

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060748.D
 Acq On : 27 Mar 2020 17:49
 Operator : JC/MD
 Sample : PB127814ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#13

Quant Time: Mar 28 02:01:44 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

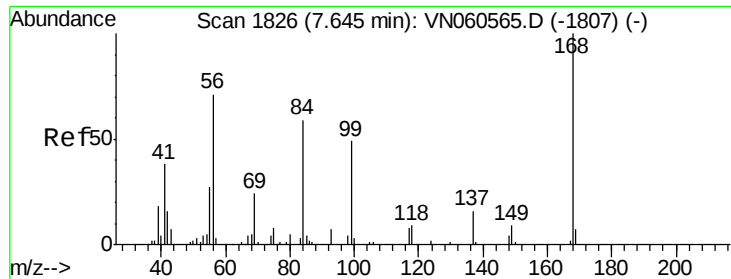
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	329951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147791	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	128334	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.56	113	98376	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	10.08	98	411894	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	157113	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6078	6.397	ug/l	91
18) Methyl Acetate	4.29	43	1822	0.681	ug/l #	54
20) Methylene Chloride	4.53	84	4154	1.777	ug/l	98
25) 2-Butanone	6.80	43	1828	1.189	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	776	0.230	ug/l #	53
31) Cyclohexane	7.64	56	3995	0.925	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15729	4.923	ug/l #	49
37) Ethyl Acetate	6.80	43	1828	0.530	ug/l #	80
38) Carbon Tetrachloride	7.64	117	18534	6.473	ug/l #	16
43) Isopropyl Acetate	8.14	43	58289	10.238	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1098	0.431	ug/l #	43
48) Methyl methacrylate	9.16	41	3091	1.219	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4284	1.322	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	24895	6.179	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4055	1.043	ug/l #	42
59) 2-Hexanone	10.75	43	58844	25.214	ug/l #	52
71) Bromoform	12.40	173	249	1.810	ug/l #	1
74) N-amyl acetate	12.02	43	3121	0.609	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	79987	25.082	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3146	0.334	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	79987	64.418	ug/l #	13

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
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Acq On    : 27 Mar 2020  17:49
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Sample    : PB127814ZHE#13
Misc      : 5.00mL/MSVOA_N/WATER
ALS Vial  : 19    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

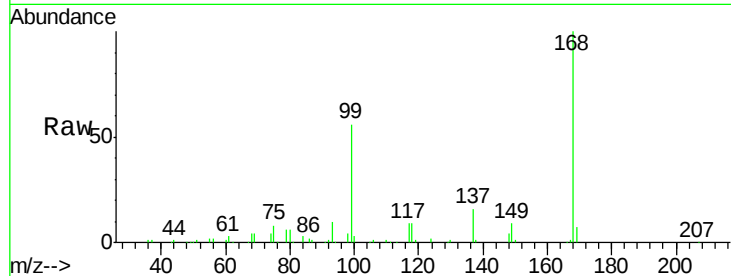
PB127814ZHE#13

Tgt Ion:168 Resp: 195409

Ion Ratio Lower Upper

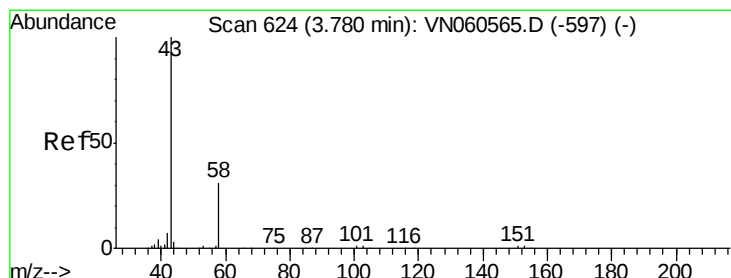
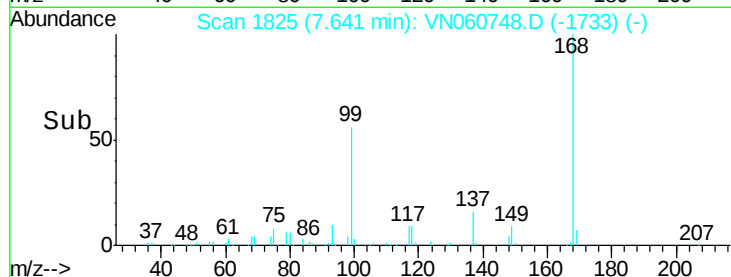
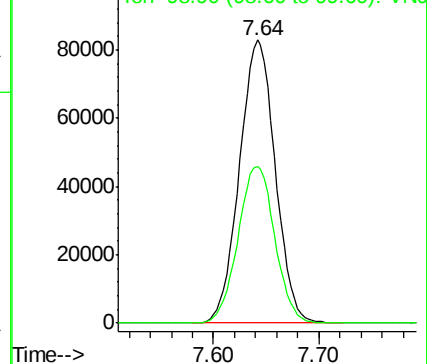
168 100

99 55.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 6.397 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060748.D

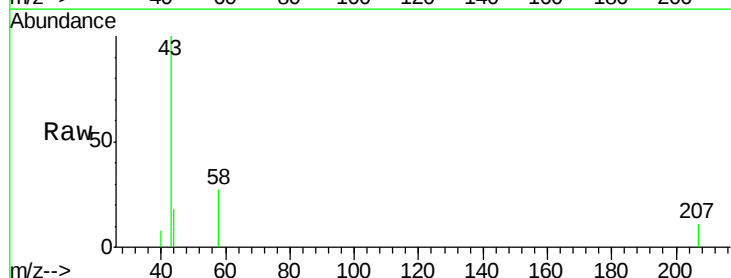
Acq: 27 Mar 2020 17:49

Tgt Ion: 43 Resp: 6078

Ion Ratio Lower Upper

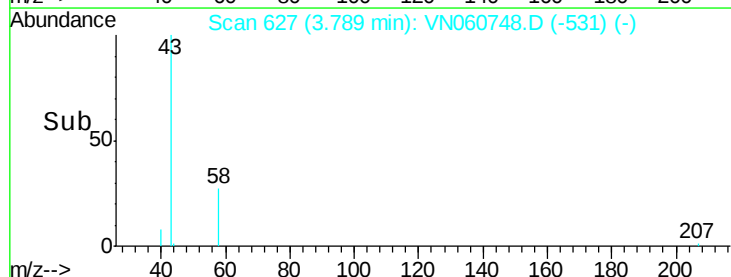
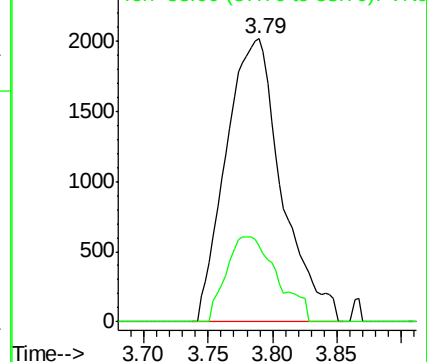
43 100

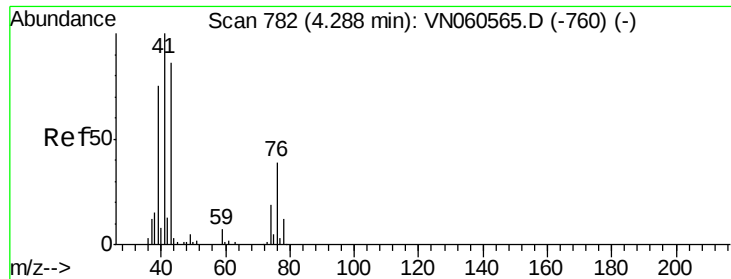
58 26.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

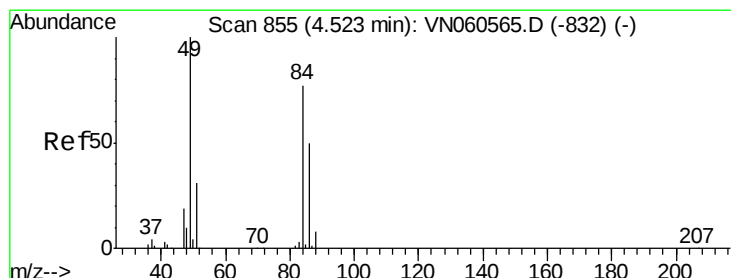
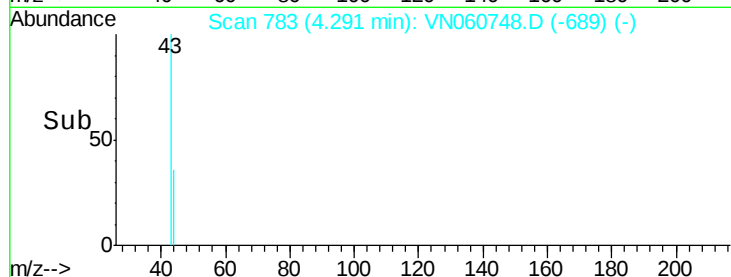
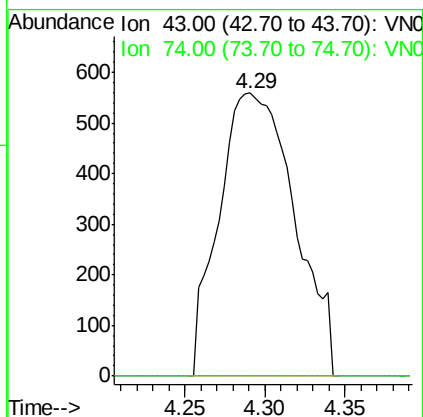
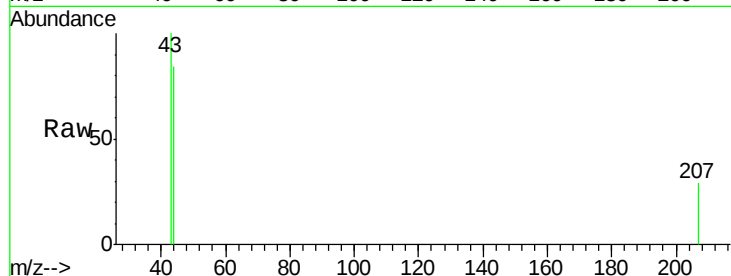




