

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060417.D
 Acq On : 10 Mar 2020 15:24
 Operator : JC/MD
 Sample : PB127392ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#12

Quant Time: Mar 11 06:41:17 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	202379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	128138	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.57	113	97528	63.69	ug/l	0.00
Spiked Amount			Recovery	=	127.38%	
50) Toluene-d8	10.08	98	408113	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.40	95	151525	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

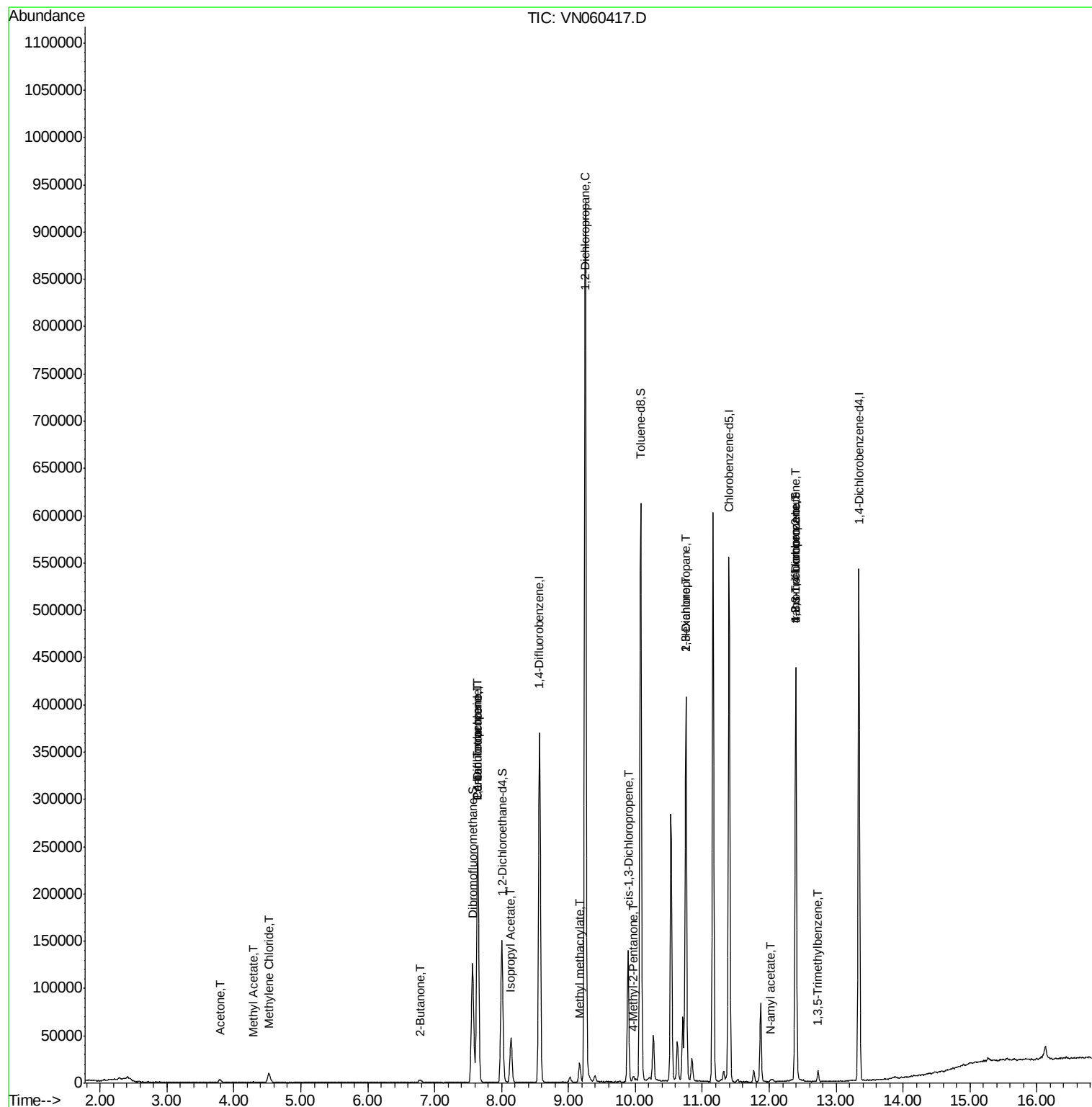
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6425	7.662	ug/l	92
18) Methyl Acetate	4.29	43	1608	0.575	ug/l #	52
20) Methylene Chloride	4.52	84	7489	3.252	ug/l	94
25) 2-Butanone	6.80	43	670	0.495	ug/l #	49
31) Cyclohexane	7.64	56	4381	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16159	5.139	ug/l #	50
38) Carbon Tetrachloride	7.64	117	20055	6.551	ug/l #	16
43) Isopropyl Acetate	8.14	43	56867	10.911	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1034	0.432	ug/l #	44
48) Methyl methacrylate	9.17	41	2814	1.184	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4215	1.426	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	24652	6.149	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4184	1.110	ug/l #	42
59) 2-Hexanone	10.75	43	59611	27.474	ug/l #	51
74) N-amyl acetate	12.02	43	2560	0.558	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77785	25.011	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6490	0.734	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	77785	69.043	ug/l #	8
95) Naphthalene	15.13	128	196	Below Cal	#	69

(#) = 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# 1826

Delta R.T. -0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

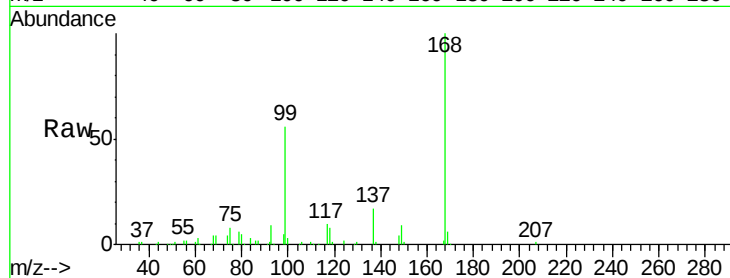
PB127392ZHE#12

Tgt Ion:168 Resp: 202379

Ion Ratio Lower Upper

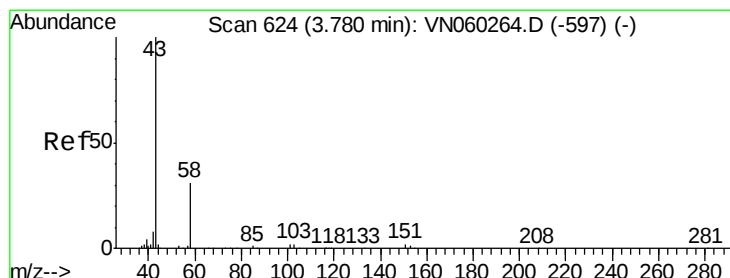
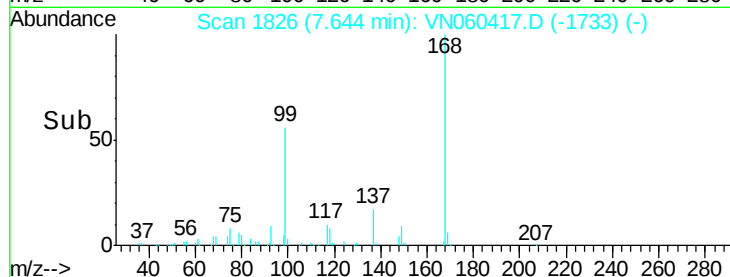
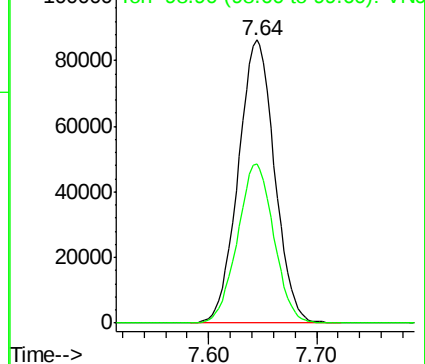
168 100

99 56.1 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: 7.662 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060417.D

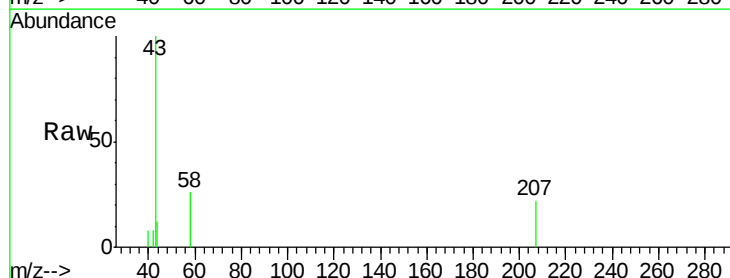
Acq: 10 Mar 2020 15:24

Tgt Ion: 43 Resp: 6425

Ion Ratio Lower Upper

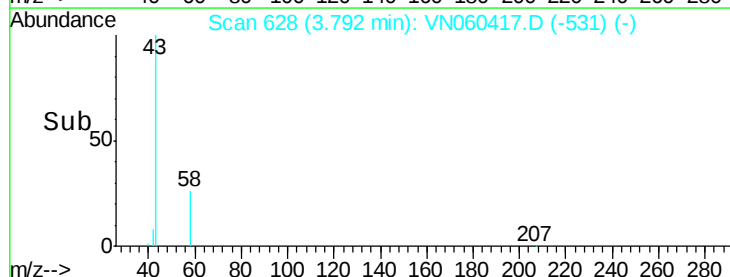
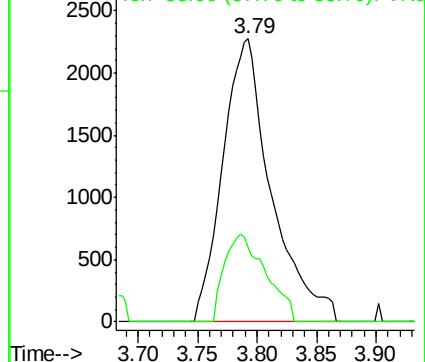
43 100

