

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059897.D
 Acq On : 28 Jan 2020 17:19
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 28 22:24:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109633	46.06	ug/l	0.00
Spiked Amount						
			Recovery	=	92.12%	
35) Dibromofluoromethane	7.56	113	94144	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
50) Toluene-d8	10.08	98	380176	50.82	ug/l	0.00
Spiked Amount						
			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	156882	58.18	ug/l	0.00
Spiked Amount						
			Recovery	=	116.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	193	Below Cal	#	43
4) Vinyl Chloride	2.17	62	632	0.225	ug/l #	72
5) Bromomethane	2.55	94	450	0.263	ug/l #	57
10) Methyl Iodide	3.93	142	889	0.293	ug/l #	80
11) Tert butyl alcohol	4.73	59	4162	10.387	ug/l #	73
13) Acrolein	3.58	56	1456	5.133	ug/l	93
15) Acrylonitrile	4.95	53	5018	5.490	ug/l #	91
16) Acetone	3.78	43	9389	1.620	ug/l	99
17) Carbon Disulfide	4.03	76	2683	0.480	ug/l #	75
18) Methyl Acetate	4.29	43	3462	1.245	ug/l #	75
20) Methylene Chloride	4.52	84	846	Below Cal	#	62
25) 2-Butanone	6.80	43	10658	7.907	ug/l	99
29) Tetrahydrofuran	7.18	42	5851	7.016	ug/l #	85
31) Cyclohexane	7.64	56	4318	1.226	ug/l #	2
36) 1,1-Dichloropropene	7.64	75	14135	5.014	ug/l #	50
37) Ethyl Acetate	6.90	43	2106	0.796	ug/l #	71
38) Carbon Tetrachloride	7.64	117	19770	6.446	ug/l #	16
39) Methylcyclohexane	9.07	83	2044	0.588	ug/l	92
41) Methacrylonitrile	7.18	41	4750	3.647	ug/l #	100
43) Isopropyl Acetate	8.15	43	2059	0.453	ug/l #	56
45) 1,2-Dichloropropane	8.98	63	32998	15.860	ug/l #	1
49) 1,4-Dioxane	9.18	88	1974	53.004	ug/l #	79
51) 4-Methyl-2-Pentanone	9.97	43	11234	4.273	ug/l	95
52) Toluene	10.28	92	35332	6.653	ug/l #	1
53) 1,3-Dichloropropene	10.36	75	15418	4.669	ug/l #	1
55) 1,1,2-Trichloroethane	10.54	97	562	0.267	ug/l #	62
56) Ethyl methacrylate	10.41	69	914	0.284	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.41	63	48656	50.260	ug/l #	1
59) 2-Hexanone	10.74	43	12351	6.377	ug/l	97
65) Chlorobenzene	11.43	112	1168	0.201	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.41	131	1443	0.642	ug/l #	1
67) Ethyl Benzene	11.70	91	729564	69.036	ug/l #	45
68) m/p-Xylenes	11.61	106	1709	0.428	ug/l #	1
69) o-Xylene	11.98	106	46666	11.941	ug/l #	1

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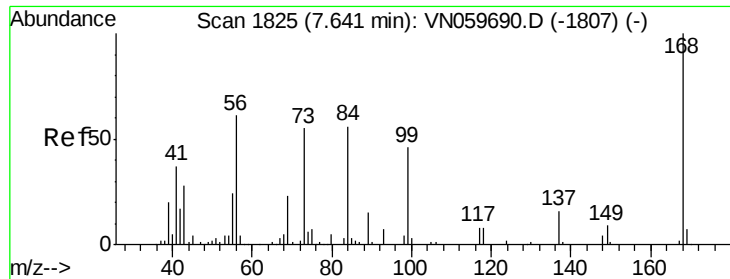
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 28 22:24:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	

70) Styrene	11.99	104	18299	2.798	ug/l #		1
71) Bromoform	12.12	173	602	0.334	ug/l #		29
73) Isopropylbenzene	12.45	105	532552	50.068	ug/l #		62
74) N-amyl acetate	12.07	43	12907	3.127	ug/l #		77
75) 1,1,2,2-Tetrachloroethane	12.50	83	1728	0.560	ug/l #		74
76) 1,2,3-Trichloropropane	12.64	75	4721	1.934	ug/l #		100
77) Bromobenzene	12.53	156	2486	0.923	ug/l #		1
78) n-propylbenzene	12.37	91	282499	23.663	ug/l		86
79) 2-Chlorotoluene	12.64	91	93072	13.105	ug/l #		42
80) 1,3,5-Trimethylbenzene	12.45	105	392066	43.829	ug/l		97
81) trans-1,4-Dichloro-2-buten	12.40	75	75950	66.825	ug/l #		11
82) 4-Chlorotoluene	12.84	91	130327	18.295	ug/l #		43
83) tert-Butylbenzene	12.84	119	562434	72.697	ug/l #		57
84) 1,2,4-Trimethylbenzene	13.04	105	4492	0.508	ug/l		90
85) sec-Butylbenzene	13.17	105	9818	0.966	ug/l #		57
86) p-Isopropyltoluene	13.28	119	15681	1.667	ug/l #		1
87) 1,3-Dichlorobenzene	13.24	146	305165	65.221	ug/l		98
88) 1,4-Dichlorobenzene	13.24	146	305165	65.378	ug/l		98
89) n-Butylbenzene	13.61	91	10448	1.303	ug/l #		86
90) Hexachloroethane	13.87	117	1682	0.956	ug/l		70
91) 1,2-Dichlorobenzene	13.65	146	2286	0.494	ug/l		84
92) 1,2-Dibromo-3-Chloropropan	14.05	75	39655	60.348	ug/l		77
93) 1,2,4-Trichlorobenzene	14.78	180	205558	73.956	ug/l		99
94) Hexachlorobutadiene	15.01	225	5348	3.492	ug/l		96
95) Naphthalene	15.13	128	27993	3.541	ug/l		97
96) 1,2,3-Trichlorobenzene	15.21	180	206243	76.233	ug/l		99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

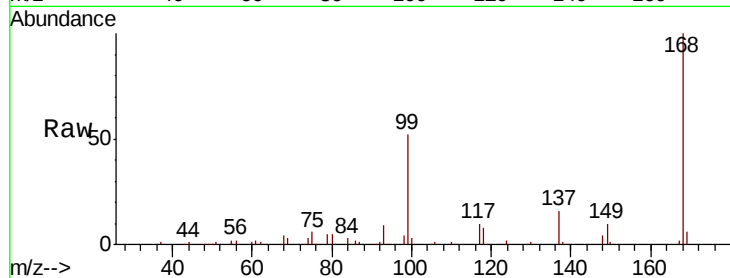
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 214325

Ion Ratio Lower Upper

168 100

99 51.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

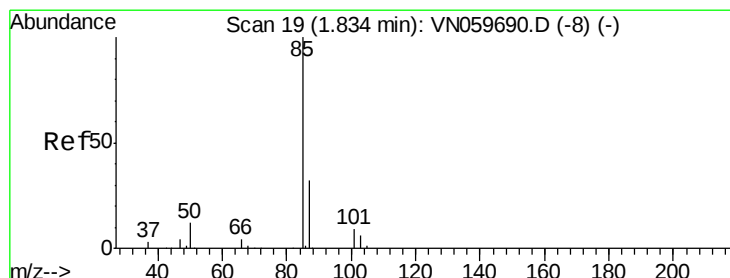
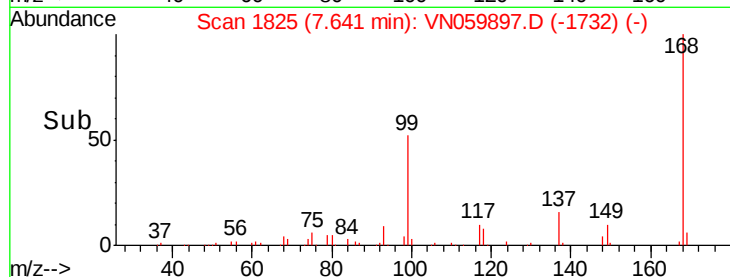
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059897.D

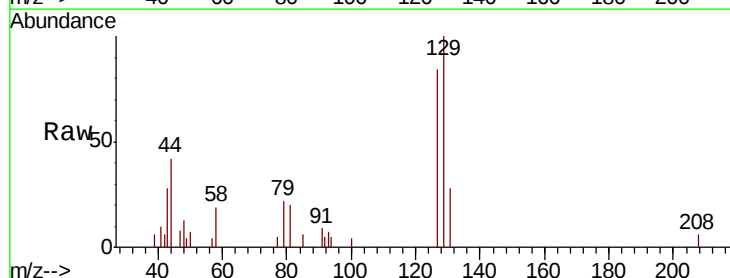
Acq: 28 Jan 2020 17:19

Tgt Ion: 85 Resp: 193

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

250

200

150

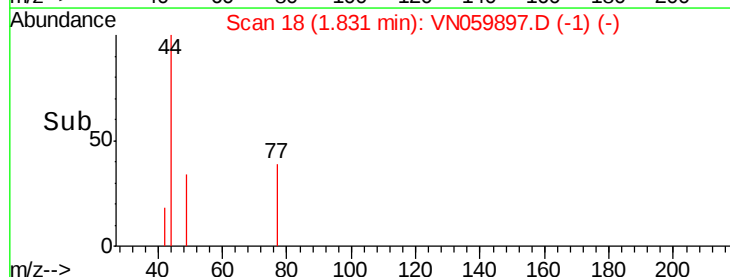
100

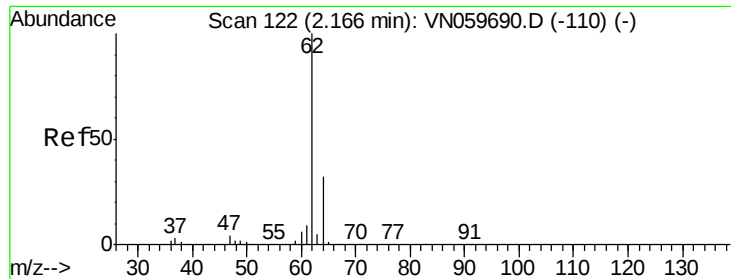
50

0

1.81 1.82 1.83 1.84

Time-->





#4

Vinyl Chloride

Concen: 0.225 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

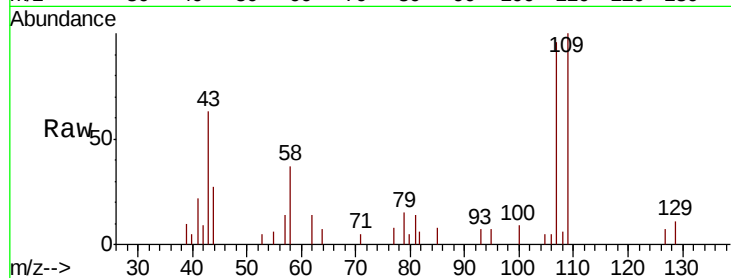
ClientSampled :

Tot Ion: 62 Resp: 632

Ion Ratio Lower Upper

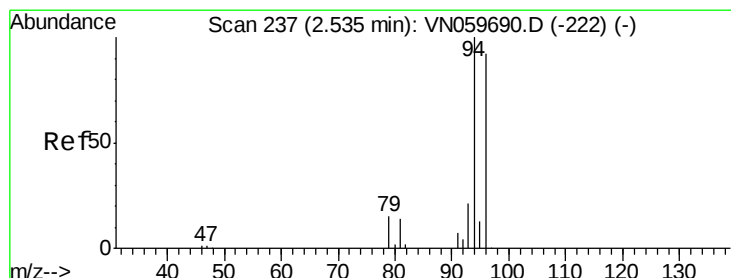
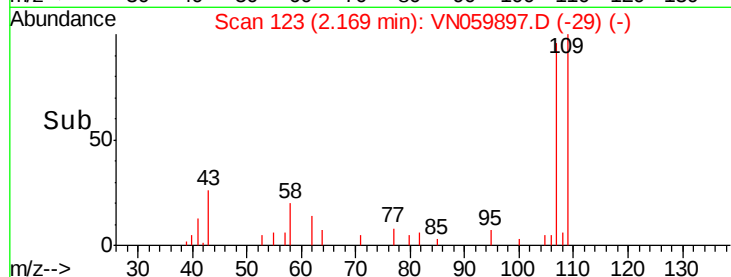
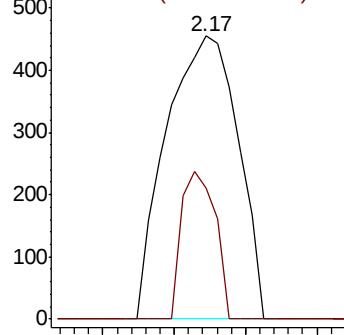
62 100

64 46.2 24.6 37.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: 0.263 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN059897.D

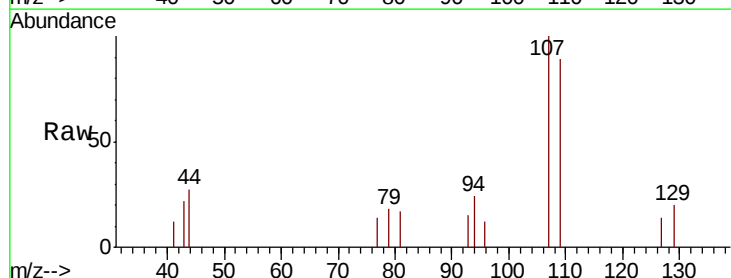
Acq: 28 Jan 2020 17:19

Tgt Ion: 94 Resp: 450

Ion Ratio Lower Upper

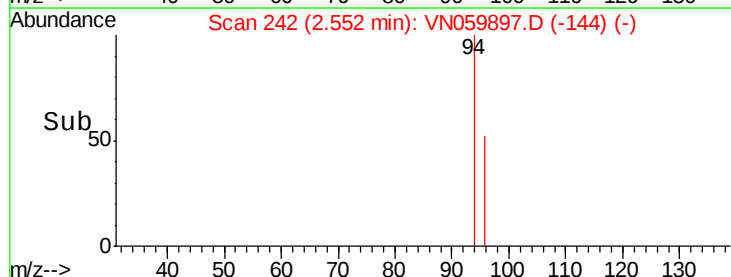
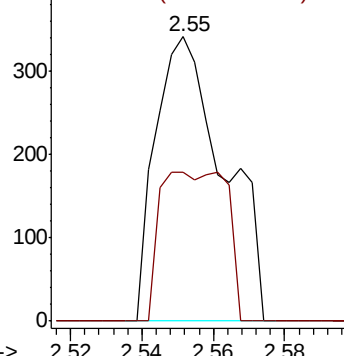
94 100

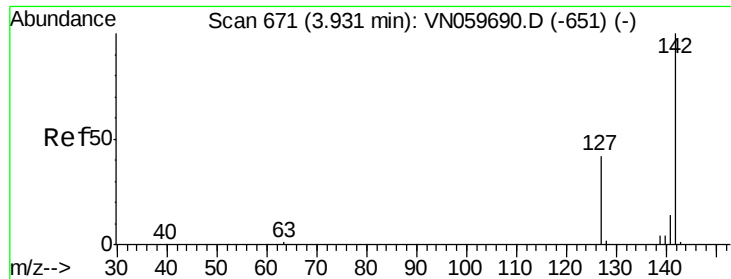
96 52.2 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

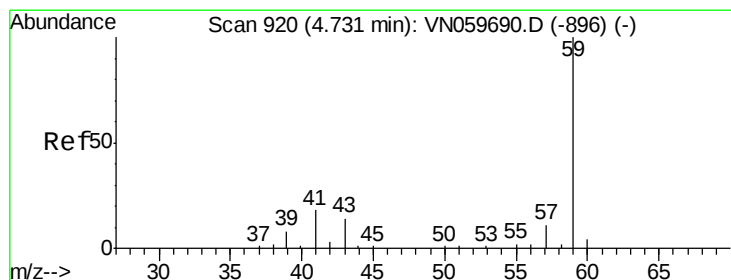
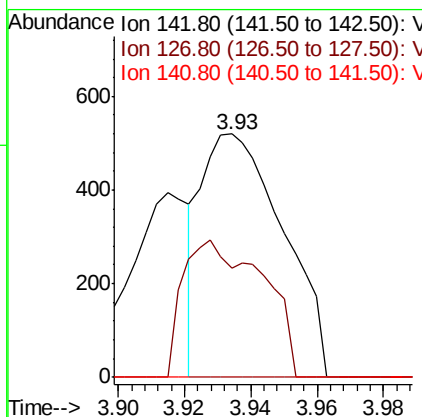
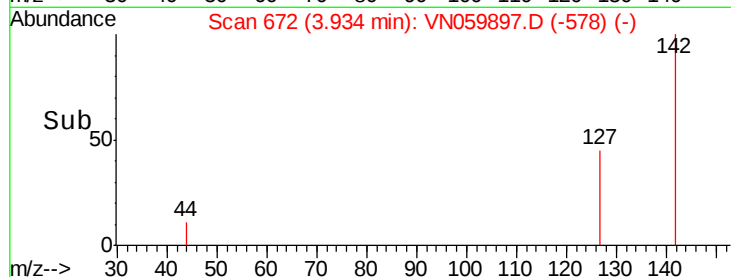
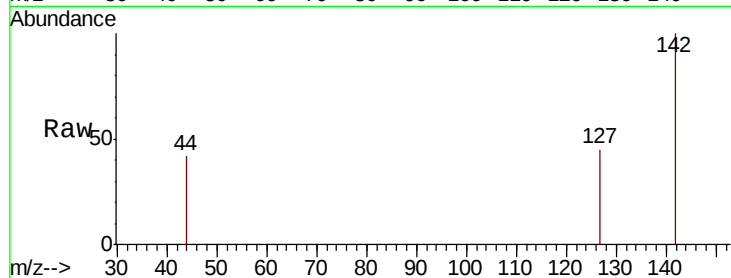




#10
Methvl Iodide
Concen: 0.293 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

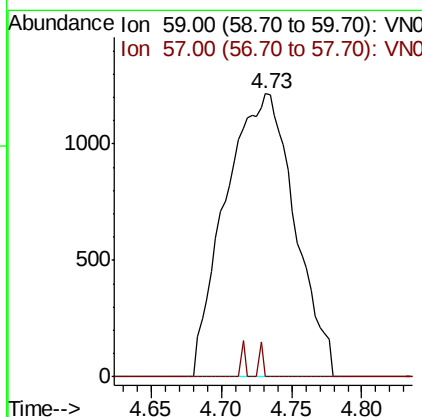
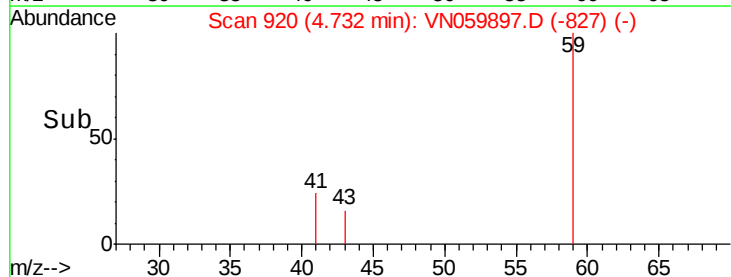
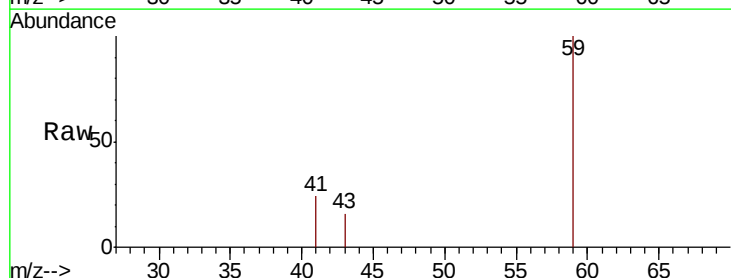
Instrument :
MSVOA_N
ClientSampleId :

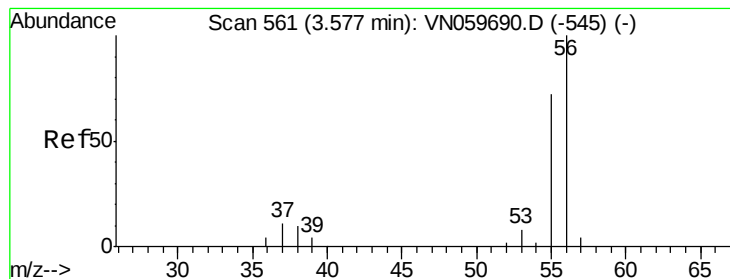
Tot Ion:142 Resp: 889
Ion Ratio Lower Upper
142 100
127 55.5 36.7 55.1#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 10.387 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 59 Resp: 4162
Ion Ratio Lower Upper
59 100
57 0.7 8.6 12.8#





#13

Acrolein

Concen: 5.133 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

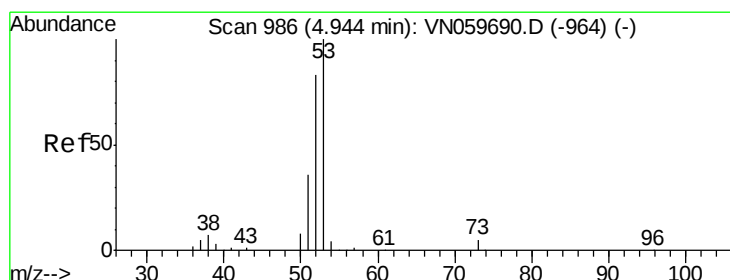
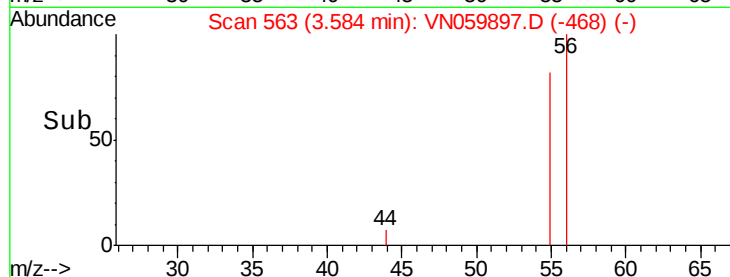
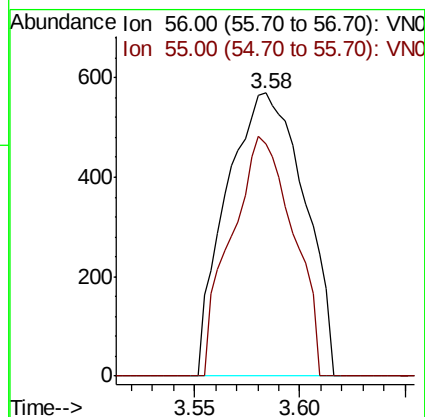
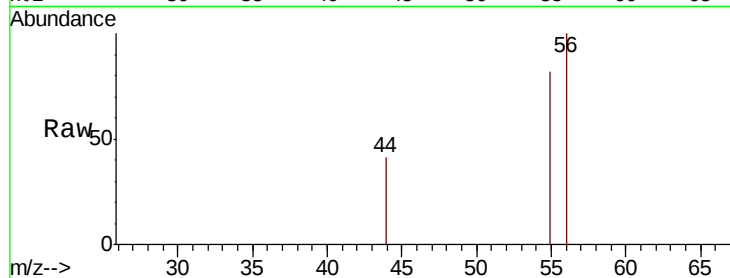
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 1456

