

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060849.D
 Acq On : 6 Apr 2020 14:27
 Operator : JC/MD
 Sample : L2129-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Apr 07 07:04:17 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	204984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	323299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133464	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.56	113	103163	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.08	98	424596	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	157525	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

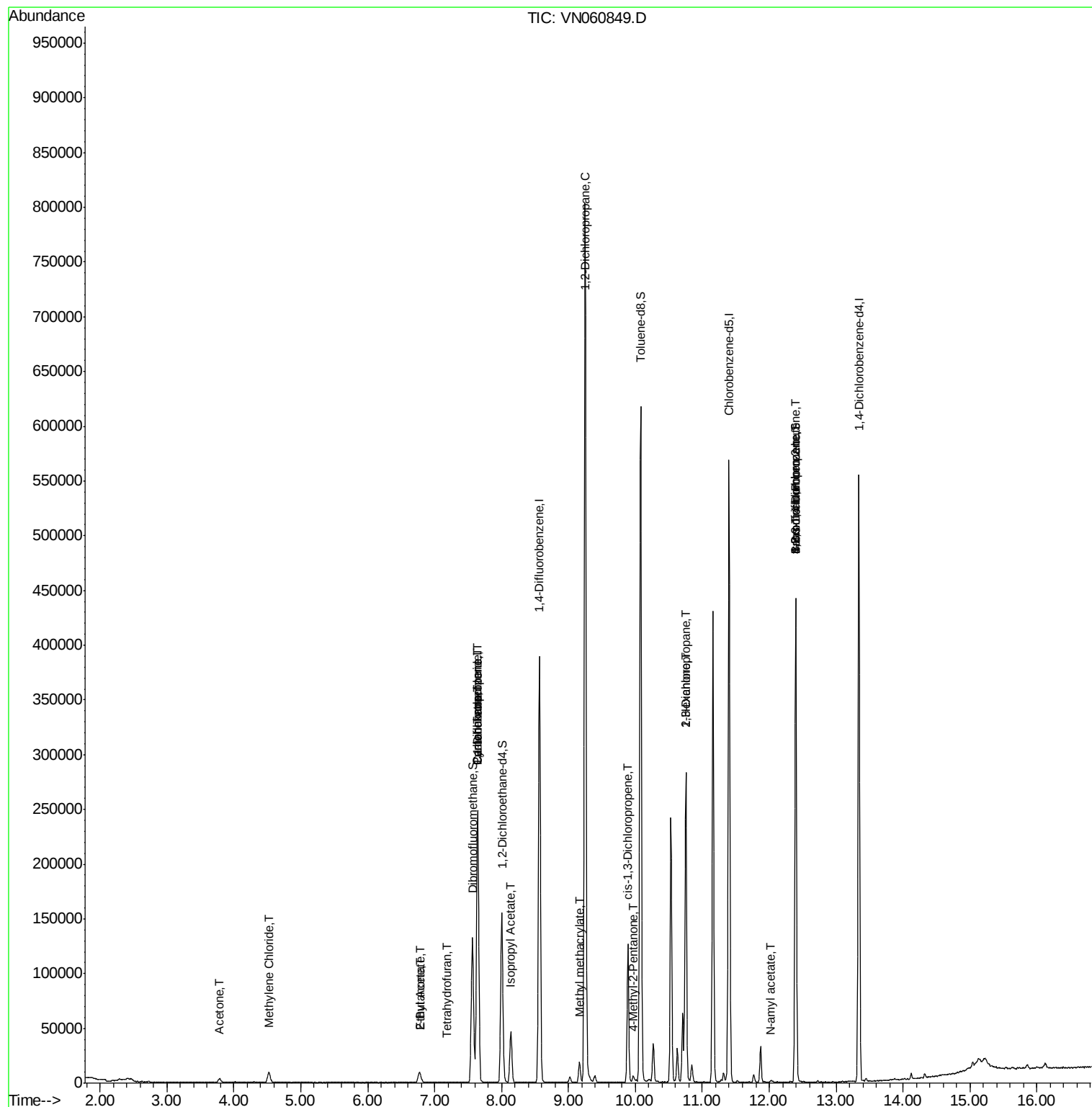
						Qvalue
16) Acetone	3.79	43	7137	7.160	ug/l	93
20) Methylene Chloride	4.52	84	7030	2.867	ug/l	95
25) 2-Butanone	6.80	43	1181	0.732	ug/l #	50
29) Tetrahydrofuran	7.18	42	262	0.230	ug/l #	35
31) Cyclohexane	7.64	56	4298	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16107	4.845	ug/l #	50
37) Ethyl Acetate	6.80	43	1181	0.329	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19729	6.622	ug/l #	16
43) Isopropyl Acetate	8.14	43	55641	9.392	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1009	0.381	ug/l #	43
48) Methyl methacrylate	9.16	41	2674	1.014	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4437	1.316	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	22579	5.386	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2768	0.684	ug/l #	42
59) 2-Hexanone	10.75	43	43343	17.849	ug/l #	51
71) Bromoform	12.40	173	239	1.800	ug/l #	1
74) N-amyl acetate	12.02	43	1864	0.369	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	80068	25.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80068	65.421	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060849.D

Acq: 6 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

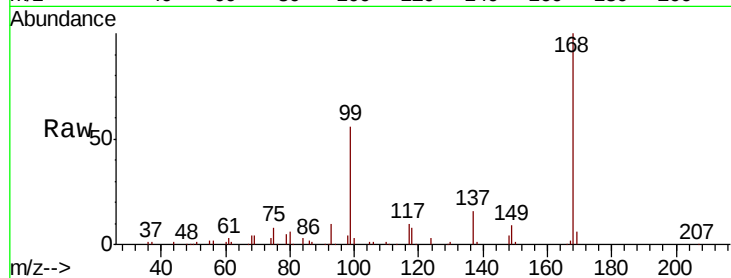
TP-4

Tot Ion:168 Resp: 204984

Ion Ratio Lower Upper

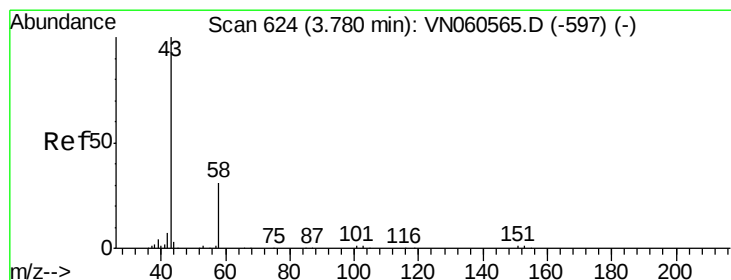
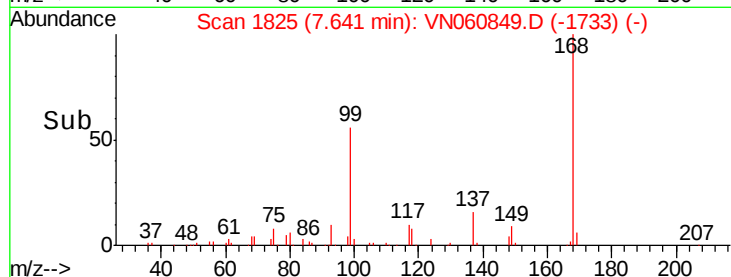
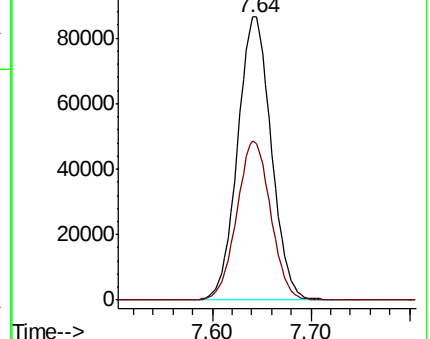
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060849.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060849.D (-1733) (-)



#16

Acetone

Concen: 7.160 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060849.D

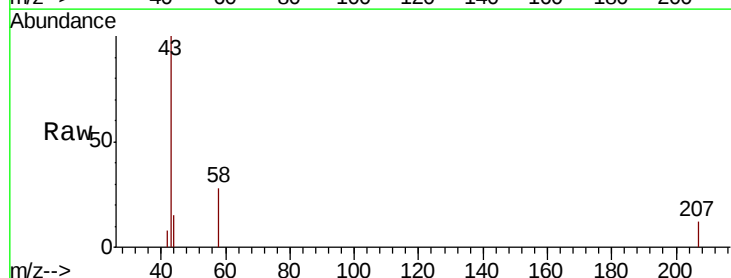
Acq: 6 Apr 2020 14:27

Tgt Ion: 43 Resp: 7137

Ion Ratio Lower Upper

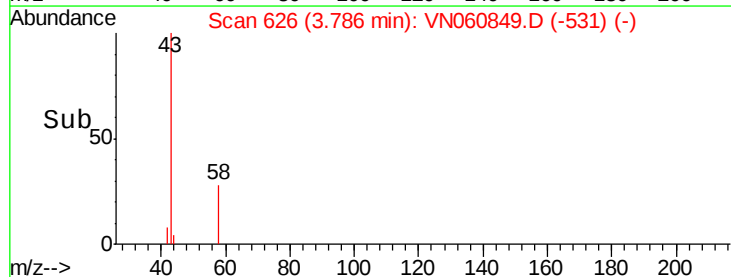
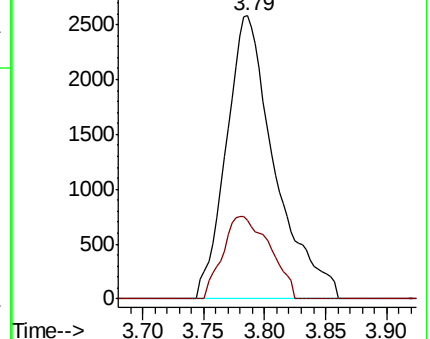
43 100

