

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060416.D
 Acq On : 10 Mar 2020 15:01
 Operator : JC/MD
 Sample : PB127392TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392TB

Quant Time: Mar 11 06:41:03 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	190724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134017	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	122463	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	7.57	113	91553	63.23	ug/l	0.00
Spiked Amount			Recovery	=	126.46%	
50) Toluene-d8	10.08	98	387464	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.40	95	143079	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	

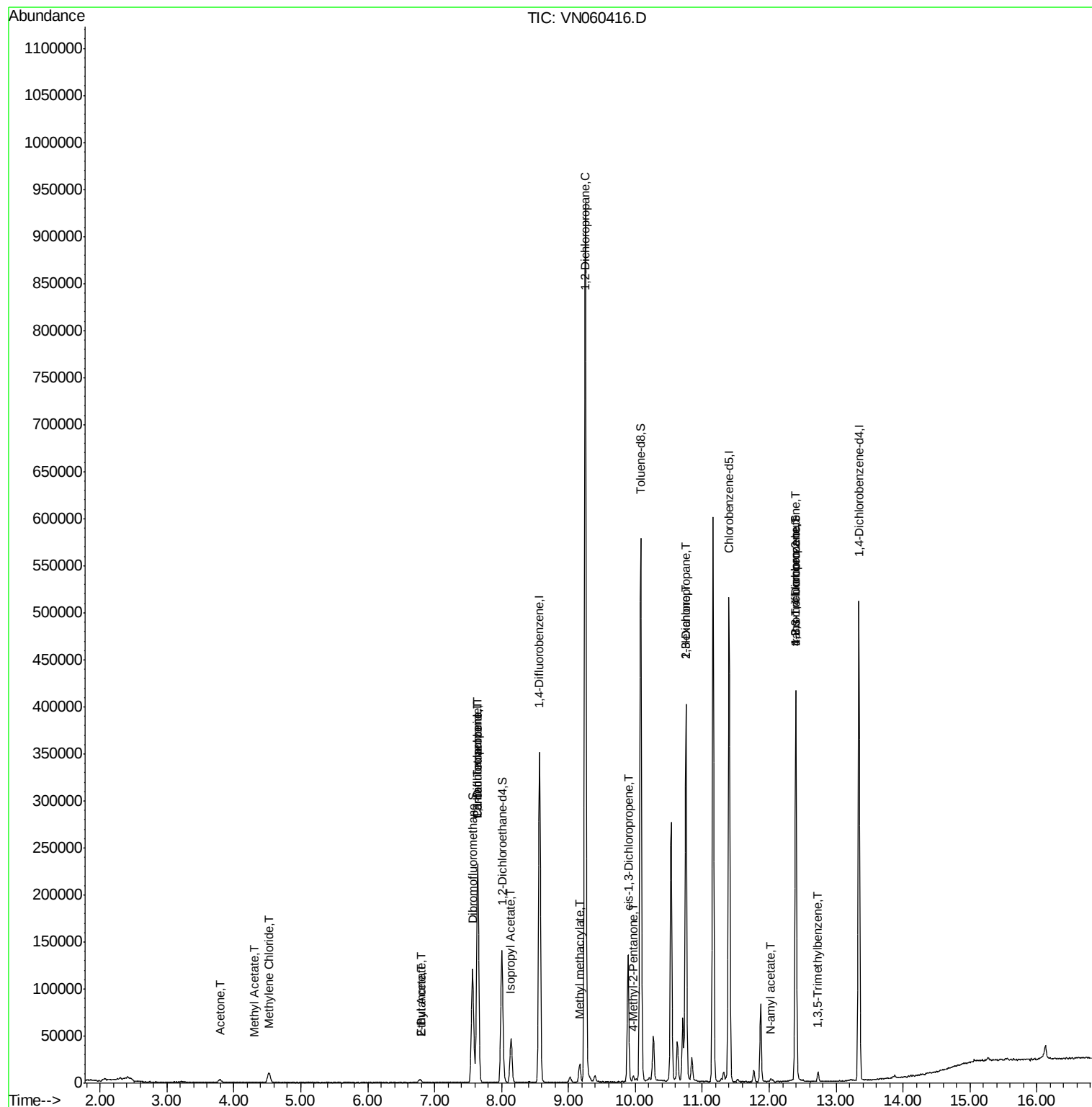
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6510	8.238	ug/l	93
18) Methyl Acetate	4.29	43	1546	0.586	ug/l #	52
20) Methylene Chloride	4.52	84	7759	3.575	ug/l	98
25) 2-Butanone	6.81	43	871	0.682	ug/l #	49
31) Cyclohexane	7.64	56	3915	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14551	4.894	ug/l #	49
37) Ethyl Acetate	6.81	43	871	0.309	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18312	6.326	ug/l #	16
43) Isopropyl Acetate	8.14	43	57244	11.615	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	992	0.438	ug/l #	44
48) Methyl methacrylate	9.16	41	2682	1.193	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4422	1.582	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	24465	6.453	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4172	1.170	ug/l #	42
59) 2-Hexanone	10.75	43	59872	29.182	ug/l #	52
74) N-amyl acetate	12.02	43	3263	0.752	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	72176	24.547	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5925	0.708	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	72176	67.761	ug/l #	8
95) Naphthalene	15.13	128	280	Below Cal	#	69

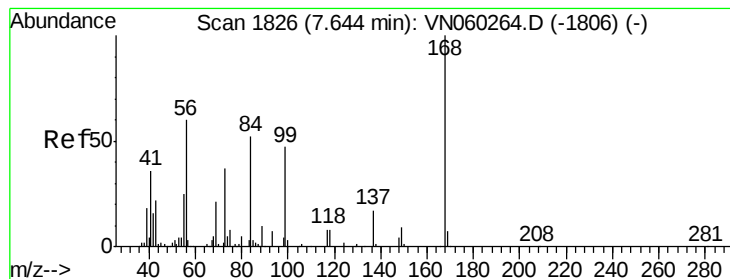
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060416.D

Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

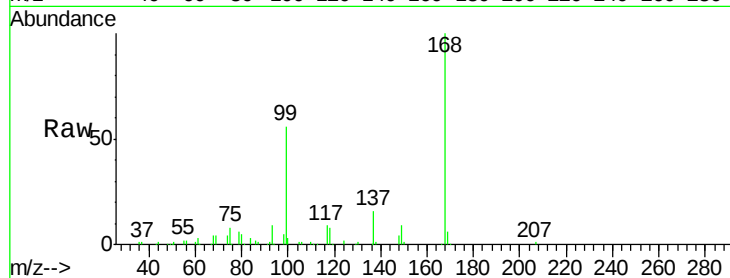
PB127392TB

Tgt Ion:168 Resp: 190724

Ion Ratio Lower Upper

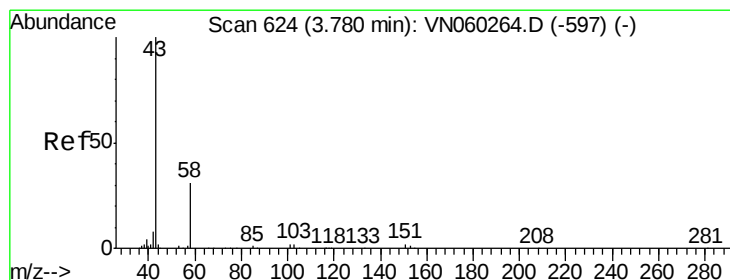
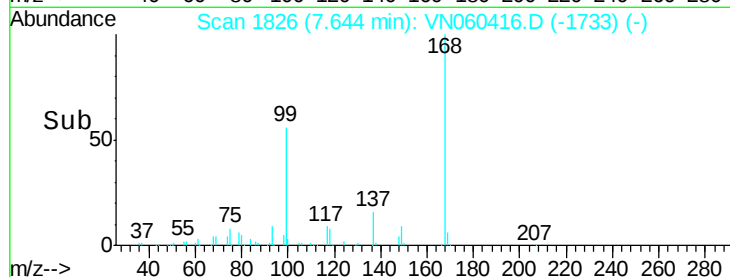
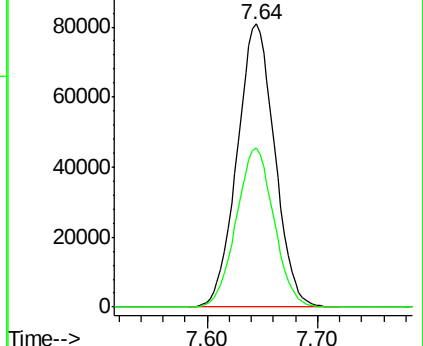
168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 8.238 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060416.D

