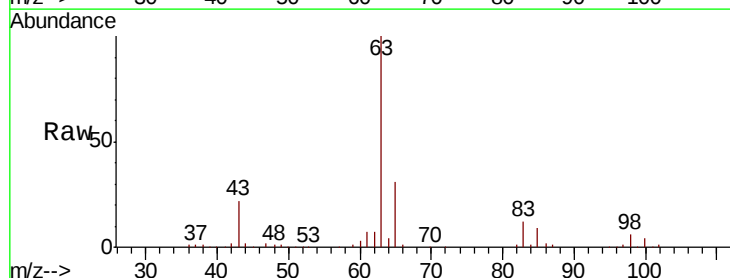
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 6270484
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 48.043 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 63 Resp: 844705
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 224.391 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

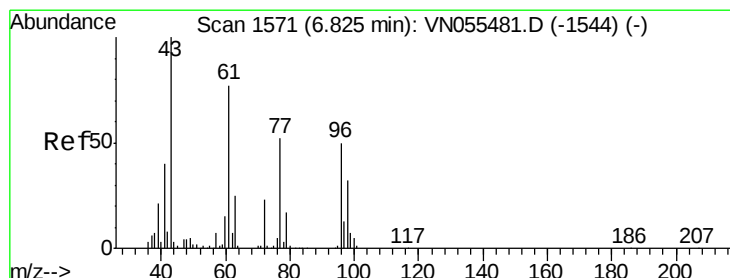
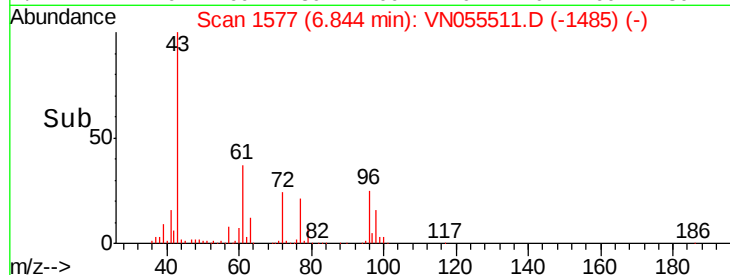
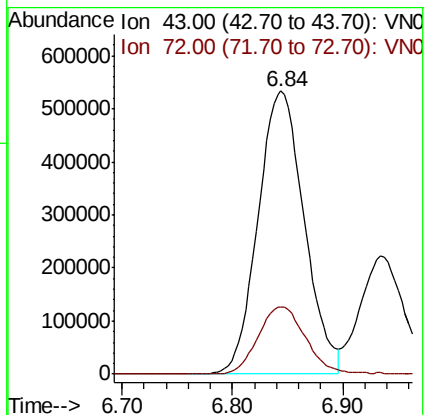
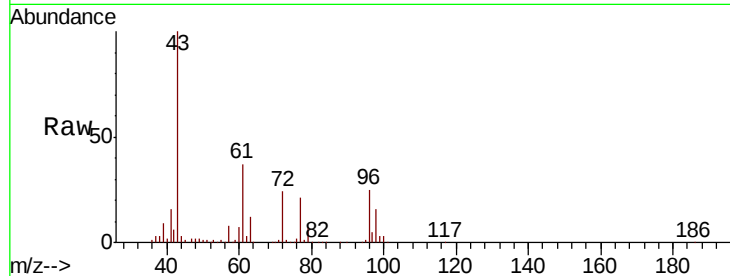
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1547060

Ion Ratio Lower Upper

43 100

72 23.9 18.6 27.8



#26

2,2-Dichloropropane

Concen: 47.084 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055511.D

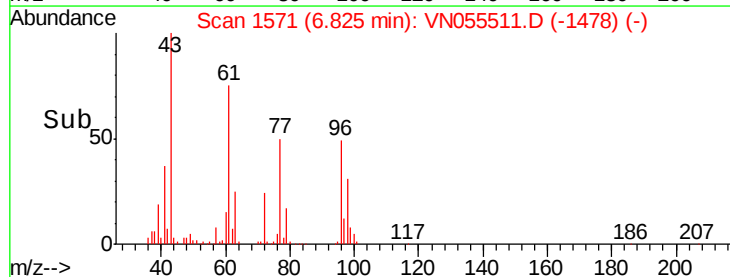
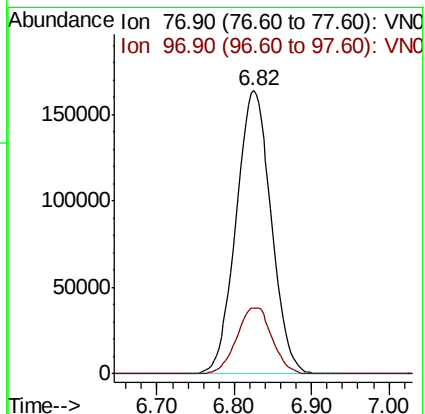
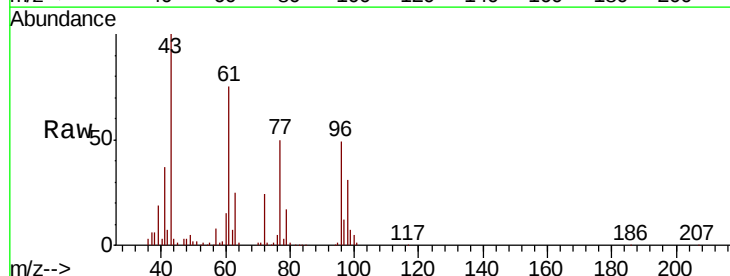
Acq: 9 May 2019 21:29

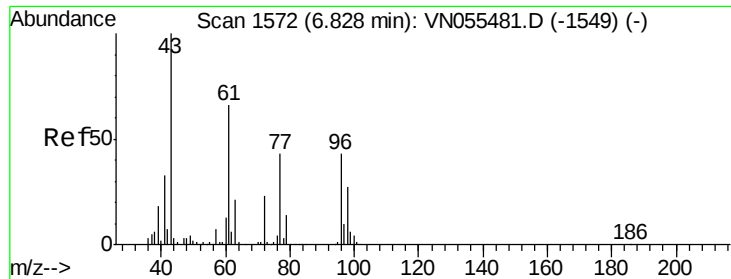
Tgt Ion: 77 Resp: 516060

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5

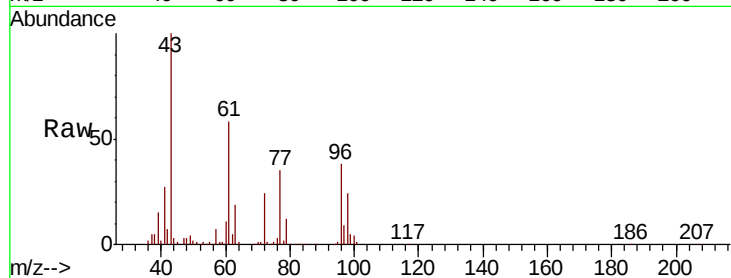




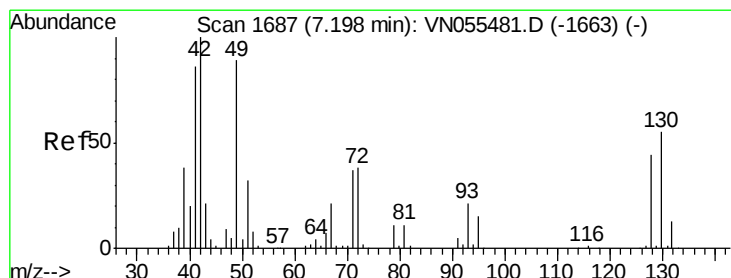
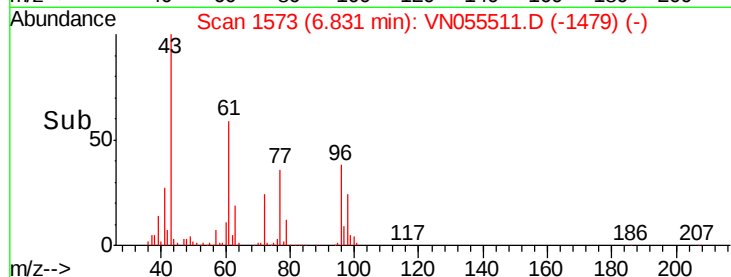
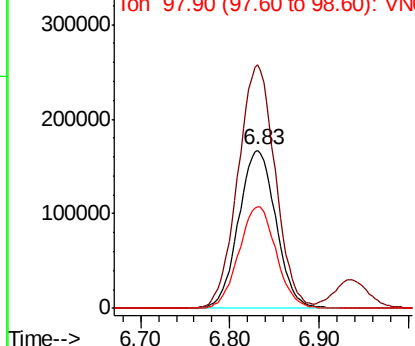
#27
 cis-1,2-Dichloroethene
 Concen: 49.386 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	310.8
98	64.1	0.0	129.4

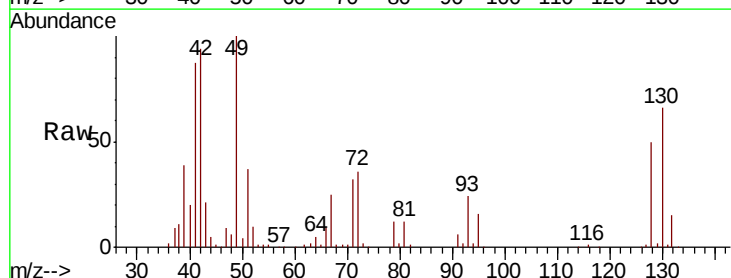


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

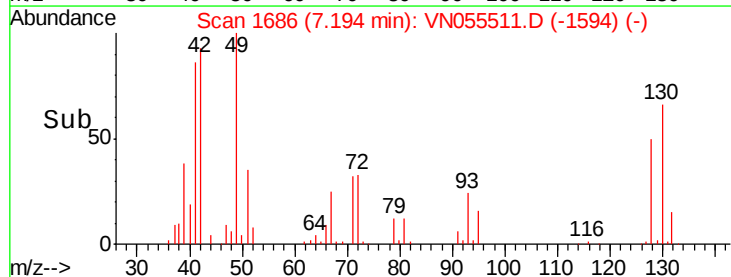
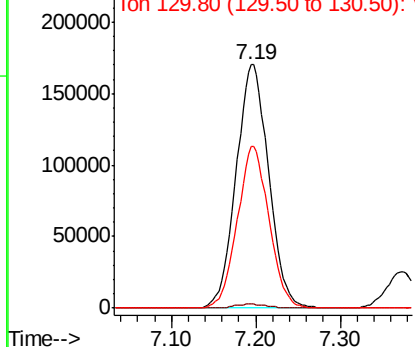


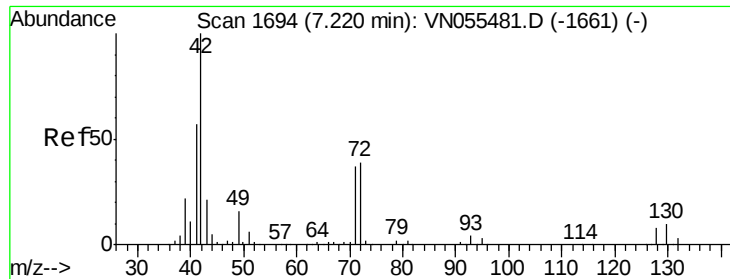
#28
 Bromochloromethane
 Concen: 50.092 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	64.8	49.5	74.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

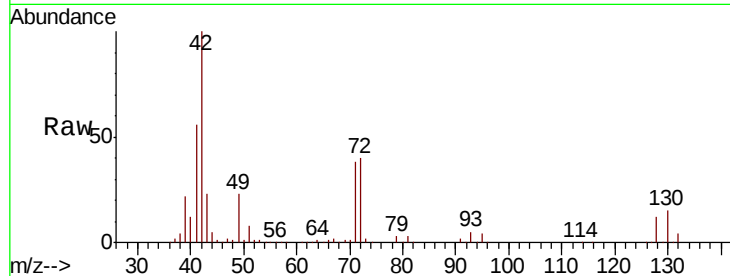




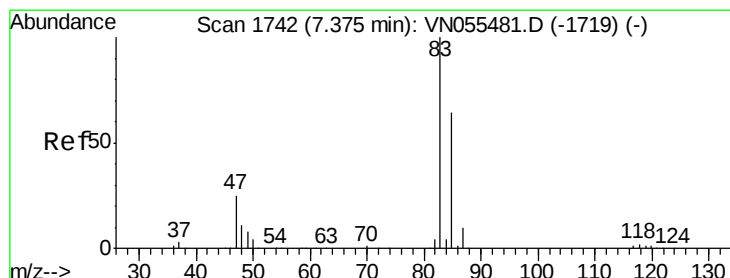
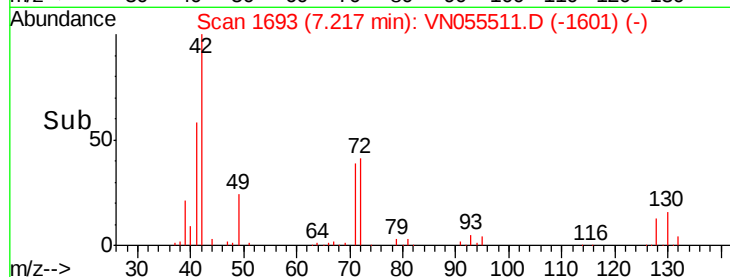
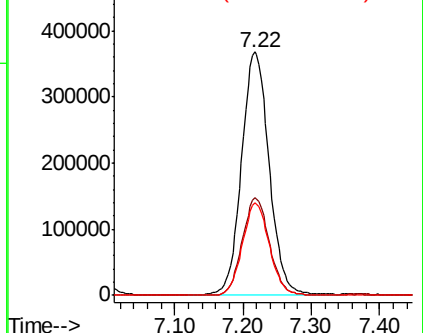
#29
Tetrahydrofuran
Concen: 226.618 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1032885
Ion Ratio Lower Upper
42 100
72 39.4 31.0 46.6
71 37.2 29.4 44.2

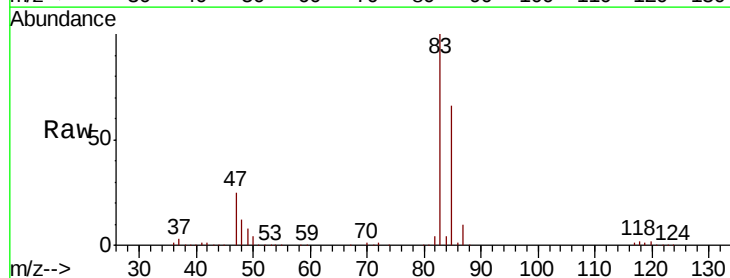


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

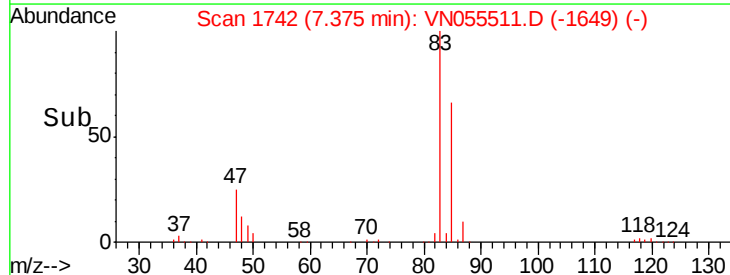
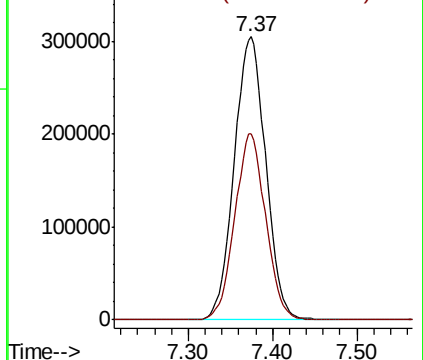


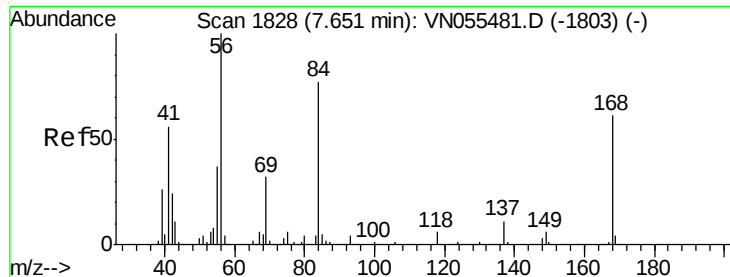
#30
Chloroform
Concen: 48.869 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 83 Resp: 794302
Ion Ratio Lower Upper
83 100
85 65.8 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: 45.390 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

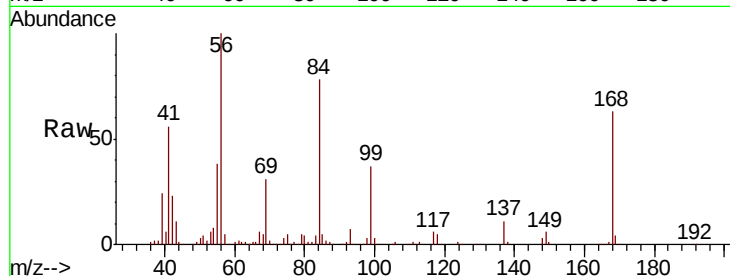
Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 789607

Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.0	39.0
84	76.9	61.9	92.9

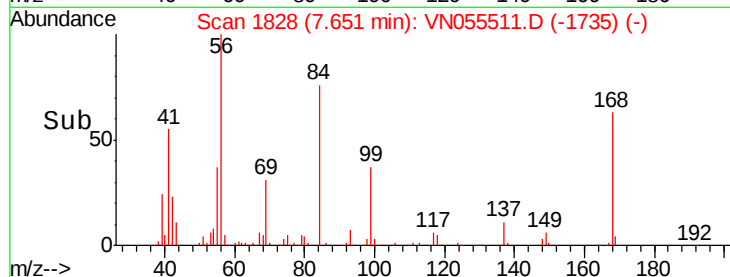


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

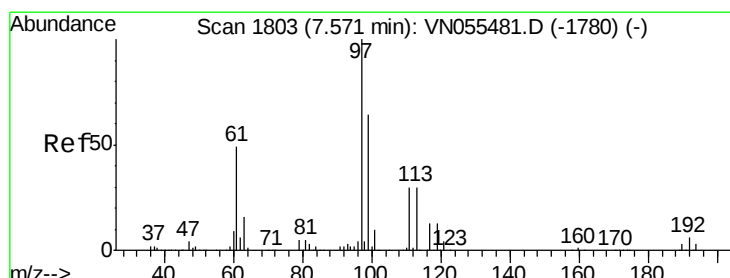


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.747 ug/l

RT: 7.57 min Scan# 1803

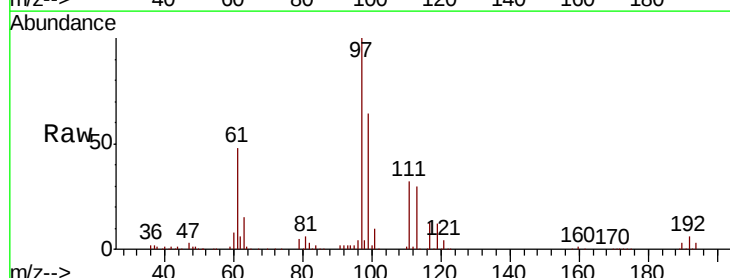
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 97 Resp: 615742

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	48.5	39.2	58.8

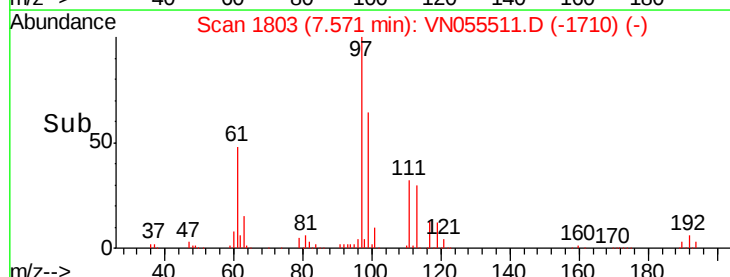


Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

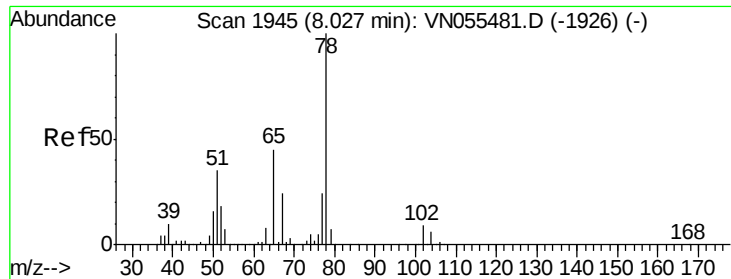


Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

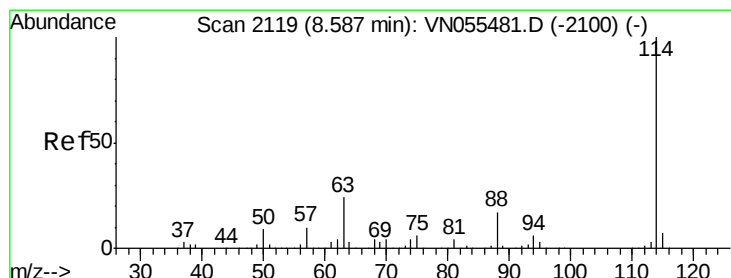
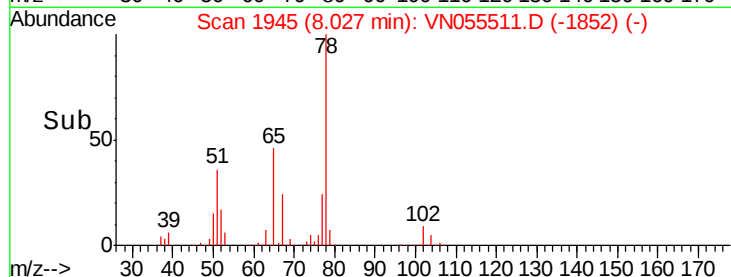
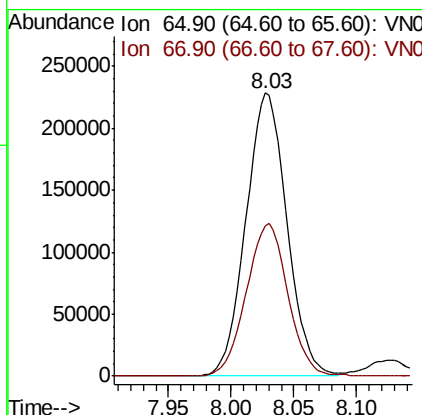
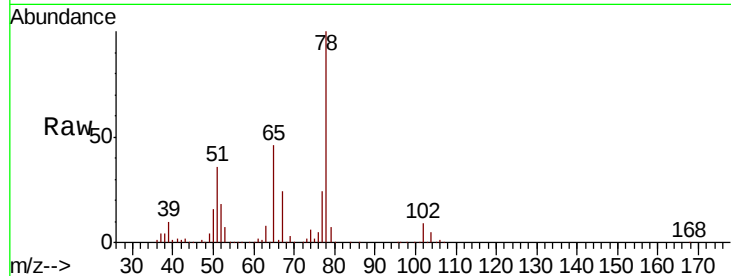
Ion 60.90 (60.60 to 61.60): VNO



#33
 1,2-Dichloroethane-d4
 Concen: 48.315 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

