

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059802.D
 Acq On : 21 Jan 2020 11:09
 Operator : JC/MD
 Sample : VN0121MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:43:50 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	214897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	322125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	112762	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	110982	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
35) Dibromofluoromethane	7.56	113	97409	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.08	98	374408	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	123104	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

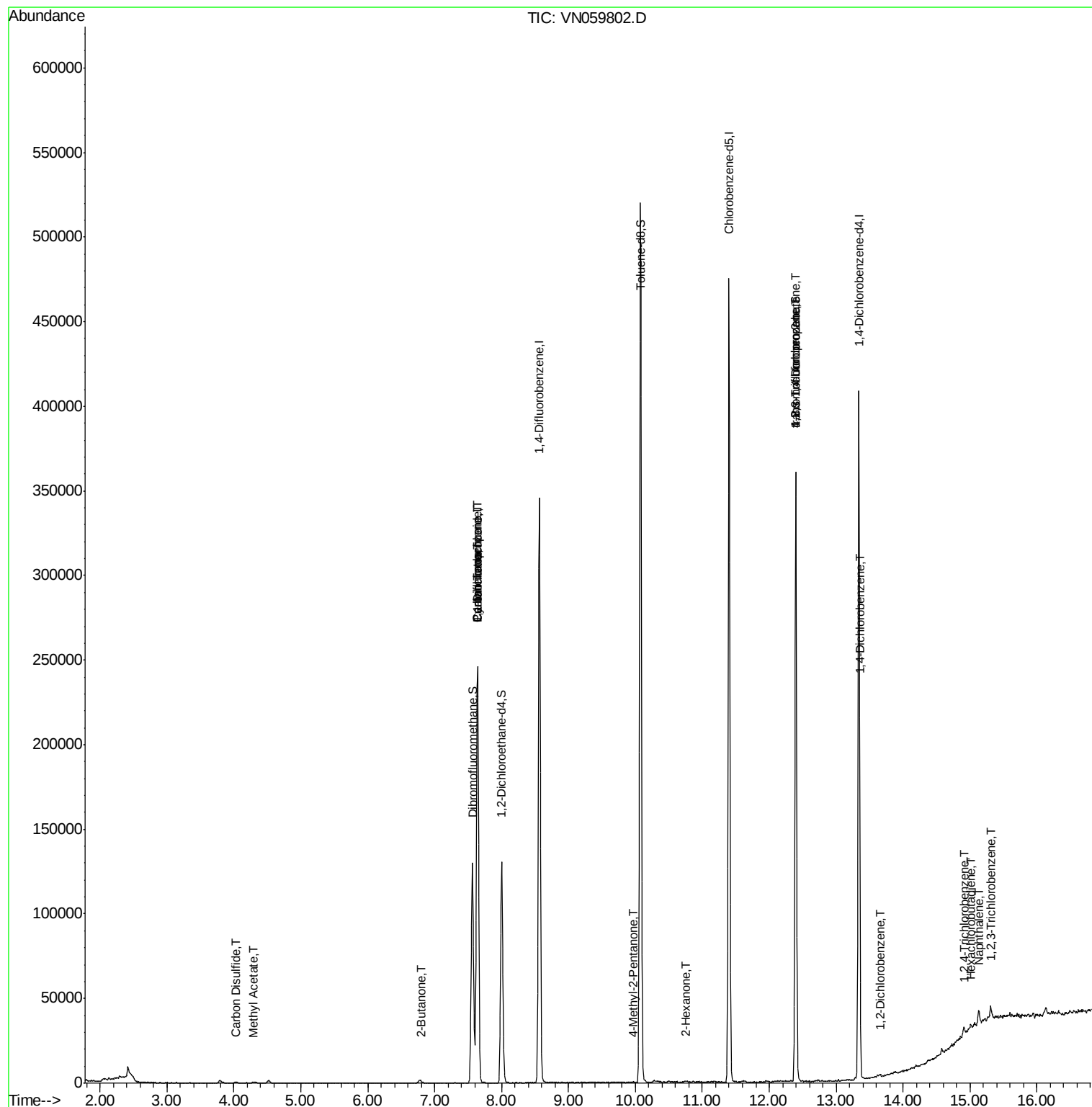
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2635	Below Cal		94
17) Carbon Disulfide	4.03	76	1168	0.209	ug/l #	75
18) Methyl Acetate	4.30	43	837	0.300	ug/l #	54
20) Methylene Chloride	4.53	84	1212	Below Cal	#	82
25) 2-Butanone	6.81	43	450	0.333	ug/l #	50
31) Cyclohexane	7.64	56	4171	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14453	5.152	ug/l #	51
38) Carbon Tetrachloride	7.64	117	19989	6.551	ug/l #	17
51) 4-Methyl-2-Pentanone	9.97	43	823	0.315	ug/l #	38
59) 2-Hexanone	10.75	43	1064	0.552	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	60928	32.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60928	68.949	ug/l #	11
88) 1,4-Dichlorobenzene	13.36	146	766	0.211	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	735	0.204	ug/l #	56
92) 1,2-Dibromo-3-Chloropropan	14.26	75	102	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1926	0.891	ug/l	95
94) Hexachlorobutadiene	15.00	225	533	0.448	ug/l	84
95) Naphthalene	15.13	128	7917	1.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	3061	1.455	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

Instrument :

MSVOA_N

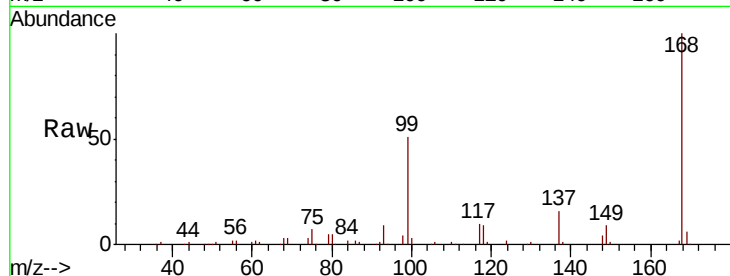
ClientSampleId :

Tot Ion:168 Resp: 214897

Ion Ratio Lower Upper

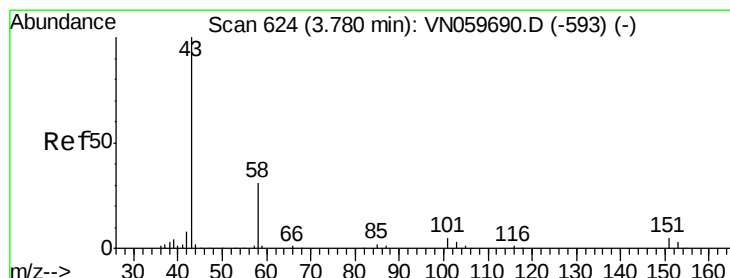
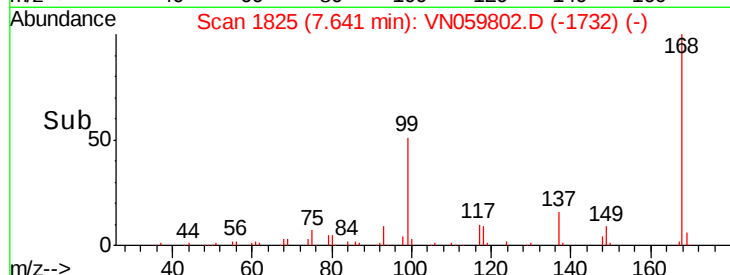
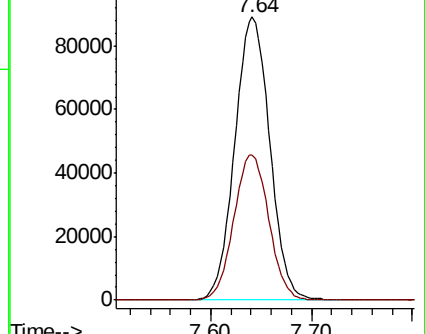
168 100

99 51.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059802.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059802.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059802.D

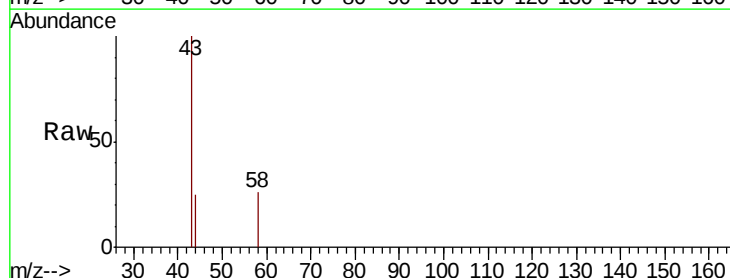
Acq: 21 Jan 2020 11:09

Tgt Ion: 43 Resp: 2635

Ion Ratio Lower Upper

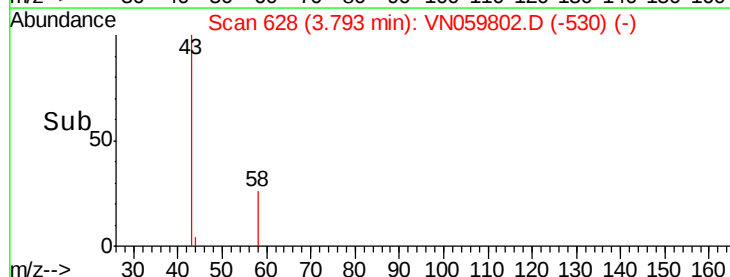
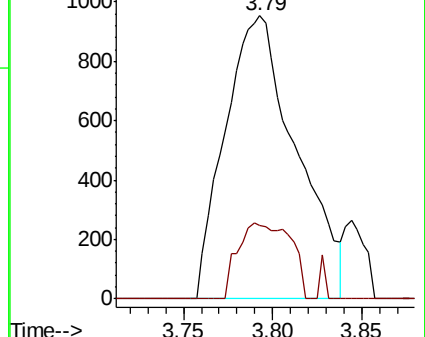
43 100