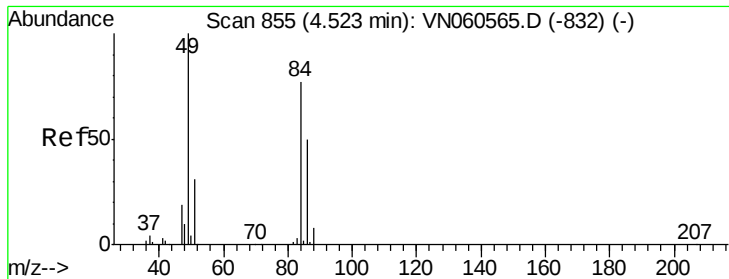
58 27.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060849.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060849.D (-531) (-)

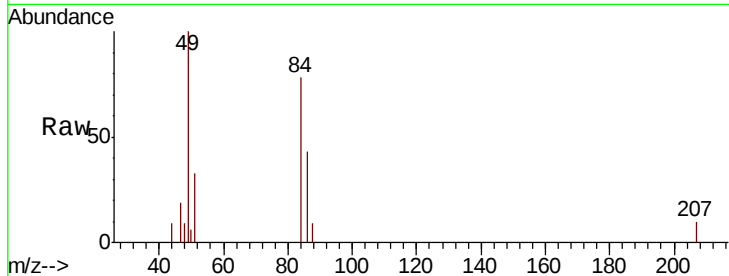




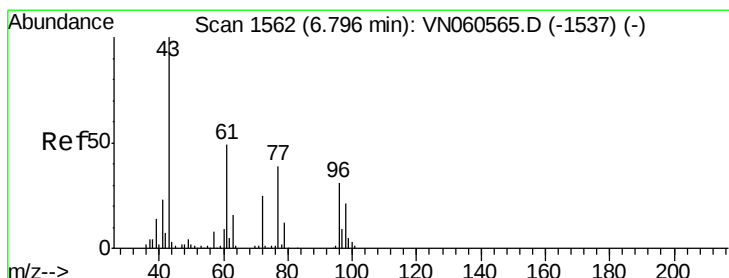
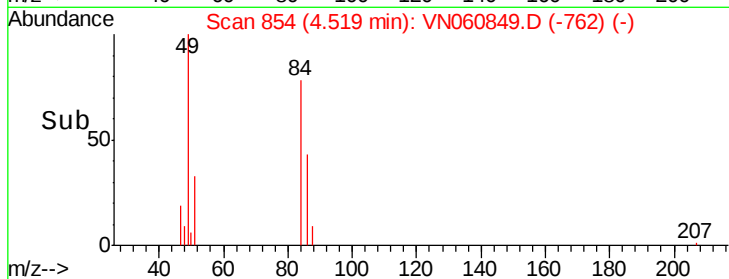
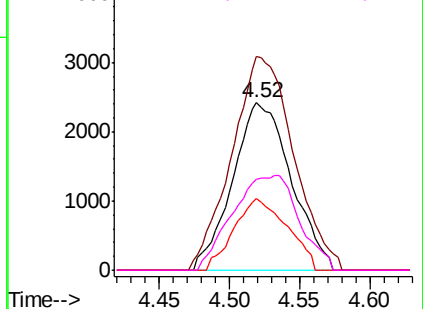
#20
Methvlene Chloride
Concen: 2.867 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion:	84	Resp:	7030
Ion	Ratio	Lower	Upper
84	100		
49	127.6	103.3	154.9
51	42.6	31.6	47.4
86	54.4	52.0	78.0

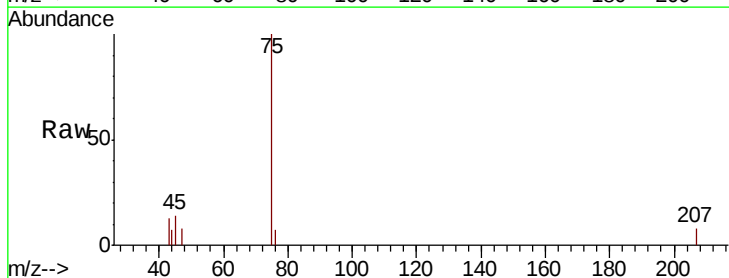


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

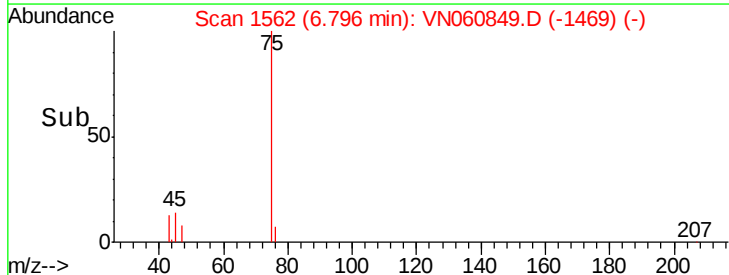
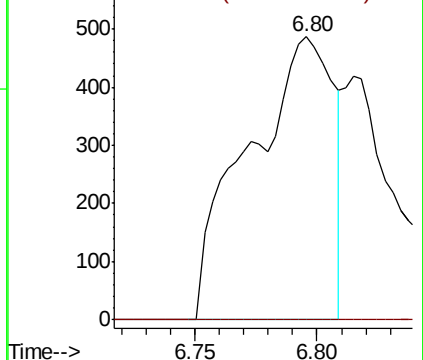


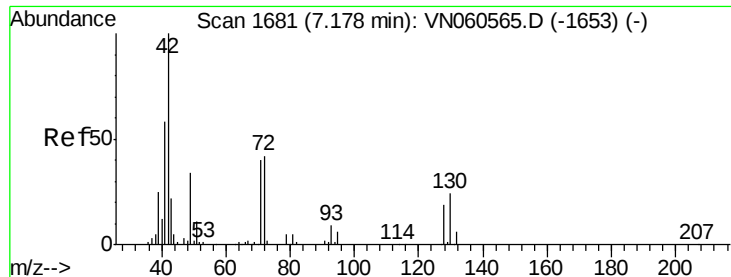
#25
2-Butanone
Concen: 0.732 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion:	43	Resp:	1181
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#



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

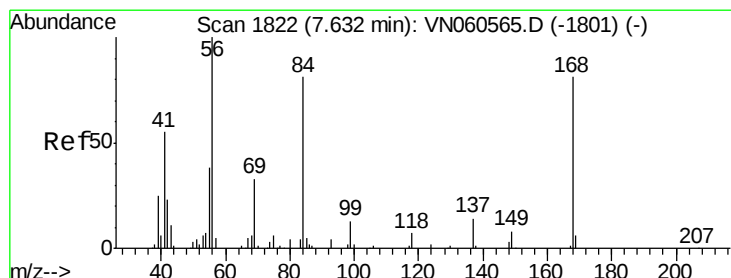
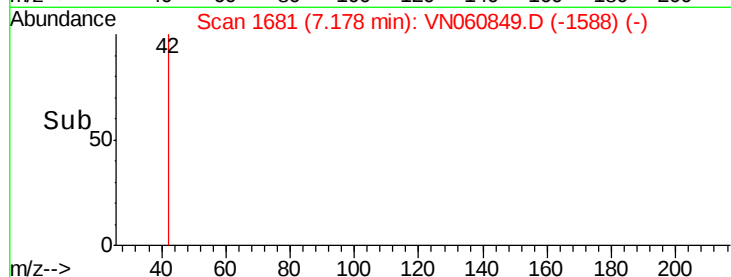
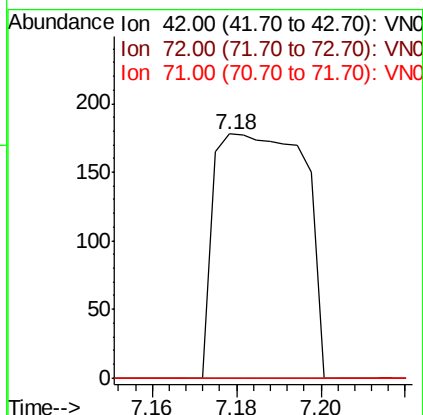
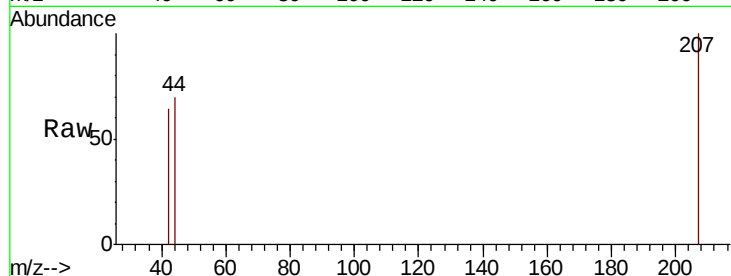




