

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033020\
 Data File : VN060761.D
 Acq On : 30 Mar 2020 11:19
 Operator : JC/MD
 Sample : VN0330WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 07:56:57 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	194489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121436	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	122760	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	7.56	113	95124	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	10.08	98	395349	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	140079	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

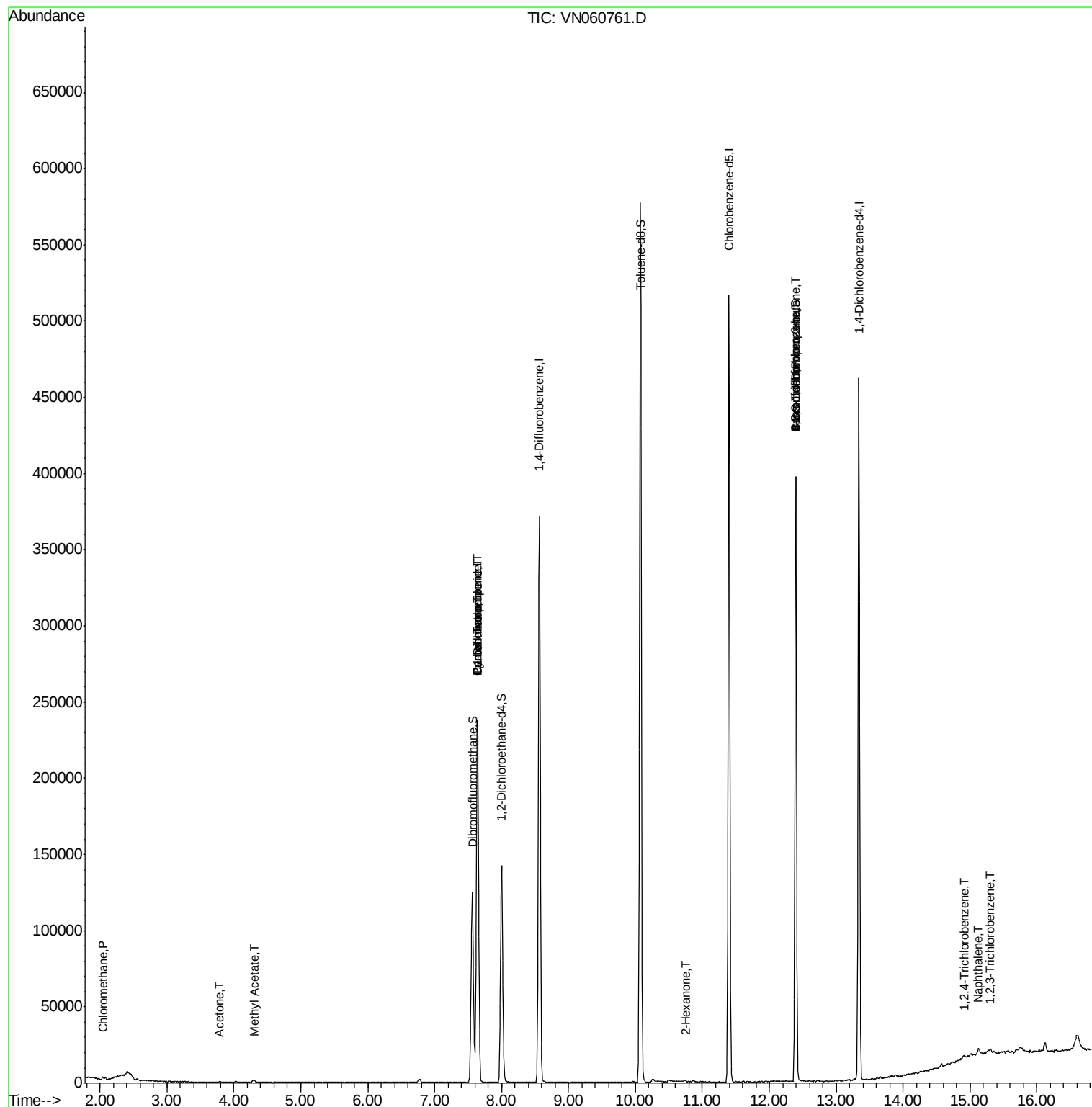
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1229	0.350	ug/l	91
16) Acetone	3.80	43	479	0.506	ug/l #	43
18) Methyl Acetate	4.29	43	2874	1.080	ug/l #	71
31) Cyclohexane	7.64	56	4184	0.973	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15315	4.867	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18519	6.567	ug/l #	16
59) 2-Hexanone	10.74	43	1055	0.459	ug/l #	62
71) Bromoform	12.40	173	684	2.058	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	70330	26.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	70330	68.933	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	904	0.397	ug/l #	89
95) Naphthalene	15.13	128	4044	0.591	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.31	180	1089	0.486	ug/l	95

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

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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: VN060761.D

Acq: 30 Mar 2020 11:19

Instrument :

MSVOA_N

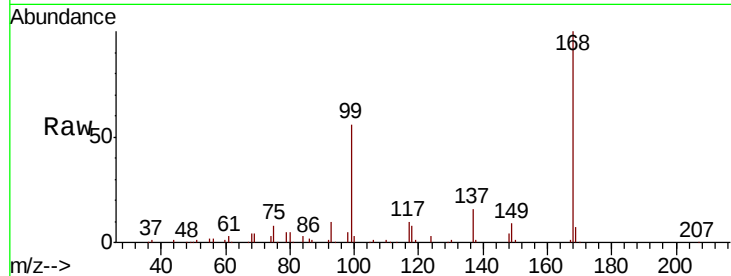
ClientSampleId :

Tot Ion:168 Resp: 194489

Ion Ratio Lower Upper

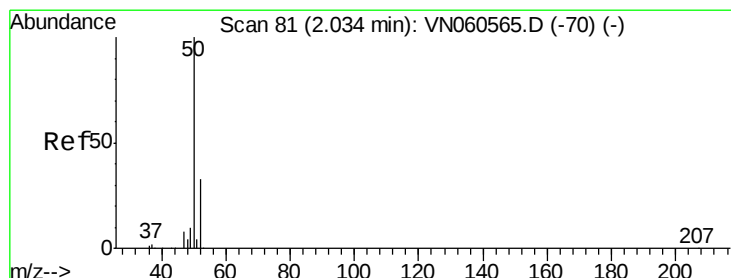
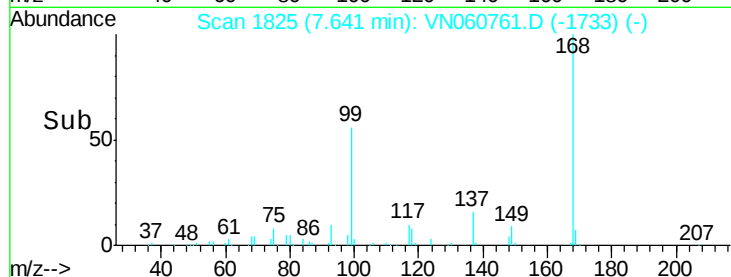
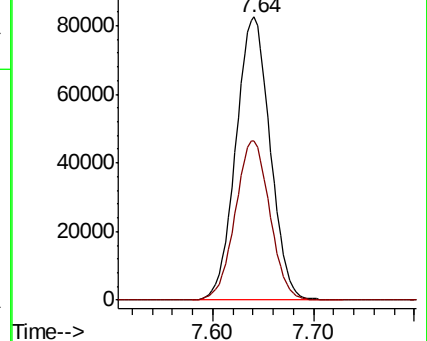
168 100