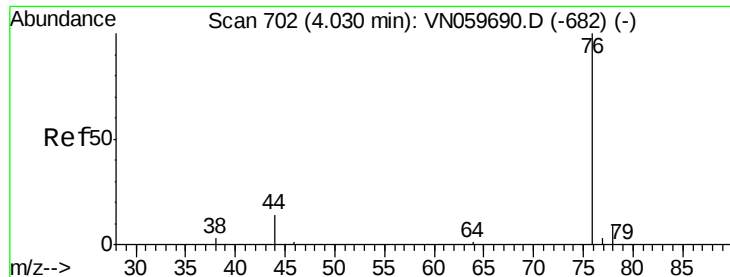
58 26.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059802.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059802.D (-530) (-)

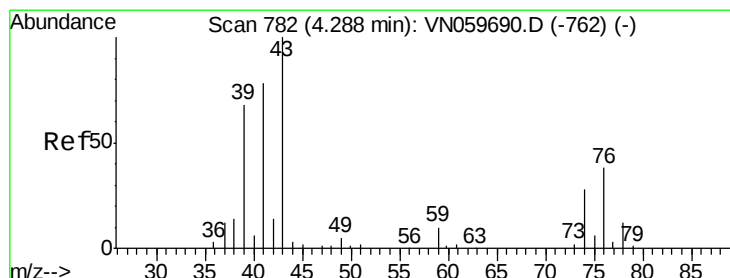
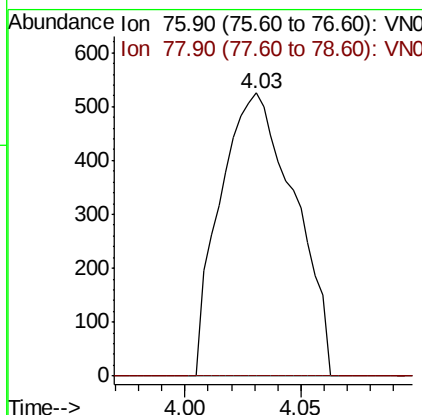
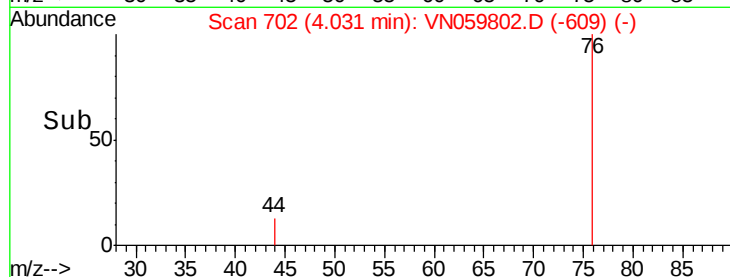
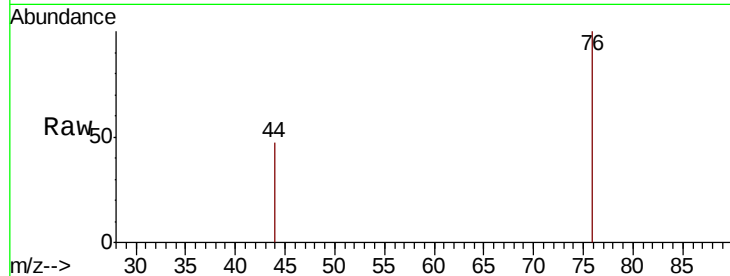




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

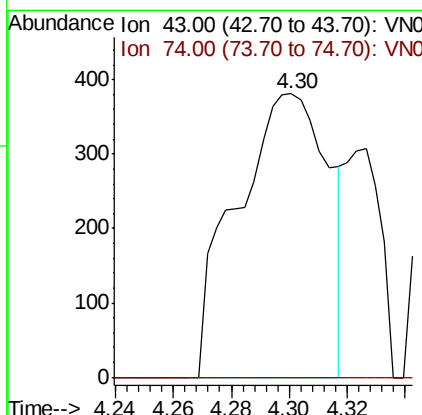
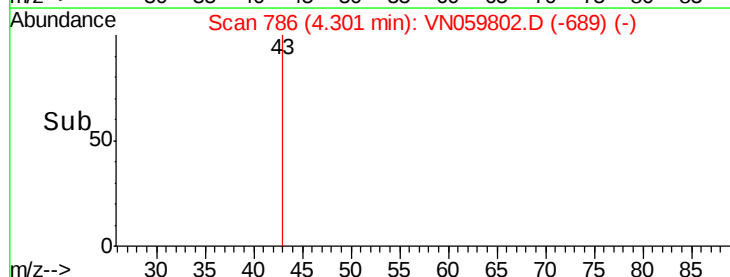
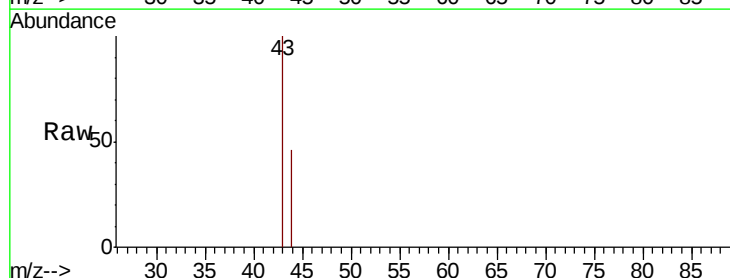
Instrument :
MSVOA_N
ClientSampled :

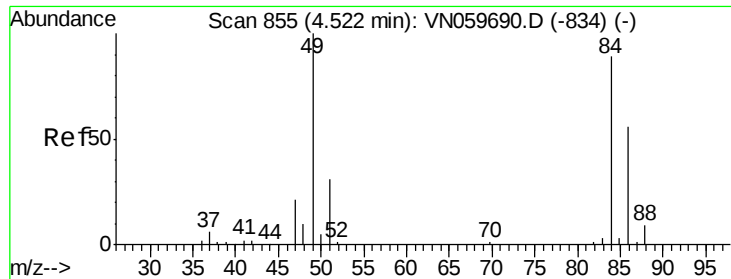
Tot Ion: 76 Resp: 1168
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

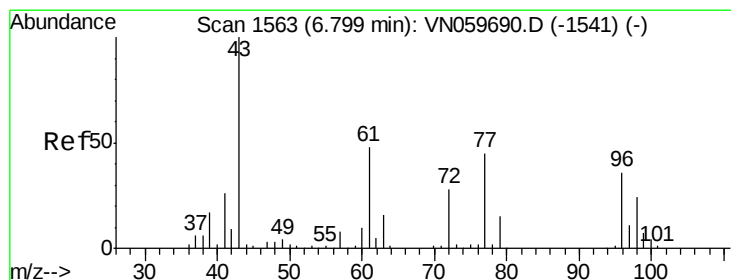
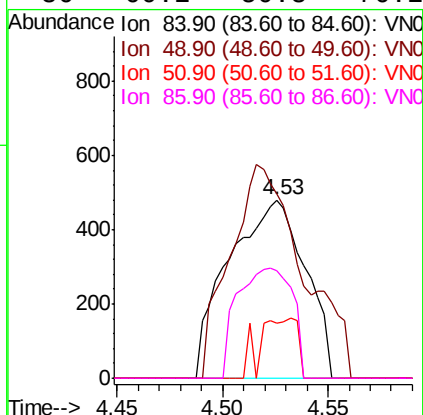
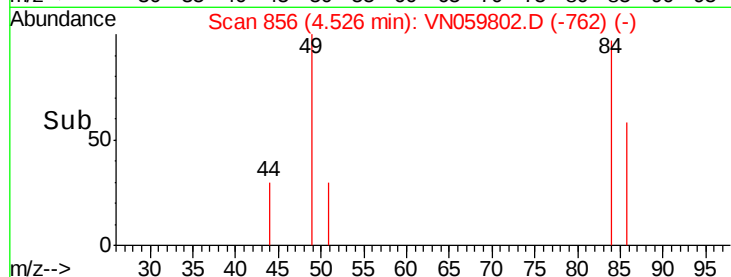
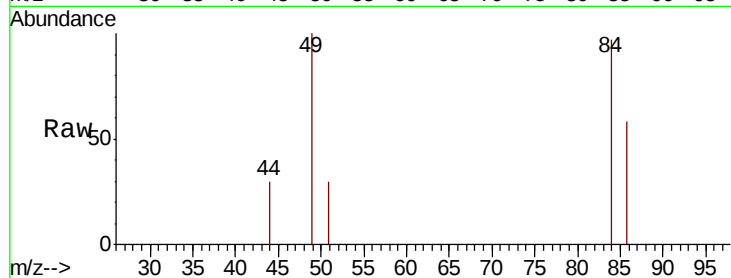