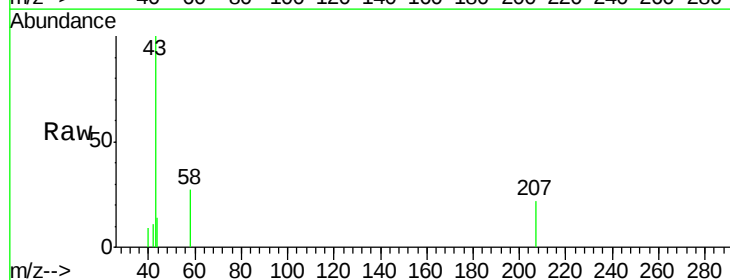
Acq: 10 Mar 2020 15:01

Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

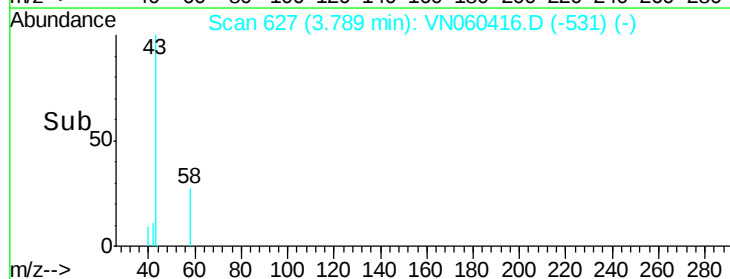
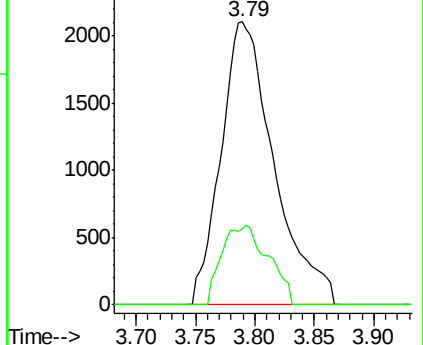
43 100

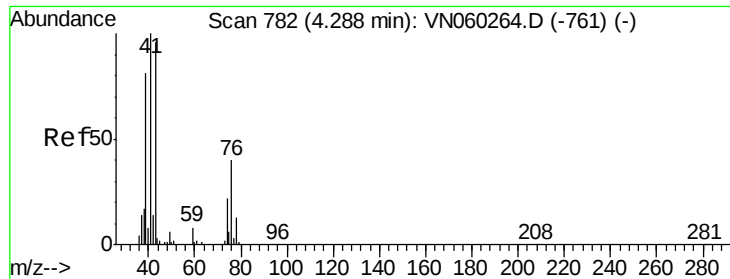
58 27.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

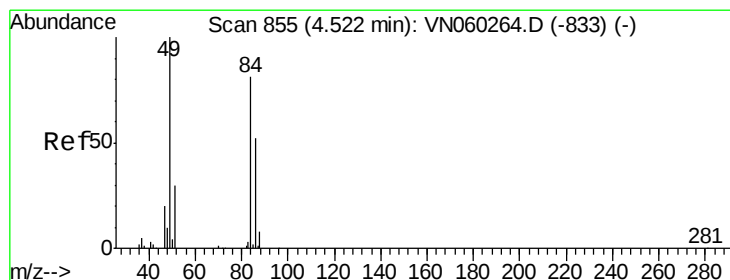
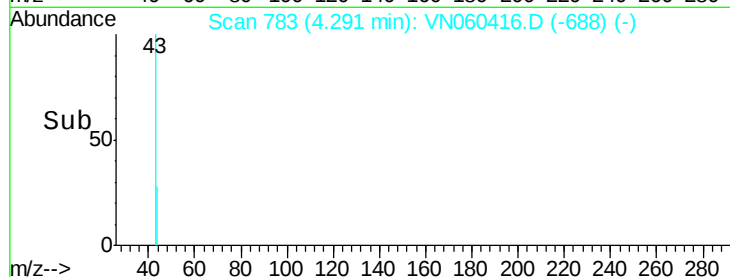
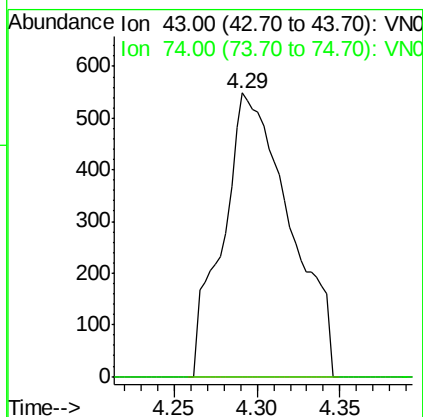
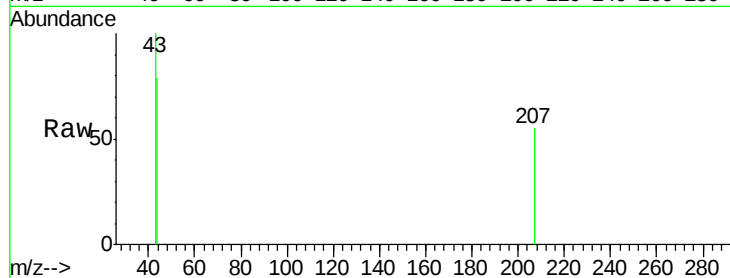




#18
Methyl Acetate
Concen: 0.586 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

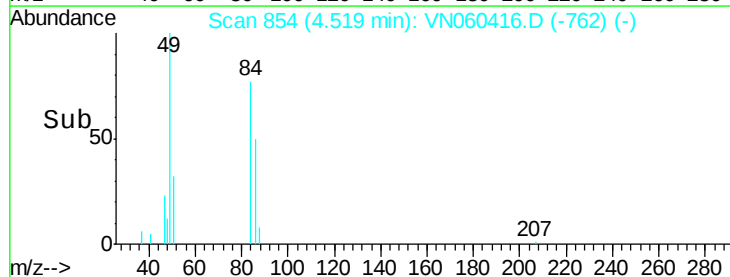
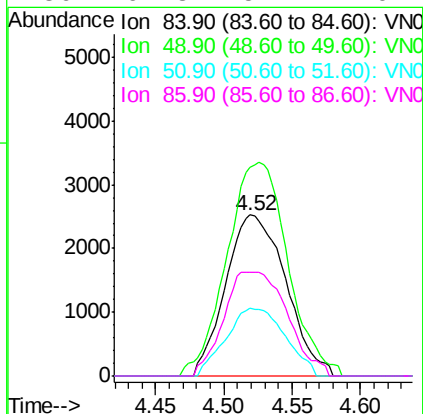
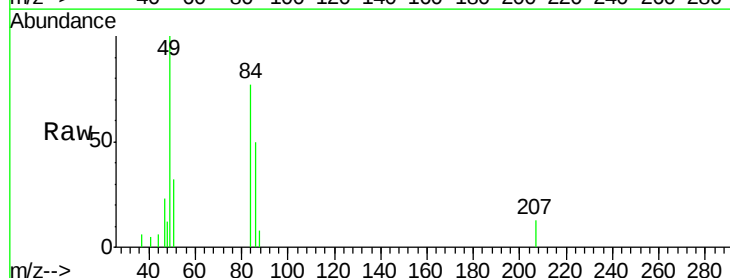
Instrument :
MSVOA_N
ClientSampled :
PB127392TB

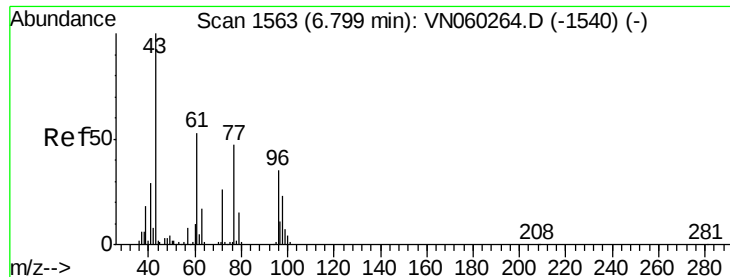
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.575 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

Tgt Ion: 84 Resp: 7759
Ion Ratio Lower Upper
84 100
49 123.6 99.3 148.9
51 41.8 30.1 45.1
86 64.3 51.1 76.7

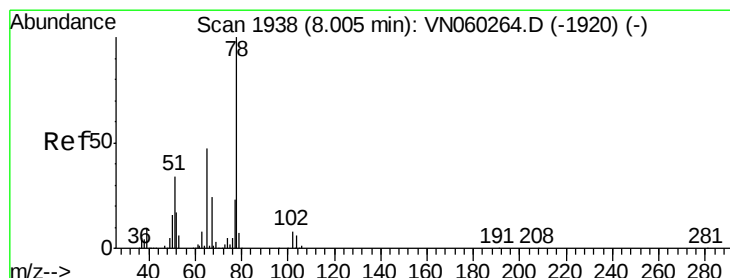
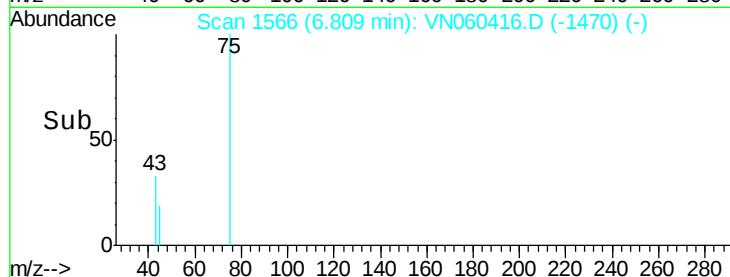
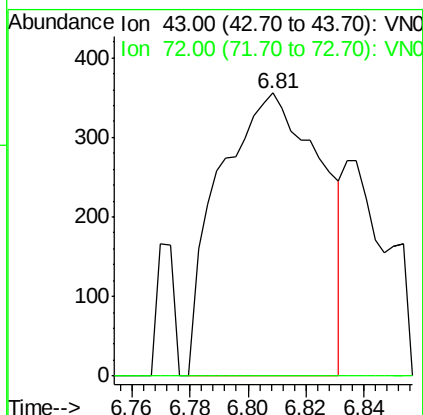
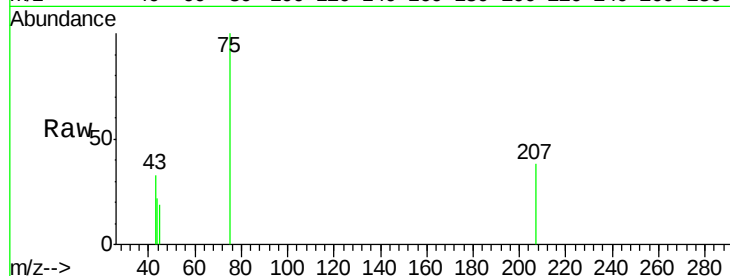




