

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057095.D
 Acq On : 6 Aug 2019 12:01
 Operator : JC/SP
 Sample : K4131-37
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

Quant Time: Aug 07 02:22:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	508899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	724715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	605699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211791	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	247140	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.58	113	214663	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
50) Toluene-d8	10.08	98	834990	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.40	95	249073	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	

Target Compounds						Qvalue
10) Methyl Iodide	3.92	142	1449	0.231	ug/l #	69
11) Tert butyl alcohol	4.73	59	3749	5.324	ug/l #	74
16) Acetone	3.83	43	10778	5.711	ug/l	90
18) Methyl Acetate	4.32	43	14357	2.385	ug/l #	69
20) Methylene Chloride	4.52	84	7356	1.353	ug/l #	87
25) 2-Butanone	6.84	43	543	0.203	ug/l #	86
31) Cyclohexane	7.65	56	7354	0.859	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	31437	4.930	ug/l #	45
38) Carbon Tetrachloride	7.65	117	41388	6.861	ug/l #	16
43) Isopropyl Acetate	8.16	43	30270	3.586	ug/l #	75
45) 1,2-Dichloropropane	9.27	63	1494	0.284	ug/l #	44
48) Methyl methacrylate	9.18	41	7266	1.783	ug/l #	12
49) 1,4-Dioxane	9.20	88	67	0.798	ug/l #	25
51) 4-Methyl-2-Pentanone	9.98	43	4205	0.838	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	45927	6.111	ug/l #	64
56) Ethyl methacrylate	10.42	69	437	1.820	ug/l #	28
57) 1,3-Dichloropropane	10.76	76	9270	1.181	ug/l #	42
59) 2-Hexanone	10.76	43	128310	35.386	ug/l #	51
60) Dibromochloromethane	10.63	129	1016	0.210	ug/l #	11
64) Tetrachloroethene	10.63	164	1044	0.200	ug/l	96
68) m/p-Xylenes	11.62	106	2056	0.261	ug/l	90
70) Styrene	11.96	104	2258	2.026	ug/l #	76
74) N-amyl acetate	12.07	43	2770	0.521	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.51	83	267	Below Cal	#	40
76) 1,2,3-Trichloropropane	12.40	75	114386	26.594	ug/l #	100
77) Bromobenzene	12.53	156	1191	0.249	ug/l	96
79) 2-Chlorotoluene	12.67	91	2714	0.226	ug/l	89
80) 1,3,5-Trimethylbenzene	12.73	105	3278	0.218	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	114386	85.447	ug/l #	15
82) 4-Chlorotoluene	12.77	91	3701	0.329	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	3291	0.228	ug/l	87
87) 1,3-Dichlorobenzene	13.28	146	4723	0.650	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	4723	0.675	ug/l	89
89) n-Butylbenzene	13.61	91	5017	0.427	ug/l	97

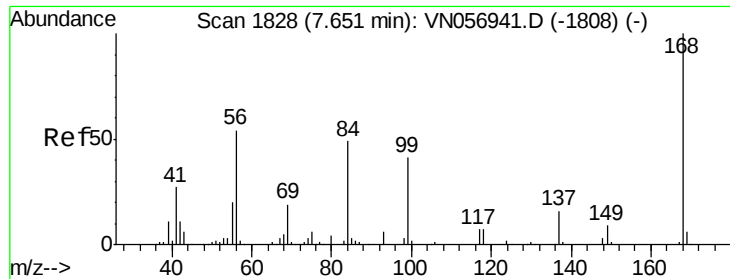
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
Data File : VN057095.D
Acq On : 6 Aug 2019 12:01
Operator : JC/SP
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.65	146	5134	0.718	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	8162	4.804	ug/l	95
94) Hexachlorobutadiene	15.00	225	2796	Below Cal		96
95) Naphthalene	15.12	128	10337	4.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	7670	4.023	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

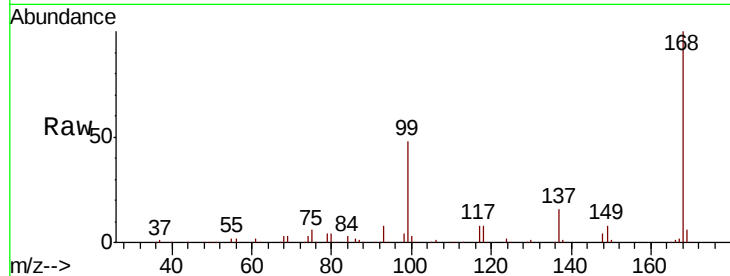
1S-E1-(30)

Tgt Ion:168 Resp: 508899

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.65

250000

200000

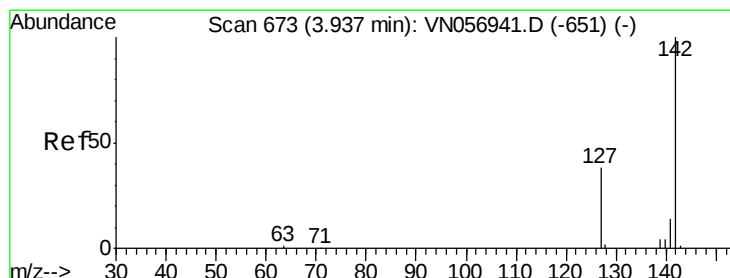
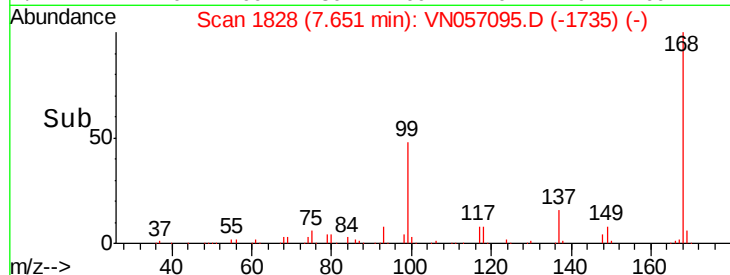
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 0.231 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

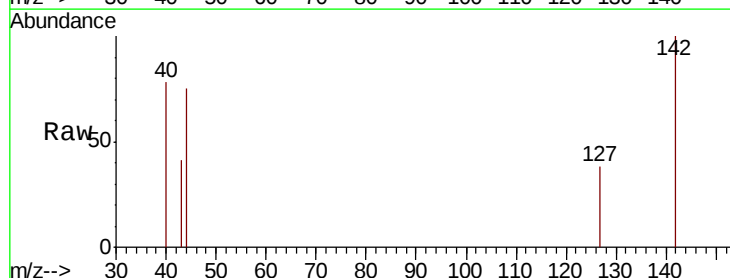
Tgt Ion:142 Resp: 1449

Ion Ratio Lower Upper

142 100

127 19.7 30.4 45.6#

141 0.0 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

3.92

800

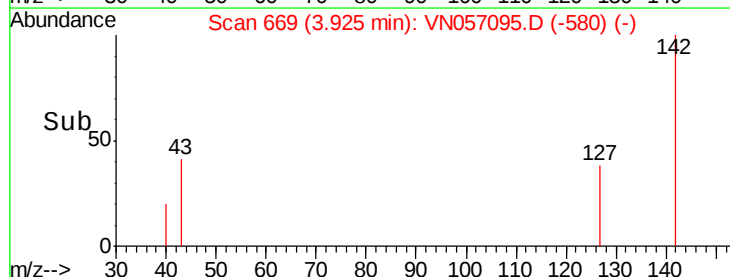
600

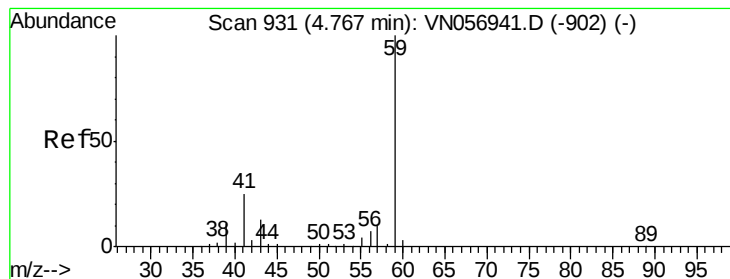
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200

0

Time-->



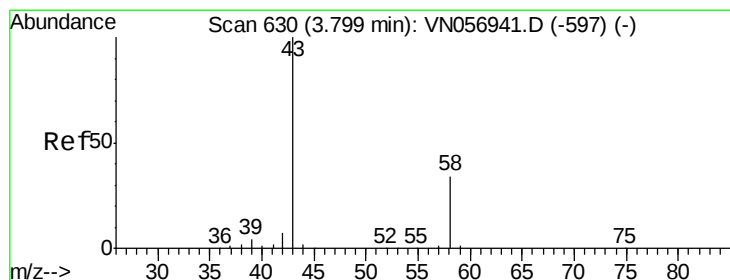
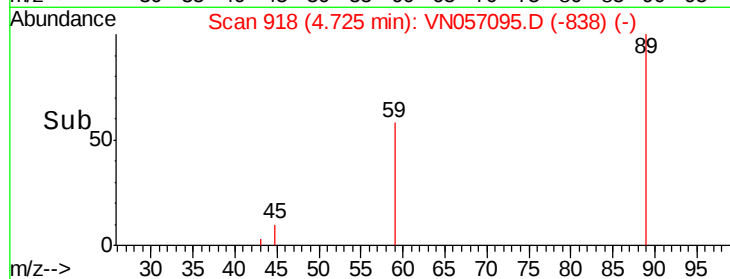
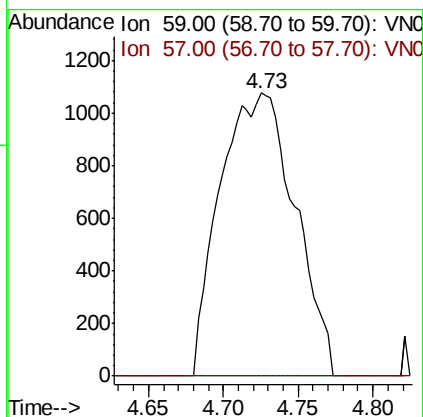
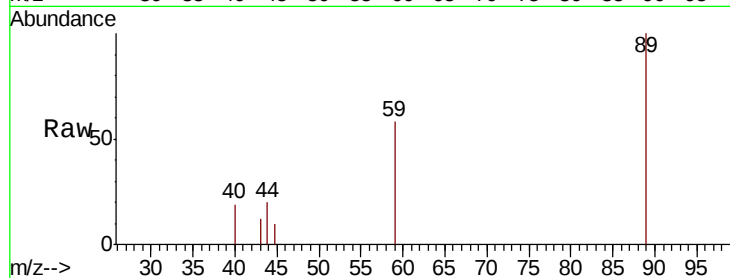


#11

Tert butyl alcohol
 Concen: 5.324 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.04 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

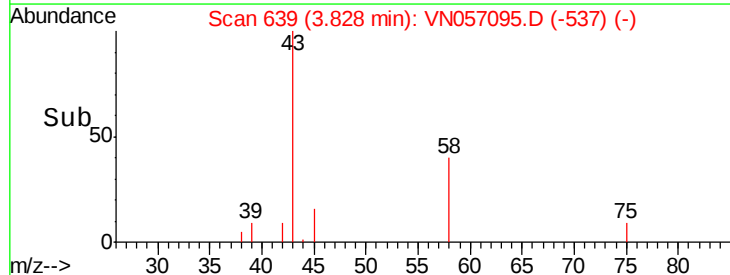
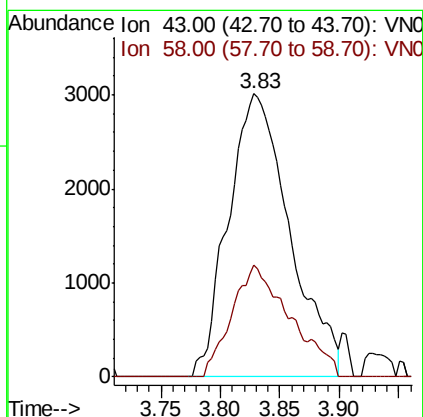
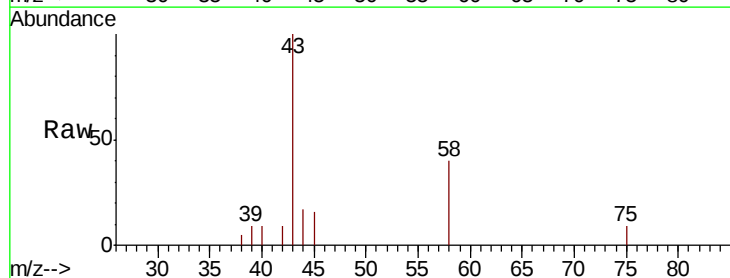
Tgt Ion: 59 Resp: 3749
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

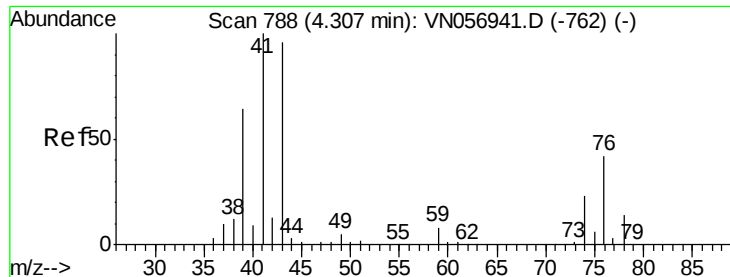


#16

Acetone
 Concen: 5.711 ug/l
 RT: 3.83 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 43 Resp: 10778
 Ion Ratio Lower Upper
 43 100
 58 39.6 27.2 40.8

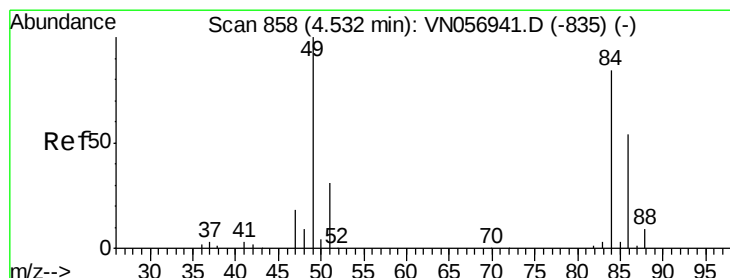
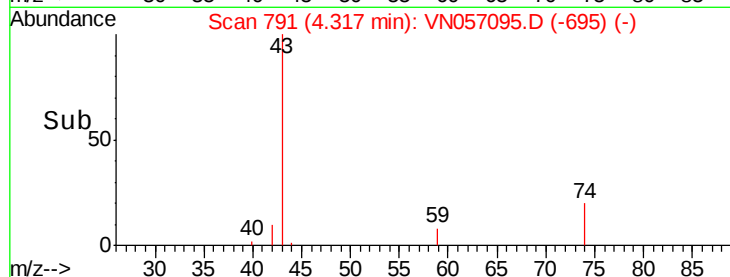
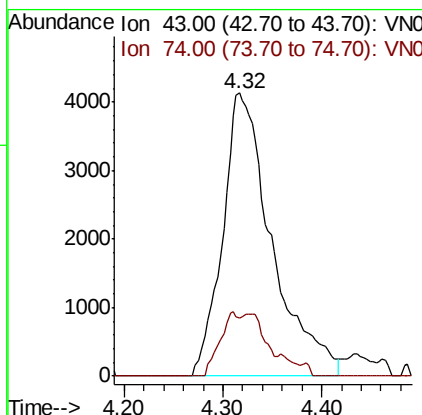
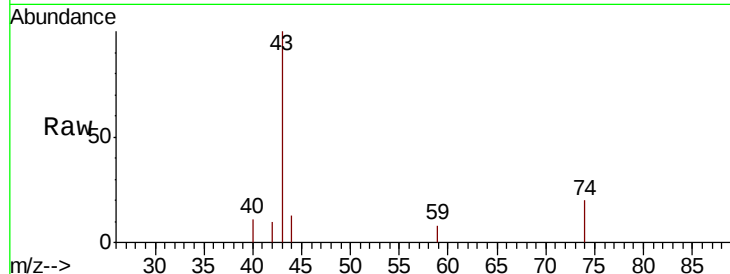