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

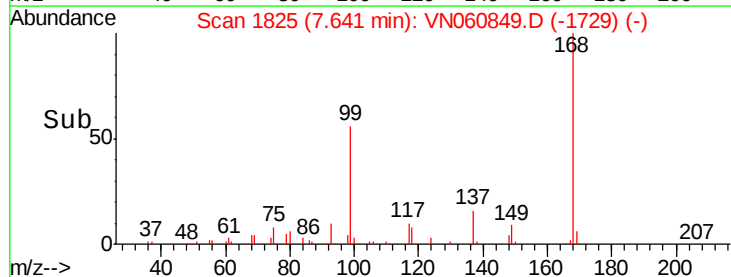
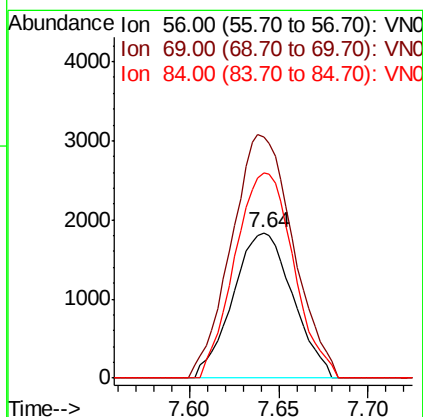
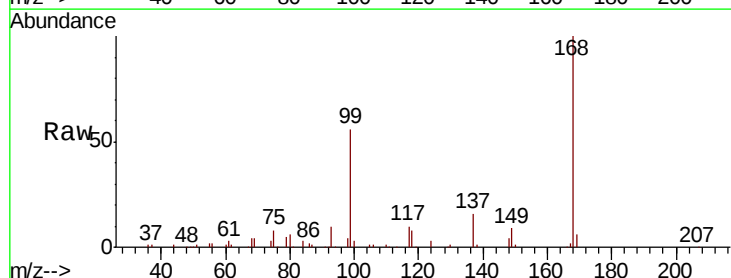
Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tot Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 0.0 33.2 49.8#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 0.948 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 166.1 26.6 40.0#
84 141.1 64.3 96.5#

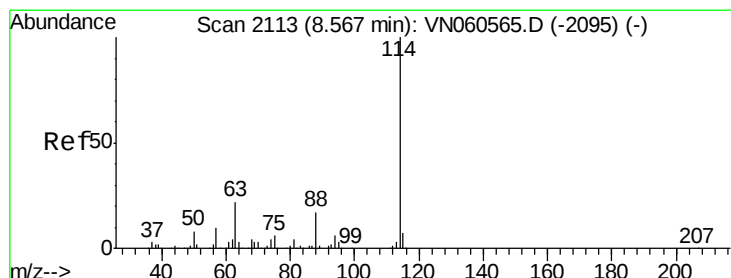
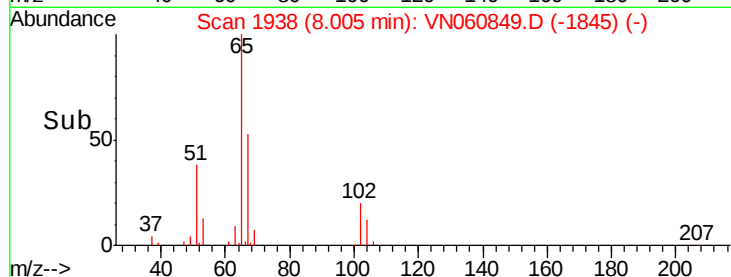
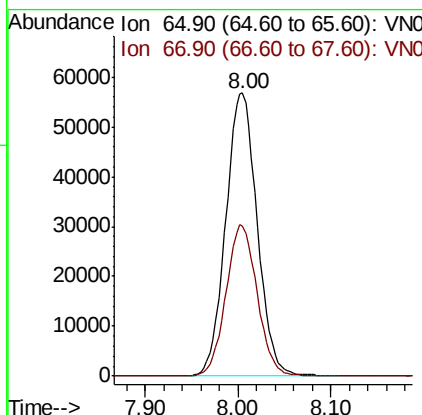
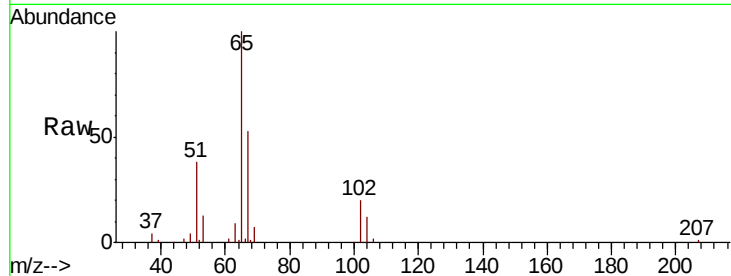




#33
 1,2-Dichloroethane-d4
 Concen: 47.429 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

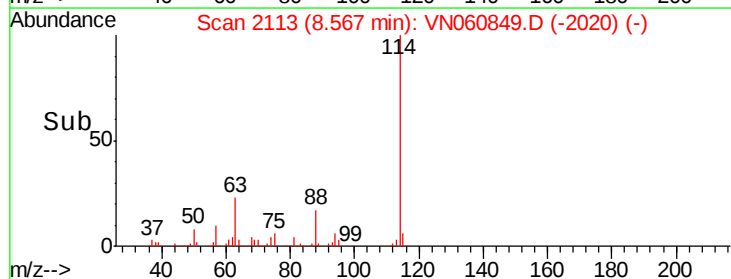
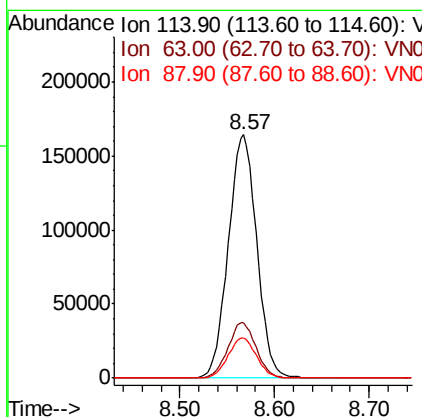
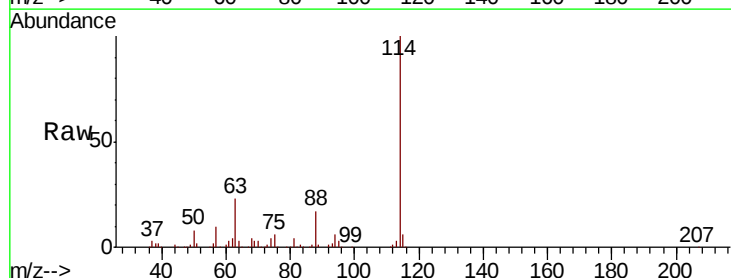
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

Tot Ion: 65 Resp: 133464
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

Tgt Ion: 114 Resp: 343322
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.7 0.0 33.0

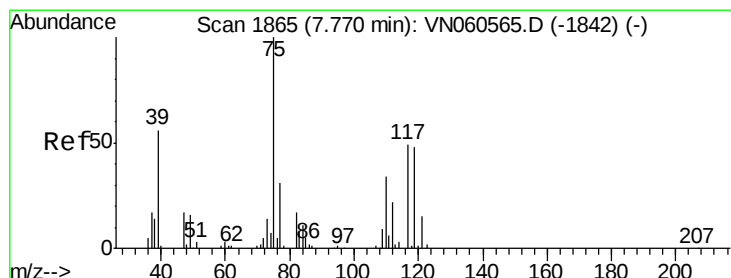
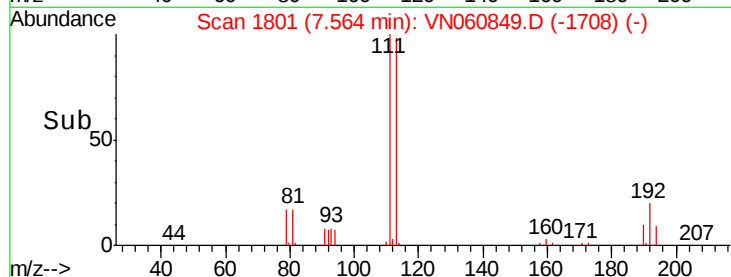
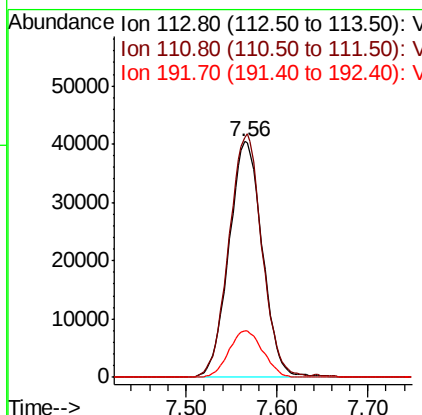
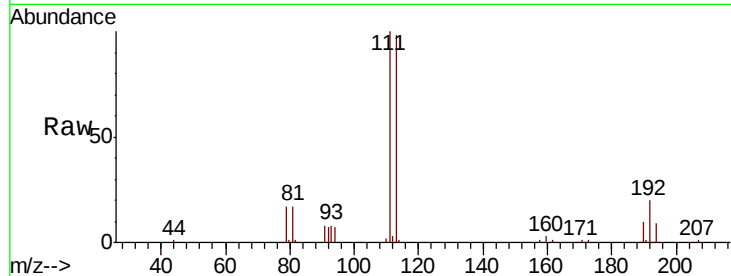