99 56.0 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: 0.350 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060761.D

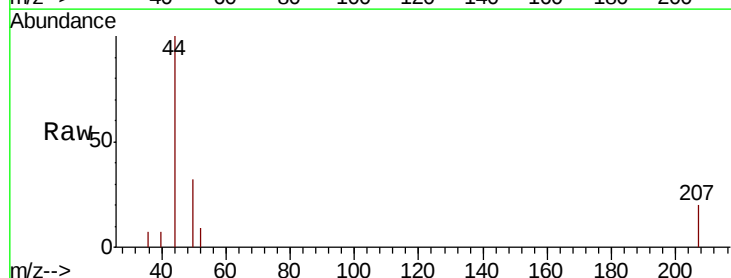
Acq: 30 Mar 2020 11:19

Tgt Ion: 50 Resp: 1229

Ion Ratio Lower Upper

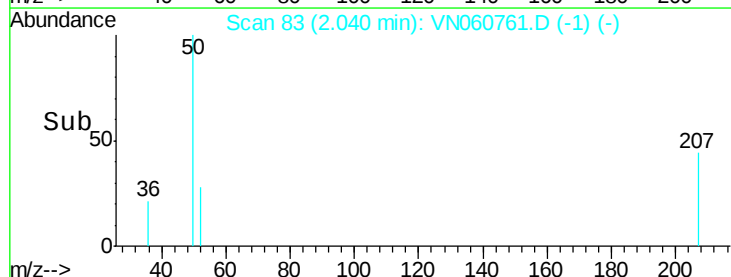
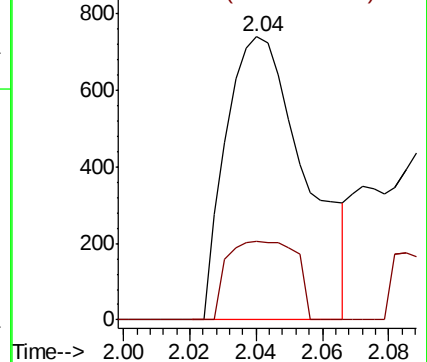
50 100

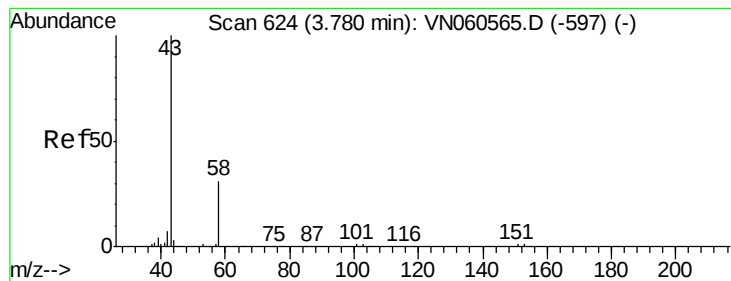
52 27.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 0.506 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060761.D

Acq: 30 Mar 2020 11:19

Instrument :

MSVOA_N

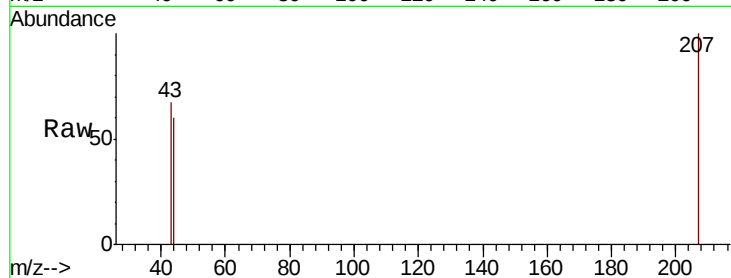
ClientSampleId :

Tot Ion: 43 Resp: 479

Ion Ratio Lower Upper

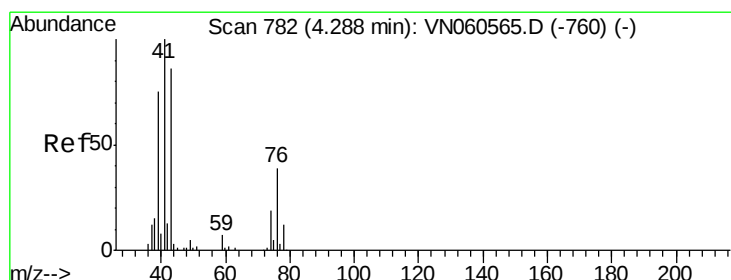
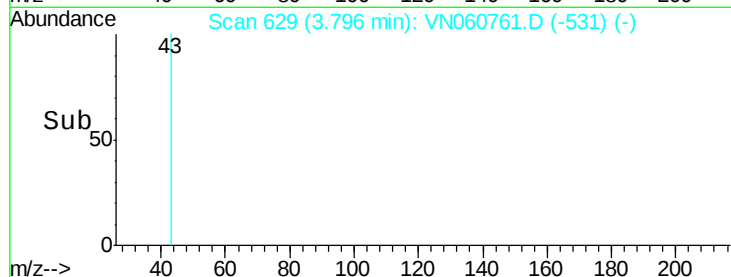
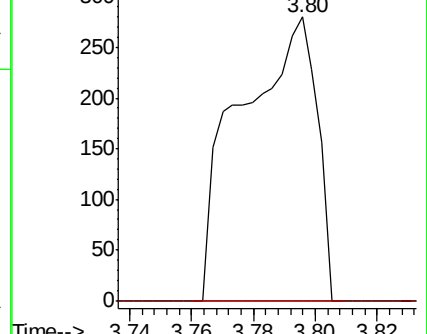
43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.080 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060761.D

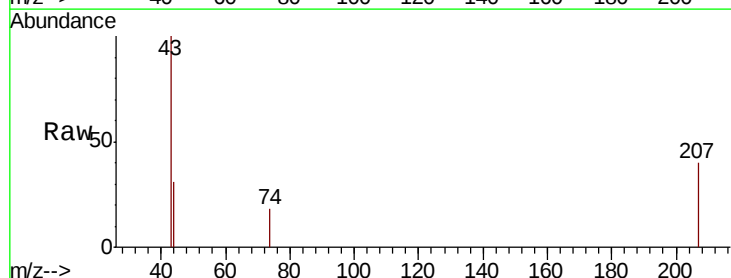
Acq: 30 Mar 2020 11:19

Tgt Ion: 43 Resp: 2874

Ion Ratio Lower Upper

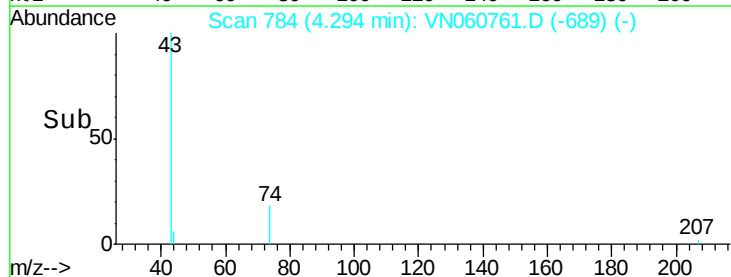
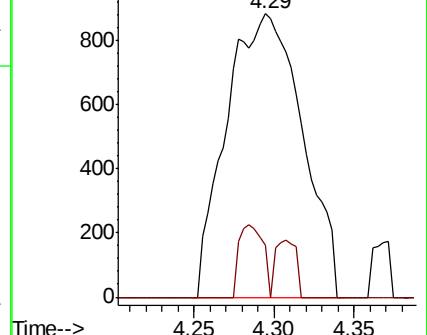
43 100

