

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061142.D
 Acq On : 22 Apr 2020 21:02
 Operator : JC/MD
 Sample : L2279-07 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 07:39:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	183344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	300567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	287238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	140701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	115544	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	7.31	113	84169	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	9.88	98	368984	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.21	95	143313	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

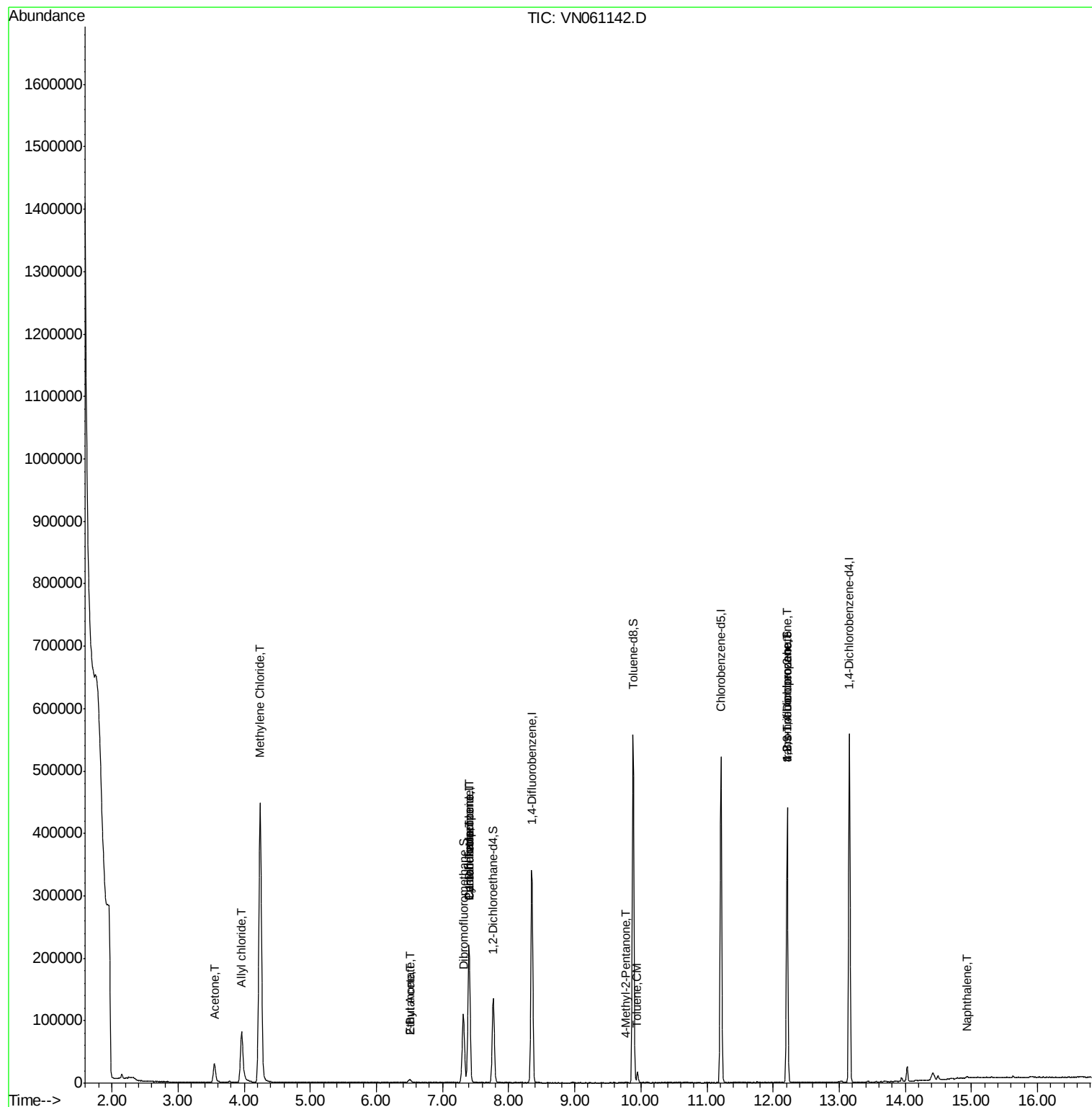
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	3.96	41	129194	54.214	ug/l #	36
16) Acetone	3.55	43	47578	45.991	ug/l	98
18) Methyl Acetate	4.01	43	66	Below Cal	#	51
20) Methylene Chloride	4.24	84	312515	147.132	ug/l	99
25) 2-Butanone	6.52	43	916	0.691	ug/l #	49
31) Cyclohexane	7.40	56	3737	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.40	75	14011	4.770	ug/l #	48
37) Ethyl Acetate	6.52	43	916	0.311	ug/l #	68
38) Carbon Tetrachloride	7.40	117	17922	6.969	ug/l #	16
49) 1,4-Dioxane	8.98	88	821	Below Cal	#	77
51) 4-Methyl-2-Pentanone	9.78	43	704	0.241	ug/l #	36
52) Toluene	9.95	92	6657	1.223	ug/l	96
76) 1,2,3-Trichloropropane	12.21	75	73021	22.499	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.21	75	73021	59.087	ug/l #	12
95) Naphthalene	14.93	128	2767	0.314	ug/l #	91

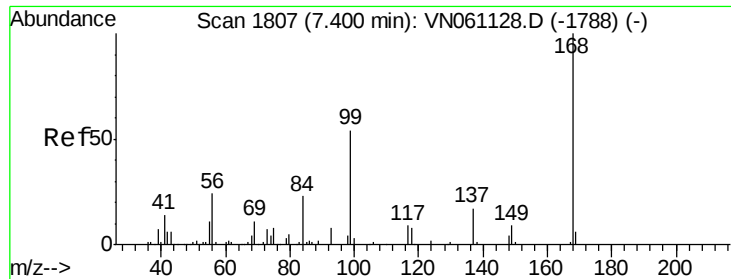
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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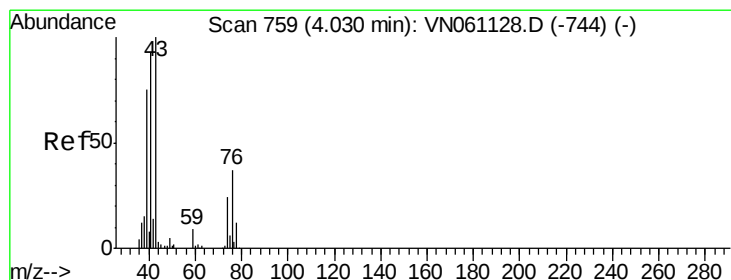
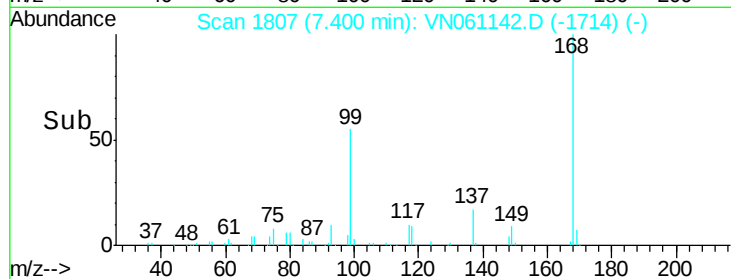
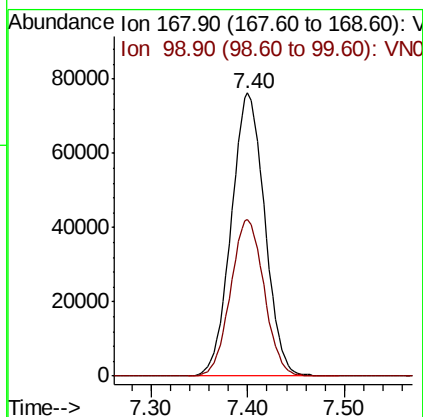
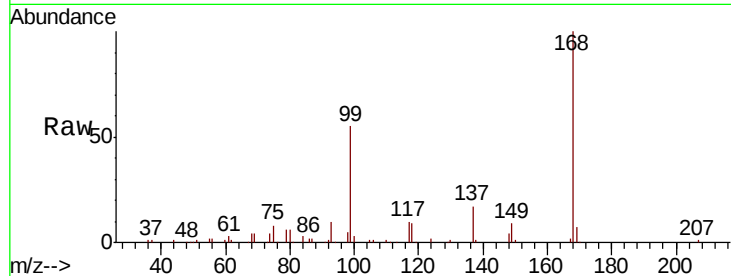