#18
Methyl Acetate
Concen: 2.385 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

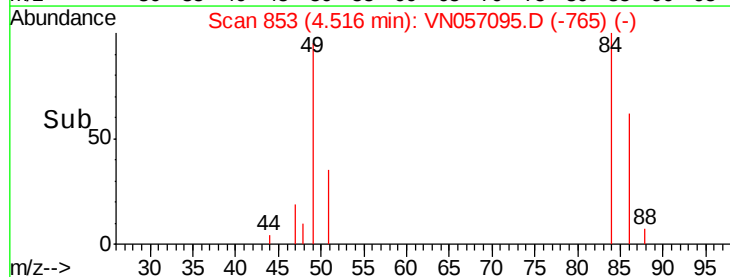
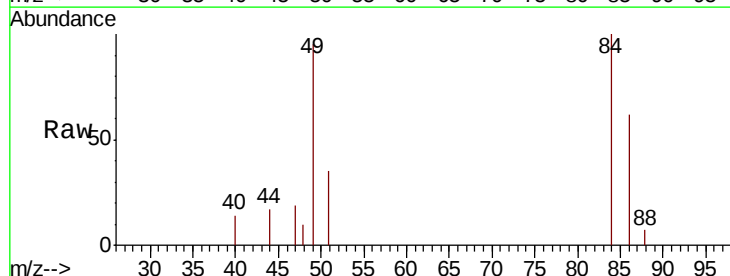
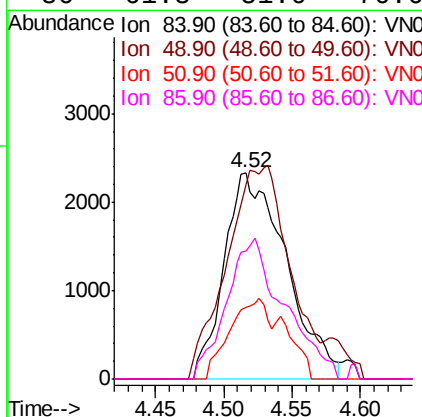
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MSVOA_N
ClientSampleId :
1S-E1-(30)

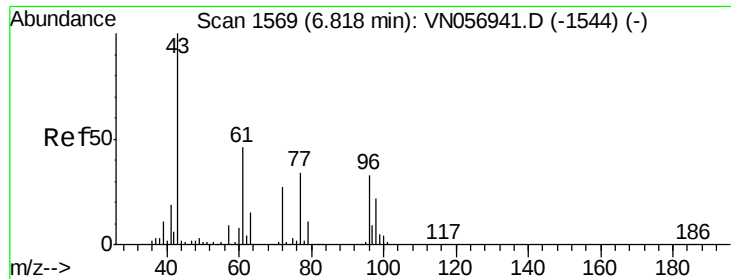
Tgt Ion: 43 Resp: 14357
Ion Ratio Lower Upper
43 100
74 9.0 19.7 29.5#



#20
Methylene Chloride
Concen: 1.353 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.02 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Tgt Ion: 84 Resp: 7356
Ion Ratio Lower Upper
84 100
49 94.5 95.2 142.8#
51 35.0 29.7 44.5
86 61.8 51.0 76.6





#25

2-Butanone

Concen: 0.203 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

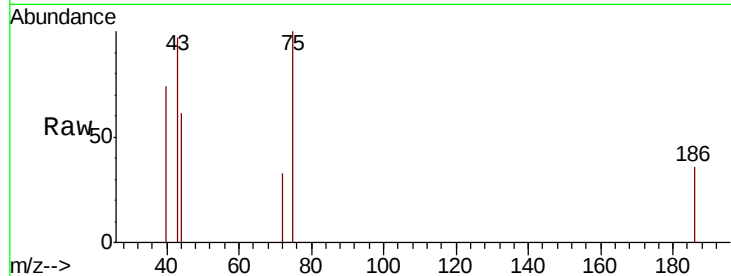
1S-E1-(30)

Tgt Ion: 43 Resp: 543

Ion Ratio Lower Upper

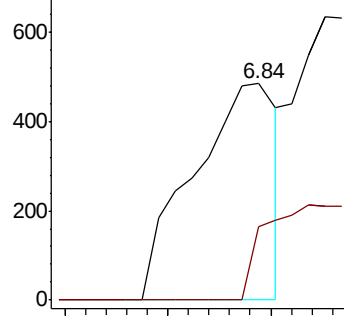
43 100

72 34.1 21.5 32.3#

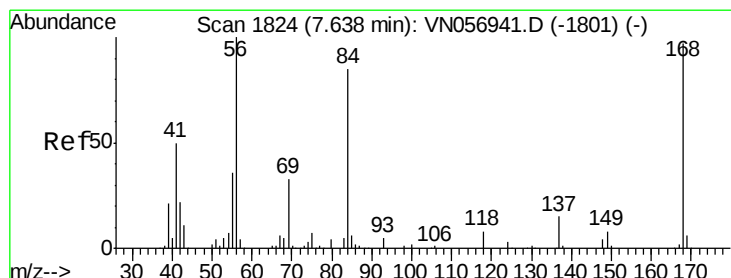
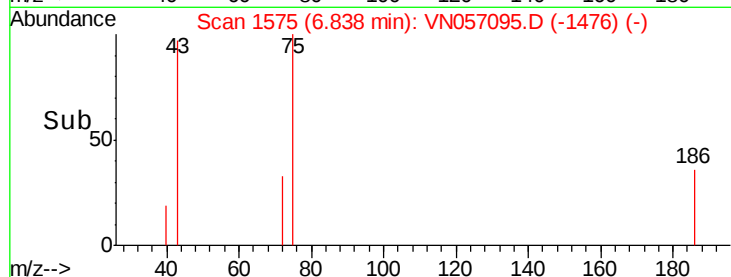


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.80 6.82 6.84



#31

Cyclohexane

Concen: 0.859 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

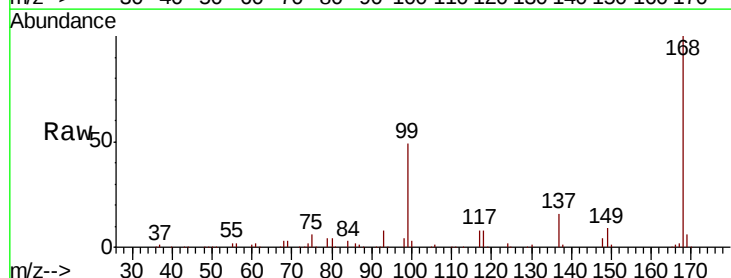
Tgt Ion: 56 Resp: 7354

Ion Ratio Lower Upper

56 100

69 182.8 26.2 39.2#

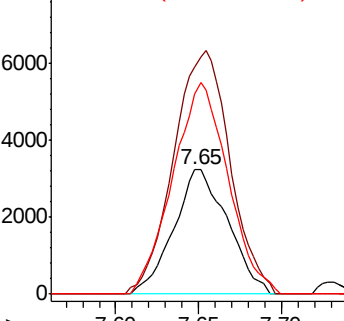
84 160.5 68.2 102.2#



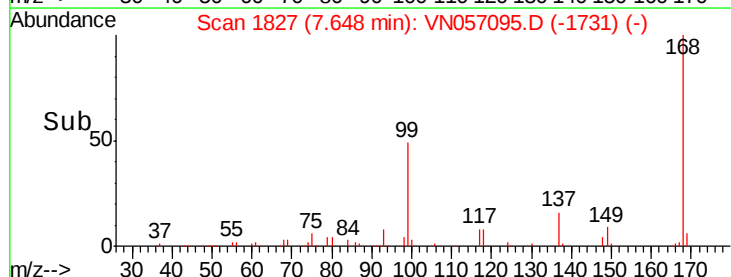
Abundance Ion 56.00 (55.70 to 56.70): VN0

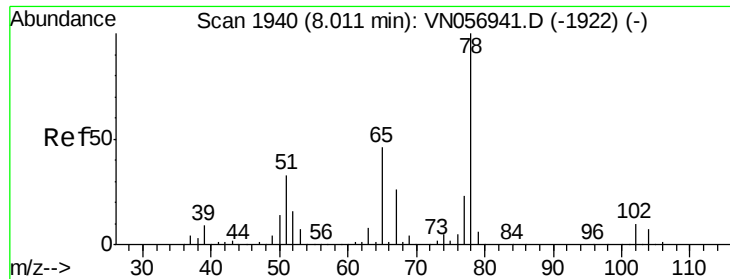
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time--> 7.60 7.65 7.70

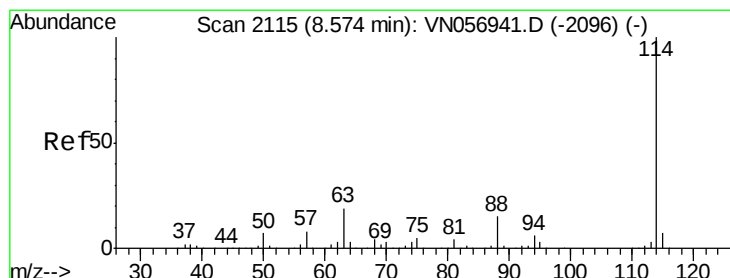
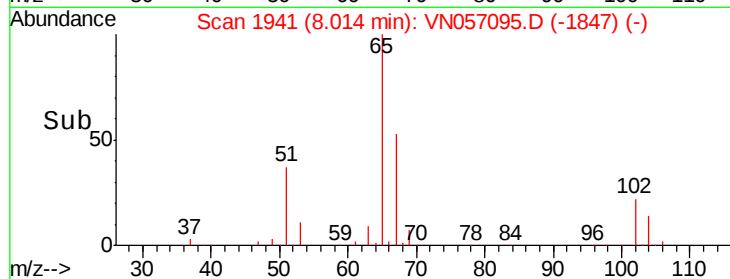
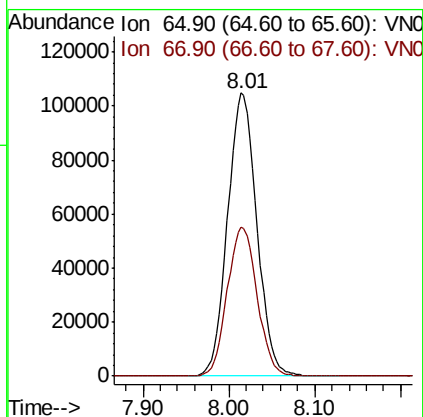
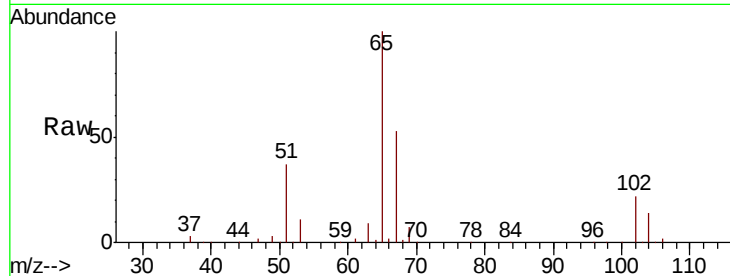




#33
 1,2-Dichloroethane-d4
 Concen: 47.442 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

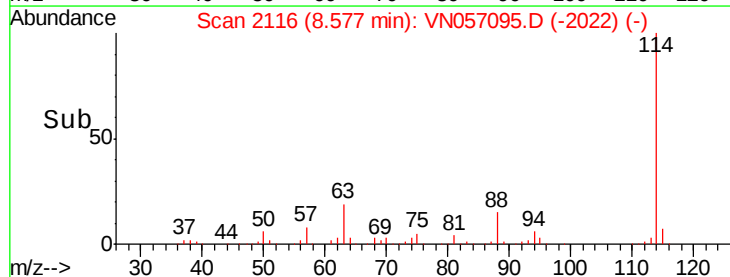
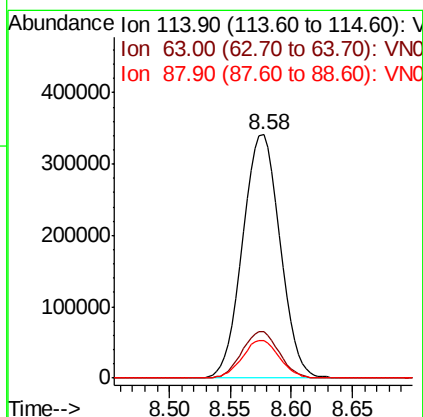
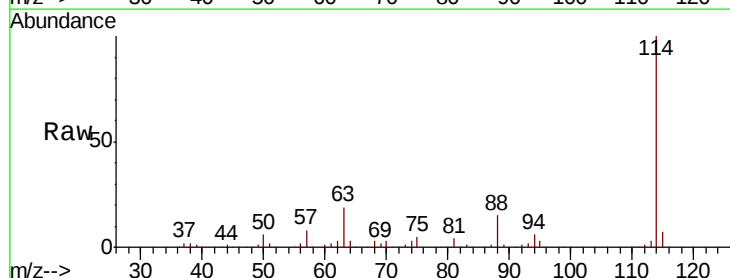
Instrument :
 MSVOA_N
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 1S-E1-(30)

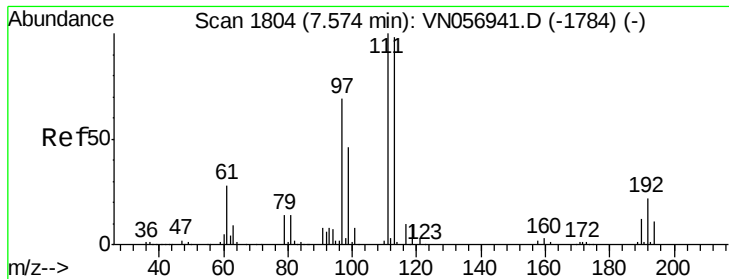
Tgt Ion: 65 Resp: 247140
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 114 Resp: 724715
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.0
 88 15.5 0.0 30.0

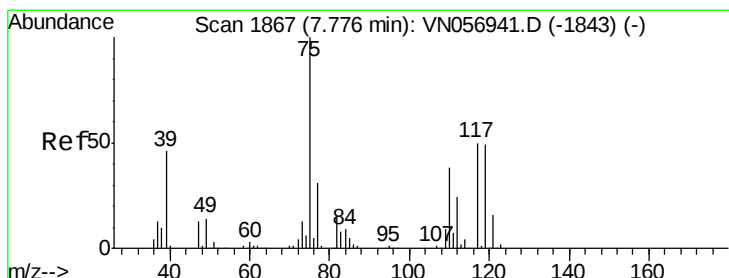
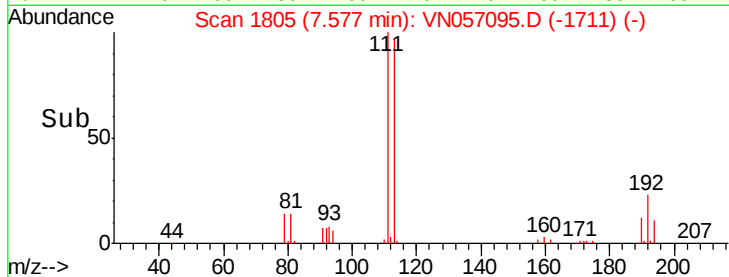
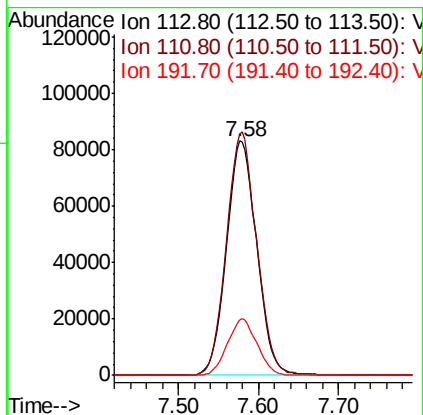
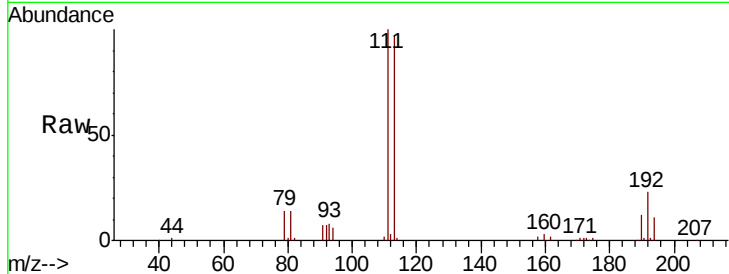