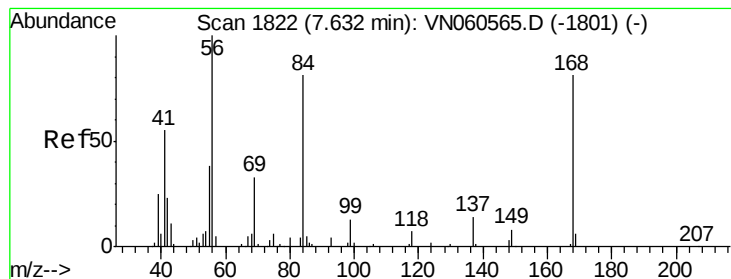
74 7.9 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 0.973 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

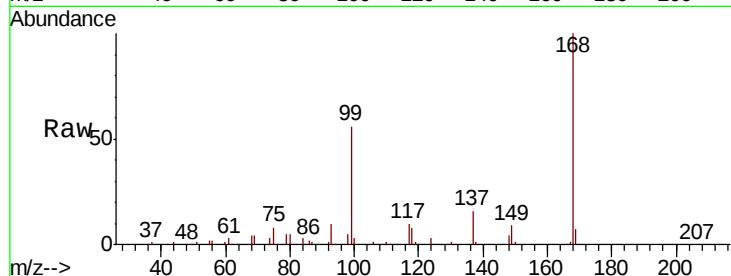
Lab File: VN060761.D

Acq: 30 Mar 2020 11:19

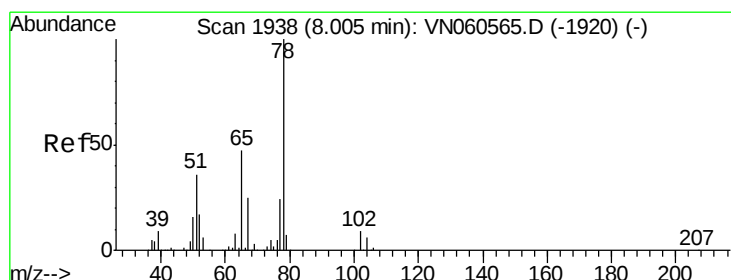
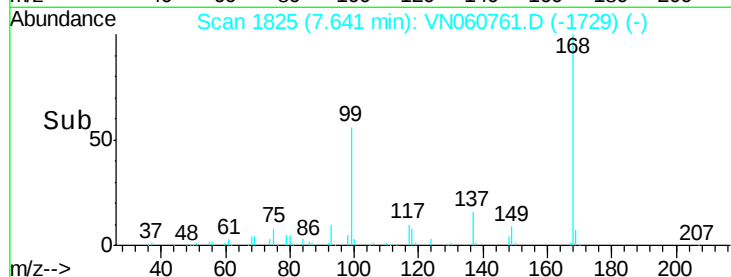
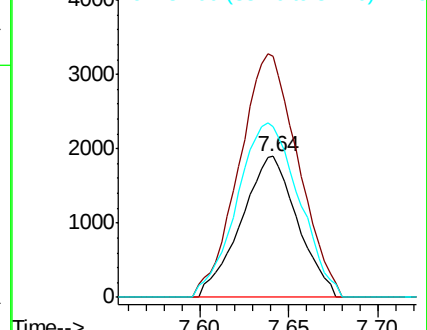
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4184

Ion	Ratio	Lower	Upper
56	100		
69	170.5	26.6	40.0#
84	120.9	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: 45.979 ug/l

RT: 8.00 min Scan# 1937

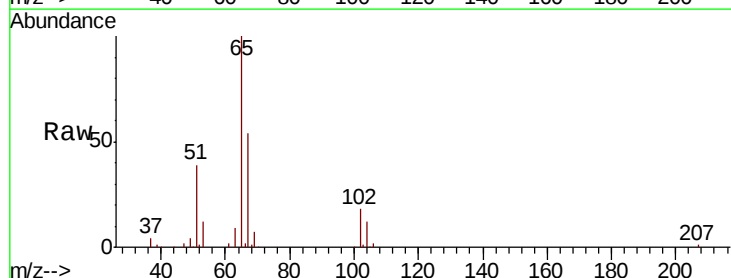
Delta R.T. -0.00 min

Lab File: VN060761.D

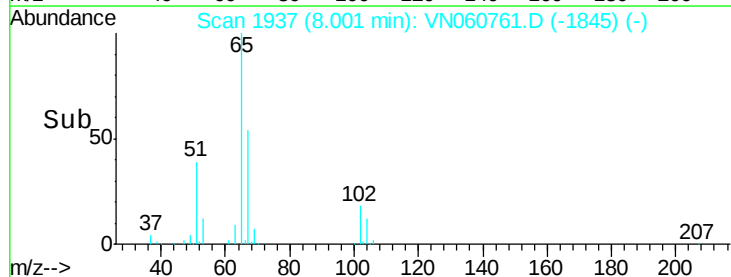
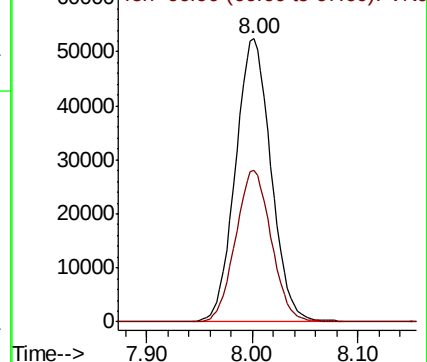
Acq: 30 Mar 2020 11:19