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

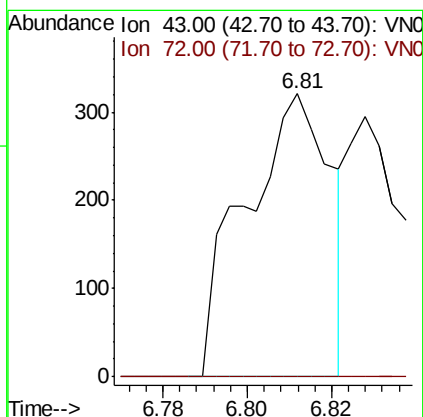
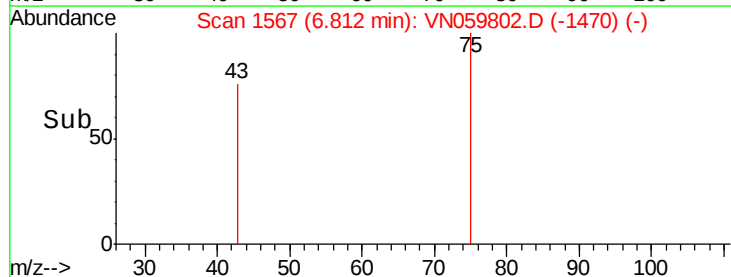
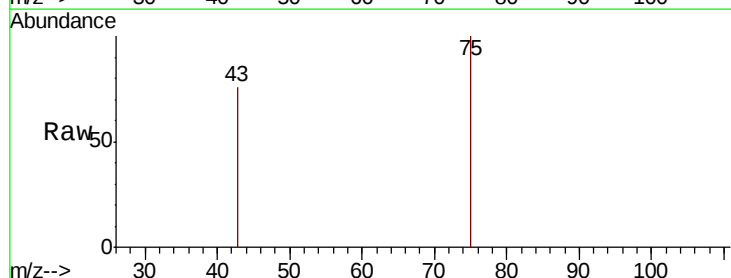
Instrument :
MSVOA_N
ClientSampled :

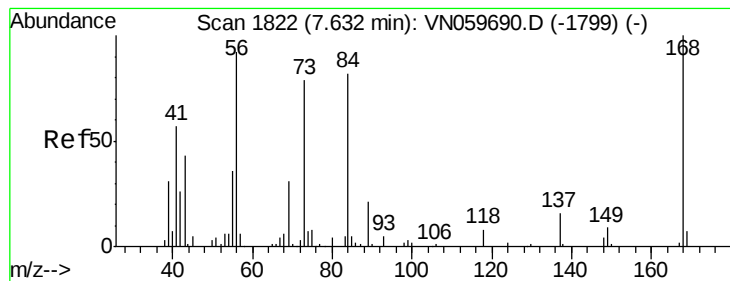
Tot Ion: 84 Resp: 1212
Ion Ratio Lower Upper
84 100
49 103.5 106.6 160.0#
51 31.3 31.9 47.9#
86 60.2 50.8 76.2



#25
2-Butanone
Concen: 0.333 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

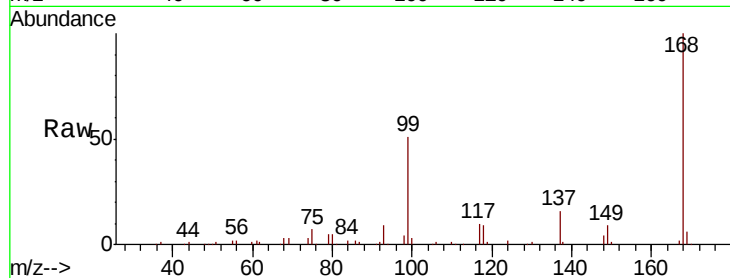
Tot Ion: 56 Resp: 4171

Ion Ratio Lower Upper

56 100

69 170.0 26.5 39.7#

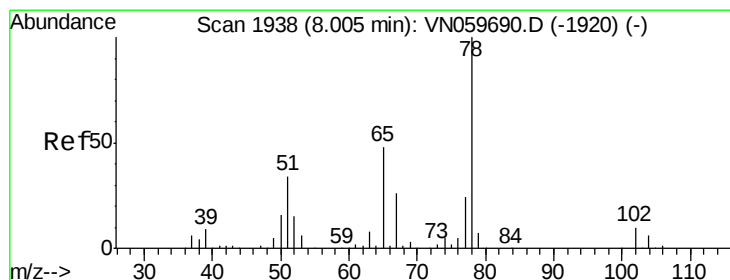
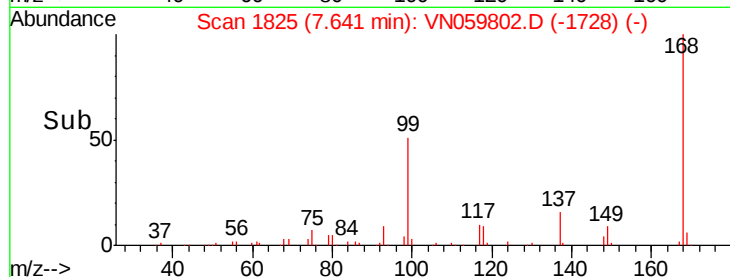
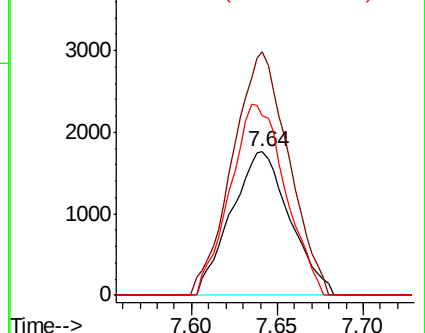
84 125.8 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059802.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN059802.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN059802.D (-1728) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.504 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059802.D

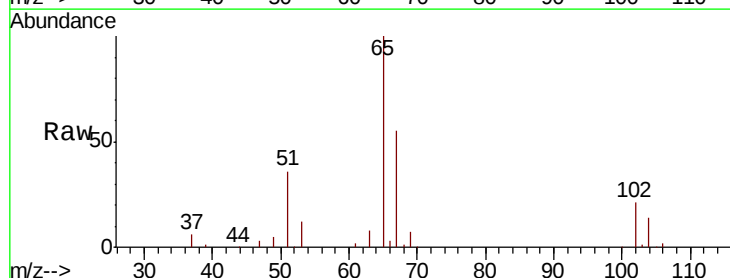
Acq: 21 Jan 2020 11:09

Tgt Ion: 65 Resp: 110982

Ion Ratio Lower Upper

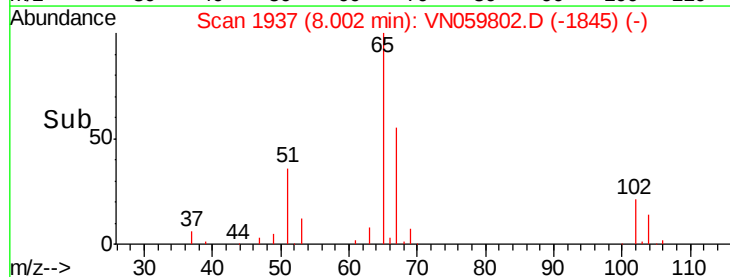
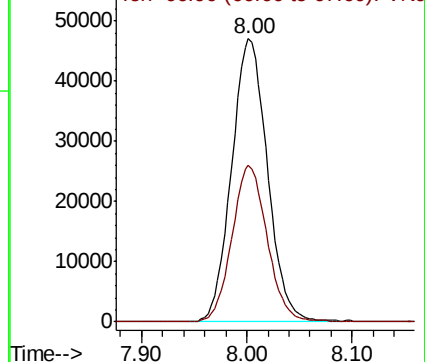
65 100

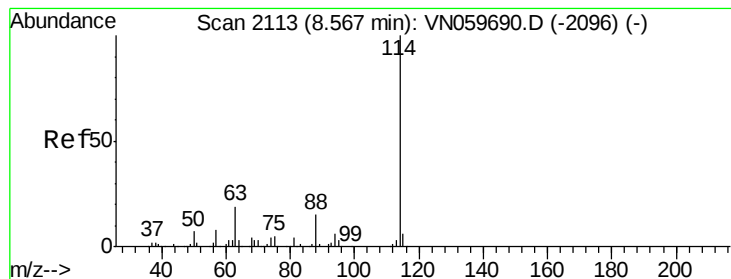
67 54.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059802.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059802.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

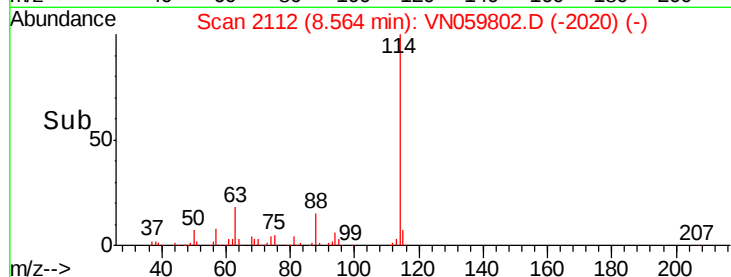
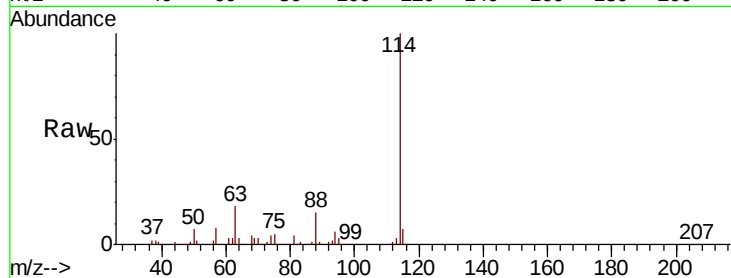
Tot Ion:114 Resp: 322125

