

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060624.D
 Acq On : 19 Mar 2020 10:03
 Operator : JC/MD
 Sample : VN0319MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101365	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	119720	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	7.56	113	92252	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.08	98	376668	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	125810	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	

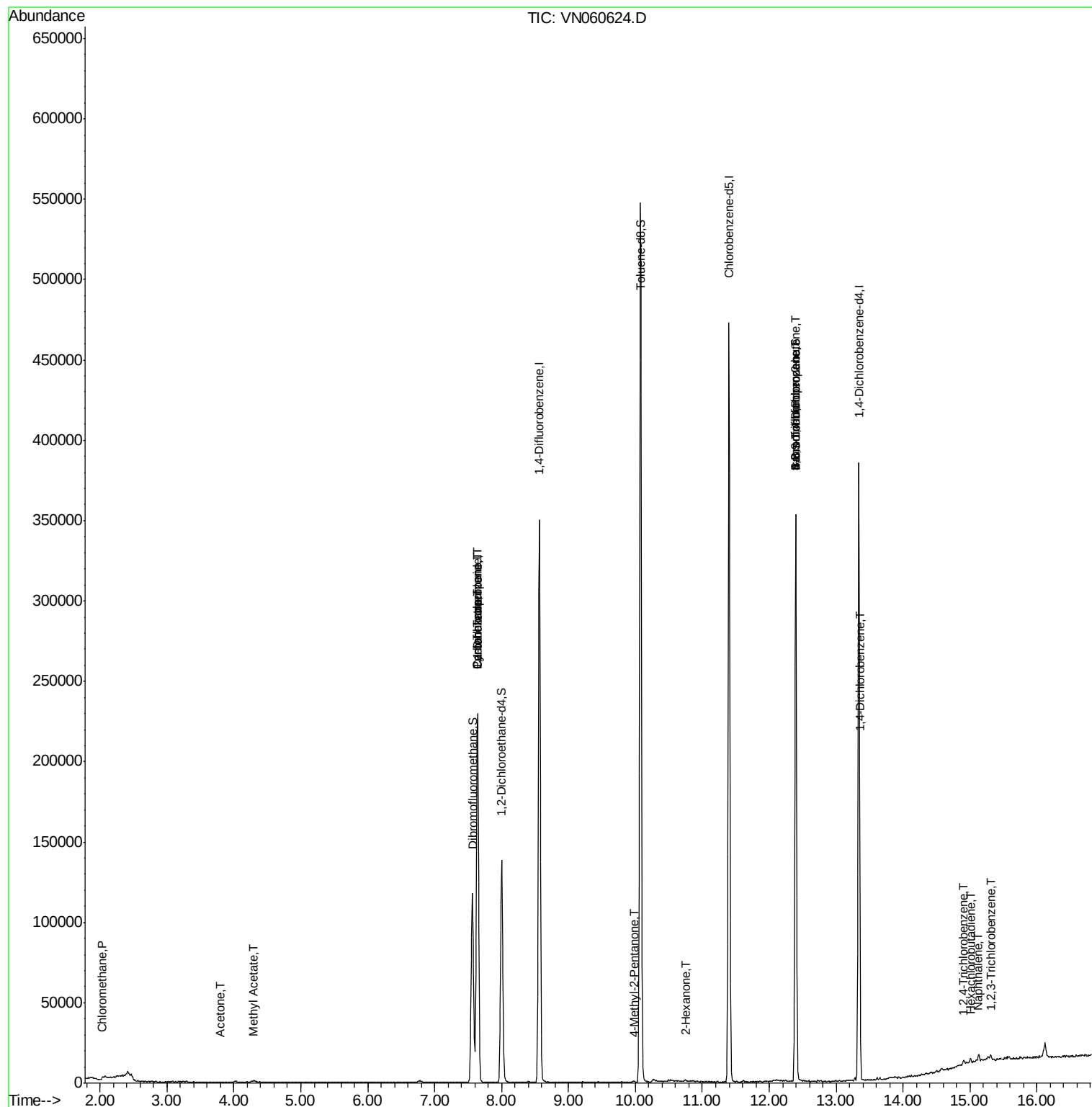
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1065	0.314	ug/l	97
16) Acetone	3.79	43	210	0.230	ug/l #	43
18) Methyl Acetate	4.30	43	1528	0.594	ug/l #	54
31) Cyclohexane	7.64	56	4026	0.969	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14459	4.843	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17695	6.613	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	687	0.227	ug/l #	37
59) 2-Hexanone	10.75	43	897	0.411	ug/l	68
71) Bromoform	12.39	173	416	1.928	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	62902	28.759	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62902	73.860	ug/l #	13
88) 1,4-Dichlorobenzene	13.36	146	681	0.210	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.90	180	849	0.447	ug/l	96
94) Hexachlorobutadiene	15.00	225	494	0.531	ug/l	88
95) Naphthalene	15.13	128	3999	0.700	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1305	0.698	ug/l	97

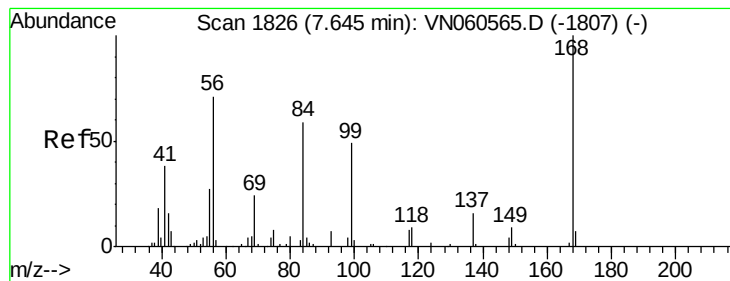
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 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: VN060624.D

Acq: 19 Mar 2020 10:03

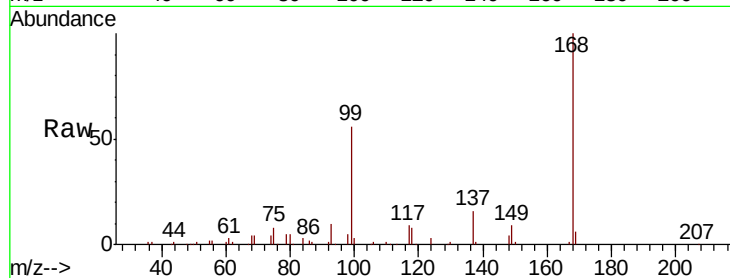
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 187876

Ion Ratio Lower Upper

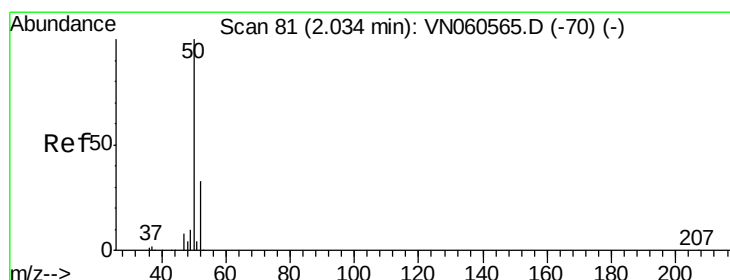
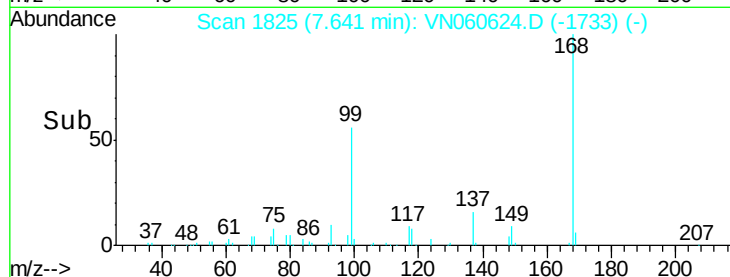
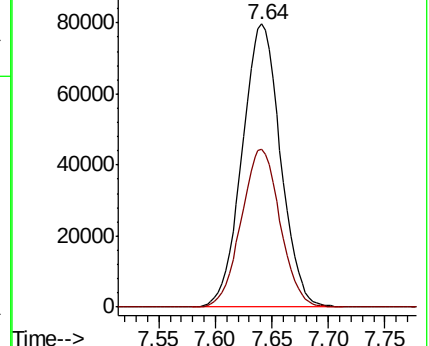
168 100

99 55.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.314 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060624.D

