

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060423.D
 Acq On : 10 Mar 2020 17:39
 Operator : JC/MD
 Sample : PB127392ZHE#18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#18

Quant Time: Mar 11 06:42:35 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	204495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	319558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150651	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	130219	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	7.57	113	100626	64.27	ug/l	0.00
Spiked Amount			Recovery	=	128.54%	
50) Toluene-d8	10.08	98	416429	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	154738	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6904	8.148	ug/l	95
18) Methyl Acetate	4.30	43	1635	0.578	ug/l #	52
20) Methylene Chloride	4.52	84	7493	3.220	ug/l	96
25) 2-Butanone	6.80	43	585	0.427	ug/l #	49
31) Cyclohexane	7.64	56	4465	Below Cal	#	10
36) 1,1-Dichloropropene	7.64	75	16152	5.024	ug/l #	50
37) Ethyl Acetate	6.82	43	713	0.234	ug/l #	68
38) Carbon Tetrachloride	7.64	117	20105	6.423	ug/l #	16
43) Isopropyl Acetate	8.14	43	56731	10.645	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1206	0.493	ug/l #	44
48) Methyl methacrylate	9.17	41	3076	1.266	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4883	1.616	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	24165	5.895	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4099	1.063	ug/l #	42
59) 2-Hexanone	10.75	43	60738	27.378	ug/l #	51
71) Bromoform	12.40	173	621	0.361	ug/l #	1
74) N-amyl acetate	12.02	43	3109	0.637	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	80390	24.322	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5890	0.627	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	80390	67.139	ug/l #	8
95) Naphthalene	15.14	128	64	Below Cal	#	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

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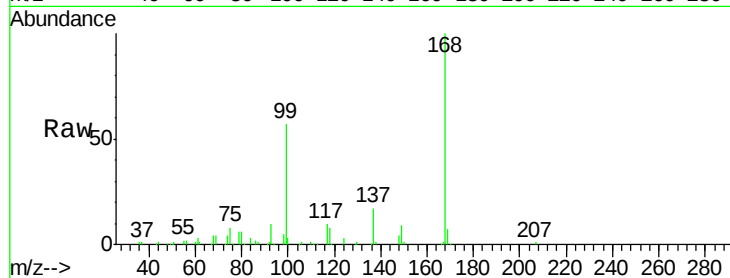
PB127392ZHE#18

Tgt Ion:168 Resp: 204495

Ion Ratio Lower Upper

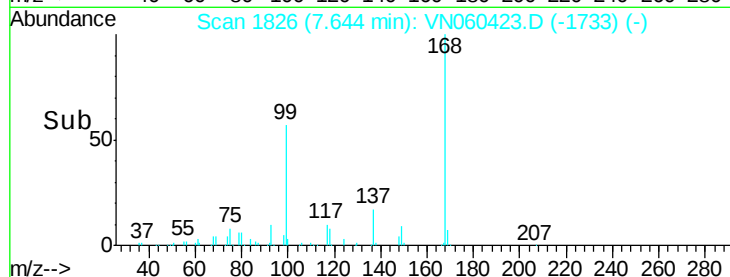
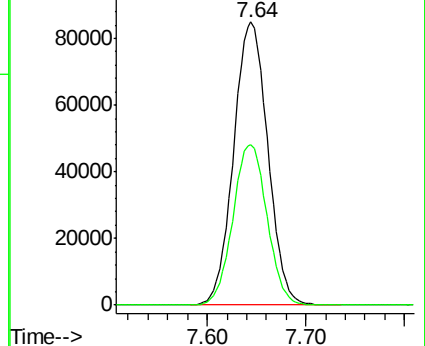
168 100

99 56.8 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: 8.148 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060423.D

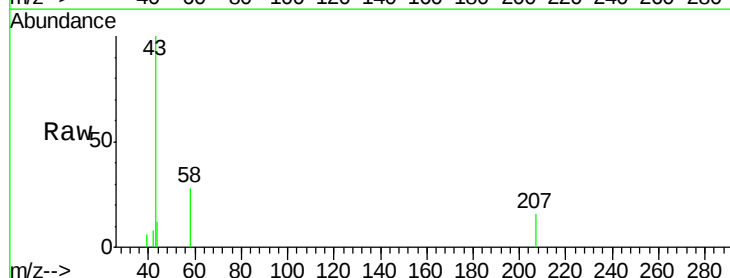
Acq: 10 Mar 2020 17:39

Tgt Ion: 43 Resp: 6904

Ion Ratio Lower Upper

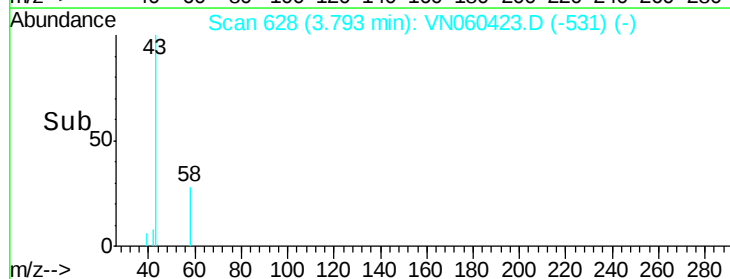
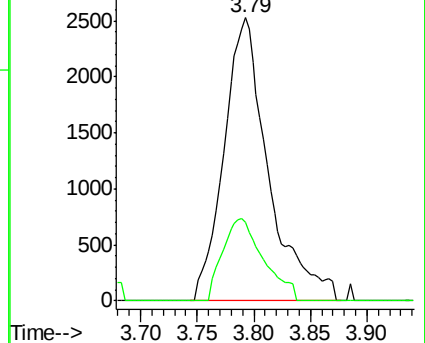
43 100