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.40 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

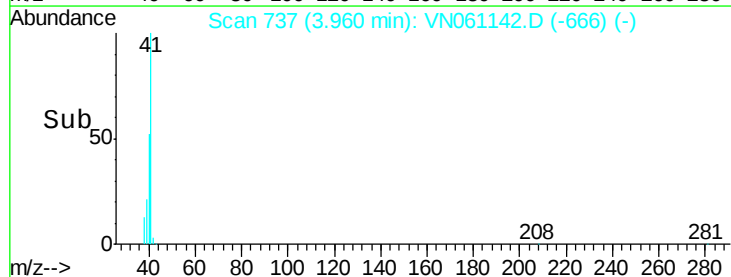
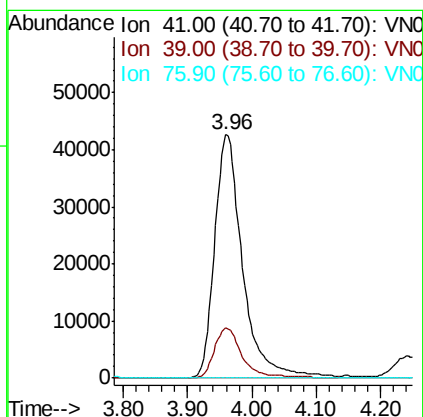
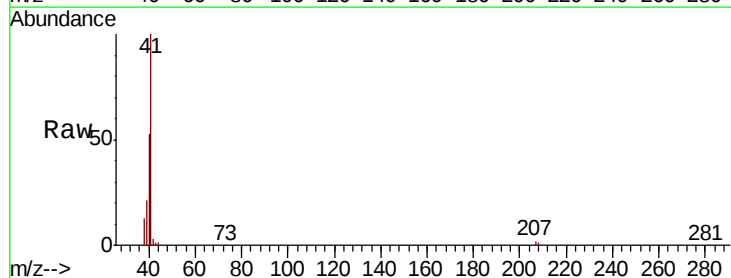
Instrument :
MSVOA_V
ClientSampleId :

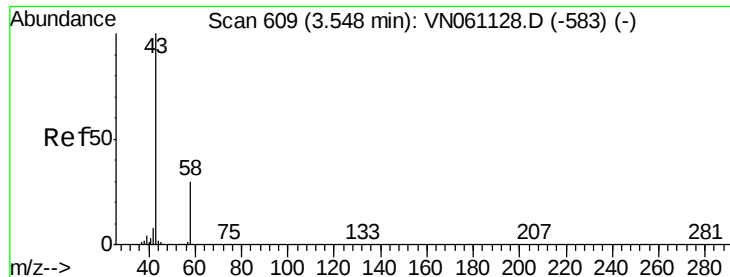
Tot Ion:168 Resp: 183344
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#14
Allyl chloride
Concen: 54.214 ug/l
RT: 3.96 min Scan# 737
Delta R.T. -0.07 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Tgt Ion: 41 Resp: 129194
Ion Ratio Lower Upper
41 100
39 20.5 61.0 91.4#
76 0.0 28.9 43.3#





#16

Acetone

Concen: 45.991 ug/l

RT: 3.55 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_V

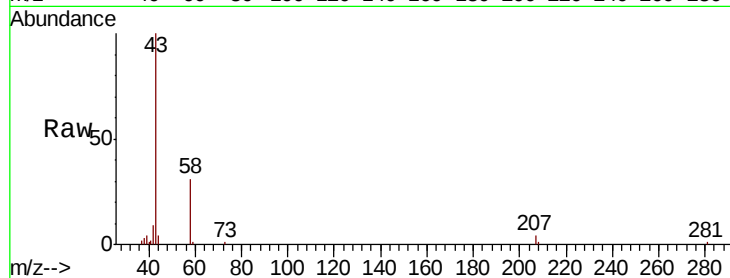
ClientSampleId :

Tot Ion: 43 Resp: 47578

Ion Ratio Lower Upper

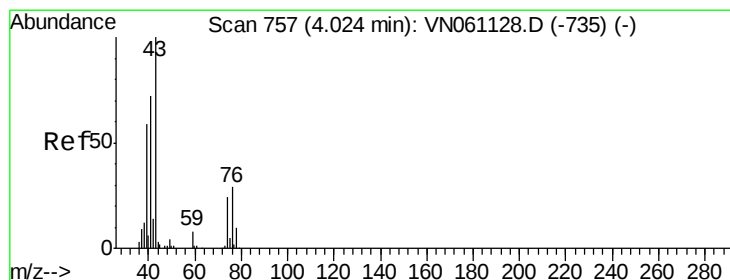
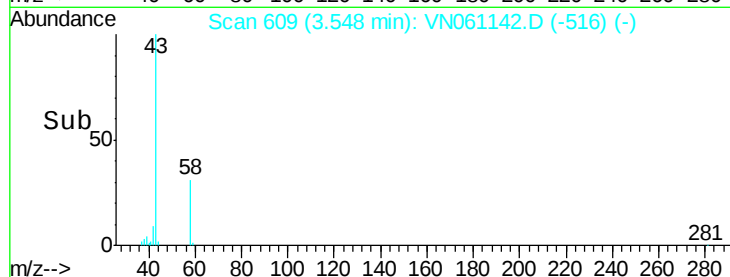
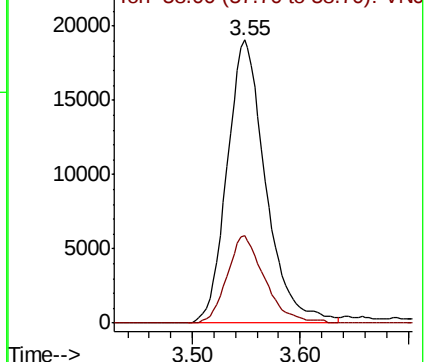
43 100

58 30.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-583) (-)

Ion 58.00 (57.70 to 58.70): VN061128.D (-583) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.01 min Scan# 753

Delta R.T. -0.01 min

Lab File: VN061142.D

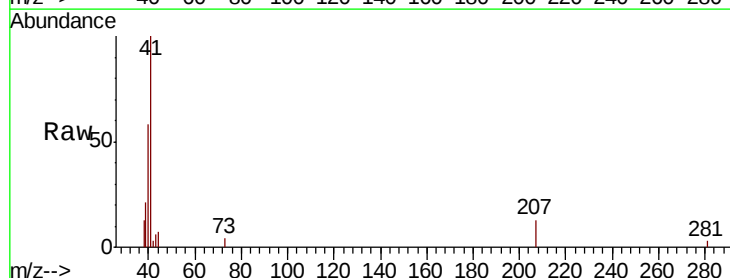
Acq: 22 Apr 2020 21:02

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

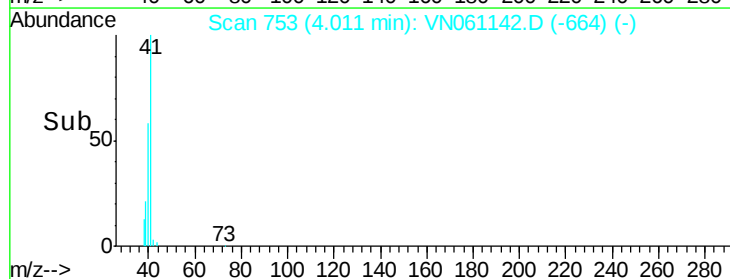
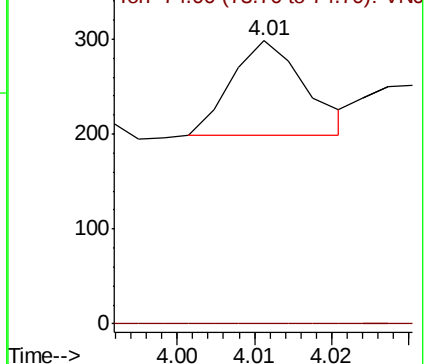
43 100

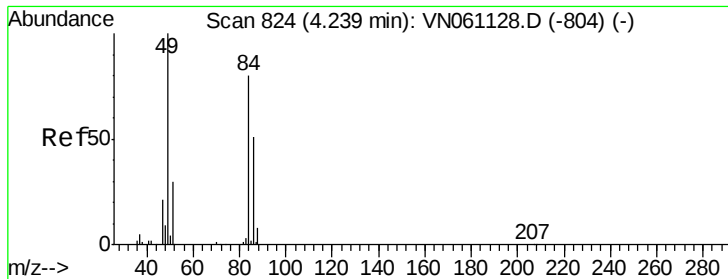
74 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-735) (-)