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.6

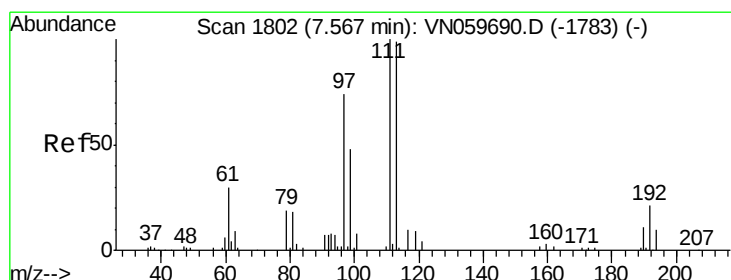
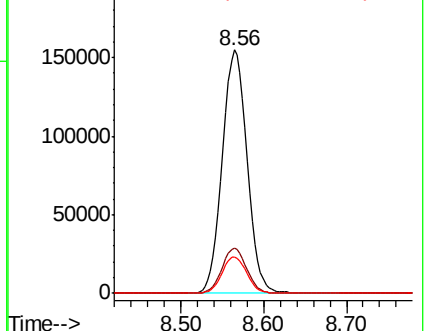
88 15.1 0.0 31.4



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: 50.708 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

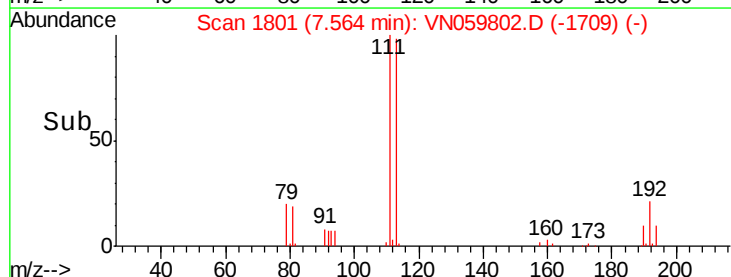
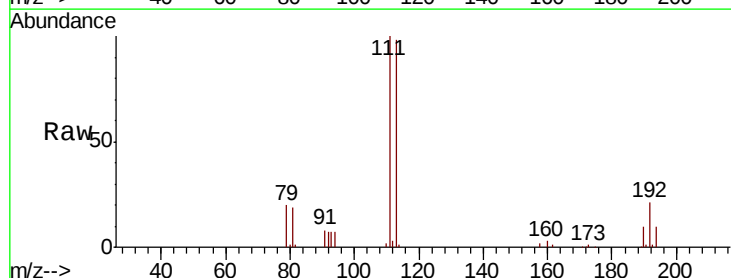
Tgt Ion:113 Resp: 97409

Ion Ratio Lower Upper

113 100

111 103.9 83.5 125.3

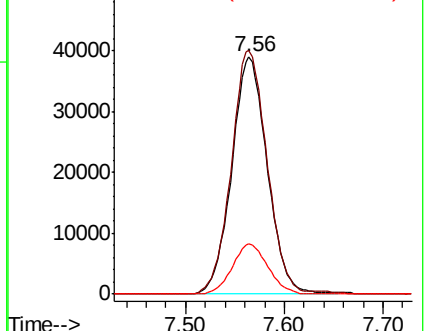
192 21.1 15.4 23.2

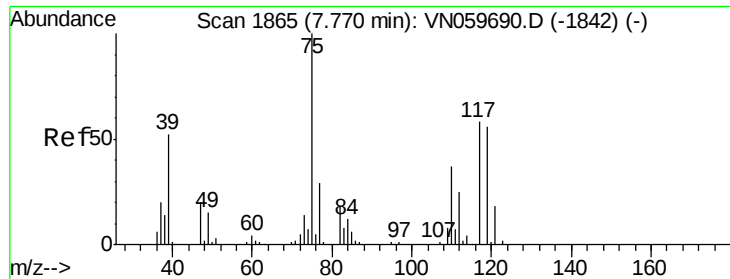


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

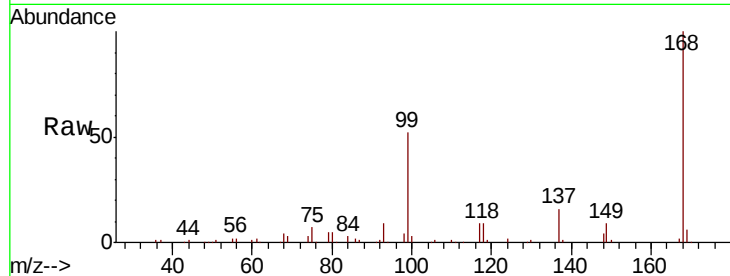




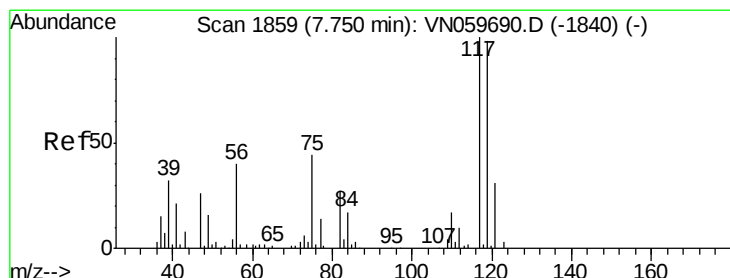
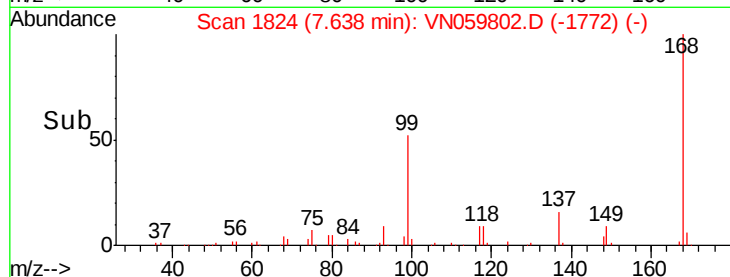
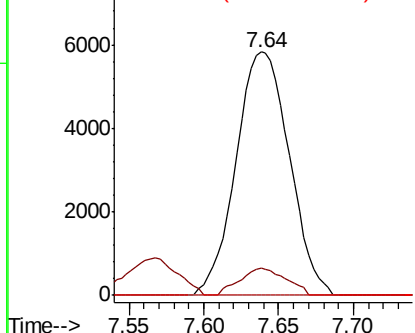
#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	14453
Ion Ratio	Lower	Upper	
75	100		
110	9.8	16.6	49.7#
77	0.0	25.1	37.7#

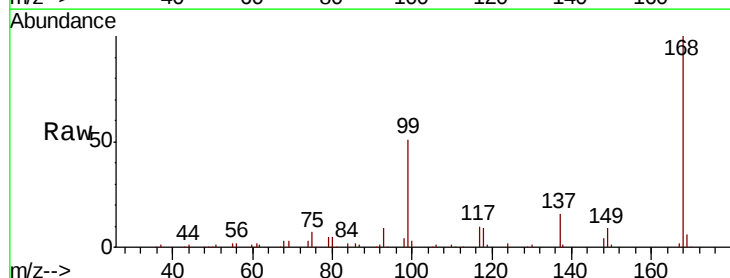


Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-1842) (-)
 Ion 109.90 (109.60 to 110.60): VN059690.D (-1842) (-)
 Ion 76.90 (76.60 to 77.60): VN059690.D (-1842) (-)

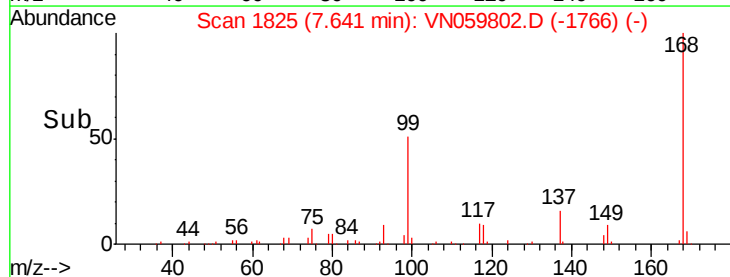
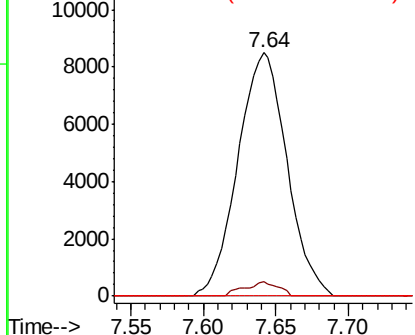


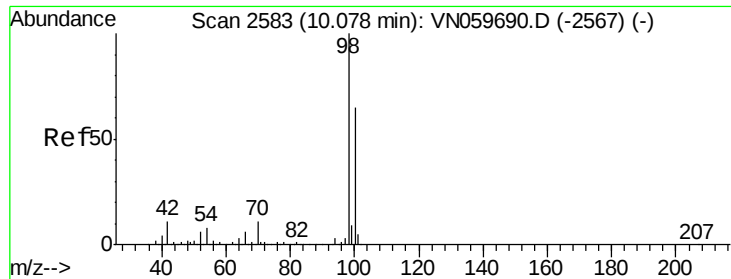
#38
 Carbon Tetrachloride
 Concen: 6.551 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Tgt Ion	117	Resp	19989
Ion Ratio	Lower	Upper	
117	100		
119	5.8	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-1840) (-)
 Ion 118.80 (118.50 to 119.50): VN059690.D (-1840) (-)
 Ion 120.80 (120.50 to 121.50): VN059690.D (-1840) (-)





#50

Toluene-d8

Concen: 50.305 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

Instrument :