#25
 2-Butanone
 Concen: 0.682 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

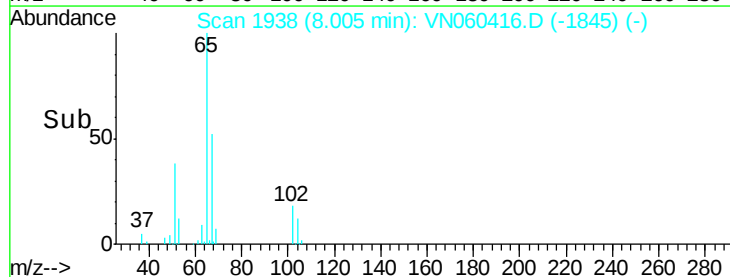
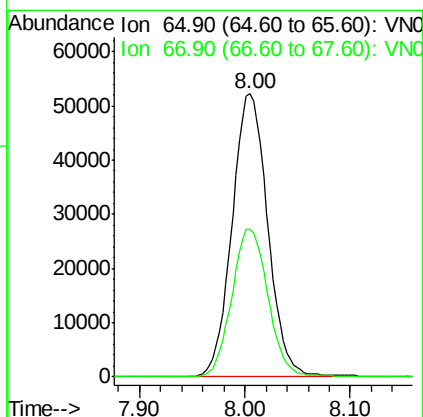
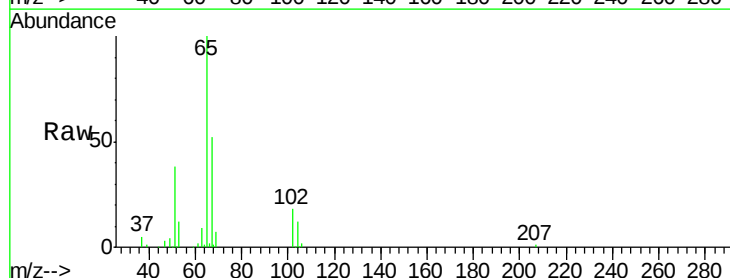
Instrument :
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 PB127392TB

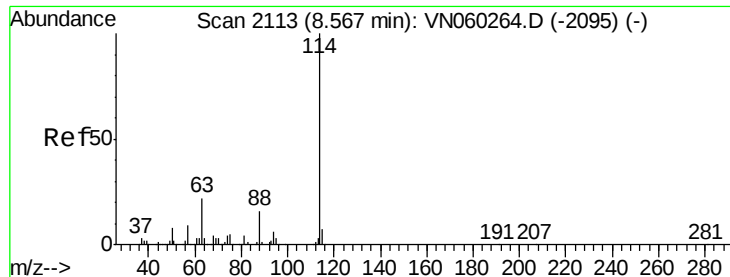
Tgt Ion: 43 Resp: 871
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.046 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

Tgt Ion: 65 Resp: 122463
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8

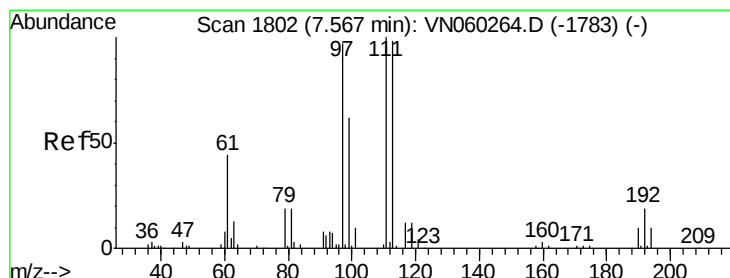
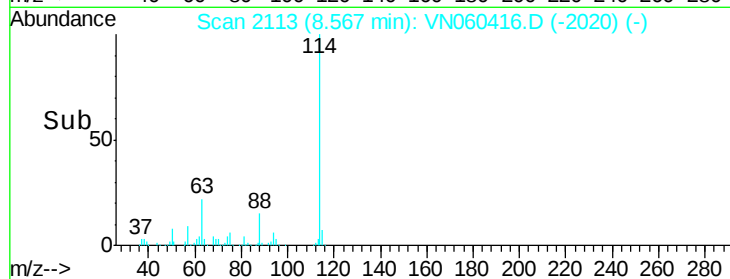
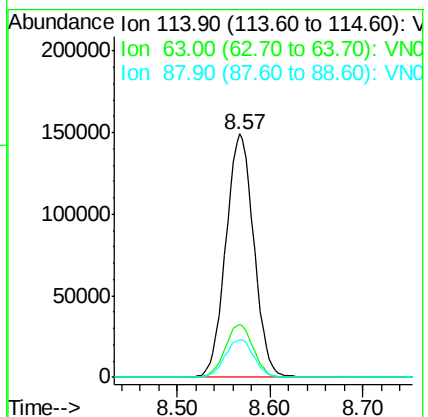
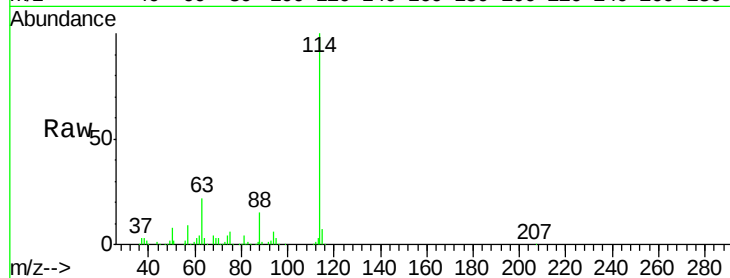




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

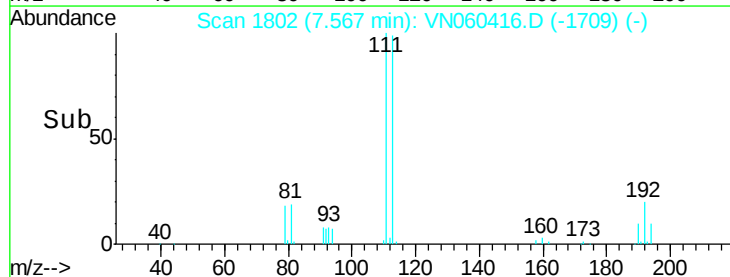
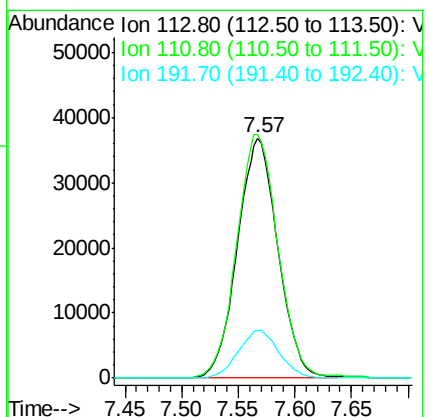
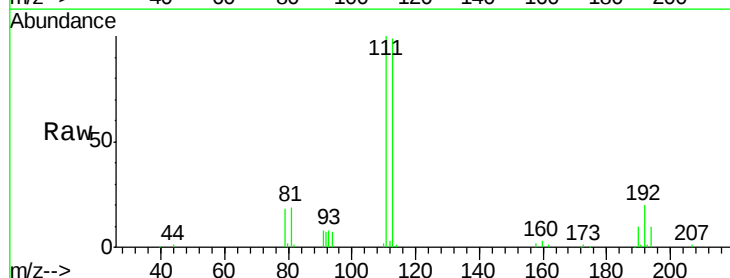
Instrument :
MSVOA_N
ClientSampleId :
PB127392TB

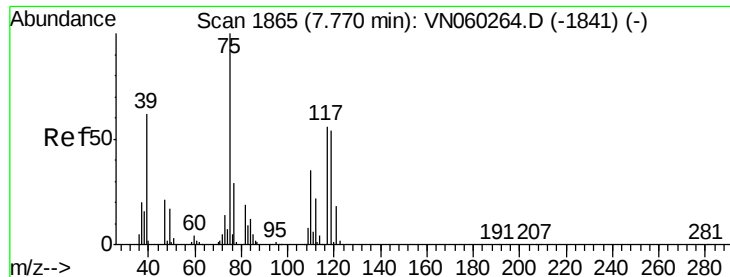
Tgt Ion:114 Resp: 311964
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.2
88 15.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 63.226 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

Tgt Ion:113 Resp: 91553
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 19.9 16.2 24.2