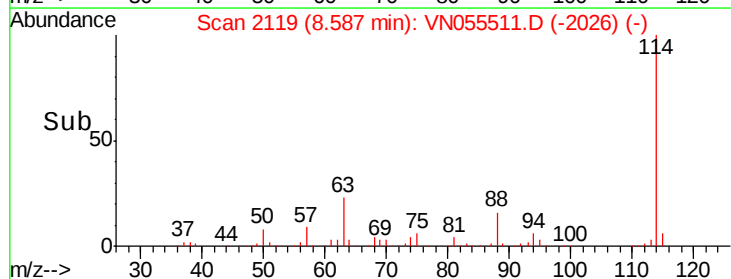
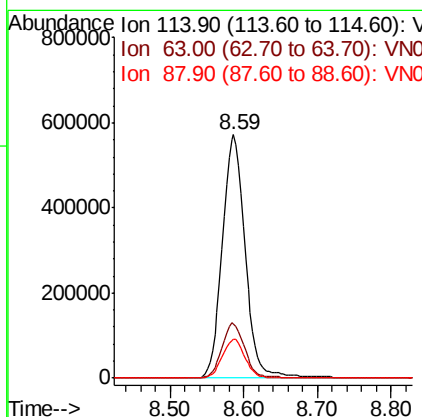
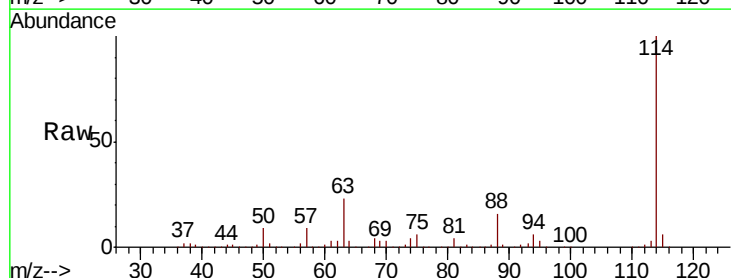
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 520793
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 114 Resp: 1239631
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.4
 88 16.1 0.0 34.0

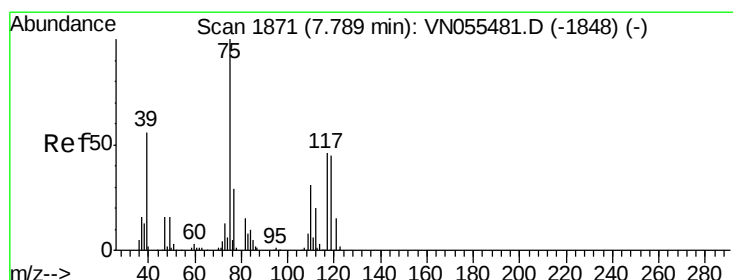
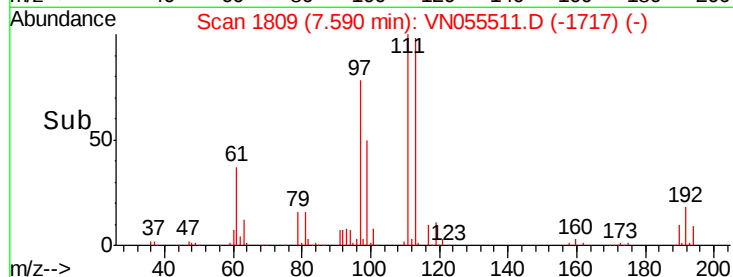
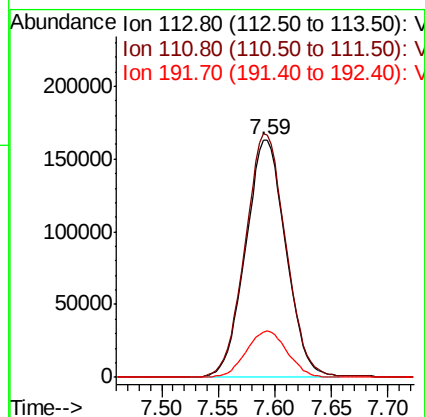
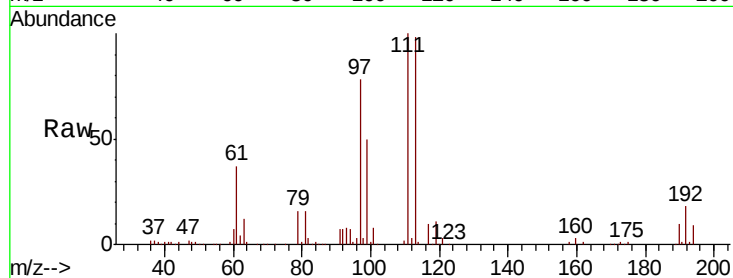




#35
 Dibromofluoromethane
 Concen: 50.554 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

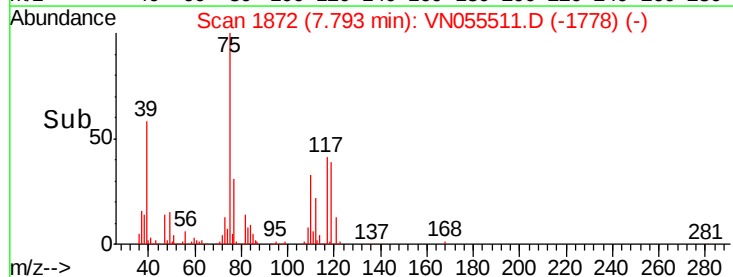
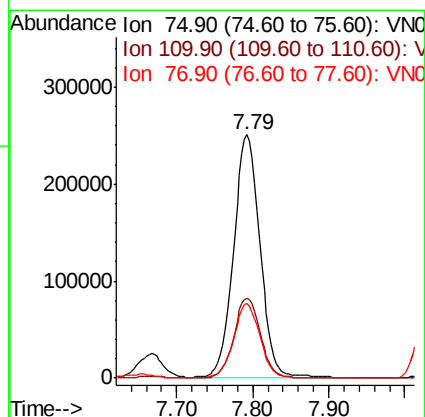
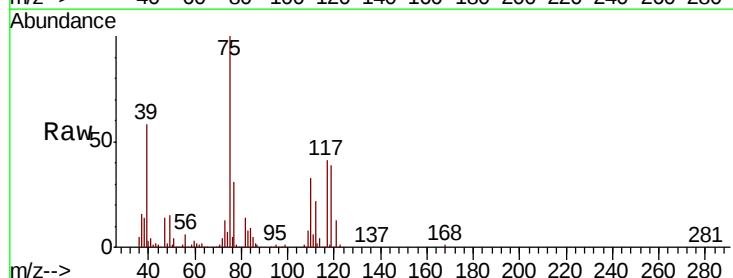
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 404258
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 20.0 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 49.557 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 75 Resp: 605211
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.1 48.3
 77 30.8 24.6 37.0

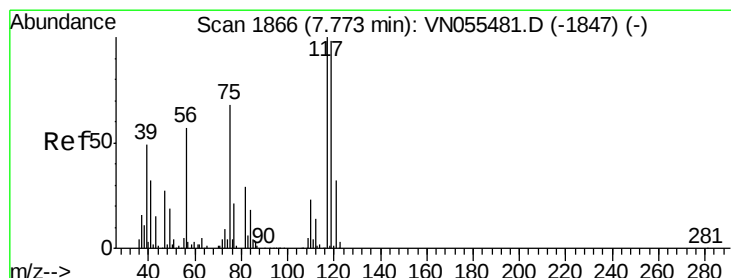
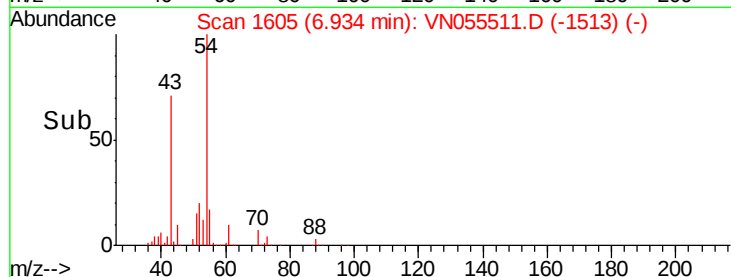
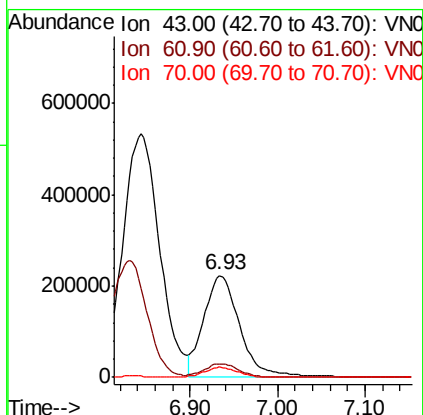
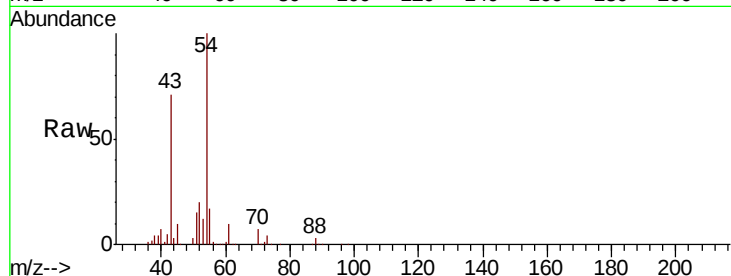




#37
Ethyl Acetate
Concen: 47.083 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

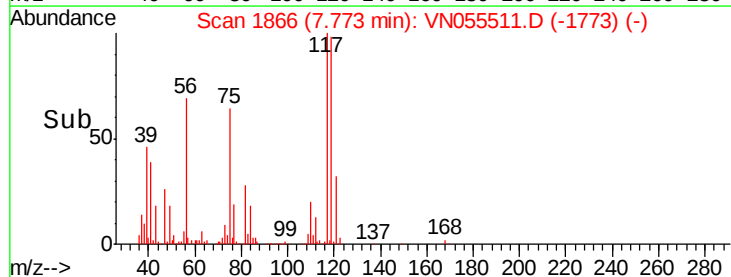
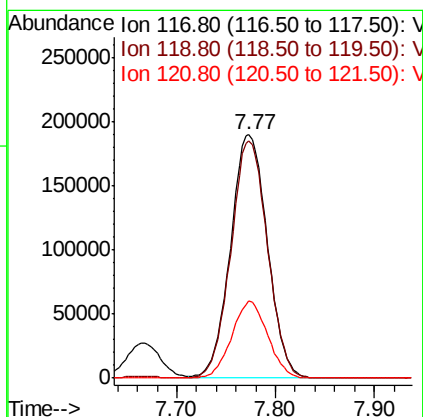
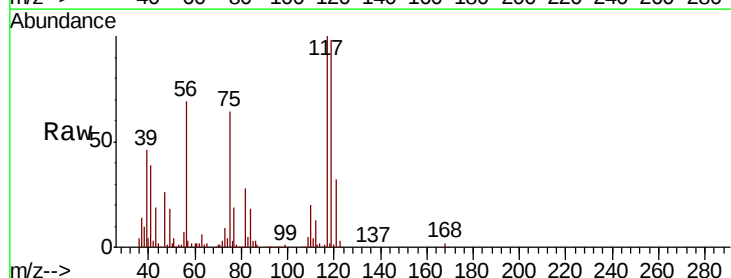
Instrument :
MSVOA_N
ClientSampled :

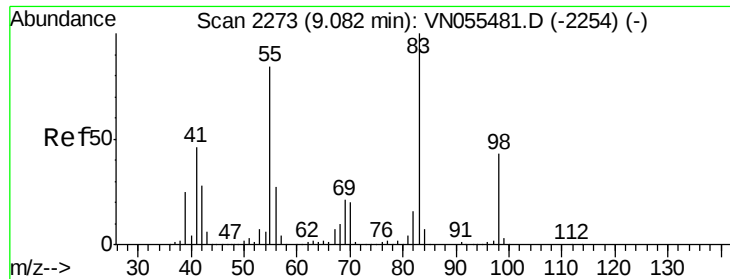
Tot Ion: 43 Resp: 627229
Ion Ratio Lower Upper
43 100
61 13.1 10.9 16.3
70 9.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 47.993 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 117 Resp: 493537
Ion Ratio Lower Upper
117 100
119 97.7 77.8 116.6
121 31.6 25.2 37.8

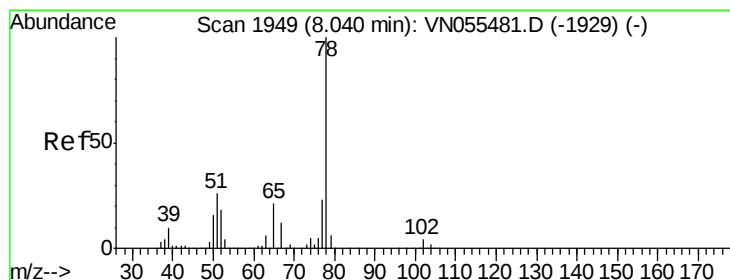
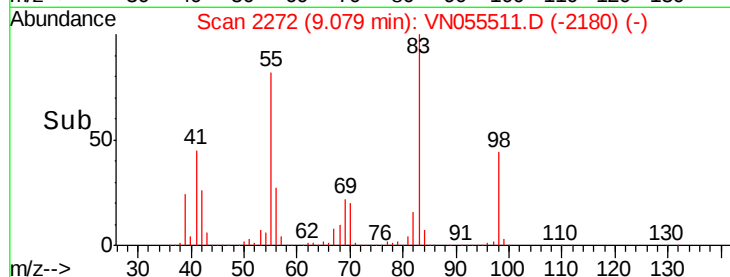
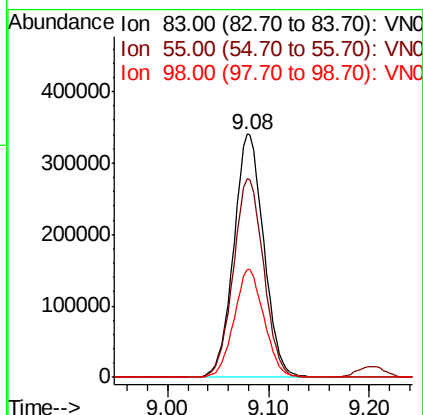
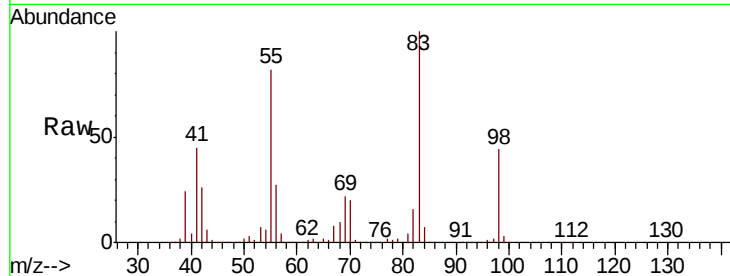




#39
Methvlcvclohexane
Concen: 47.302 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

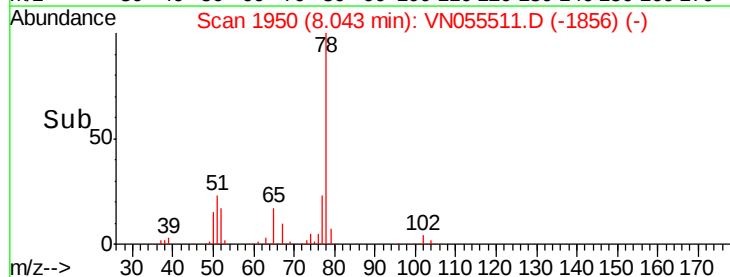
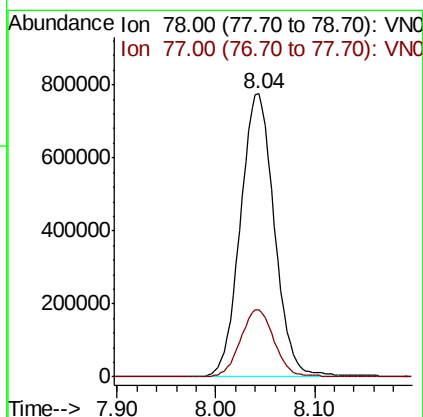
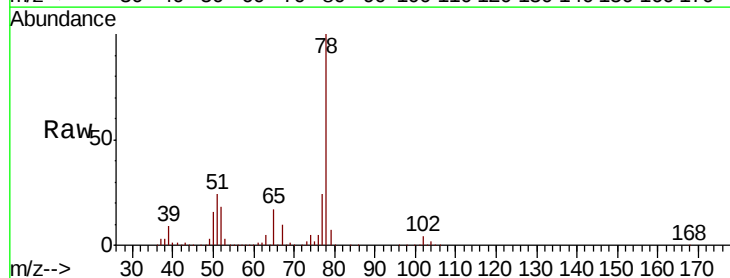
Instrument :
MSVOA_N
ClientSampled :

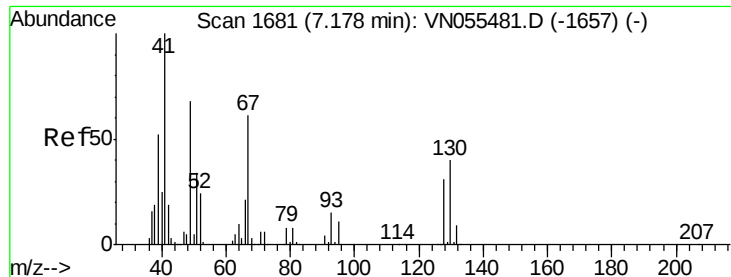
Tot Ion: 83 Resp: 704334
Ion Ratio Lower Upper
83 100
55 81.6 67.0 100.4
98 44.5 34.2 51.4



#40
Benzene
Concen: 48.733 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 78 Resp: 1847087
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8

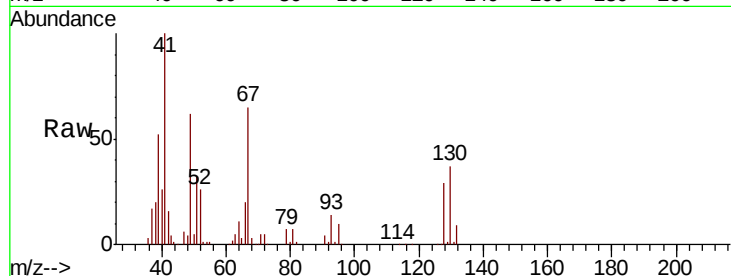




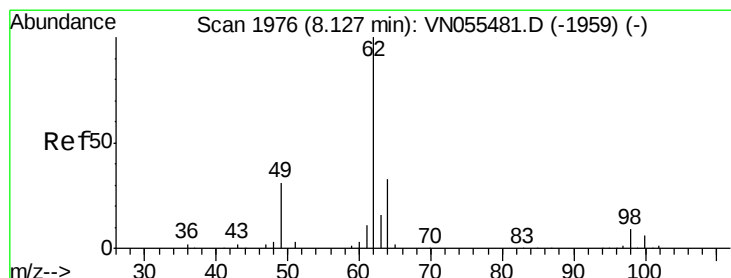
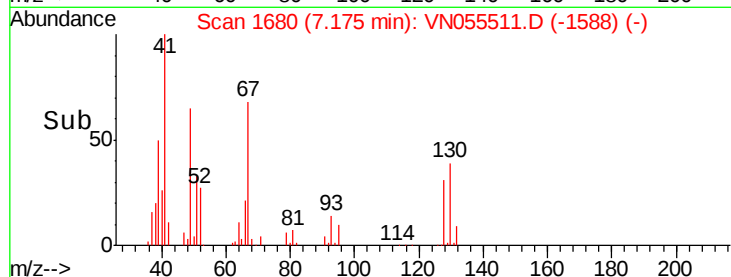
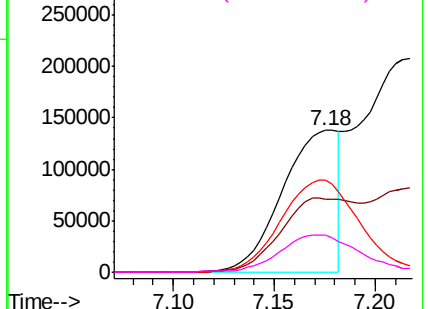
#41
Methacrylonitrile
Concen: 42.665 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 263802
Ion Ratio Lower Upper
41 100
39 72.9 44.7 67.1#
67 93.3 61.4 92.0#
52 37.3 25.0 37.4

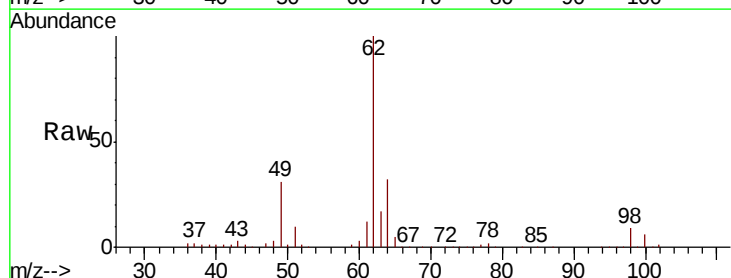


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

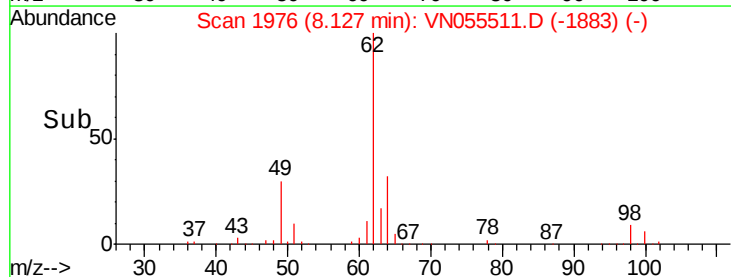
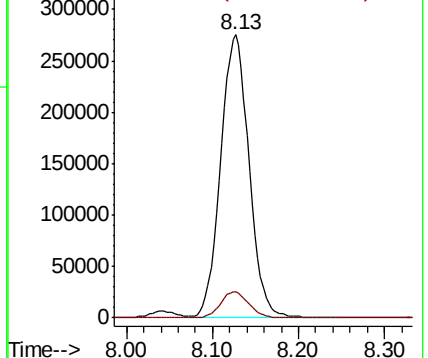


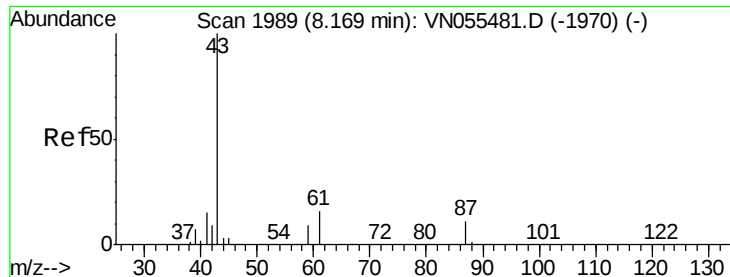
#42
1,2-Dichloroethane
Concen: 47.393 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 62 Resp: 631093
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.511 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

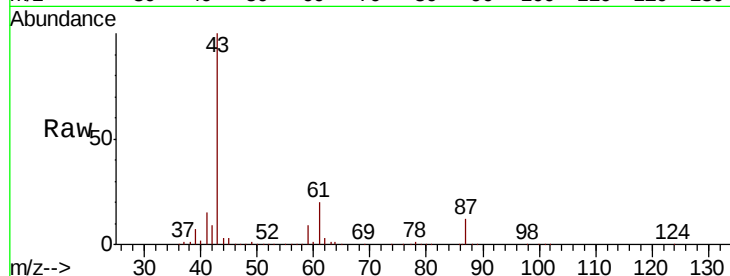
Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 981823

