

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060400.D
 Acq On : 9 Mar 2020 14:03
 Operator : JC/MD
 Sample : PB127354ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

Quant Time: Mar 09 16:26:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133307	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	122196	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.57	113	89562	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
50) Toluene-d8	10.08	98	383740	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	140269	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

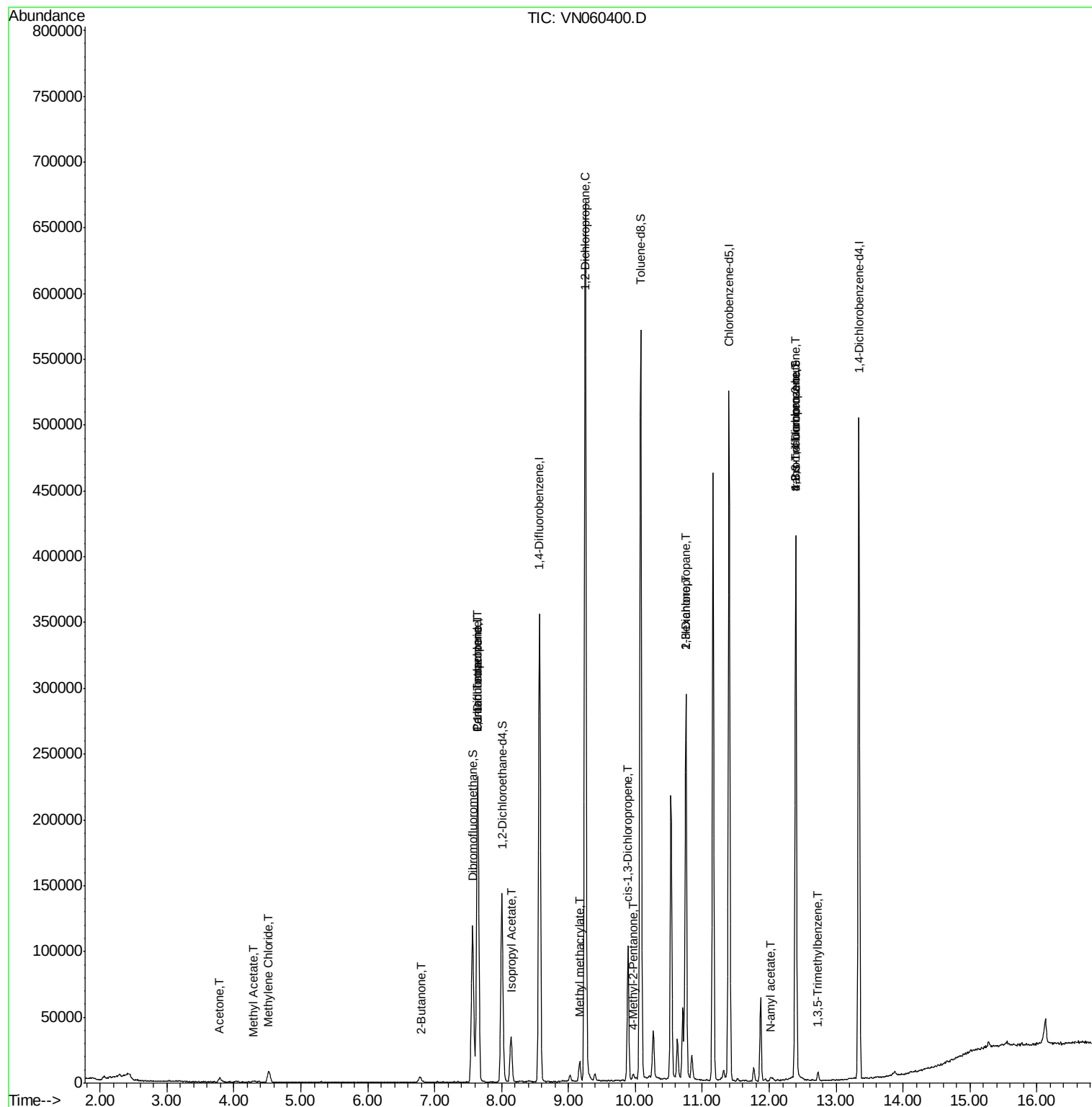
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5560	7.11	ug/l	97
18) Methyl Acetate	4.30	43	1218	0.47	ug/l #	52
20) Methylene Chloride	4.52	84	6212	2.89	ug/l	89
25) 2-Butanone	6.81	43	1614	1.28	ug/l #	49
31) Cyclohexane	7.64	56	4178	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14966	5.03	ug/l #	48
38) Carbon Tetrachloride	7.64	117	19047	6.57	ug/l #	15
43) Isopropyl Acetate	8.14	43	41592	8.43	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	857	0.38	ug/l #	44
48) Methyl methacrylate	9.16	41	2240	1.00	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3606	1.29	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	18022	4.75	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2965	0.83	ug/l #	42
59) 2-Hexanone	10.75	43	43593	21.22	ug/l #	52
74) N-amyl acetate	12.02	43	2678	0.62	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	73291	25.06	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4105	0.49	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	73291	69.17	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	127	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.36	146	127	Below Cal	#	1
95) Naphthalene	15.12	128	385	Below Cal	#	69

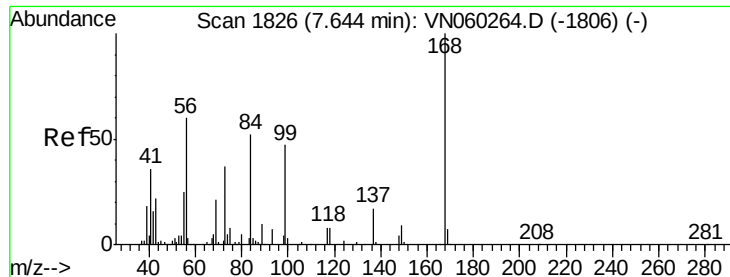
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

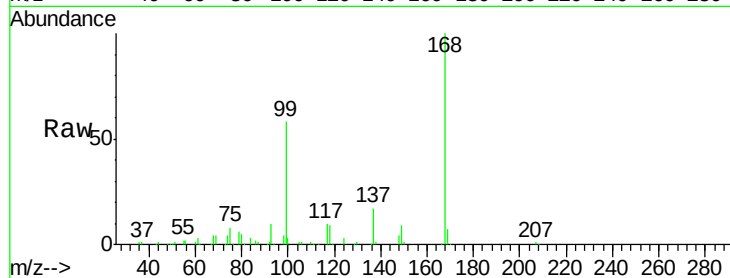
PB127354ZHE#05

Tgt Ion:168 Resp: 188739

Ion Ratio Lower Upper

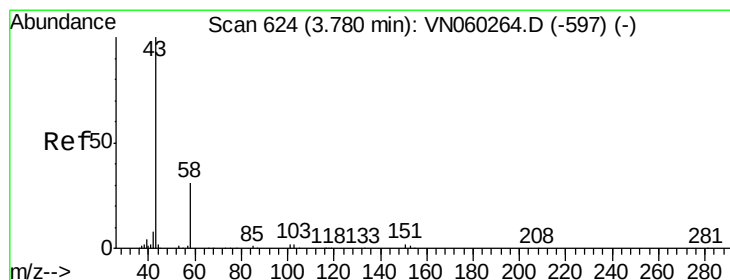
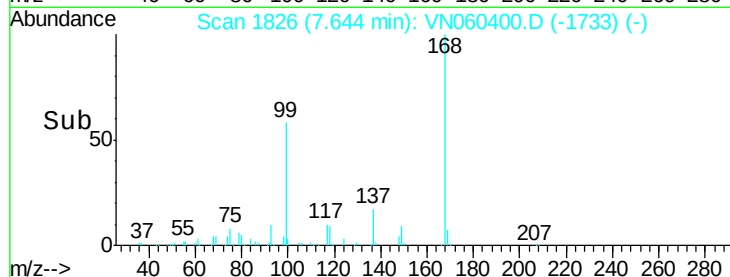
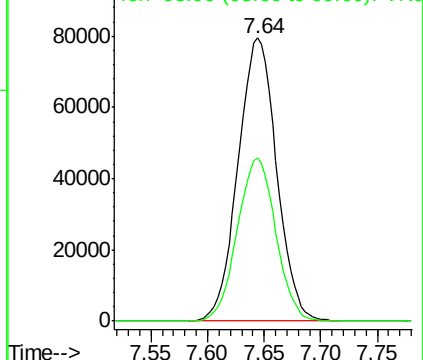
168 100

99 57.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 7.11 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060400.D

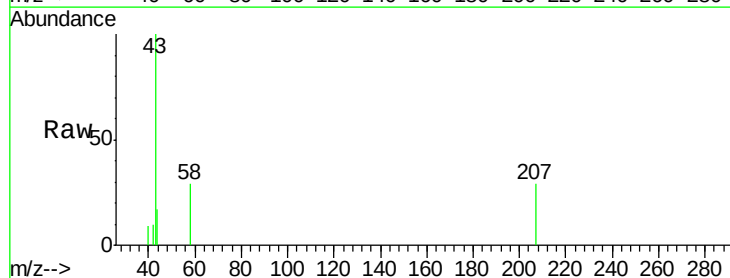
Acq: 9 Mar 2020 14:03

Tgt Ion: 43 Resp: 5560

Ion Ratio Lower Upper

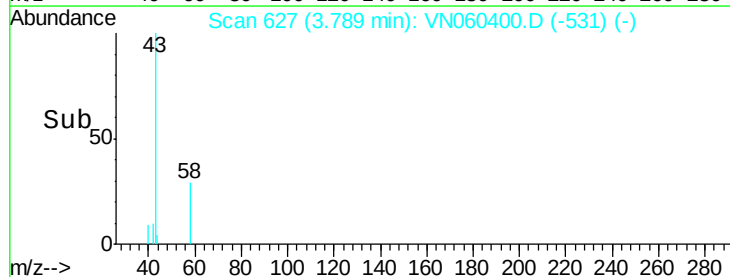
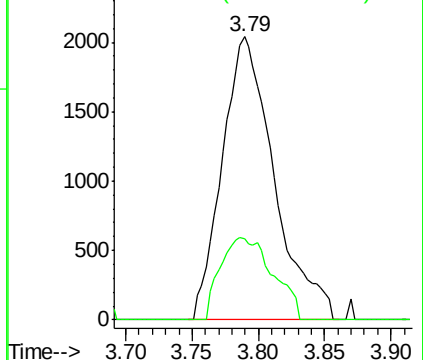
43 100