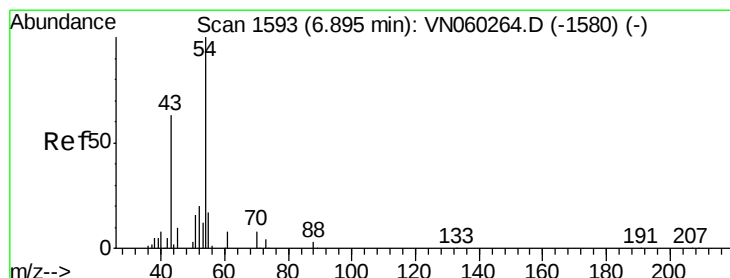
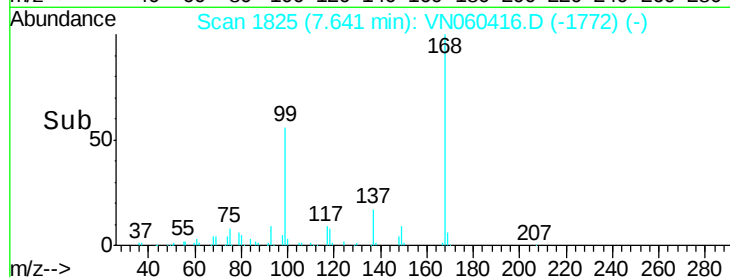
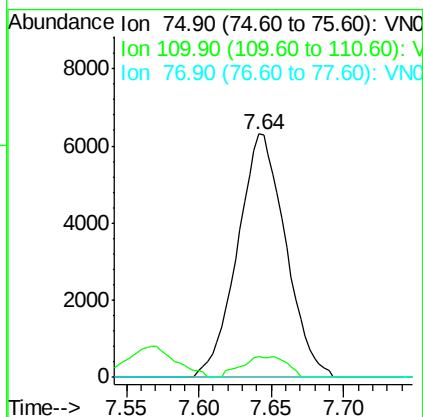
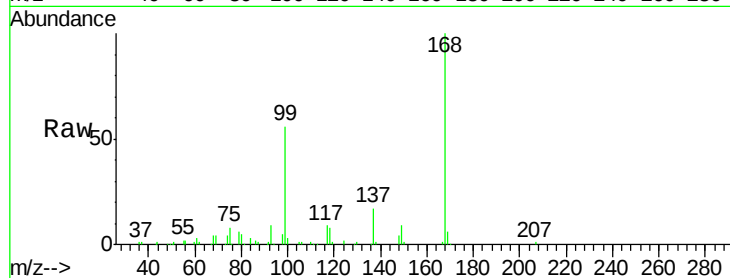




#36
 1,1-Dichloropropene
 Concen: 4.894 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

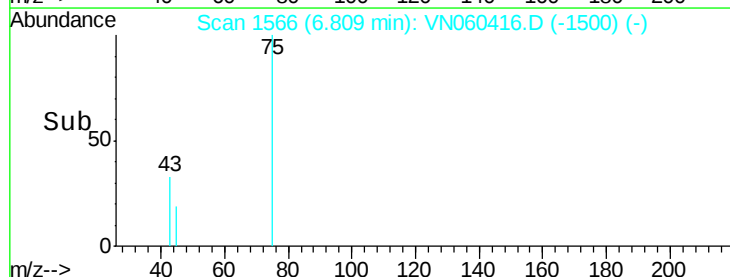
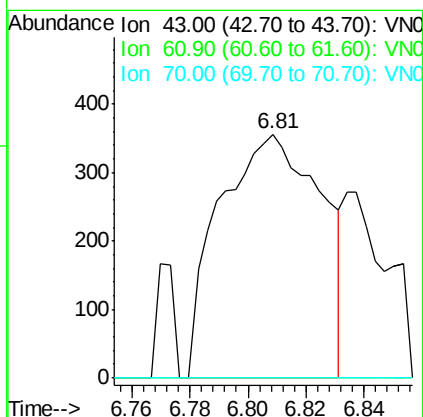
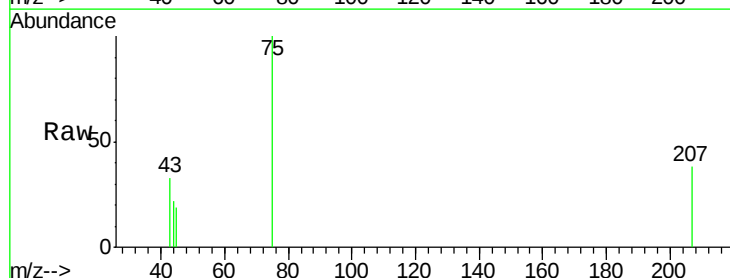
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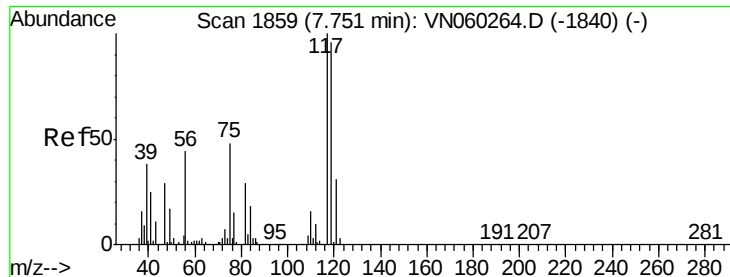
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 0.309 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 6.326 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060416.D

Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

PB127392TB

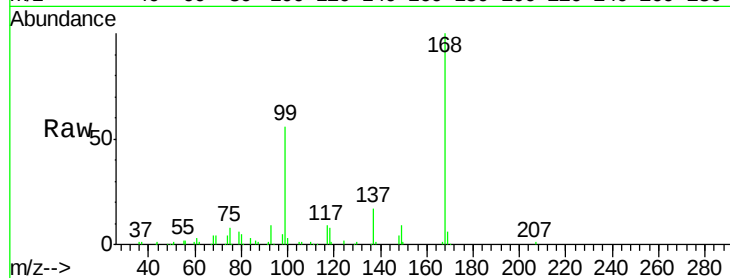
Tgt Ion: 117 Resp: 18312

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

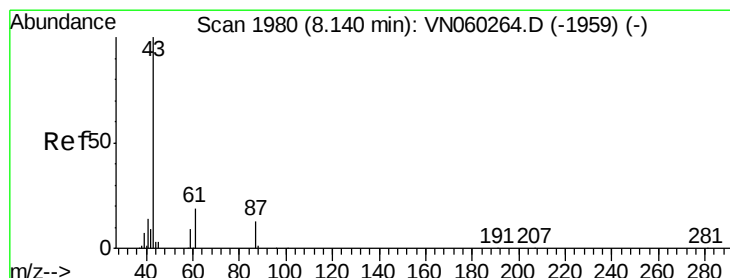
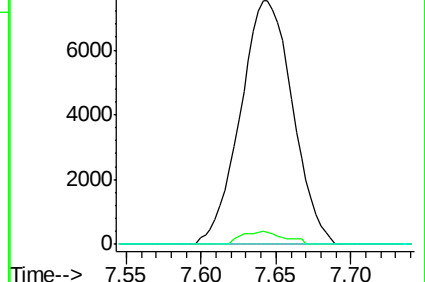
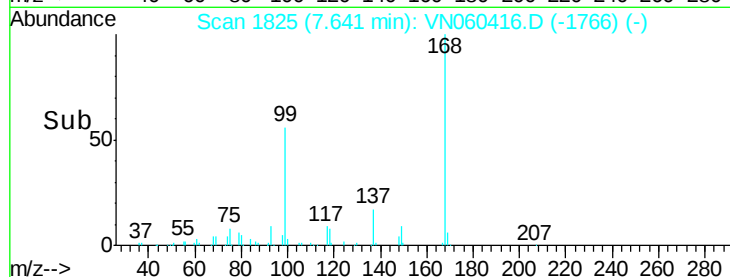
121 0.0 24.5 36.7#



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: 11.615 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060416.D

Acq: 10 Mar 2020 15:01

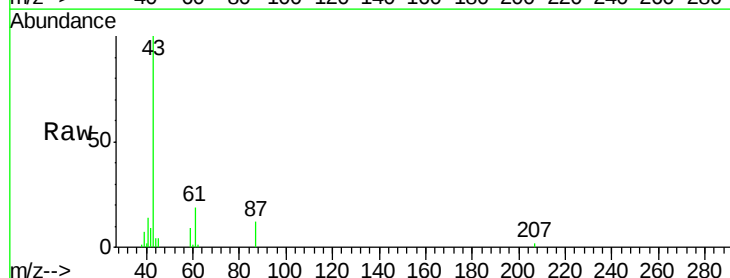
Tgt Ion: 43 Resp: 57244

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

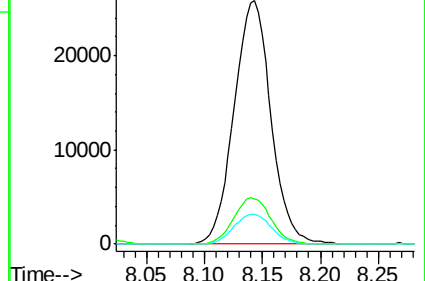
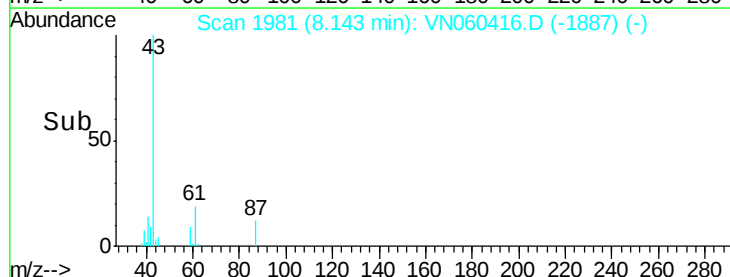
87 12.4 10.6 16.0