#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

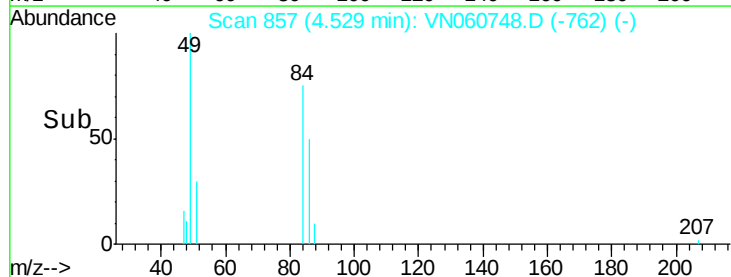
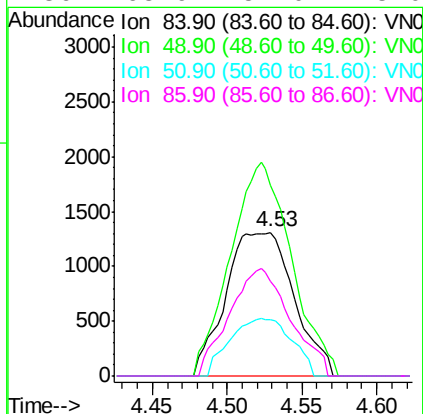
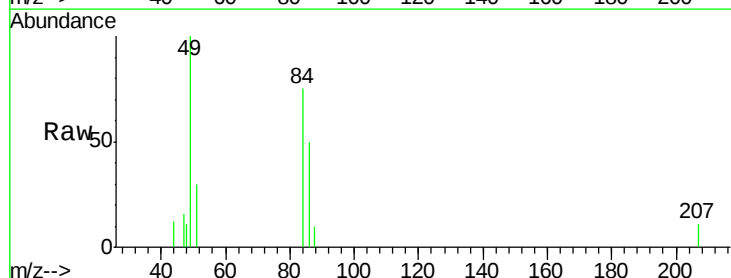
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#13

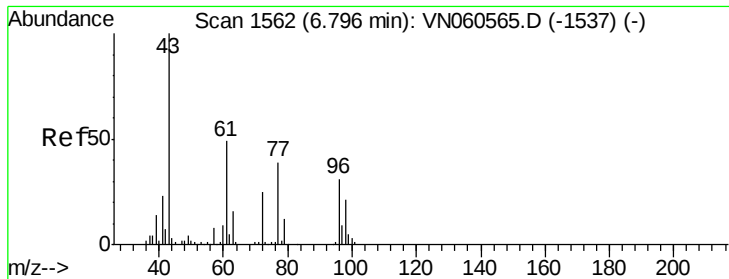
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.777 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

Tgt Ion: 84 Resp: 4154
Ion Ratio Lower Upper
84 100
49 132.9 103.3 154.9
51 39.4 31.6 47.4
86 65.9 52.0 78.0





#25

2-Butanone

Concen: 1.189 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

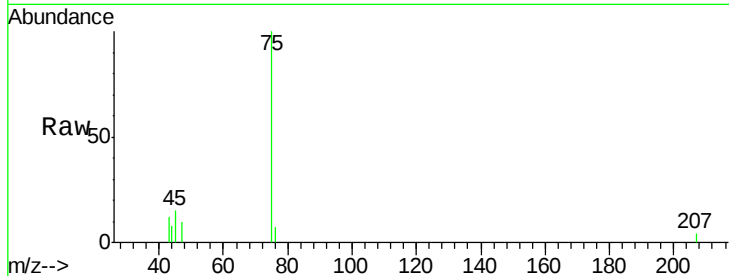
PB127814ZHE#13

Tgt Ion: 43 Resp: 1828

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

6.80

500

400

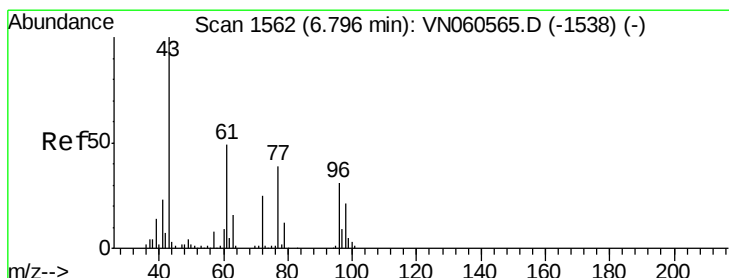
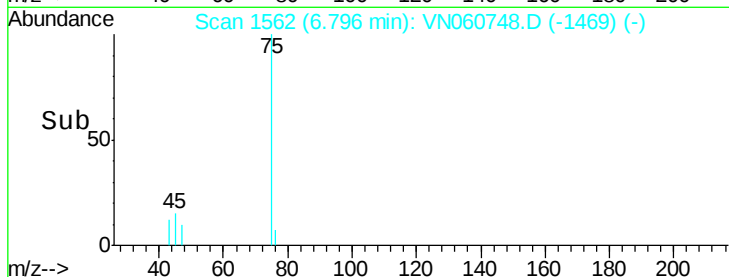
300

200

100

0

Time-->



#26

2,2-Dichloropropane

Concen: 0.230 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.03 min

Lab File: VN060748.D

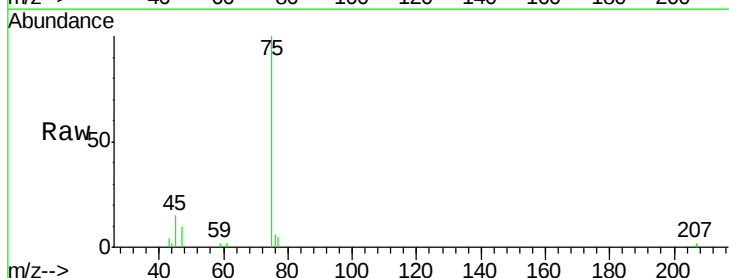
Acq: 27 Mar 2020 17:49

Tgt Ion: 77 Resp: 776

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

400

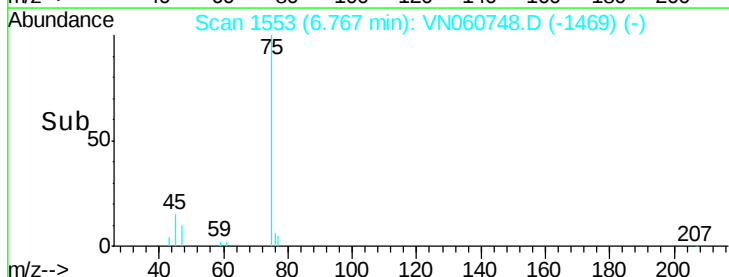
300

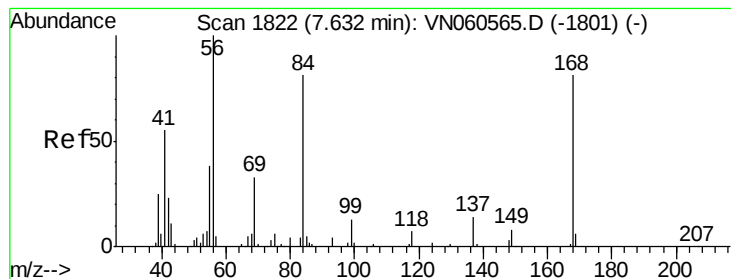
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.925 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

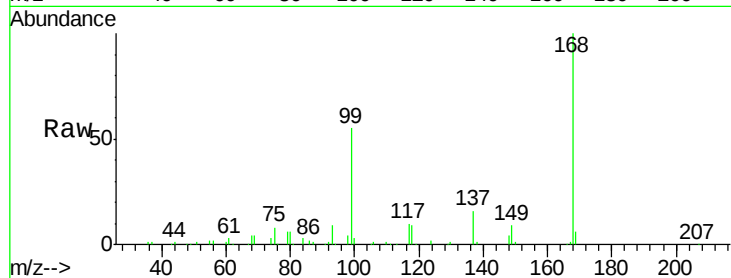
Tgt Ion: 56 Resp: 3995

Ion Ratio Lower Upper

56 100

69 178.2 26.6 40.0#

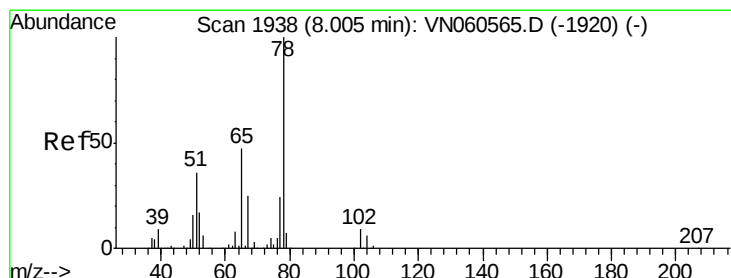
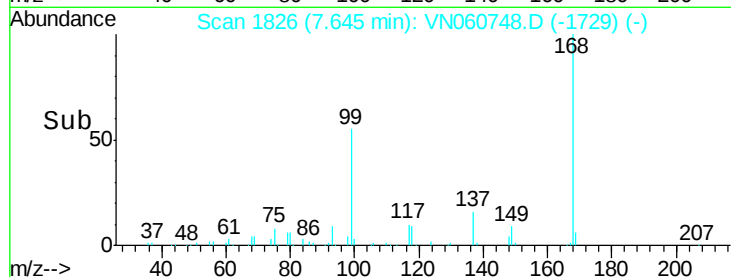
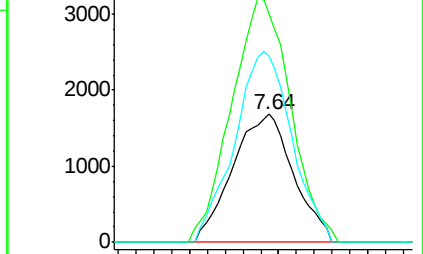
84 145.9 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060748.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060748.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060748.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.841 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060748.D