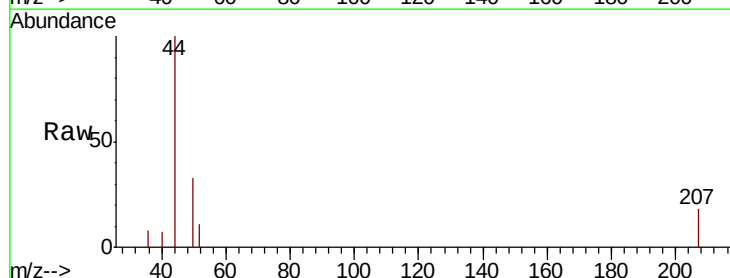
Acq: 19 Mar 2020 10:03

Tgt Ion: 50 Resp: 1065

Ion Ratio Lower Upper

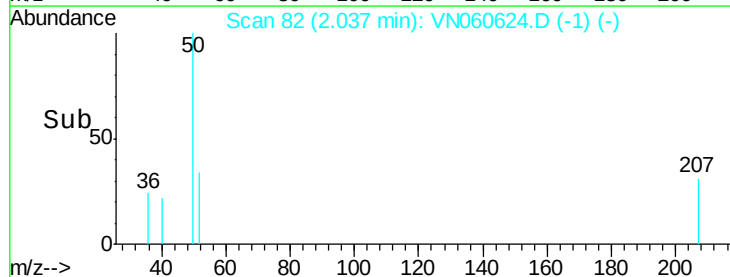
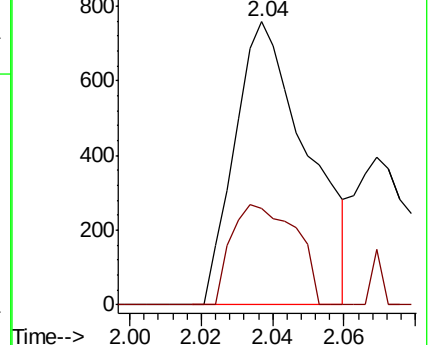
50 100

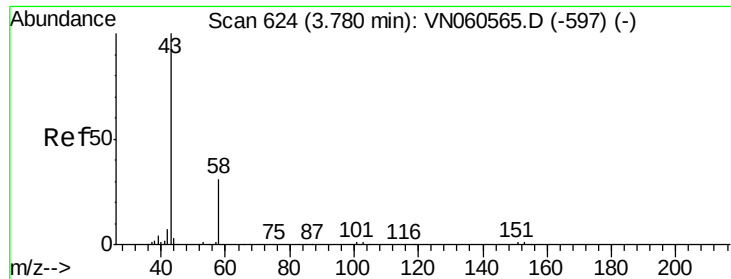
52 34.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

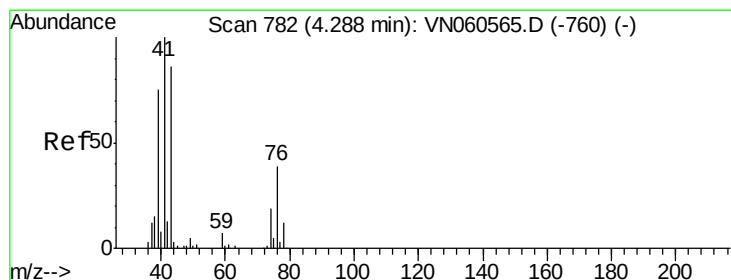
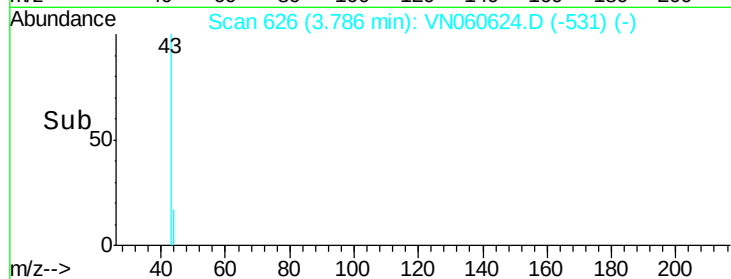
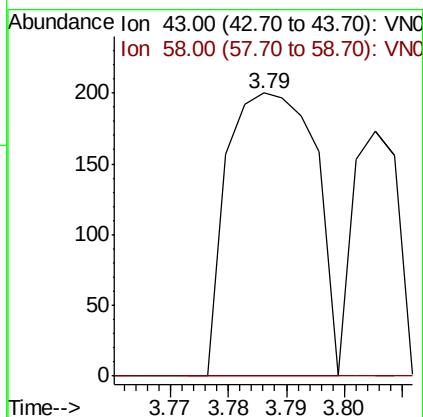
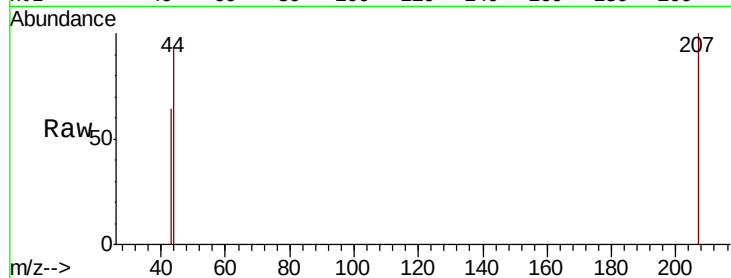




#16
Acetone
Concen: 0.230 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

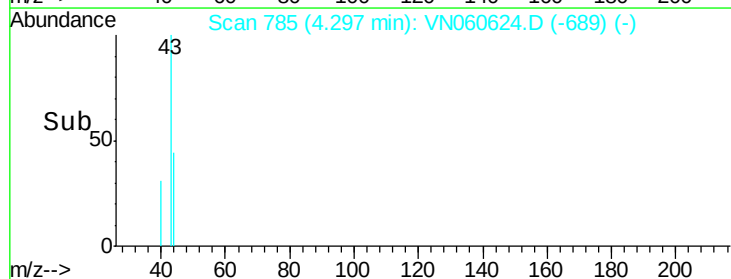
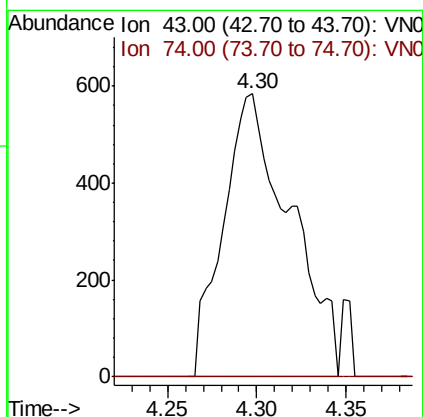
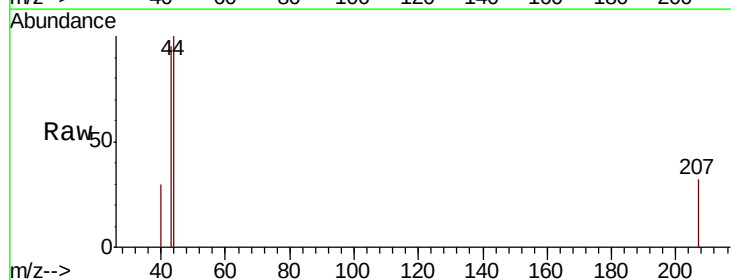
Instrument :
MSVOA_N
ClientSampled :

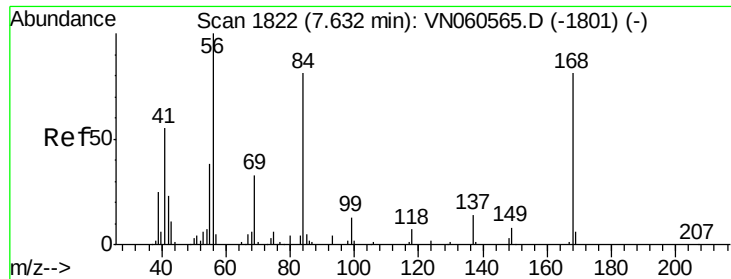
Tot Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