#35
Dibromofluoromethane
Concen: 46.270 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

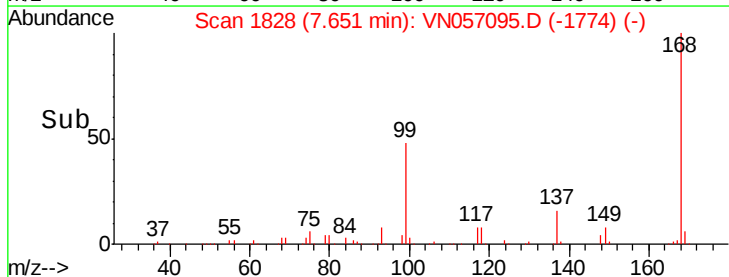
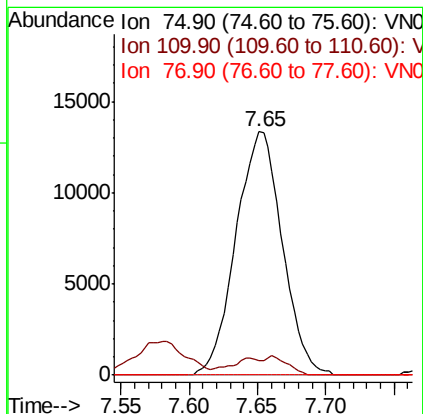
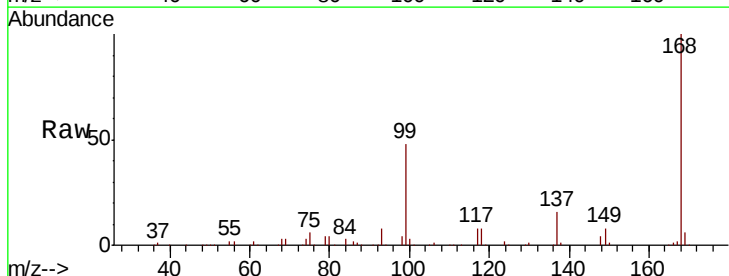
Instrument :
MSVOA_N
ClientSampleId :
1S-E1-(30)

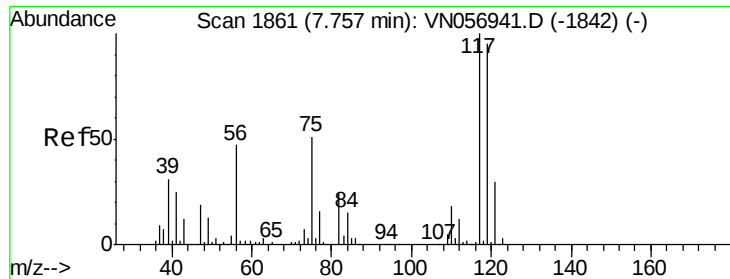
Tgt Ion: 113 Resp: 214663
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 23.6 18.4 27.6



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.13 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Tgt Ion: 75 Resp: 31437
Ion Ratio Lower Upper
75 100
110 4.9 18.6 55.8#
77 0.0 25.2 37.8#

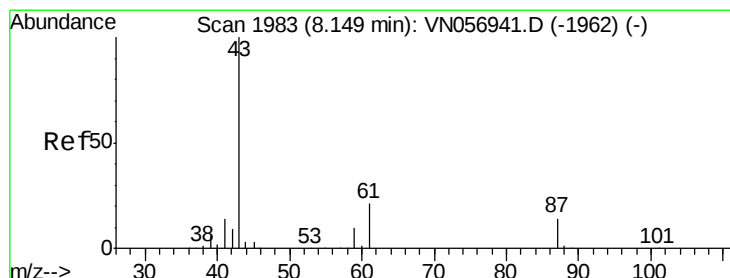
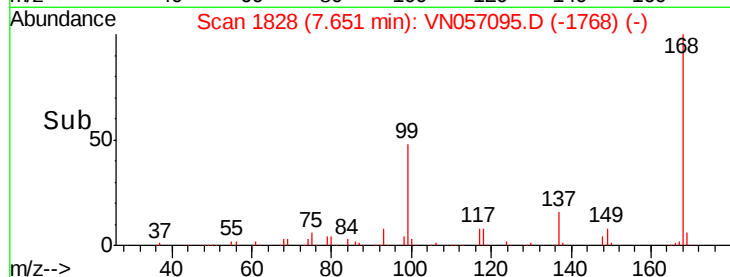
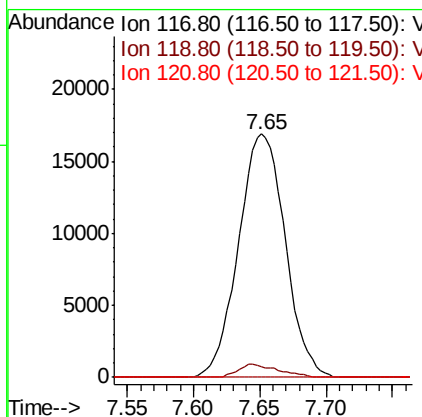
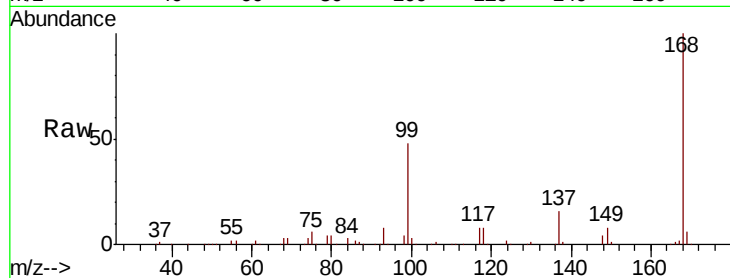




#38
Carbon Tetrachloride
Concen: 6.861 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

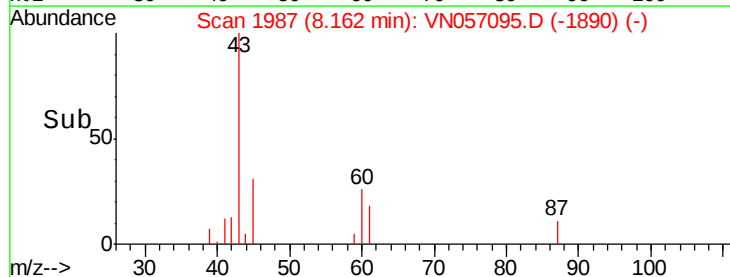
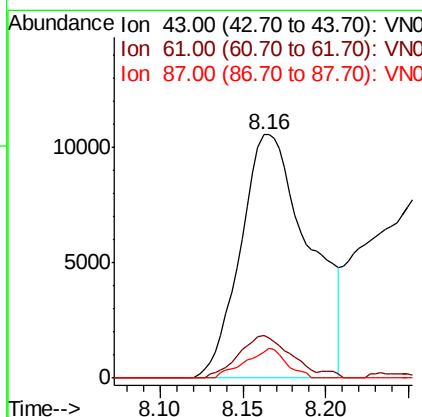
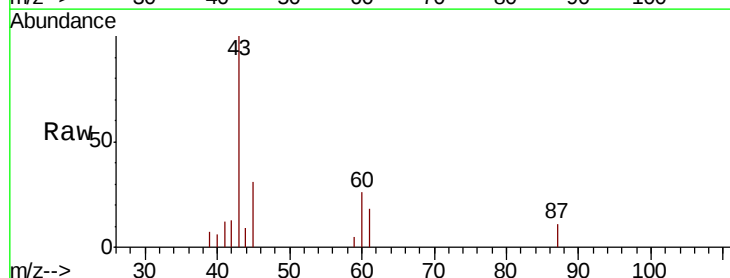
Instrument :
MSVOA_N
ClientSampleId :
1S-E1-(30)

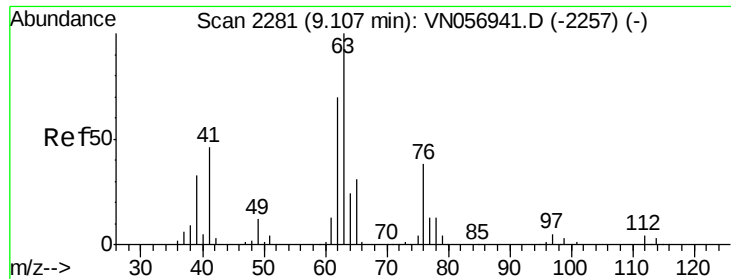
Tgt Ion: 117 Resp: 41388
Ion Ratio Lower Upper
117 100
119 4.2 75.3 112.9#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.586 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Tgt Ion: 43 Resp: 30270
Ion Ratio Lower Upper
43 100
61 13.8 23.0 34.6#
87 7.3 11.7 17.5#

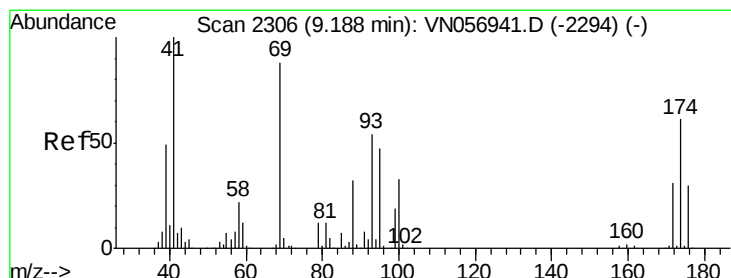
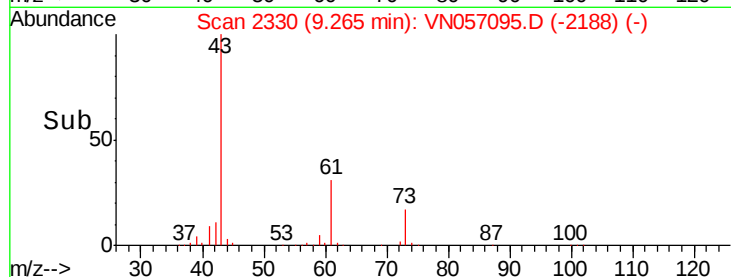
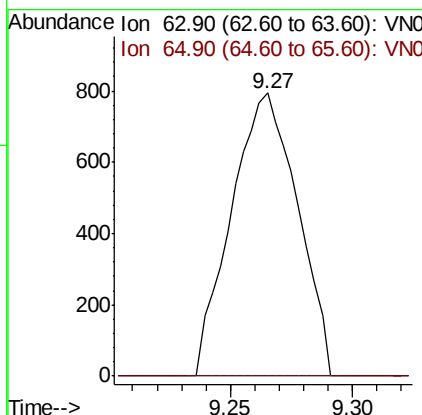
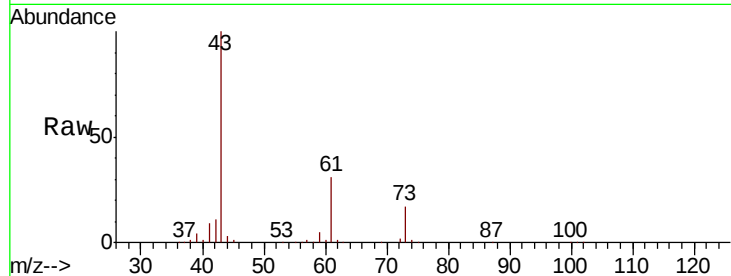




#45
 1,2-Dichloropropane
 Concen: 0.284 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.16 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

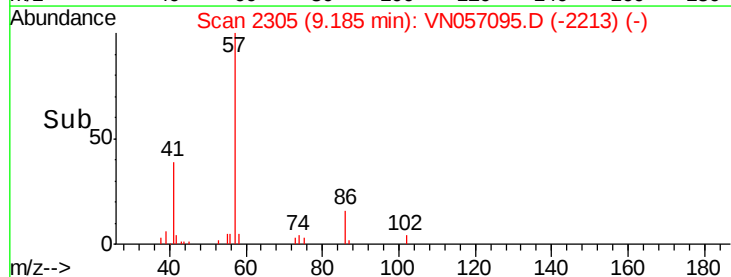
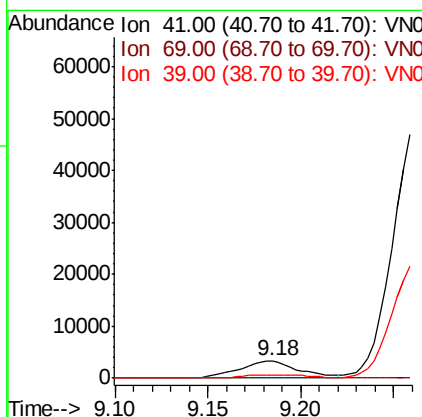
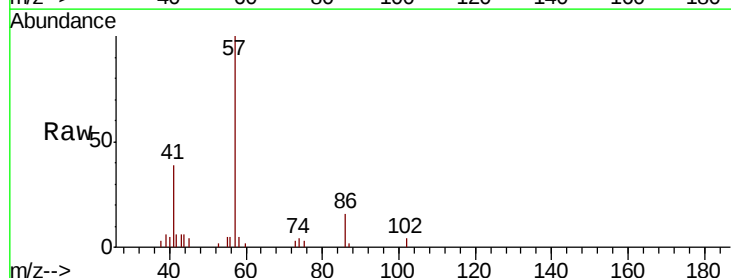
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

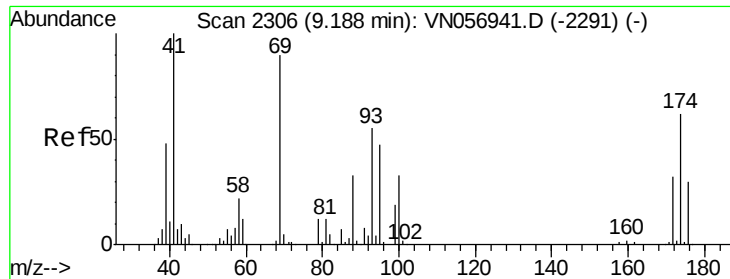
Tgt Ion: 63 Resp: 1494
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.783 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 41 Resp: 7266
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.4 110.0#
 39 0.0 39.9 59.9#