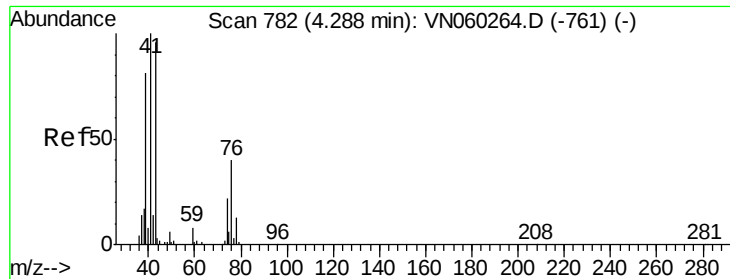
58 26.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

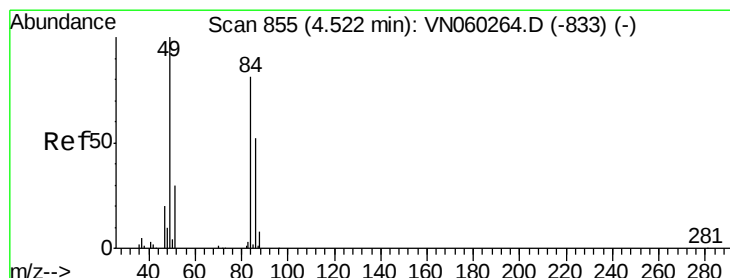
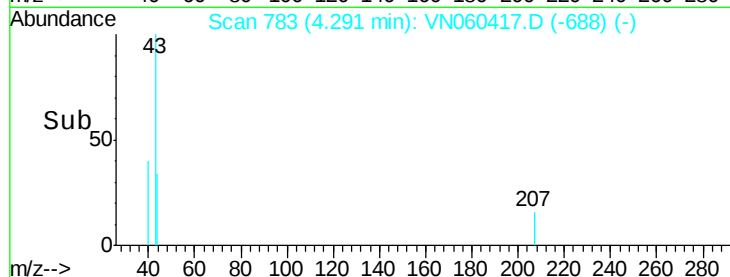
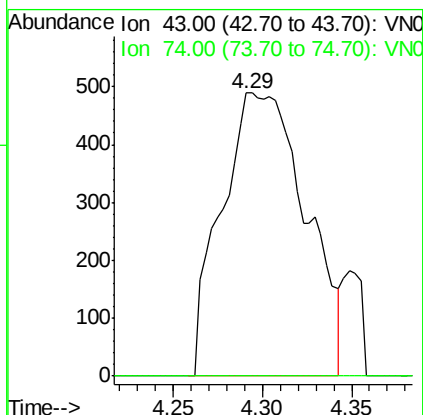
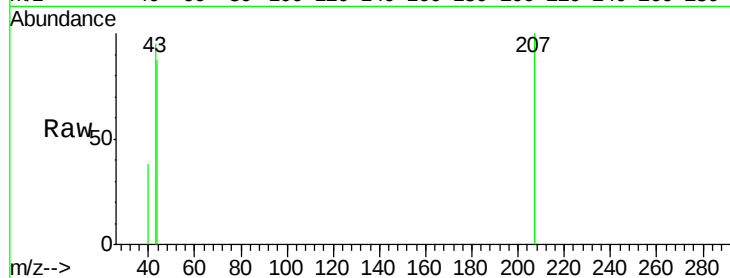




#18
Methyl Acetate
Concen: 0.575 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

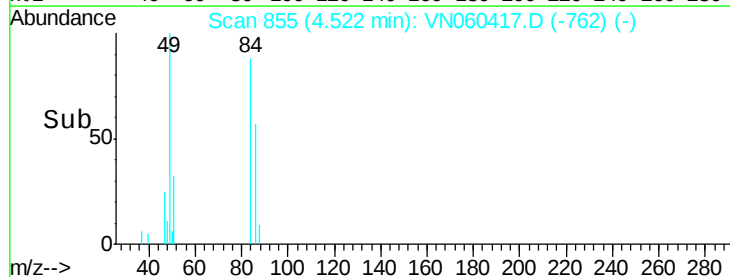
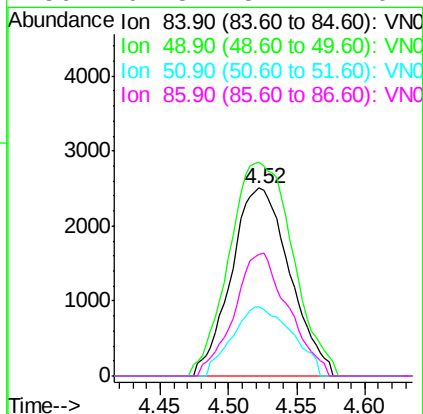
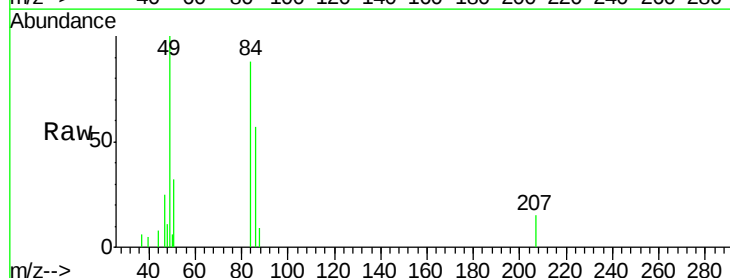
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#12

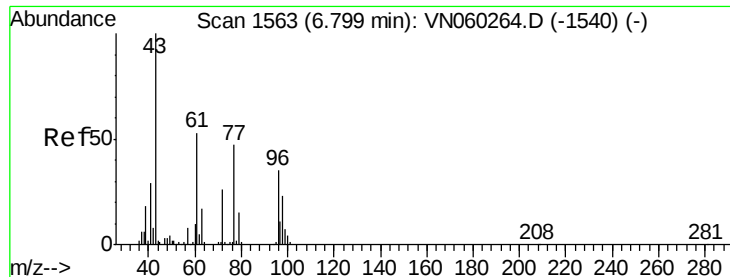
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.252 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

Tgt Ion: 84 Resp: 7489
Ion Ratio Lower Upper
84 100
49 113.7 99.3 148.9
51 36.7 30.1 45.1
86 64.8 51.1 76.7

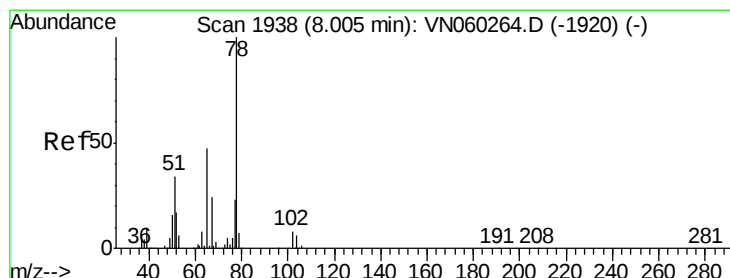
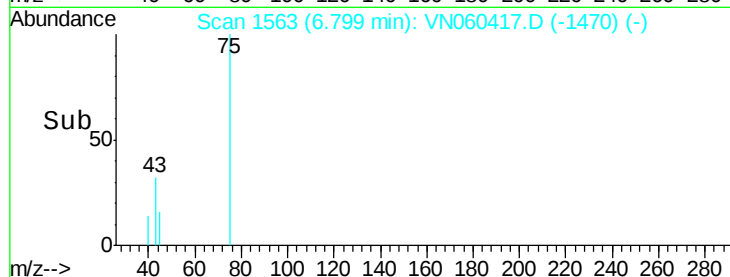
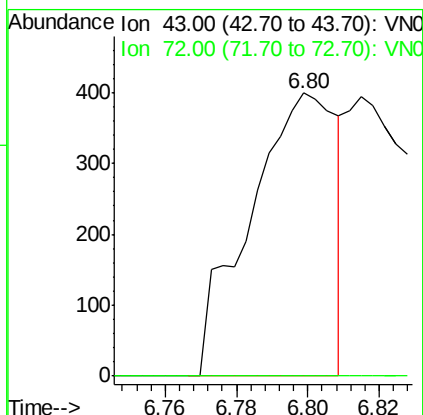
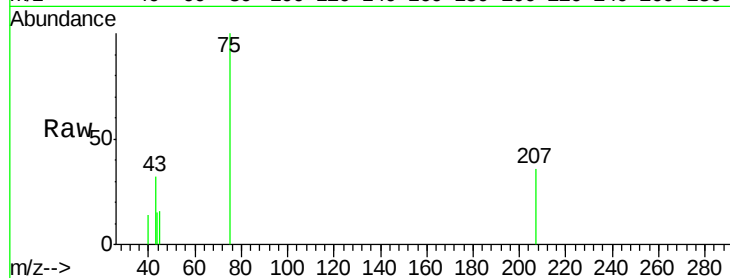




