

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060743.D
 Acq On : 27 Mar 2020 15:38
 Operator : JC/MD
 Sample : PB127814ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#08

Quant Time: Mar 28 02:00:12 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	209649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	352121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	334105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	136735	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.56	113	104045	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.08	98	435330	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	164941	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

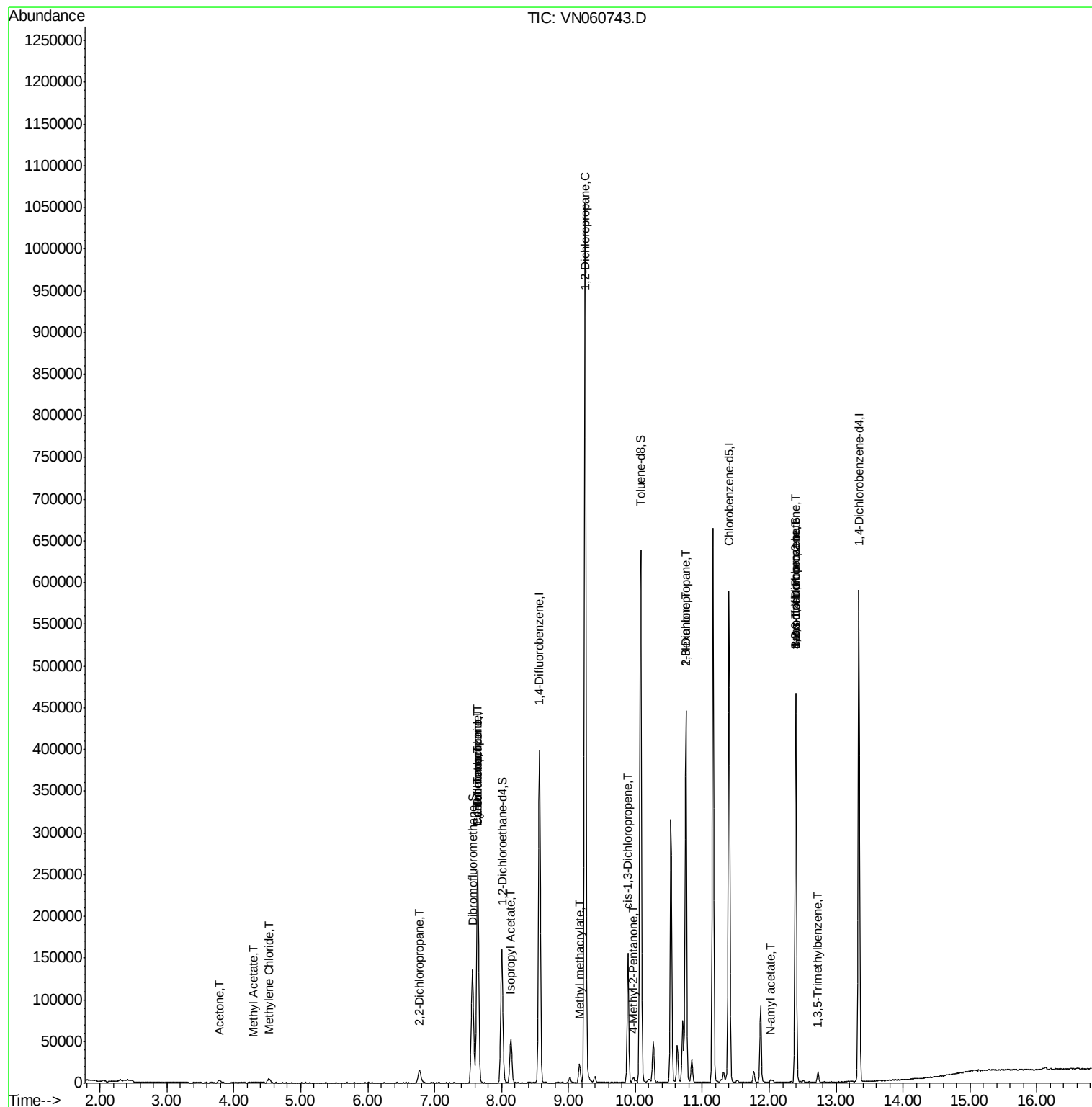
Target Compounds

						Qvalue
16) Acetone	3.78	43	5759	5.649	ug/l #	88
18) Methyl Acetate	4.29	43	2049	0.714	ug/l #	54
20) Methylene Chloride	4.52	84	3994	1.593	ug/l	93
26) 2,2-Dichloropropane	6.77	77	1060	0.293	ug/l #	53
31) Cyclohexane	7.64	56	4354	0.939	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16568	4.859	ug/l #	49
38) Carbon Tetrachloride	7.64	117	20286	6.638	ug/l #	15
43) Isopropyl Acetate	8.14	43	63623	10.471	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1050	0.387	ug/l #	43
48) Methyl methacrylate	9.16	41	3372	1.247	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5062	1.464	ug/l #	85
54) cis-1,3-Dichloropropene	9.89	75	27051	6.291	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4322	1.041	ug/l #	42