MSVOA_N

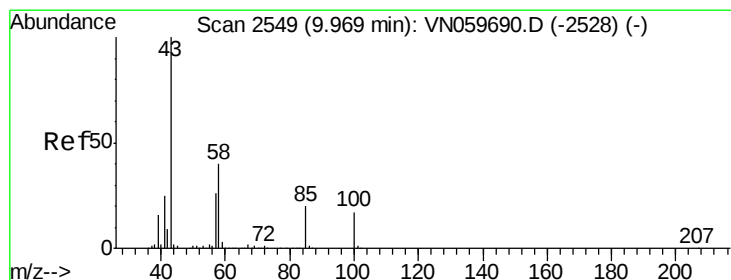
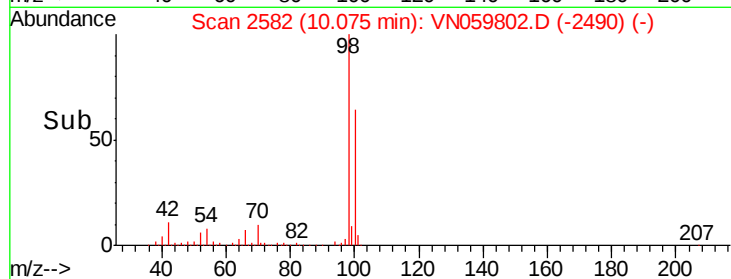
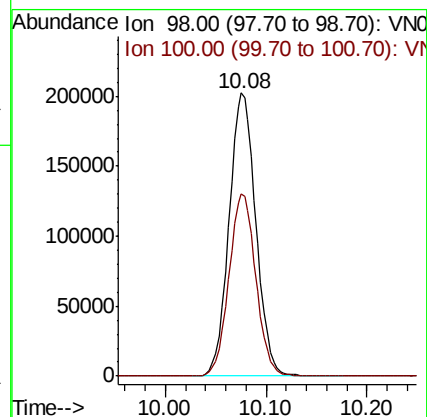
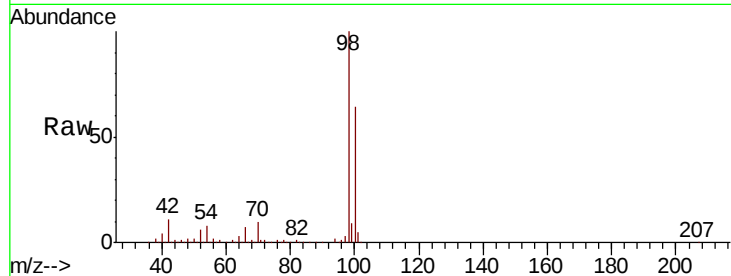
ClientSampled :

Tot Ion: 98 Resp: 374408

Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.315 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059802.D

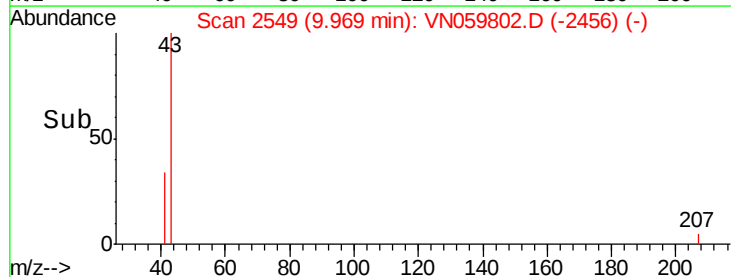
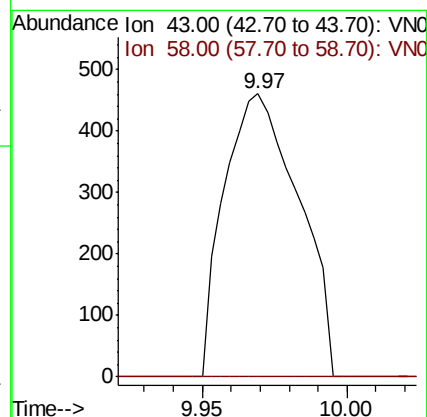
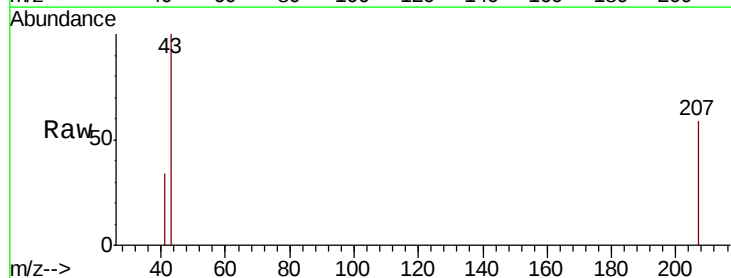
Acq: 21 Jan 2020 11:09

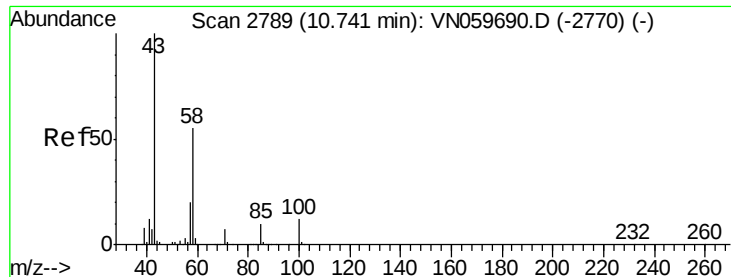
Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#

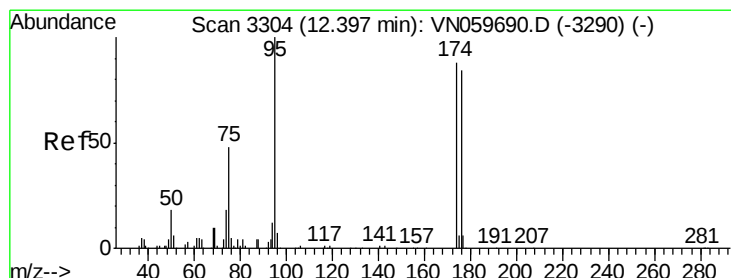
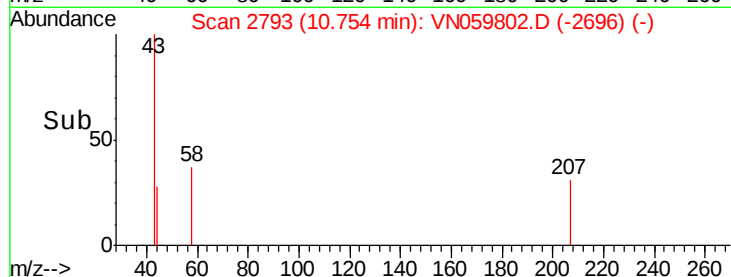
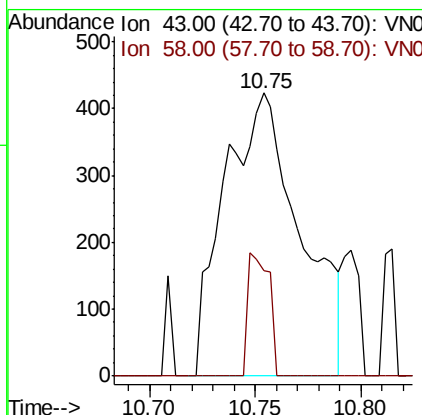
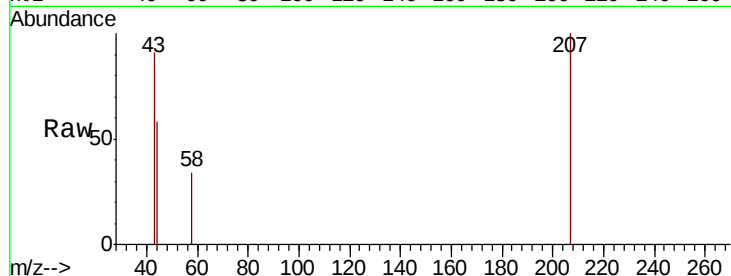




#59
2-Hexanone
Concen: 0.552 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

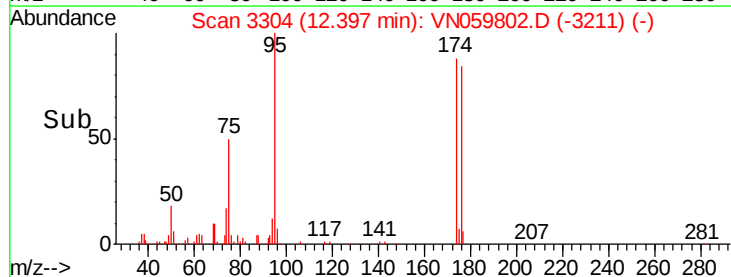
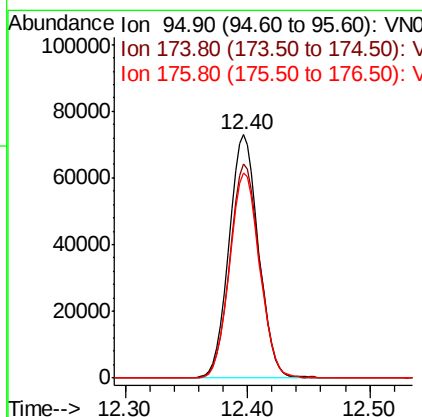
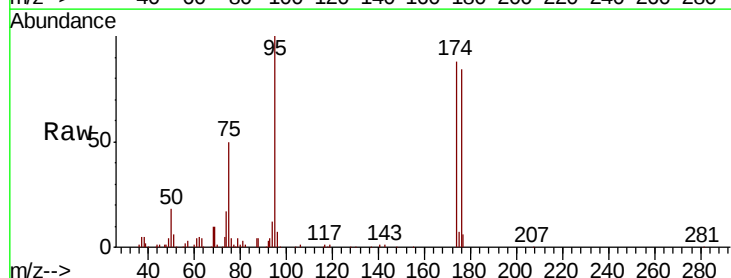
Instrument :
MSVOA_N
ClientSampled :