#35
 Dibromofluoromethane
 Concen: 49.694 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

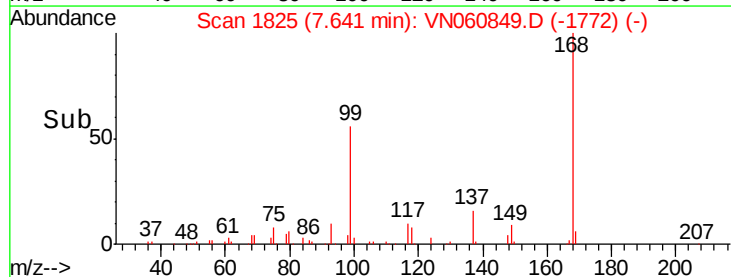
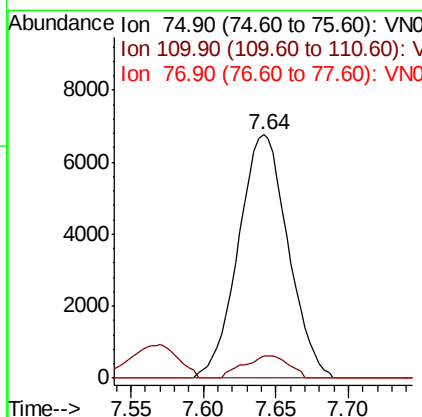
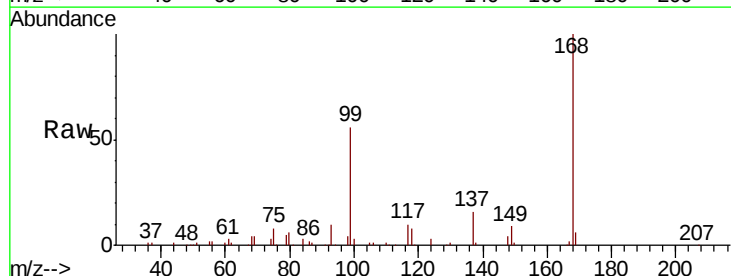
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

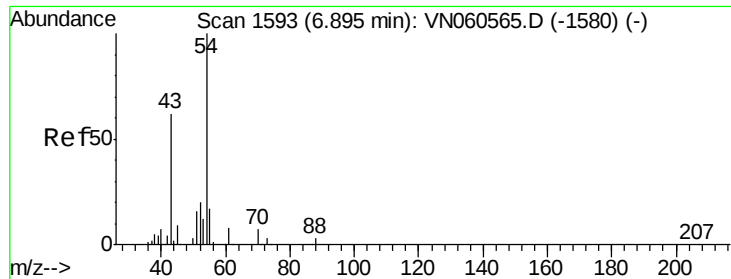
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.1	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.9	50.6#
77	0.0	24.6	36.8#

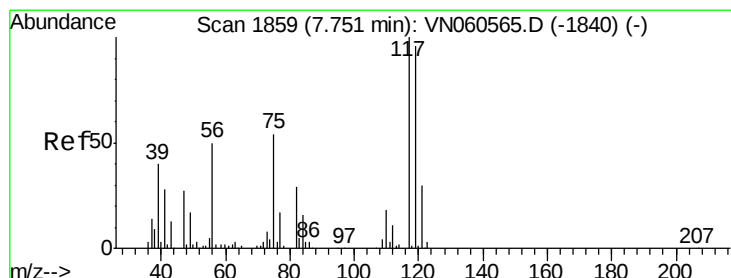
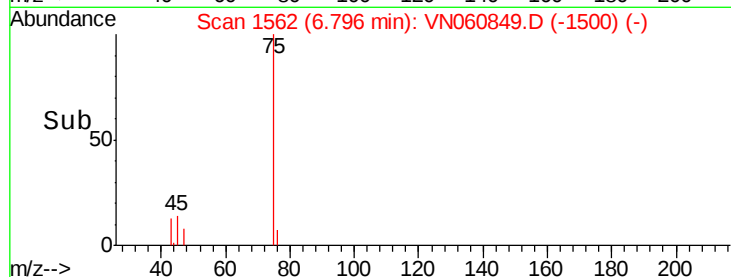
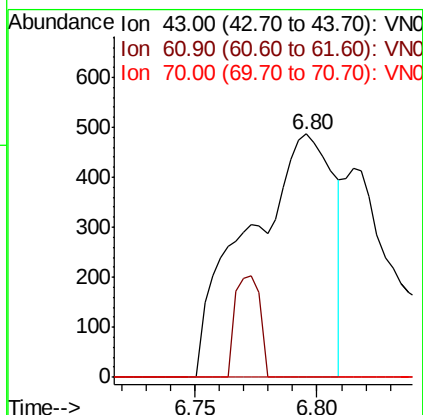
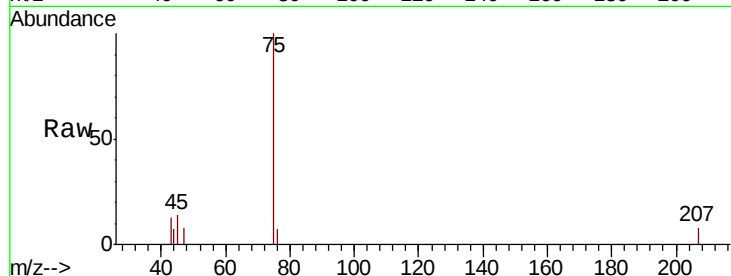




#37
Ethyl Acetate
Concen: 0.329 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

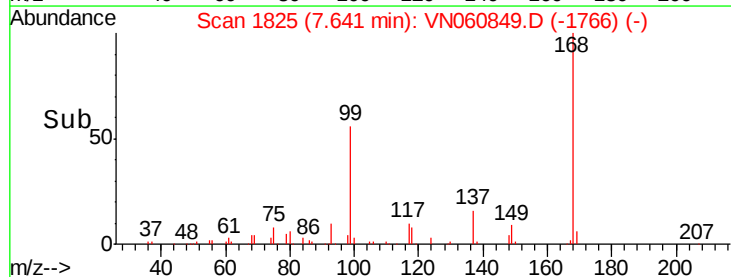
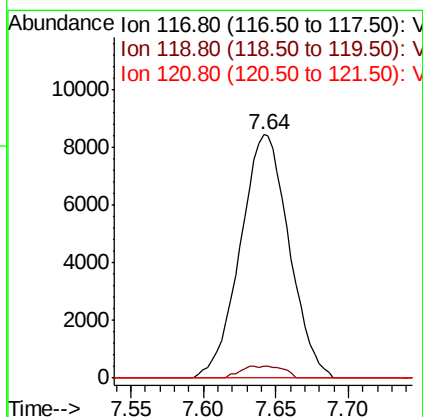
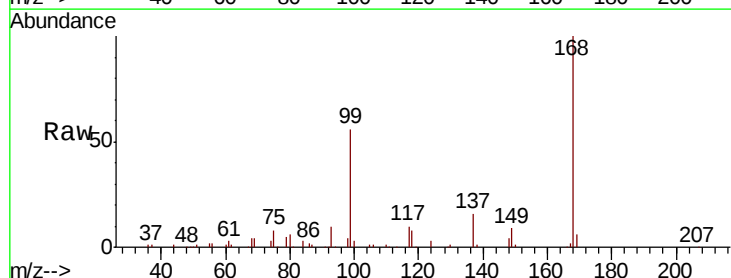
Instrument :
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ClientSampleId :
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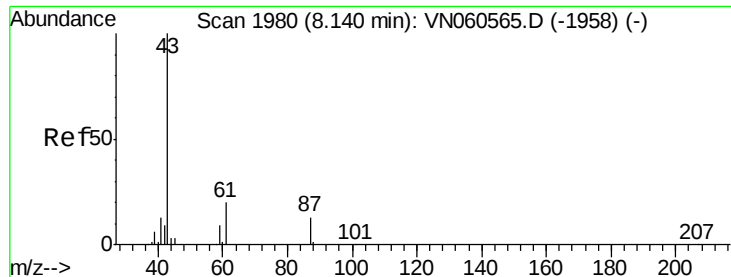
Tot Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.622 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion: 117 Resp: 19729
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.392 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060849.D