Ion Ratio Lower Upper

56 100

55 67.6 58.6 88.0



#15

Acrylonitrile

Concen: 5.490 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

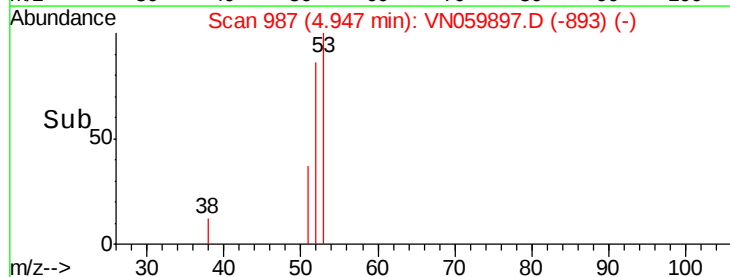
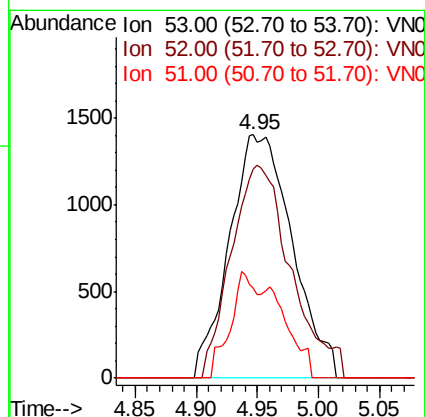
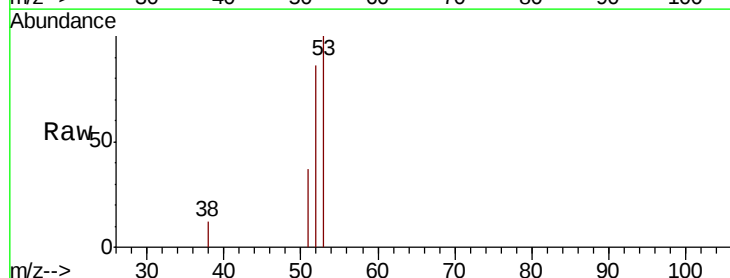
Tgt Ion: 53 Resp: 5018

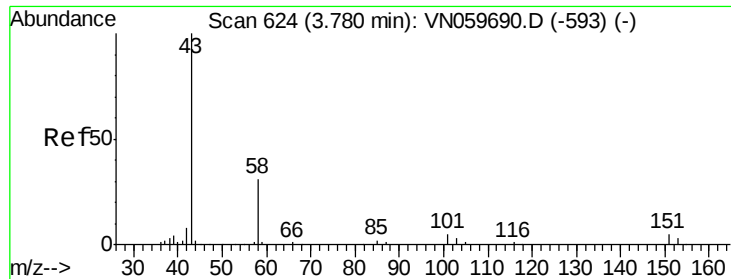
Ion Ratio Lower Upper

53 100

52 83.2 66.3 99.5

51 19.7 29.7 44.5#





#16

Acetone

Concen: 1.620 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

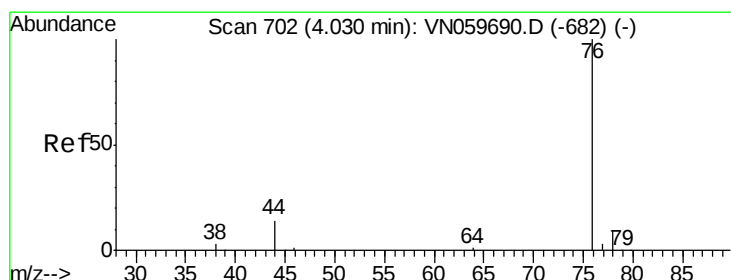
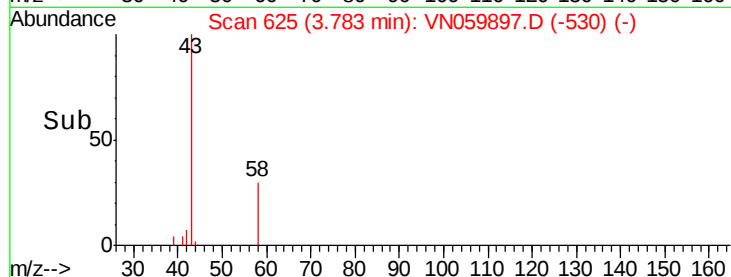
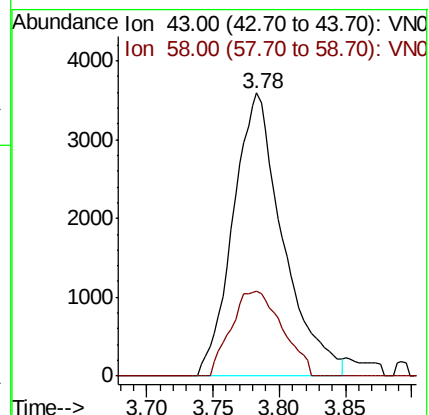
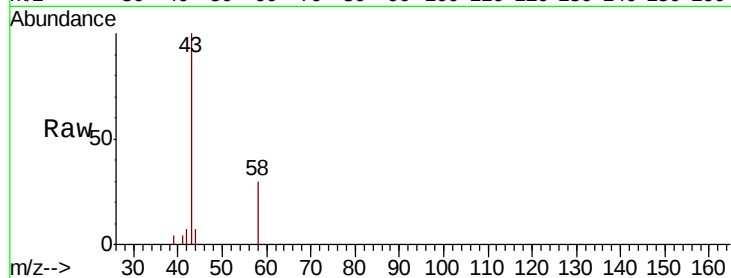
ClientSampled :

Tot Ion: 43 Resp: 9389

Ion Ratio Lower Upper

43 100

58 29.9 23.6 35.4



#17

Carbon Disulfide

Concen: 0.480 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN059897.D

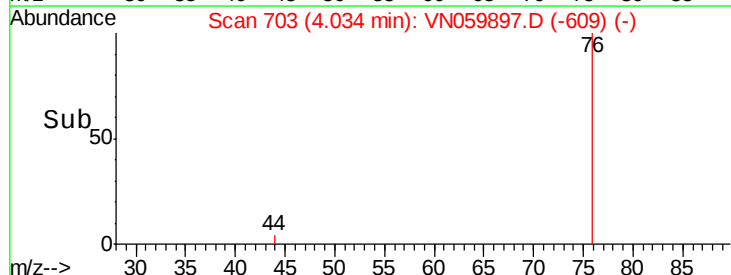
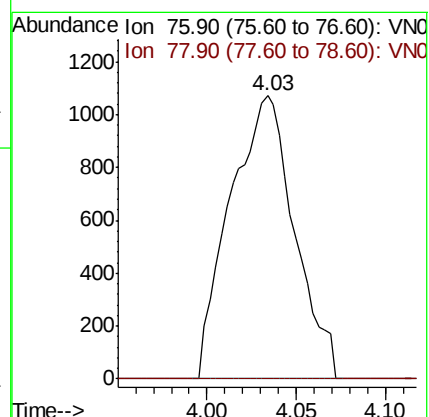
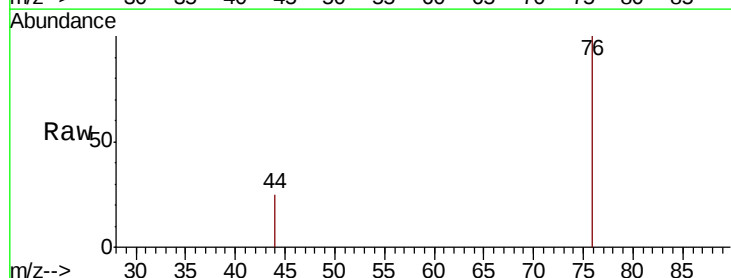
Acq: 28 Jan 2020 17:19

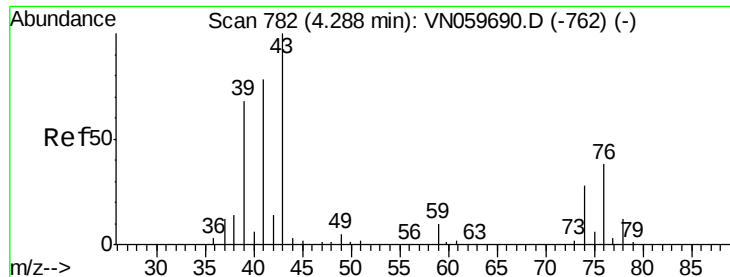
Tgt Ion: 76 Resp: 2683

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

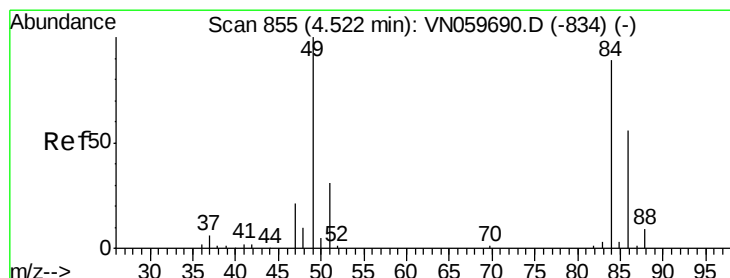
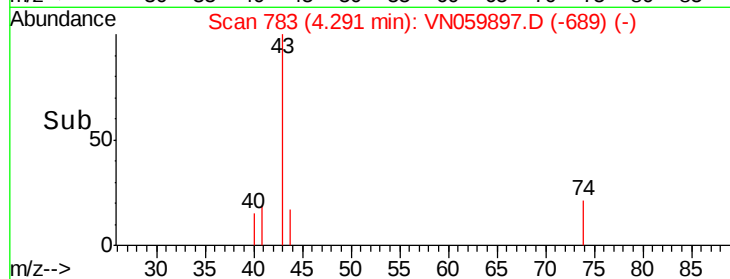
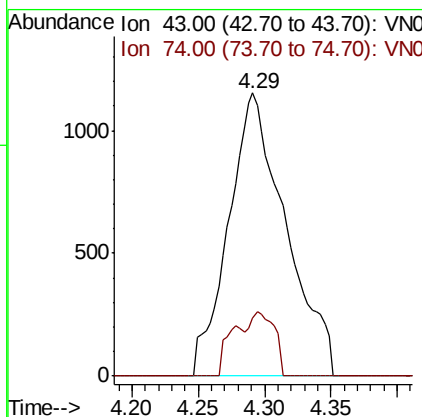
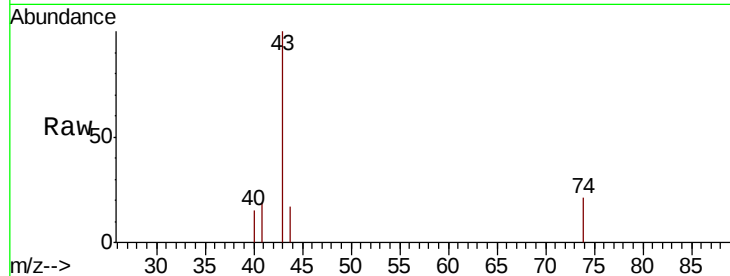




#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

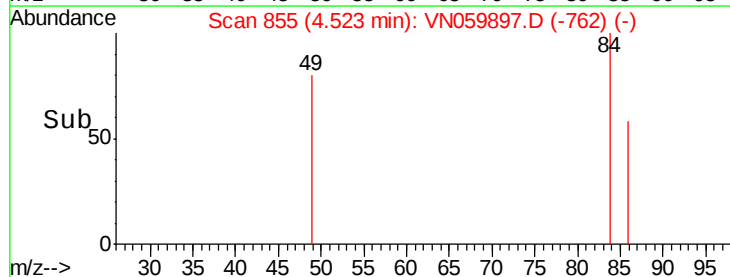
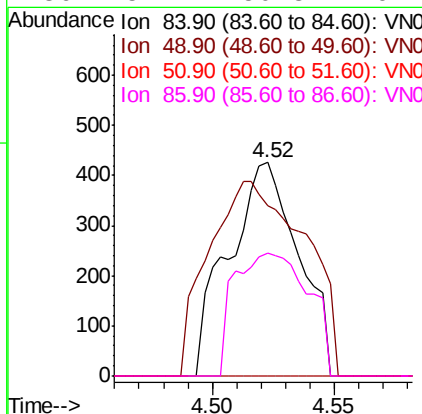
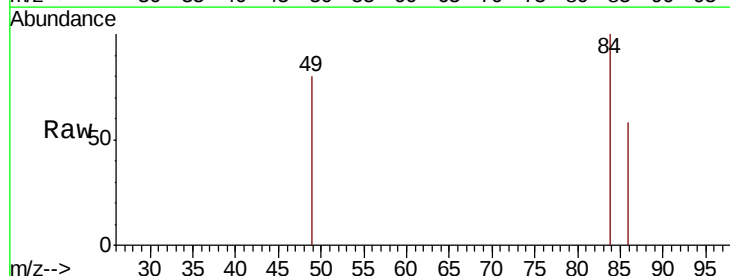
Instrument :
MSVOA_N
ClientSampled :

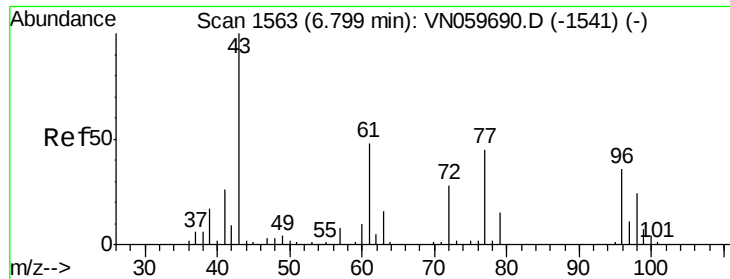
Tot Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
74 10.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 84 Resp: 846
Ion Ratio Lower Upper
84 100
49 79.8 106.6 160.0#
51 0.0 31.9 47.9#
86 57.7 50.8 76.2

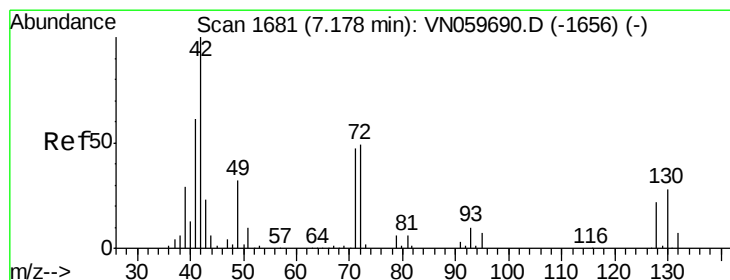
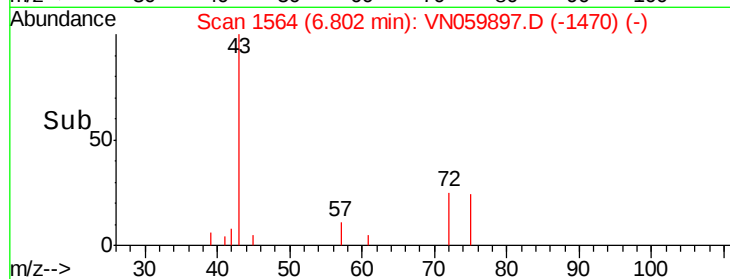
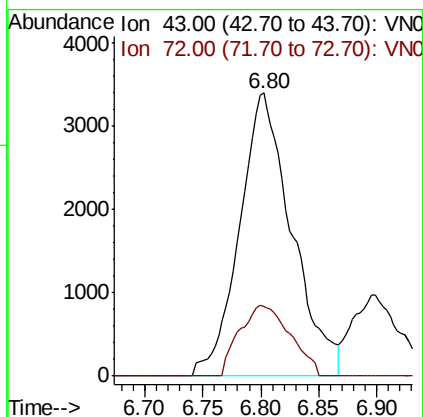
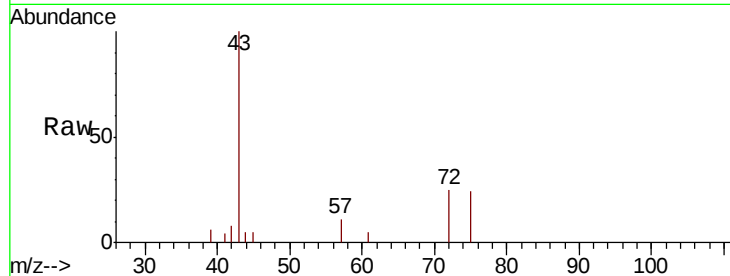




#25
2-Butanone
Concen: 7.907 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

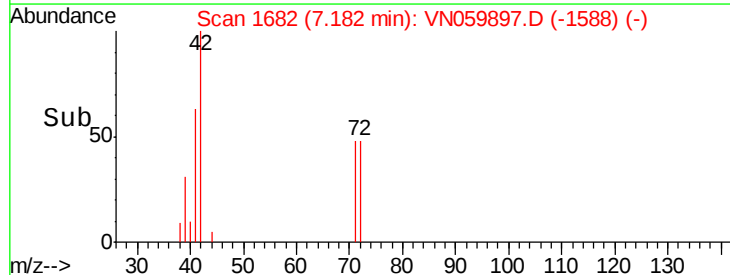
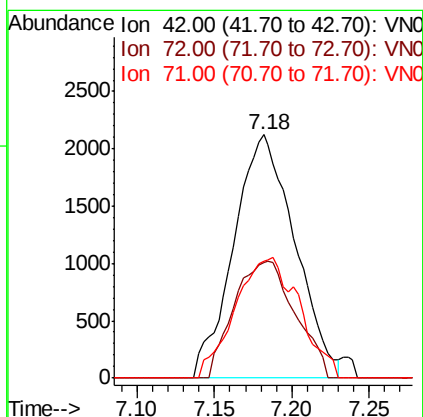
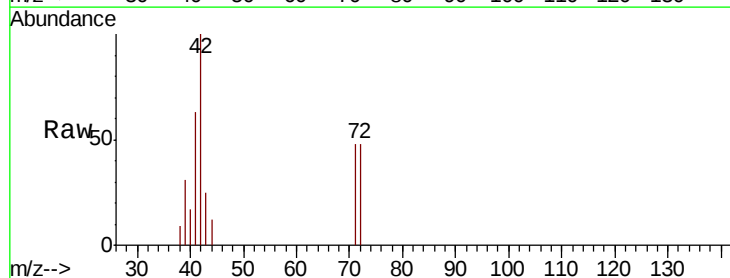
Instrument :
MSVOA_N
ClientSampled :

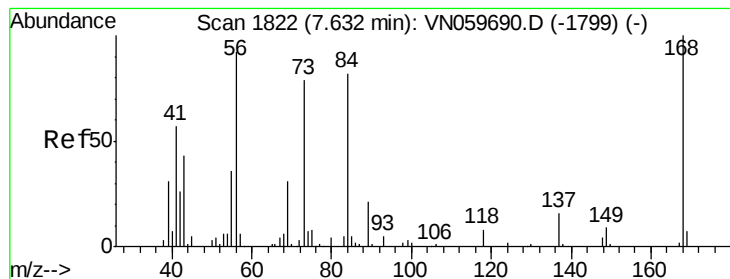
Tot Ion: 43 Resp: 10658
Ion Ratio Lower Upper
43 100
72 24.6 19.9 29.9



#29
Tetrahydrofuran
Concen: 7.016 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 42 Resp: 5851
Ion Ratio Lower Upper
42 100
72 47.9 33.1 49.7
71 51.7 31.4 47.0#





#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

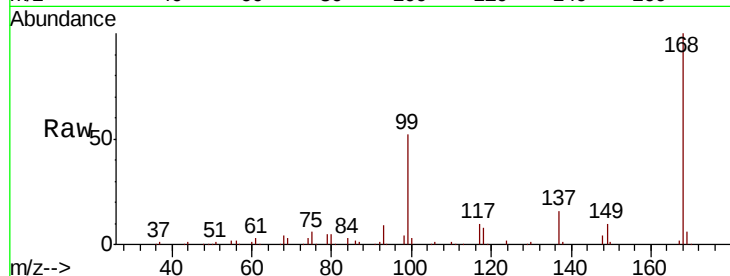
Tot Ion: 56 Resp: 4318

Ion Ratio Lower Upper

56 100

69 154.8 26.5 39.7#

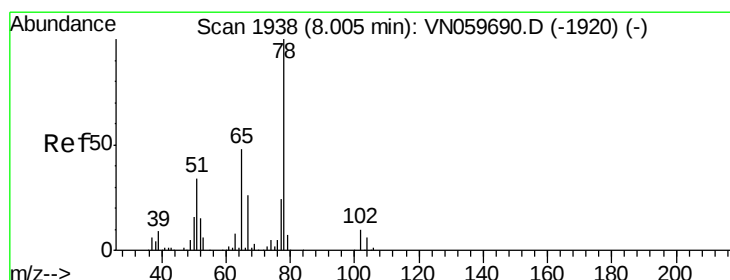
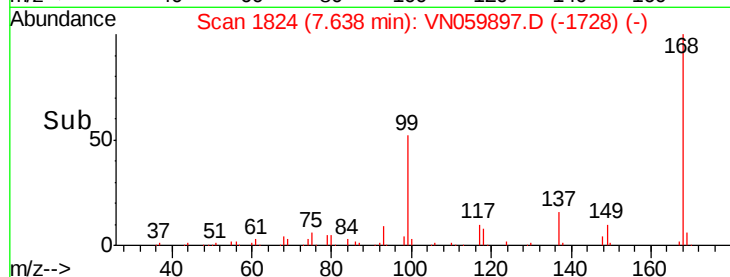
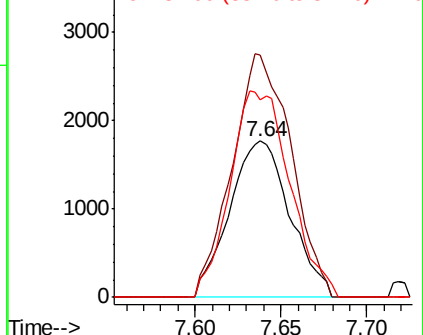
84 126.5 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.062 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059897.D

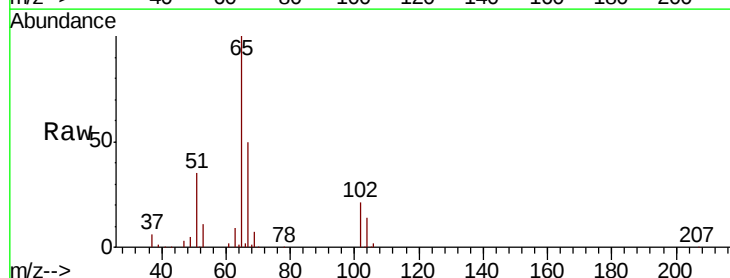
Acq: 28 Jan 2020 17:19

Tgt Ion: 65 Resp: 109633

Ion Ratio Lower Upper

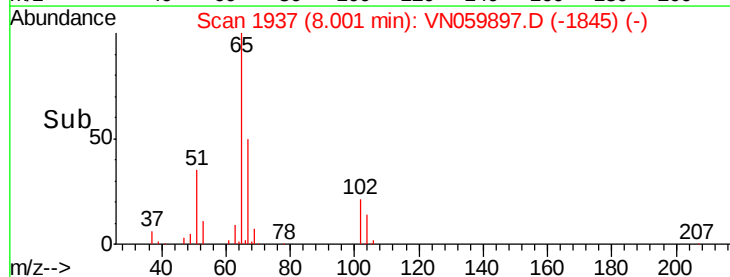
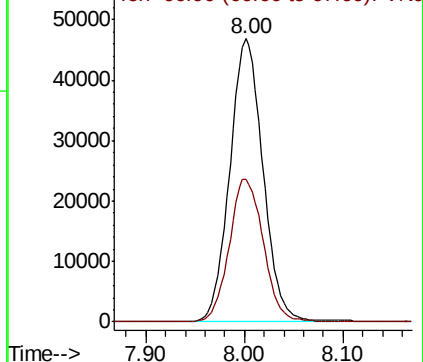
65 100