Ion 74.00 (73.70 to 74.70): VN061128.D (-735) (-)

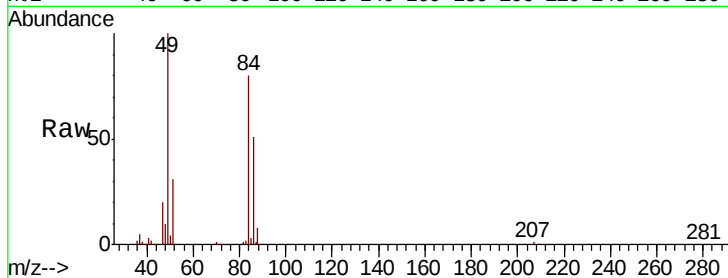




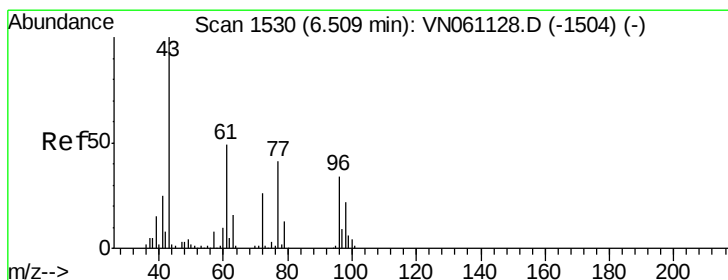
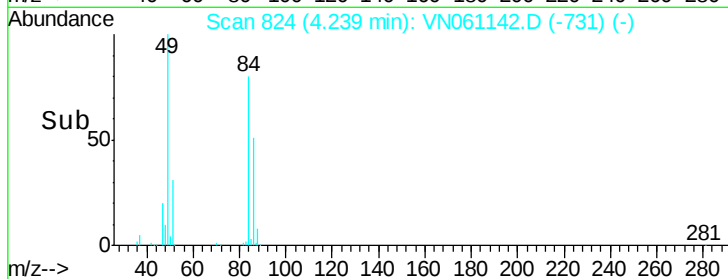
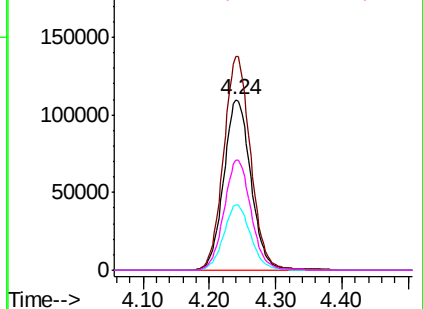
#20
Methvlene Chloride
Concen: 147.132 ug/l
RT: 4.24 min Scan# 824
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	84	Resp:	312515
Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.8	149.6
51	38.4	29.9	44.9
86	64.5	50.9	76.3

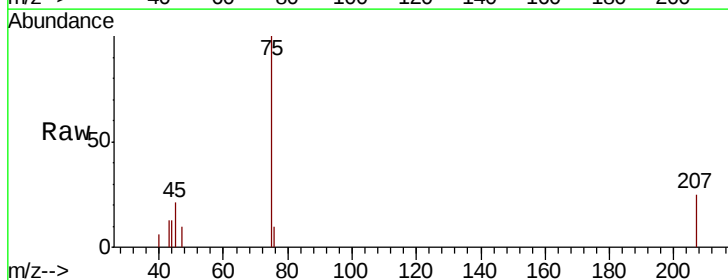


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

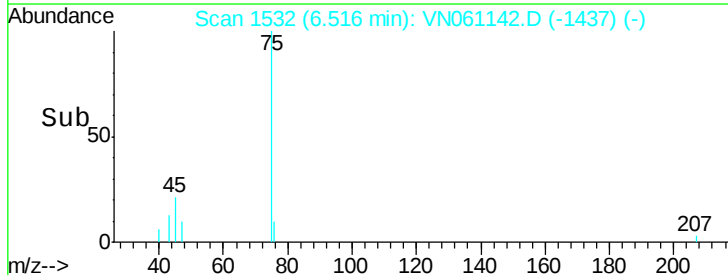
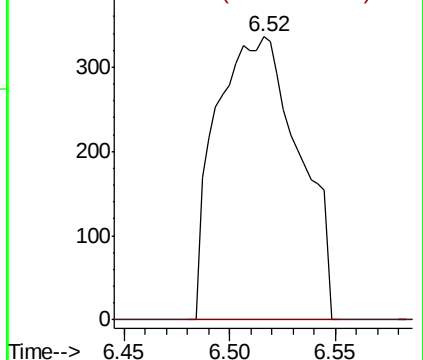


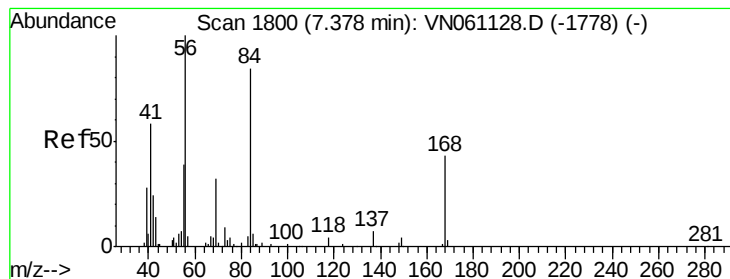
#25
2-Butanone
Concen: 0.691 ug/l
RT: 6.52 min Scan# 1532
Delta R.T. 0.01 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Tgt Ion:	43	Resp:	916
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.40 min Scan# 1806

Delta R.T. 0.02 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :
MSVOA_V
ClientSampleId :

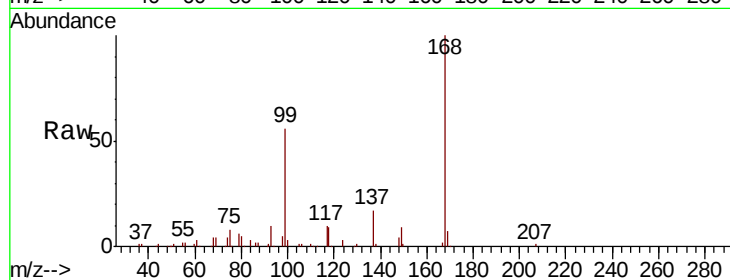
Tot Ion: 56 Resp: 3737

Ion Ratio Lower Upper

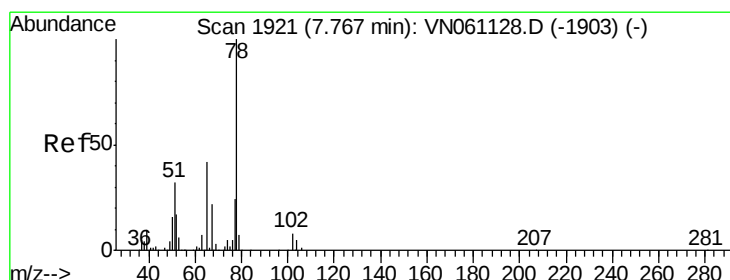
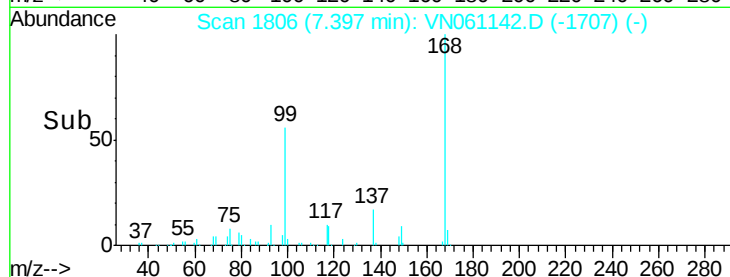
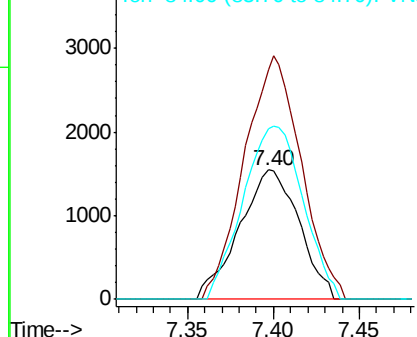
56 100