59) 2-Hexanone	10.75	43	65608	26.342	ug/l #	51
71) Bromoform	12.40	173	592	1.968	ug/l #	1
74) N-amyl acetate	12.02	43	3134	0.591	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	83060	25.154	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7094	0.728	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	83060	64.603	ug/l #	13

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

```
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ALS Vial  : 14    Sample Multiplier: 1
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

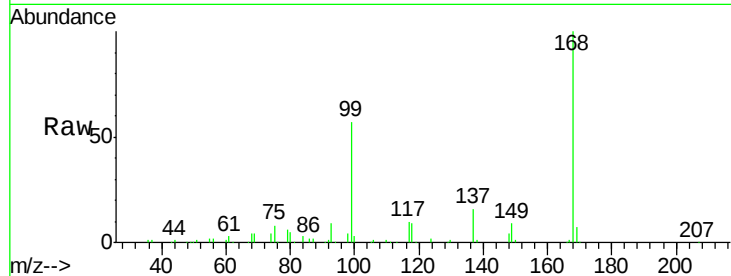
PB127814ZHE#08

Tgt Ion:168 Resp: 209649

Ion Ratio Lower Upper

168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

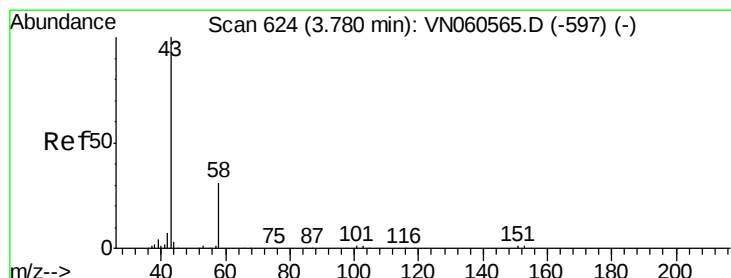
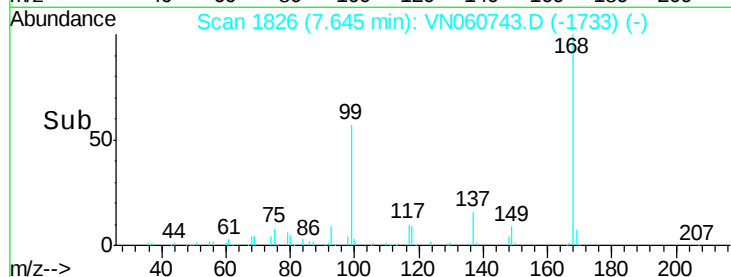
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 5.649 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060743.D

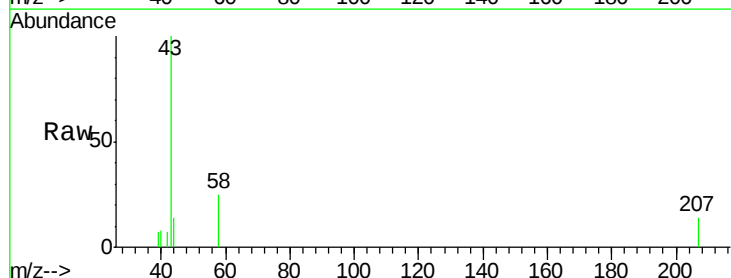
Acq: 27 Mar 2020 15:38

Tgt Ion: 43 Resp: 5759

Ion Ratio Lower Upper

43 100

58 24.6 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

2500

2000

1500

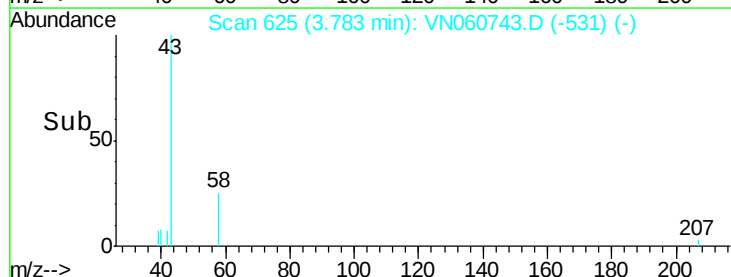
1000

500

0

3.70 3.75 3.80 3.85

Time-->

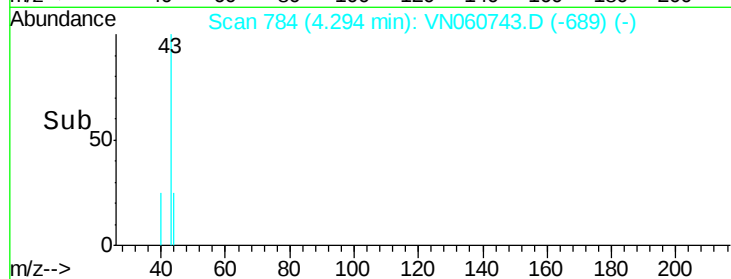
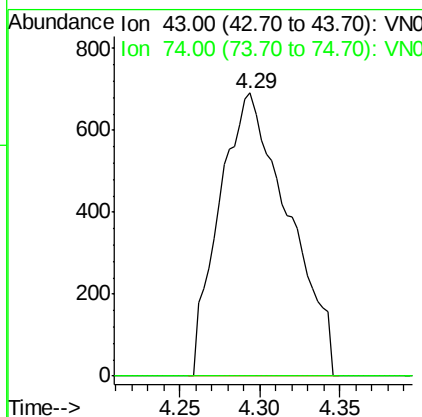
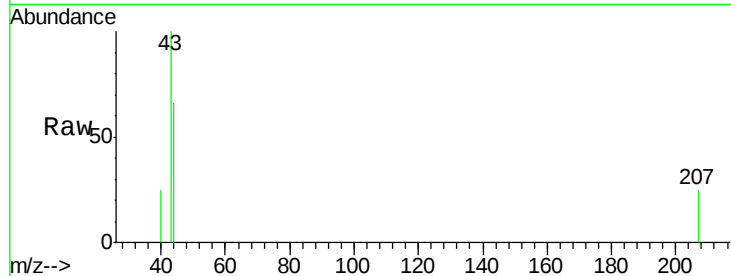




#18
Methyl Acetate
Concen: 0.714 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