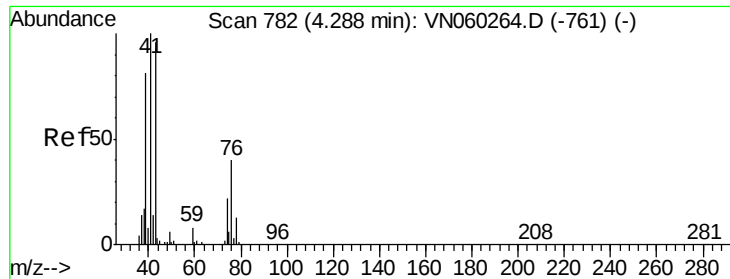
58 27.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

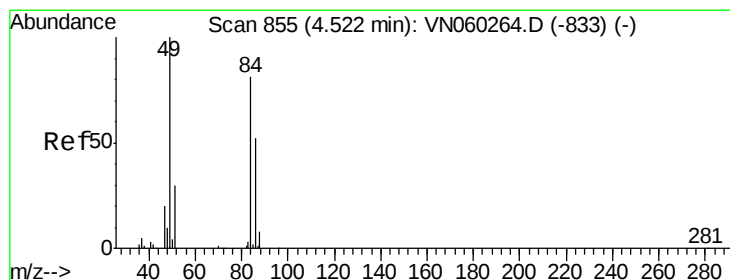
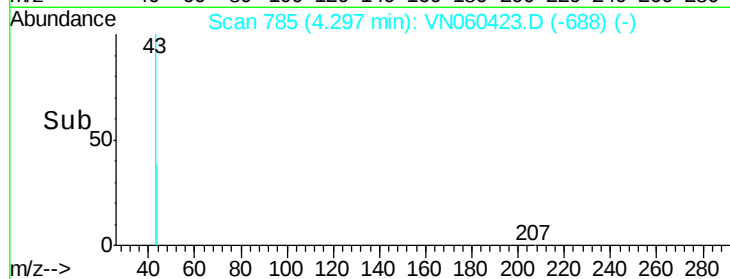
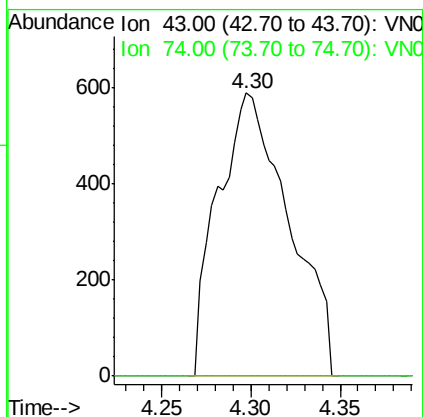
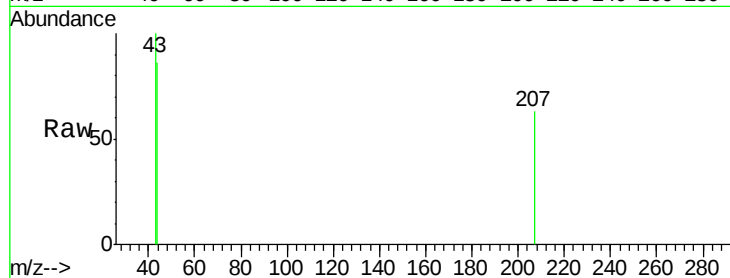




#18
Methyl Acetate
Concen: 0.578 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

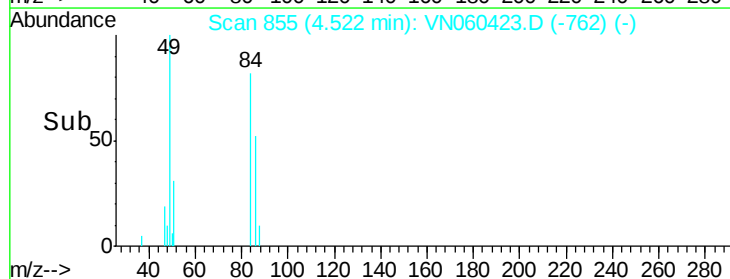
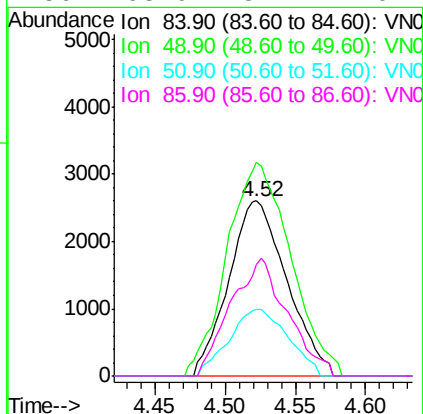
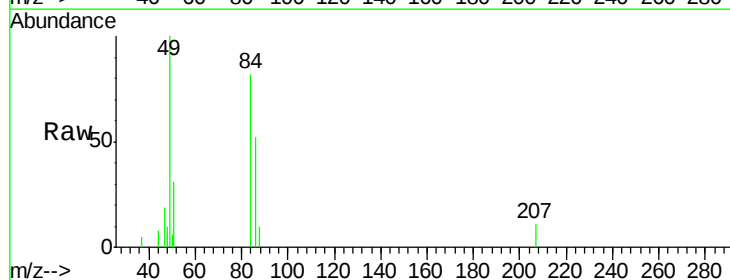
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#18

Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.220 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Tgt Ion: 84 Resp: 7493
Ion Ratio Lower Upper
84 100
49 116.0 99.3 148.9
51 38.3 30.1 45.1
86 63.9 51.1 76.7





#25

2-Butanone

Concen: 0.427 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

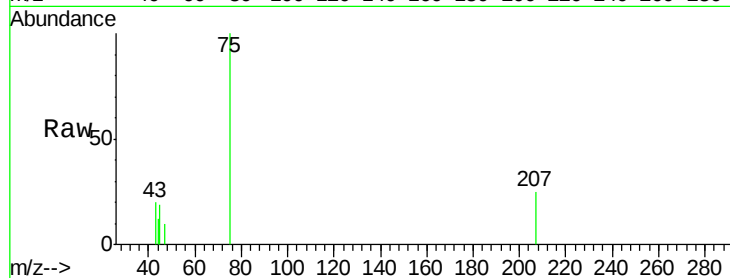
PB127392ZHE#18

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

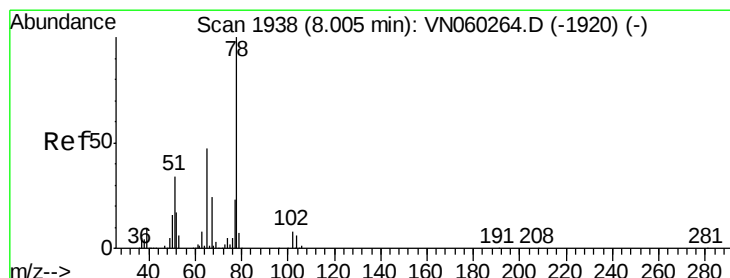
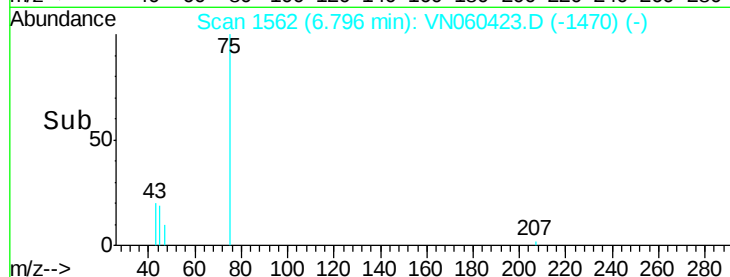
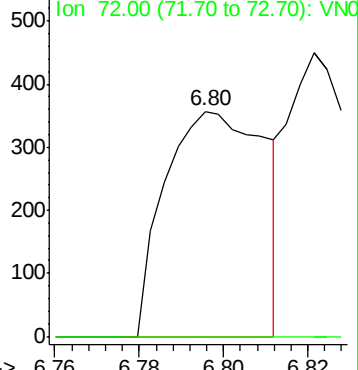
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.632 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060423.D

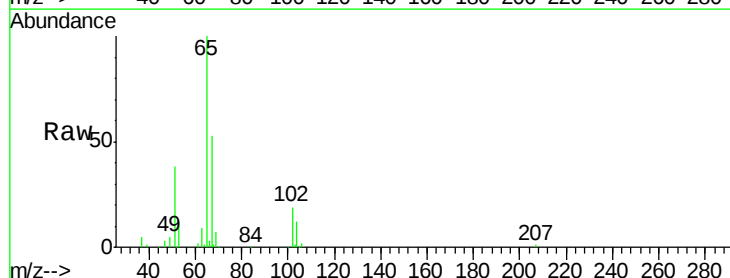
Acq: 10 Mar 2020 17:39

Tgt Ion: 65 Resp: 130219

Ion Ratio Lower Upper

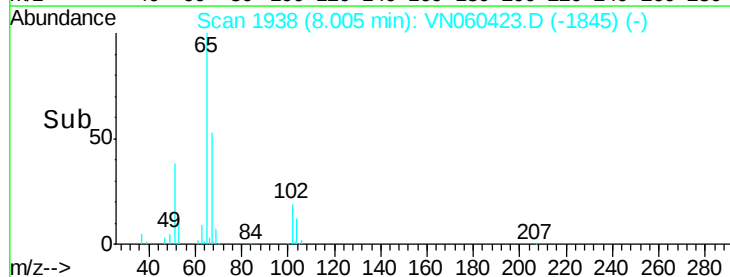
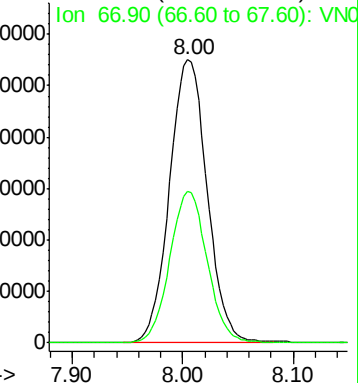
65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