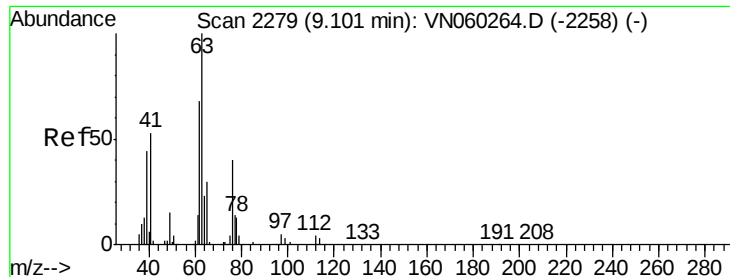


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

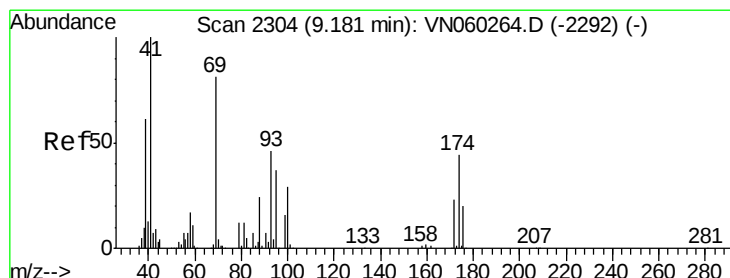
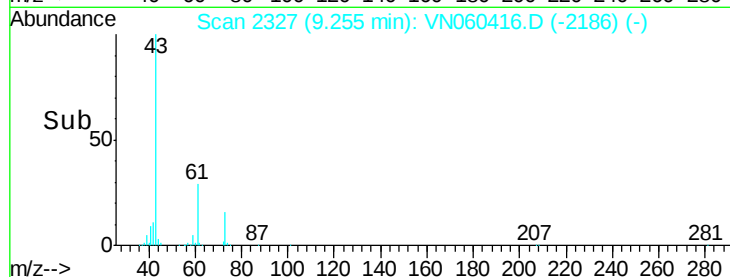
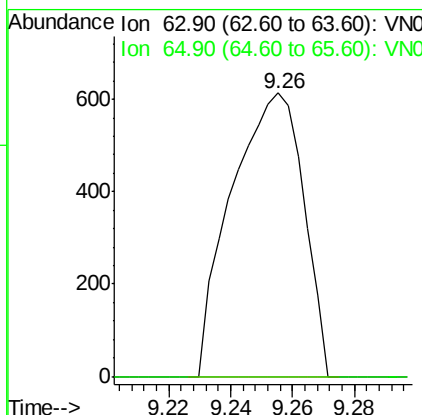
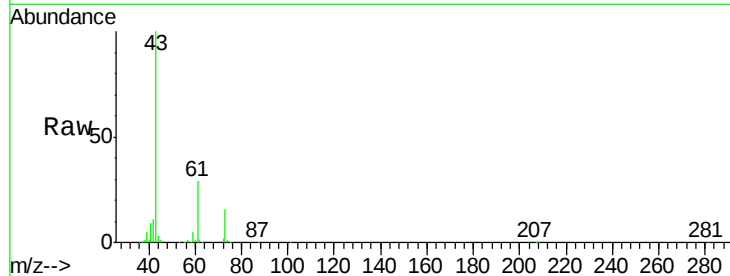




#45
 1,2-Dichloropropane
 Concen: 0.438 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

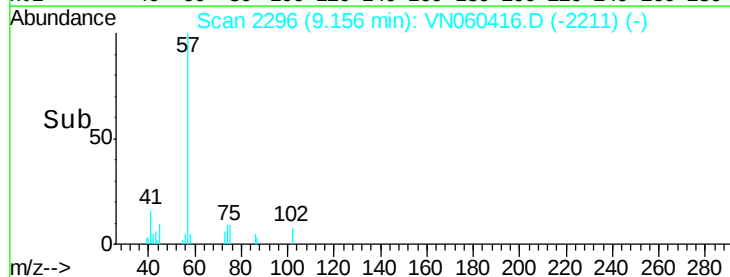
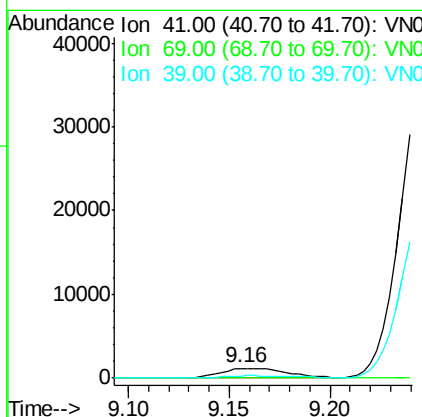
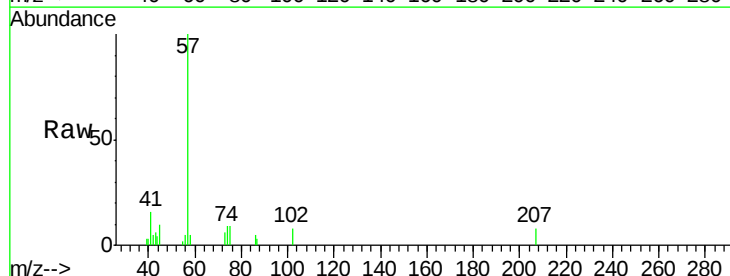
Instrument :
 MSVOA_N
 ClientSampled :
 PB127392TB

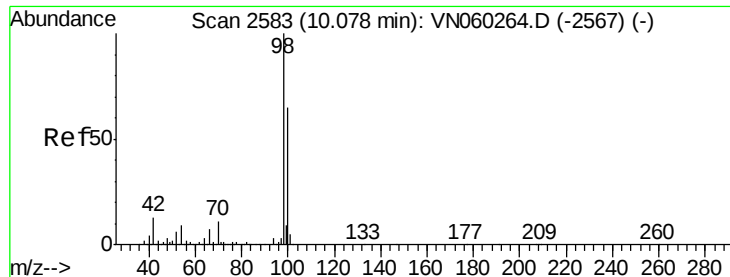
Tgt Ion: 63 Resp: 992
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.193 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

Tgt Ion: 41 Resp: 2682
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.869 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060416.D

Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

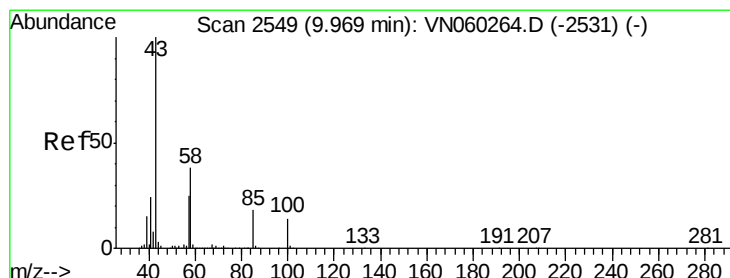
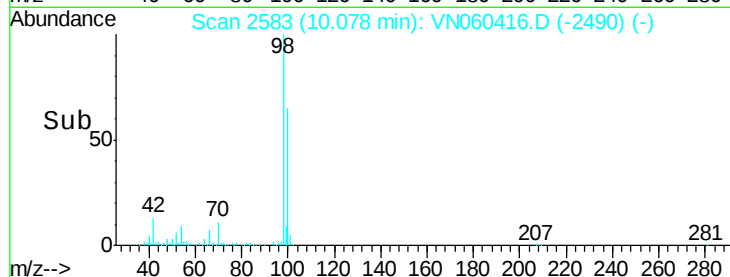
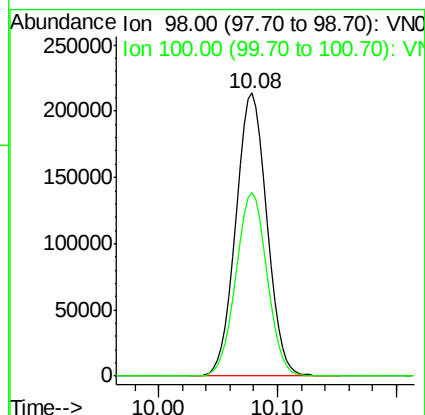
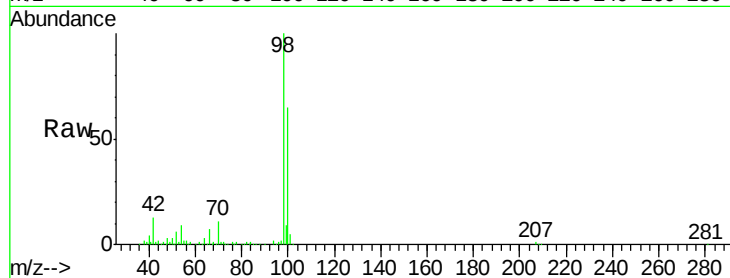
PB127392TB

Tgt Ion: 98 Resp: 387464

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.582 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060416.D

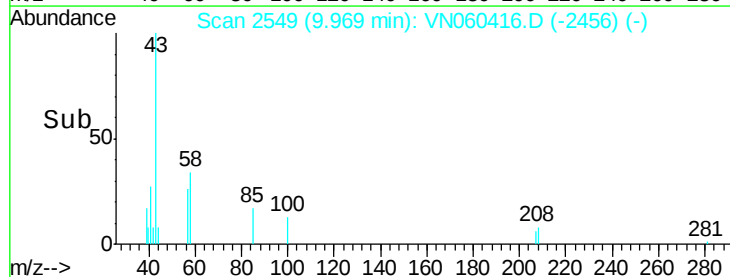
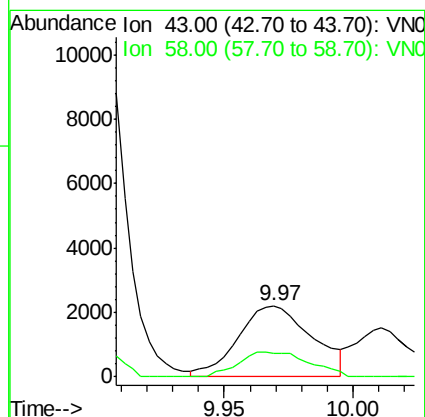
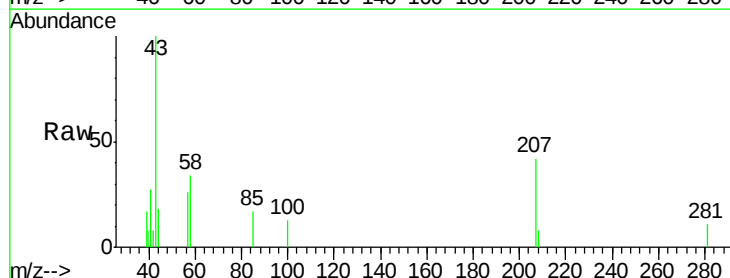
Acq: 10 Mar 2020 15:01