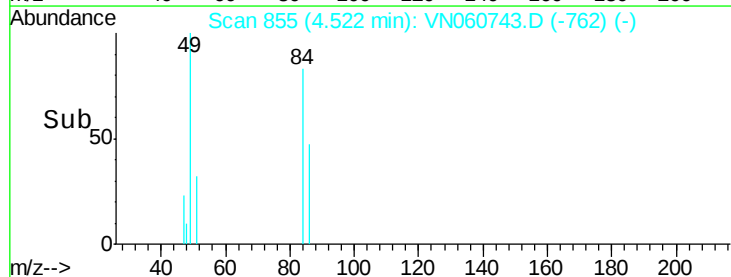
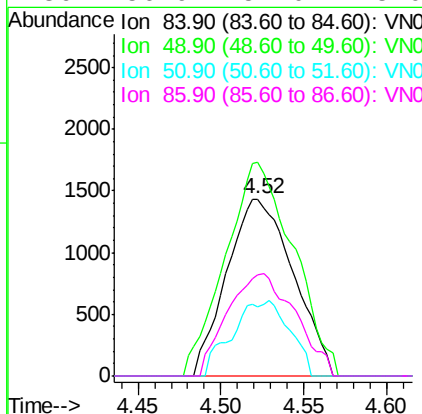
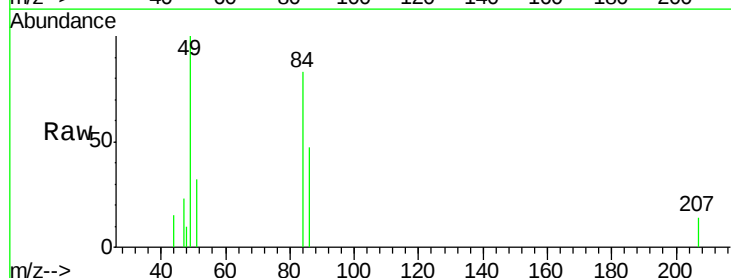
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#08

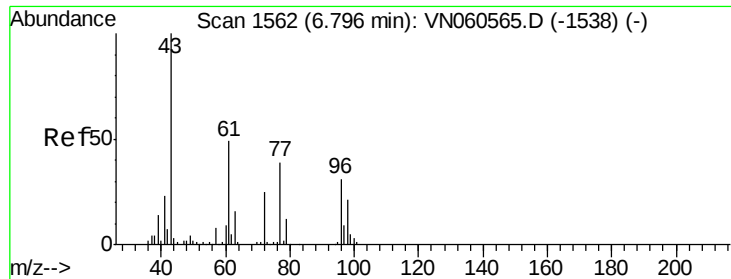
Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.593 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

Tgt Ion: 84 Resp: 3994
Ion Ratio Lower Upper
84 100
49 120.9 103.3 154.9
51 39.0 31.6 47.4
86 56.9 52.0 78.0

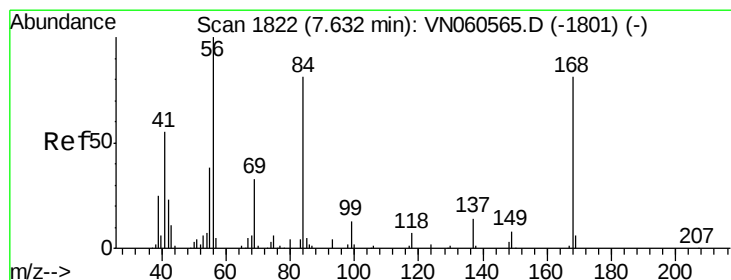
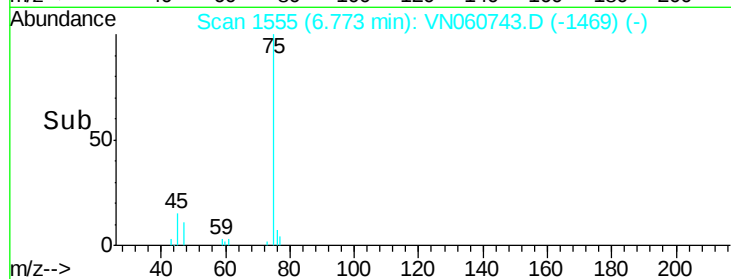
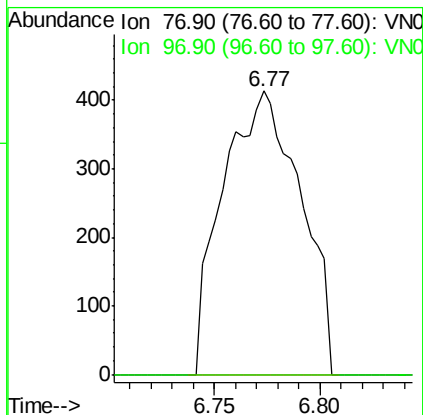
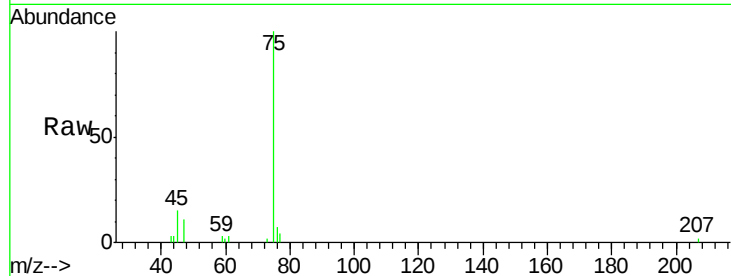




#26
 2,2-Dichloropropane
 Concen: 0.293 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

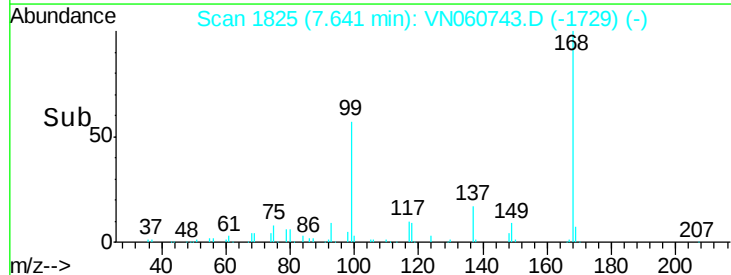
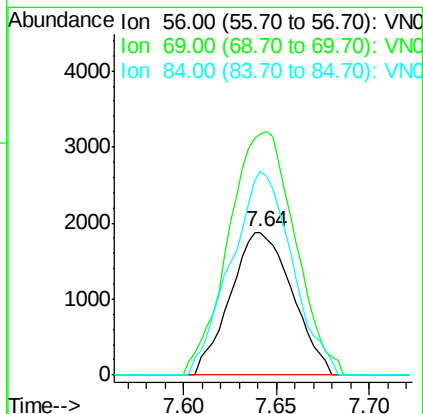
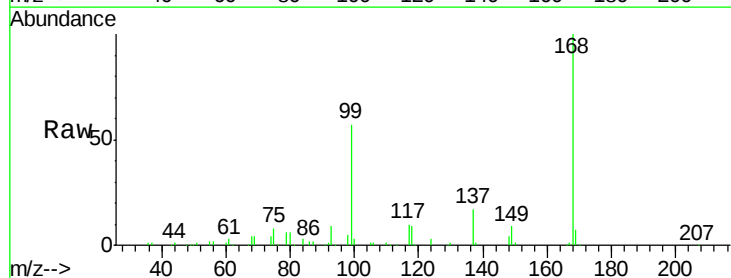
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#08

Tgt Ion: 77 Resp: 1060
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#



#31
 Cyclohexane
 Concen: 0.939 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

Tgt Ion: 56 Resp: 4354
 Ion Ratio Lower Upper
 56 100
 69 159.9 26.6 40.0#
 84 143.2 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.510 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

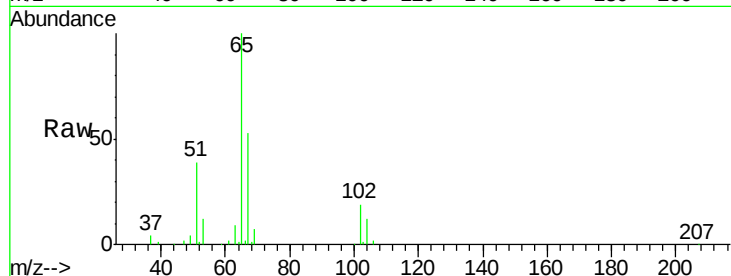
PB127814ZHE#08

Tgt Ion: 65 Resp: 136735

Ion Ratio Lower Upper

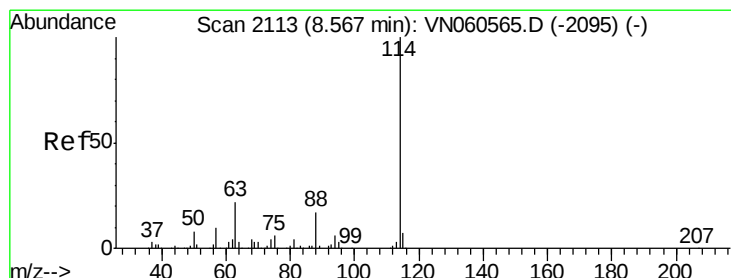