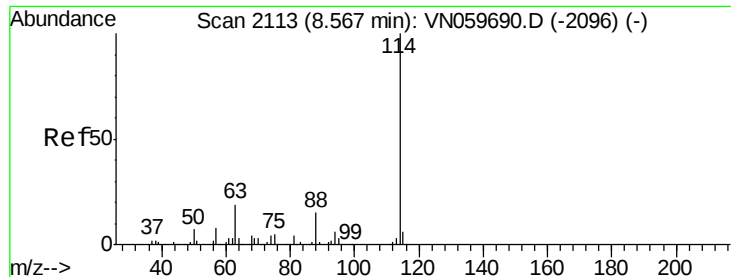
67 52.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

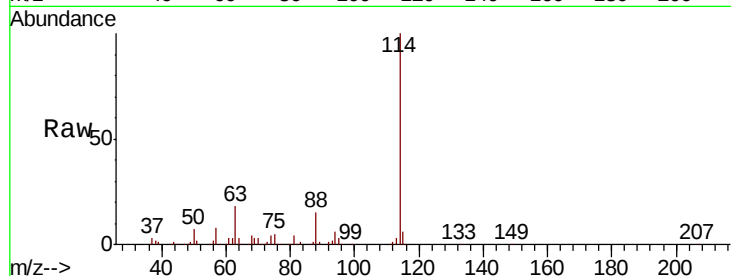




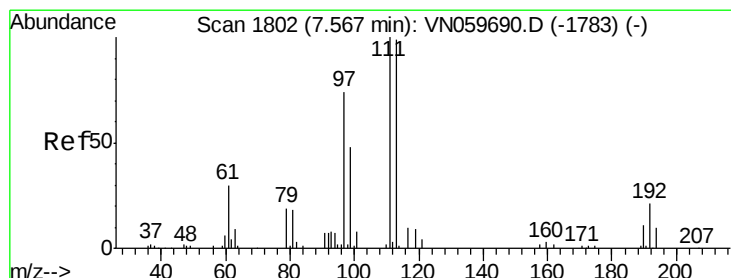
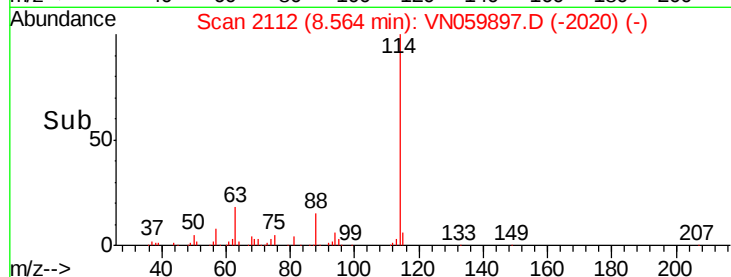
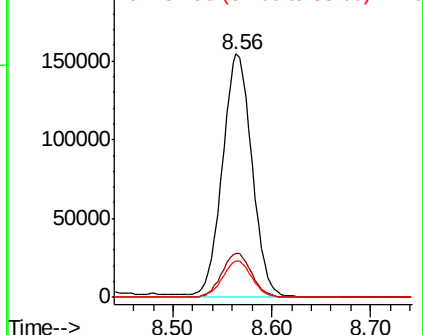
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 323743
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 15.0 0.0 31.4

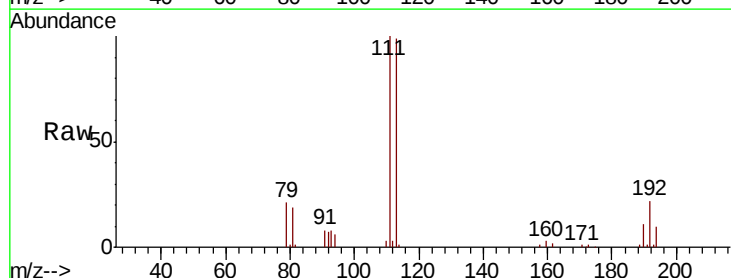


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

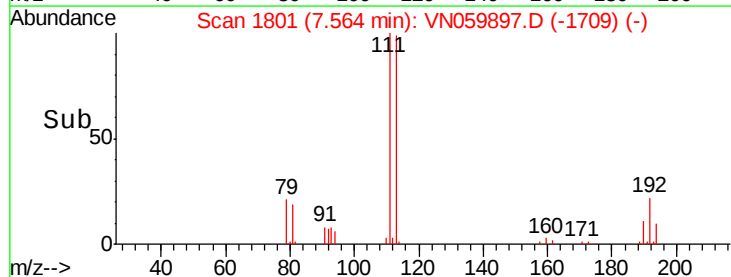
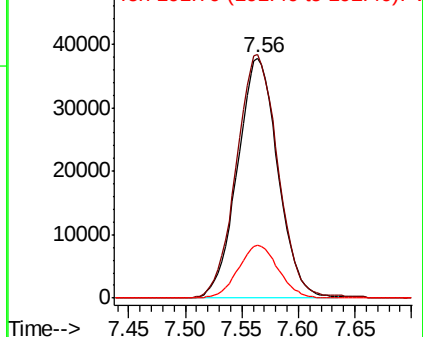


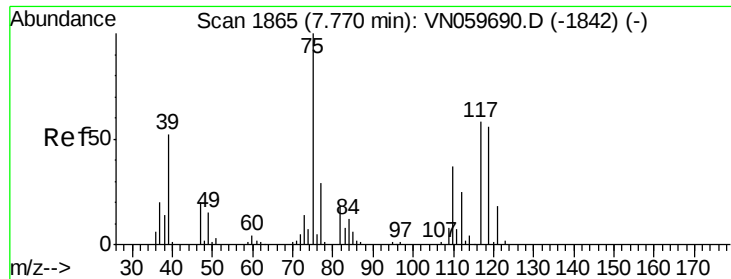
#35
 Dibromofluoromethane
 Concen: 48.764 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion:113 Resp: 94144
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.5 125.3
 192 21.8 15.4 23.2



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

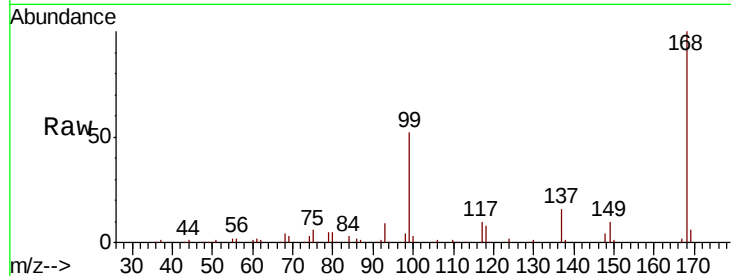




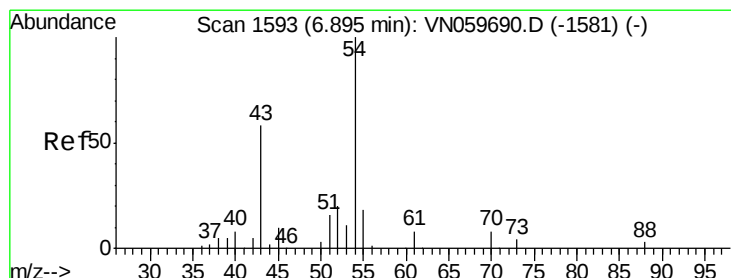
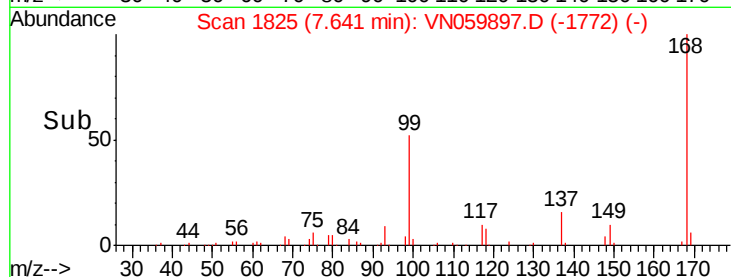
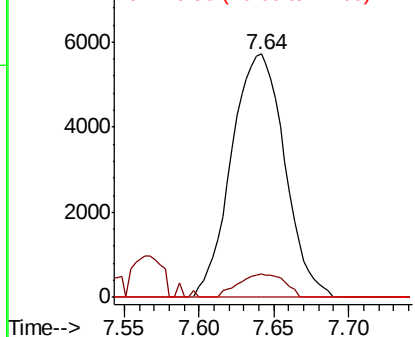
#36
 1,1-Dichloropropene
 Concen: 5.014 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.6	49.7#
77	0.0	25.1	37.7#

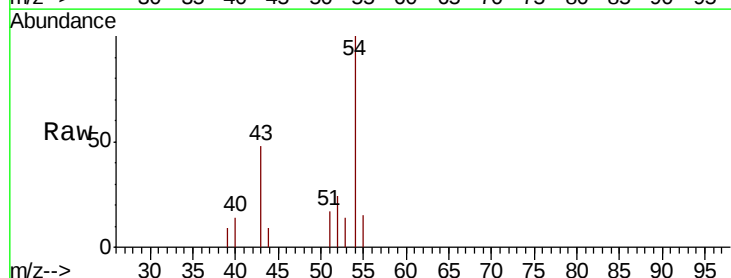


Abundance Ion 74.90 (74.60 to 75.60): VN059897.D (-1825) (-)

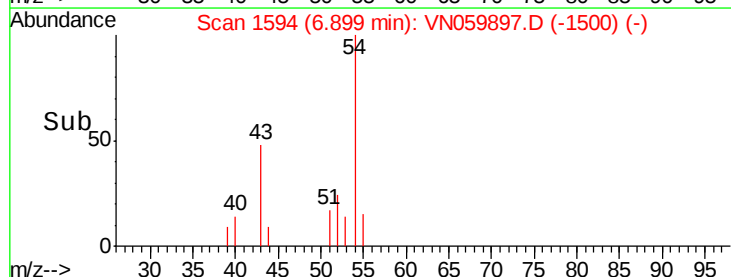
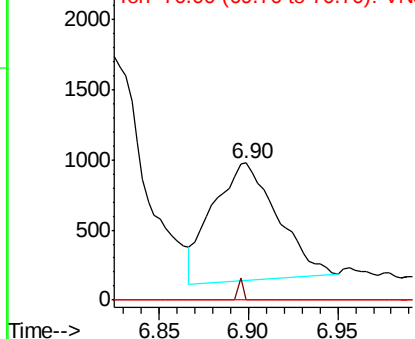


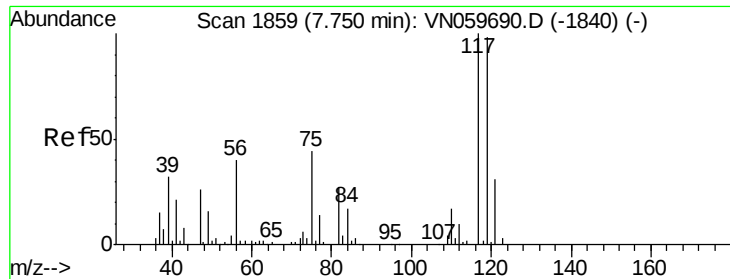
#37
 Ethyl Acetate
 Concen: 0.796 ug/l
 RT: 6.90 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.4	10.9	16.3#
70	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN059897.D (-1594) (-)





#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

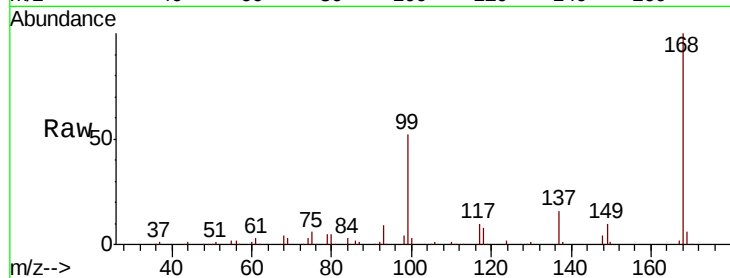
Tot Ion:117 Resp: 19770

Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

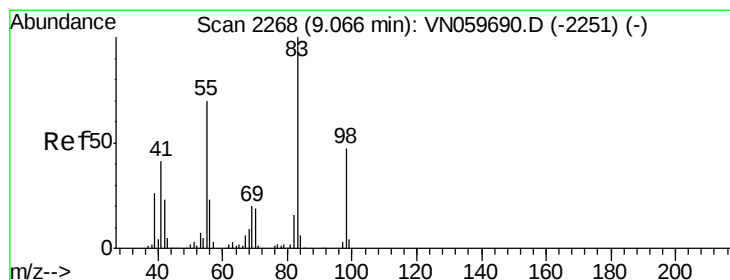
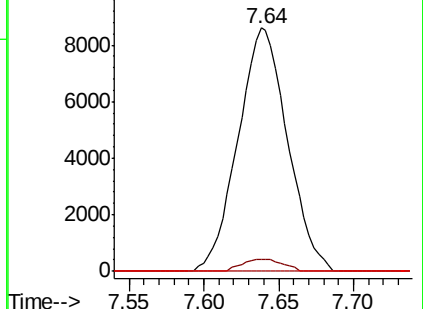
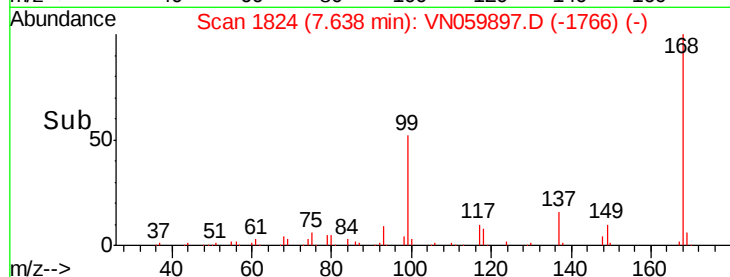
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.588 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

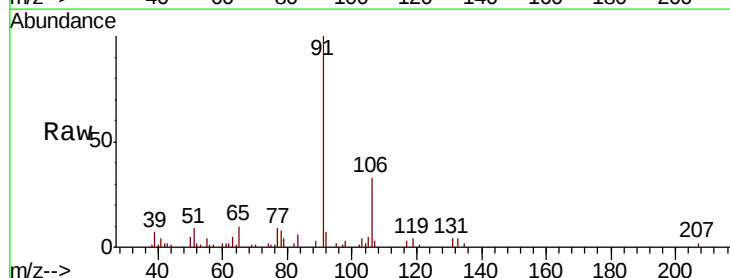
Tgt Ion: 83 Resp: 2044

Ion Ratio Lower Upper

83 100

55 70.2 64.2 96.2

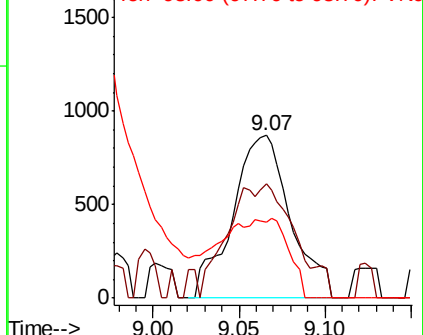
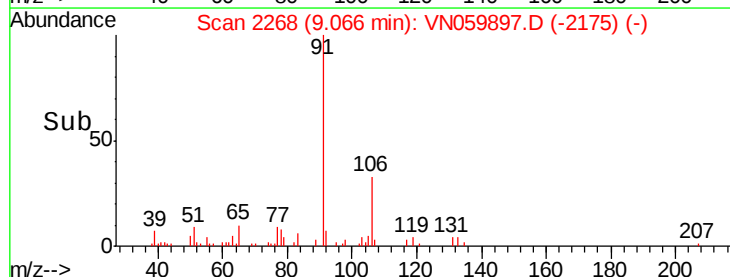
98 46.6 35.9 53.9

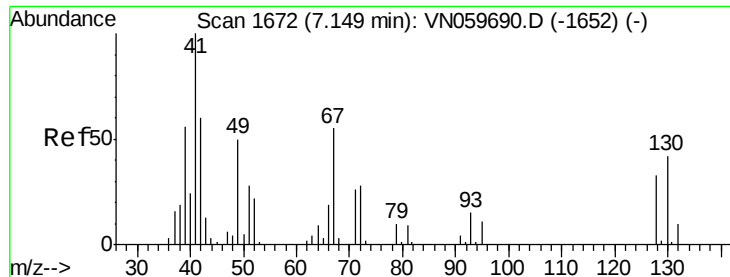


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

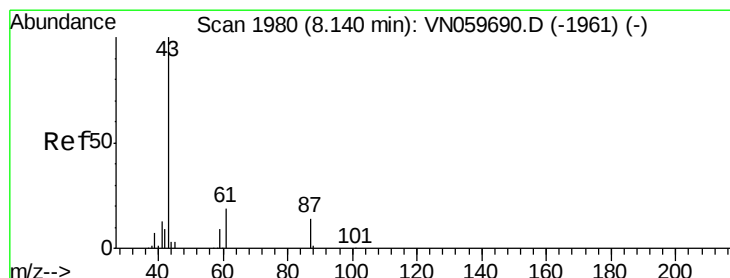
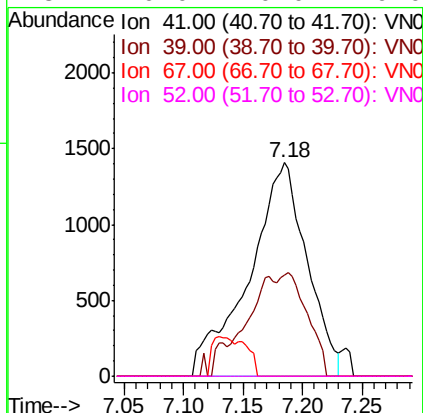
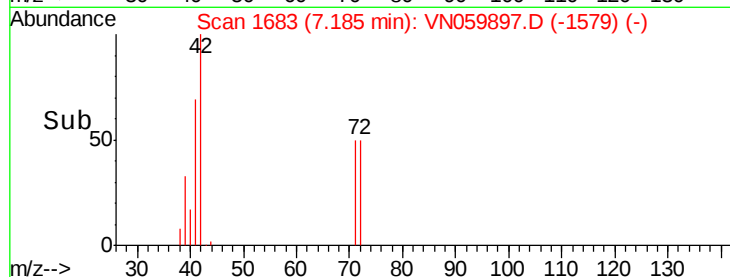
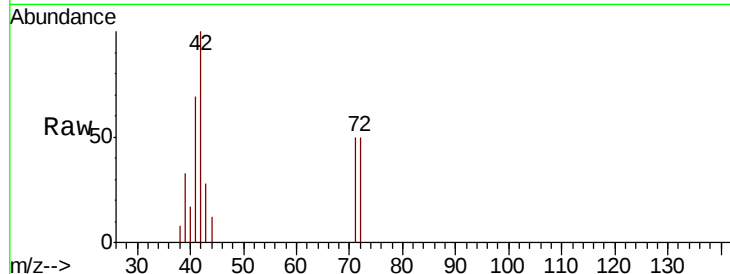




#41
Methacrylonitrile
Concen: 3.647 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.04 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

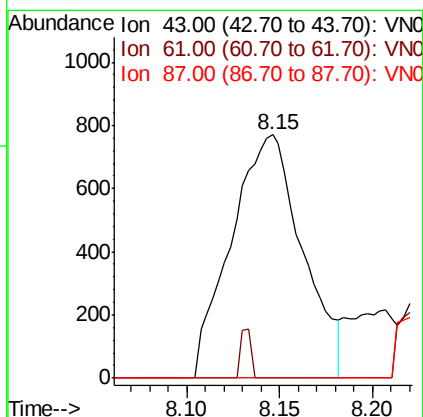
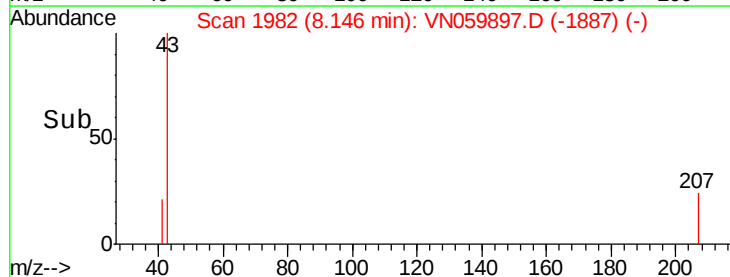
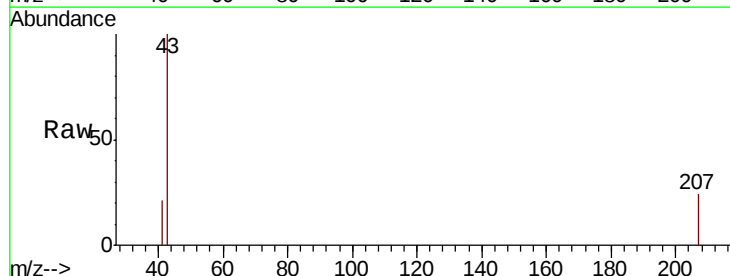
Instrument :
MSVOA_N
ClientSampled :

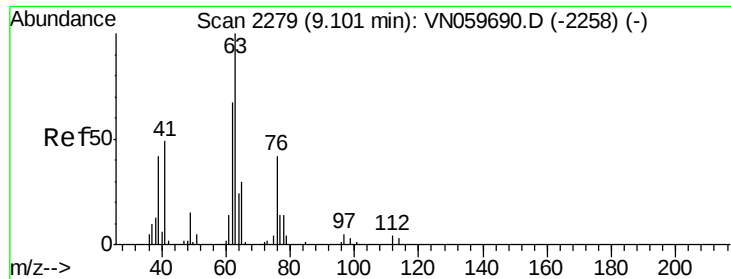
Tot Ion:	41	Resp:	4750
Ion	Ratio	Lower	Upper
41	100		
39	13.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.453 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion:	43	Resp:	2059
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.2	30.2#
87	0.0	9.5	14.3#

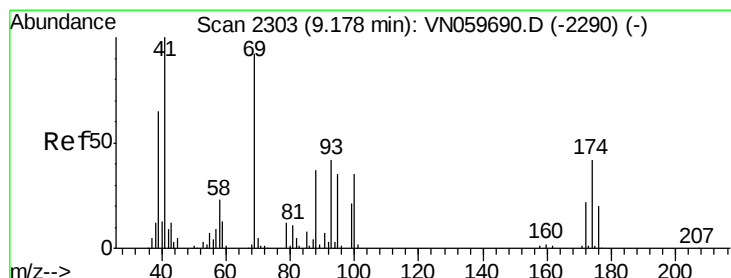
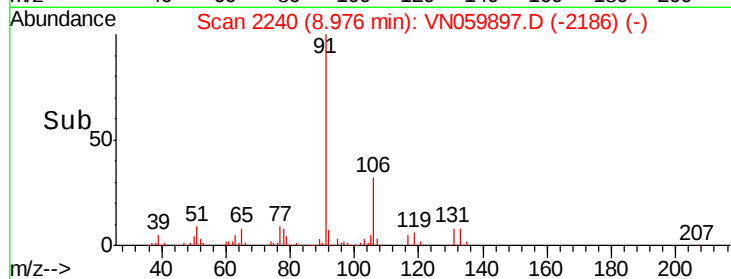
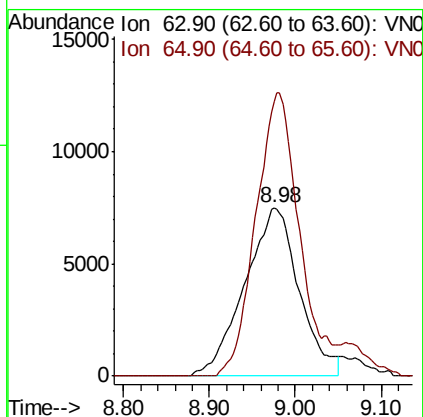
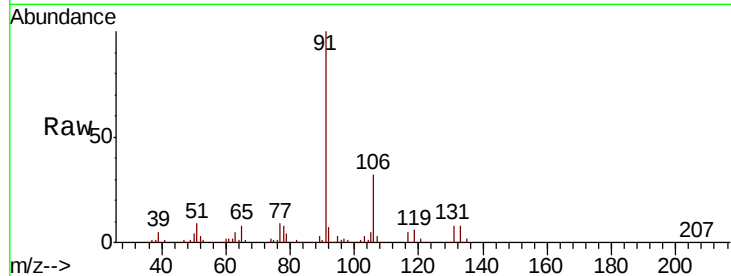