Ion	Ratio	Lower	Upper
43	100		
61	27.0	15.1	22.7#
87	12.0	9.0	13.6

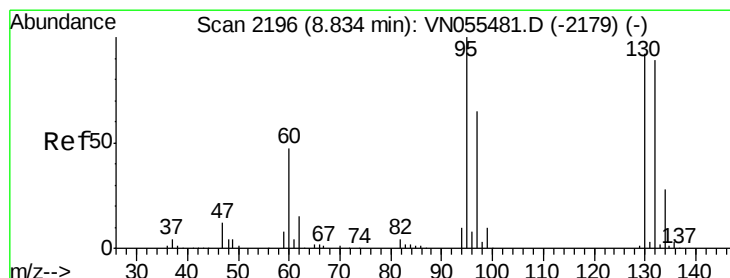
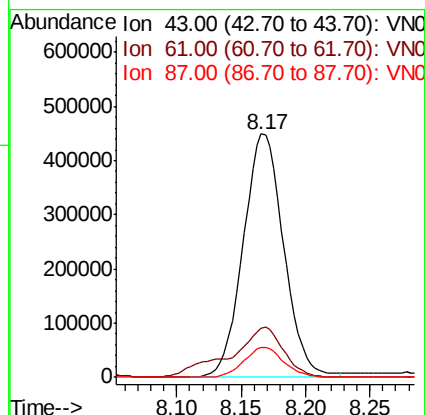
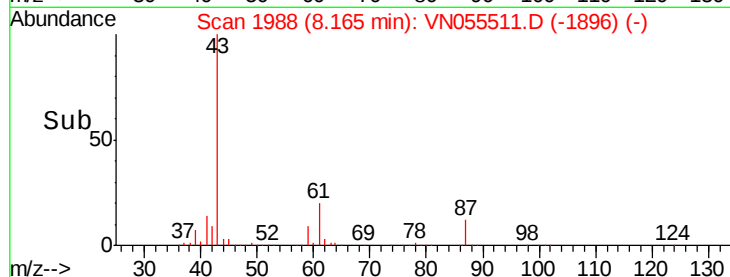


Abundance Ion 43.00 (42.70 to 43.70): VN055511.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN055511.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN055511.D (-1988) (-)

8.17



#44

Trichloroethene

Concen: 48.927 ug/l

RT: 8.83 min Scan# 2196

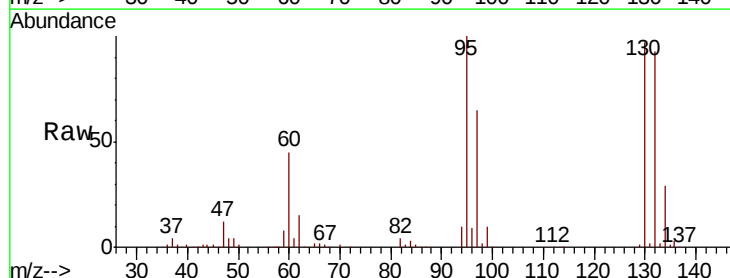
Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 130 Resp: 441247

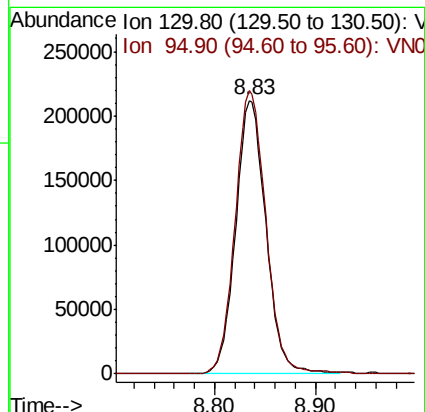
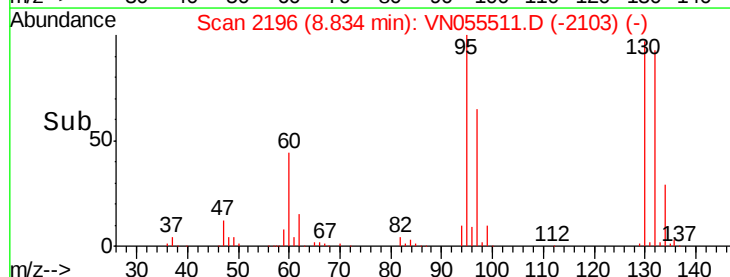
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055511.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055511.D (-2196) (-)

8.83





#45

1,2-Dichloropropane

Concen: 48.544 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

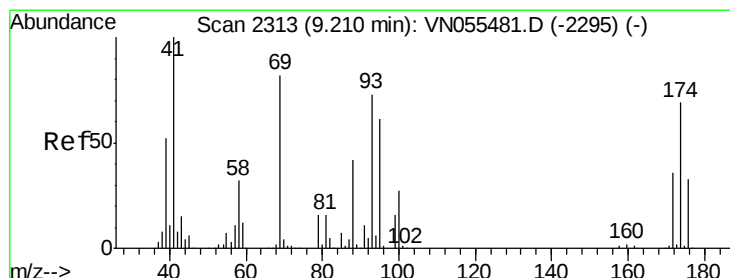
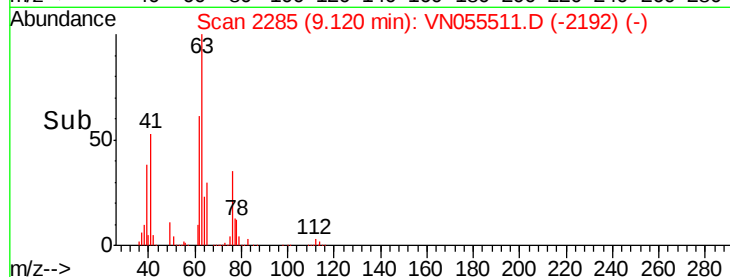
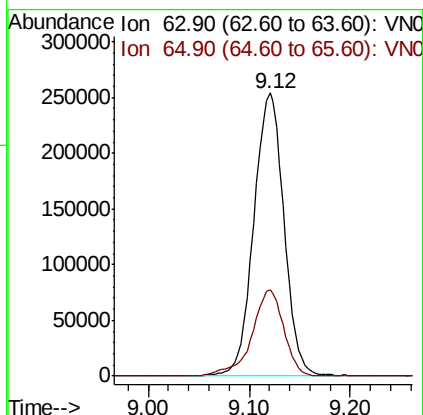
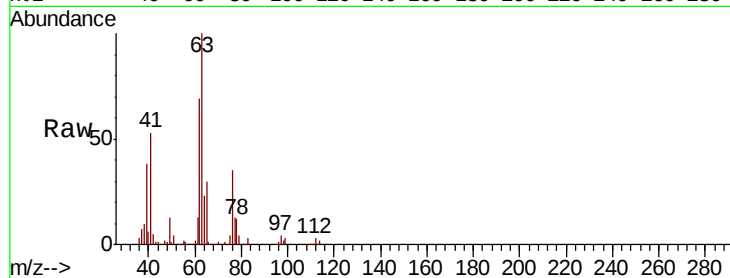
ClientSampled :

Tot Ion: 63 Resp: 526452

Ion Ratio Lower Upper

63 100

65 30.4 24.1 36.1



#46

Dibromomethane

Concen: 48.955 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

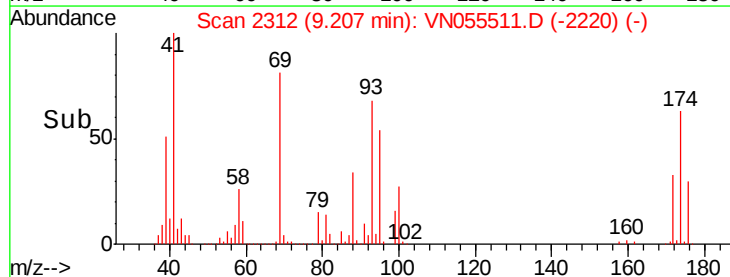
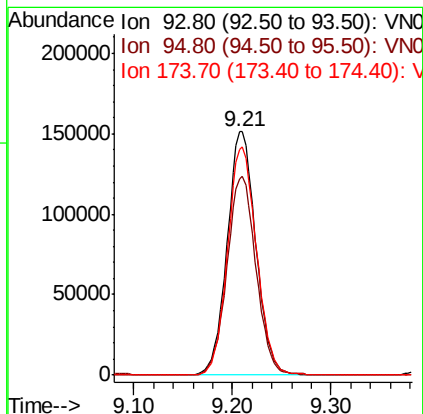
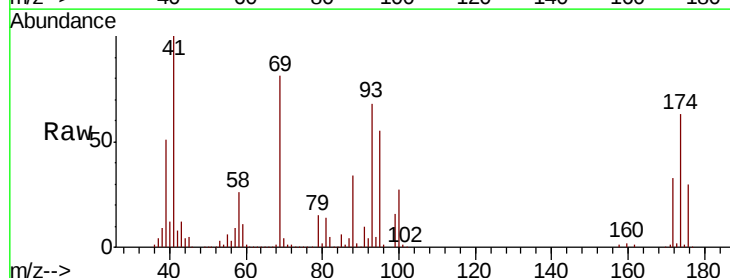
Tgt Ion: 93 Resp: 307735

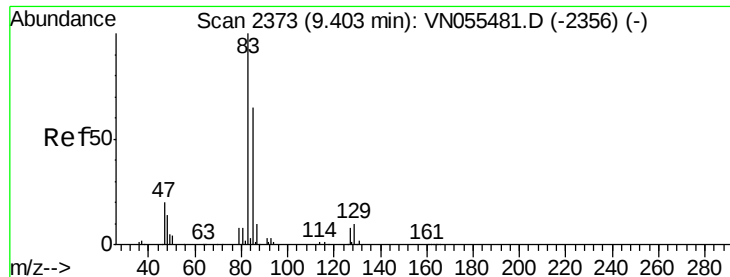
Ion Ratio Lower Upper

93 100

95 82.5 64.8 97.2

174 94.6 75.0 112.6





#47

Bromodichloromethane

Concen: 50.054 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

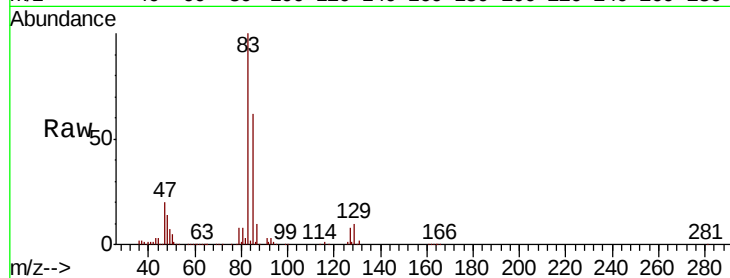
Tot Ion: 83 Resp: 601927

Ion Ratio Lower Upper

83 100

85 62.2 52.2 78.2

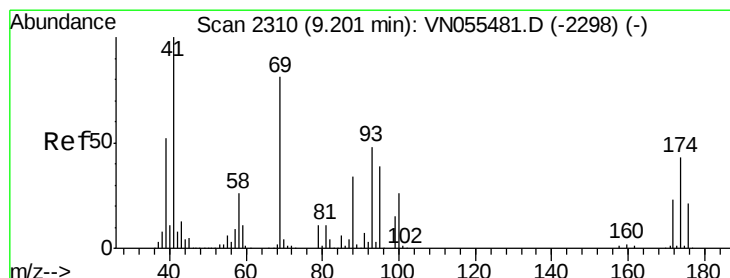
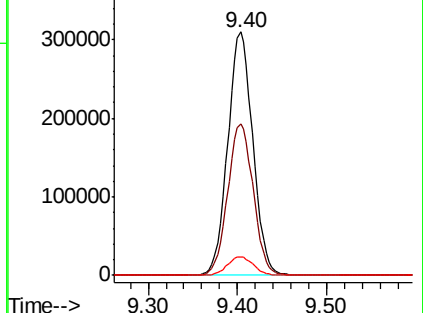
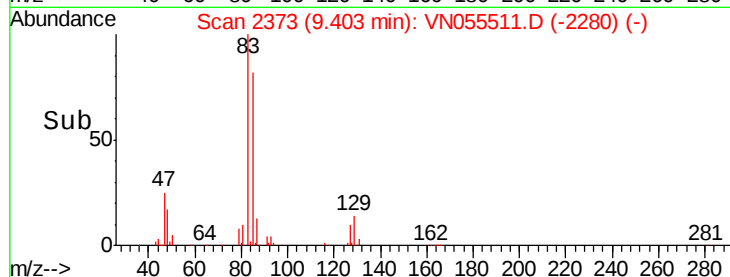
127 7.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055511.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055511.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055511.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.625 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

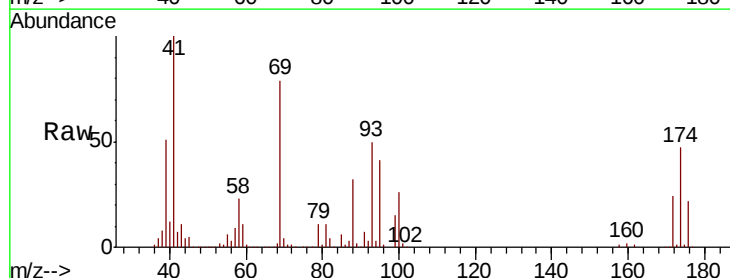
Tgt Ion: 41 Resp: 474159

Ion Ratio Lower Upper

41 100

69 81.4 64.2 96.2

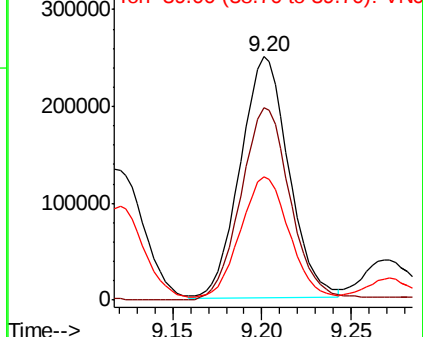
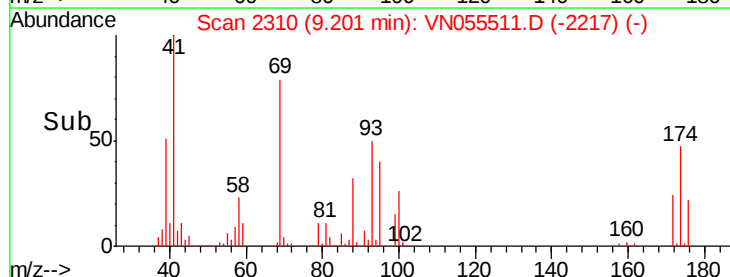
39 51.4 41.6 62.4

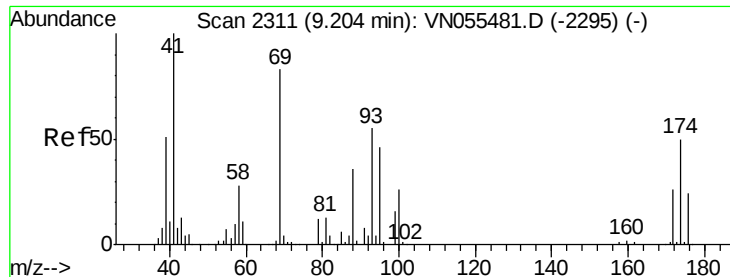


Abundance Ion 41.00 (40.70 to 41.70): VN055511.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055511.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055511.D (-2217) (-)

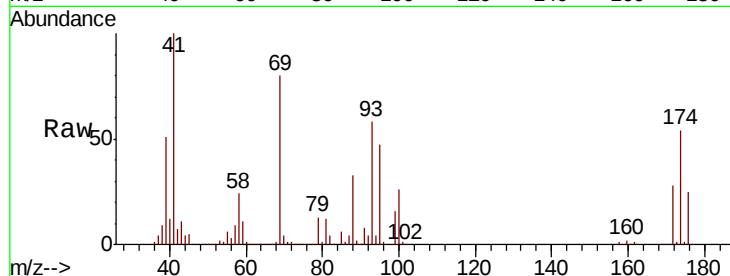




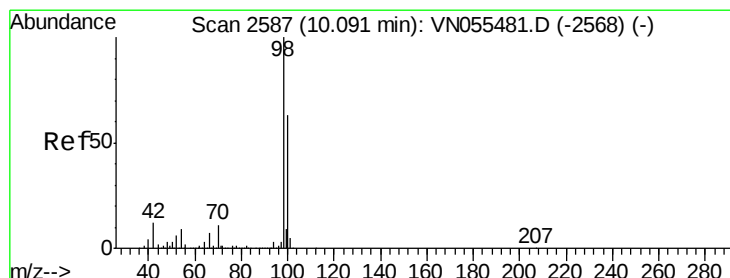
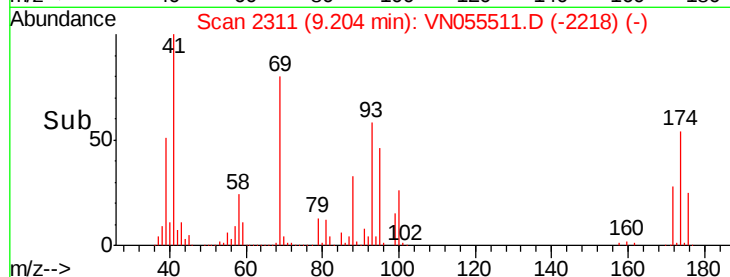
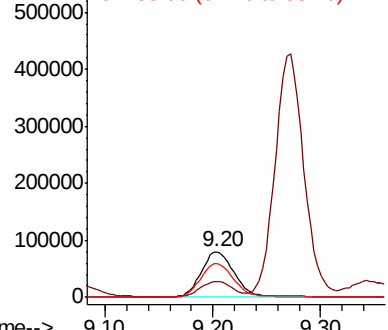
#49
 1,4-Dioxane
 Concen: 910.397 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 173027
 Ion Ratio Lower Upper
 88 100
 43 32.5 27.8 41.8
 58 73.7 61.8 92.6

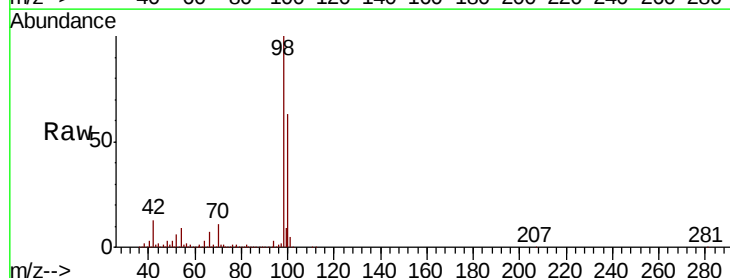


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

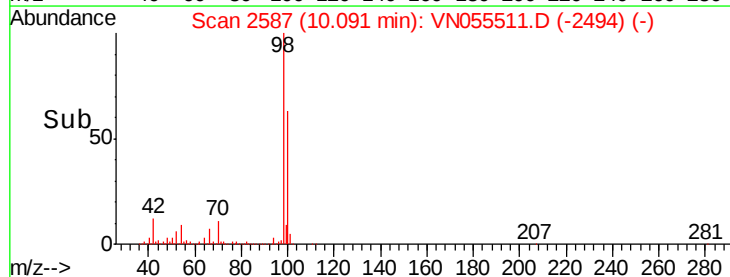
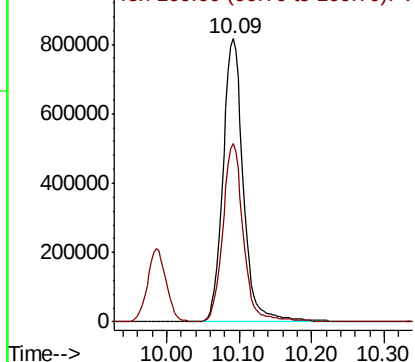


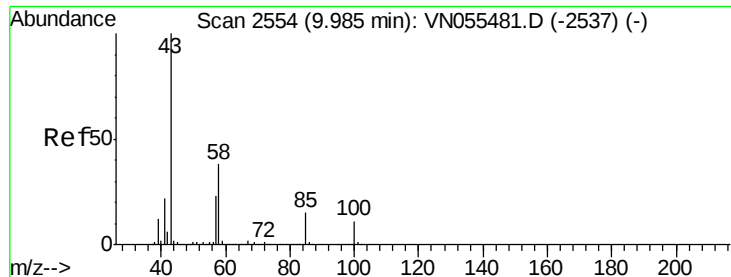
#50
 Toluene-d8
 Concen: 51.108 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion: 98 Resp: 1592613
 Ion Ratio Lower Upper
 98 100
 100 62.4 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: 232.312 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

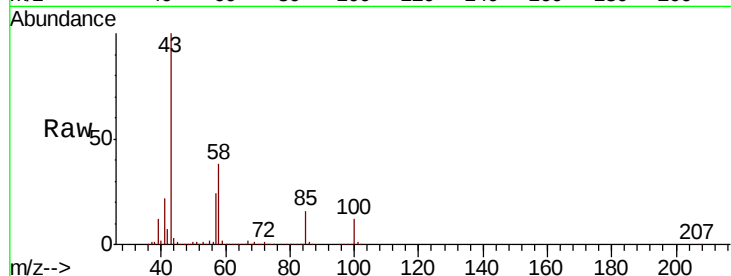
ClientSampleId :

Tot Ion: 43 Resp: 3092282

Ion Ratio Lower Upper

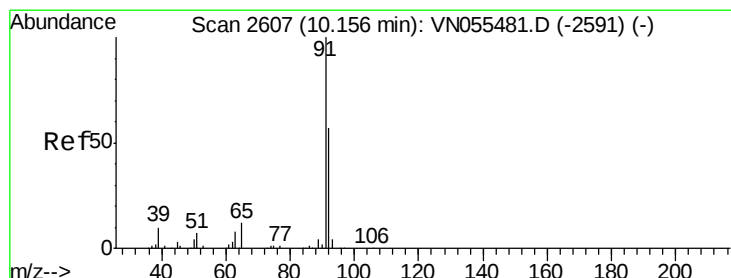
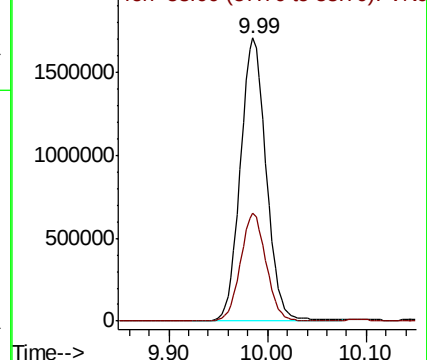
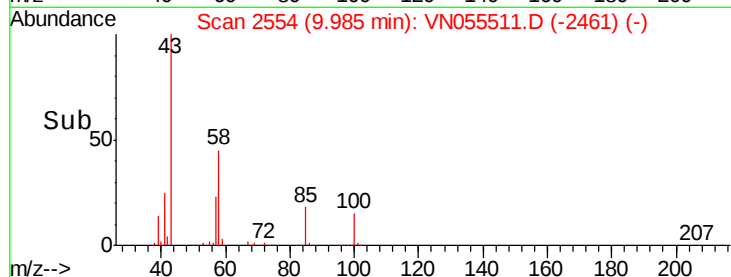
43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055511.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055511.D (-2461) (-)