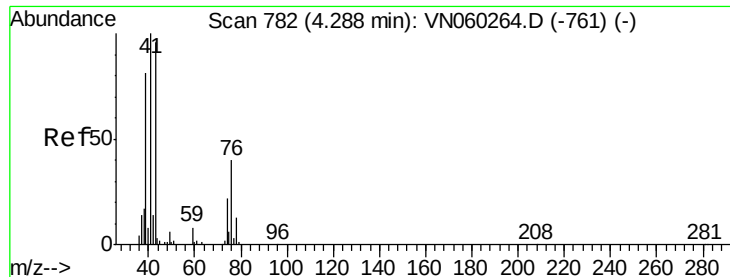
58 28.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

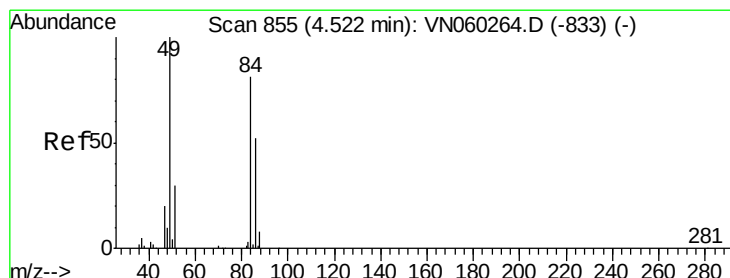
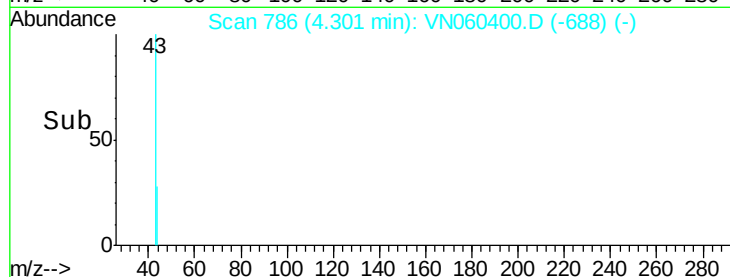
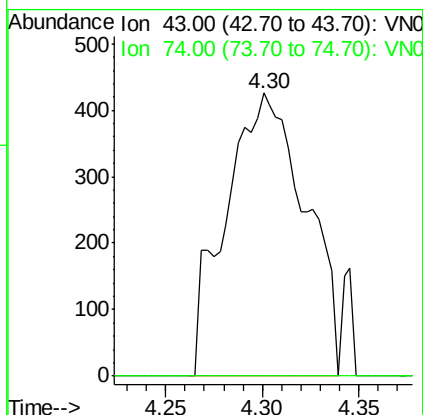
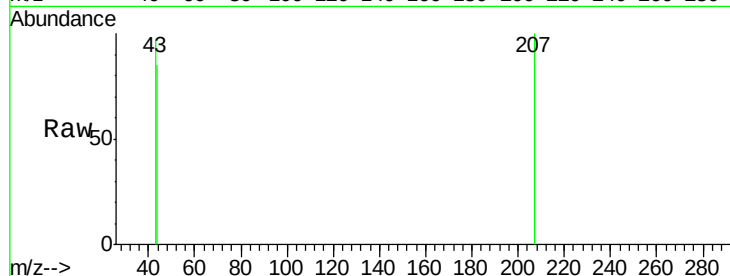




#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060400.D
Acq: 9 Mar 2020 14:03

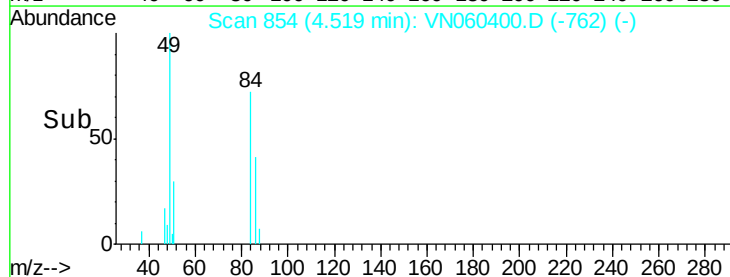
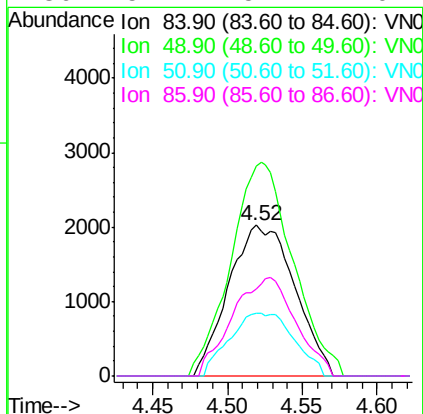
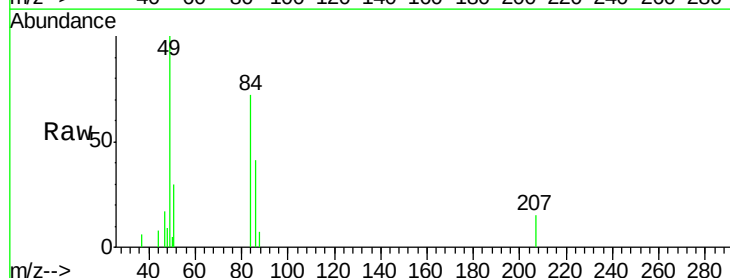
Instrument :
MSVOA_N
ClientSampleId :
PB127354ZHE#05

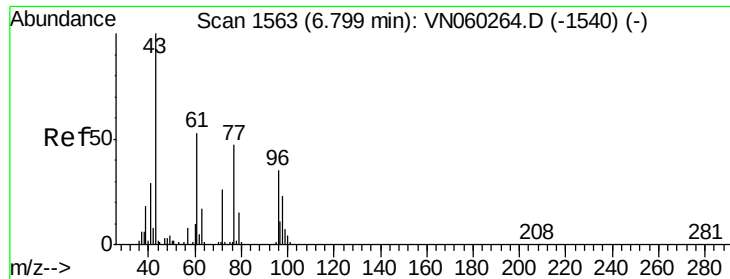
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.89 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060400.D
Acq: 9 Mar 2020 14:03

Tgt Ion: 84 Resp: 6212
Ion Ratio Lower Upper
84 100
49 139.4 99.3 148.9
51 41.8 30.1 45.1
86 57.7 51.1 76.7

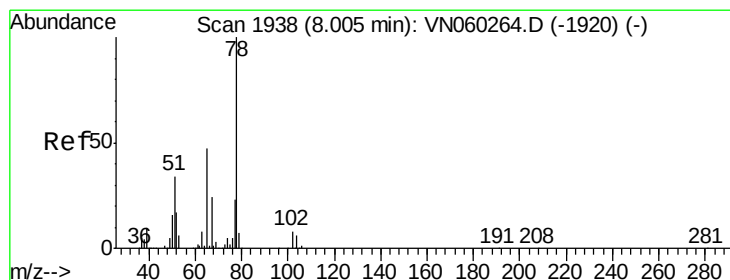
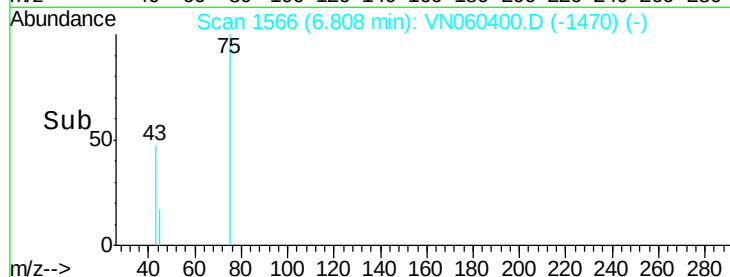
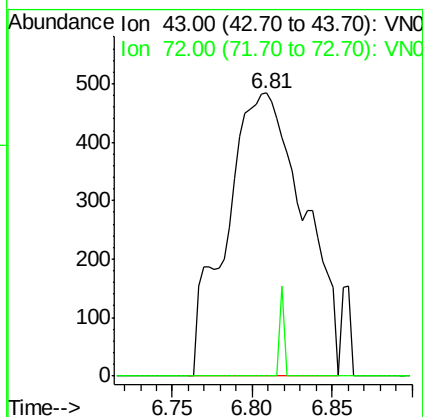
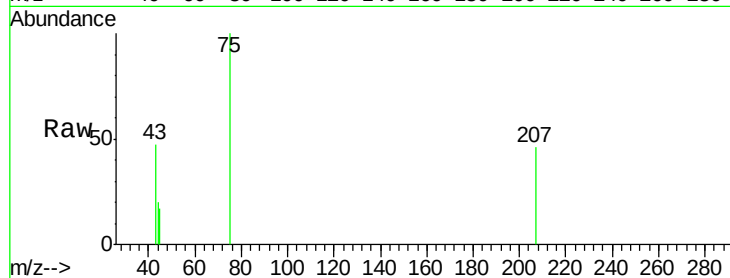