#25
 2-Butanone
 Concen: 0.495 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

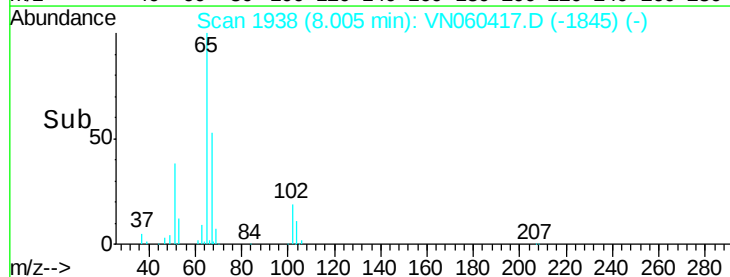
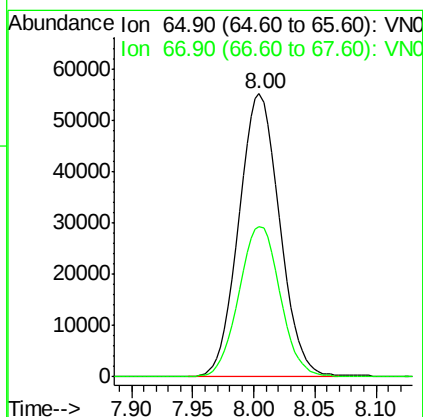
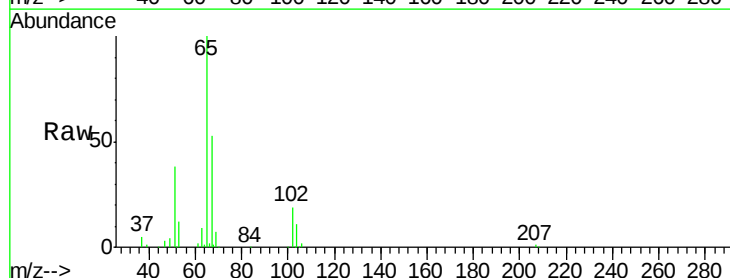
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#12

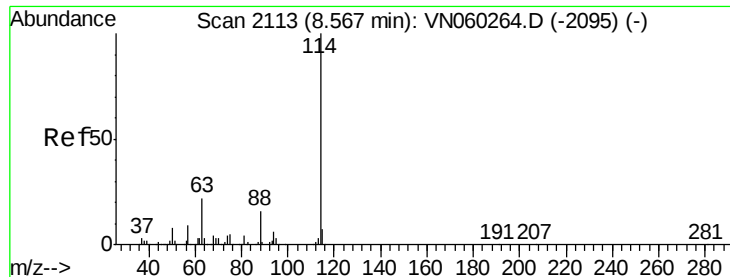
Tgt Ion: 43 Resp: 670
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.349 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

Tgt Ion: 65 Resp: 128138
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#12

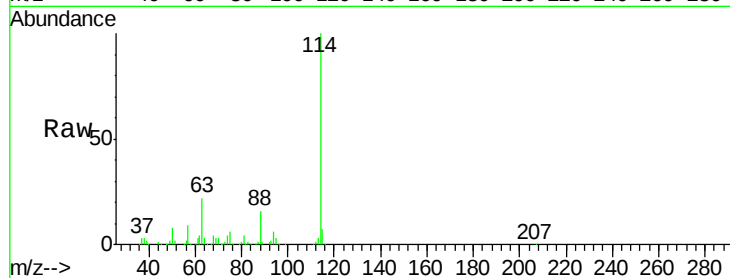
Tgt Ion:114 Resp: 329913

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

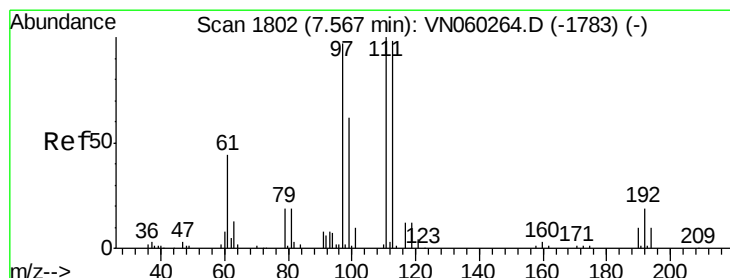
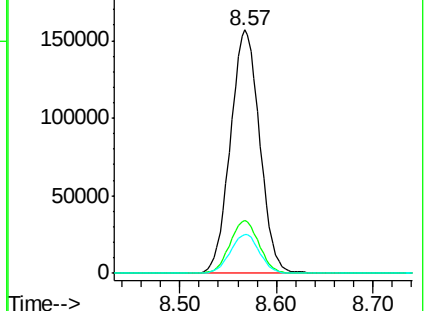
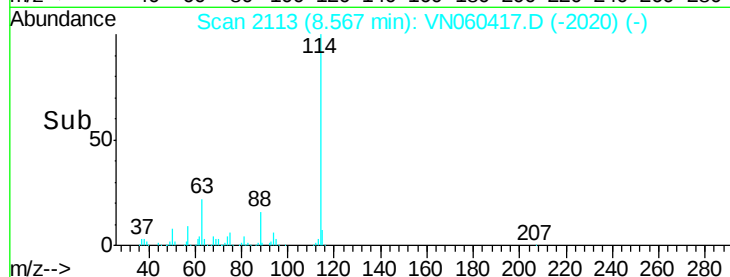
88 16.2 0.0 31.6



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: 63.688 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

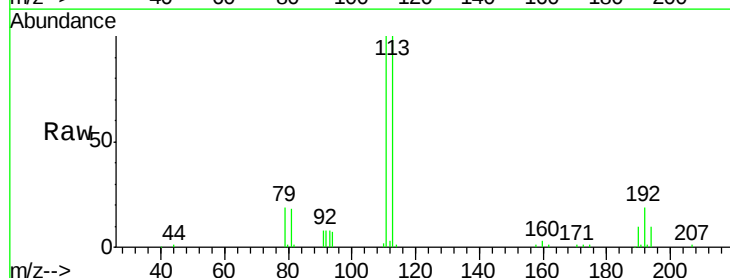
Tgt Ion:113 Resp: 97528

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

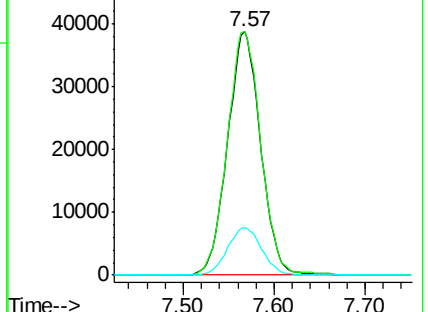
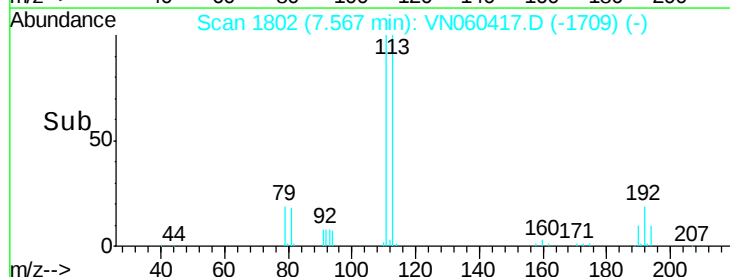
192 20.0 16.2 24.2

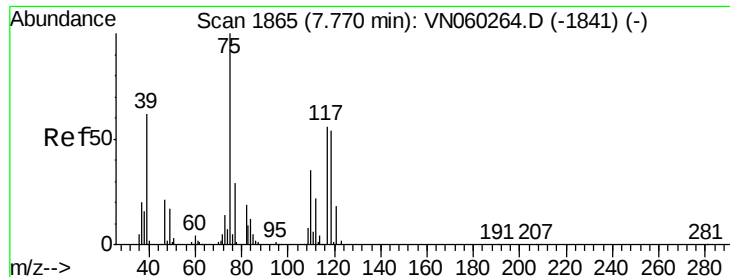


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.139 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#12