#52

Toluene

Concen: 50.679 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055511.D

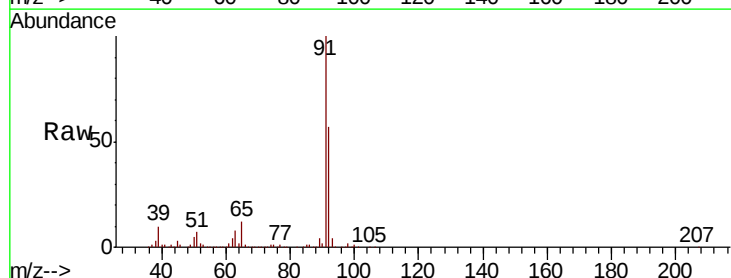
Acq: 9 May 2019 21:29

Tgt Ion: 92 Resp: 1098152

Ion Ratio Lower Upper

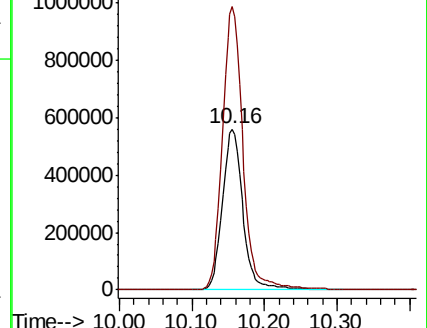
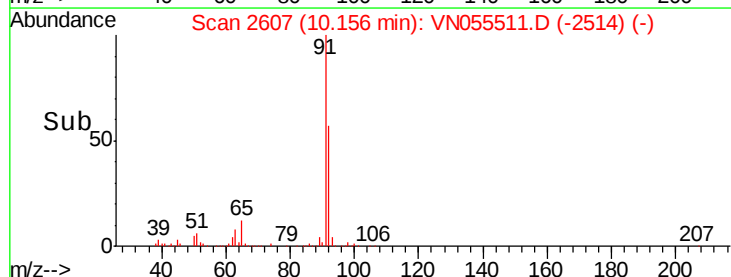
92 100

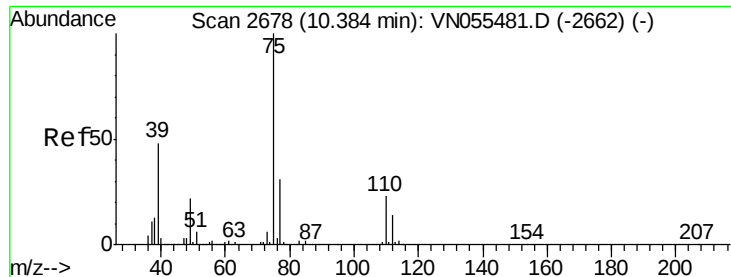
91 176.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055511.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055511.D (-2514) (-)

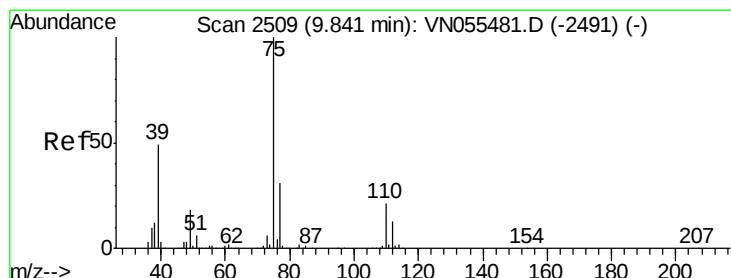
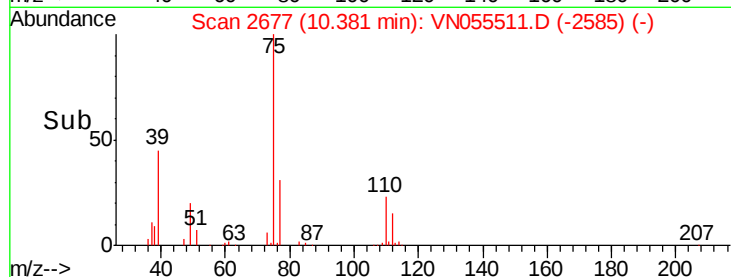
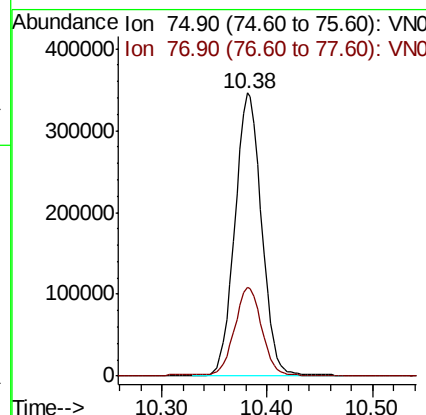
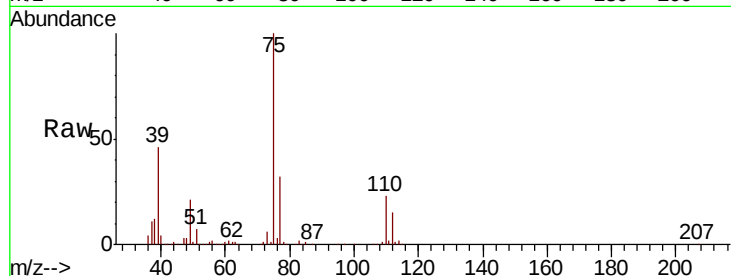




#53
t-1,3-Dichloropropene
Concen: 52.571 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

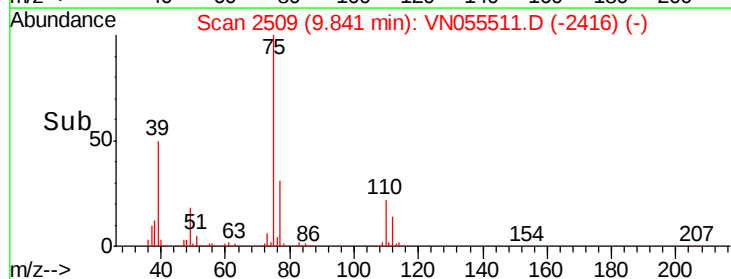
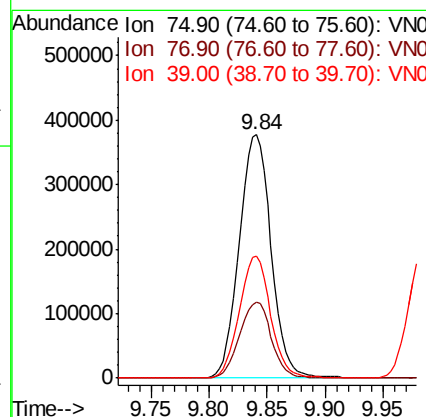
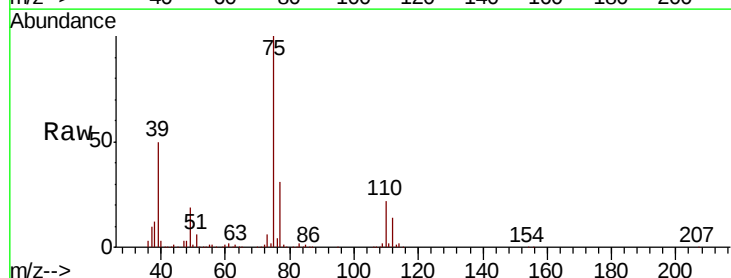
Instrument :
MSVOA_N
ClientSampleId :

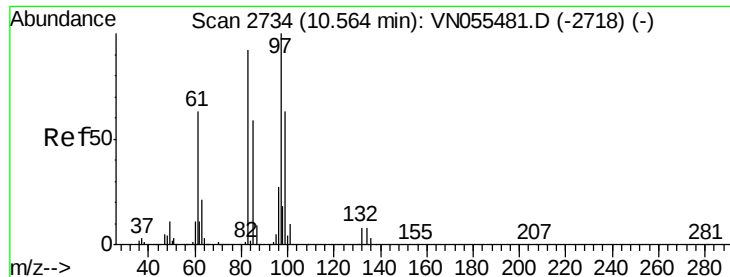
Tot Ion: 75 Resp: 607185
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 52.076 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 75 Resp: 718713
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 50.2 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 49.746 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 436739

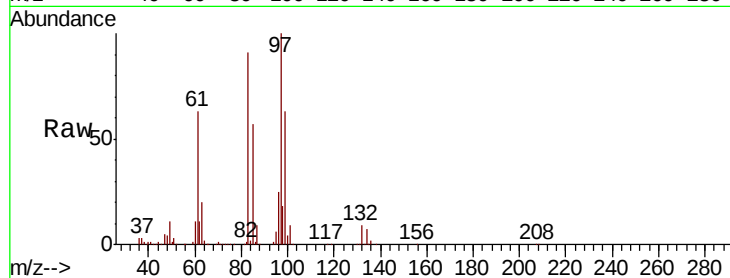
Ion Ratio Lower Upper

97 100

83 90.6 73.2 109.8

85 57.1 47.5 71.3

99 63.1 50.2 75.2

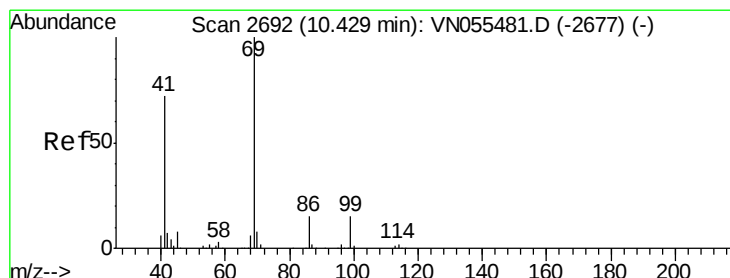
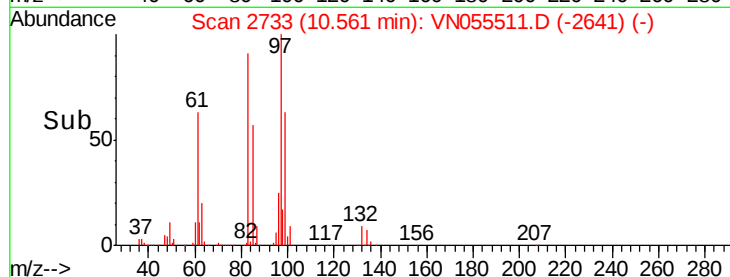
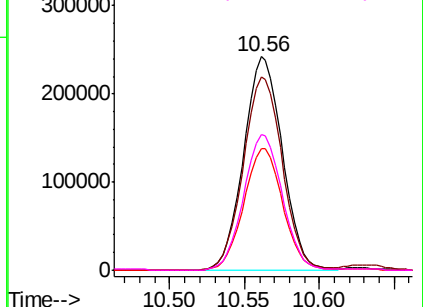


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.247 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

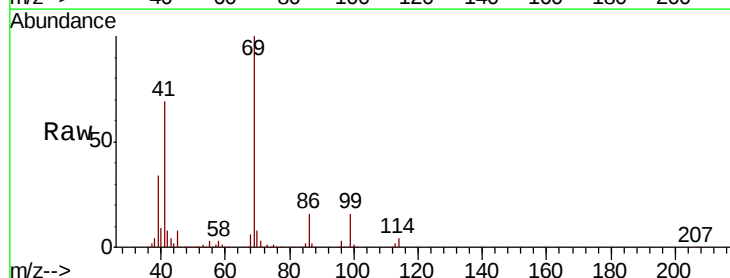
Tgt Ion: 69 Resp: 656162

Ion Ratio Lower Upper

69 100

41 68.2 56.2 84.2

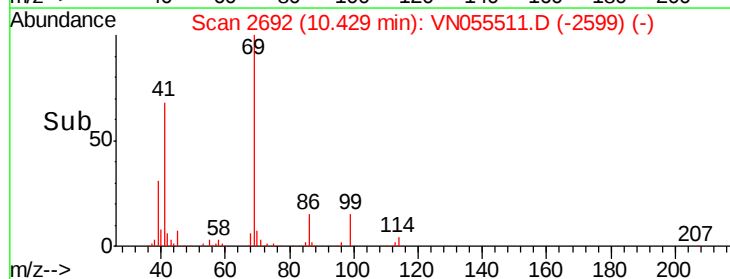
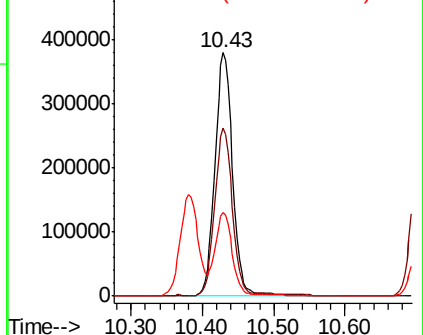
39 33.4 27.8 41.6

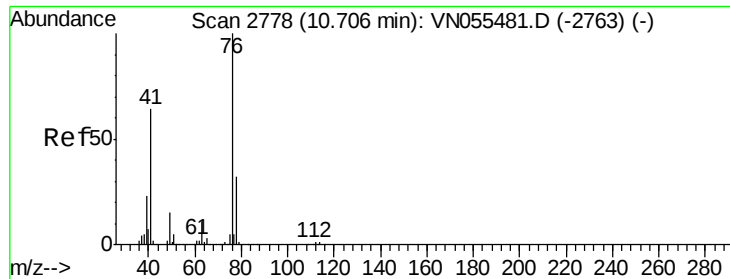


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.580 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

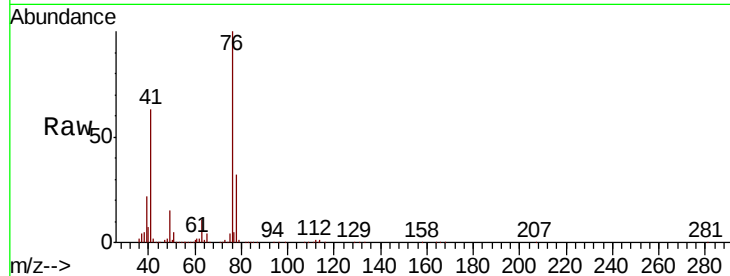
ClientSampled :

Tot Ion: 76 Resp: 772773

Ion Ratio Lower Upper

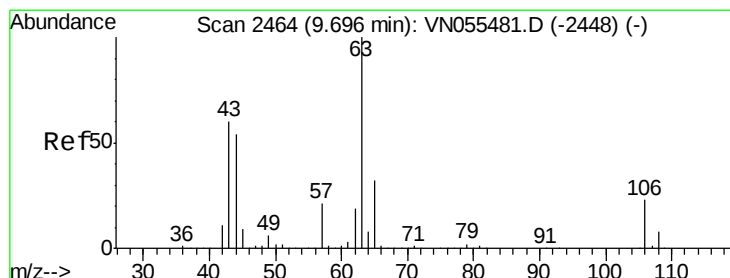
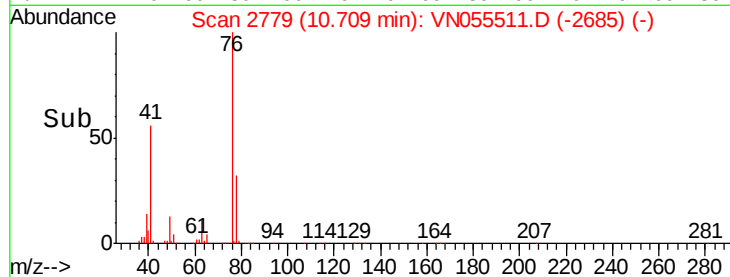
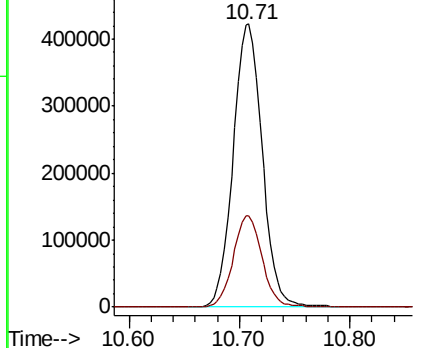
76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 210.171 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055511.D

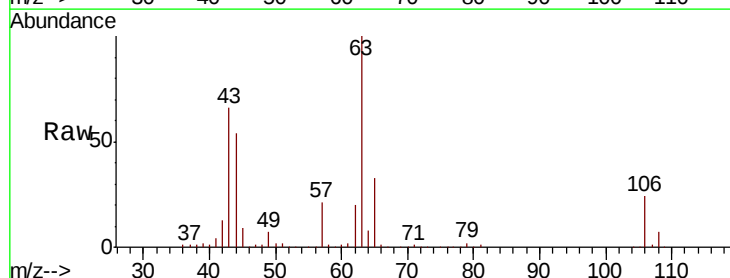
Acq: 9 May 2019 21:29

Tgt Ion: 63 Resp: 914695

Ion Ratio Lower Upper

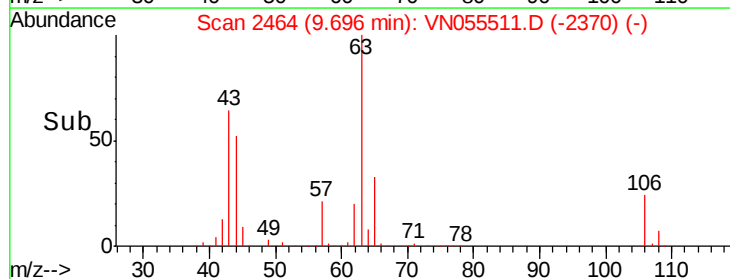
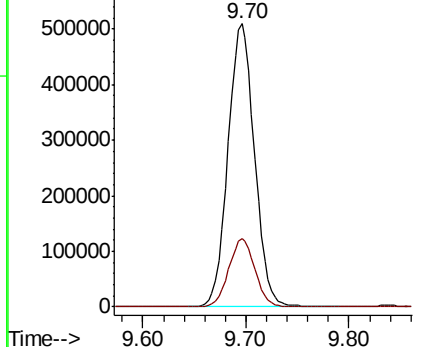
63 100

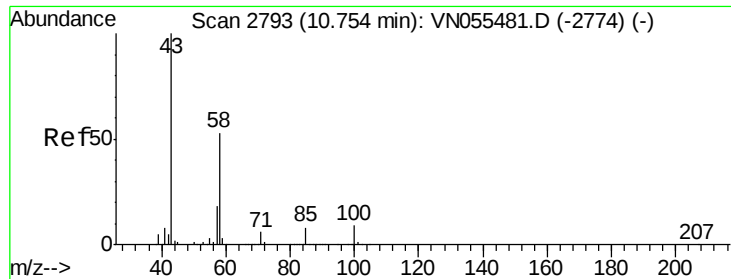
106 23.6 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

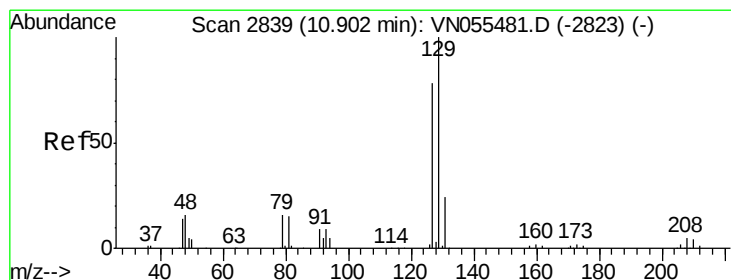
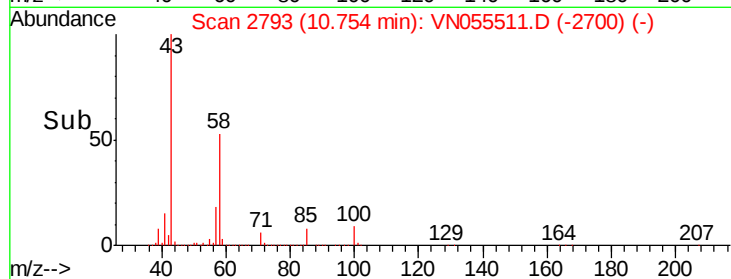
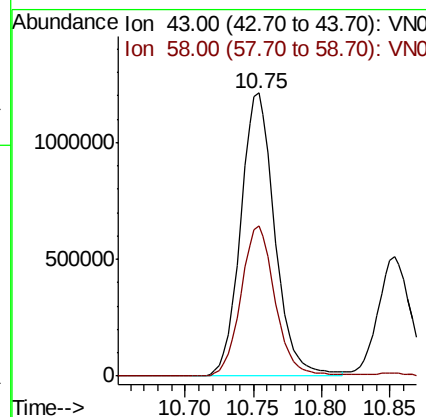
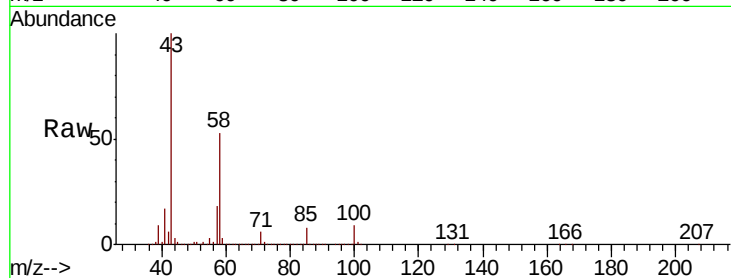




#59
2-Hexanone
Concen: 225.065 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

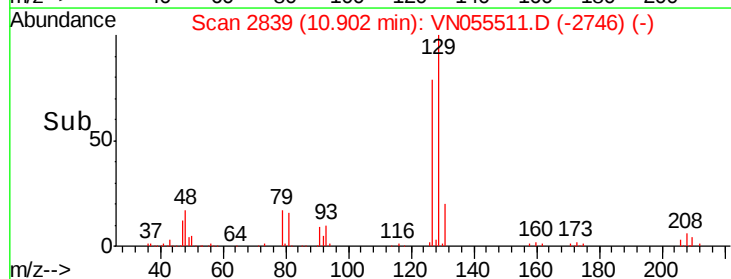
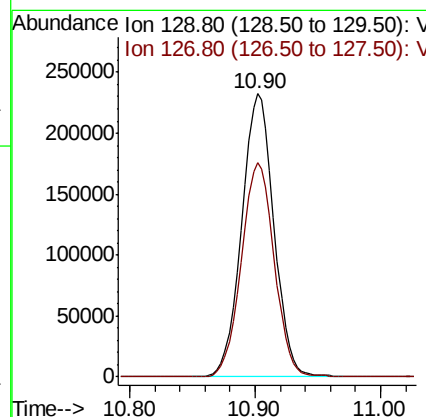
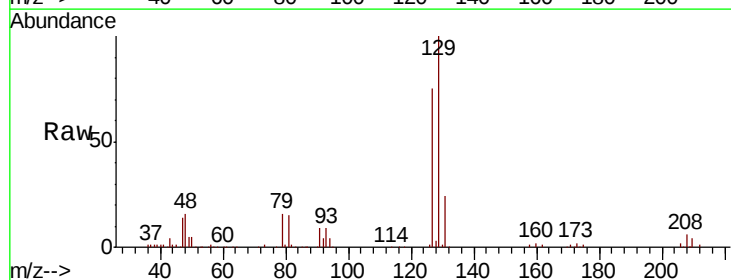
Instrument :
MSVOA_N
ClientSampled :