#25
 2-Butanone
 Concen: 1.28 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

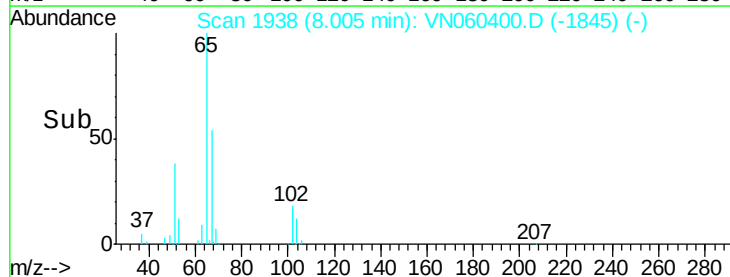
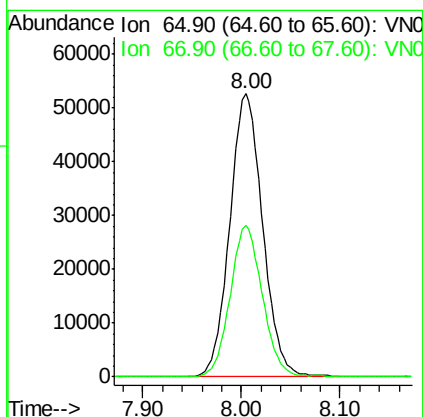
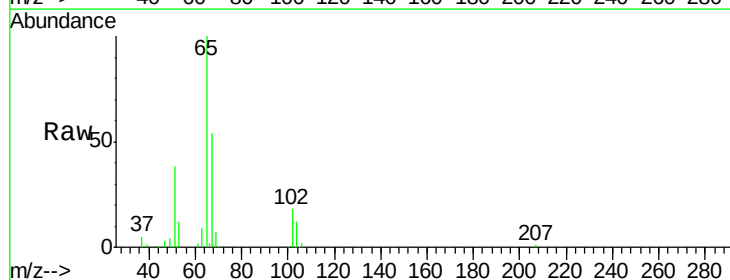
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

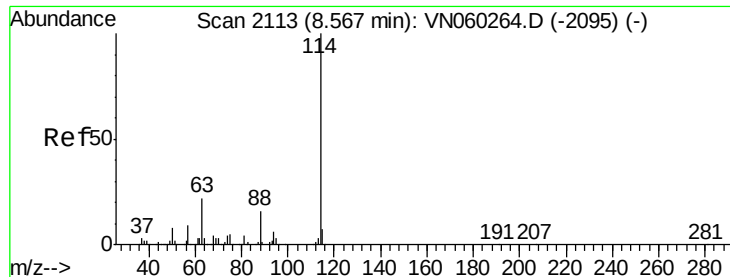
Tgt Ion: 43 Resp: 1614
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.46 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

Tgt Ion: 65 Resp: 122196
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8

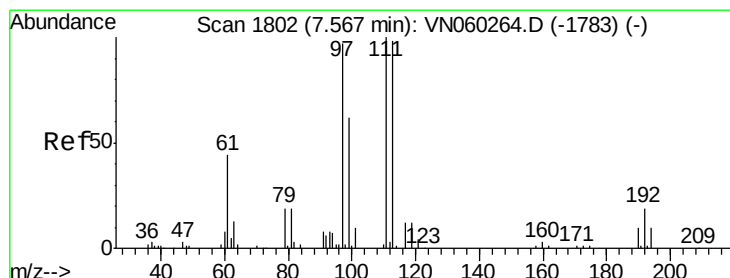
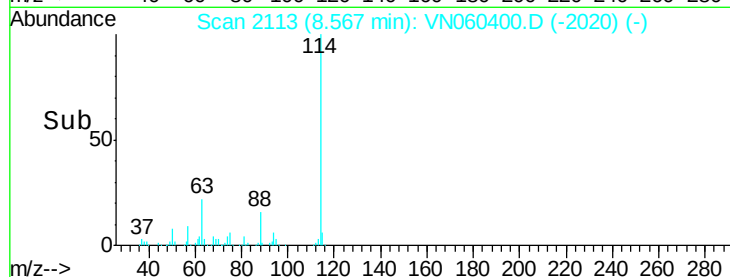
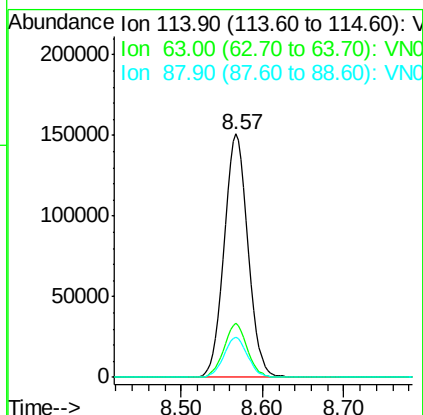
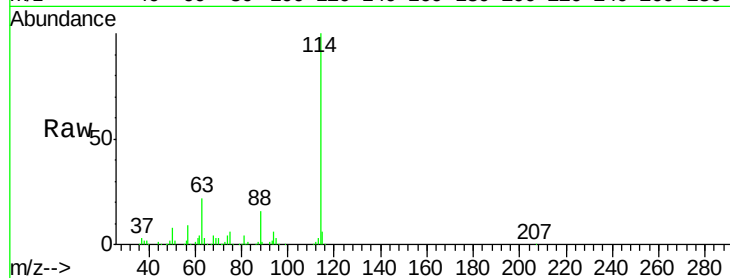




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

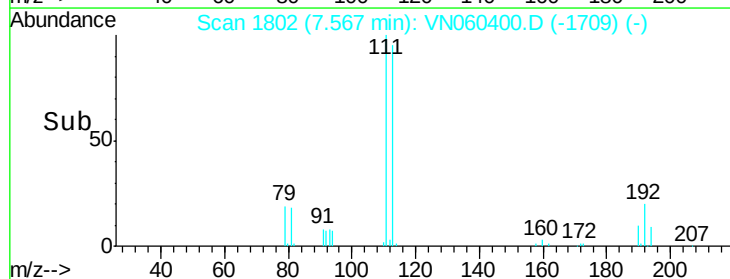
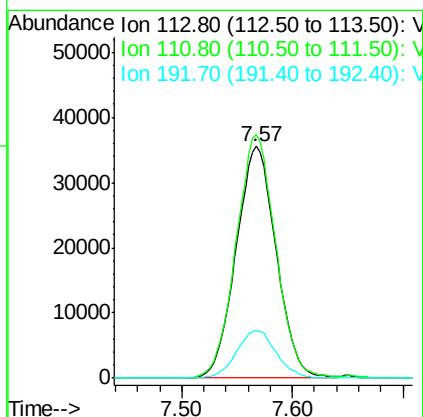
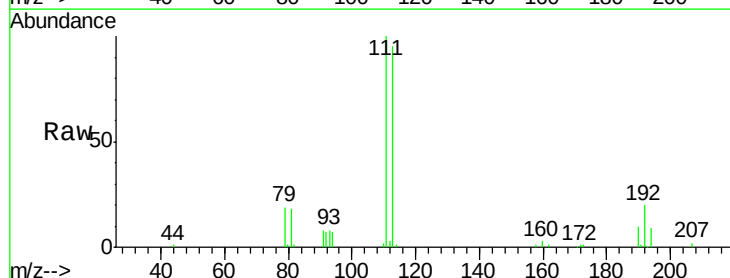
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

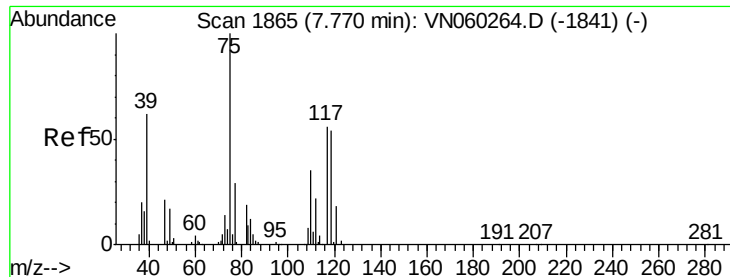
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.3	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 61.76 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.2	16.2	24.2

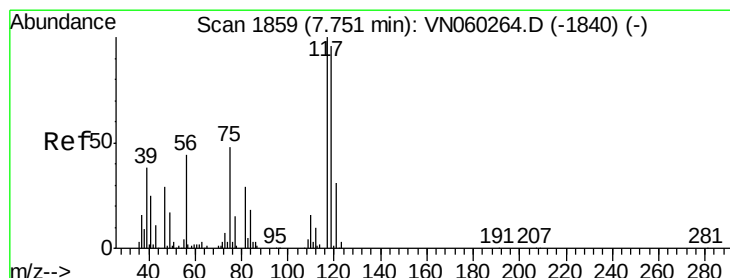
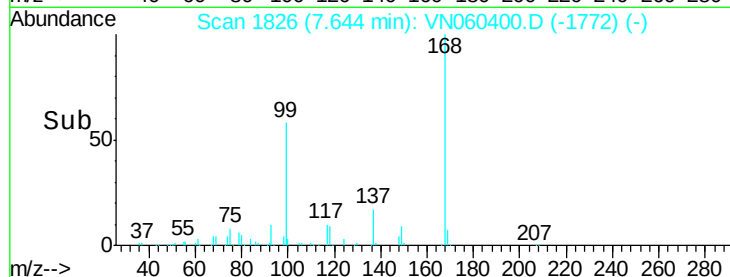
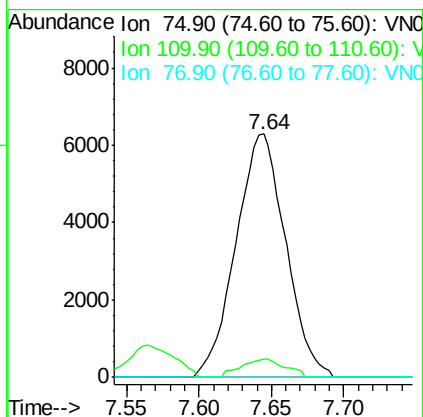
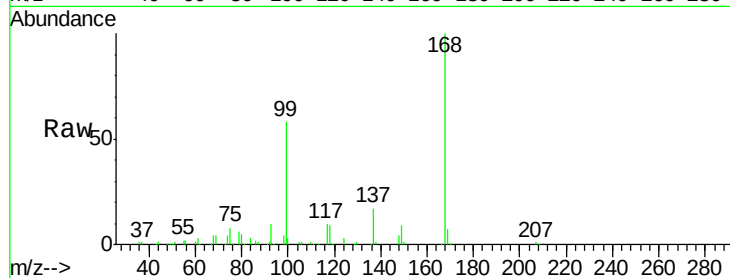