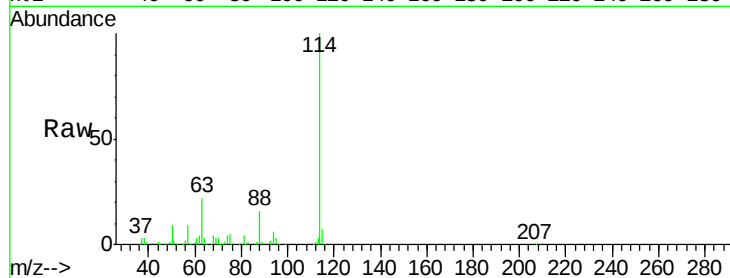




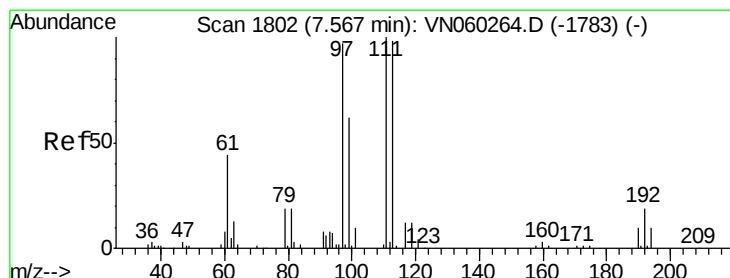
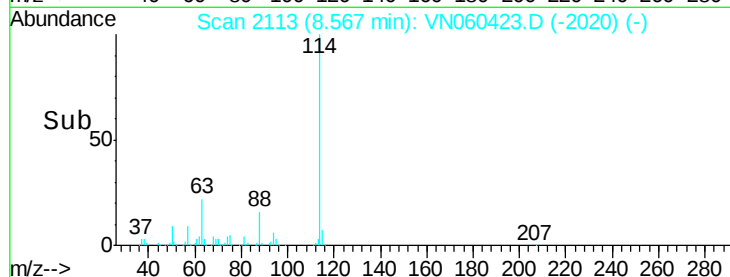
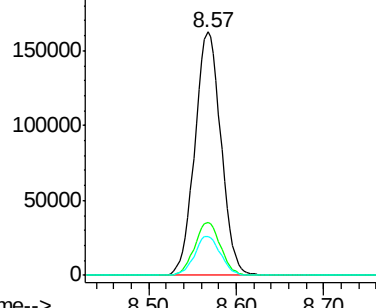
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#18

Tgt Ion:114 Resp: 337322
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.2
88 16.1 0.0 31.6

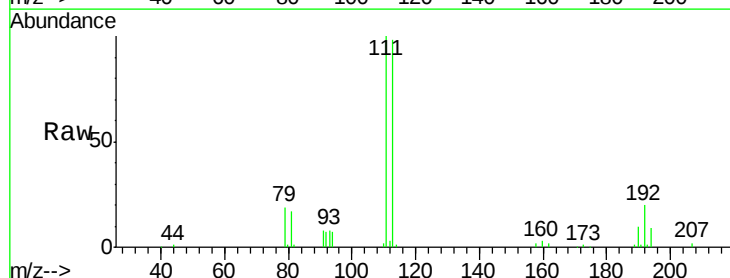


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

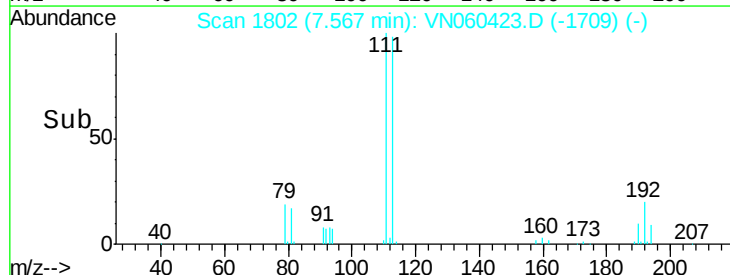
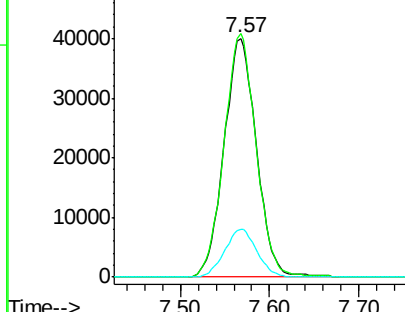