#45
 1,2-Dichloropropane
 Concen: 15.860 ug/l
 RT: 8.98 min Scan# 2240
 Delta R.T. -0.13 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

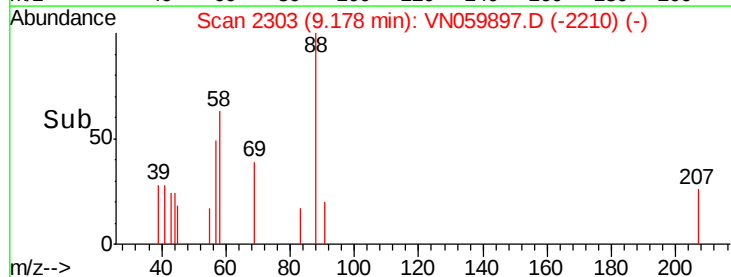
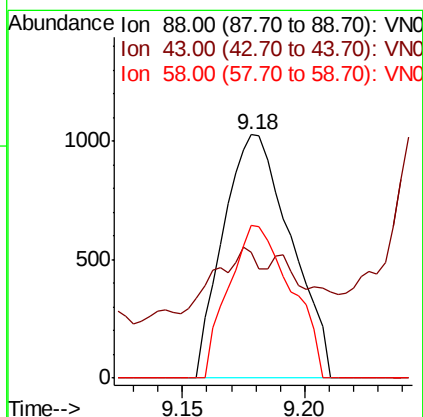
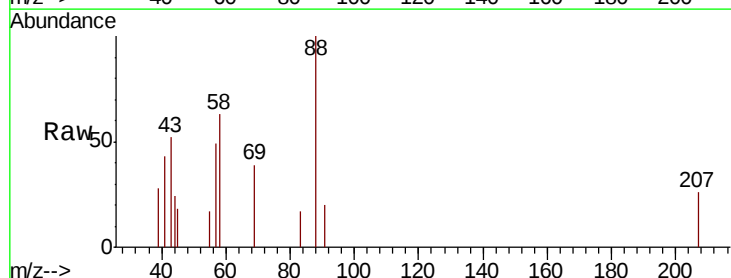
Instrument :
 MSVOA_N
 ClientSampleId :

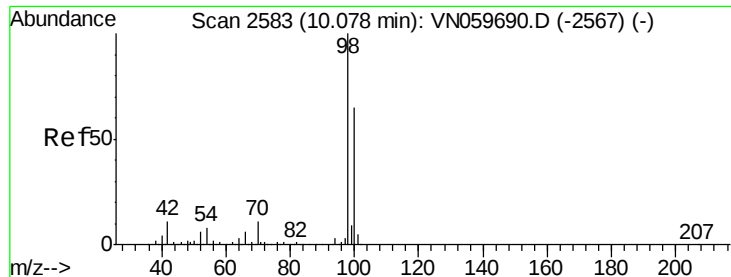
Tot Ion: 63 Resp: 32998
 Ion Ratio Lower Upper
 63 100
 65 163.1 24.9 37.3#



#49
 1,4-Dioxane
 Concen: 53.004 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion: 88 Resp: 1974
 Ion Ratio Lower Upper
 88 100
 43 18.3 29.7 44.5#
 58 58.0 56.6 85.0





#50

Toluene-d8

Concen: 50.824 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

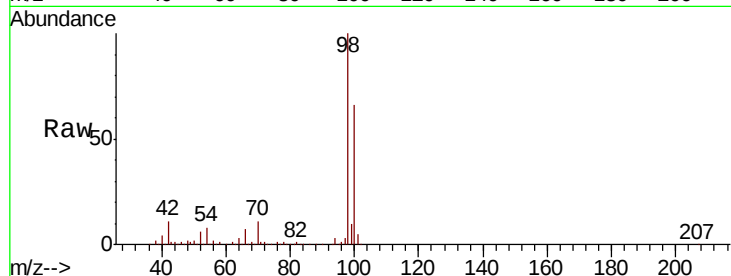
ClientSampled :

Tot Ion: 98 Resp: 380176

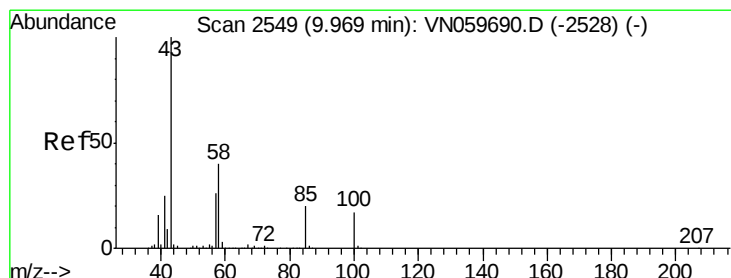
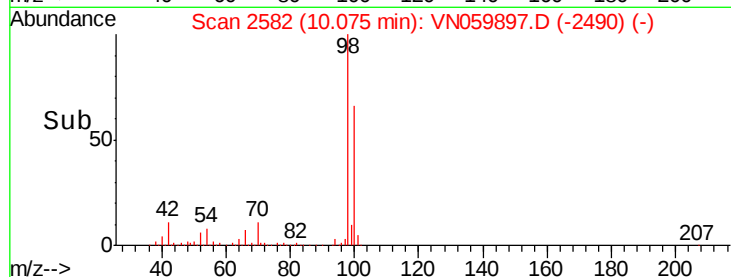
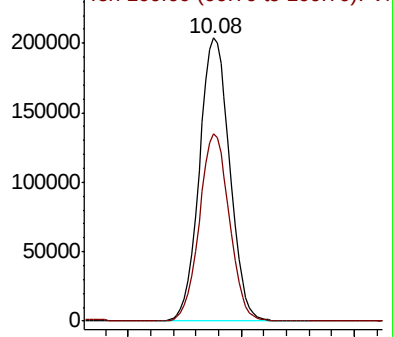
Ion Ratio Lower Upper

98 100

100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059897.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.273 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059897.D

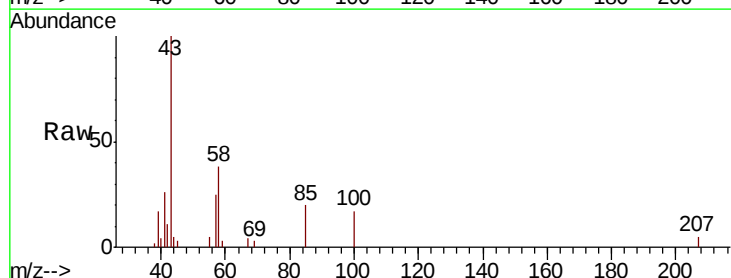
Acq: 28 Jan 2020 17:19

Tgt Ion: 43 Resp: 11234

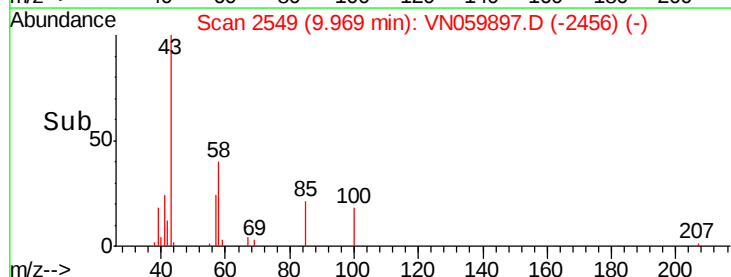
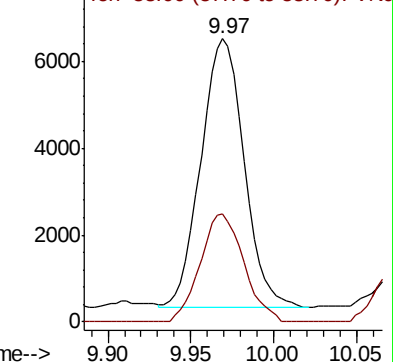
Ion Ratio Lower Upper

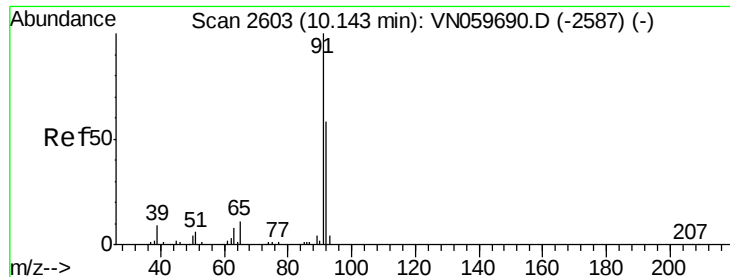
43 100

58 40.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059897.D (-2456) (-)





#52

Toluene

Concen: 6.653 ug/l

RT: 10.28 min Scan# 2647

Delta R.T. 0.14 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

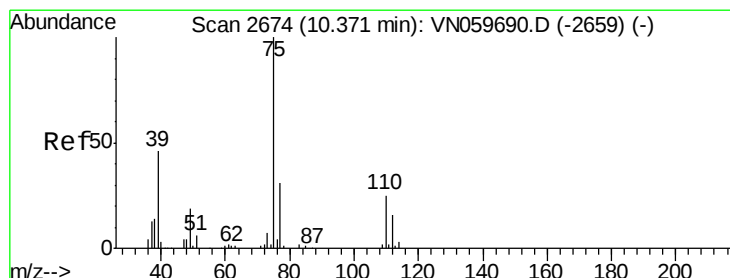
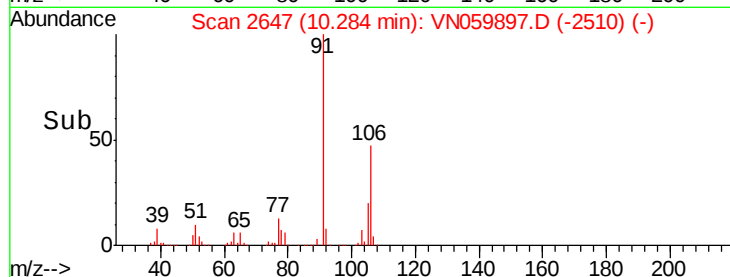
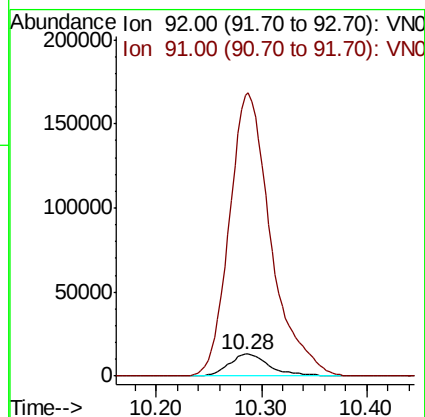
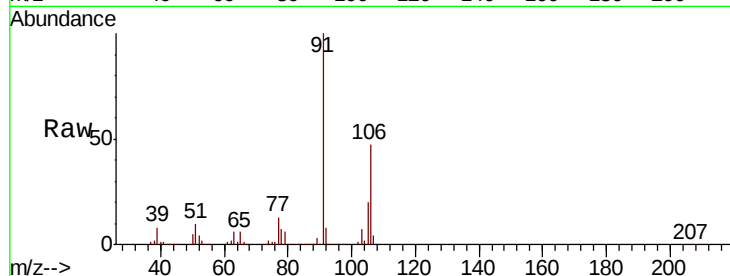
ClientSampleId :

Tot Ion: 92 Resp: 35332

Ion Ratio Lower Upper

92 100

91 1304.9 140.4 210.6#



#53

t-1,3-Dichloropropene

Concen: 4.669 ug/l

RT: 10.36 min Scan# 2672

Delta R.T. -0.01 min

Lab File: VN059897.D

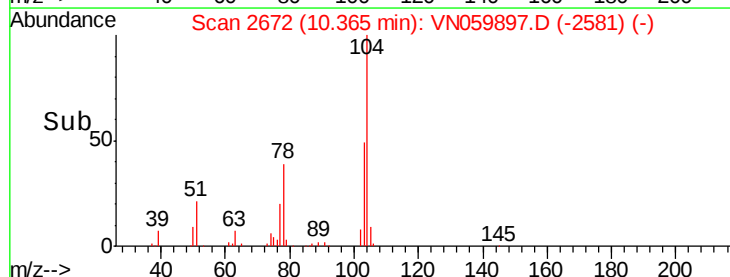
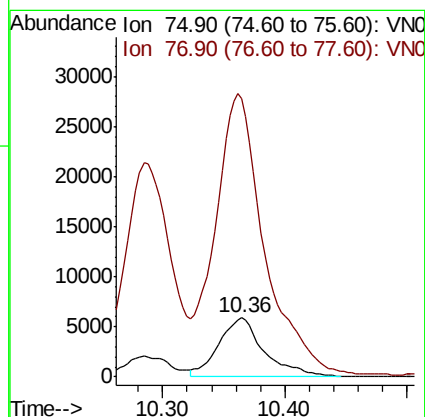
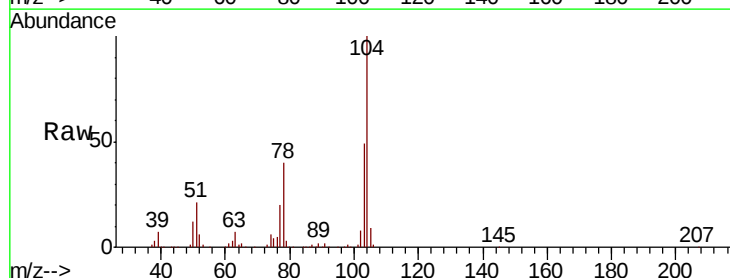
Acq: 28 Jan 2020 17:19

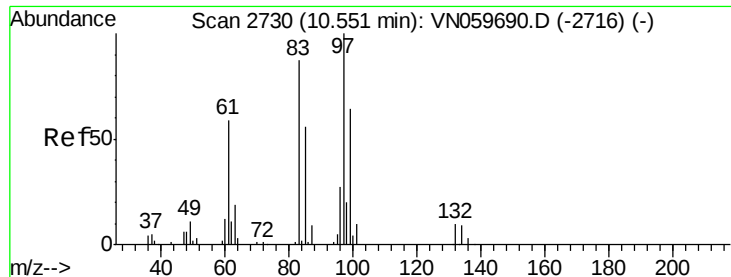
Tgt Ion: 75 Resp: 15418

Ion Ratio Lower Upper

75 100

77 460.0 25.4 38.2#

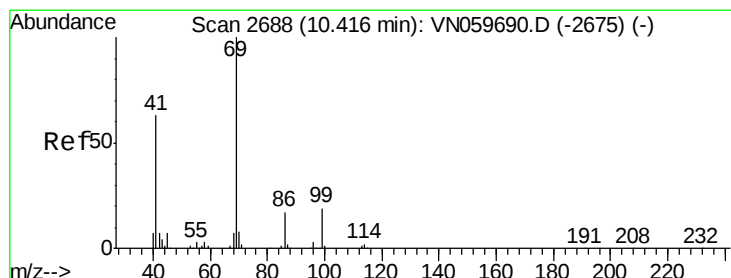
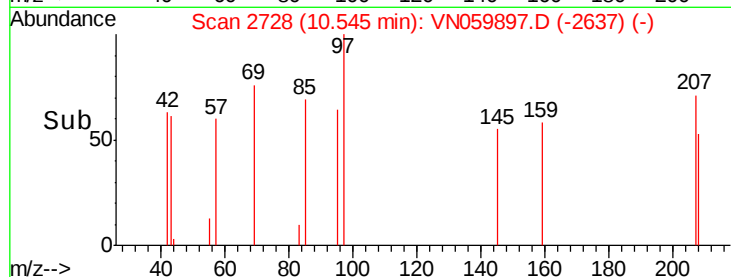
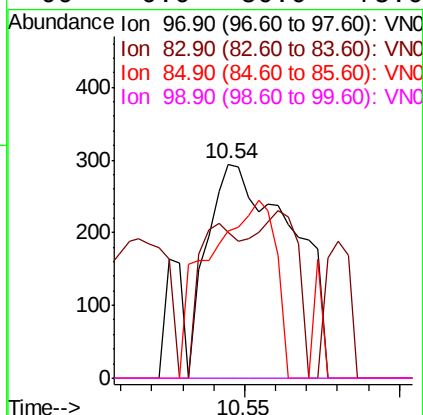
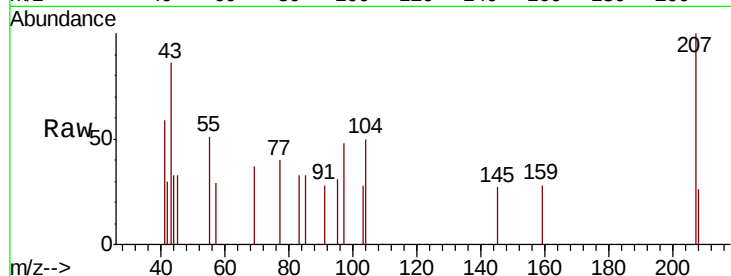




#55
 1,1,2-Trichloroethane
 Concen: 0.267 ug/l
 RT: 10.54 min Scan# 2728
 Delta R.T. -0.01 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

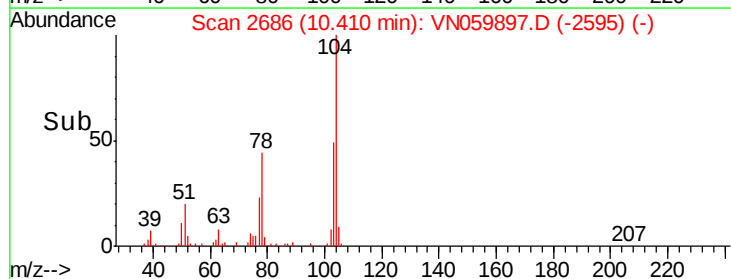
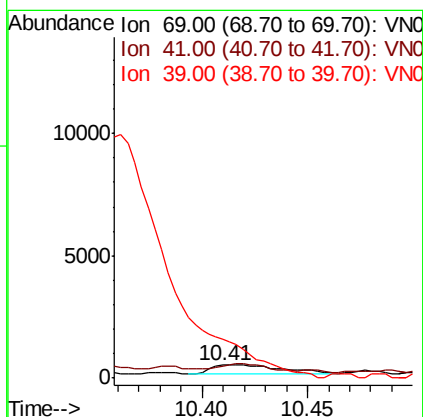
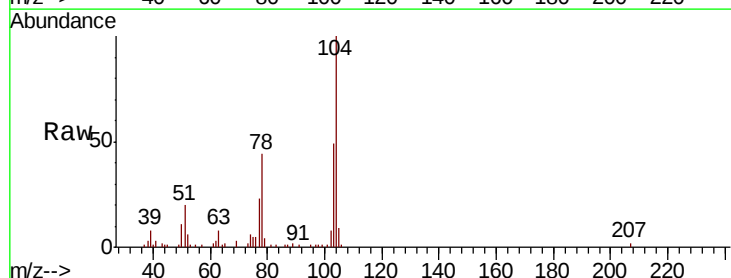
Instrument :
 MSVOA_N
 ClientSampled :

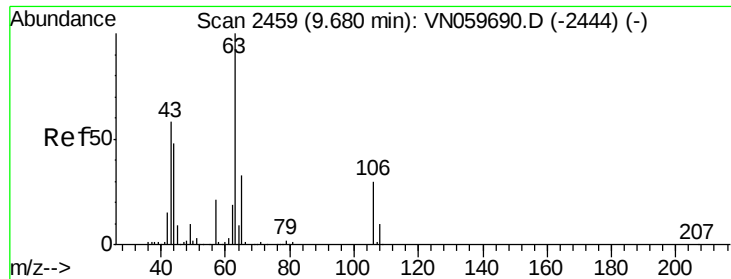
Tot Ion: 97 Resp: 562
 Ion Ratio Lower Upper
 97 100
 83 68.0 71.3 106.9#
 85 69.0 45.8 68.8#
 99 0.0 50.0 75.0#



#56
 Ethyl methacrylate
 Concen: 0.284 ug/l
 RT: 10.41 min Scan# 2686
 Delta R.T. -0.01 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion: 69 Resp: 914
 Ion Ratio Lower Upper
 69 100
 41 46.8 57.1 85.7#
 39 0.0 34.7 52.1#

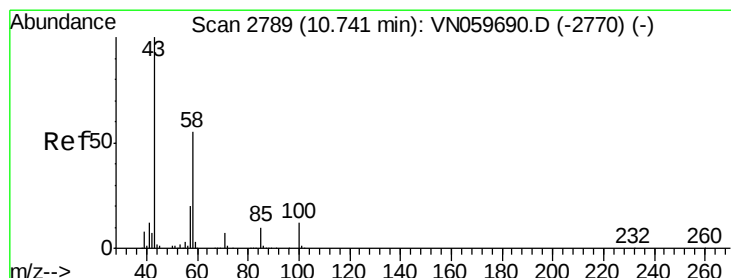
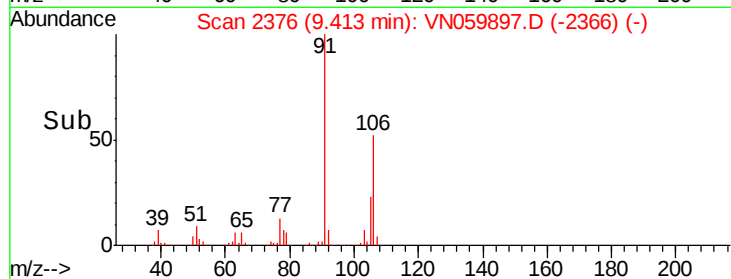
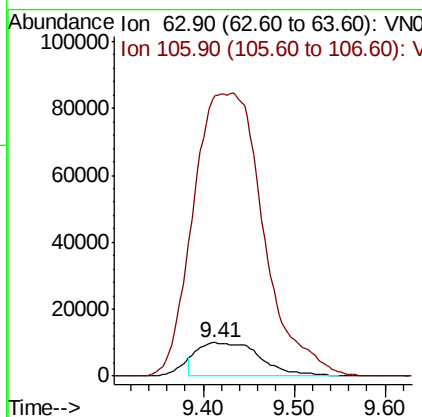
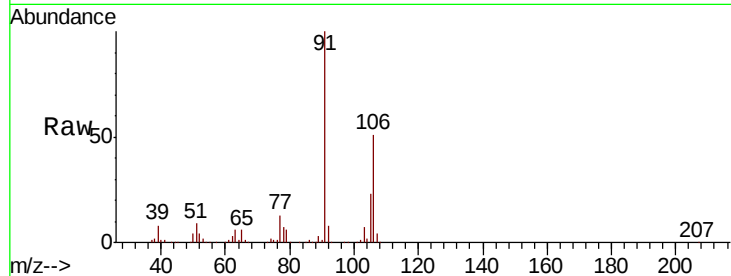