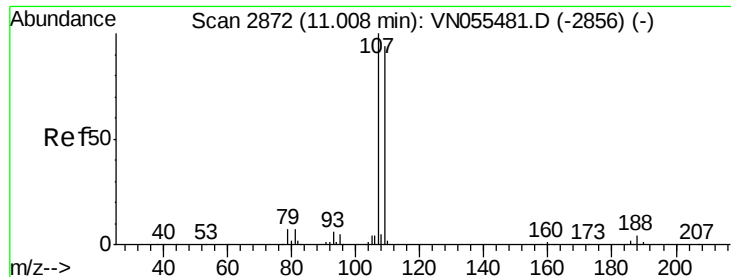
Tot Ion: 43 Resp: 2100973
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 51.826 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 129 Resp: 413687
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.155 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

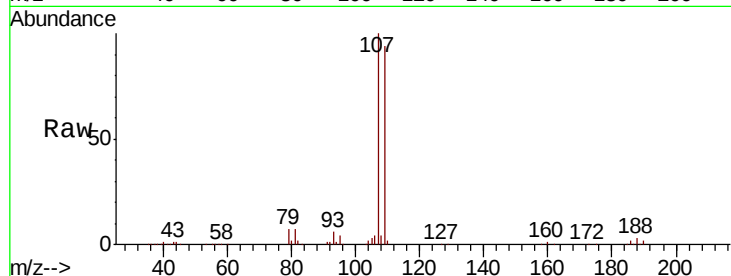
ClientSampled :

Tot Ion:107 Resp: 423072

Ion Ratio Lower Upper

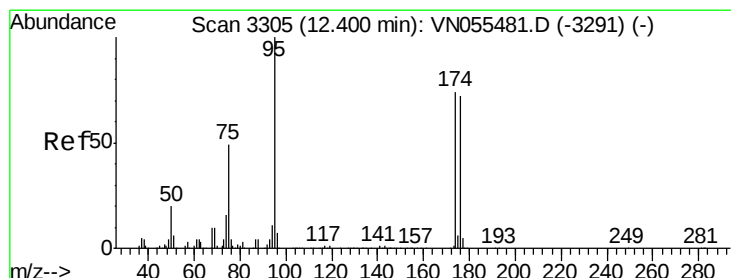
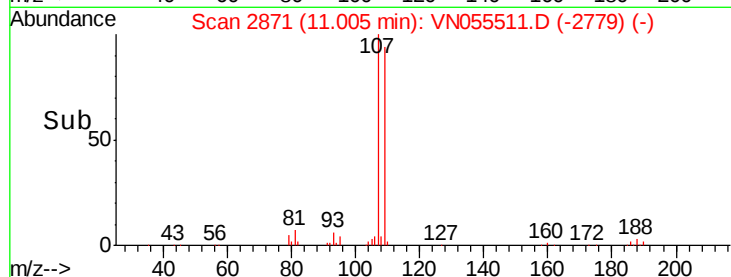
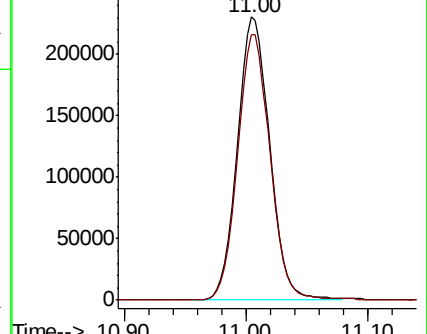
107 100

109 94.6 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.926 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

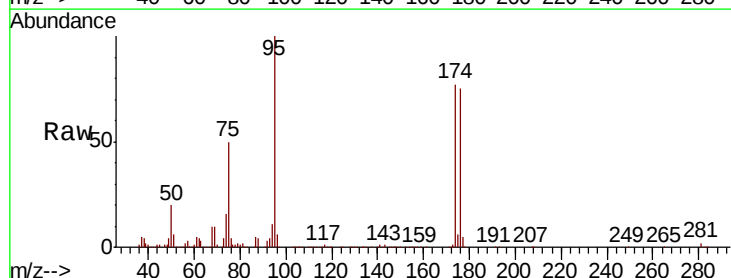
Tgt Ion: 95 Resp: 545609

Ion Ratio Lower Upper

95 100

174 77.9 0.0 152.2

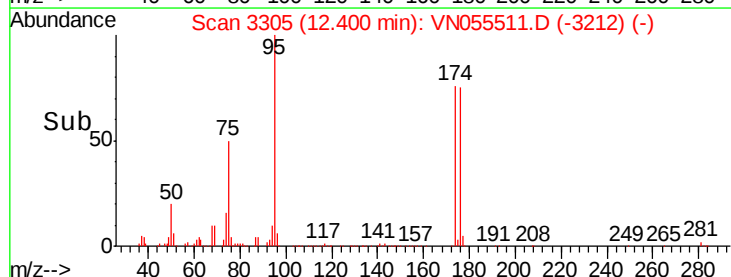
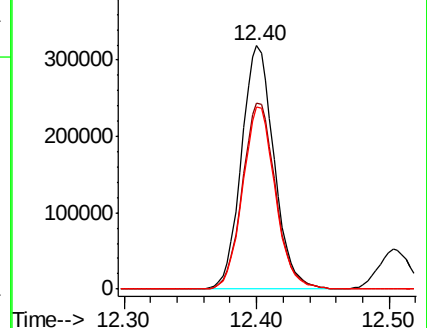
176 75.0 0.0 147.8

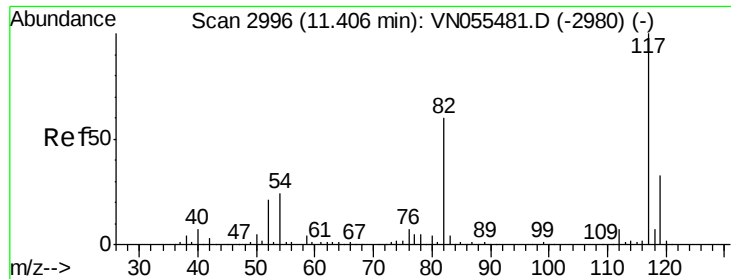


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

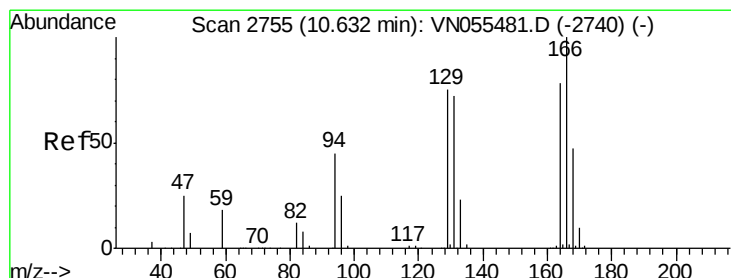
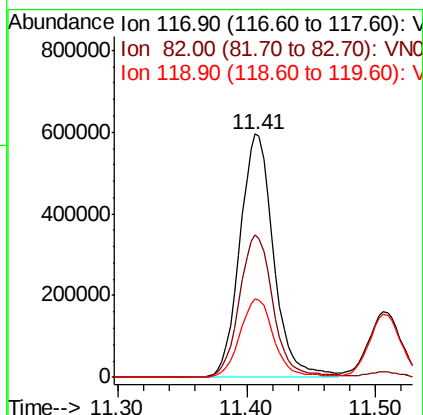
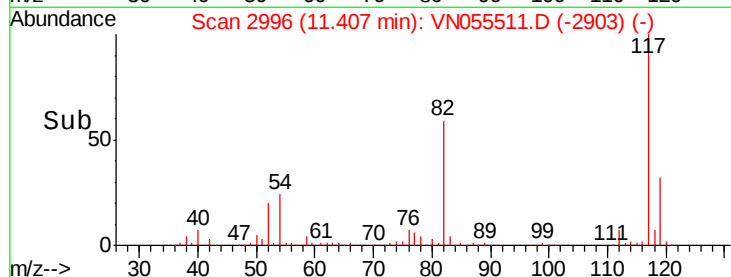
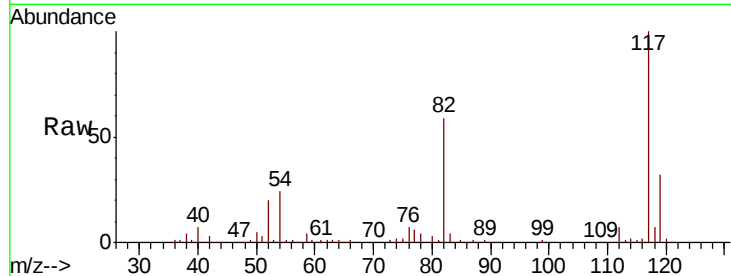




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

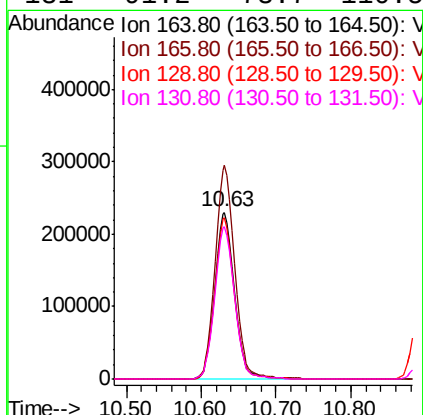
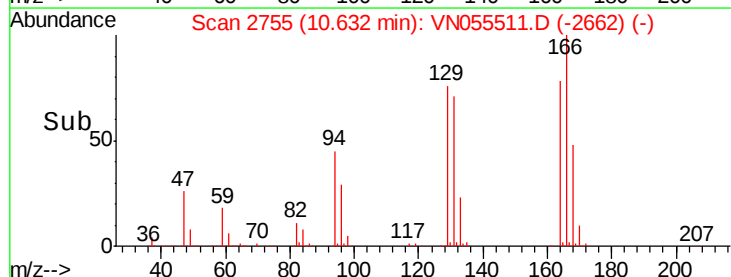
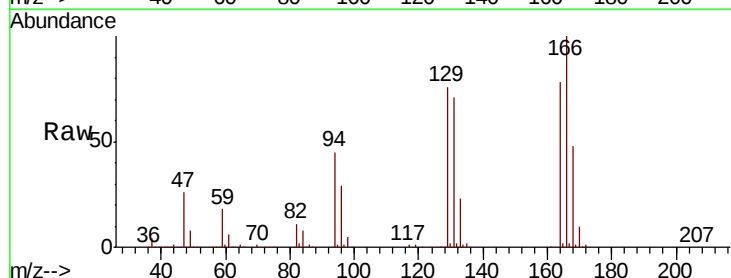
Instrument :
MSVOA_N
ClientSampled :

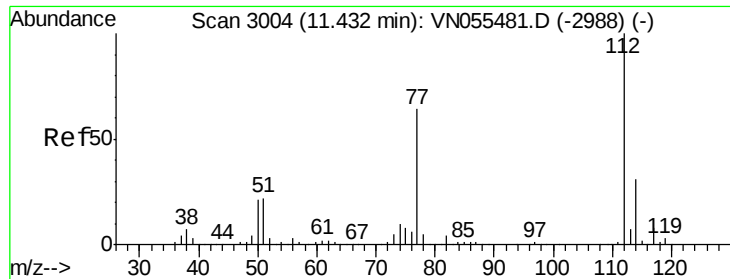
Tot Ion:117 Resp: 1082625
Ion Ratio Lower Upper
117 100
82 58.7 48.0 72.0
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 47.716 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:164 Resp: 423290
Ion Ratio Lower Upper
164 100
166 128.1 102.6 153.8
129 96.7 77.0 115.6
131 91.2 73.7 110.5

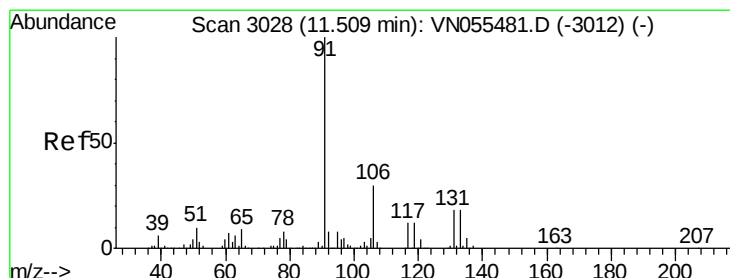
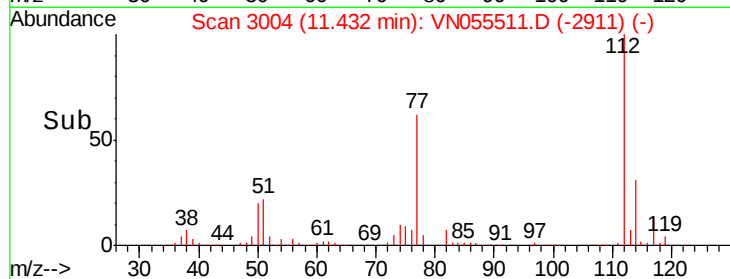
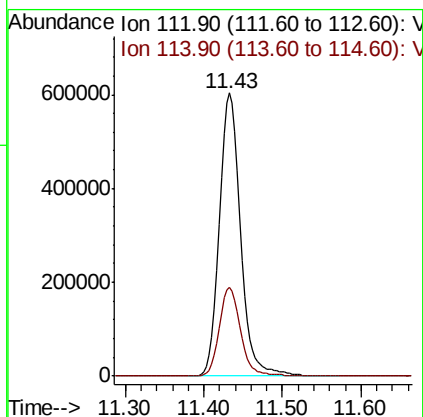
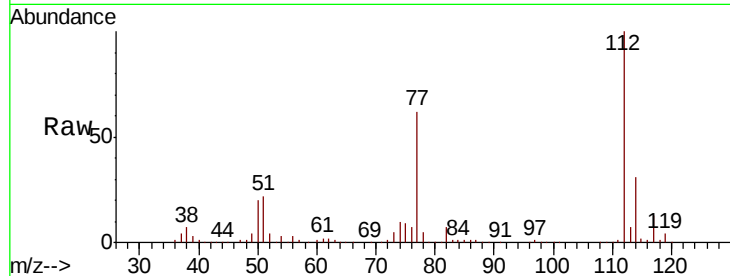




#65
Chlorobenzene
Concen: 50.131 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

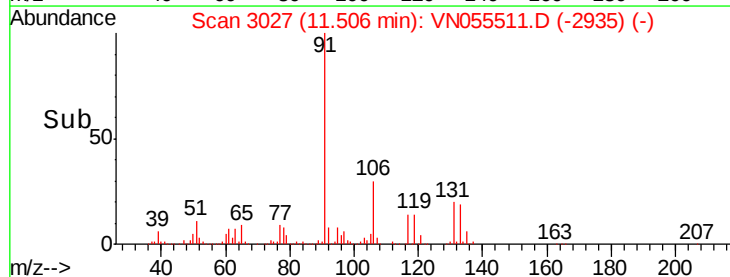
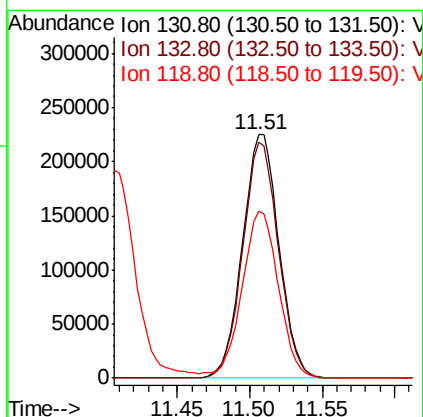
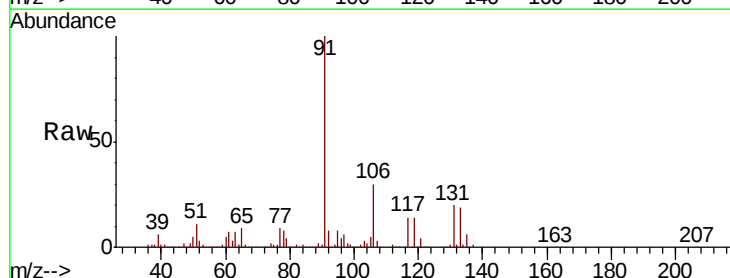
Instrument :
MSVOA_N
ClientSampleId :

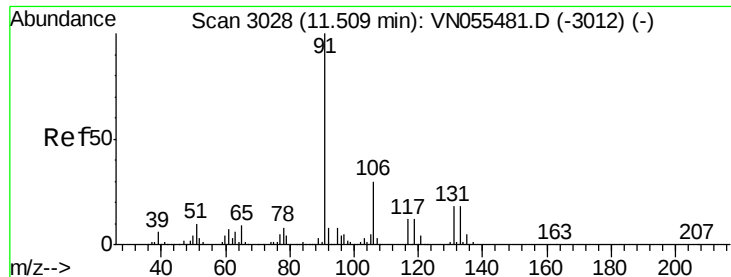
Tot Ion:112 Resp: 1116582
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.268 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:131 Resp: 393122
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 68.3 34.1 102.2

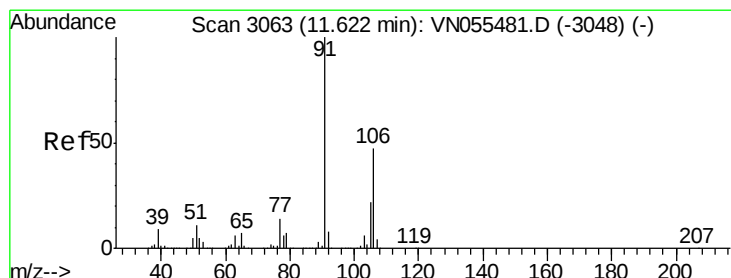
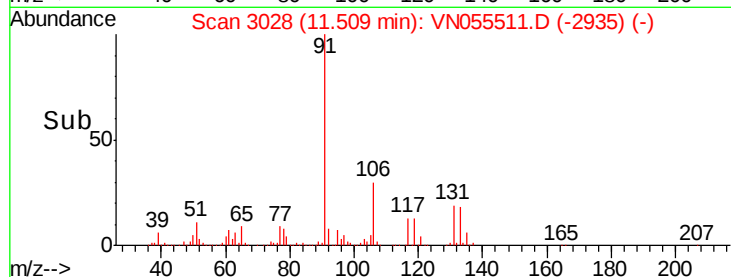
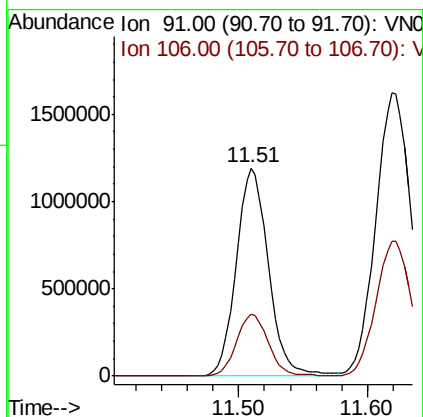
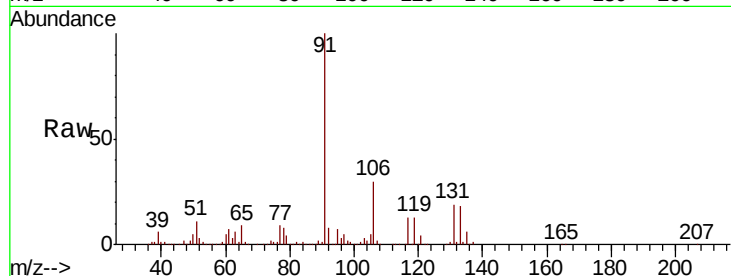




#67
Ethyl Benzene
Concen: 49.529 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

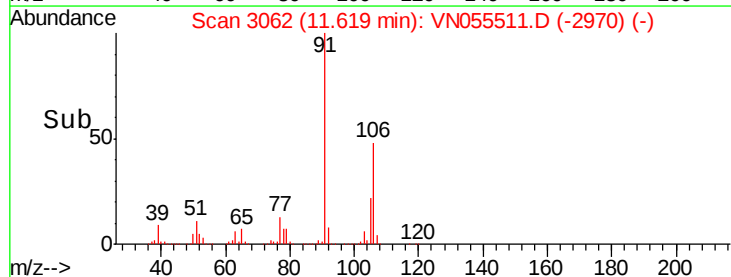
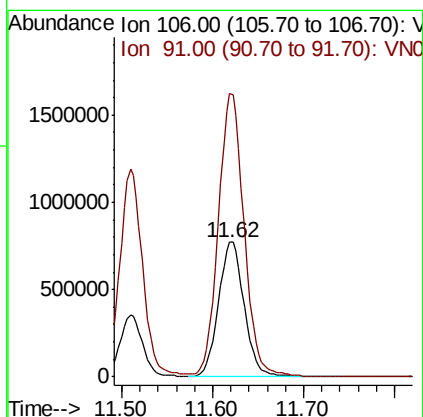
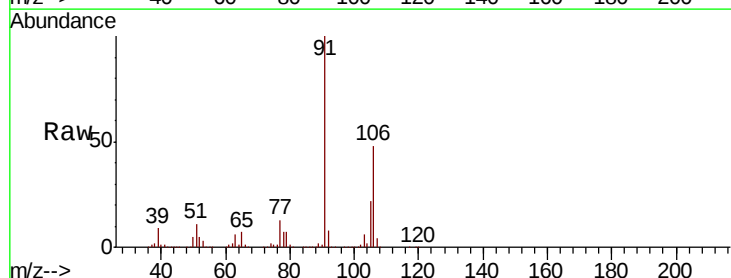
Instrument :
MSVOA_N
ClientSampled :

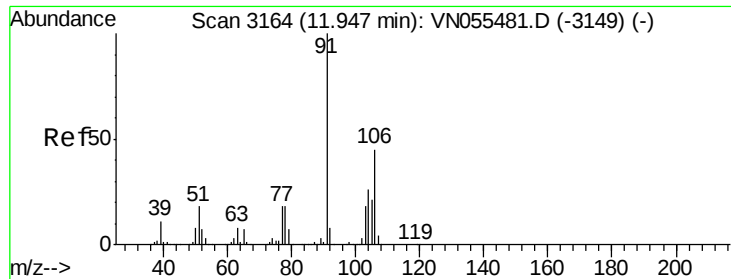
Tot Ion: 91 Resp: 2071946
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 101.043 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 106 Resp: 1516930
Ion Ratio Lower Upper
106 100
91 210.3 169.2 253.8

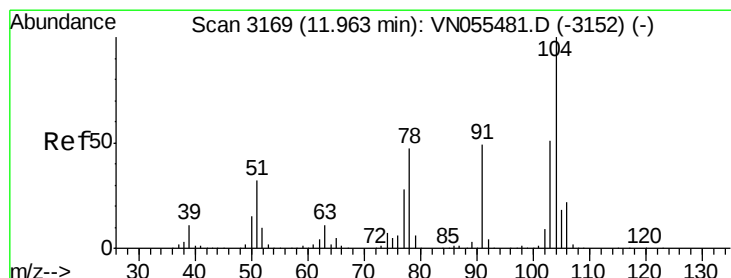
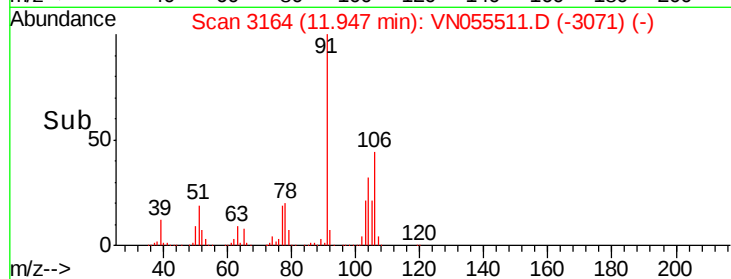
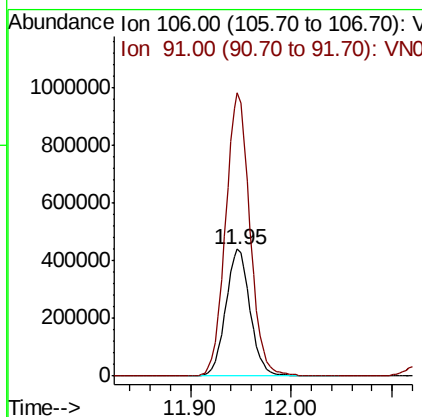
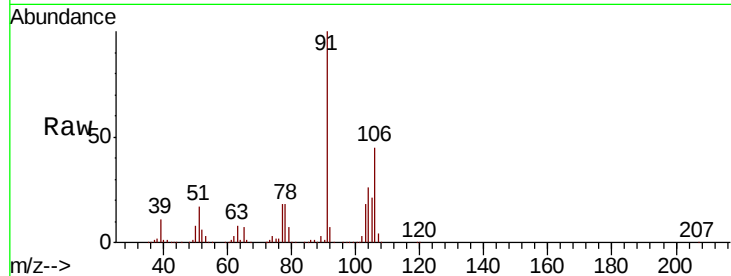