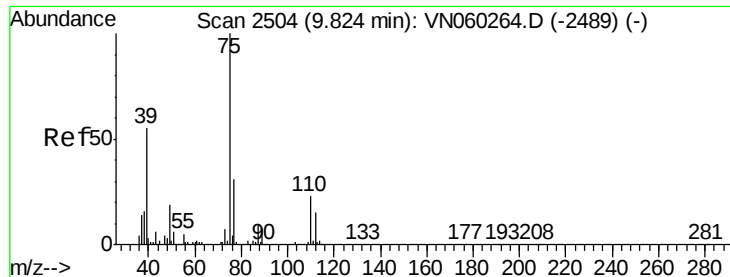
Tgt Ion: 43 Resp: 4422

Ion Ratio Lower Upper

43 100

58 33.6 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.453 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060416.D

Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

PB127392TB

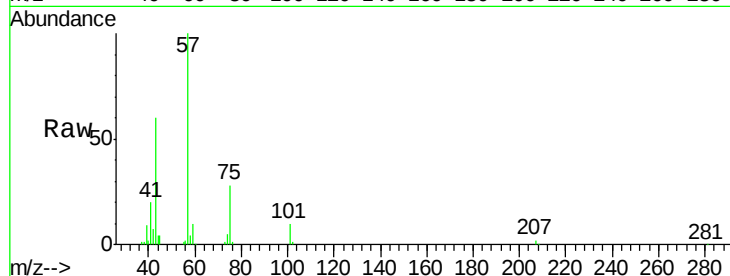
Tgt Ion: 75 Resp: 24465

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

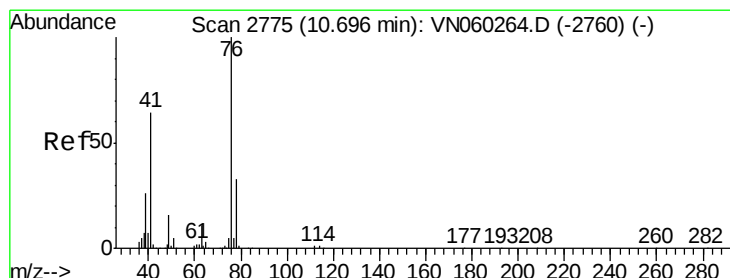
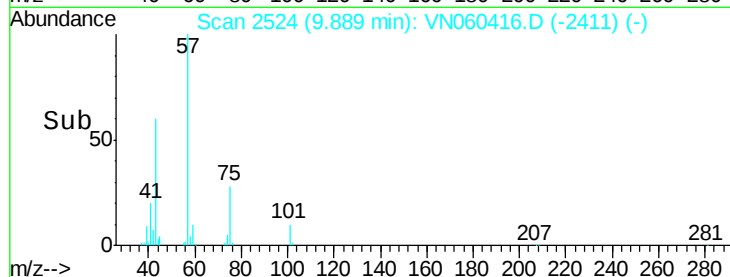
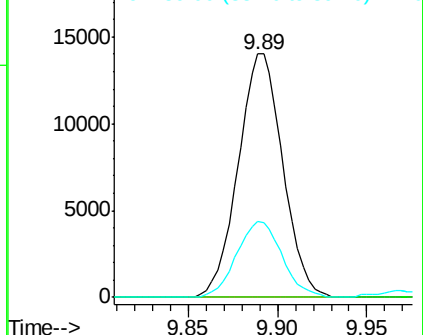
39 31.2 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.170 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060416.D

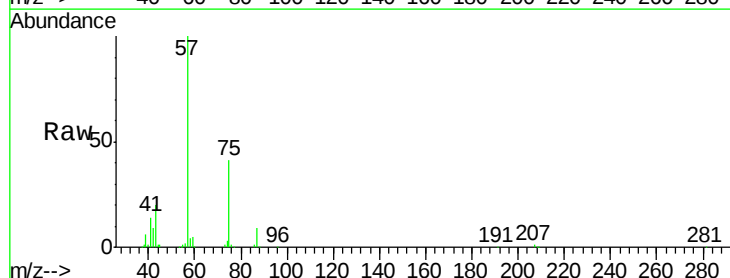
Acq: 10 Mar 2020 15:01

Tgt Ion: 76 Resp: 4172

Ion Ratio Lower Upper

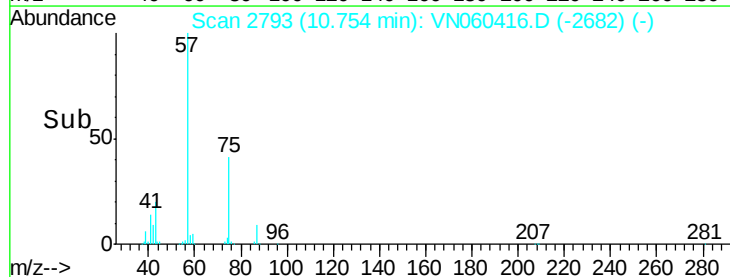
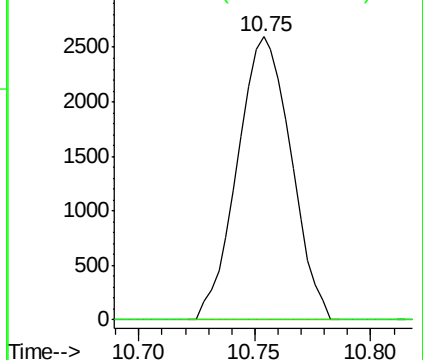
76 100

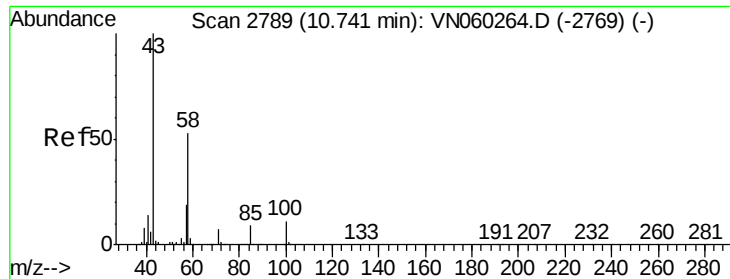
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

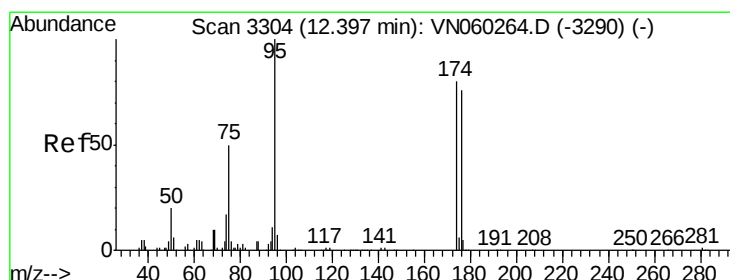
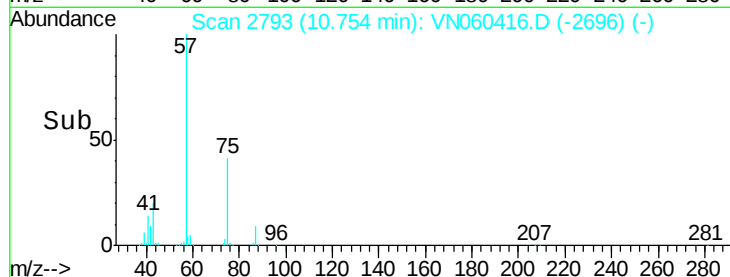
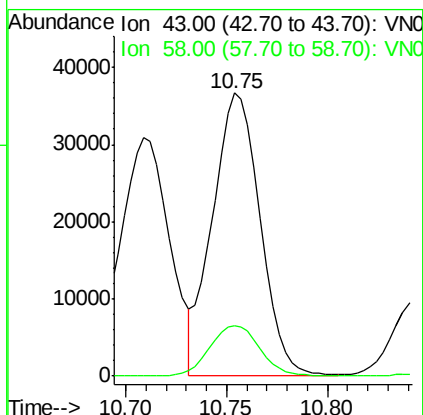
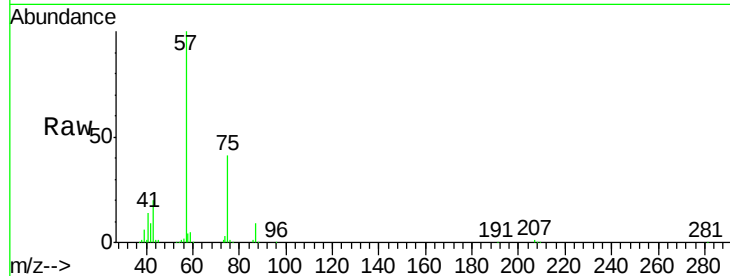




#59
2-Hexanone
Concen: 29.182 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

