

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055533.D
 Acq On : 10 May 2019 7:04
 Operator : JC/SP
 Sample : K2758-26MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 09:23:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1199116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1046059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	435377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	519173	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.59	113	403863	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.09	98	1551766	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	527709	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	311014	45.526	ug/l	99
3) Chloromethane	2.06	50	510666	46.012	ug/l	99
4) Vinyl Chloride	2.19	62	502593	47.973	ug/l	99
5) Bromomethane	2.54	94	277725	48.383	ug/l	100
6) Chloroethane	2.69	64	311824	51.098	ug/l	98
7) Trichlorofluoromethane	3.01	101	567960	49.416	ug/l	99
8) Diethyl Ether	3.41	74	256587	49.709	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	341928	46.760	ug/l	99
10) Methyl Iodide	3.95	142	495534	50.138	ug/l	99
11) Tert butyl alcohol	4.81	59	335794	225.105	ug/l	99
12) 1,1-Dichloroethene	3.73	96	364718	49.732	ug/l	100
13) Acrolein	3.61	56	220179	221.468	ug/l	98
14) Allyl chloride	4.32	41	706704	47.043	ug/l	99
15) Acrylonitrile	4.99	53	1113177	240.996	ug/l	99
16) Acetone	3.82	43	895200	191.364	ug/l	98
17) Carbon Disulfide	4.05	76	992888	49.605	ug/l	99
18) Methyl Acetate	4.33	43	376338	38.073	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1226247	50.321	ug/l	98
20) Methylene Chloride	4.55	84	457135	47.789	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	400390	50.356	ug/l	97
22) Diisopropyl ether	5.96	45	1526749	50.012	ug/l	99
23) Vinyl Acetate	5.90	43	4688908	198.608	ug/l	100
24) 1,1-Dichloroethane	5.85	63	816266	49.532	ug/l	99
25) 2-Butanone	6.84	43	1449148	224.254	ug/l	97
26) 2,2-Dichloropropane	6.82	77	371311	36.144	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	468488	50.982	ug/l	97
28) Bromochloromethane	7.19	49	441685	51.610	ug/l	95
29) Tetrahydrofuran	7.22	42	991154	232.013	ug/l	100
30) Chloroform	7.37	83	768979	50.477	ug/l	99
31) Cyclohexane	7.65	56	751413	46.085	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	591400	50.977	ug/l	99
36) 1,1-Dichloropropene	7.79	75	574207	48.606	ug/l	98
37) Ethyl Acetate	6.93	43	482908	37.474	ug/l	99
38) Carbon Tetrachloride	7.77	117	479083	48.162	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	647864	44.979	ug/l	98
40) Benzene	8.04	78	1813939	49.475	ug/l	100
41) Methacrylonitrile	7.18	41	288540	48.242	ug/l	97
42) 1,2-Dichloroethane	8.12	62	607195	47.139	ug/l	99
43) Isopropyl Acetate	8.17	43	831829	42.489	ug/l	98
44) Trichloroethene	8.84	130	425954	48.827	ug/l	94
45) 1,2-Dichloropropane	9.12	63	505619	48.198	ug/l	100
46) Dibromomethane	9.21	93	297726	48.963	ug/l	99
47) Bromodichloromethane	9.40	83	576401	49.550	ug/l	98
48) Methyl methacrylate	9.20	41	445062	47.183	ug/l	97
49) 1,4-Dioxane	9.20	88	165759	901.624	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2937762	228.160	ug/l	99
52) Toluene	10.16	92	1052709	50.223	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	552802	49.479	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	649991	48.687	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	415389	48.912	ug/l	99
56) Ethyl methacrylate	10.43	69	619490	49.041	ug/l	98
57) 1,3-Dichloropropane	10.71	76	749920	49.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	1053	12.747	ug/l #	52
59) 2-Hexanone	10.75	43	2017721	223.450	ug/l	100
60) Dibromochloromethane	10.90	129	405052	52.458	ug/l	99
61) 1,2-Dibromoethane	11.00	107	409517	50.188	ug/l	97
64) Tetrachloroethene	10.63	164	394573	46.033	ug/l	99
65) Chlorobenzene	11.43	112	1067429	49.599	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	382985	51.692	ug/l	100
67) Ethyl Benzene	11.51	91	1987991	49.184	ug/l	99
68) m/p-Xylenes	11.62	106	1442246	99.427	ug/l	100
69) o-Xylene	11.95	106	714230	50.096	ug/l	98
70) Styrene	11.96	104	1180396	51.677	ug/l	99
71) Bromoform	12.13	173	263976	52.799	ug/l	100
73) Isopropylbenzene	12.25	105	1869959	52.199	ug/l	100
74) N-amyl acetate	12.07	43	595985	36.056	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	597737	51.271	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	691161	58.314	ug/l #	100
77) Bromobenzene	12.53	156	435663	45.406	ug/l	97
78) n-propylbenzene	12.59	91	2119041	45.379	ug/l	100
79) 2-Chlorotoluene	12.67	91	1296771	44.560	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1584933	45.519	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	131956	41.080	ug/l	99
82) 4-Chlorotoluene	12.77	91	1271547	46.240	ug/l	99
83) tert-Butylbenzene	12.99	119	1321995	44.295	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1554647	48.683	ug/l	100
85) sec-Butylbenzene	13.17	105	1761973	44.421	ug/l	99
86) p-Isopropyltoluene	13.29	119	1487796	46.089	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	730950	49.301	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	702655	48.023	ug/l	99
89) n-Butylbenzene	13.61	91	1167836	46.673	ug/l	100
90) Hexachloroethane	13.87	117	240463	45.665	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	722129	48.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	90956	45.431	ug/l	98

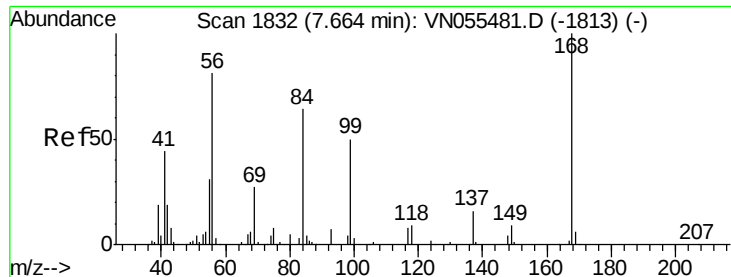
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	288412	45.042	ug/l	97
94) Hexachlorobutadiene	15.01	225	213069	48.521	ug/l	98
95) Naphthalene	15.13	128	805986	44.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	320248	46.040	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

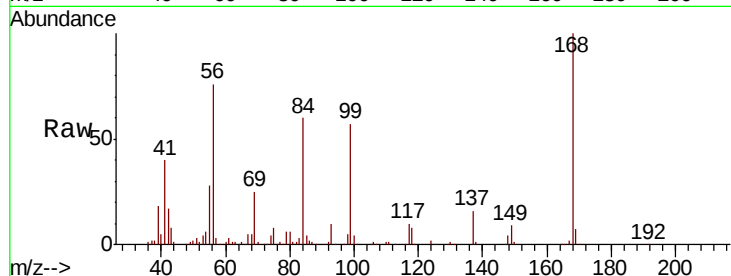
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 670999

Ion Ratio Lower Upper

168 100

99 56.3 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

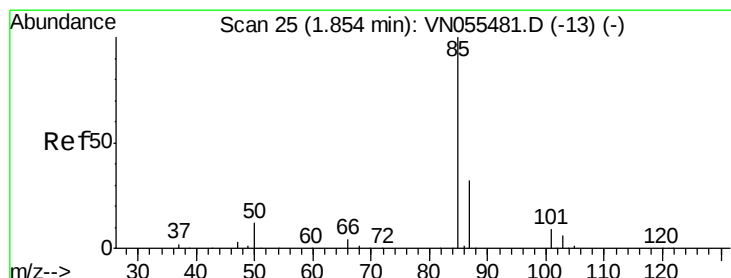
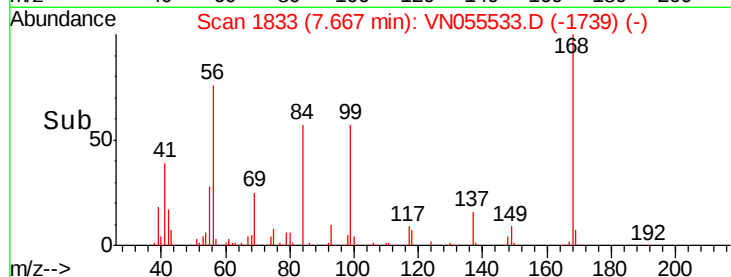
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.526 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055533.D

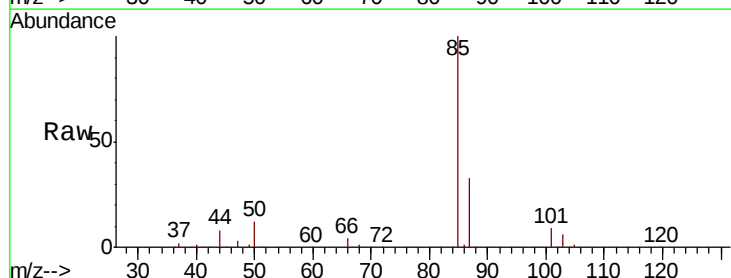
Acq: 10 May 2019 7:04

Tgt Ion: 85 Resp: 311014

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

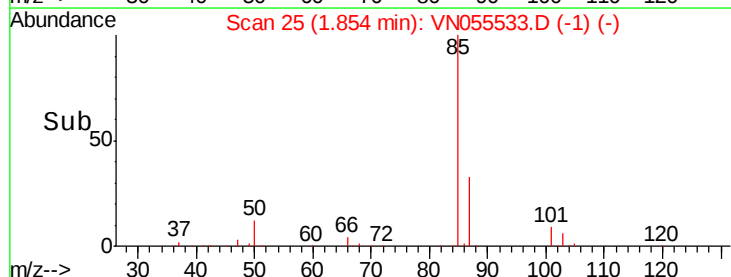
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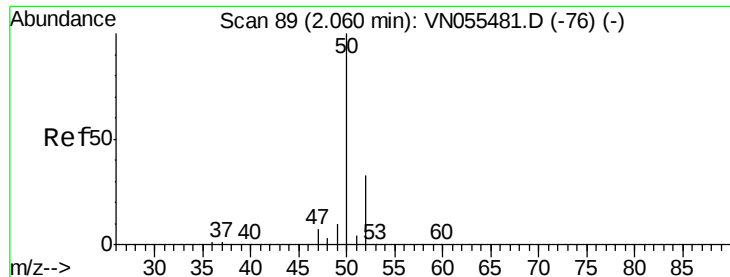
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.012 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

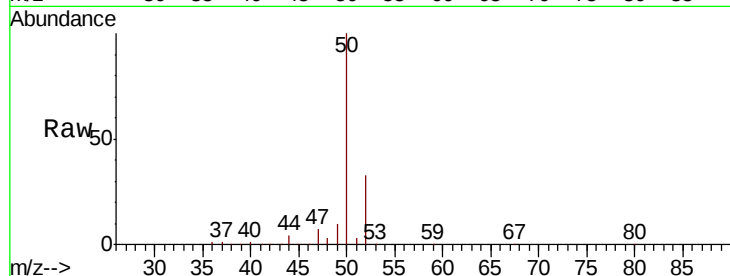
ClientSampleId :

Tot Ion: 50 Resp: 510666

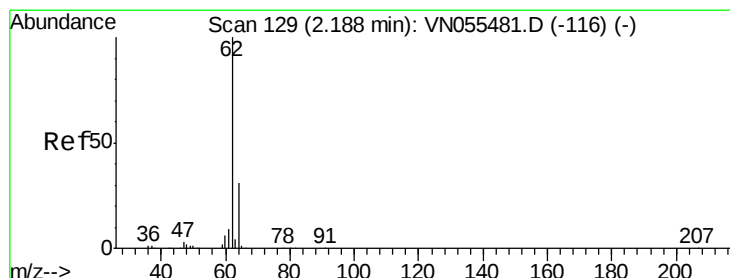
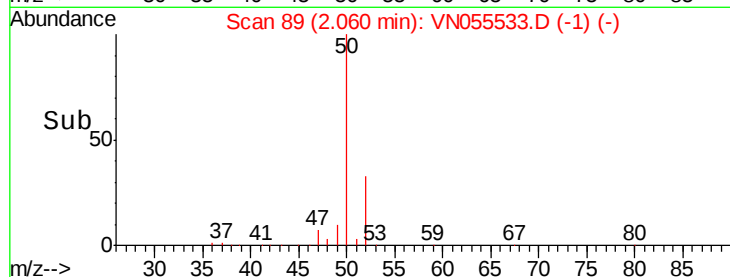
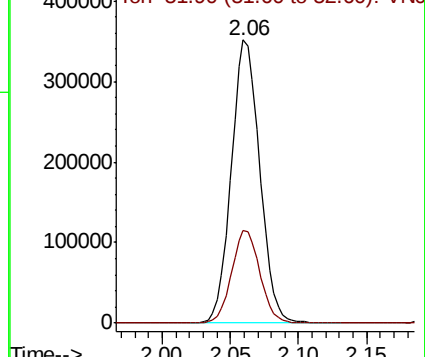
Ion Ratio Lower Upper

50 100

52 32.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.973 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055533.D

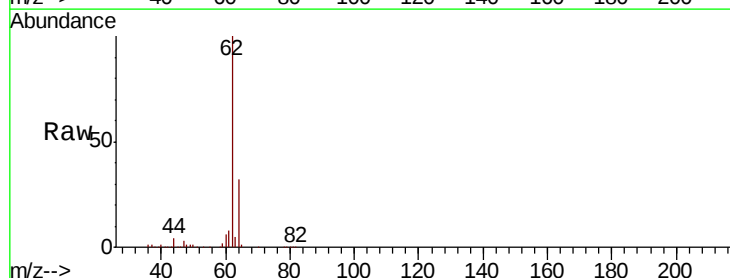
Acq: 10 May 2019 7:04

Tgt Ion: 62 Resp: 502593

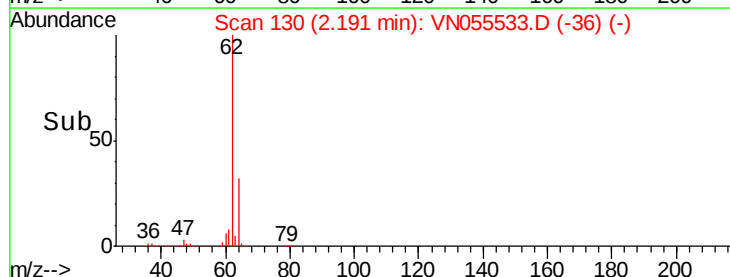
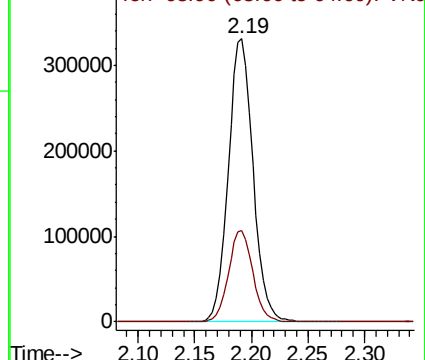
Ion Ratio Lower Upper

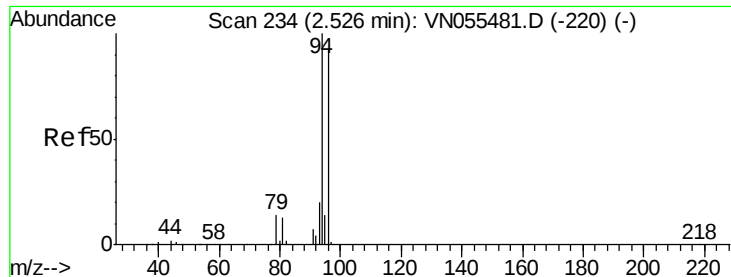
62 100

64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.383 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

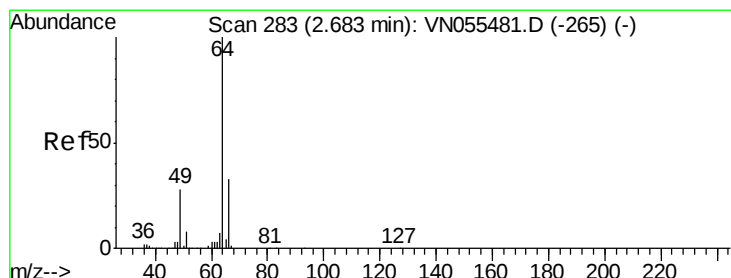
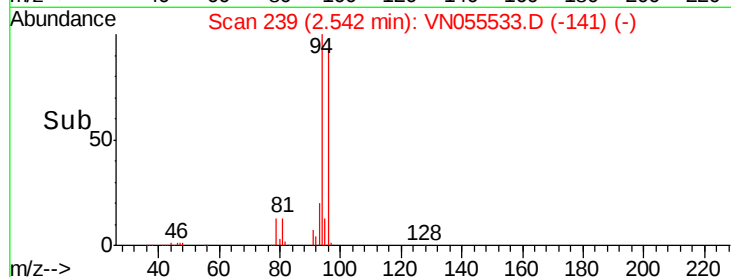
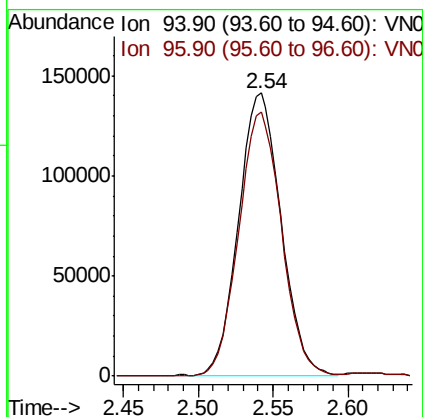
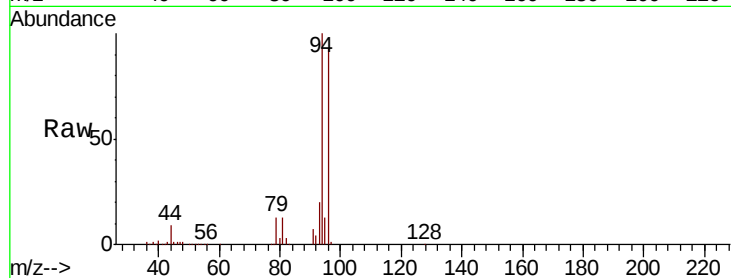
ClientSampleId :

Tot Ion: 94 Resp: 277725

Ion Ratio Lower Upper

94 100

96 93.1 74.8 112.2



#6

Chloroethane

Concen: 51.098 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055533.D

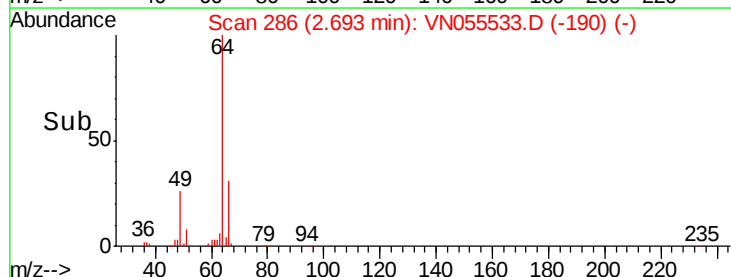
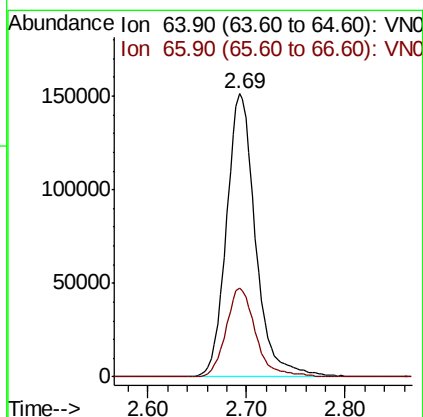
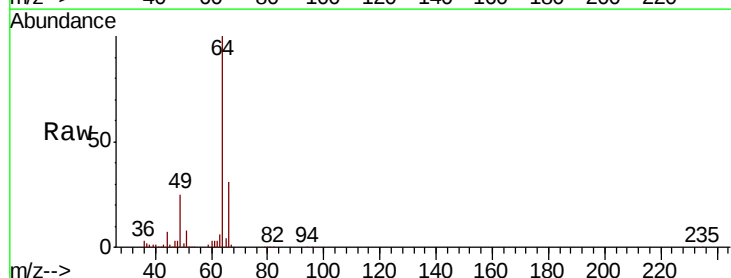
Acq: 10 May 2019 7:04

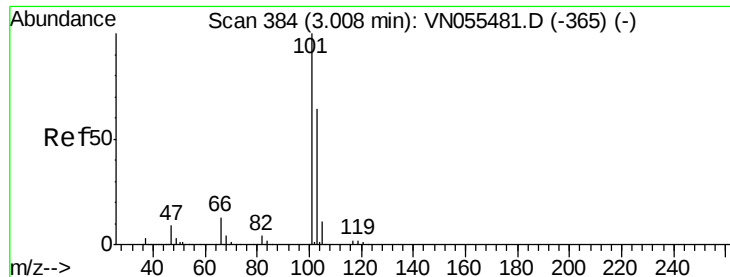
Tgt Ion: 64 Resp: 311824

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.2



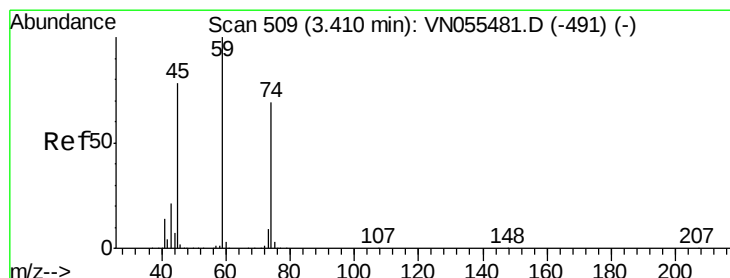
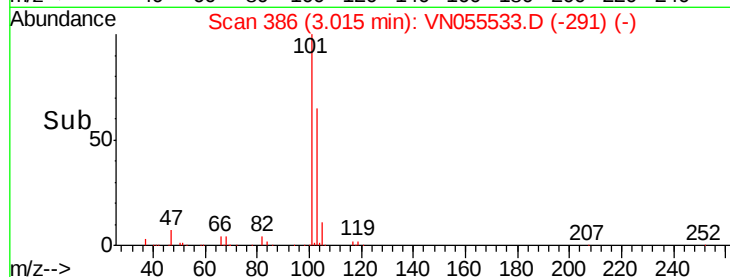
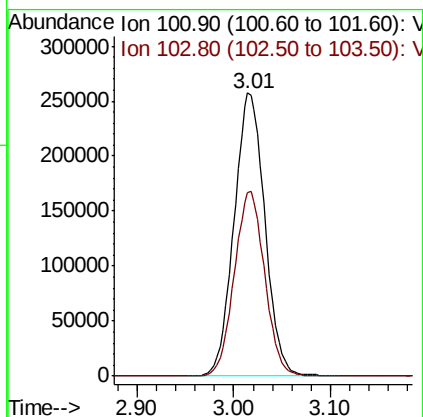
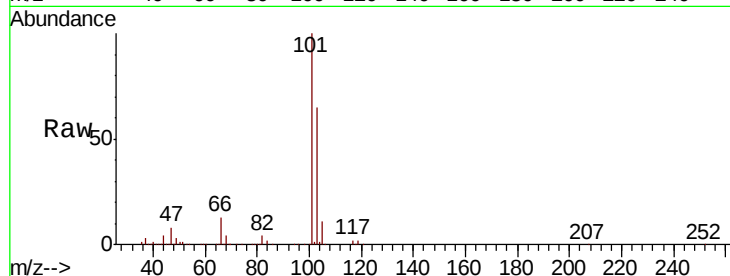


#7

Trichlorofluoromethane
 Concen: 49.416 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Instrument :
 MSVOA_N
 ClientSampleId :

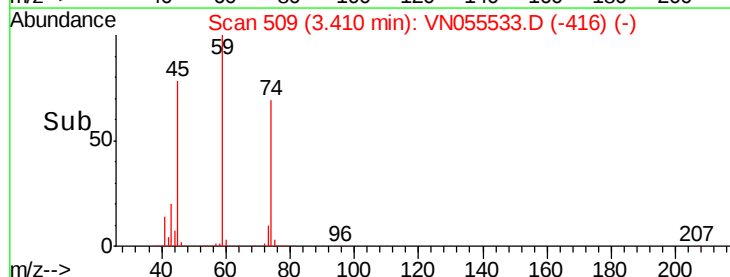
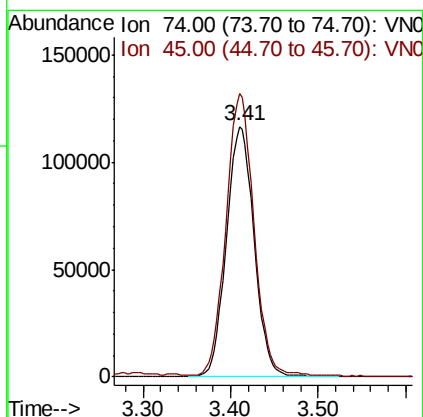
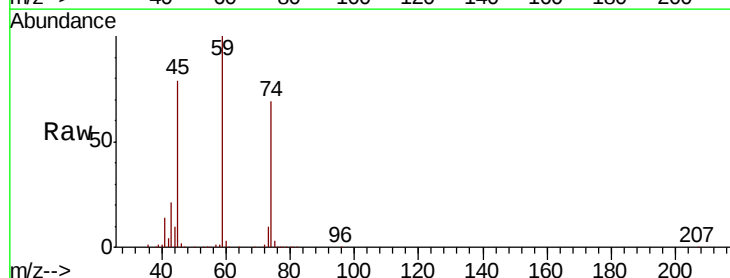
Tot Ion:101 Resp: 567960
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

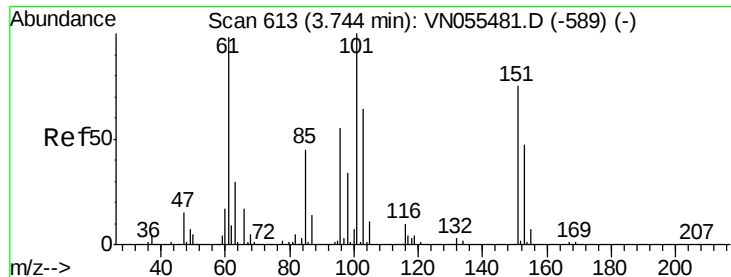


#8

Diethyl Ether
 Concen: 49.709 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 74 Resp: 256587
 Ion Ratio Lower Upper
 74 100
 45 112.9 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.760 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

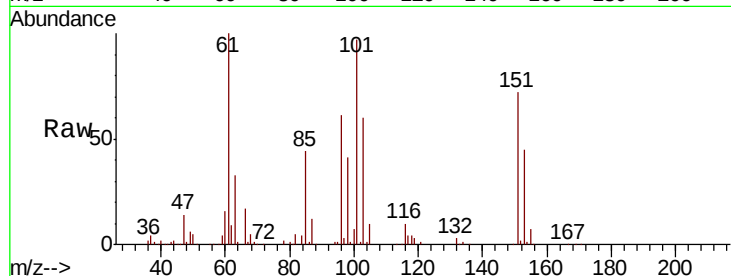
Tot Ion:101 Resp: 341928

Ion Ratio Lower Upper

101 100

85 44.9 35.5 53.3

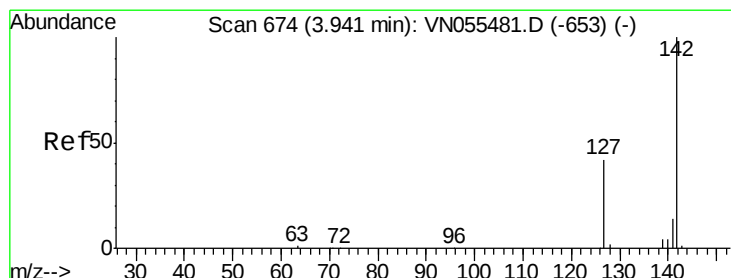
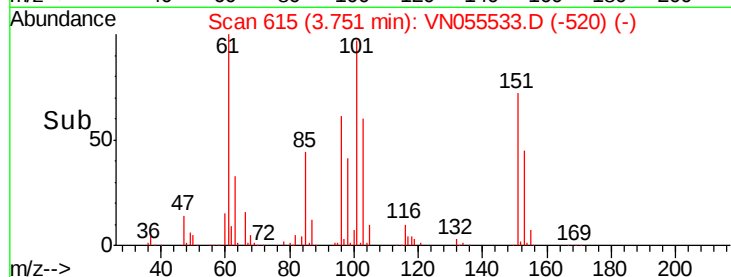
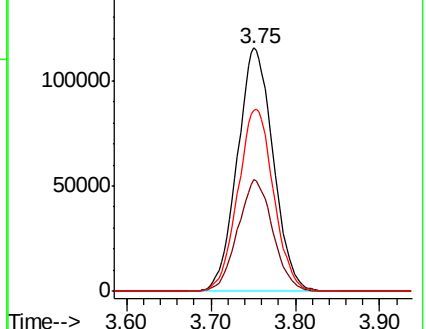
151 74.3 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.138 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

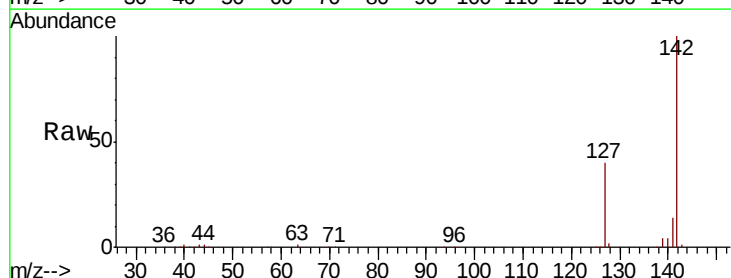
Tgt Ion:142 Resp: 495534

Ion Ratio Lower Upper

142 100

127 40.3 33.0 49.4

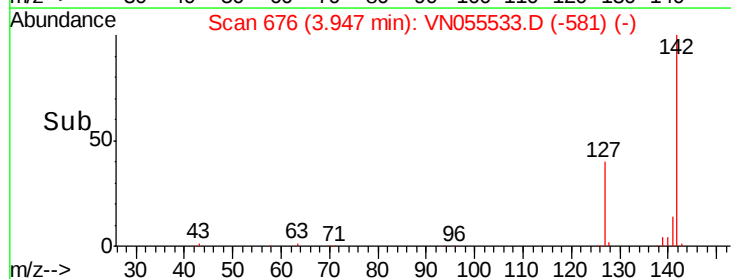
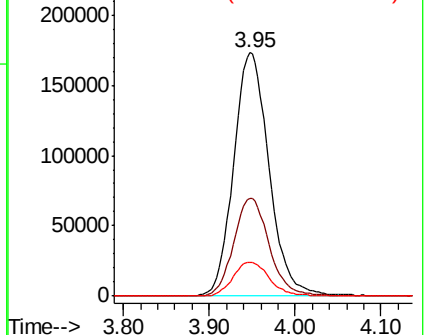
141 14.3 11.4 17.0