#69
o-Xylene
Concen: 50.298 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

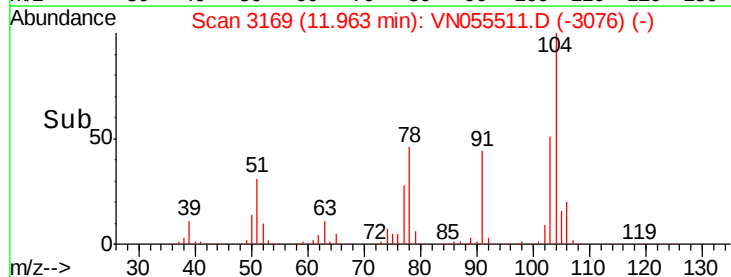
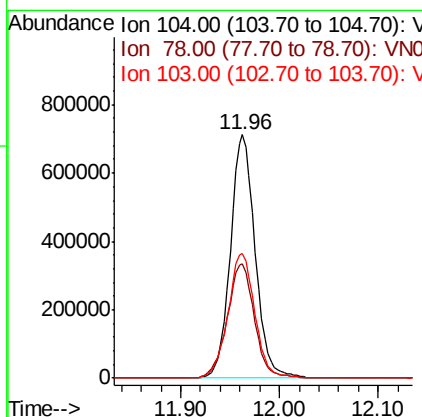
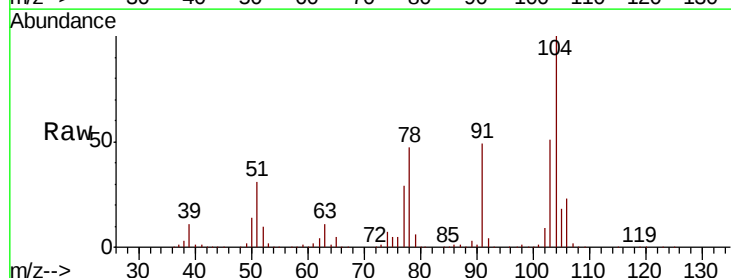
Instrument :
MSVOA_N
ClientSampled :

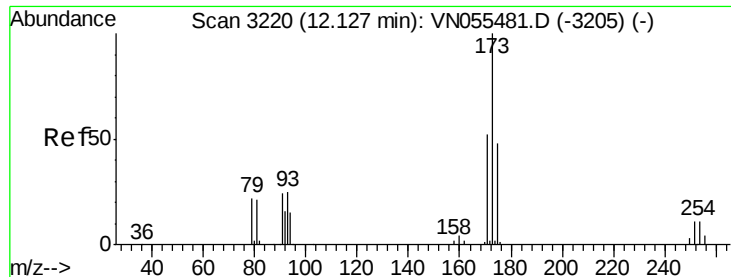
Tot Ion:106 Resp: 742176
Ion Ratio Lower Upper
106 100
91 223.2 111.3 333.8



#70
Styrene
Concen: 52.740 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:104 Resp: 1246769
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.8 44.4 66.6





#71

Bromoform

Concen: 52.252 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

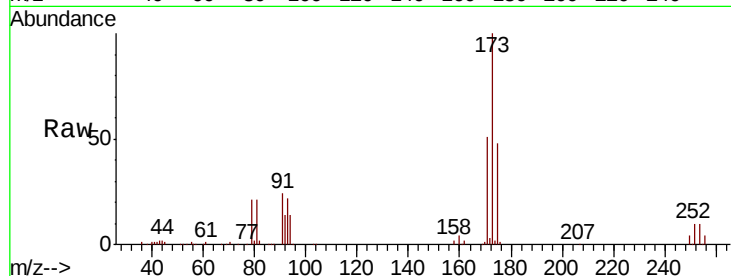
Tot Ion:173 Resp: 270372

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.4

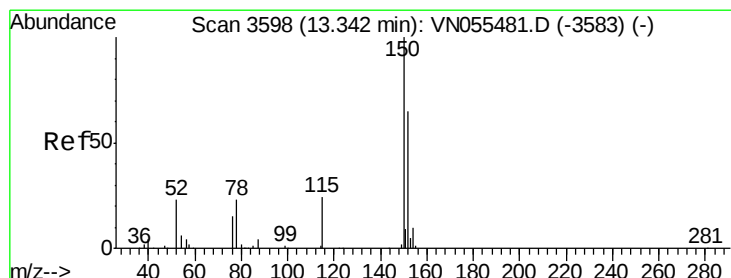
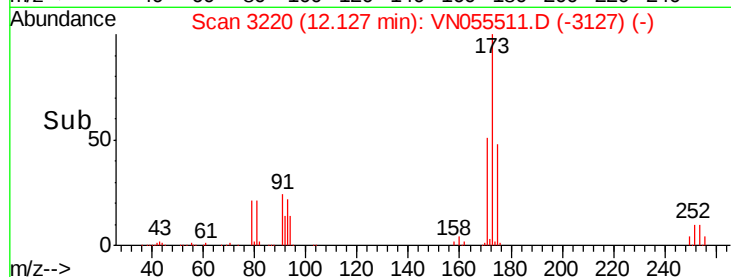
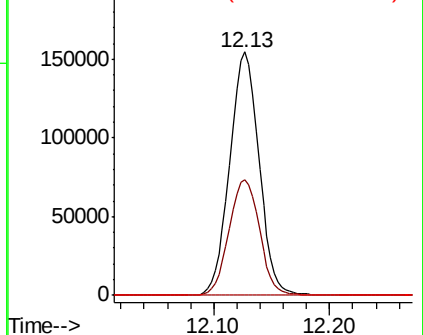
254 0.1 0.1 0.1



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: VN055511.D

Acq: 9 May 2019 21:29

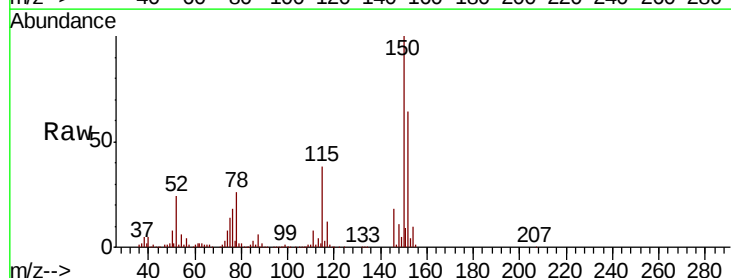
Tgt Ion:152 Resp: 458123

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

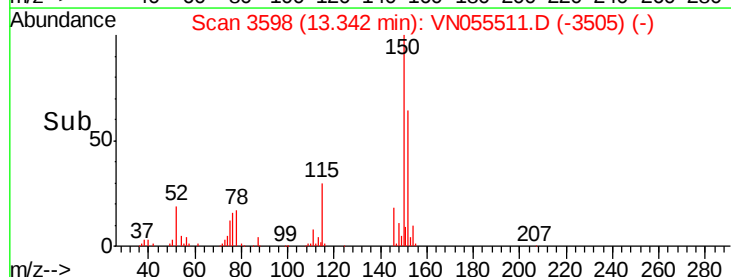
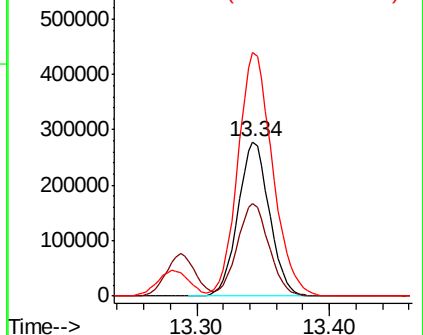
150 174.2 0.0 355.0

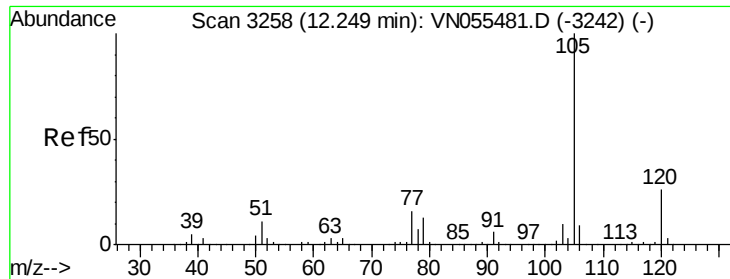


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.377 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

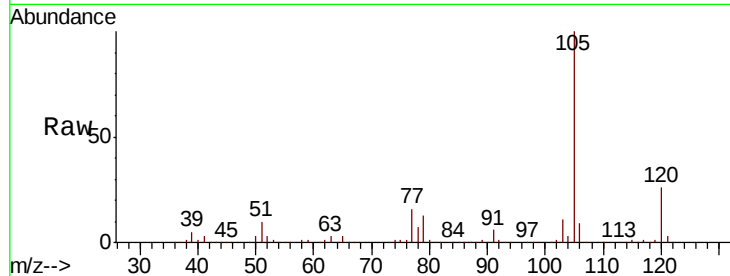
ClientSampleId :

Tot Ion:105 Resp: 1974050

Ion Ratio Lower Upper

105 100

120 25.6 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

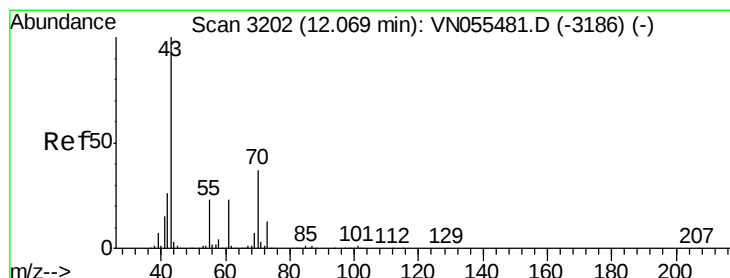
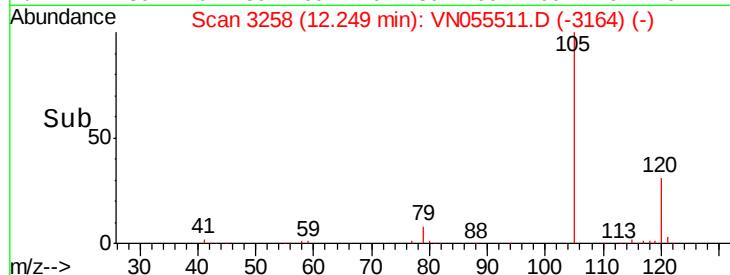
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 45.732 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Tgt Ion: 43 Resp: 795416

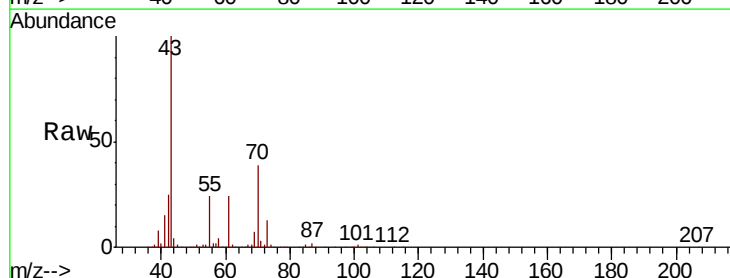
Ion Ratio Lower Upper

43 100

70 39.5 30.7 46.1

55 24.6 19.3 28.9

61 23.6 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

12.07

600000

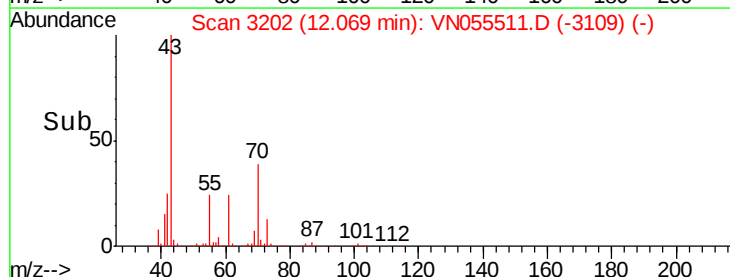
400000

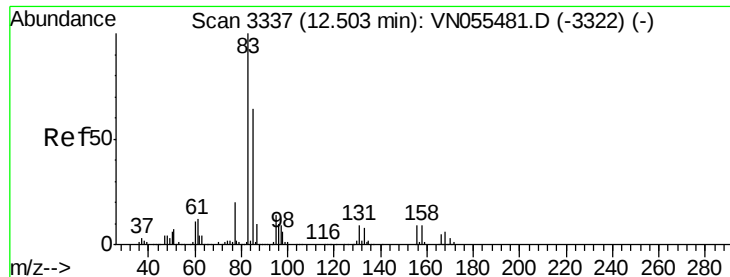
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 50.218 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

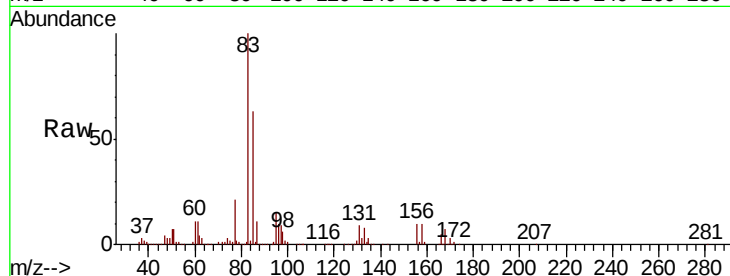
Tot Ion: 83 Resp: 616665

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

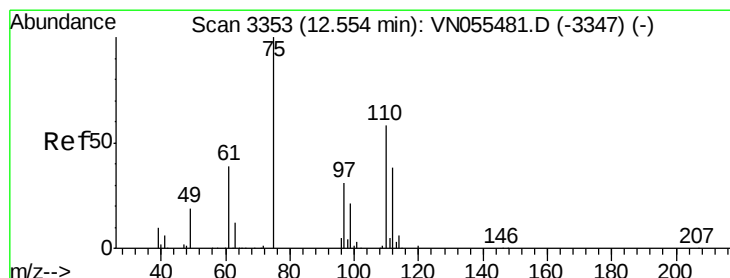
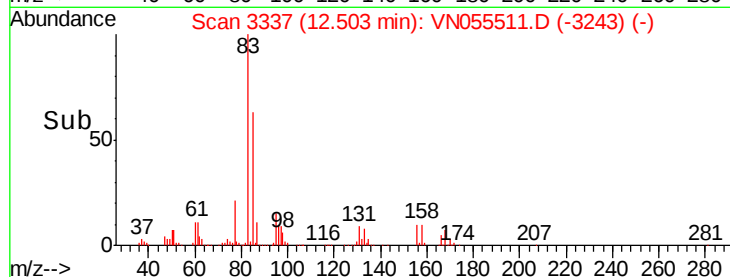
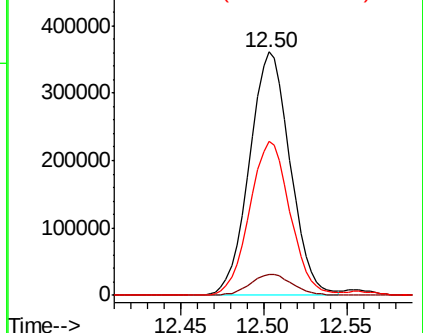
85 63.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055511.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055511.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055511.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 58.960 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055511.D

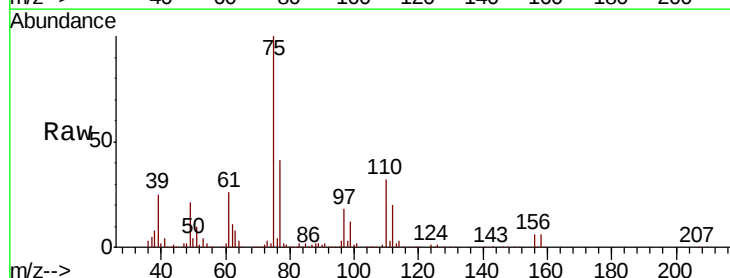
Acq: 9 May 2019 21:29

Tgt Ion: 75 Resp: 735334

Ion Ratio Lower Upper

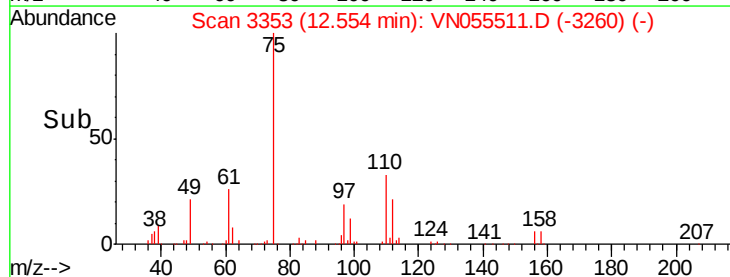
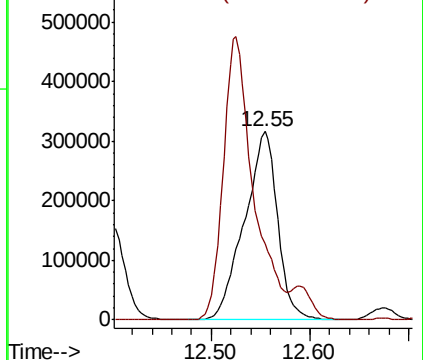
75 100

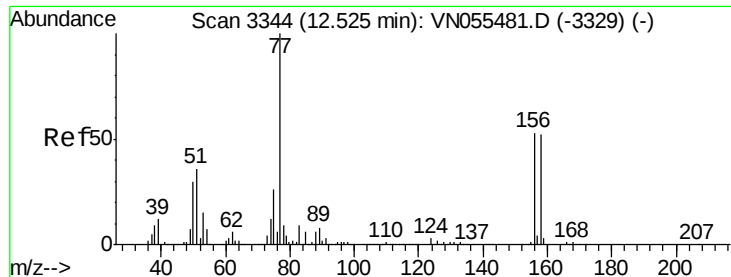
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055511.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055511.D (-3260) (-)





#77

Bromobenzene

Concen: 44.960 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampleId :

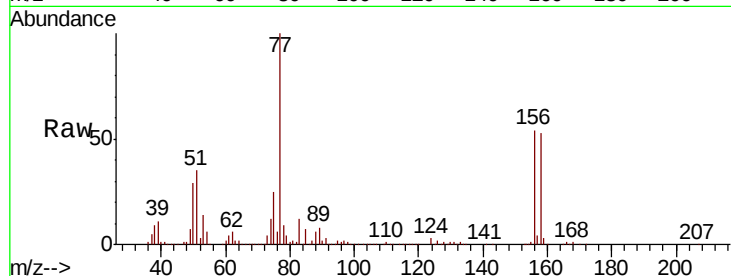
Tot Ion:156 Resp: 453919

Ion Ratio Lower Upper

156 100

77 224.5 115.4 346.2

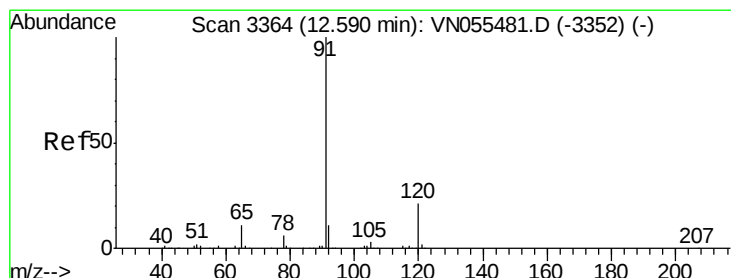
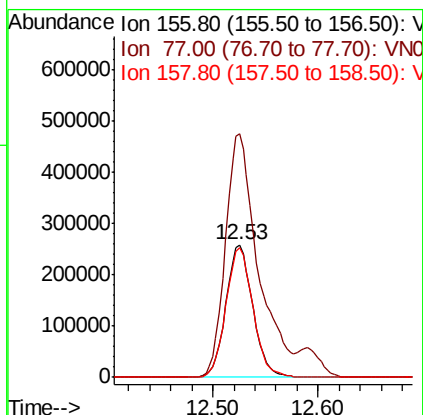
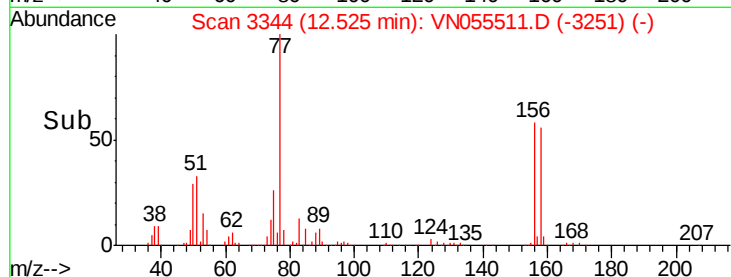
158 98.8 48.7 146.1



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: 45.798 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055511.D

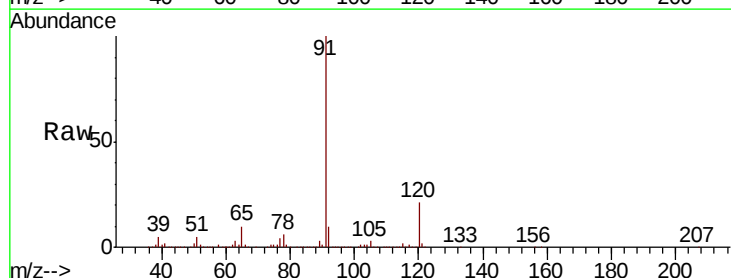
Acq: 9 May 2019 21:29

Tgt Ion: 91 Resp: 2250328

Ion Ratio Lower Upper

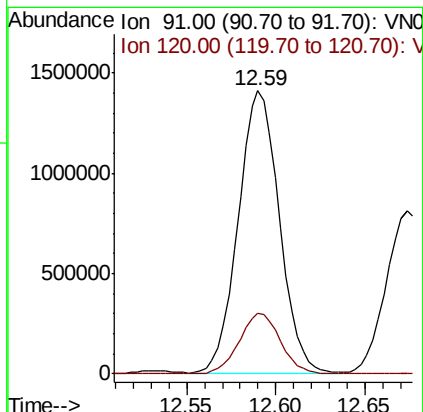
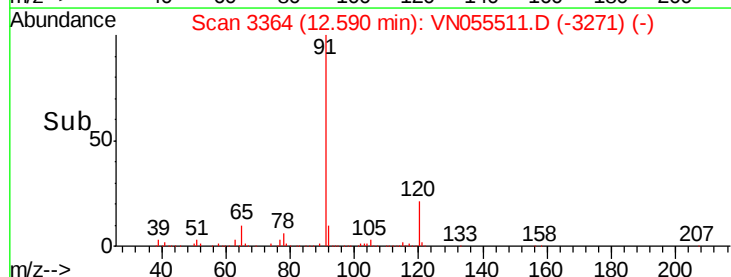
91 100