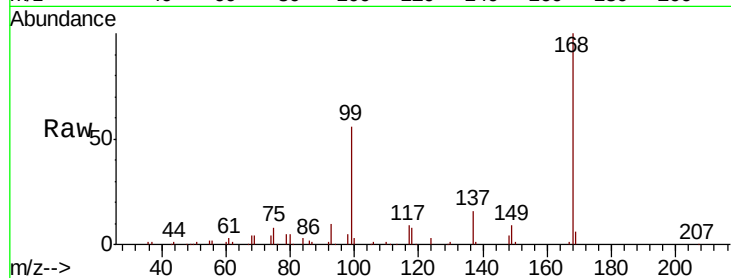




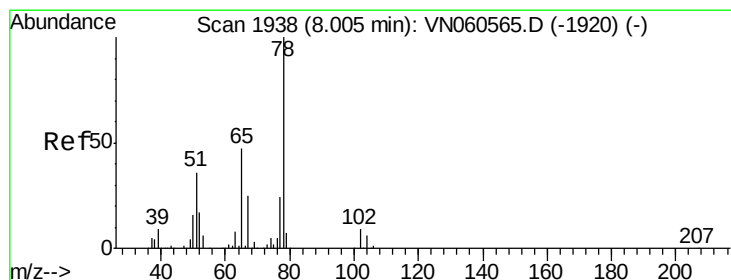
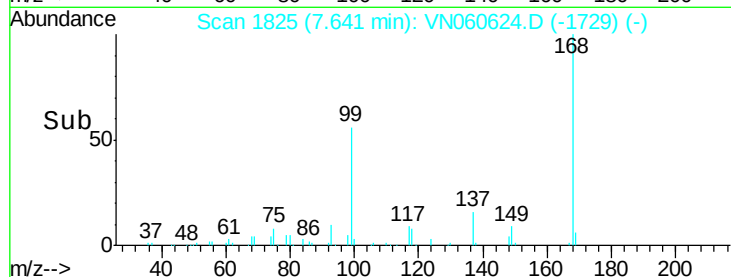
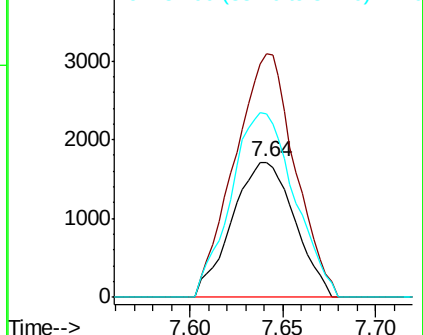
#31
Cyclohexane
Concen: 0.969 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4026
Ion Ratio Lower Upper
56 100
69 179.9 26.6 40.0#
84 135.4 64.3 96.5#

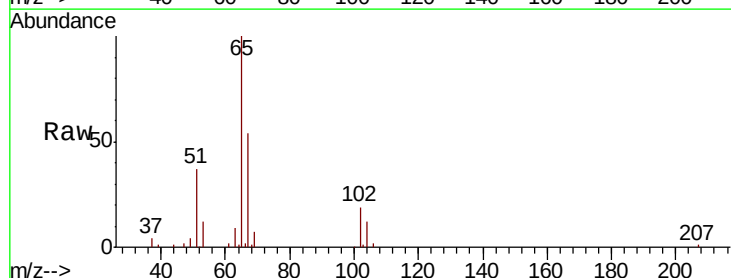


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

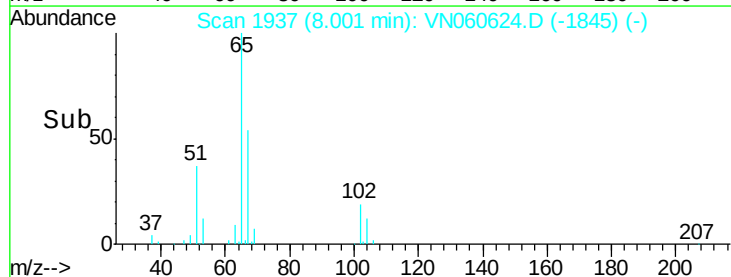
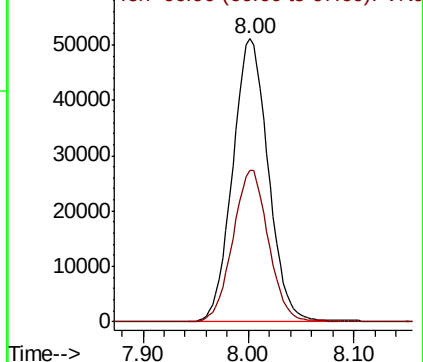


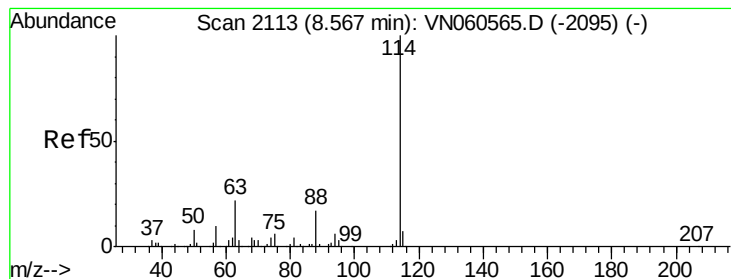
#33
1,2-Dichloroethane-d4
Concen: 46.419 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion: 65 Resp: 119720
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060624.D

Acq: 19 Mar 2020 10:03

Instrument :
MSVOA_N
ClientSampleId :

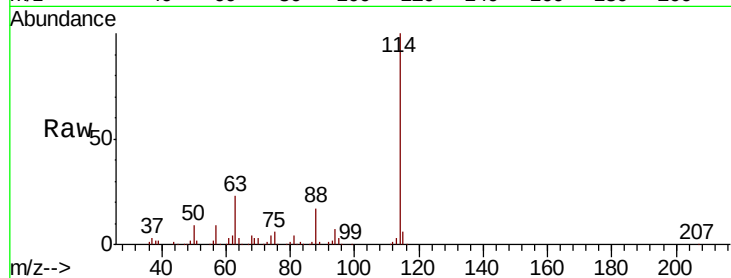
Tot Ion:114 Resp: 308316

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.8

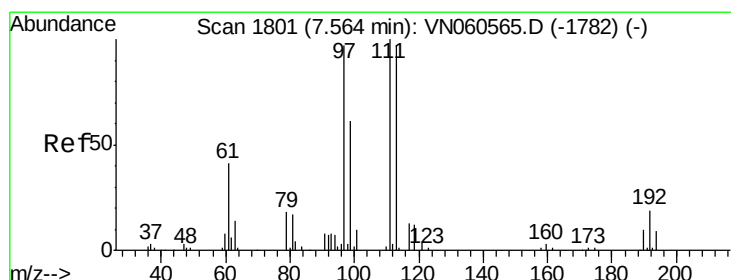
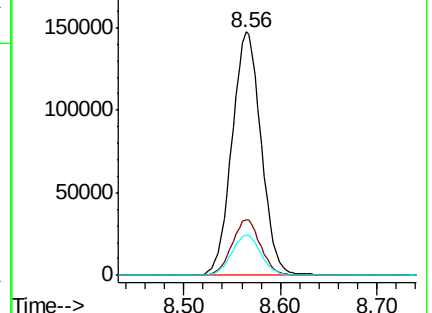
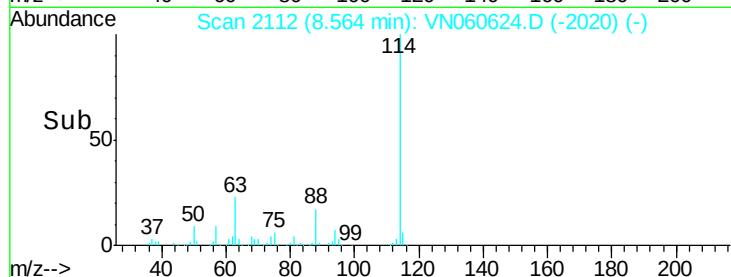
88 16.5 0.0 33.0



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: 49.484 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060624.D

Acq: 19 Mar 2020 10:03

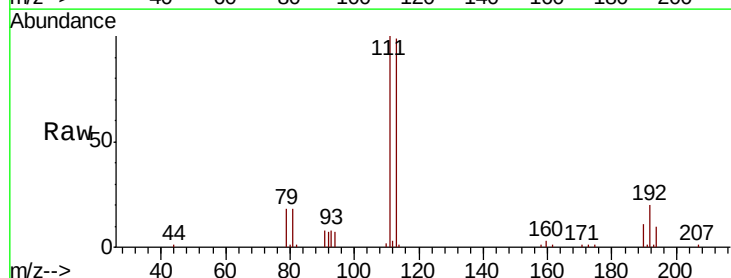
Tgt Ion:113 Resp: 92252

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

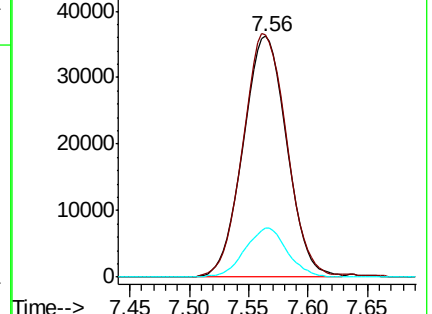
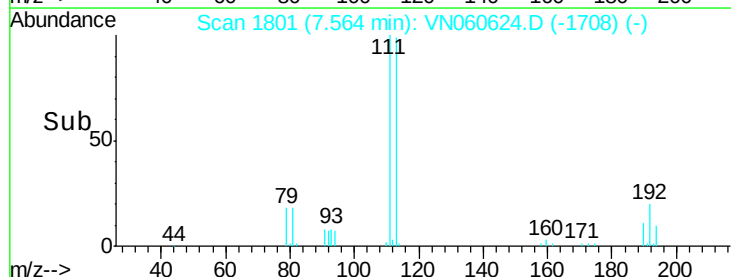
192 19.7 15.8 23.8