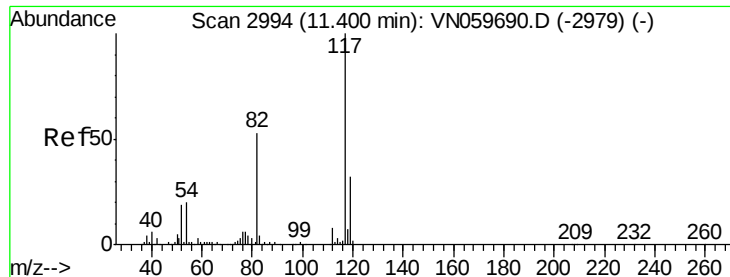
Tot Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 12.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 45.881 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

Tgt Ion: 95 Resp: 123104
Ion Ratio Lower Upper
95 100
174 89.0 0.0 151.4
176 85.4 0.0 146.0

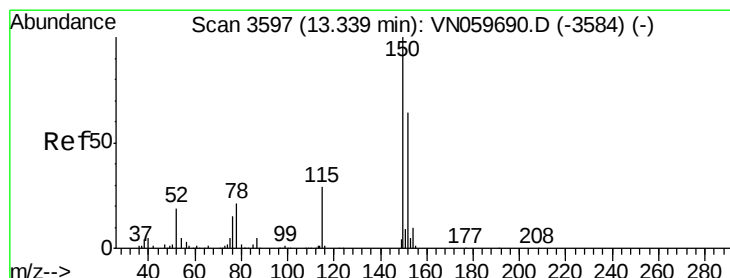
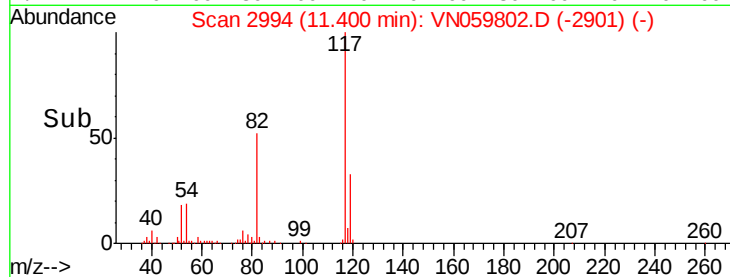
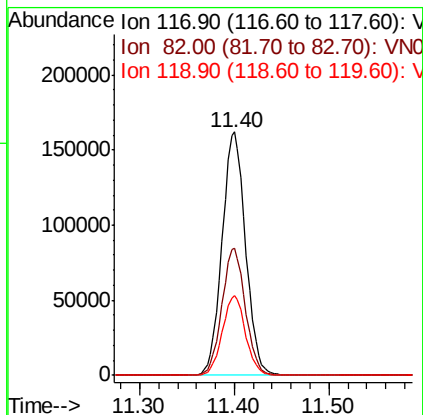
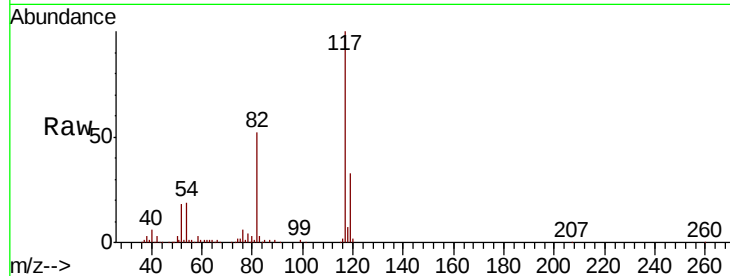




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

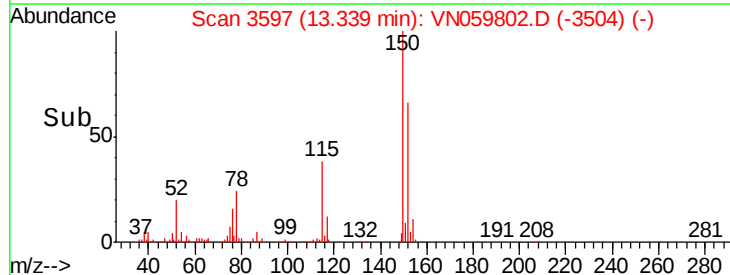
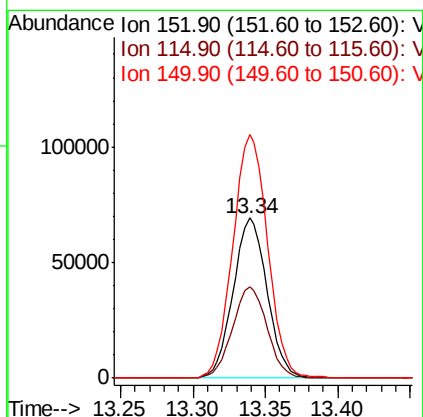
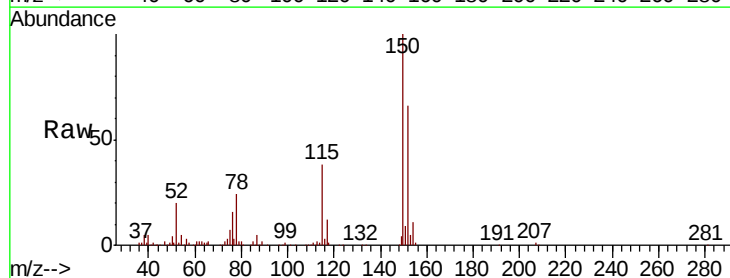
Instrument :
MSVOA_N
ClientSampled :

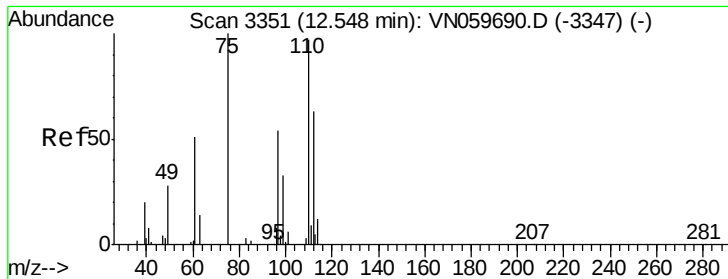
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.9	68.9
119	33.0	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059802.D
Acq: 21 Jan 2020 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.3	90.9
150	155.9	0.0	345.2

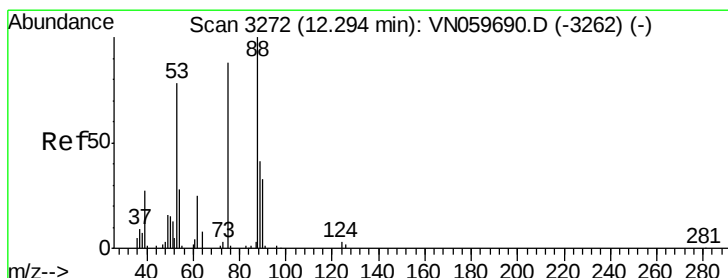
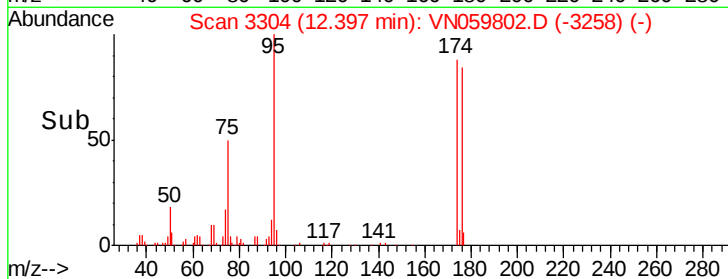
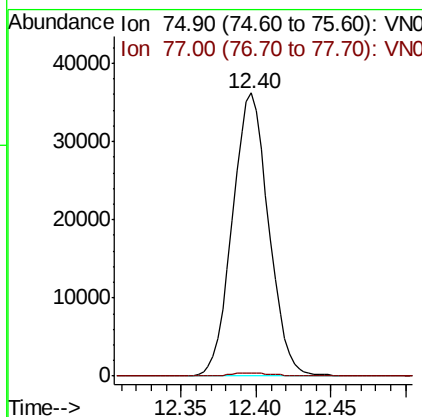
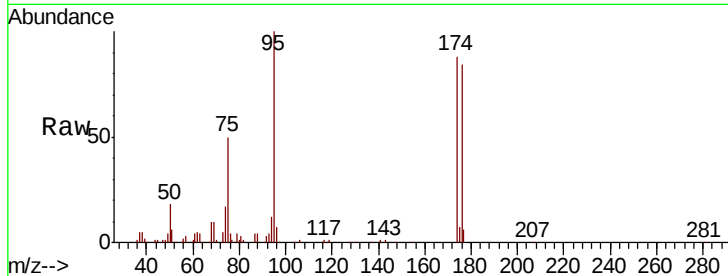




#76
 1,2,3-Trichloropropane
 Concen: 32.107 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

