

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058695.D
 Acq On : 11 Oct 2019 11:52
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 23:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	29505	4.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.64%	
35) Dibromofluoromethane	7.57	113	19978	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
50) Toluene-d8	10.09	98	81626	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	29321	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25800	5.442	ug/l	99
3) Chloromethane	2.04	50	31046	5.877	ug/l	99
4) Vinyl Chloride	2.17	62	31070	5.984	ug/l	94
5) Bromomethane	2.54	94	20039	7.025	ug/l	99
6) Chloroethane	2.68	64	19808	6.352	ug/l	99
7) Trichlorofluoromethane	3.00	101	38430	6.202	ug/l	100
8) Diethyl Ether	3.39	74	14003	5.368	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22463	5.502	ug/l	98
10) Methyl Iodide	3.93	142	27390	5.768	ug/l	98
11) Tert butyl alcohol	4.76	59	24827	33.861	ug/l	99
12) 1,1-Dichloroethene	3.72	96	20605	5.177	ug/l	91
13) Acrolein	3.59	56	19204	58.325	ug/l	97
14) Allyl chloride	4.30	41	39360	5.344	ug/l	96
15) Acrylonitrile	4.97	53	60527	29.247	ug/l	98
16) Acetone	3.80	43	58185	26.943	ug/l	99
17) Carbon Disulfide	4.03	76	65251	6.048	ug/l	99
18) Methyl Acetate	4.30	43	31810	5.814	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	71189	5.034	ug/l	99
20) Methylene Chloride	4.53	84	25889	5.304	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	23011	5.180	ug/l	97
22) Diisopropyl ether	5.92	45	79860	5.090	ug/l	# 87
23) Vinyl Acetate	5.87	43	321638	26.960	ug/l	99
24) 1,1-Dichloroethane	5.82	63	47452	5.384	ug/l	99
25) 2-Butanone	6.82	43	87058	29.119	ug/l	96
26) 2,2-Dichloropropane	6.80	77	41780	5.710	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	27002	5.226	ug/l	99
28) Bromochloromethane	7.18	49	15857	4.621	ug/l	98
29) Tetrahydrofuran	7.19	42	56481	29.622	ug/l	99
30) Chloroform	7.36	83	47060	5.292	ug/l	93
31) Cyclohexane	7.64	56	48091	5.625	ug/l	# 82
32) 1,1,1-Trichloroethane	7.55	97	39819	5.411	ug/l	98
36) 1,1-Dichloropropene	7.78	75	34902	5.276	ug/l	97
37) Ethyl Acetate	6.91	43	35137	6.051	ug/l	99
38) Carbon Tetrachloride	7.75	117	33983	5.616	ug/l	98

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 23:31:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	39184	5.058	ug/l	99
40) Benzene	8.02	78	101935	5.364	ug/l	98
41) Methacrylonitrile	7.19	41	54187	19.903	ug/l #	6
42) 1,2-Dichloroethane	8.11	62	39881	5.396	ug/l	100
43) Isopropyl Acetate	8.15	43	57793	5.374	ug/l #	93
44) Trichloroethene	8.82	130	25155	5.368	ug/l	98
45) 1,2-Dichloropropane	9.11	63	26410	5.176	ug/l	99
46) Dibromomethane	9.20	93	17058	5.268	ug/l	97
47) Bromodichloromethane	9.39	83	33234	5.374	ug/l	98
48) Methyl methacrylate	9.19	41	24853	5.087	ug/l	96
49) 1,4-Dioxane	9.19	88	8161	122.786	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	171543	30.459	ug/l	97
52) Toluene	10.15	92	59768	4.987	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	36855	5.459	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	39977	5.367	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	25131	5.740	ug/l	97
56) Ethyl methacrylate	10.43	69	32254	4.821	ug/l	93
57) 1,3-Dichloropropane	10.70	76	42499	5.439	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	76739	27.718	ug/l	99
59) 2-Hexanone	10.75	43	125379	30.234	ug/l	98
60) Dibromochloromethane	10.90	129	24044	5.687	ug/l	99
61) 1,2-Dibromoethane	11.00	107	24273	5.404	ug/l	99
64) Tetrachloroethene	10.63	164	23498	5.928	ug/l	95
65) Chlorobenzene	11.43	112	63983	5.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22983	5.507	ug/l	96
67) Ethyl Benzene	11.51	91	112969	5.080	ug/l	99
68) m/p-Xylenes	11.62	106	81669	9.759	ug/l	100
69) o-Xylene	11.95	106	39362	4.900	ug/l	97
70) Styrene	11.97	104	60611	4.644	ug/l	97
71) Bromoform	12.13	173	15999	5.994	ug/l #	95
73) Isopropylbenzene	12.25	105	105663	5.112	ug/l	99
74) N-amyl acetate	12.07	43	43343	5.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	35487	5.701	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	46610	8.906	ug/l #	100
77) Bromobenzene	12.53	156	26176	5.383	ug/l	97
78) n-propylbenzene	12.59	91	123802	5.294	ug/l	99
79) 2-Chlorotoluene	12.68	91	75978	5.268	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	89357	5.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10556	5.884	ug/l	86
82) 4-Chlorotoluene	12.78	91	76920	5.214	ug/l	99
83) tert-Butylbenzene	13.00	119	75736	5.171	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	87342	5.023	ug/l	99
85) sec-Butylbenzene	13.18	105	99613	5.150	ug/l	100
86) p-Isopropyltoluene	13.29	119	87575	5.121	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	46140	5.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	46975	5.344	ug/l	95
89) n-Butylbenzene	13.62	91	80147	5.143	ug/l	97
90) Hexachloroethane	13.88	117	16253	6.185	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	45165	5.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	8041	7.095	ug/l	88

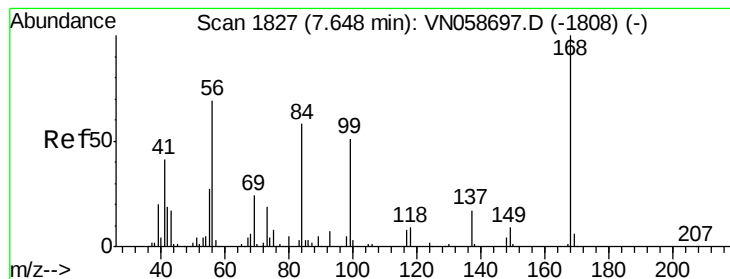
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 23:28:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	24203	5.095	ug/l	95
94) Hexachlorobutadiene	15.01	225	14731	5.954	ug/l	99
95) Naphthalene	15.13	128	69592	5.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	24847	5.718	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

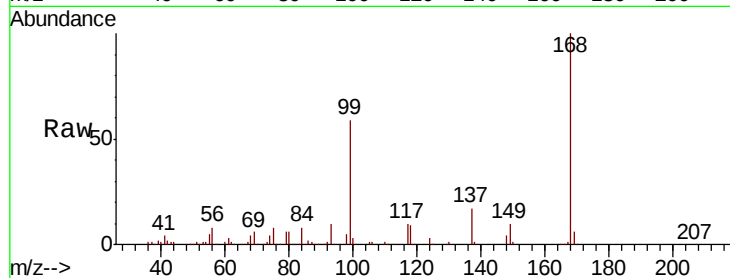
ClientSampled :

Tot Ion:168 Resp: 422966

Ion Ratio Lower Upper

168 100

99 59.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

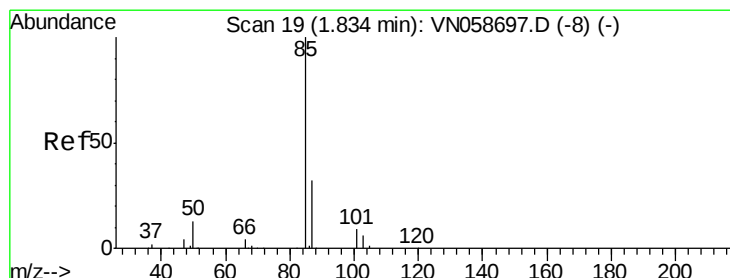
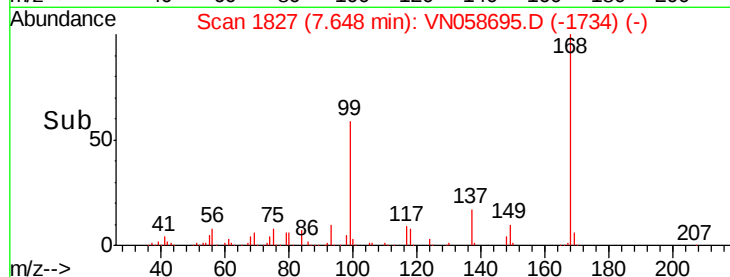
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.442 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058695.D

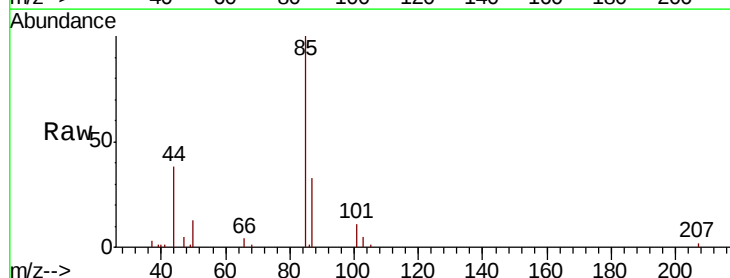
Acq: 11 Oct 2019 11:52

Tgt Ion: 85 Resp: 25800

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

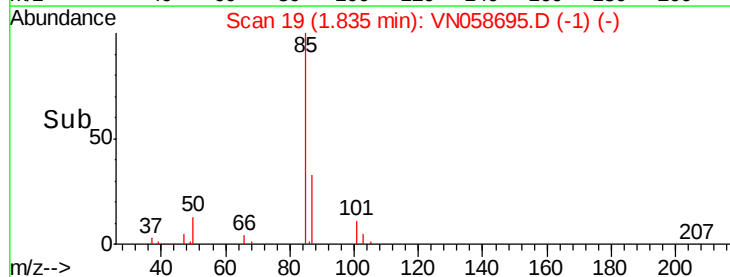
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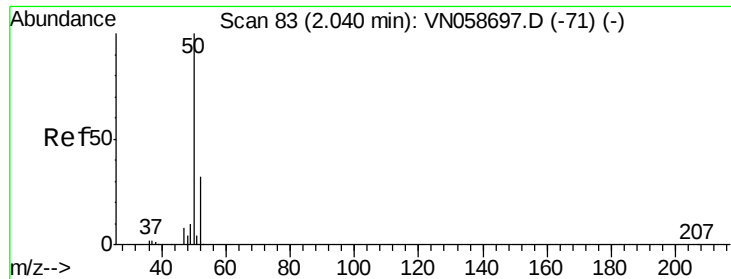
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.877 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

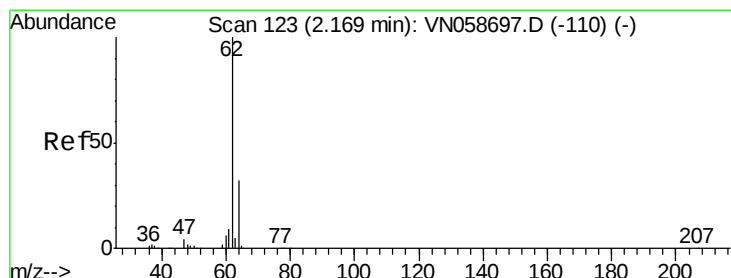
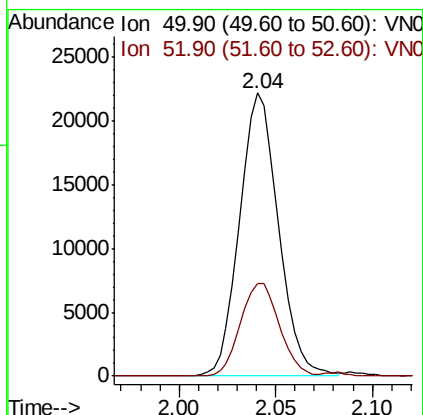
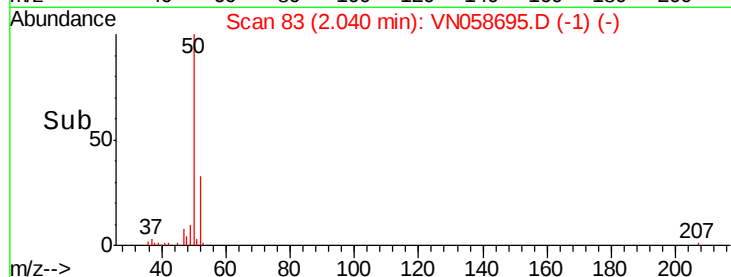
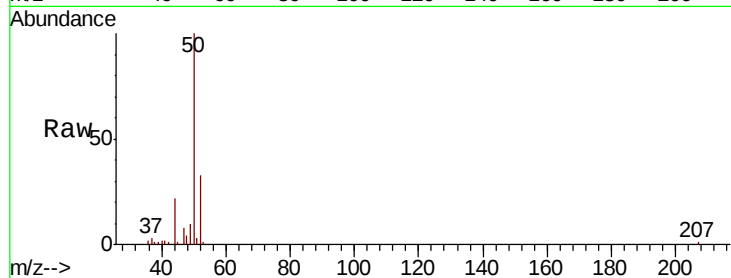
ClientSampleId :

Tot Ion: 50 Resp: 31046

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 5.984 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058695.D

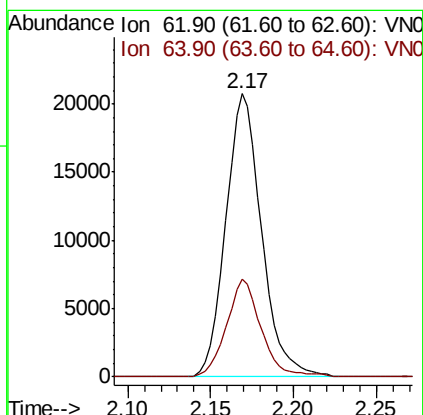
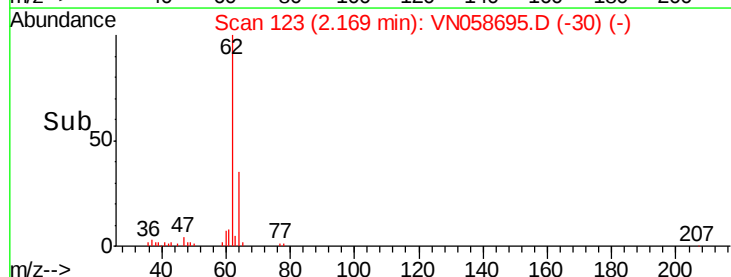
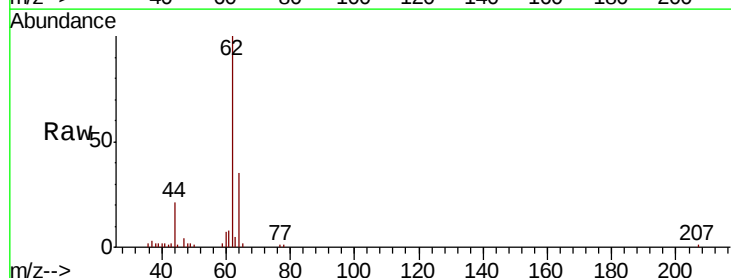
Acq: 11 Oct 2019 11:52

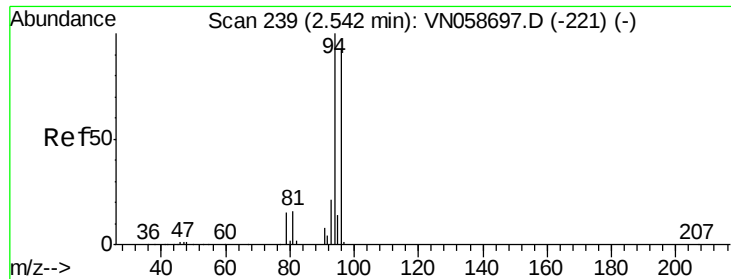
Tgt Ion: 62 Resp: 31070

Ion Ratio Lower Upper

62 100

64 34.7 25.3 37.9





#5

Bromomethane

Concen: 7.025 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

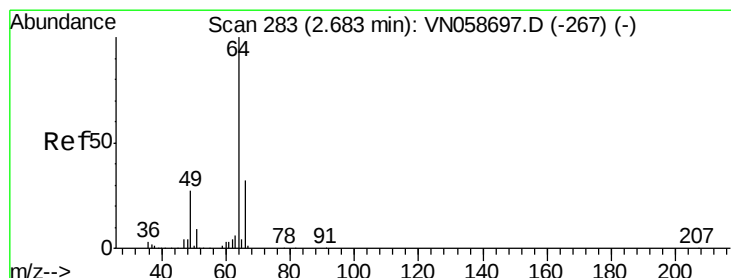
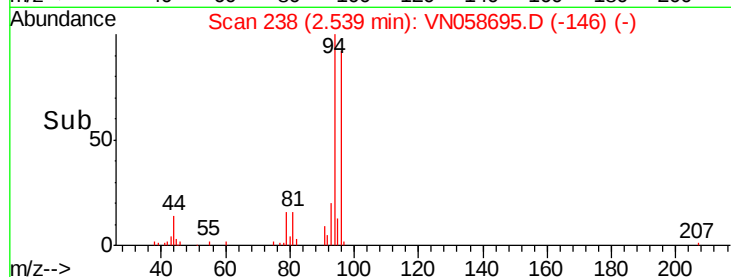
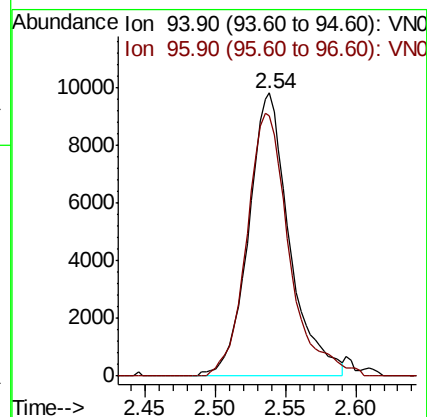
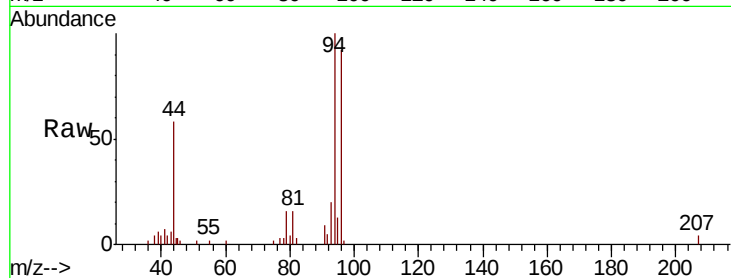
ClientSampled :

Tot Ion: 94 Resp: 20039

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7



#6

Chloroethane

Concen: 6.352 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058695.D

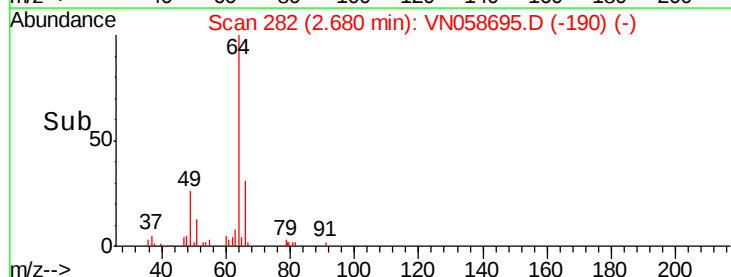
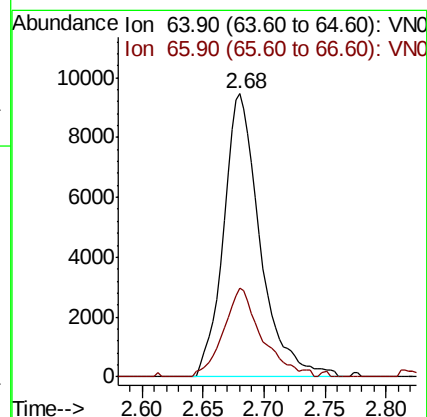
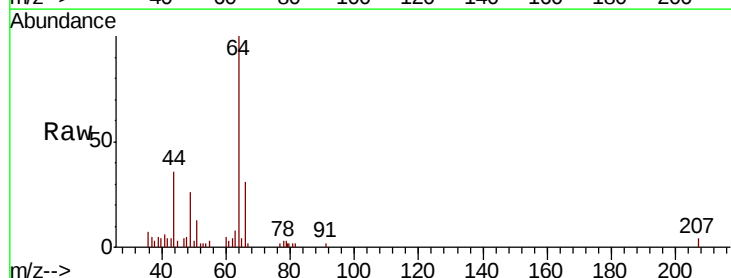
Acq: 11 Oct 2019 11:52

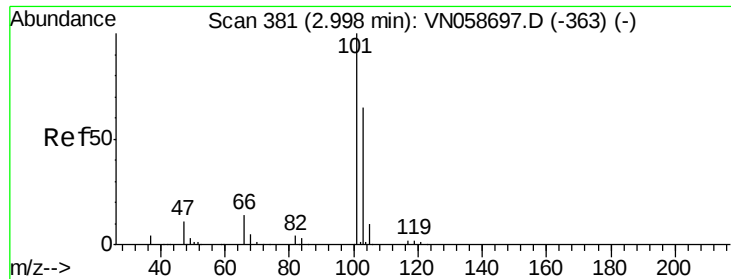
Tgt Ion: 64 Resp: 19808

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.2



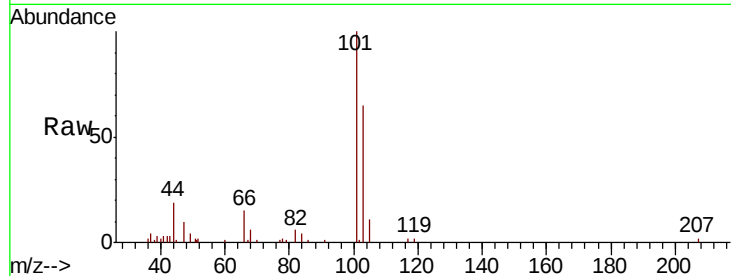


#7

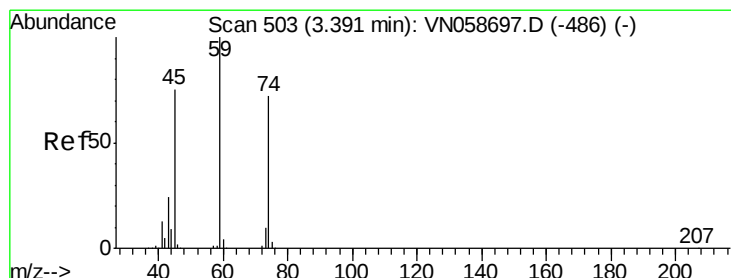
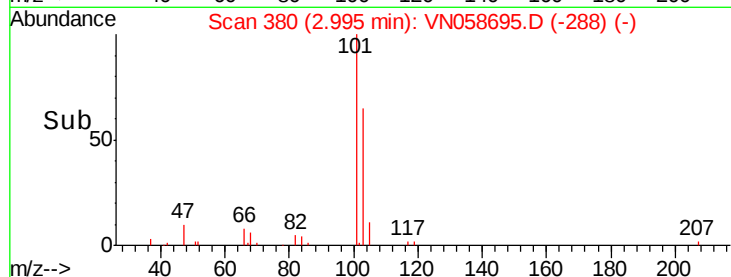
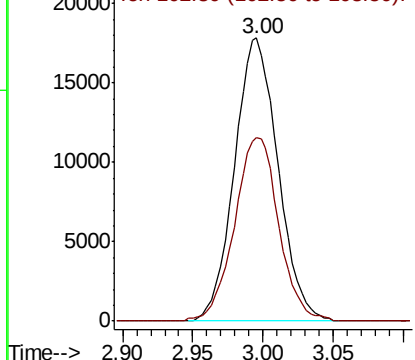
Trichlorofluoromethane
Concen: 6.202 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 38430
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6



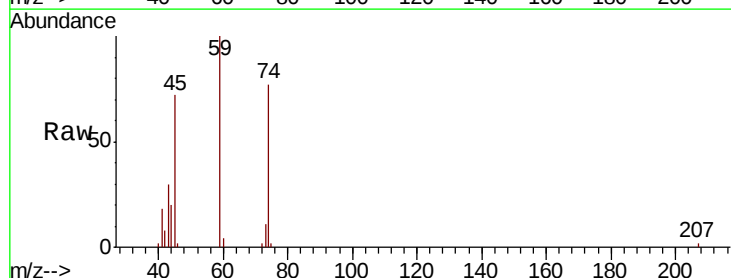
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



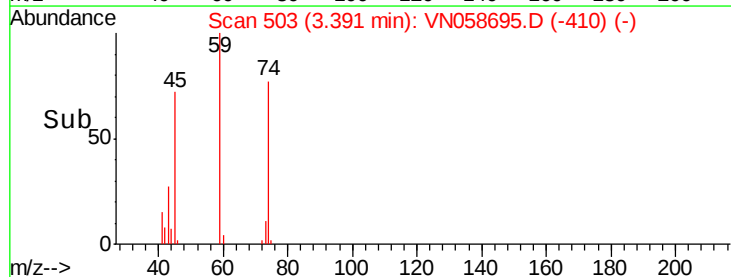
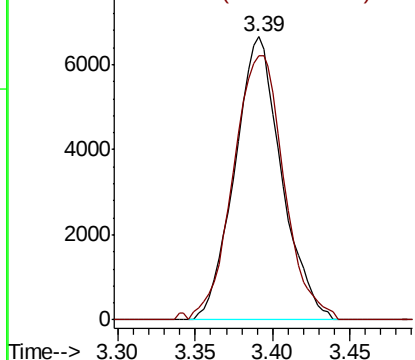
#8

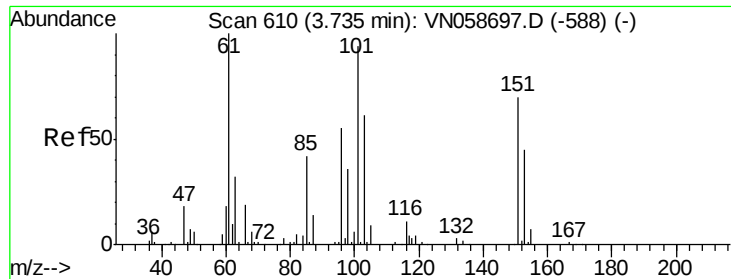
Diethyl Ether
Concen: 5.368 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 74 Resp: 14003
Ion Ratio Lower Upper
74 100
45 101.3 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.502 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampled :

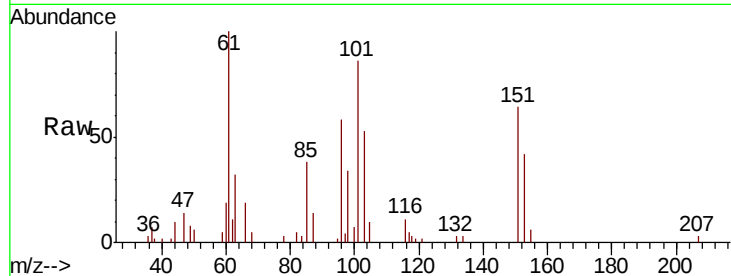
Tot Ion:101 Resp: 22463

Ion Ratio Lower Upper

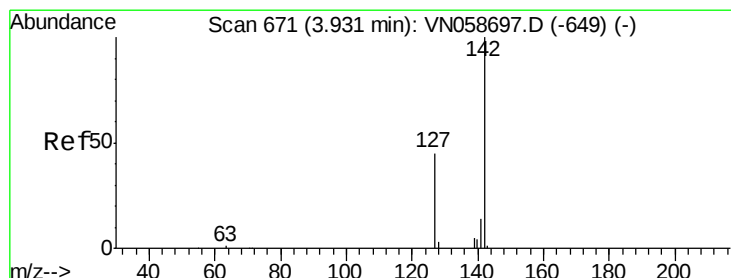
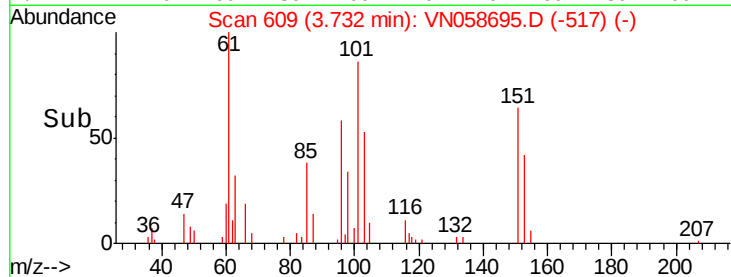
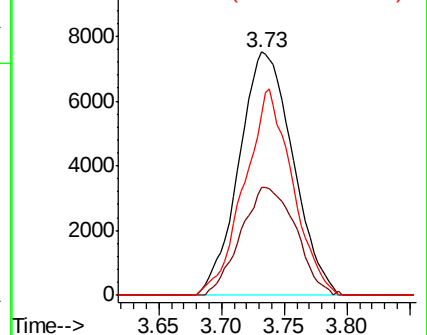
101 100

85 45.3 37.0 55.6

151 75.7 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.768 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

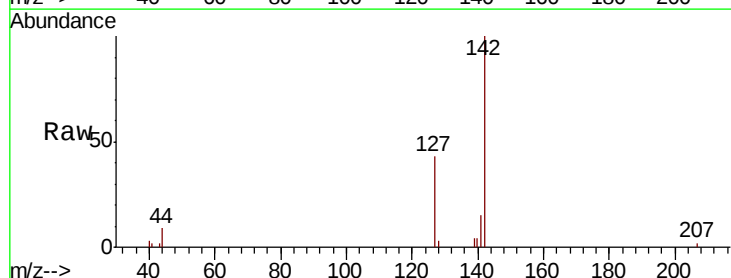
Tgt Ion:142 Resp: 27390

Ion Ratio Lower Upper

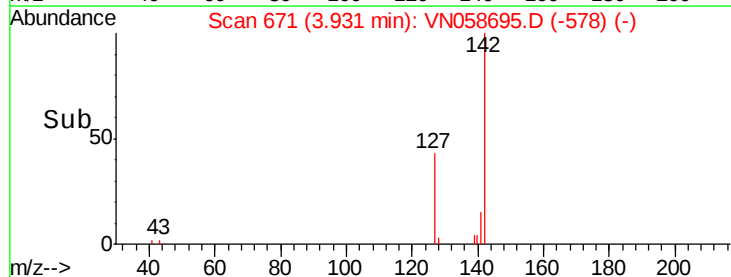
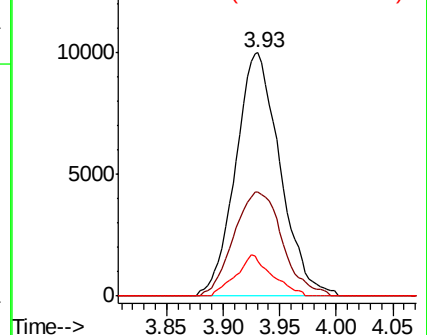
142 100