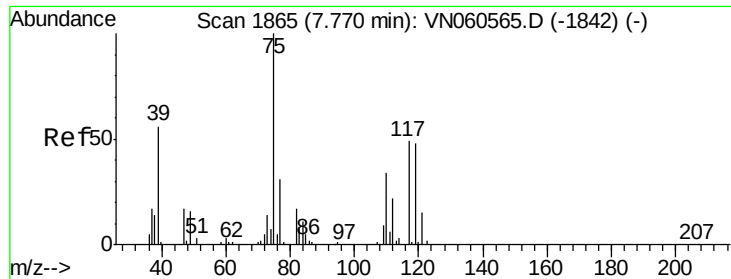


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

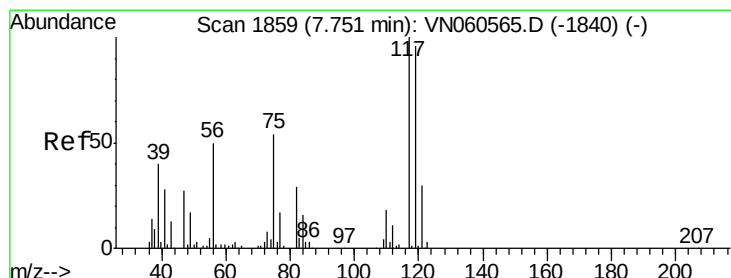
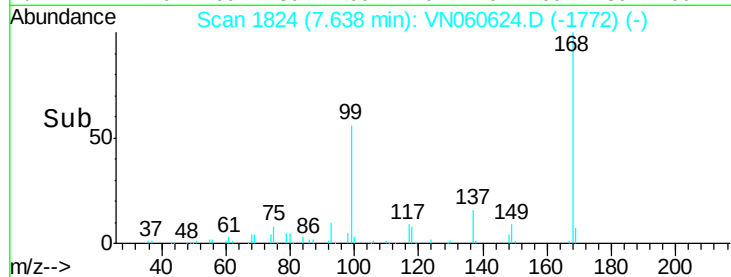
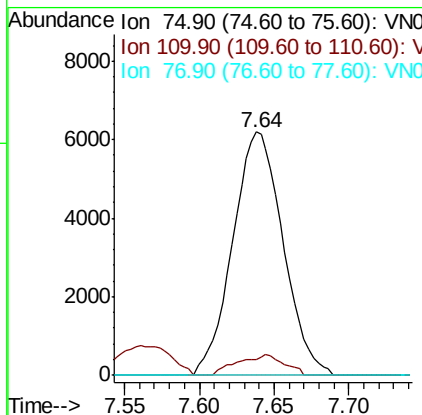
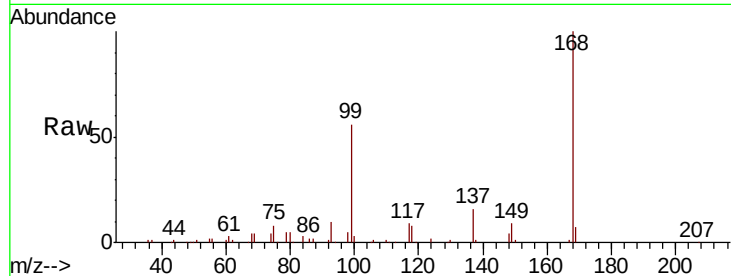




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060624.D
 Acq: 19 Mar 2020 10:03

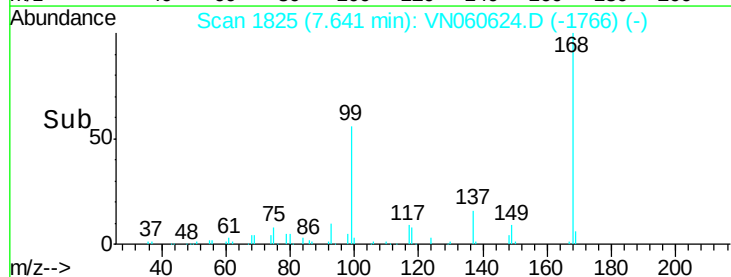
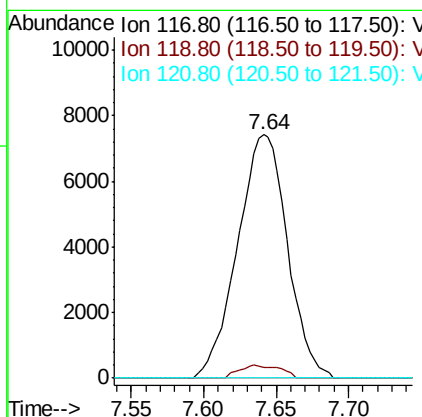
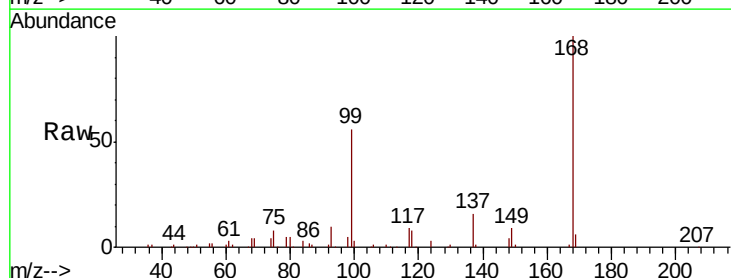
Instrument :
 MSVOA_N
 ClientSampled :

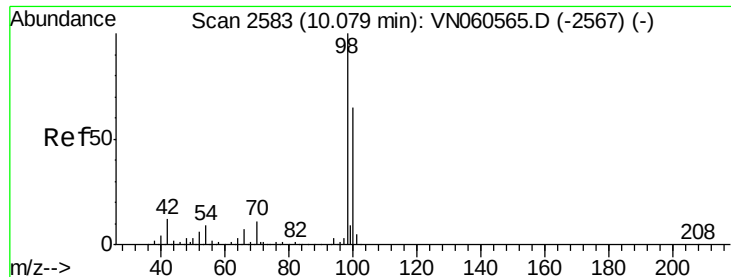
Tot Ion	75	Resp	14459
Ion Ratio	100	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.613 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060624.D
 Acq: 19 Mar 2020 10:03

Tgt Ion	117	Resp	17695
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.465 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060624.D

Acq: 19 Mar 2020 10:03

Instrument :

MSVOA_N

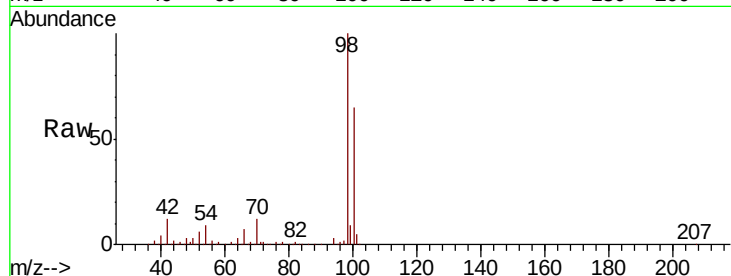
ClientSampleId :

Tot Ion: 98 Resp: 376668

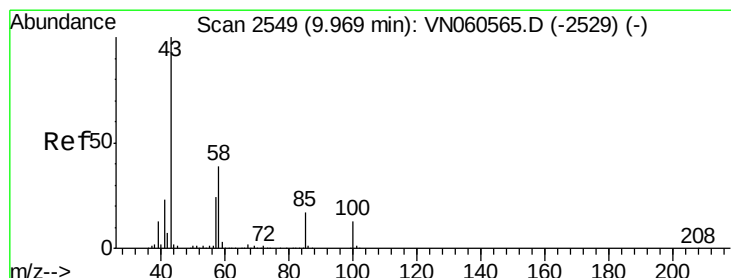
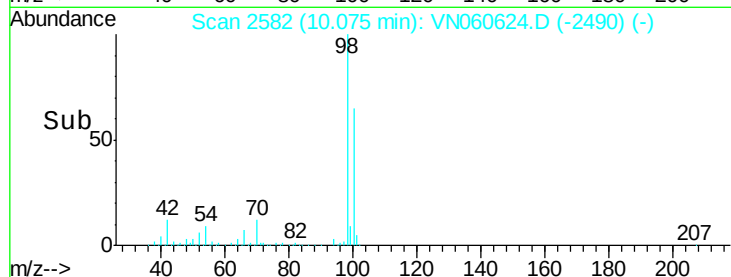
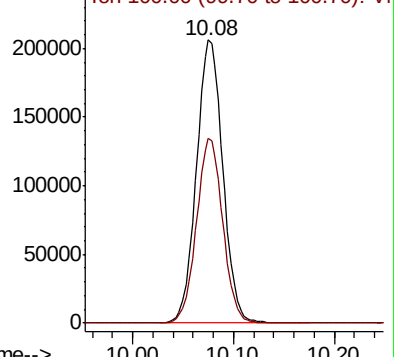
Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060565.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.227 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060624.D