Acq: 6 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

TP-4

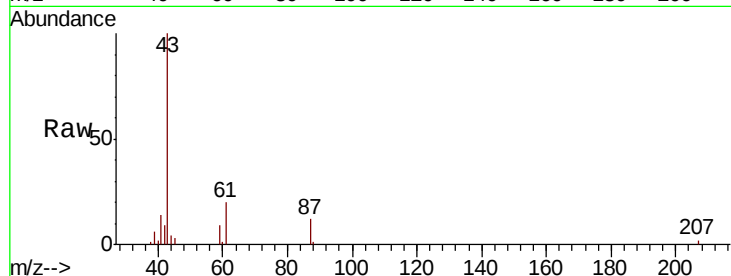
Tot Ion: 43 Resp: 55641

Ion Ratio Lower Upper

43 100

61 19.4 20.7 31.1#

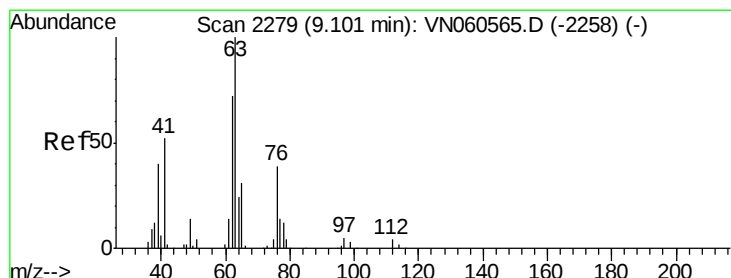
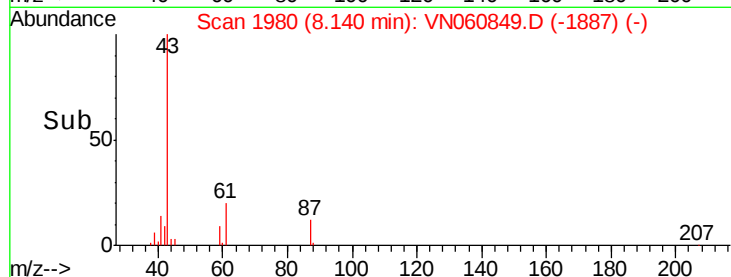
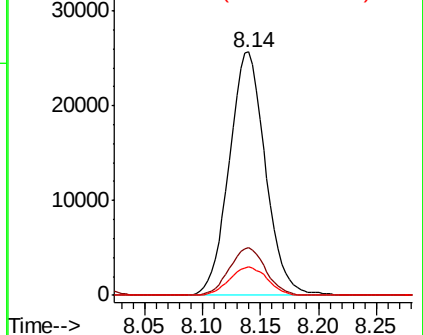
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#45

1,2-Dichloropropane

Concen: 0.381 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060849.D

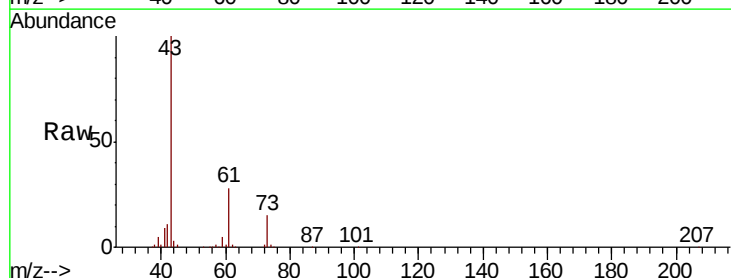
Acq: 6 Apr 2020 14:27

Tgt Ion: 63 Resp: 1009

Ion Ratio Lower Upper

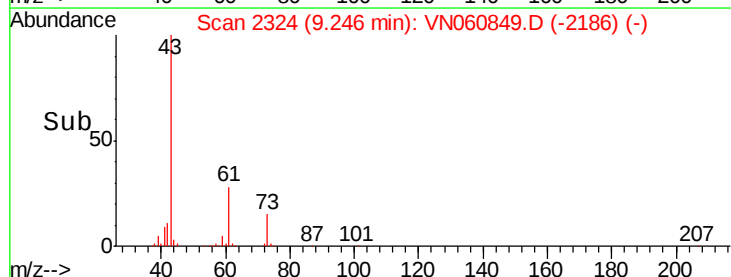
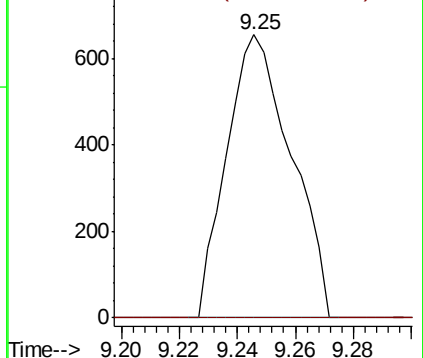
63 100

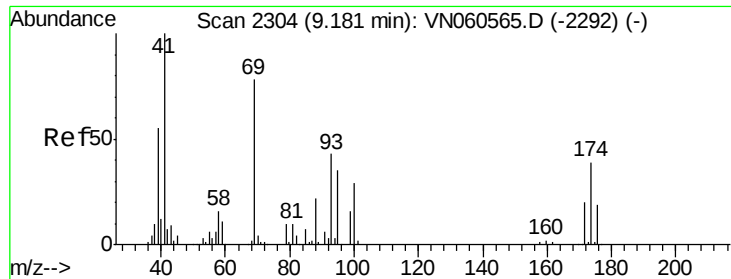
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060565.D (-2258) (-)

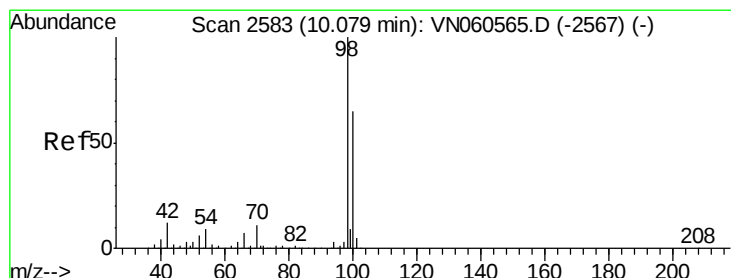
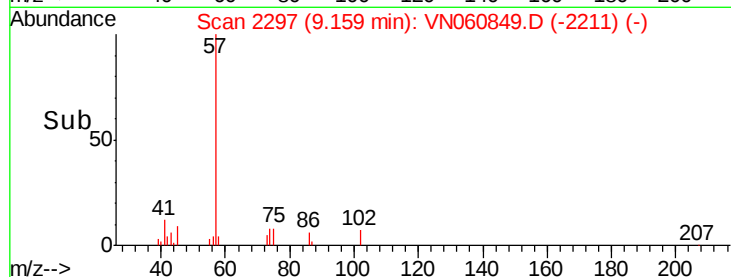
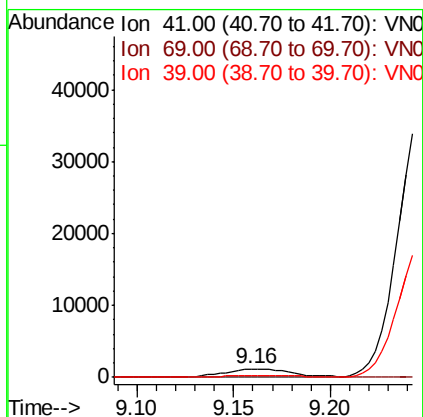
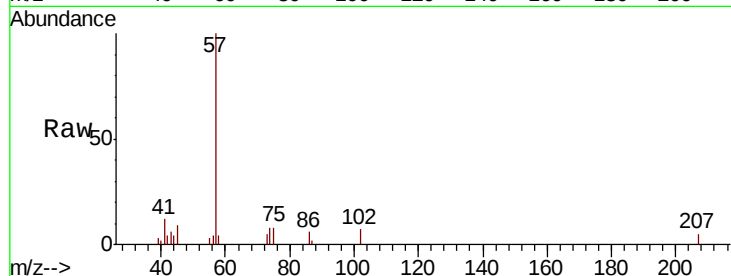




#48
Methvl methacrylate
Concen: 1.014 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

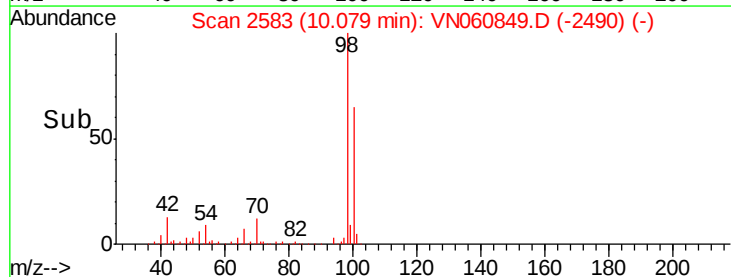
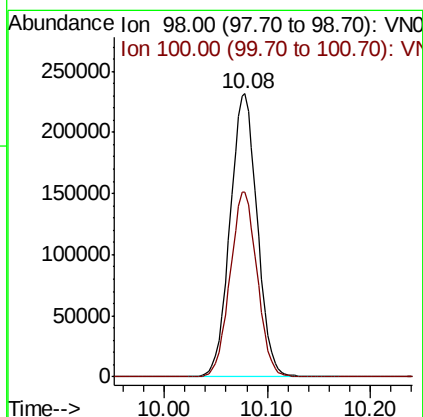
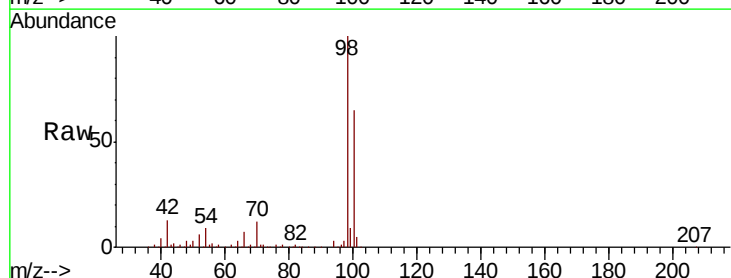
Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 41 Resp: 2674
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.073 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion: 98 Resp: 424596
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.316 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060849.D