69 177.9 25.9 38.9#

84 132.3 67.4 101.0#



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: 47.527 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VN061142.D

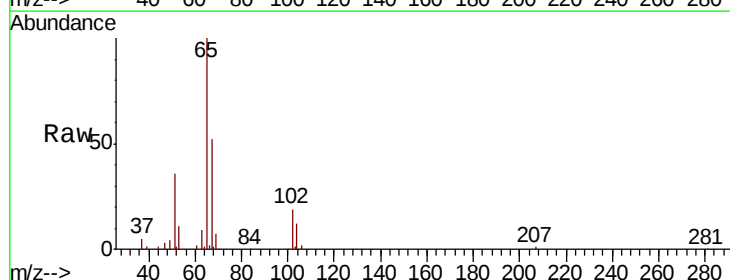
Acq: 22 Apr 2020 21:02

Tgt Ion: 65 Resp: 115544

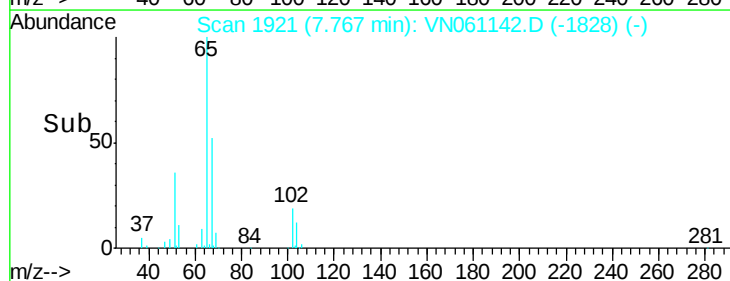
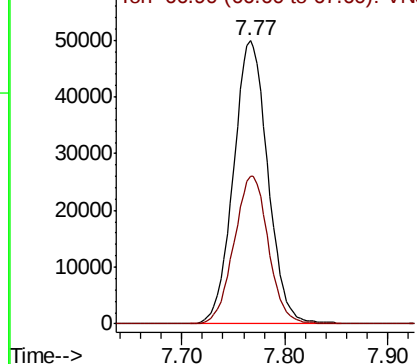
Ion Ratio Lower Upper

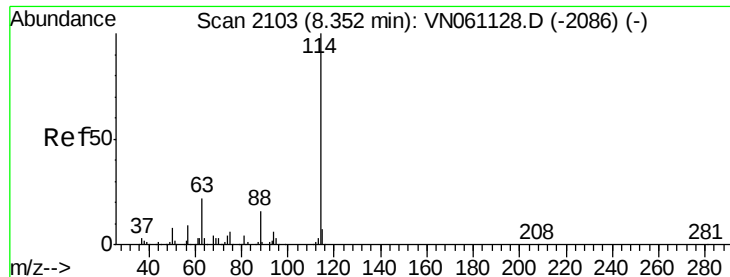
65 100

67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

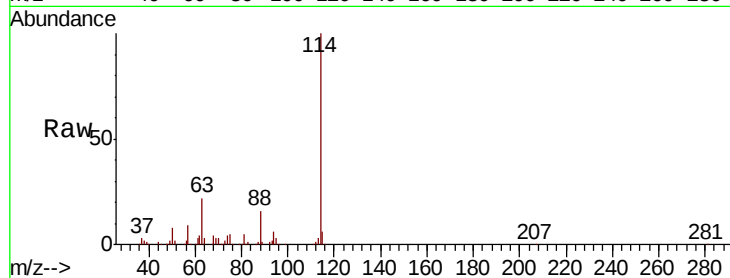




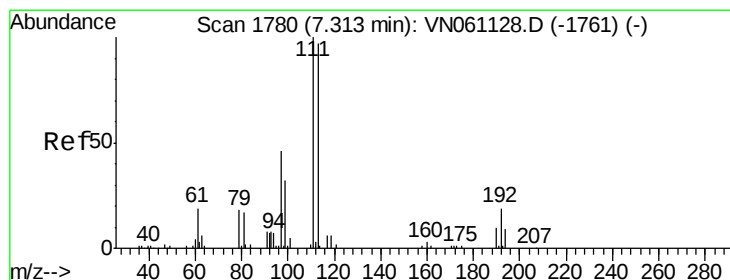
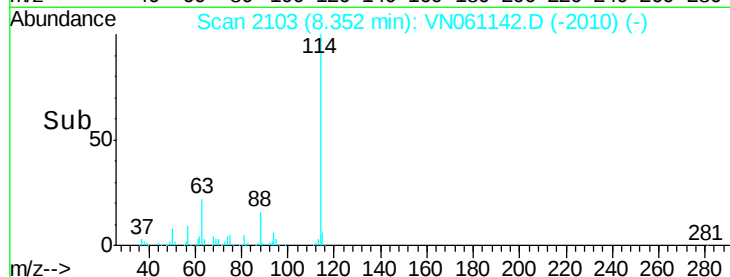
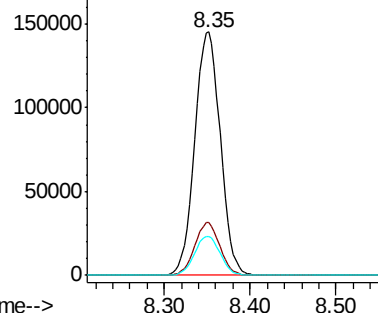
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.35 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: VN061142.D
 Acq: 22 Apr 2020 21:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	16.2	0.0	32.4

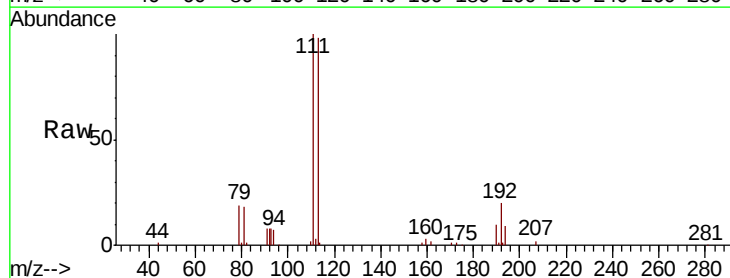


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

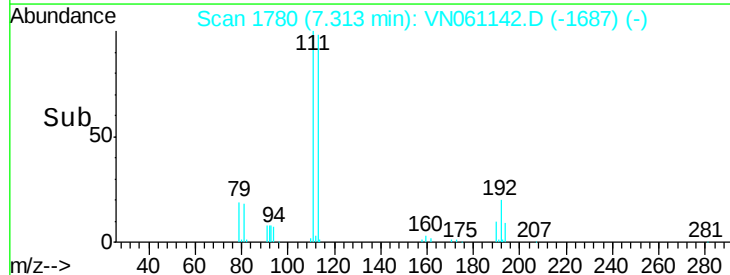
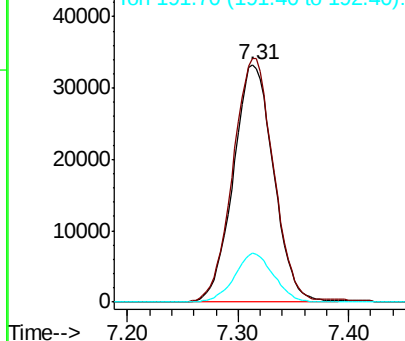


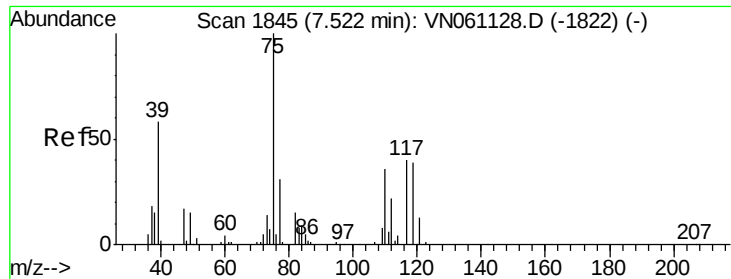
#35
 Dibromofluoromethane
 Concen: 49.069 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061142.D
 Acq: 22 Apr 2020 21:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.6
192	19.9	15.8	23.6