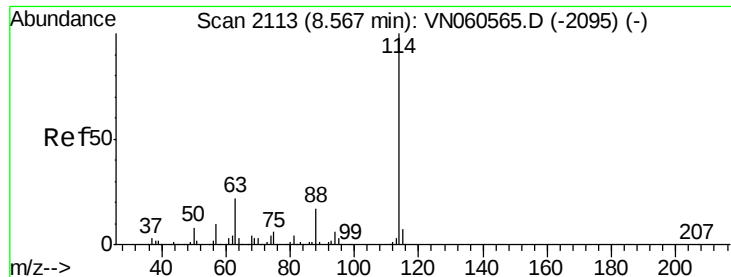
Tgt Ion: 65 Resp: 122760

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

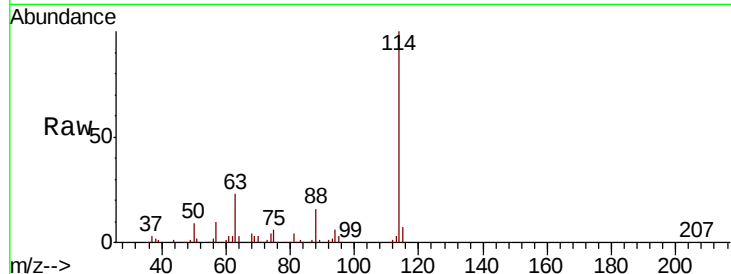




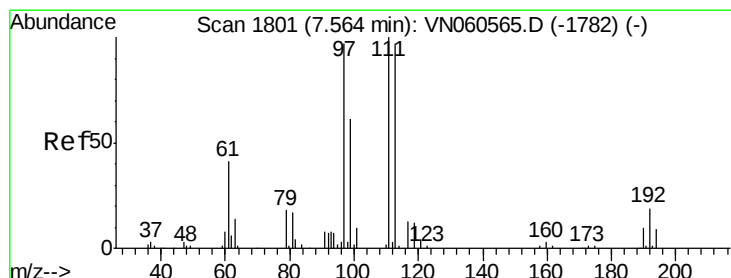
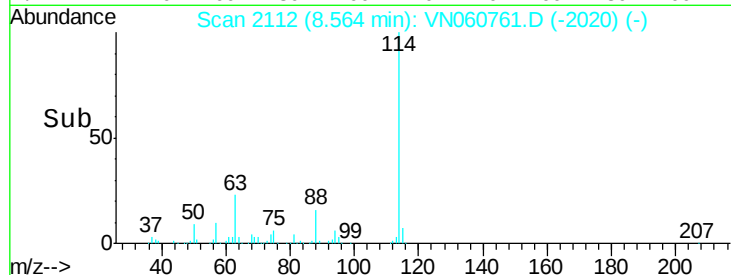
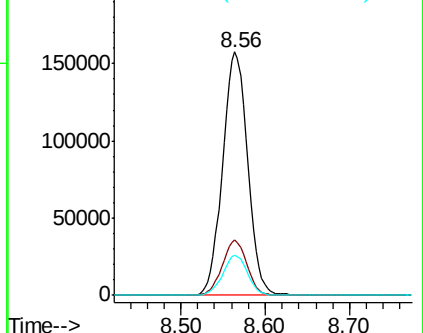
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.8
88	16.5	0.0	33.0

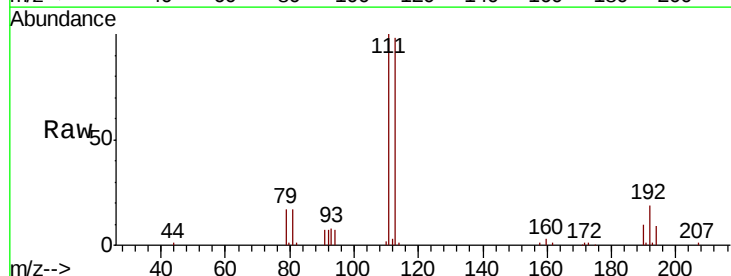


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

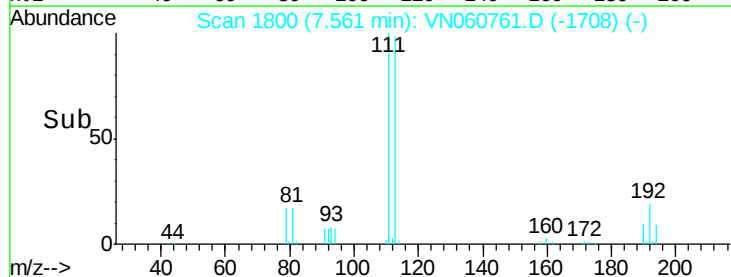
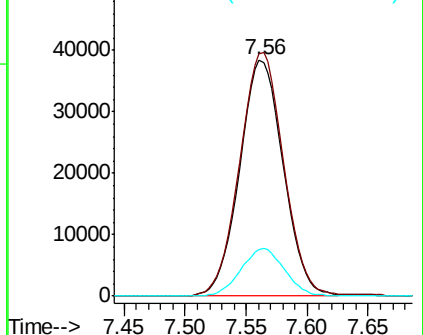


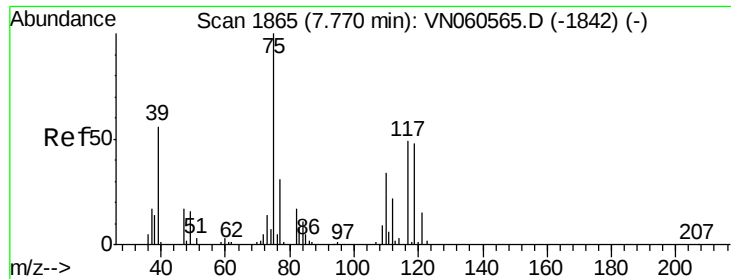
#35
Dibromofluoromethane
Concen: 48.414 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	20.1	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

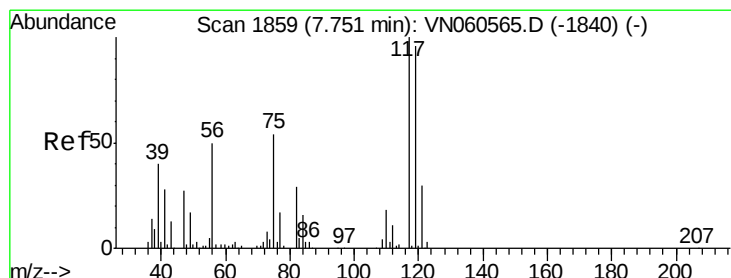
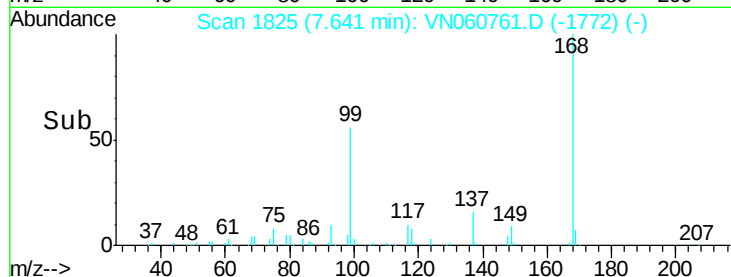
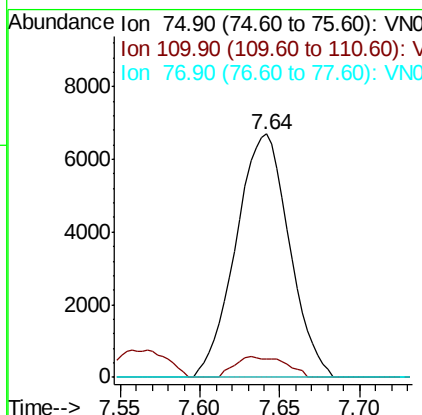
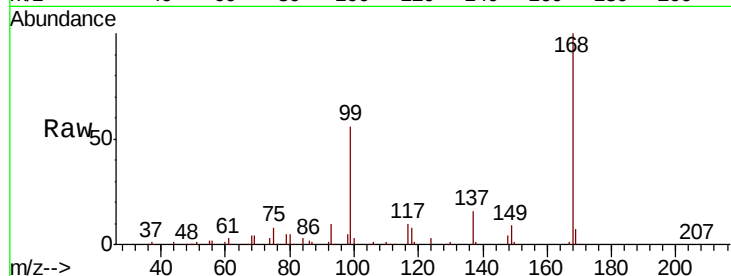




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060761.D
 Acq: 30 Mar 2020 11:19