Acq: 6 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampled :

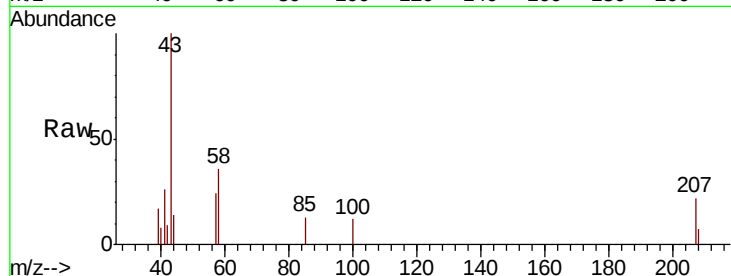
TP-4

Tot Ion: 43 Resp: 4437

Ion Ratio Lower Upper

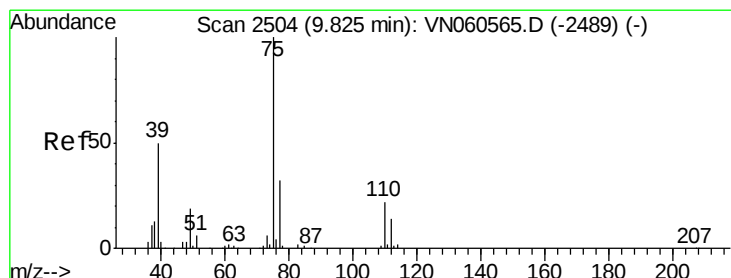
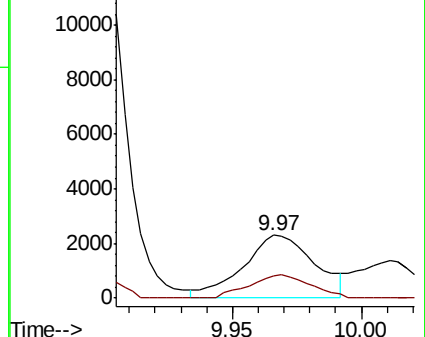
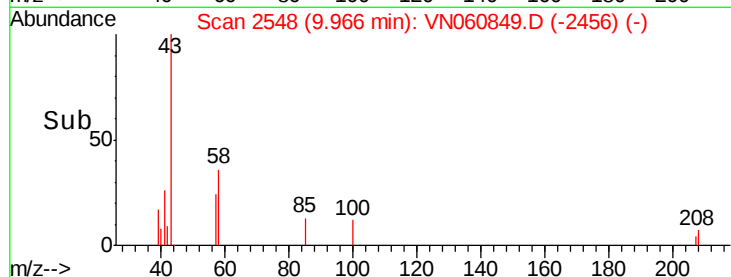
43 100

58 32.1 30.8 46.2



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

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.386 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060849.D

Acq: 6 Apr 2020 14:27

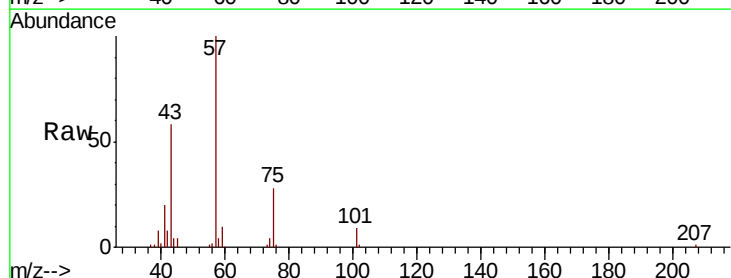
Tgt Ion: 75 Resp: 22579

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

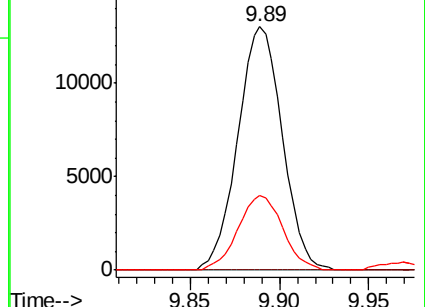
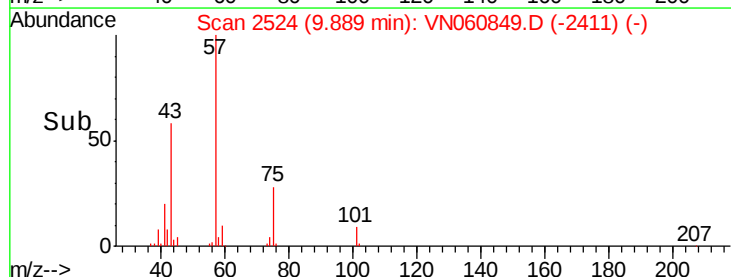
39 30.7 40.2 60.4#

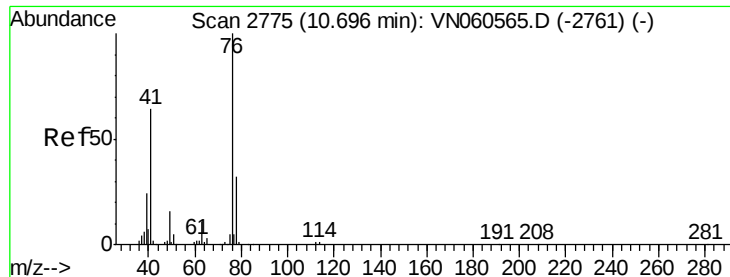


Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)

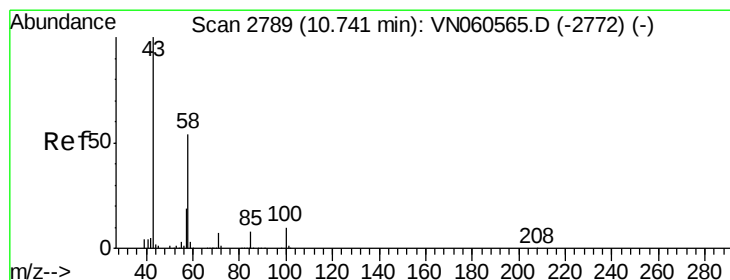
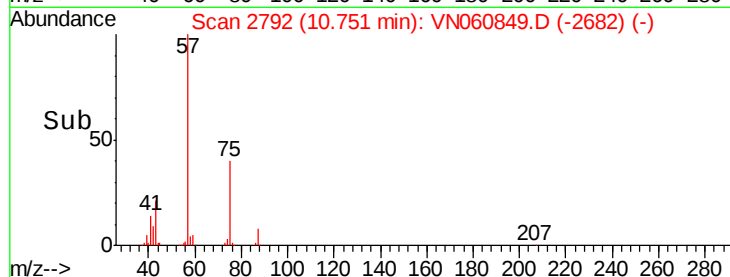
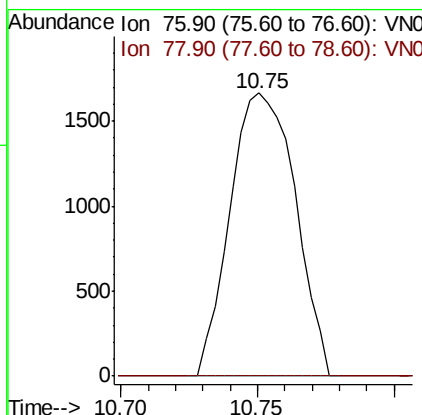
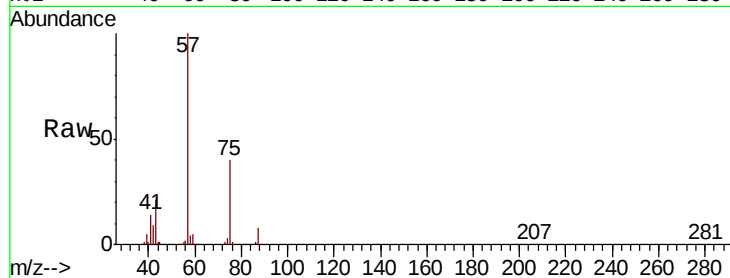




#57
 1,3-Dichloropropane
 Concen: 0.684 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.05 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