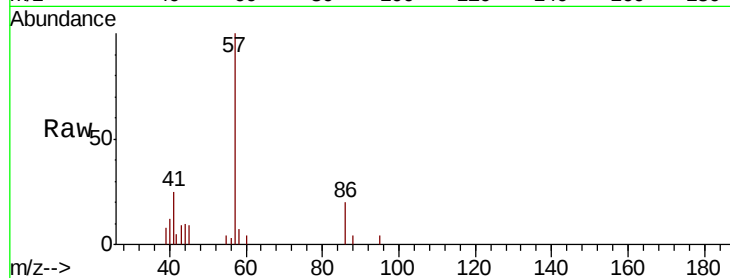




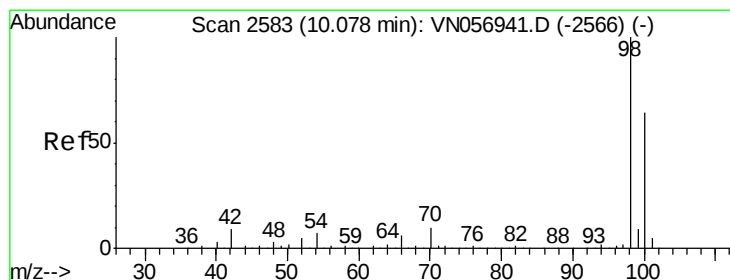
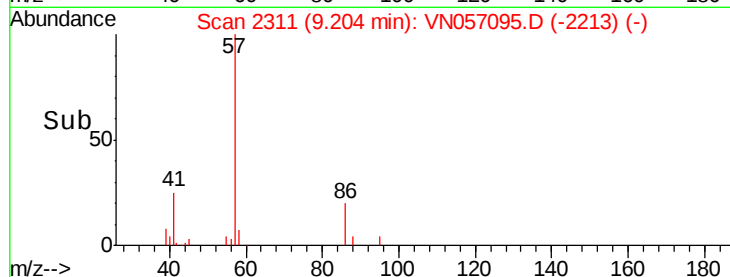
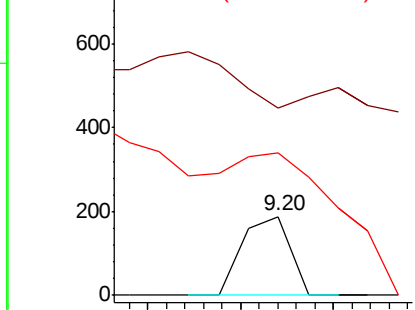
#49
 1,4-Dioxane
 Concen: 0.798 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.02 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

Tgt Ion: 88 Resp: 67
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.2 33.2#
 58 0.0 54.1 81.1#

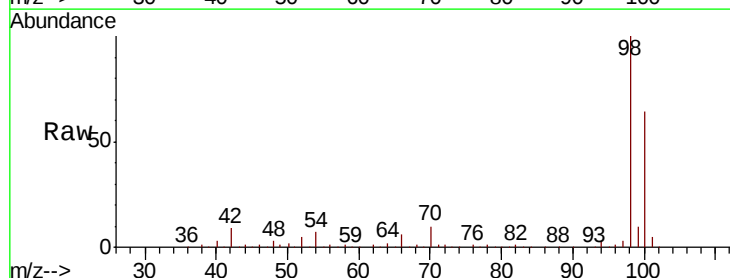


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

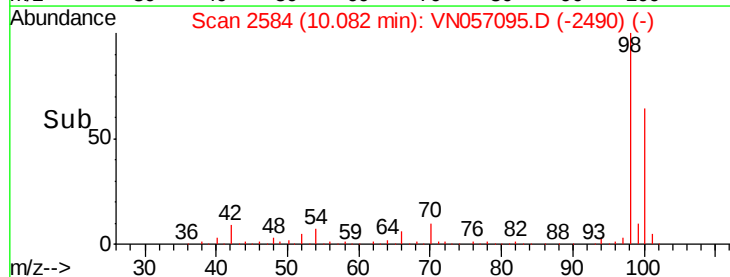
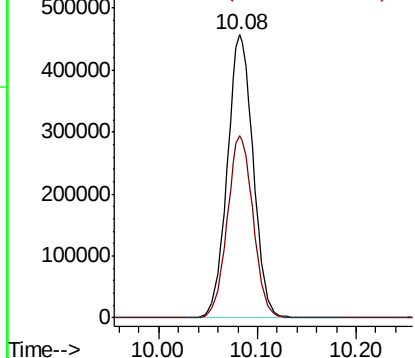


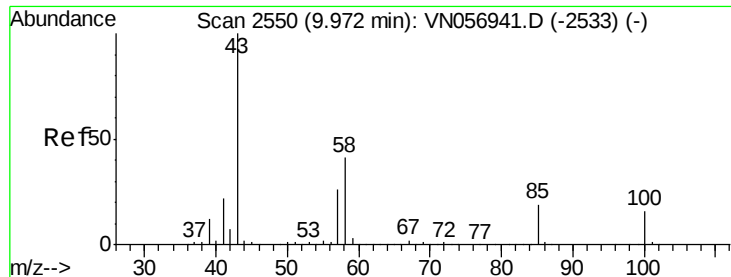
#50
 Toluene-d8
 Concen: 47.195 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 98 Resp: 834990
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

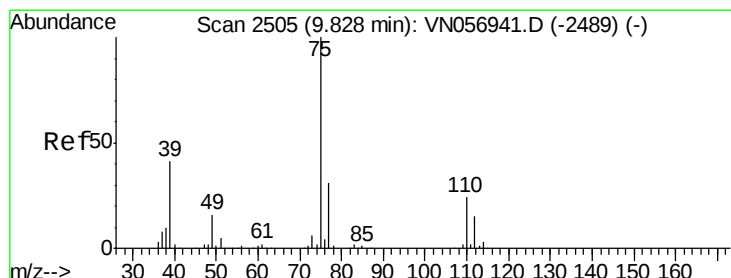
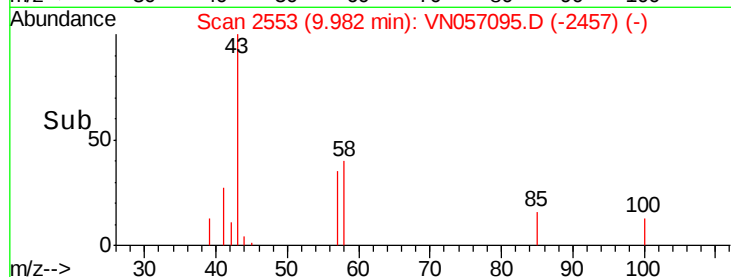
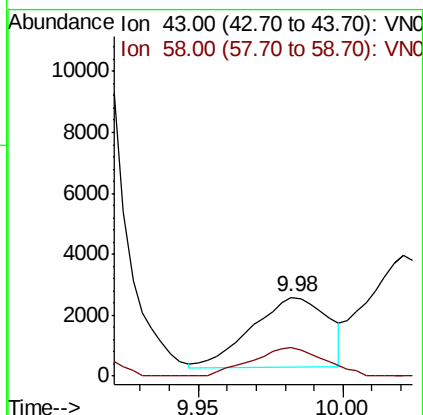
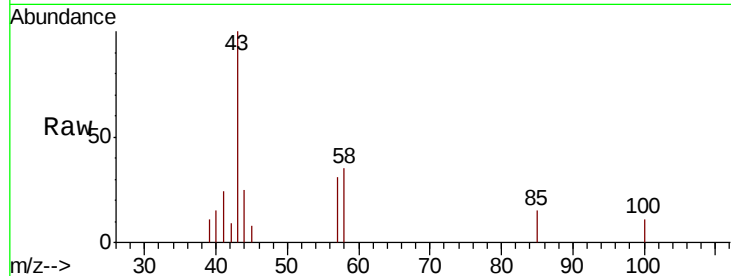




#51
 4-Methyl-2-Pentanone
 Concen: 0.838 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

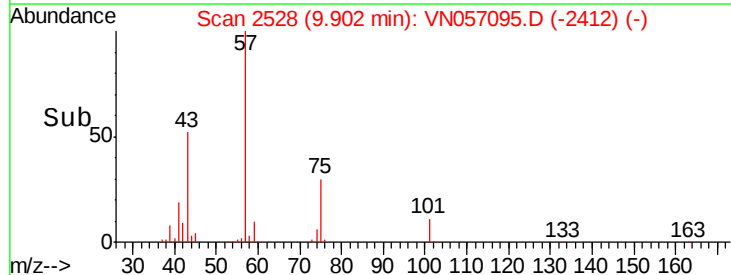
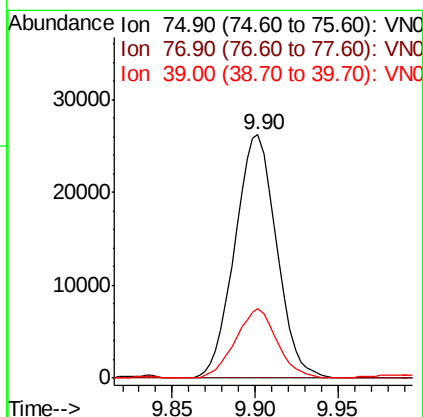
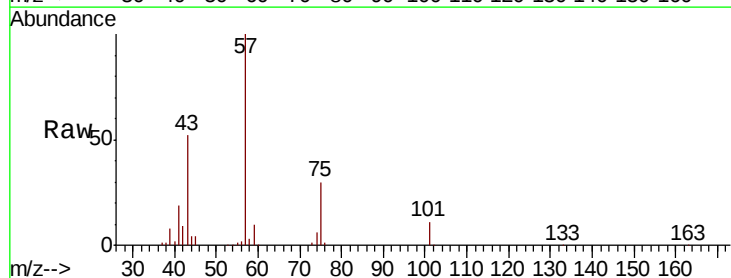
Instrument :
 MSVOA_N
 ClientSampled :
 1S-E1-(30)

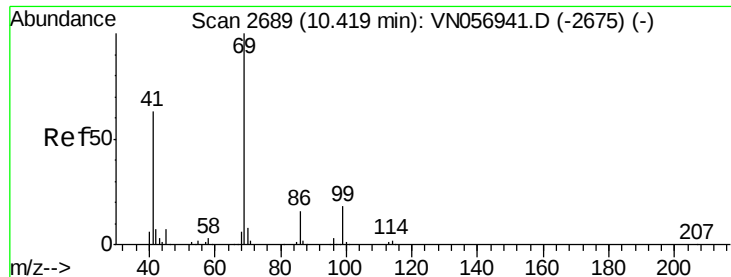
Tgt Ion: 43 Resp: 4205
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.1 49.7



#54
 cis-1,3-Dichloropropene
 Concen: 6.111 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 75 Resp: 45927
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 28.4 32.6 49.0#





#56

Ethyl methacrylate

Concen: 1.820 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

1S-E1-(30)

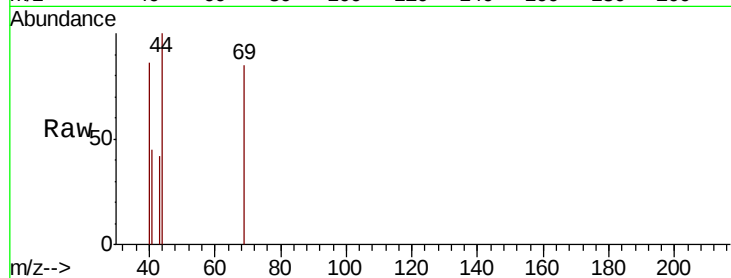
Tgt Ion: 69 Resp: 437

Ion Ratio Lower Upper

69 100

41 0.0 49.2 73.8#

39 0.0 23.1 34.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.42

300

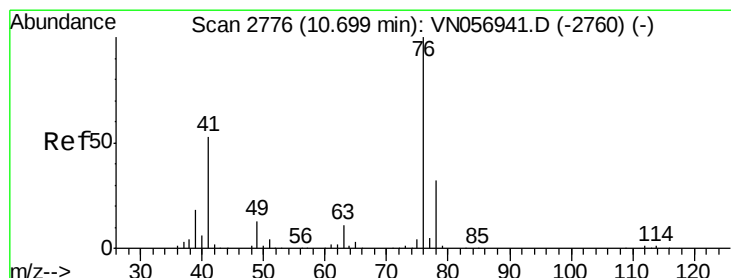
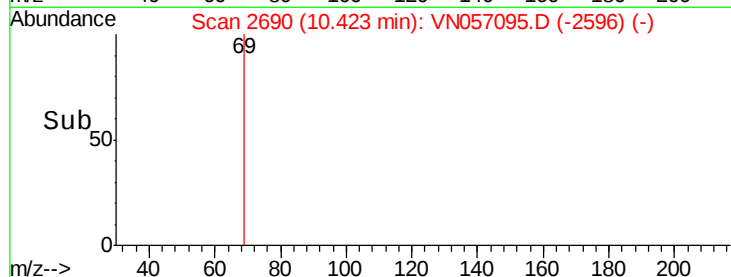
200

100

0

10.40 10.42 10.44

Time-->



#57

1,3-Dichloropropane

Concen: 1.181 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057095.D

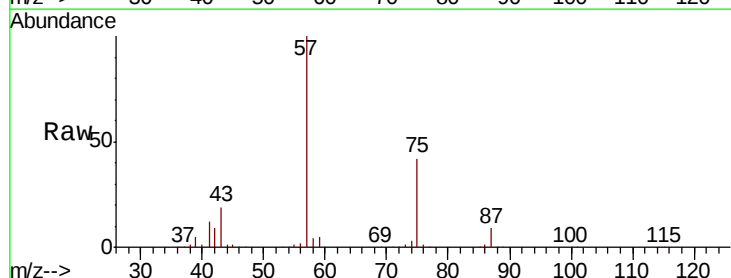
Acq: 6 Aug 2019 12:01

Tgt Ion: 76 Resp: 9270

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

6000

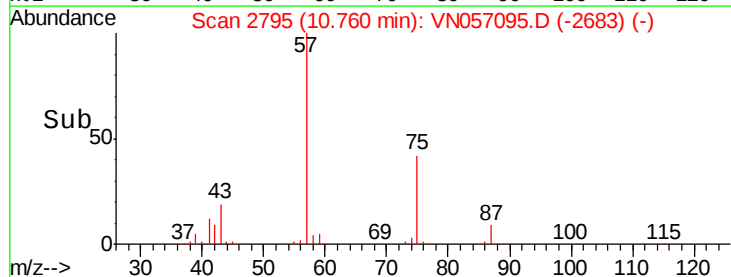
4000

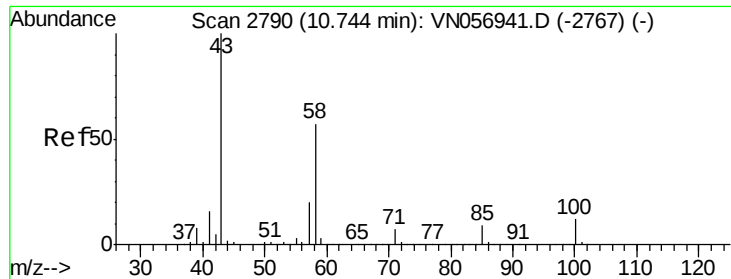
2000

0

10.70 10.75 10.80

Time-->





#59

2-Hexanone

Concen: 35.386 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.02 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