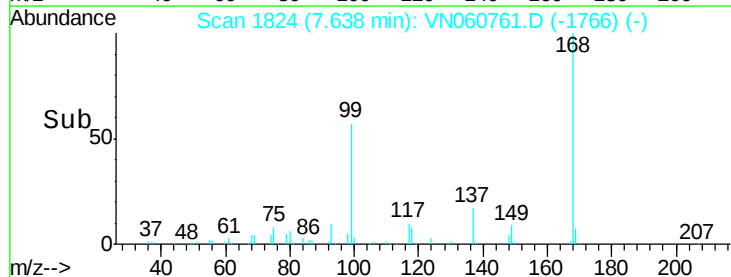
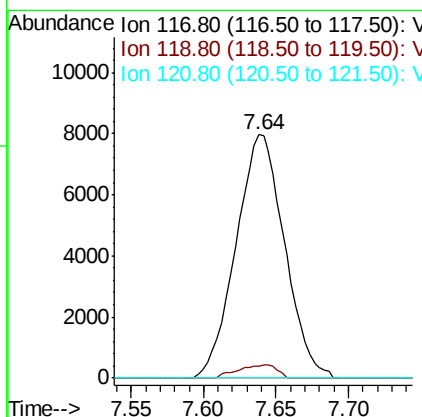
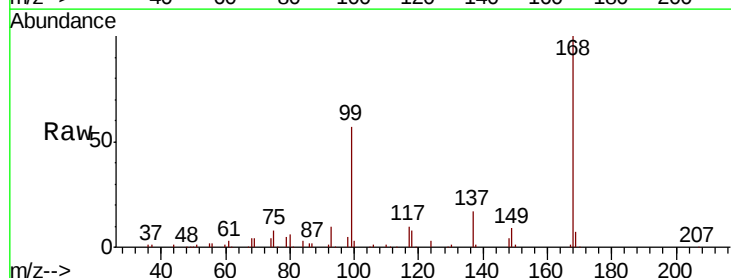
Instrument :
 MSVOA_N
 ClientSampled :

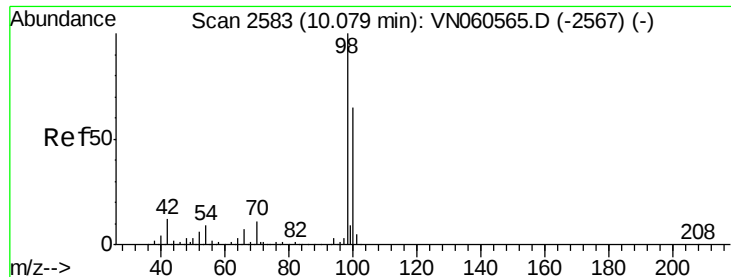
Tot Ion	75	Resp	15315
Ion Ratio	100	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.567 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN060761.D
 Acq: 30 Mar 2020 11:19

Tgt Ion	117	Resp	18519
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#

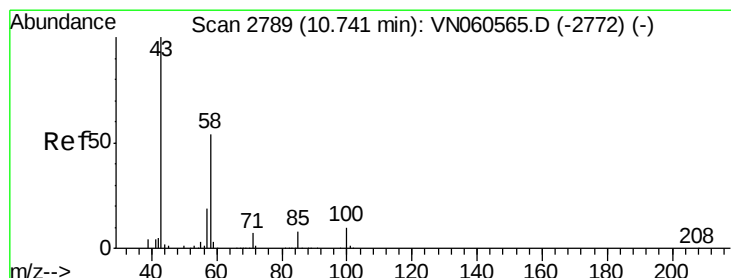
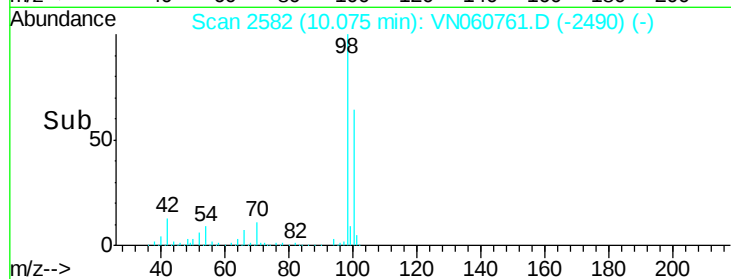
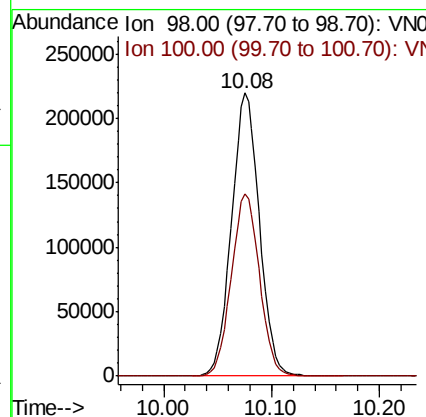
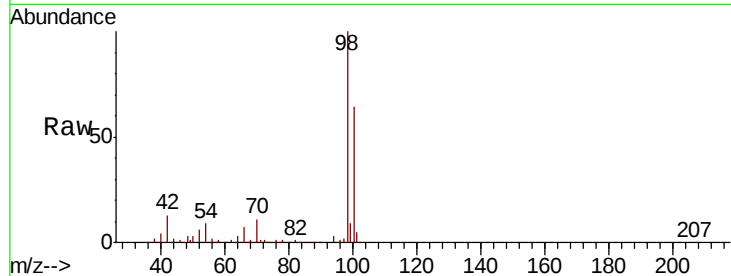




#50
Toluene-d8
Concen: 49.262 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

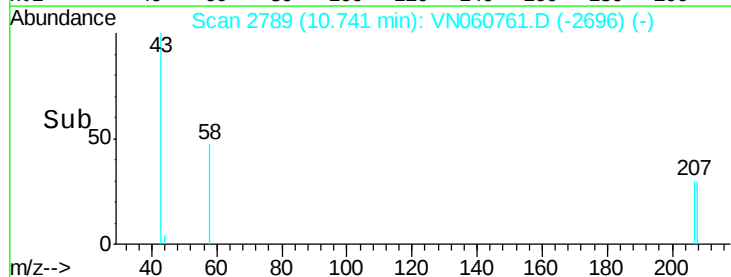
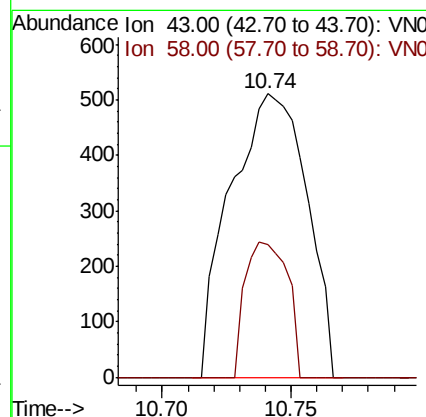
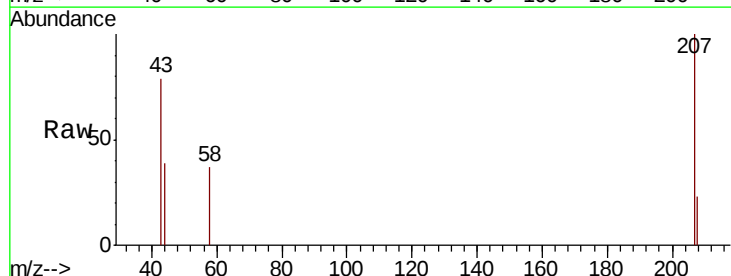
Instrument :
MSVOA_N
ClientSampled :

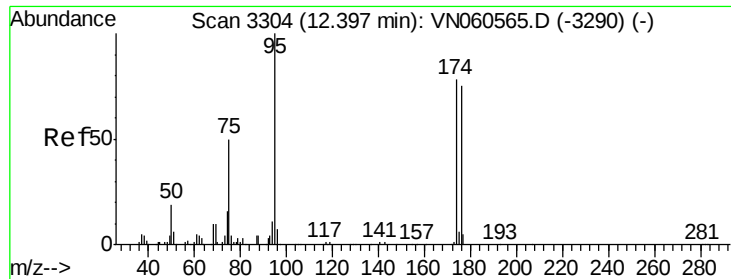
Tot Ion: 98 Resp: 395349
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