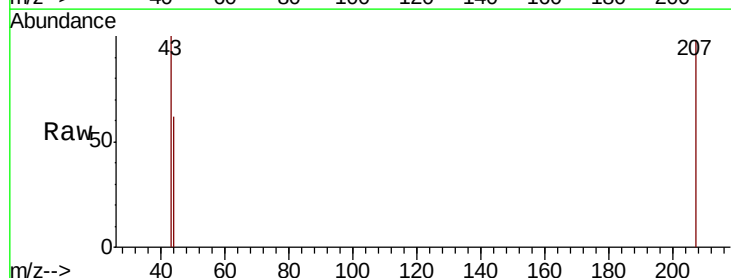
Acq: 19 Mar 2020 10:03

Tgt Ion: 43 Resp: 687

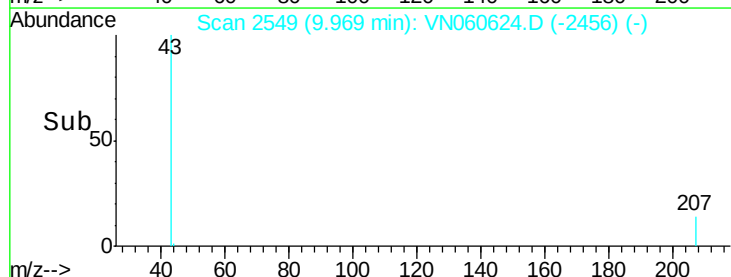
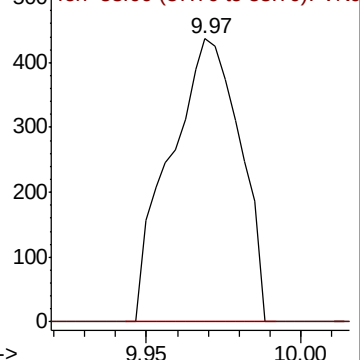
Ion Ratio Lower Upper

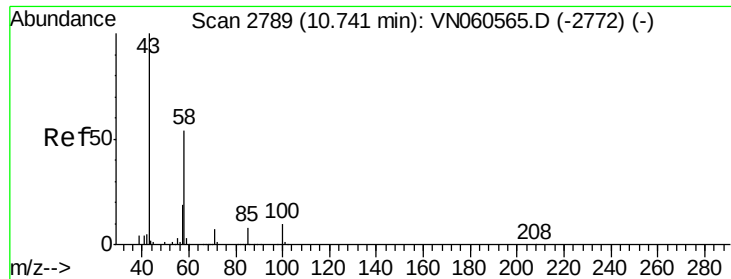
43 100

58 0.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

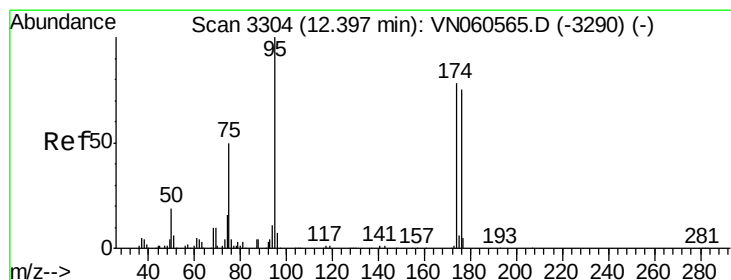
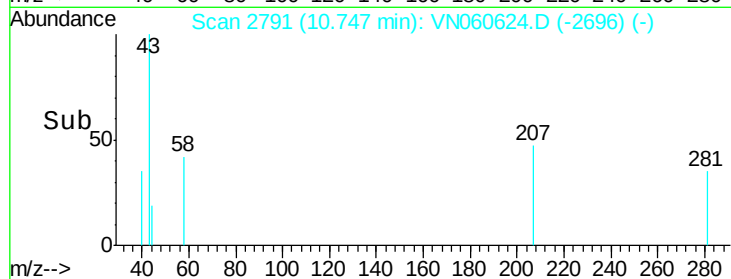
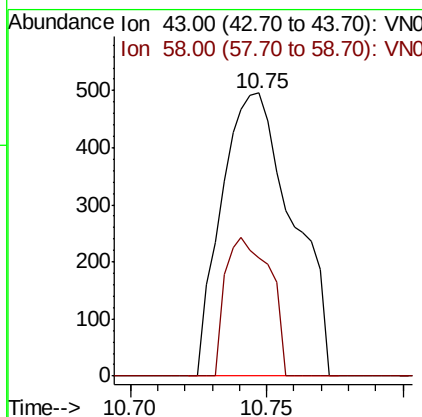
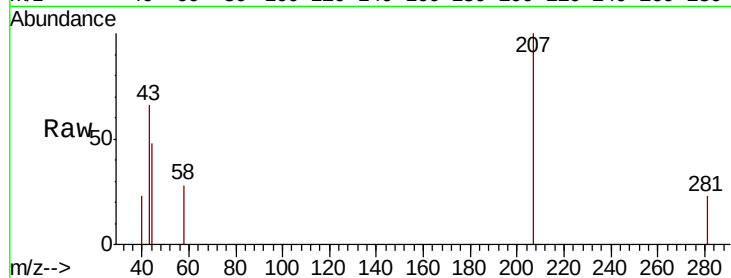




#59
2-Hexanone
Concen: 0.411 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.01 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

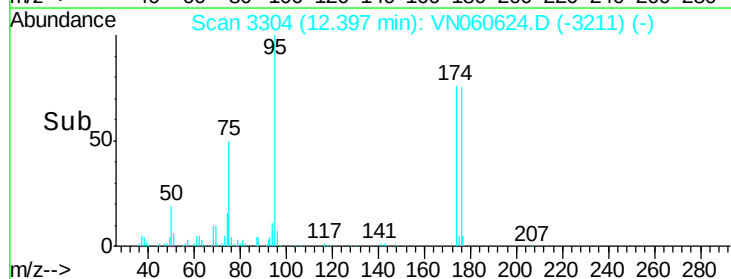
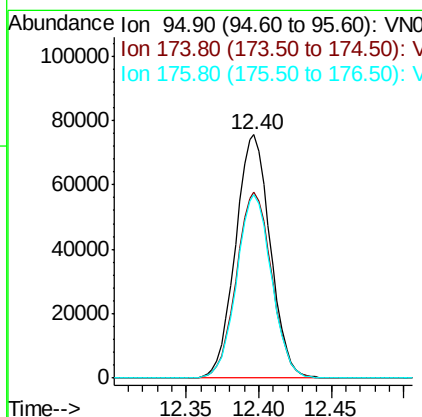
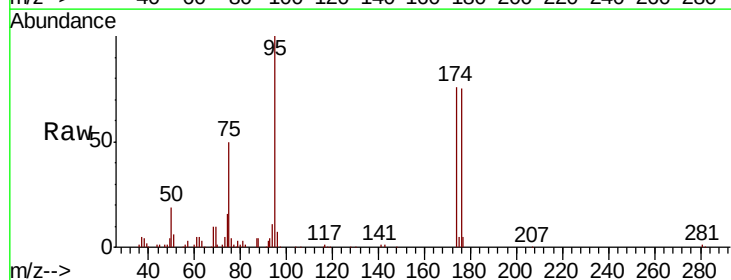
Instrument :
MSVOA_N
ClientSampled :

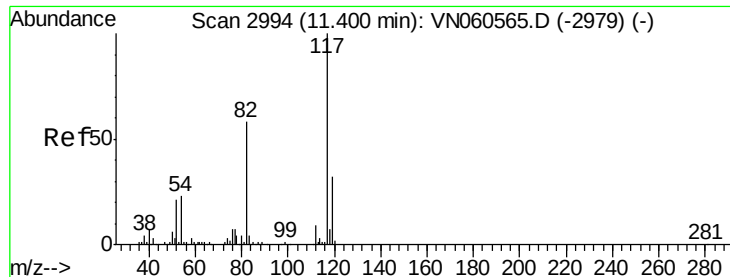
Tot Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 30.8 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 45.081 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion: 95 Resp: 125810
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.6
176 75.5 0.0 150.6