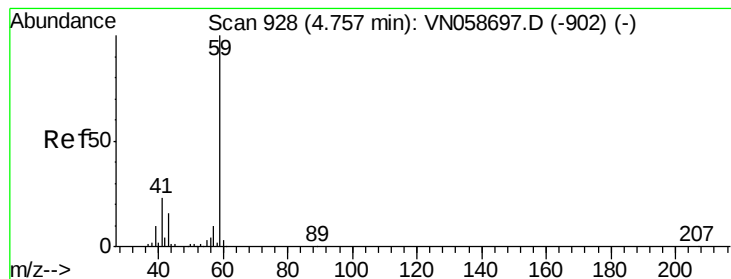
127 46.9 36.4 54.6

141 13.8 11.1 16.7



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



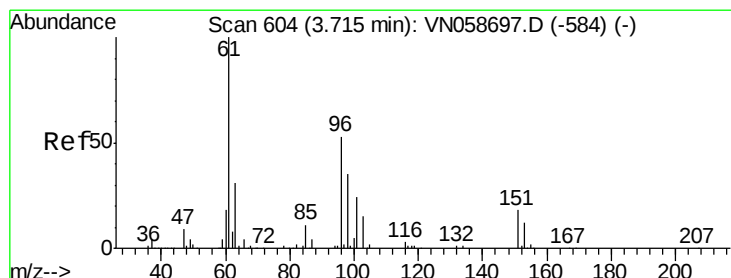
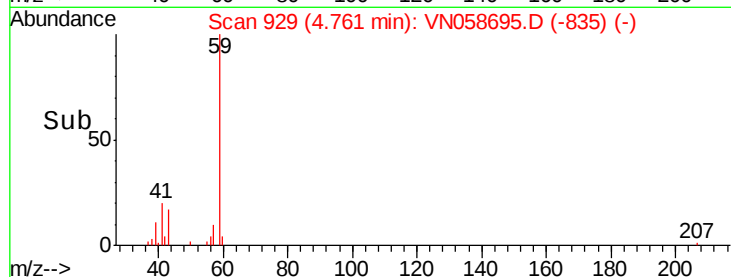
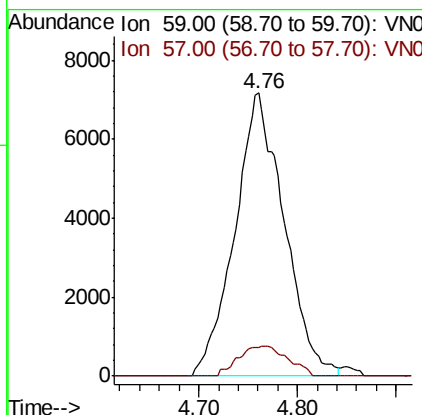
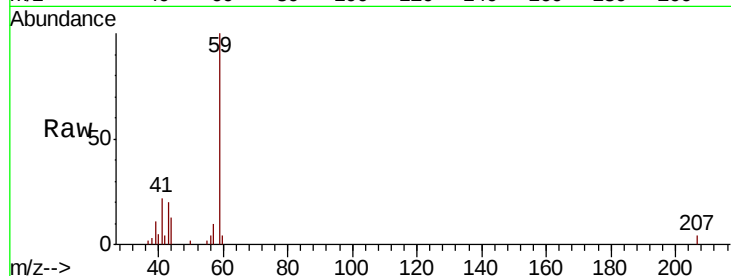


#11

Tert butyl alcohol
 Concen: 33.861 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :

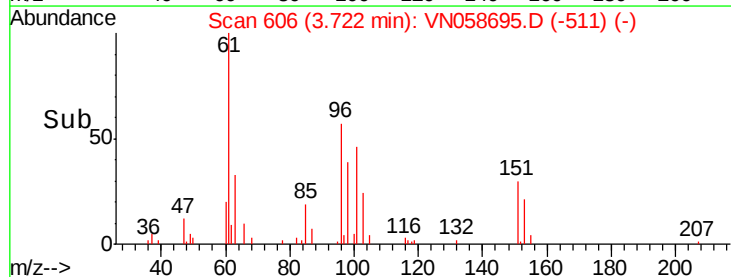
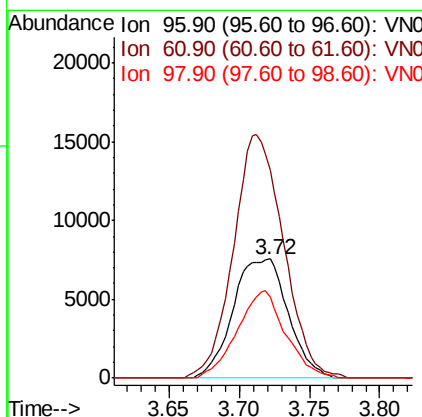
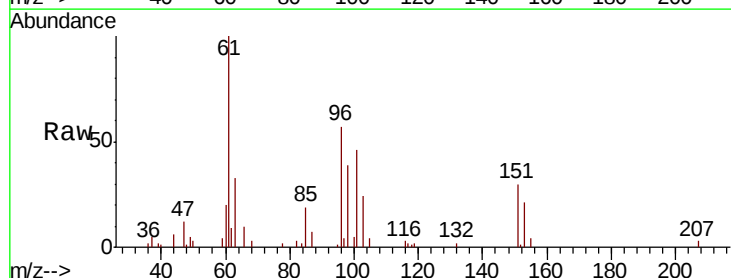
Tot Ion: 59 Resp: 24827
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

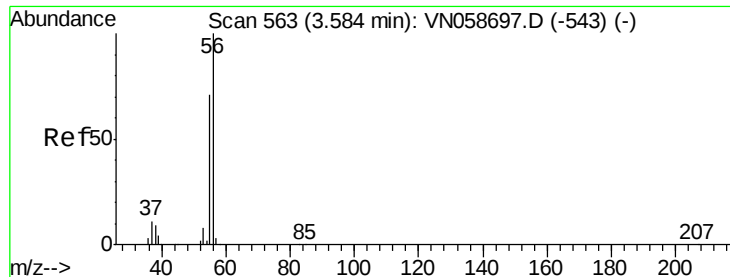


#12

1,1-Dichloroethene
 Concen: 5.177 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 96 Resp: 20605
 Ion Ratio Lower Upper
 96 100
 61 172.4 151.3 226.9
 98 68.2 52.6 78.8





#13

Acrolein

Concen: 58.325 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

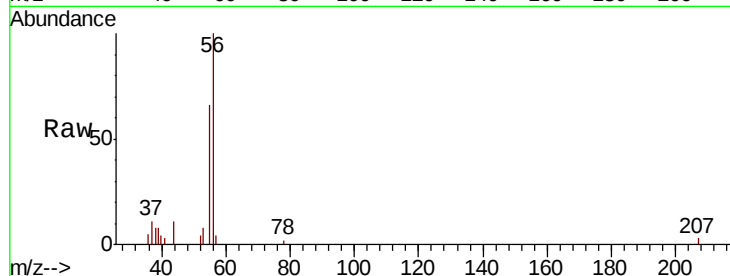
ClientSampleId :

Tot Ion: 56 Resp: 19204

Ion Ratio Lower Upper

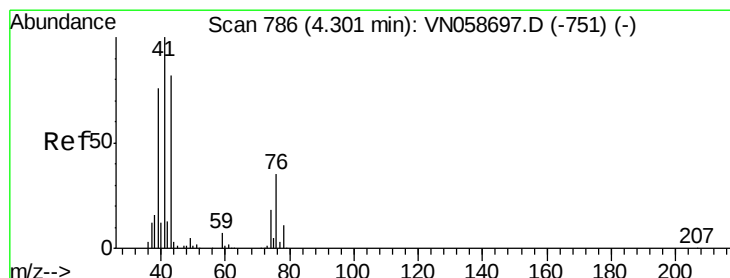
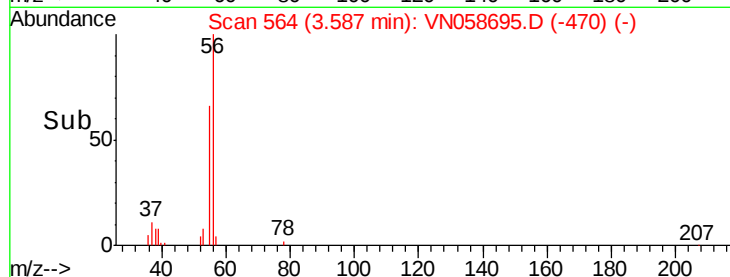
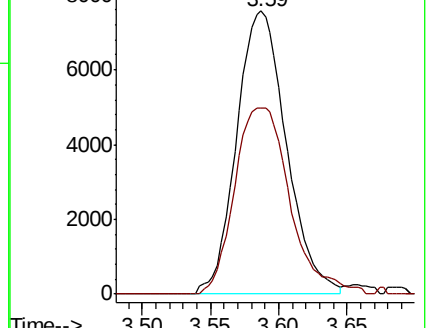
56 100

55 73.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058695.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN058695.D (-543) (-)



#14

Allyl chloride

Concen: 5.344 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

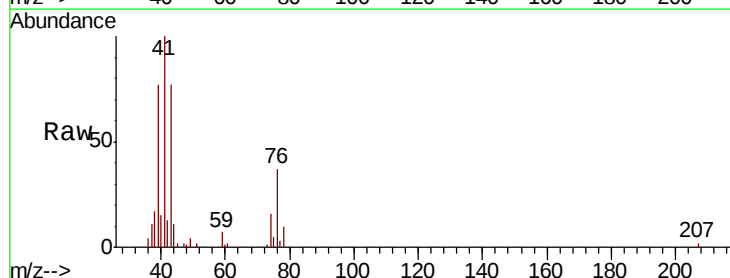
Tgt Ion: 41 Resp: 39360

Ion Ratio Lower Upper

41 100

39 74.9 57.2 85.8

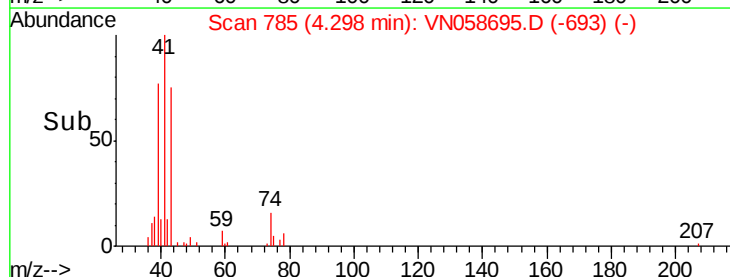
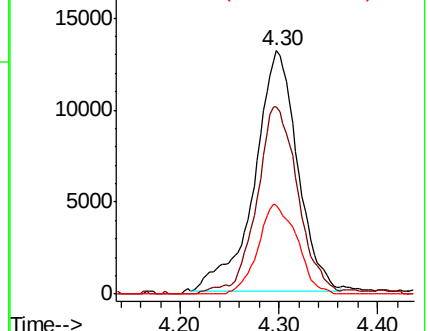
76 33.9 25.0 37.6

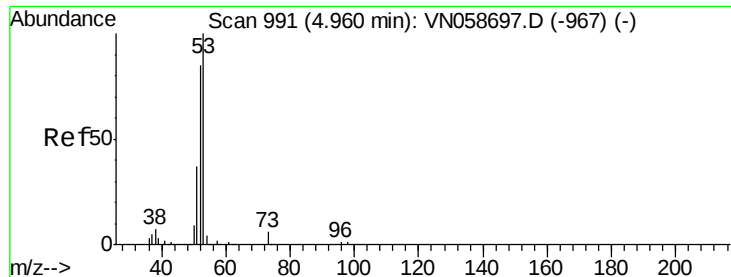


Abundance Ion 41.00 (40.70 to 41.70): VN058695.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058695.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058695.D (-693) (-)





#15

Acrylonitrile

Concen: 29.247 ug/l

RT: 4.97 min Scan# 993

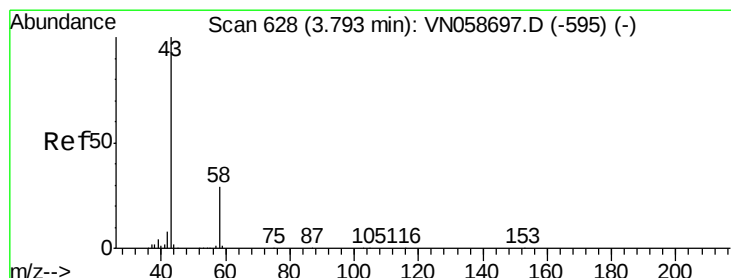
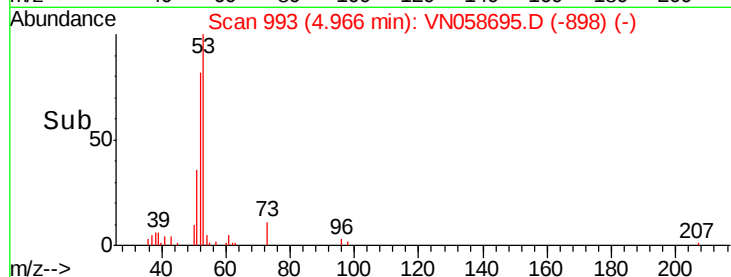
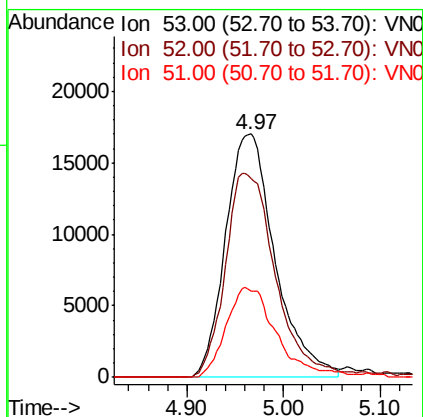
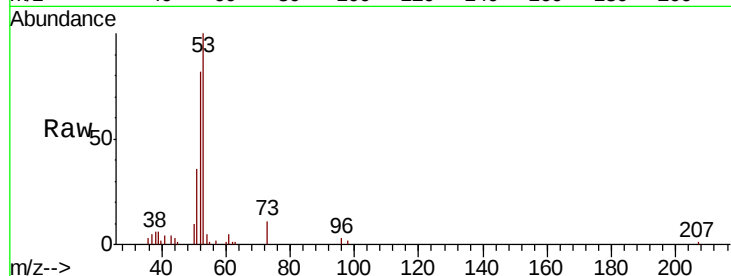
Delta R.T. 0.01 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	60527
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.2	99.2
51	37.5	29.4	44.2



#16

Acetone

Concen: 26.943 ug/l

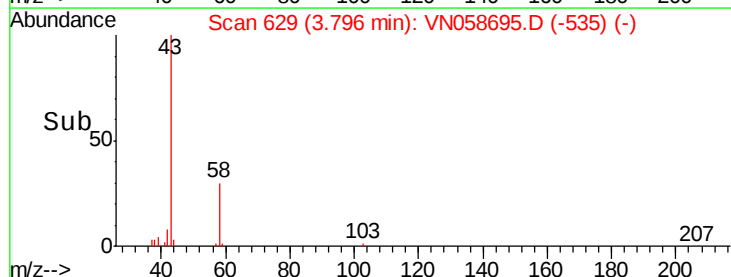
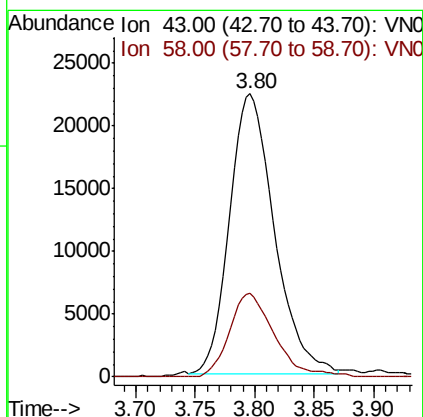
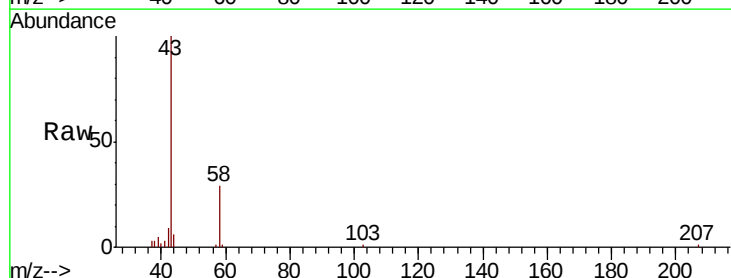
RT: 3.80 min Scan# 629

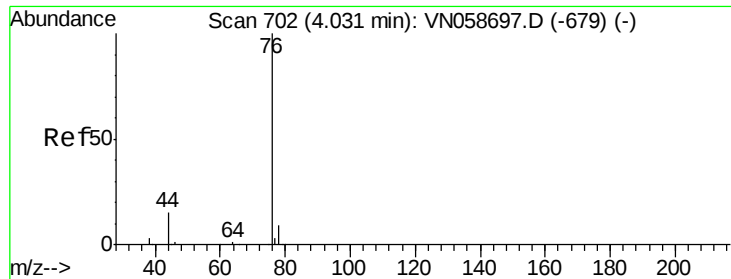
Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion:	43	Resp:	58185
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.3	34.9

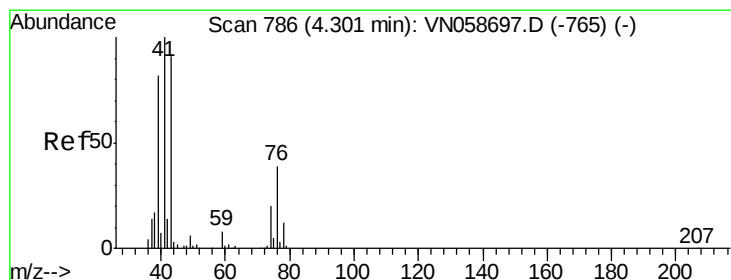
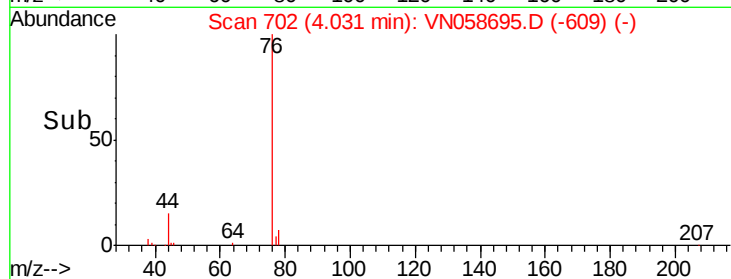
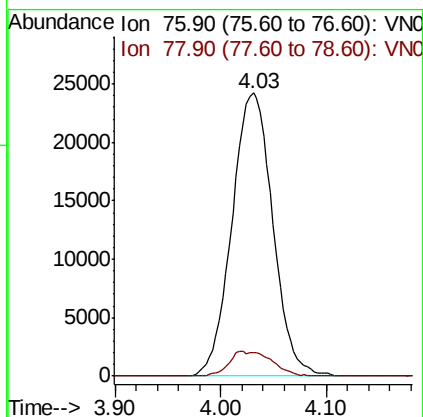
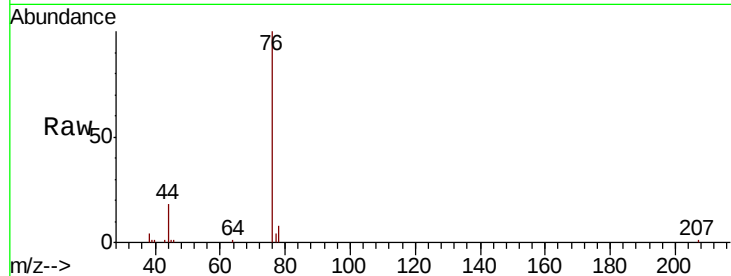




#17
Carbon Disulfide
Concen: 6.048 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

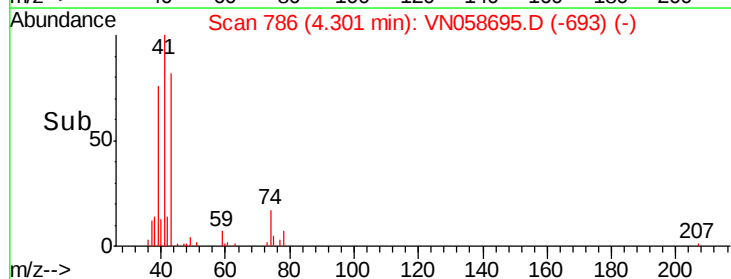
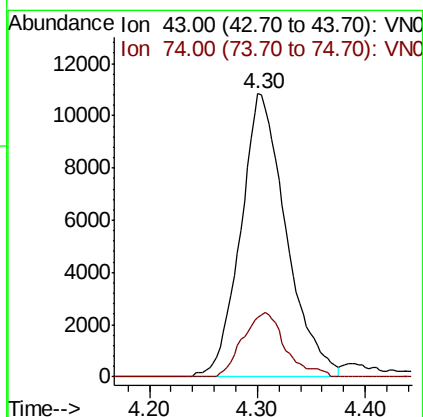
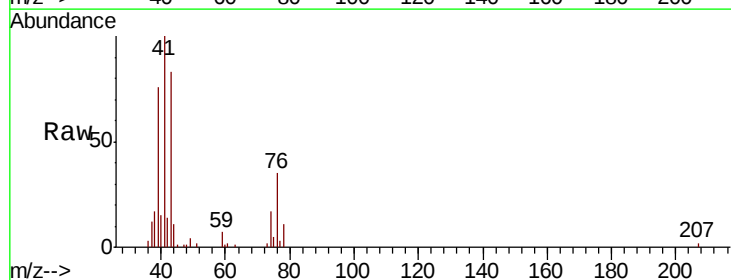
Instrument :
MSVOA_N
ClientSampled :

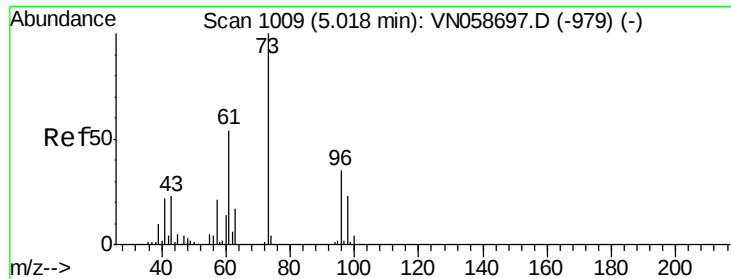
Tot Ion: 76 Resp: 65251
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#18
Methyl Acetate
Concen: 5.814 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 43 Resp: 31810
Ion Ratio Lower Upper
43 100
74 21.3 17.2 25.8

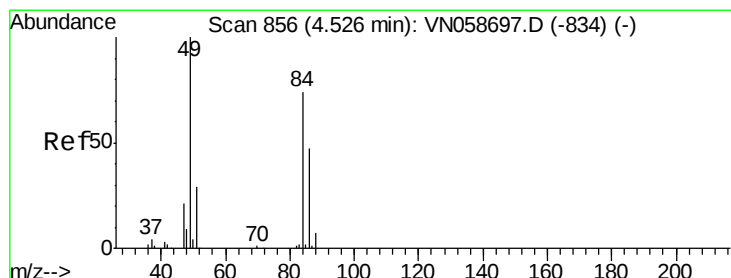
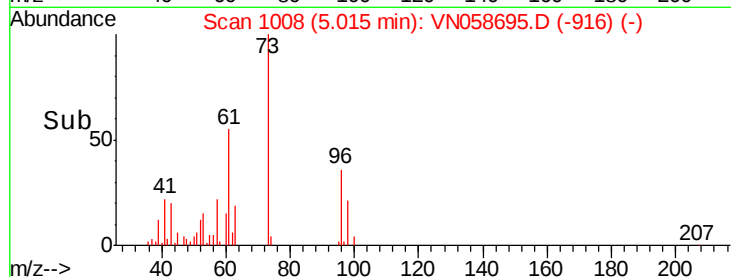
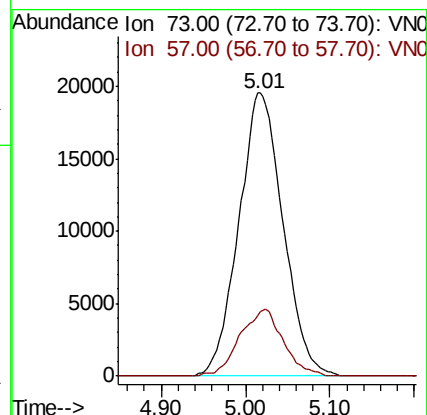
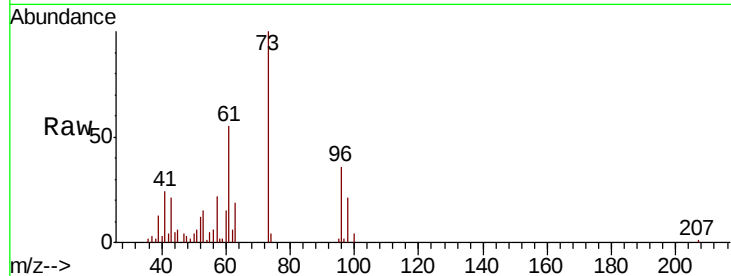




#19
Methvl tert-butvl Ether
Concen: 5.034 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

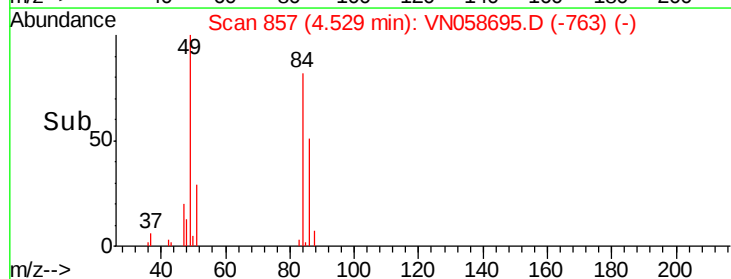
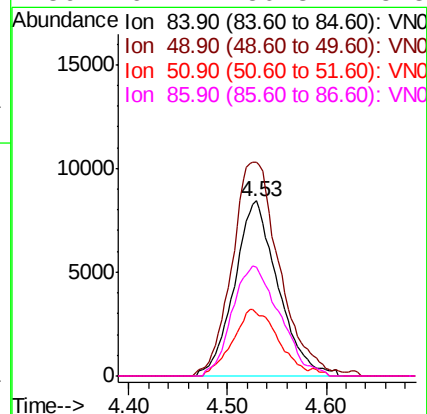
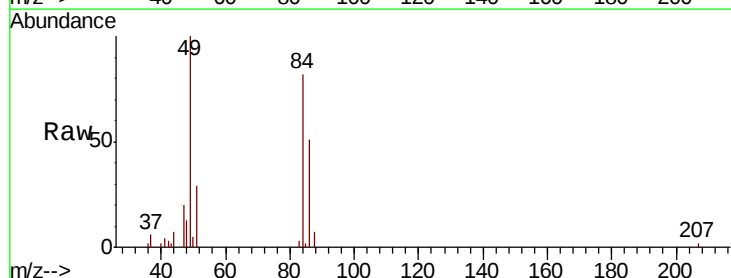
Instrument :
MSVOA_N
ClientSampleId :

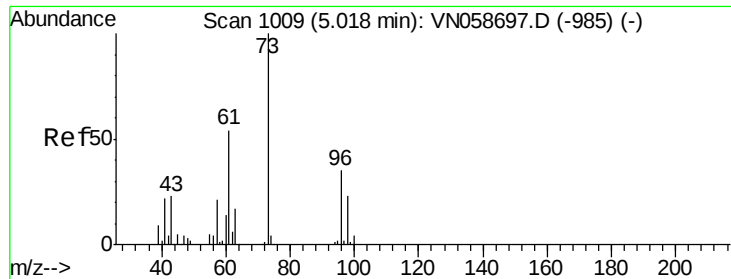
Tot Ion: 73 Resp: 71189
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6



#20
Methylene Chloride
Concen: 5.304 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 84 Resp: 25889
Ion Ratio Lower Upper
84 100
49 121.9 107.6 161.4
51 35.8 31.4 47.0
86 62.4 50.3 75.5

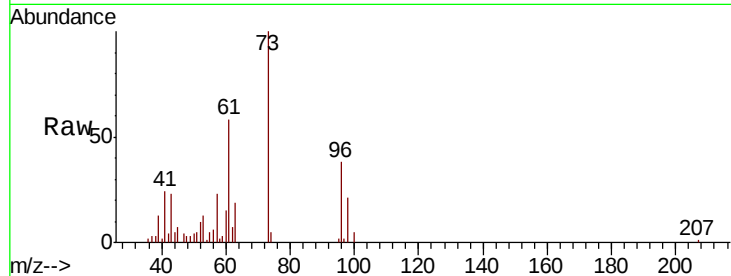




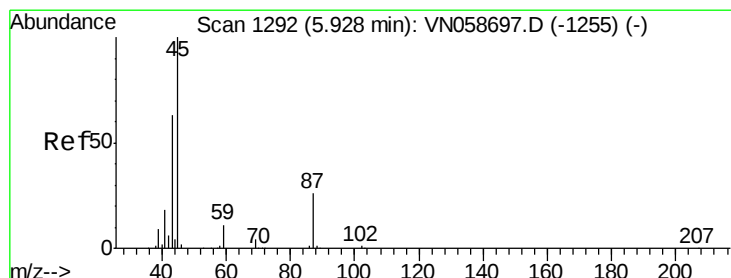
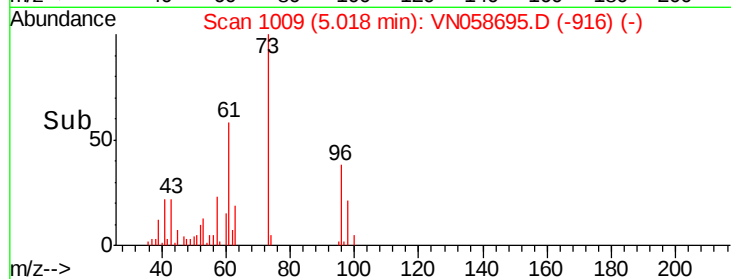
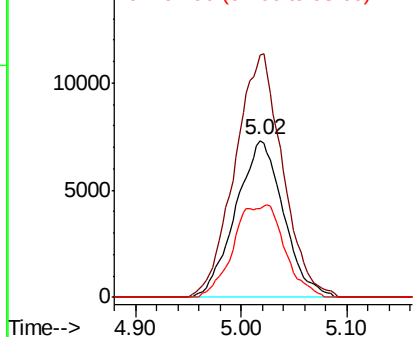
#21
trans-1,2-Dichloroethene
Concen: 5.180 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 23011
Ion Ratio Lower Upper
96 100
61 154.1 123.6 185.4
98 56.7 52.1 78.1