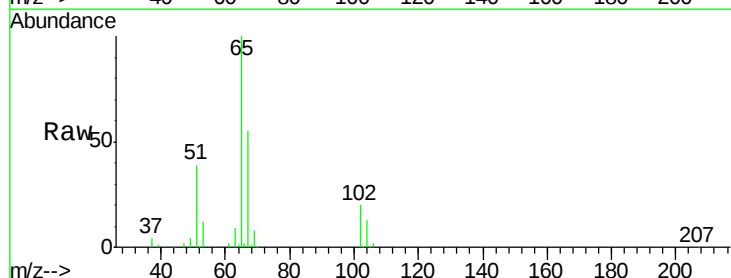
Acq: 27 Mar 2020 17:49

Tgt Ion: 65 Resp: 128334

Ion Ratio Lower Upper

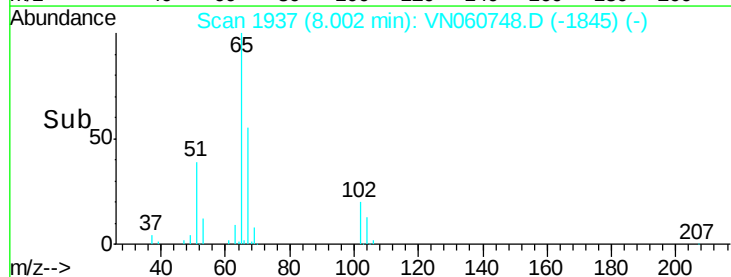
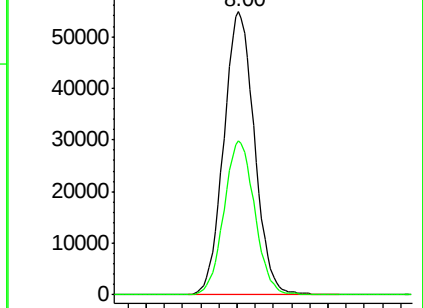
65 100

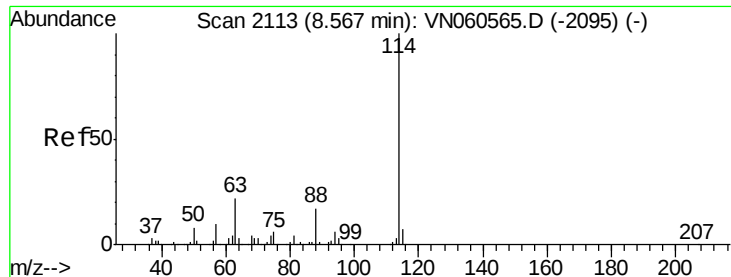
67 54.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060748.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060748.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: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

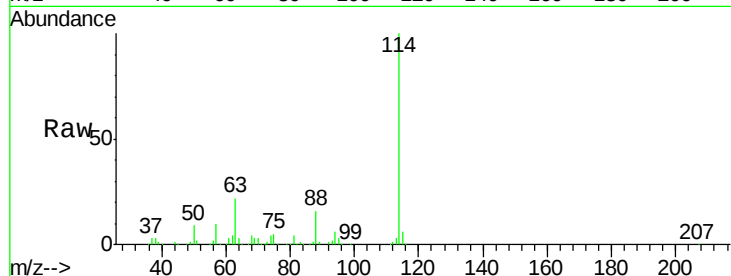
Tgt Ion:114 Resp: 329951

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

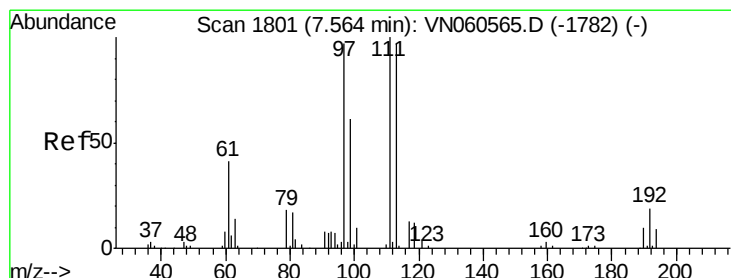
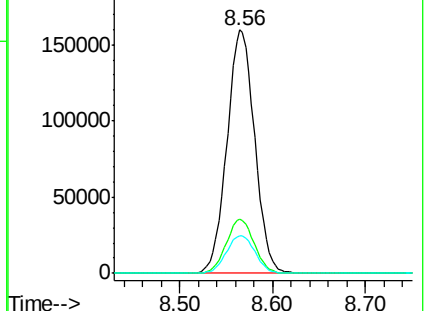
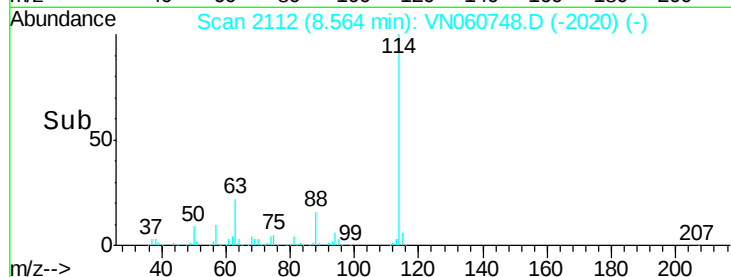
88 15.6 0.0 33.0



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: 49.309 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

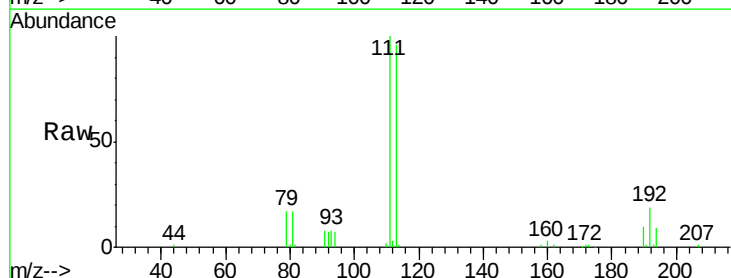
Tgt Ion:113 Resp: 98376

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

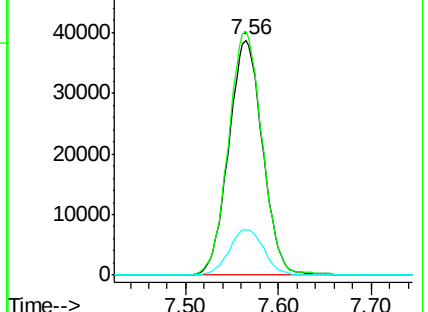
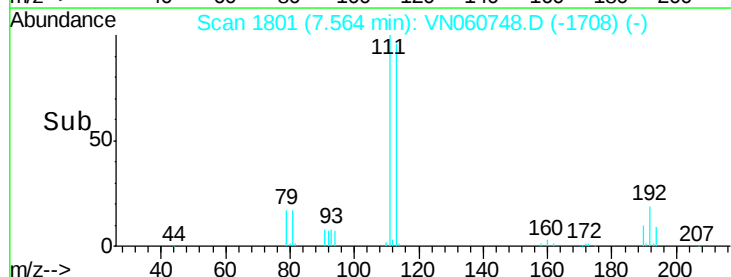
192 19.8 15.8 23.8