#36
 1,1-Dichloropropene
 Concen: 5.03 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

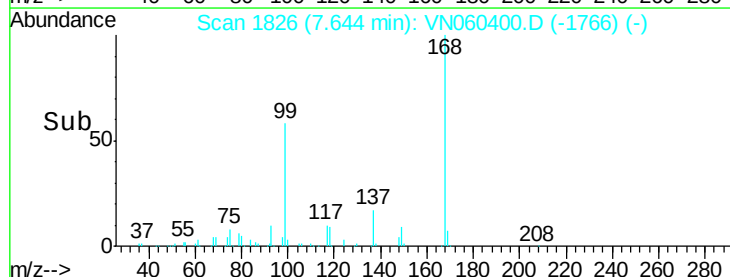
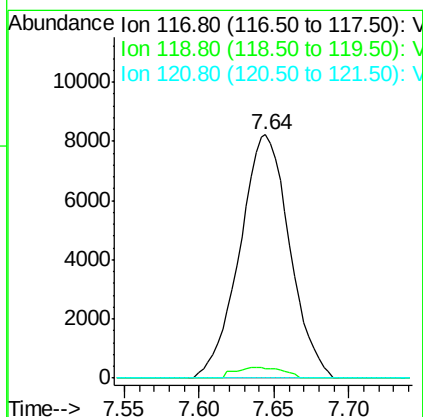
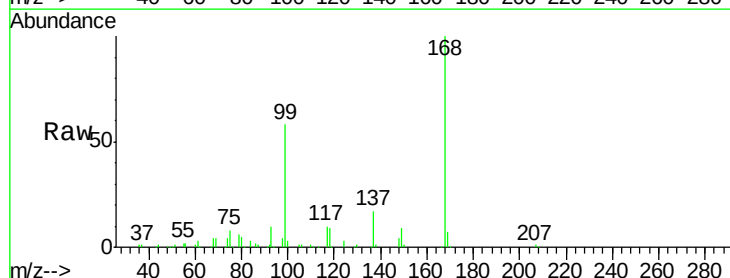
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

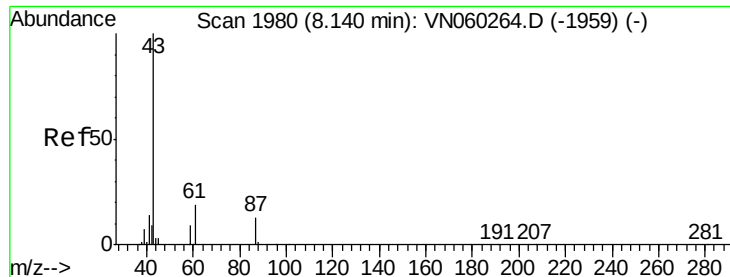
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.8	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.57 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.7	115.1#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 8.43 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#05

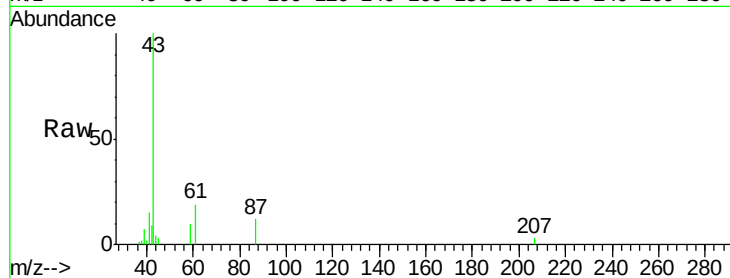
Tgt Ion: 43 Resp: 41592

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

87 13.0 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060400.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060400.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060400.D (-1887) (-)

Time-->

8.05 8.10 8.15 8.20 8.25

25000

20000

15000

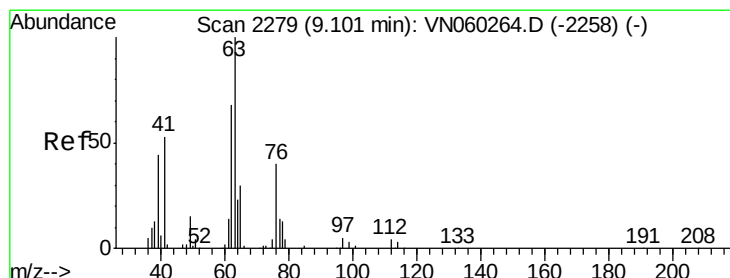
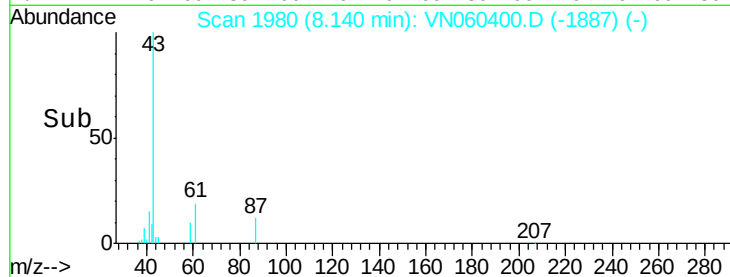
10000

5000

0

8.14

8.05 8.10 8.15 8.20 8.25



#45

1,2-Dichloropropane

Concen: 0.38 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060400.D

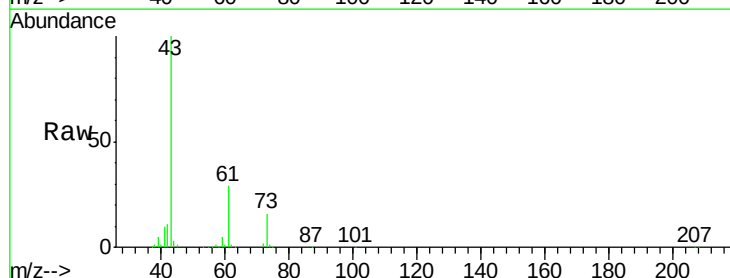
Acq: 9 Mar 2020 14:03

Tgt Ion: 63 Resp: 857

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060400.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060400.D (-2186) (-)

Time-->

9.20 9.22 9.24 9.26 9.28

500

400

300

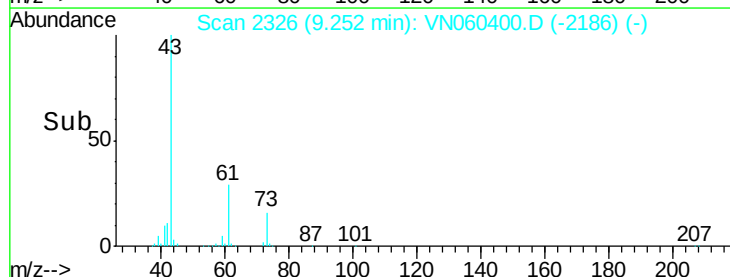
200

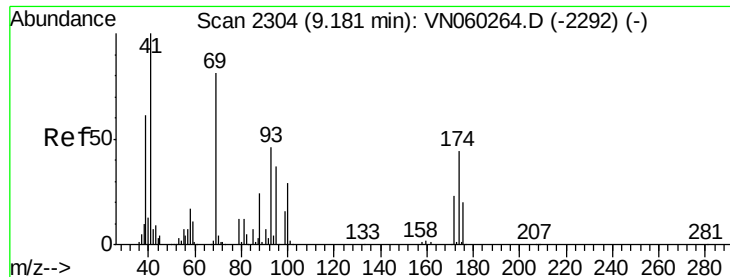
100

0

9.25

9.20 9.22 9.24 9.26 9.28





#48

Methyl methacrylate

Concen: 1.00 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#05

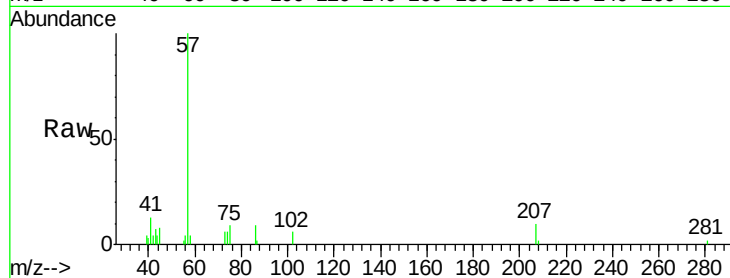
Tgt Ion: 41 Resp: 2240

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

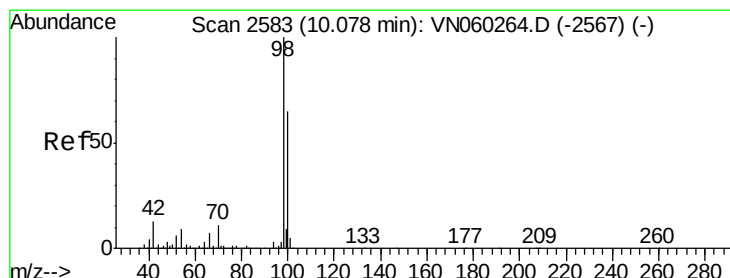
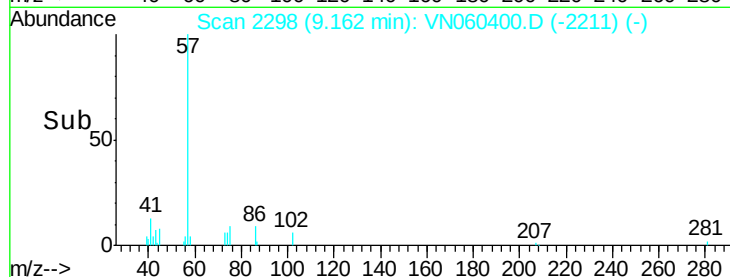
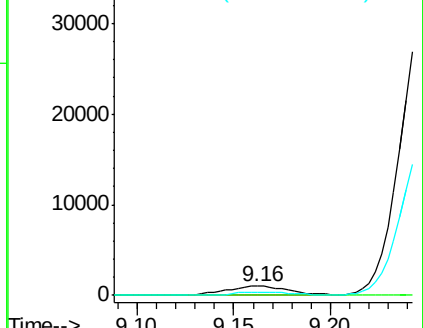
39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VN060400.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060400.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060400.D (-2292) (-)