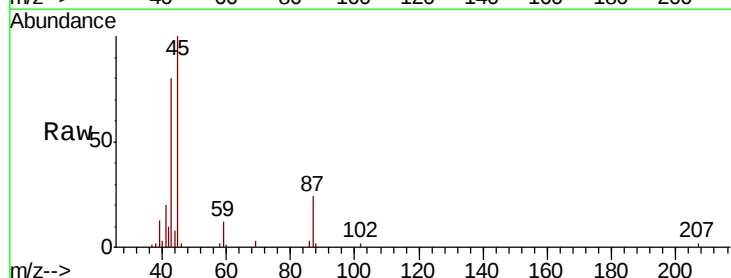


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

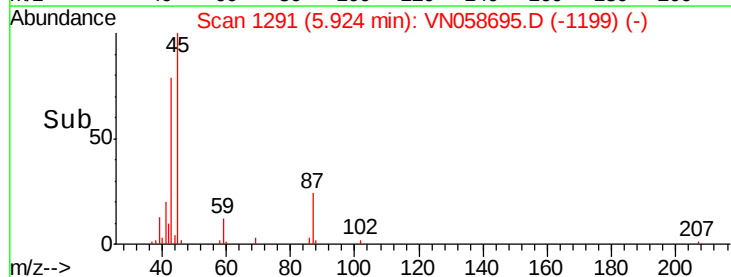
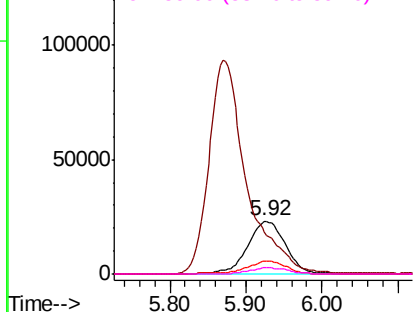


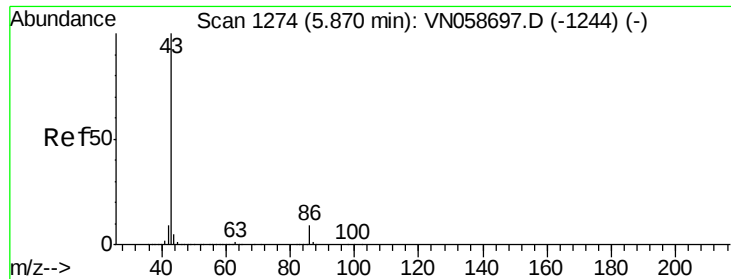
#22
Diisopropyl ether
Concen: 5.090 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 45 Resp: 79860
Ion Ratio Lower Upper
45 100
43 77.0 50.6 75.8#
87 23.9 21.1 31.7
59 12.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 26.960 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

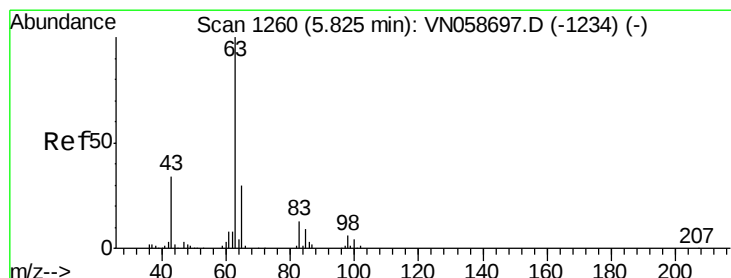
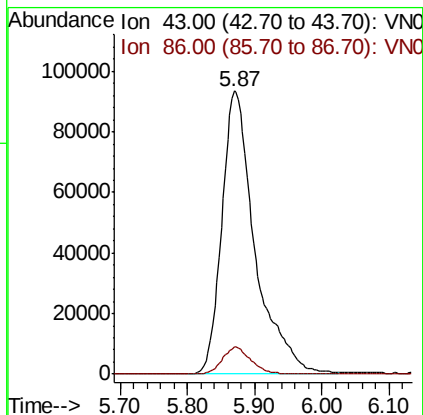
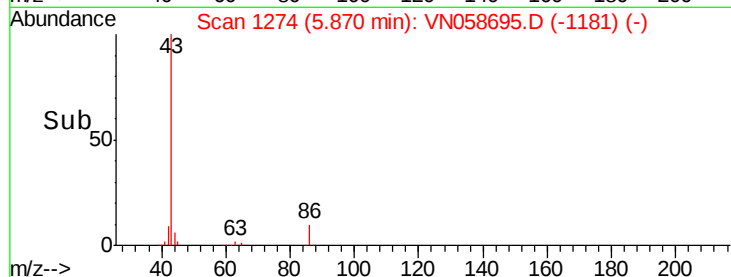
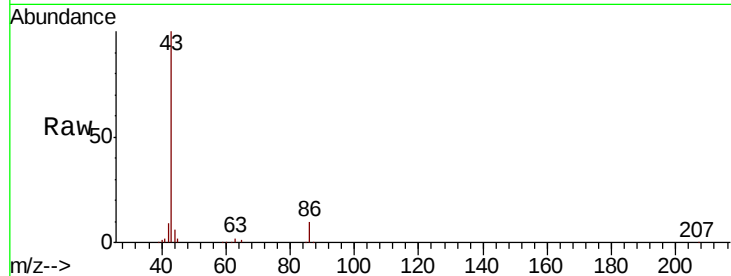
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 321638

Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.0



#24

1,1-Dichloroethane

Concen: 5.384 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

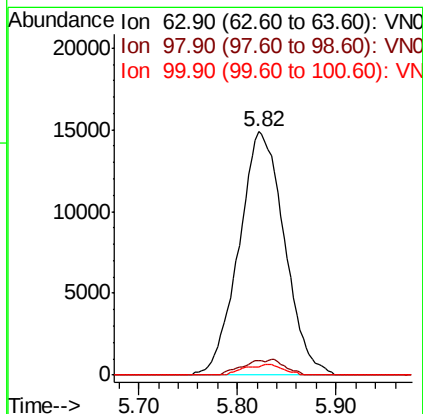
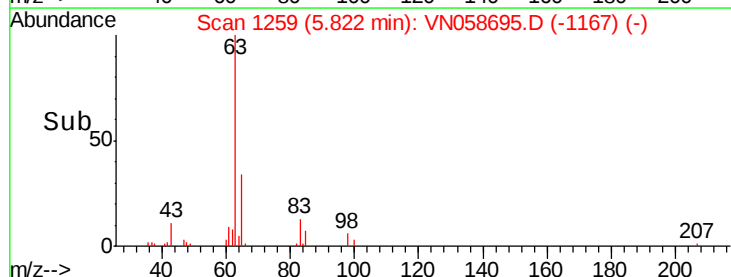
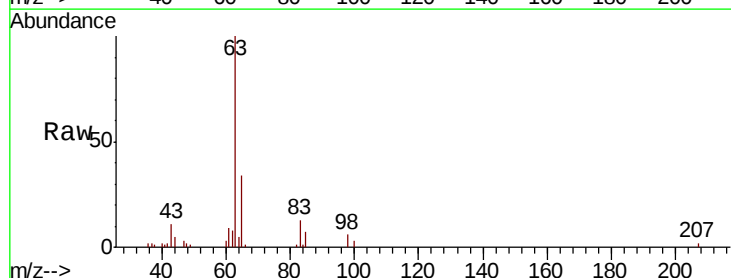
Tgt Ion: 63 Resp: 47452

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.3 1.8 5.5

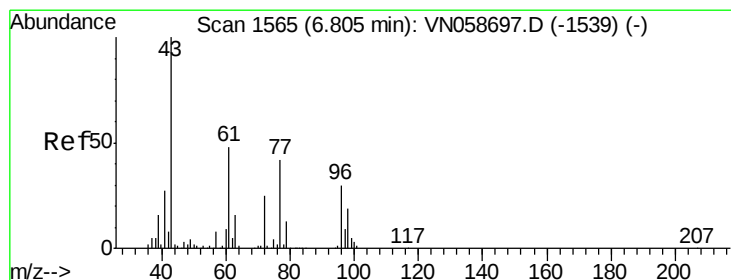
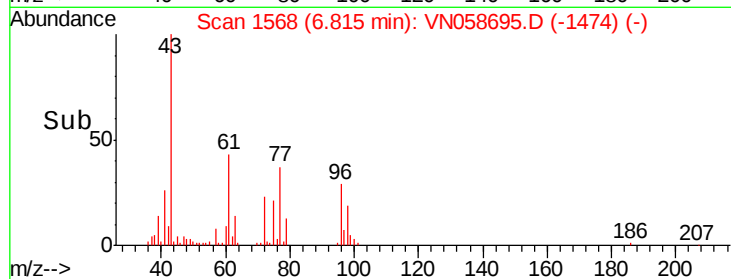
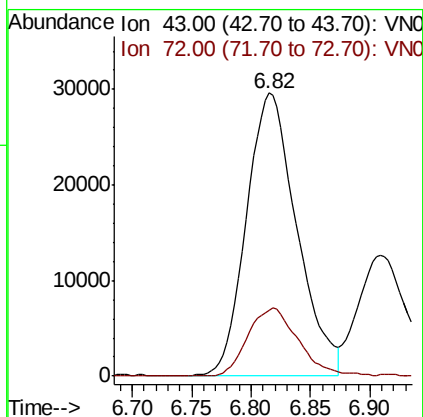
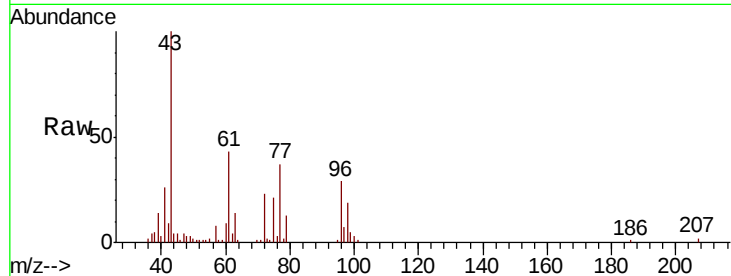




#25
2-Butanone
Concen: 29.119 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

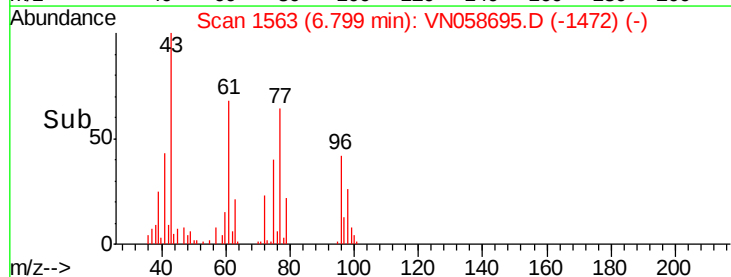
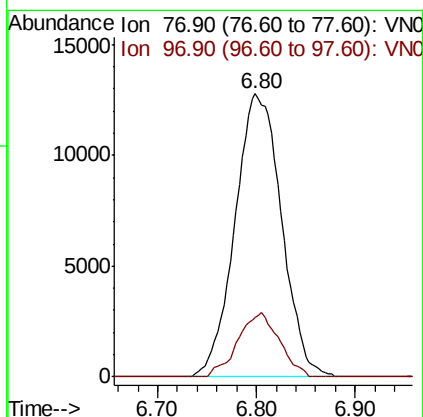
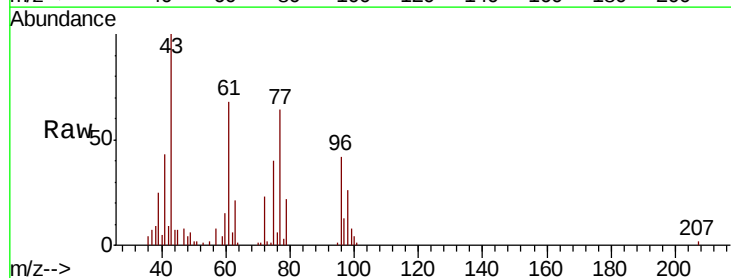
Instrument :
MSVOA_N
ClientSampled :

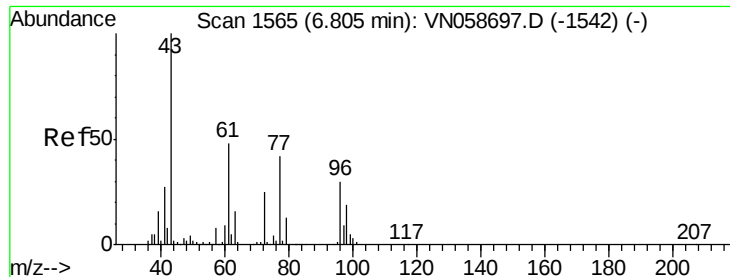
Tot Ion: 43 Resp: 87058
Ion Ratio Lower Upper
43 100
72 23.4 20.2 30.2



#26
2,2-Dichloropropane
Concen: 5.710 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 77 Resp: 41780
Ion Ratio Lower Upper
77 100
97 20.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 5.226 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :

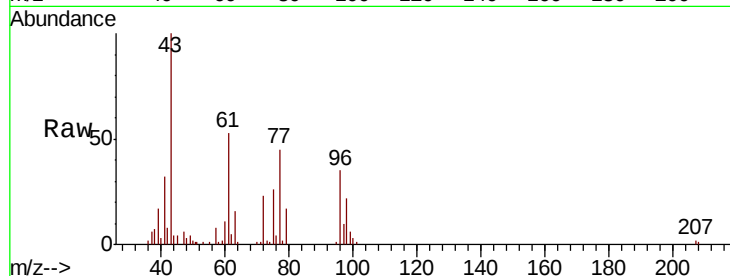
Tot Ion: 96 Resp: 27002

Ion Ratio Lower Upper

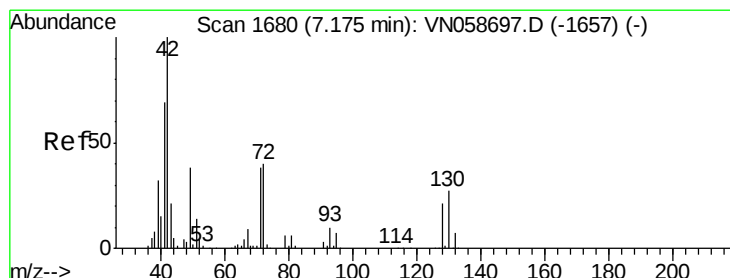
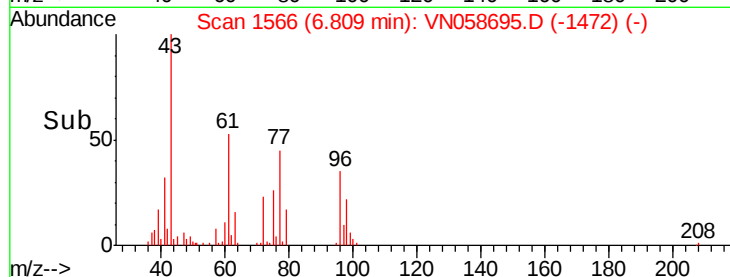
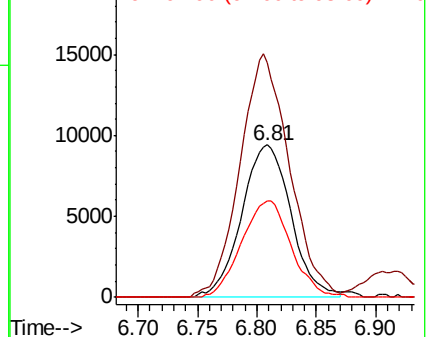
96 100

61 160.3 0.0 324.8

98 63.8 0.0 129.2



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



#28

Bromochloromethane

Concen: 4.621 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

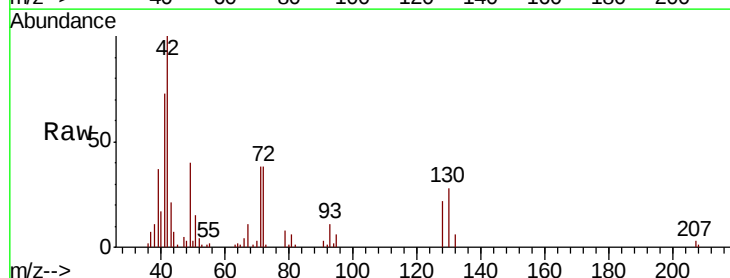
Tgt Ion: 49 Resp: 15857

Ion Ratio Lower Upper

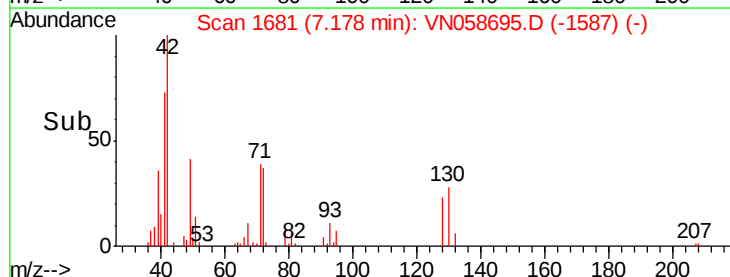
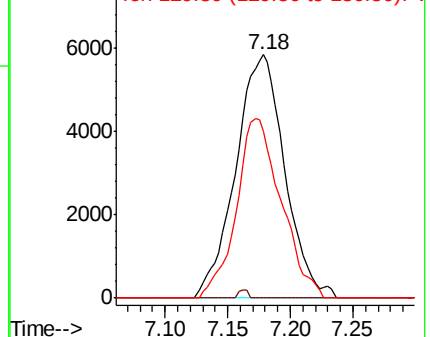
49 100

129 0.6 0.0 3.6

130 67.3 55.0 82.4



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

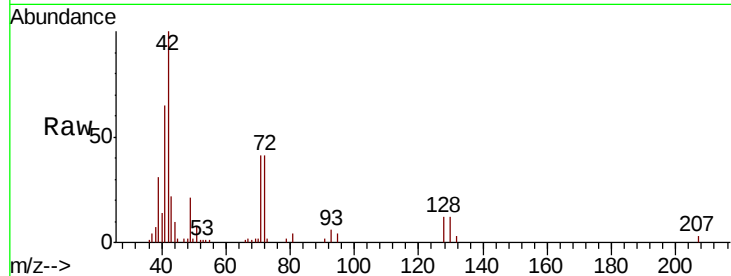




#29
Tetrahydrofuran
Concen: 29.622 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.8	49.2
71	39.2	31.1	46.7

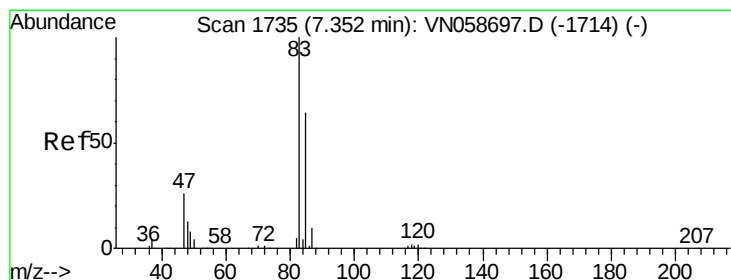
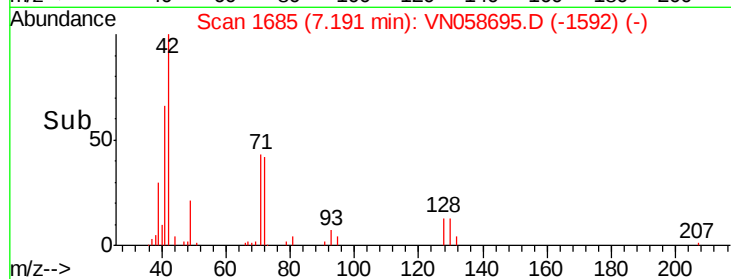
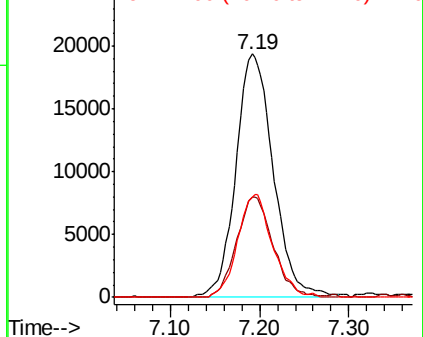


Abundance

Ion 42.00 (41.70 to 42.70): VN0

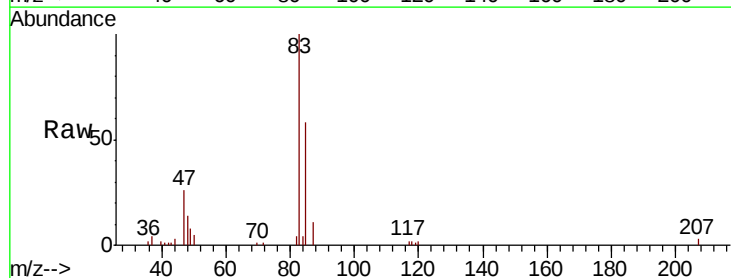
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 5.292 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

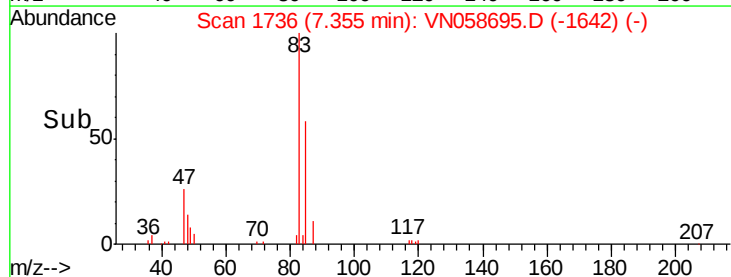
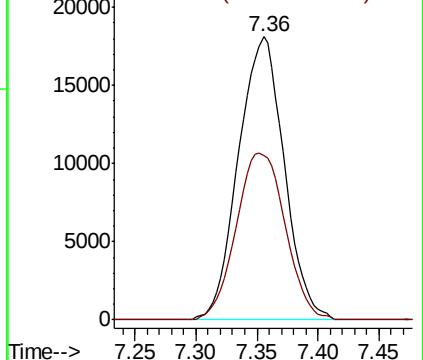
Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	51.0	76.6

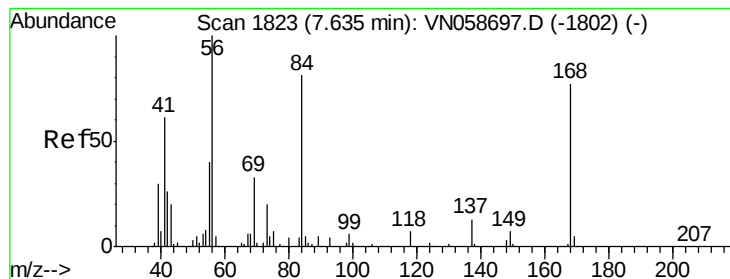


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.625 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

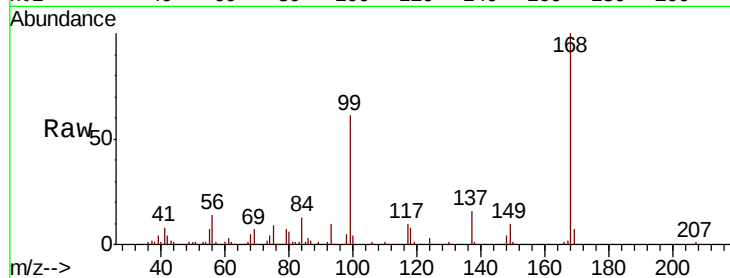
Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

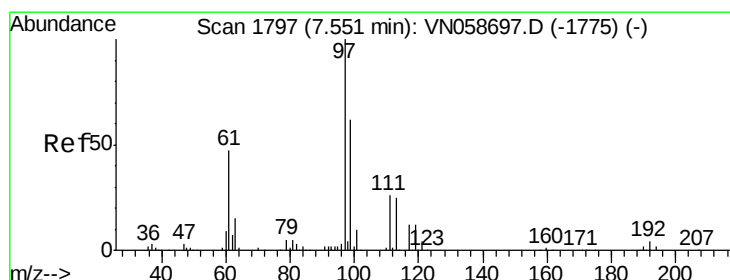
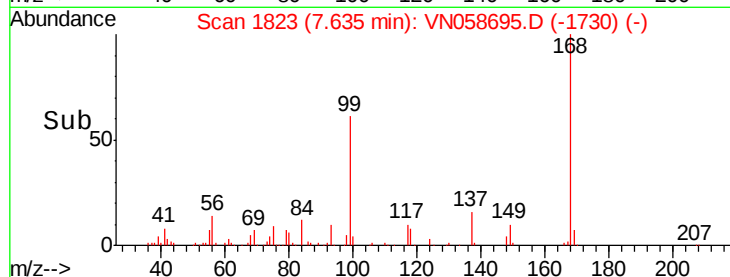
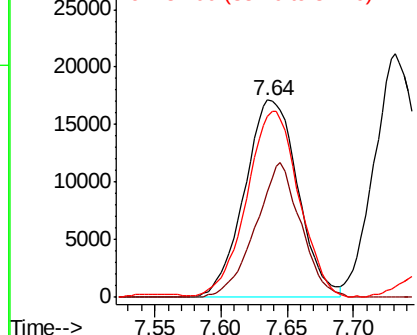
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 48091

Ion	Ratio	Lower	Upper
56	100		
69	53.4	26.2	39.4#
84	90.7	64.9	97.3



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



#32

1,1,1-Trichloroethane

Concen: 5.411 ug/l

RT: 7.55 min Scan# 1797

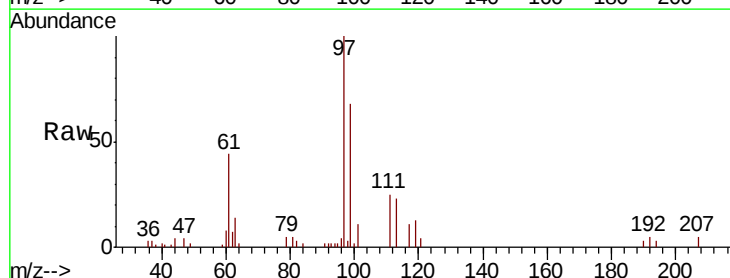
Delta R.T. 0.00 min

Lab File: VN058695.D

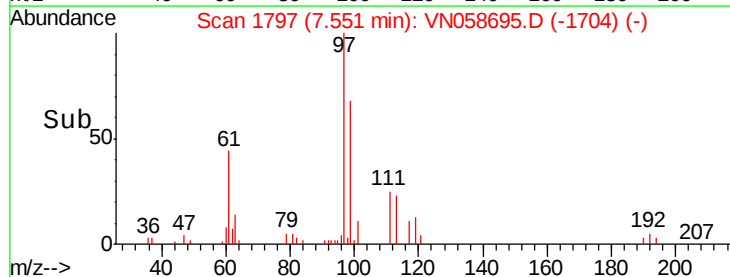
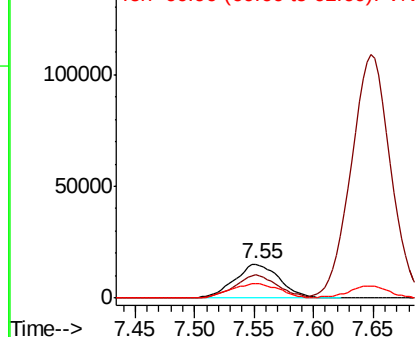
Acq: 11 Oct 2019 11:52

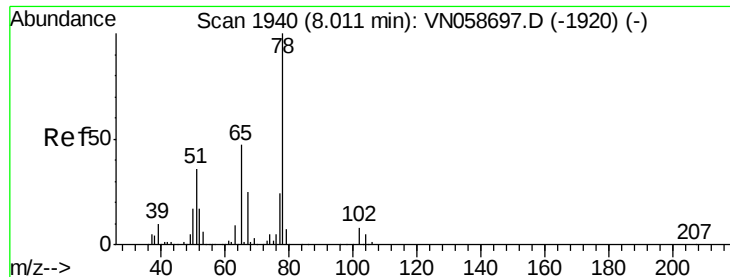
Tgt Ion: 97 Resp: 39819

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	46.2	38.1	57.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

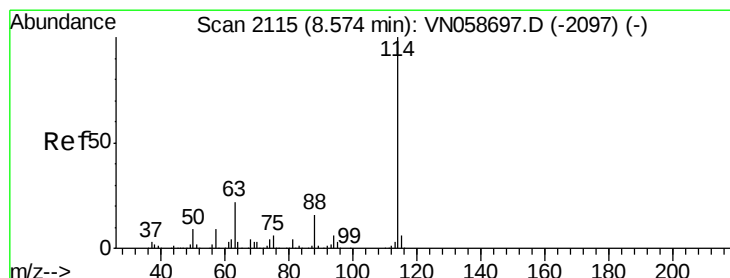
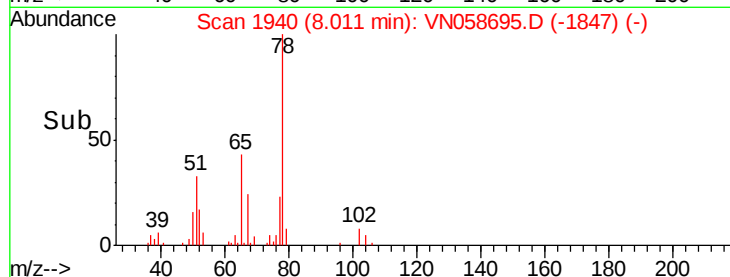
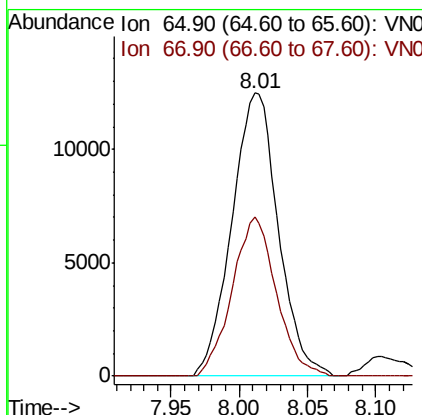
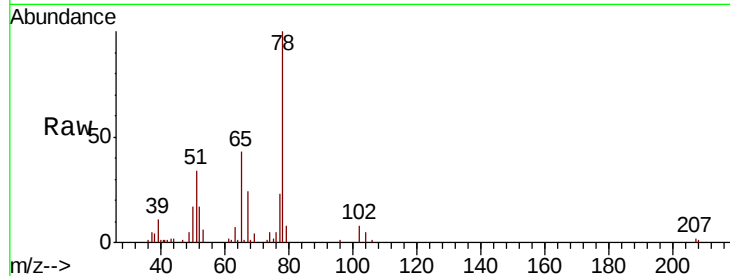




#33
 1,2-Dichloroethane-d4
 Concen: 4.823 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

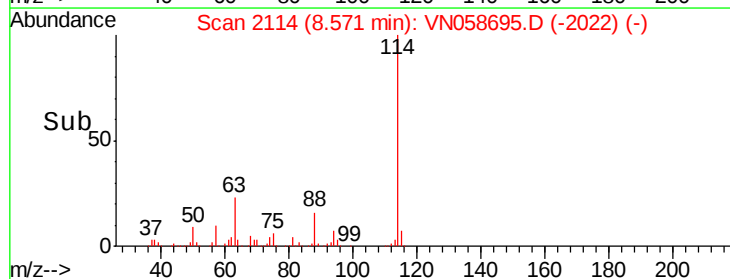
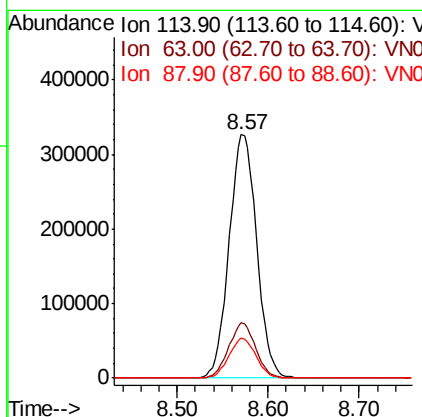
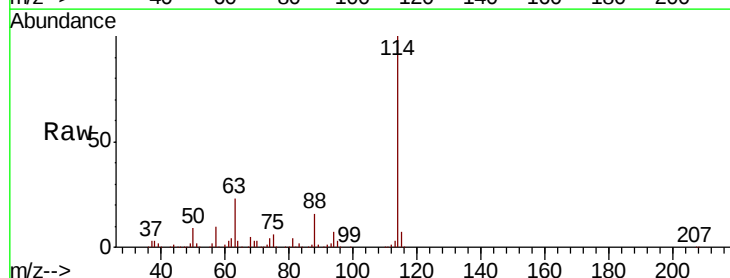
Instrument :
 MSVOA_N
 ClientSampled :