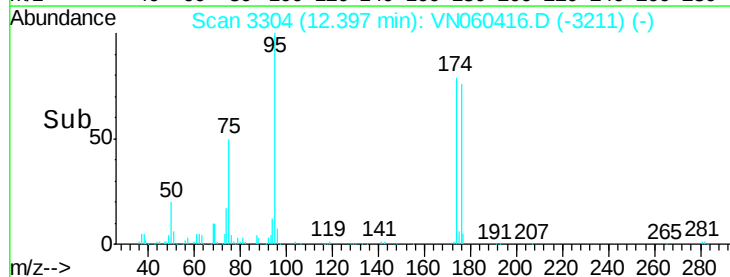
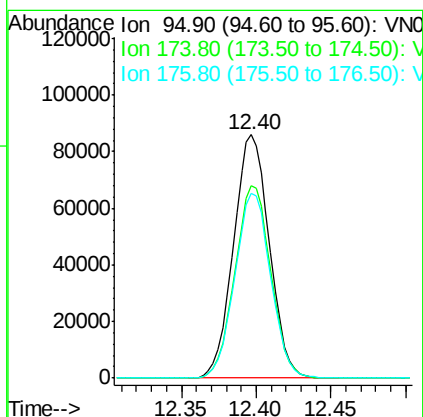
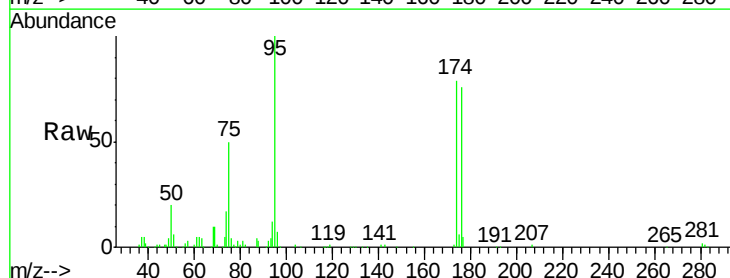
Instrument :
MSVOA_N
ClientSampleId :
PB127392TB

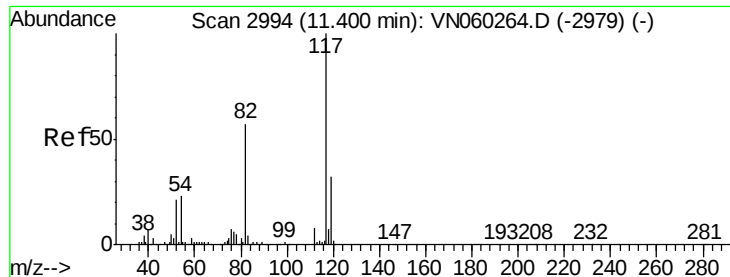
Tgt Ion: 43 Resp: 59872
Ion Ratio Lower Upper
43 100
58 18.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.502 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

Tgt Ion: 95 Resp: 143079
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 76.1 0.0 153.8

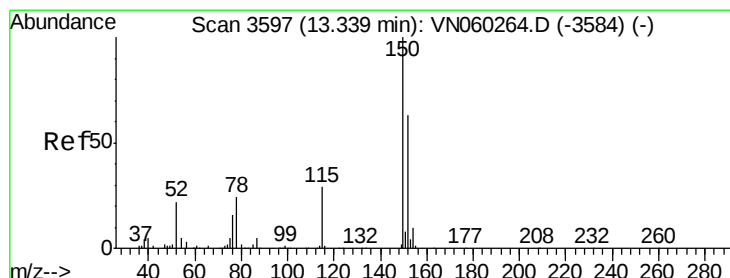
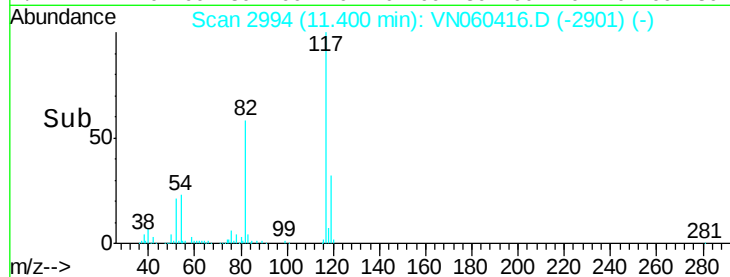
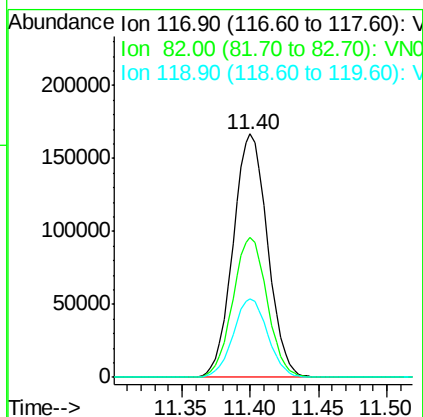
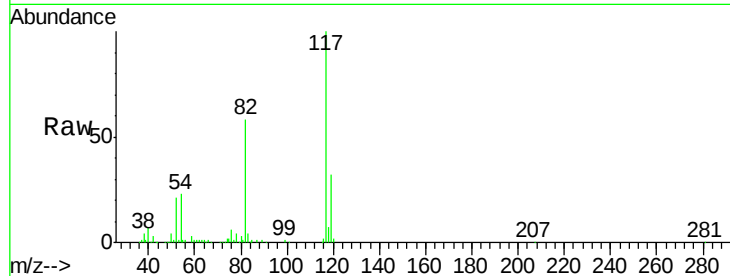




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

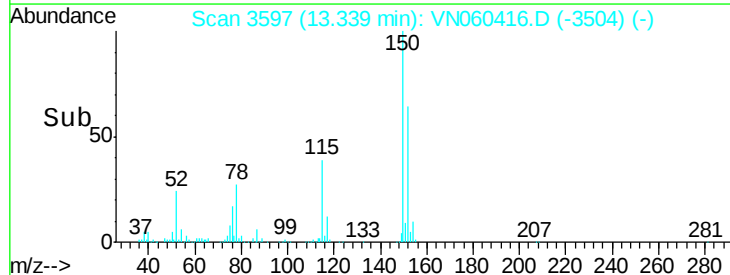
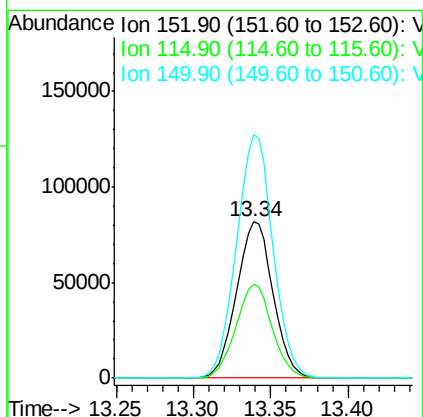
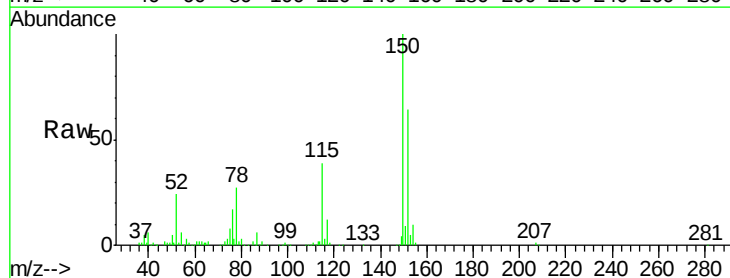
Instrument :
MSVOA_N
ClientSampleId :
PB127392TB

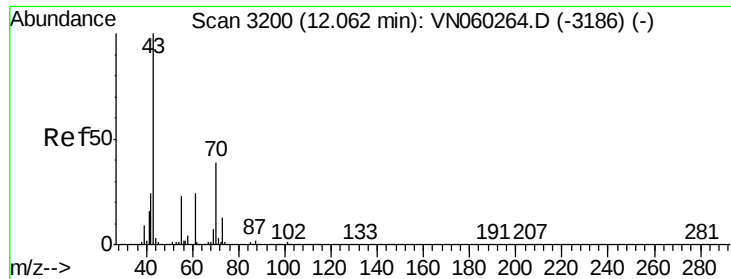
Tgt Ion:117 Resp: 292706
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060416.D
Acq: 10 Mar 2020 15:01

Tgt Ion:152 Resp: 134017
Ion Ratio Lower Upper
152 100
115 59.6 30.0 90.0
150 155.8 0.0 349.6





#74

N-amyI acetate

Concen: 0.752 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060416.D

Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

PB127392TB

Tgt Ion: 43 Resp: 3263

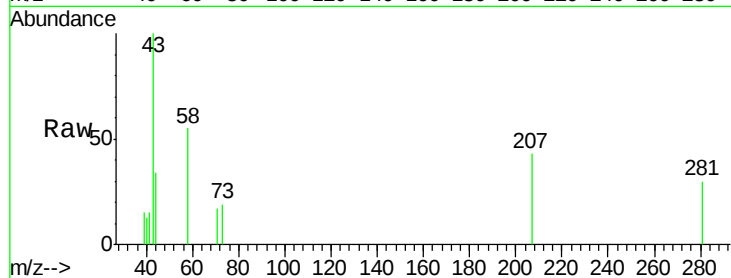
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