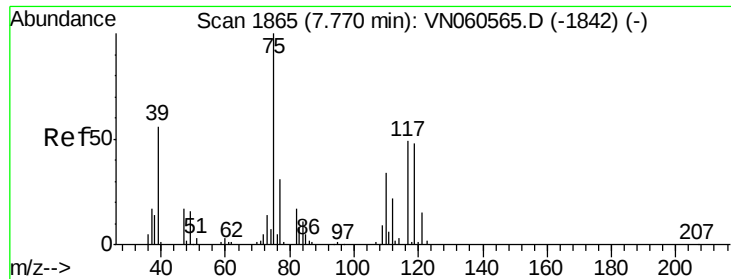


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

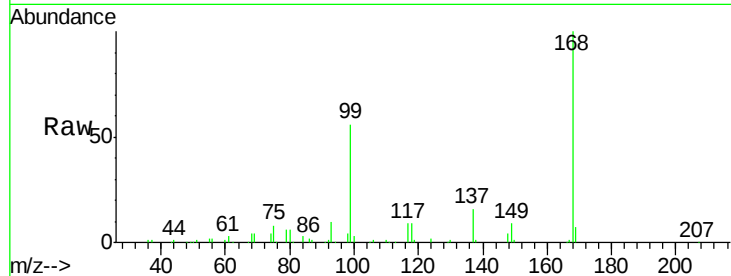
Tgt Ion: 75 Resp: 15729

Ion Ratio Lower Upper

75 100

110 7.1 16.9 50.6#

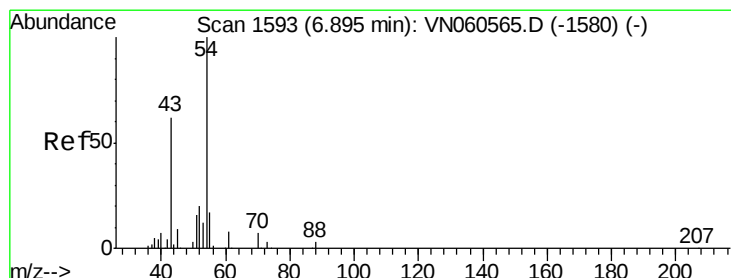
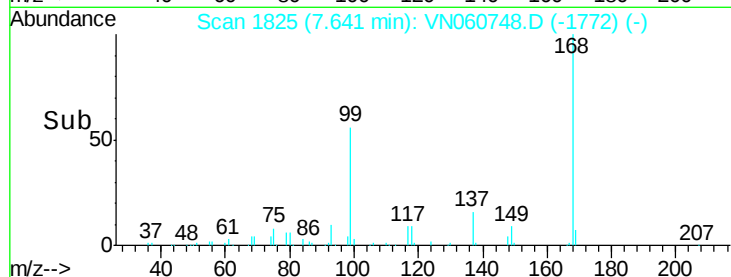
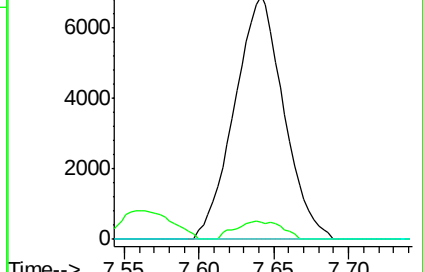
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060748.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060748.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060748.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.530 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

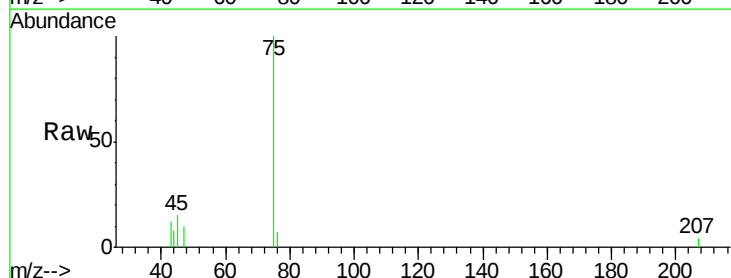
Tgt Ion: 43 Resp: 1828

Ion Ratio Lower Upper

43 100

61 19.4 10.6 15.8#

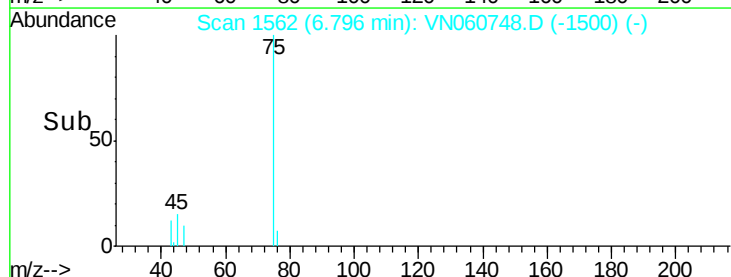
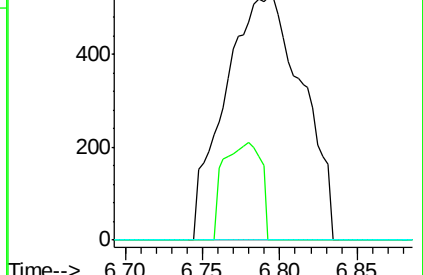
70 0.0 7.9 11.9#

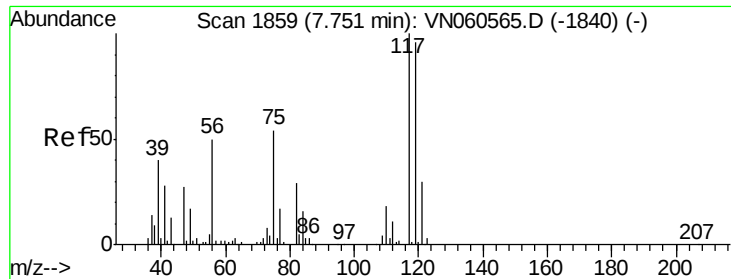


Abundance Ion 43.00 (42.70 to 43.70): VN060748.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060748.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060748.D (-1500) (-)





#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

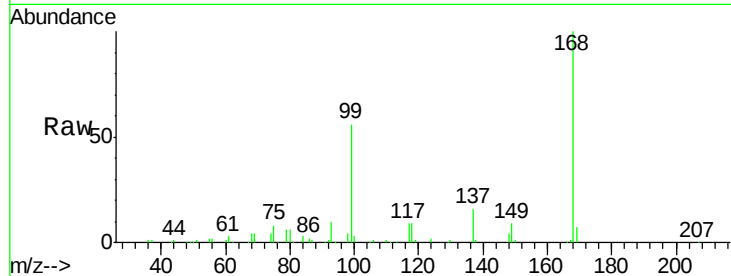
Tgt Ion:117 Resp: 18534

Ion Ratio Lower Upper

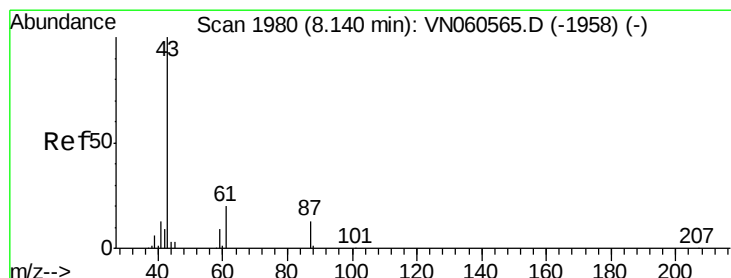
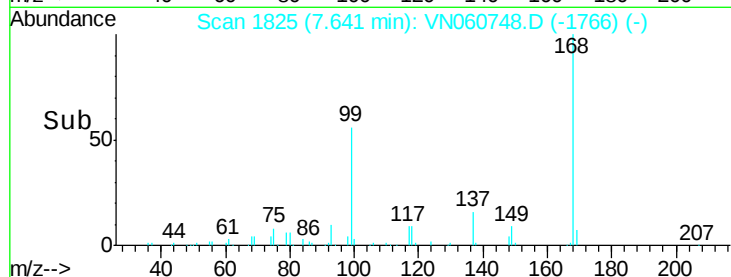
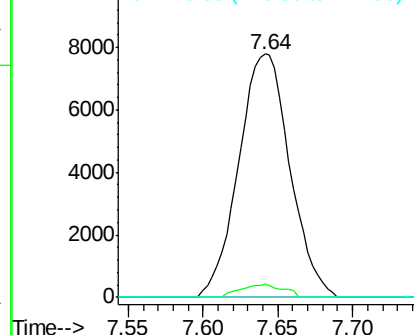
117 100

119 5.3 76.2 114.2#

121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.238 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

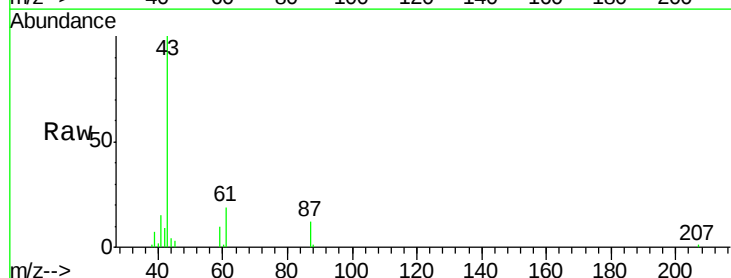
Tgt Ion: 43 Resp: 58289

Ion Ratio Lower Upper

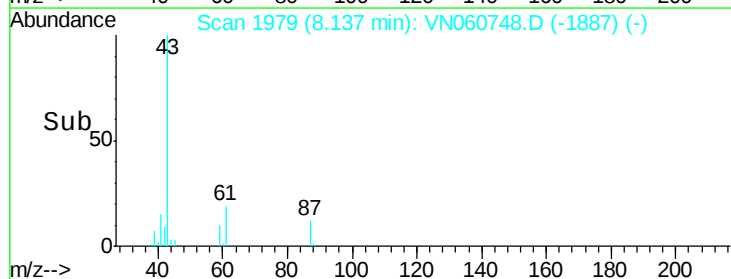
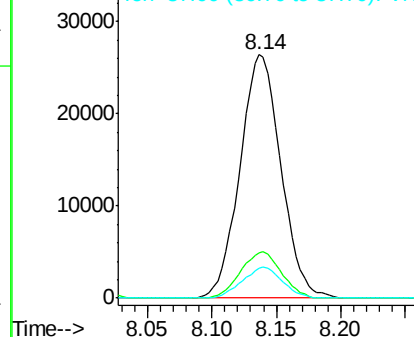
43 100