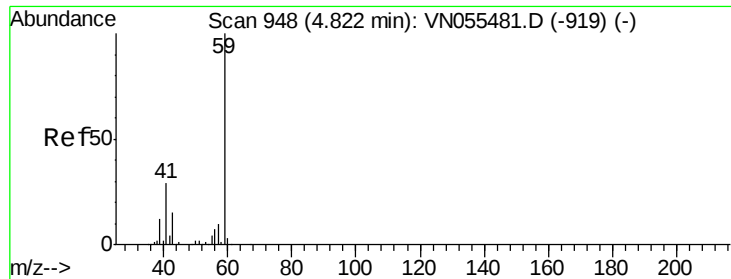


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



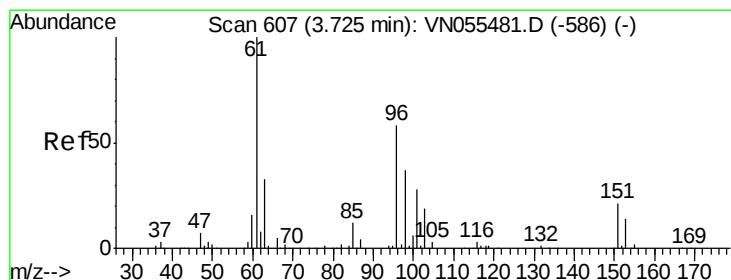
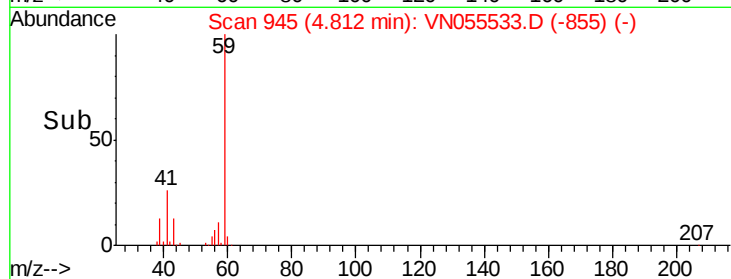
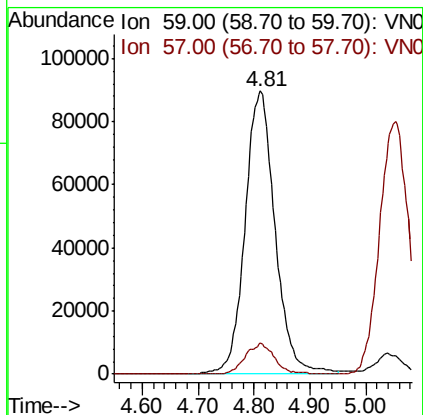
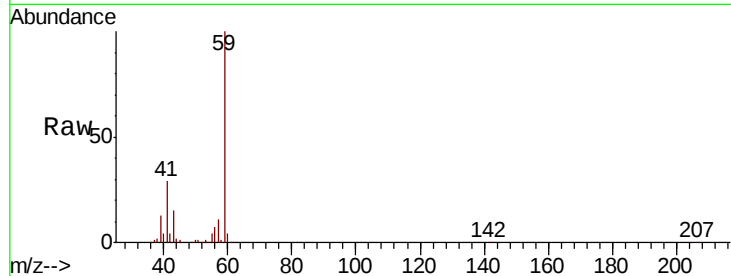


#11

Tert butyl alcohol
 Concen: 225.105 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Instrument :
 MSVOA_N
 ClientSampled :

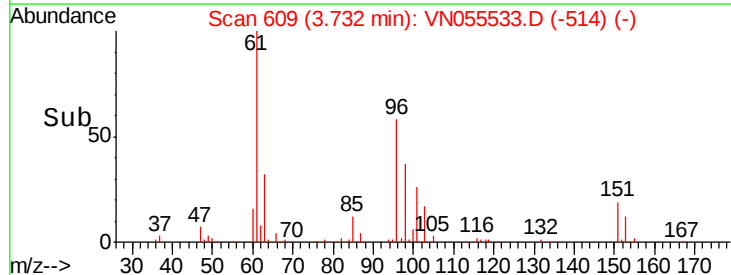
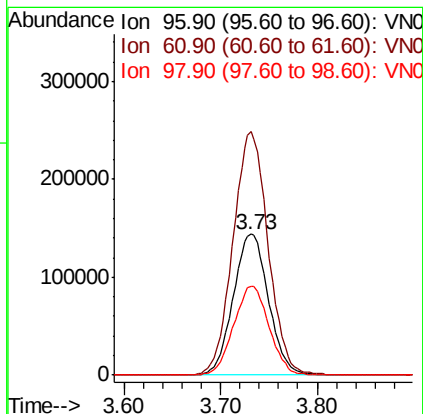
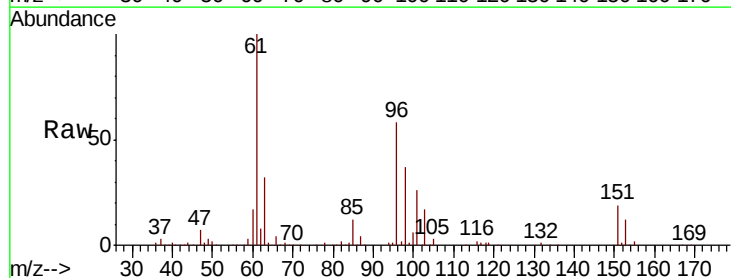
Tot Ion: 59 Resp: 335794
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

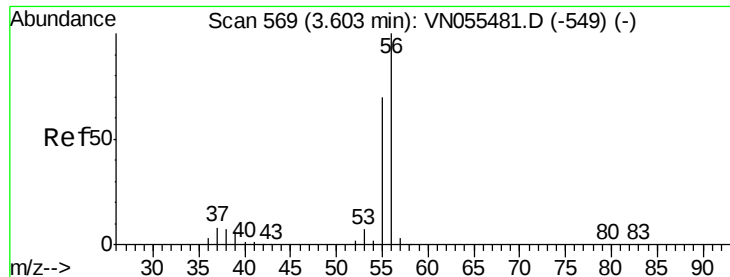


#12

1,1-Dichloroethene
 Concen: 49.732 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 96 Resp: 364718
 Ion Ratio Lower Upper
 96 100
 61 172.7 138.7 208.1
 98 63.2 50.6 76.0





#13

Acrolein

Concen: 221.468 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

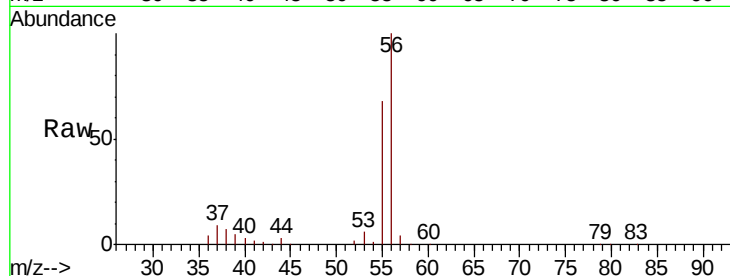
ClientSampled :

Tot Ion: 56 Resp: 220179

Ion Ratio Lower Upper

56 100

55 70.3 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

100000

80000

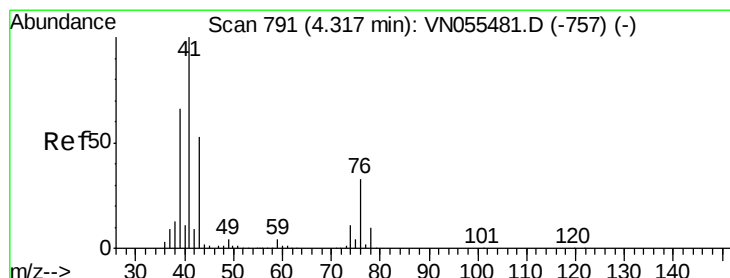
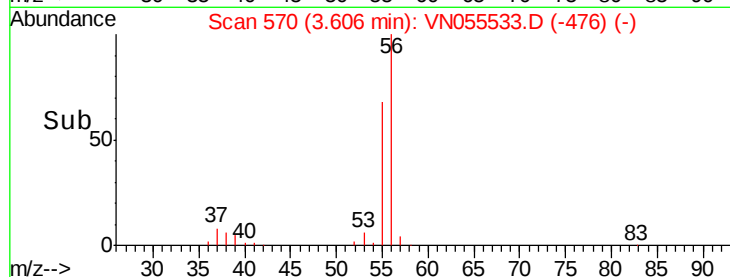
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 47.043 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

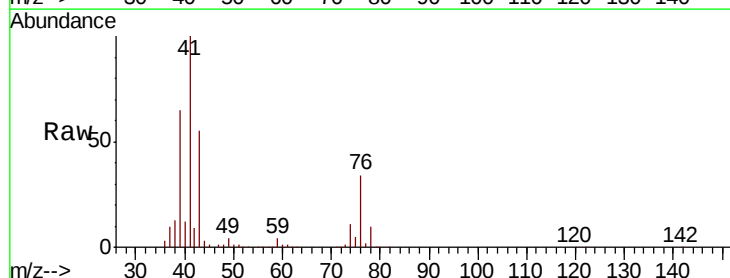
Tgt Ion: 41 Resp: 706704

Ion Ratio Lower Upper

41 100

39 61.5 49.8 74.8

76 30.0 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.32

300000

250000

200000

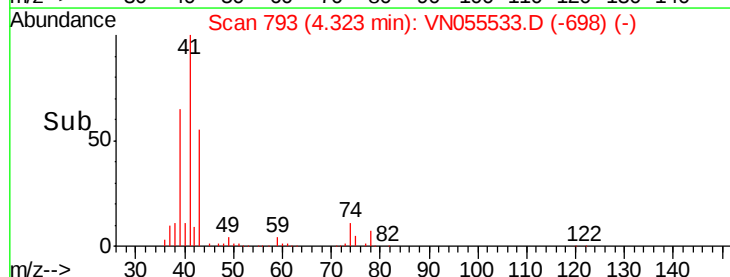
150000

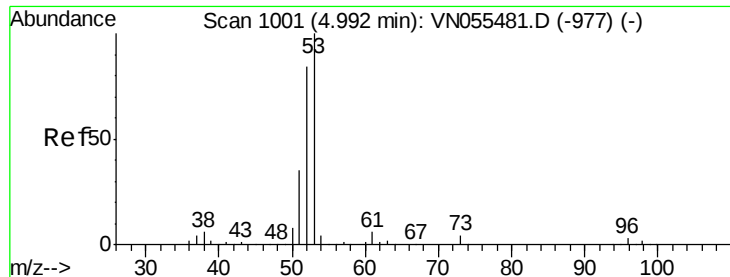
100000

50000

0

Time-->

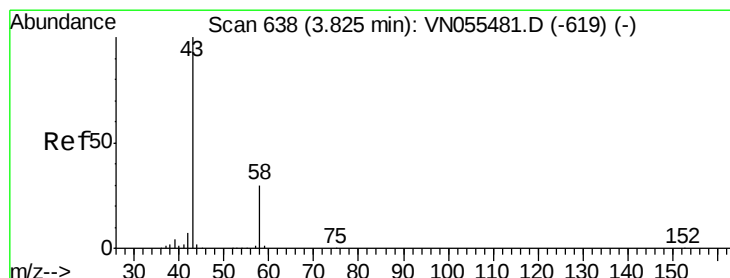
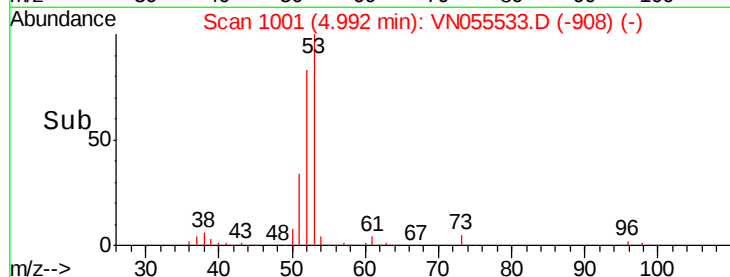
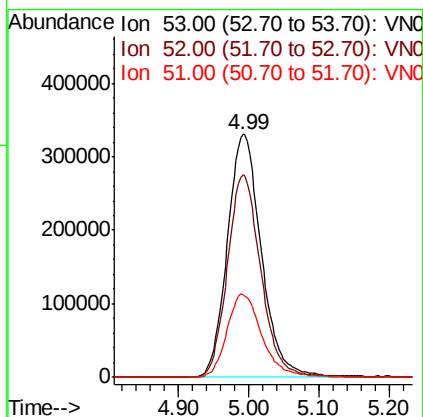
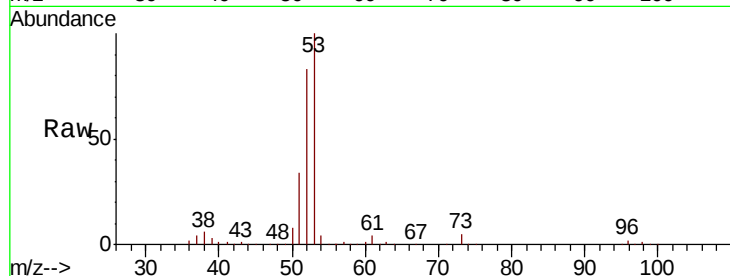




#15
 Acrylonitrile
 Concen: 240.996 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

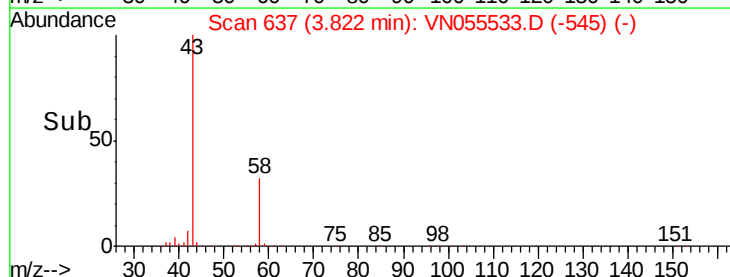
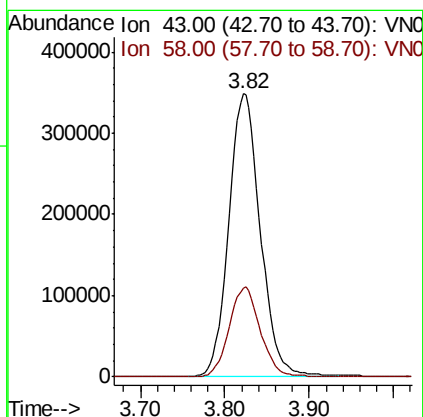
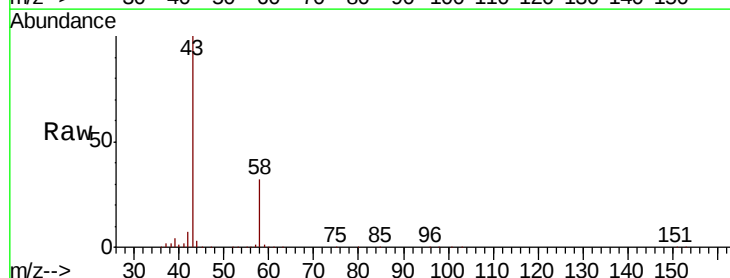
Instrument :
 MSVOA_N
 ClientSampleId :

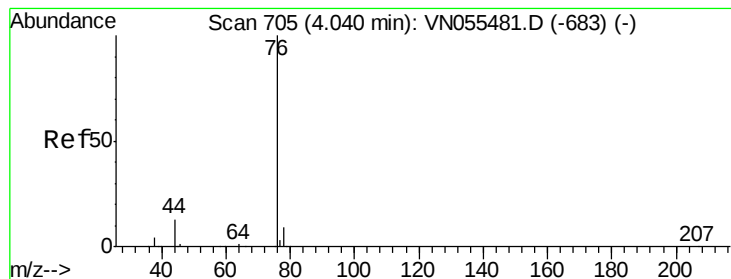
Tot Ion: 53 Resp: 1113177
 Ion Ratio Lower Upper
 53 100
 52 81.6 66.1 99.1
 51 35.5 28.3 42.5



#16
 Acetone
 Concen: 191.364 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 43 Resp: 895200
 Ion Ratio Lower Upper
 43 100
 58 31.5 24.2 36.2





#17

Carbon Disulfide

Concen: 49.605 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

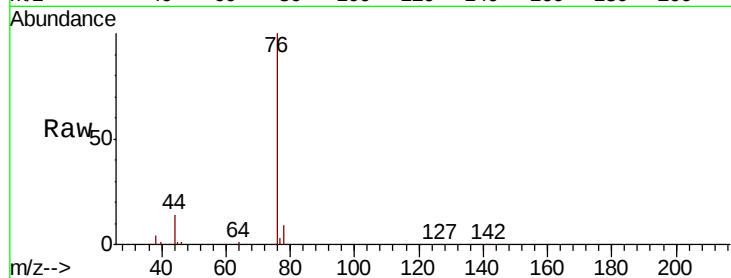
ClientSampled :

Tot Ion: 76 Resp: 992888

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

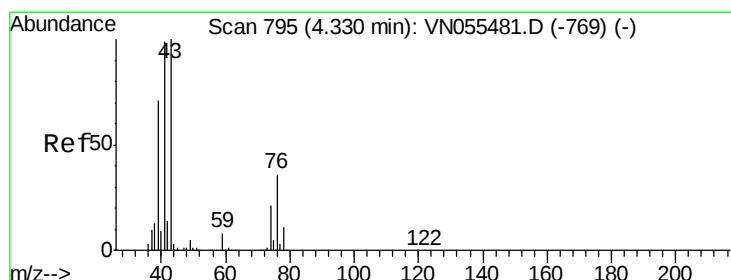
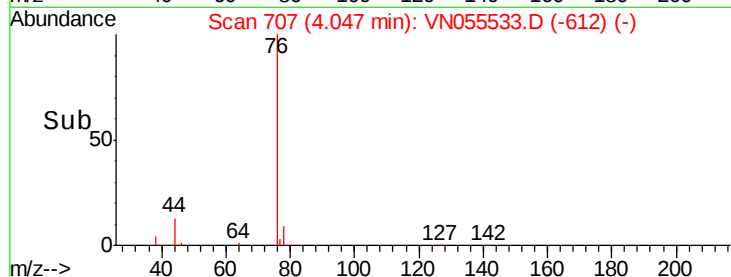
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 38.073 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055533.D

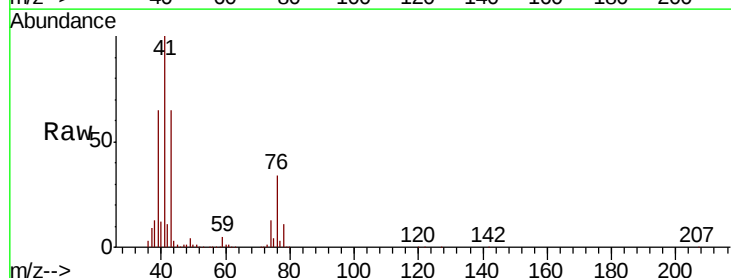
Acq: 10 May 2019 7:04

Tgt Ion: 43 Resp: 376338

Ion Ratio Lower Upper

43 100

74 21.1 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

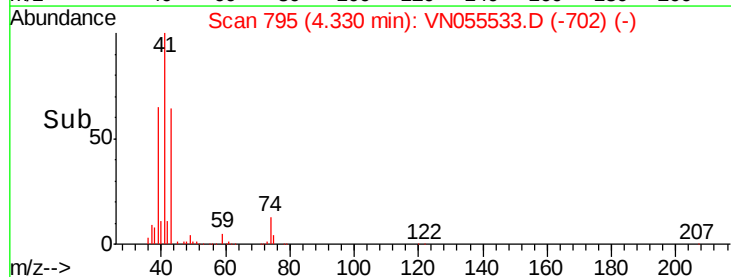
150000

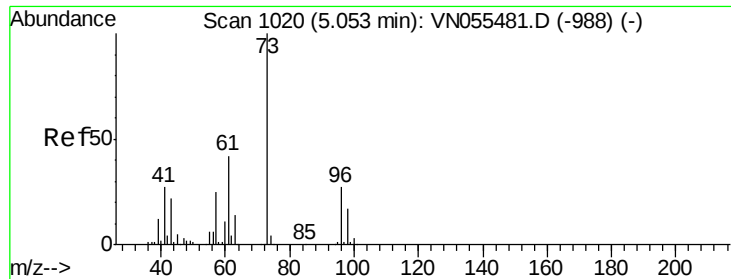
100000

50000

0

Time-->

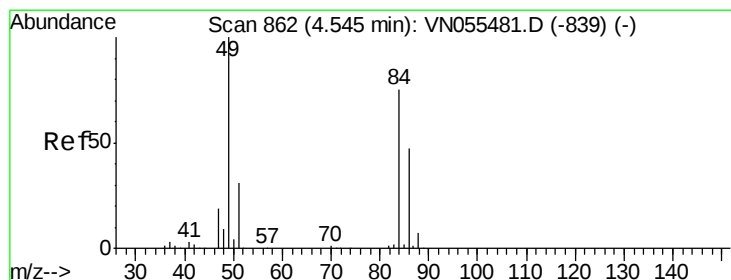
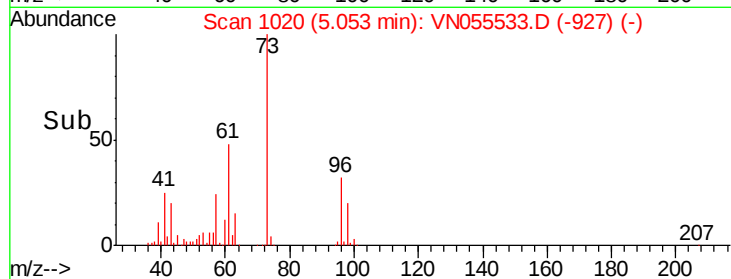
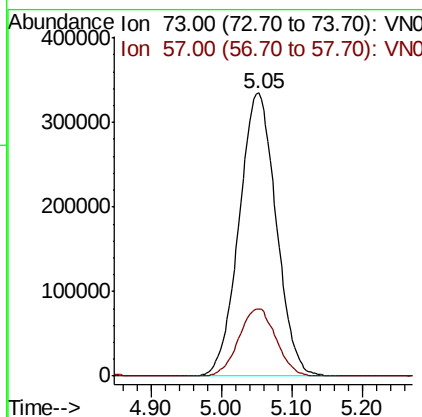
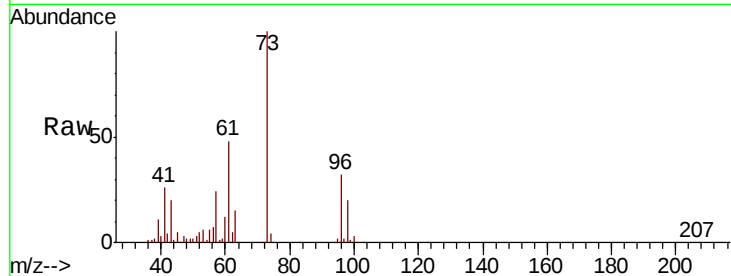




#19
Methyl tert-butyl Ether
Concen: 50.321 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

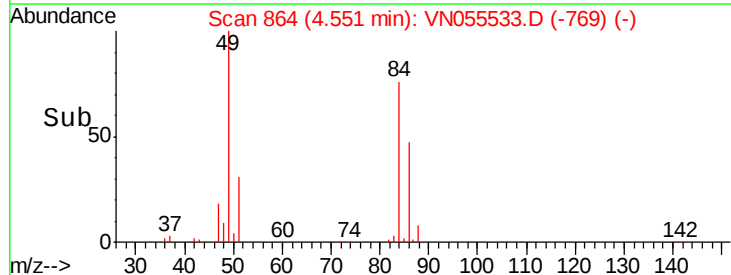
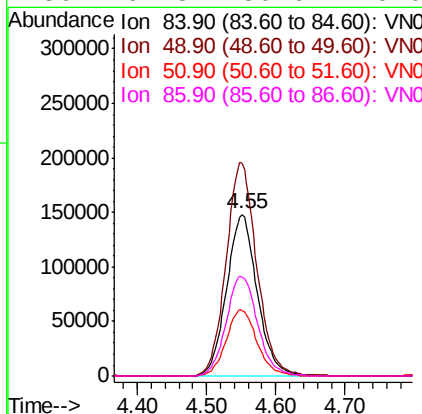
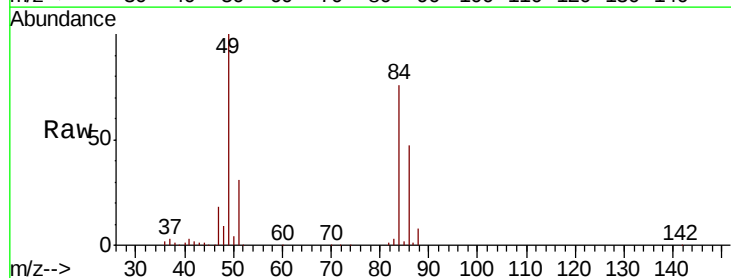
Instrument :
MSVOA_N
ClientSampleId :

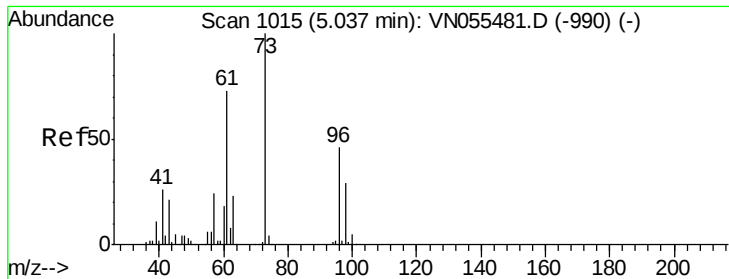
Tot Ion: 73 Resp: 1226247
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0



#20
Methylene Chloride
Concen: 47.789 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 84 Resp: 457135
Ion Ratio Lower Upper
84 100
49 131.5 107.0 160.6
51 40.7 33.0 49.4
86 61.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 50.356 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampled :

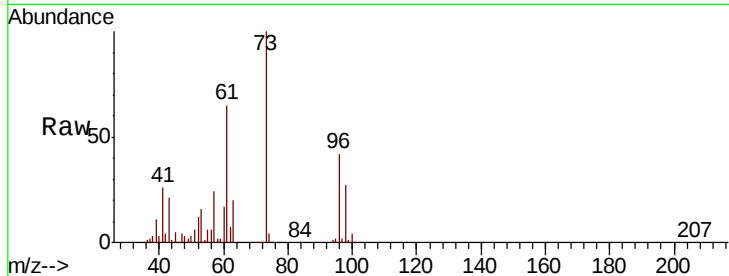
Tot Ion: 96 Resp: 400390

Ion Ratio Lower Upper

96 100

61 154.5 127.4 191.0

98 64.5 51.6 77.4

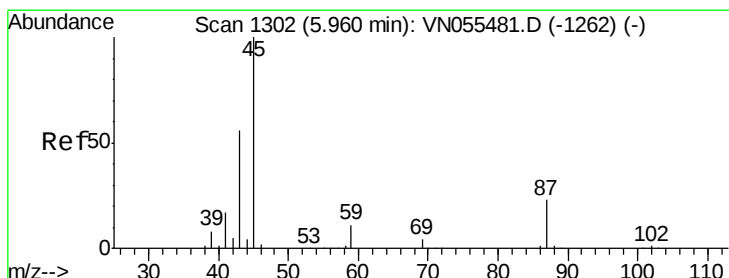
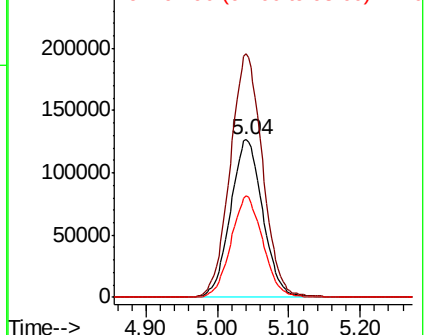
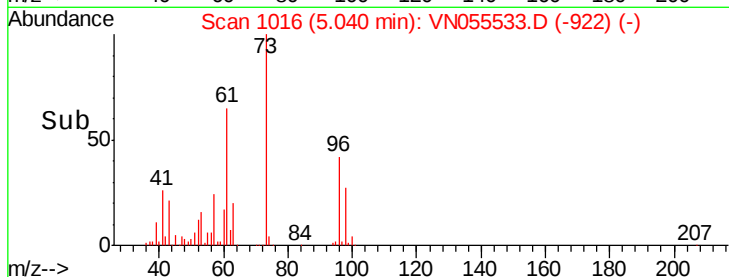


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.012 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Tgt Ion: 45 Resp: 1526749

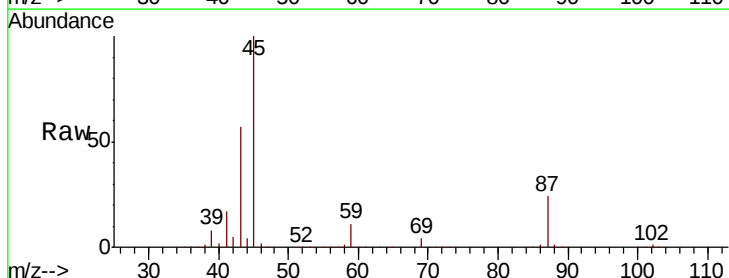
Ion Ratio Lower Upper

45 100

43 56.3 44.6 66.8

87 23.4 18.6 28.0

59 11.3 8.6 12.8



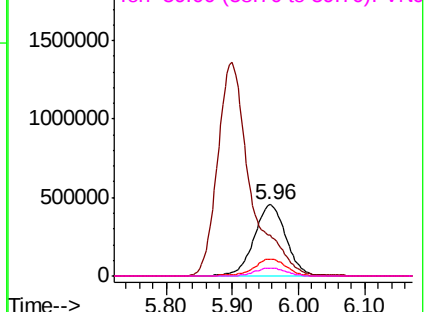
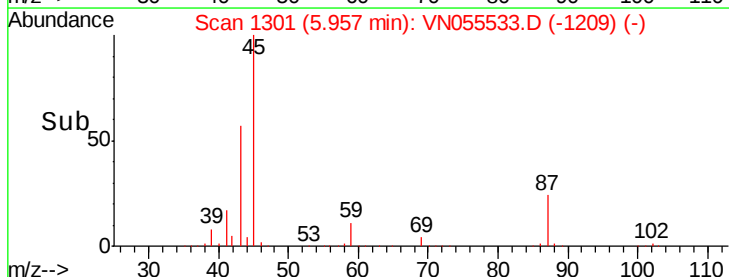
Abundance

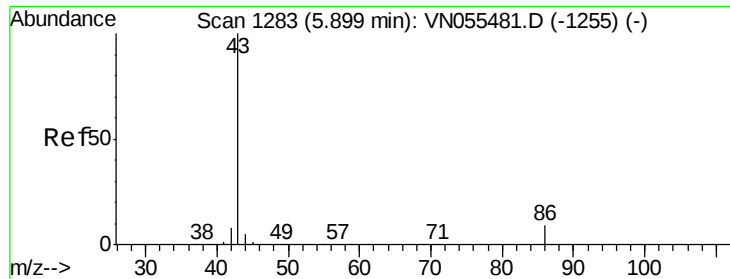
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 198.608 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

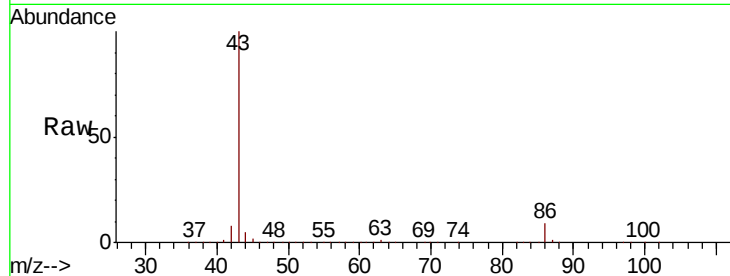
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4688908