#50

Toluene-d8

Concen: 52.29 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060400.D

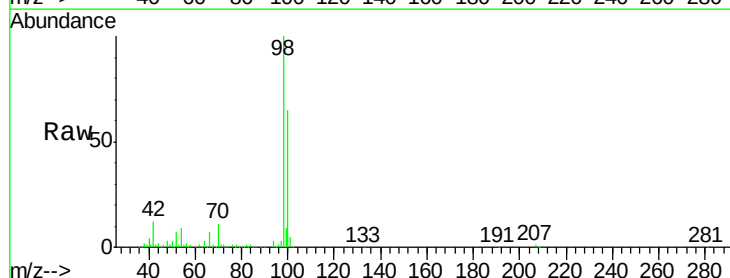
Acq: 9 Mar 2020 14:03

Tgt Ion: 98 Resp: 383740

Ion Ratio Lower Upper

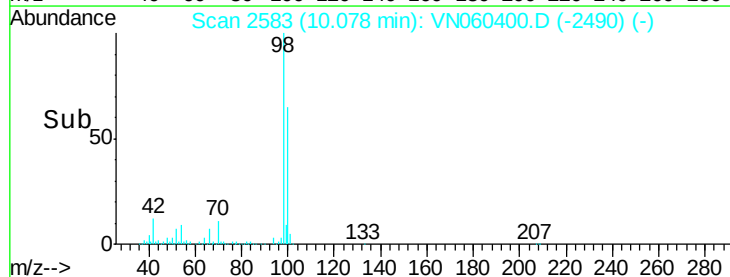
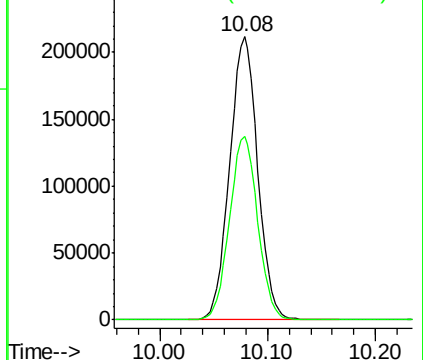
98 100

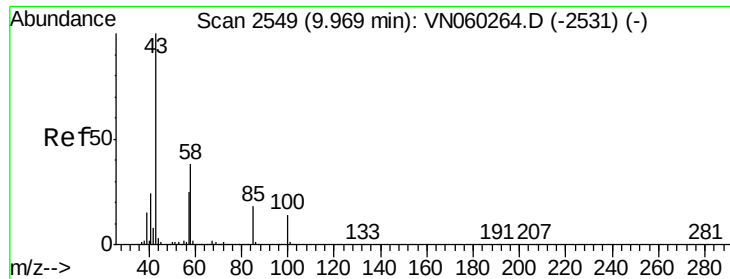
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060400.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060400.D (-2567) (-)

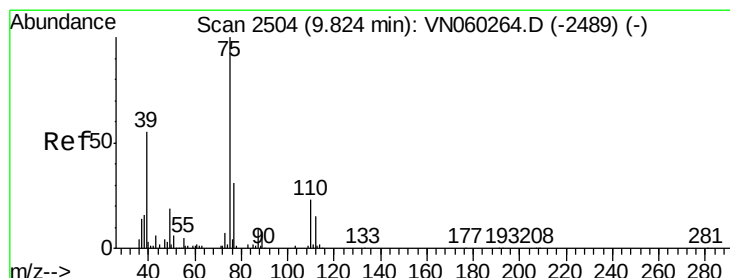
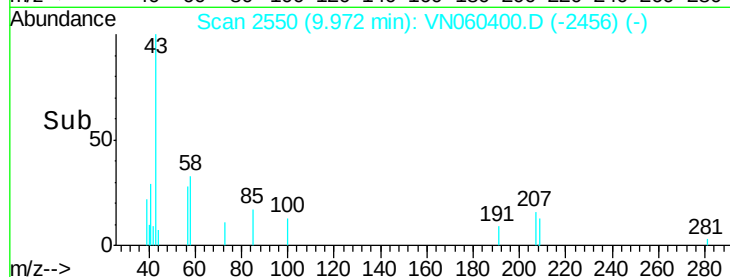
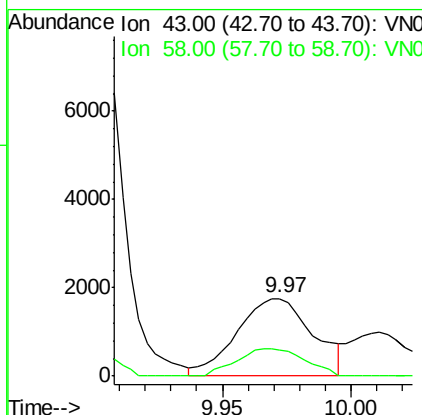
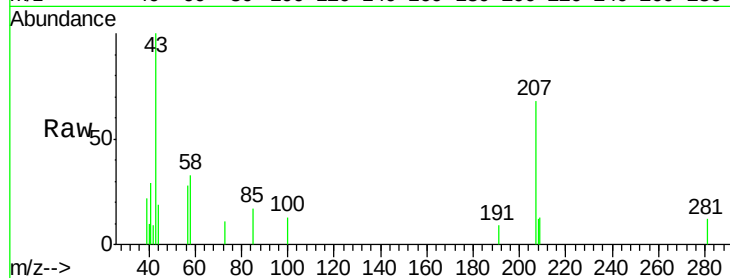




#51
 4-Methyl-2-Pentanone
 Concen: 1.29 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

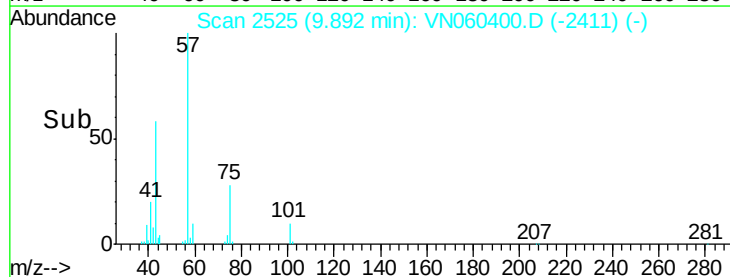
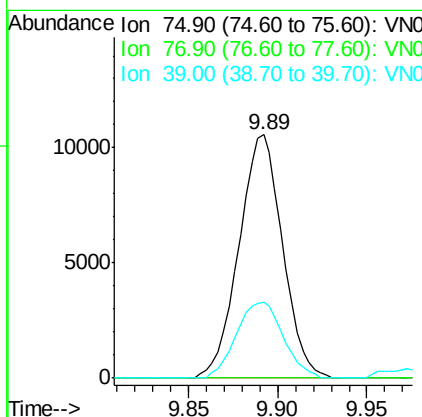
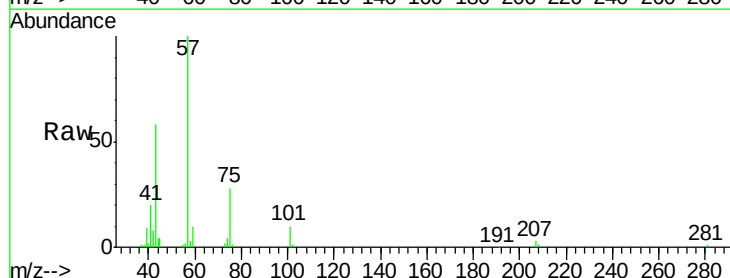
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

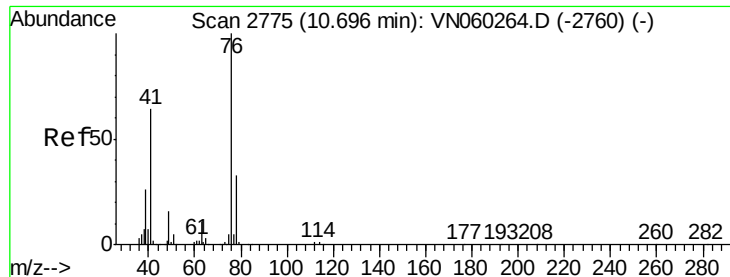
Tgt Ion: 43 Resp: 3606
 Ion Ratio Lower Upper
 43 100
 58 31.9 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 4.75 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

Tgt Ion: 75 Resp: 18022
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.2 43.8 65.8#