#59
2-Hexanone
Concen: 0.459 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 26.6 26.7 80.1#

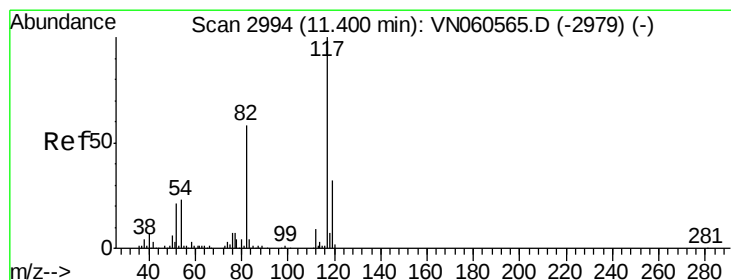
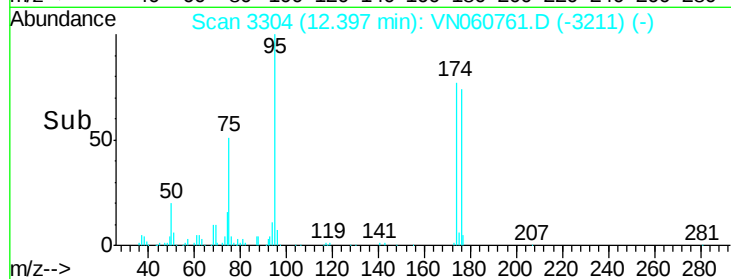
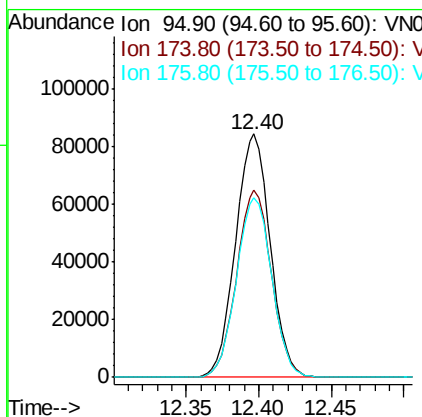
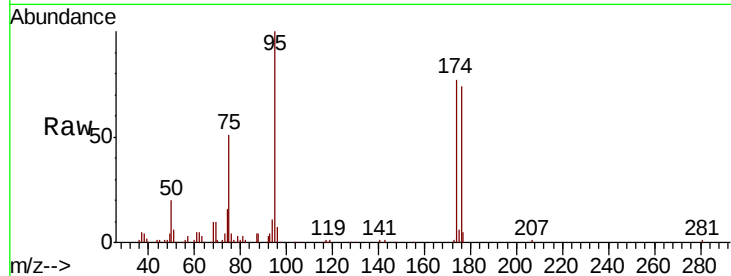




#62
4-Bromofluorobenzene
Concen: 47.626 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

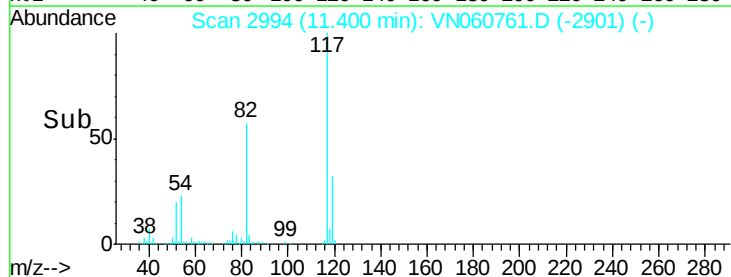
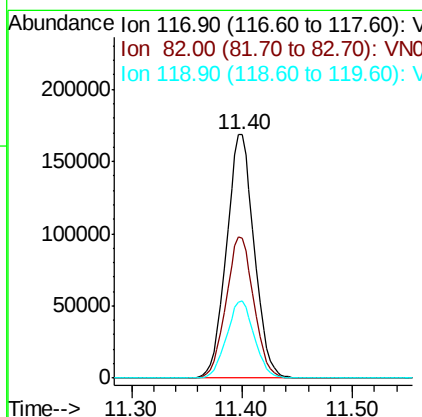
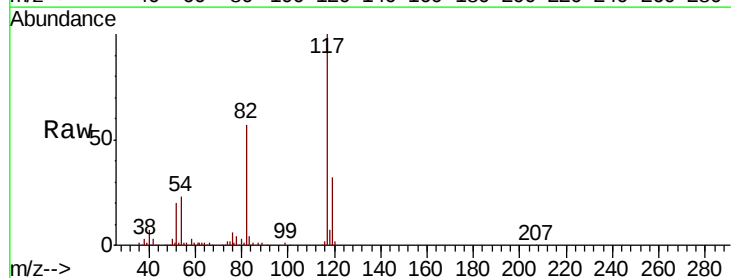
Instrument :
MSVOA_N
ClientSampled :

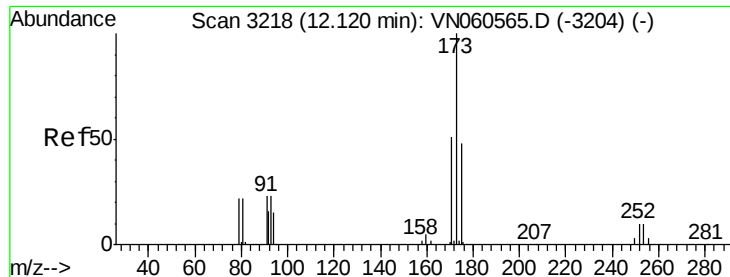
Tot Ion: 95 Resp: 140079
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.6
176 75.0 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Tgt Ion: 117 Resp: 293446
Ion Ratio Lower Upper
117 100
82 57.2 46.7 70.1
119 31.5 25.5 38.3

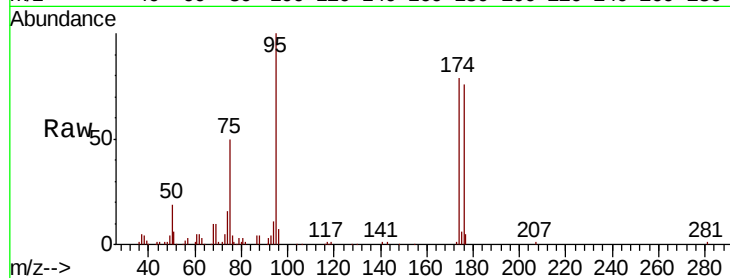




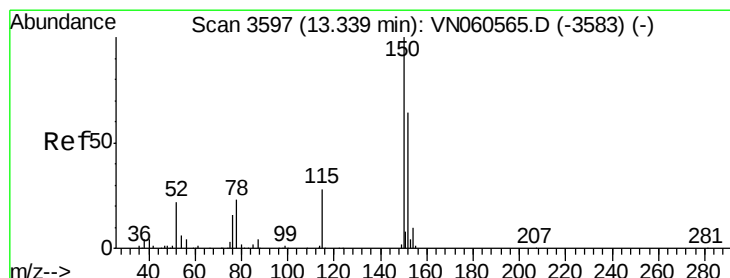
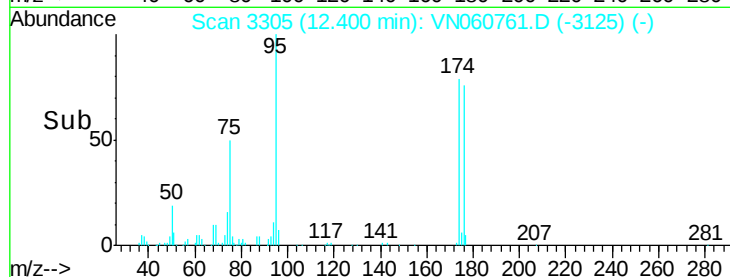
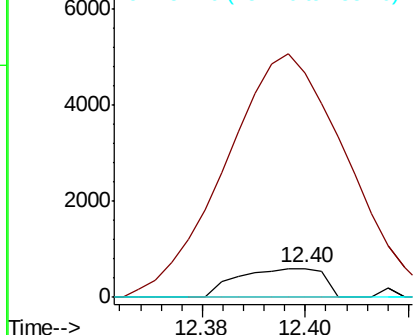
#71
Bromoform
Concen: 2.058 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 684
Ion Ratio Lower Upper
173 100
175 1027.5 24.1 72.4#
254 0.0 0.0 0.0