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

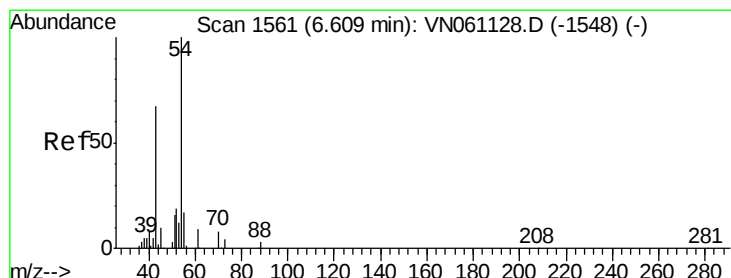
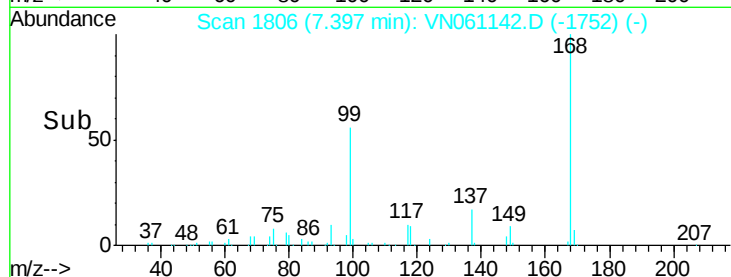
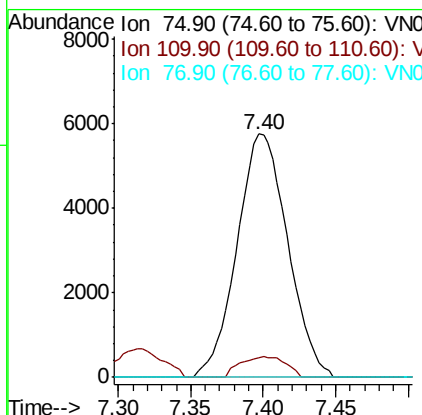
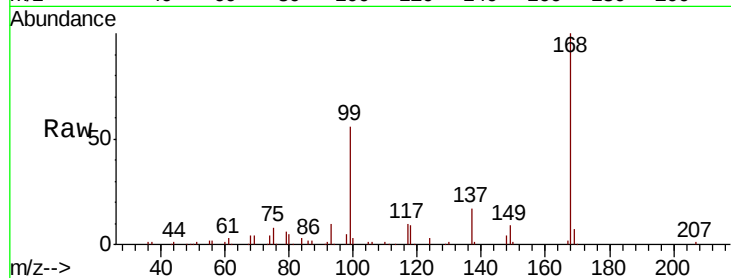




#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 7.40 min Scan# 1806
 Delta R.T. -0.13 min
 Lab File: VN061142.D
 Acq: 22 Apr 2020 21:02

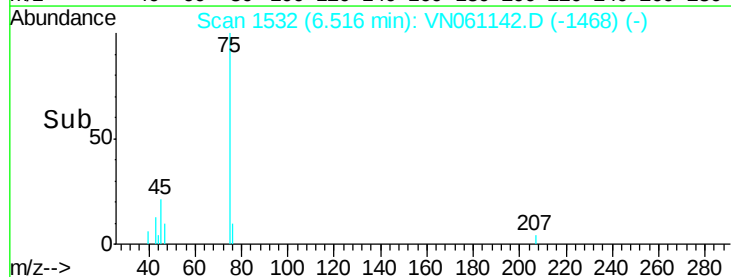
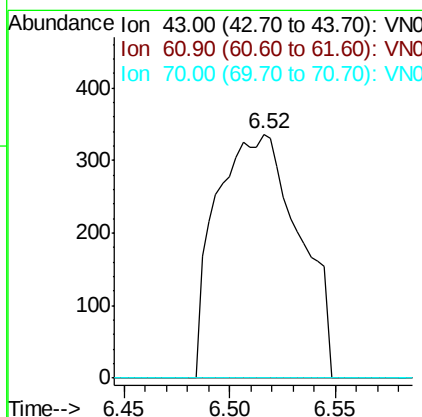
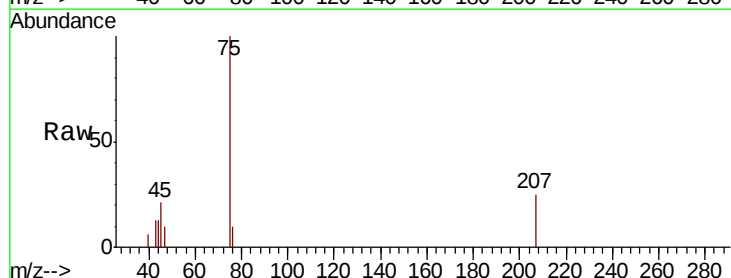
Instrument :
 MSVOA_V
 ClientSampleId :

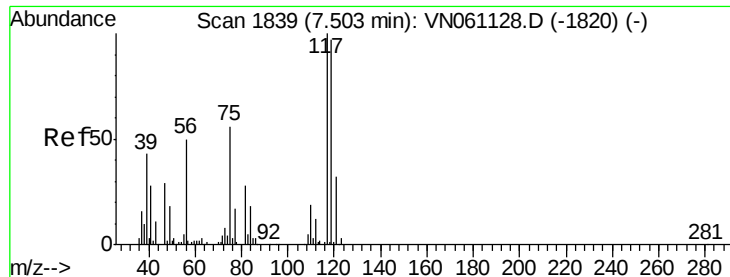
Tot Ion	75	Resp	14011
Ion Ratio	100	Lower	Upper
75	100		
110	7.6	17.7	53.1#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 0.311 ug/l
 RT: 6.52 min Scan# 1532
 Delta R.T. -0.09 min
 Lab File: VN061142.D
 Acq: 22 Apr 2020 21:02

Tgt Ion	43	Resp	916
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 6.969 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.10 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_V

ClientSampleId :

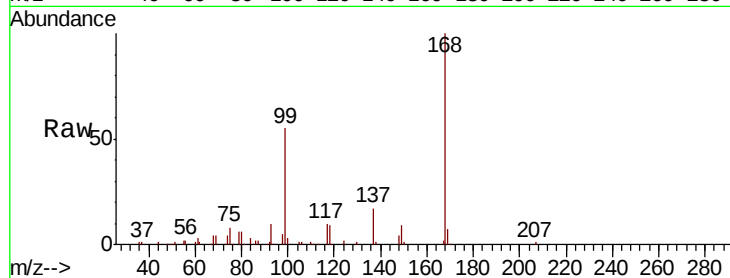
Tot Ion:117 Resp: 17922

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

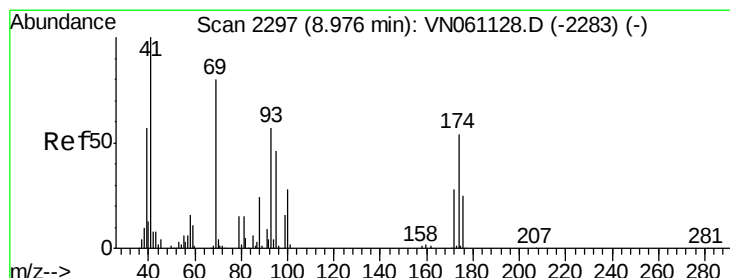
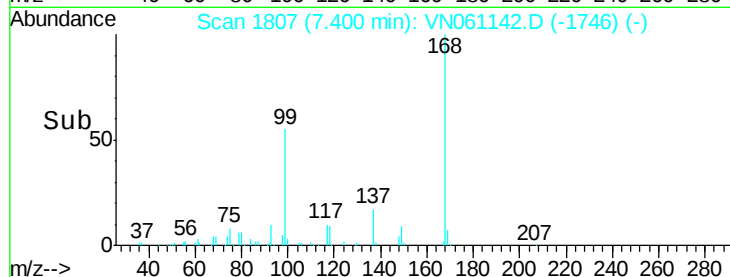
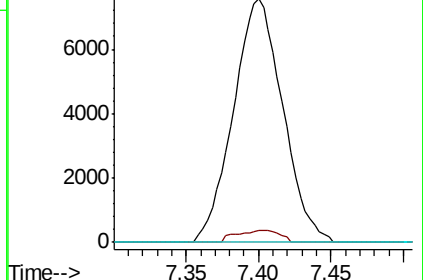
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 8.98 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