#58
 2-Chloroethyl Vinyl ether
 Concen: 50.260 ug/l
 RT: 9.41 min Scan# 2376
 Delta R.T. -0.27 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

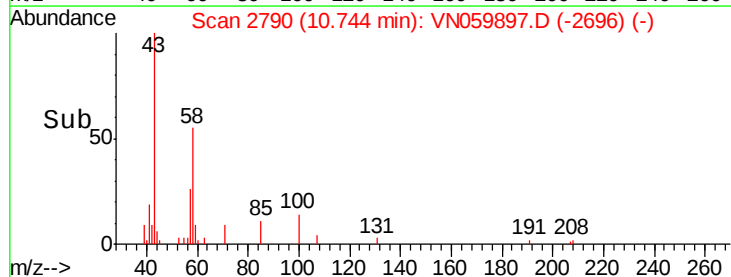
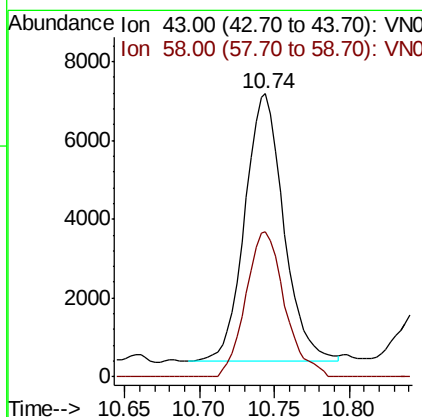
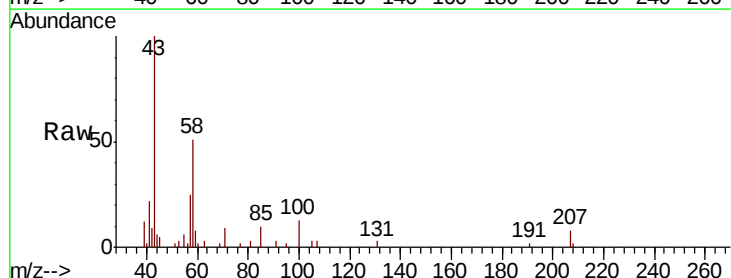
Instrument :
 MSVOA_N
 ClientSampleId :

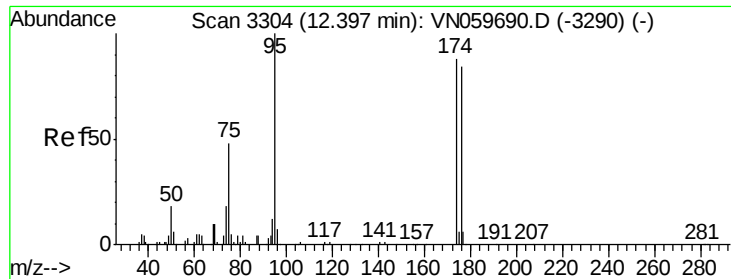
Tot Ion: 63 Resp: 48656
 Ion Ratio Lower Upper
 63 100
 106 174.0 20.2 30.2#



#59
 2-Hexanone
 Concen: 6.377 ug/l
 RT: 10.74 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion: 43 Resp: 12351
 Ion Ratio Lower Upper
 43 100
 58 53.8 25.8 77.3





#62

4-Bromofluorobenzene

Concen: 58.178 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

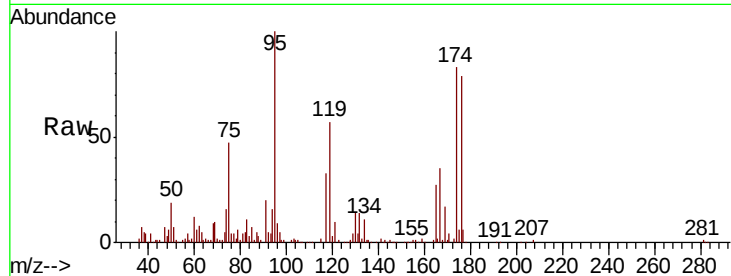
Tot Ion: 95 Resp: 156882

Ion Ratio Lower Upper

95 100

174 80.2 0.0 151.4

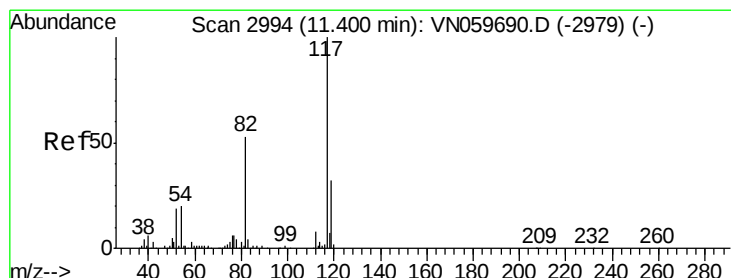
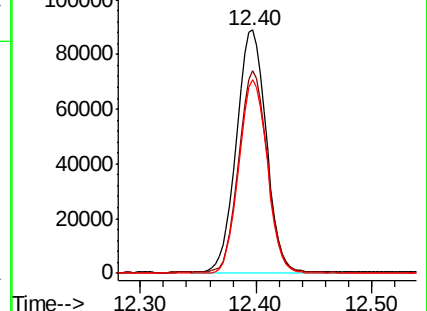
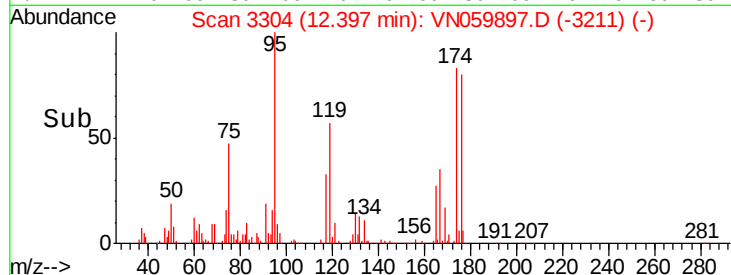
176 76.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059897.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059897.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059897.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

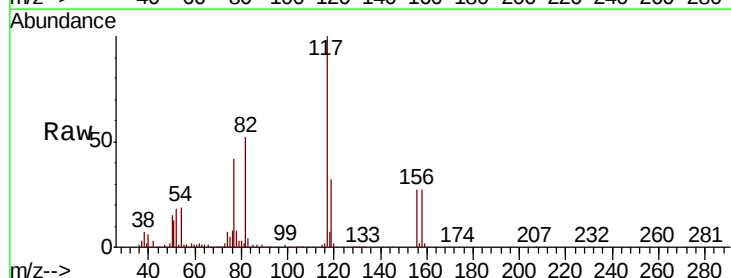
Tgt Ion: 117 Resp: 296177

Ion Ratio Lower Upper

117 100

82 51.7 45.9 68.9

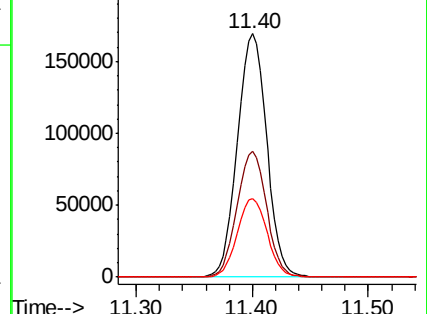
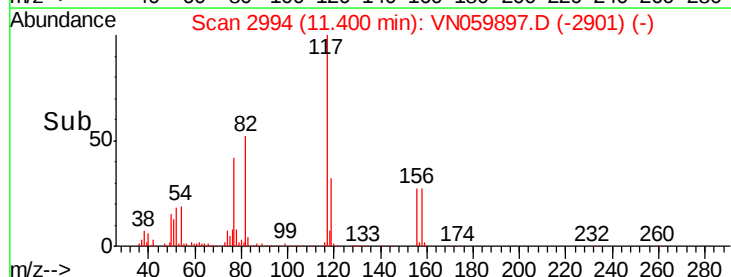
119 32.4 25.5 38.3

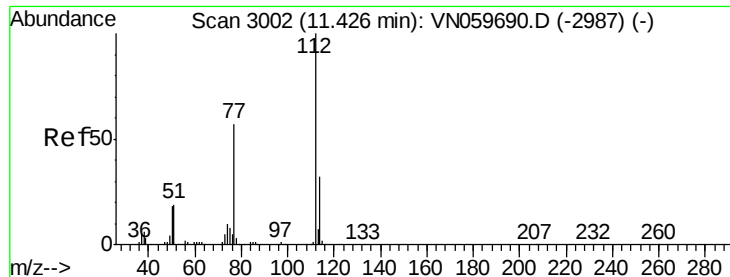


Abundance Ion 116.90 (116.60 to 117.60): VN059897.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059897.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059897.D (-2901) (-)





#65

Chlorobenzene

Concen: 0.201 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

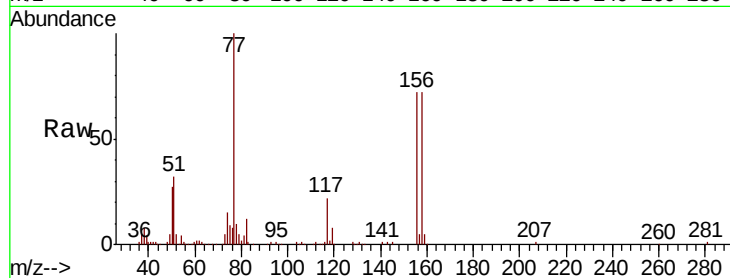
ClientSampleId :

Tot Ion:112 Resp: 1168

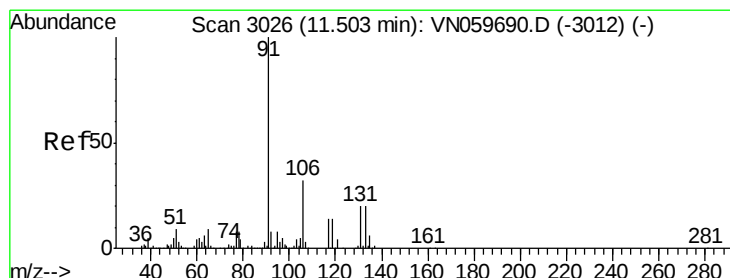
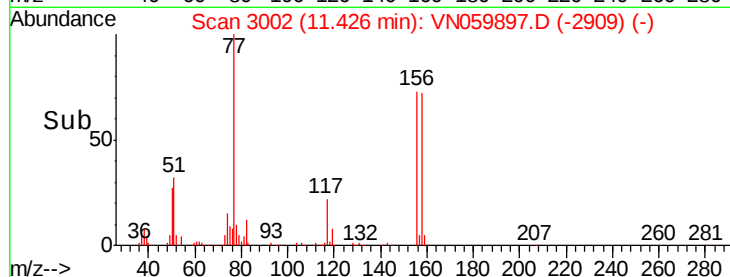
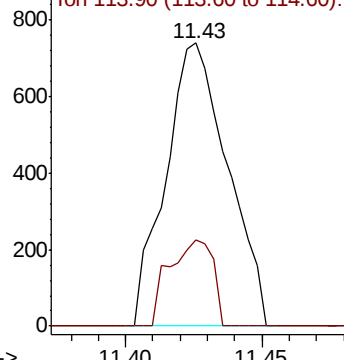
Ion Ratio Lower Upper

112 100

114 30.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.642 ug/l

RT: 11.41 min Scan# 2998

Delta R.T. -0.09 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

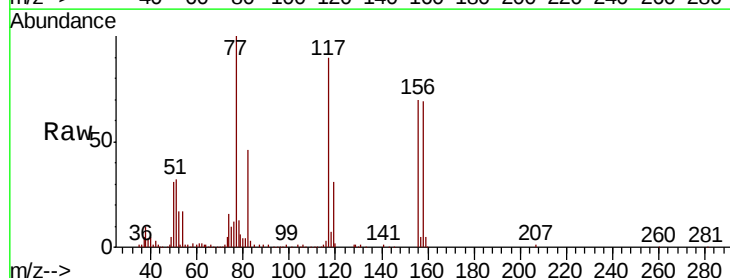
Tgt Ion:131 Resp: 1443

Ion Ratio Lower Upper

131 100

133 0.0 47.4 142.2#

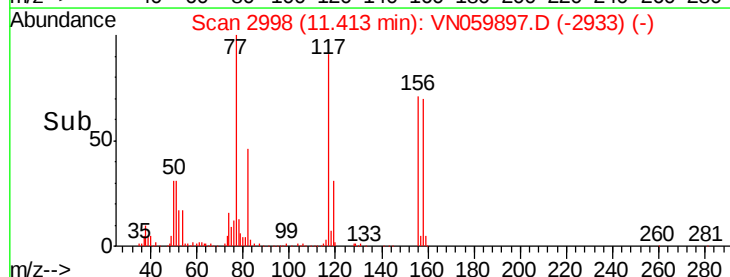
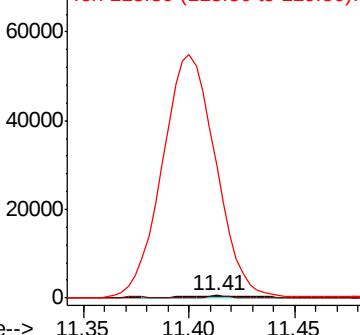
119 6797.2 33.1 99.3#

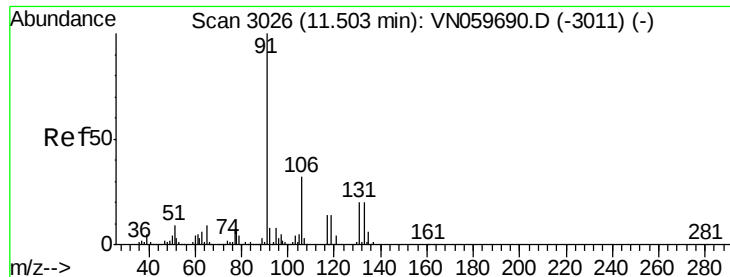


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

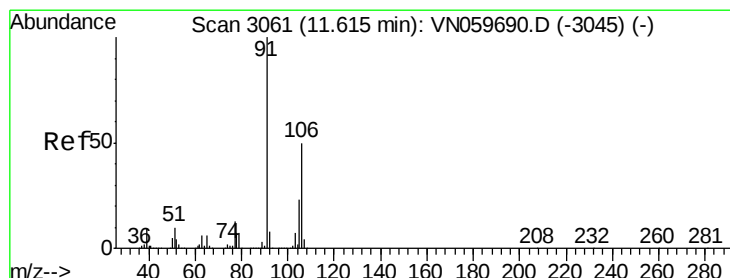
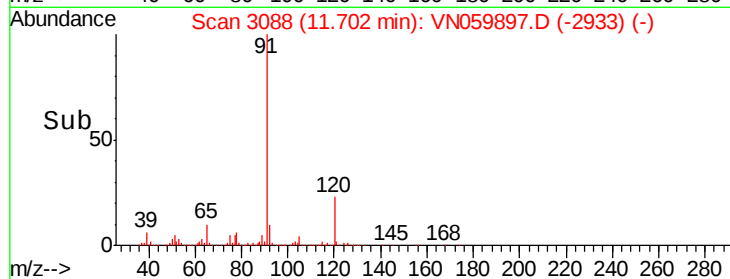
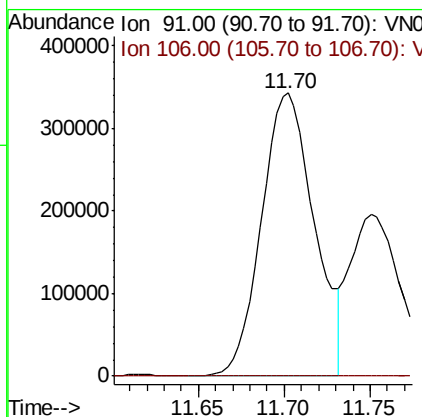
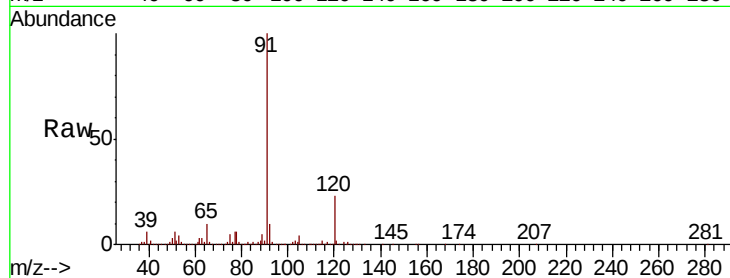




#67
Ethyl Benzene
Concen: 69.036 ug/l
RT: 11.70 min Scan# 3088
Delta R.T. 0.20 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

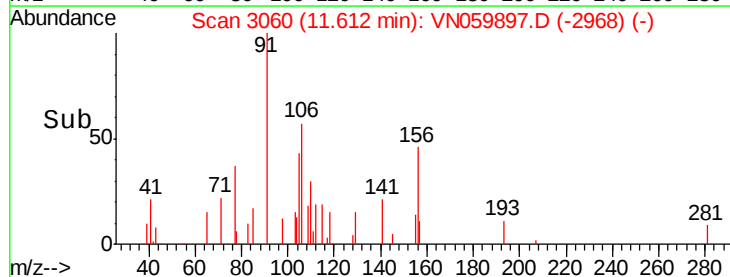
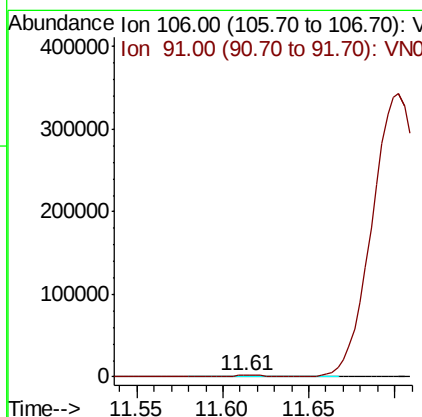
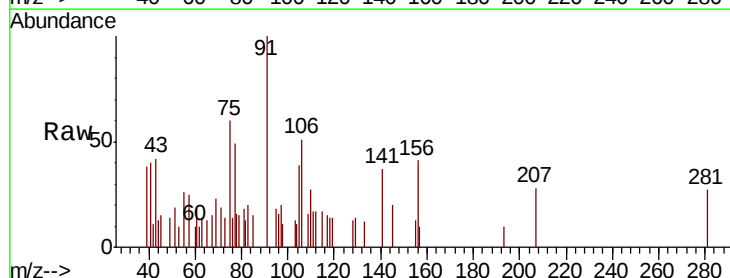
Instrument :
MSVOA_N
ClientSampled :

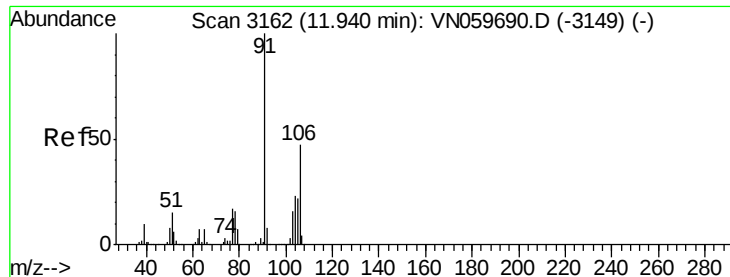
Tot Ion: 91 Resp: 729564
Ion Ratio Lower Upper
91 100
106 0.3 24.1 36.1#



#68
m/p-Xylenes
Concen: 0.428 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 106 Resp: 1709
Ion Ratio Lower Upper
106 100
91 0.0 167.9 251.9#

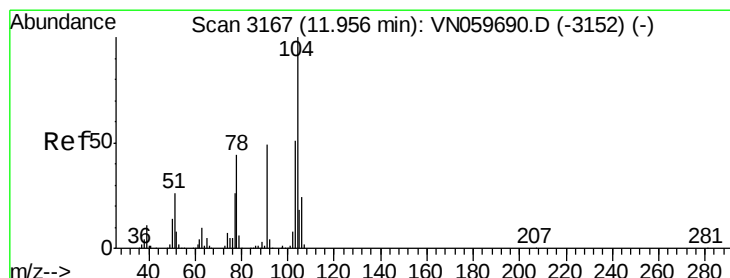
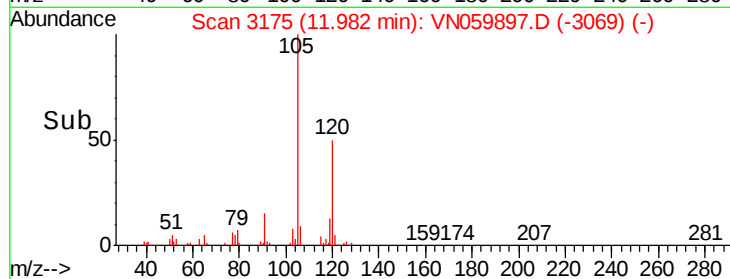
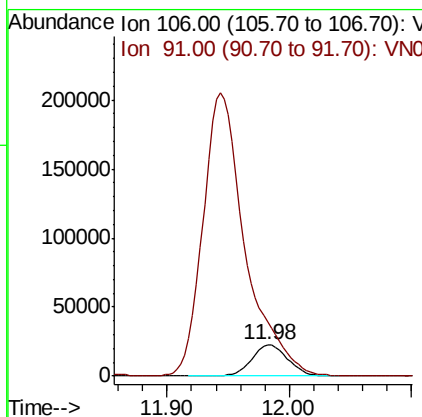
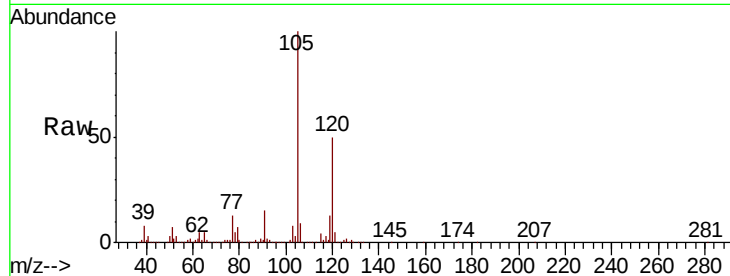




#69
o-Xylene
Concen: 11.941 ug/l
RT: 11.98 min Scan# 3175
Delta R.T. 0.04 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

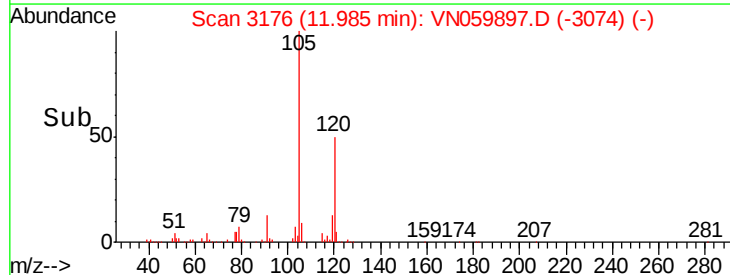
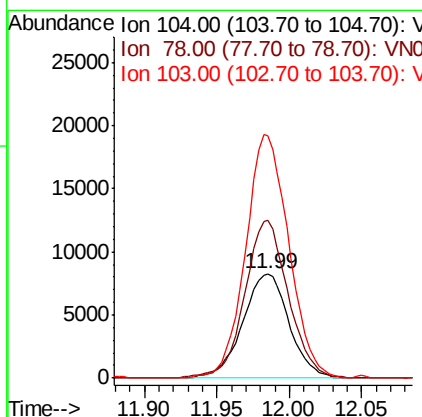
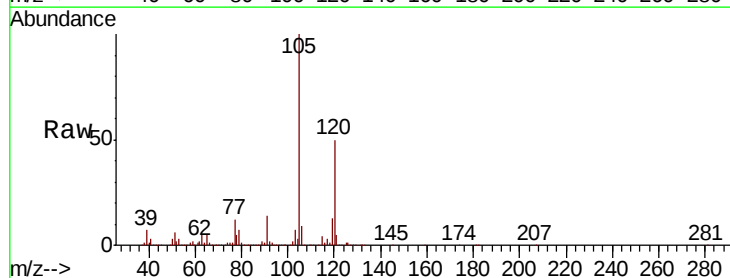
Instrument :
MSVOA_N
ClientSampled :