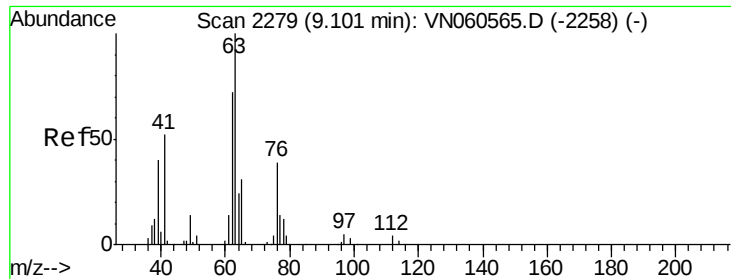
61 18.9 20.7 31.1#

87 12.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

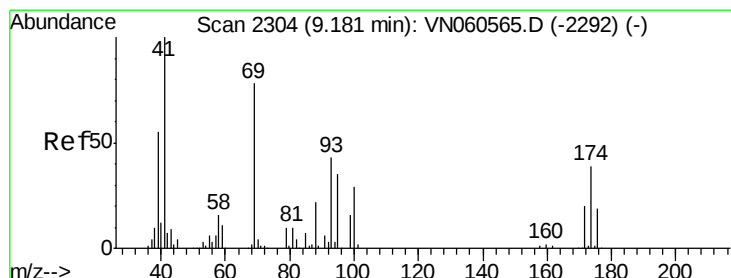
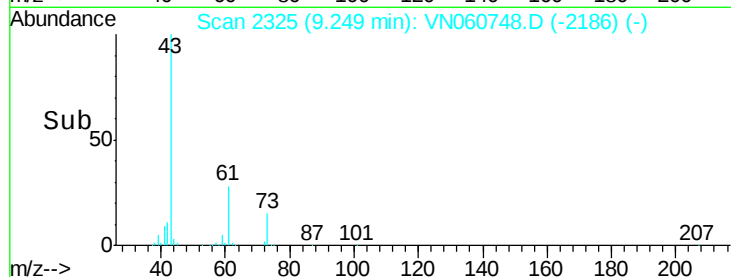
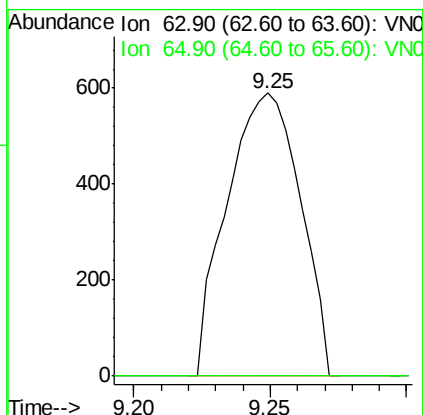
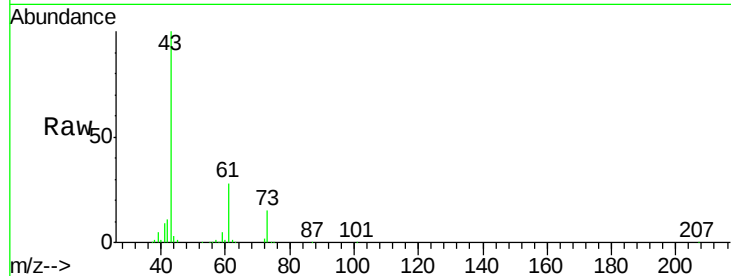




#45
 1,2-Dichloropropane
 Concen: 0.431 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060748.D
 Acq: 27 Mar 2020 17:49

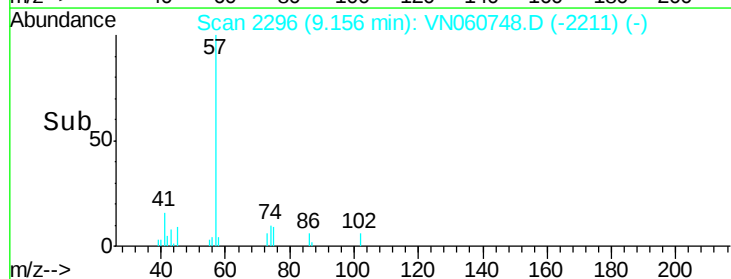
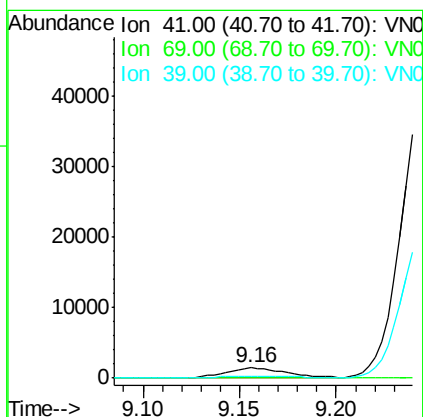
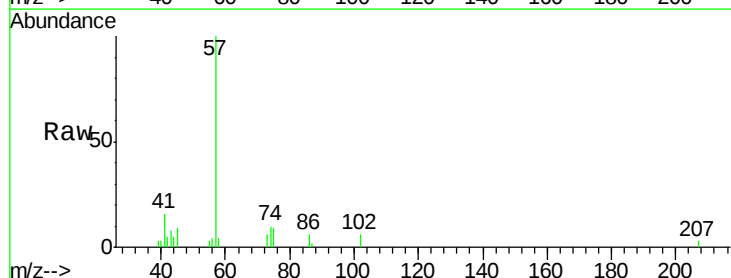
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#13

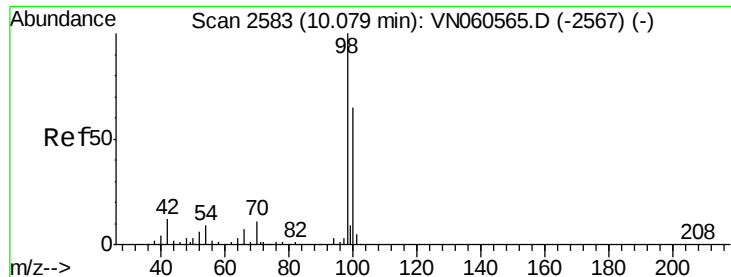
Tgt Ion: 63 Resp: 1098
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.219 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060748.D
 Acq: 27 Mar 2020 17:49

Tgt Ion: 41 Resp: 3091
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.544 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

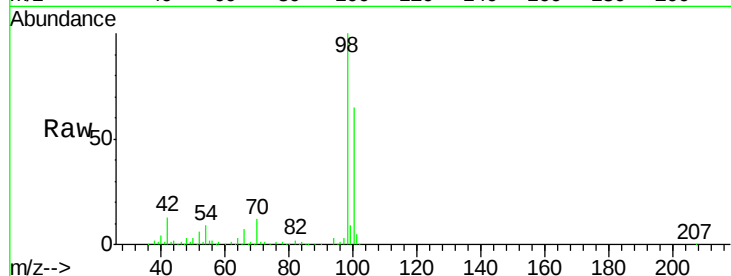
PB127814ZHE#13

Tgt Ion: 98 Resp: 411894

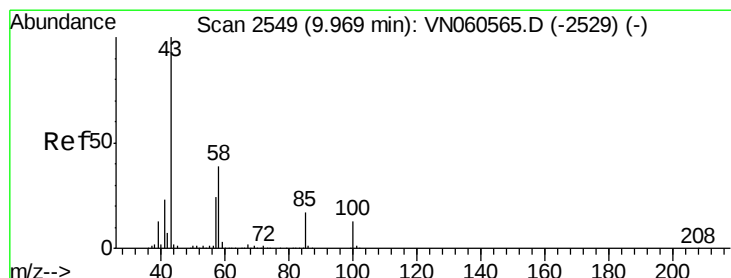
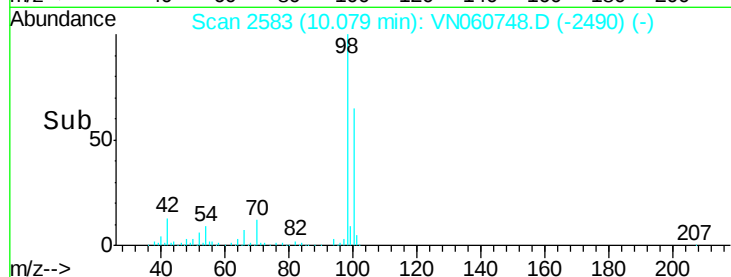
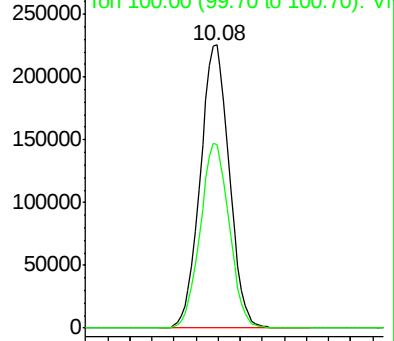
Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060748.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.322 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060748.D

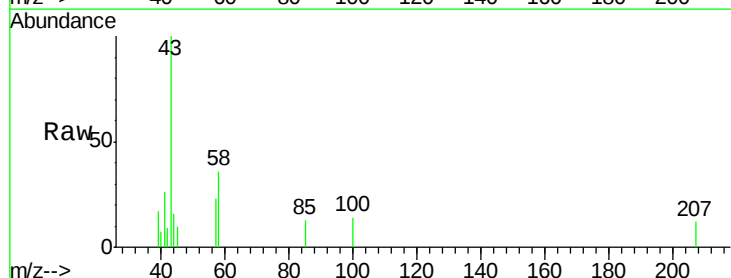
Acq: 27 Mar 2020 17:49

Tgt Ion: 43 Resp: 4284

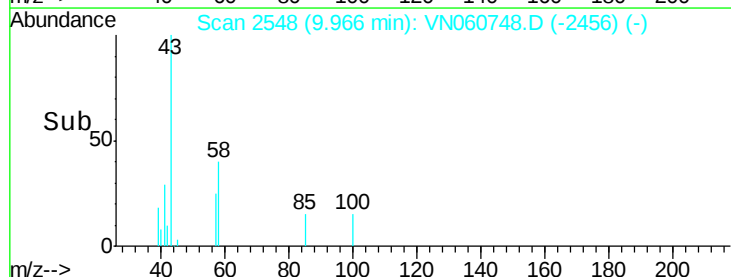
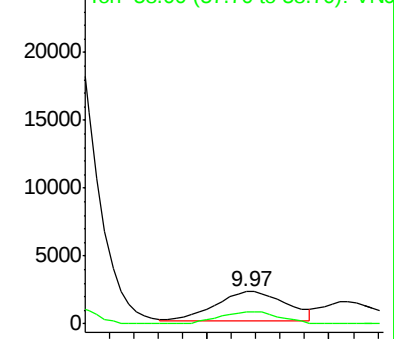
Ion Ratio Lower Upper