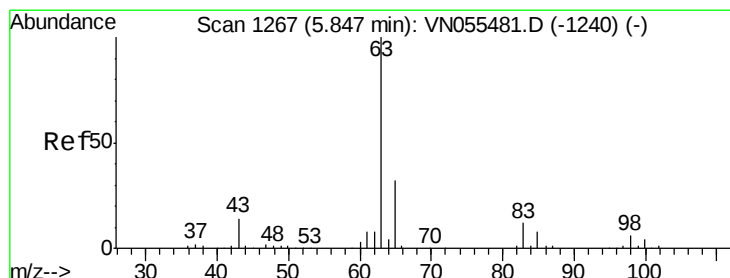
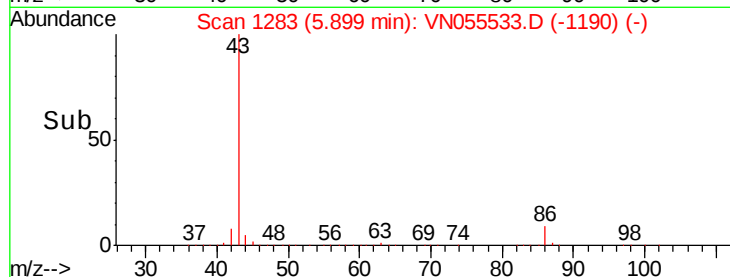
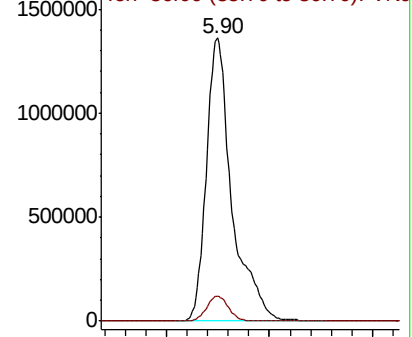
Ion Ratio Lower Upper

43 100

86 9.0 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055533.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 49.532 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

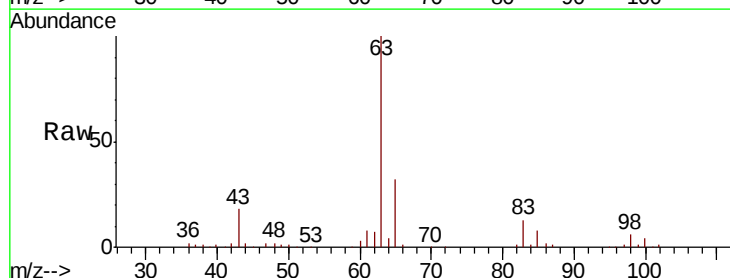
Tgt Ion: 63 Resp: 816266

Ion Ratio Lower Upper

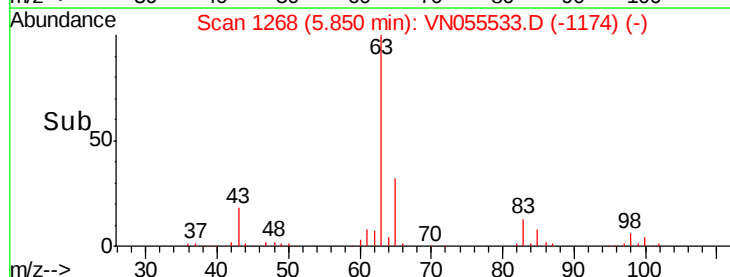
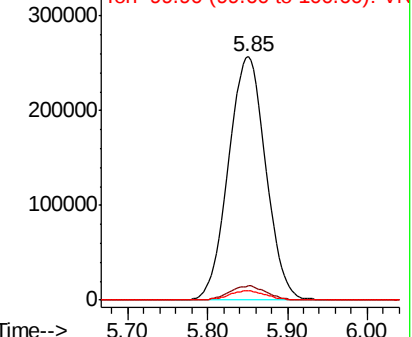
63 100

98 5.8 3.0 9.0

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN055533.D (-1174) (-)

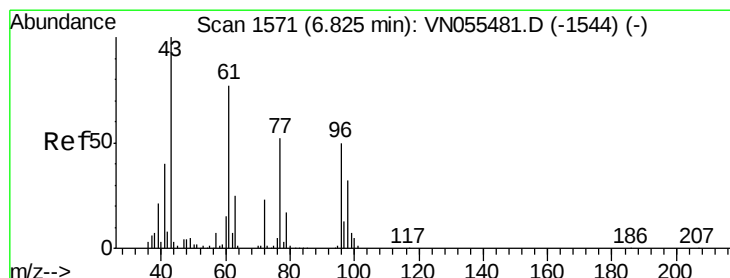
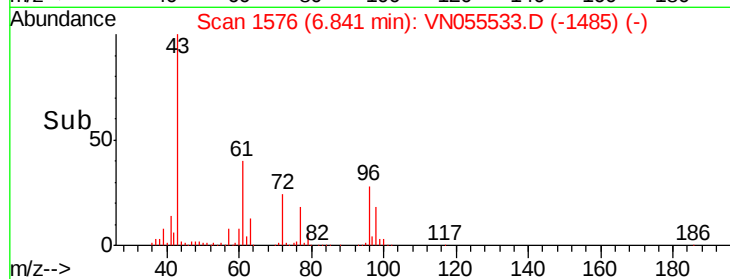
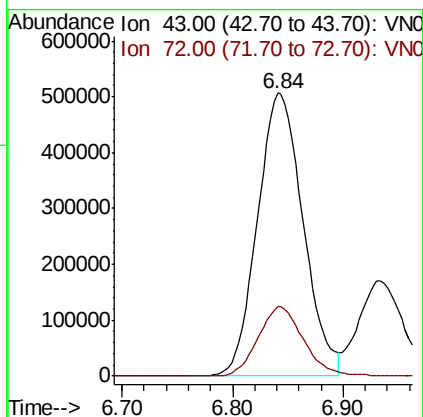
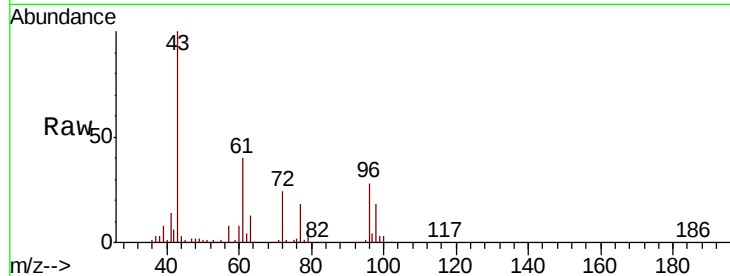




#25
2-Butanone
Concen: 224.254 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

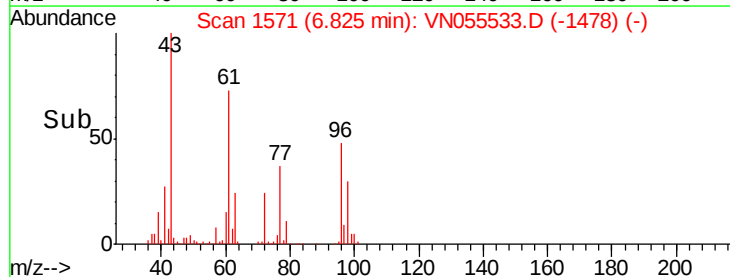
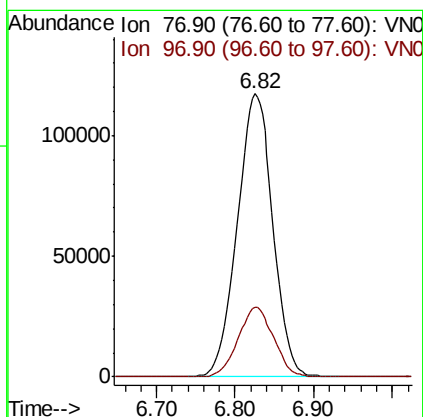
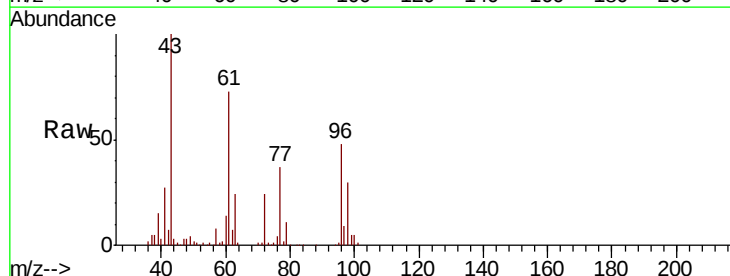
Instrument :
MSVOA_N
ClientSampled :

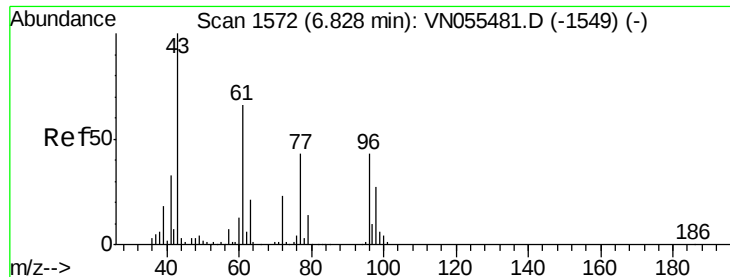
Tot Ion: 43 Resp: 1449148
Ion Ratio Lower Upper
43 100
72 24.4 18.6 27.8



#26
2,2-Dichloropropane
Concen: 36.144 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 77 Resp: 371311
Ion Ratio Lower Upper
77 100
97 24.6 11.5 34.5

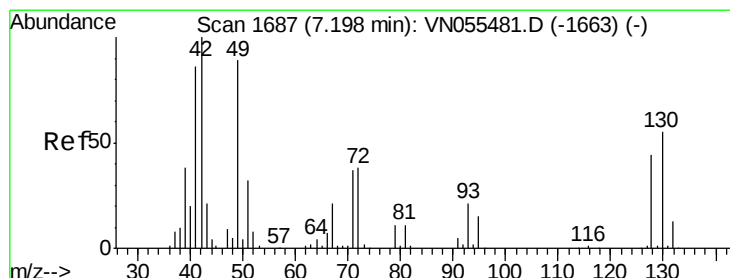
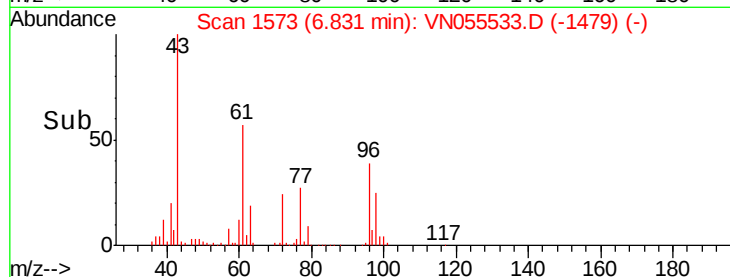
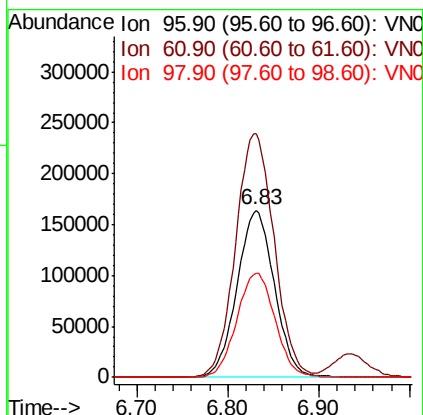
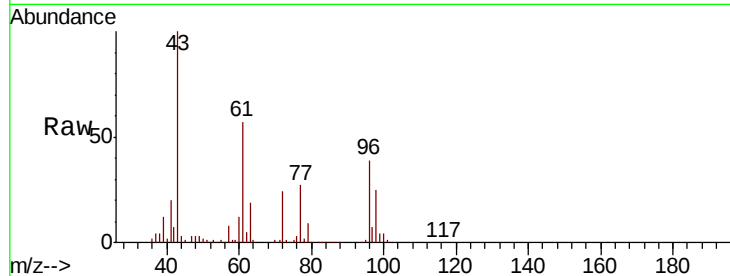




#27
 cis-1,2-Dichloroethene
 Concen: 50.982 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

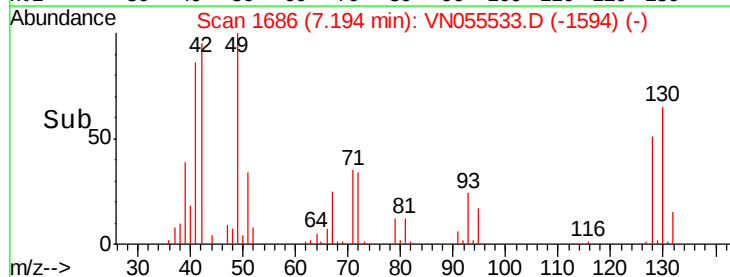
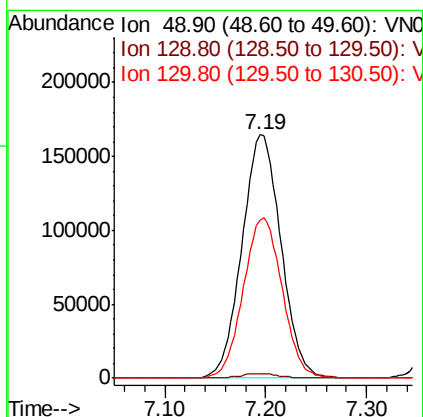
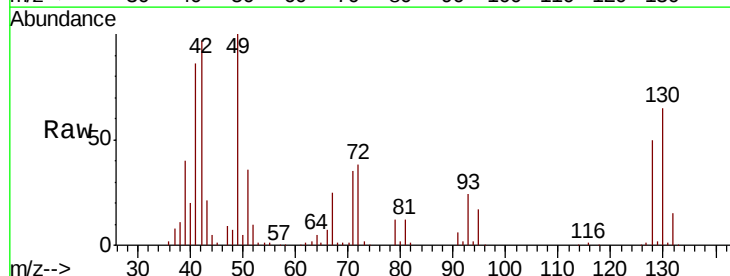
Instrument :
 MSVOA_N
 ClientSampleId :

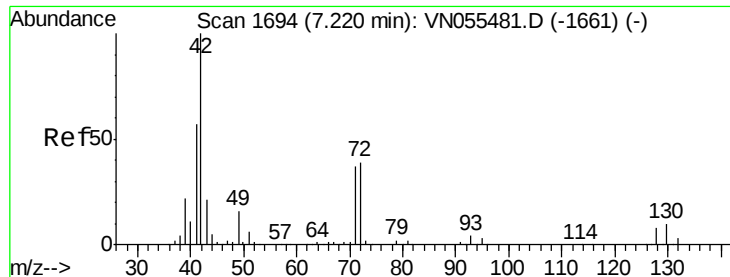
Tot Ion	96	Resp	468488
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	310.8
98	64.0	0.0	129.4



#28
 Bromochloromethane
 Concen: 51.610 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion	49	Resp	441685
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.5	49.5	74.3

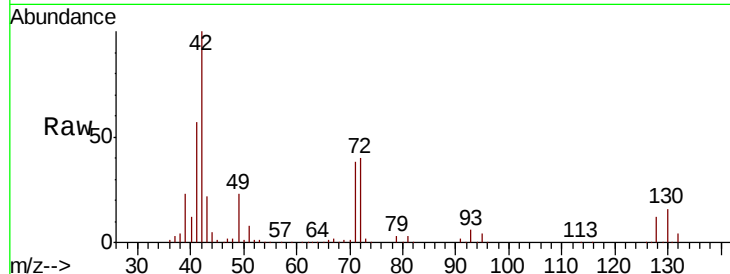




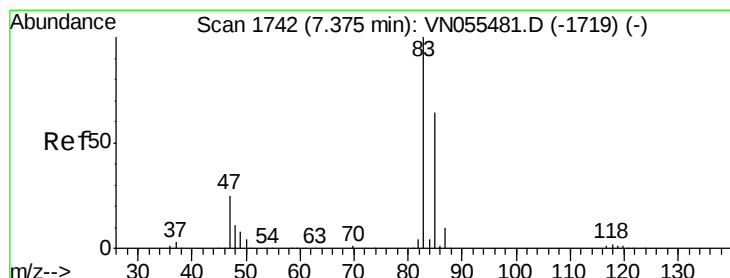
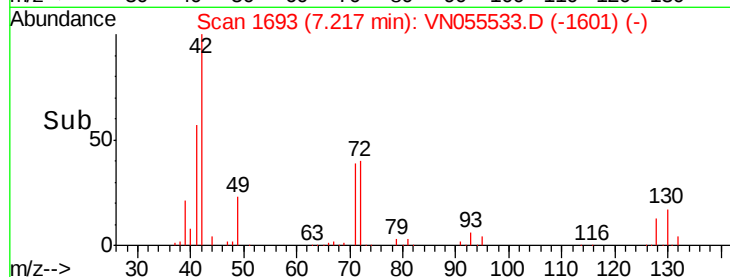
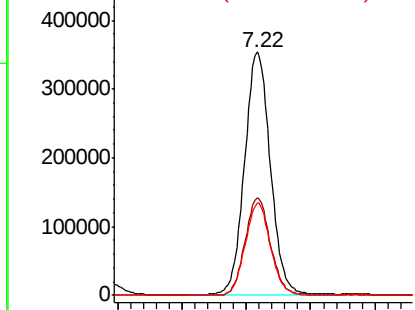
#29
Tetrahydrofuran
Concen: 232.013 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 991154
Ion Ratio Lower Upper
42 100
72 39.1 31.0 46.6
71 37.0 29.4 44.2

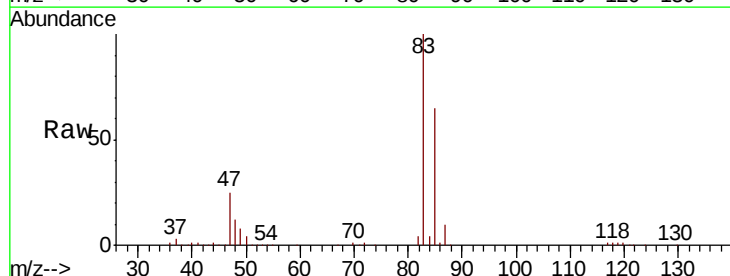


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

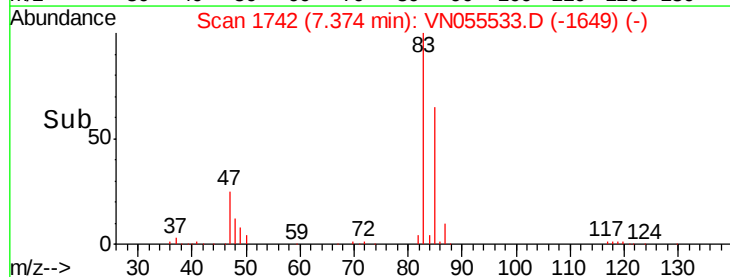
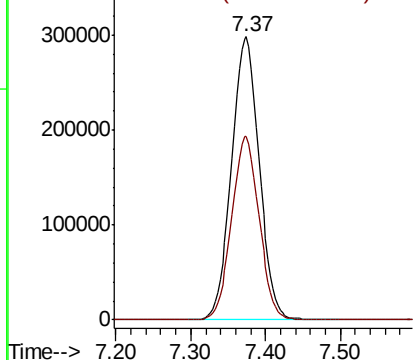


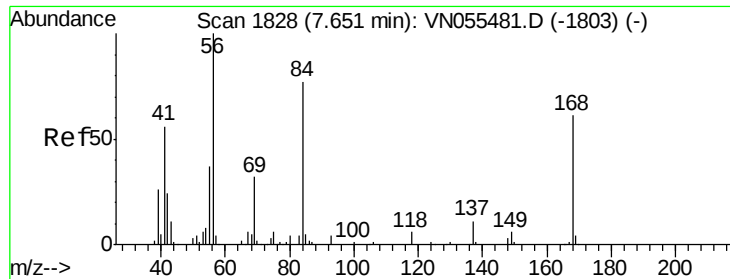
#30
Chloroform
Concen: 50.477 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 83 Resp: 768979
Ion Ratio Lower Upper
83 100
85 64.8 51.3 76.9



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

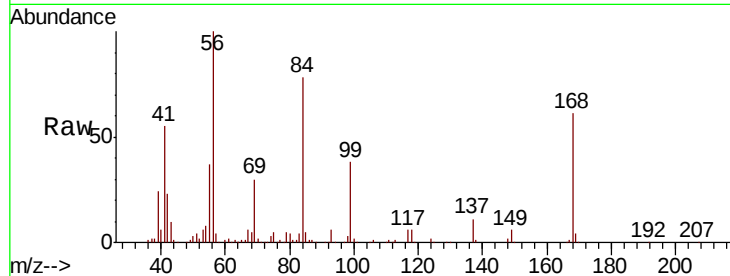




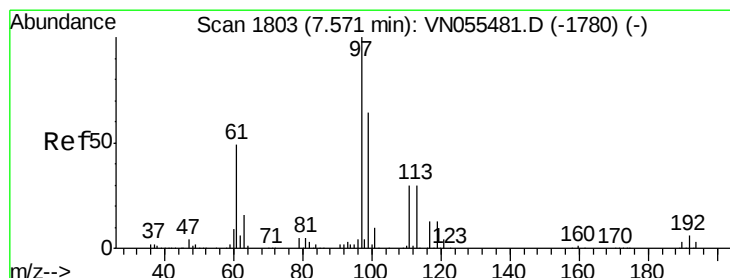
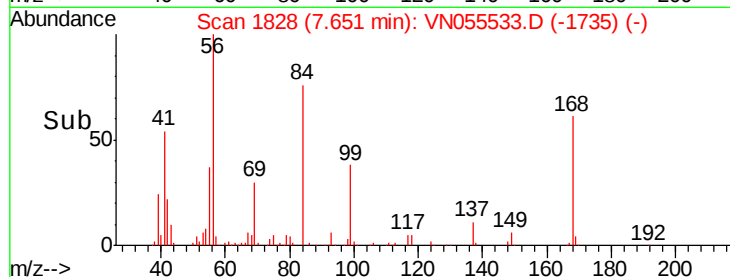
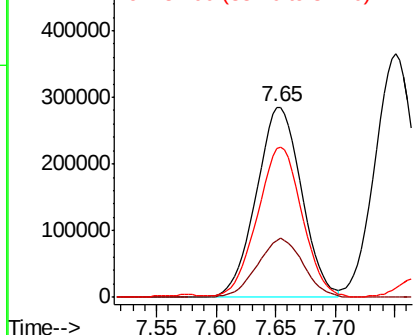
#31
Cyclohexane
Concen: 46.085 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 751413
Ion Ratio Lower Upper
56 100
69 30.2 26.0 39.0
84 76.7 61.9 92.9

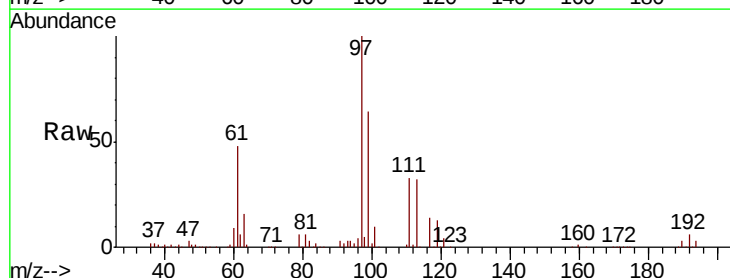


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

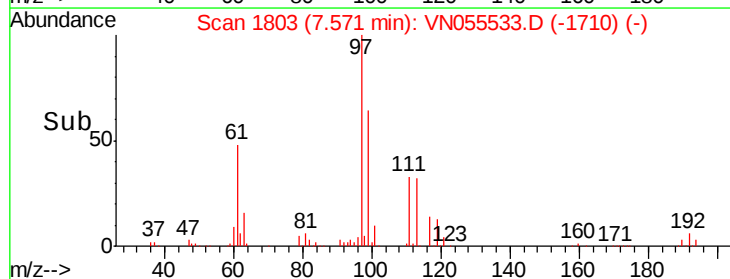
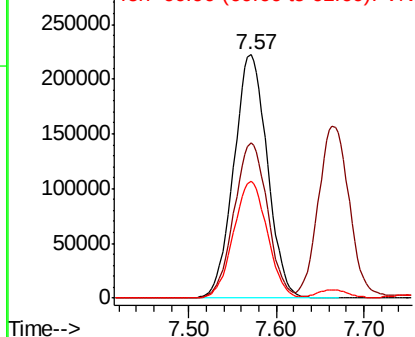


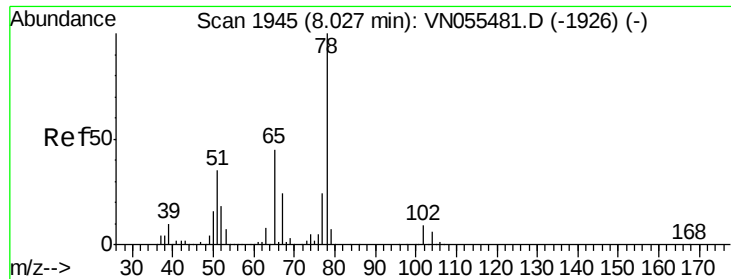
#32
1,1,1-Trichloroethane
Concen: 50.977 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 97 Resp: 591400
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 48.4 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

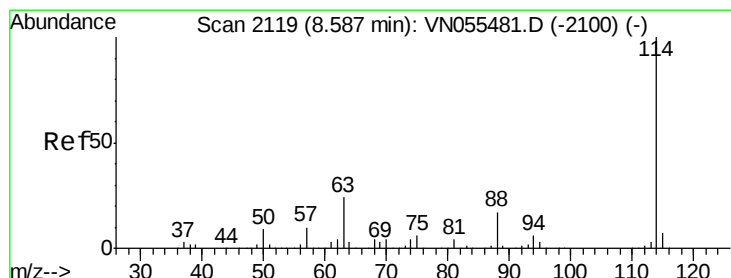
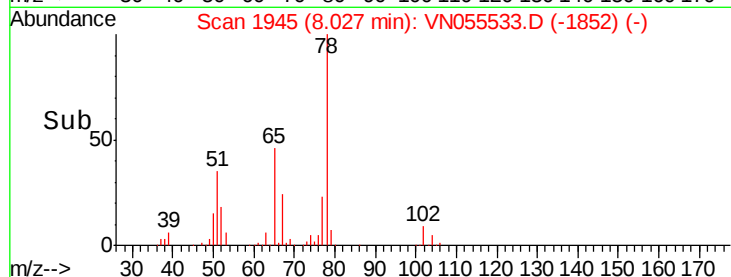
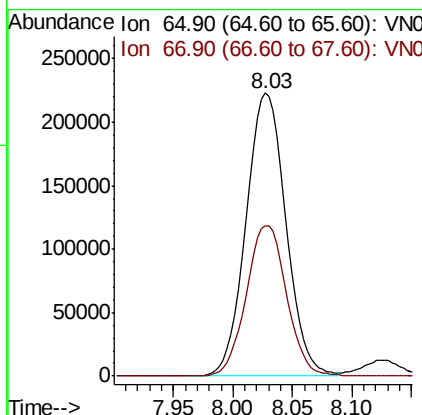
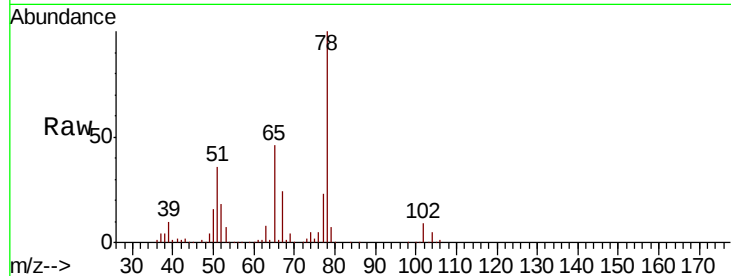




#33
 1,2-Dichloroethane-d4
 Concen: 51.388 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

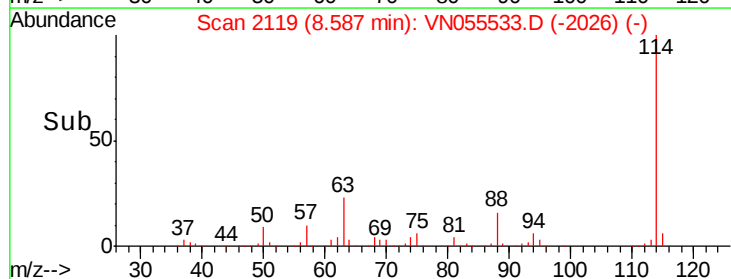
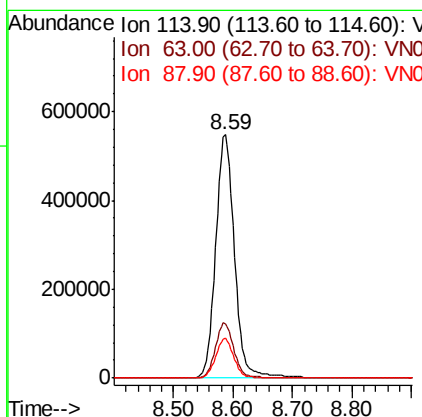
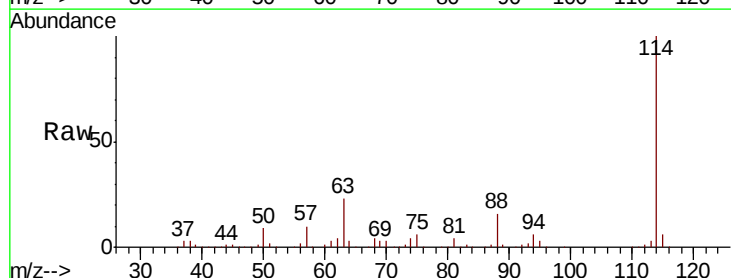
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 519173
 Ion Ratio Lower Upper
 65 100
 67 53.7 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: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 114 Resp: 1199116
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.4
 88 16.2 0.0 34.0

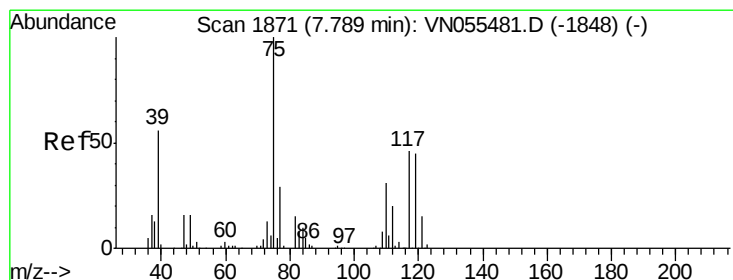
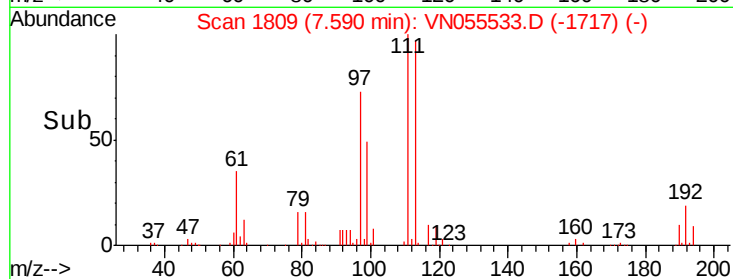
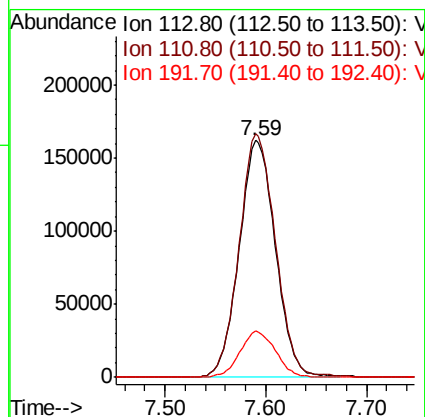
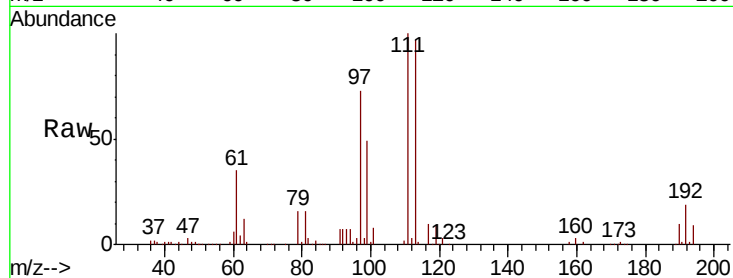




#35
 Dibromofluoromethane
 Concen: 52.211 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