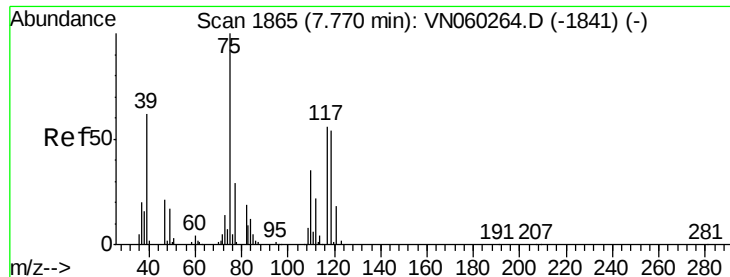
#35
Dibromofluoromethane
Concen: 64.267 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Tgt Ion:113 Resp: 100626
Ion Ratio Lower Upper
113 100
111 101.1 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: 5.024 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#18

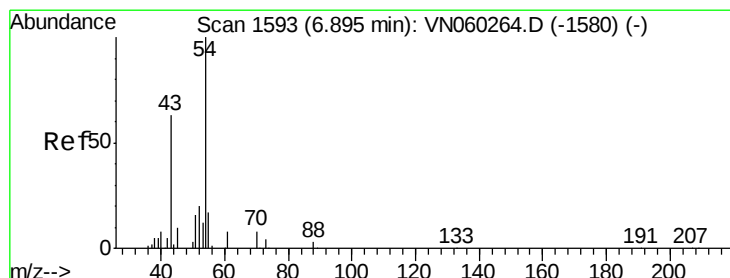
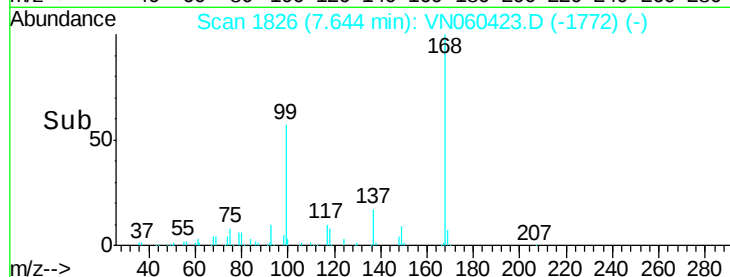
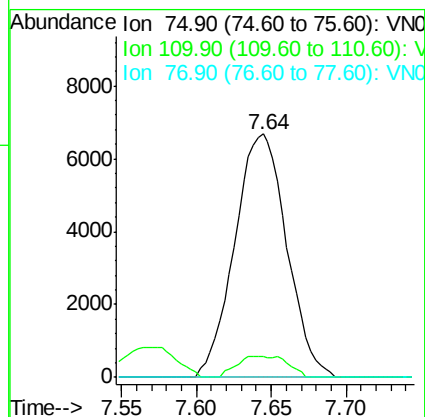
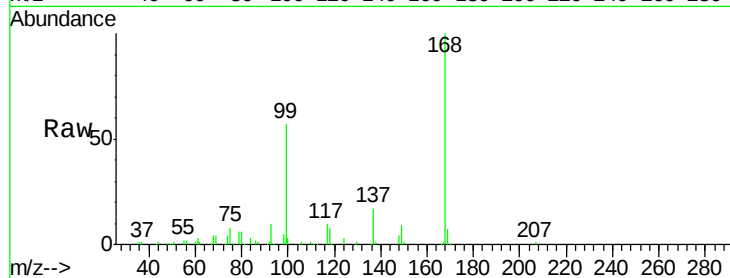
Tgt Ion: 75 Resp: 16152

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.234 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.07 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

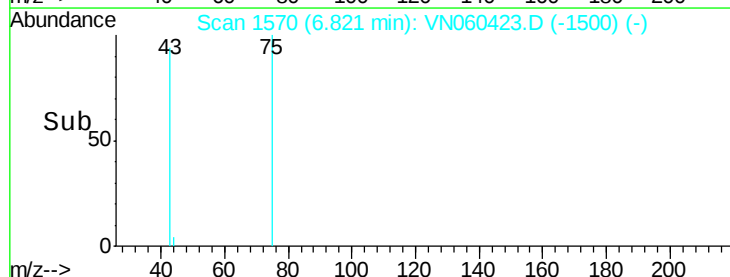
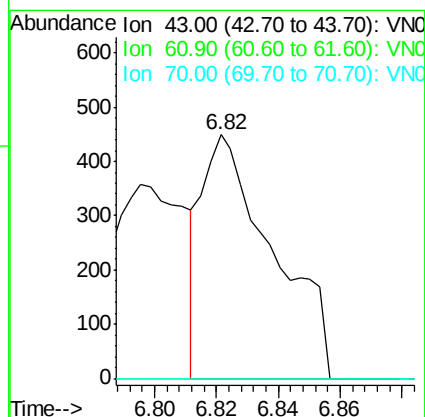
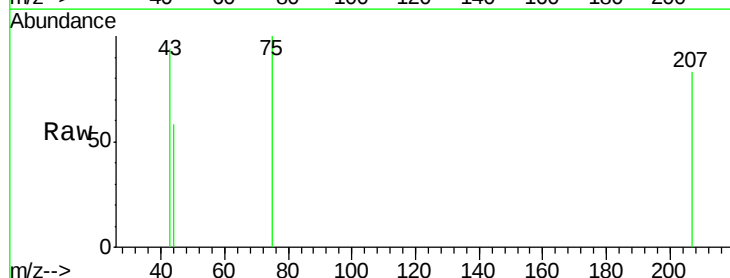
Tgt Ion: 43 Resp: 713