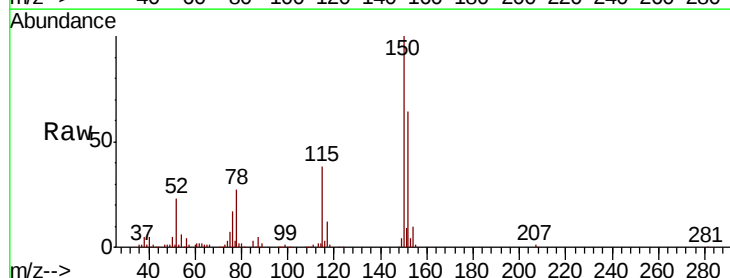


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

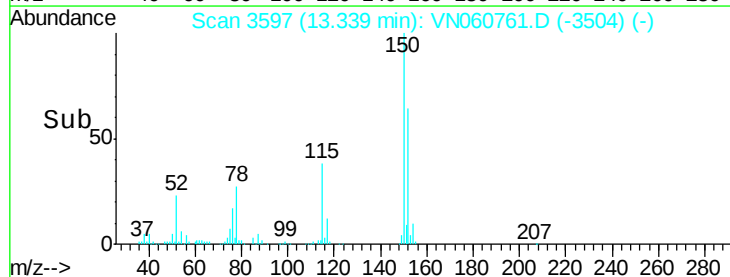
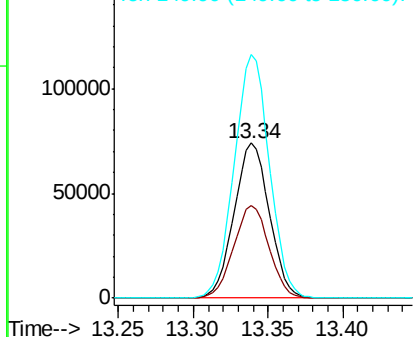


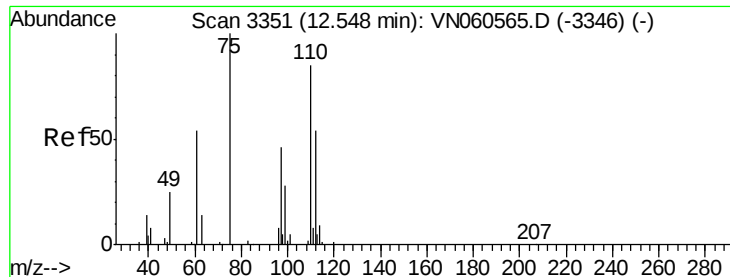
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060761.D
Acq: 30 Mar 2020 11:19

Tgt Ion:152 Resp: 121436
Ion Ratio Lower Upper
152 100
115 59.8 30.2 90.6
150 157.1 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.840 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060761.D

Acq: 30 Mar 2020 11:19

Instrument :

MSVOA_N

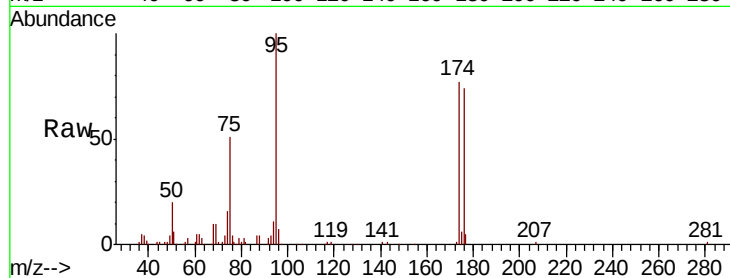
ClientSampleId :

Tot Ion: 75 Resp: 70330

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

40000

30000

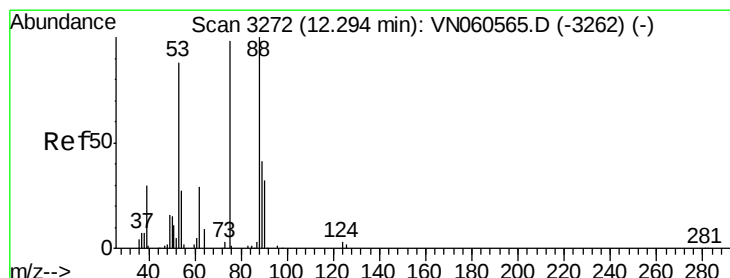
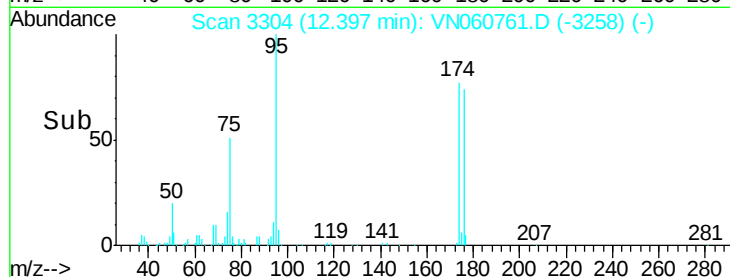
20000

10000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 68.933 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060761.D