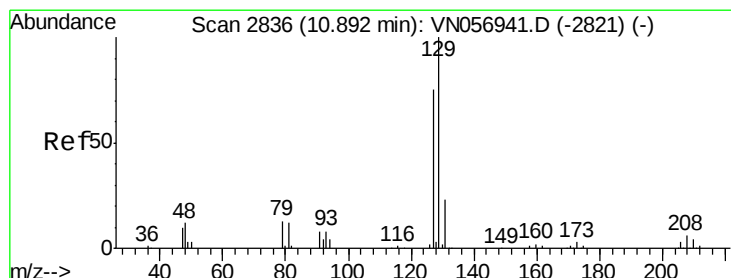
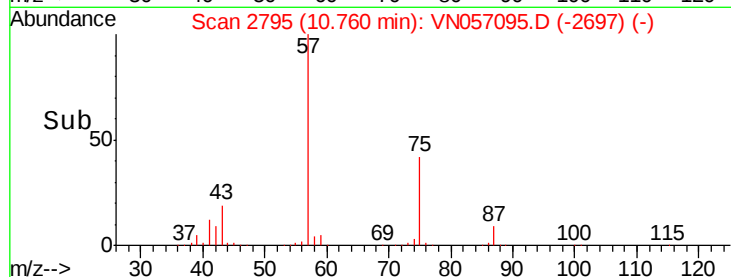
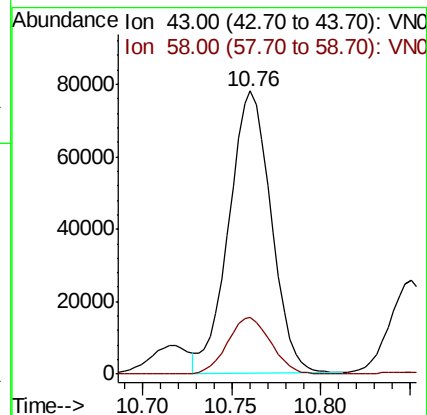
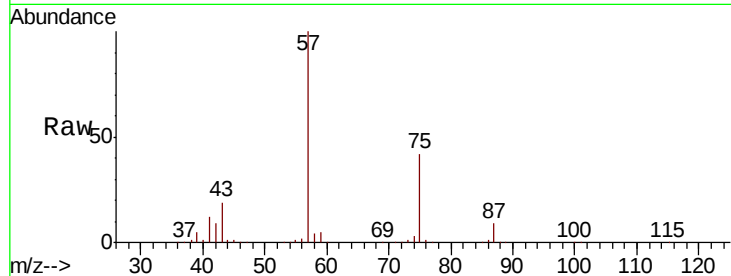
1S-E1-(30)

Tgt Ion: 43 Resp: 128310

Ion Ratio Lower Upper

43 100

58 20.7 28.5 85.5#



#60

Dibromochloromethane

Concen: 0.210 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.27 min

Lab File: VN057095.D

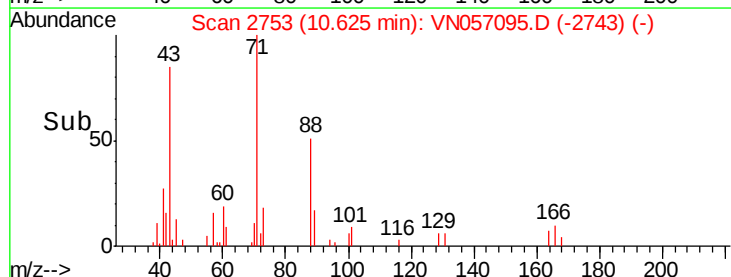
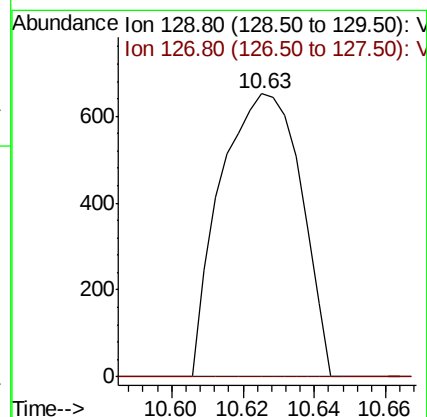
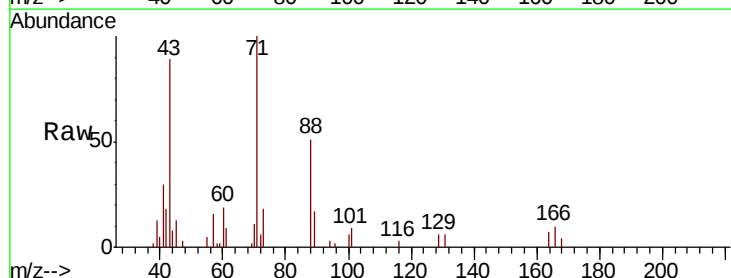
Acq: 6 Aug 2019 12:01

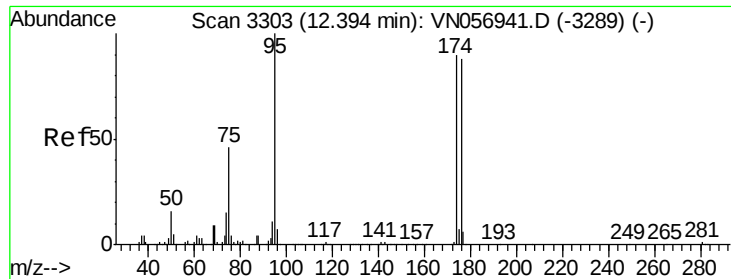
Tgt Ion: 129 Resp: 1016

Ion Ratio Lower Upper

129 100

127 0.0 38.0 113.9#





#62

4-Bromofluorobenzene

Concen: 43.245 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

1S-E1-(30)

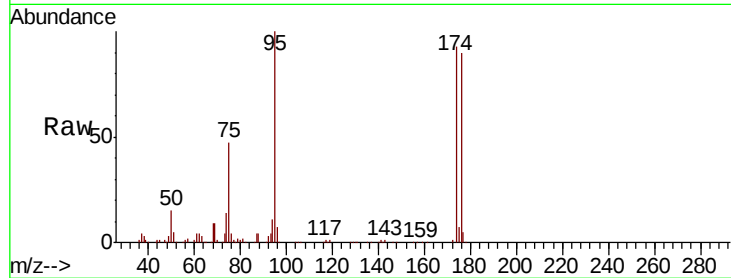
Tgt Ion: 95 Resp: 249073

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.2

176 90.3 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056941.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056941.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056941.D (-3289) (-)

12.40

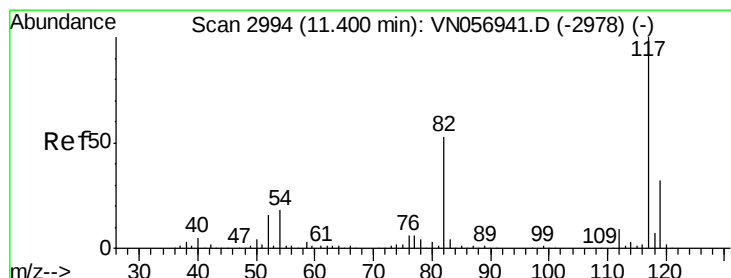
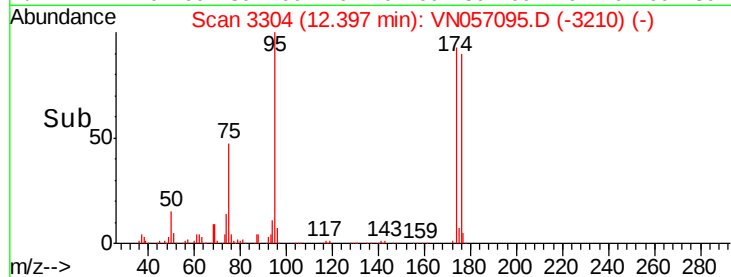
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

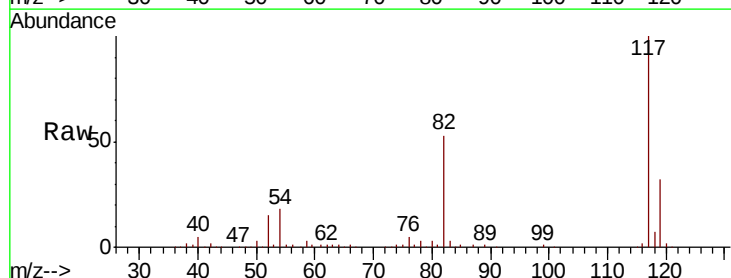
Tgt Ion: 117 Resp: 605699

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056941.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056941.D (-2978) (-)

11.40

400000

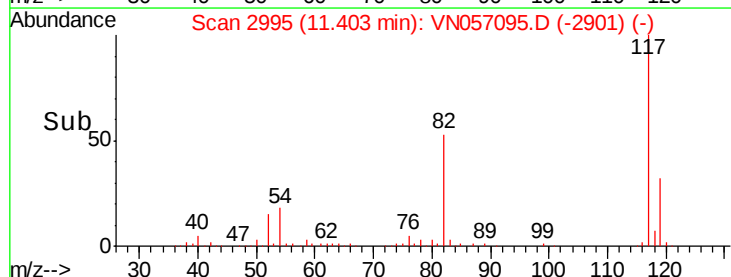
300000

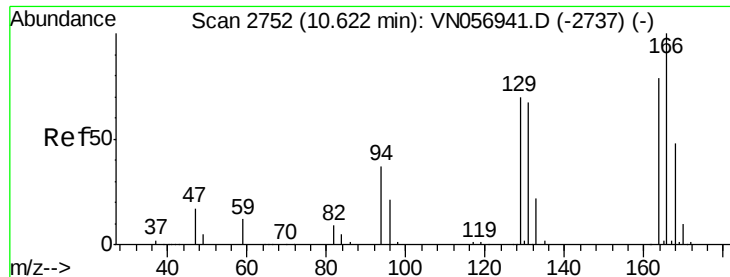
200000

100000

0

Time--> 11.30 11.40 11.50

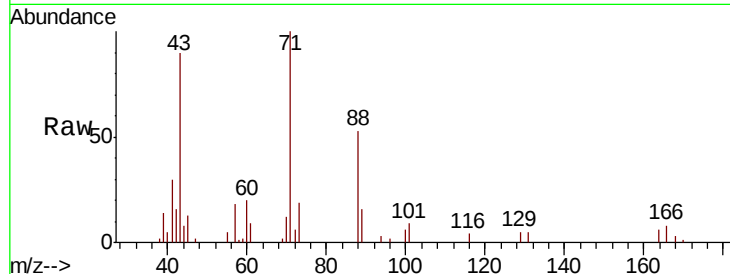




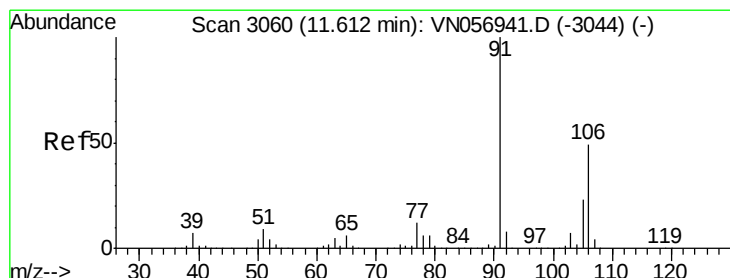
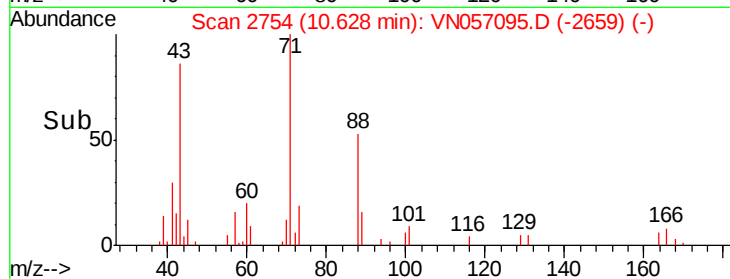
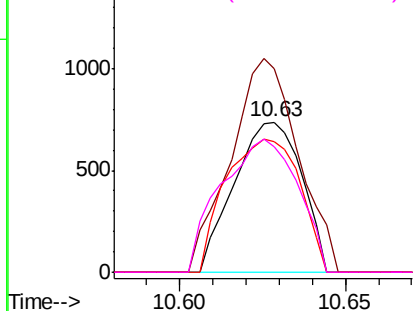
#64
Tetrachloroethene
Concen: 0.200 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.01 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
1S-E1-(30)

Tgt Ion:164 Resp: 1044
Ion Ratio Lower Upper
164 100
166 135.8 101.1 151.7
129 87.2 70.9 106.3
131 83.3 67.7 101.5

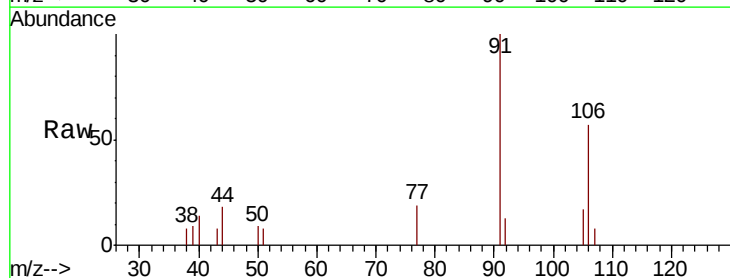


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

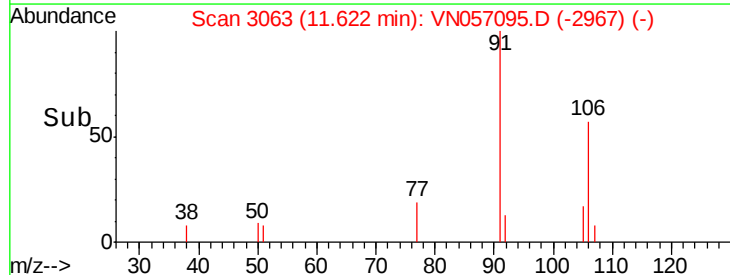
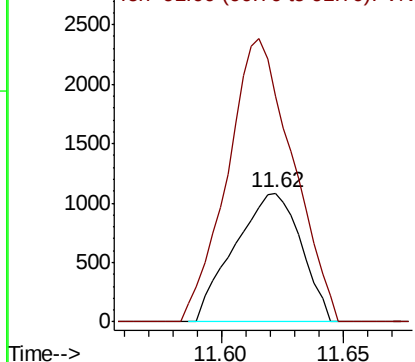


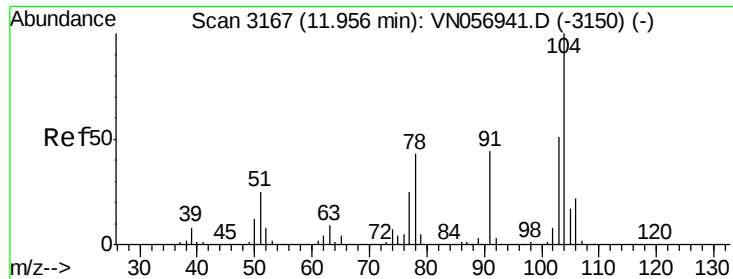
#68
m/p-Xylenes
Concen: 0.261 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.01 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Tgt Ion:106 Resp: 2056
Ion Ratio Lower Upper
106 100
91 215.4 160.0 240.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

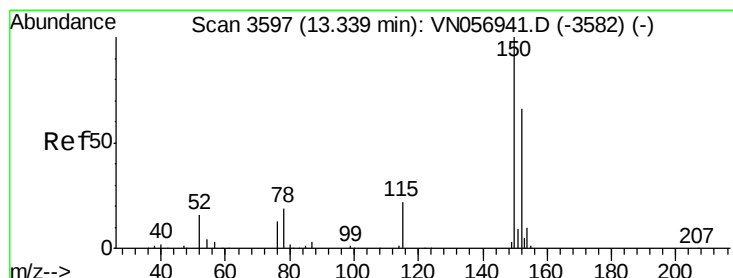
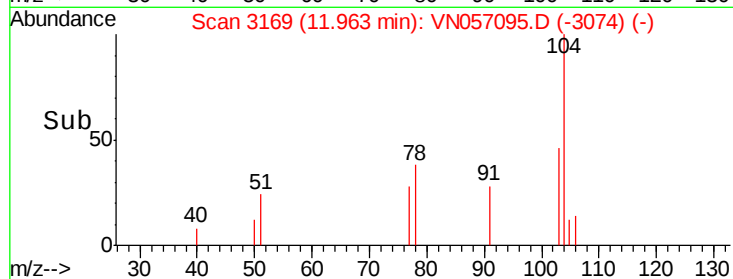
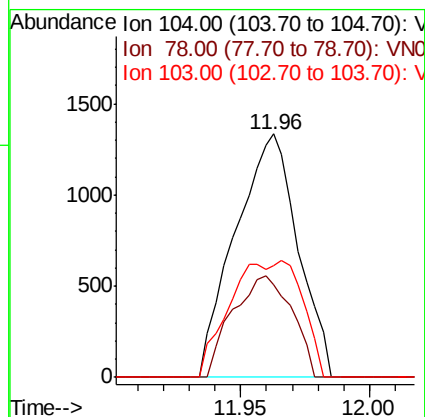
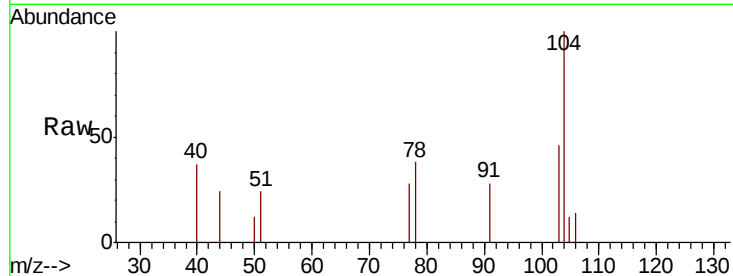