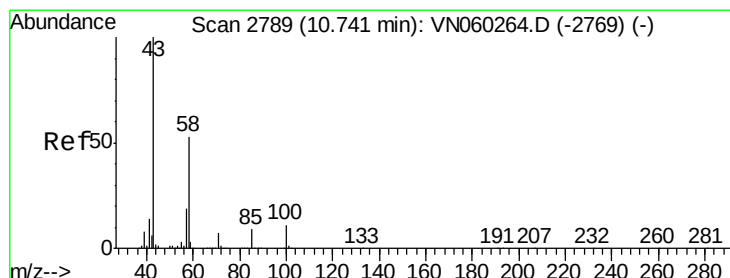
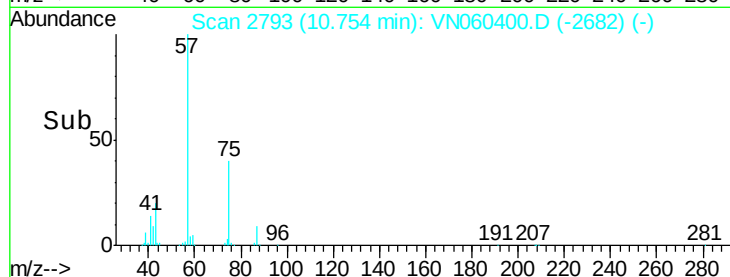
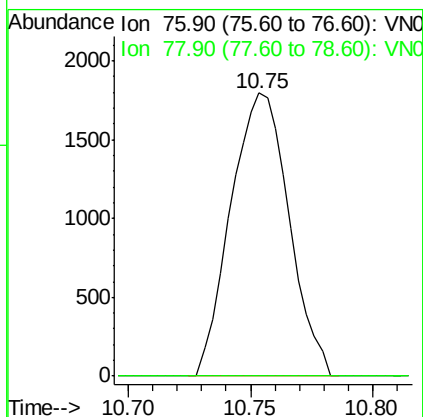
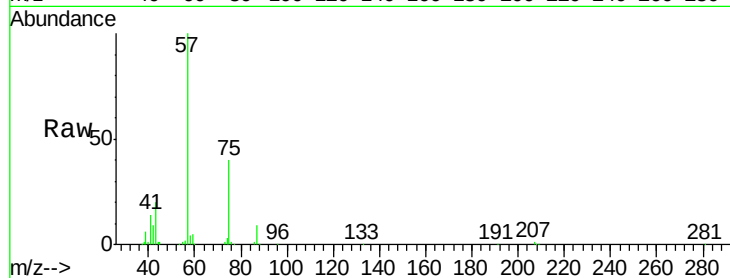




#57
 1,3-Dichloropropane
 Concen: 0.83 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

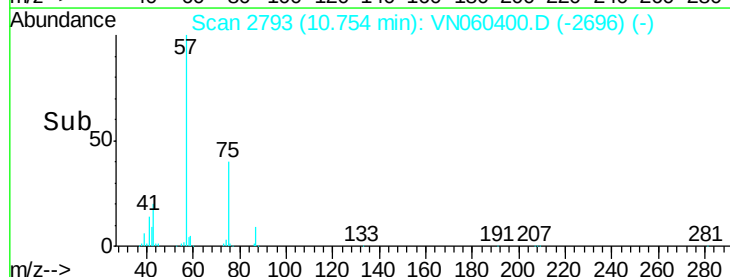
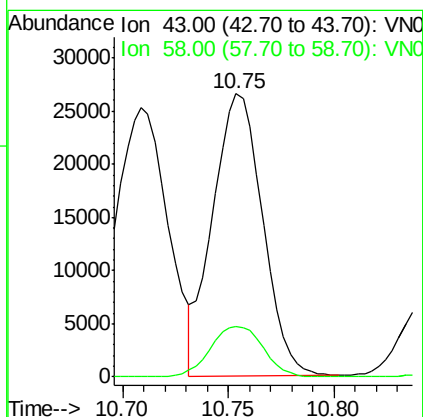
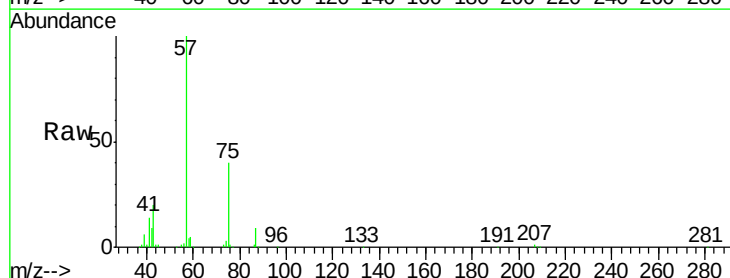
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127354ZHE#05

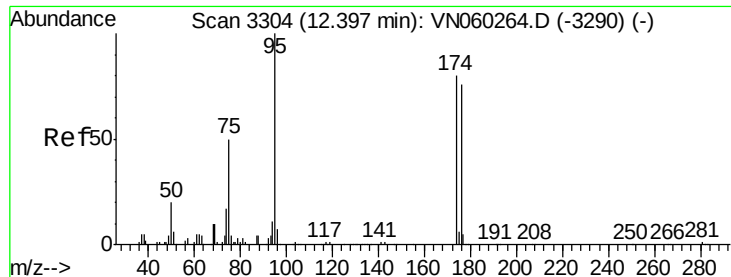
Tgt Ion: 76 Resp: 2965
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 21.22 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060400.D
 Acq: 9 Mar 2020 14:03

Tgt Ion: 43 Resp: 43593
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.5 79.5#

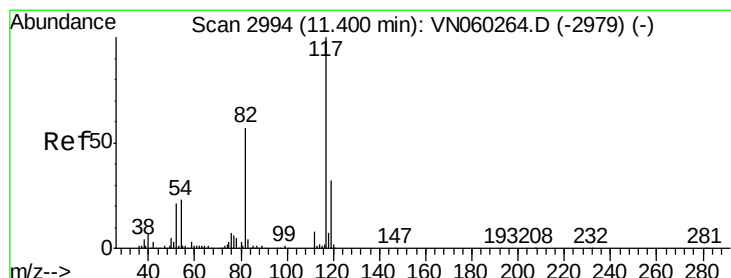
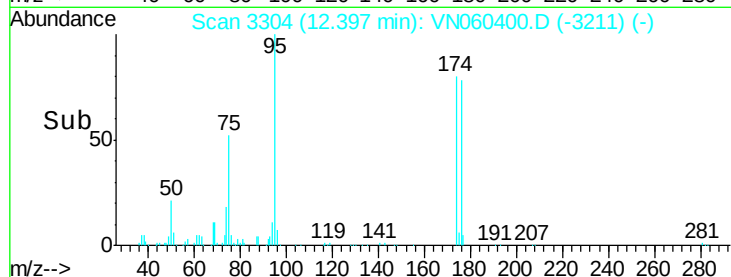
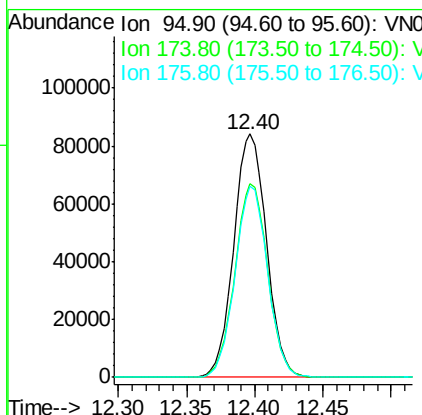
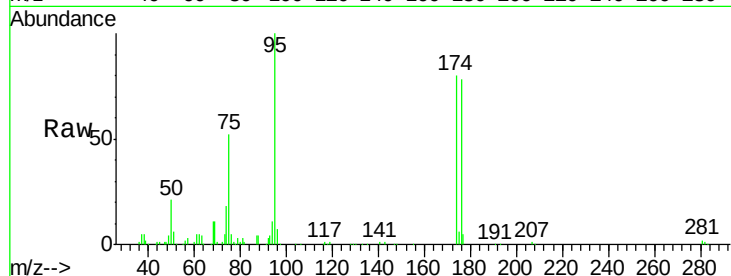




#62
4-Bromofluorobenzene
Concen: 50.42 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060400.D
Acq: 9 Mar 2020 14:03

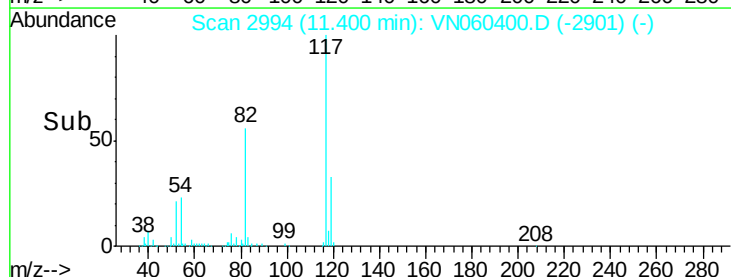
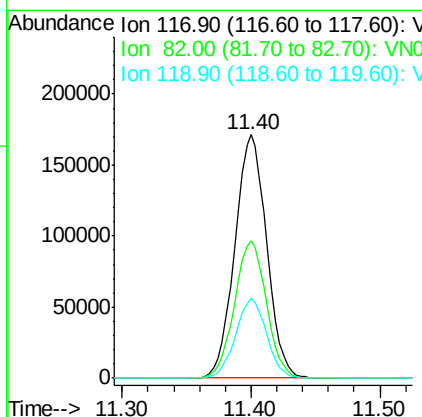
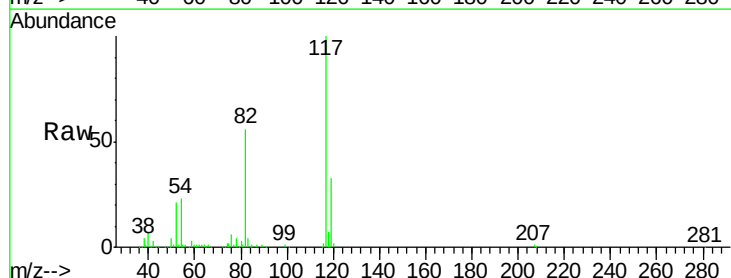
Instrument :
MSVOA_N
ClientSampleId :
PB127354ZHE#05