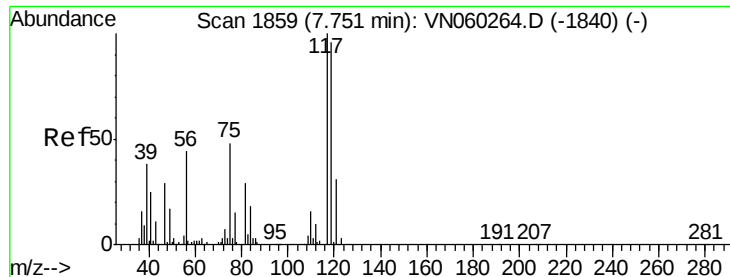
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#18

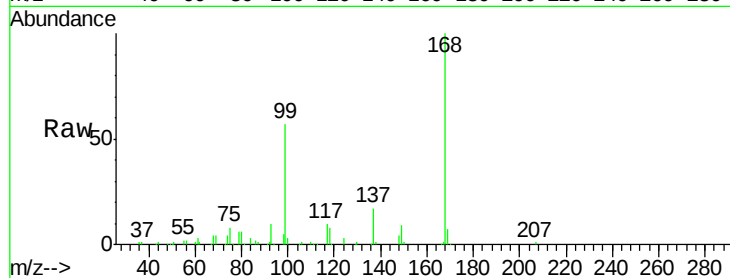
Tgt Ion:117 Resp: 20105

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

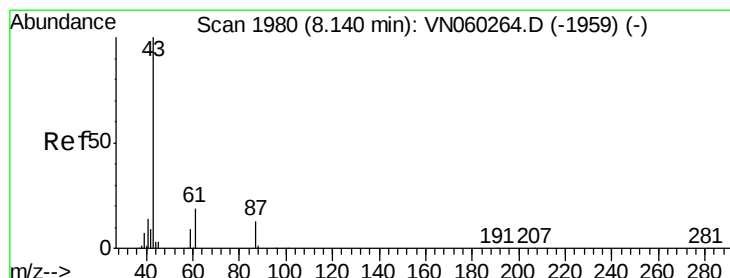
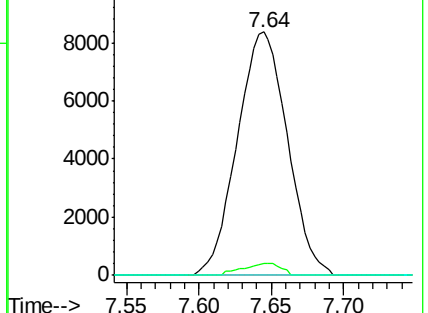
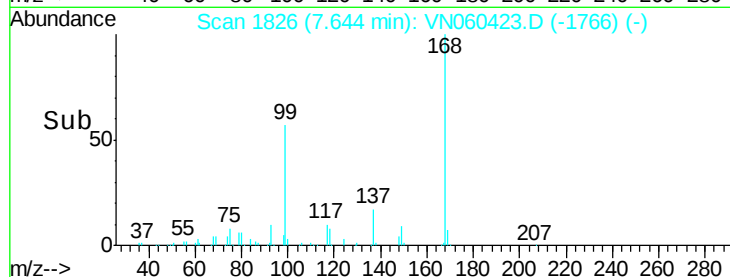
121 0.0 24.5 36.7#



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: 10.645 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

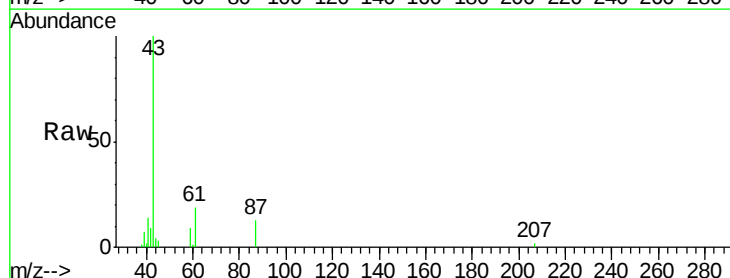
Tgt Ion: 43 Resp: 56731

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

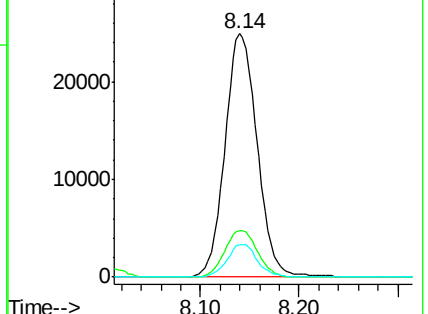
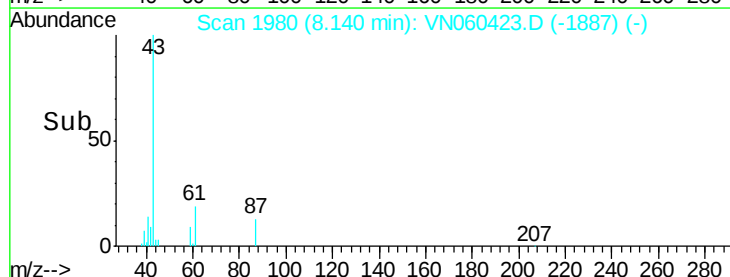
87 12.6 10.6 16.0