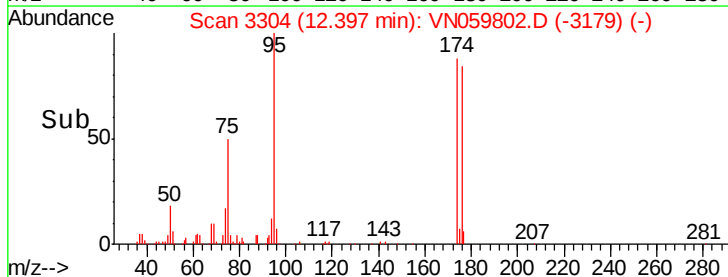
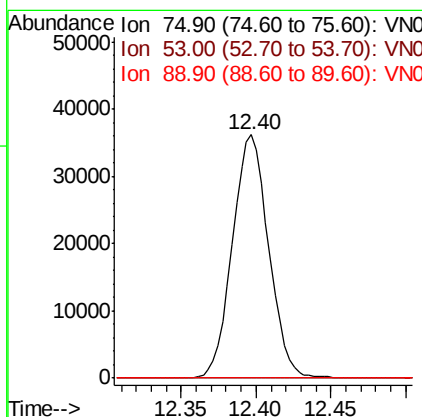
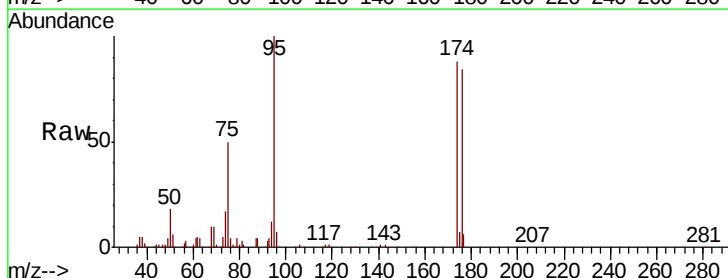
Instrument :
 MSVOA_N
 ClientSampleId :

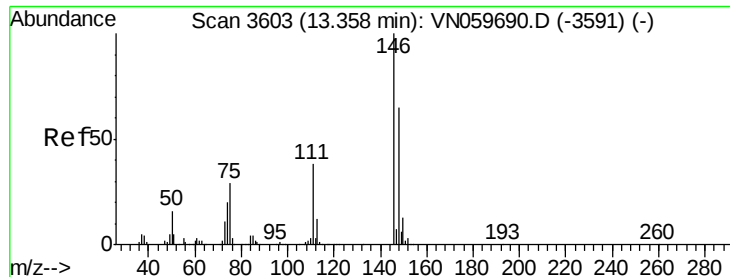
Tot Ion: 75 Resp: 60928
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.949 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Tgt Ion: 75 Resp: 60928
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#

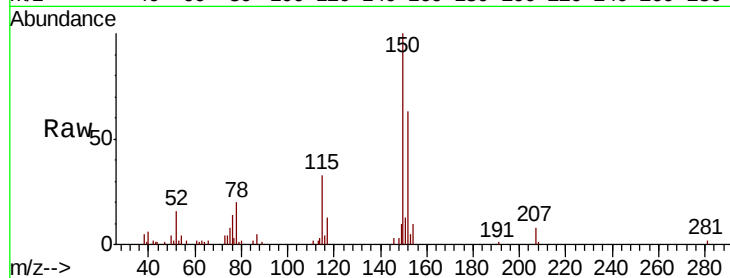




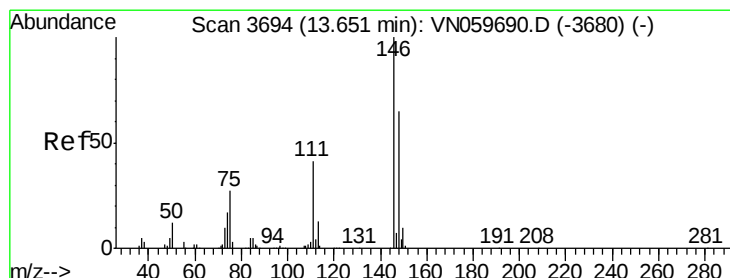
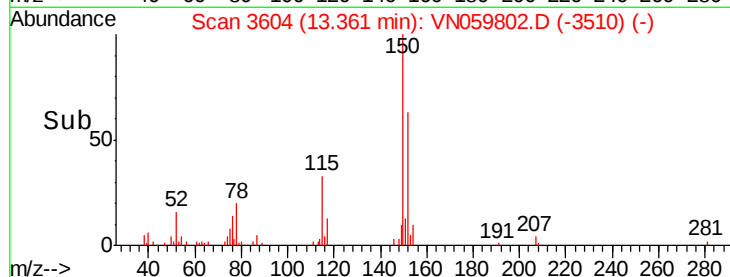
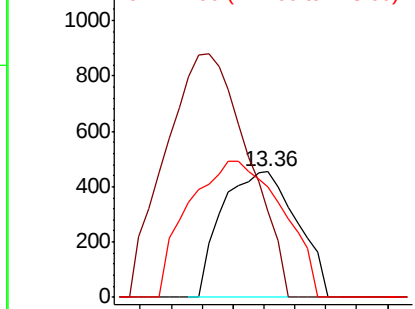
#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 766
 Ion Ratio Lower Upper
 146 100
 111 212.9 20.8 62.2#
 148 135.8 31.8 95.4#

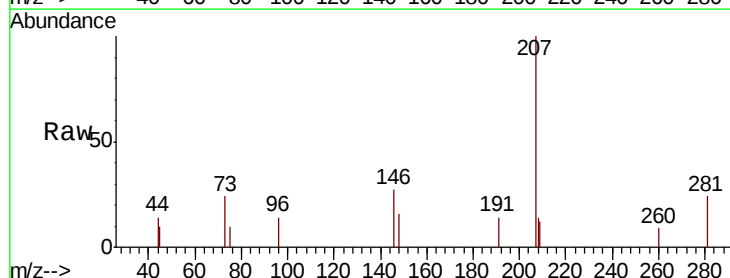


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

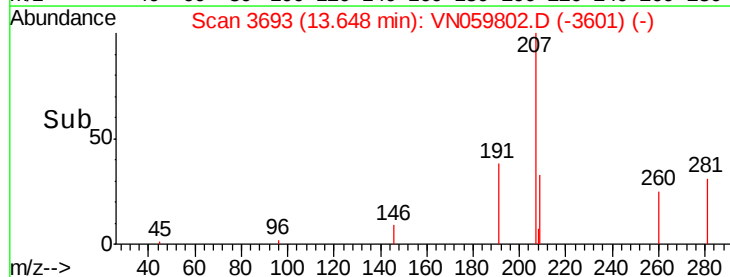
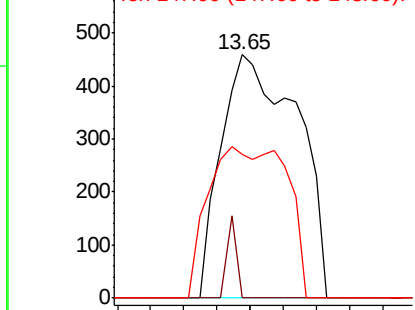


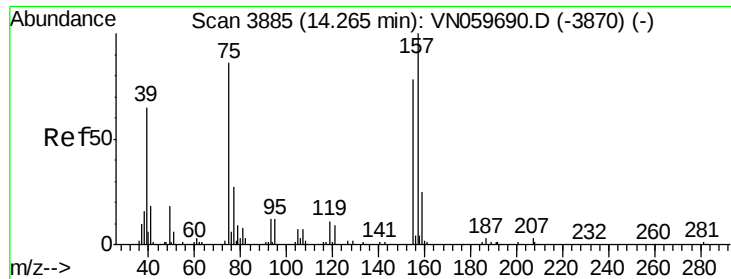
#91
 1,2-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Tgt Ion:146 Resp: 735
 Ion Ratio Lower Upper
 146 100
 111 4.1 21.6 64.8#
 148 37.8 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

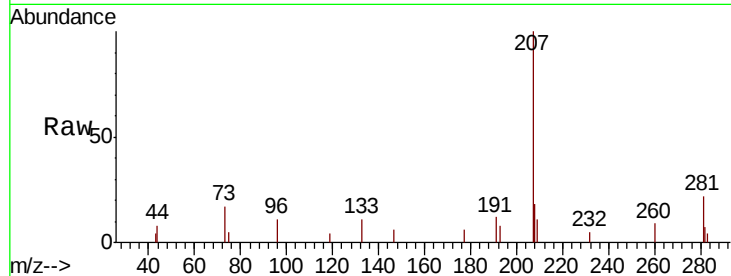




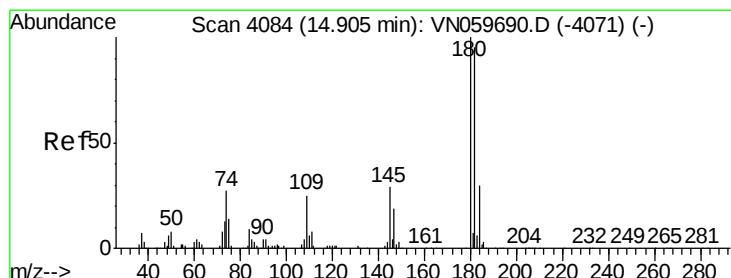
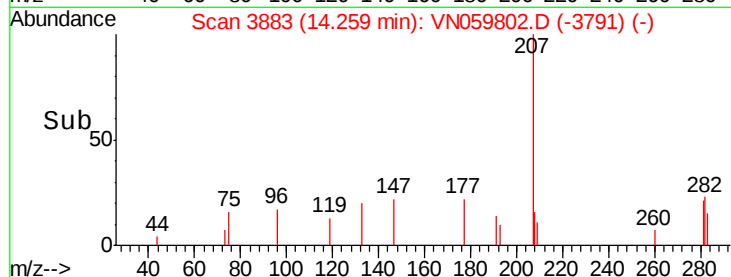
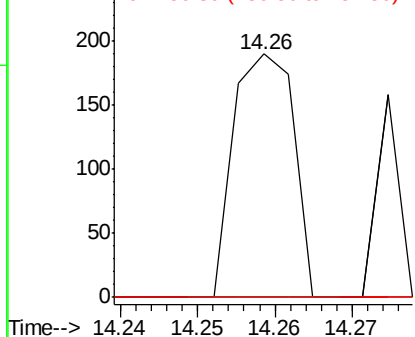
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 102
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