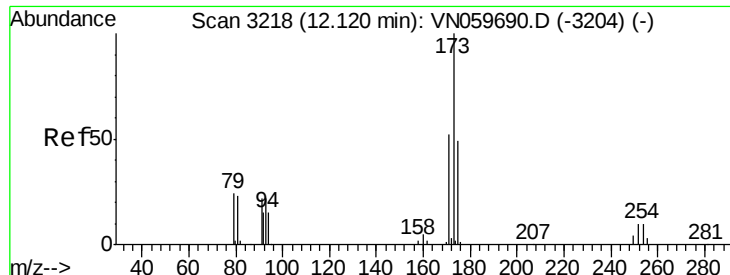
Tot Ion:106 Resp: 46666
Ion Ratio Lower Upper
106 100
91 0.0 110.3 330.9#



#70
Styrene
Concen: 2.798 ug/l
RT: 11.99 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion:104 Resp: 18299
Ion Ratio Lower Upper
104 100
78 142.4 42.4 63.6#
103 218.7 43.9 65.9#

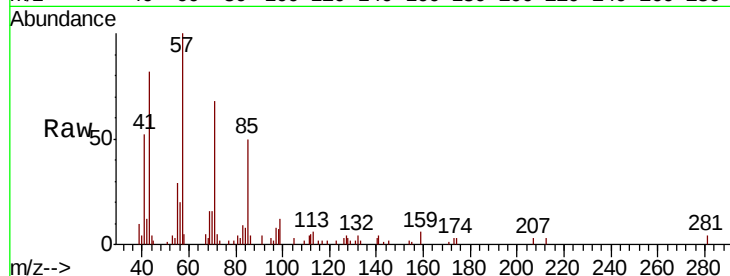




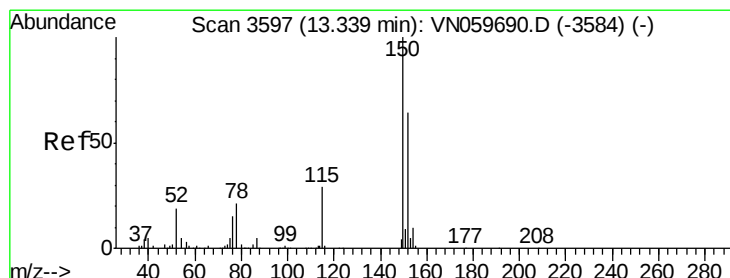
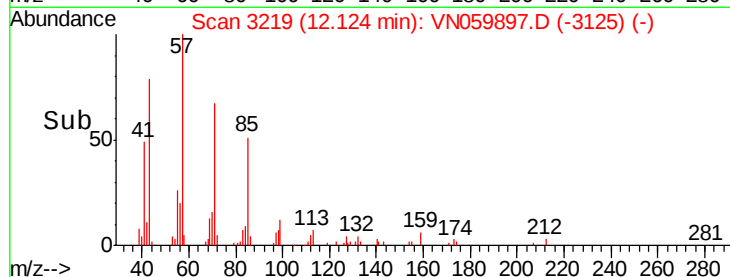
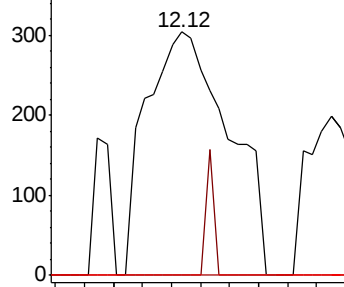
#71
Bromoform
Concen: 0.334 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 602
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0

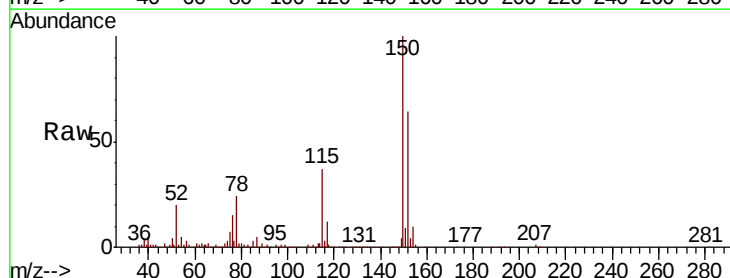


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

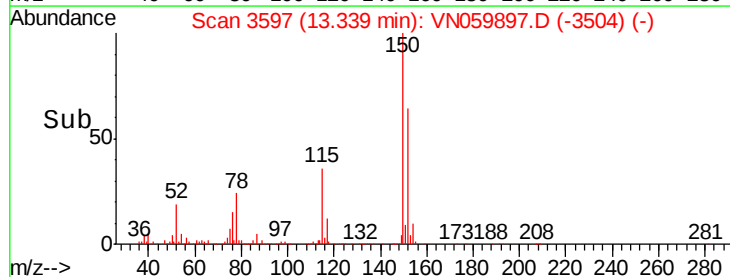
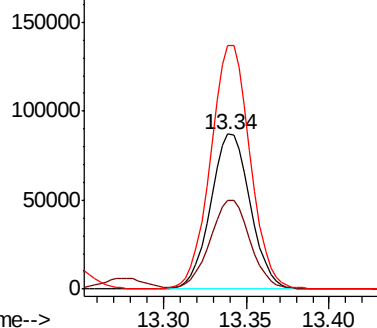


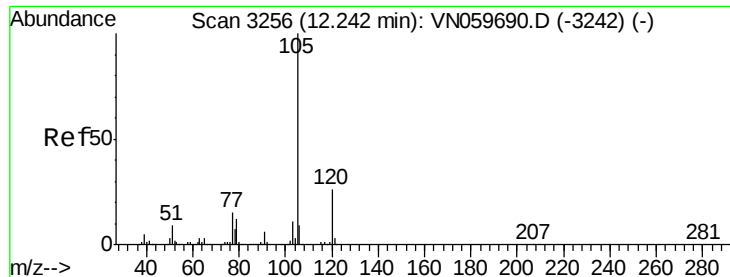
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion:152 Resp: 145033
Ion Ratio Lower Upper
152 100
115 57.1 30.3 90.9
150 155.8 0.0 345.2



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: 50.068 ug/l

RT: 12.45 min Scan# 3319

Delta R.T. 0.20 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

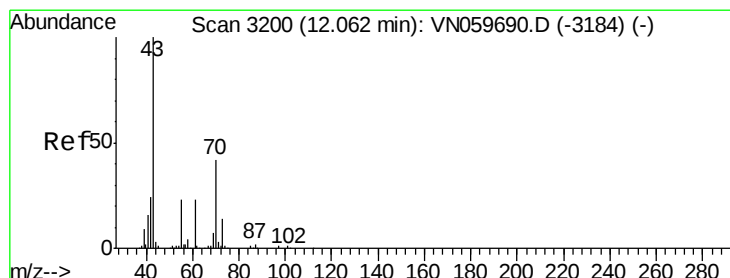
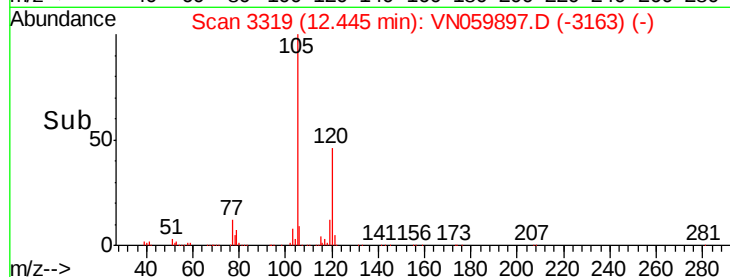
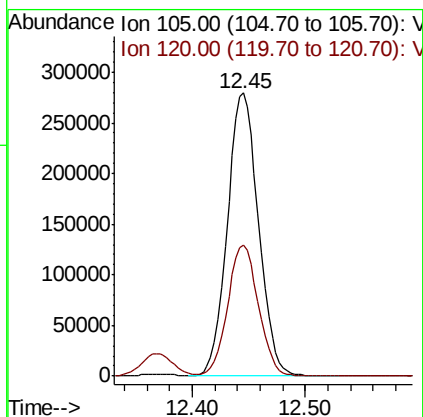
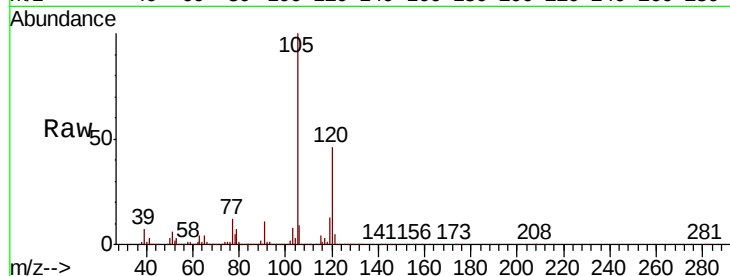
ClientSampleId :

Tot Ion:105 Resp: 532552

Ion Ratio Lower Upper

105 100

120 46.0 13.2 39.5#



#74

N-ethyl acetate

Concen: 3.127 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Tgt Ion: 43 Resp: 12907

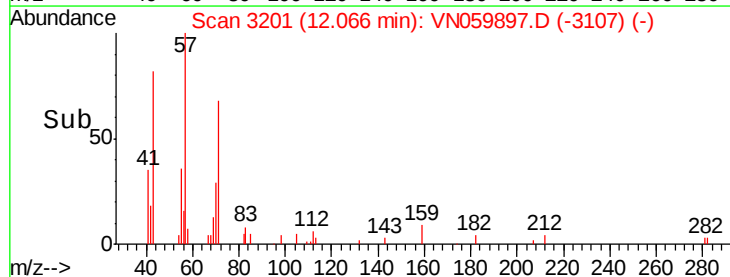
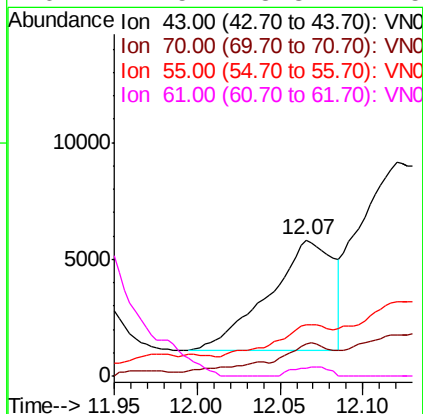
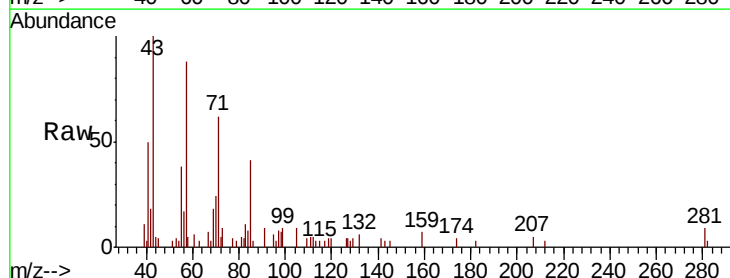
Ion Ratio Lower Upper

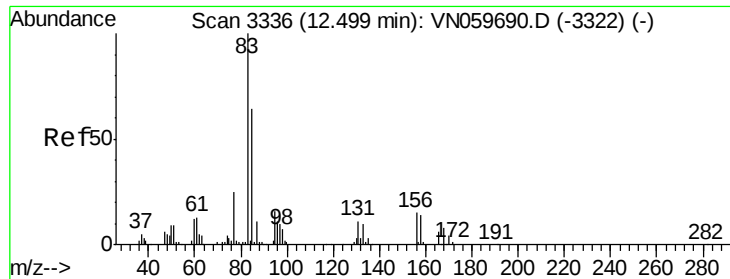
43 100

70 22.2 31.3 46.9#

55 23.2 19.8 29.6

61 4.5 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.560 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

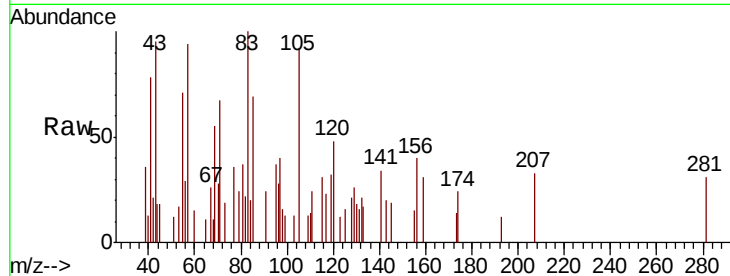
Tot Ion: 83 Resp: 1728

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

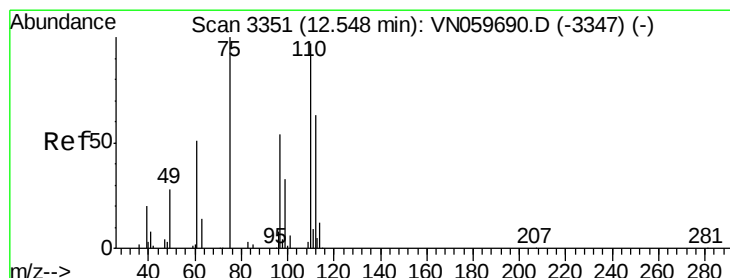
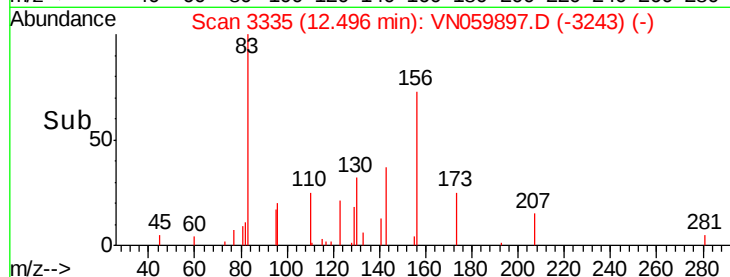
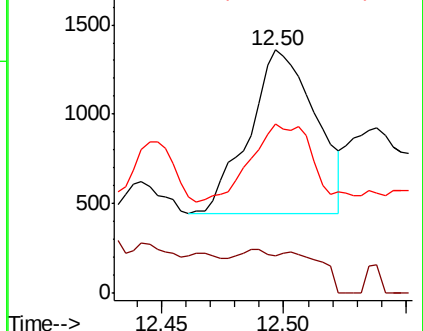
85 43.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059690.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059690.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059690.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.934 ug/l

RT: 12.64 min Scan# 3380

Delta R.T. 0.09 min

Lab File: VN059897.D

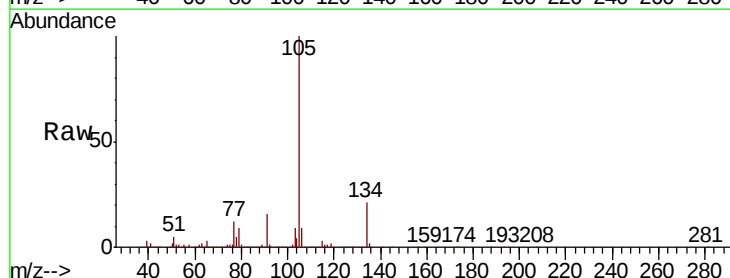
Acq: 28 Jan 2020 17:19

Tgt Ion: 75 Resp: 4721

Ion Ratio Lower Upper

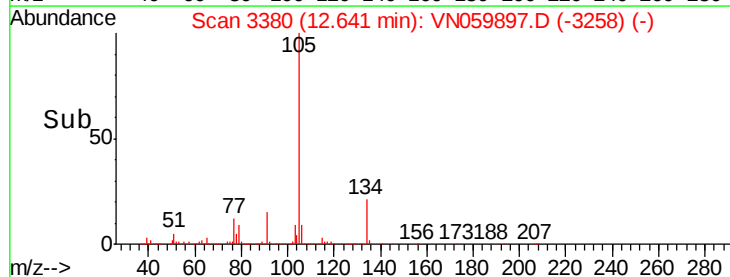
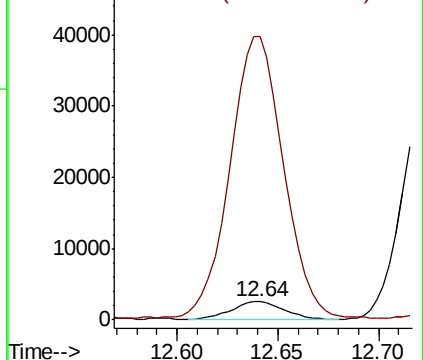
75 100

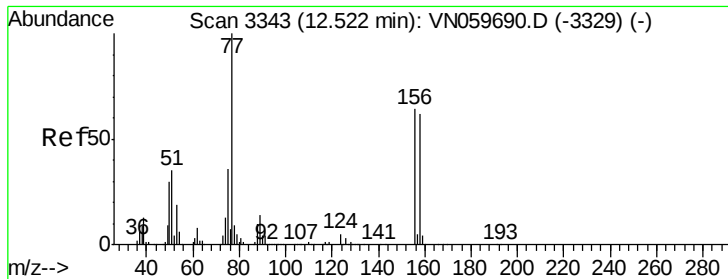
77 1547.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059690.D (-3347) (-)





#77

Bromobenzene

Concen: 0.923 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

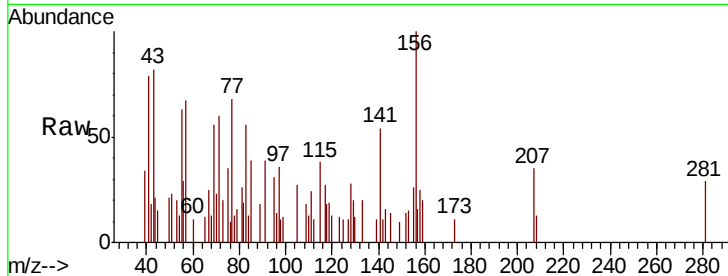
Tot Ion:156 Resp: 2486

Ion Ratio Lower Upper

156 100

77 0.0 115.8 347.4#

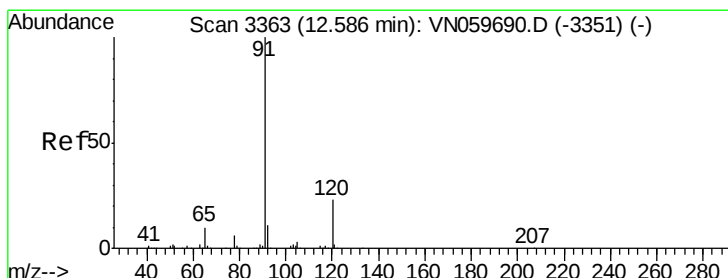
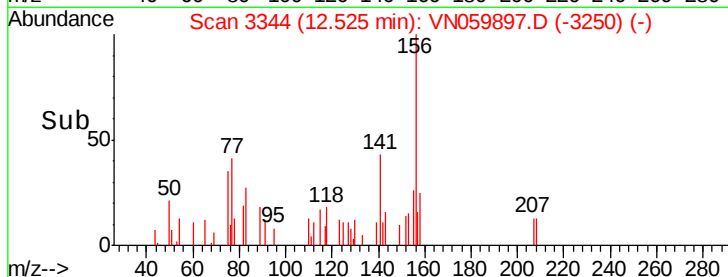
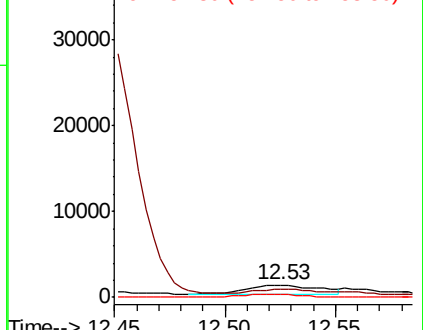
158 26.9 49.2 147.6#



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: 23.663 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. -0.22 min

Lab File: VN059897.D

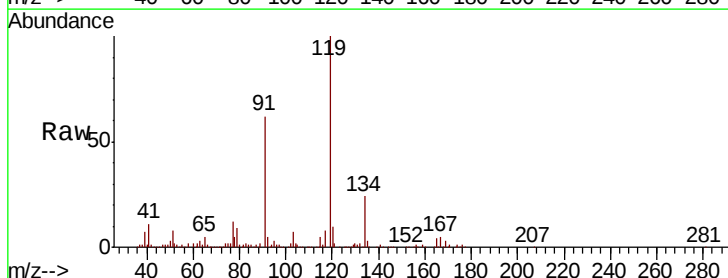
Acq: 28 Jan 2020 17:19

Tgt Ion: 91 Resp: 282499

Ion Ratio Lower Upper

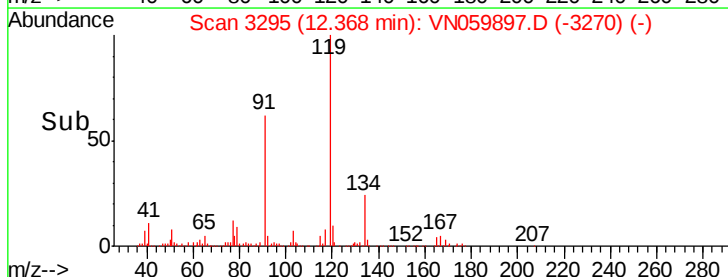
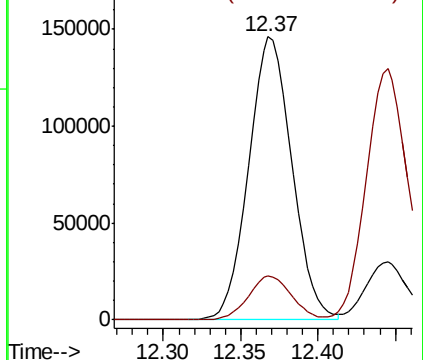
91 100

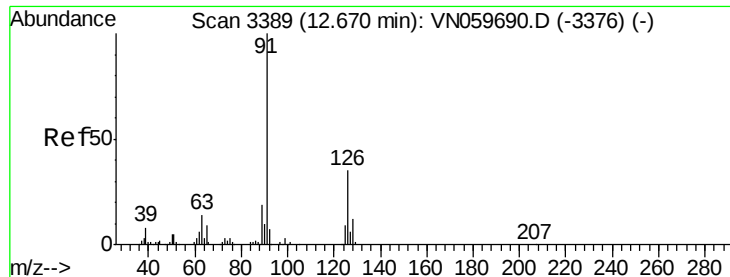
120 15.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 13.105 ug/l