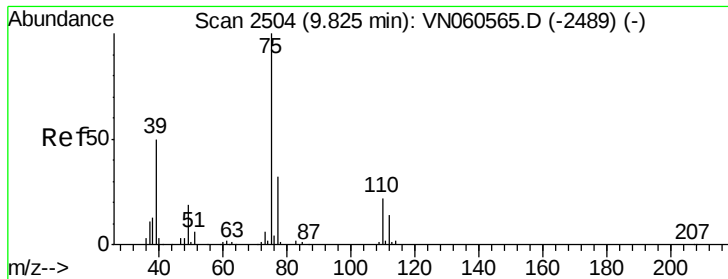
43 100

58 35.2 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060748.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.179 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

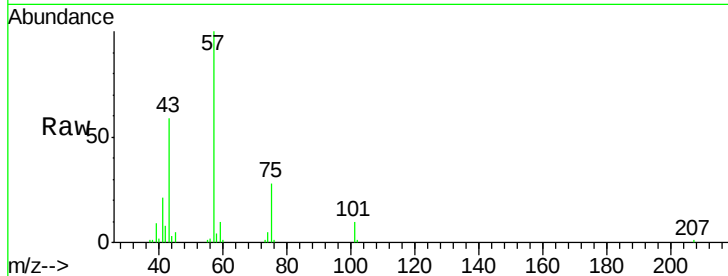
Tgt Ion: 75 Resp: 24895

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

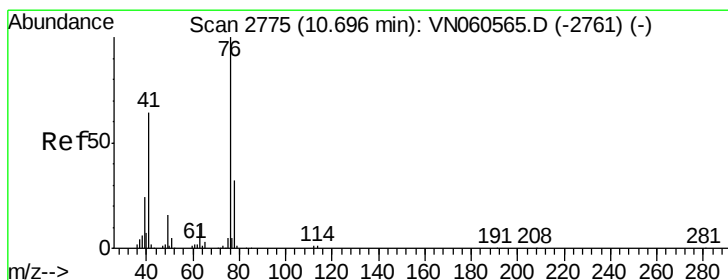
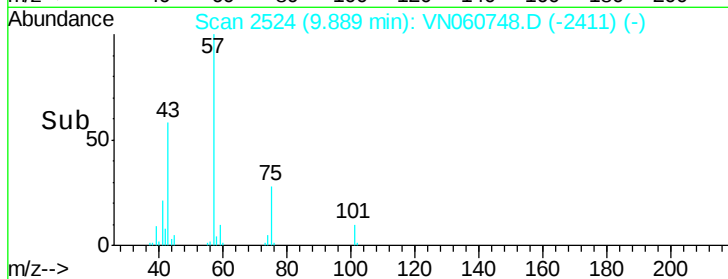
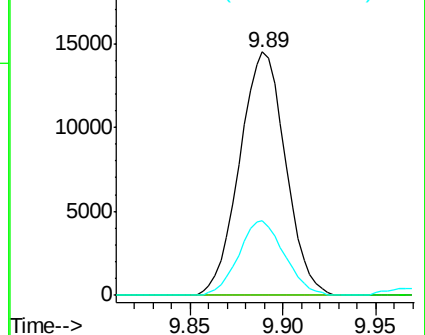
39 30.6 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060748.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060748.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060748.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 1.043 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060748.D

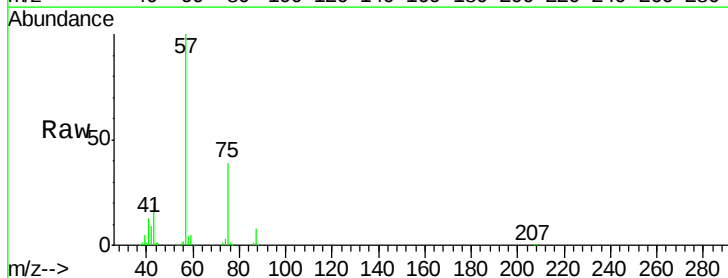
Acq: 27 Mar 2020 17:49

Tgt Ion: 76 Resp: 4055

Ion Ratio Lower Upper

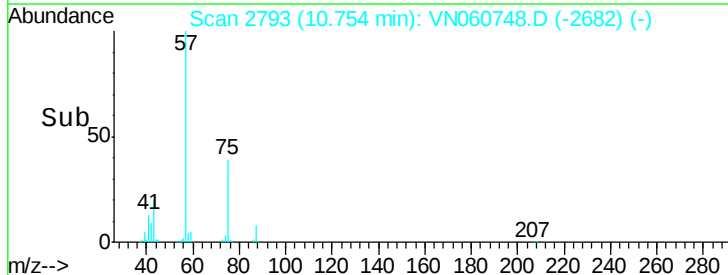
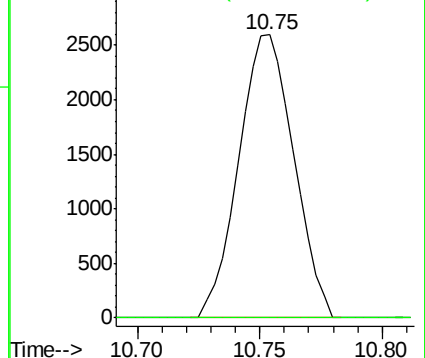
76 100

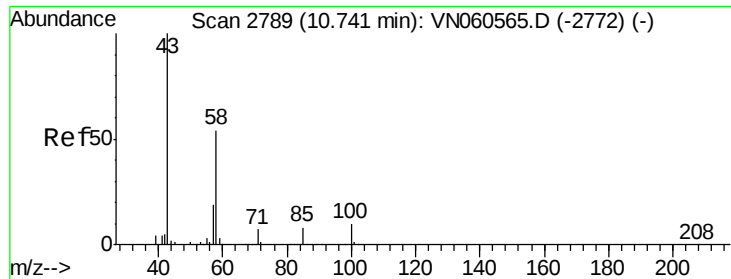
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060748.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060748.D (-2682) (-)

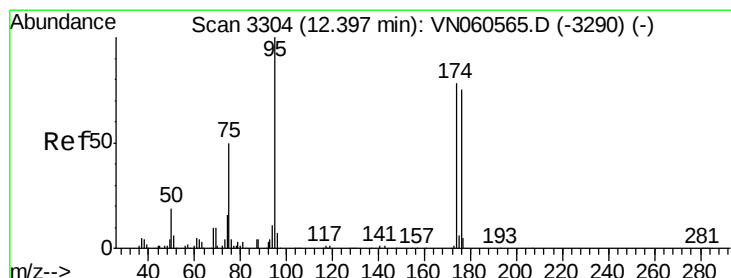
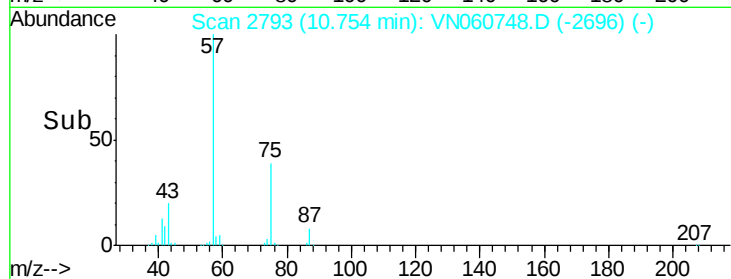
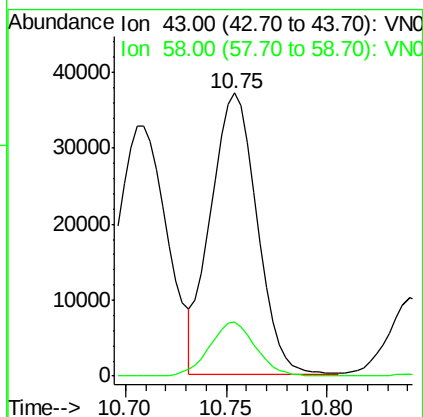
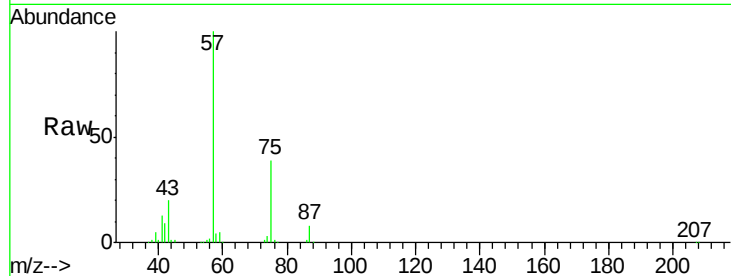




#59
2-Hexanone
Concen: 25.214 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