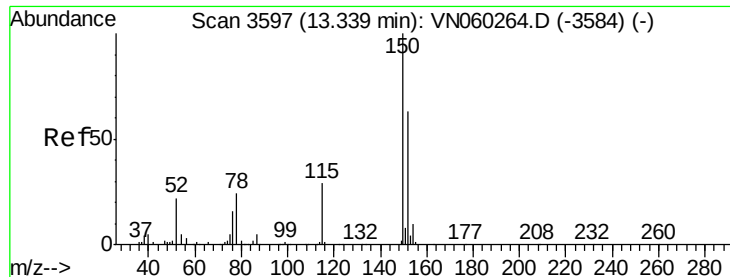
Tgt Ion: 95 Resp: 140269
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.2
176 77.9 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060400.D
Acq: 9 Mar 2020 14:03

Tgt Ion: 117 Resp: 292302
Ion Ratio Lower Upper
117 100
82 56.4 45.8 68.6
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#05

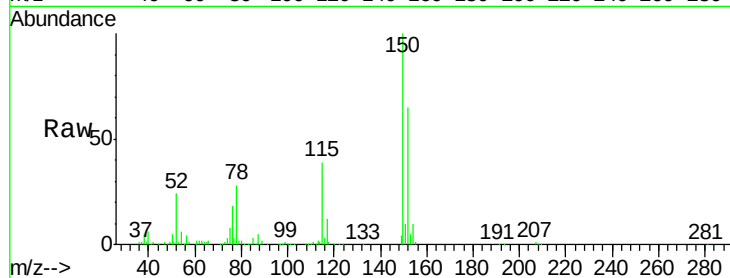
Tgt Ion:152 Resp: 133307

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

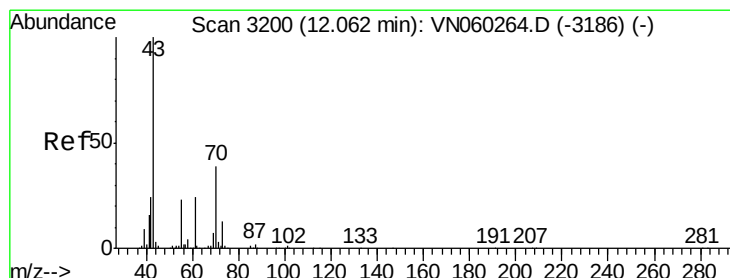
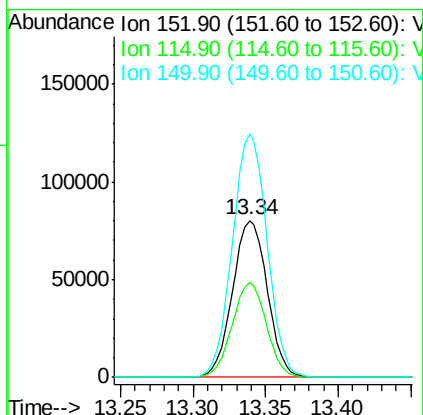
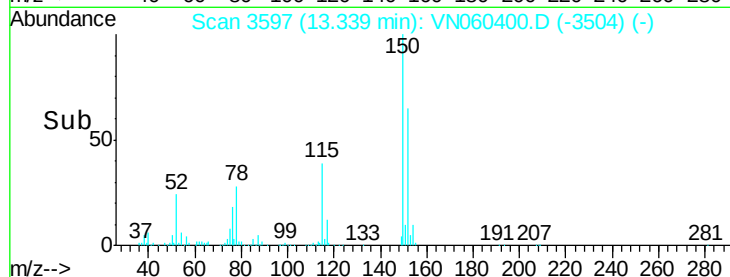
150 155.3 0.0 349.6



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: 0.62 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Tgt Ion: 43 Resp: 2678

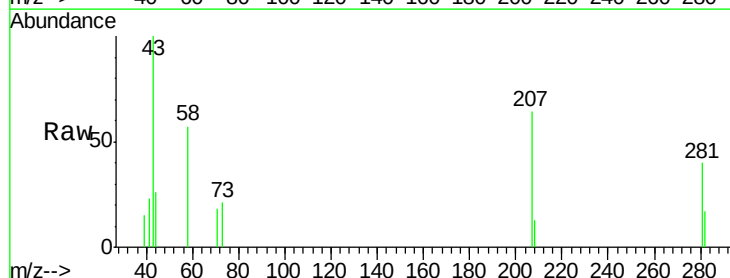
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

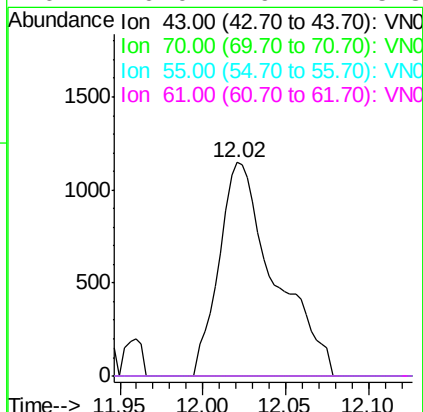
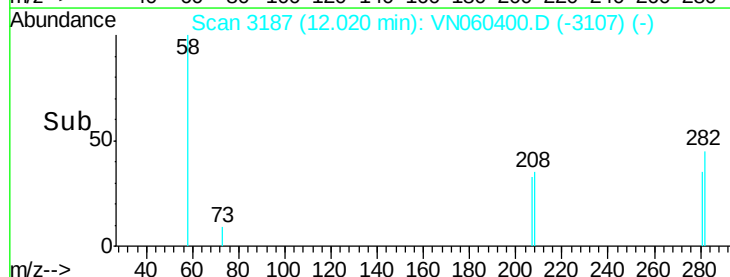


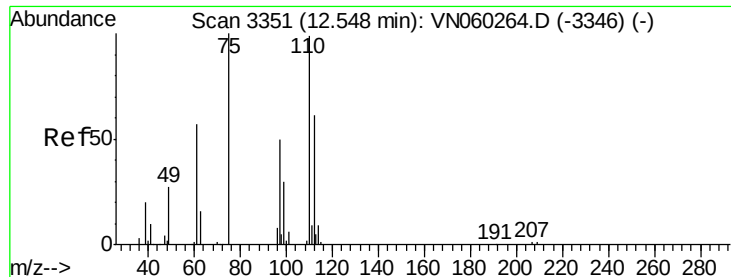
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.06 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

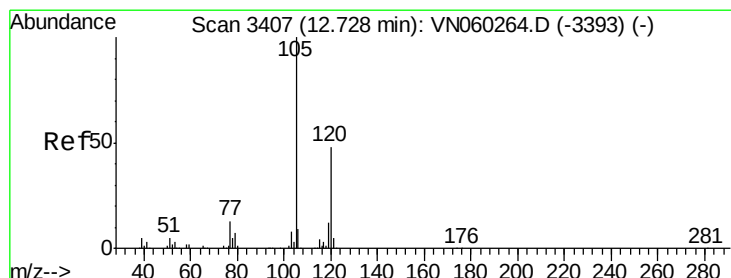
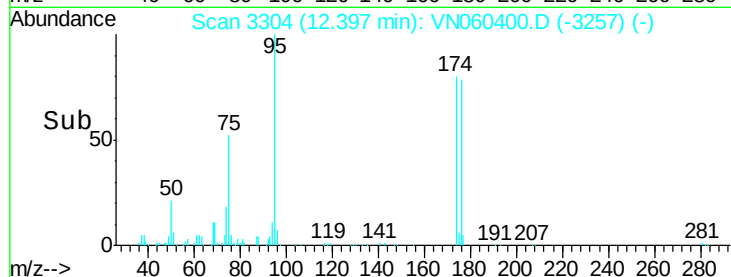
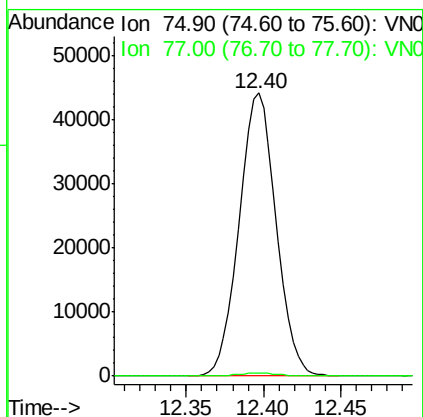
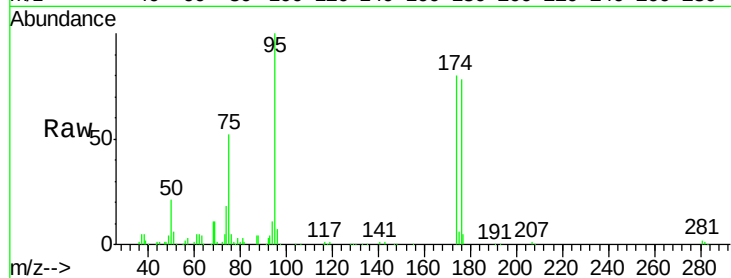
PB127354ZHE#05

Tgt Ion: 75 Resp: 73291

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.49 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060400.D