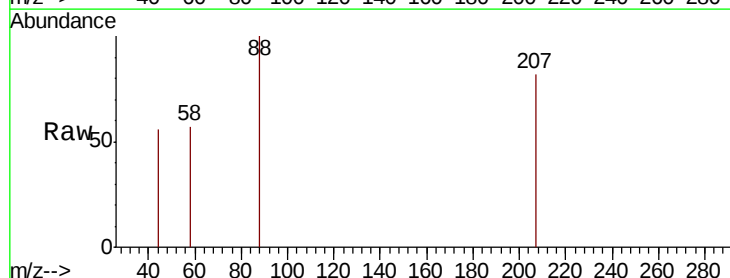
Tgt Ion: 88 Resp: 821

Ion Ratio Lower Upper

88 100

43 15.7 29.0 43.4#

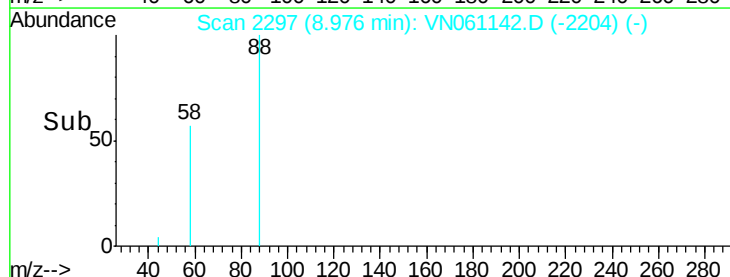
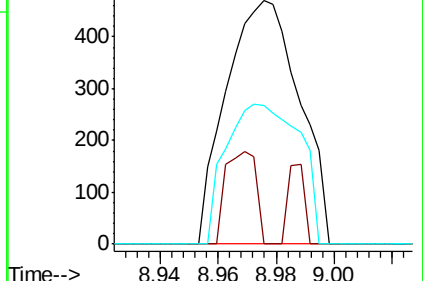
58 58.3 57.8 86.6

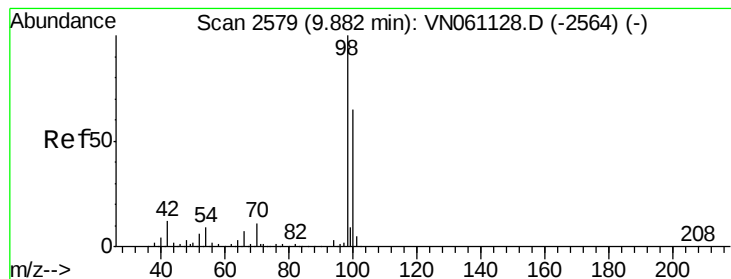


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.200 ug/l

RT: 9.88 min Scan# 2579

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_V

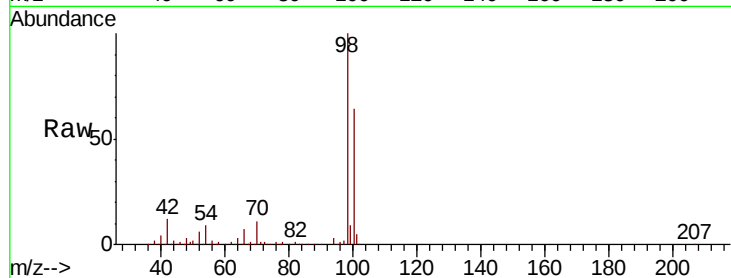
ClientSampleId :

Tot Ion: 98 Resp: 368984

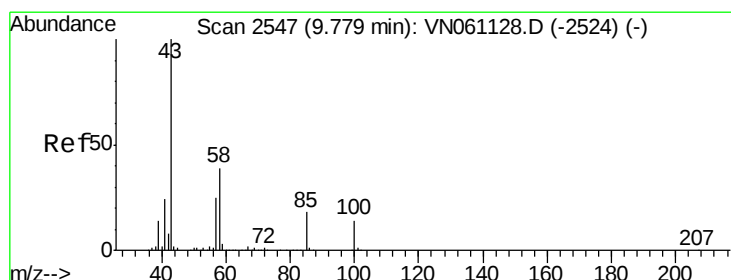
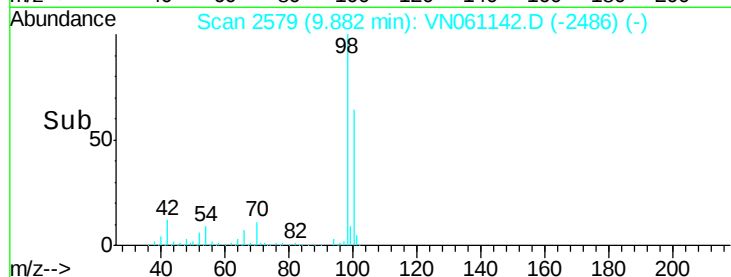
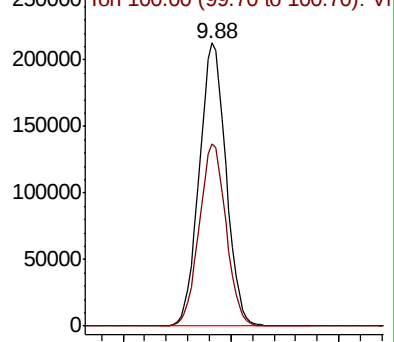
Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN061142.D (-2486) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 9.78 min Scan# 2546

Delta R.T. -0.00 min

Lab File: VN061142.D

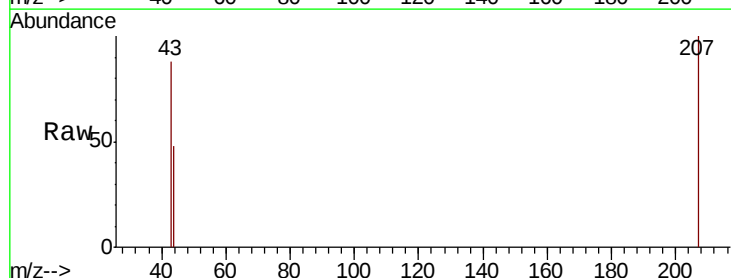
Acq: 22 Apr 2020 21:02

Tgt Ion: 43 Resp: 704

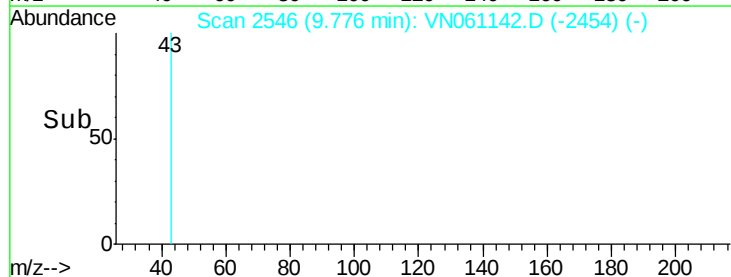
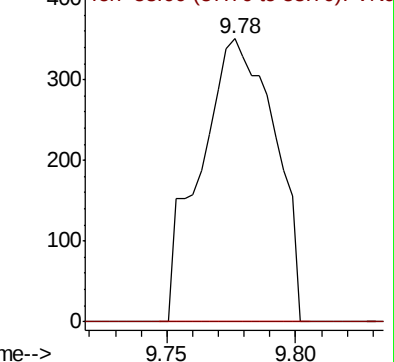
Ion Ratio Lower Upper

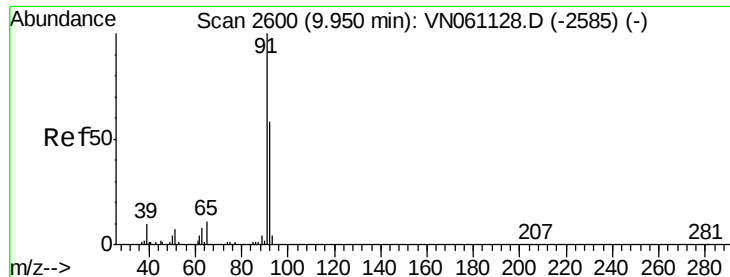
43 100

58 0.0 31.0 46.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061142.D (-2454) (-)





#52

Toluene

Concen: 1.223 ug/l

RT: 9.95 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

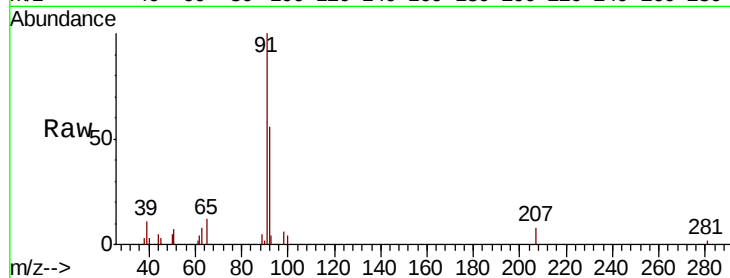
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 92 Resp: 6657