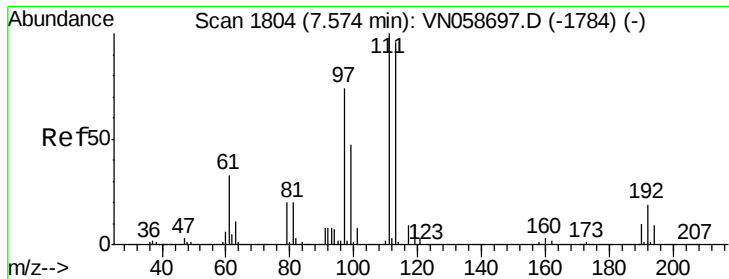
Tot Ion: 65 Resp: 29505
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 114 Resp: 687829
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.4 0.0 32.0

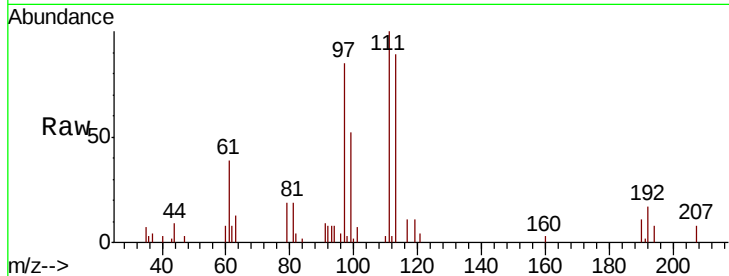




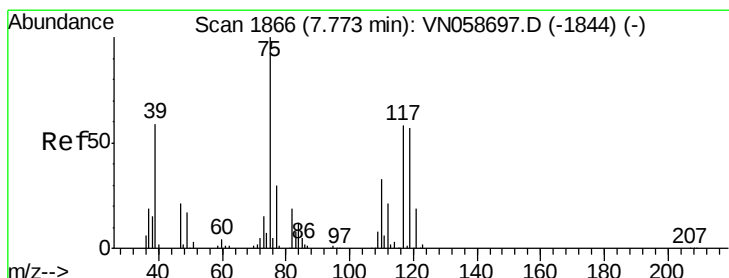
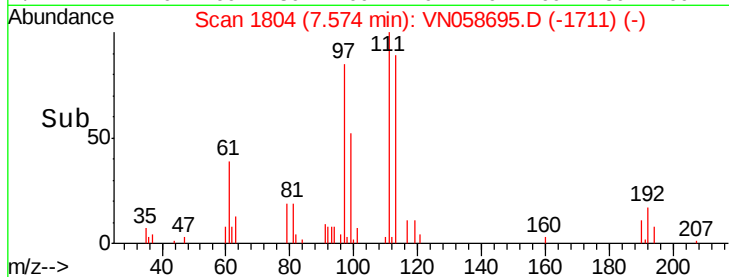
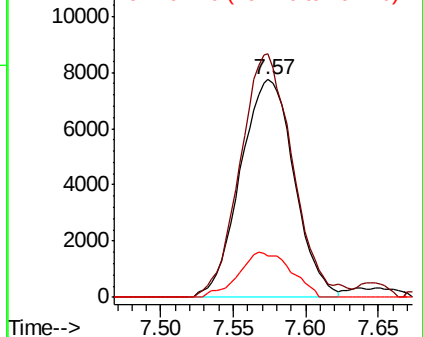
#35
Dibromofluoromethane
Concen: 4.749 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 19978
Ion Ratio Lower Upper
113 100
111 109.7 82.3 123.5
192 20.1 15.0 22.6

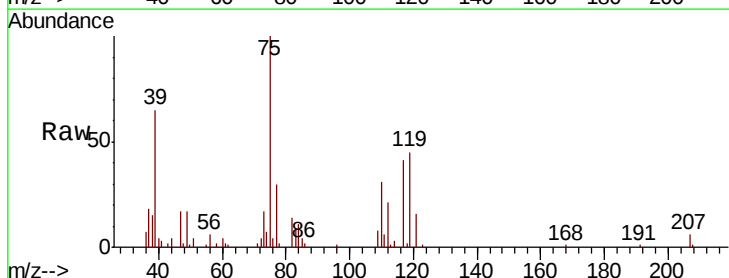


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

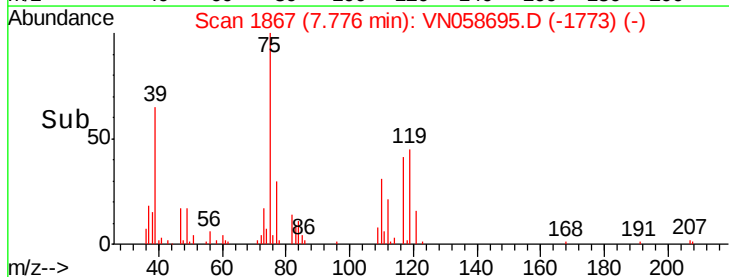
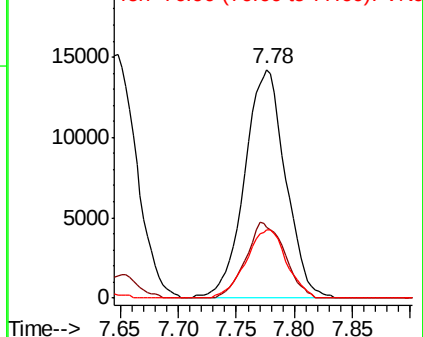


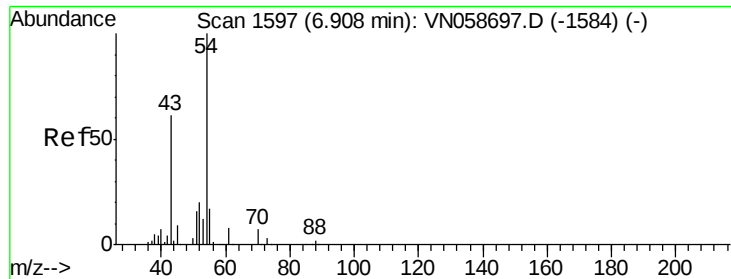
#36
1,1-Dichloropropene
Concen: 5.276 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 75 Resp: 34902
Ion Ratio Lower Upper
75 100
110 31.4 16.6 49.8
77 29.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

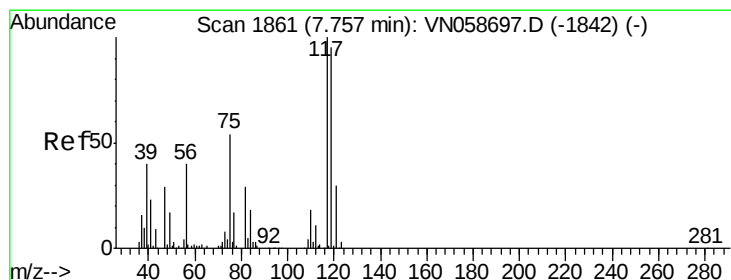
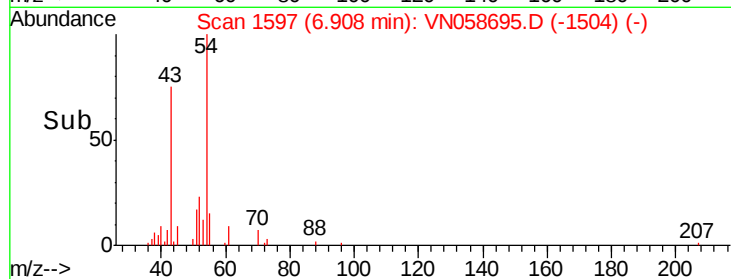
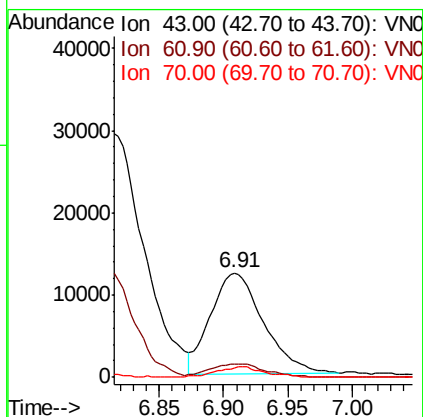
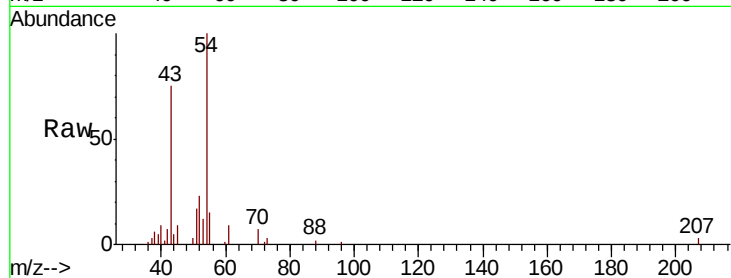




#37
Ethyl Acetate
Concen: 6.051 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

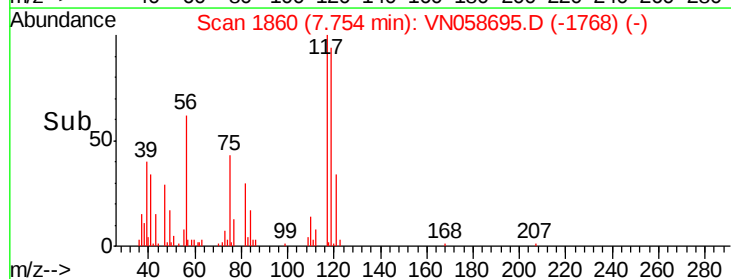
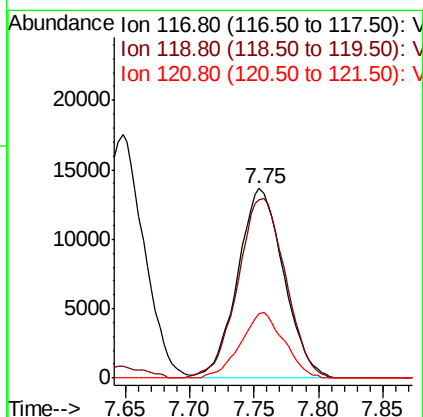
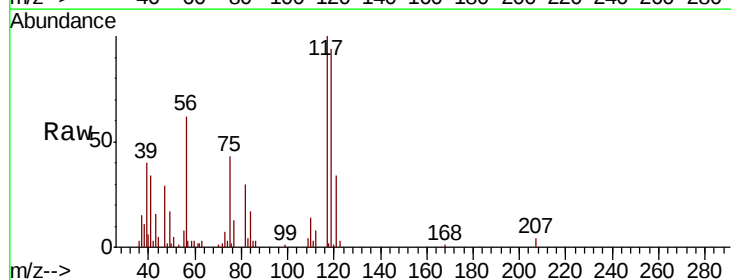
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 35137
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 5.616 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 117 Resp: 33983
Ion Ratio Lower Upper
117 100
119 94.0 75.7 113.5
121 33.9 23.9 35.9

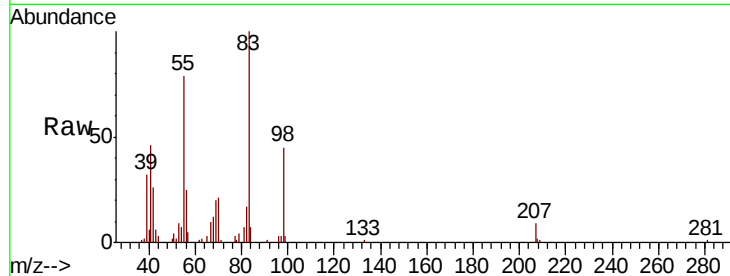




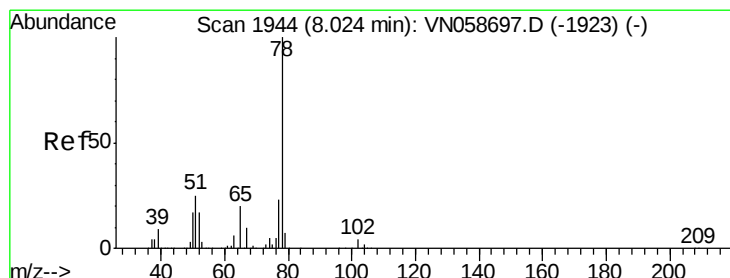
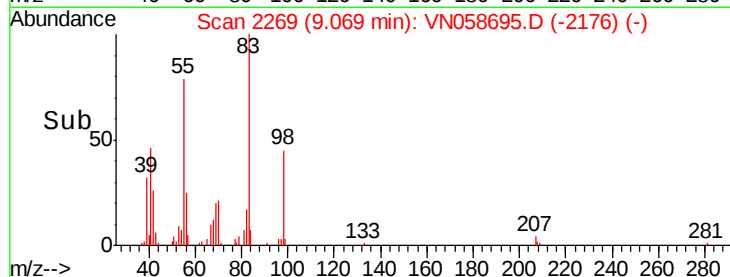
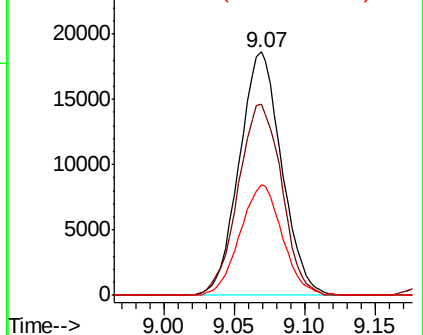
#39
Methvlcvclohexane
Concen: 5.058 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 39184
Ion Ratio Lower Upper
83 100
55 78.8 63.4 95.0
98 45.3 35.1 52.7

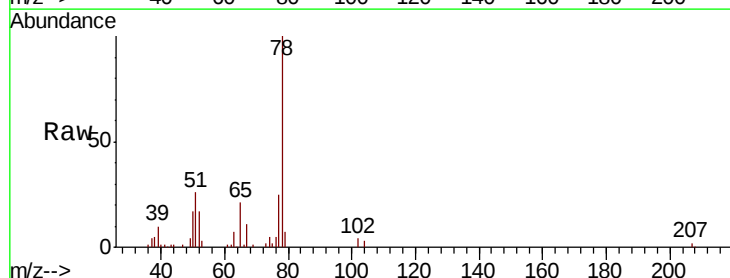


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

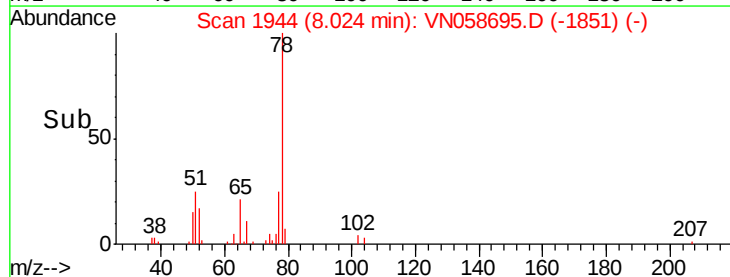
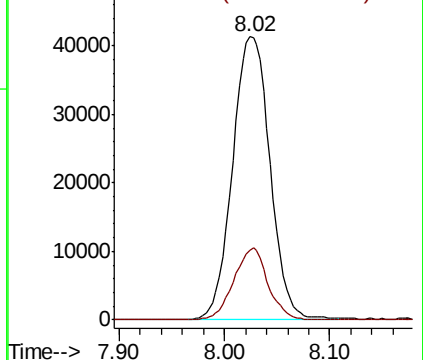


#40
Benzene
Concen: 5.364 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 78 Resp: 101935
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

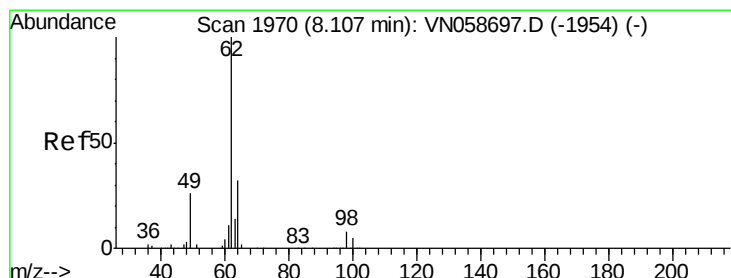
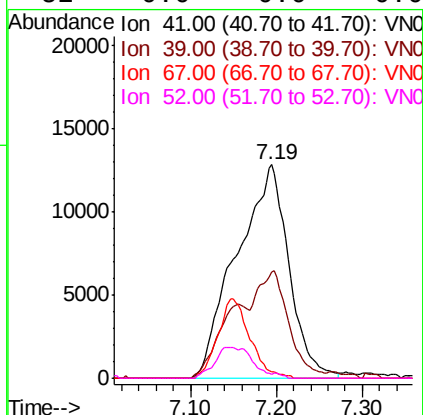
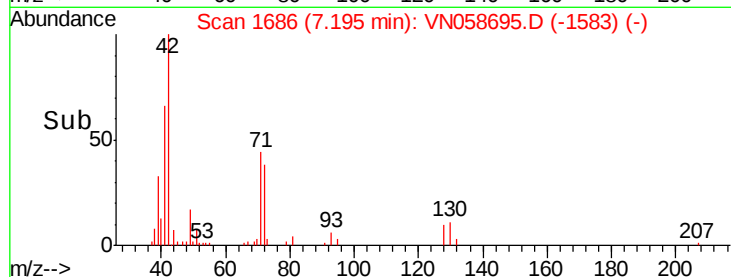
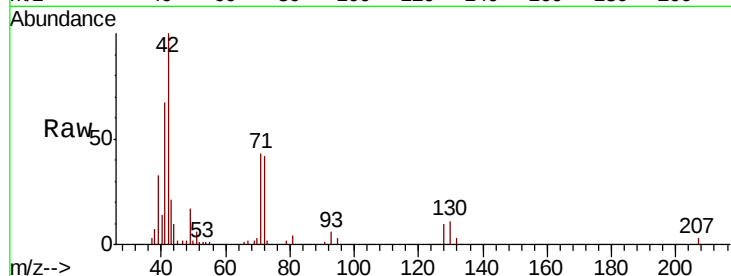




#41
Methacrylonitrile
Concen: 19.903 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

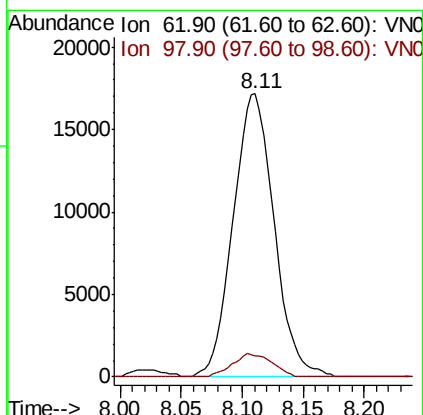
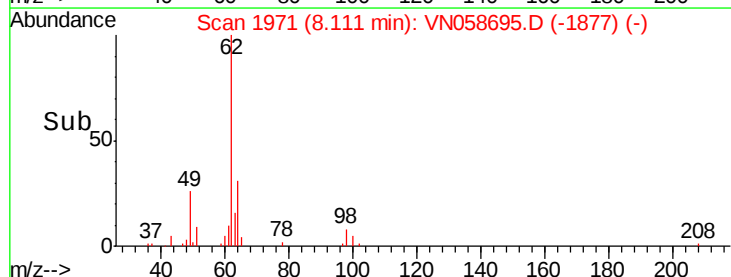
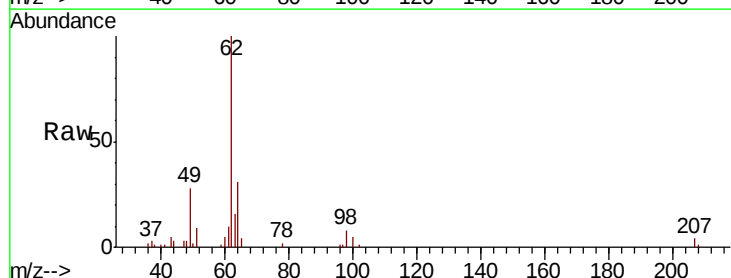
Instrument :
MSVOA_N
ClientSampleId :

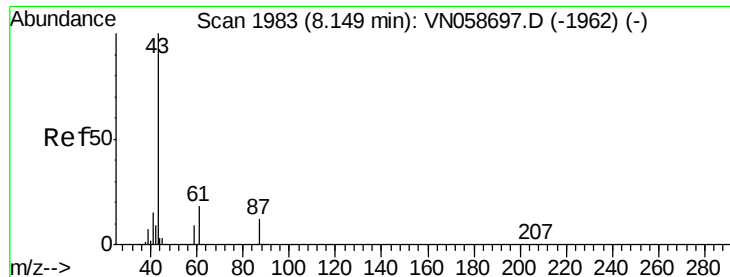
Tot Ion	Ratio	Lower	Upper
41	100		
39	27.7	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 5.396 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 5.374 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

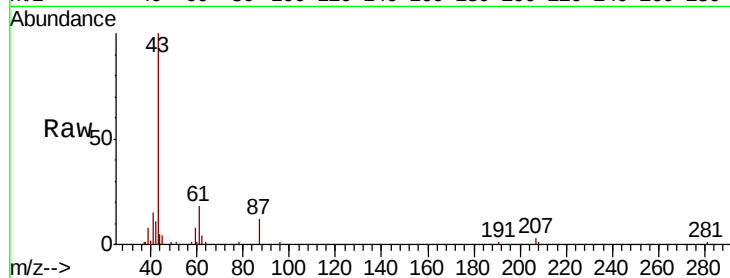
Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

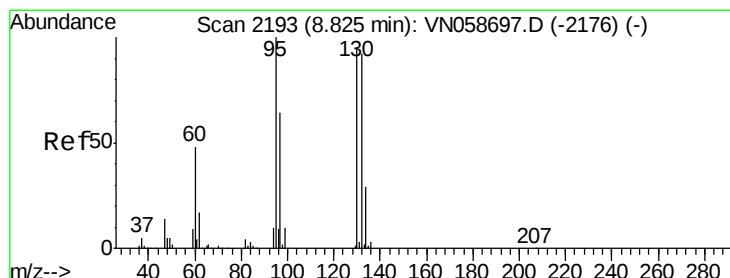
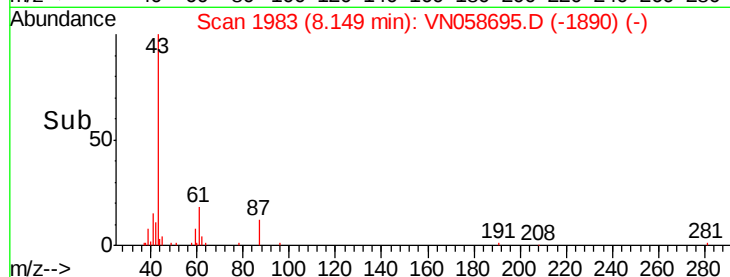
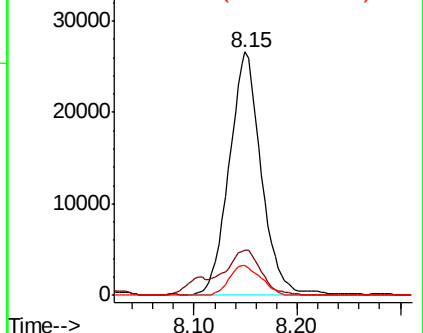
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 57793

Ion	Ratio	Lower	Upper
43	100		
61	20.2	20.3	30.5#
87	12.0	9.8	14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 5.368 ug/l

RT: 8.82 min Scan# 2193

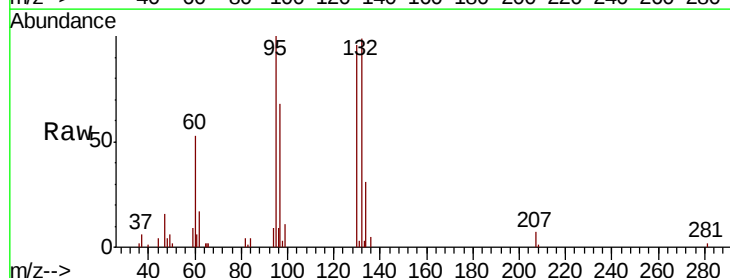
Delta R.T. 0.00 min

Lab File: VN058695.D

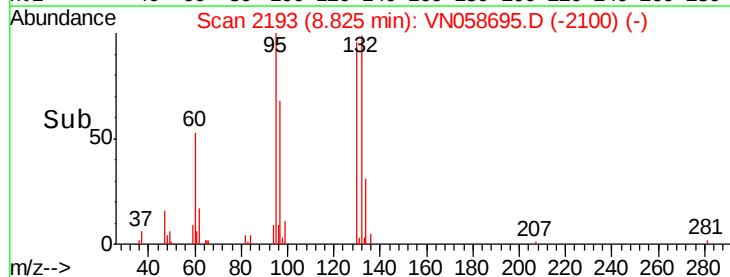
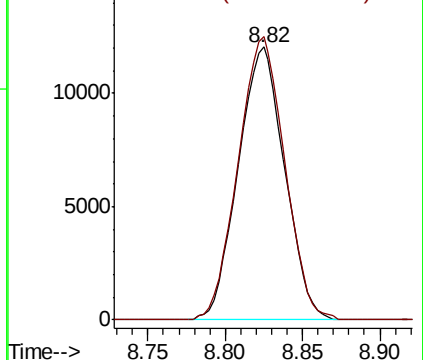
Acq: 11 Oct 2019 11:52

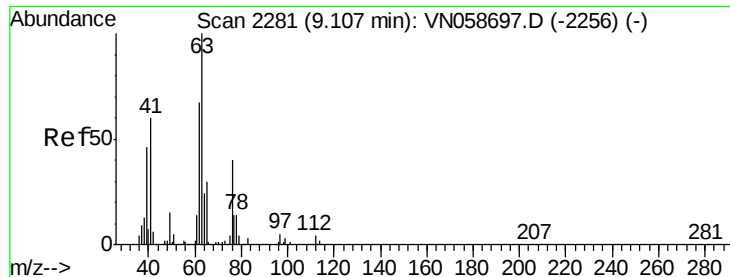
Tgt Ion: 130 Resp: 25155

Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

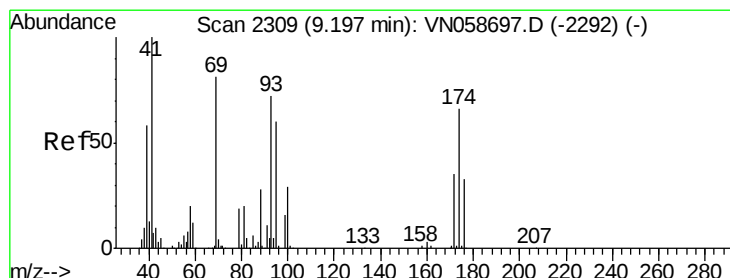
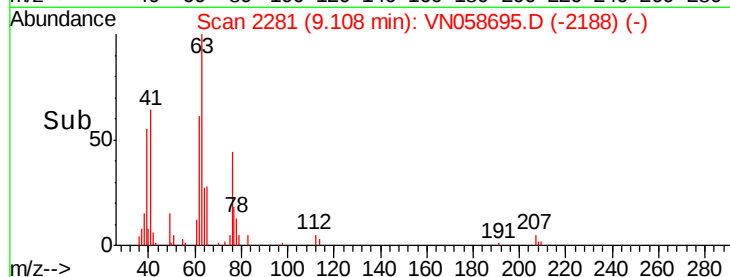
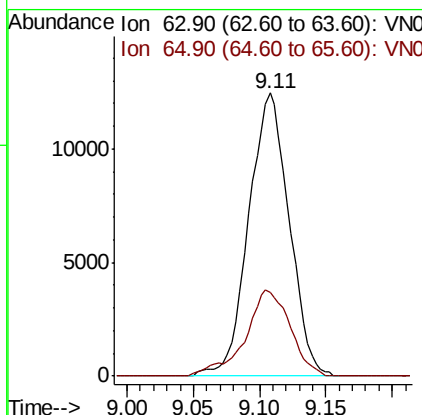
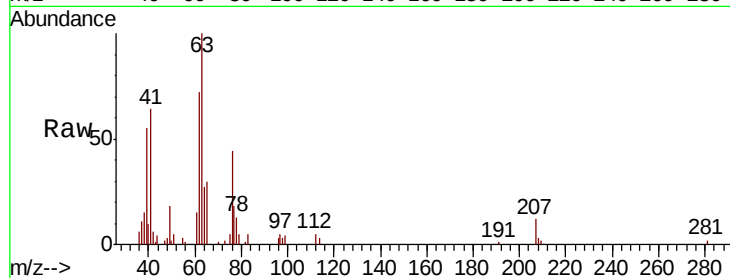




#45
 1,2-Dichloropropane
 Concen: 5.176 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

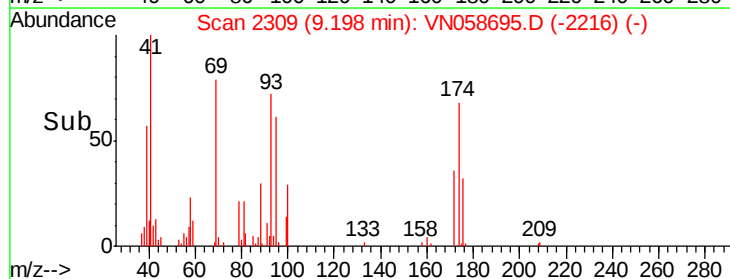
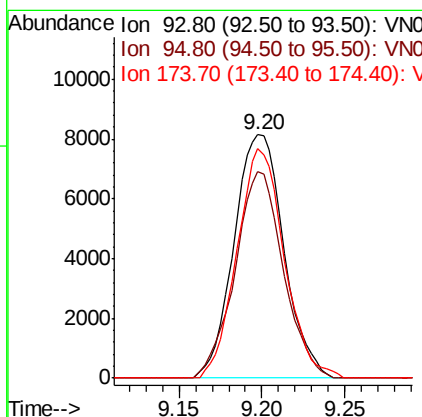
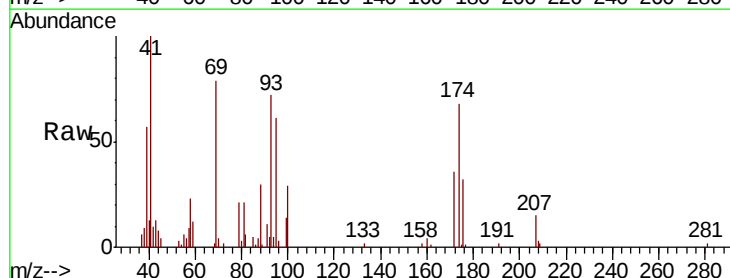
Instrument :
 MSVOA_N
 ClientSampleId :