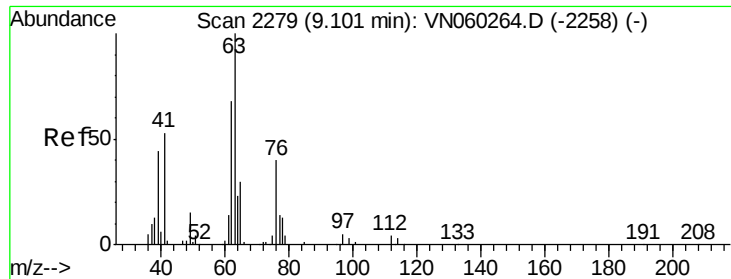


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.493 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

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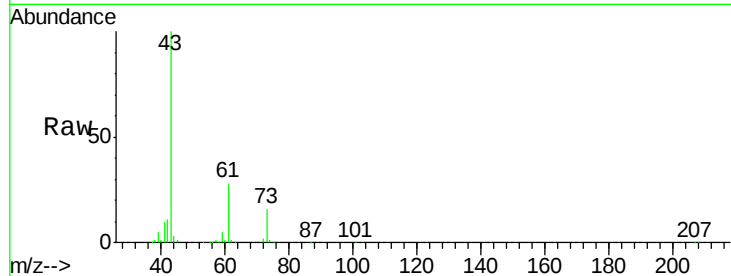
PB127392ZHE#18

Tgt Ion: 63 Resp: 1206

Ion Ratio Lower Upper

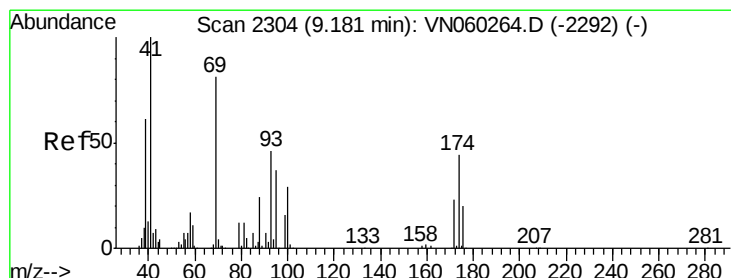
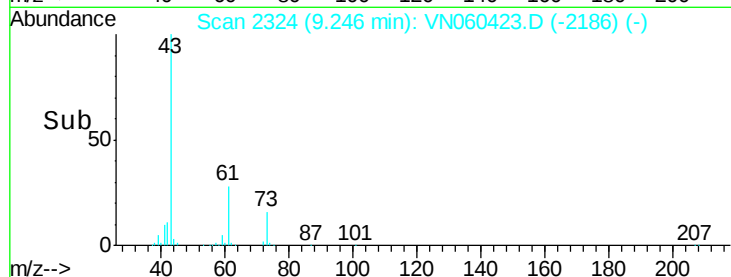
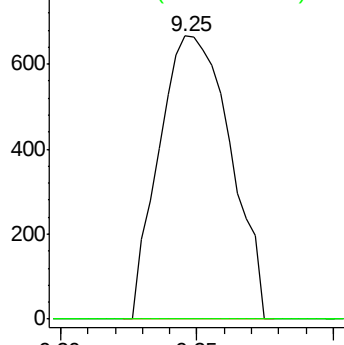
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.266 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