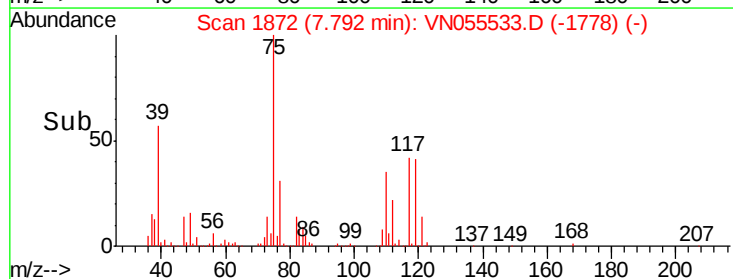
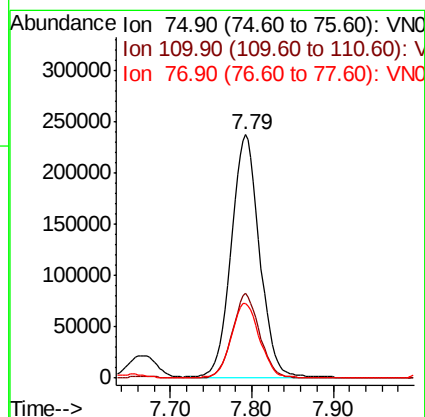
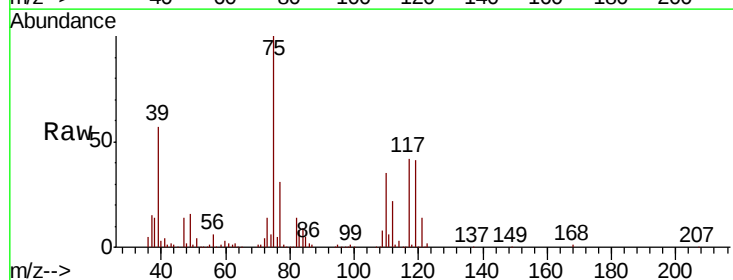
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.1	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 48.606 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.1	48.3
77	31.3	24.6	37.0

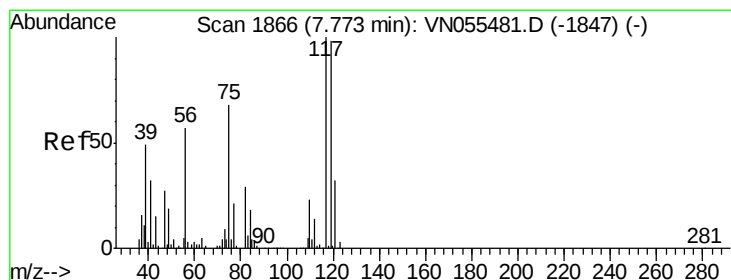
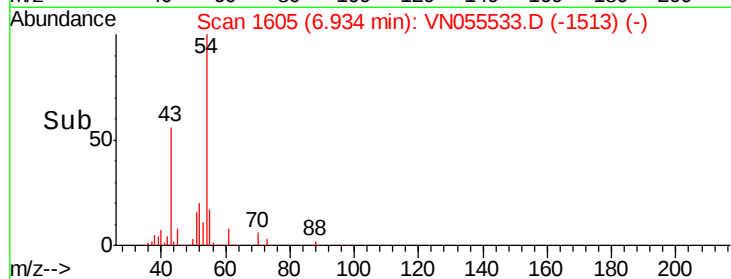
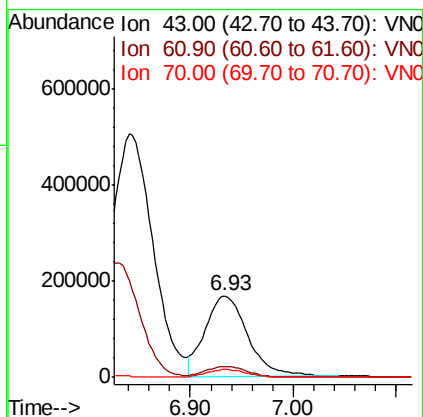
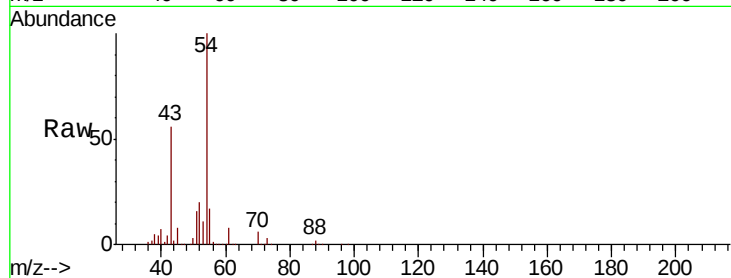




#37
Ethyl Acetate
Concen: 37.474 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

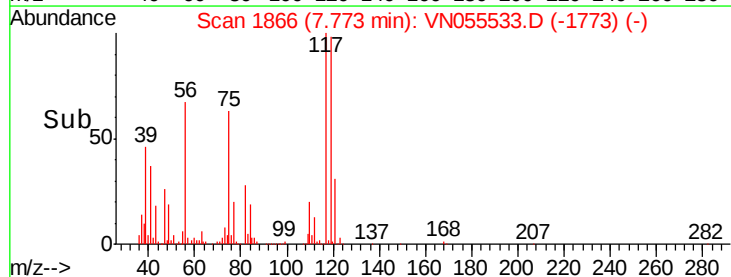
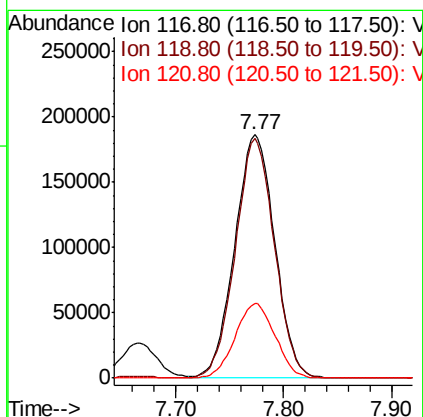
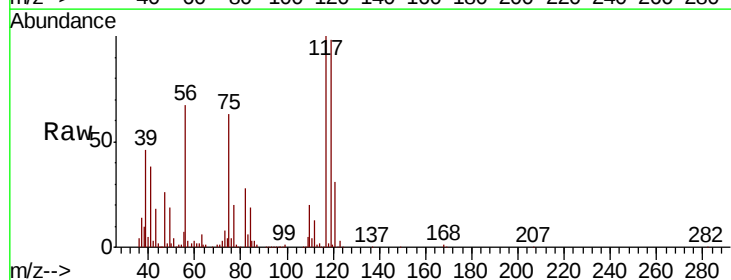
Instrument :
MSVOA_N
ClientSampled :

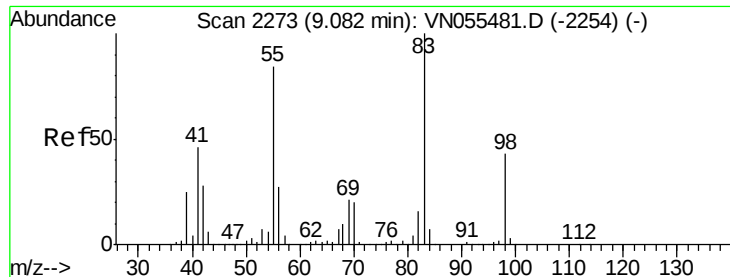
Tot Ion: 43 Resp: 482908
Ion Ratio Lower Upper
43 100
61 13.2 10.9 16.3
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 48.162 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 117 Resp: 479083
Ion Ratio Lower Upper
117 100
119 98.4 77.8 116.6
121 30.9 25.2 37.8

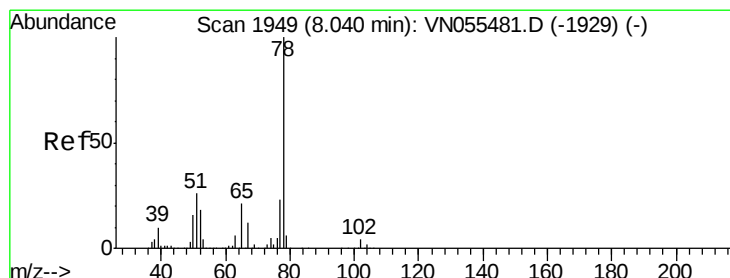
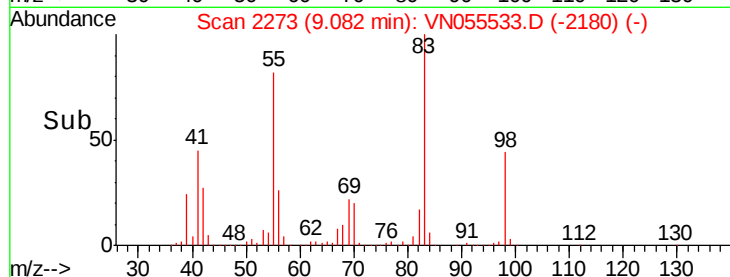
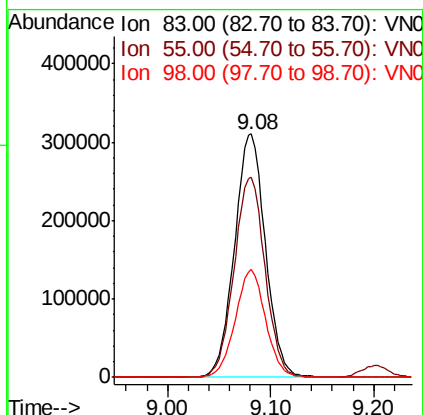
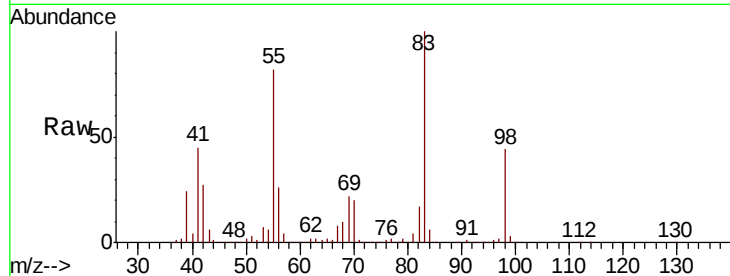




#39
Methvlcvclohexane
Concen: 44.979 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

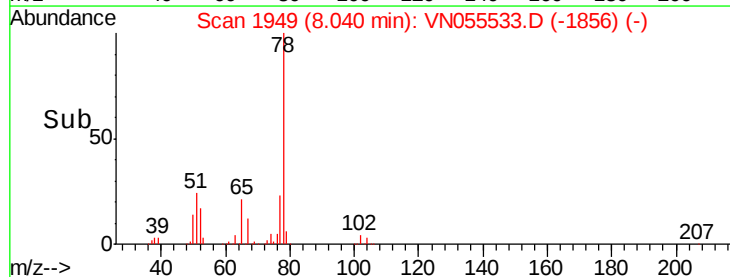
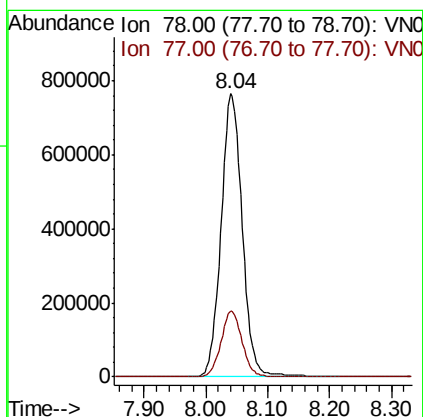
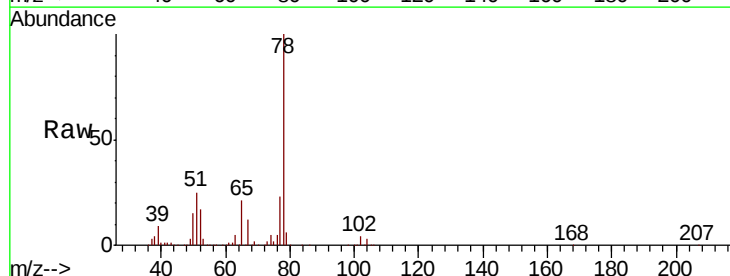
Instrument :
MSVOA_N
ClientSampled :

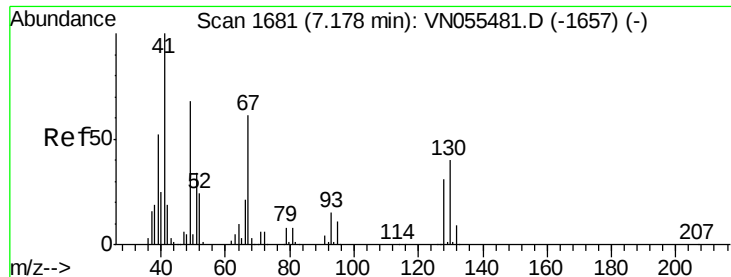
Tot Ion: 83 Resp: 647864
Ion Ratio Lower Upper
83 100
55 82.2 67.0 100.4
98 44.1 34.2 51.4



#40
Benzene
Concen: 49.475 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 78 Resp: 1813939
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

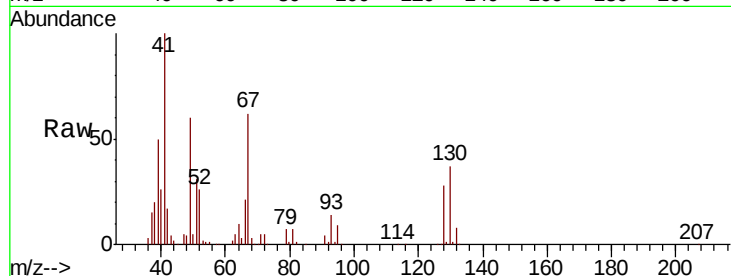




#41
Methacrylonitrile
Concen: 48.242 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	44.7	67.1
67	80.3	61.4	92.0
52	33.4	25.0	37.4



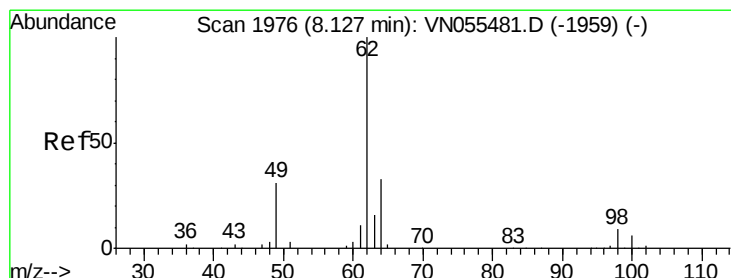
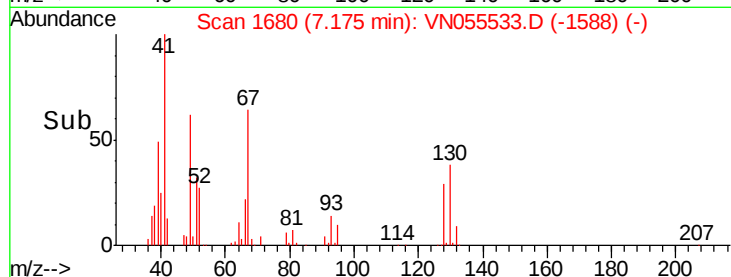
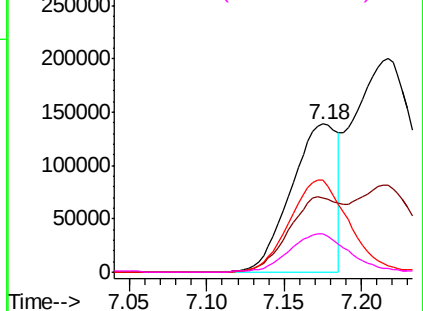
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

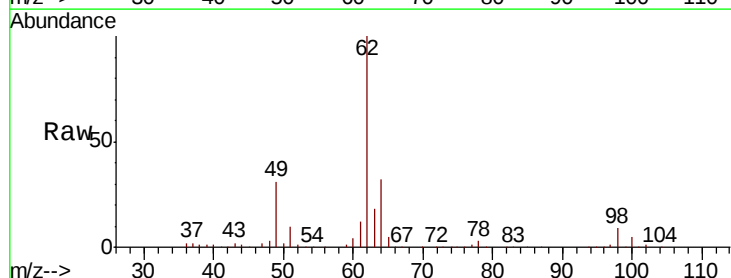
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 47.139 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

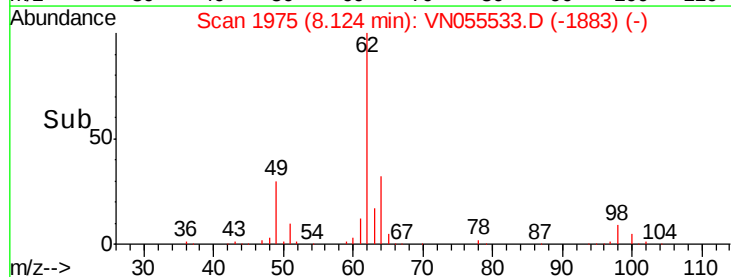
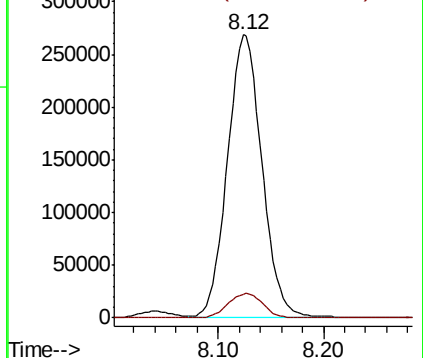
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4

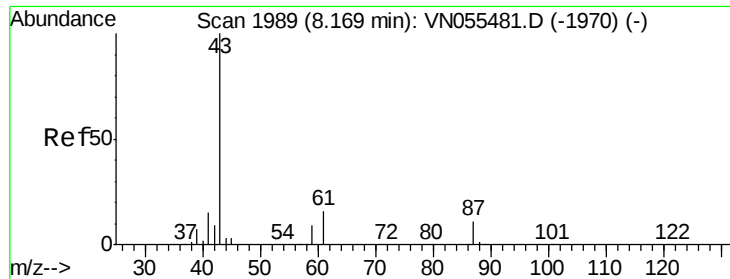


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 42.489 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampled :

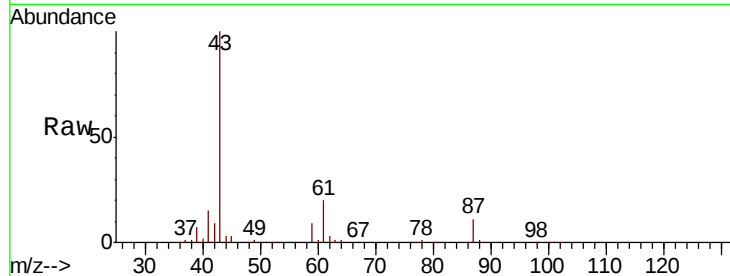
Tot Ion: 43 Resp: 831829

Ion Ratio Lower Upper

43 100

61 20.1 15.1 22.7

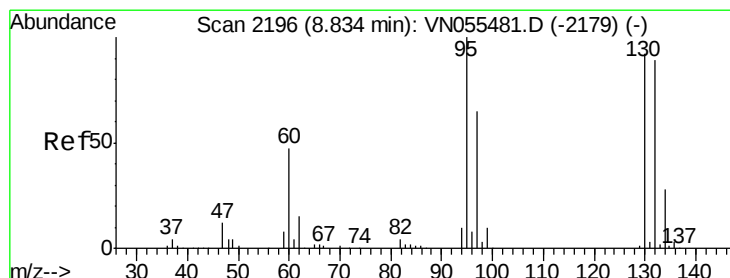
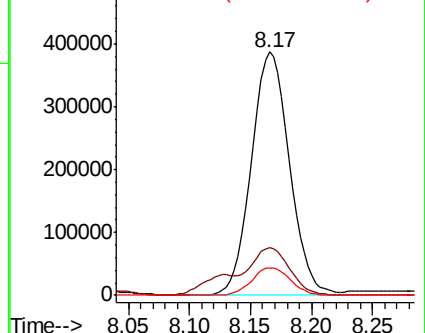
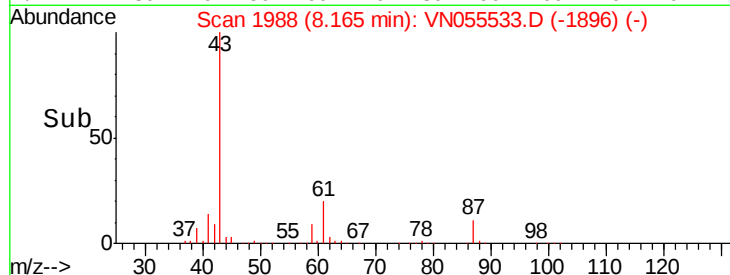
87 11.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055533.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055533.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055533.D (-1896) (-)



#44

Trichloroethene

Concen: 48.827 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055533.D

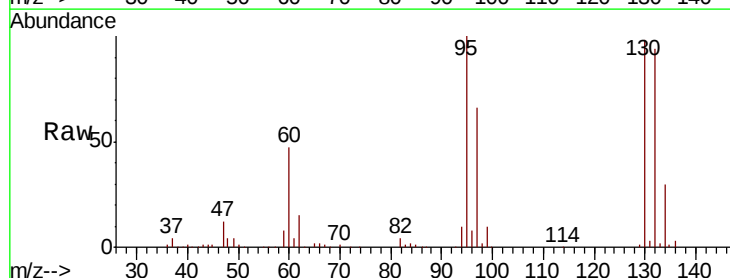
Acq: 10 May 2019 7:04

Tgt Ion:130 Resp: 425954

Ion Ratio Lower Upper

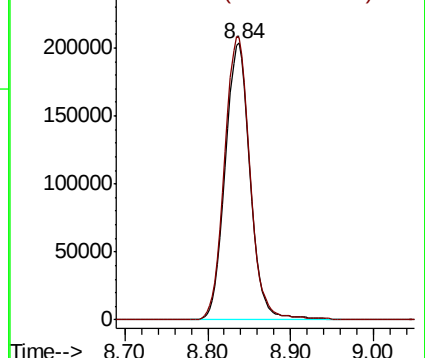
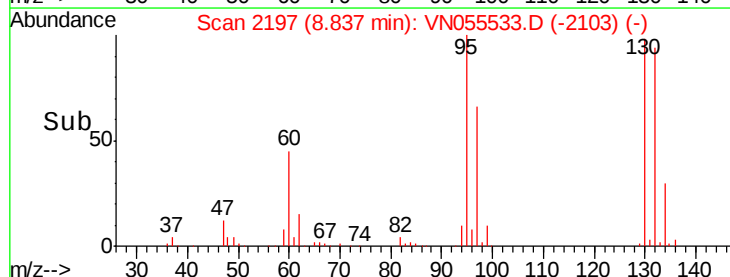
130 100

95 102.0 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055533.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055533.D (-2103) (-)

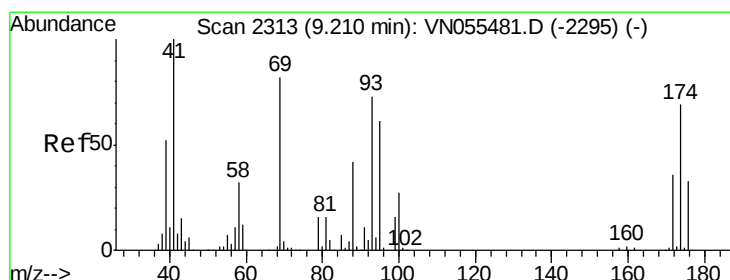
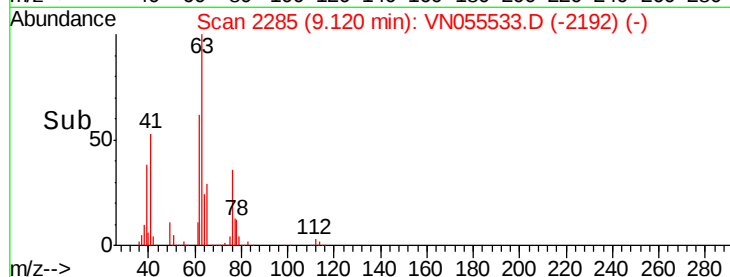
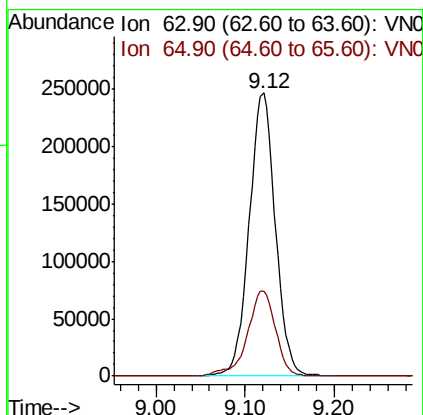
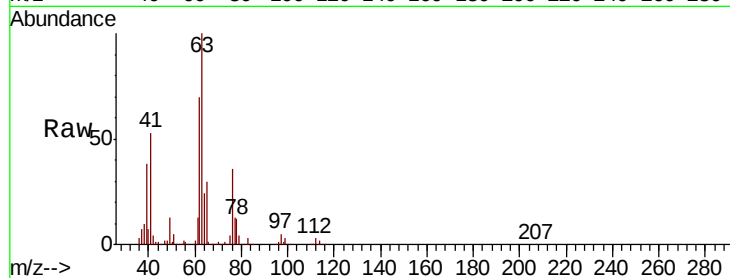




#45
 1,2-Dichloropropane
 Concen: 48.198 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

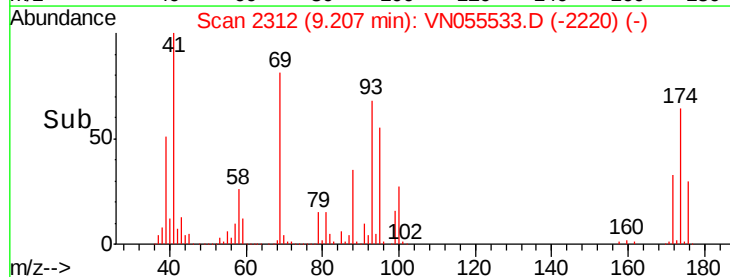
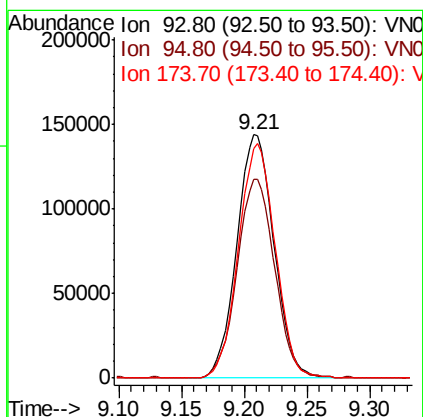
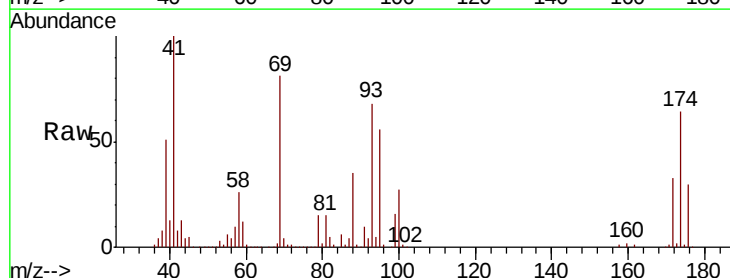
Instrument :
 MSVOA_N
 ClientSampled :

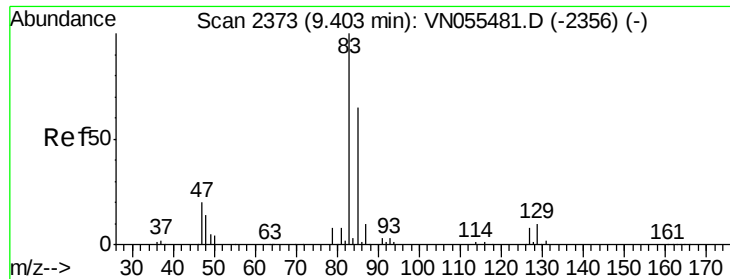
Tot Ion: 63 Resp: 505619
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 48.963 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 93 Resp: 297726
 Ion Ratio Lower Upper
 93 100
 95 82.1 64.8 97.2
 174 95.3 75.0 112.6





#47

Bromodichloromethane

Concen: 49.550 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampleId :

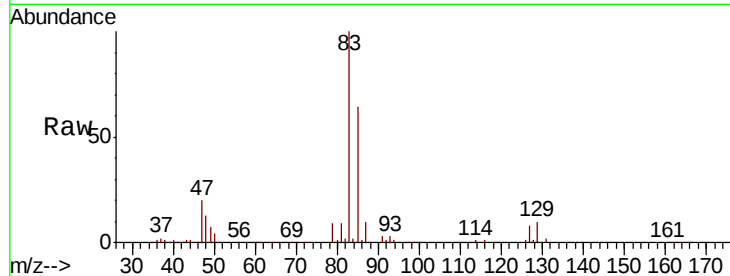
Tot Ion: 83 Resp: 576401

Ion Ratio Lower Upper

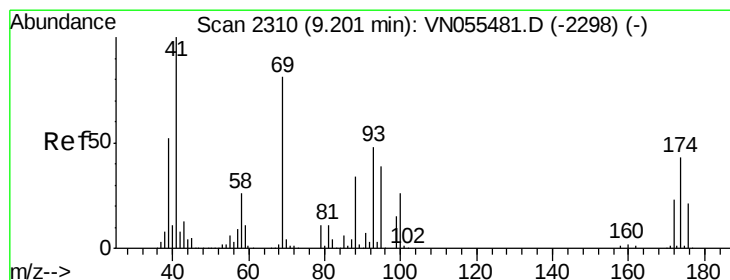
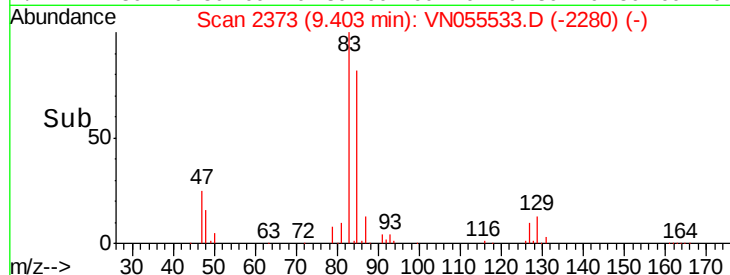
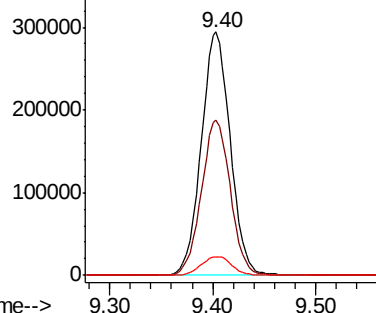
83 100

85 63.6 52.2 78.2

127 7.8 6.5 9.7



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



#48

Methyl methacrylate

Concen: 47.183 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

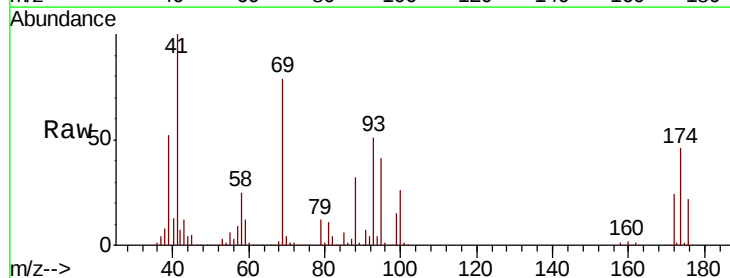
Tgt Ion: 41 Resp: 445062

Ion Ratio Lower Upper

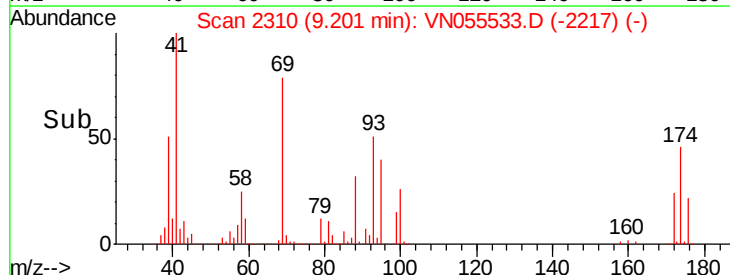
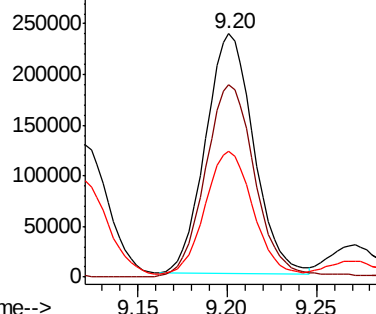
41 100