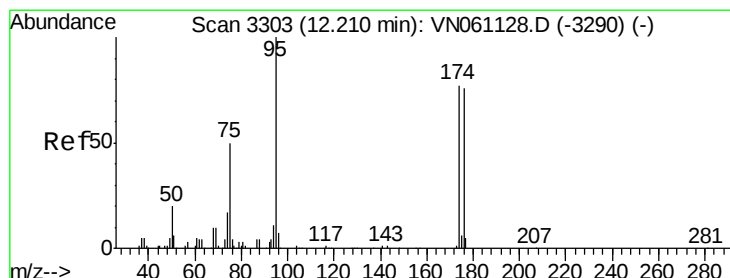
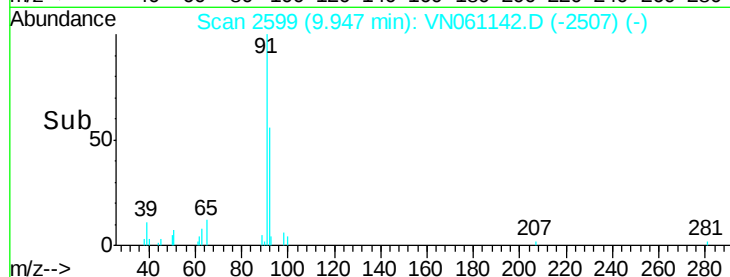
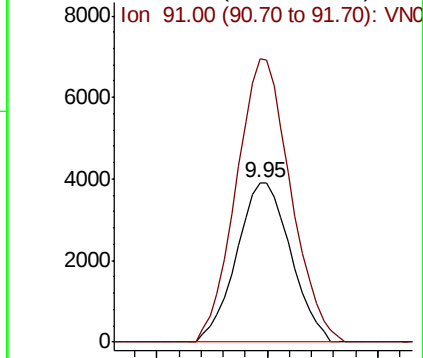
Ion Ratio Lower Upper

92 100

91 178.6 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VN061142.D (-2599) (-)



#62

4-Bromofluorobenzene

Concen: 52.061 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

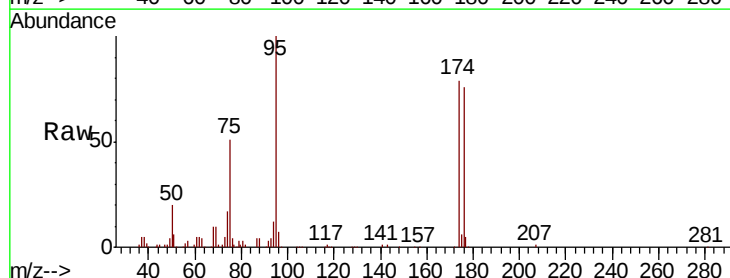
Tgt Ion: 95 Resp: 143313

Ion Ratio Lower Upper

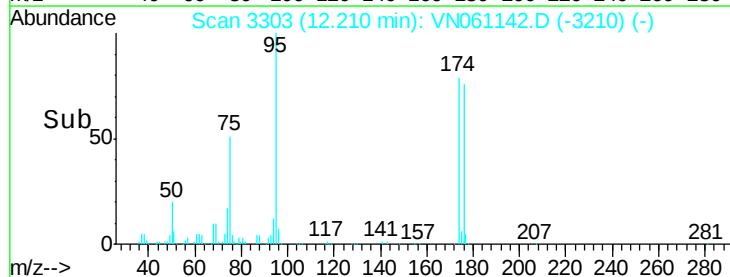
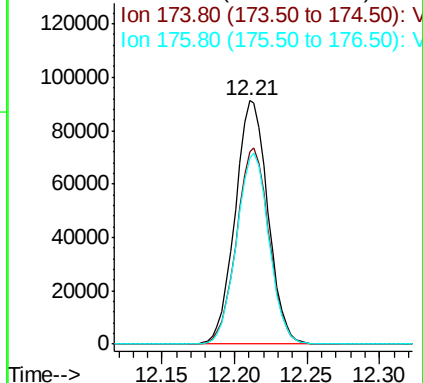
95 100

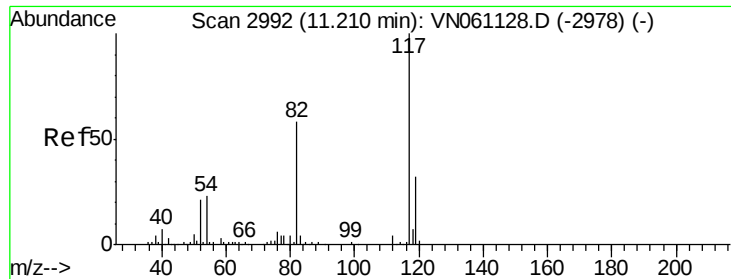
174 79.9 0.0 157.6

176 77.5 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VN061142.D (-3303) (-)

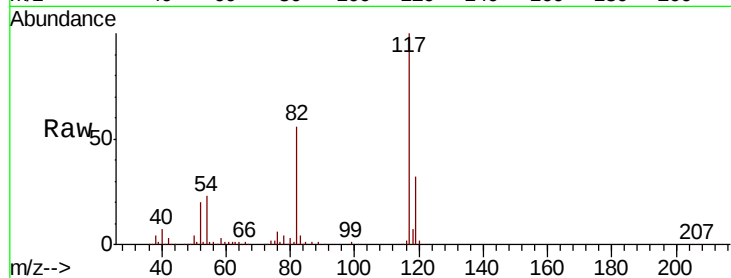




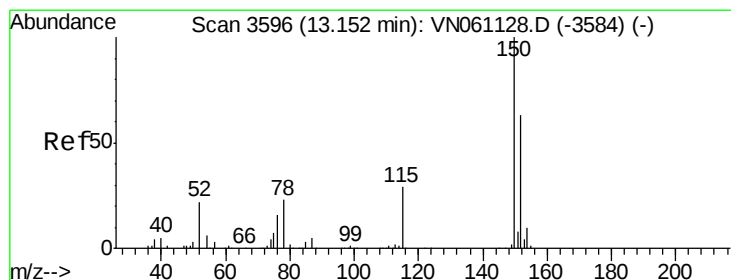
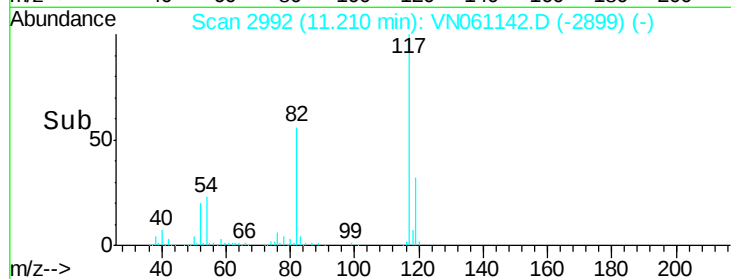
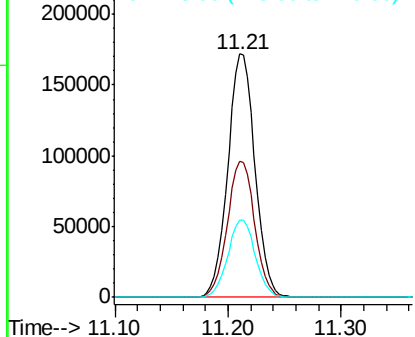
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2992
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 287238
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 31.8 25.9 38.9