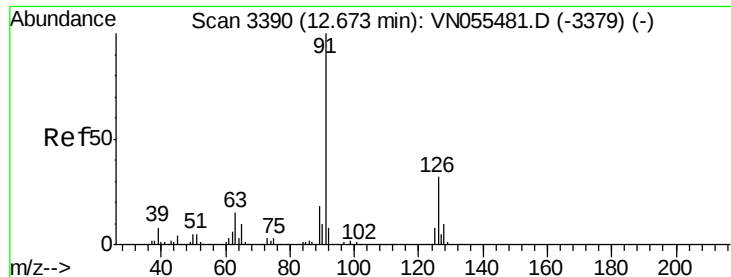
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.399 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

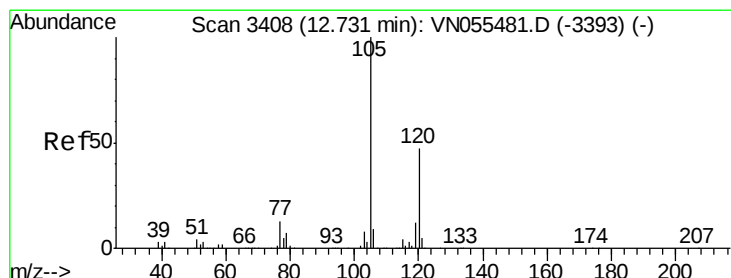
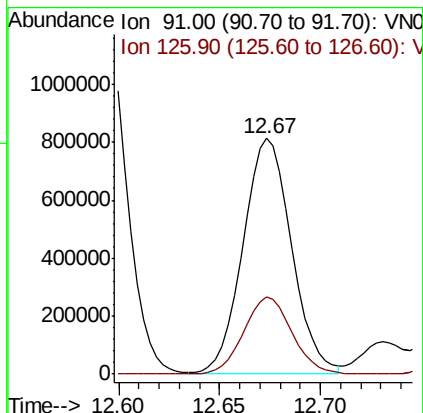
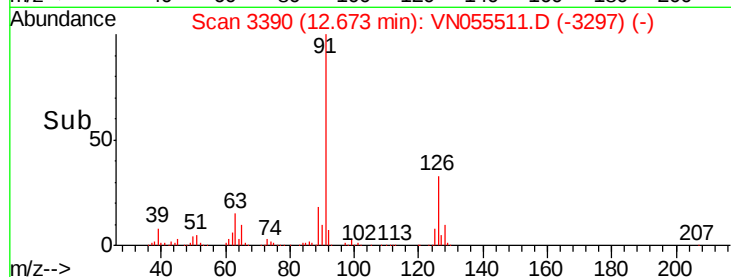
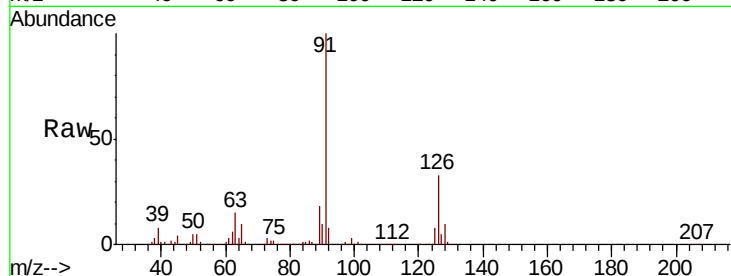
ClientSampled :

Tot Ion: 91 Resp: 1359604

Ion Ratio Lower Upper

91 100

126 32.9 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 45.735 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055511.D

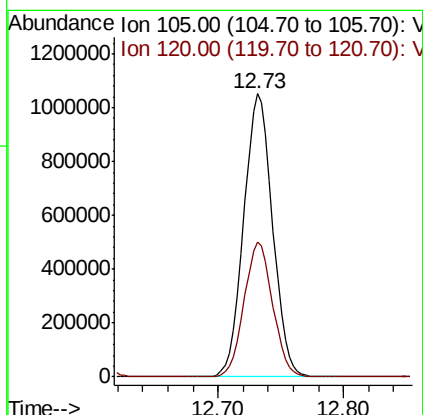
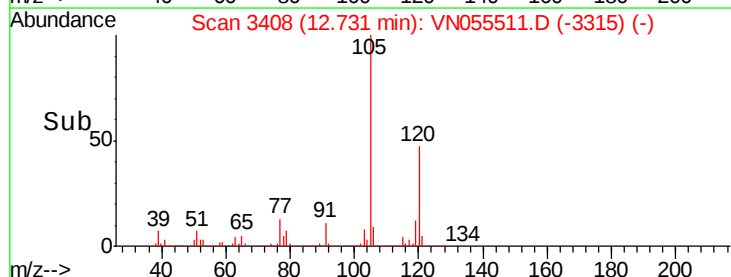
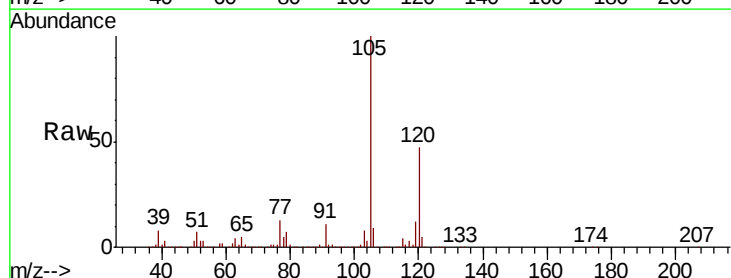
Acq: 9 May 2019 21:29

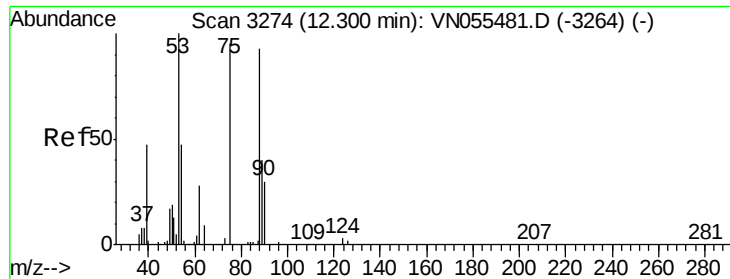
Tgt Ion:105 Resp: 1675647

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.097 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

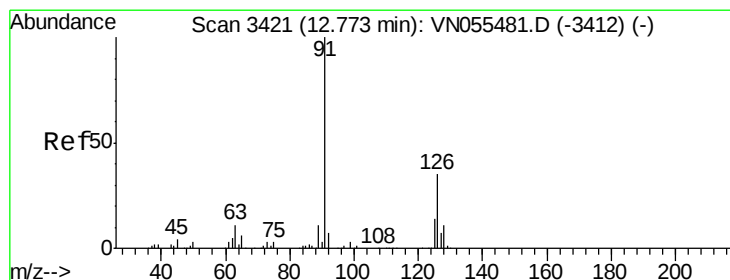
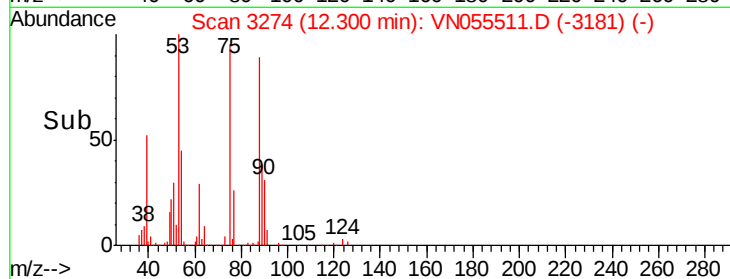
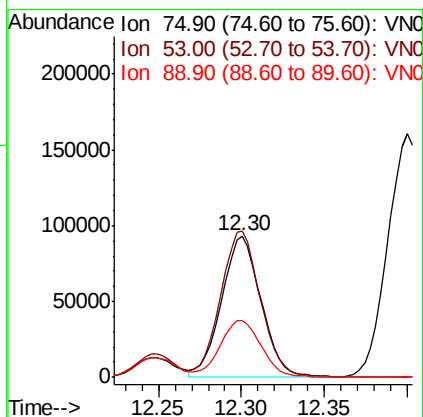
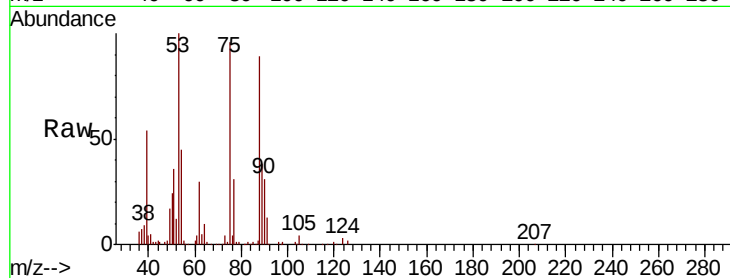
Tot Ion: 75 Resp: 152428

Ion Ratio Lower Upper

75 100

53 107.1 86.5 129.7

89 42.4 35.7 53.5



#82

4-Chlorotoluene

Concen: 46.312 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055511.D

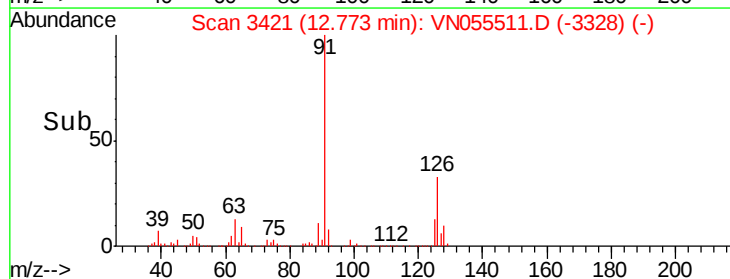
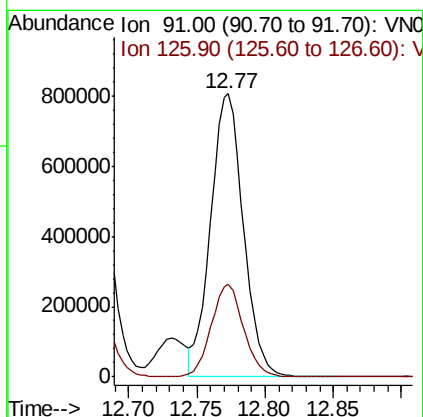
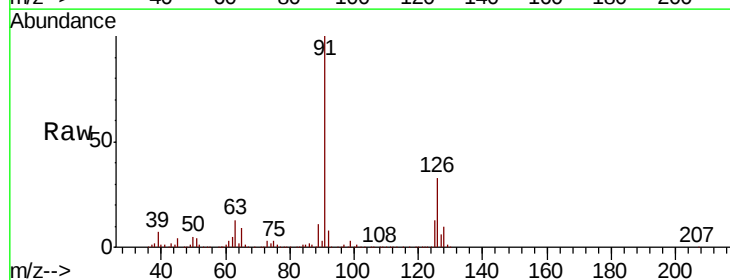
Acq: 9 May 2019 21:29

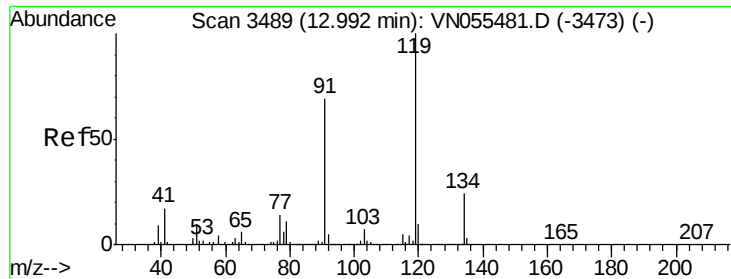
Tgt Ion: 91 Resp: 1340040

Ion Ratio Lower Upper

91 100

126 32.3 15.7 47.0

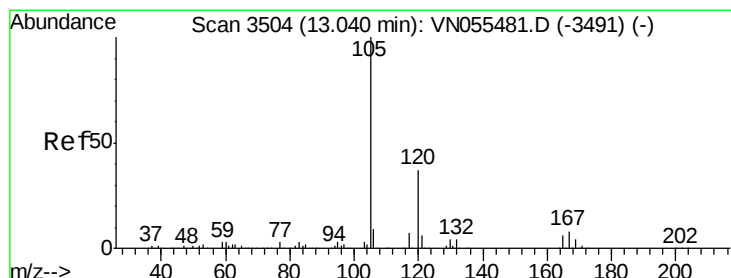
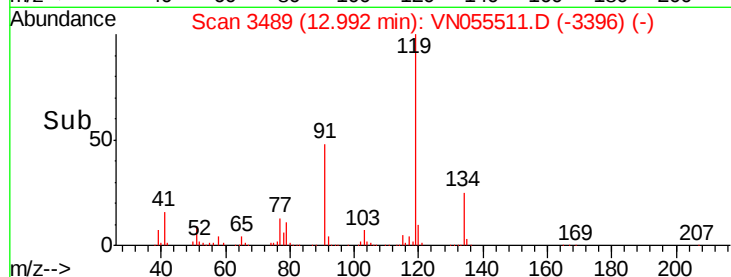
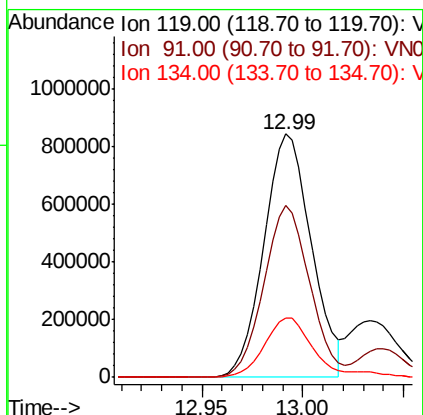
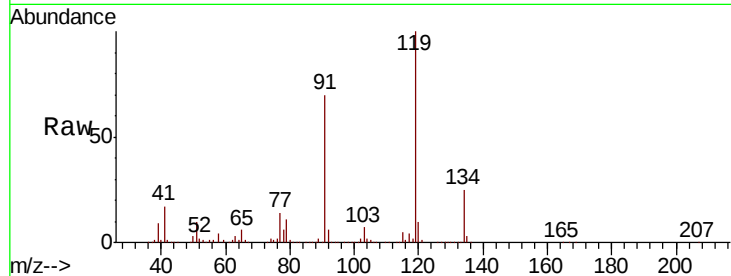




#83
tert-Butylbenzene
Concen: 44.079 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

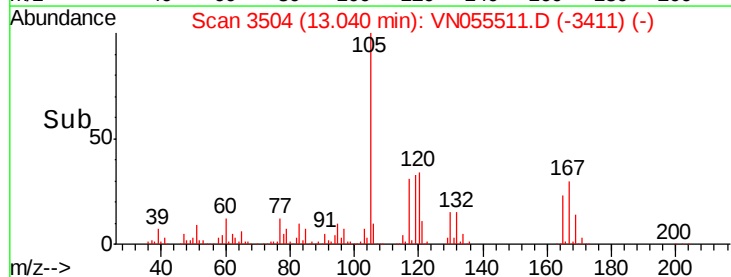
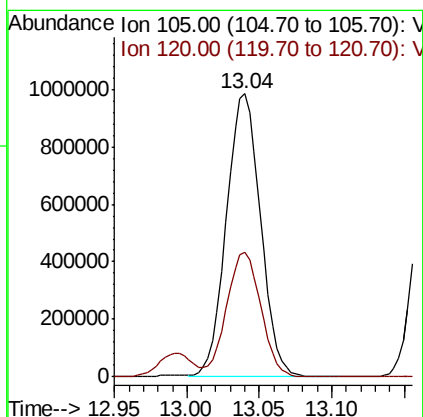
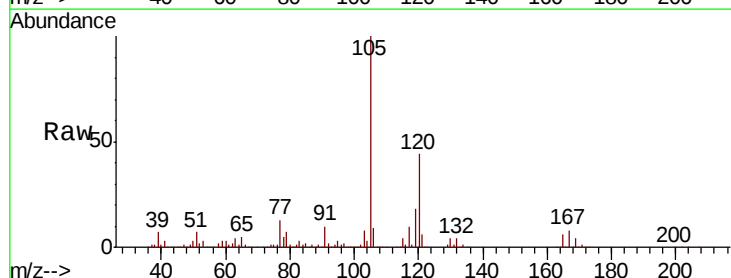
Instrument :
MSVOA_N
ClientSampleId :

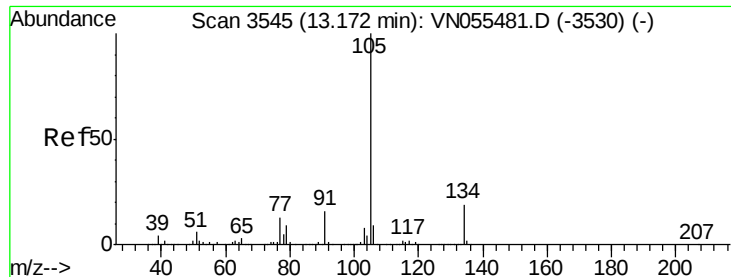
Tot Ion:119 Resp: 1384275
Ion Ratio Lower Upper
119 100
91 68.2 33.8 101.3
134 26.0 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 47.844 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:105 Resp: 1607661
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.037 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

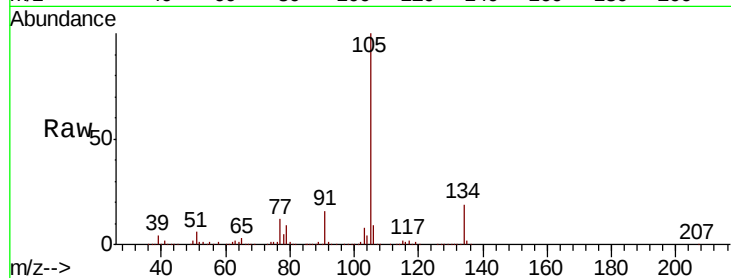
ClientSampleId :

Tot Ion:105 Resp: 1879699

Ion Ratio Lower Upper

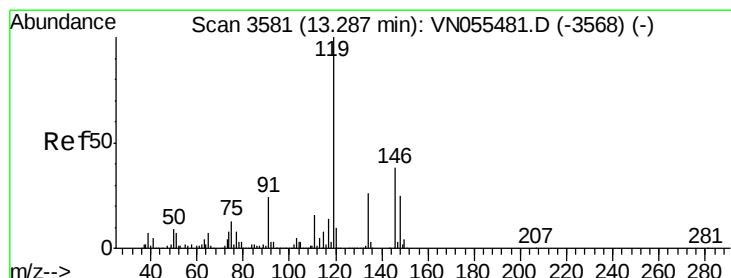
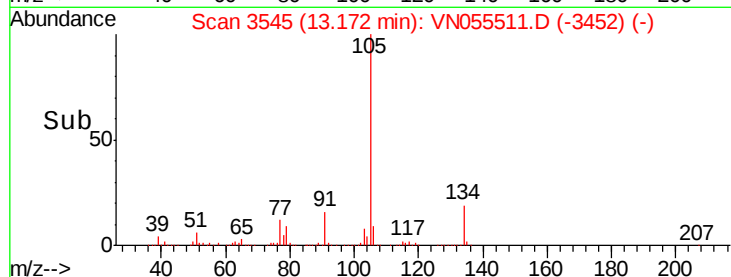
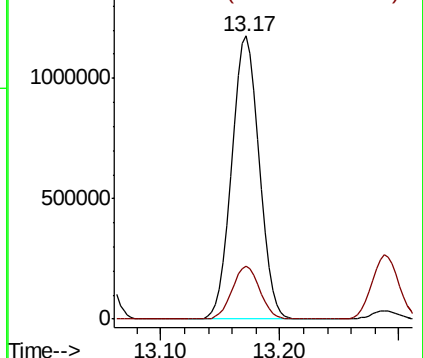
105 100

134 18.8 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: 47.308 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

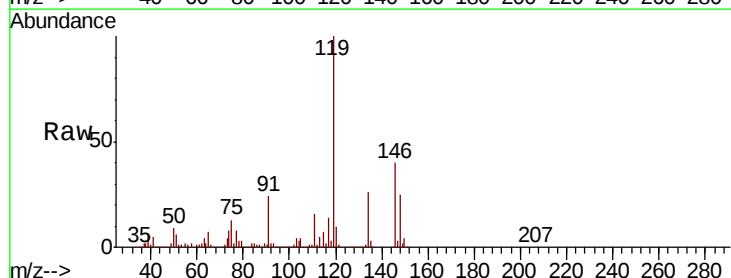
Tgt Ion:119 Resp: 1606943

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

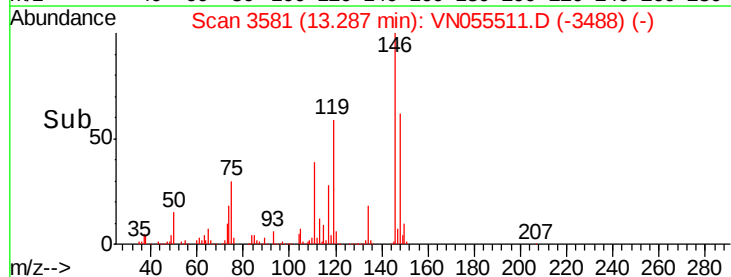
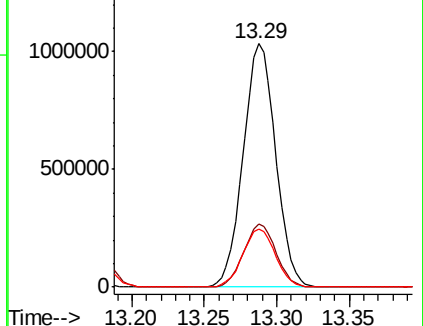
91 23.9 12.0 36.0

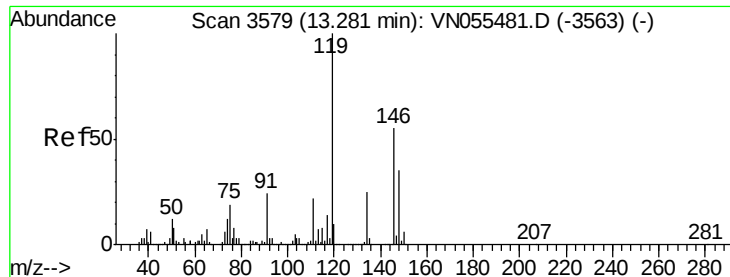


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.923 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