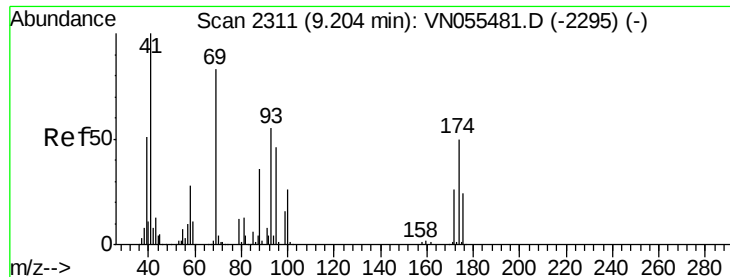
69 83.2 64.2 96.2

39 52.8 41.6 62.4



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

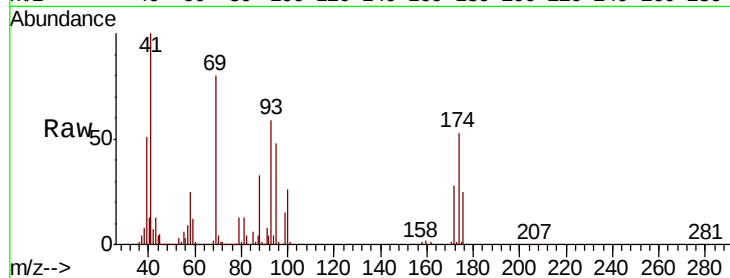




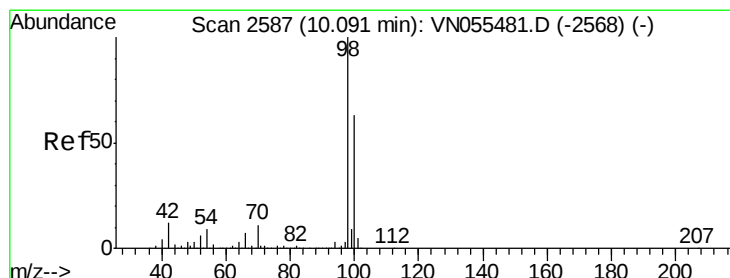
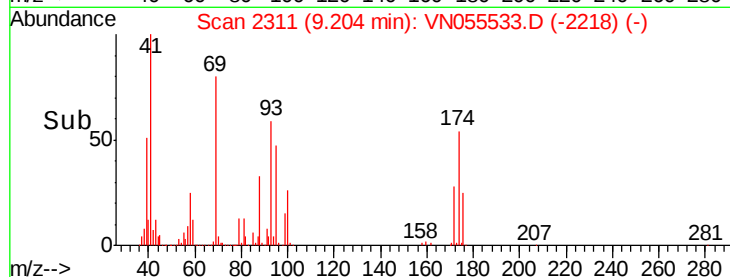
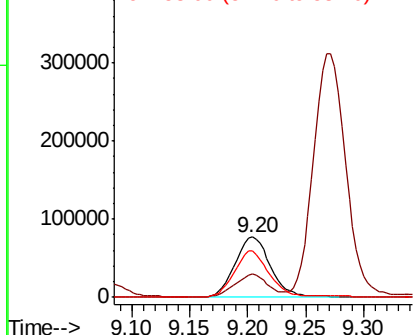
#49
1,4-Dioxane
Concen: 901.624 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 165759
Ion Ratio Lower Upper
88 100
43 33.9 27.8 41.8
58 73.8 61.8 92.6

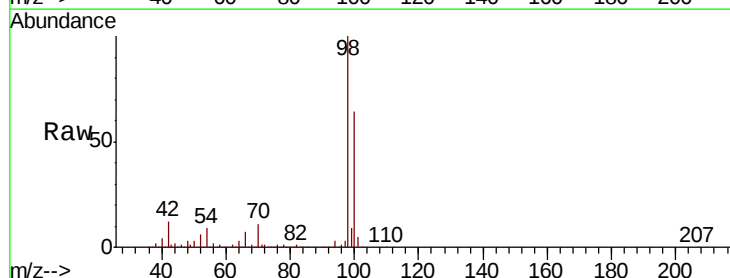


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

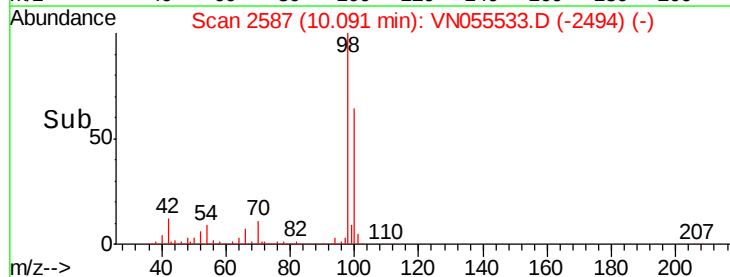
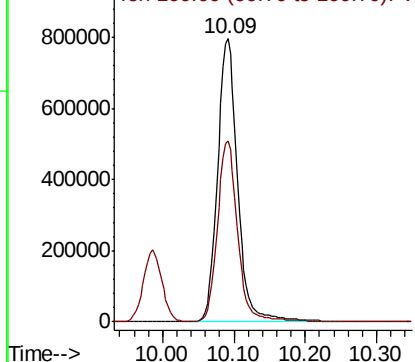


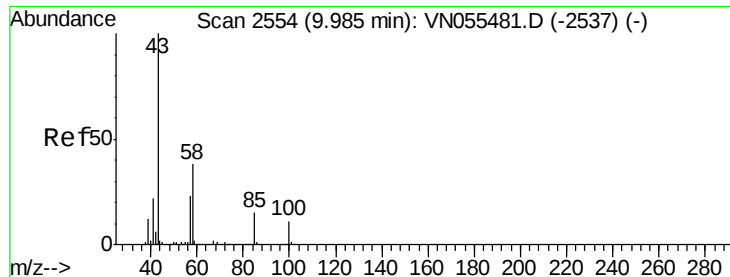
#50
Toluene-d8
Concen: 51.479 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 98 Resp: 1551766
Ion Ratio Lower Upper
98 100
100 63.0 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: 228.160 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

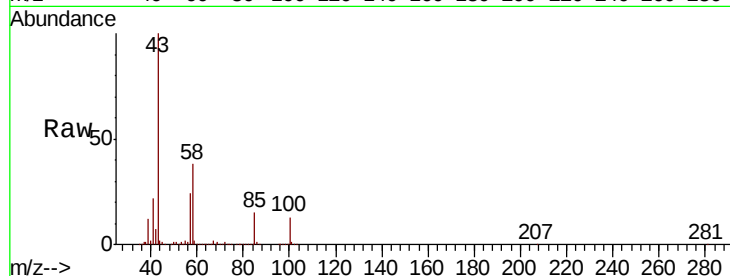
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2937762

Ion Ratio Lower Upper

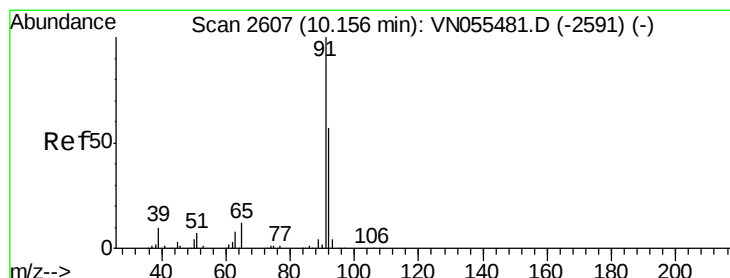
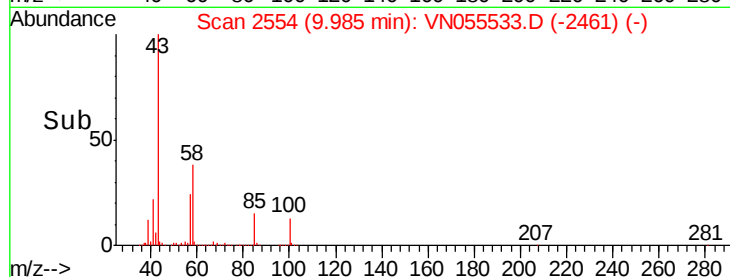
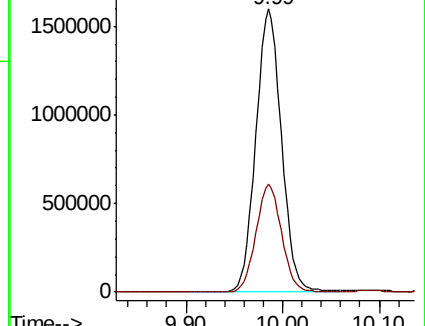
43 100

58 38.1 29.9 44.9



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

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



#52

Toluene

Concen: 50.223 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055533.D

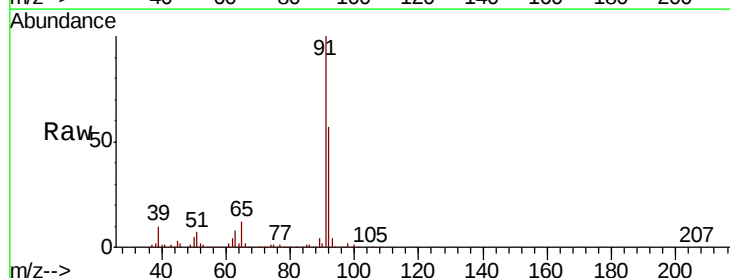
Acq: 10 May 2019 7:04

Tgt Ion: 92 Resp: 1052709

Ion Ratio Lower Upper

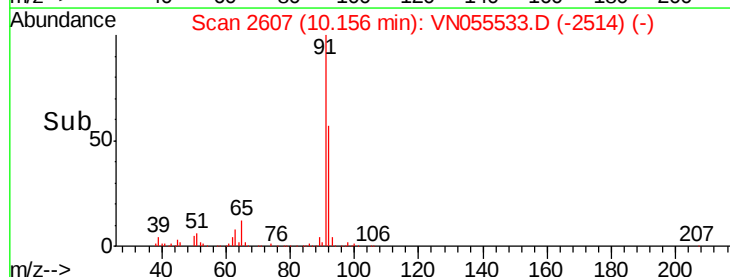
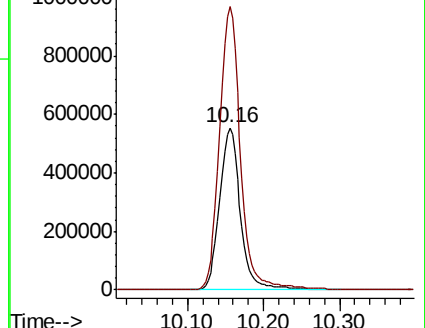
92 100

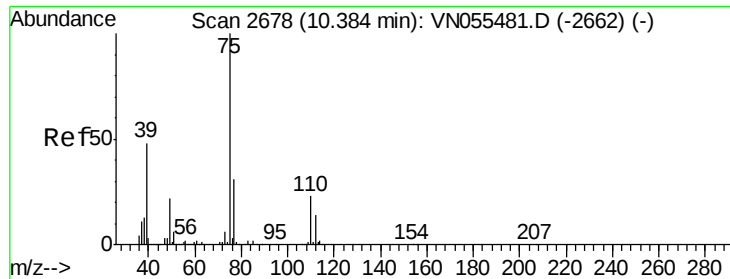
91 176.9 140.5 210.7



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

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





#53

t-1,3-Dichloropropene

Concen: 49.479 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

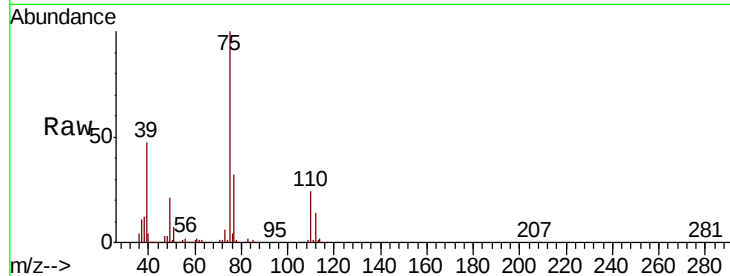
ClientSampleId :

Tot Ion: 75 Resp: 552802

Ion Ratio Lower Upper

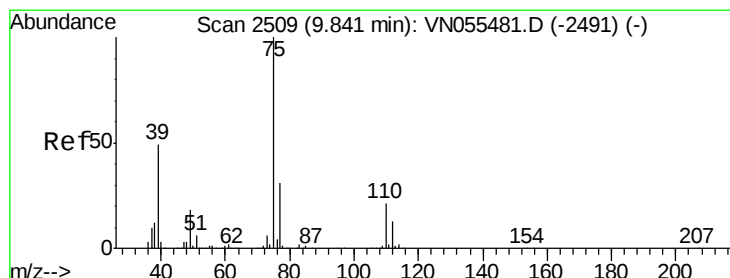
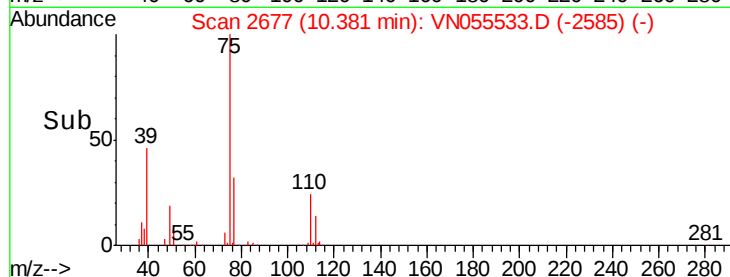
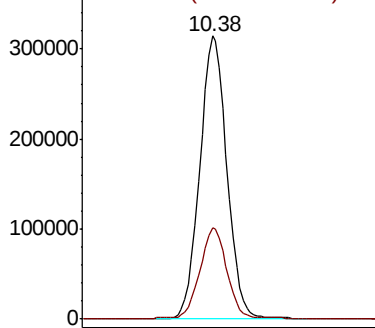
75 100

77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.687 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

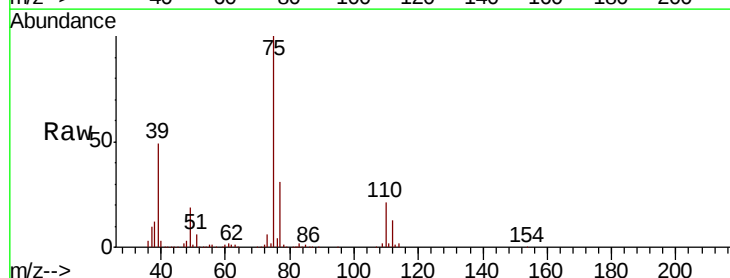
Tgt Ion: 75 Resp: 649991

Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

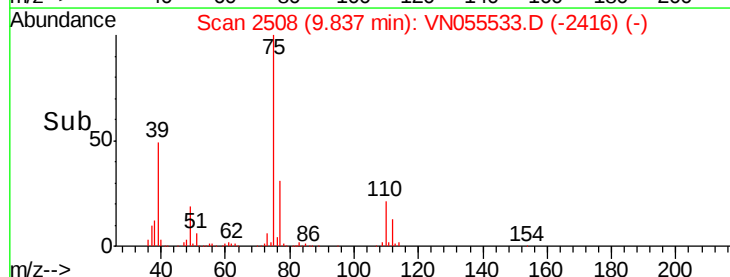
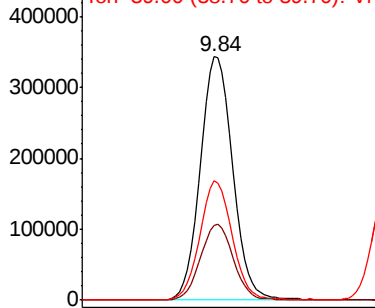
39 48.8 39.5 59.3

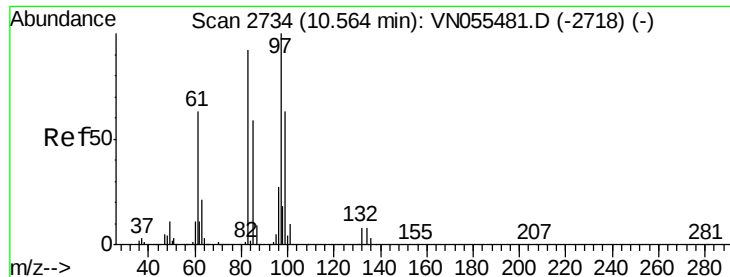


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 48.912 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 415389

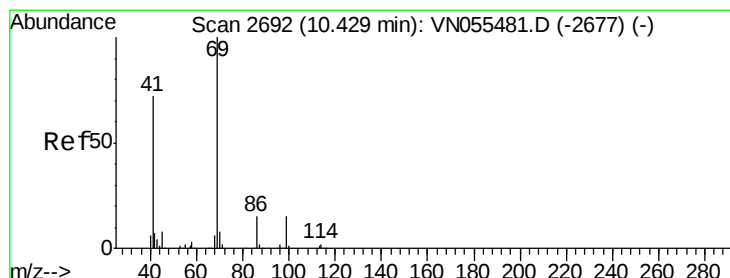
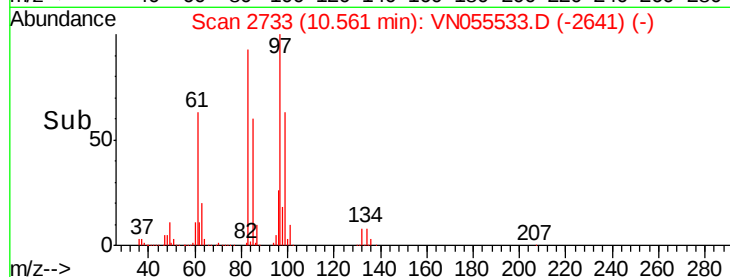
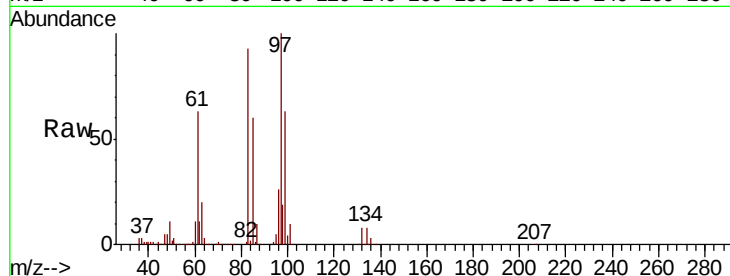
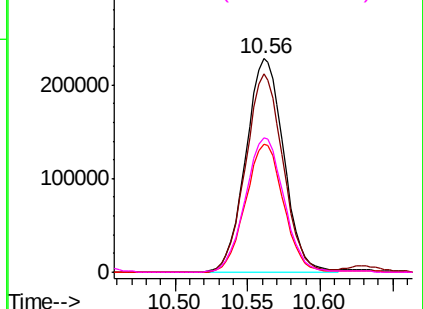
Ion	Ratio	Lower	Upper
97	100		
83	92.7	73.2	109.8
85	59.6	47.5	71.3
99	62.9	50.2	75.2

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: 49.041 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

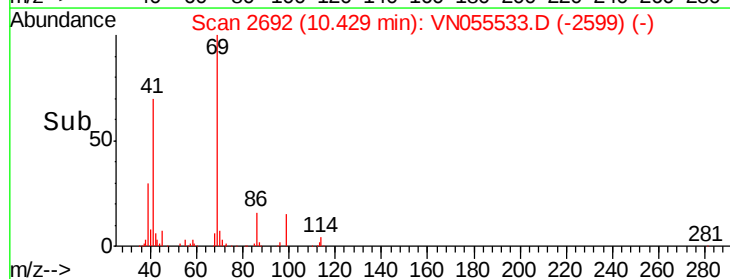
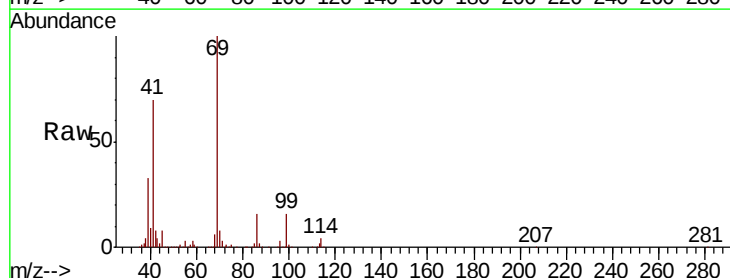
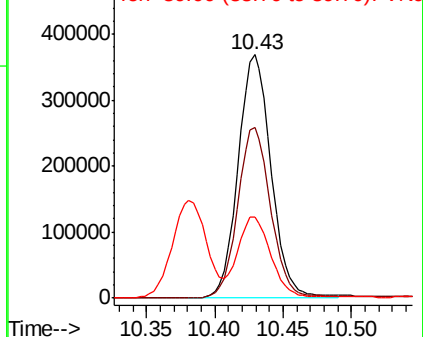
Tgt Ion: 69 Resp: 619490

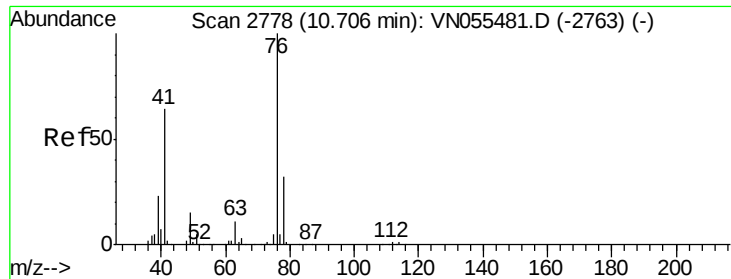
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.2	84.2
39	32.8	27.8	41.6

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

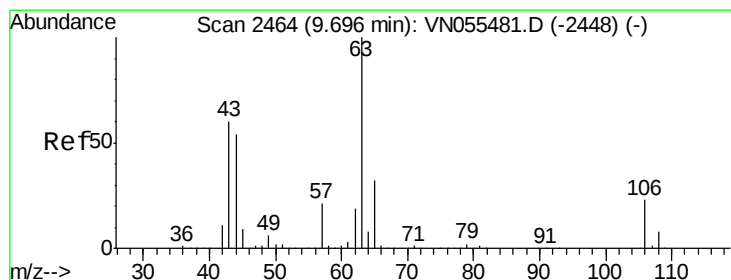
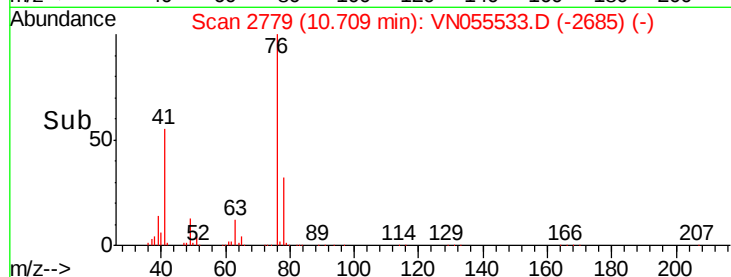
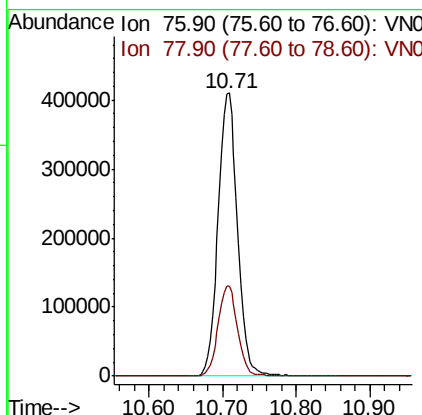
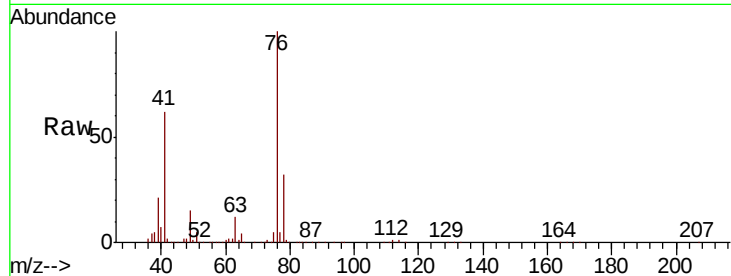




#57
 1,3-Dichloropropane
 Concen: 49.739 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

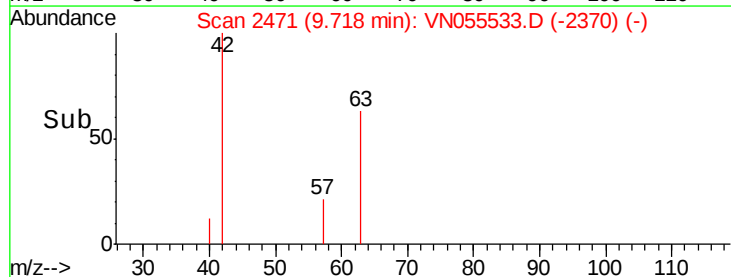
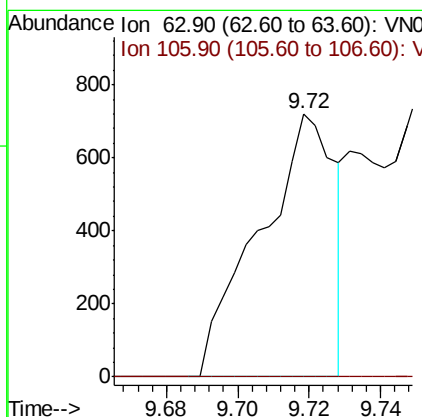
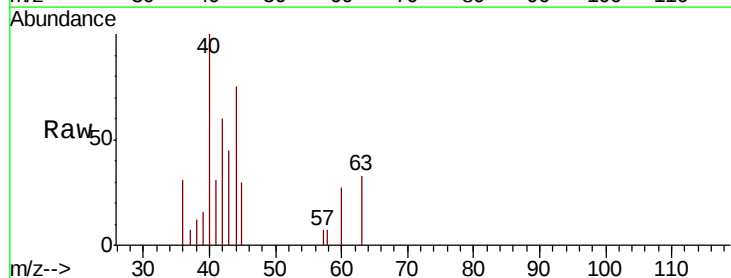
Instrument :
 MSVOA_N
 ClientSampleId :

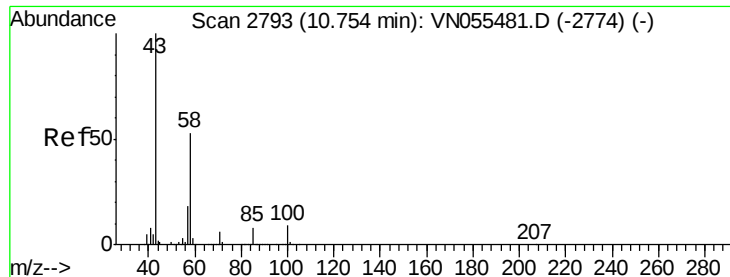
Tot Ion: 76 Resp: 749920
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.747 ug/l
 RT: 9.72 min Scan# 2471
 Delta R.T. 0.02 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 63 Resp: 1053
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#

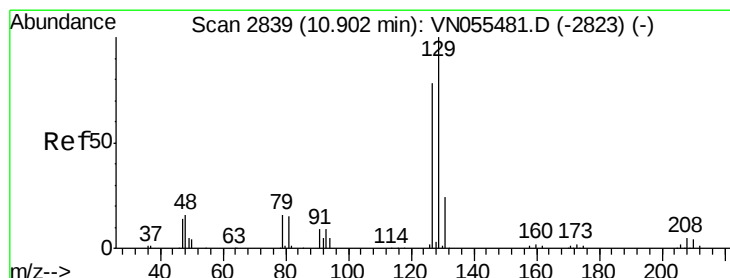
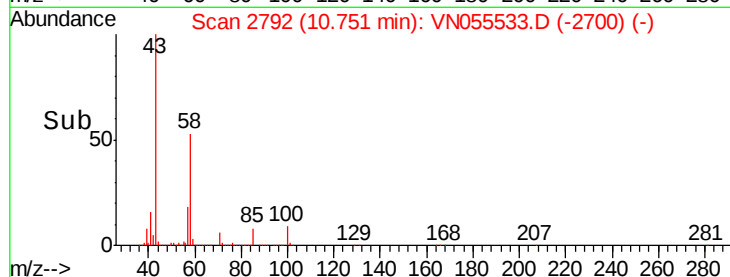
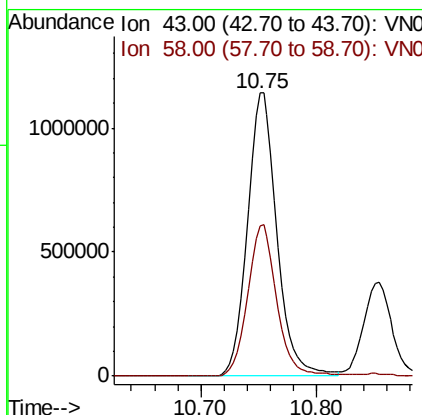
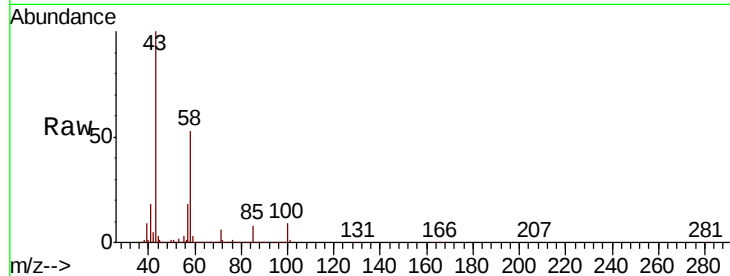




#59
2-Hexanone
Concen: 223.450 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

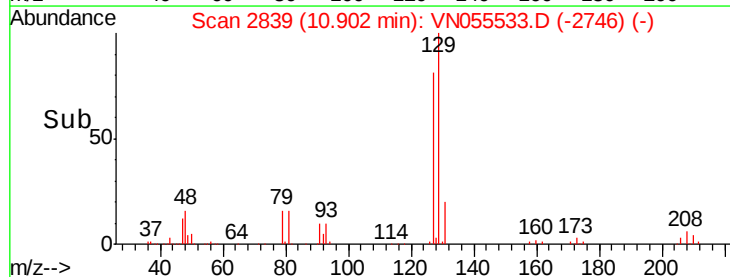
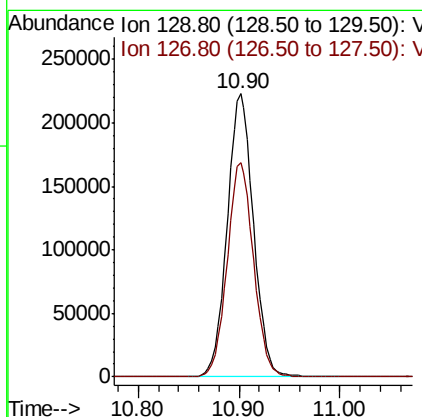
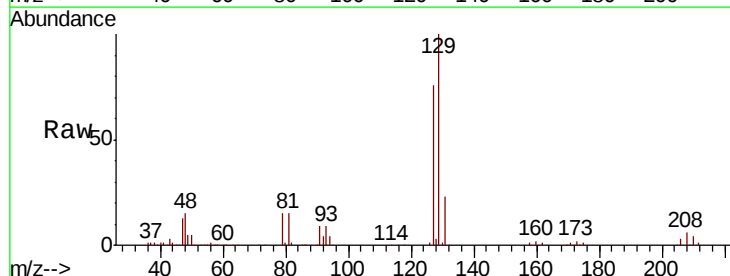
Instrument :
MSVOA_N
ClientSampled :