#70
Styrene
Concen: 2.026 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.01 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

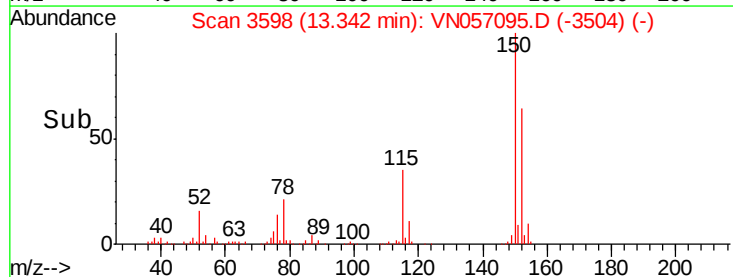
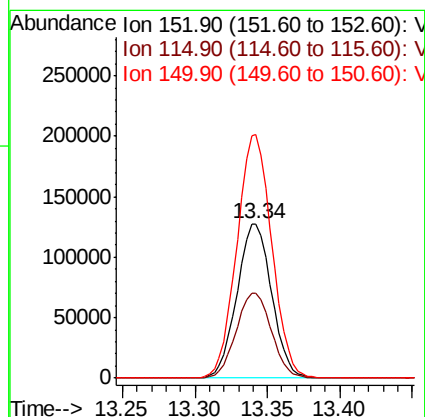
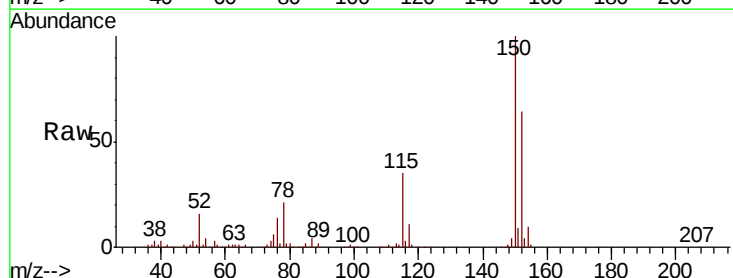
Instrument :
MSVOA_N
ClientSampleId :
1S-E1-(30)

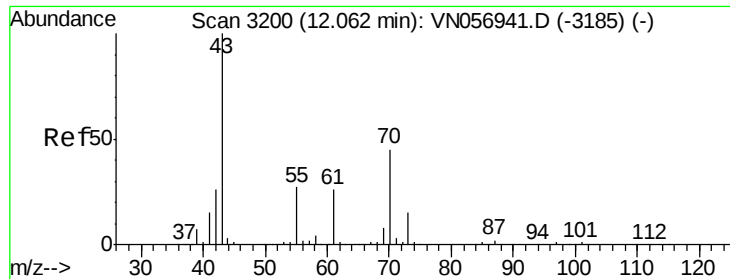
Tgt Ion:104 Resp: 2258
Ion Ratio Lower Upper
104 100
78 39.5 38.1 57.1
103 30.2 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057095.D
Acq: 6 Aug 2019 12:01

Tgt Ion:152 Resp: 211791
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.6
150 159.2 0.0 349.4





#74

N-ethyl acetate

Concen: 0.521 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

1S-E1-(30)

Tgt Ion: 43 Resp: 2770

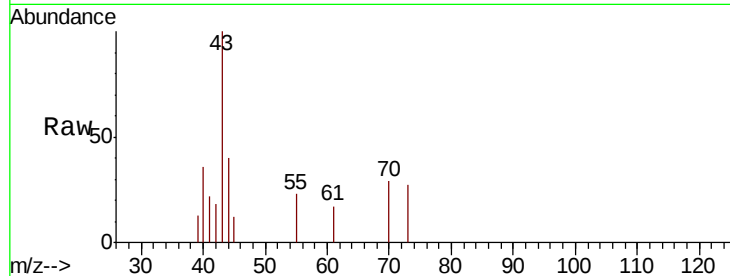
Ion Ratio Lower Upper

43 100

70 25.5 36.5 54.7#

55 12.7 21.4 32.0#

61 11.3 20.5 30.7#

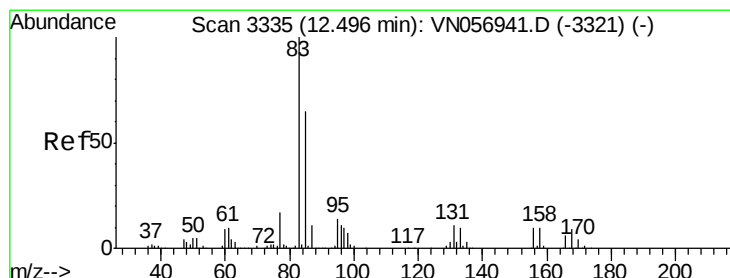
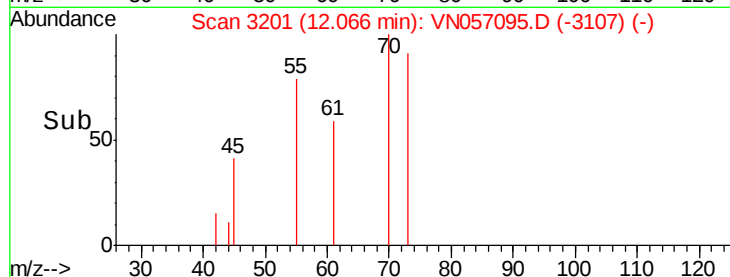
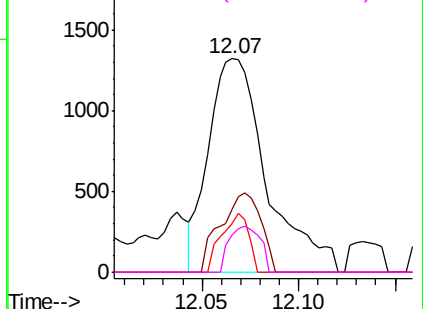


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.01 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

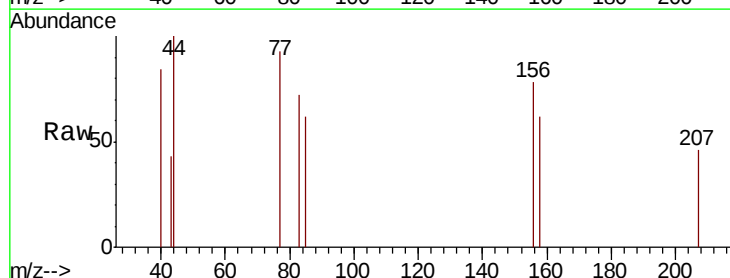
Tgt Ion: 83 Resp: 267

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

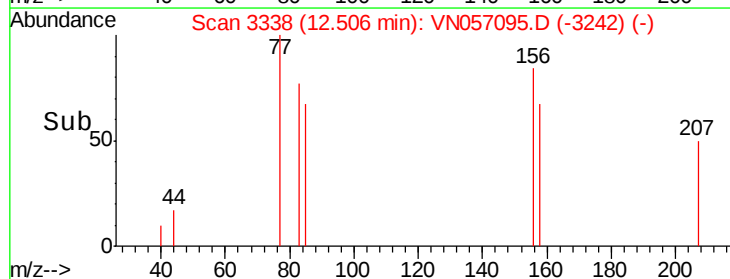
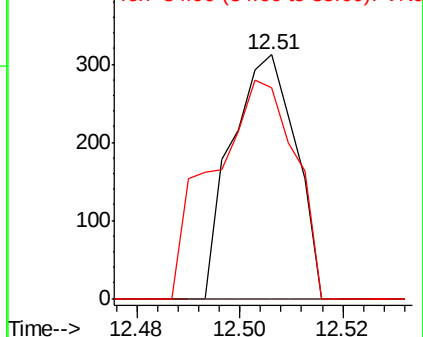
85 116.1 32.5 97.4#

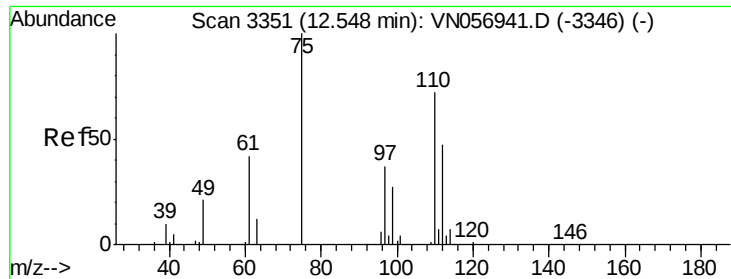


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 26.594 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

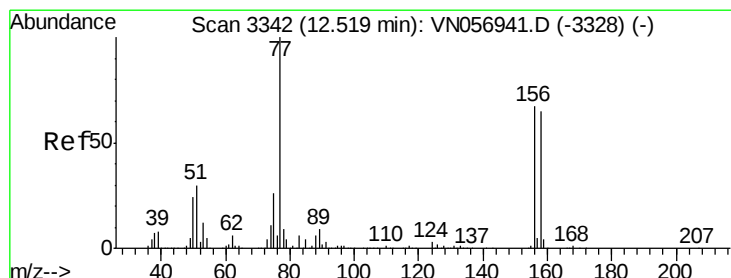
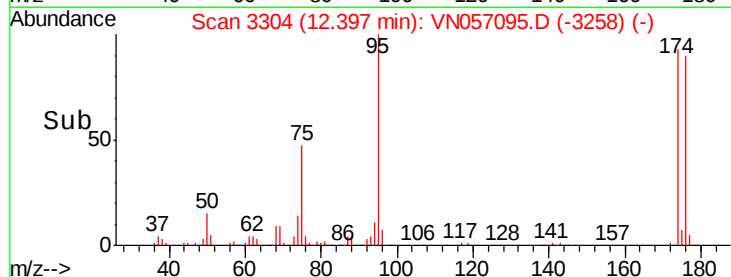
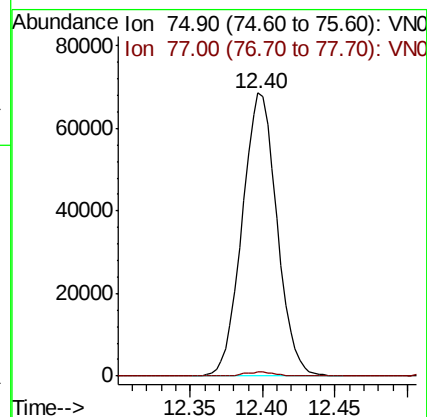
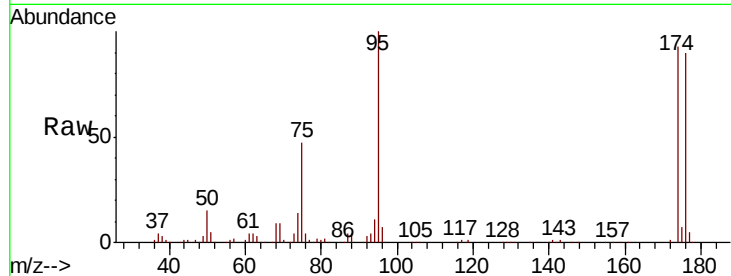
1S-E1-(30)

Tgt Ion: 75 Resp: 114386

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#77

Bromobenzene

Concen: 0.249 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

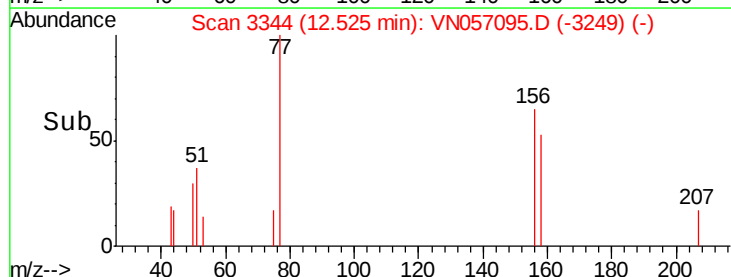
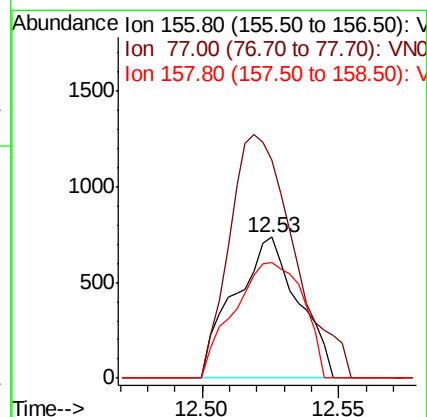
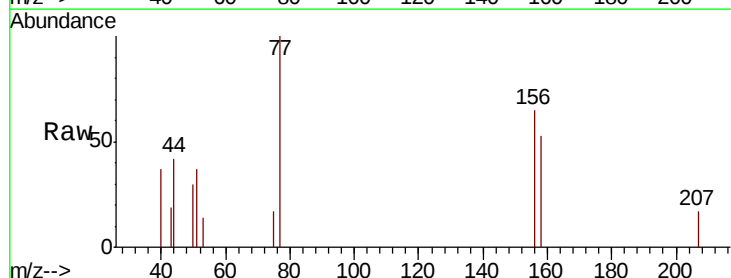
Tgt Ion: 156 Resp: 1191

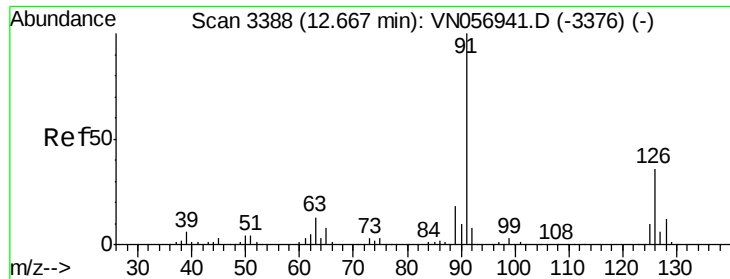
Ion Ratio Lower Upper

156 100

77 175.7 89.5 268.5

158 89.2 48.4 145.3

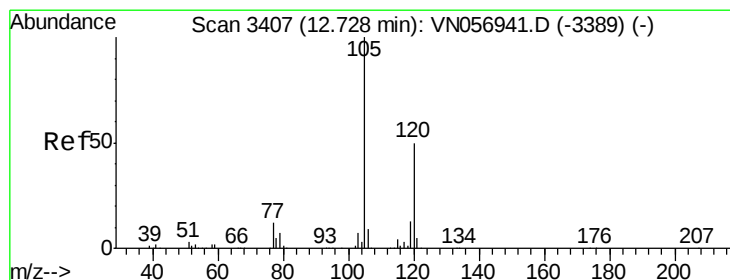
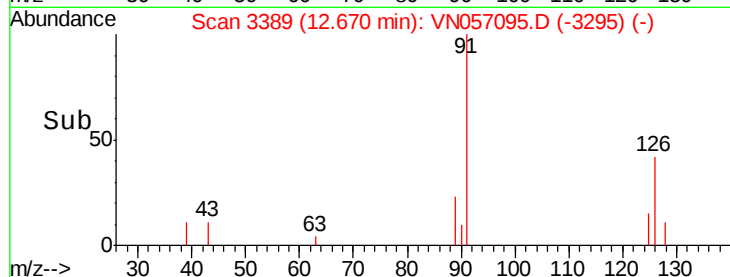
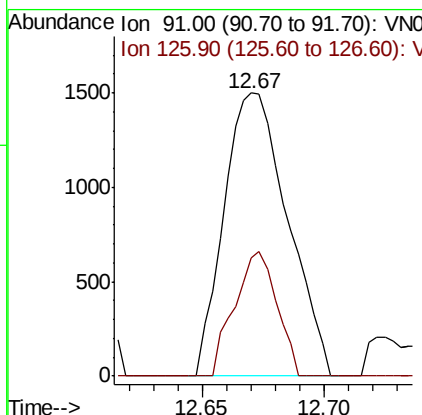
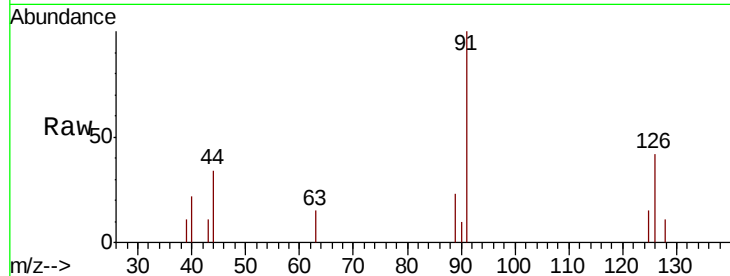