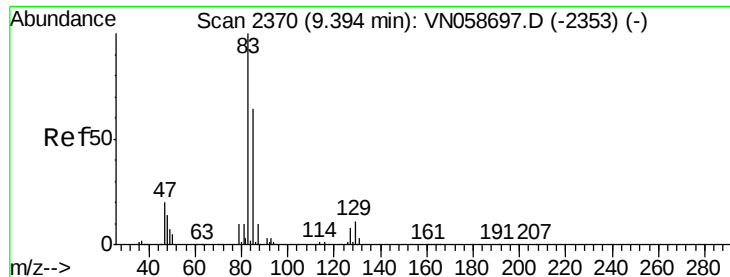
Tot Ion: 63 Resp: 26410
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.1 36.1



#46
 Dibromomethane
 Concen: 5.268 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 93 Resp: 17058
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 89.3 75.2 112.8





#47

Bromodichloromethane

Concen: 5.374 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :

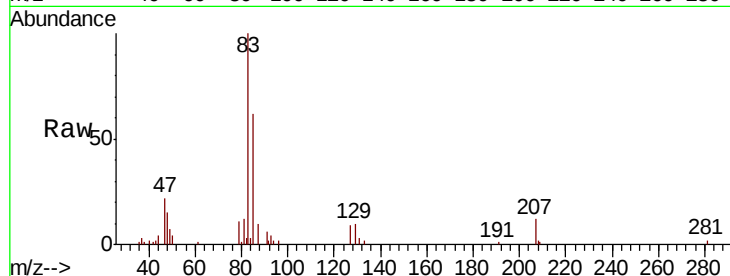
Tot Ion: 83 Resp: 33234

Ion Ratio Lower Upper

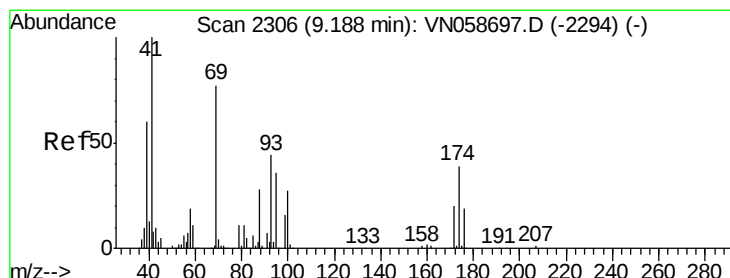
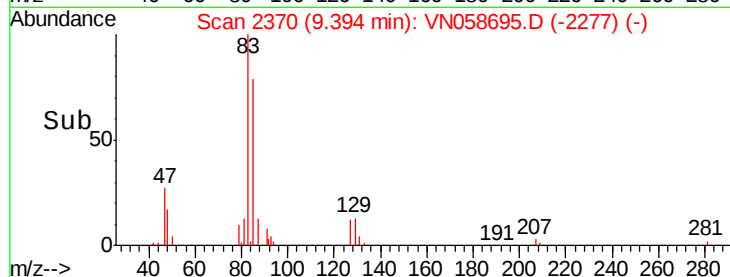
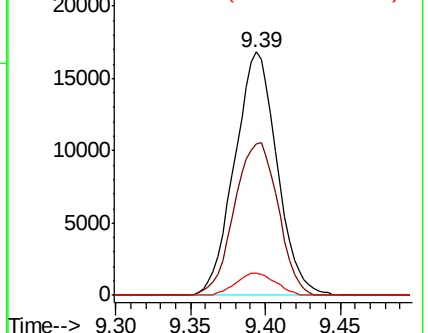
83 100

85 62.3 50.9 76.3

127 9.1 6.3 9.5



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: 5.087 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

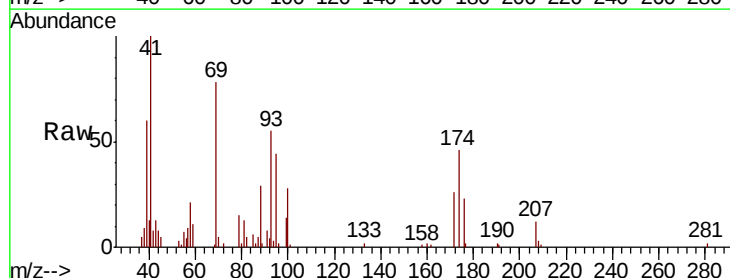
Tgt Ion: 41 Resp: 24853

Ion Ratio Lower Upper

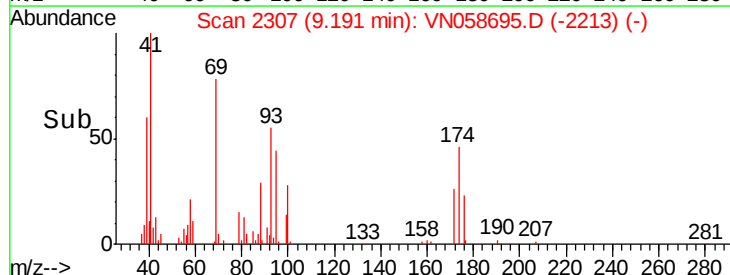
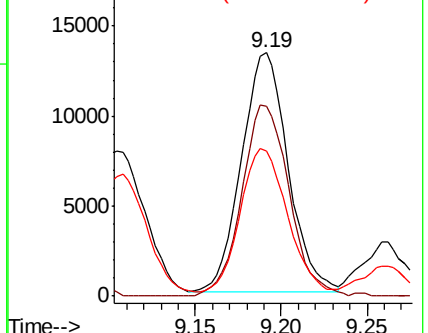
41 100

69 81.6 63.4 95.2

39 64.8 48.9 73.3



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

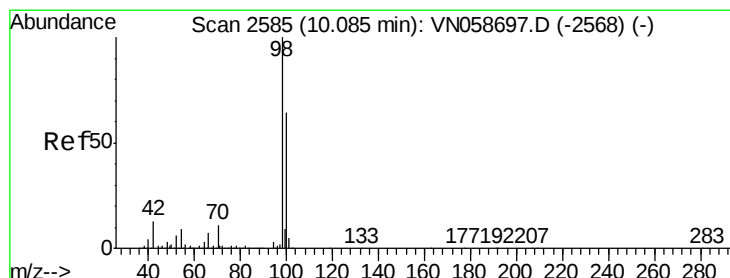
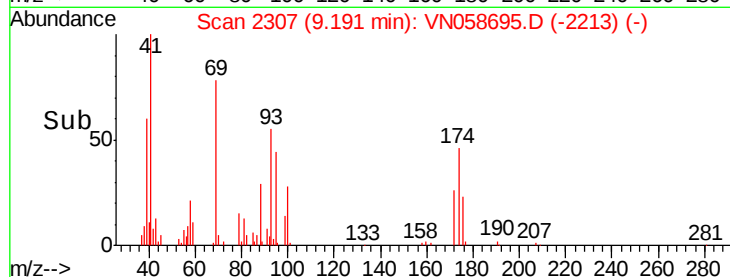
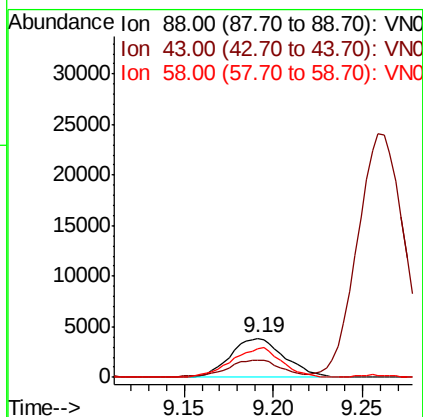
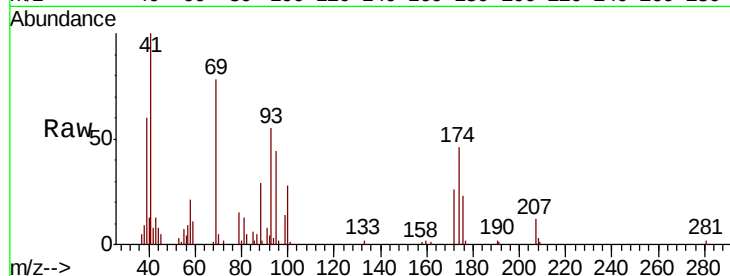




#49
1,4-Dioxane
Concen: 122.786 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

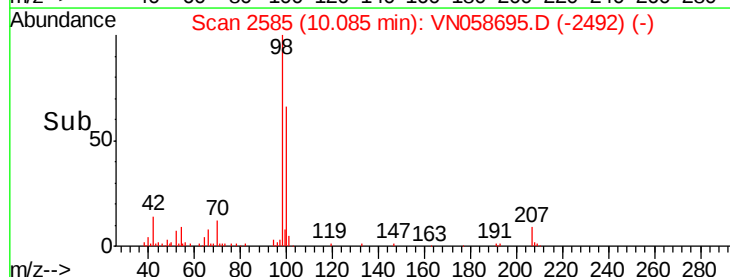
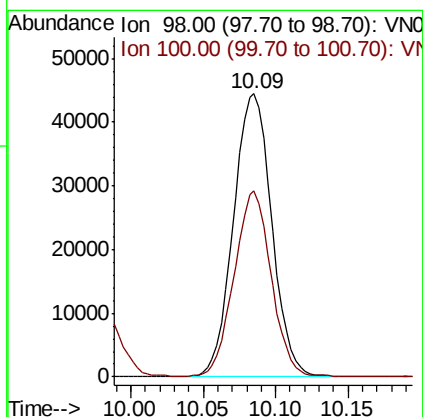
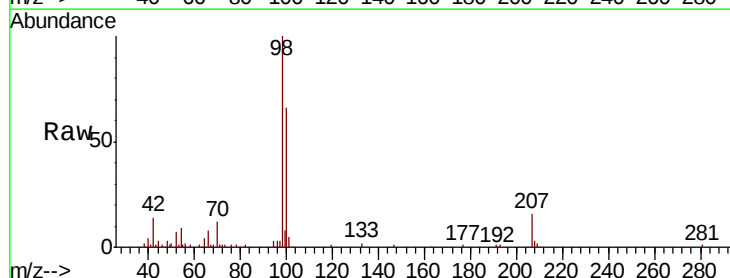
Instrument :
MSVOA_N
ClientSampleId :

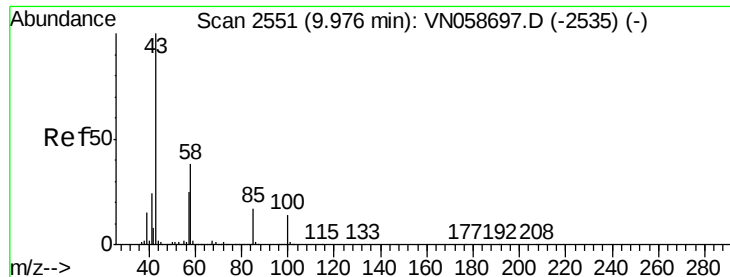
Tot Ion: 88 Resp: 8161
Ion Ratio Lower Upper
88 100
43 44.5 28.6 43.0#
58 69.9 57.2 85.8



#50
Toluene-d8
Concen: 4.938 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 98 Resp: 81626
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

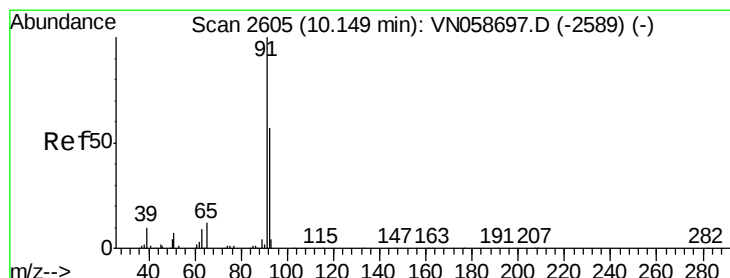
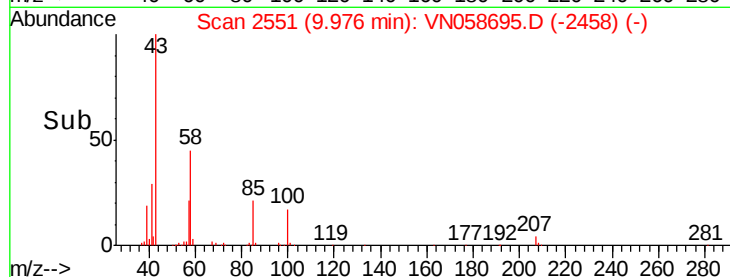
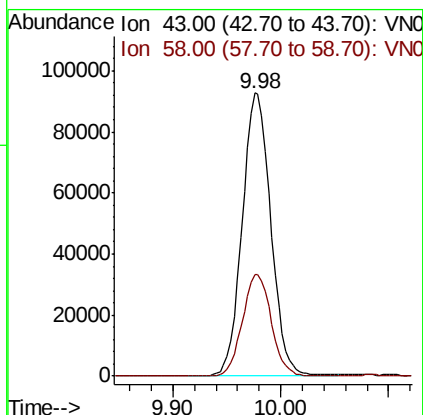
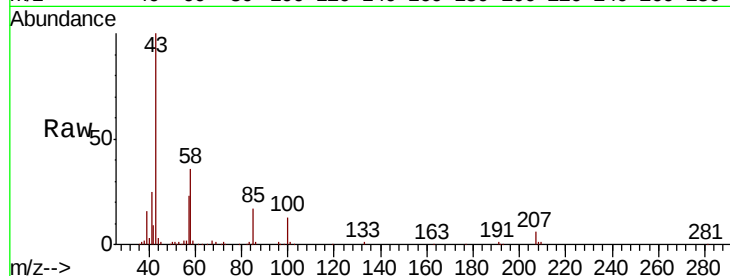




#51
4-Methyl-2-Pentanone
Concen: 30.459 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

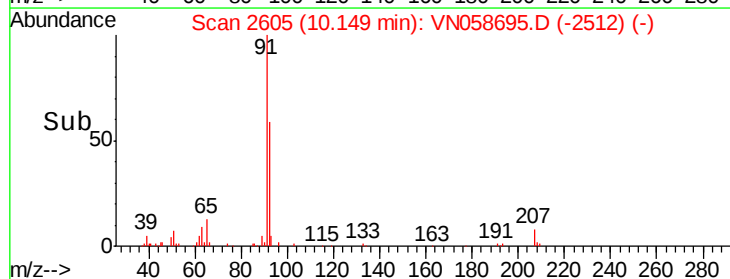
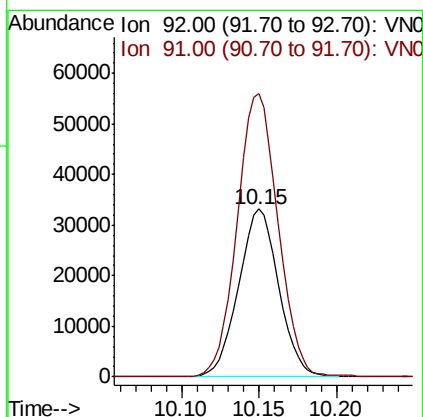
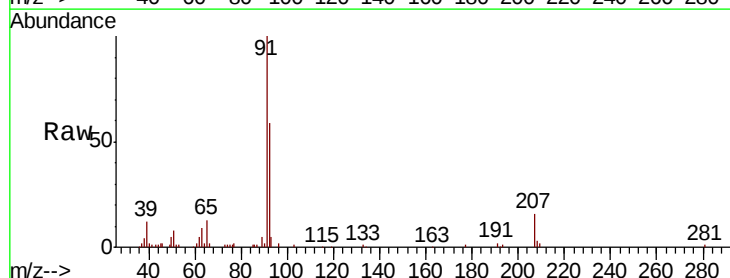
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 171543
Ion Ratio Lower Upper
43 100
58 36.1 30.3 45.5



#52
Toluene
Concen: 4.987 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 92 Resp: 59768
Ion Ratio Lower Upper
92 100
91 172.1 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 5.459 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

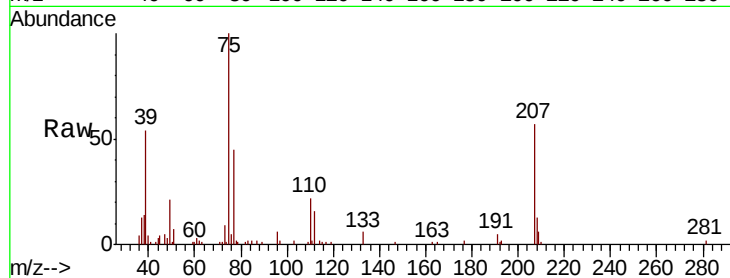
ClientSampleId :

Tot Ion: 75 Resp: 36855

Ion Ratio Lower Upper

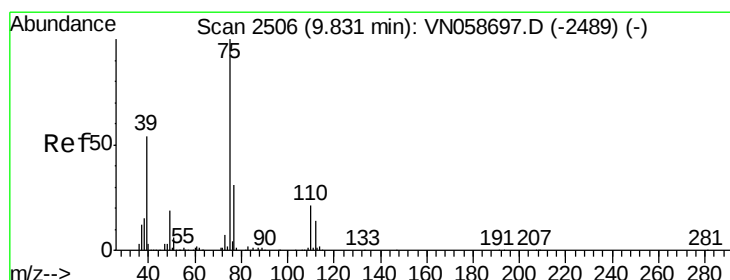
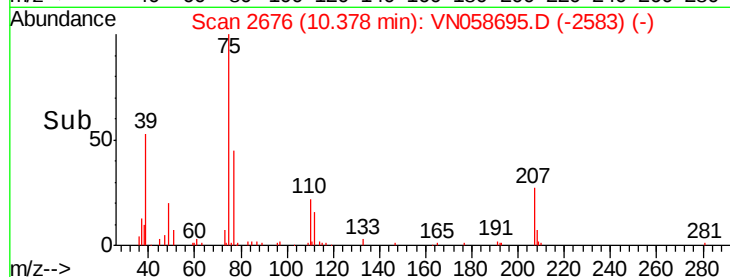
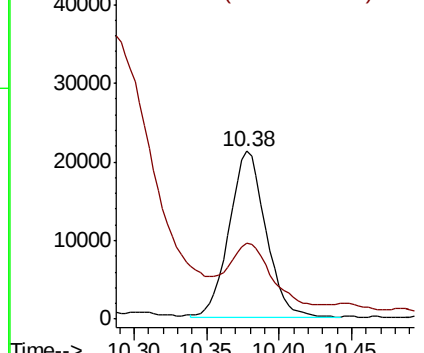
75 100

77 36.4 26.2 39.4



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: 5.367 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

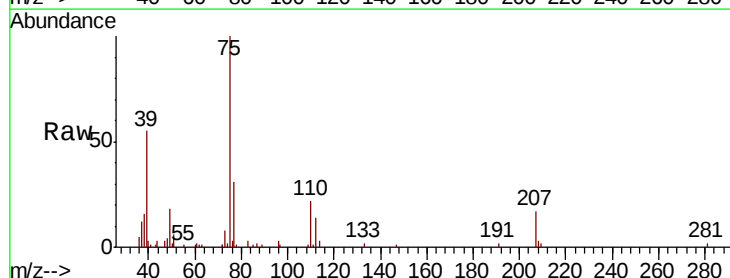
Tgt Ion: 75 Resp: 39977

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

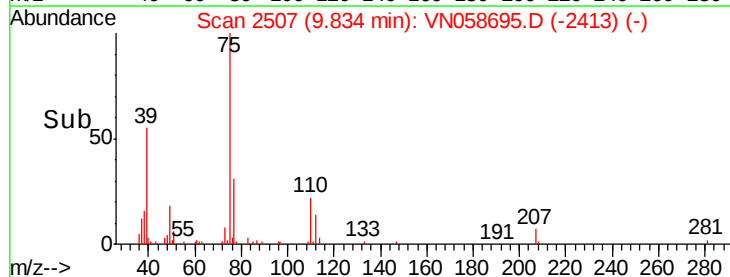
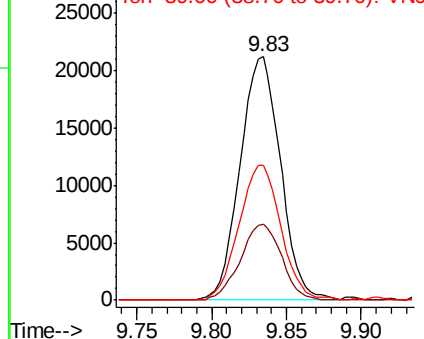
39 55.4 43.1 64.7

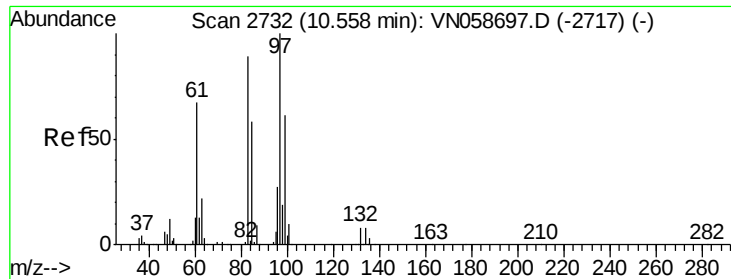


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

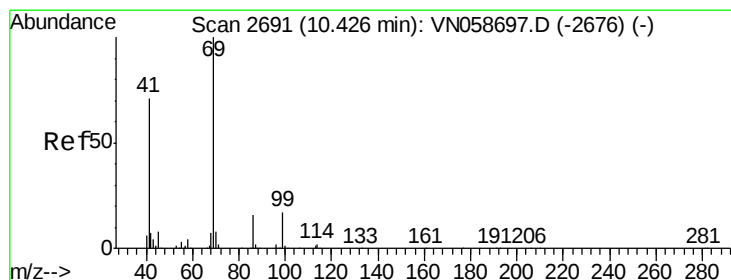
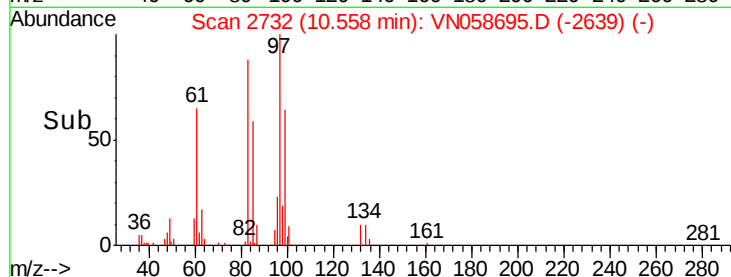
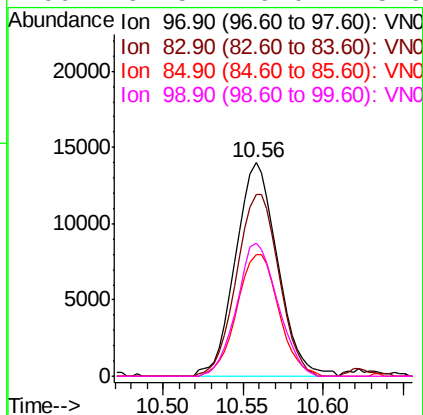
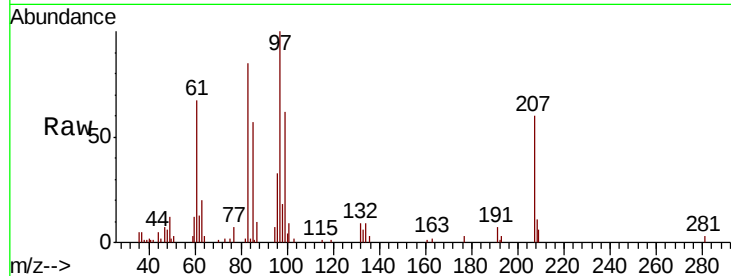




#55
 1,1,2-Trichloroethane
 Concen: 5.740 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

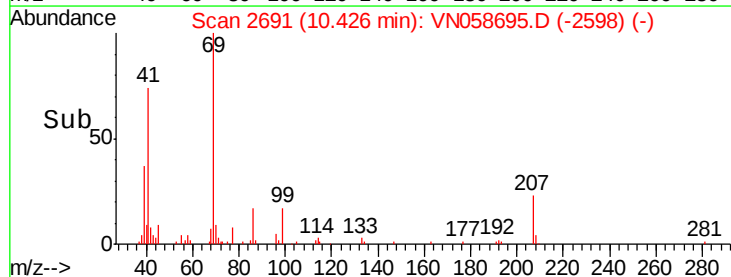
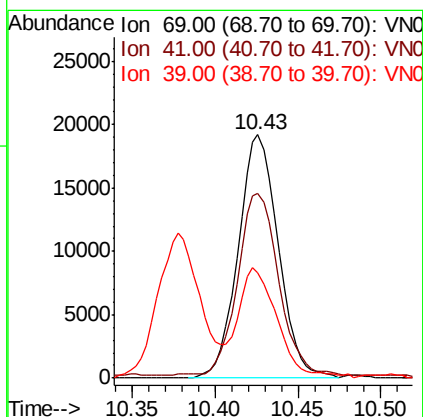
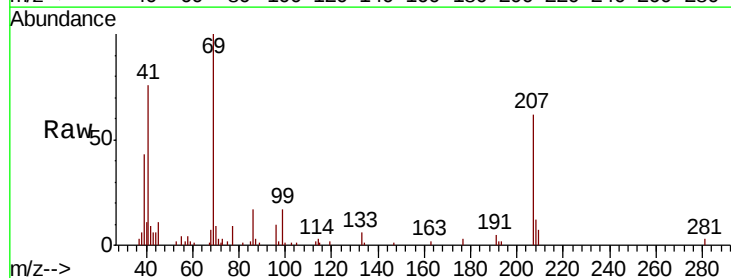
Instrument :
 MSVOA_N
 ClientSampled :

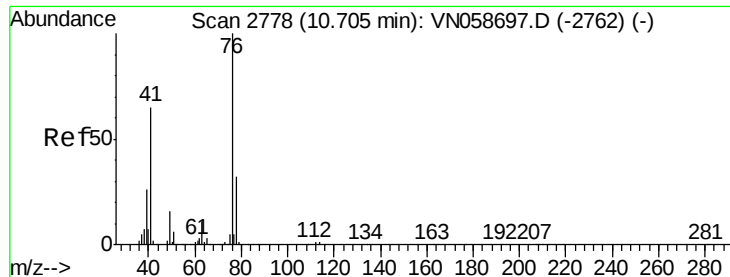
Tot Ion: 97 Resp: 25131
 Ion Ratio Lower Upper
 97 100
 83 85.1 71.2 106.8
 85 57.2 46.7 70.1
 99 62.5 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 4.821 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 69 Resp: 32254
 Ion Ratio Lower Upper
 69 100
 41 76.8 56.8 85.2
 39 45.3 32.5 48.7





#57

1,3-Dichloropropane

Concen: 5.439 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

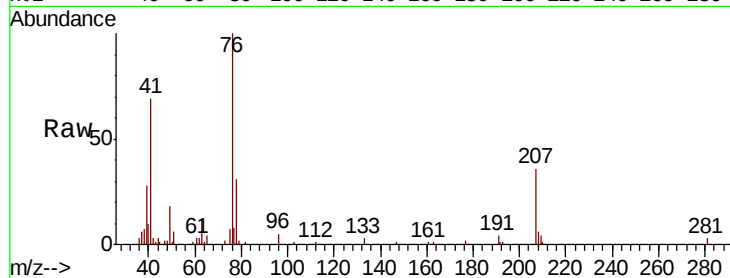
ClientSampled :

Tot Ion: 76 Resp: 42499

Ion Ratio Lower Upper

76 100

78 31.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

25000

20000

15000

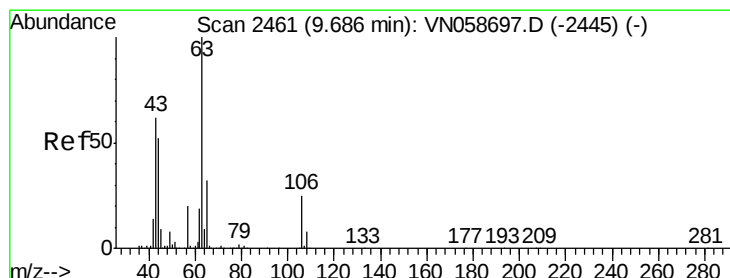
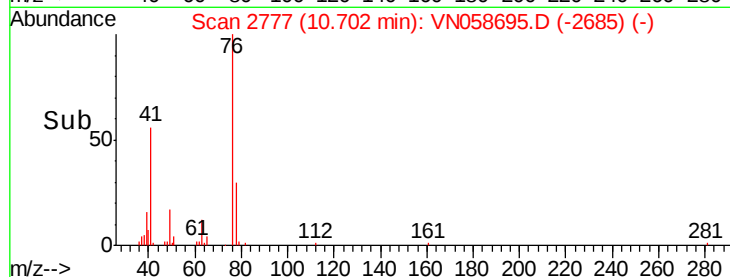
10000

5000

0

10.65 10.70 10.75

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 27.718 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058695.D

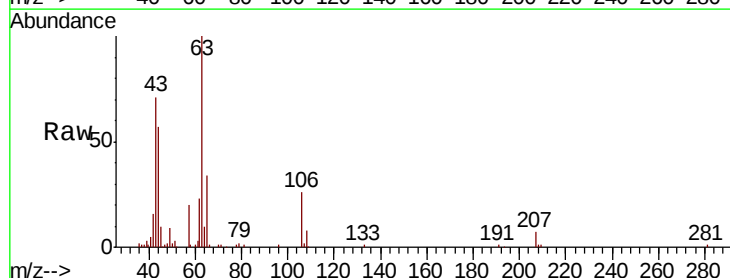
Acq: 11 Oct 2019 11:52

Tgt Ion: 63 Resp: 76739

Ion Ratio Lower Upper

63 100

106 25.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

50000

40000

30000

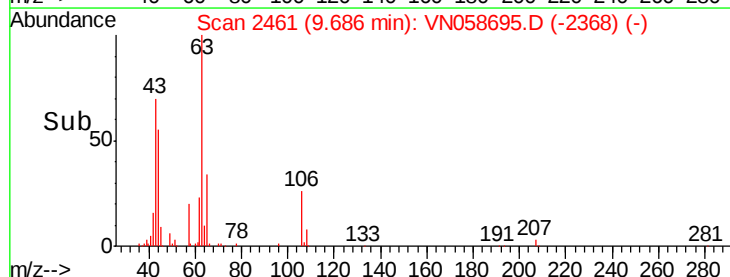
20000

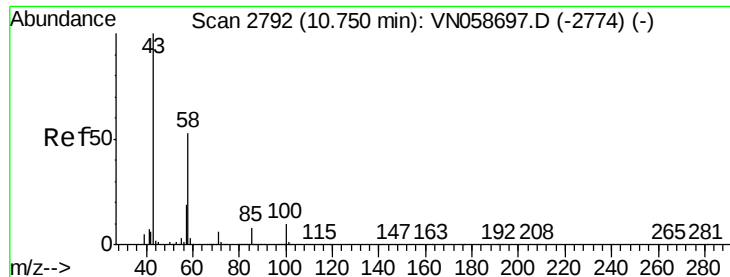
10000

0

9.60 9.65 9.70 9.75

Time-->

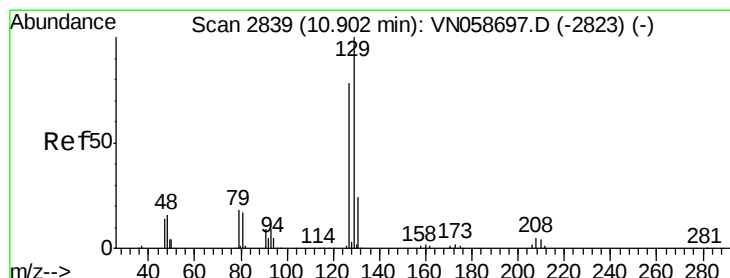
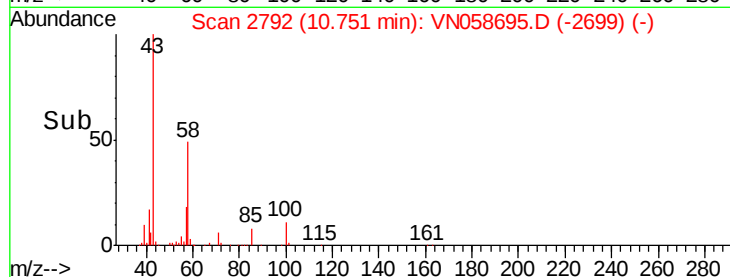
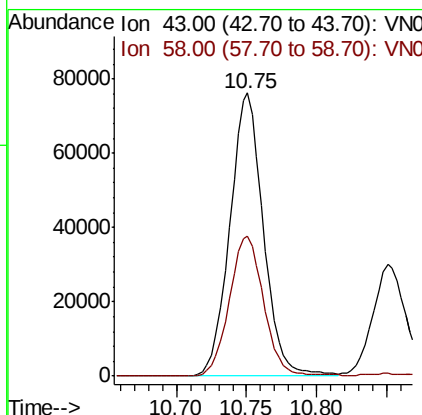
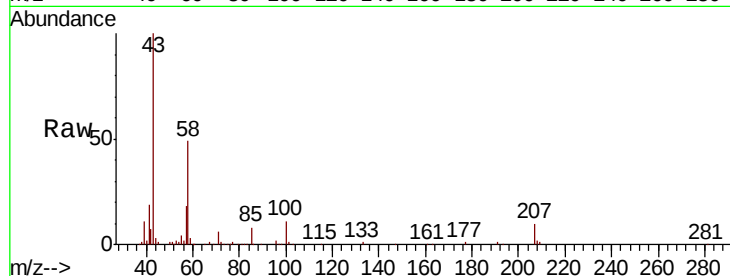