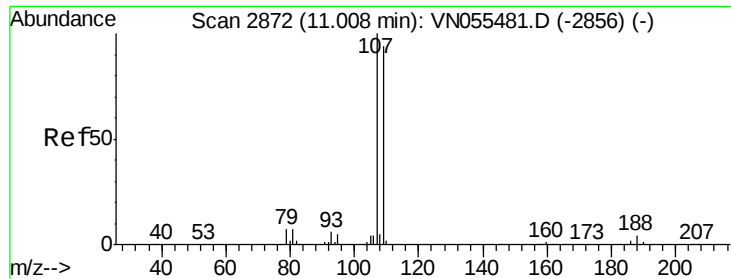
Tot Ion: 43 Resp: 2017721
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 52.458 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion:129 Resp: 405052
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0

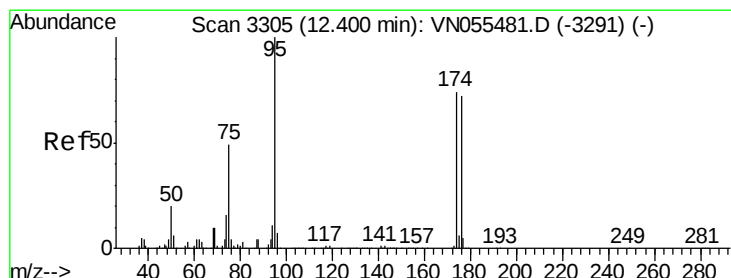
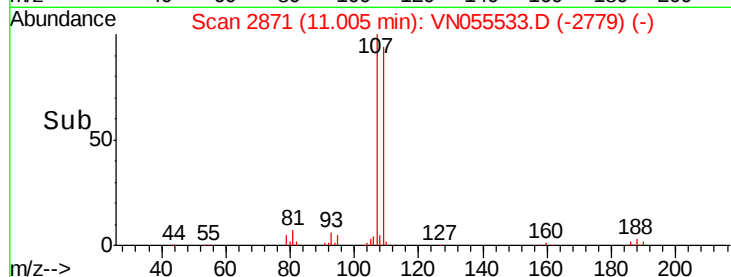
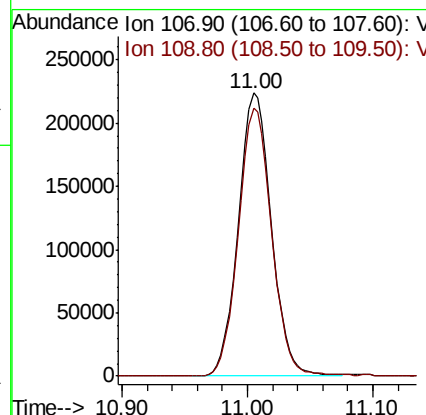
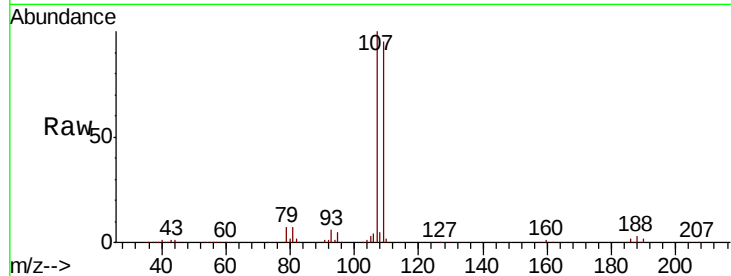




#61
 1,2-Dibromoethane
 Concen: 50.188 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

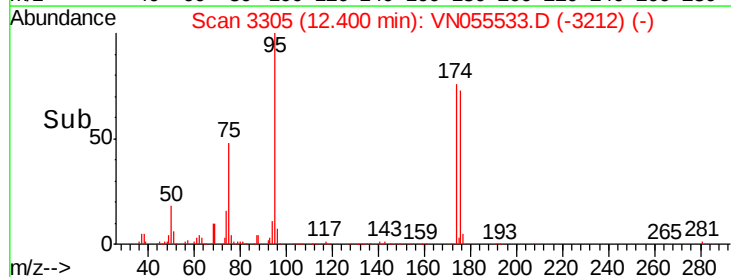
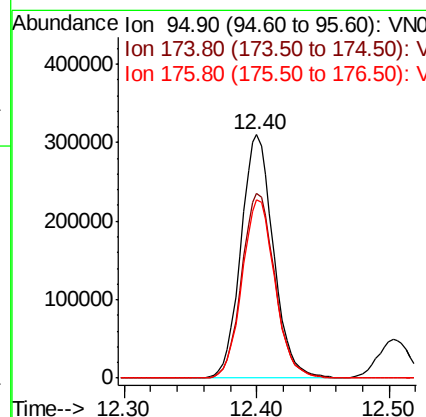
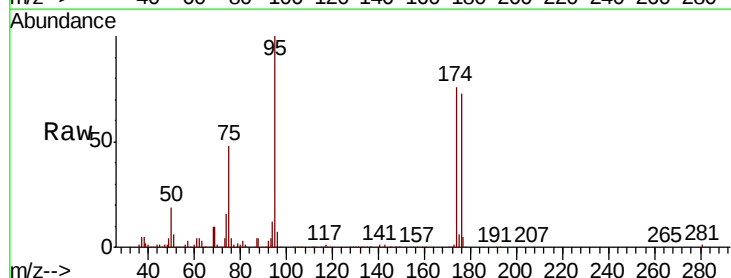
Instrument :
 MSVOA_N
 ClientSampled :

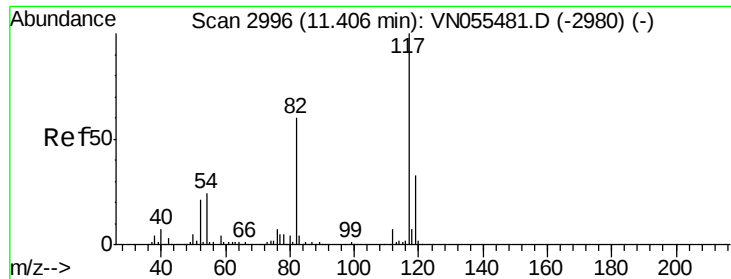
Tot Ion: 107 Resp: 409517
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 51.920 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion: 95 Resp: 527709
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 152.2
 176 74.3 0.0 147.8

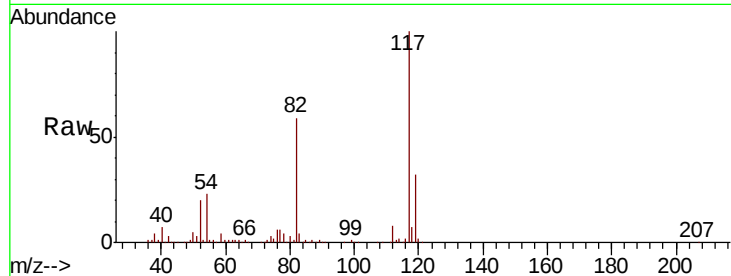




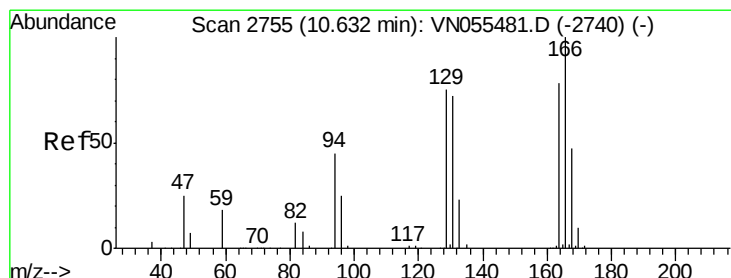
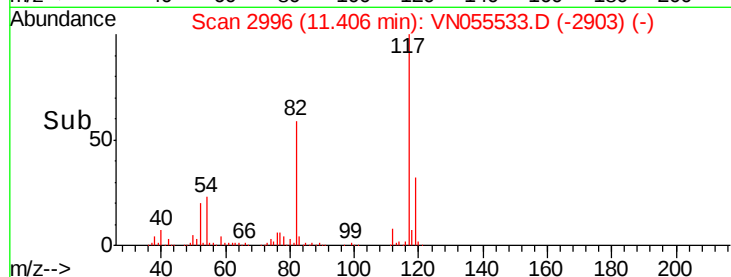
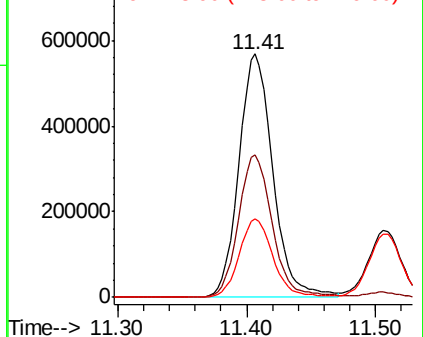
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1046059
Ion Ratio Lower Upper
117 100
82 58.7 48.0 72.0
119 32.2 26.0 39.0

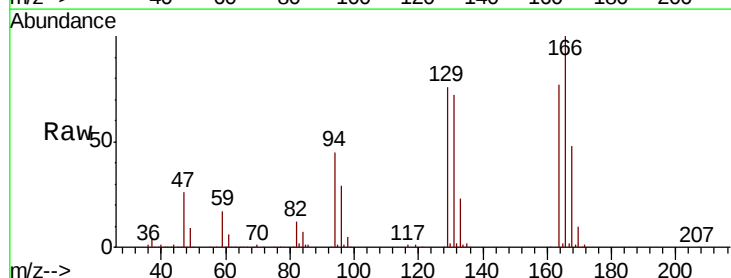


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

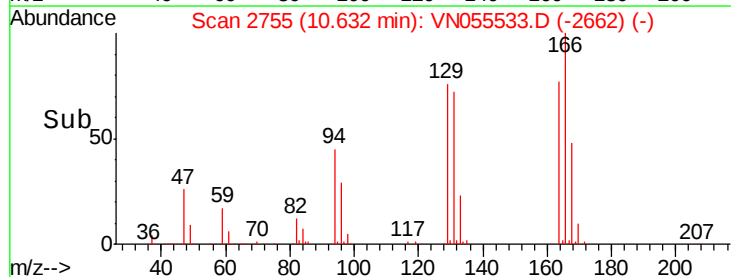
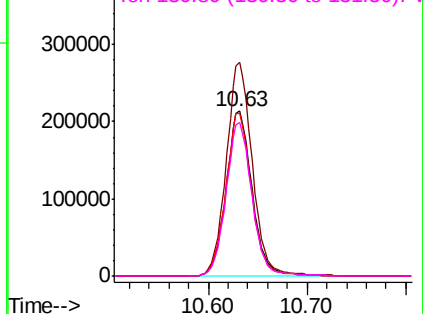


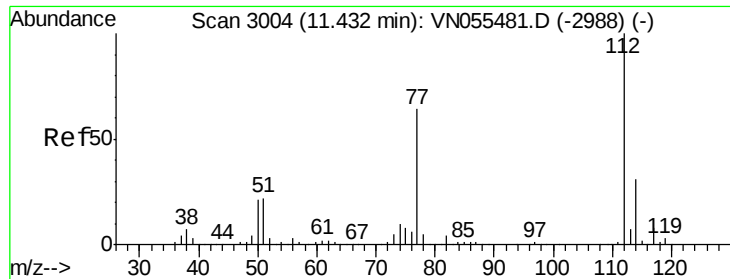
#64
Tetrachloroethene
Concen: 46.033 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion:164 Resp: 394573
Ion Ratio Lower Upper
164 100
166 129.4 102.6 153.8
129 98.9 77.0 115.6
131 92.8 73.7 110.5



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

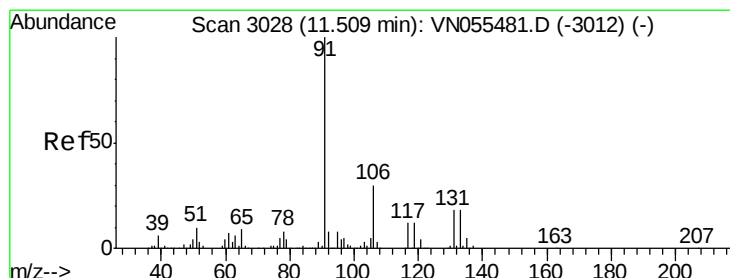
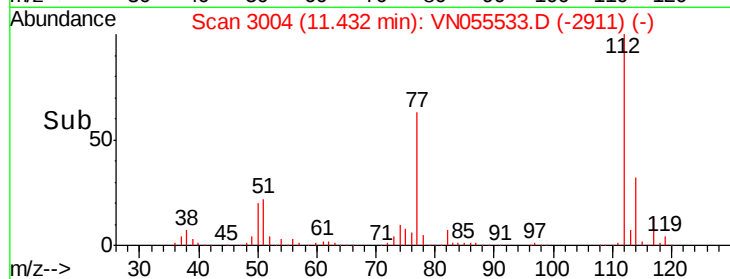
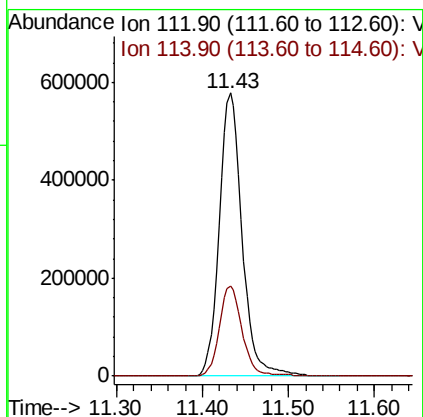
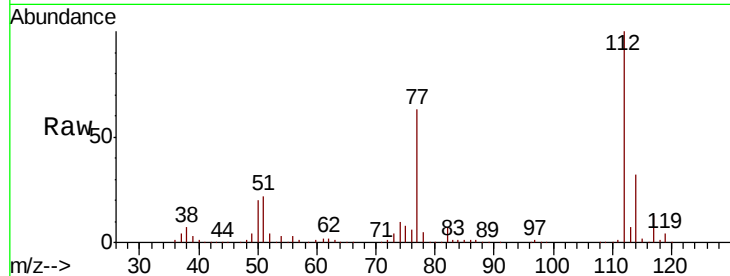




#65
Chlorobenzene
Concen: 49.599 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

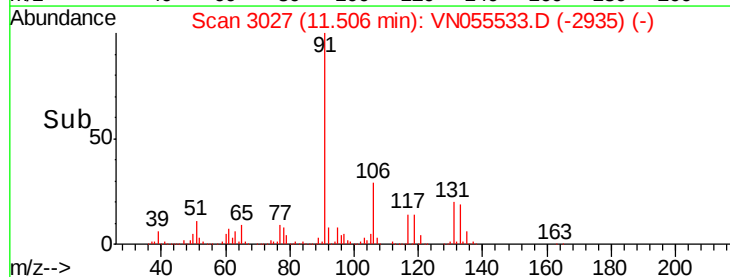
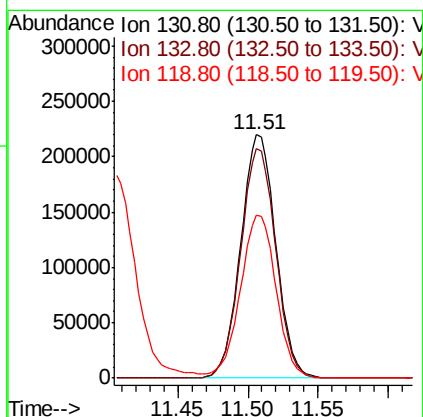
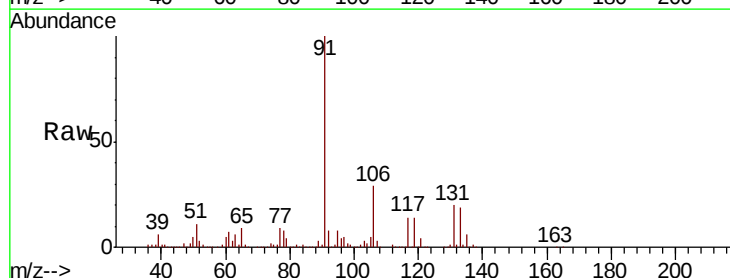
Instrument :
MSVOA_N
ClientSampleId :

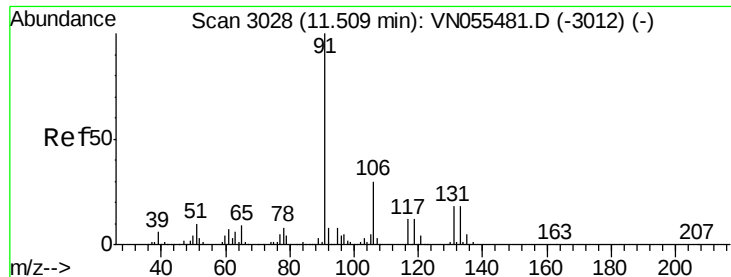
Tot Ion:112 Resp: 1067429
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.692 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion:131 Resp: 382985
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 68.0 34.1 102.2

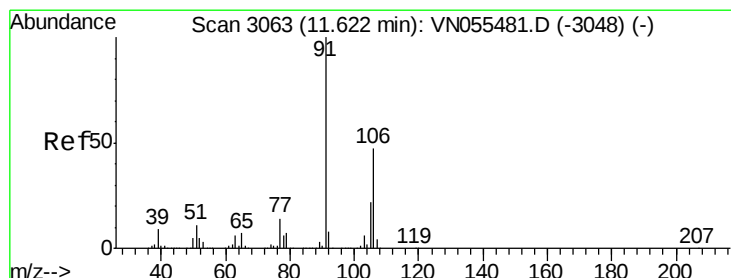
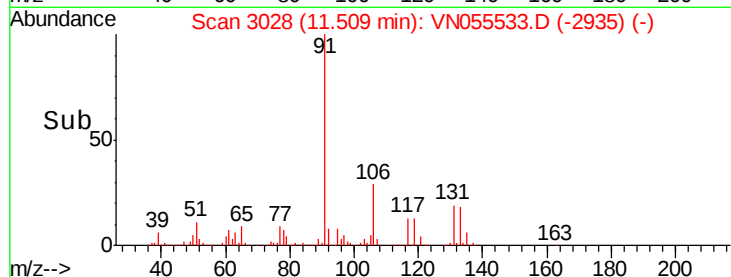
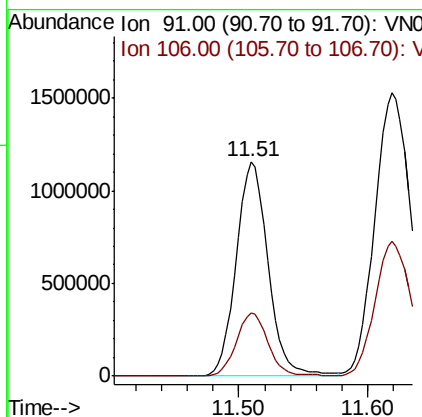
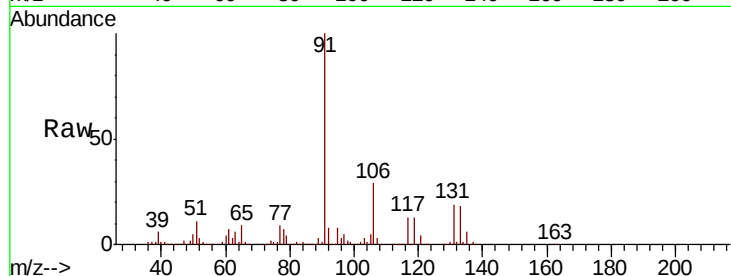




#67
Ethyl Benzene
Concen: 49.184 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

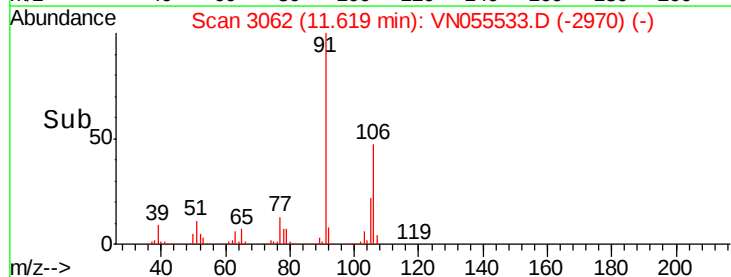
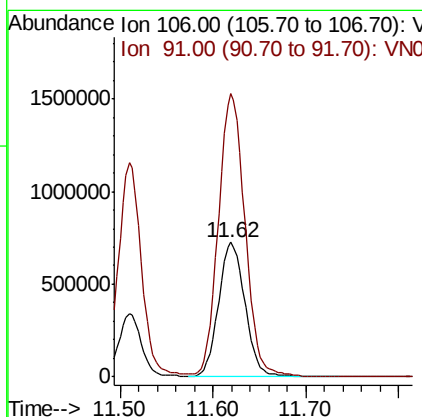
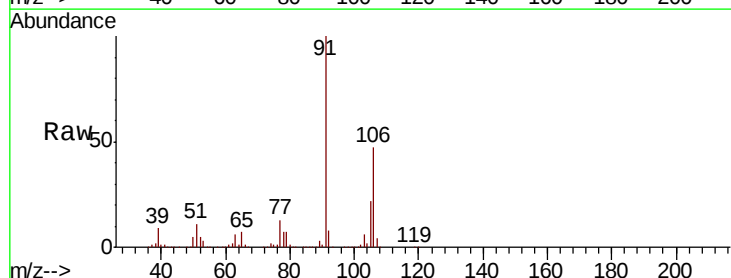
Instrument :
MSVOA_N
ClientSampleId :

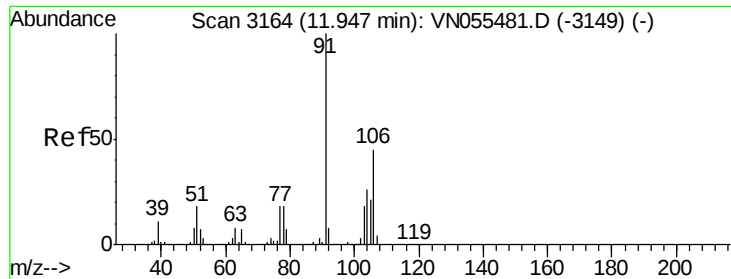
Tot Ion: 91 Resp: 1987991
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 99.427 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 106 Resp: 1442246
Ion Ratio Lower Upper
106 100
91 210.8 169.2 253.8

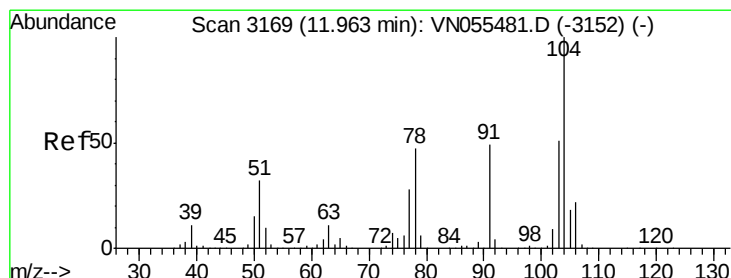
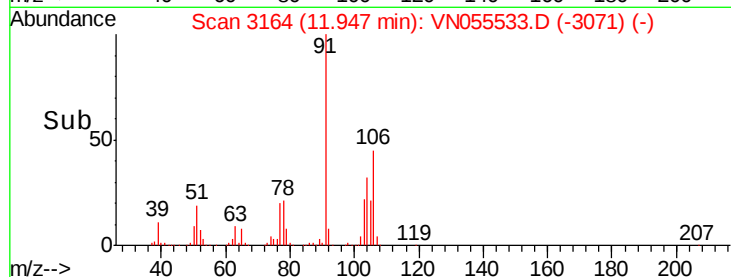
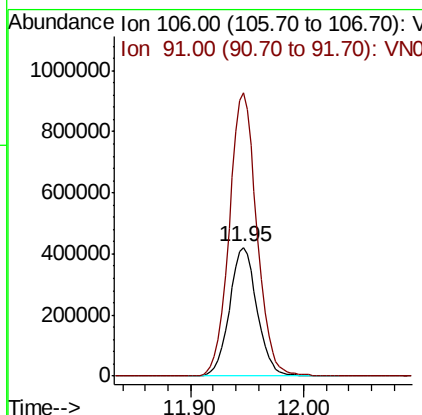
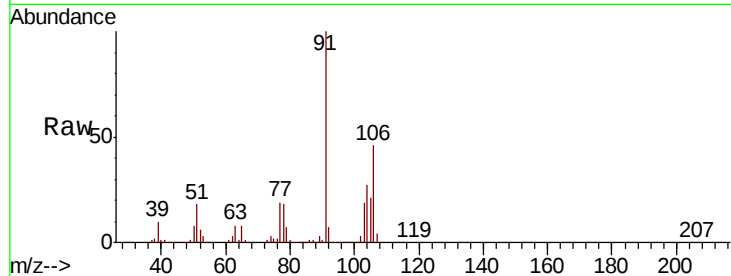




#69
o-Xylene
Concen: 50.096 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

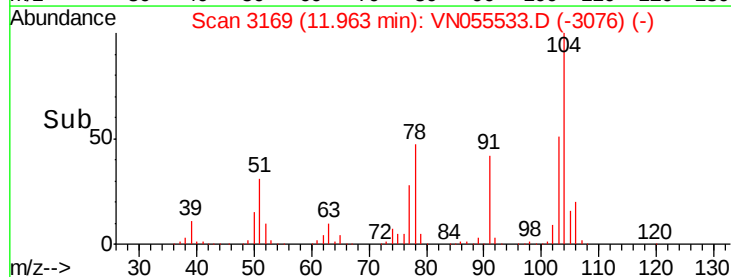
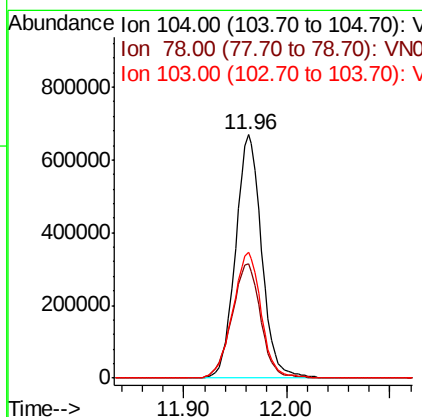
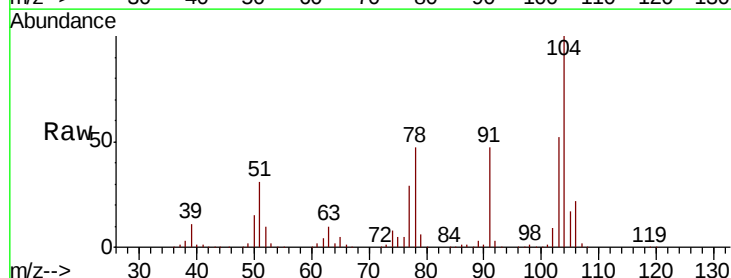
Instrument :
MSVOA_N
ClientSampled :

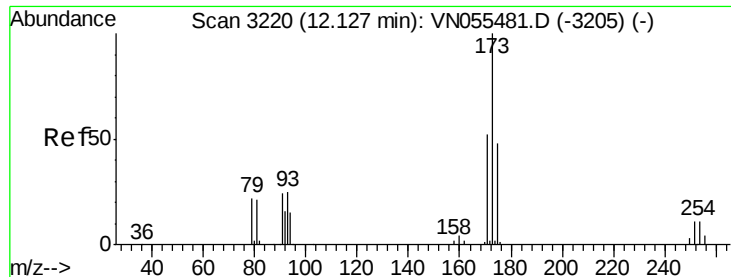
Tot Ion:106 Resp: 714230
Ion Ratio Lower Upper
106 100
91 219.6 111.3 333.8



#70
Styrene
Concen: 51.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion:104 Resp: 1180396
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 56.4 44.4 66.6





#71

Bromoform

Concen: 52.799 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

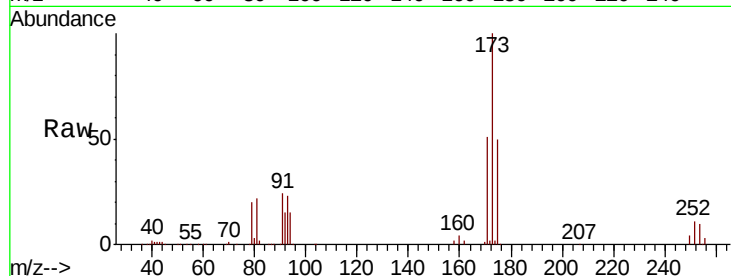
Tot Ion:173 Resp: 263976

Ion Ratio Lower Upper

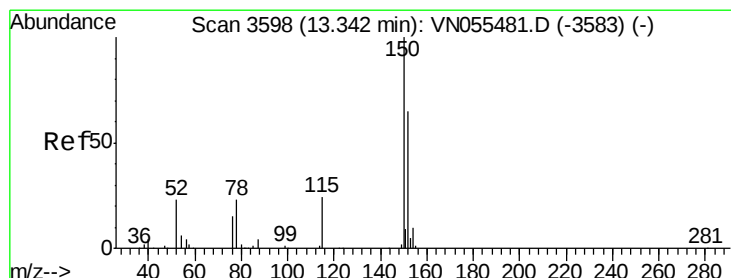
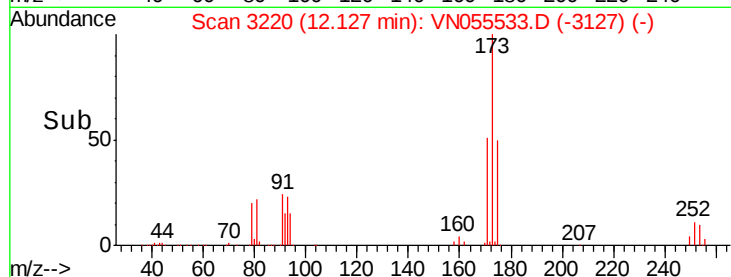
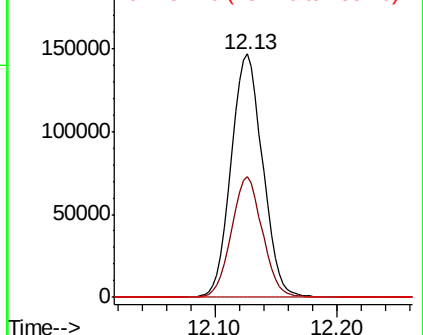
173 100

175 48.6 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: VN055533.D

Acq: 10 May 2019 7:04

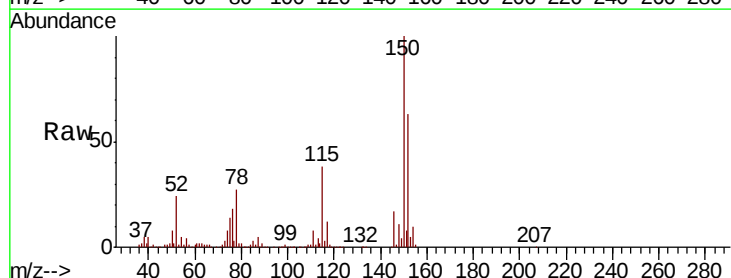
Tgt Ion:152 Resp: 435377

Ion Ratio Lower Upper

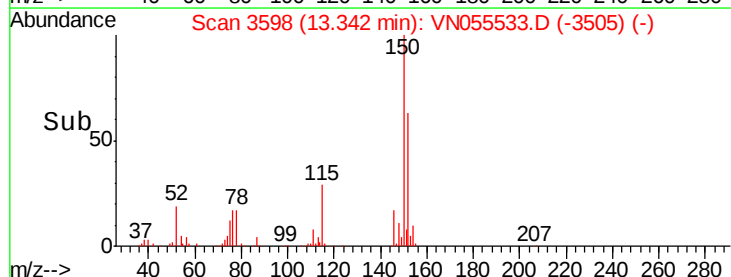
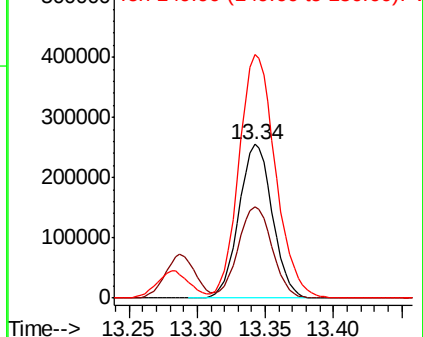
152 100