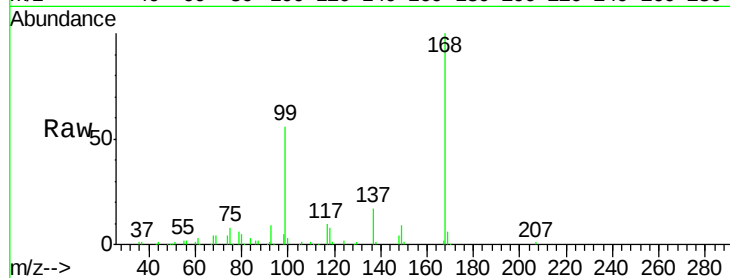
Tgt Ion: 75 Resp: 16159

Ion Ratio Lower Upper

75 100

110 9.0 17.3 52.0#

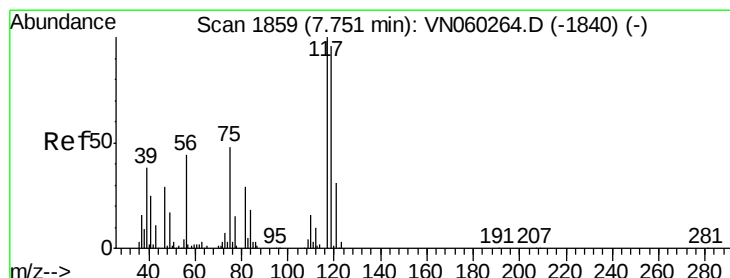
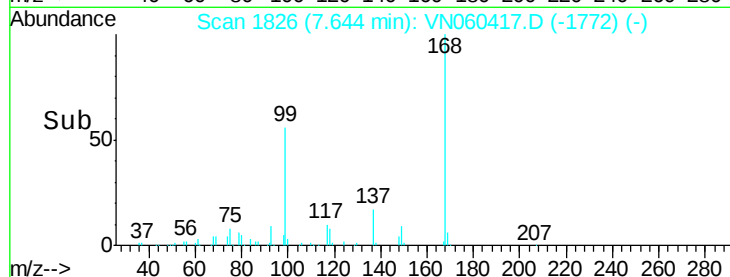
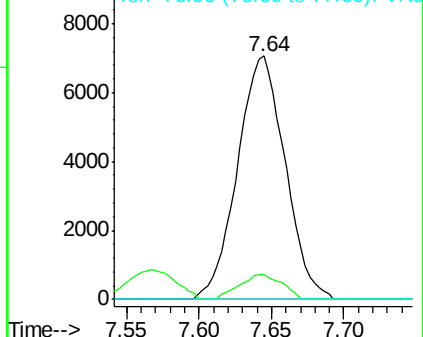
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060417.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060417.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060417.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

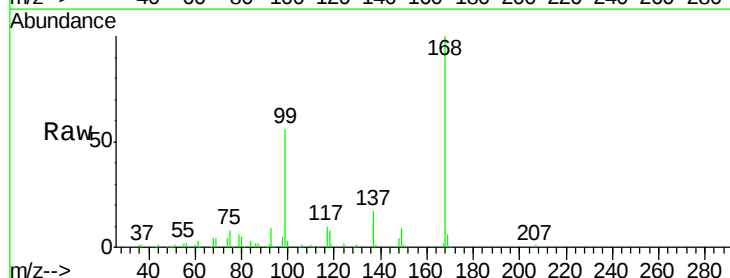
Tgt Ion: 117 Resp: 20055

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

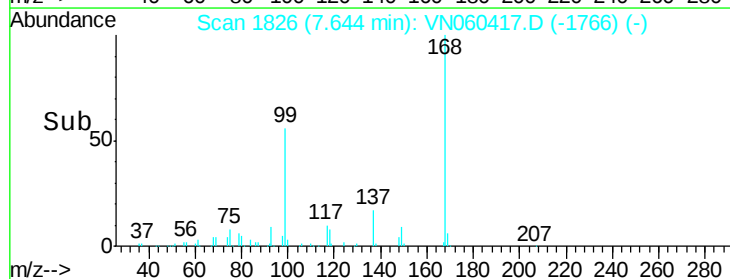
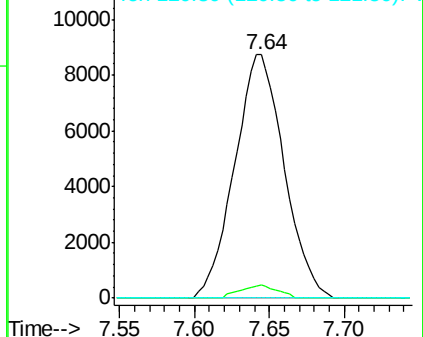
121 0.0 24.5 36.7#

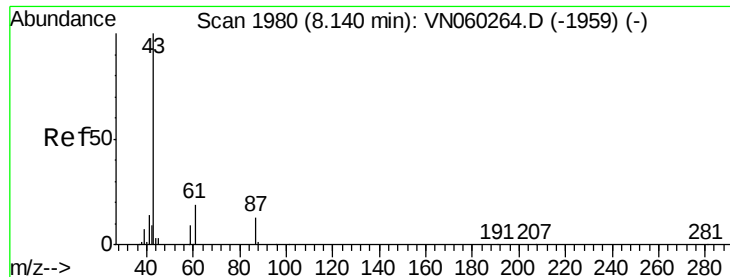


Abundance Ion 116.80 (116.50 to 117.50): VN060417.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060417.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060417.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.911 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

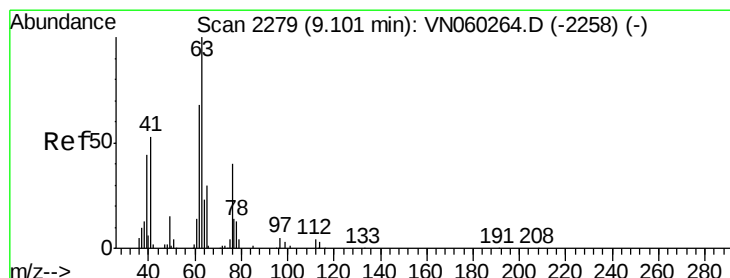
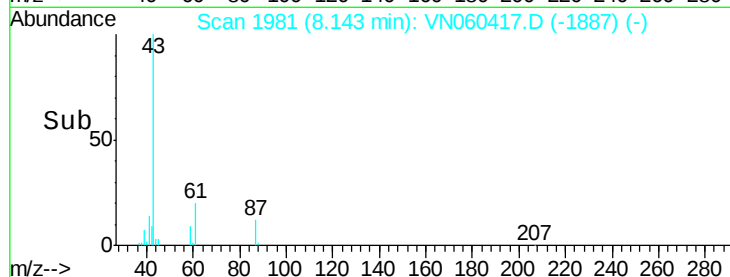
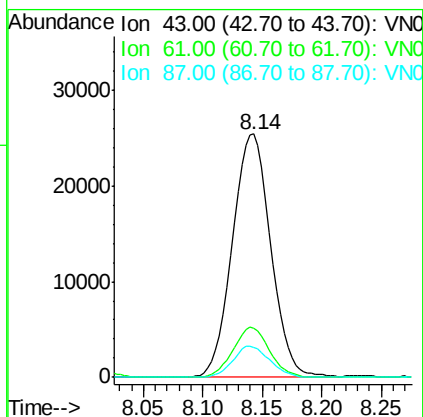
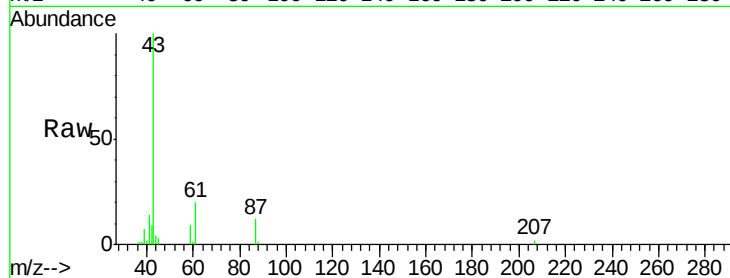
Instrument :

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PB127392ZHE#12

Tgt Ion:	43	Resp:	56867
Ion	Ratio	Lower	Upper
43	100		
61	19.4	20.9	31.3#
87	12.2	10.6	16.0



#45

1,2-Dichloropropane

Concen: 0.432 ug/l

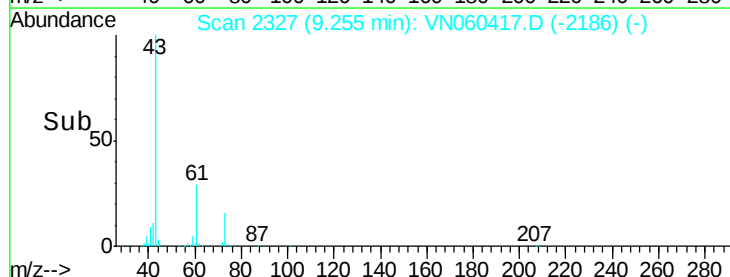
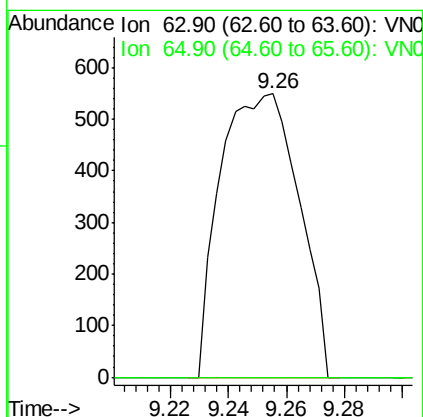
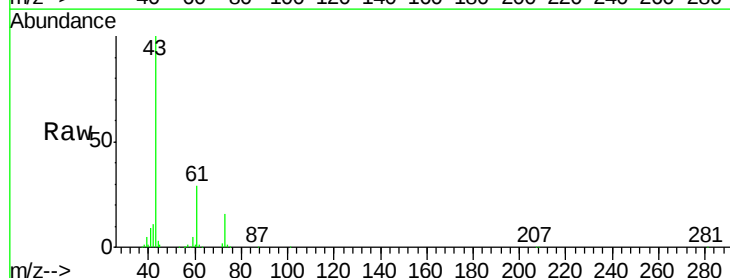
RT: 9.26 min Scan# 2327