#59
2-Hexanone
Concen: 30.234 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

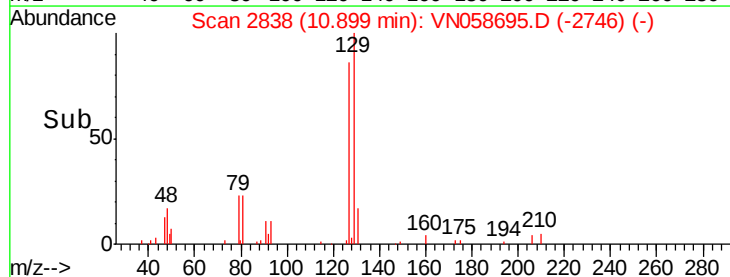
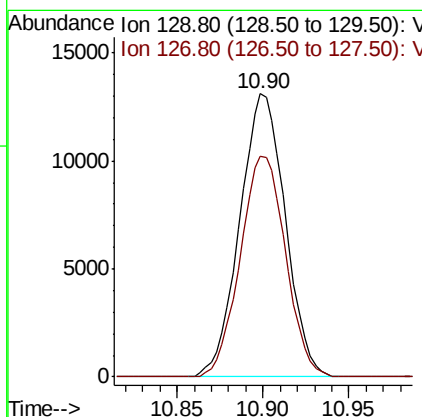
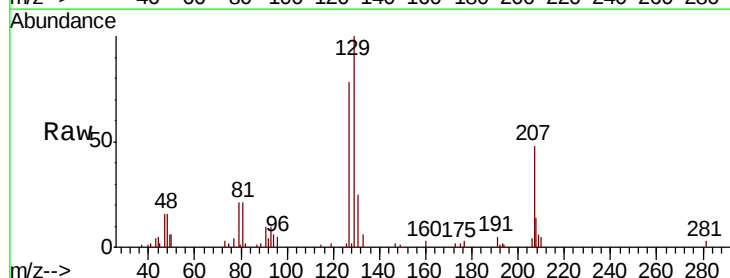
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 125379
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.3



#60
Dibromochloromethane
Concen: 5.687 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 129 Resp: 24044
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3

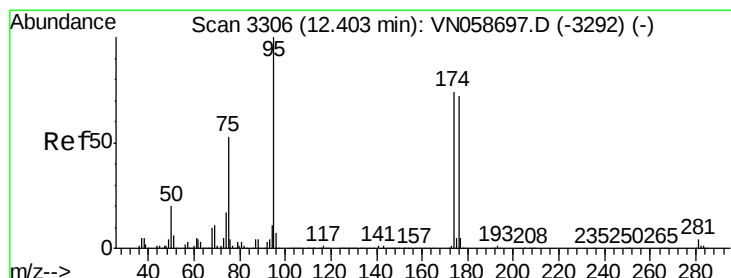
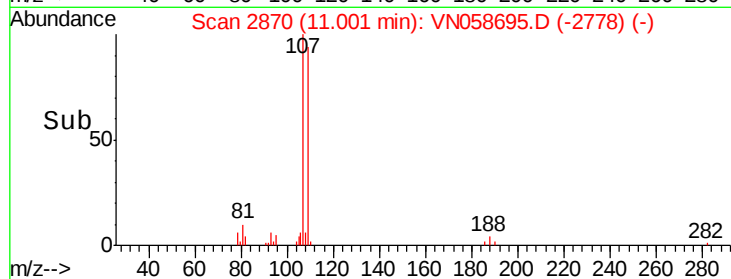
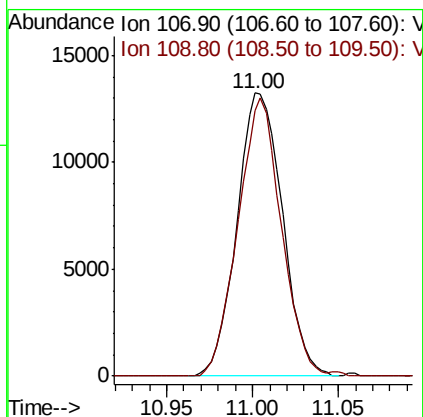
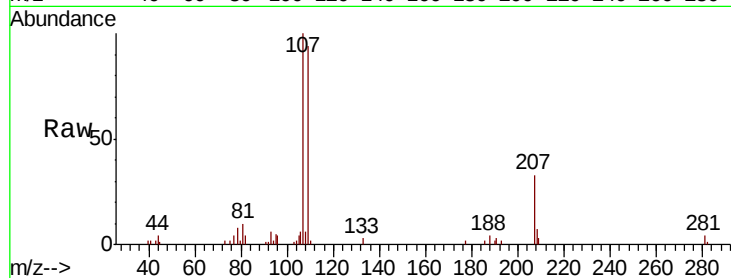




#61
 1,2-Dibromoethane
 Concen: 5.404 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

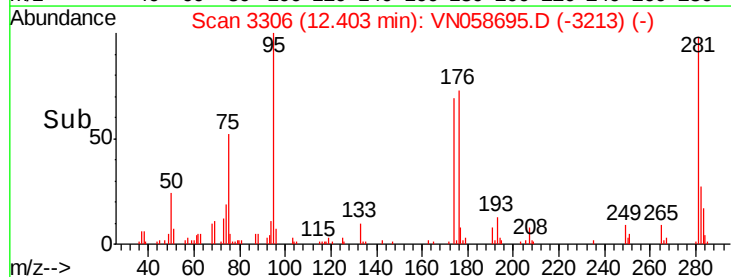
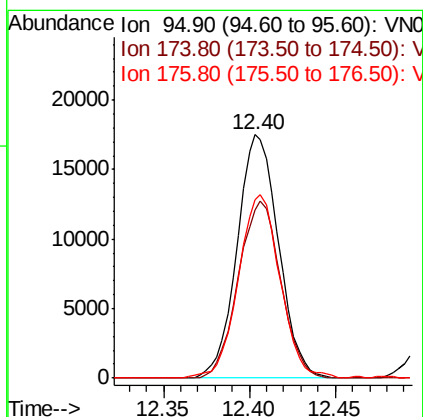
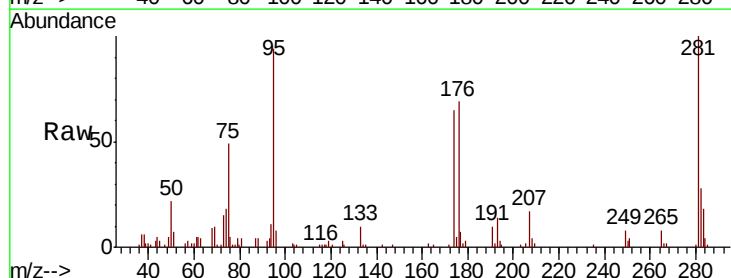
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 24273
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 4.853 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 95 Resp: 29321
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.4
 176 75.9 0.0 146.8

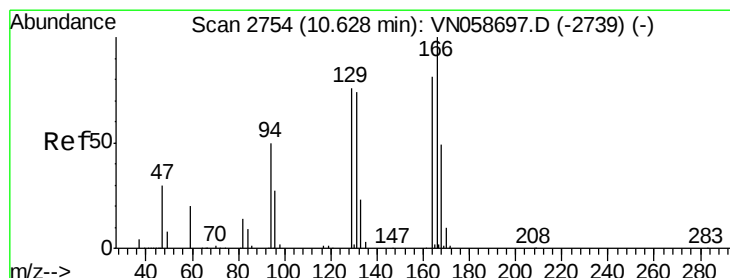
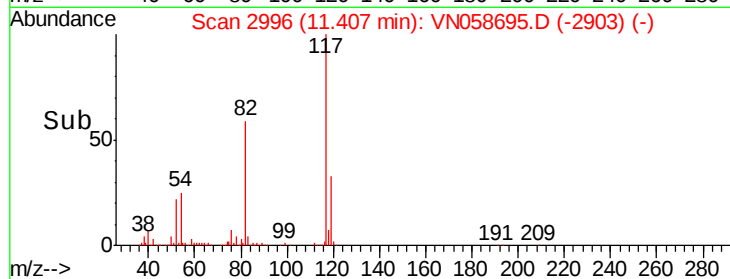
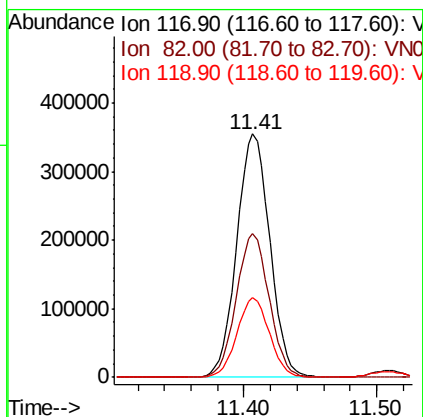
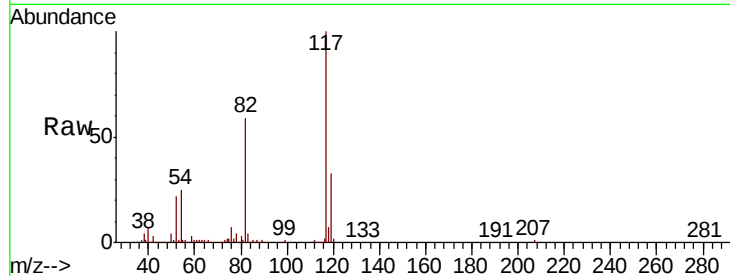




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

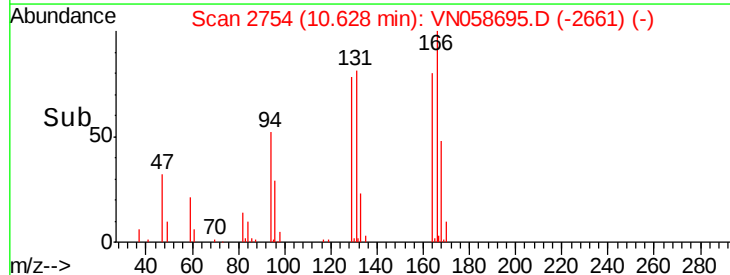
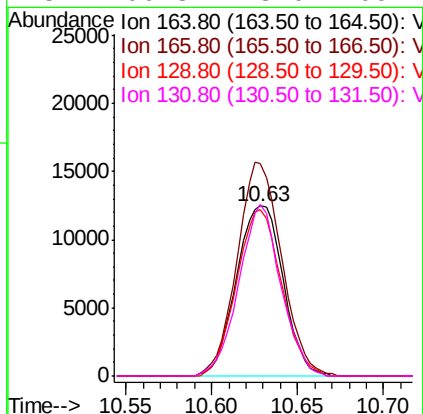
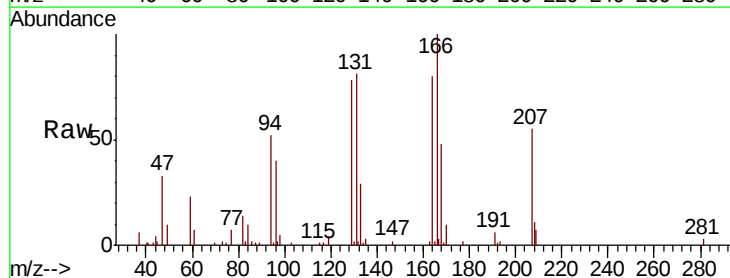
Instrument :
MSVOA_N
ClientSampled :

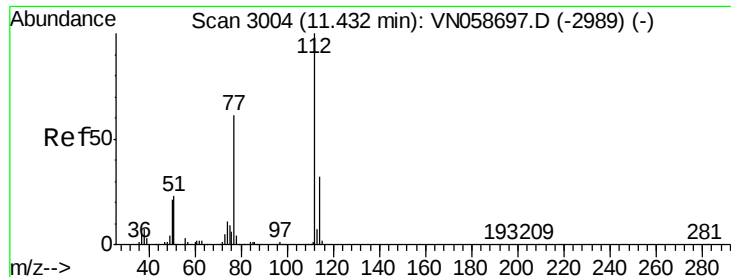
Tot Ion:117 Resp: 616215
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 5.928 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion:164 Resp: 23498
Ion Ratio Lower Upper
164 100
166 125.2 99.3 148.9
129 97.7 75.2 112.8
131 100.8 73.0 109.4

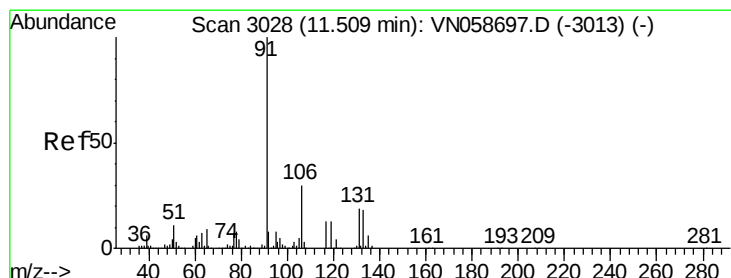
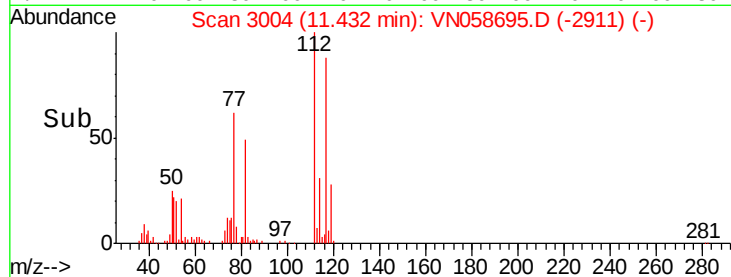
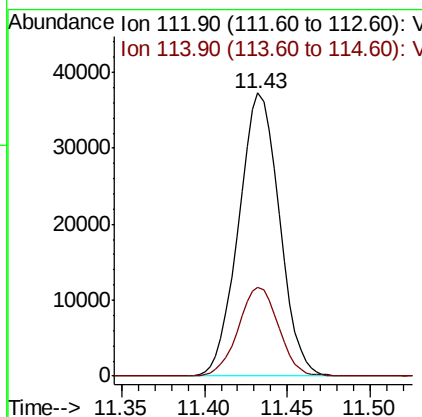
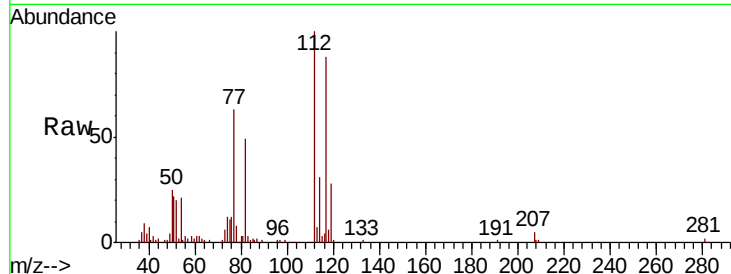




#65
Chlorobenzene
Concen: 5.219 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

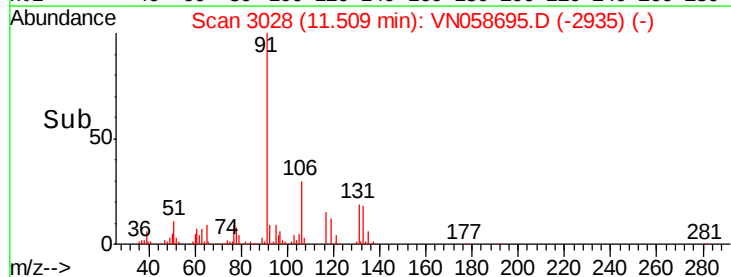
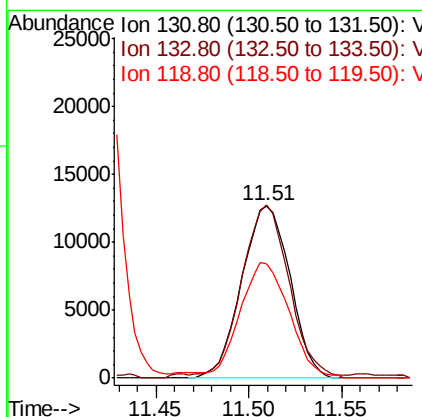
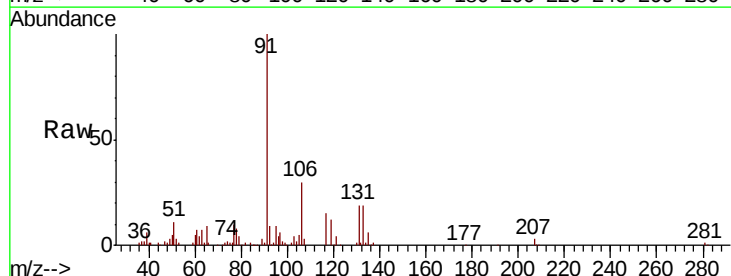
Instrument :
MSVOA_N
ClientSampled :

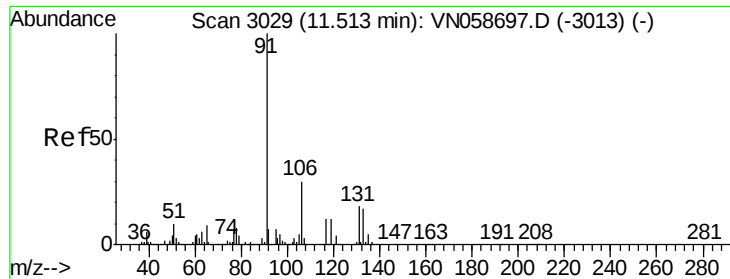
Tot Ion:112 Resp: 63983
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.507 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion:131 Resp: 22983
Ion Ratio Lower Upper
131 100
133 100.3 47.6 142.9
119 68.2 33.0 98.9

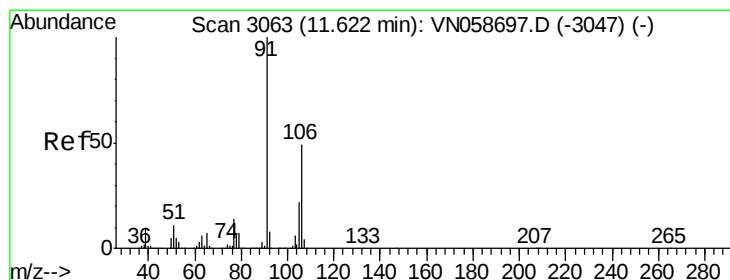
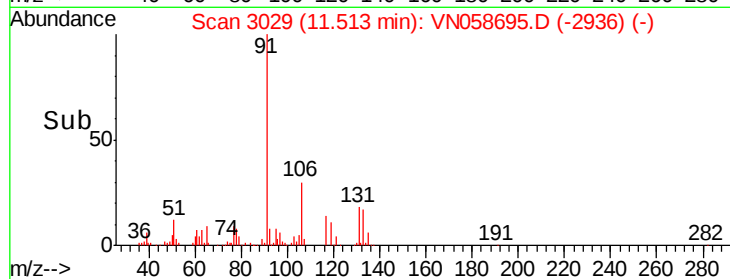
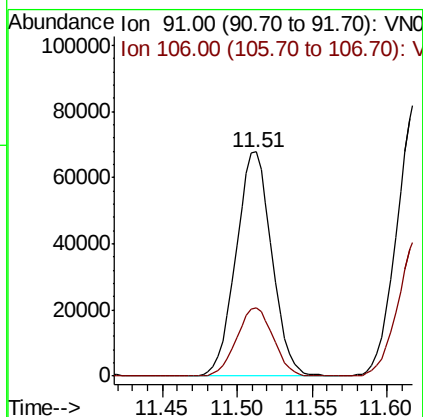
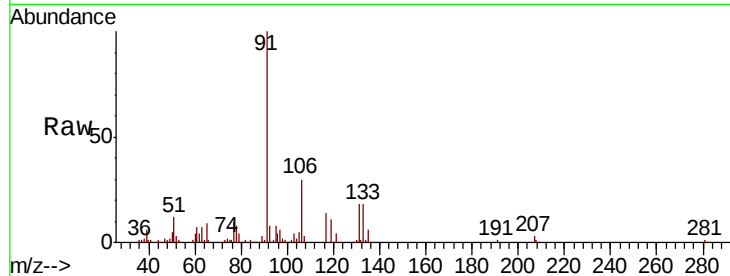




#67
Ethyl Benzene
Concen: 5.080 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

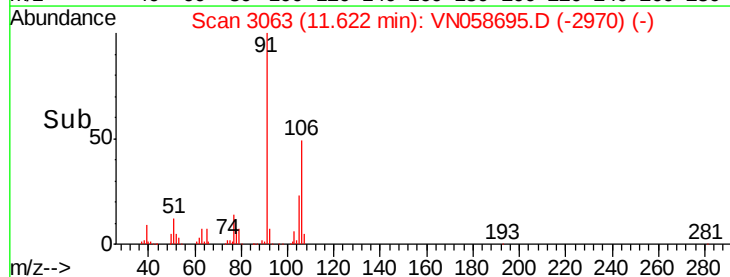
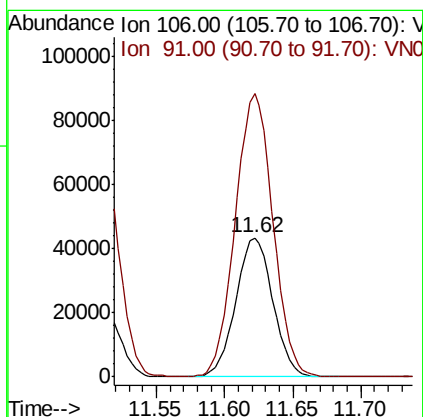
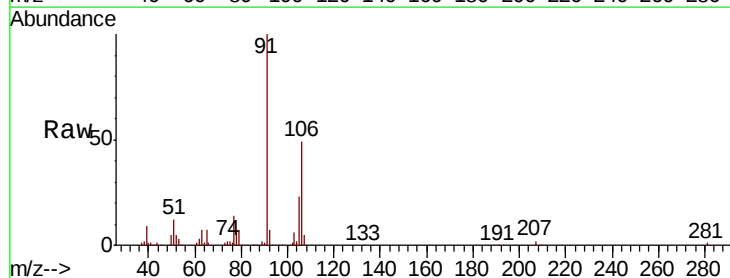
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 112969
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1



#68
m/p-Xylenes
Concen: 9.759 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion: 106 Resp: 81669
Ion Ratio Lower Upper
106 100
91 207.7 165.7 248.5

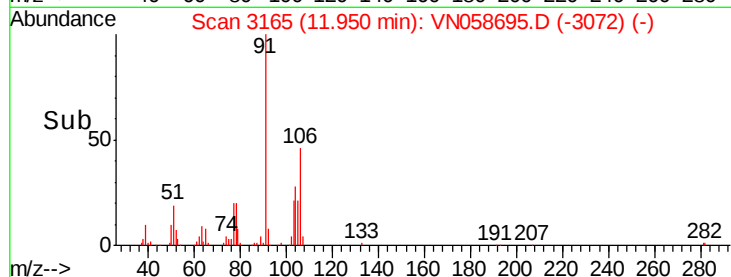
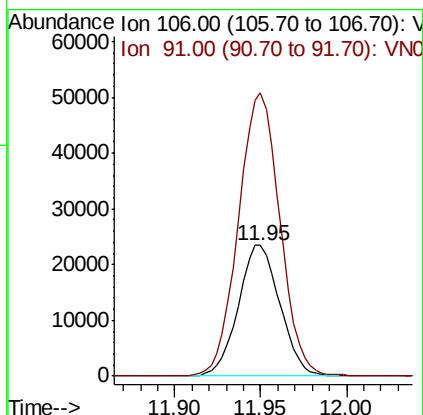
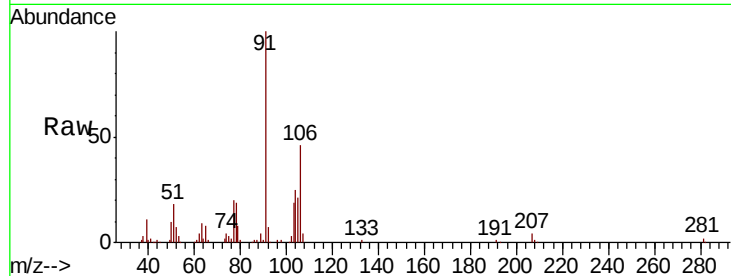




#69
o-Xylene
Concen: 4.900 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

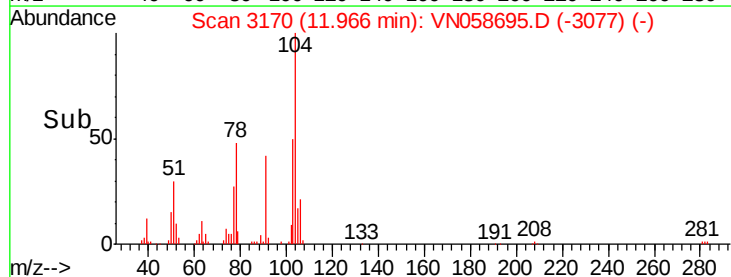
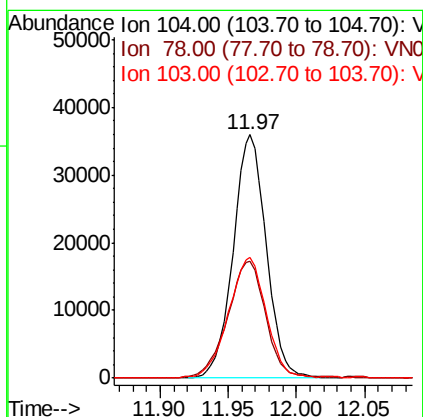
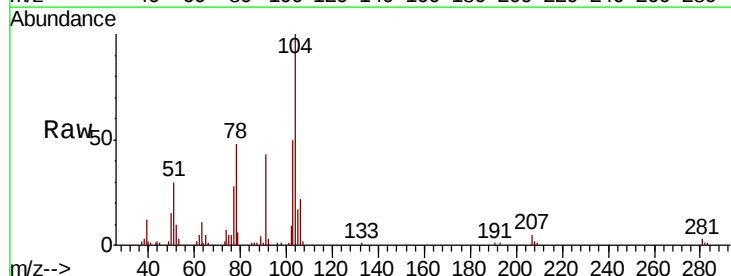
Instrument :
MSVOA_N
ClientSampled :

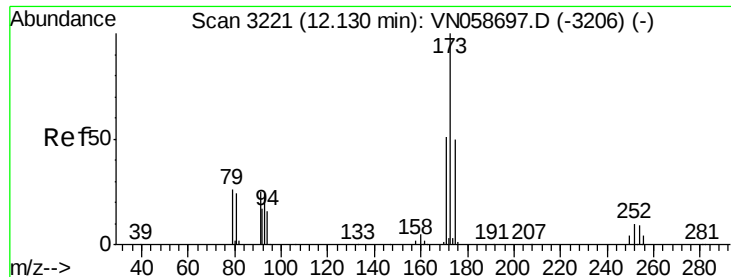
Tot Ion:106 Resp: 39362
Ion Ratio Lower Upper
106 100
91 216.4 110.9 332.9



#70
Styrene
Concen: 4.644 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058695.D
Acq: 11 Oct 2019 11:52

Tgt Ion:104 Resp: 60611
Ion Ratio Lower Upper
104 100
78 55.0 42.2 63.2
103 56.2 43.7 65.5





#71

Bromoform

Concen: 5.994 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

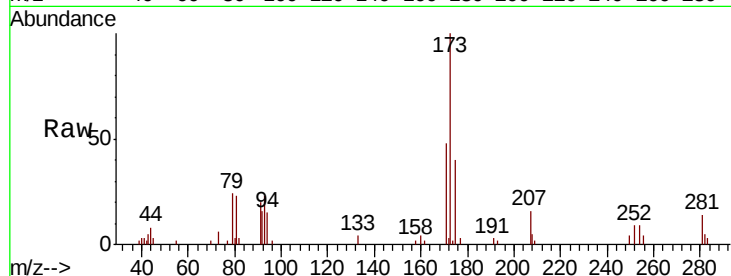
Tot Ion:173 Resp: 15999

Ion Ratio Lower Upper

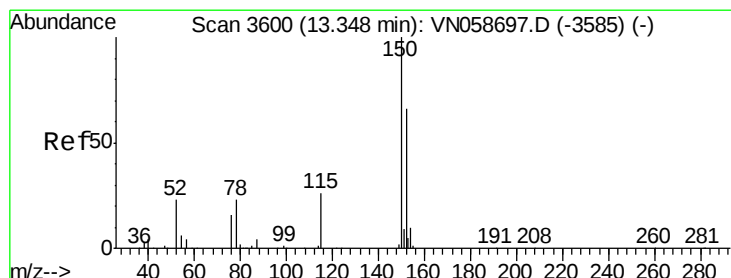
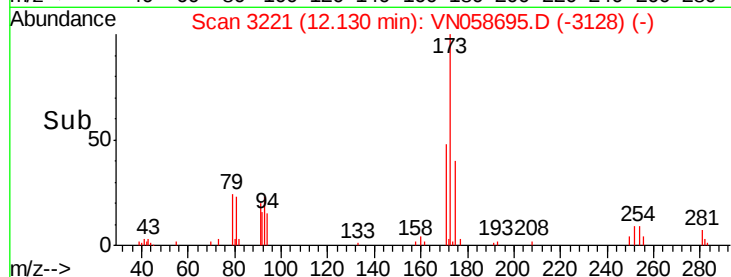
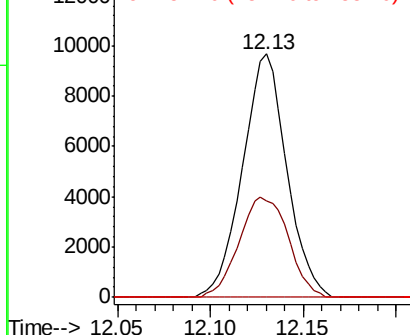
173 100