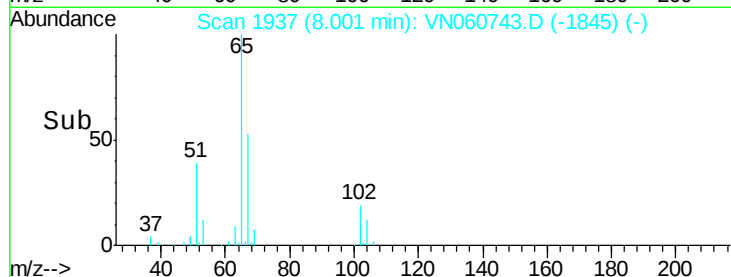
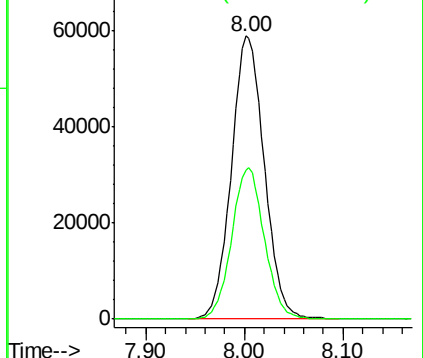
65 100

67 52.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

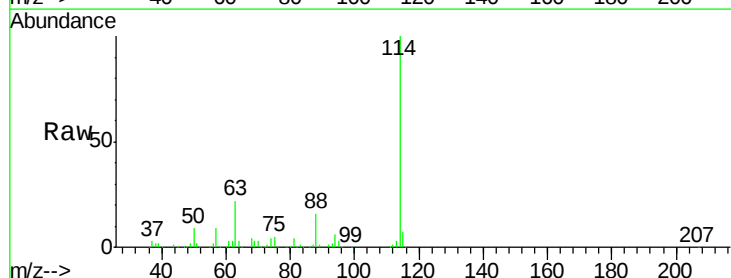
Tgt Ion: 114 Resp: 352121

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

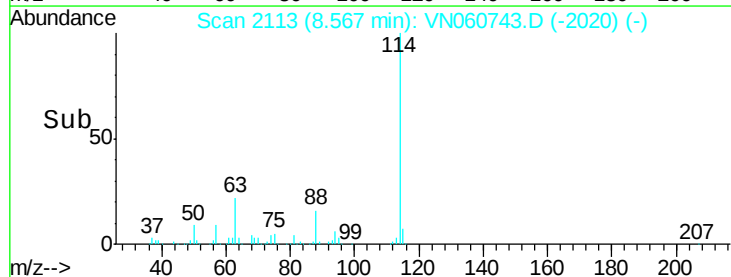
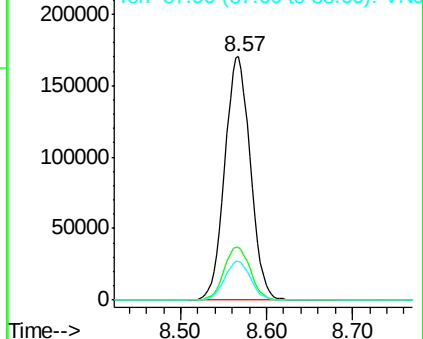
88 15.9 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)

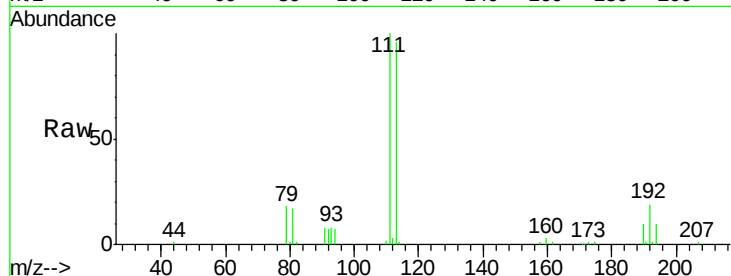




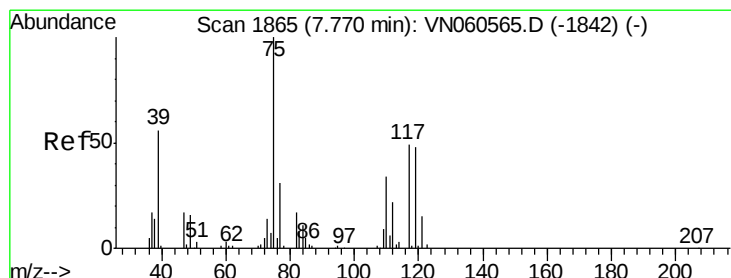
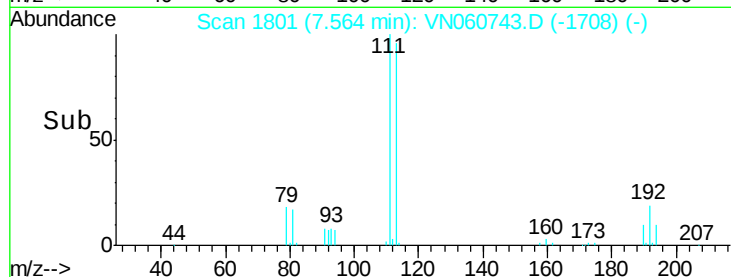
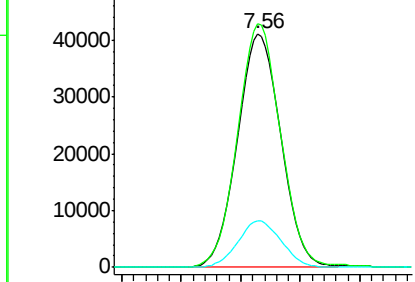
#35
 Dibromofluoromethane
 Concen: 48.867 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.9	15.8	23.8

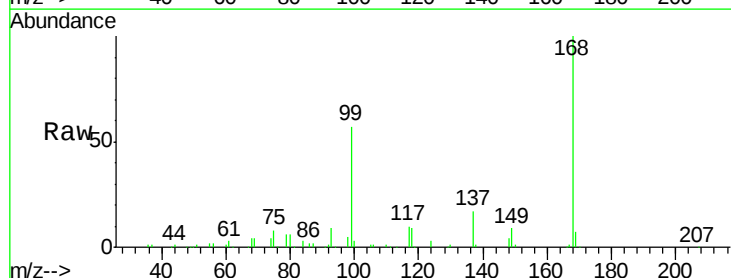


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

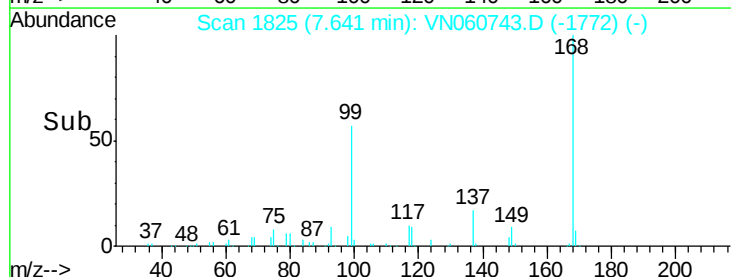
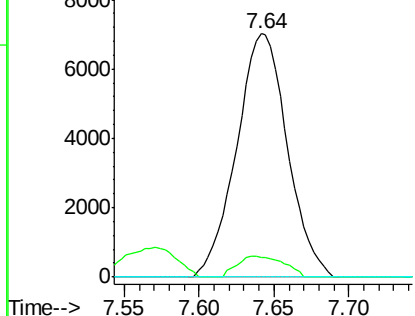


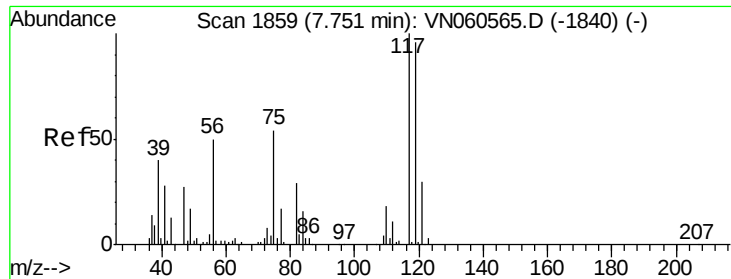
#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.9	50.6#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.638 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#08

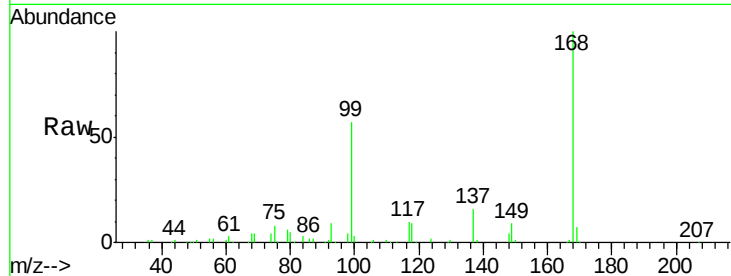
Tgt Ion:117 Resp: 20286

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

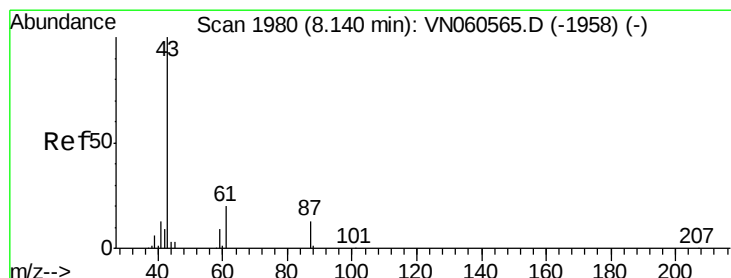
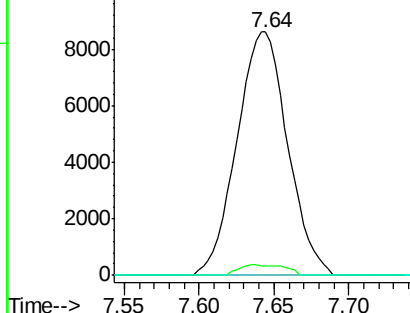
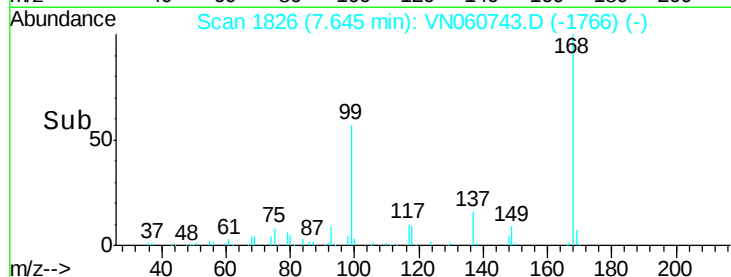
121 0.0 23.7 35.5#



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: 10.471 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