RT: 12.64 min Scan# 3380

Delta R.T. -0.03 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

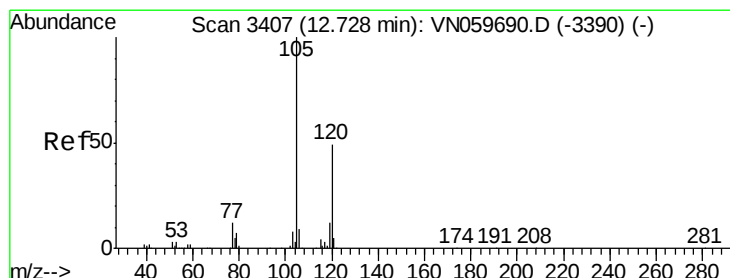
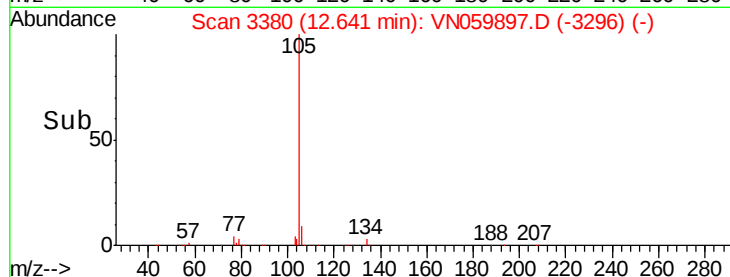
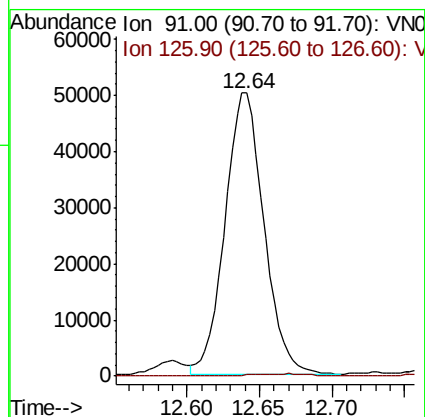
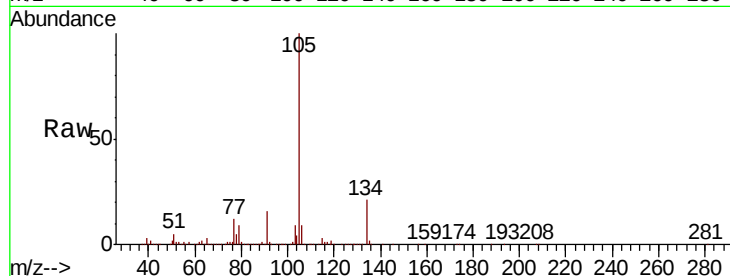
ClientSampleId :

Tot Ion: 91 Resp: 93072

Ion Ratio Lower Upper

91 100

126 0.2 16.3 48.9#



#80

1,3,5-Trimethylbenzene

Concen: 43.829 ug/l

RT: 12.45 min Scan# 3319

Delta R.T. -0.28 min

Lab File: VN059897.D

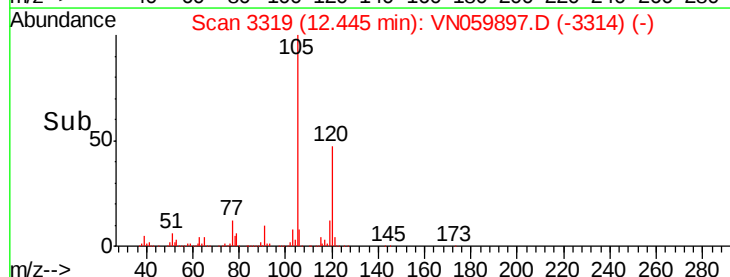
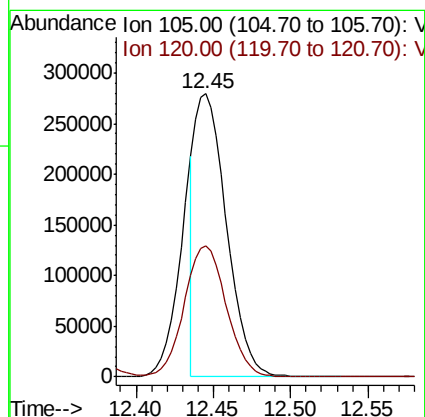
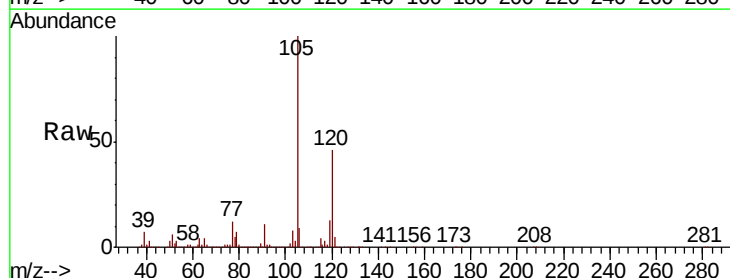
Acq: 28 Jan 2020 17:19

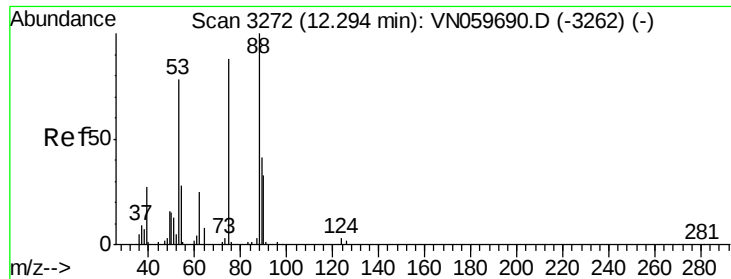
Tgt Ion: 105 Resp: 392066

Ion Ratio Lower Upper

105 100

120 46.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 66.825 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

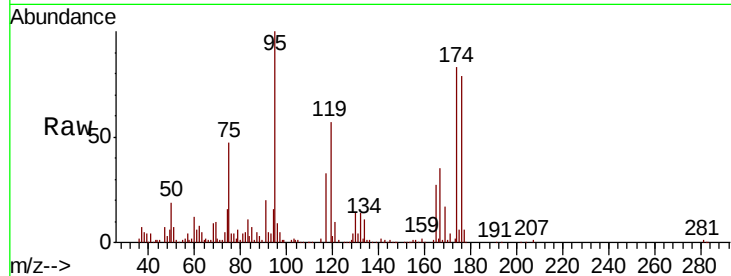
Tot Ion: 75 Resp: 75950

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

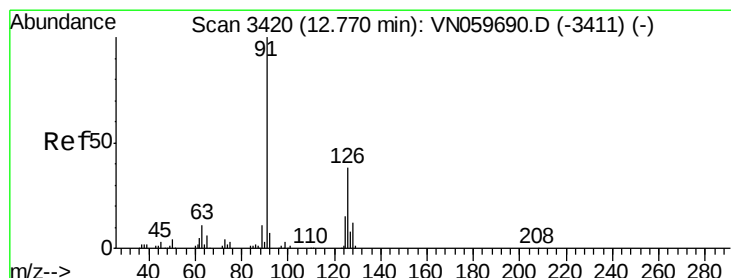
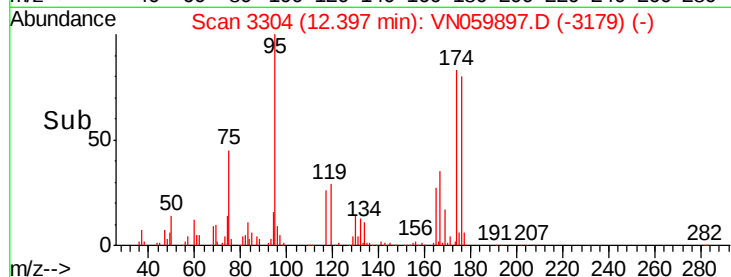
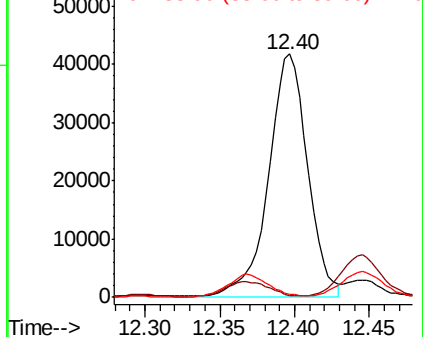
89 0.0 35.4 53.2#



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: 18.295 ug/l

RT: 12.84 min Scan# 3441

Delta R.T. 0.07 min

Lab File: VN059897.D

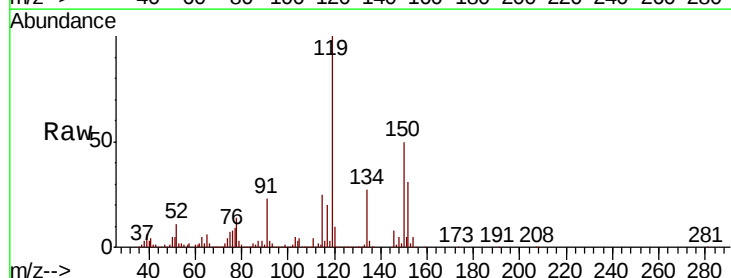
Acq: 28 Jan 2020 17:19

Tgt Ion: 91 Resp: 130327

Ion Ratio Lower Upper

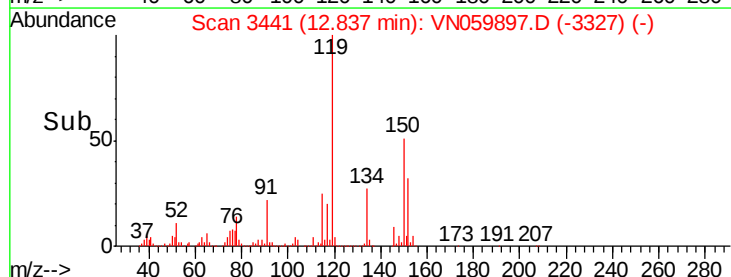
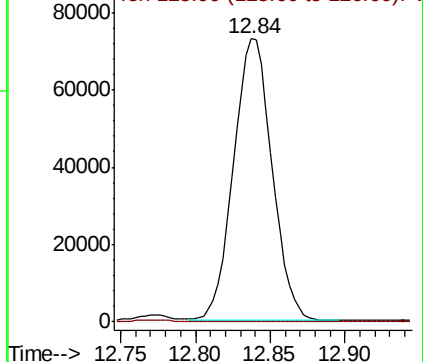
91 100

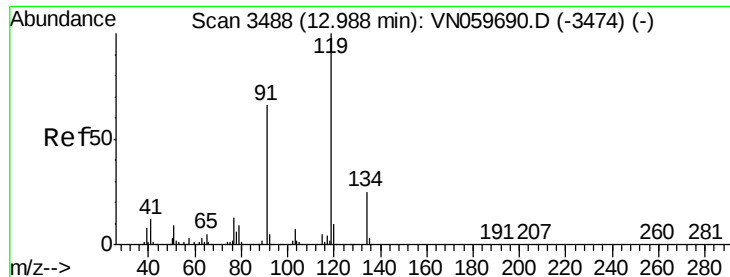
126 0.2 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 72.697 ug/l

RT: 12.84 min Scan# 3441

Delta R.T. -0.15 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

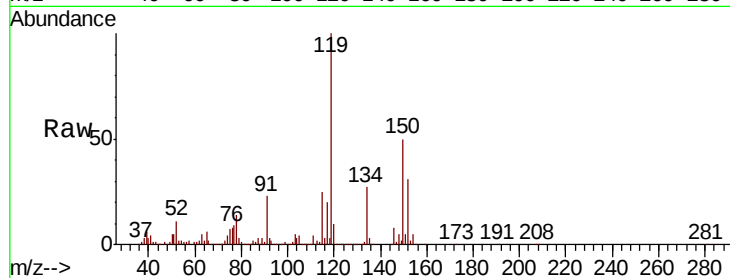
Tot Ion:119 Resp: 562434

Ion Ratio Lower Upper

119 100

91 23.2 34.8 104.4#

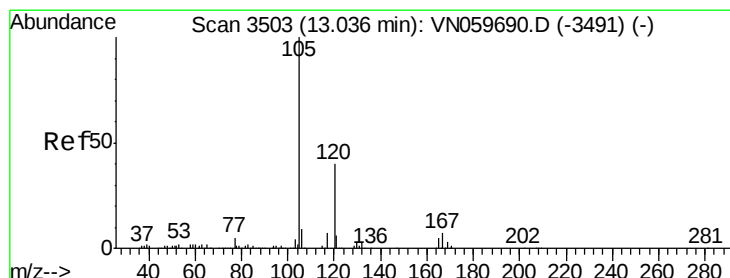
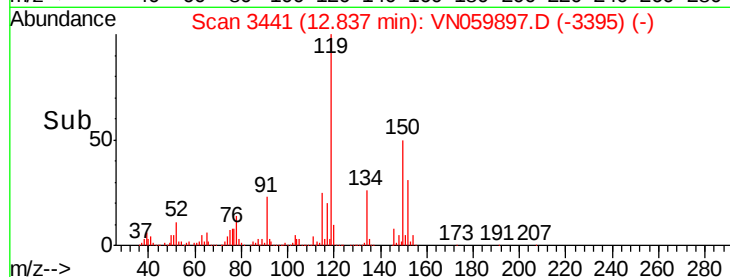
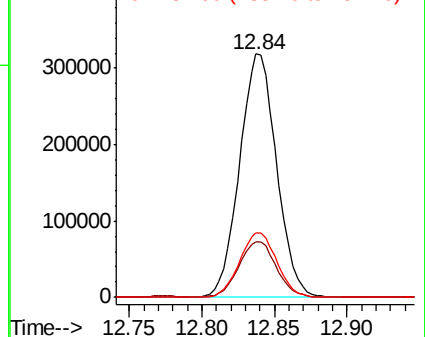
134 26.9 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.508 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059897.D

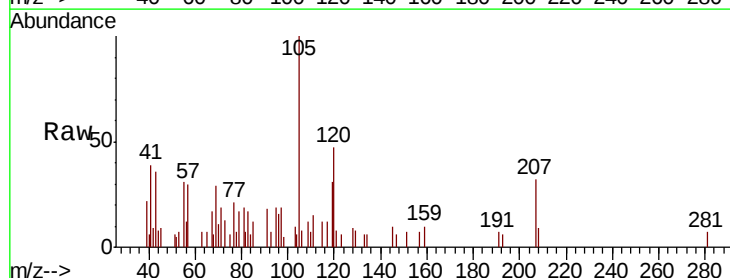
Acq: 28 Jan 2020 17:19

Tgt Ion:105 Resp: 4492

Ion Ratio Lower Upper

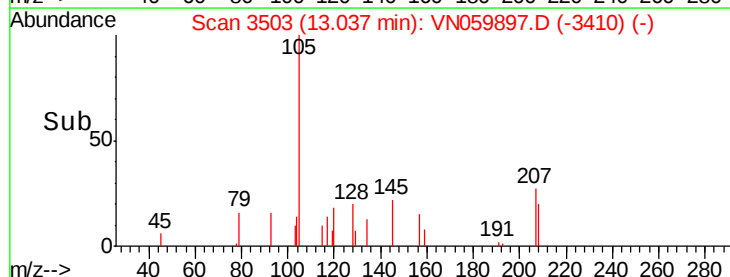
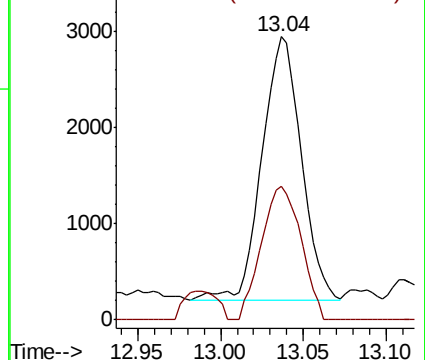
105 100

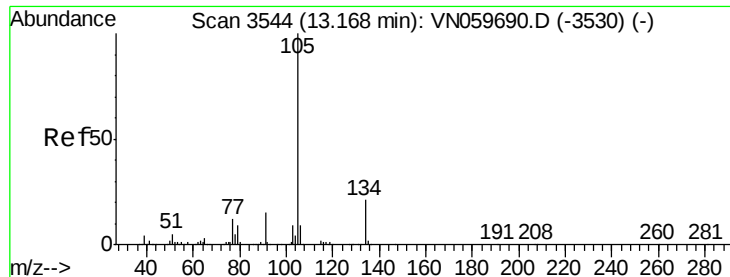
120 51.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.966 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

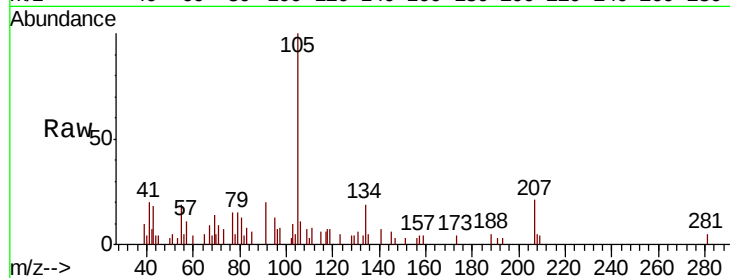
ClientSampleId :

Tot Ion:105 Resp: 9818

Ion Ratio Lower Upper

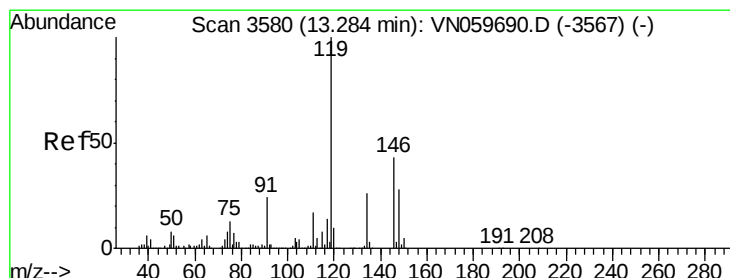
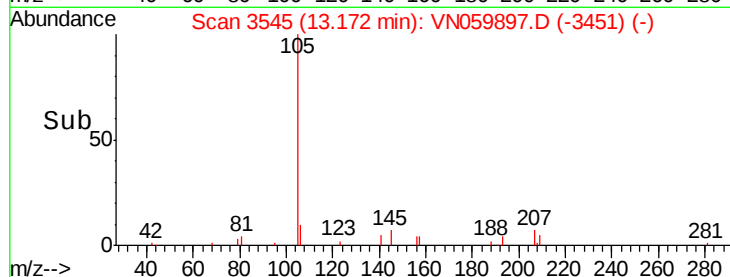
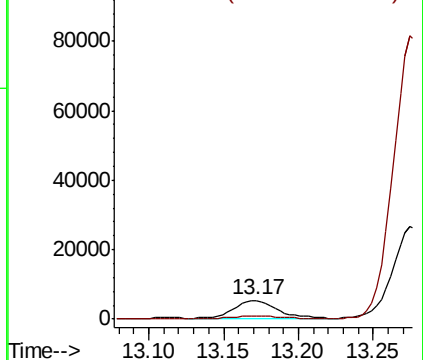
105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.667 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

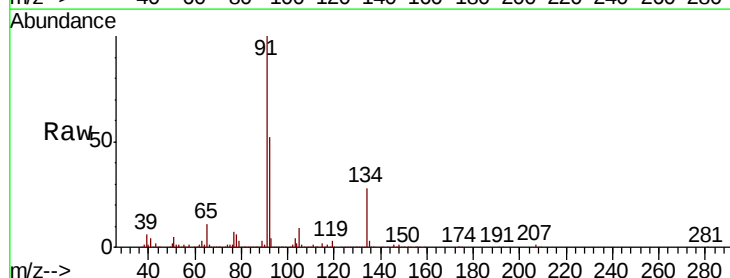
Tgt Ion:119 Resp: 15681

Ion Ratio Lower Upper

119 100

134 896.2 12.9 38.7#

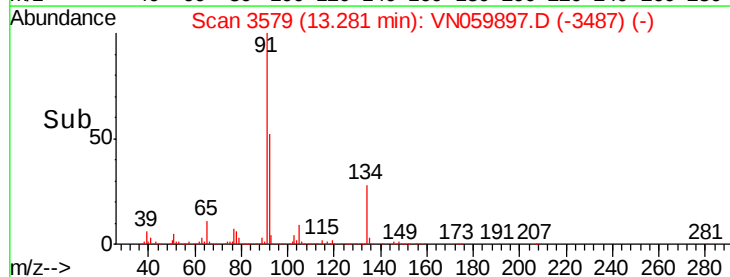
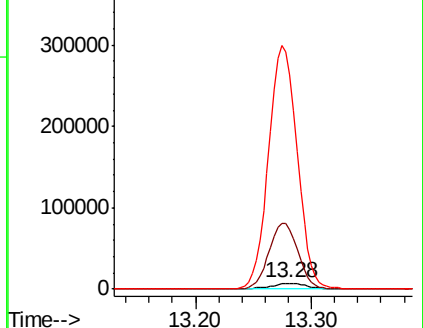
91 3254.8 12.4 37.4#

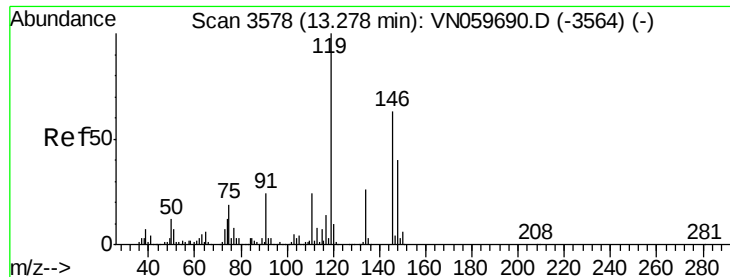


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 65.221 ug/l

RT: 13.24 min Scan# 3566

Delta R.T. -0.04 min

Lab File: VN059897.D

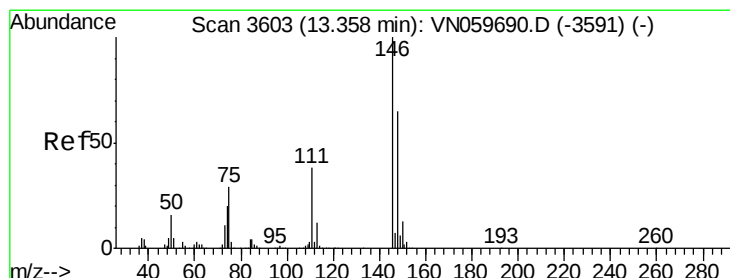
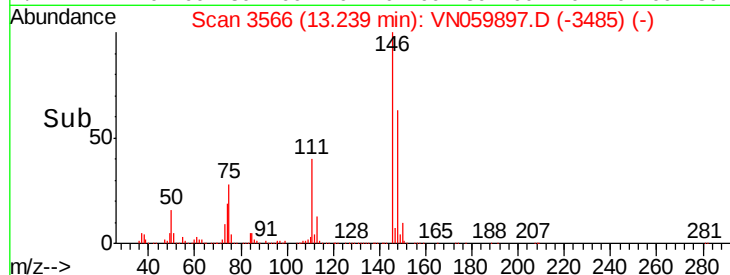
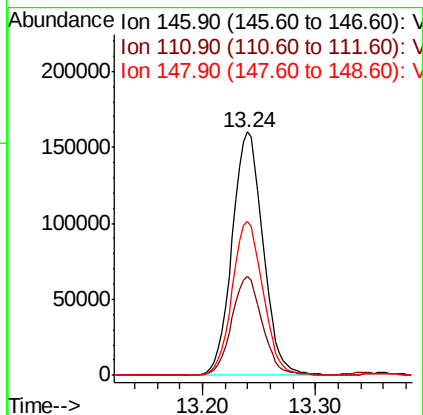
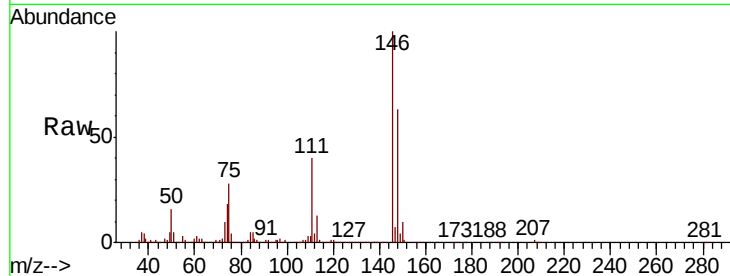
Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	305165
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	63.2	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 65.378 ug/l