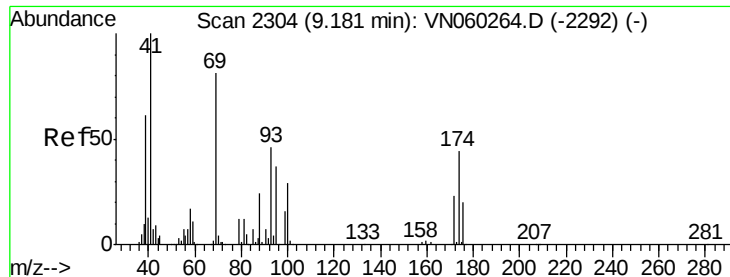
Delta R.T. 0.15 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Tgt Ion:	63	Resp:	1034
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.4	36.6#

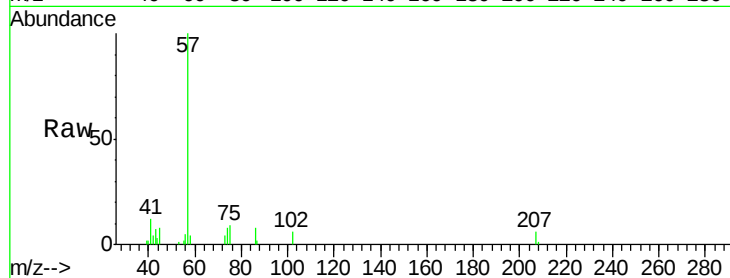




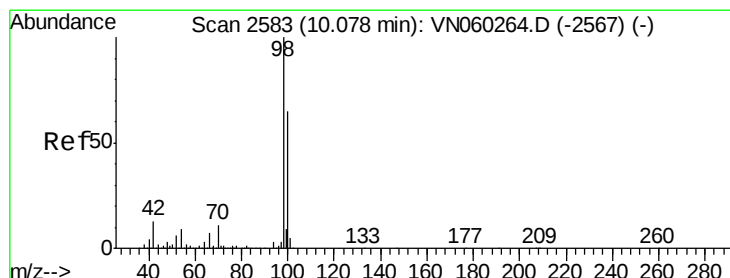
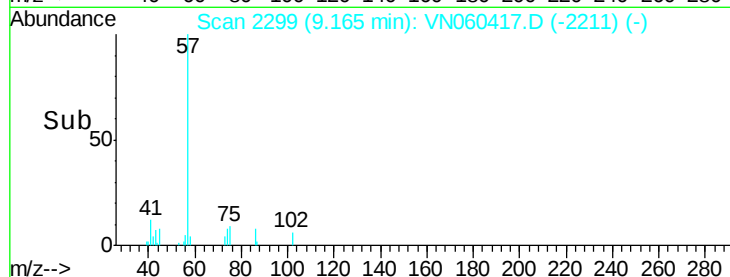
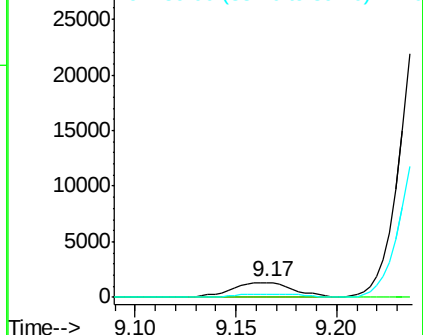
#48
Methyl methacrylate
Concen: 1.184 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#12

Tgt Ion: 41 Resp: 2814
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

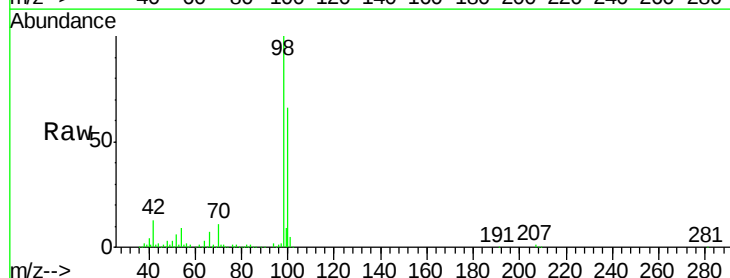


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

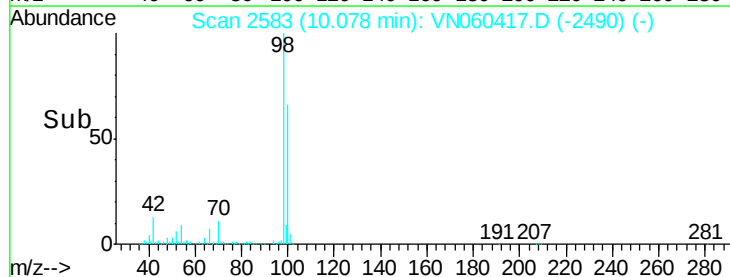
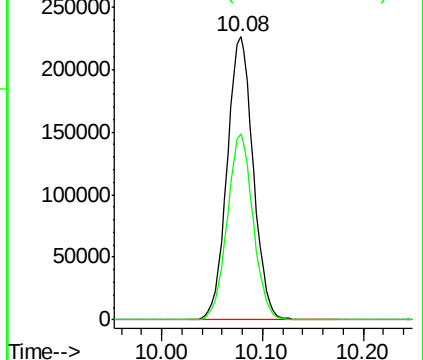


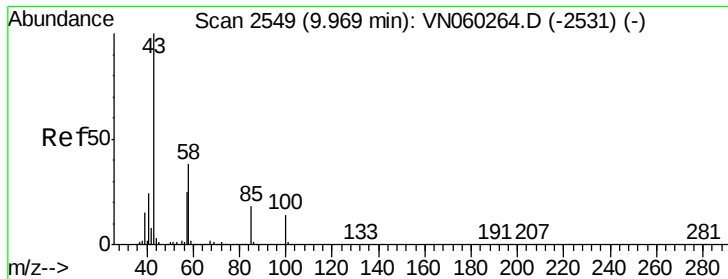
#50
Toluene-d8
Concen: 52.657 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

Tgt Ion: 98 Resp: 408113
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

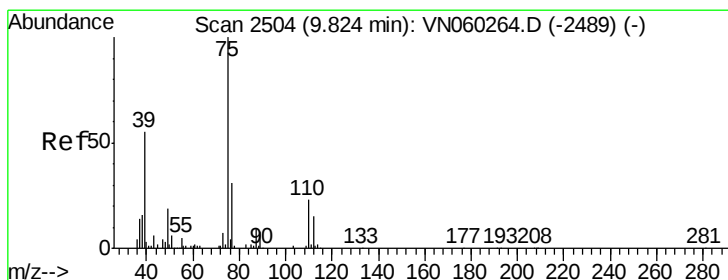
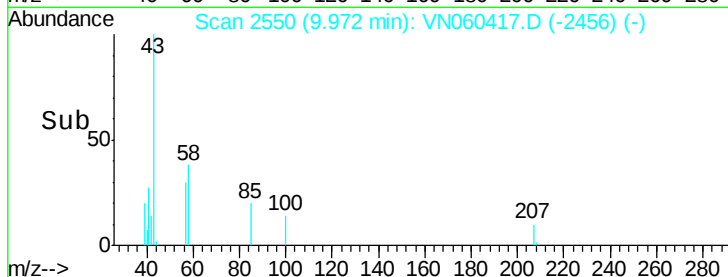
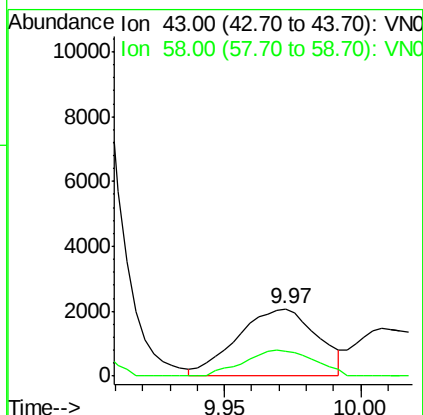
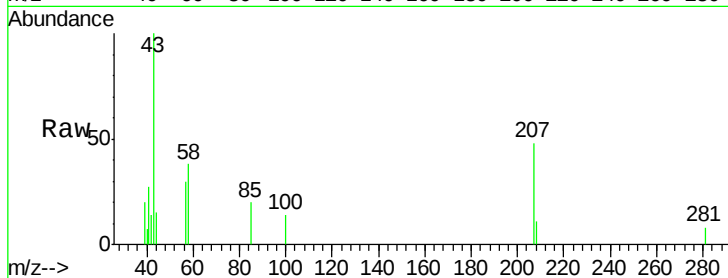




#51
 4-Methyl-2-Pentanone
 Concen: 1.426 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