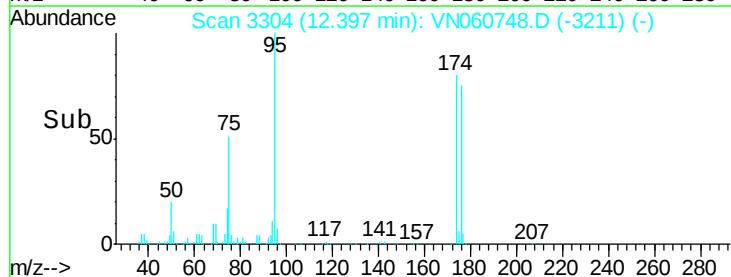
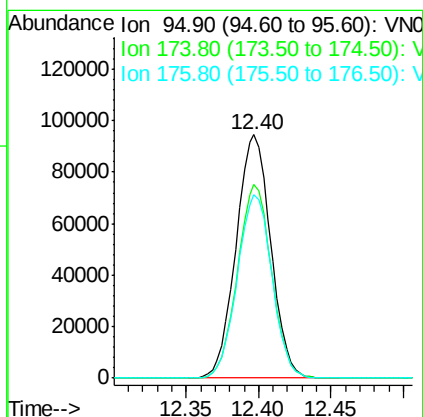
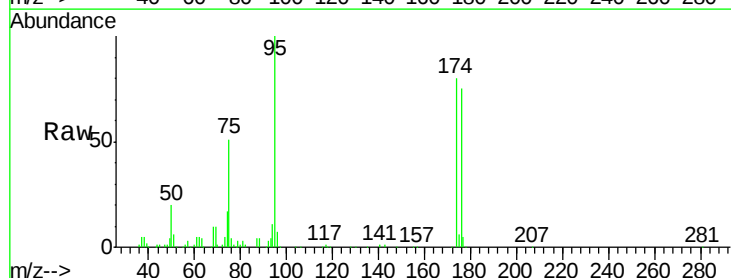
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#13

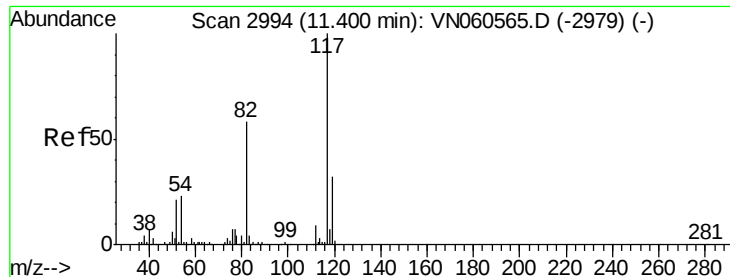
Tgt Ion: 43 Resp: 58844
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 52.606 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

Tgt Ion: 95 Resp: 157113
Ion Ratio Lower Upper
95 100
174 78.2 0.0 157.6
176 75.4 0.0 150.6

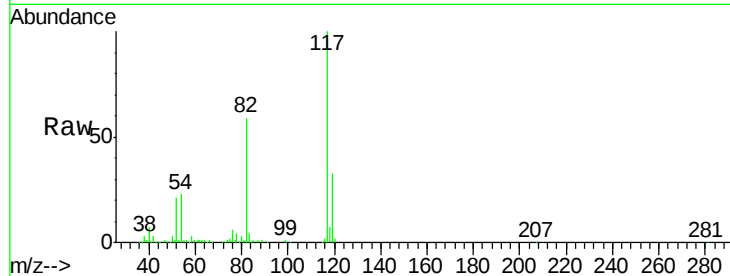




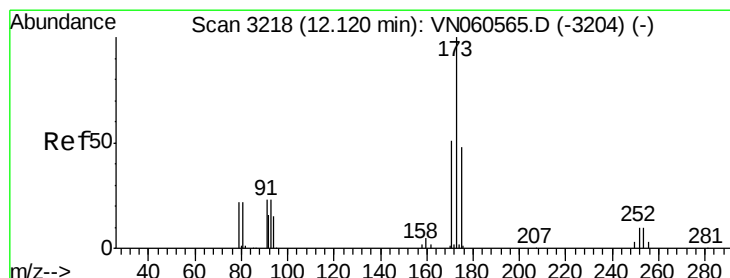
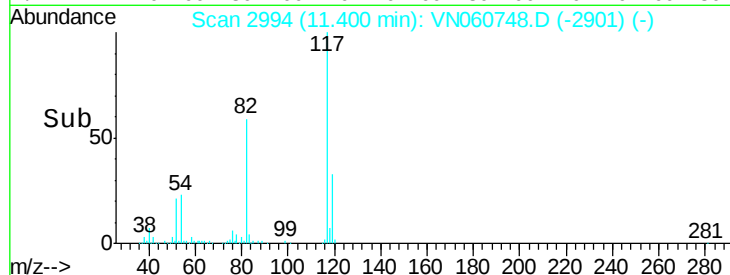
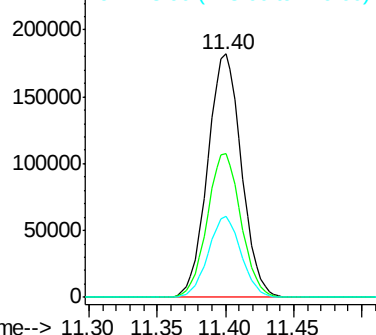
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#13

Tgt Ion:117 Resp: 312635
Ion Ratio Lower Upper
117 100
82 58.9 46.7 70.1
119 33.1 25.5 38.3

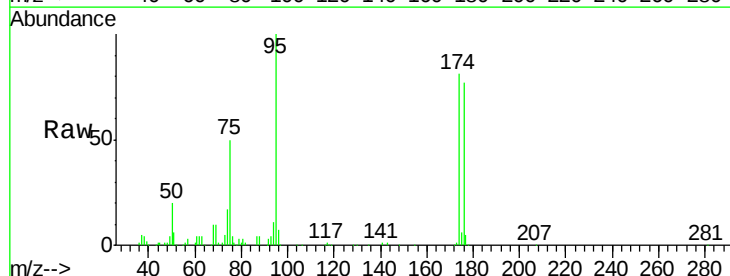


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

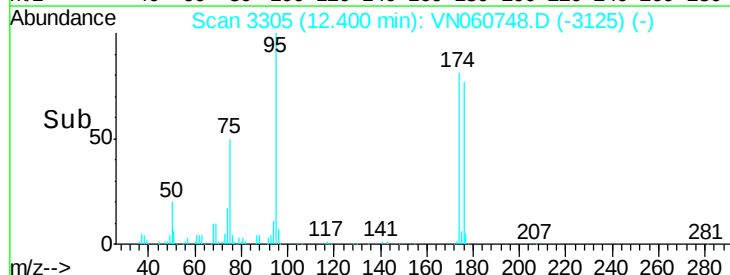
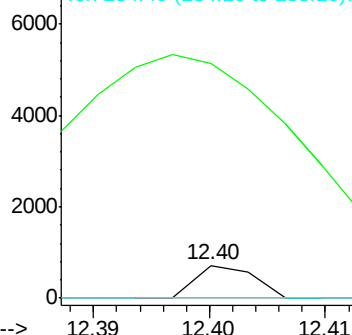


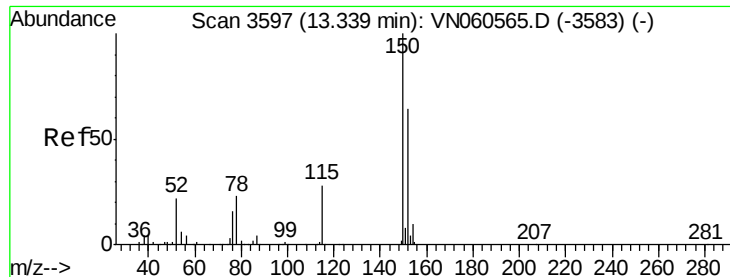
#71
Bromoform
Concen: 1.810 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060748.D
Acq: 27 Mar 2020 17:49

Tgt Ion:173 Resp: 249
Ion Ratio Lower Upper
173 100
175 3017.3 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: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

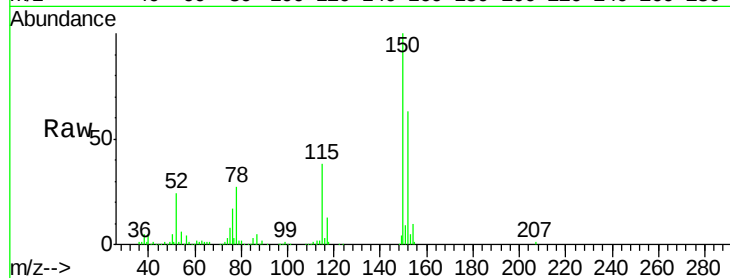
Tgt Ion:152 Resp: 147791

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

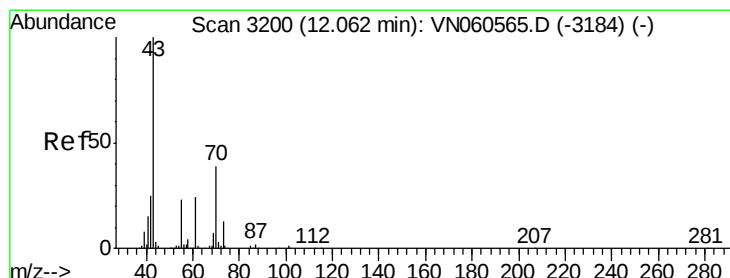
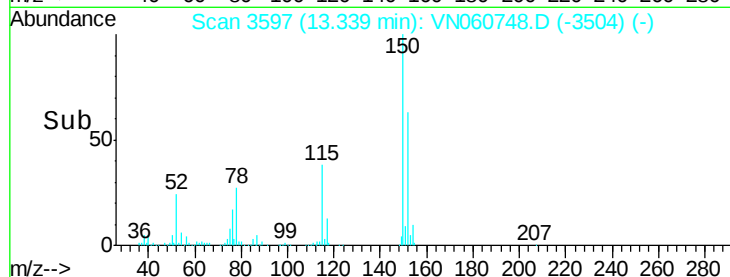
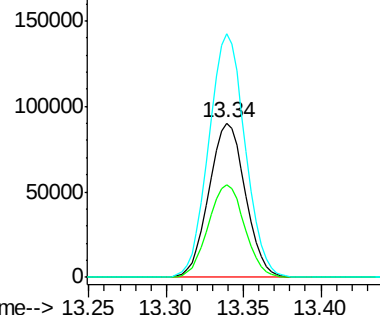
150 157.2 0.0 350.2