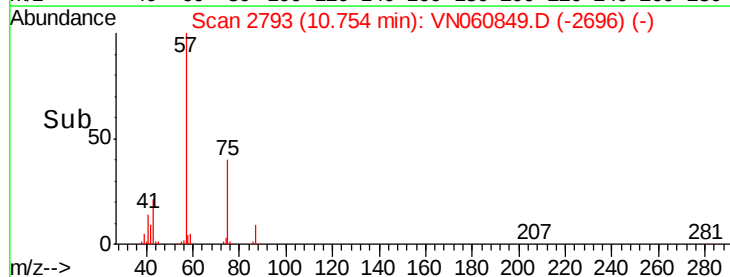
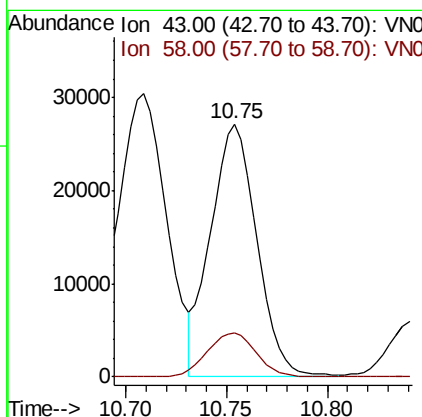
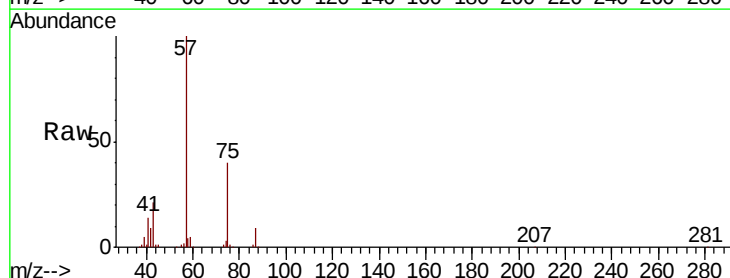
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

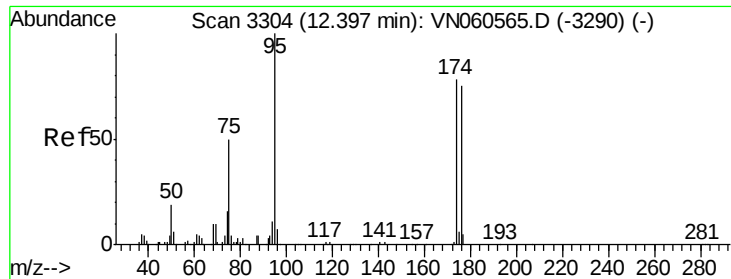
Tot Ion: 76 Resp: 2768
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 17.849 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060849.D
 Acq: 6 Apr 2020 14:27

Tgt Ion: 43 Resp: 43343
 Ion Ratio Lower Upper
 43 100
 58 18.2 26.7 80.1#

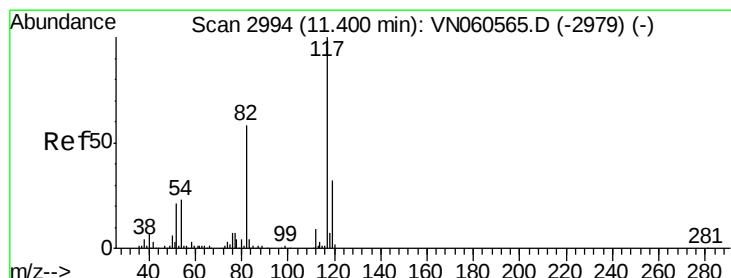
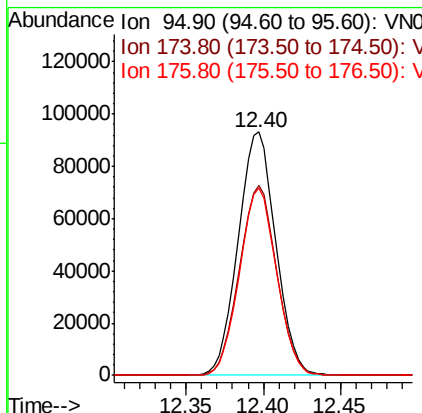
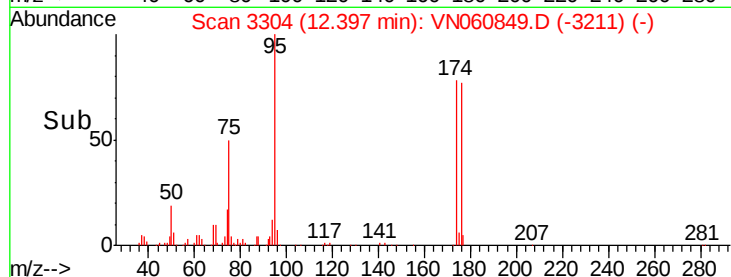
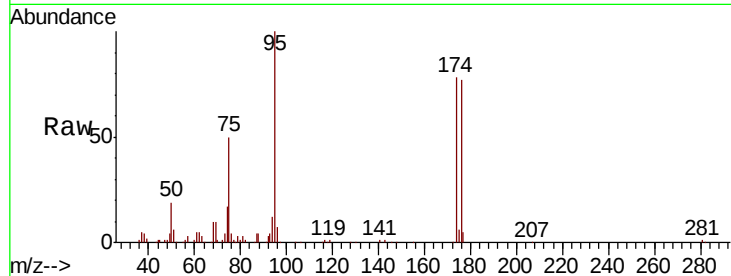




#62
4-Bromofluorobenzene
Concen: 50.690 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

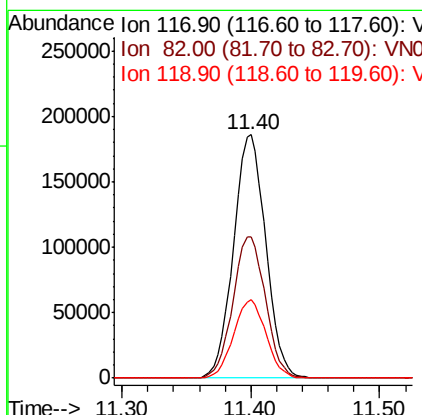
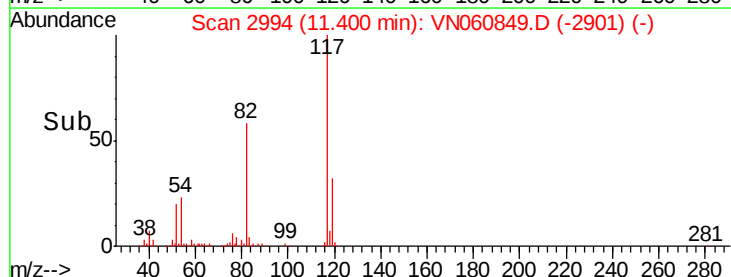
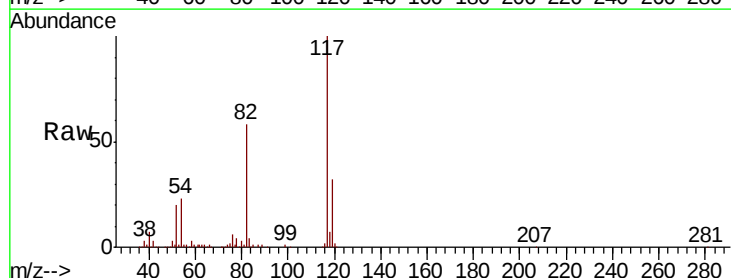
Instrument :
MSVOA_N
ClientSampled :
TP-4

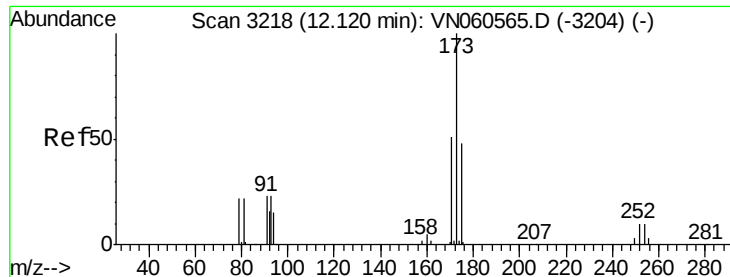
Tot Ion: 95 Resp: 157525
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.6
176 75.9 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion: 117 Resp: 323299
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.0 25.5 38.3

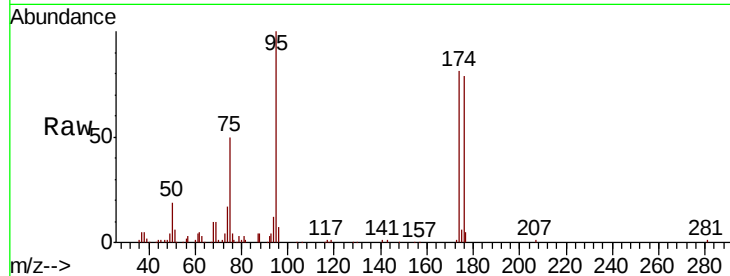




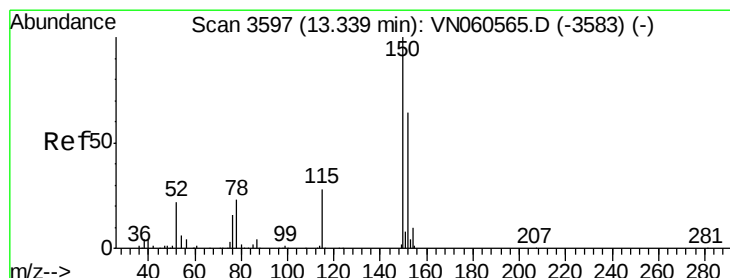
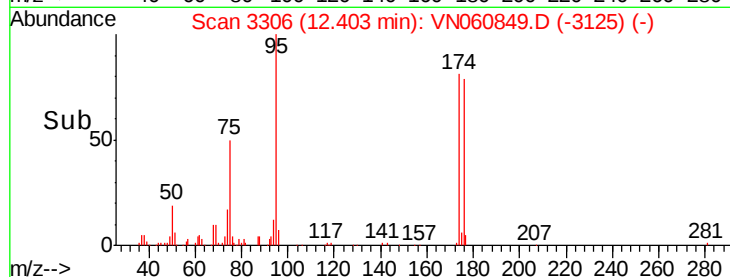
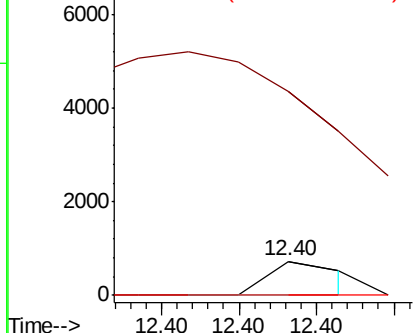
#71
Bromoform
Concen: 1.800 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tot Ion:173 Resp: 239
Ion Ratio Lower Upper
173 100
175 3233.1 24.1 72.4#
254 0.0 0.0 0.0