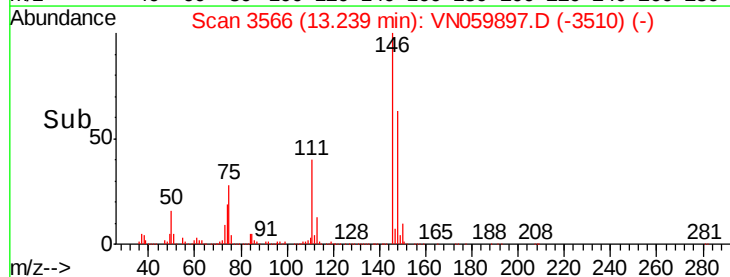
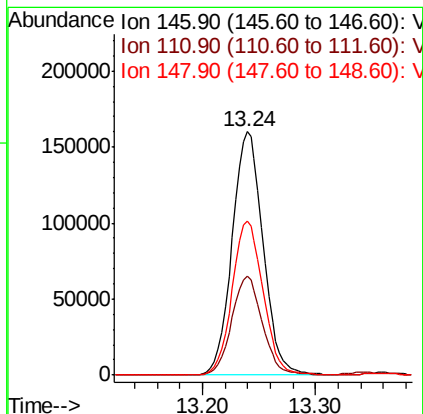
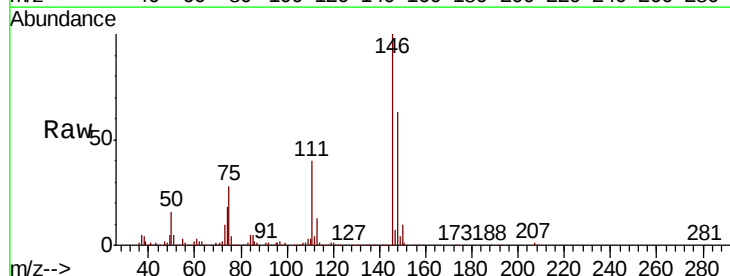
RT: 13.24 min Scan# 3566

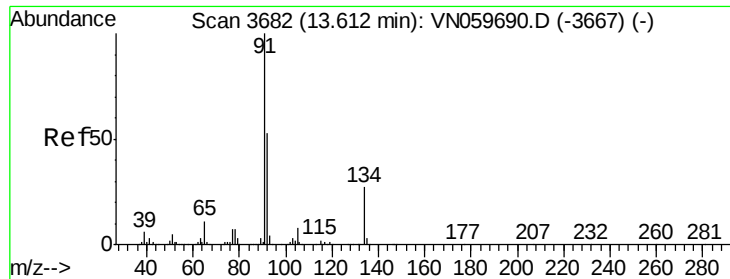
Delta R.T. -0.12 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Tgt Ion:	146	Resp:	305165
Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	63.2	31.8	95.4

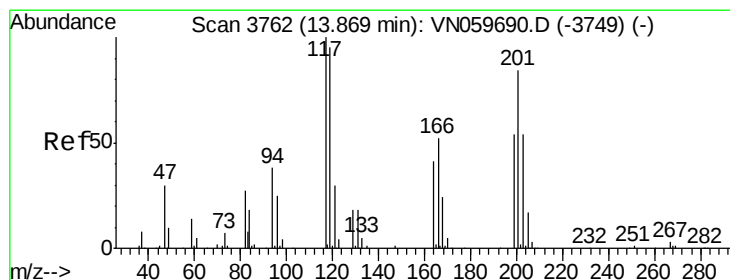
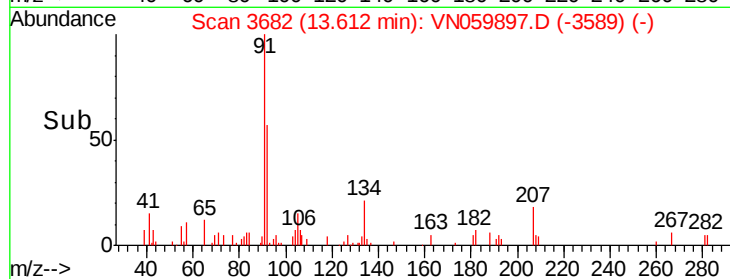
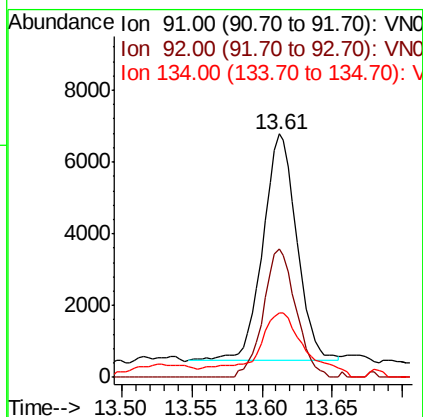
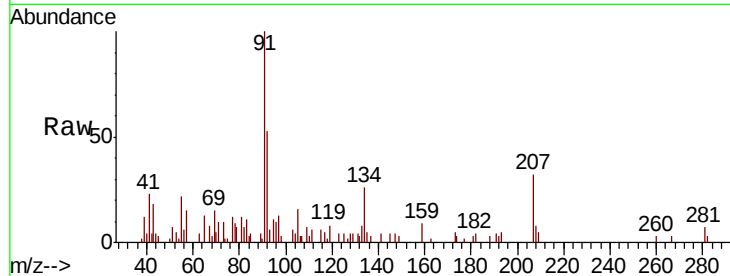




#89
n-Butylbenzene
Concen: 1.303 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

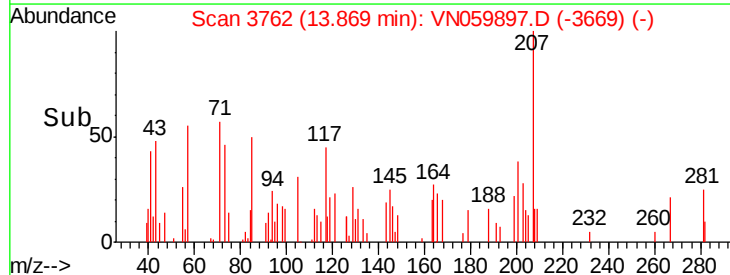
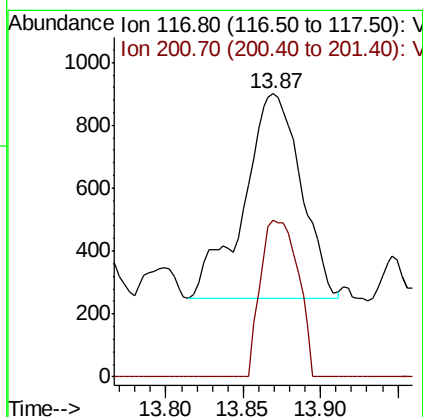
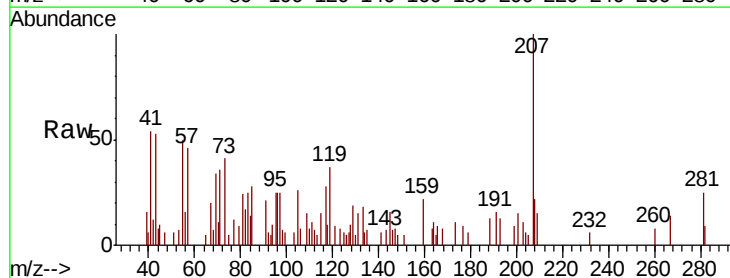
Instrument :
MSVOA_N
ClientSampled :

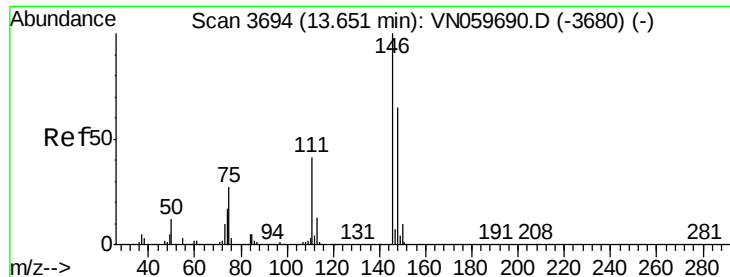
Tot Ion: 91 Resp: 10448
Ion Ratio Lower Upper
91 100
92 54.9 25.9 77.7
134 41.7 12.3 36.8#



#90
Hexachloroethane
Concen: 0.956 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059897.D
Acq: 28 Jan 2020 17:19

Tgt Ion: 117 Resp: 1682
Ion Ratio Lower Upper
117 100
201 50.4 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 0.494 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

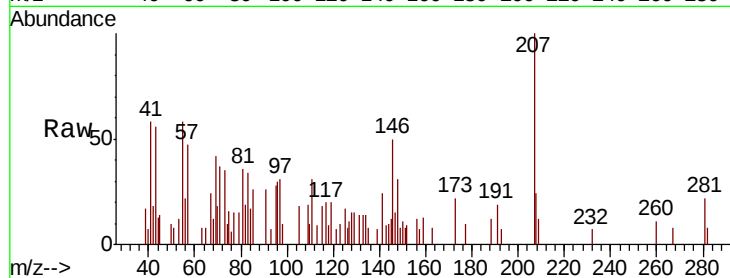
Tot Ion:146 Resp: 2286

Ion Ratio Lower Upper

146 100

111 23.2 21.6 64.8

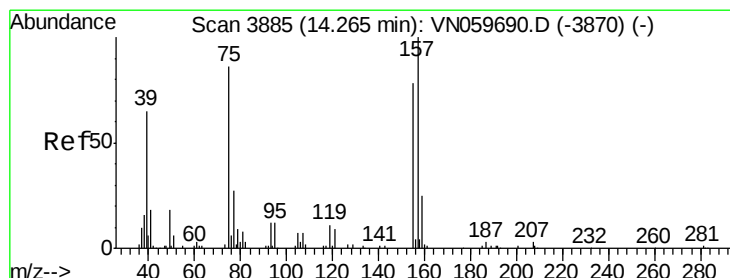
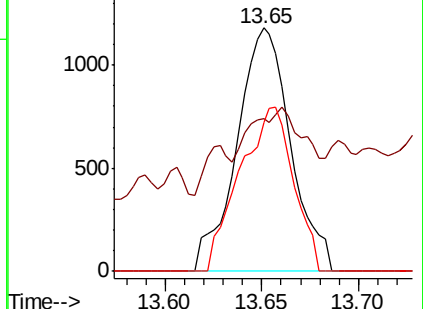
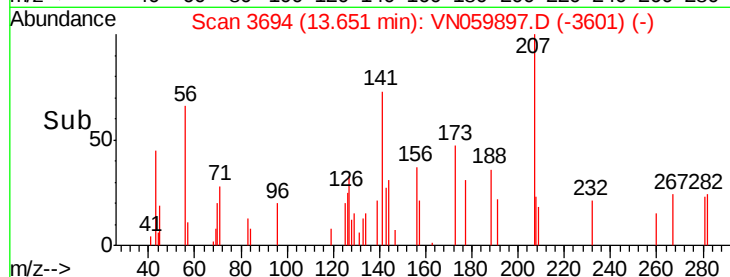
148 67.2 31.6 95.0



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: 60.348 ug/l

RT: 14.05 min Scan# 3818

Delta R.T. -0.21 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

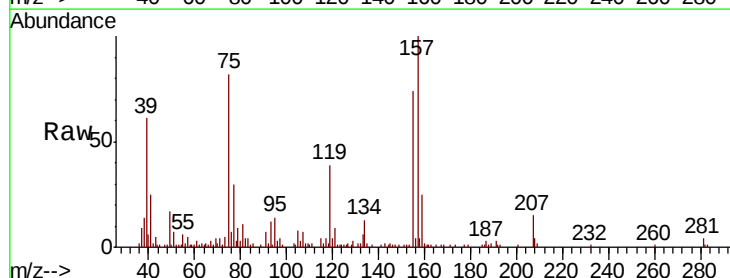
Tgt Ion: 75 Resp: 39655

Ion Ratio Lower Upper

75 100

155 92.2 37.0 110.9

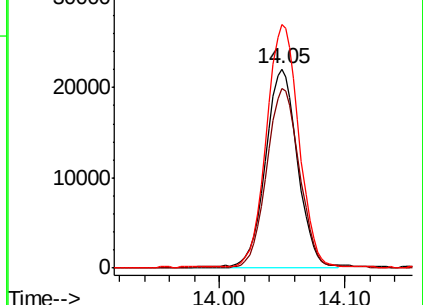
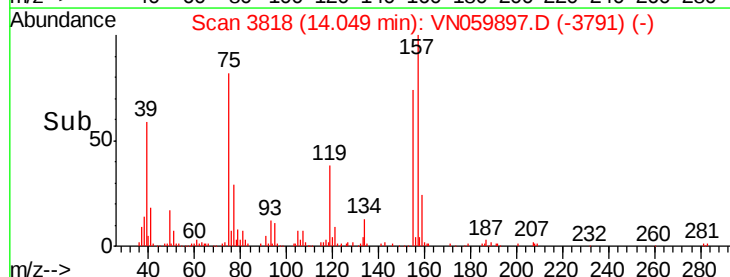
157 120.5 48.4 145.2

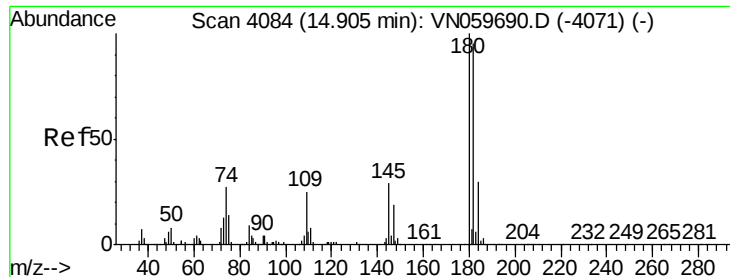


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

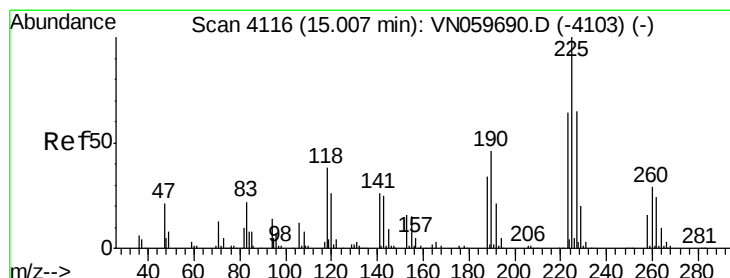
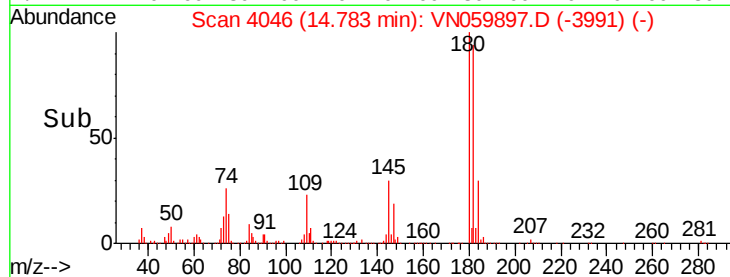
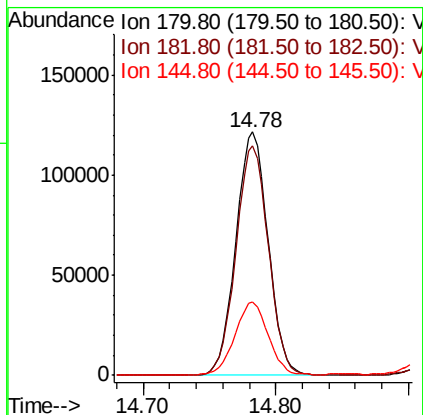
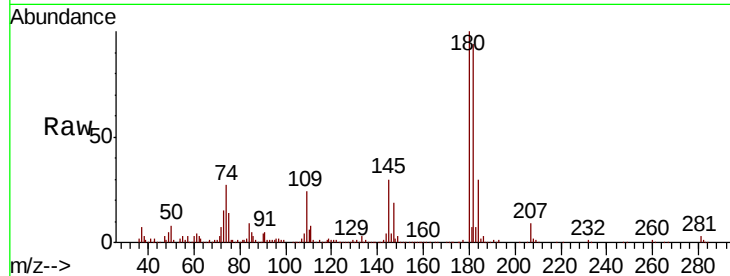




#93
 1,2,4-Trichlorobenzene
 Concen: 73.956 ug/l
 RT: 14.78 min Scan# 4046
 Delta R.T. -0.12 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

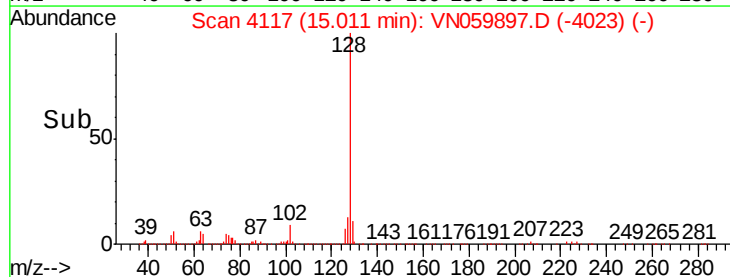
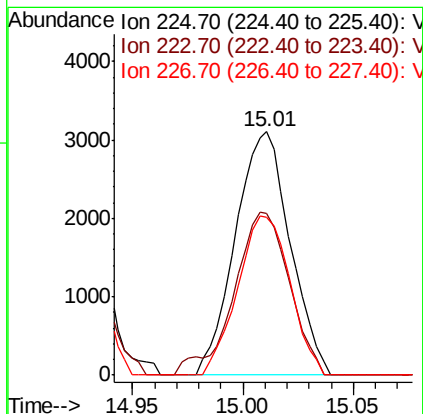
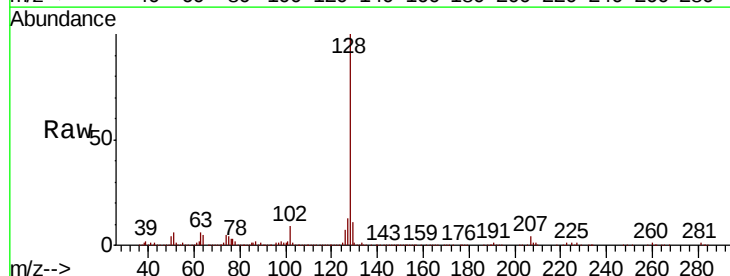
Instrument :
 MSVOA_N
 ClientSampleId :

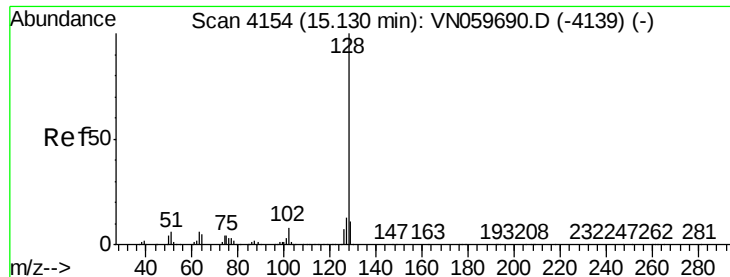
Tot Ion:180 Resp: 205558
 Ion Ratio Lower Upper
 180 100
 182 94.8 46.9 140.7
 145 31.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 3.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059897.D
 Acq: 28 Jan 2020 17:19

Tgt Ion:225 Resp: 5348
 Ion Ratio Lower Upper
 225 100
 223 67.5 31.8 95.3
 227 62.3 32.1 96.5





#95

Naphthalene

Concen: 3.541 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

Instrument :

MSVOA_N

ClientSampled :

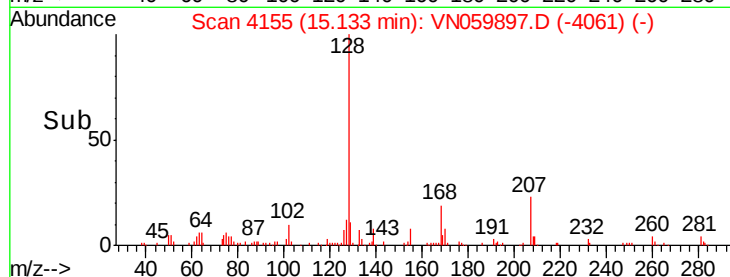
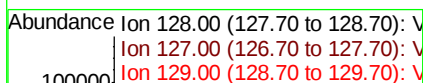
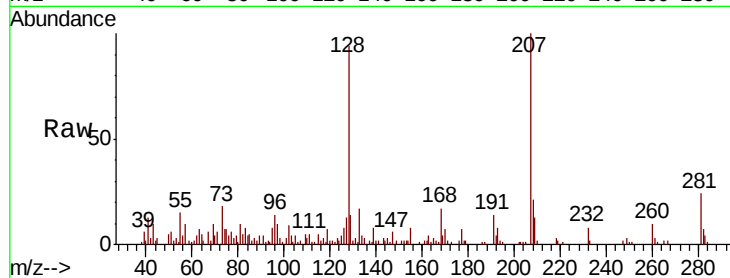
Tot Ion:128 Resp: 27993

Ion Ratio Lower Upper

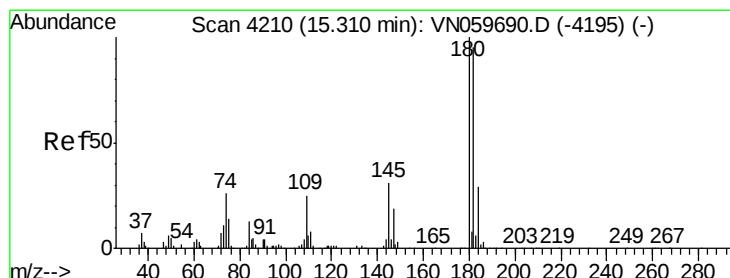
128 100

127 11.2 10.4 15.6

129 11.2 8.6 12.8



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 76.233 ug/l

RT: 15.21 min Scan# 4180

Delta R.T. -0.10 min

Lab File: VN059897.D

Acq: 28 Jan 2020 17:19

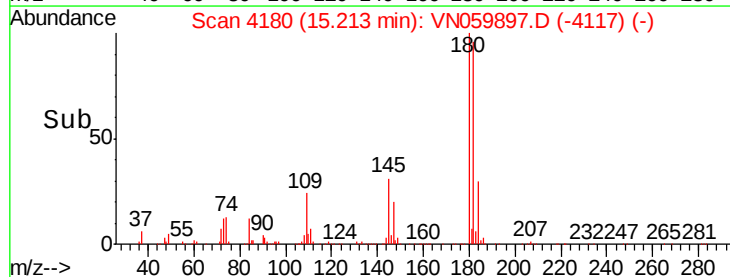
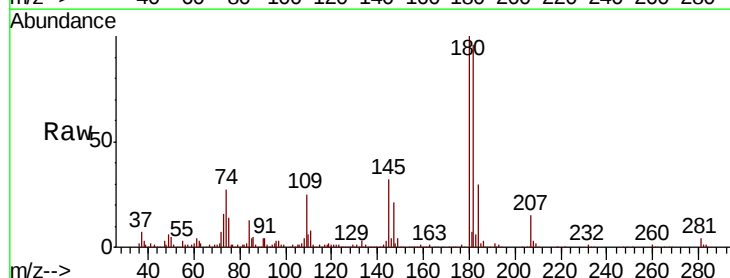
Tgt Ion:180 Resp: 206243

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.3

145 31.4 16.3 48.9



Time-->