175 46.0 24.6 73.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

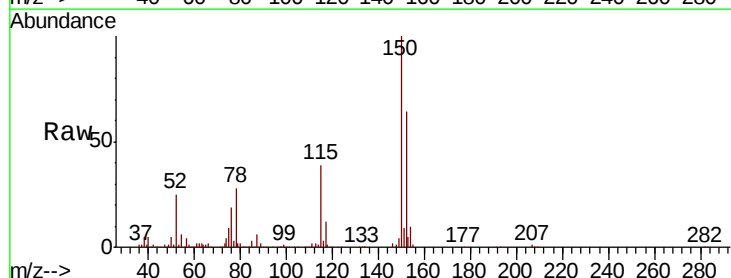
Tgt Ion:152 Resp: 281098

Ion Ratio Lower Upper

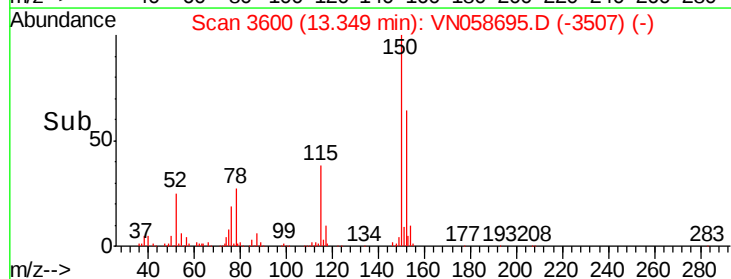
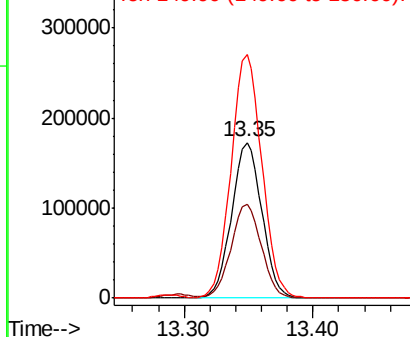
152 100

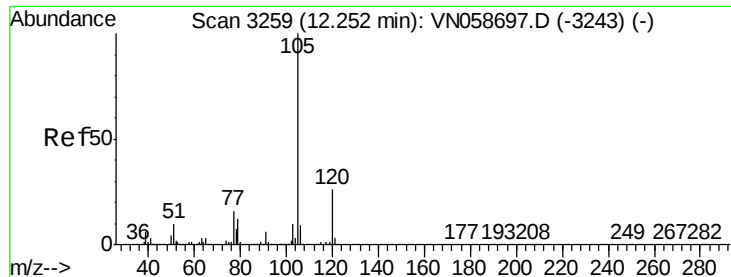
115 60.2 30.4 91.2

150 158.5 0.0 345.4



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: 5.112 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

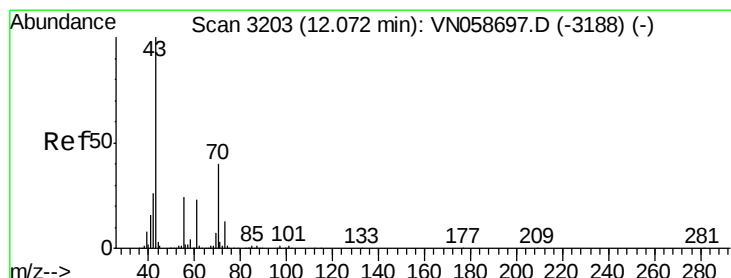
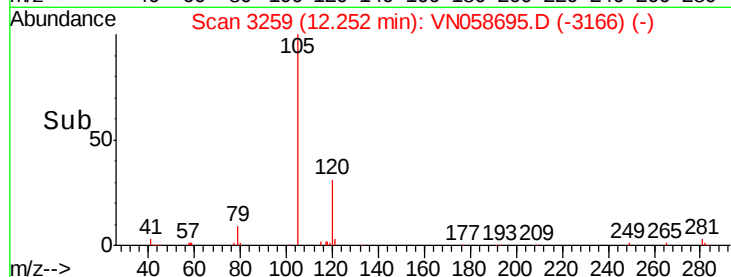
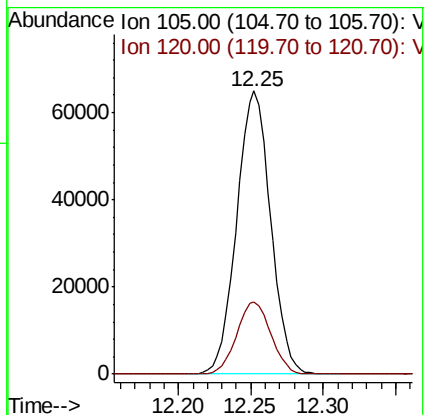
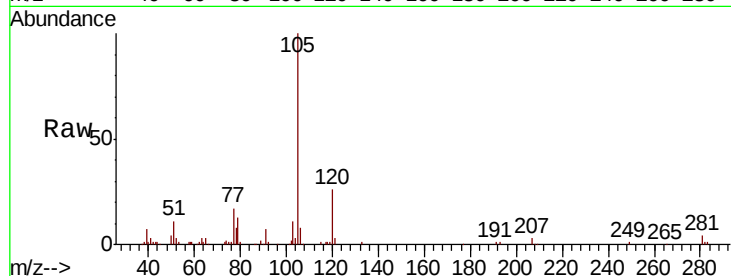
ClientSampleId :

Tot Ion: 105 Resp: 105663

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1



#74

N-ethyl acetate

Concen: 5.168 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Tgt Ion: 43 Resp: 43343

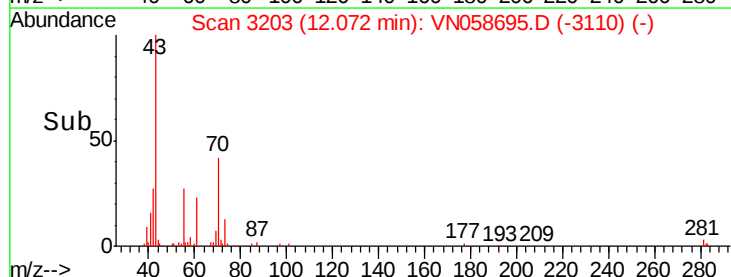
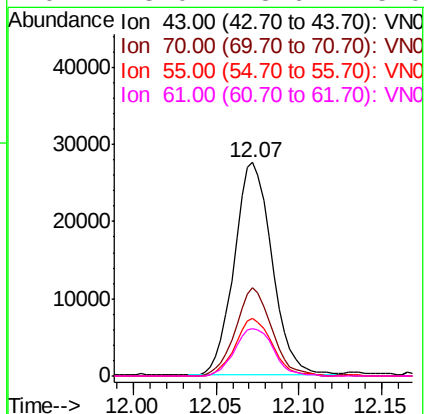
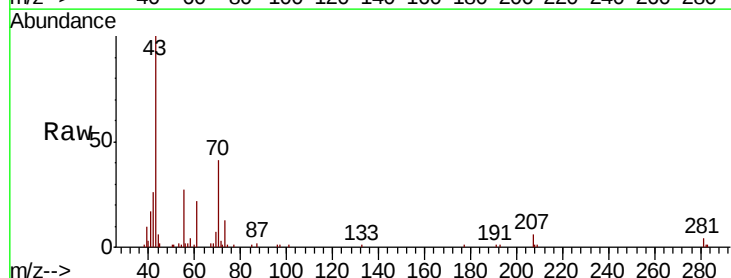
Ion Ratio Lower Upper

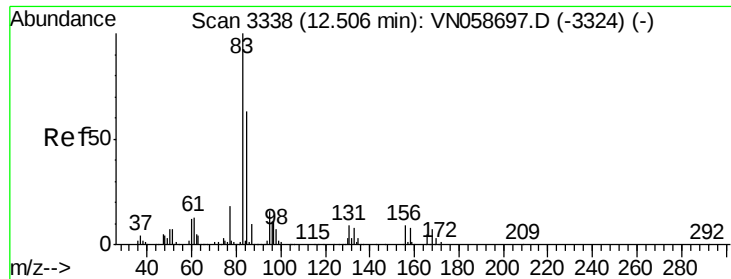
43 100

70 39.9 32.2 48.4

55 26.7 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.701 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampled :

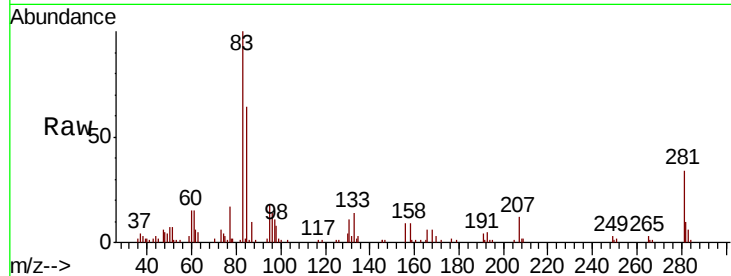
Tot Ion: 83 Resp: 35487

Ion Ratio Lower Upper

83 100

131 11.4 4.8 14.4

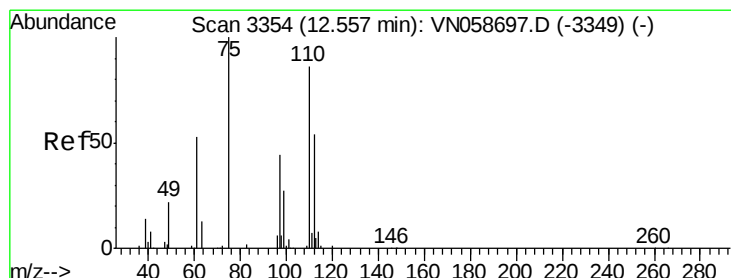
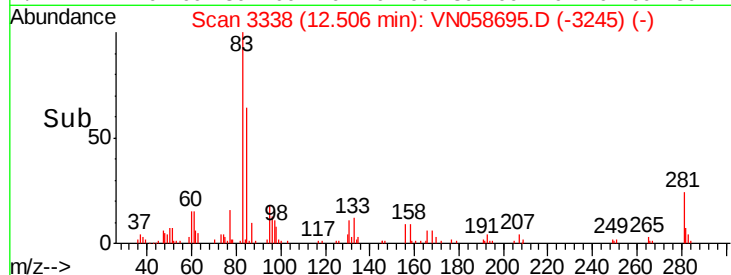
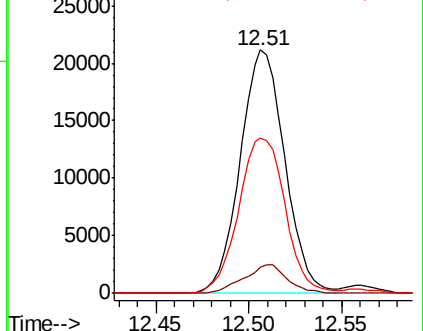
85 66.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 8.906 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058695.D

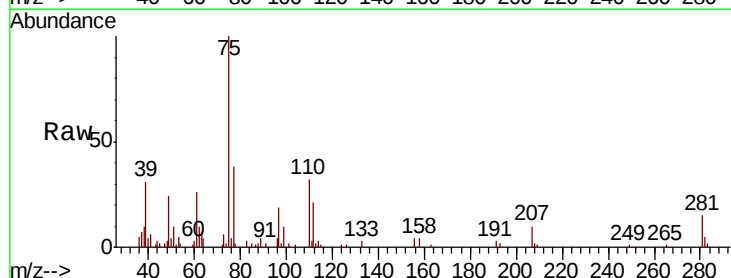
Acq: 11 Oct 2019 11:52

Tgt Ion: 75 Resp: 46610

Ion Ratio Lower Upper

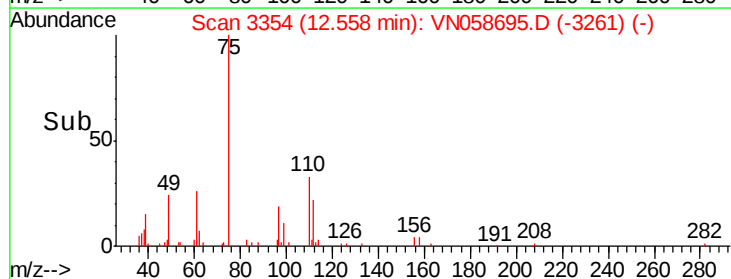
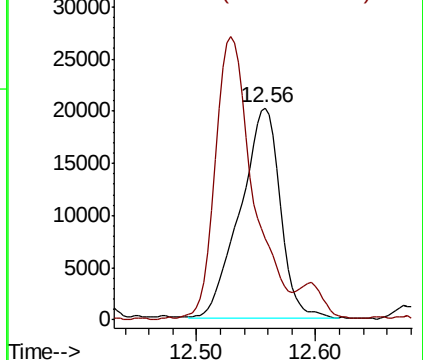
75 100

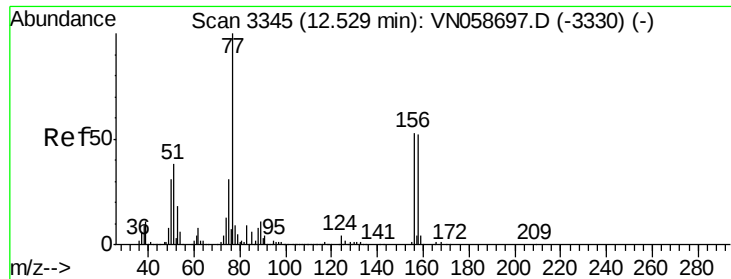
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.383 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

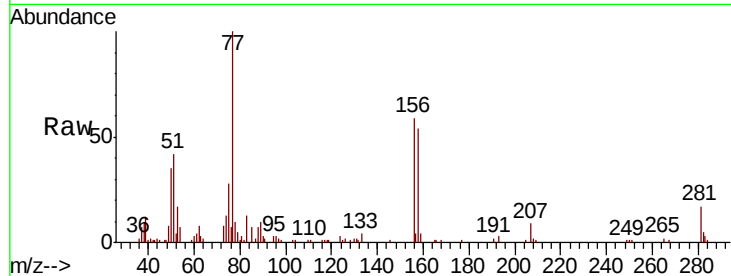
Tot Ion:156 Resp: 26176

Ion Ratio Lower Upper

156 100

77 224.6 115.8 347.3

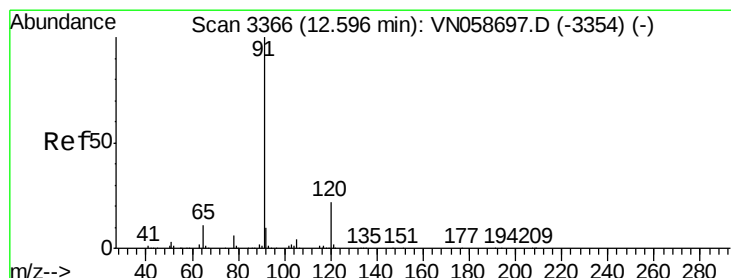
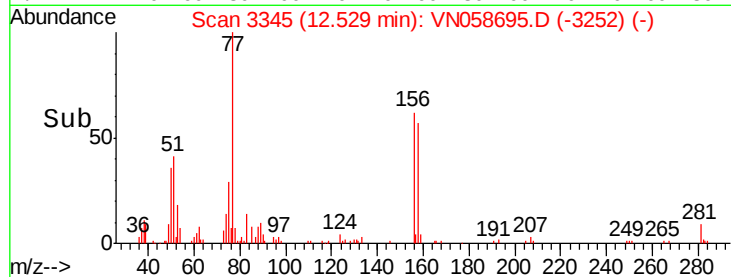
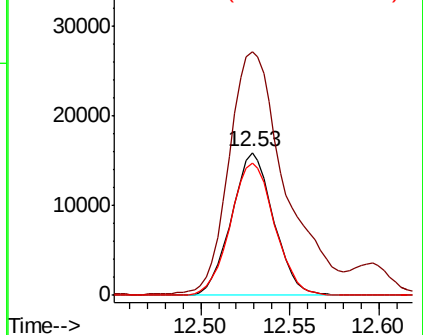
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.294 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058695.D

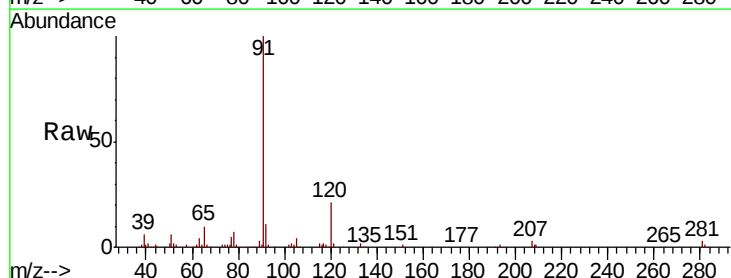
Acq: 11 Oct 2019 11:52

Tgt Ion: 91 Resp: 123802

Ion Ratio Lower Upper

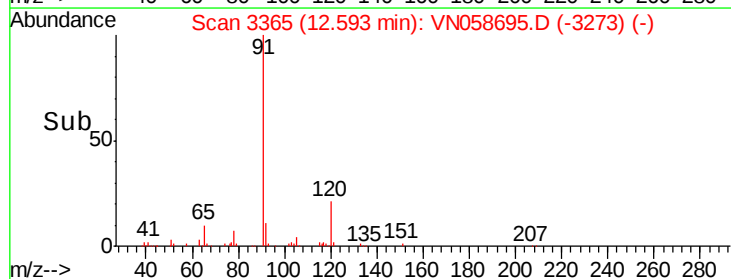
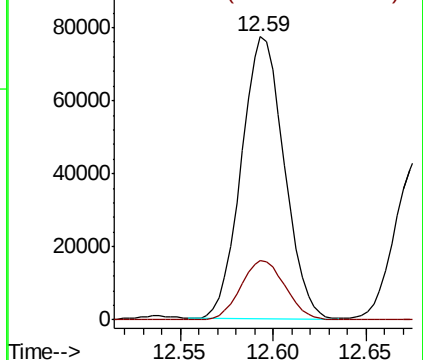
91 100

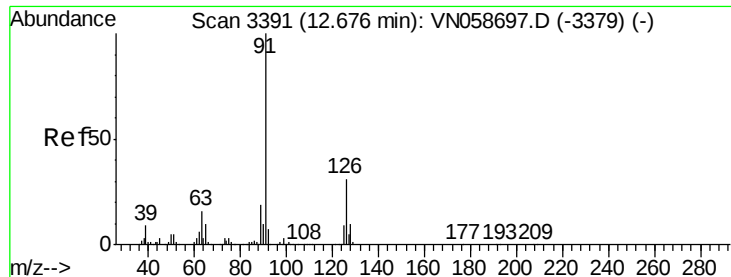
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

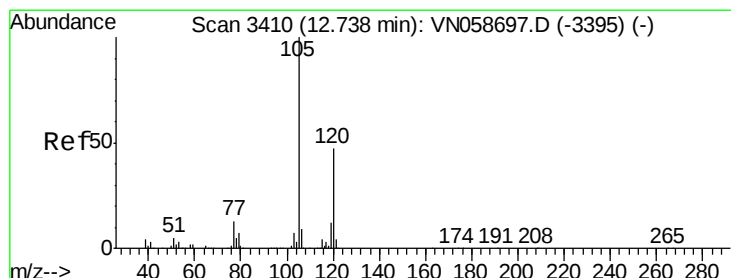
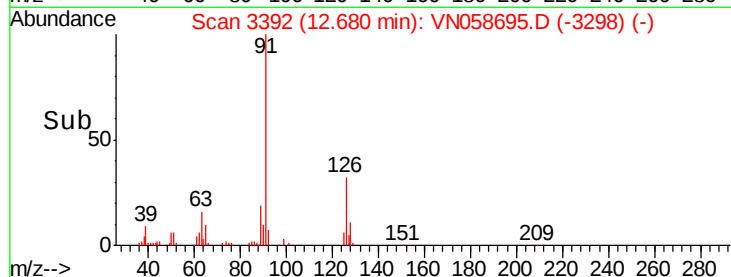
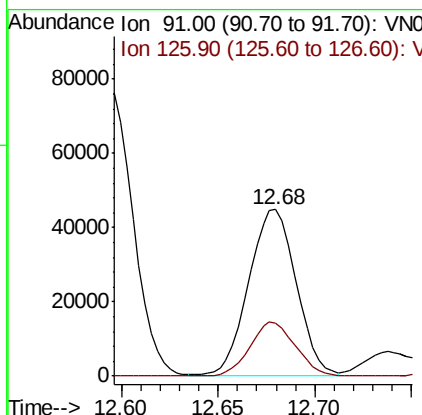
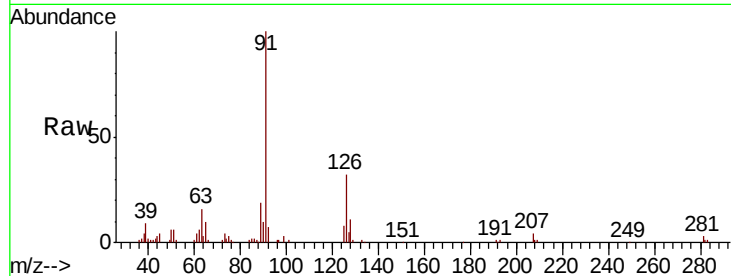




#79
 2-Chlorotoluene
 Concen: 5.268 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

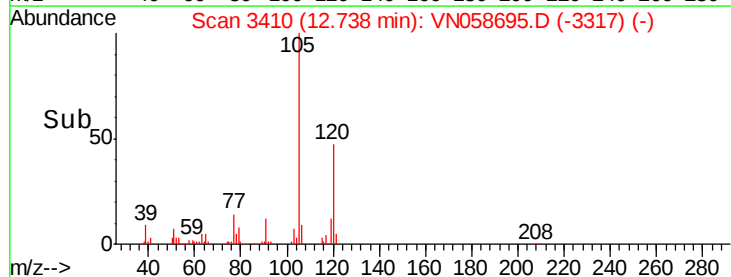
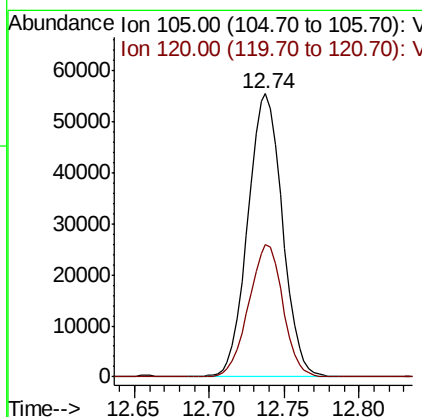
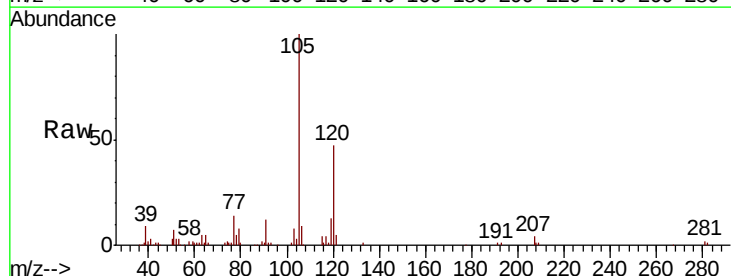
Instrument :
 MSVOA_N
 ClientSampleId :

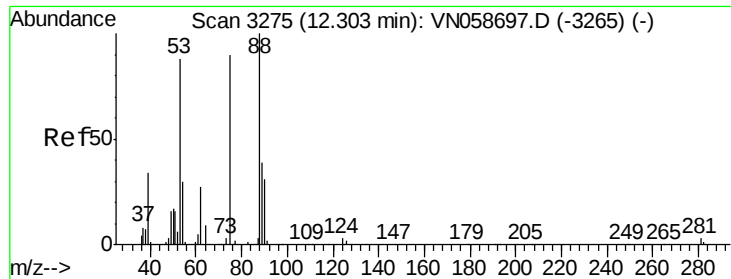
Tot Ion: 91 Resp: 75978
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 5.149 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion: 105 Resp: 89357
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.884 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

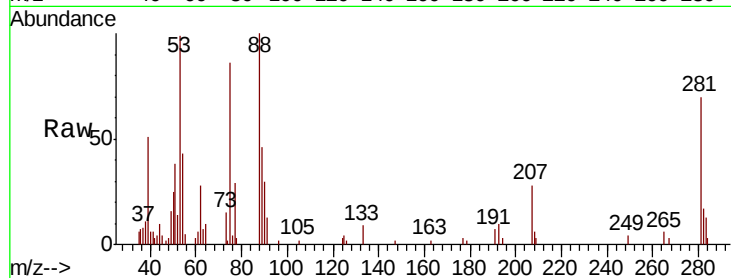
Tot Ion: 75 Resp: 10556

Ion Ratio Lower Upper

75 100

53 114.1 78.4 117.6

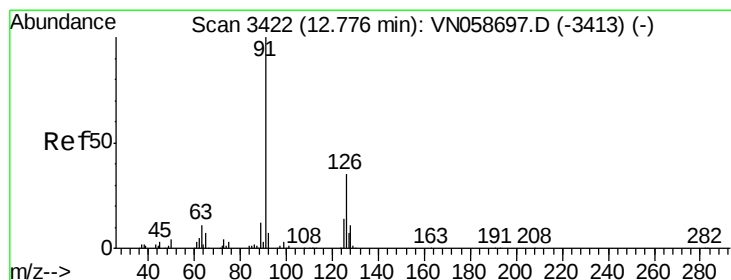
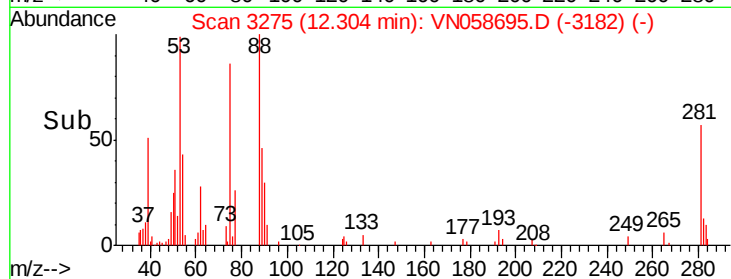
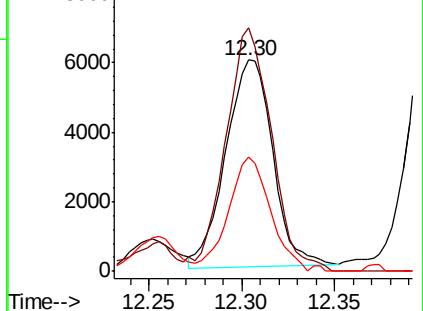
89 49.2 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.214 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058695.D

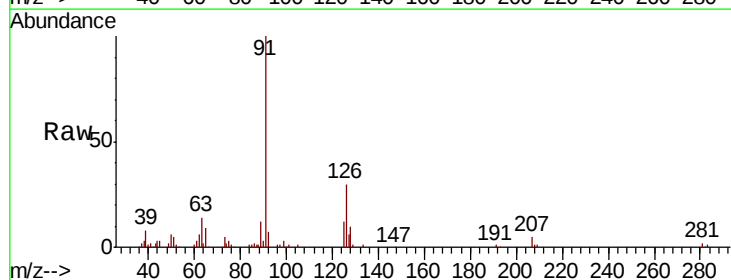
Acq: 11 Oct 2019 11:52

Tgt Ion: 91 Resp: 76920

Ion Ratio Lower Upper

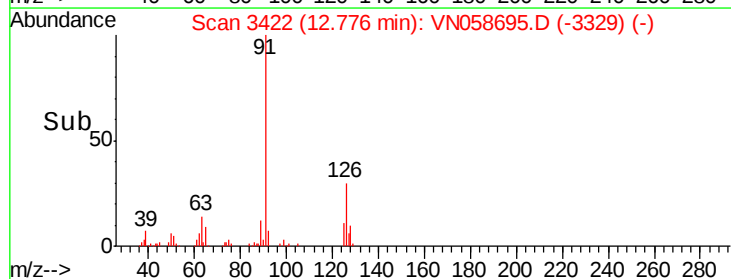
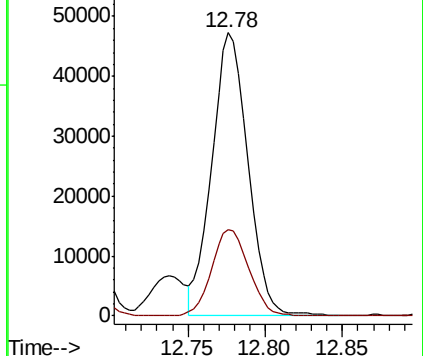
91 100

126 31.2 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.171 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

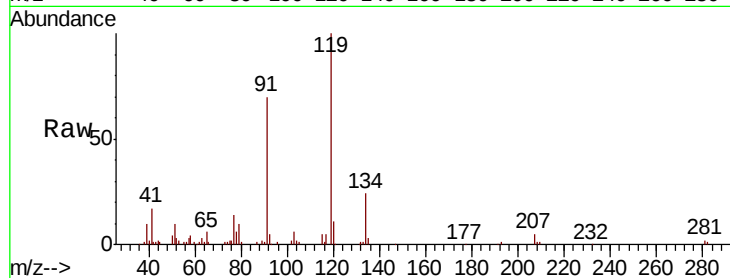
Tot Ion:119 Resp: 75736

Ion Ratio Lower Upper

119 100

91 69.5 33.8 101.3

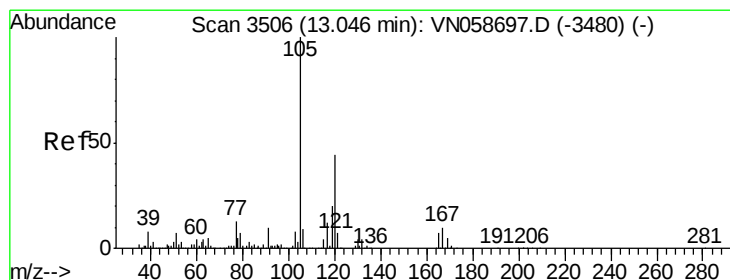
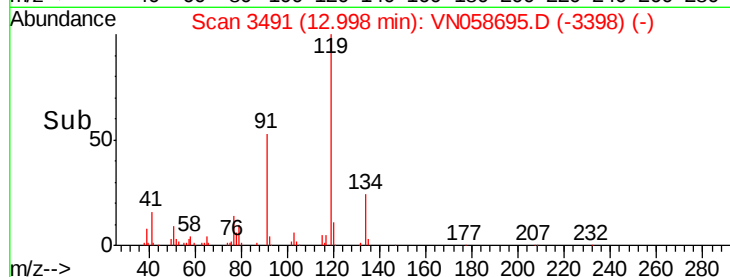
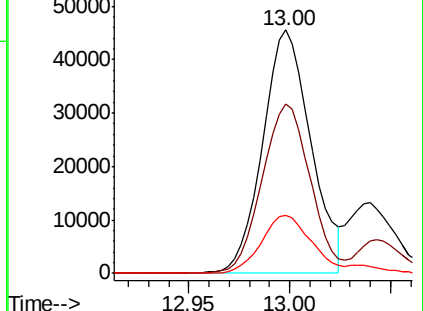
134 24.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.023 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058695.D