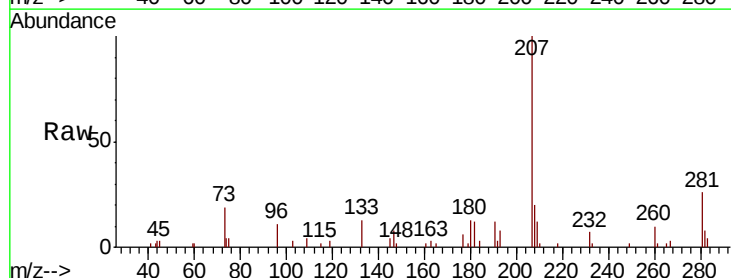


Abundance Ion 74.90 (74.60 to 75.60): VN059802.D (-3791) (-)
 Ion 154.80 (154.50 to 155.50): VN059802.D (-3791) (-)
 Ion 156.80 (156.50 to 157.50): VN059802.D (-3791) (-)

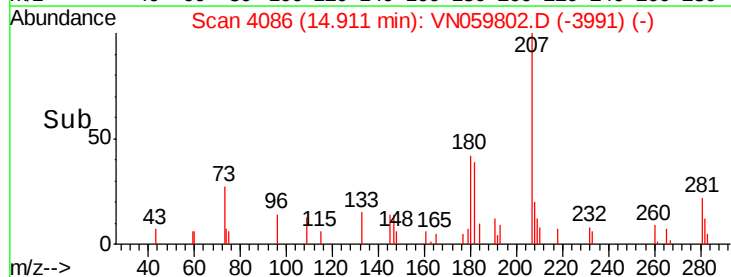
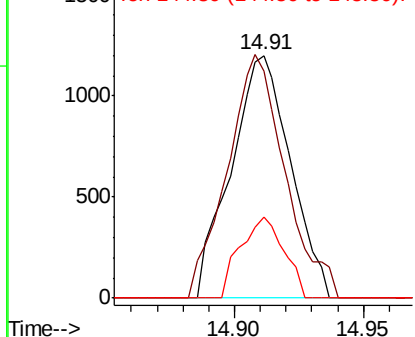


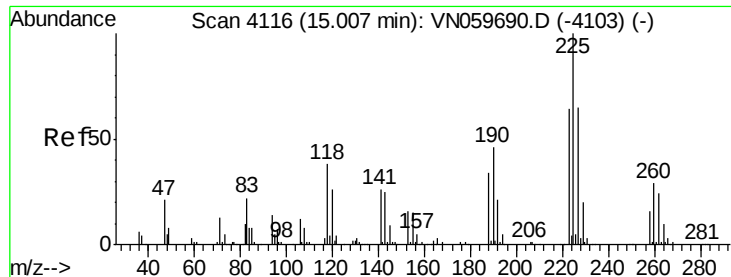
#93
 1,2,4-Trichlorobenzene
 Concen: 0.891 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Tgt Ion: 180 Resp: 1926
 Ion Ratio Lower Upper
 180 100
 182 97.7 46.9 140.7
 145 24.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): VN059802.D (-3991) (-)
 Ion 181.80 (181.50 to 182.50): VN059802.D (-3991) (-)
 Ion 144.80 (144.50 to 145.50): VN059802.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: 0.448 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

Instrument :

MSVOA_N

ClientSampleId :

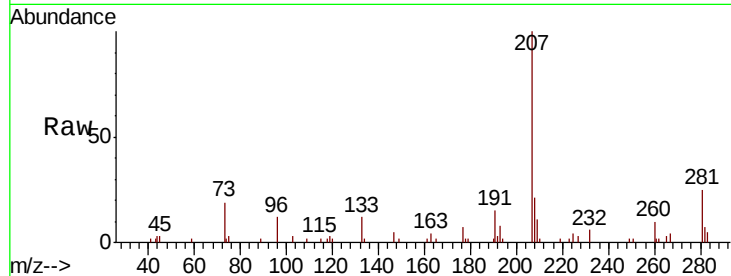
Tot Ion:225 Resp: 533

Ion Ratio Lower Upper

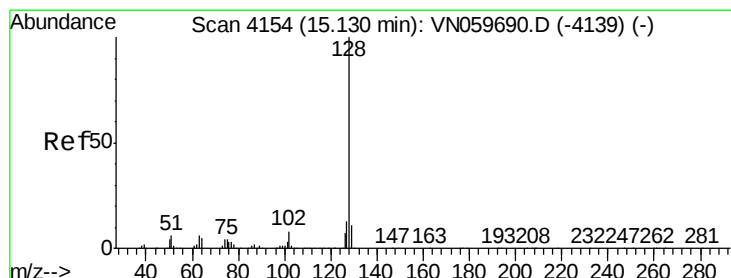
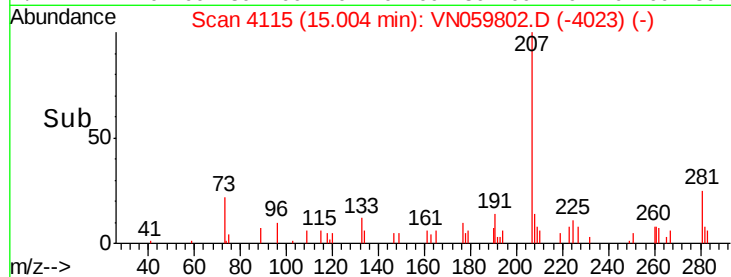
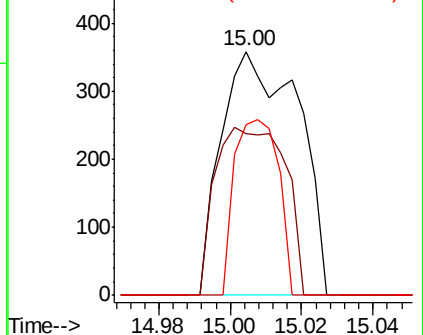
225 100

223 62.3 31.8 95.3

227 41.3 32.1 96.5



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: 1.288 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059802.D

Acq: 21 Jan 2020 11:09

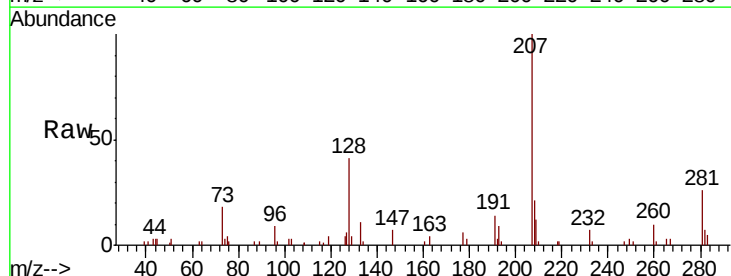
Tgt Ion:128 Resp: 7917

Ion Ratio Lower Upper

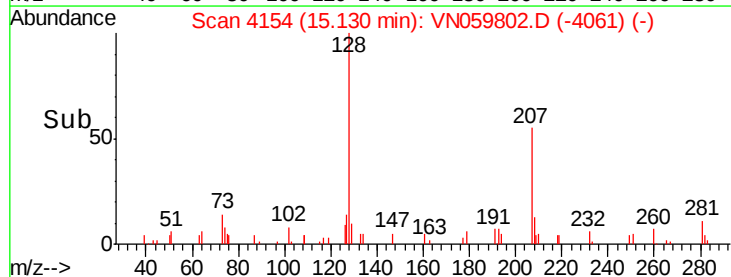
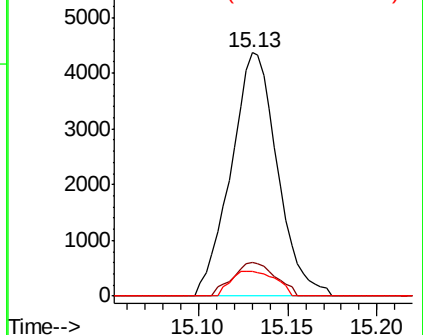
128 100

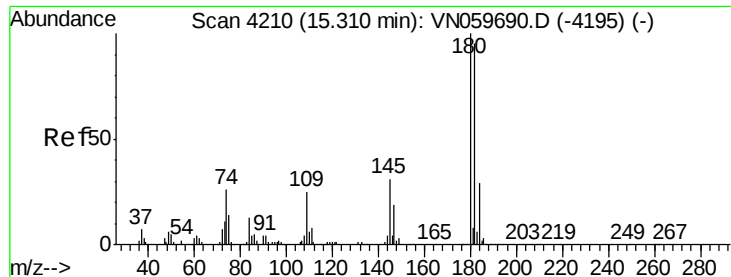
127 12.8 10.4 15.6

129 9.8 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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.455 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059802.D
 Acq: 21 Jan 2020 11:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	28.2	16.3	48.9