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-ethyl acetate

Concen: 0.609 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Tgt Ion: 43 Resp: 3121

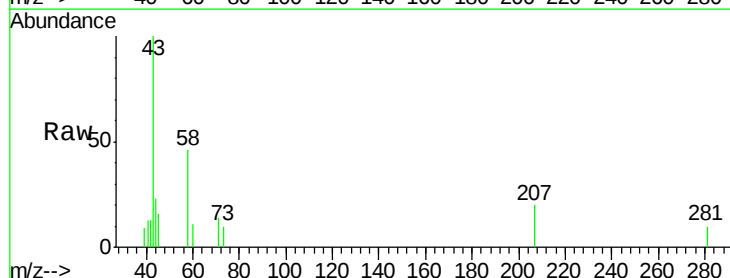
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

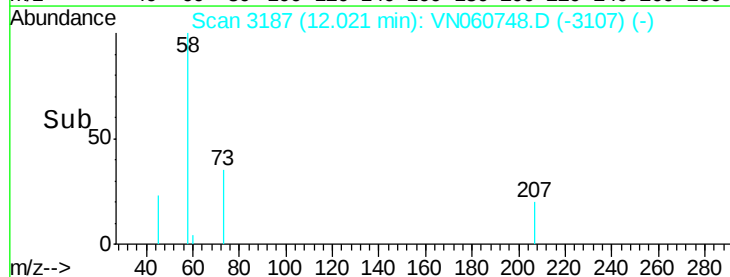
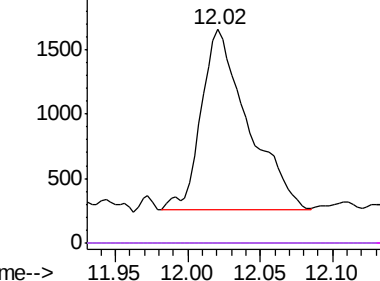


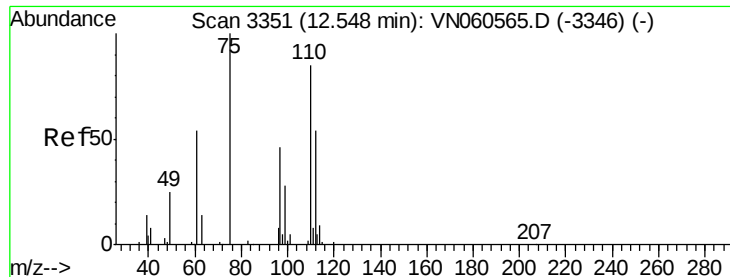
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.082 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

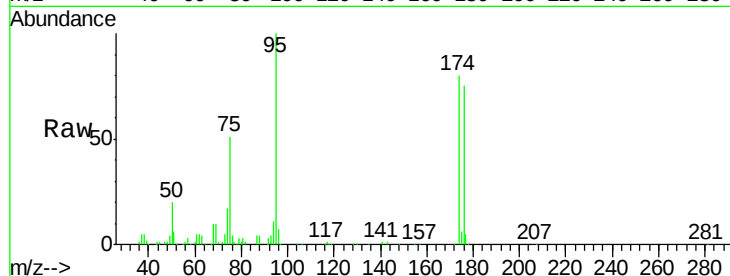
PB127814ZHE#13

Tgt Ion: 75 Resp: 79987

Ion Ratio Lower Upper

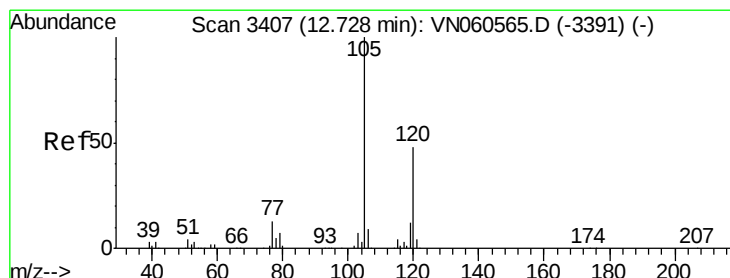
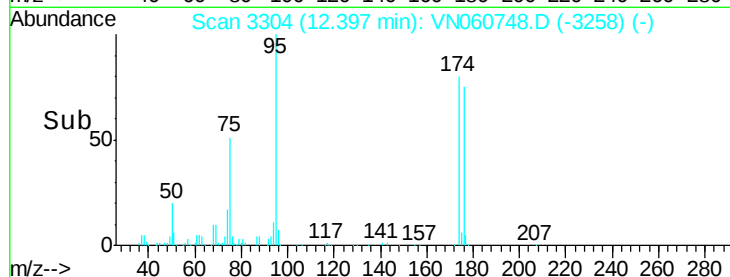
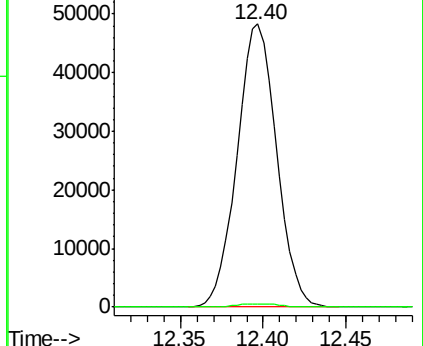
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060565.D (-3346) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.334 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060748.D

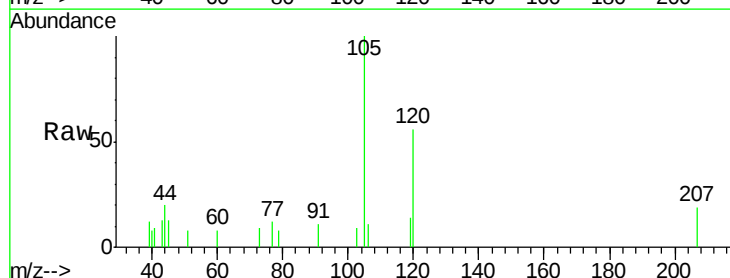
Acq: 27 Mar 2020 17:49

Tgt Ion: 105 Resp: 3146

Ion Ratio Lower Upper

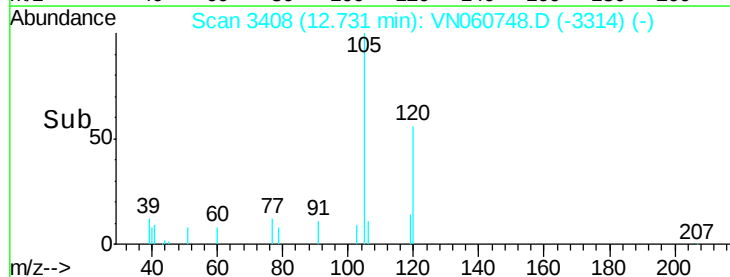
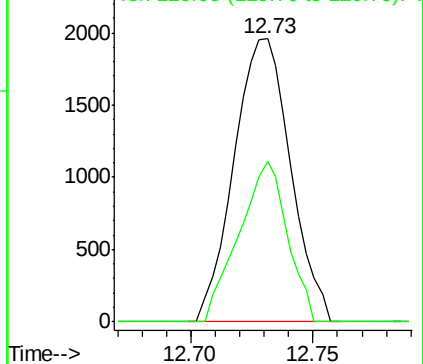
105 100

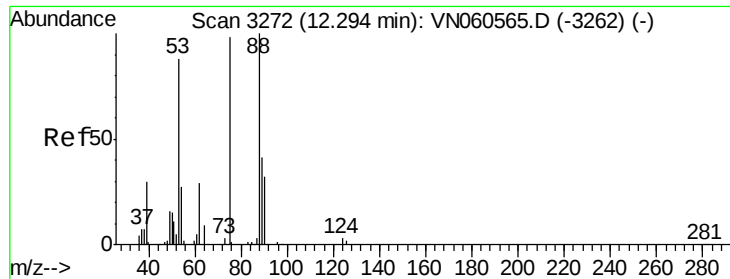
120 48.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.418 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060748.D

Acq: 27 Mar 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#13

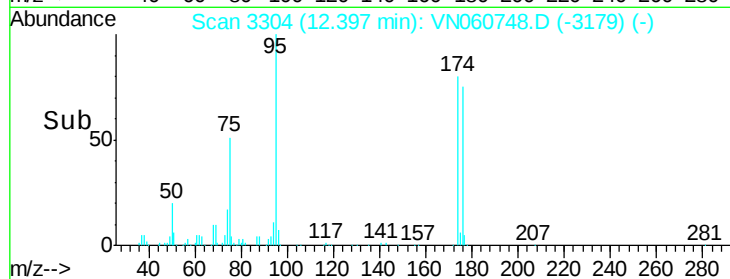
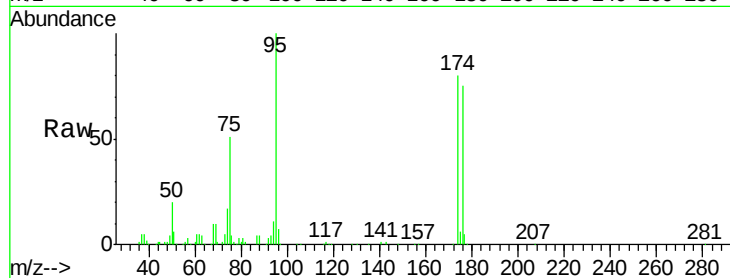
Tgt Ion: 75 Resp: 79987

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