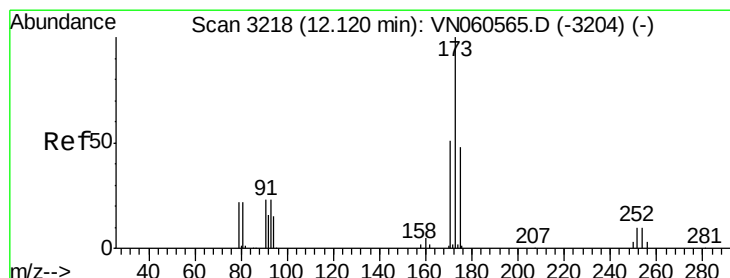
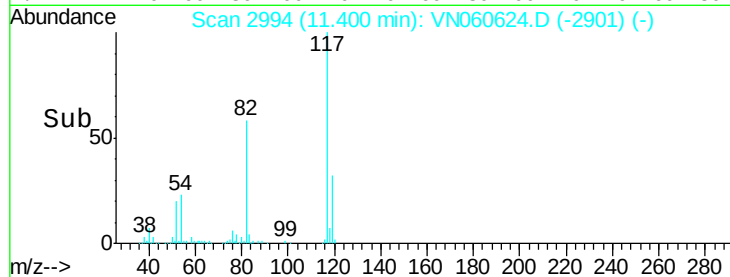
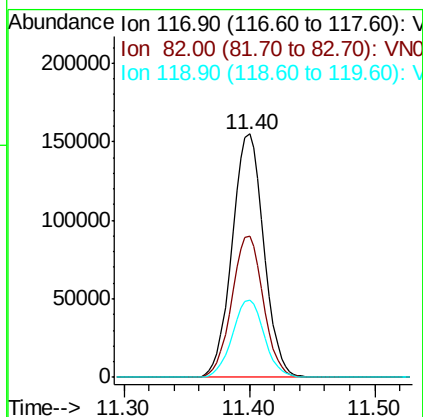
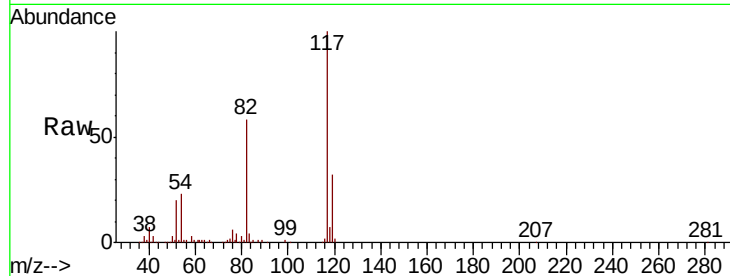




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

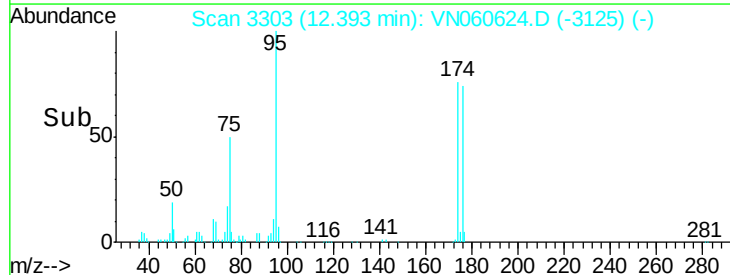
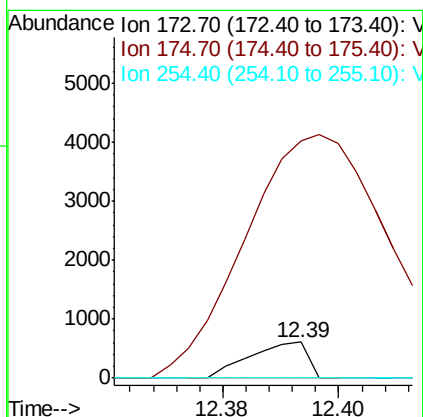
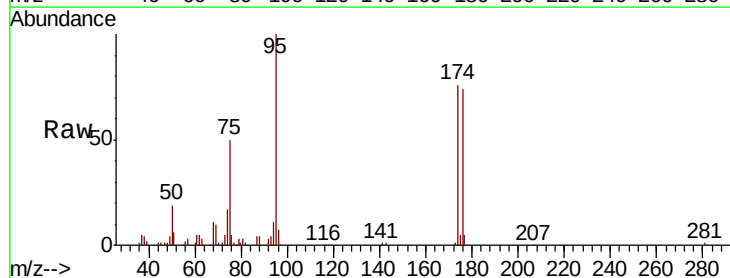
Instrument :
MSVOA_N
ClientSampled :

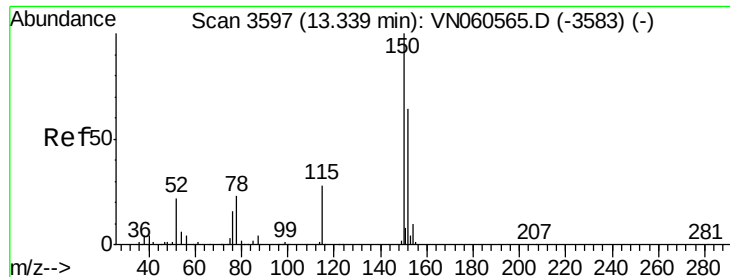
Tot Ion:117 Resp: 272416
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 31.8 25.5 38.3



#71
Bromoform
Concen: 1.928 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion:173 Resp: 416
Ion Ratio Lower Upper
173 100
175 1439.2 24.1 72.4#
254 0.0 0.0 0.0



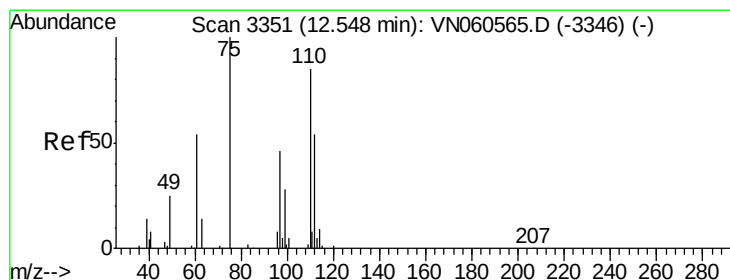
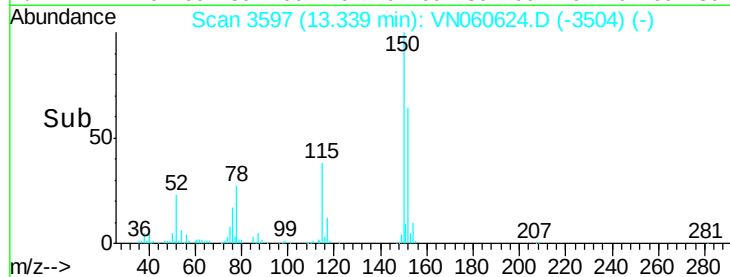
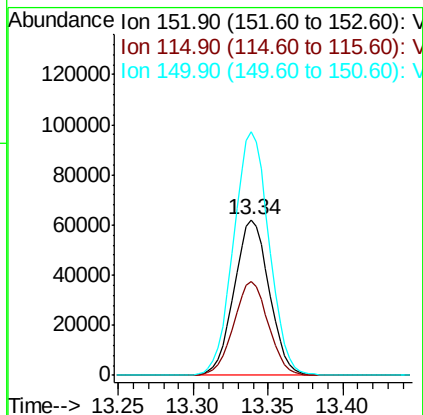
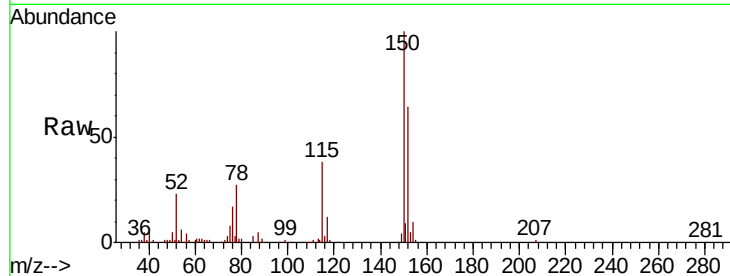


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Instrument :
MSVOA_N
ClientSampleId :