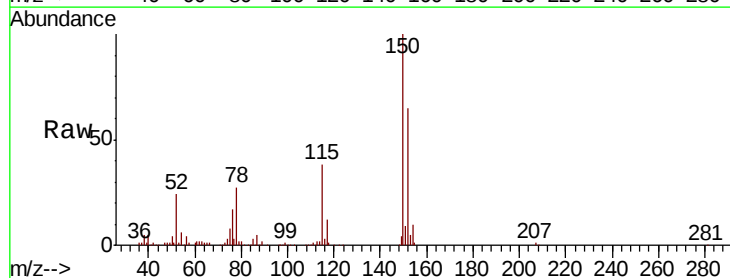


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

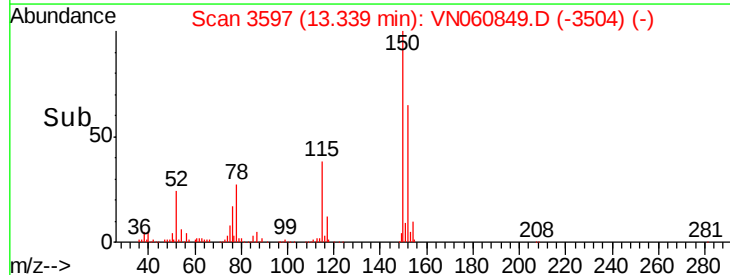
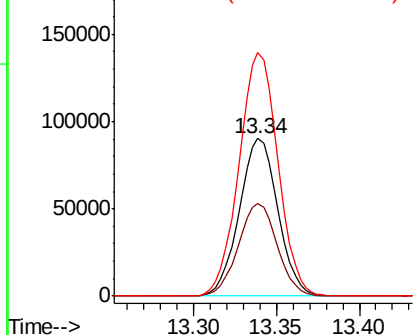


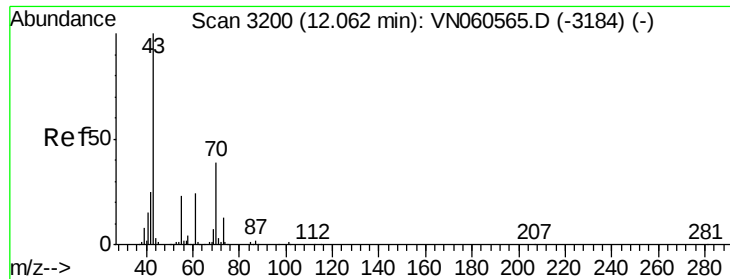
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion:152 Resp: 145673
Ion Ratio Lower Upper
152 100
115 59.1 30.2 90.6
150 156.3 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

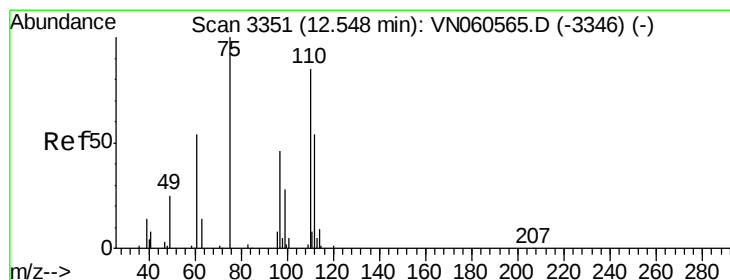
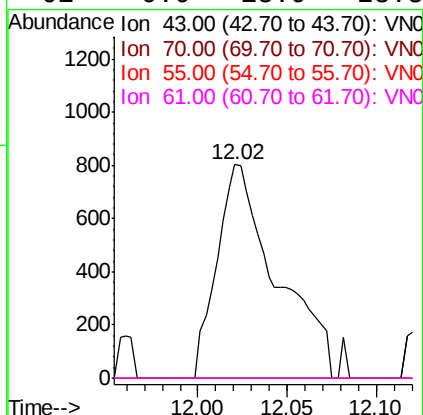
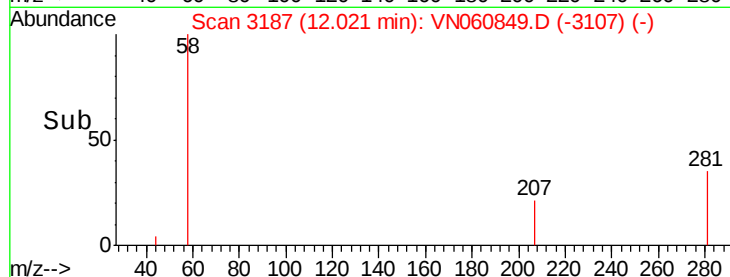
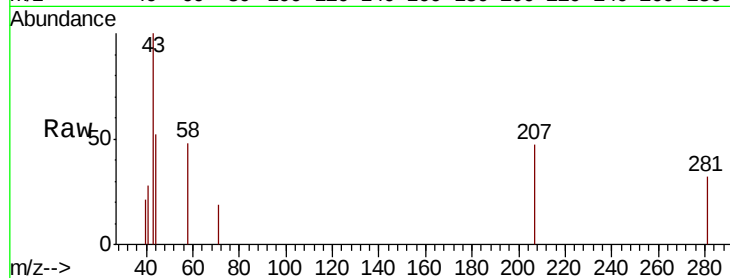




#74
N-amyl acetate
Concen: 0.369 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

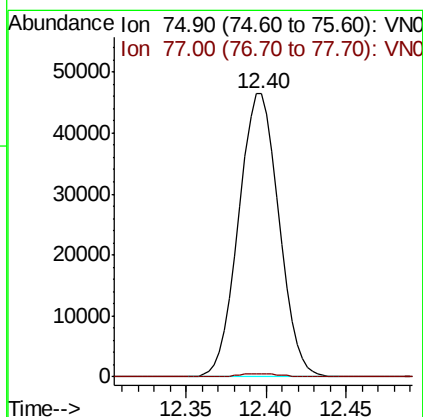
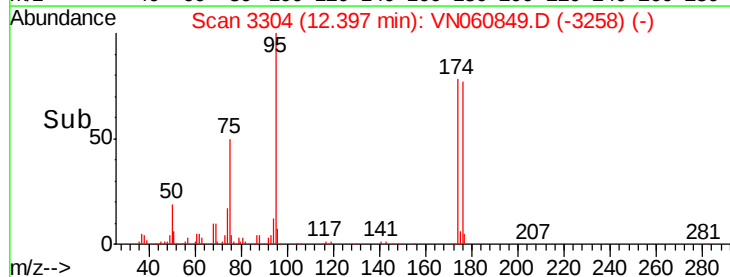
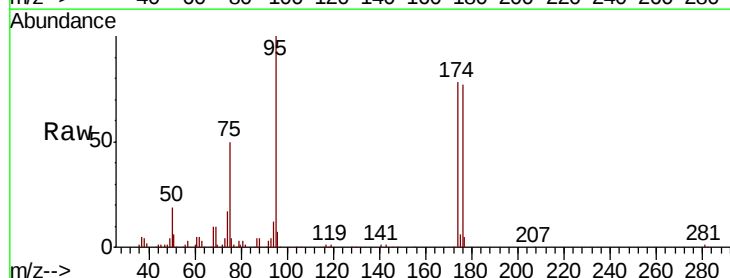
Instrument :
MSVOA_N
ClientSampled :
TP-4

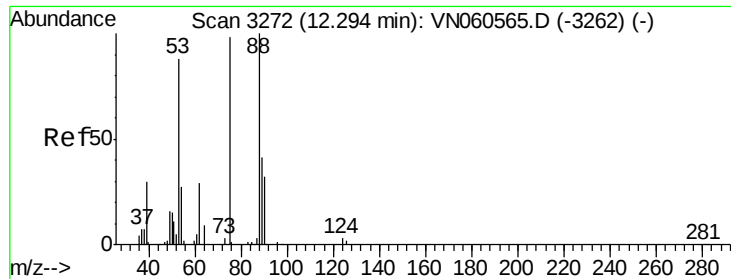
Tot Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 25.472 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060849.D
Acq: 6 Apr 2020 14:27

Tgt Ion: 75 Resp: 80068
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.421 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060849.D

Acq: 6 Apr 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion: 75 Resp: 80068

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