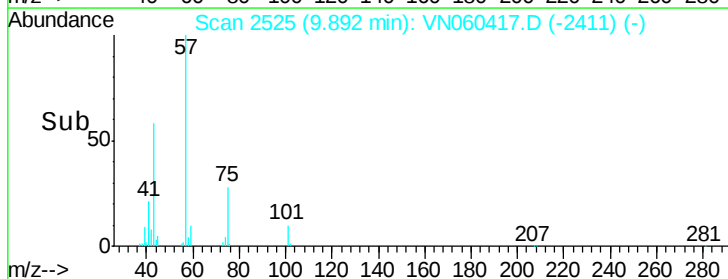
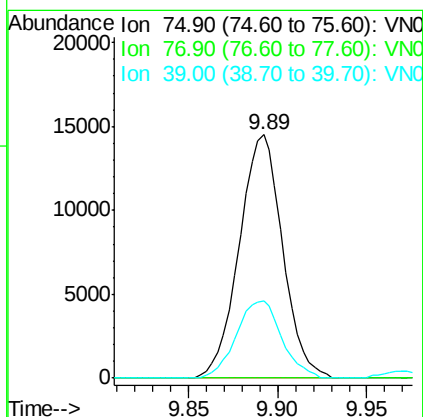
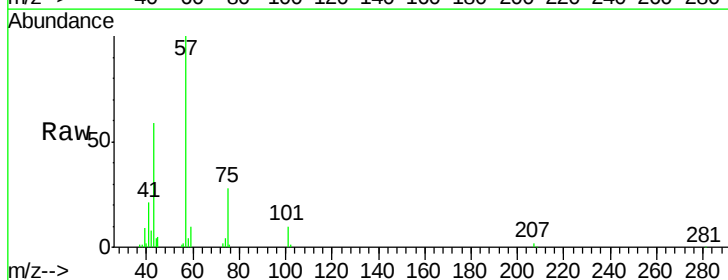
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#12

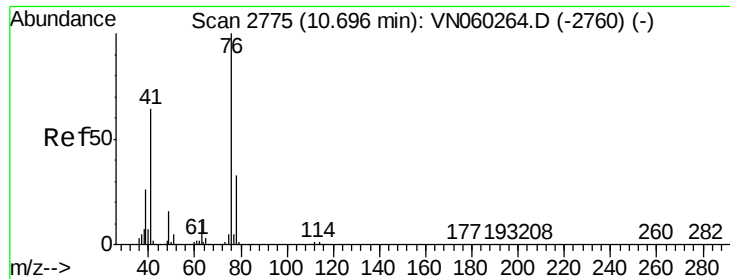
Tgt Ion: 43 Resp: 4215
 Ion Ratio Lower Upper
 43 100
 58 34.0 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 6.149 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

Tgt Ion: 75 Resp: 24652
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.9 43.8 65.8#

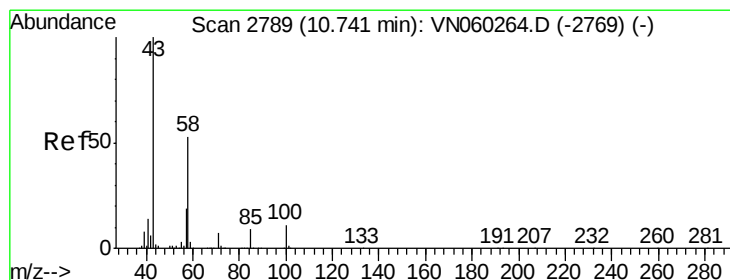
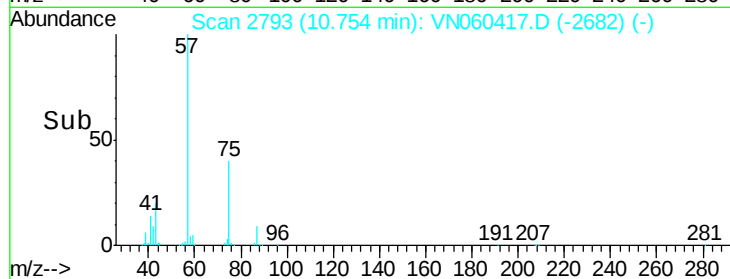
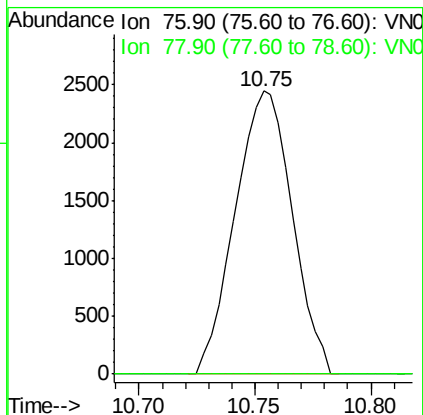
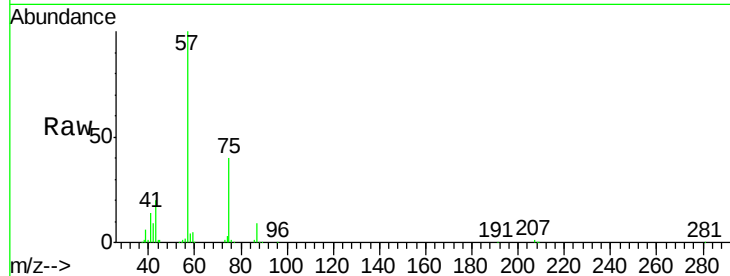




#57
 1,3-Dichloropropane
 Concen: 1.110 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

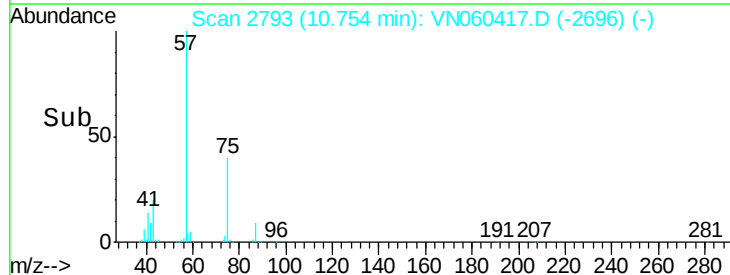
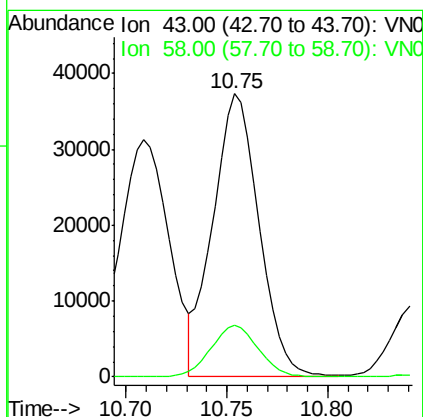
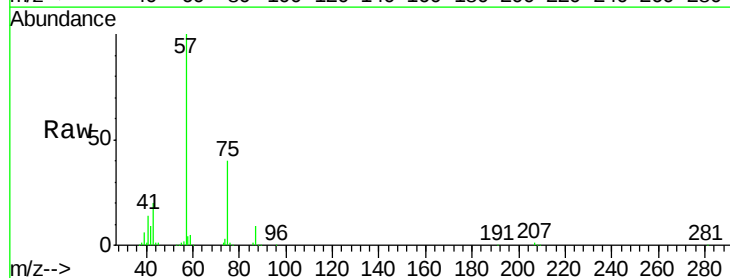
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#12

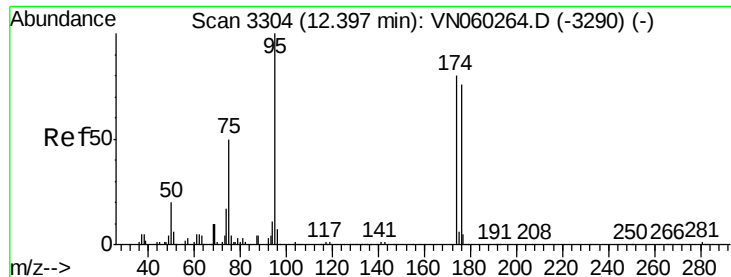
Tgt Ion: 76 Resp: 4184
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 27.474 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

Tgt Ion: 43 Resp: 59611
 Ion Ratio Lower Upper
 43 100
 58 18.6 26.5 79.5#

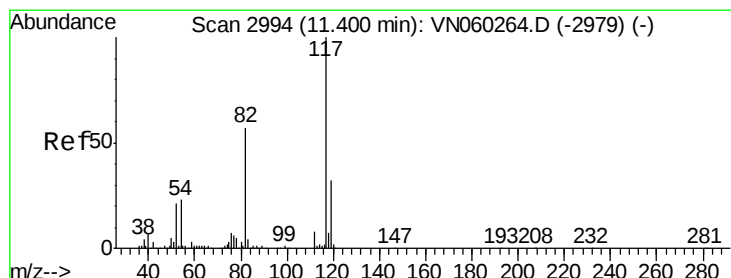
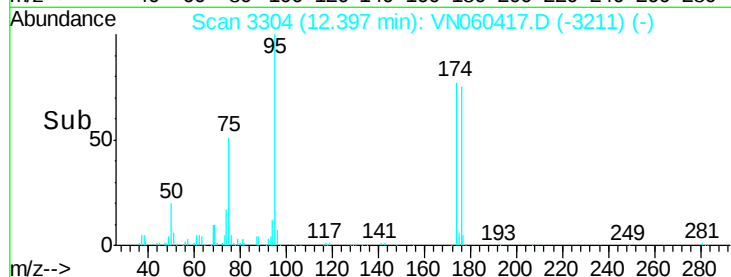
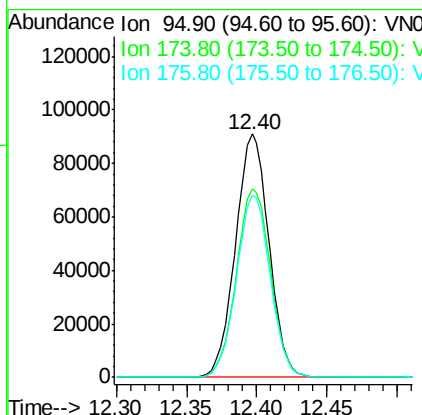
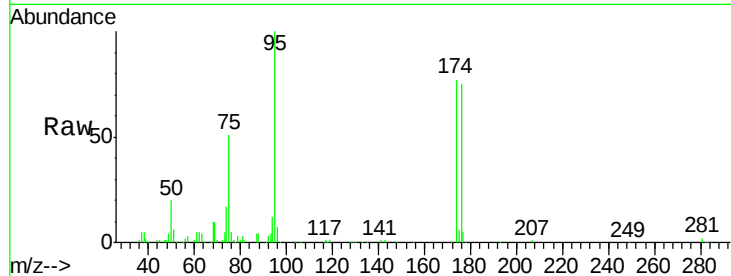