#79
 2-Chlorotoluene
 Concen: 0.226 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

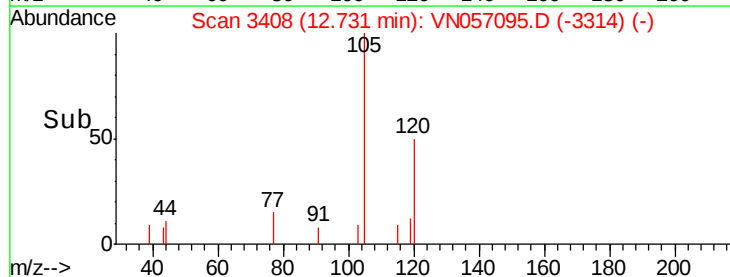
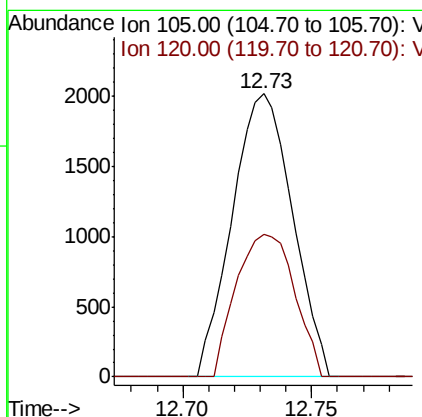
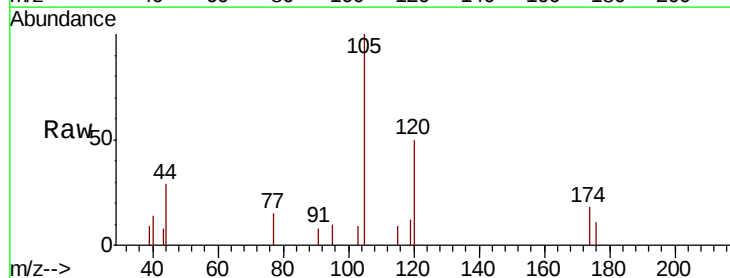
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

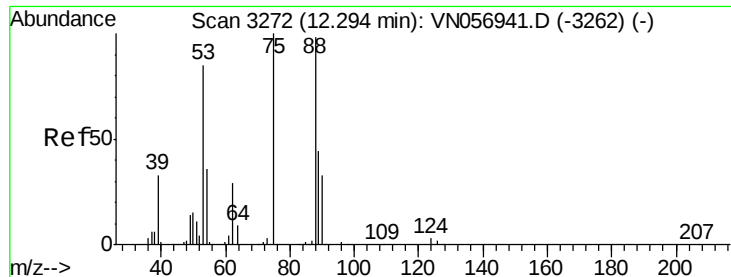
Tgt Ion: 91 Resp: 2714
 Ion Ratio Lower Upper
 91 100
 126 29.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.218 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 105 Resp: 3278
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 85.447 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

1S-E1-(30)

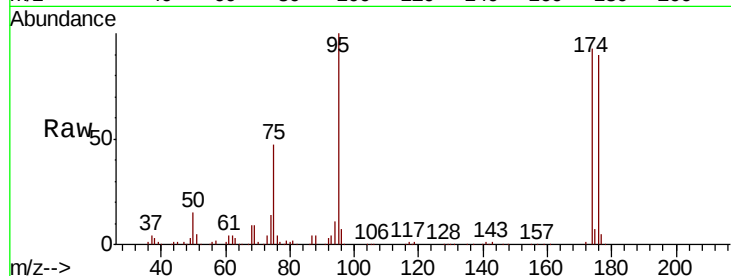
Tgt Ion: 75 Resp: 114386

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

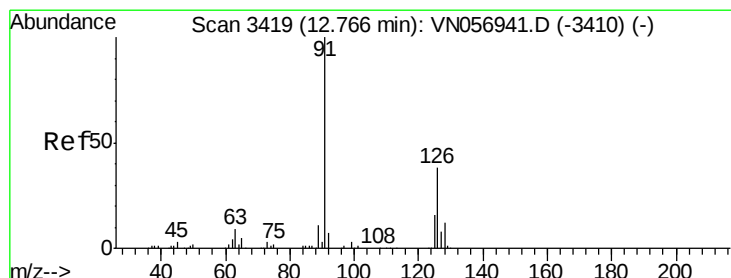
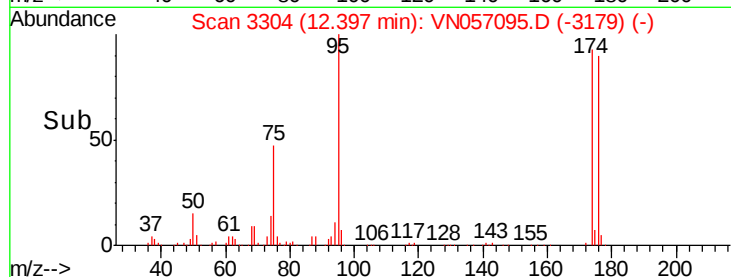
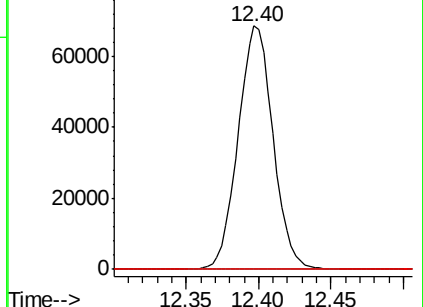
89 0.0 35.8 53.6#



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: 0.329 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.01 min

Lab File: VN057095.D

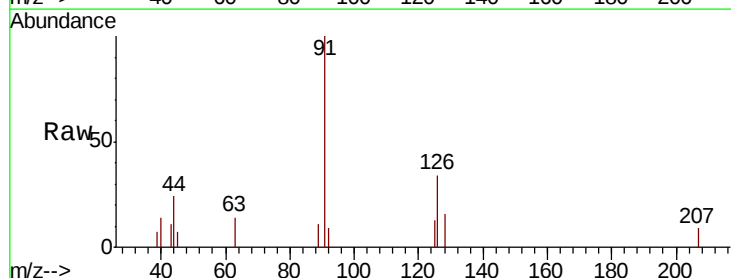
Acq: 6 Aug 2019 12:01

Tgt Ion: 91 Resp: 3701

Ion Ratio Lower Upper

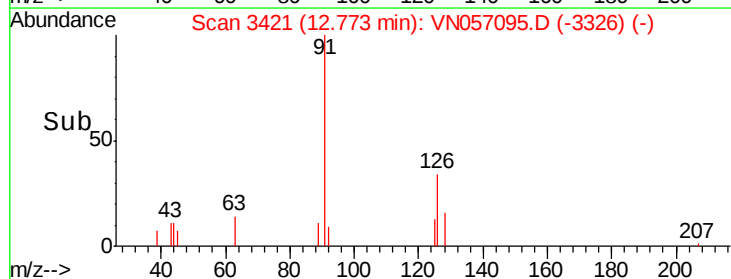
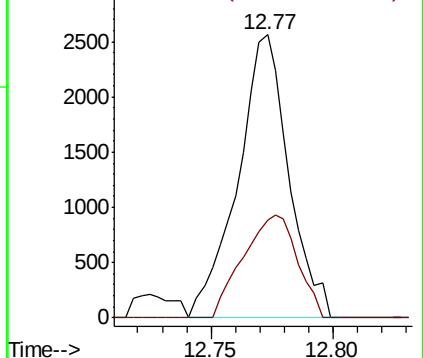
91 100

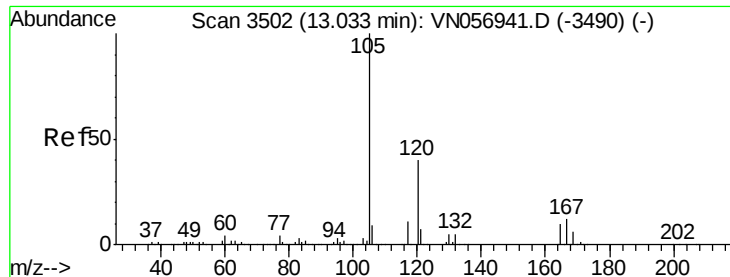
126 38.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

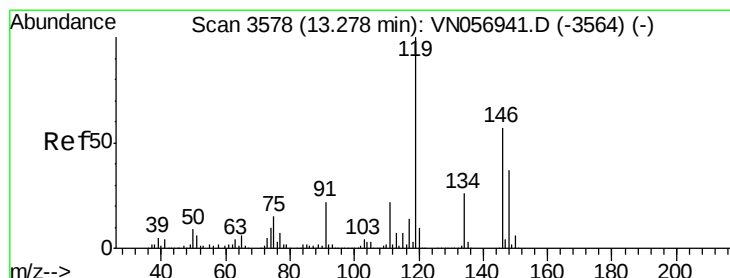
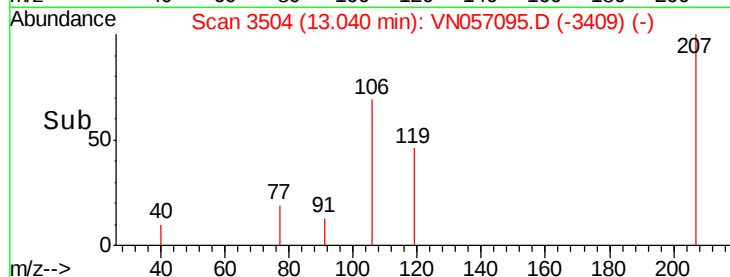
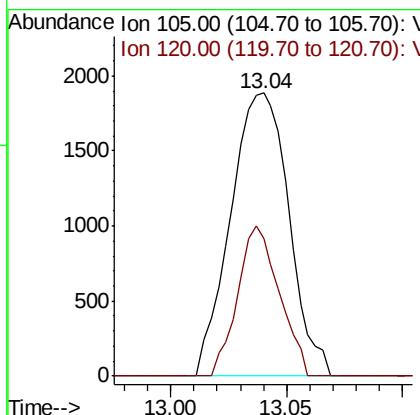
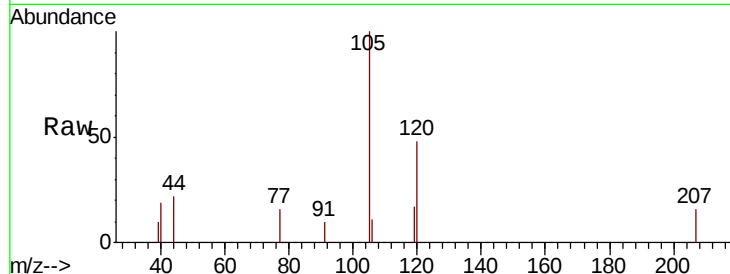




#84
 1,2,4-Trimethylbenzene
 Concen: 0.228 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.01 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

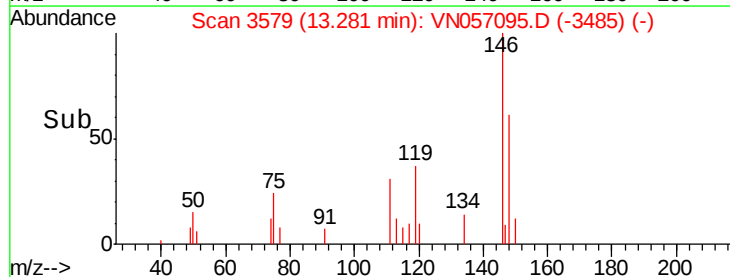
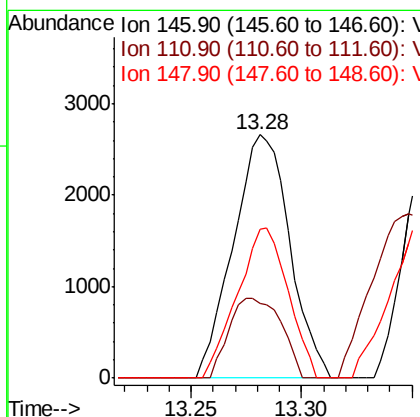
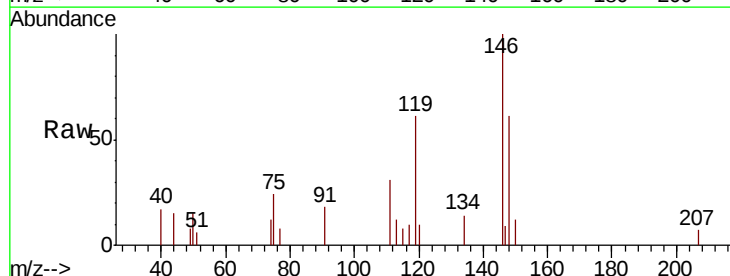
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

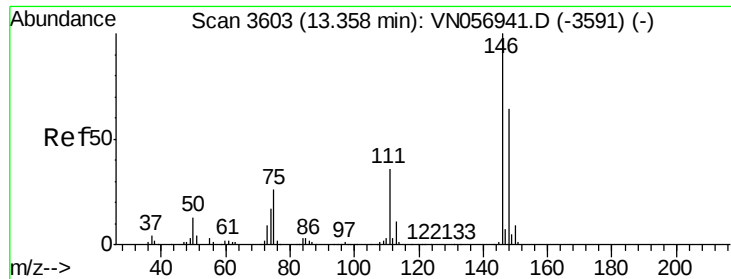
Tgt Ion:105 Resp: 3291
 Ion Ratio Lower Upper
 105 100
 120 37.9 23.2 69.6



#87
 1,3-Dichlorobenzene
 Concen: 0.650 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion:146 Resp: 4723
 Ion Ratio Lower Upper
 146 100
 111 30.3 18.6 55.8
 148 55.5 32.2 96.6