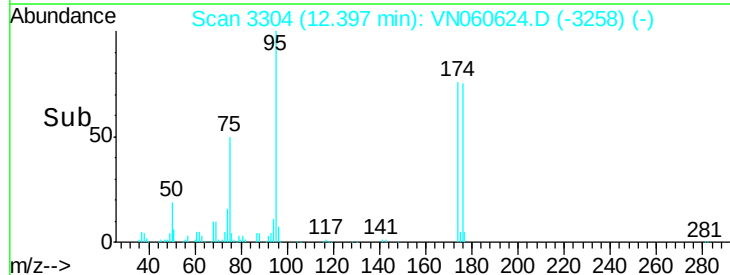
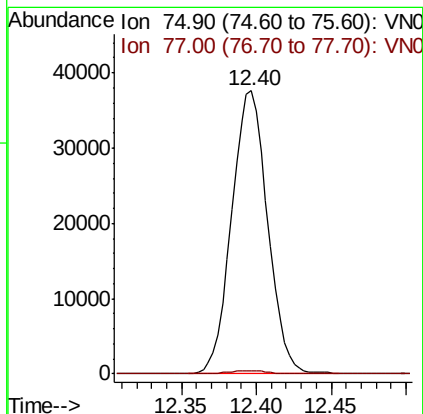
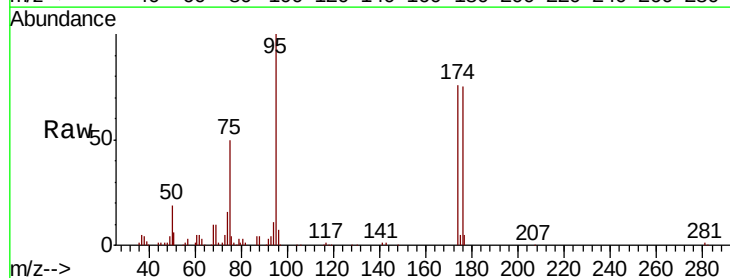
Tot Ion:152 Resp: 101365
Ion Ratio Lower Upper
152 100
115 59.6 30.2 90.6
150 158.7 0.0 350.2

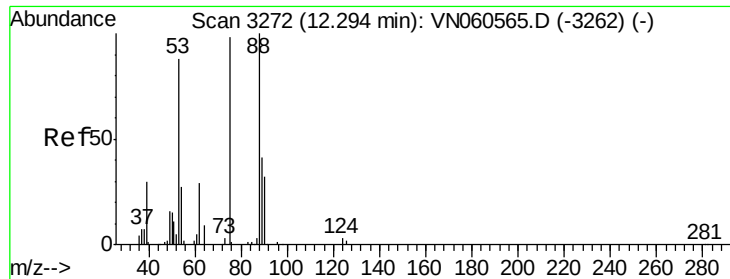


#76

1,2,3-Trichloropropane
Concen: 28.759 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion: 75 Resp: 62902
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

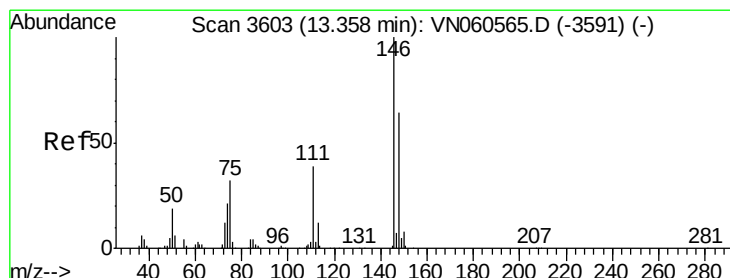
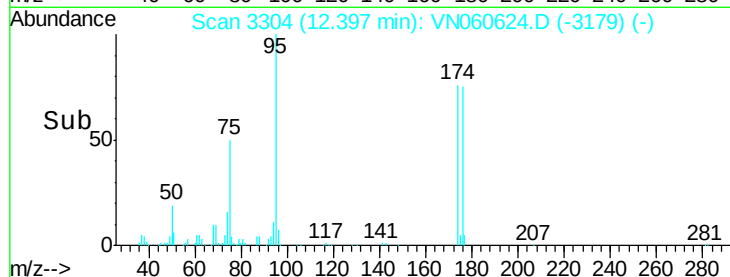
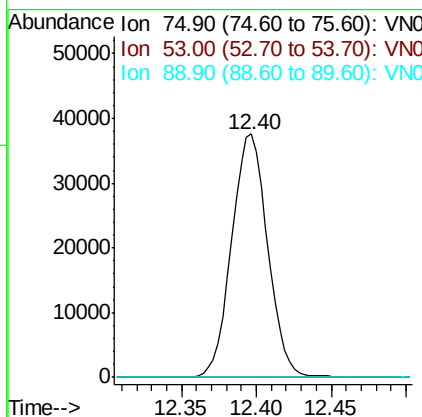
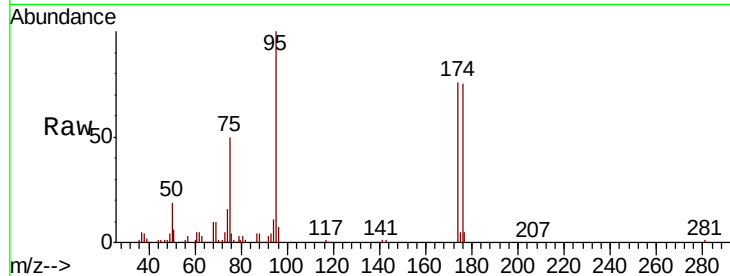




#81
trans-1,4-Dichloro-2-butene
Concen: 73.860 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

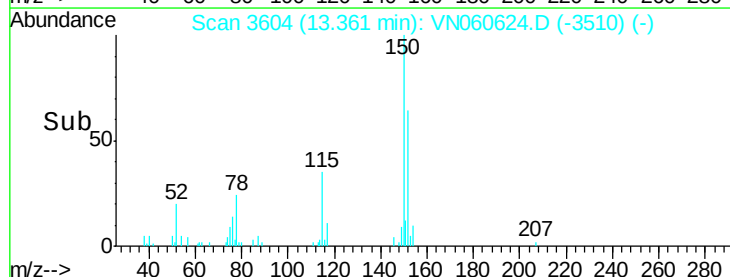
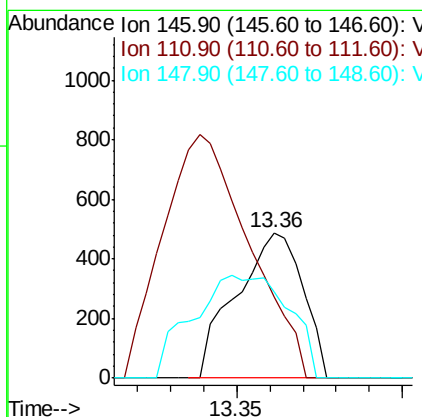
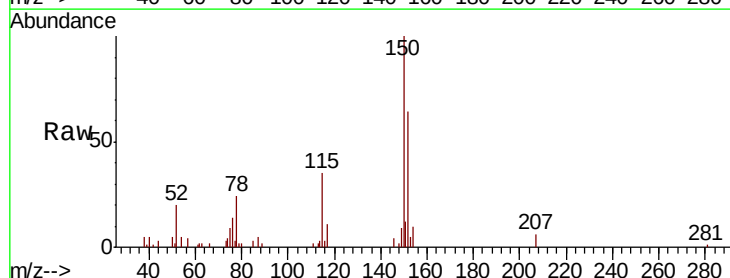
Instrument :
MSVOA_N
ClientSampled :

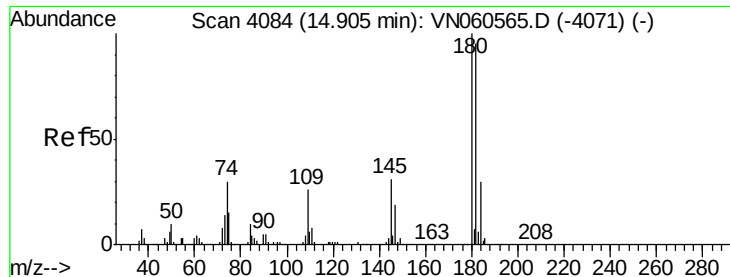
Tot Ion: 75 Resp: 62902
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.4#
89 0.0 34.8 52.2#



#88
1,4-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060624.D
Acq: 19 Mar 2020 10:03

Tgt Ion: 146 Resp: 681
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.7#
148 0.0 32.1 96.3#