#62
4-Bromofluorobenzene
Concen: 51.575 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

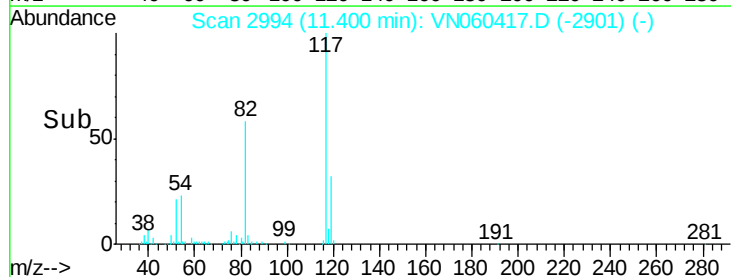
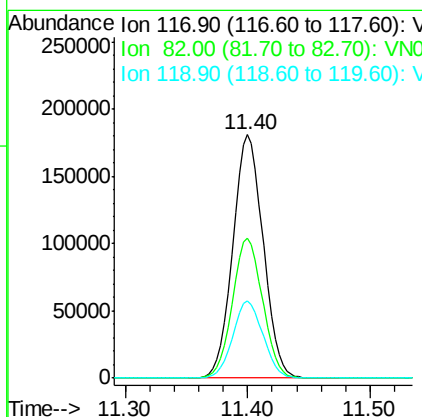
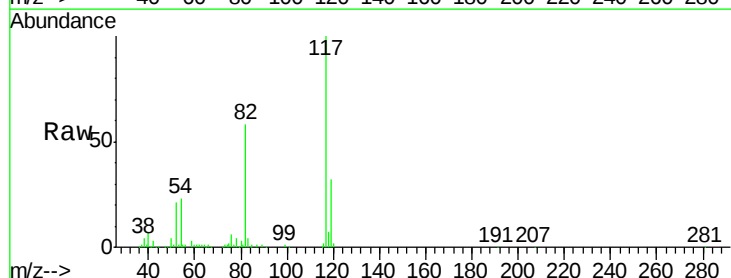
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#12

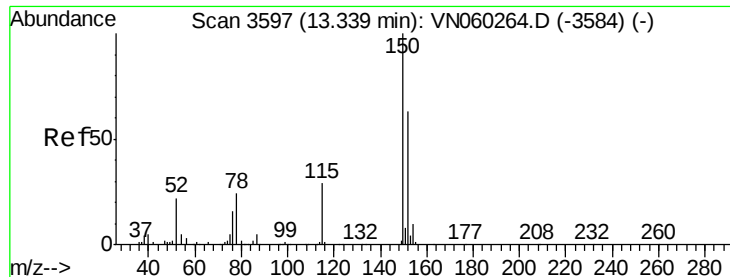
Tgt Ion: 95 Resp: 151525
Ion Ratio Lower Upper
95 100
174 79.2 0.0 159.2
176 75.6 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060417.D
Acq: 10 Mar 2020 15:24

Tgt Ion: 117 Resp: 311555
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 31.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#12

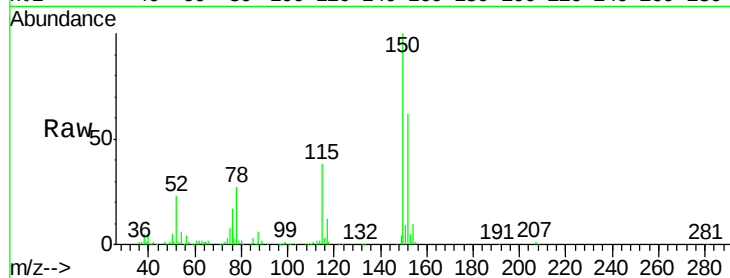
Tgt Ion:152 Resp: 141749

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.0

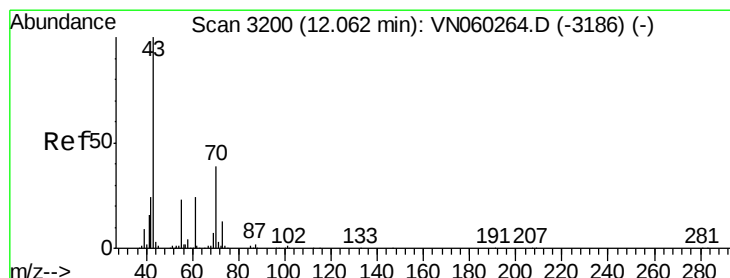
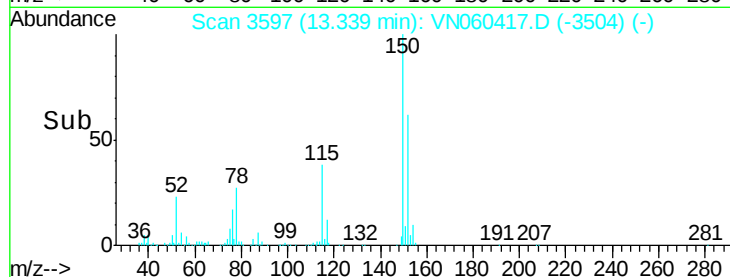
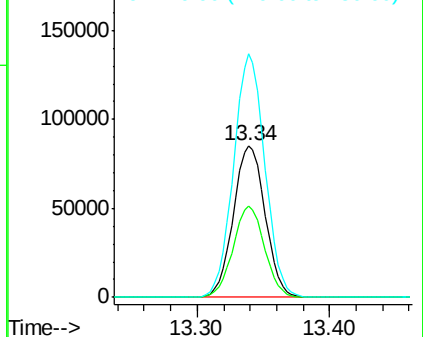
150 157.9 0.0 349.6



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: 0.558 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Tgt Ion: 43 Resp: 2560

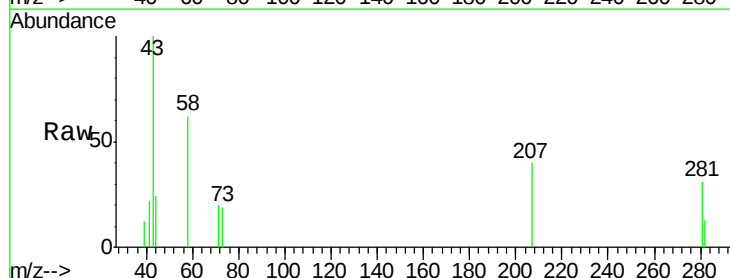
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

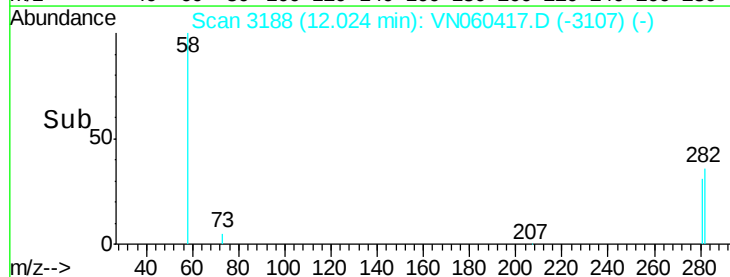
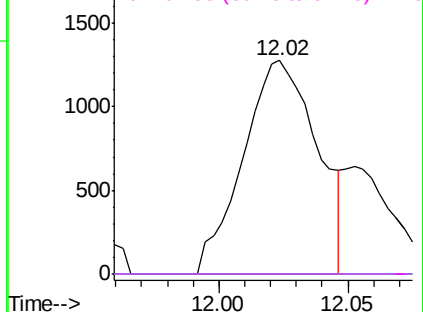


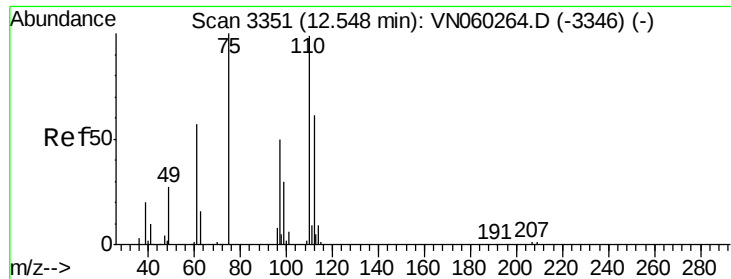
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