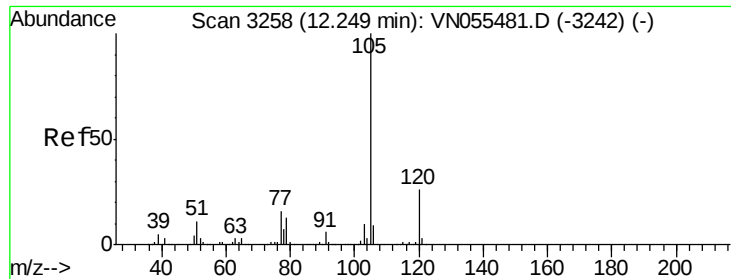
115 59.9 30.1 90.5

150 172.6 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

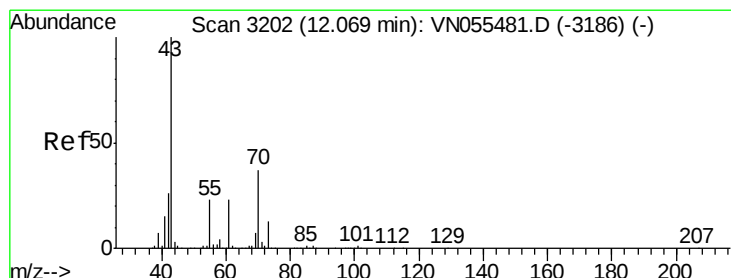
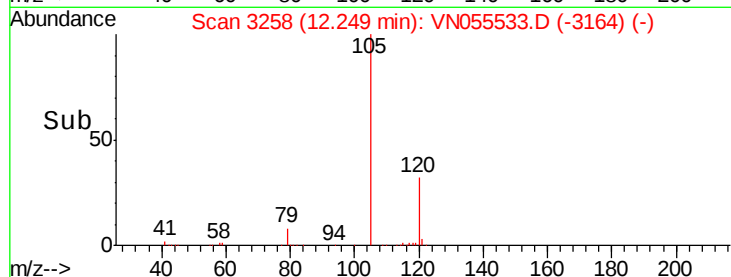
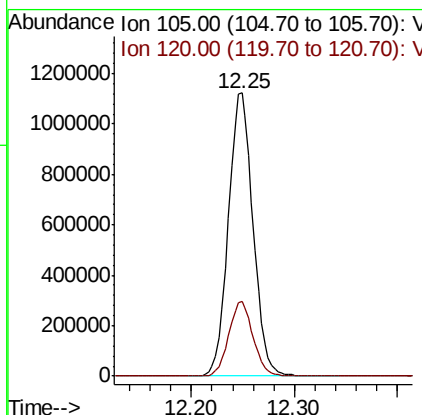
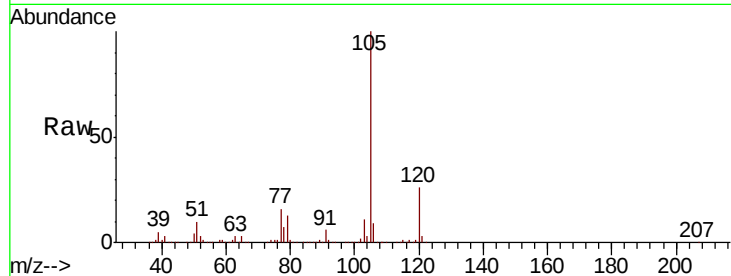




#73
Isopropylbenzene
Concen: 52.199 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

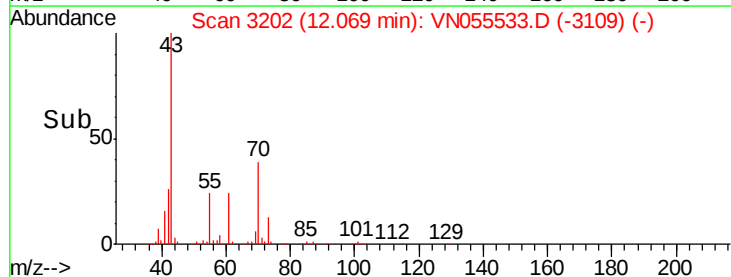
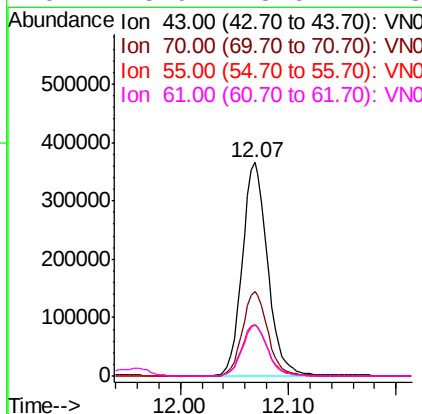
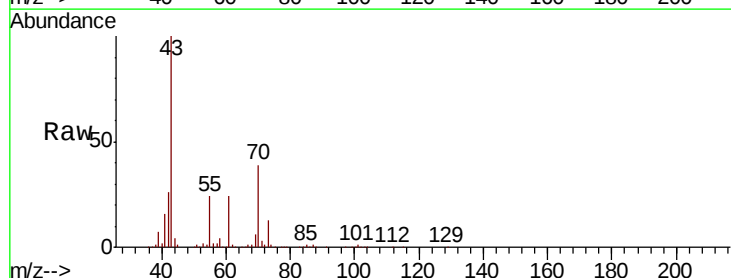
Instrument :
MSVOA_N
ClientSampleId :

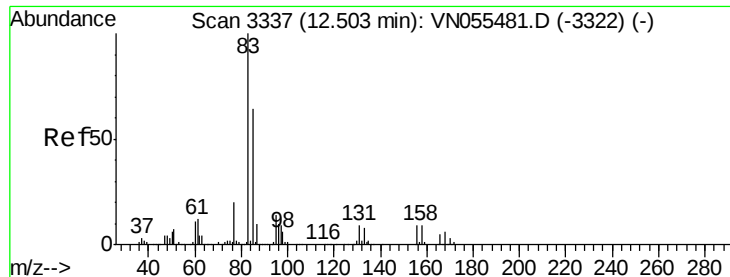
Tot Ion:105 Resp: 1869959
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0



#74
N-ethyl acetate
Concen: 36.056 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 43 Resp: 595985
Ion Ratio Lower Upper
43 100
70 39.8 30.7 46.1
55 24.9 19.3 28.9
61 23.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.271 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

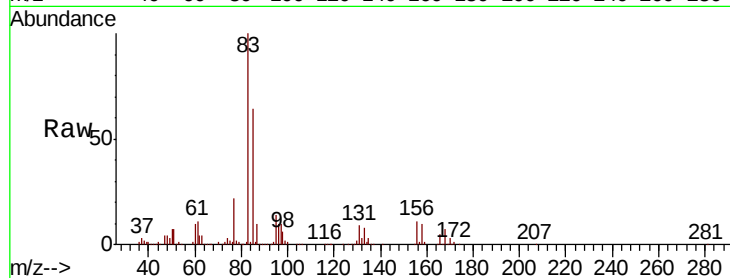
Tot Ion: 83 Resp: 597737

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

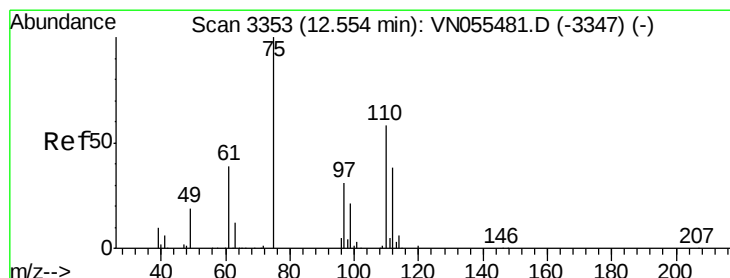
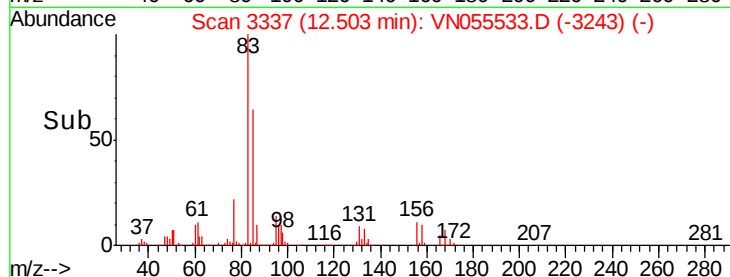
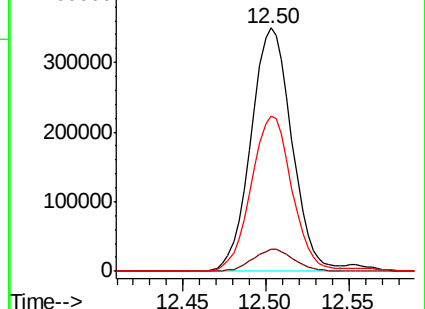
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055533.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055533.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055533.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 58.314 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055533.D

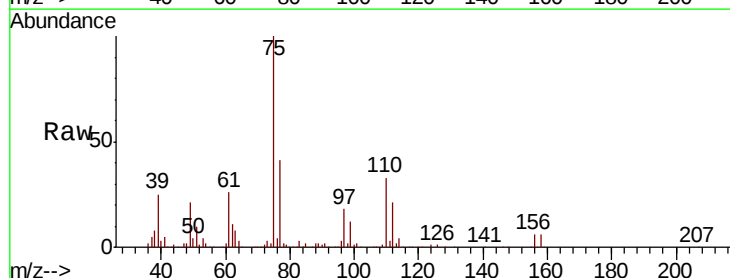
Acq: 10 May 2019 7:04

Tgt Ion: 75 Resp: 691161

Ion Ratio Lower Upper

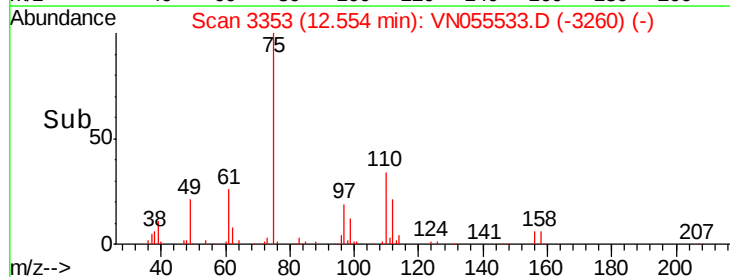
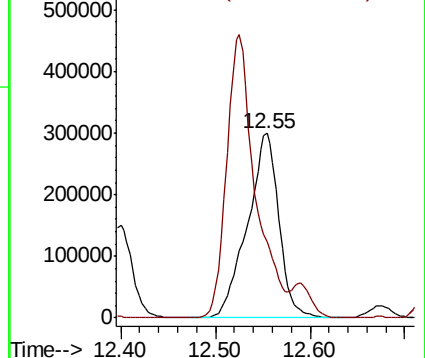
75 100

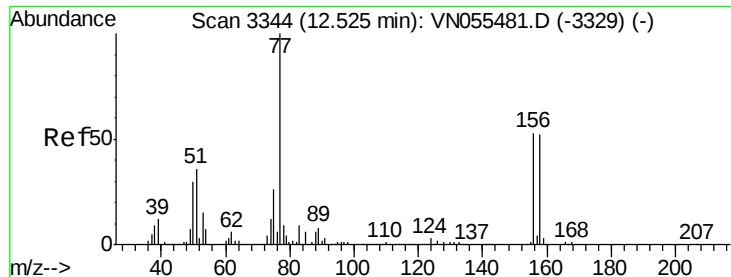
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055533.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055533.D (-3260) (-)





#77

Bromobenzene

Concen: 45.406 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

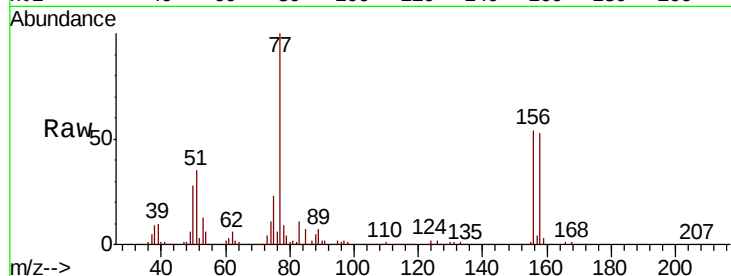
Tot Ion:156 Resp: 435663

Ion Ratio Lower Upper

156 100

77 223.8 115.4 346.2

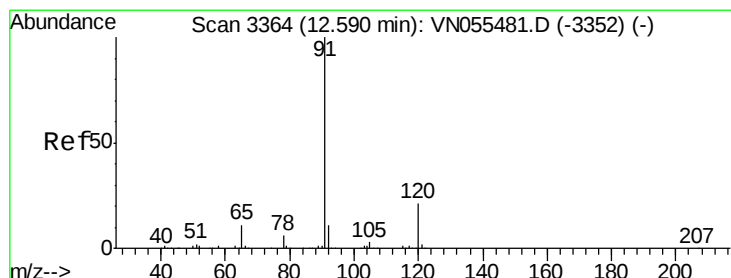
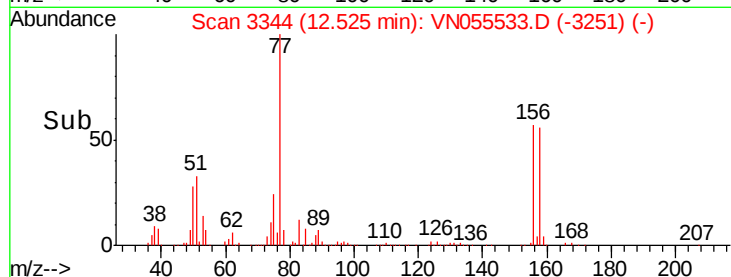
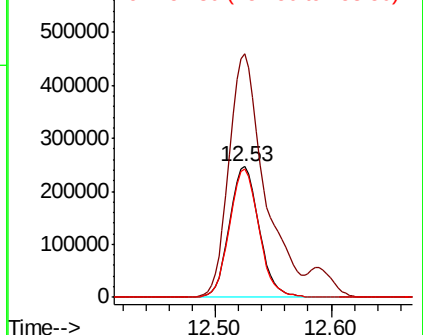
158 97.5 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.379 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055533.D

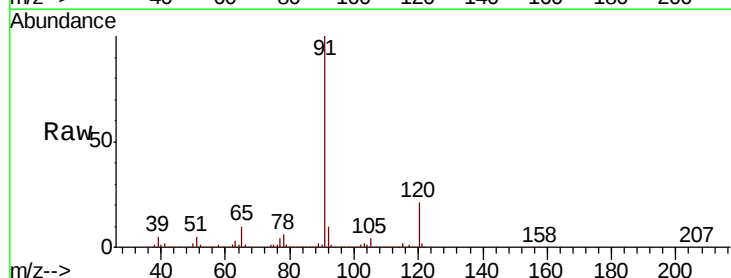
Acq: 10 May 2019 7:04

Tgt Ion: 91 Resp: 2119041

Ion Ratio Lower Upper

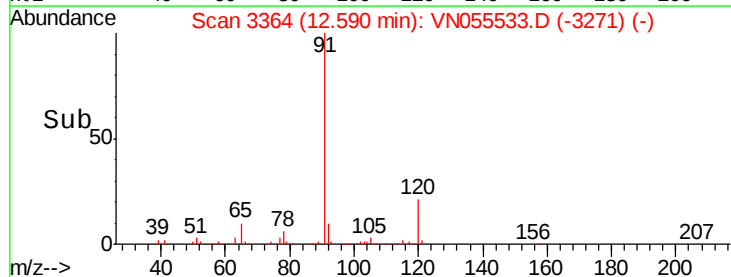
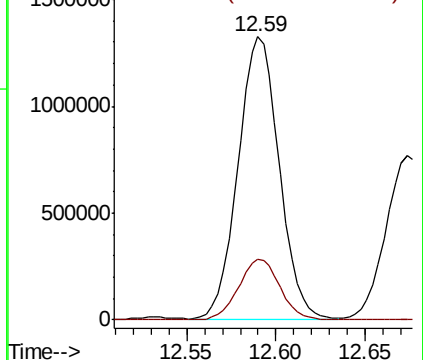
91 100

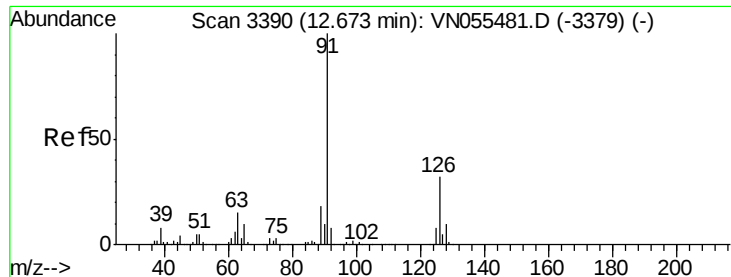
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.560 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

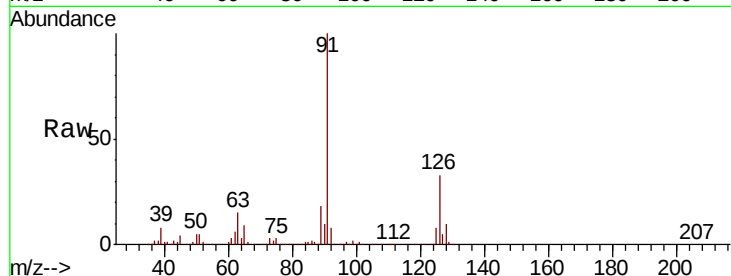
ClientSampled :

Tot Ion: 91 Resp: 1296771

Ion Ratio Lower Upper

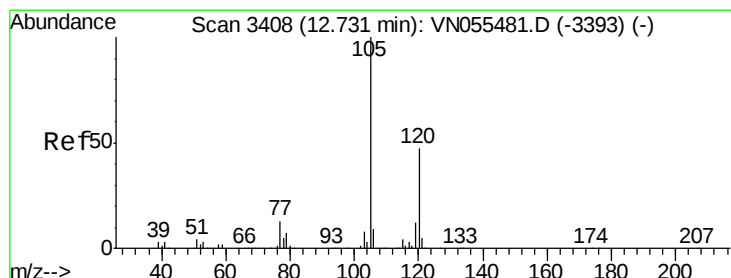
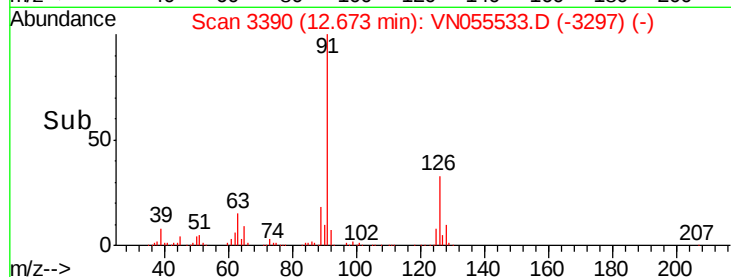
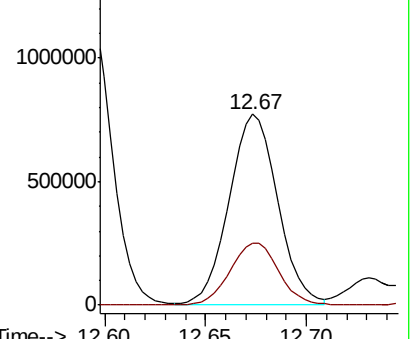
91 100

126 32.9 16.0 47.9



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

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



#80

1,3,5-Trimethylbenzene

Concen: 45.519 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055533.D

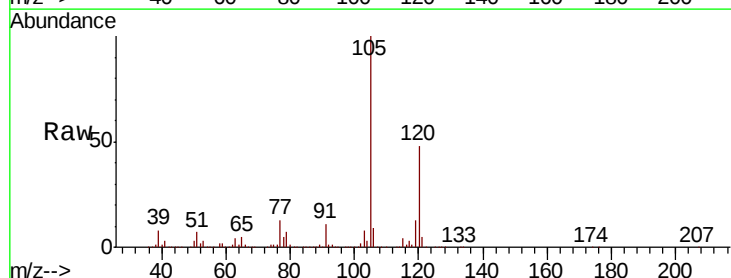
Acq: 10 May 2019 7:04

Tgt Ion:105 Resp: 1584933

Ion Ratio Lower Upper

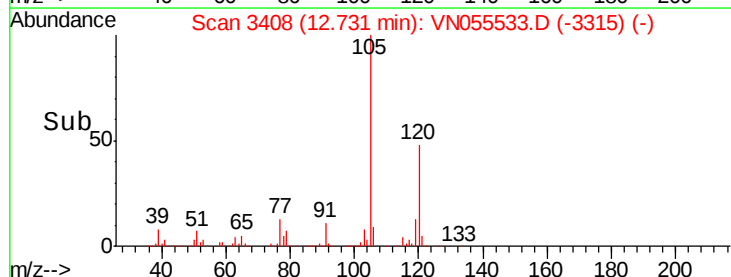
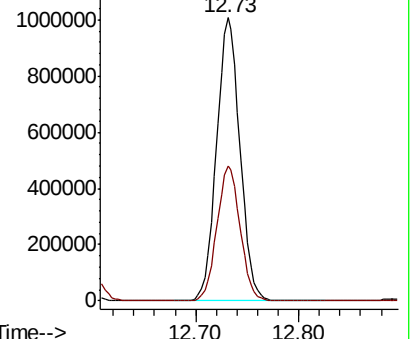
105 100

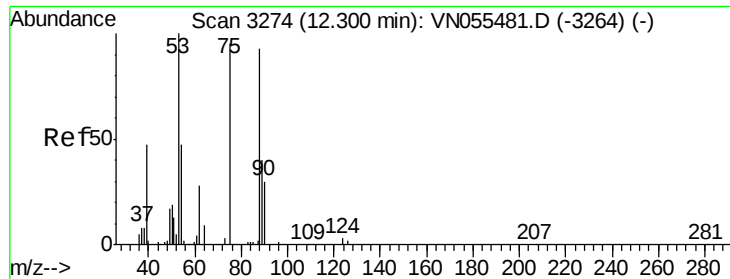
120 47.7 23.4 70.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 41.080 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

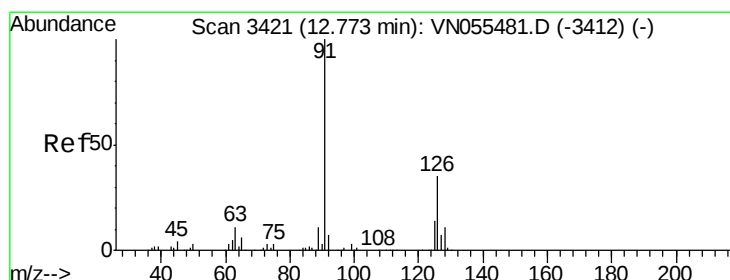
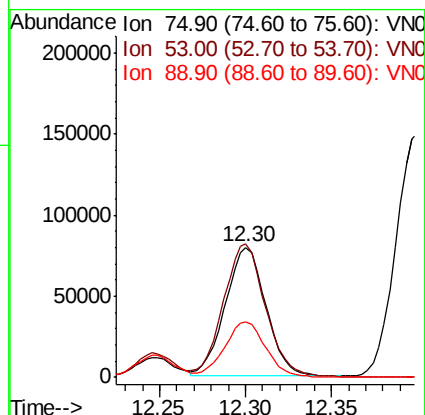
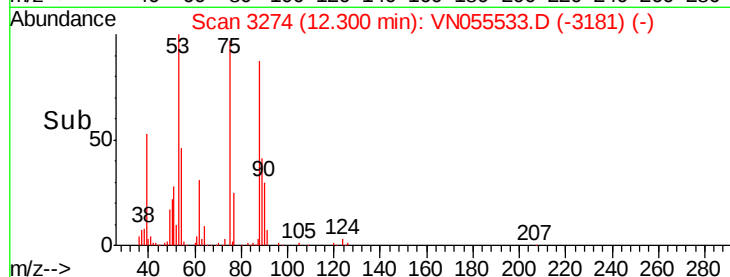
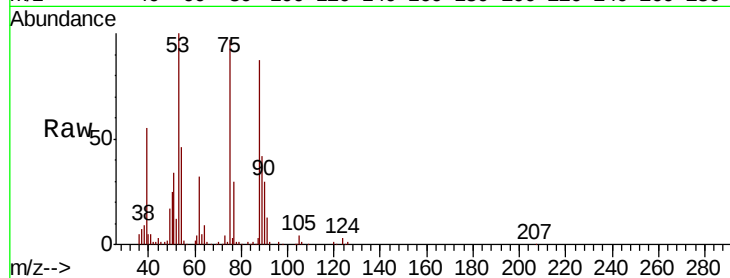
Tot Ion: 75 Resp: 131956

Ion	Ratio	Lower	Upper
75	100		
53	106.7	86.5	129.7
89	43.8	35.7	53.5

75 100

53 106.7 86.5 129.7

89 43.8 35.7 53.5



#82

4-Chlorotoluene

Concen: 46.240 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055533.D

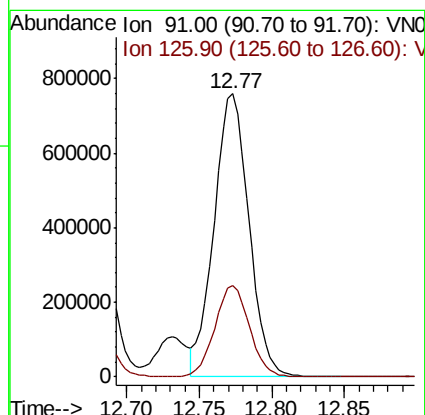
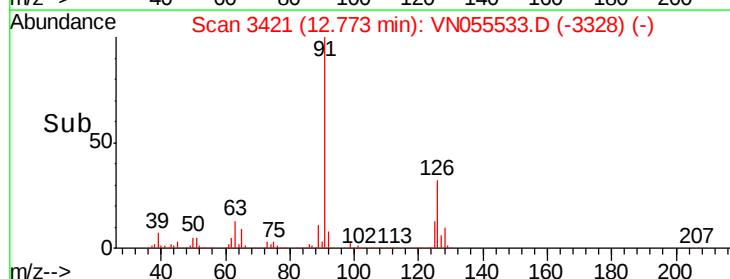
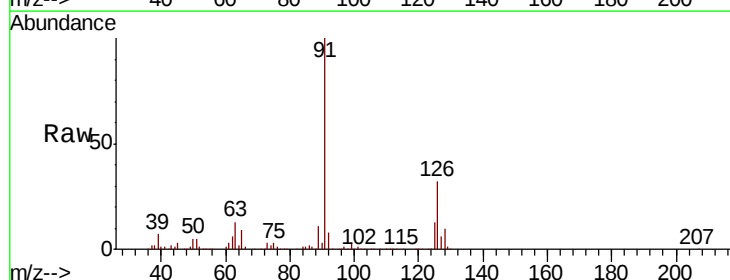
Acq: 10 May 2019 7:04

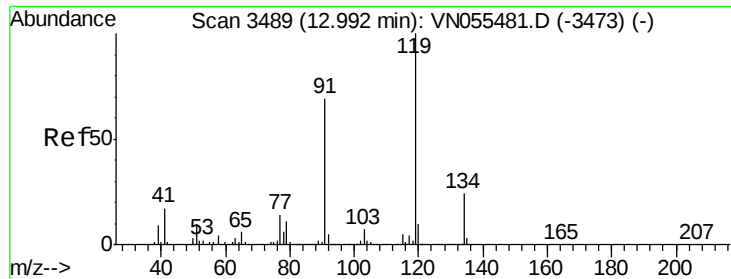
Tgt Ion: 91 Resp: 1271547

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0

91 100

126 32.1 15.7 47.0

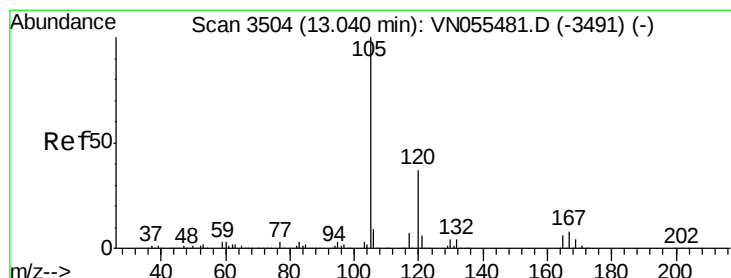
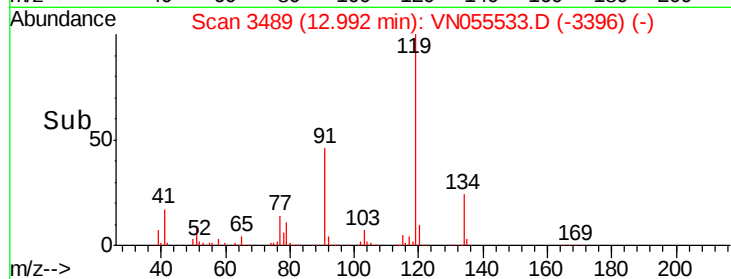
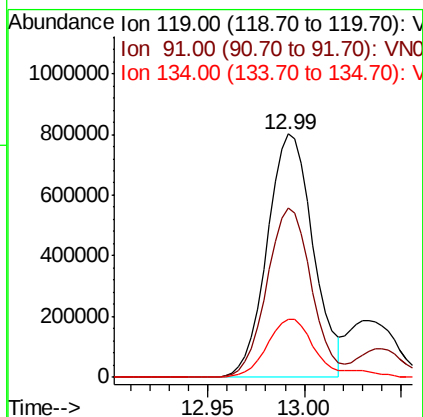
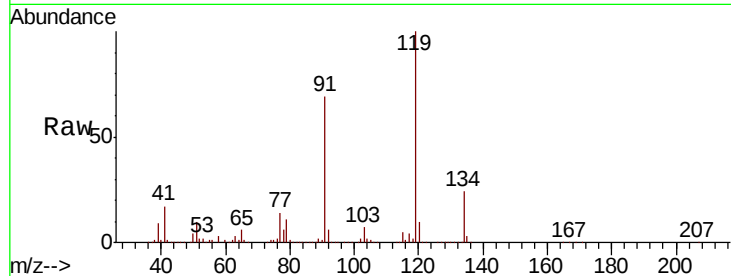




#83
tert-Butylbenzene
Concen: 44.295 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