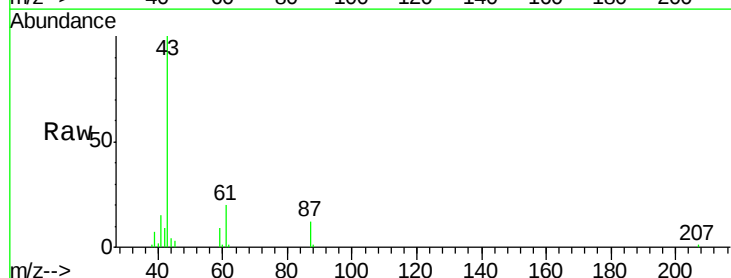
Tgt Ion: 43 Resp: 63623

Ion Ratio Lower Upper

43 100

61 19.9 20.7 31.1#

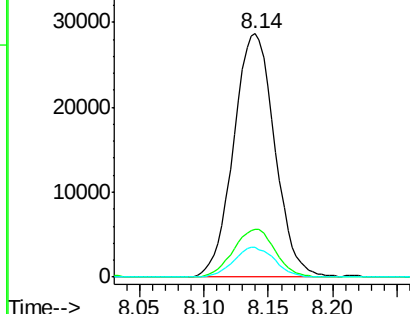
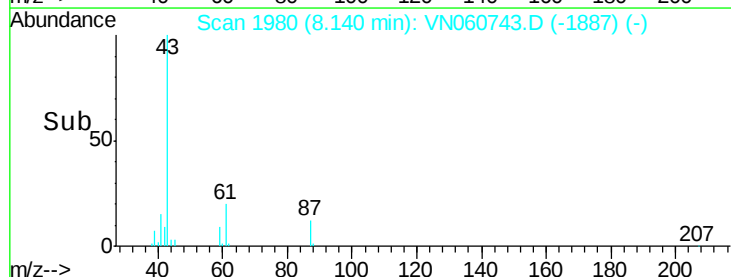
87 12.1 9.8 14.8

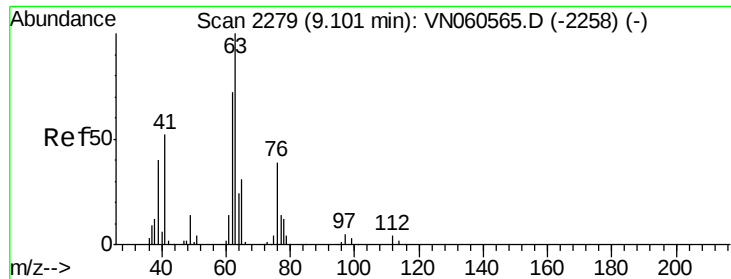


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

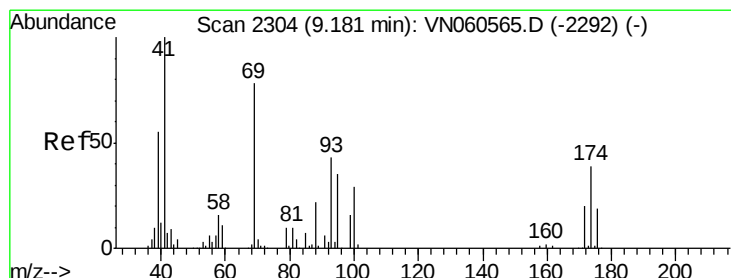
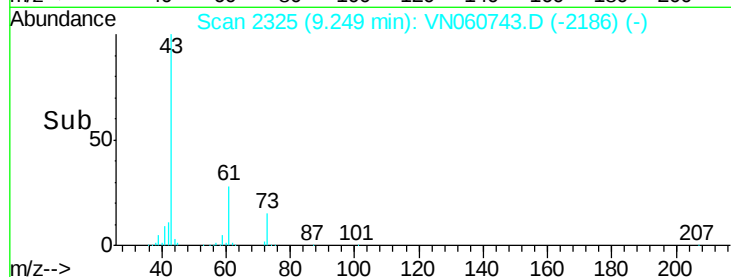
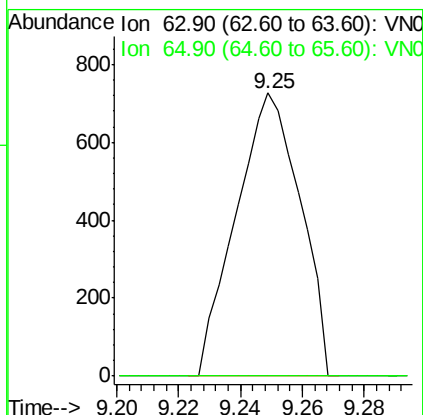
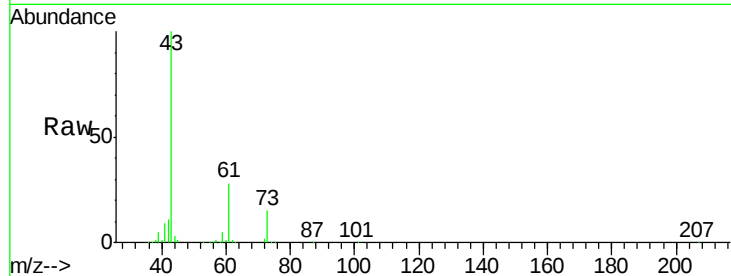




#45
 1,2-Dichloropropane
 Concen: 0.387 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

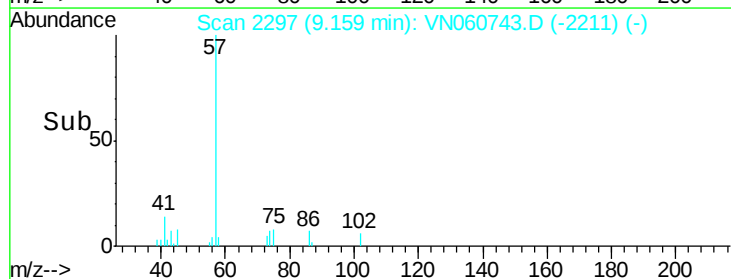
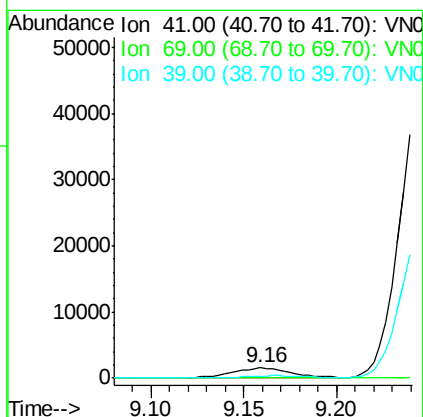
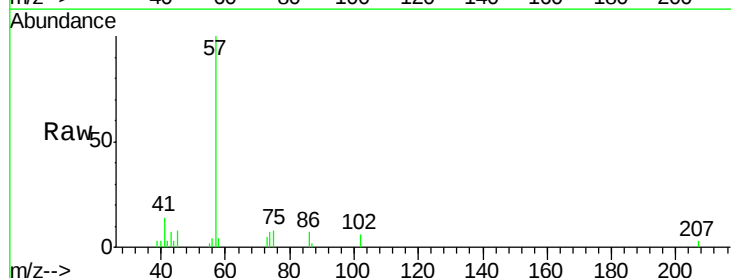
Instrument :
 MSVOA_N
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 PB127814ZHE#08

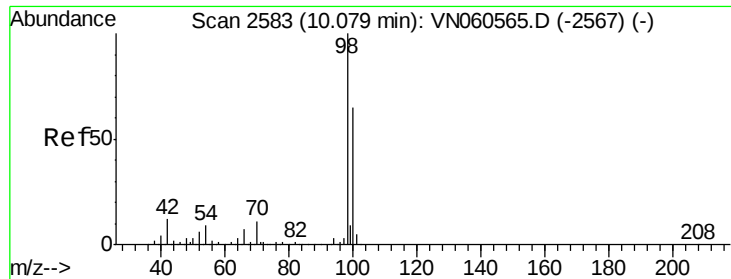
Tgt Ion: 63 Resp: 1050
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.247 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060743.D
 Acq: 27 Mar 2020 15:38

Tgt Ion: 41 Resp: 3372
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.056 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

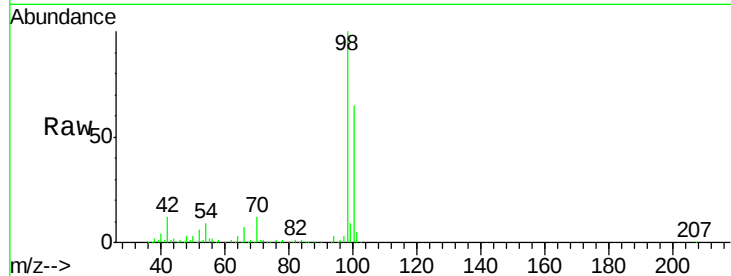
PB127814ZHE#08

Tgt Ion: 98 Resp: 435330

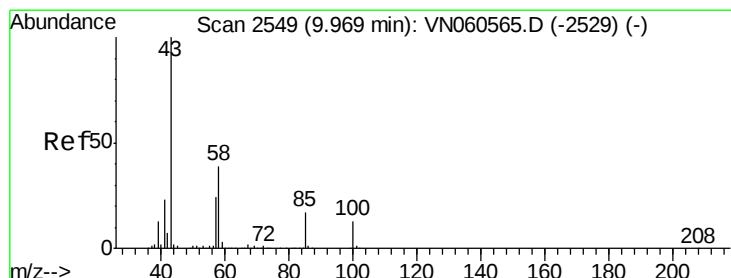
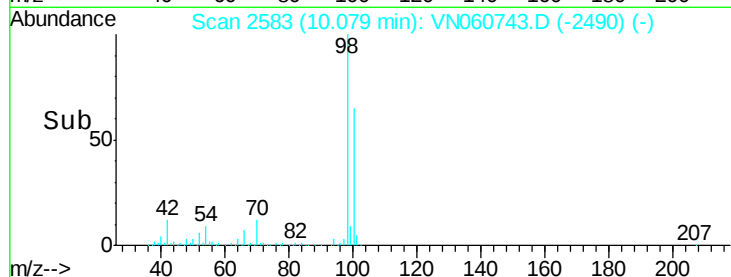
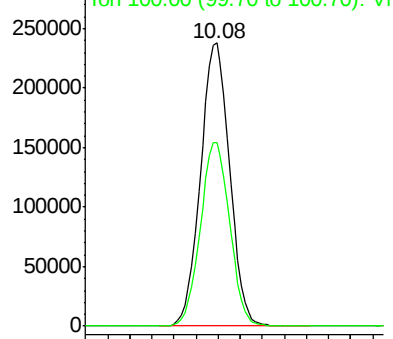
Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060743.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.464 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060743.D

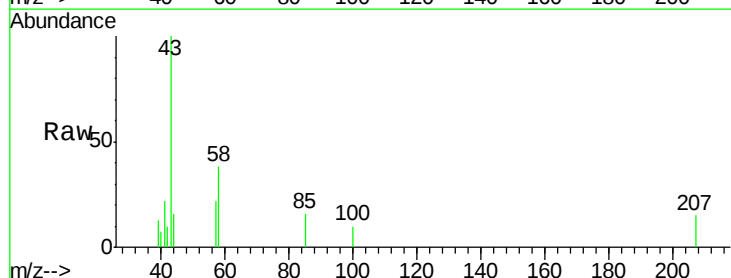
Acq: 27 Mar 2020 15:38

Tgt Ion: 43 Resp: 5062

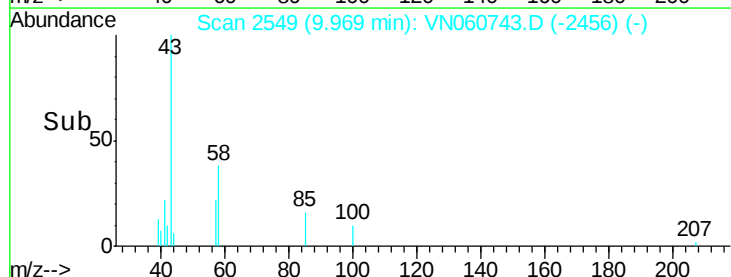
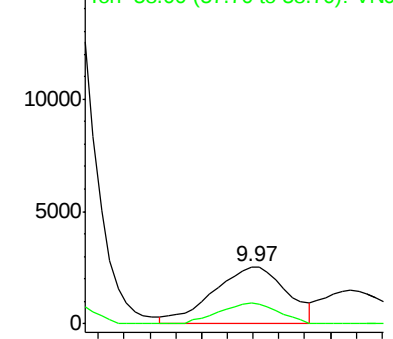
Ion Ratio Lower Upper

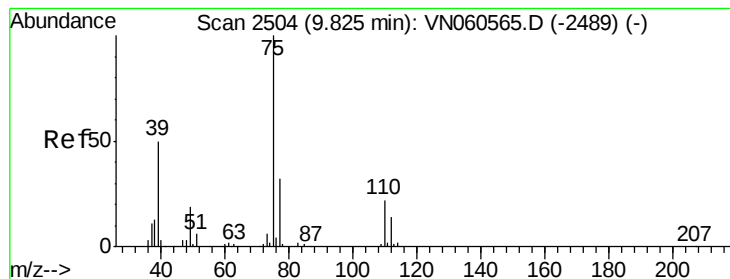
43 100

58 29.4 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060743.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.291 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#08

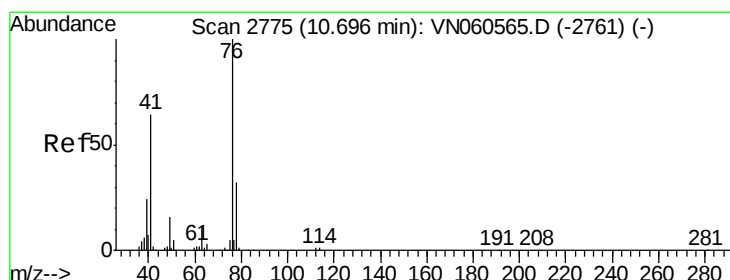
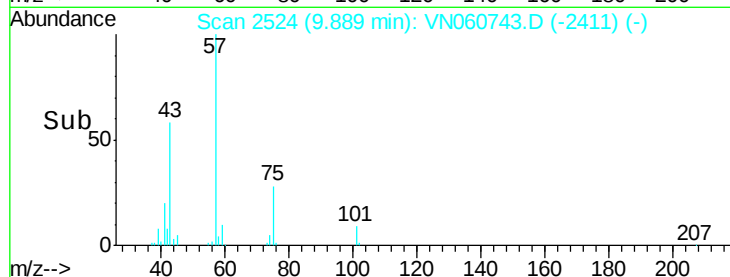
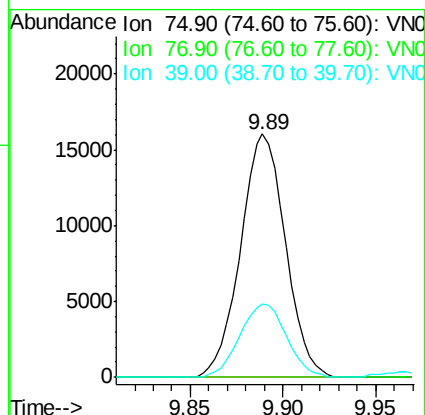
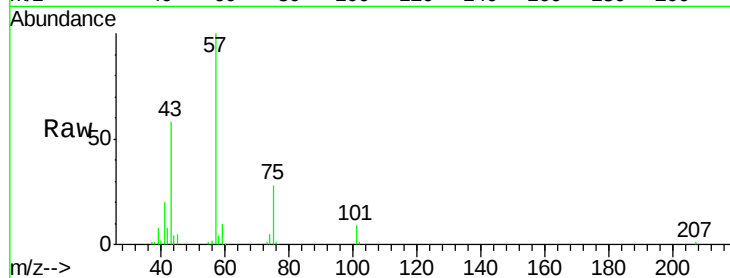
Tgt Ion: 75 Resp: 27051

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 30.0 40.2 60.4#



#57

1,3-Dichloropropane

Concen: 1.041 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060743.D

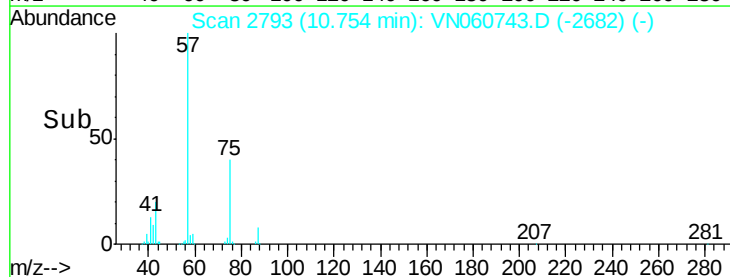
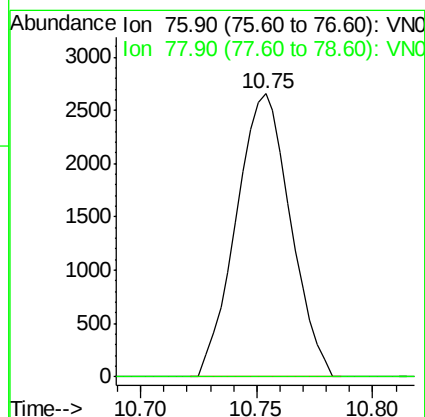
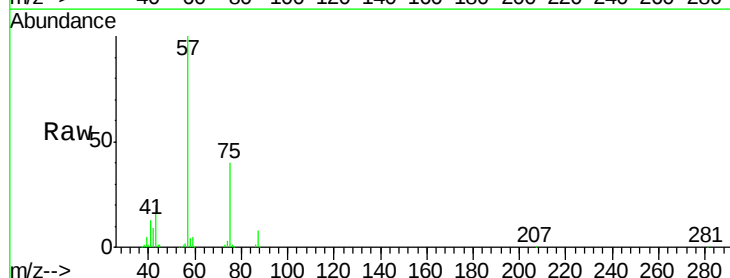
Acq: 27 Mar 2020 15:38

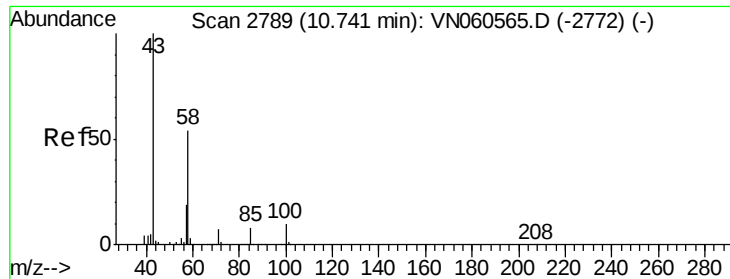
Tgt Ion: 76 Resp: 4322

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

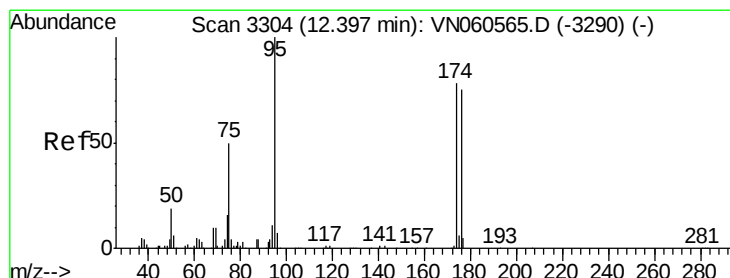
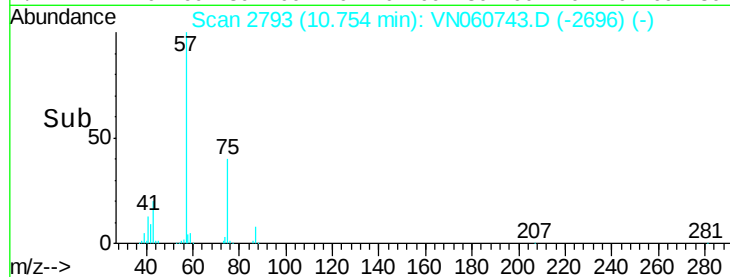
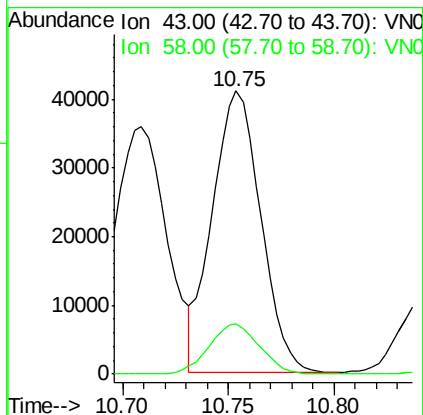
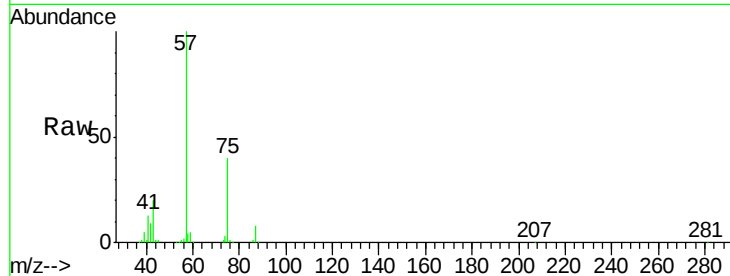




#59
2-Hexanone
Concen: 26.342 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

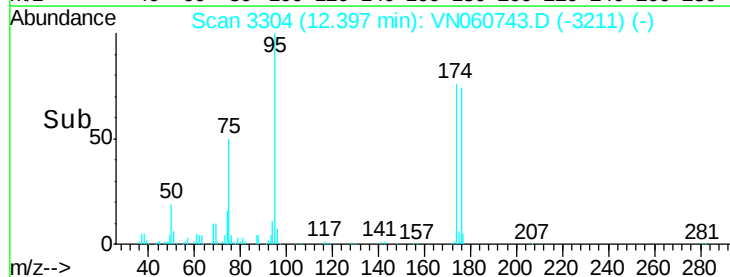