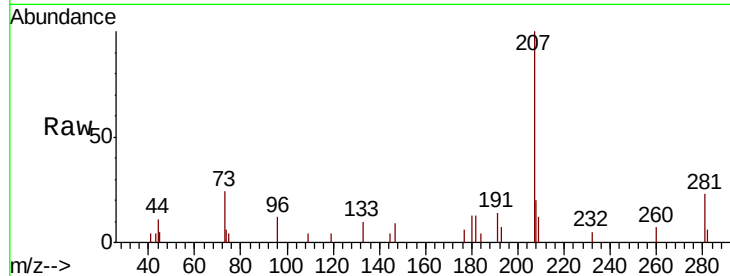




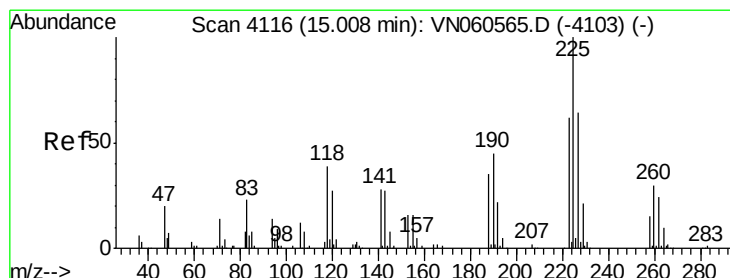
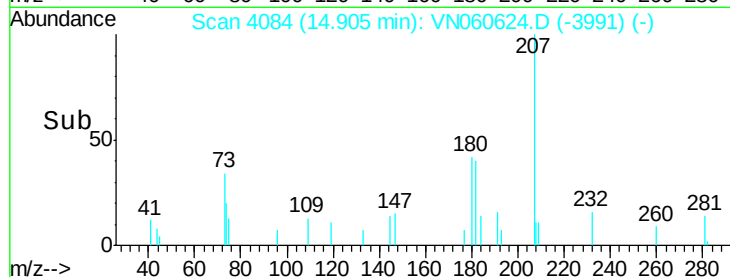
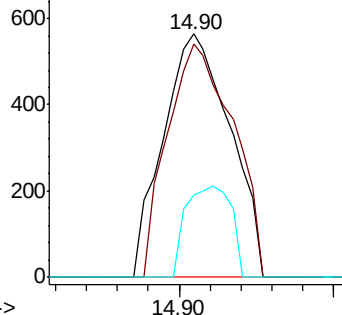
#93
 1,2,4-Trichlorobenzene
 Concen: 0.447 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060624.D
 Acq: 19 Mar 2020 10:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 849
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.9 143.8
 145 25.4 15.4 46.2

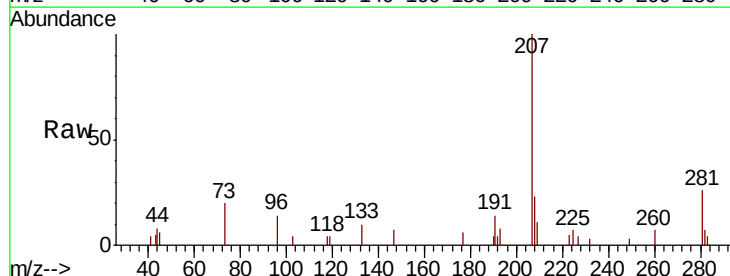


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

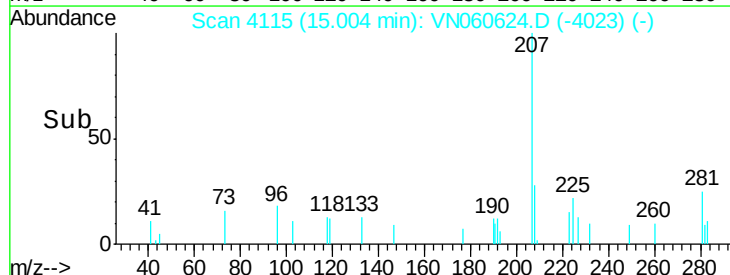
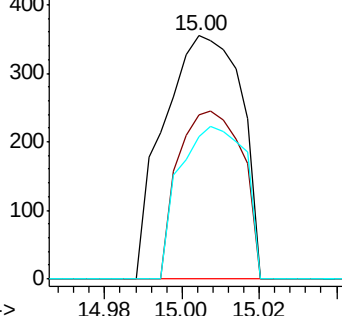


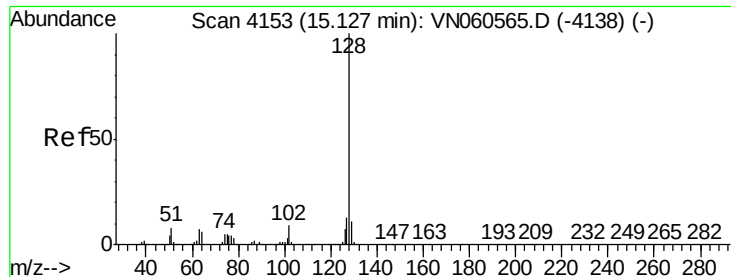
#94
 Hexachlorobutadiene
 Concen: 0.531 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060624.D
 Acq: 19 Mar 2020 10:03

Tgt Ion:225 Resp: 494
 Ion Ratio Lower Upper
 225 100
 223 56.7 31.6 95.0
 227 53.0 32.3 96.8



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: 0.700 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060624.D

Acq: 19 Mar 2020 10:03

Instrument :

MSVOA_N

ClientSampled :

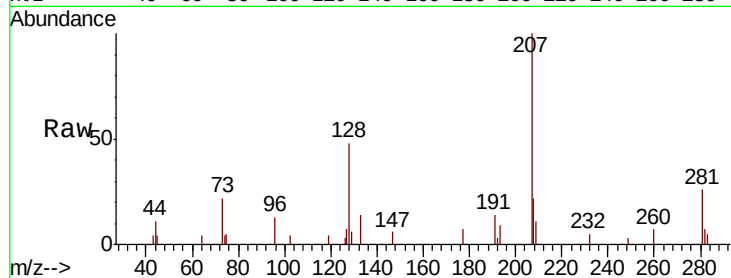
Tot Ion:128 Resp: 3999

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.2

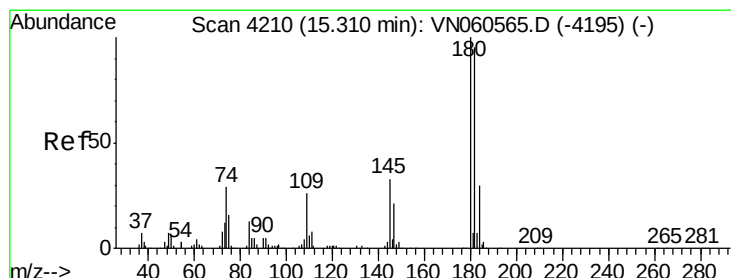
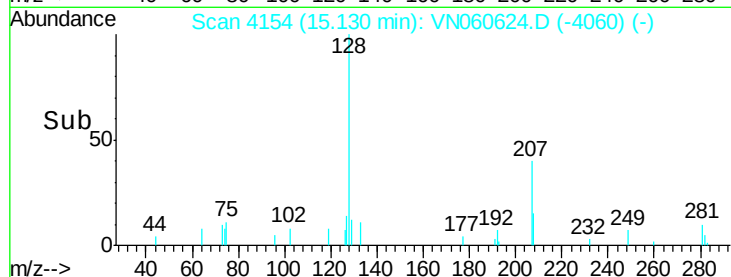
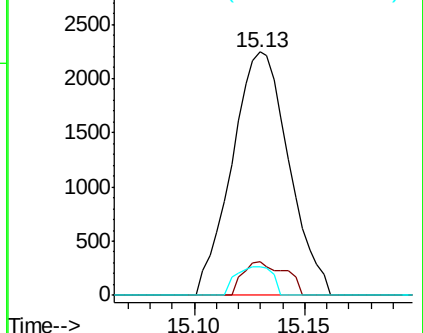
129 7.6 8.8 13.2#



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: 0.698 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060624.D

Acq: 19 Mar 2020 10:03

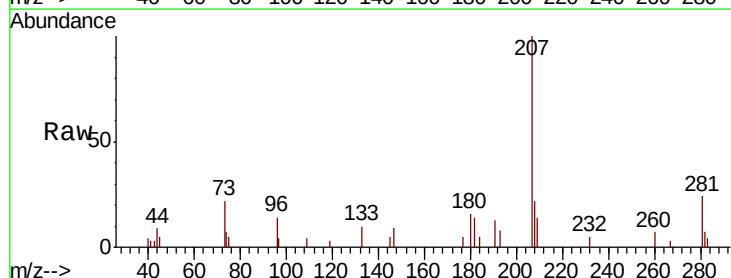
Tgt Ion:180 Resp: 1305

Ion Ratio Lower Upper

180 100

182 94.0 47.5 142.6

145 28.4 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