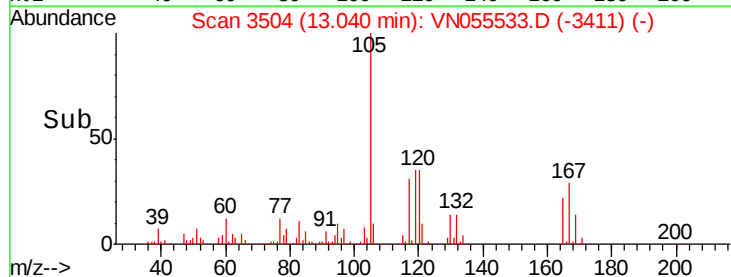
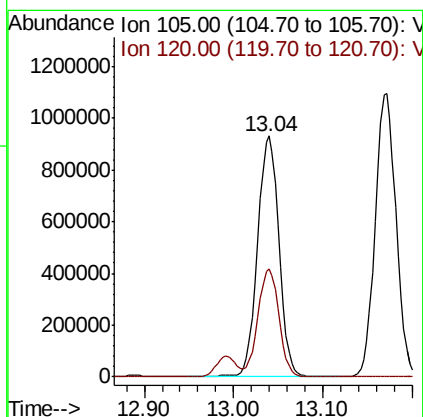
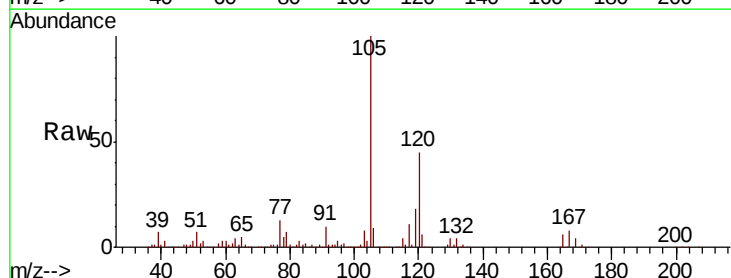
Instrument :
MSVOA_N
ClientSampleId :

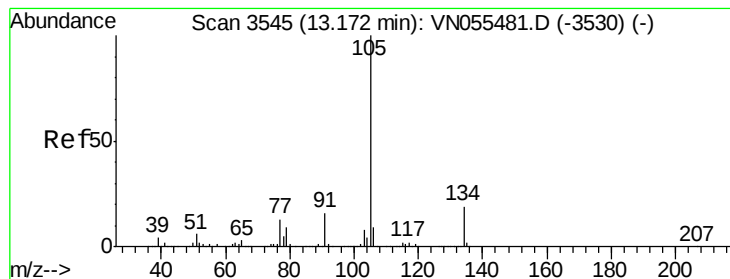
Tot Ion:119 Resp: 1321995
Ion Ratio Lower Upper
119 100
91 67.5 33.8 101.3
134 24.3 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 48.683 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion:105 Resp: 1554647
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 44.421 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

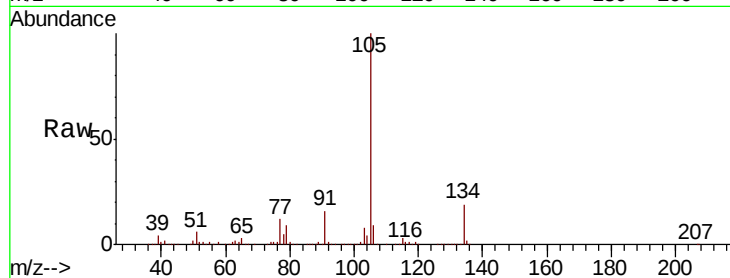
ClientSampleId :

Tot Ion:105 Resp: 1761973

Ion Ratio Lower Upper

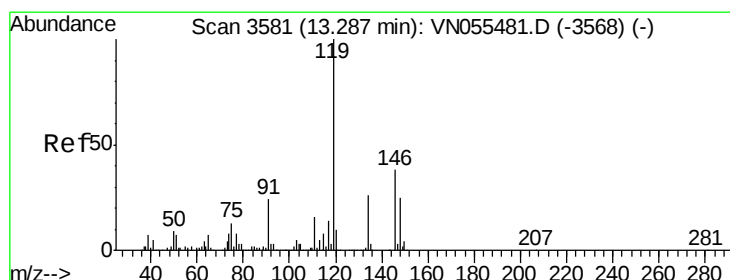
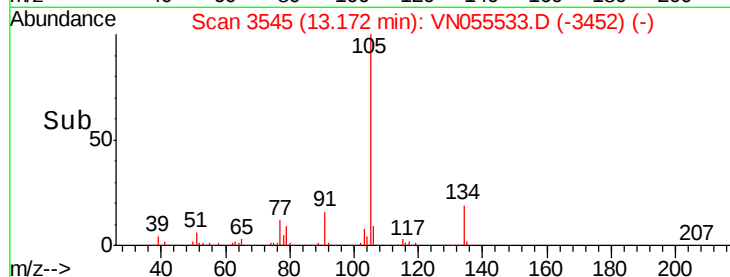
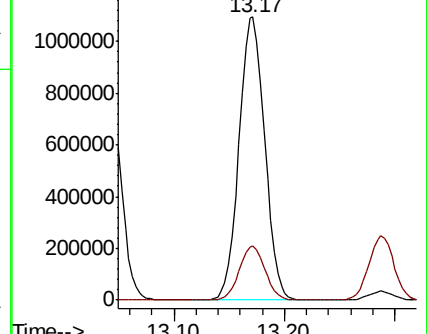
105 100

134 19.1 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: 46.089 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

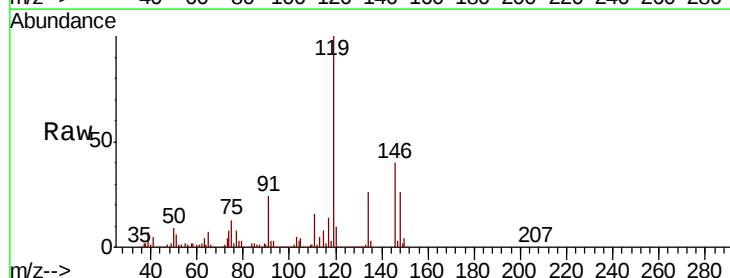
Tgt Ion:119 Resp: 1487796

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

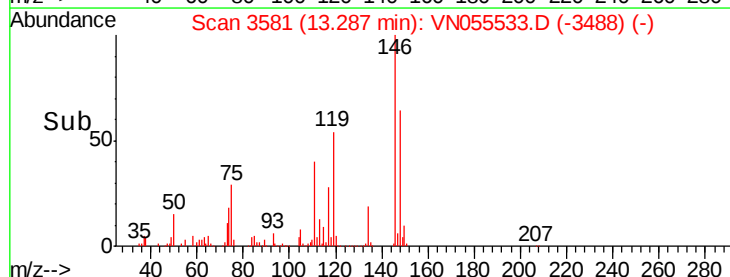
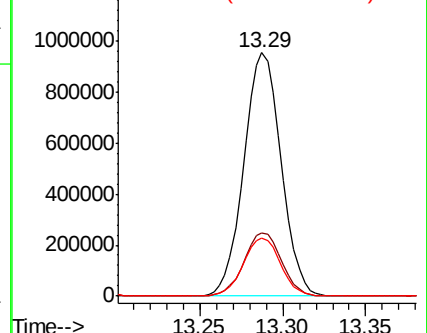
91 23.8 12.0 36.0

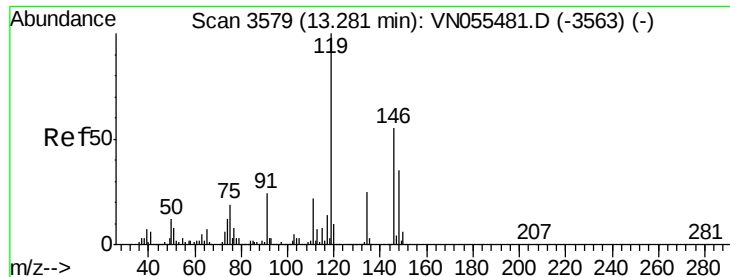


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.301 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055533.D

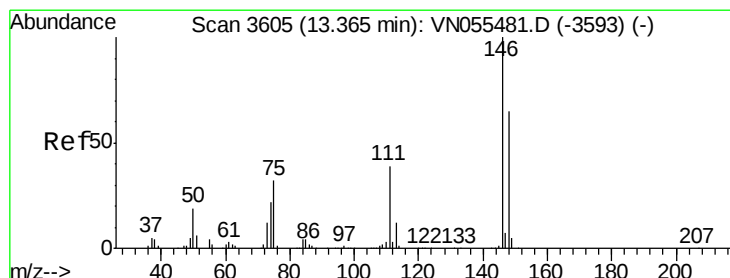
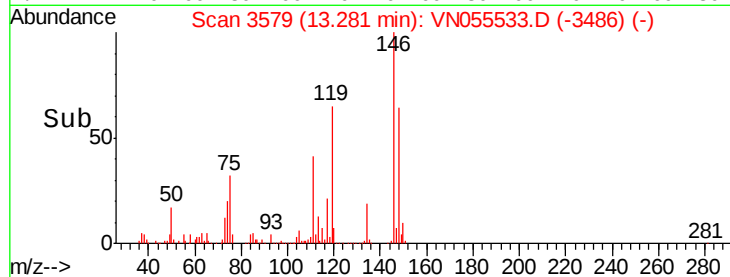
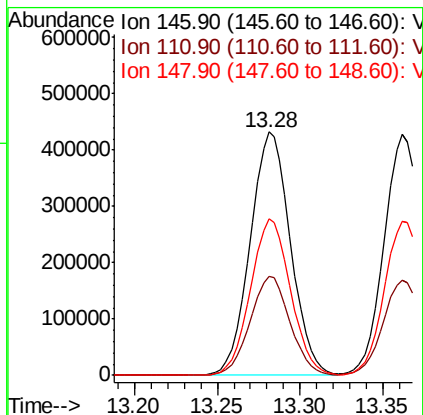
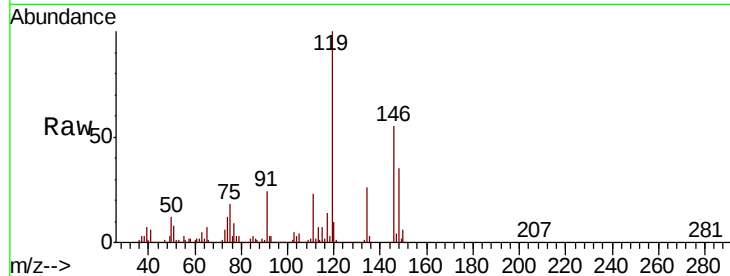
Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	730950
Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 48.023 ug/l

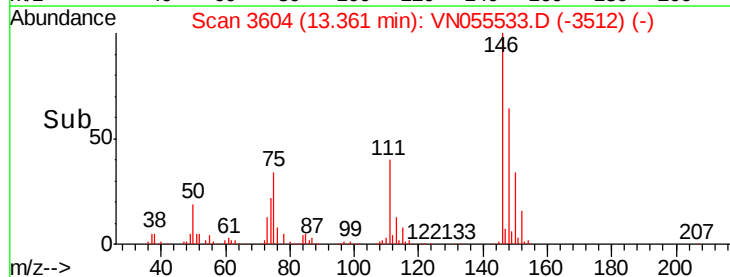
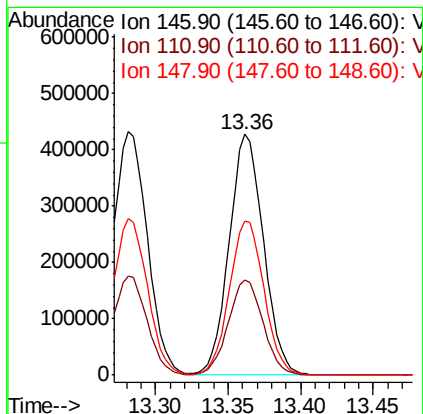
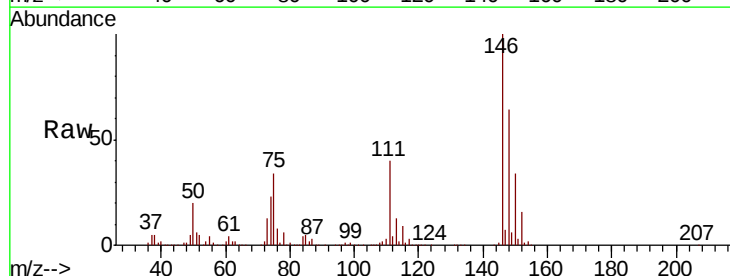
RT: 13.36 min Scan# 3604

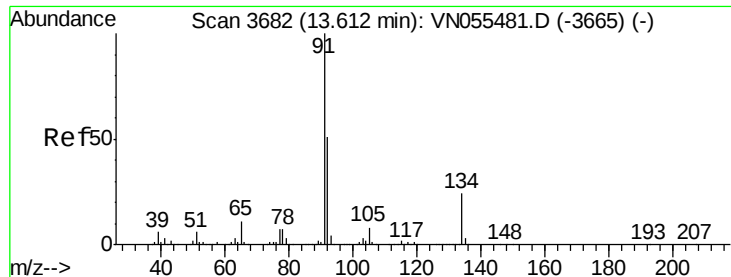
Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Tgt Ion:	146	Resp:	702655
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.5	32.5	97.4

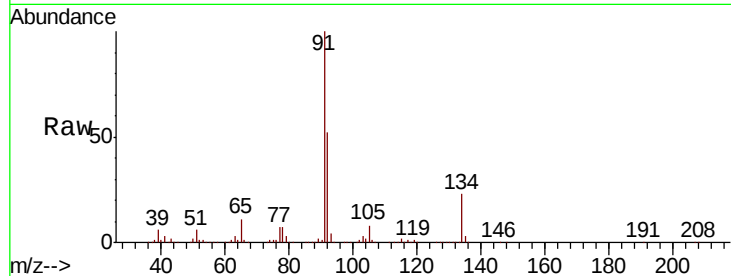




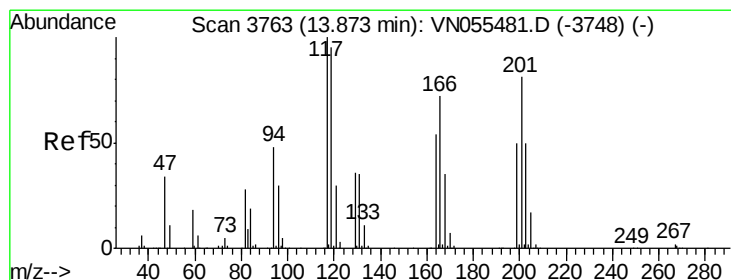
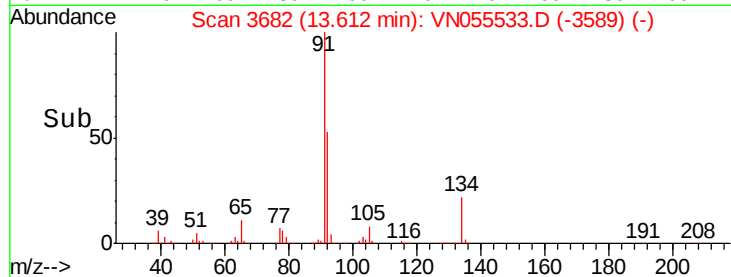
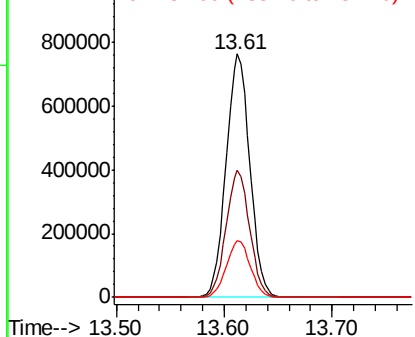
#89
n-Butylbenzene
Concen: 46.673 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 1167836
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 23.7 11.8 35.4

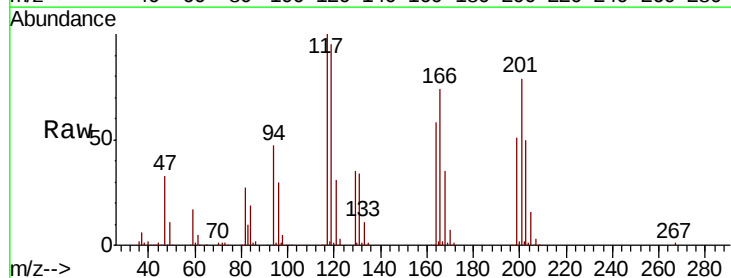


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

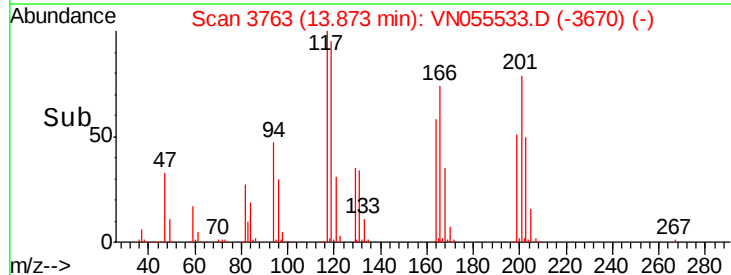
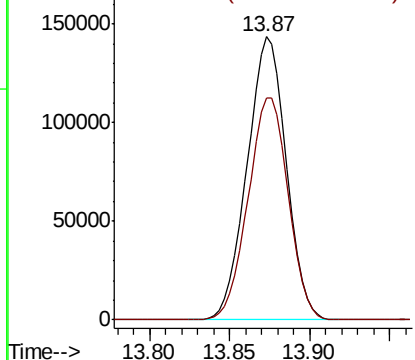


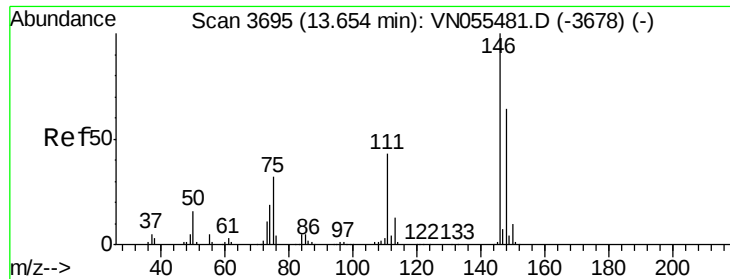
#90
Hexachloroethane
Concen: 45.665 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055533.D
Acq: 10 May 2019 7:04

Tgt Ion: 117 Resp: 240463
Ion Ratio Lower Upper
117 100
201 80.8 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.734 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampleId :

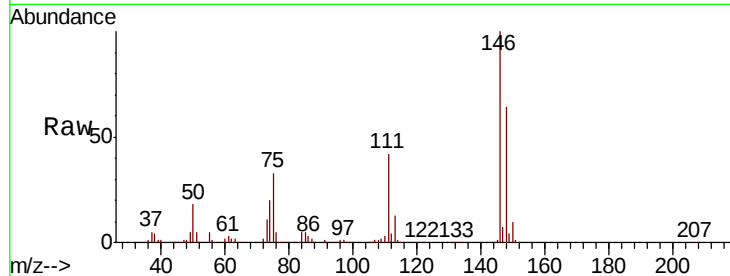
Tot Ion:146 Resp: 722129

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

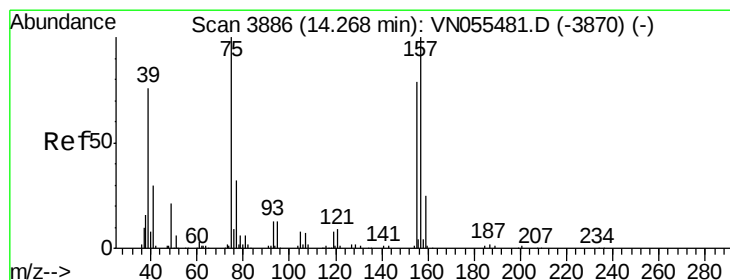
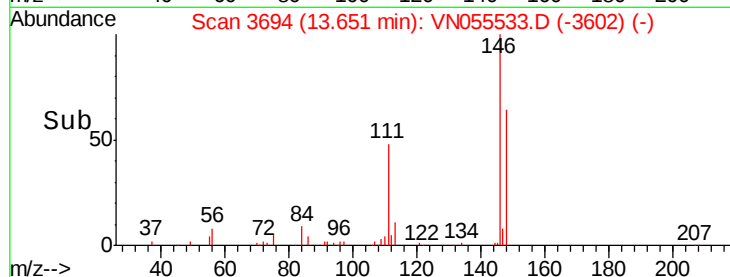
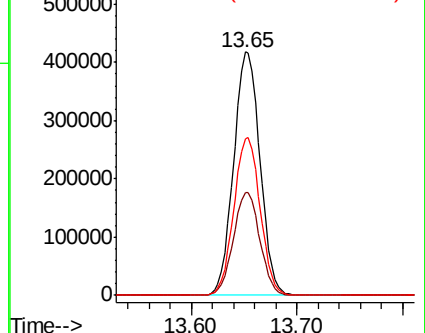
148 64.6 31.9 95.9



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: 45.431 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

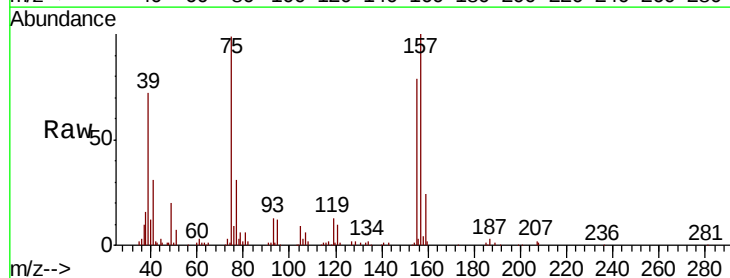
Tgt Ion: 75 Resp: 90956

Ion Ratio Lower Upper

75 100

155 79.6 39.3 117.8

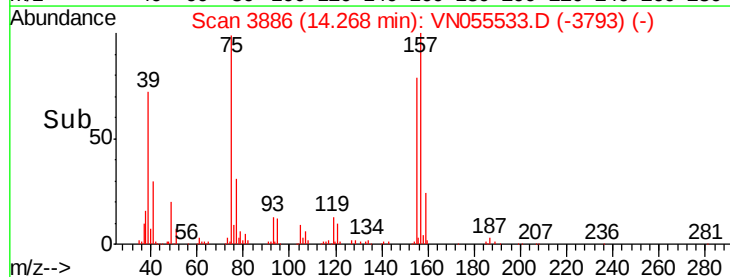
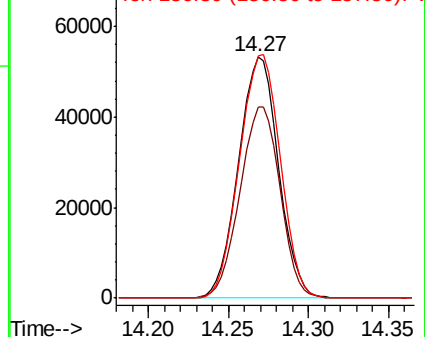
157 103.2 50.6 151.8

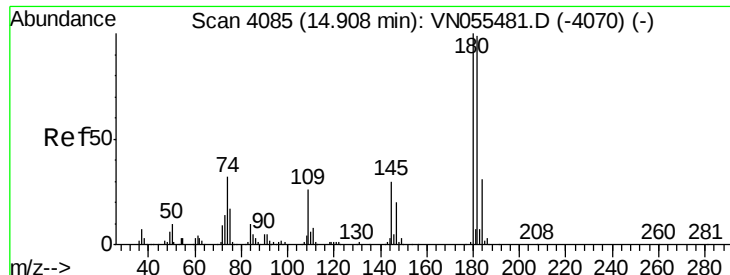


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

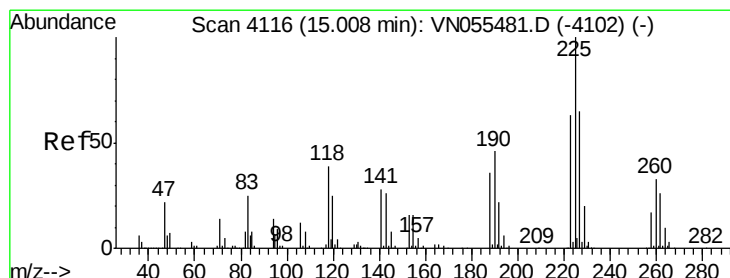
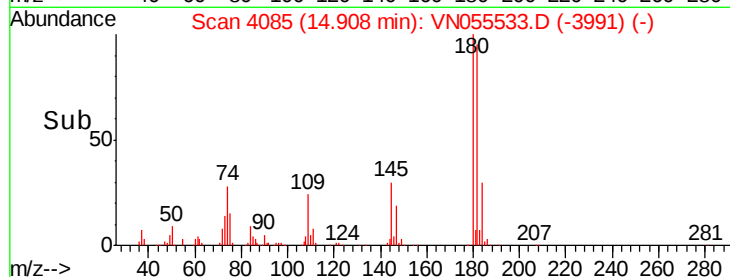
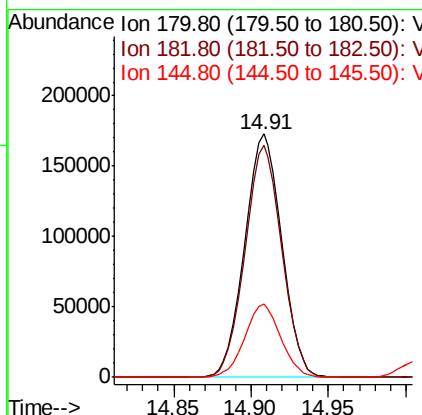
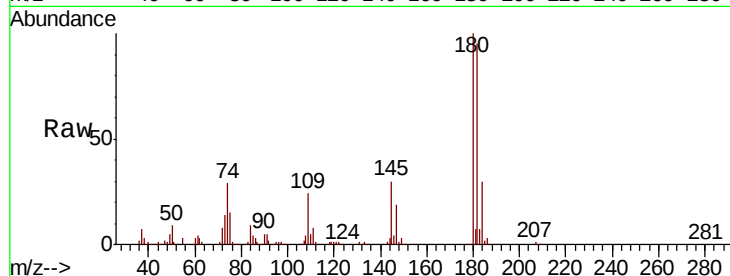




#93
 1,2,4-Trichlorobenzene
 Concen: 45.042 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

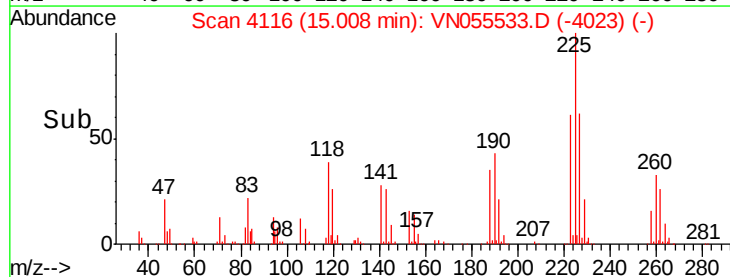
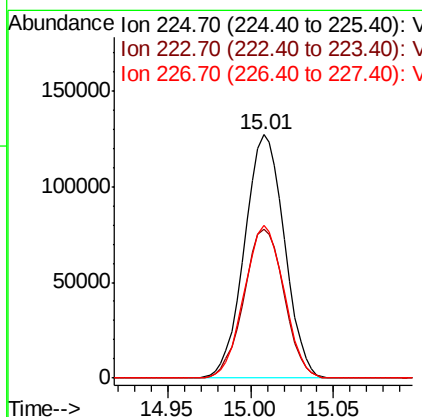
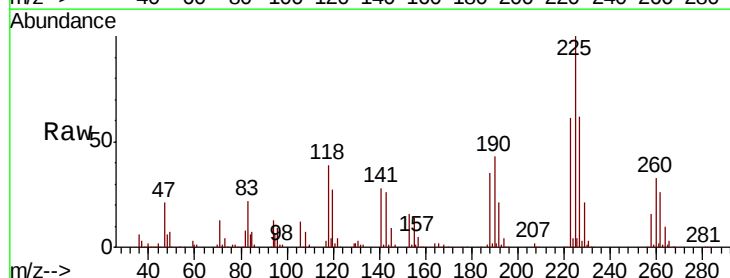
Instrument :
 MSVOA_N
 ClientSampled :

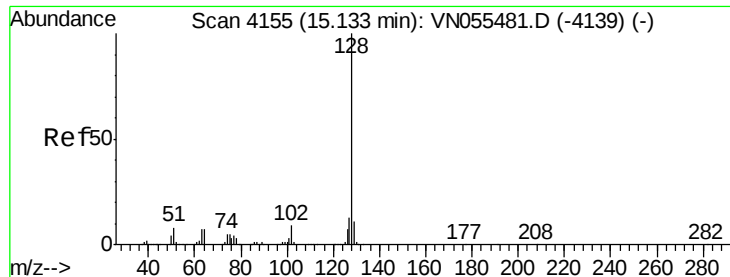
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.7	146.1
145	29.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 48.521 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055533.D
 Acq: 10 May 2019 7:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.4	94.3
227	62.6	32.0	96.0





#95

Naphthalene

Concen: 44.729 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

Instrument :

MSVOA_N

ClientSampled :

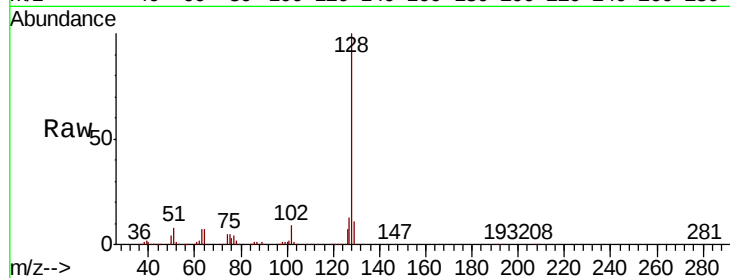
Tot Ion:128 Resp: 805986

Ion Ratio Lower Upper

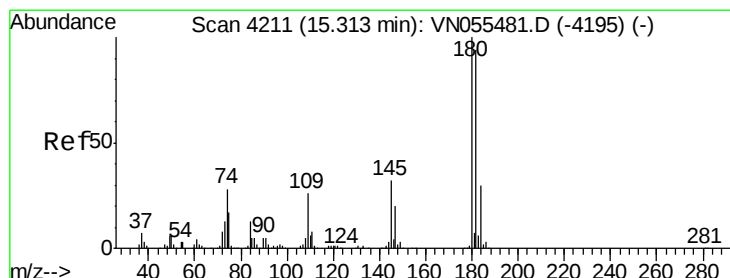
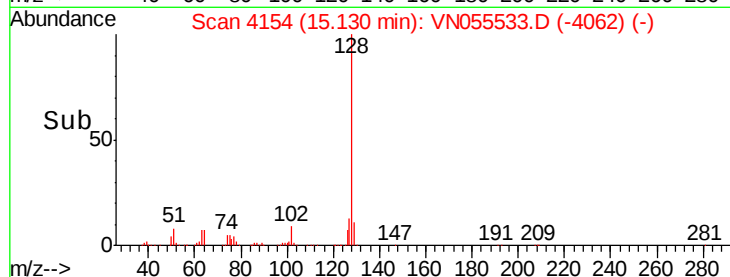
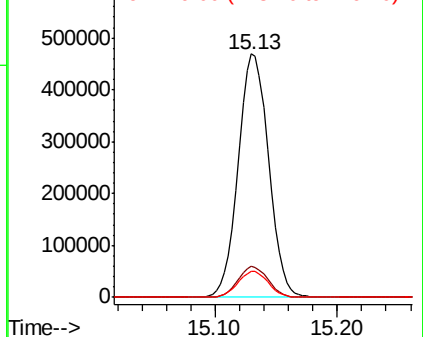
128 100

127 12.5 10.0 15.0

129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.040 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055533.D

Acq: 10 May 2019 7:04

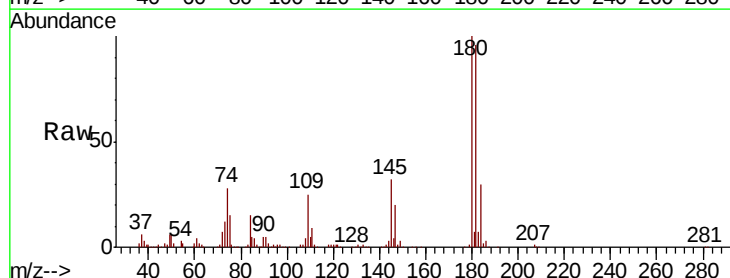
Tgt Ion:180 Resp: 320248

Ion Ratio Lower Upper

180 100

182 95.8 47.1 141.3

145 31.8 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