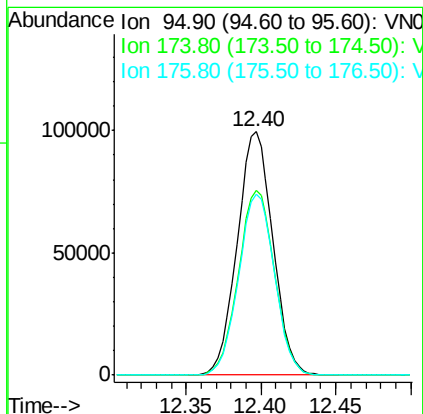
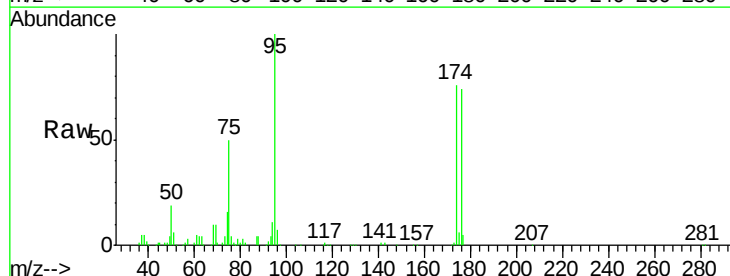
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#08

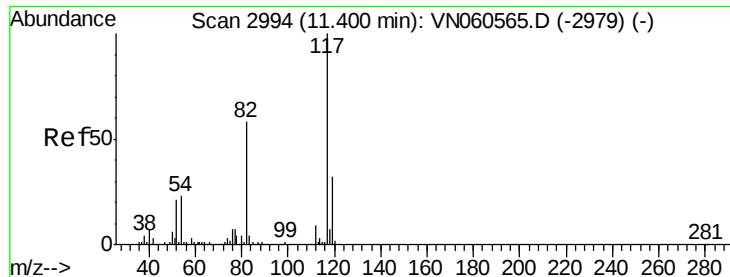
Tgt Ion: 43 Resp: 65608
Ion Ratio Lower Upper
43 100
58 18.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.750 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

Tgt Ion: 95 Resp: 164941
Ion Ratio Lower Upper
95 100
174 77.0 0.0 157.6
176 75.0 0.0 150.6

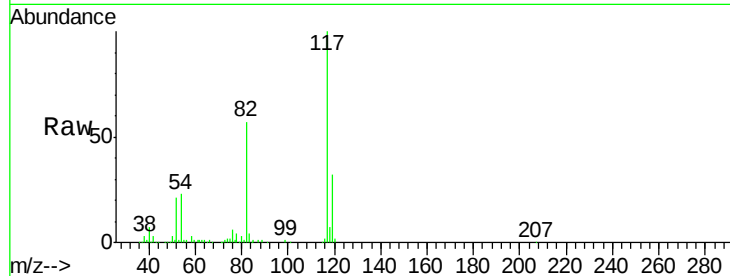




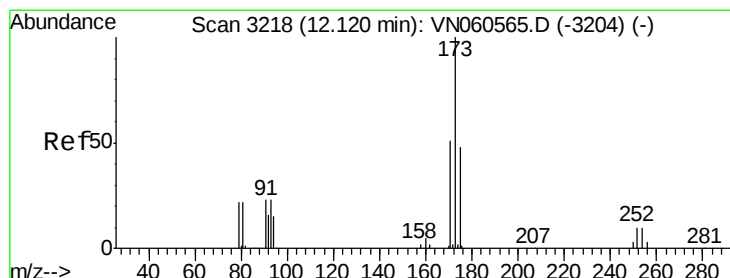
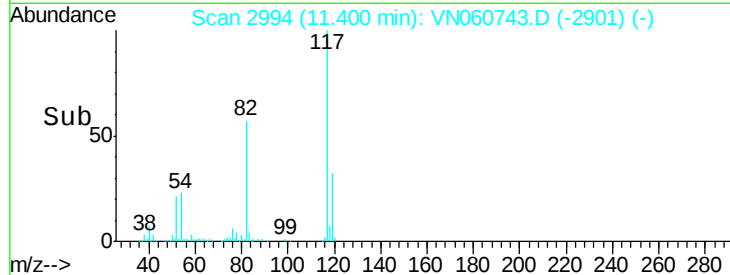
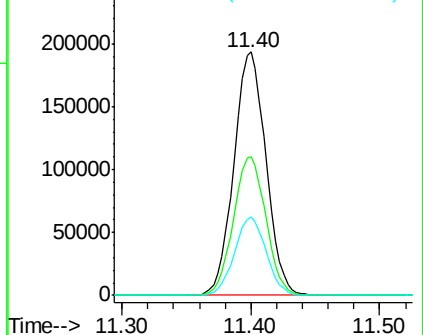
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#08

Tgt Ion:117 Resp: 334105
Ion Ratio Lower Upper
117 100
82 57.0 46.7 70.1
119 32.1 25.5 38.3

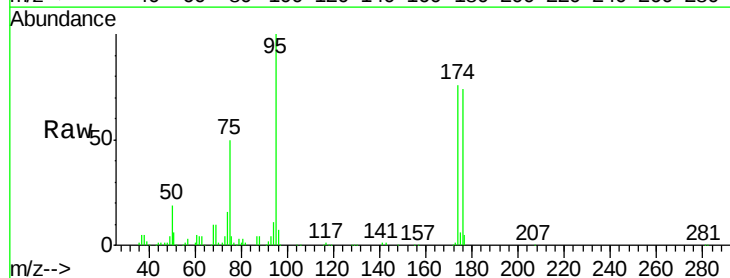


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

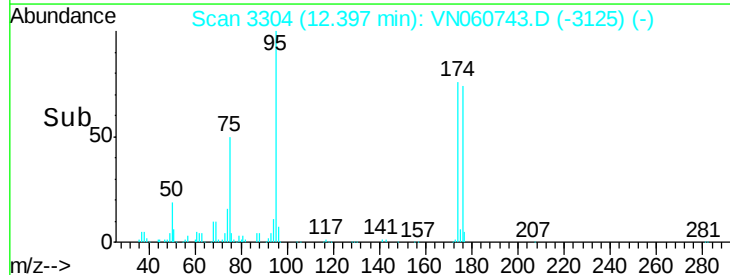
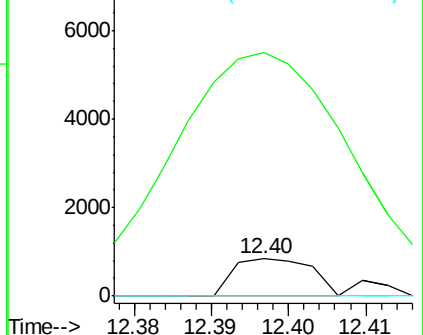


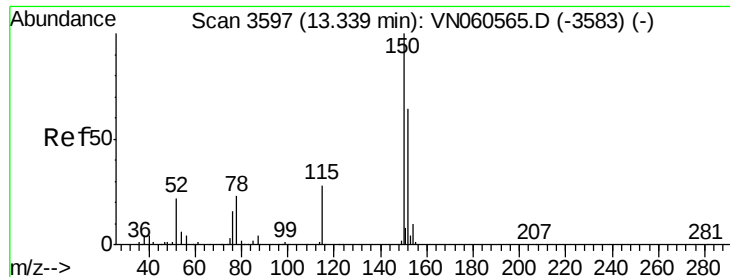
#71
Bromoform
Concen: 1.968 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060743.D
Acq: 27 Mar 2020 15:38

Tgt Ion:173 Resp: 592
Ion Ratio Lower Upper
173 100
175 1328.2 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: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#08

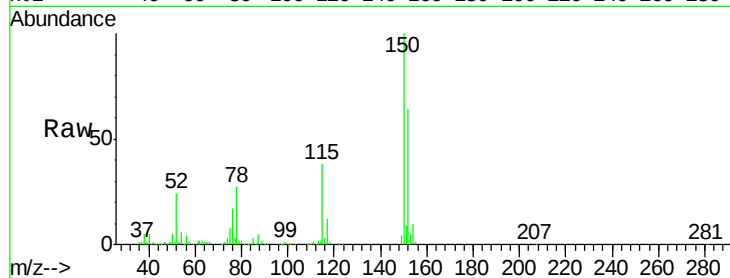
Tgt Ion:152 Resp: 153030

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

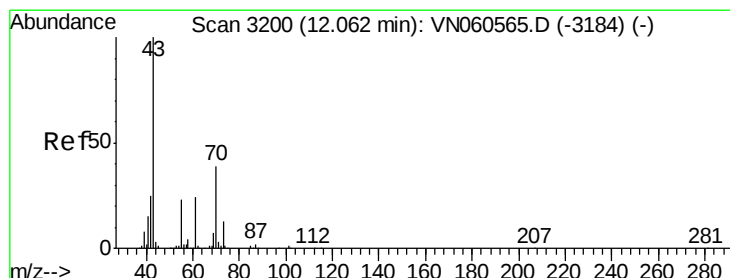