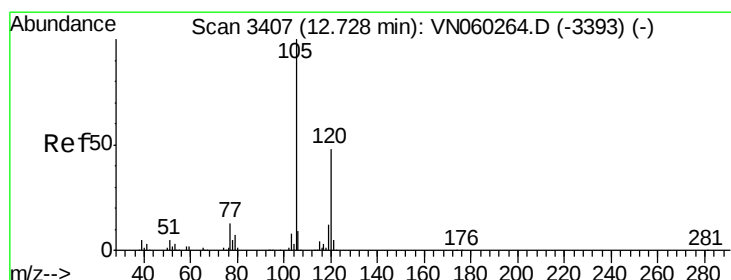
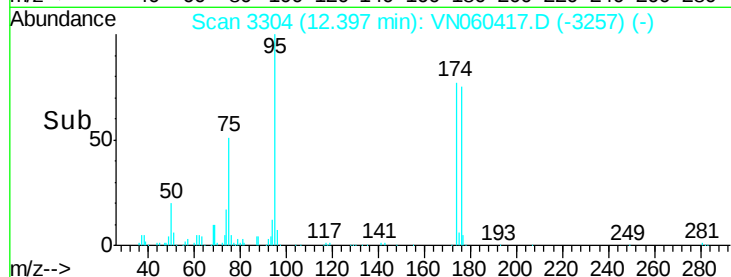
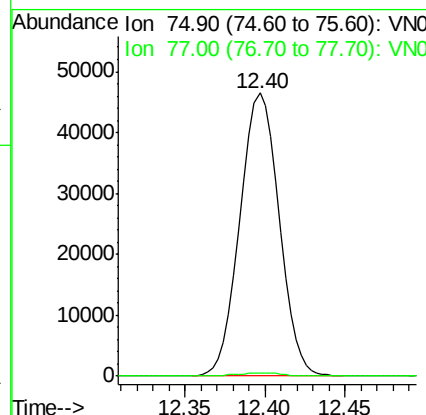
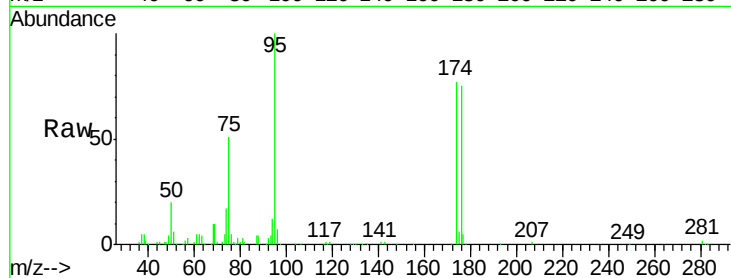




#76
 1,2,3-Trichloropropane
 Concen: 25.011 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

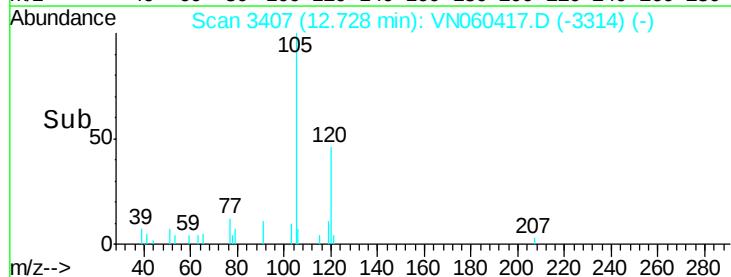
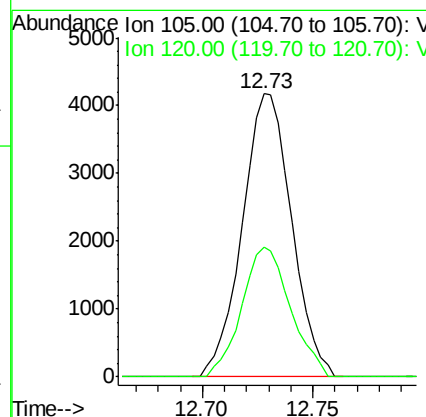
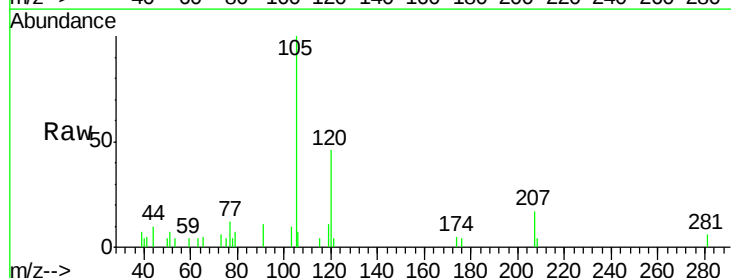
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#12

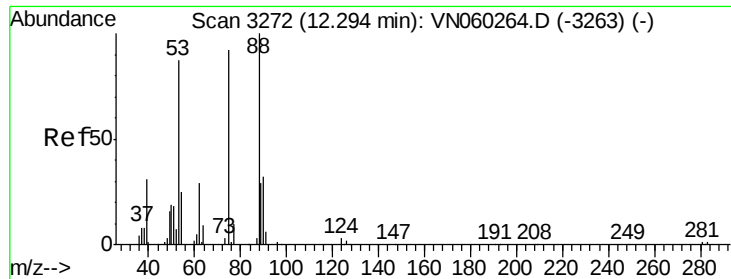
Tgt Ion: 75 Resp: 77785
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.734 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060417.D
 Acq: 10 Mar 2020 15:24

Tgt Ion: 105 Resp: 6490
 Ion Ratio Lower Upper
 105 100
 120 45.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 69.043 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#12

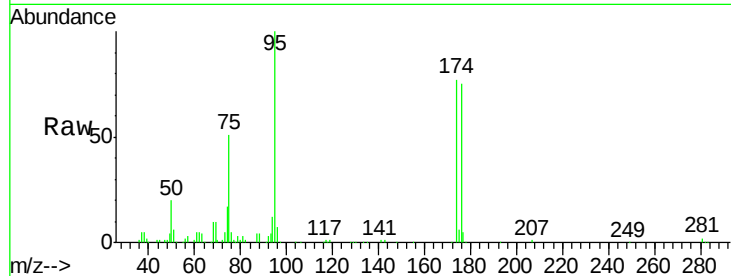
Tgt Ion: 75 Resp: 77785

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

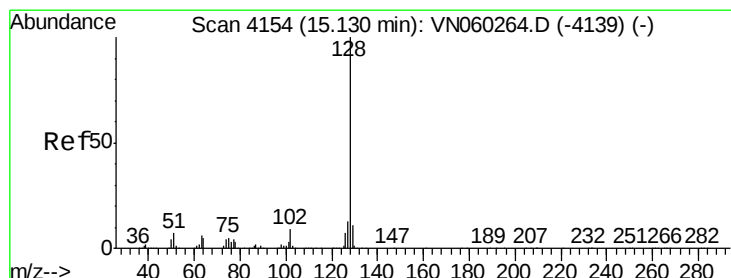
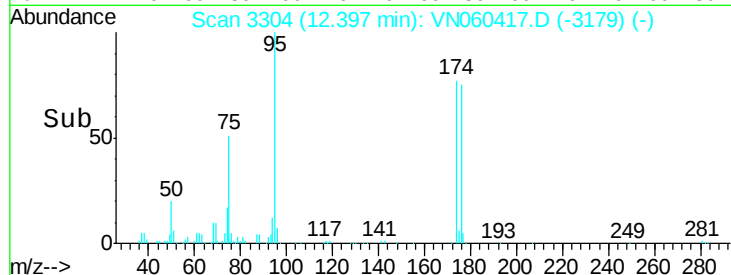
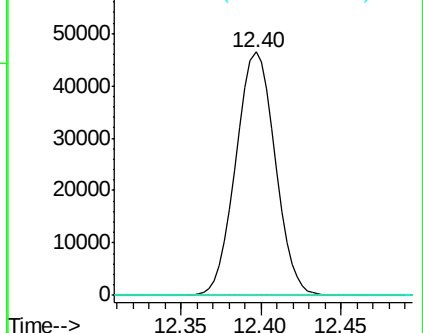
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060417.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060417.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060417.D (-3179) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060417.D

Acq: 10 Mar 2020 15:24

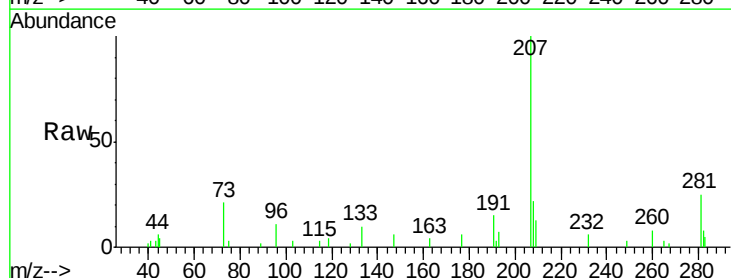
Tgt Ion: 128 Resp: 196

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): VN060417.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060417.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060417.D (-4060) (-)