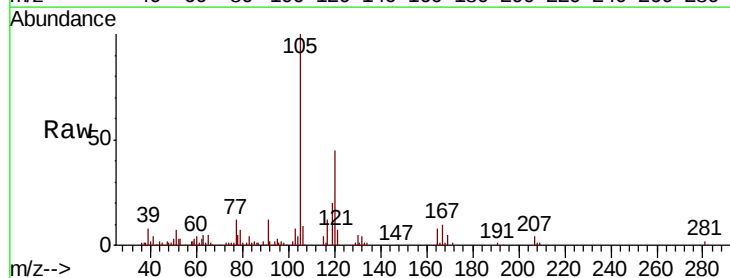
Acq: 11 Oct 2019 11:52

Tgt Ion:105 Resp: 87342

Ion Ratio Lower Upper

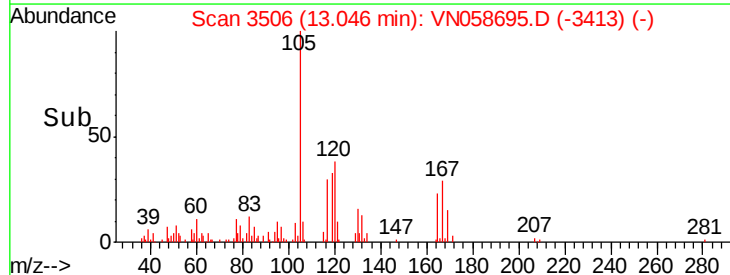
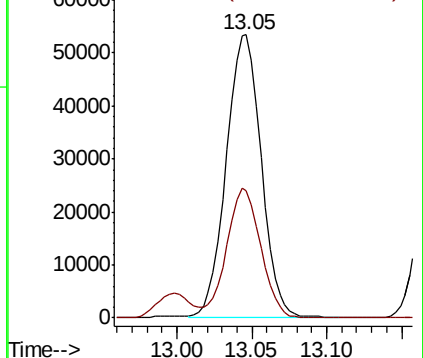
105 100

120 44.2 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.150 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

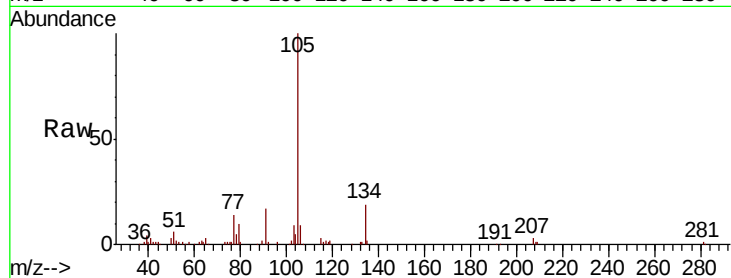
ClientSampled :

Tot Ion:105 Resp: 99613

Ion Ratio Lower Upper

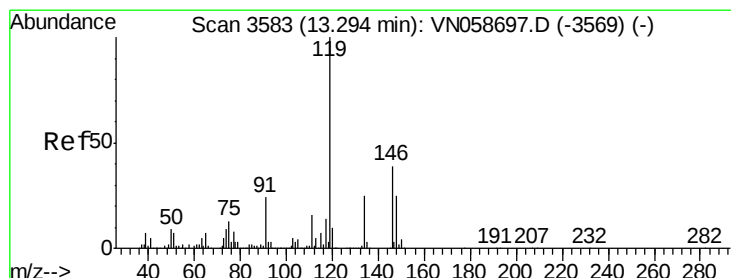
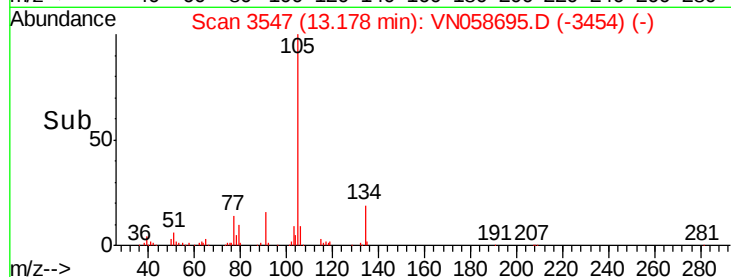
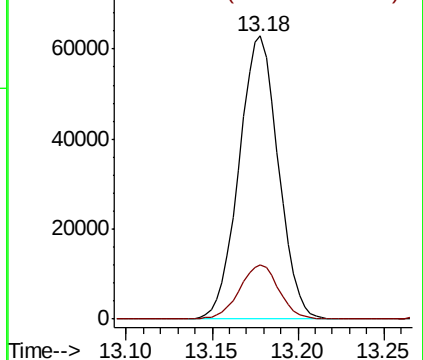
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.121 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

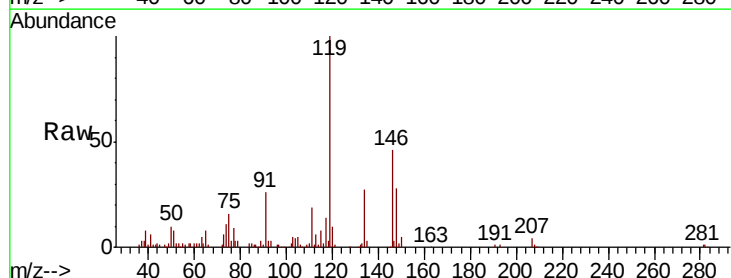
Tgt Ion:119 Resp: 87575

Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

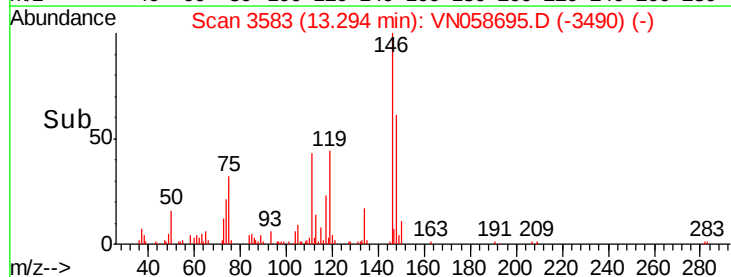
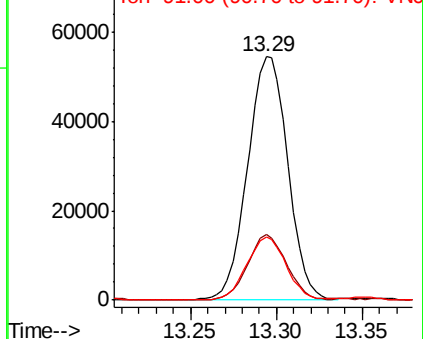
91 25.6 11.9 35.5

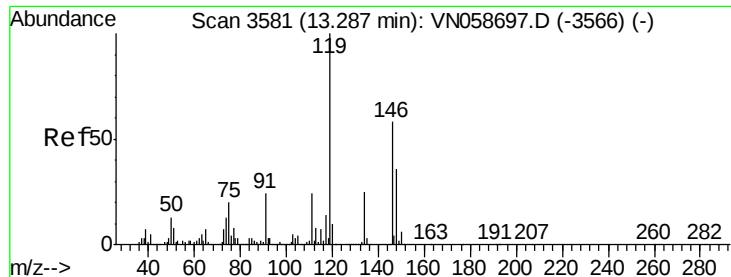


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.214 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058695.D

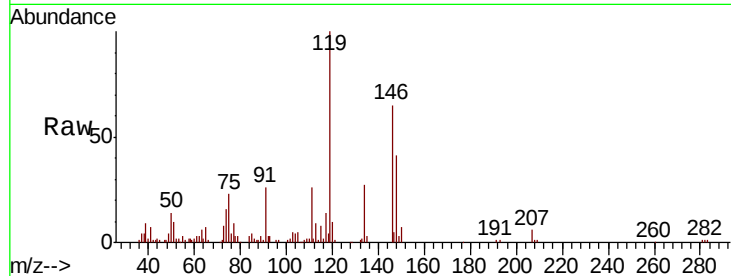
Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampled :

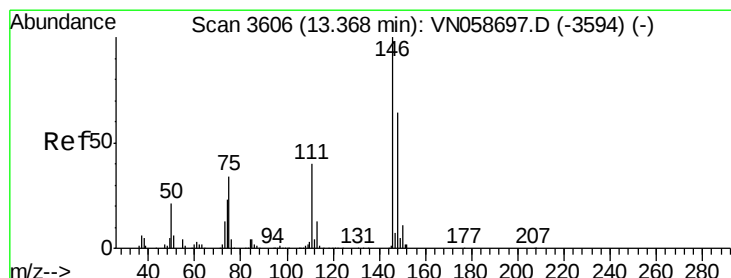
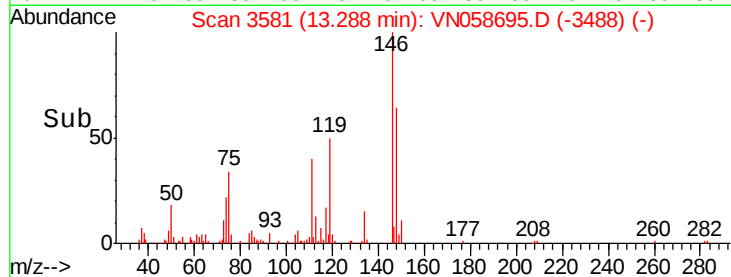
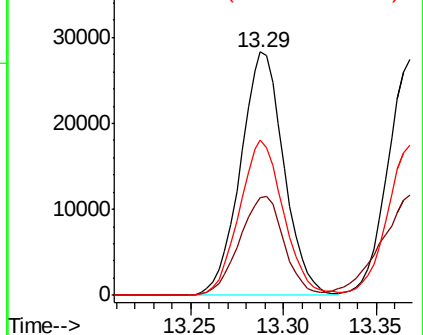
Tot Ion:146	Resp:	46140
Ion Ratio	Lower	Upper
146	100	
111	41.6	20.5 61.6
148	64.9	31.3 93.9



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



#88

1,4-Dichlorobenzene

Concen: 5.344 ug/l

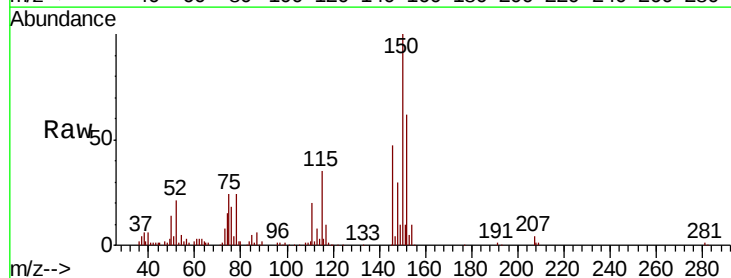
RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

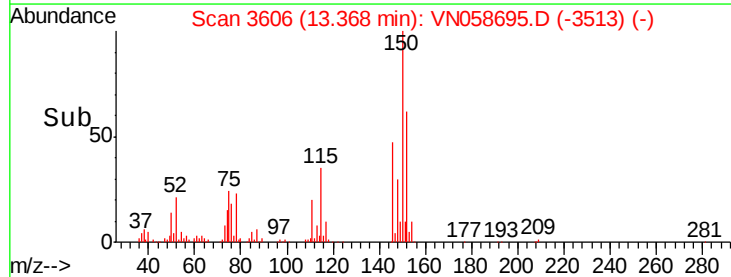
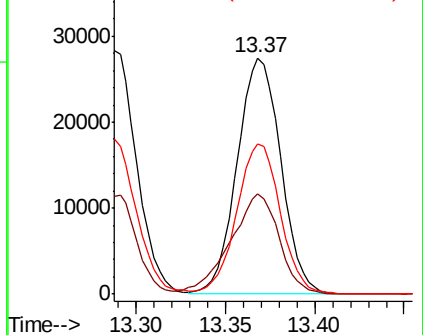
Tgt Ion:146	Resp:	46975
Ion Ratio	Lower	Upper
146	100	
111	47.1	20.1 60.2
148	63.4	31.9 95.7

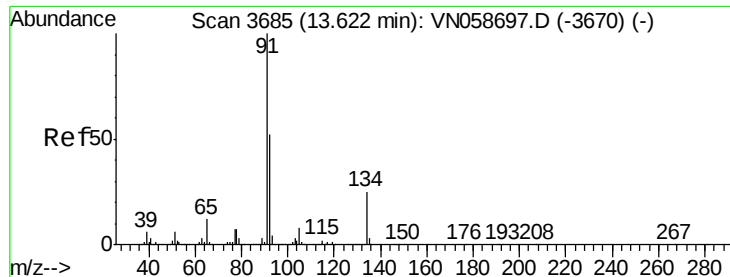


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 5.143 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

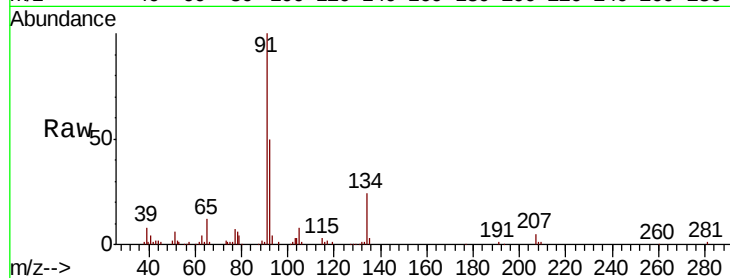
Tot Ion: 91 Resp: 80147

Ion Ratio Lower Upper

91 100

92 49.2 26.0 78.0

134 23.6 12.2 36.6

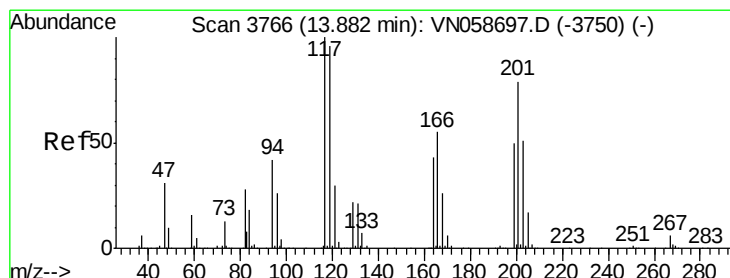
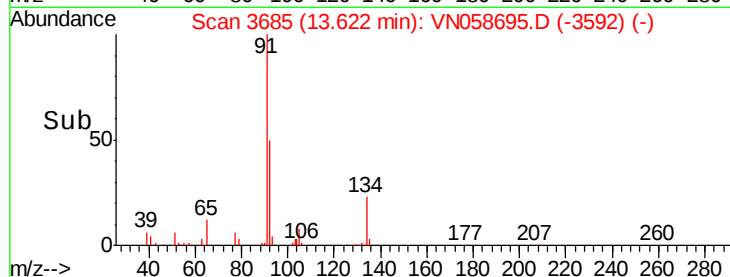


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->



#90

Hexachloroethane

Concen: 6.185 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058695.D

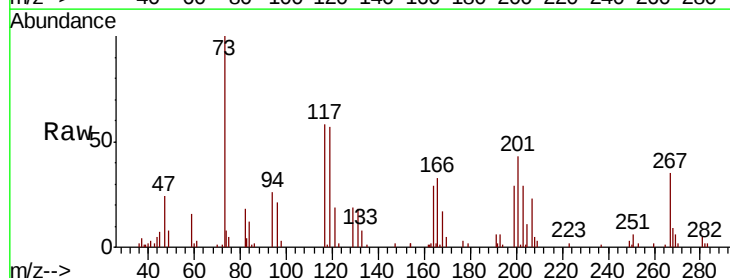
Acq: 11 Oct 2019 11:52

Tgt Ion: 117 Resp: 16253

Ion Ratio Lower Upper

117 100

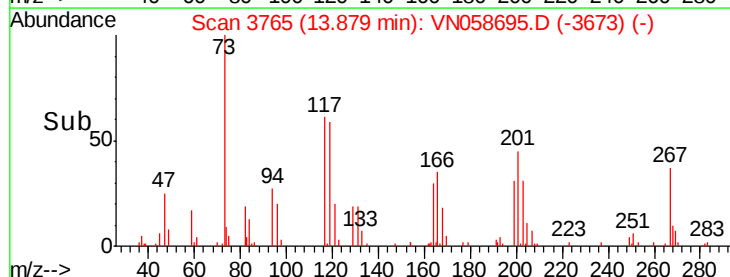
201 73.7 39.6 118.7

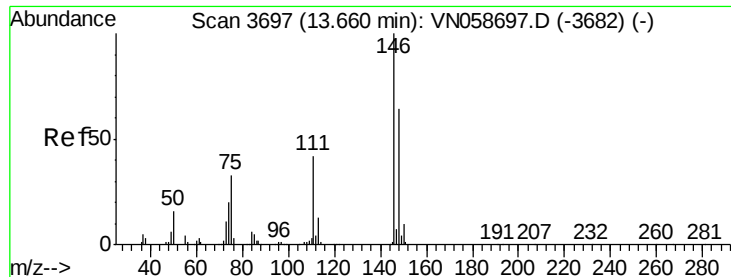


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

Time-->

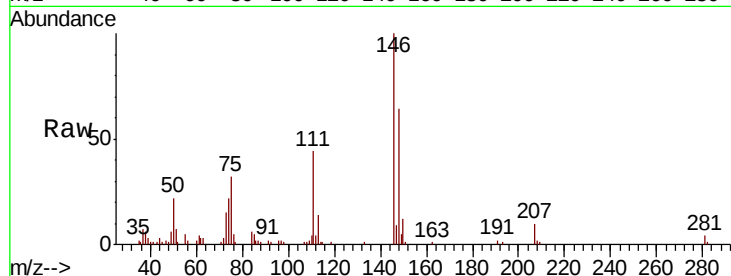




#91
 1,2-Dichlorobenzene
 Concen: 5.303 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.4
148	63.4	31.8	95.3

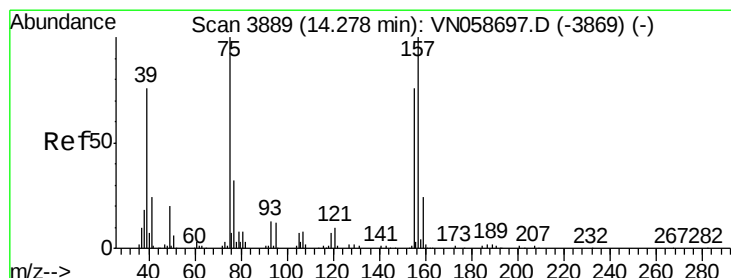
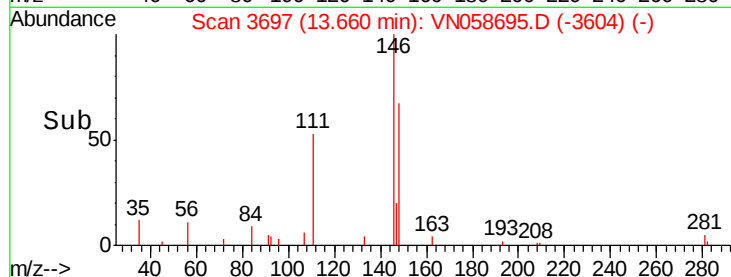
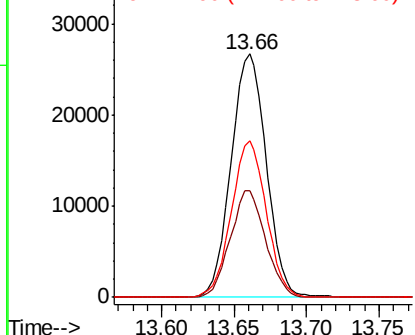


Abundance

Ion 145.90 (145.60 to 146.60): V

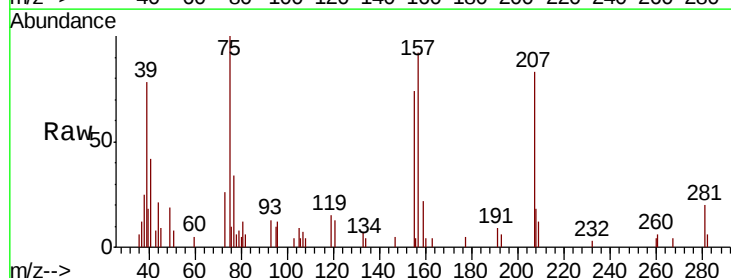
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.095 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	37.9	113.6
157	84.4	49.4	148.2

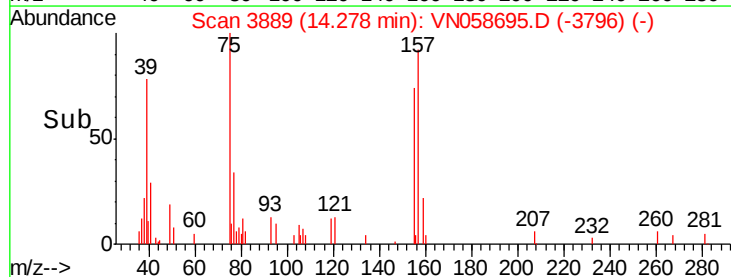
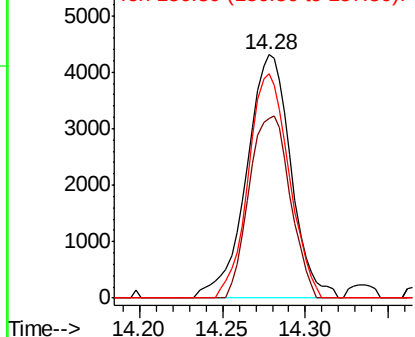


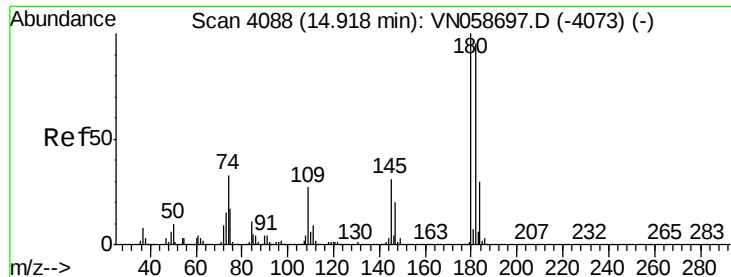
Abundance

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

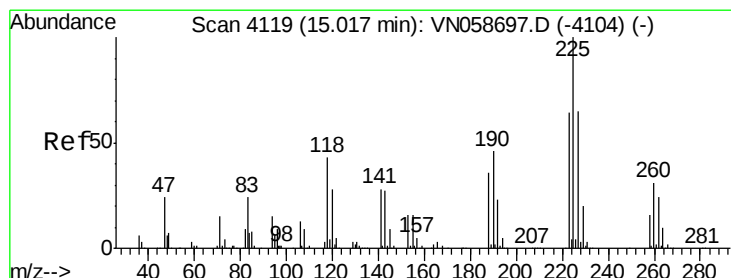
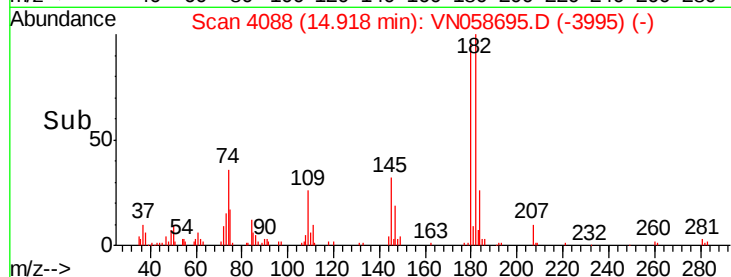
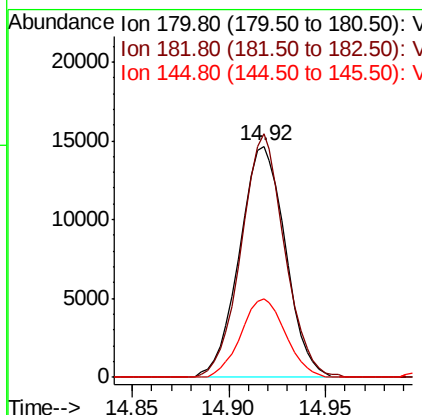
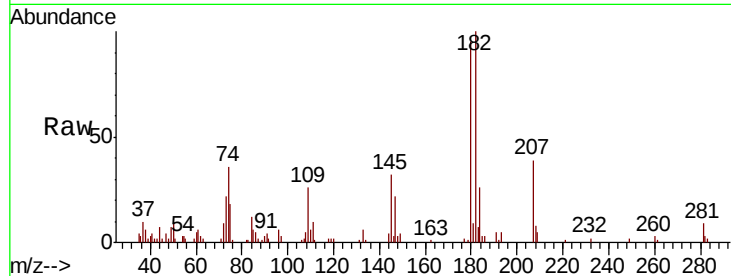




#93
 1,2,4-Trichlorobenzene
 Concen: 5.095 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

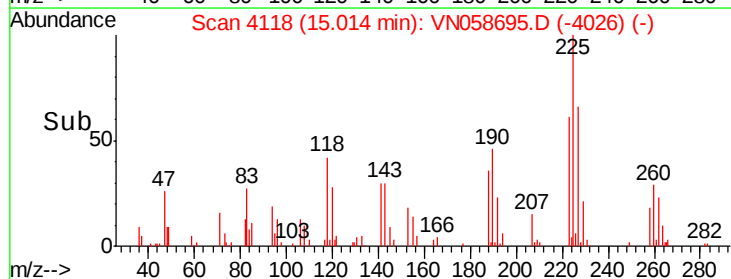
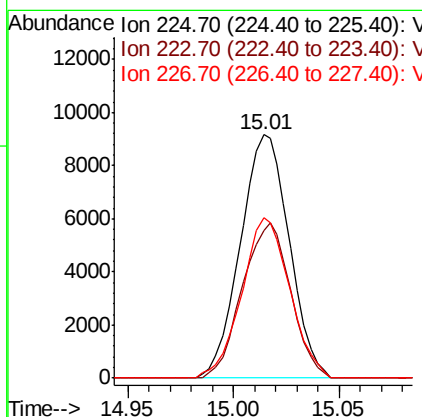
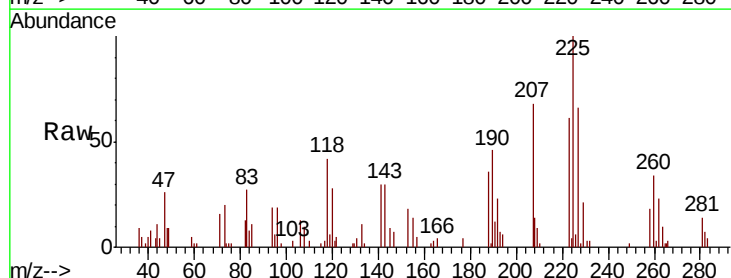
Instrument :
 MSVOA_N
 ClientSampleId :

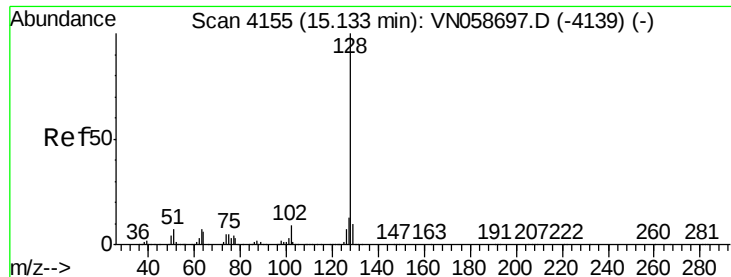
Tot Ion:180 Resp: 24203
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.4 142.2
 145 32.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 5.954 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058695.D
 Acq: 11 Oct 2019 11:52

Tgt Ion:225 Resp: 14731
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.3 96.8
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 5.533 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

Instrument :

MSVOA_N

ClientSampled :

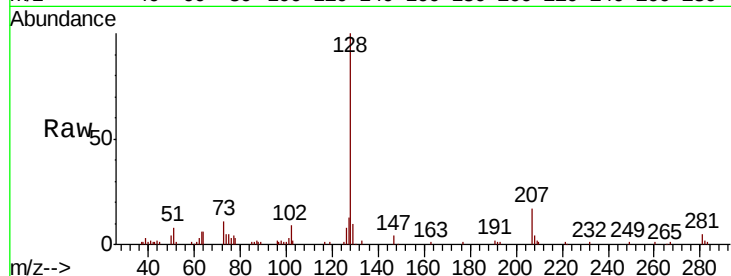
Tot Ion:128 Resp: 69592

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

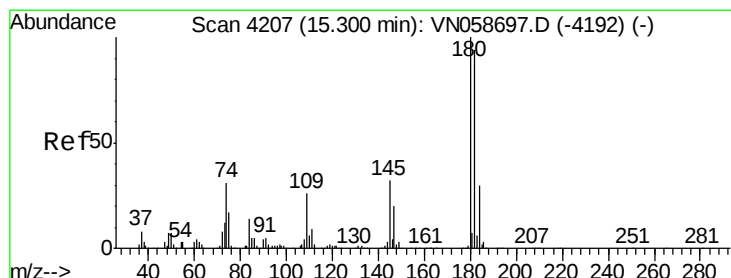
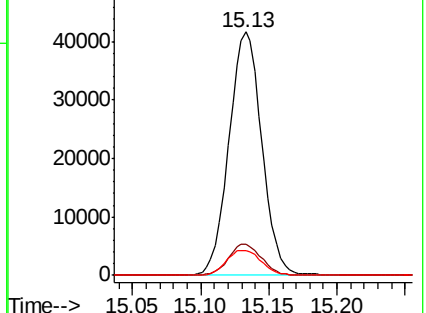
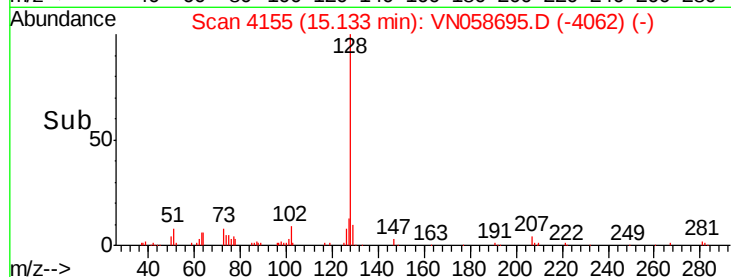
129 11.0 8.5 12.7



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: 5.718 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058695.D

Acq: 11 Oct 2019 11:52

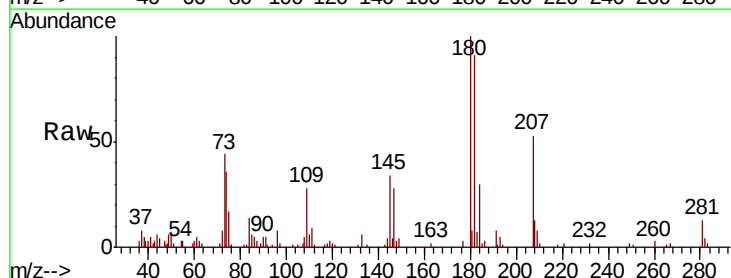
Tgt Ion:180 Resp: 24847

Ion Ratio Lower Upper

180 100

182 92.4 47.3 142.0

145 33.9 16.2 48.6



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