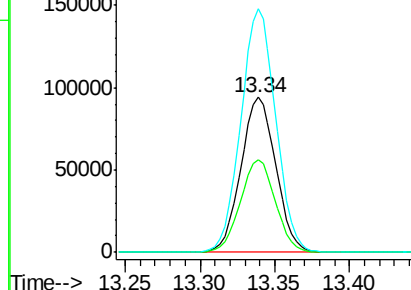
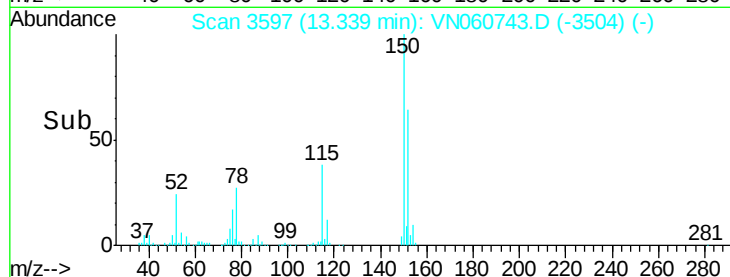
150 156.5 0.0 350.2



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: 0.591 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Tgt Ion: 43 Resp: 3134

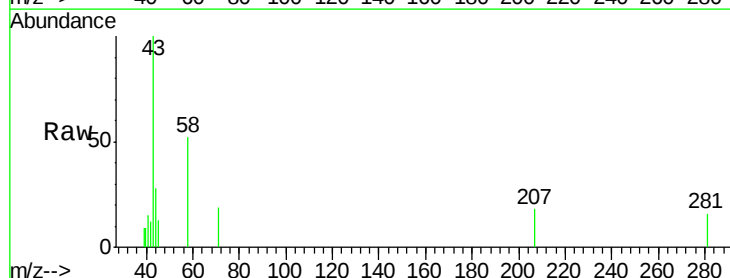
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

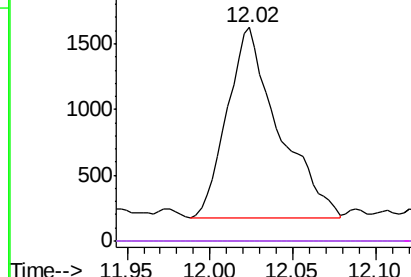
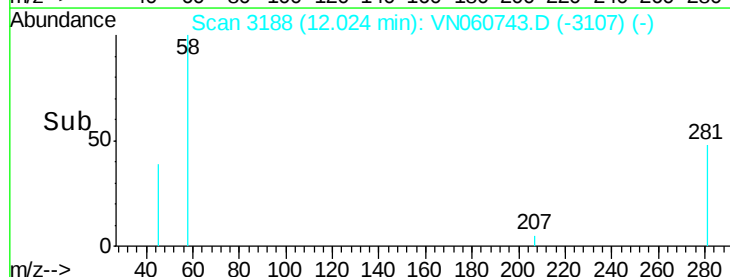


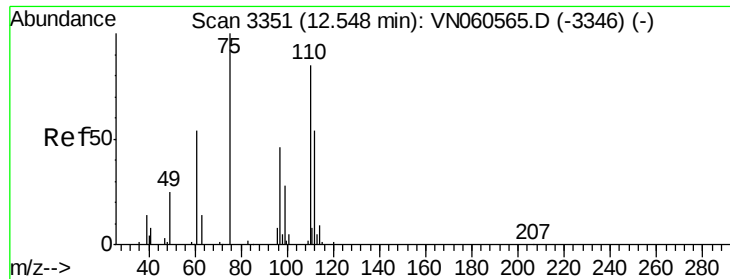
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.154 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

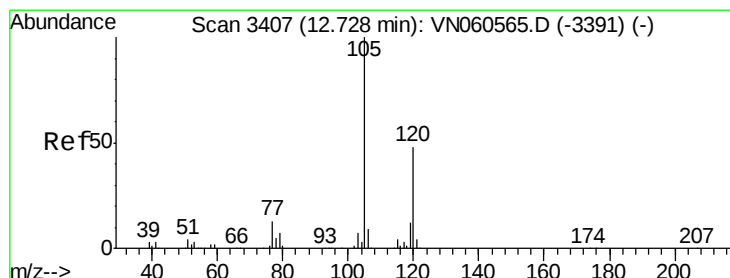
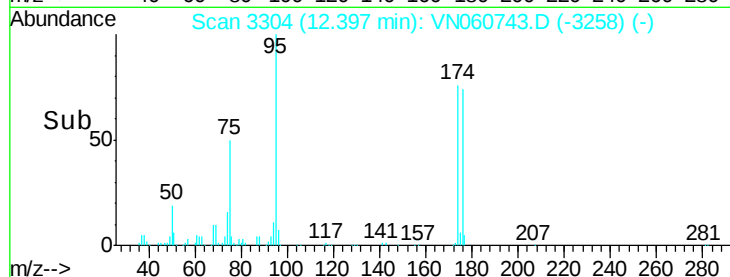
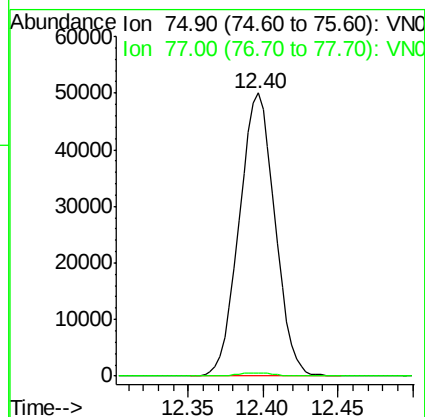
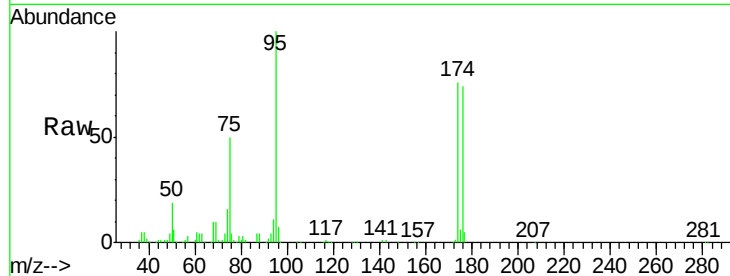
PB127814ZHE#08

Tgt Ion: 75 Resp: 83060

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.728 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060743.D

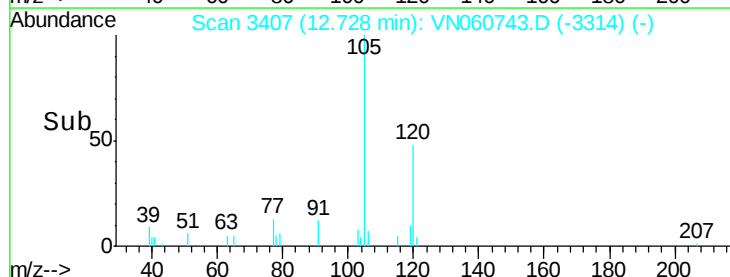
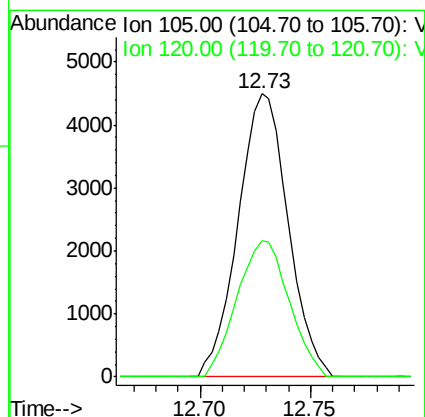
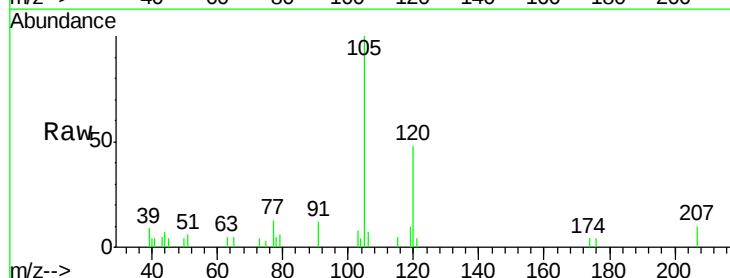
Acq: 27 Mar 2020 15:38

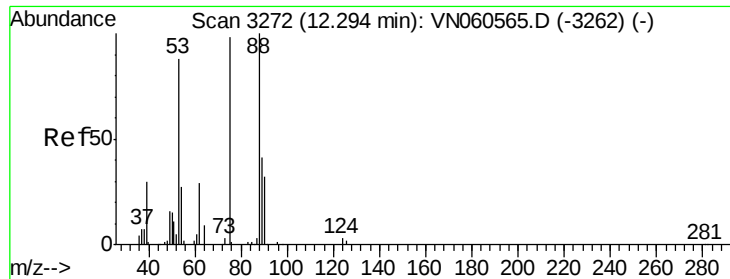
Tgt Ion: 105 Resp: 7094

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 64.603 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060743.D

Acq: 27 Mar 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#08

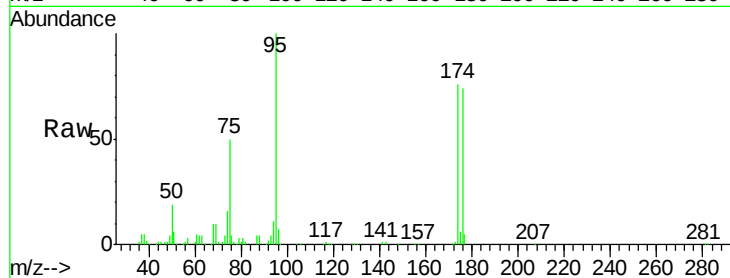
Tgt Ion: 75 Resp: 83060

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