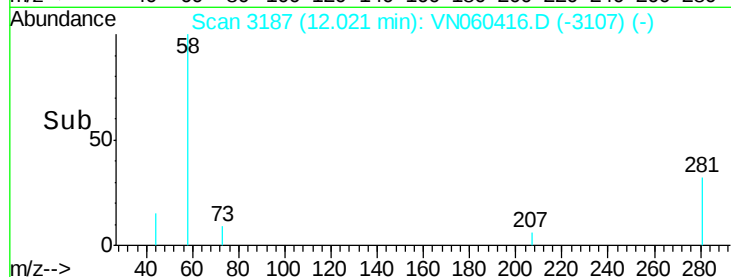
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

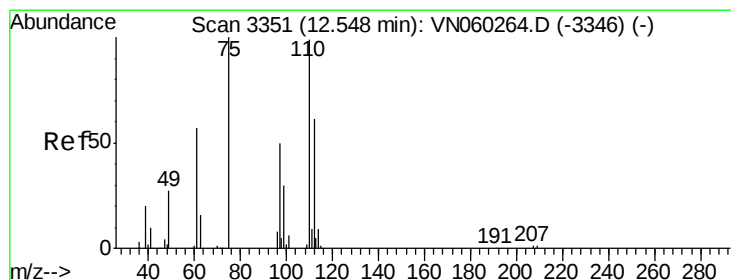
Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.547 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060416.D

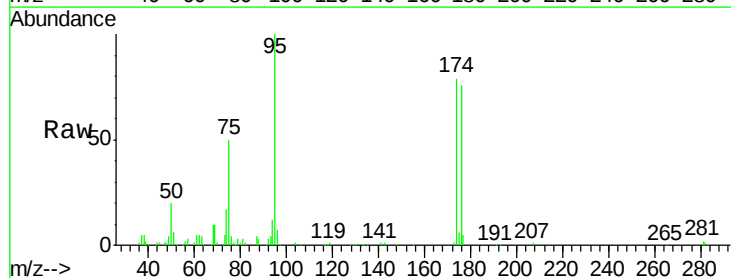
Acq: 10 Mar 2020 15:01

Tgt Ion: 75 Resp: 72176

Ion Ratio Lower Upper

75 100

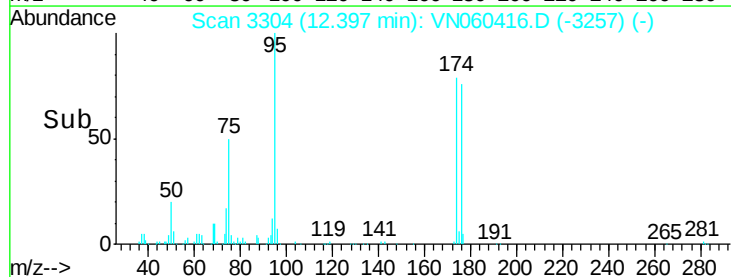
77 1.1 0.0 0.0#



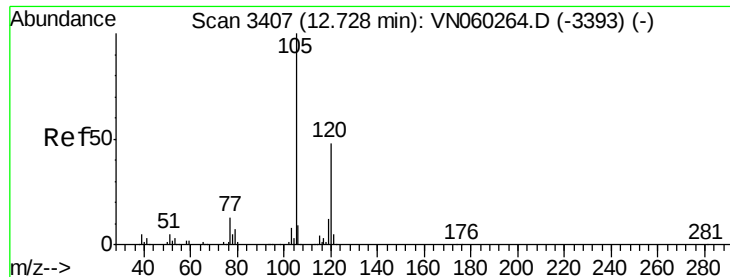
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->



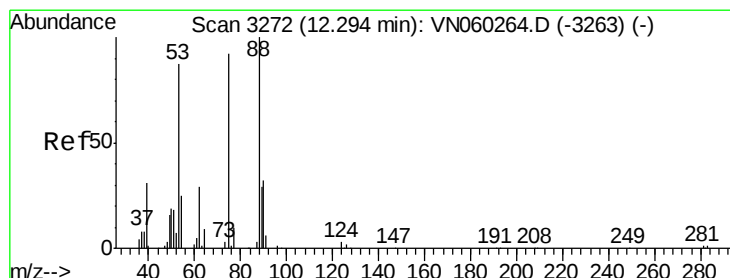
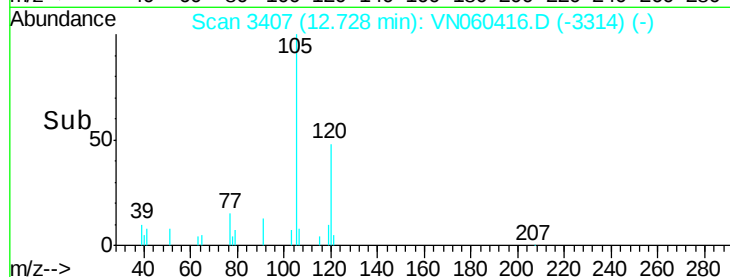
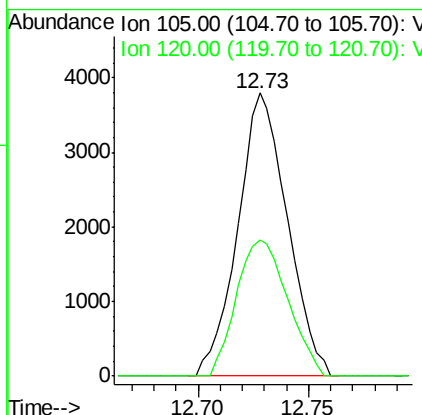
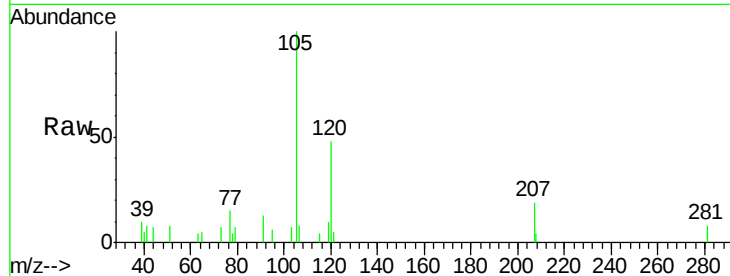
Time-->



#80
 1,3,5-Trimethylbenzene
 Concen: 0.708 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

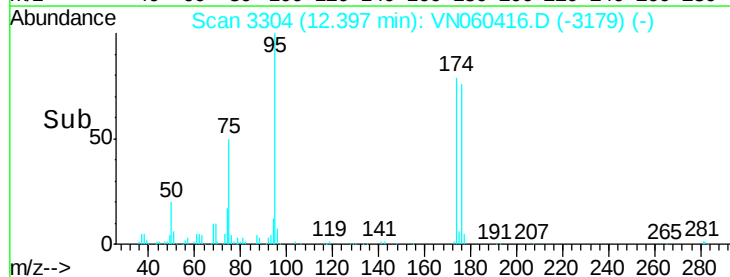
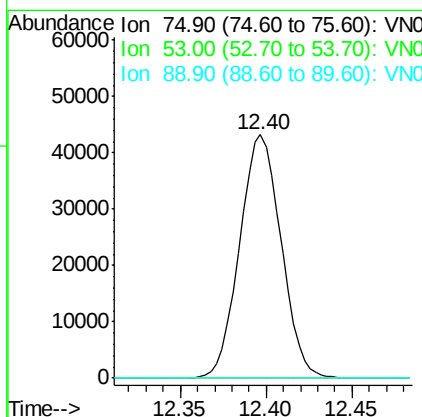
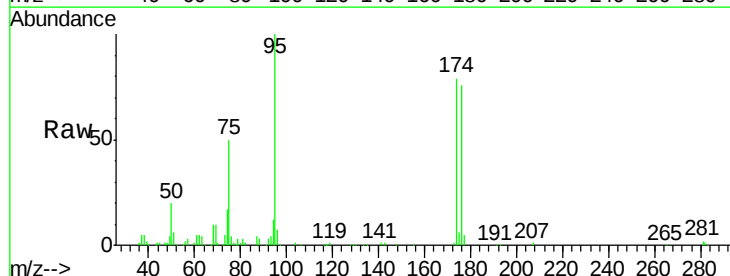
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392TB

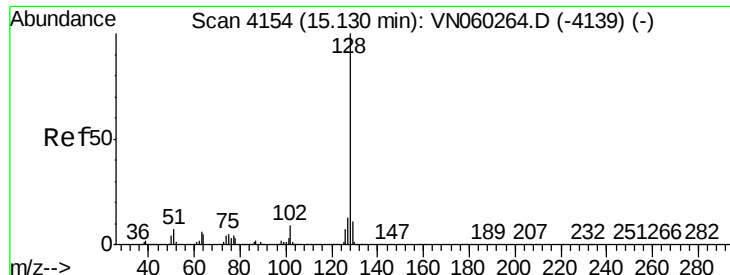
Tgt Ion: 105 Resp: 5925
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.761 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060416.D
 Acq: 10 Mar 2020 15:01

Tgt Ion: 75 Resp: 72176
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060416.D

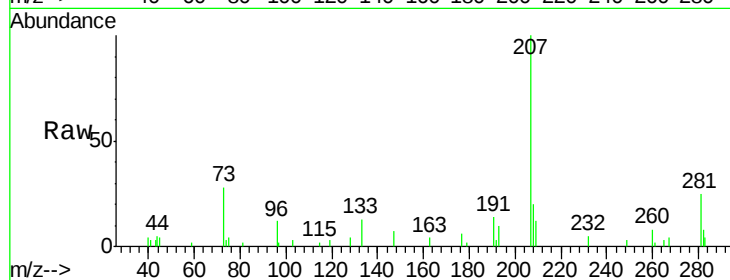
Acq: 10 Mar 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

PB127392TB



Tgt Ion:	128	Resp:	280
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