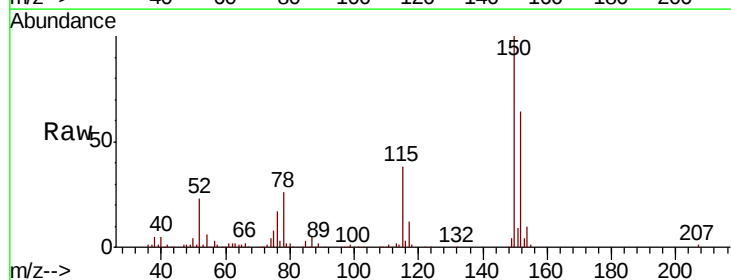


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

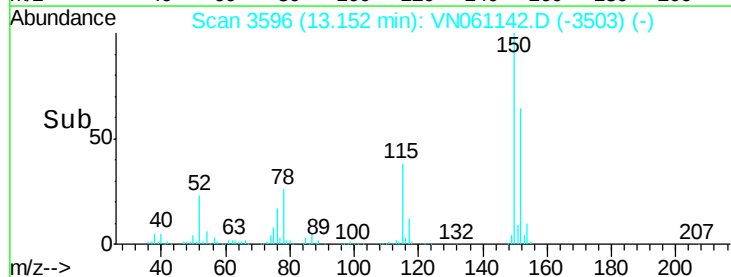
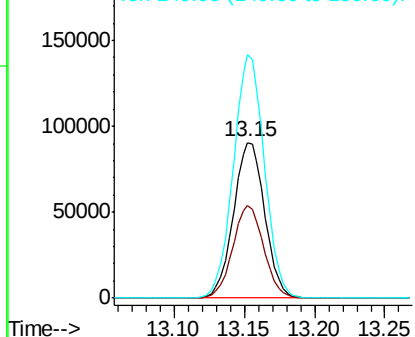


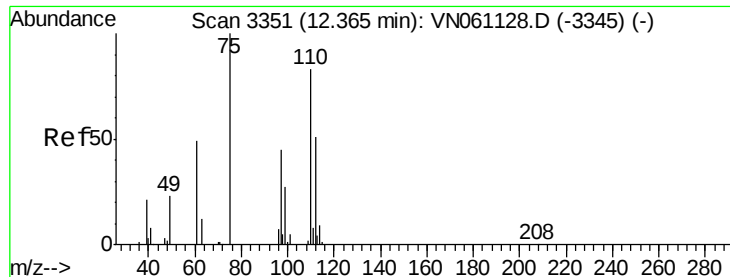
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN061142.D
Acq: 22 Apr 2020 21:02

Tgt Ion:152 Resp: 140701
Ion Ratio Lower Upper
152 100
115 58.7 29.8 89.5
150 155.5 0.0 348.6



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





#76

1,2,3-Trichloropropane

Concen: 22.499 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_V

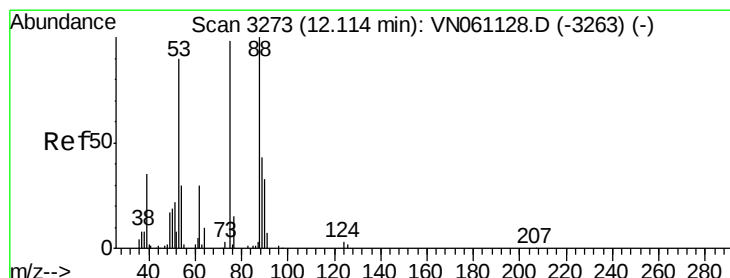
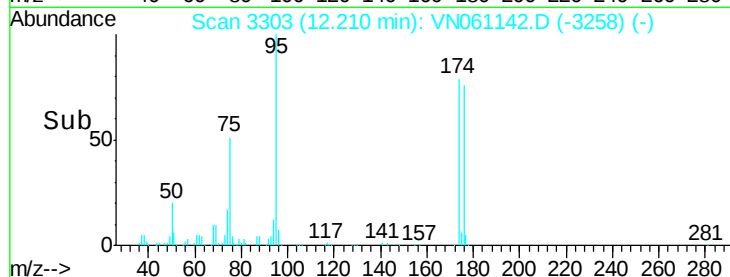
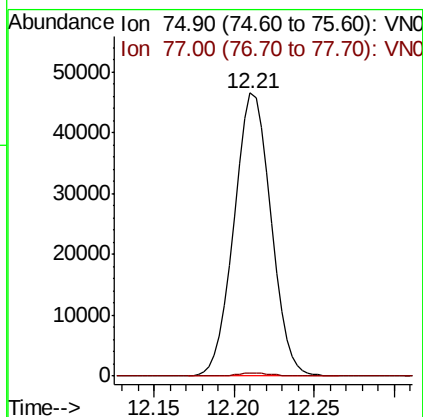
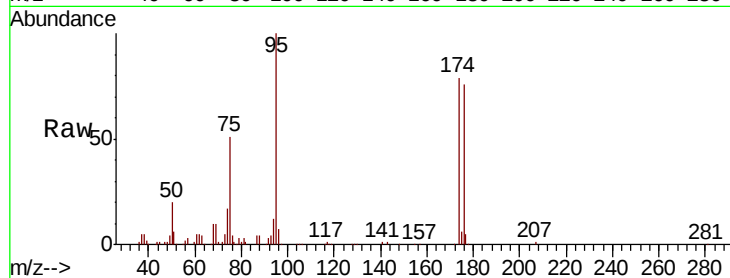
ClientSampleId :

Tot Ion: 75 Resp: 73021

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.087 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

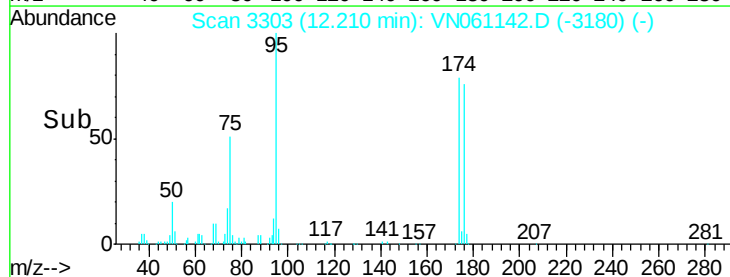
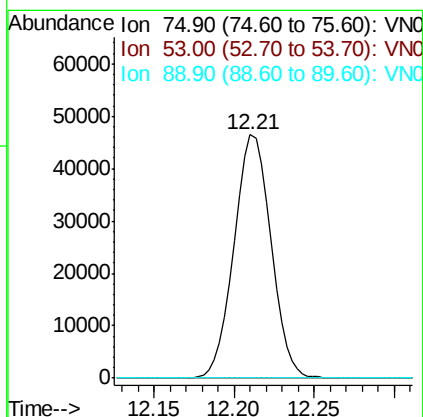
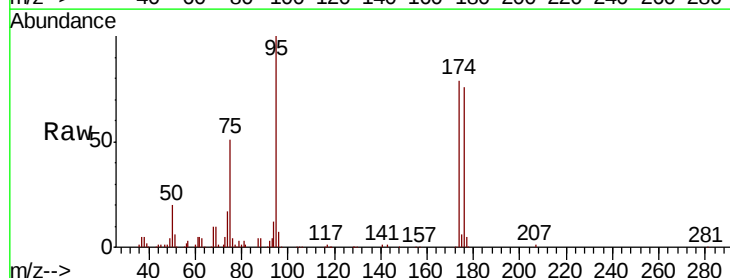
Tgt Ion: 75 Resp: 73021

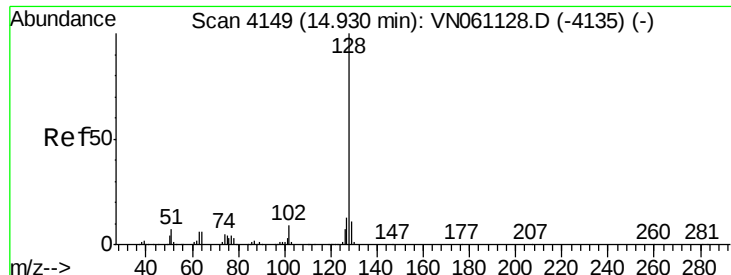
Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 0.314 ug/l

RT: 14.93 min Scan# 4150

Delta R.T. 0.00 min

Lab File: VN061142.D

Acq: 22 Apr 2020 21:02

Instrument :

MSVOA_V

ClientSampleId :

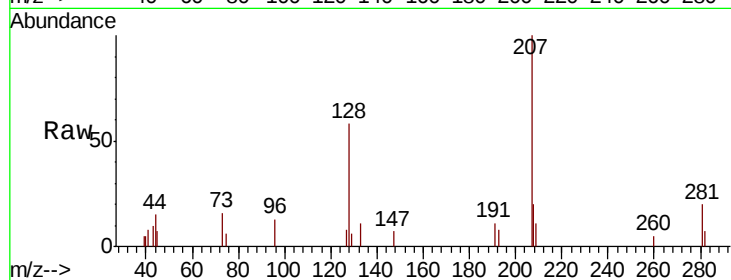
Tot Ion:128 Resp: 2767

Ion Ratio Lower Upper

128 100

127 10.3 10.2 15.4

129 6.0 8.6 12.8#



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