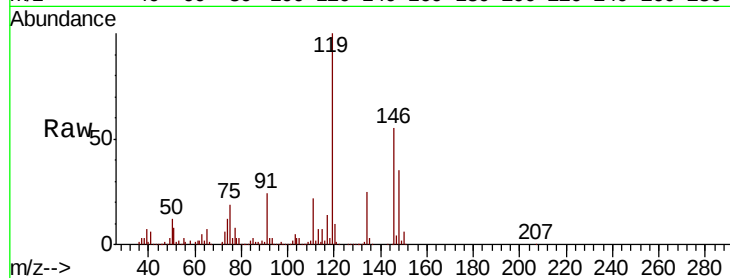
Tot Ion:146 Resp: 763242

Ion Ratio Lower Upper

146 100

111 40.6 20.4 61.3

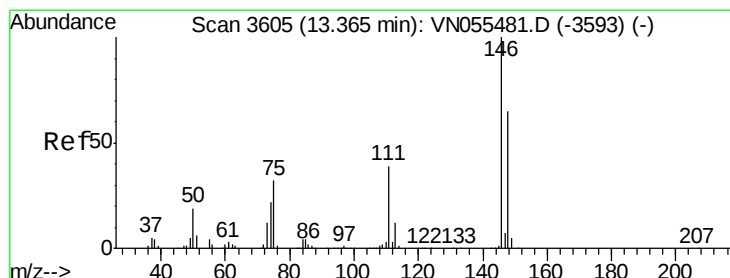
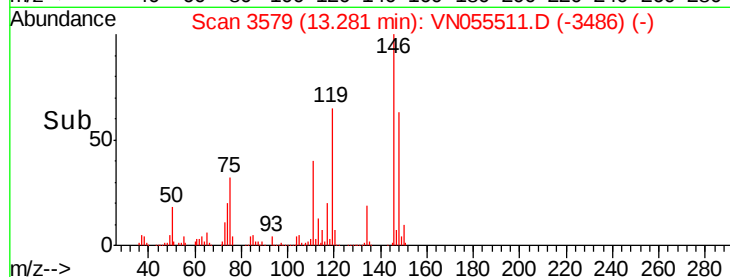
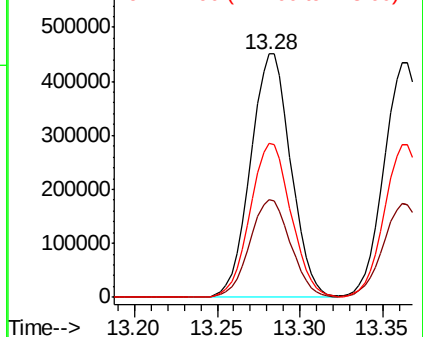
148 64.1 32.1 96.5



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: 48.250 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

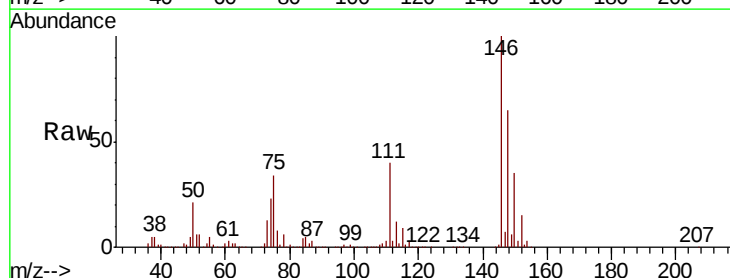
Tgt Ion:146 Resp: 742868

Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.8

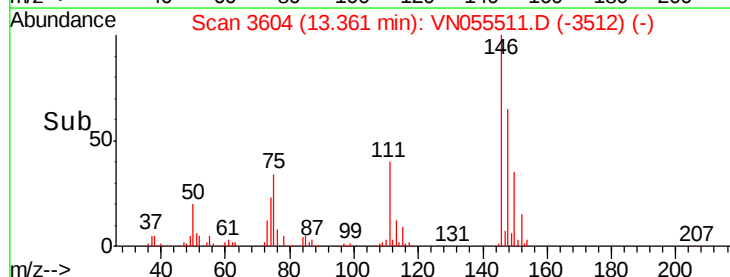
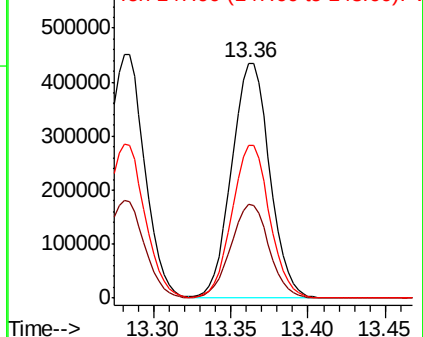
148 64.4 32.5 97.4

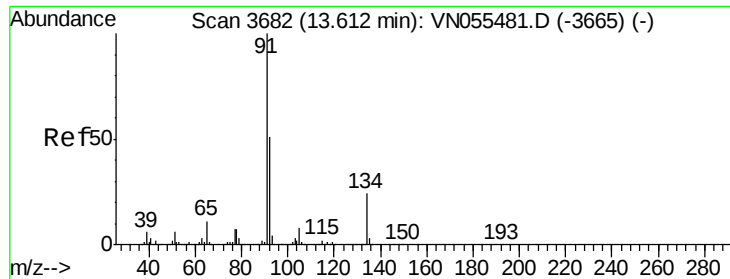


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

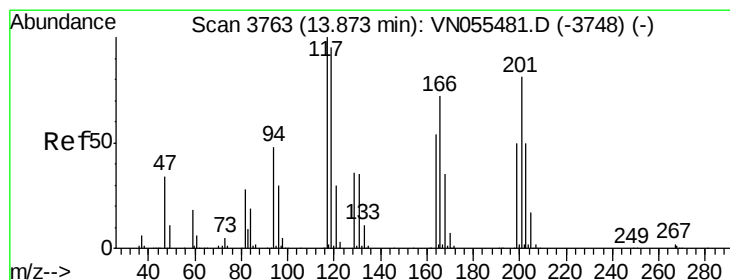
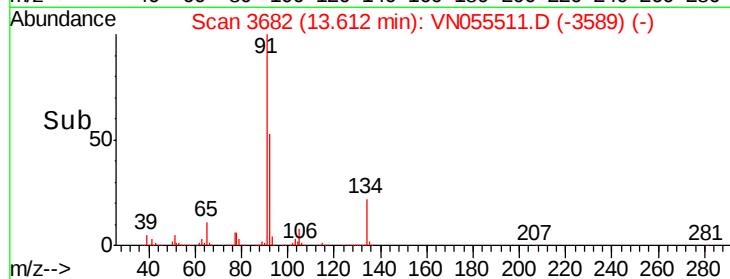
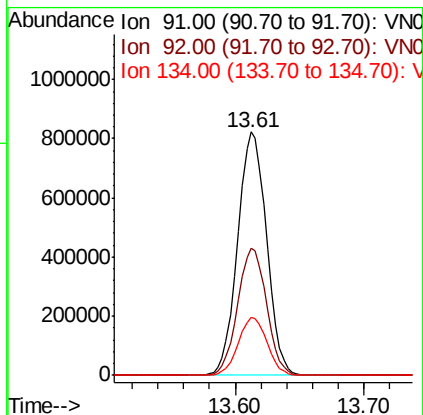
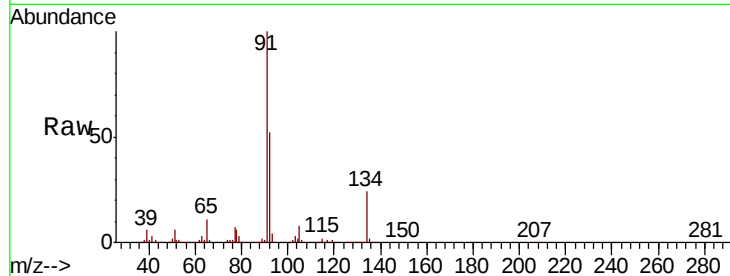




#89
n-Butylbenzene
Concen: 48.627 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

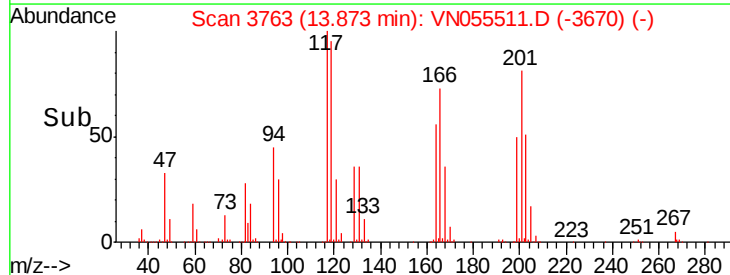
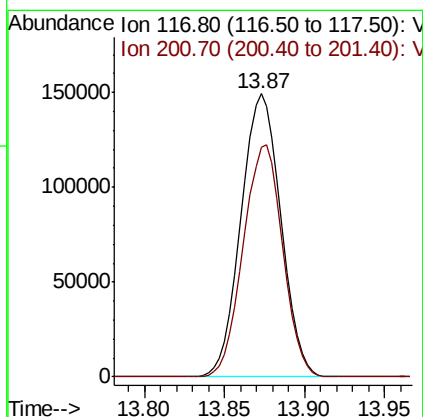
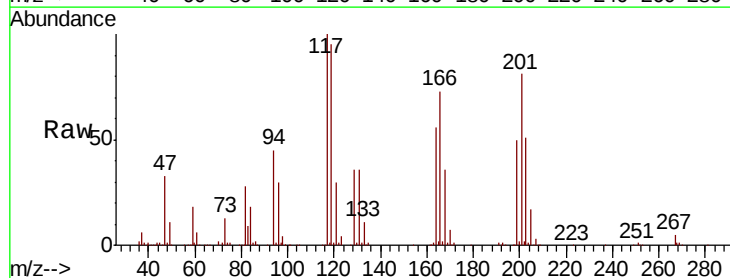
Instrument :
MSVOA_N
ClientSampleId :

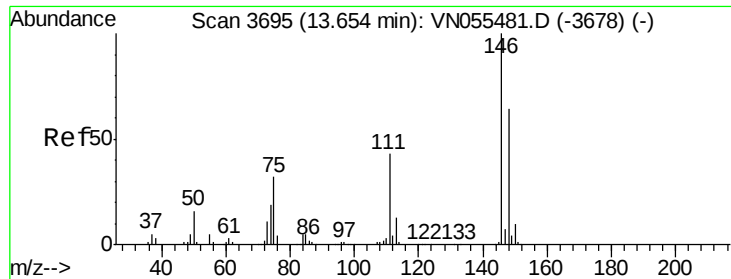
Tot Ion: 91 Resp: 1280316
Ion Ratio Lower Upper
91 100
92 52.3 25.9 77.7
134 23.8 11.8 35.4



#90
Hexachloroethane
Concen: 45.753 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion: 117 Resp: 253518
Ion Ratio Lower Upper
117 100
201 81.2 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 48.728 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

Instrument :

MSVOA_N

ClientSampled :

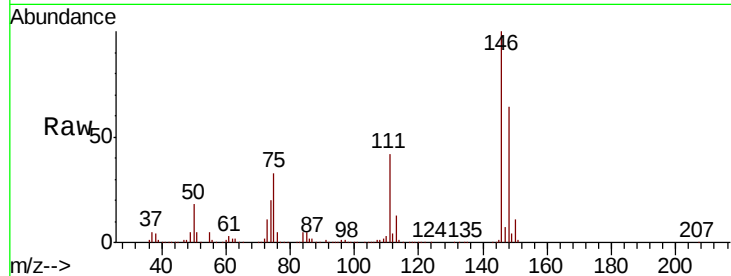
Tot Ion:146 Resp: 759770

Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.7

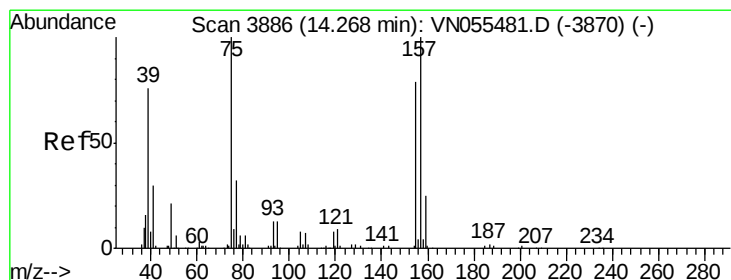
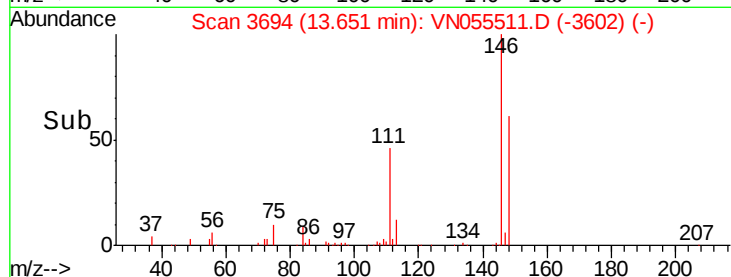
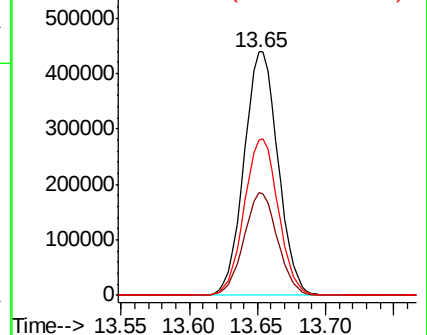
148 64.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.801 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055511.D

Acq: 9 May 2019 21:29

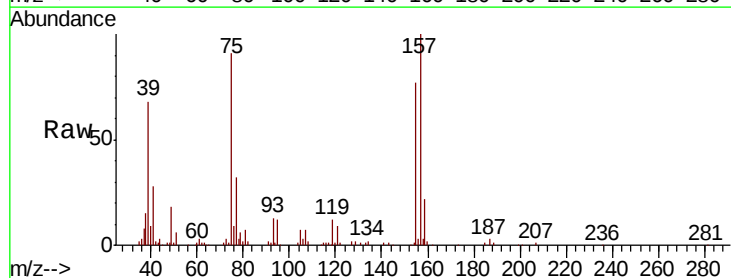
Tgt Ion: 75 Resp: 94380

Ion Ratio Lower Upper

75 100

155 81.1 39.3 117.8

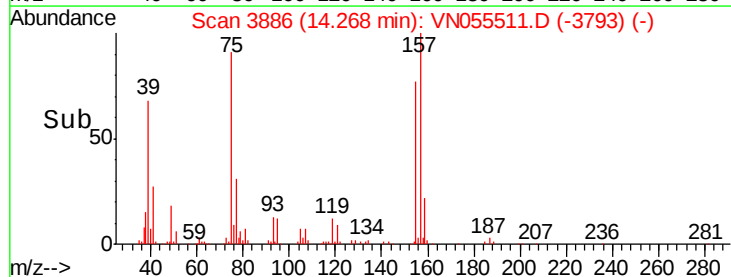
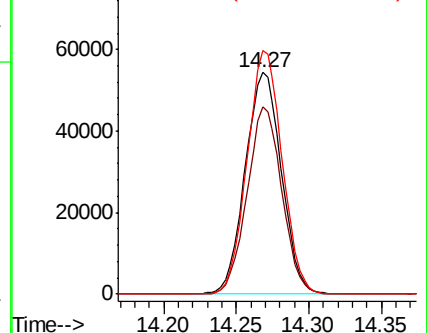
157 106.2 50.6 151.8

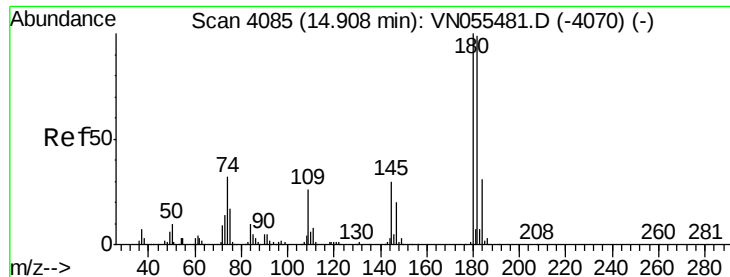


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

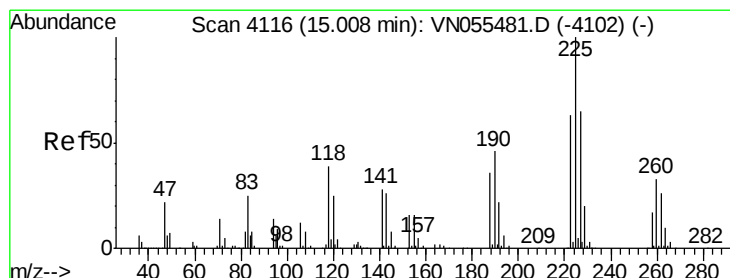
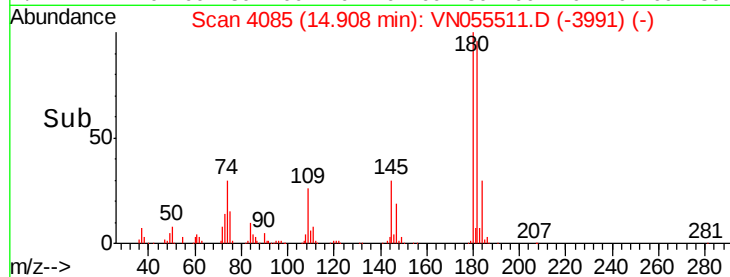
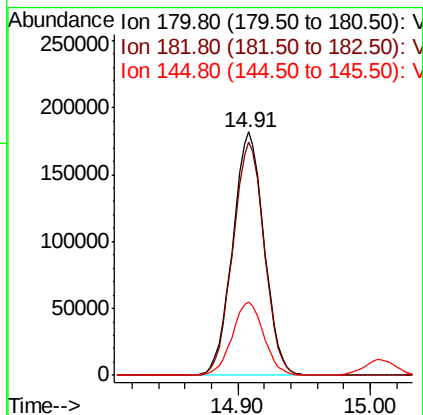
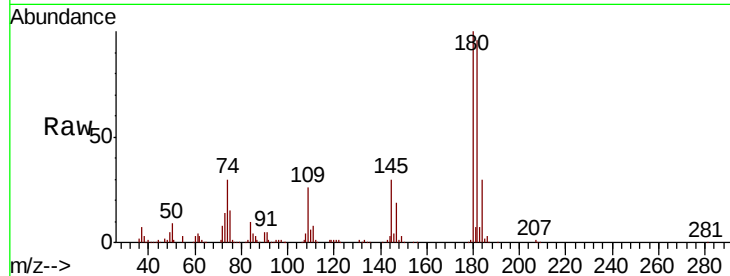




#93
 1,2,4-Trichlorobenzene
 Concen: 44.360 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

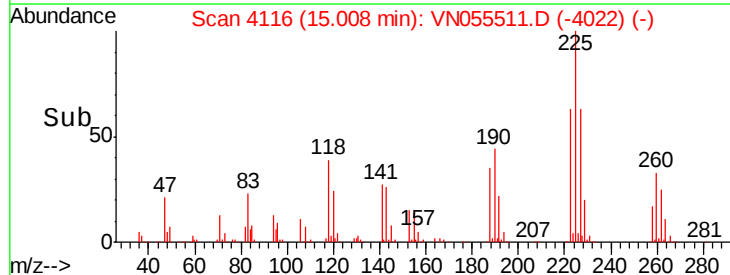
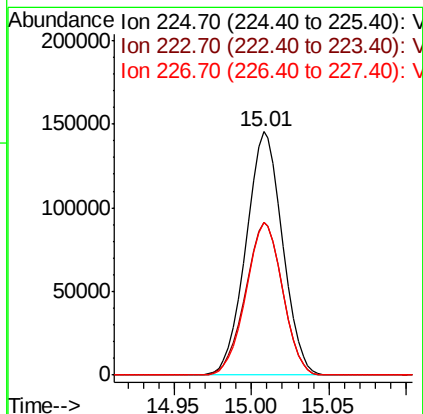
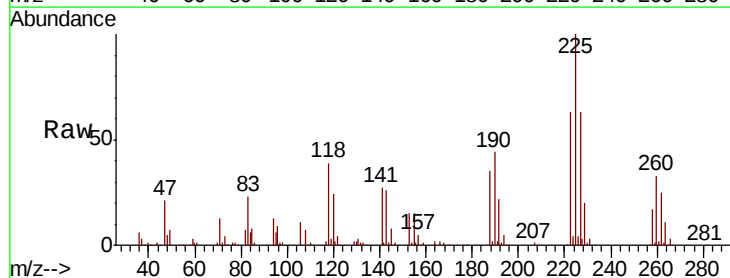
Instrument :
 MSVOA_N
 ClientSampleId :

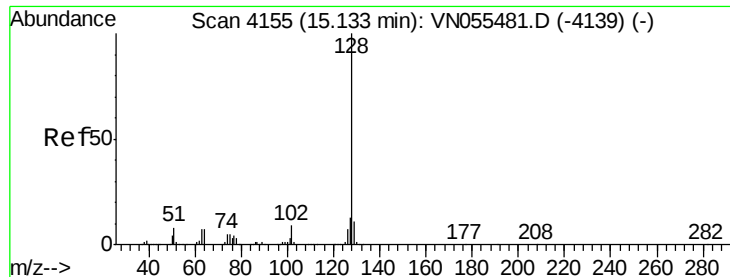
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.7	146.1
145	30.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 51.879 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055511.D
 Acq: 9 May 2019 21:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.3
227	62.6	32.0	96.0

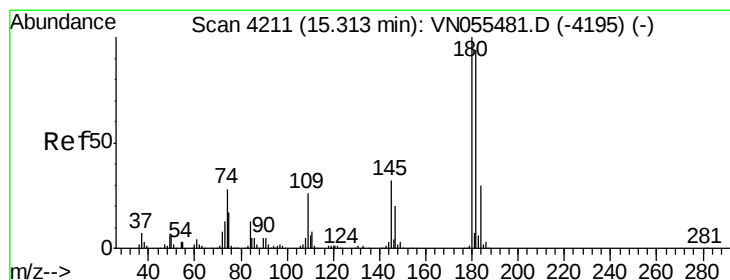
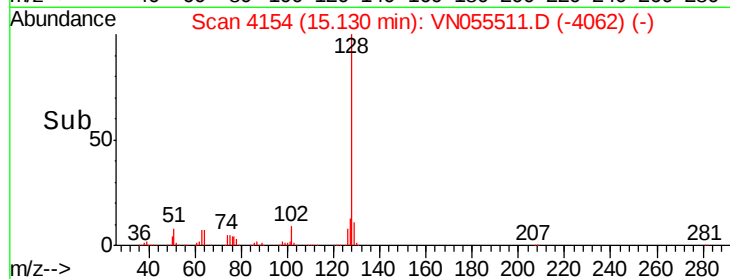
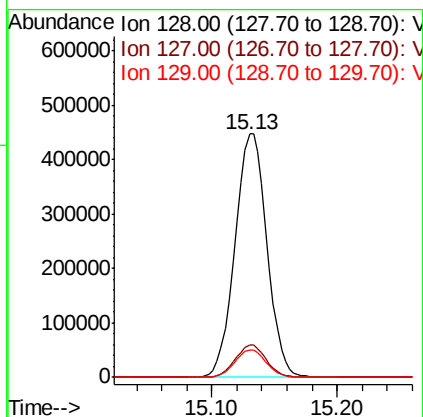
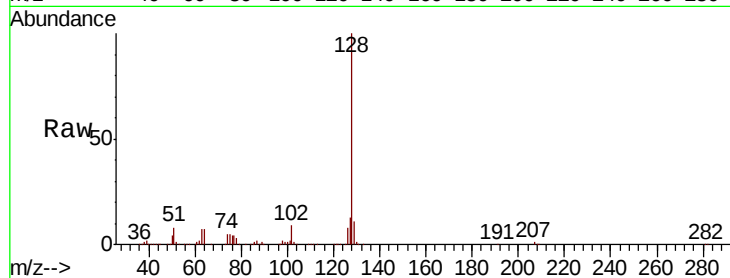




#95
Naphthalene
Concen: 41.841 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 789475
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 44.571 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055511.D
Acq: 9 May 2019 21:29

Tgt Ion:180 Resp: 325634
Ion Ratio Lower Upper
180 100
182 95.6 47.1 141.3
145 31.6 15.8 47.4