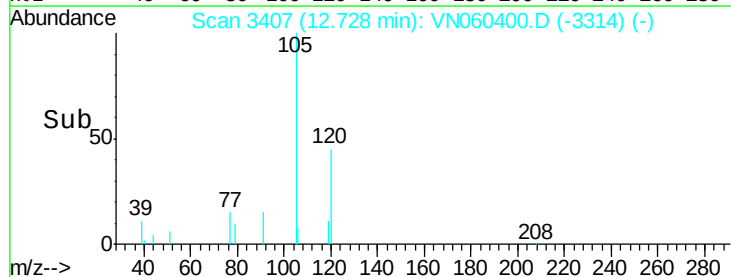
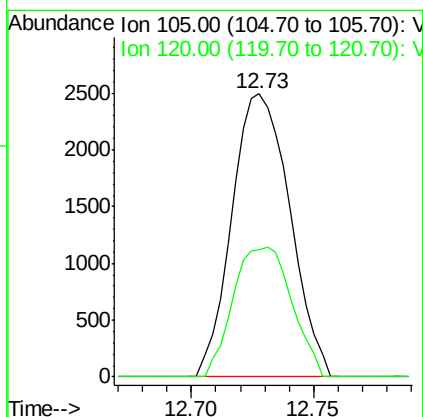
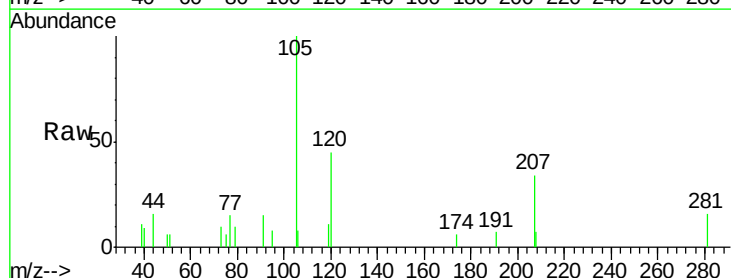
Acq: 9 Mar 2020 14:03

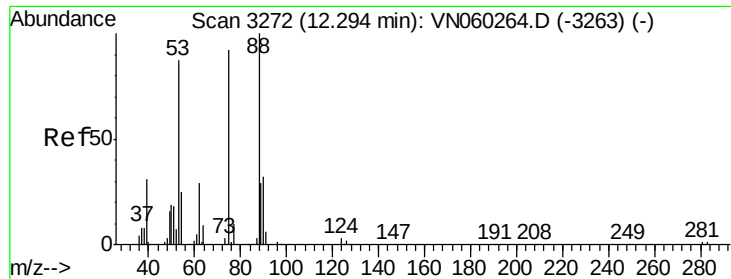
Tgt Ion: 105 Resp: 4105

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 69.17 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#05

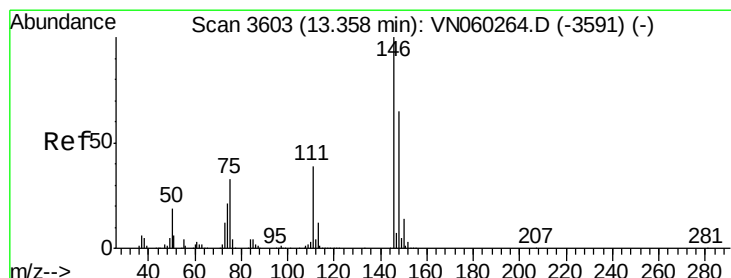
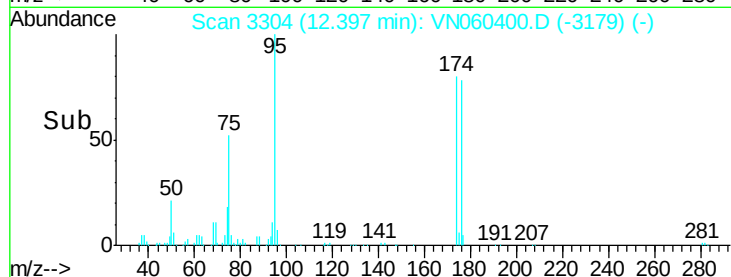
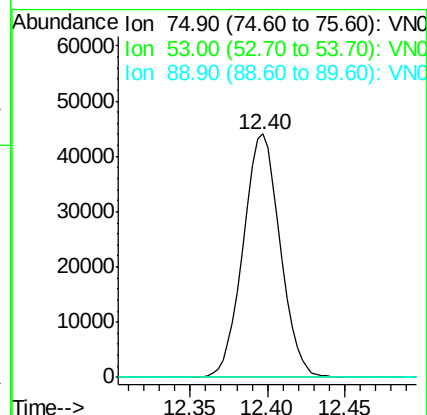
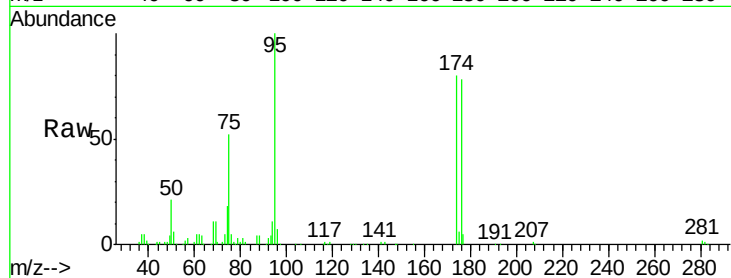
Tgt Ion: 75 Resp: 73291

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060400.D

Acq: 9 Mar 2020 14:03

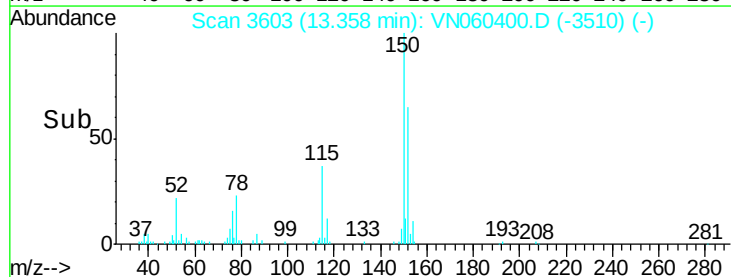
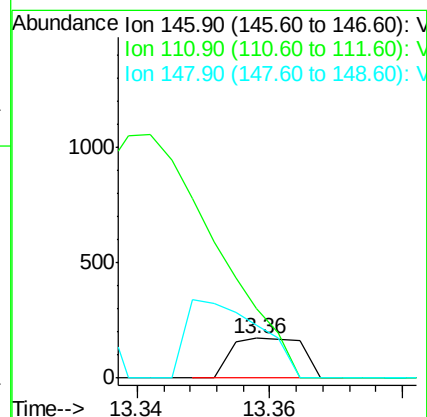
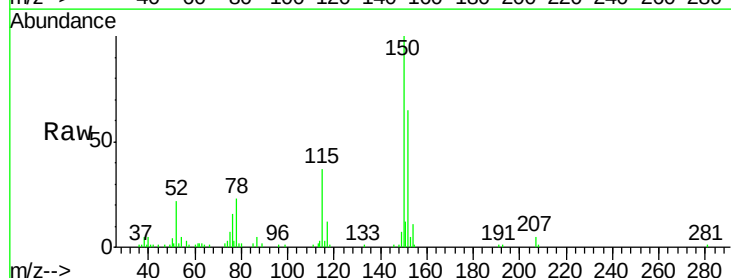
Tgt Ion: 146 Resp: 127

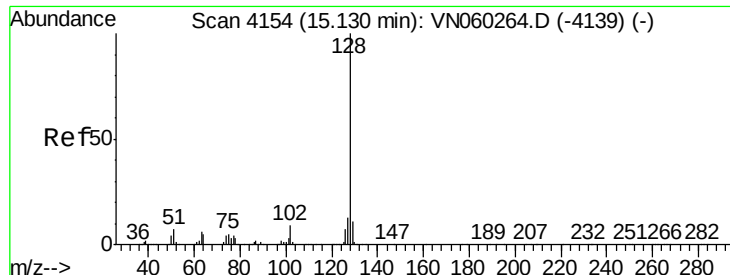
Ion Ratio Lower Upper

146 100

111 1421.3 19.8 59.4#

148 204.7 32.3 96.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN060400.D

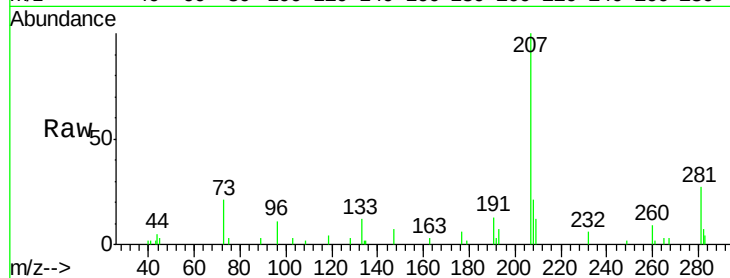
Acq: 9 Mar 2020 14:03

Instrument :

MSVOA_N

ClientSampleId :

PB127354ZHE#05



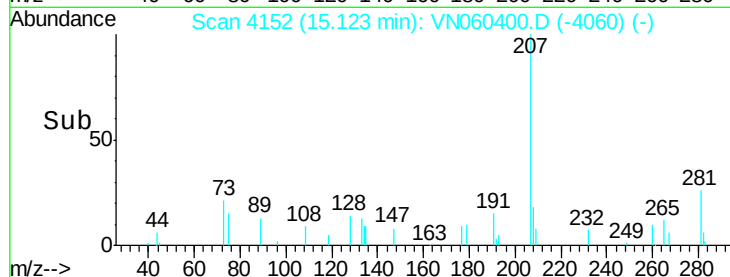
Tgt Ion:128 Resp: 385

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