Acq: 30 Mar 2020 11:19

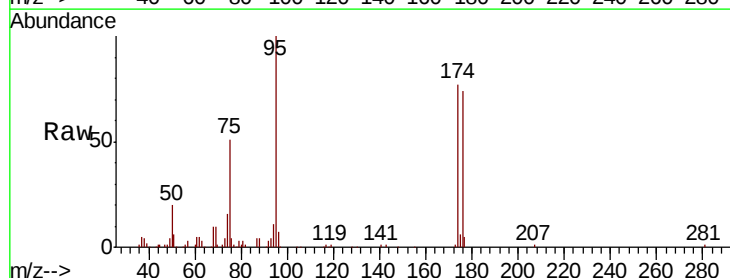
Tgt Ion: 75 Resp: 70330

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

40000

30000

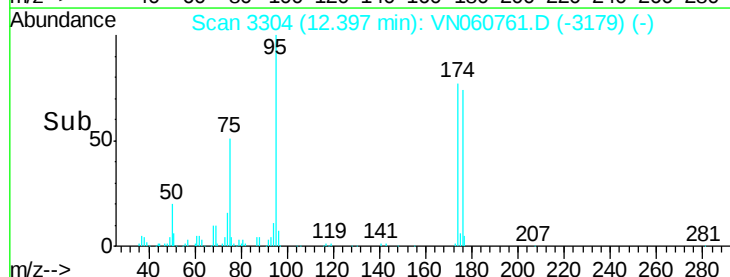
20000

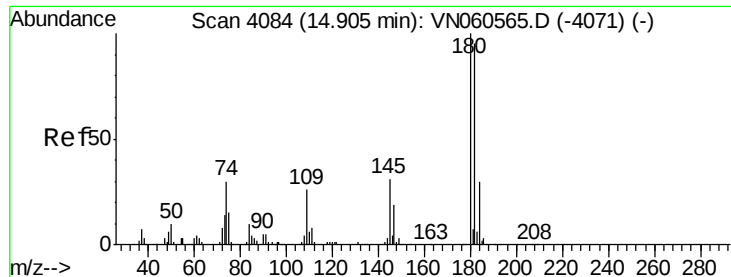
10000

0

Time-->

12.35 12.40 12.45

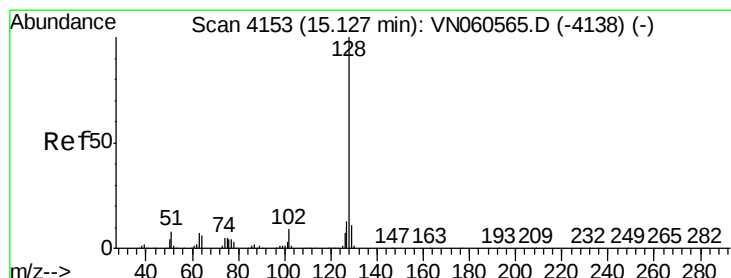
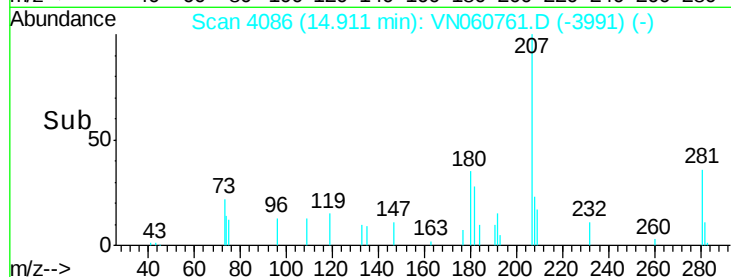
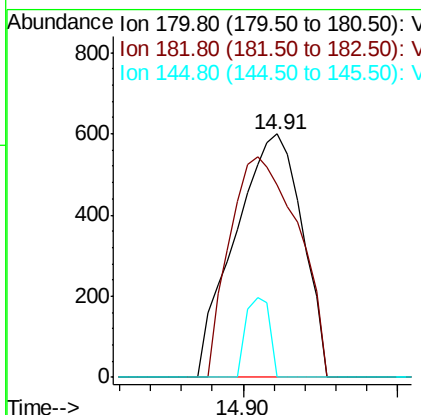
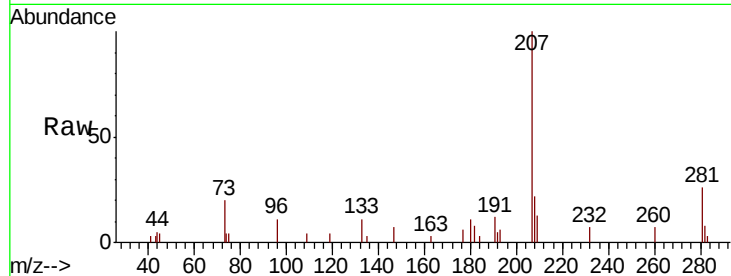




#93
 1,2,4-Trichlorobenzene
 Concen: 0.397 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060761.D
 Acq: 30 Mar 2020 11:19

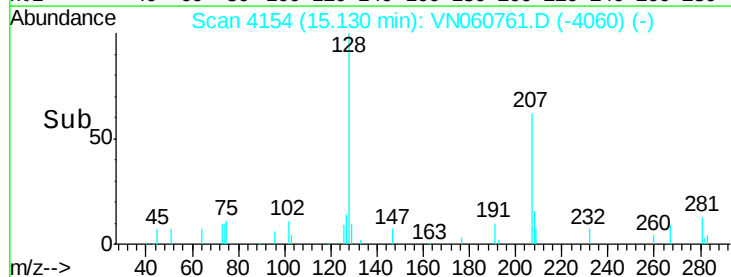
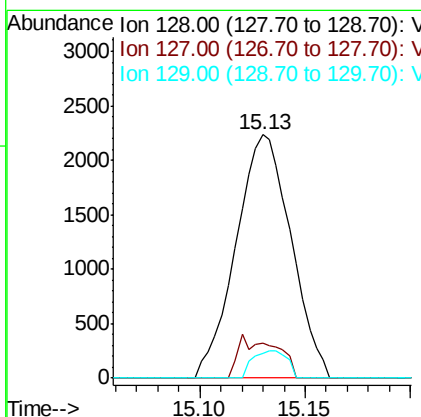
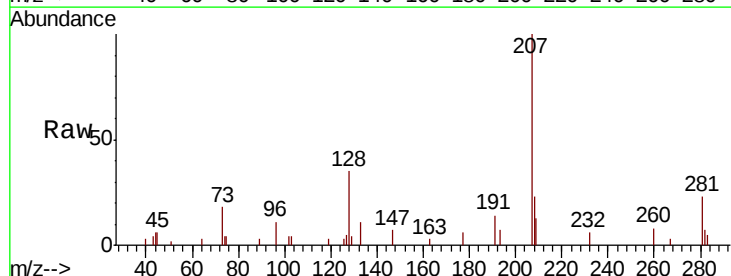
Instrument :
 MSVOA_N
 ClientSampled :

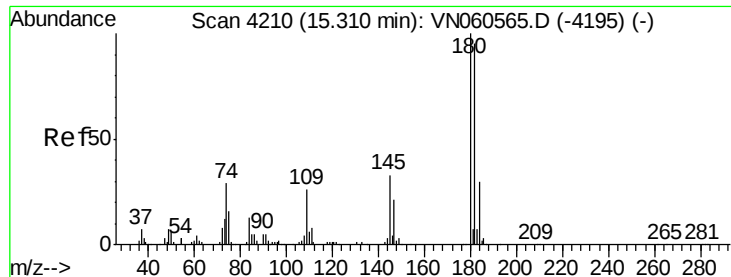
Tot Ion:180 Resp: 904
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.9 143.8
 145 11.7 15.4 46.2#



#95
 Naphthalene
 Concen: 0.591 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060761.D
 Acq: 30 Mar 2020 11:19

Tgt Ion:128 Resp: 4044
 Ion Ratio Lower Upper
 128 100
 127 5.4 10.2 15.2#
 129 7.0 8.8 13.2#

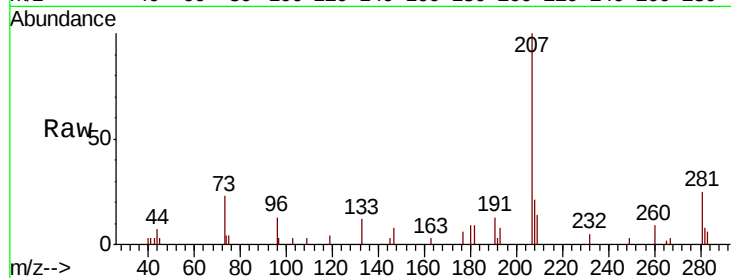




#96
 1,2,3-Trichlorobenzene
 Concen: 0.486 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060761.D
 Acq: 30 Mar 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.5	142.6
145	28.3	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