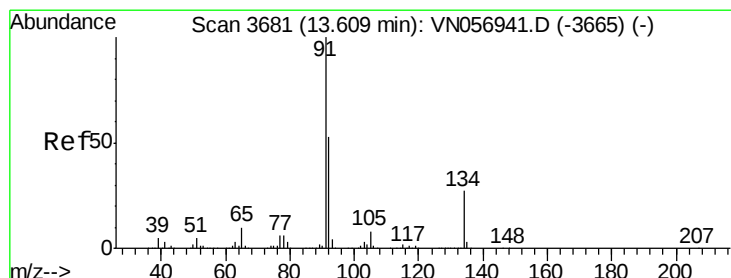
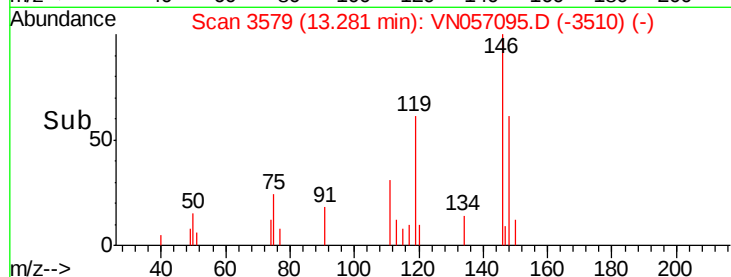
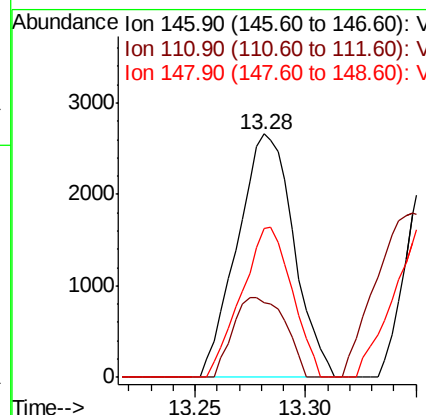
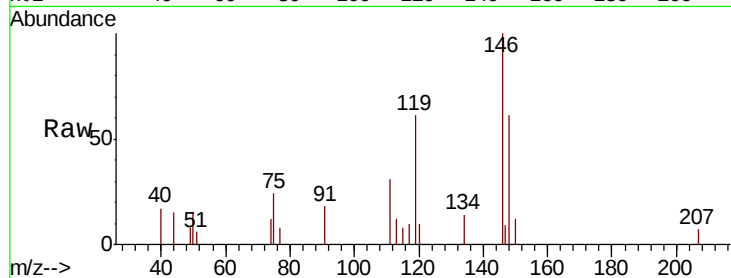




#88
 1,4-Dichlorobenzene
 Concen: 0.675 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

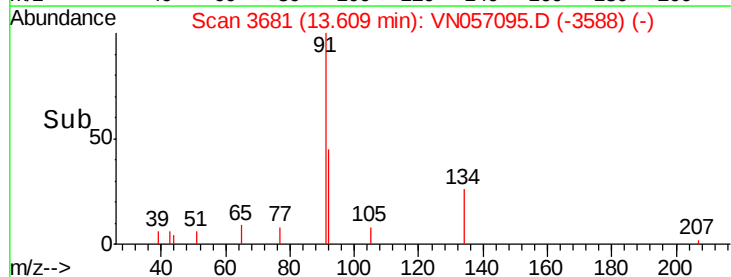
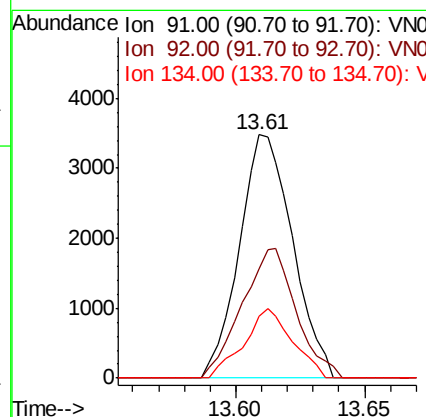
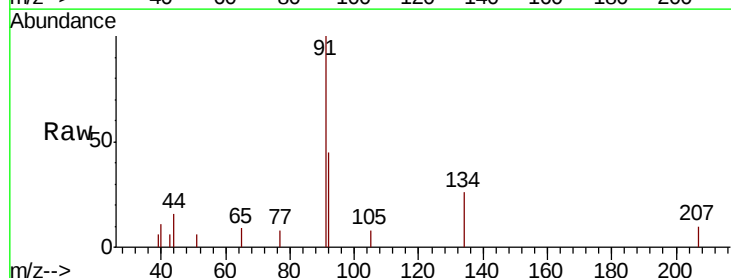
Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

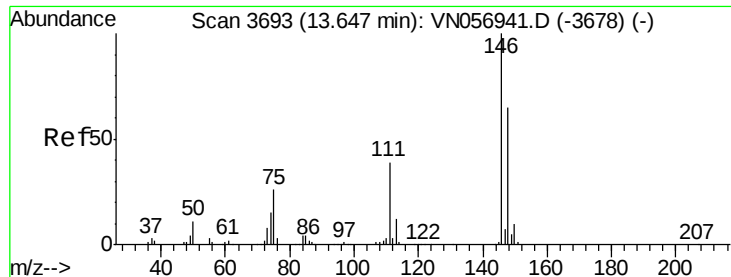
Tgt Ion: 146 Resp: 4723
 Ion Ratio Lower Upper
 146 100
 111 30.3 18.4 55.2
 148 55.5 32.3 96.9



#89
 n-Butylbenzene
 Concen: 0.427 ug/l
 RT: 13.61 min Scan# 3681
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion: 91 Resp: 5017
 Ion Ratio Lower Upper
 91 100
 92 54.3 26.2 78.5
 134 25.9 13.5 40.4

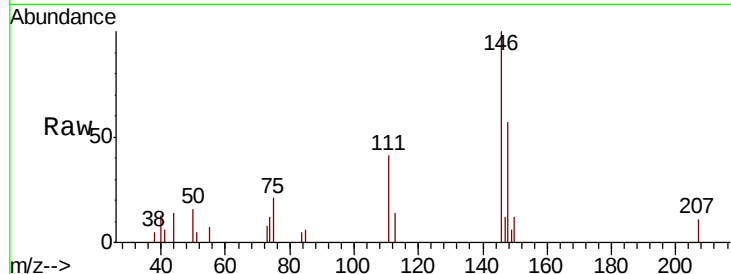




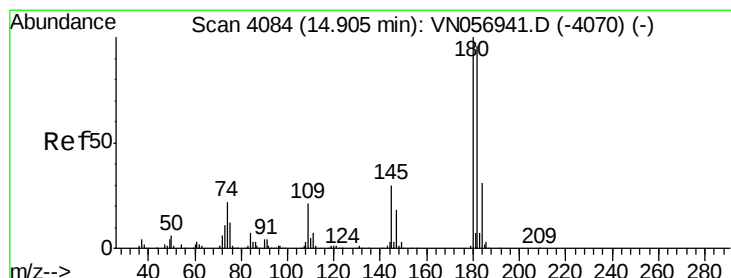
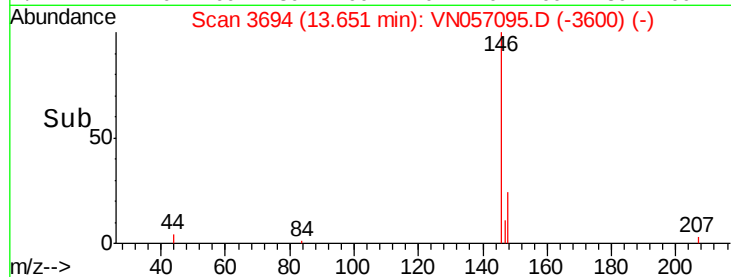
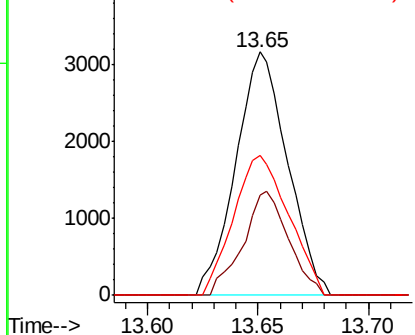
#91
 1,2-Dichlorobenzene
 Concen: 0.718 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

Tgt Ion:146 Resp: 5134
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.4 58.4
 148 61.2 32.2 96.6

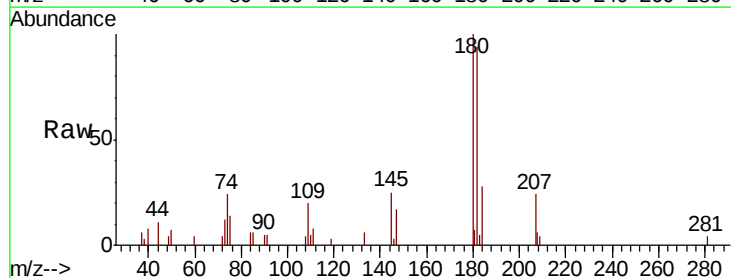


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

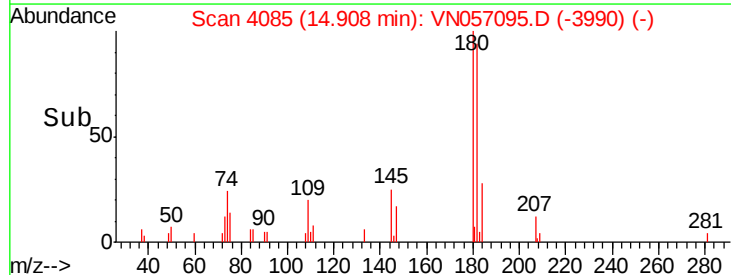
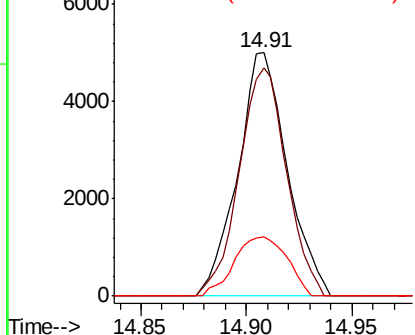


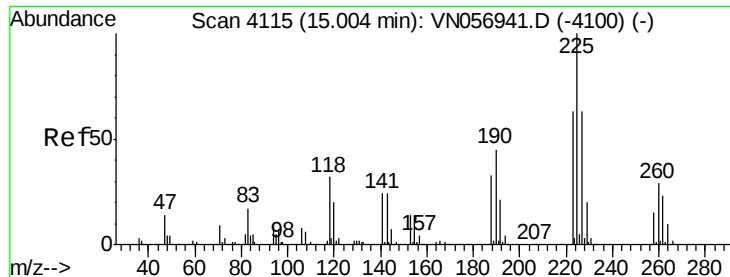
#93
 1,2,4-Trichlorobenzene
 Concen: 4.804 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Tgt Ion:180 Resp: 8162
 Ion Ratio Lower Upper
 180 100
 182 89.7 47.6 142.8
 145 26.1 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

1S-E1-(30)

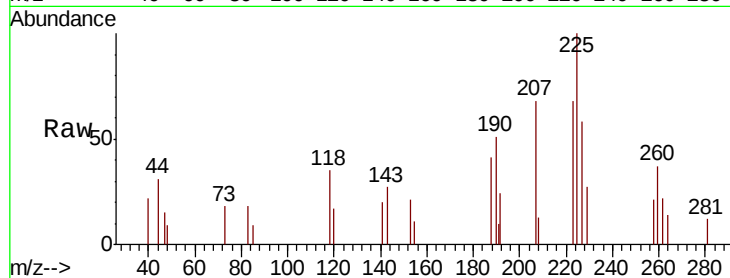
Tgt Ion:225 Resp: 2796

Ion Ratio Lower Upper

225 100

223 61.1 30.8 92.4

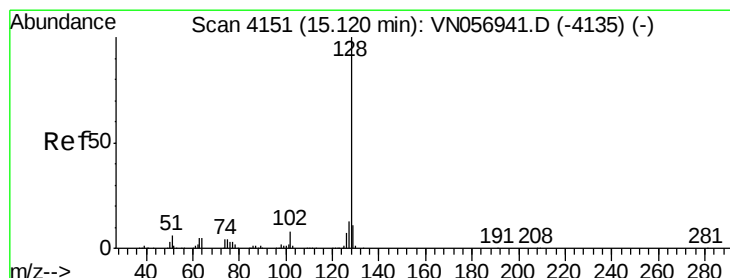
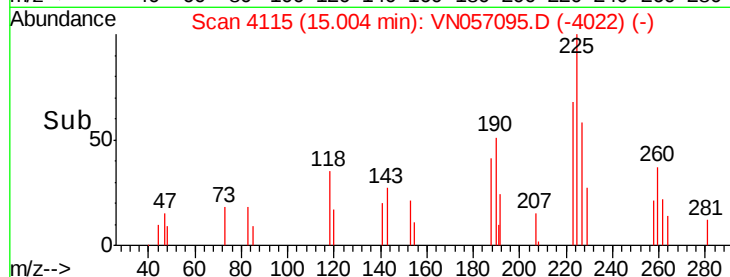
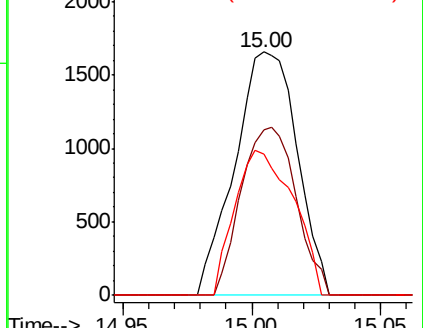
227 56.0 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.654 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057095.D

Acq: 6 Aug 2019 12:01

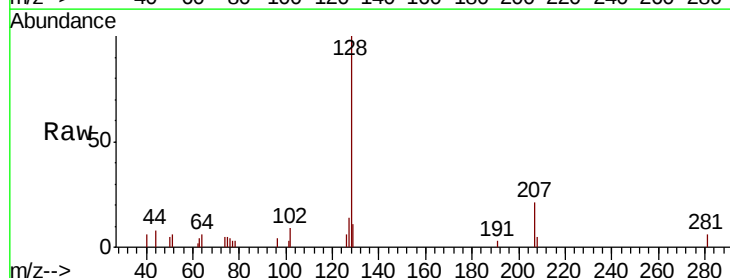
Tgt Ion:128 Resp: 10337

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

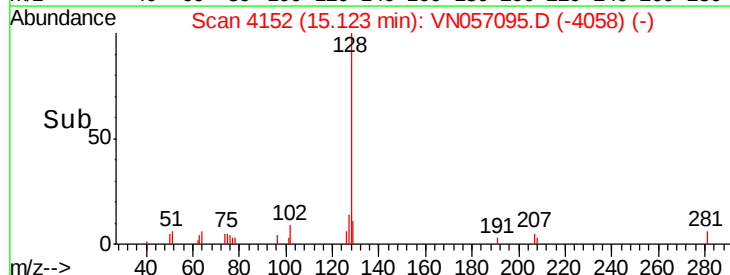
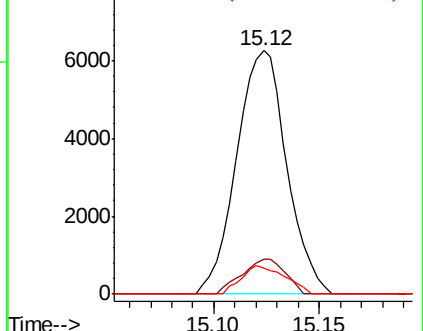
129 10.1 8.7 13.1

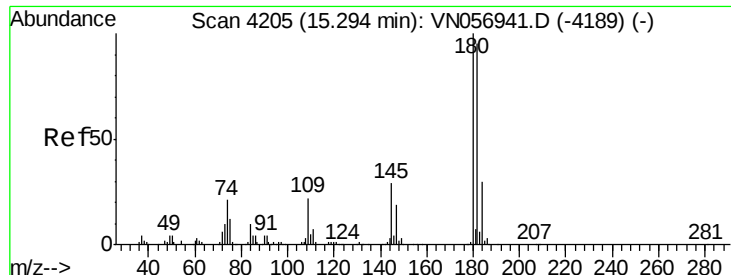


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.023 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057095.D
 Acq: 6 Aug 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 1S-E1-(30)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.0	144.2
145	29.2	15.0	45.0