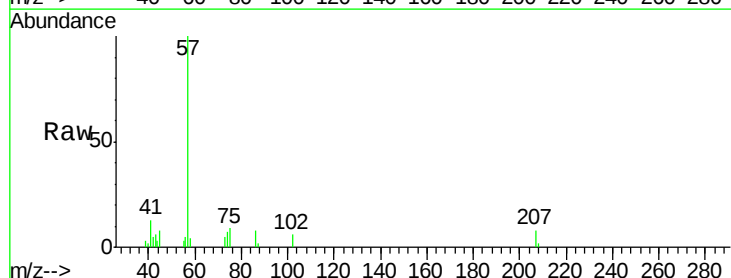
Tgt Ion: 41 Resp: 3076

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

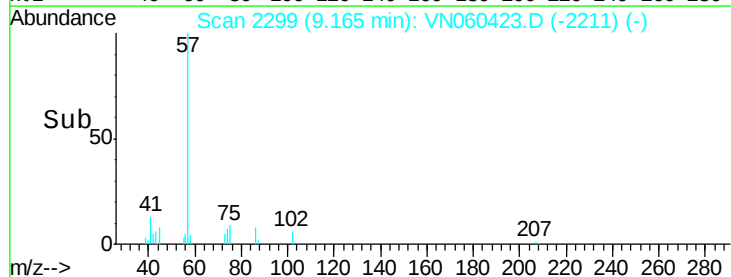
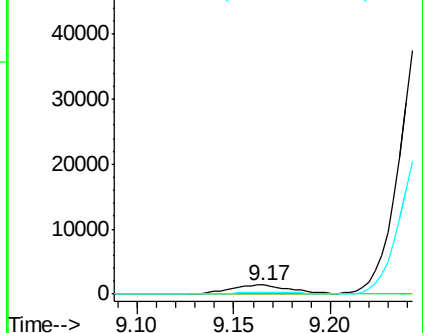
39 0.0 50.1 75.1#

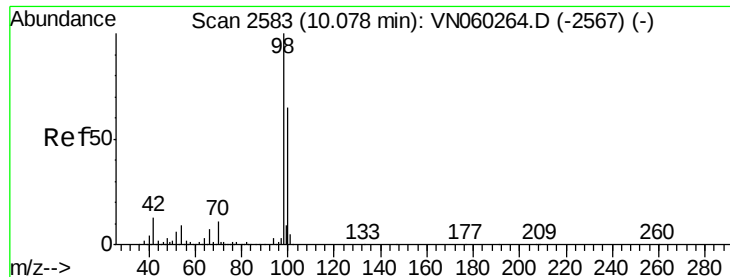


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.550 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

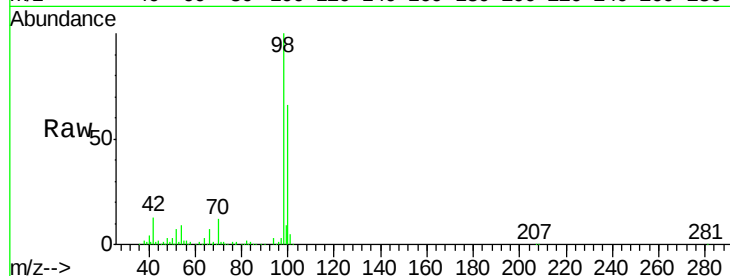
PB127392ZHE#18

Tgt Ion: 98 Resp: 416429

Ion Ratio Lower Upper

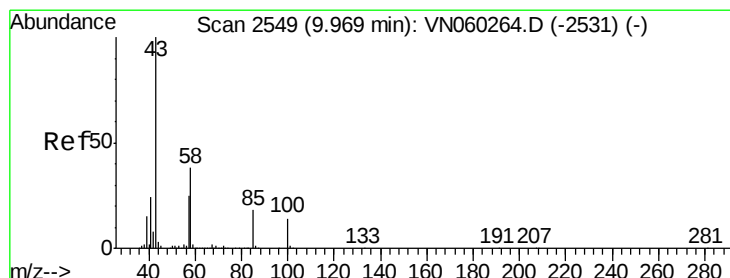
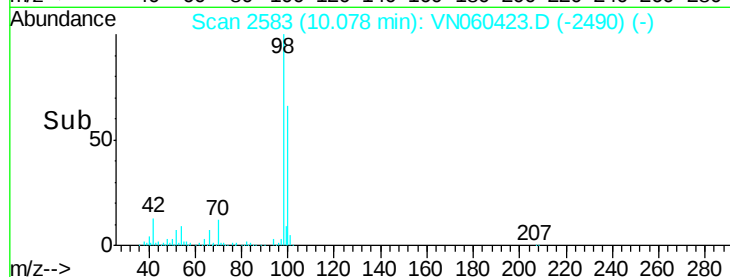
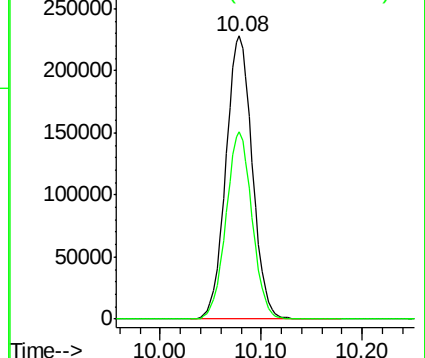
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.616 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060423.D

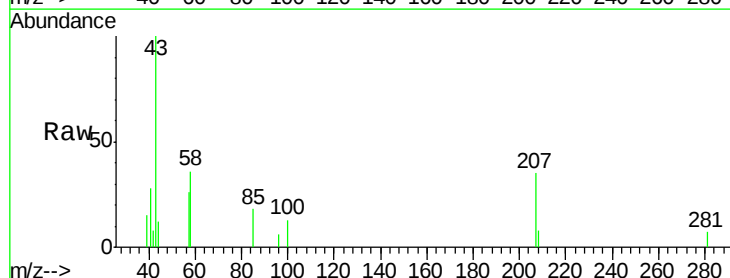
Acq: 10 Mar 2020 17:39

Tgt Ion: 43 Resp: 4883

Ion Ratio Lower Upper

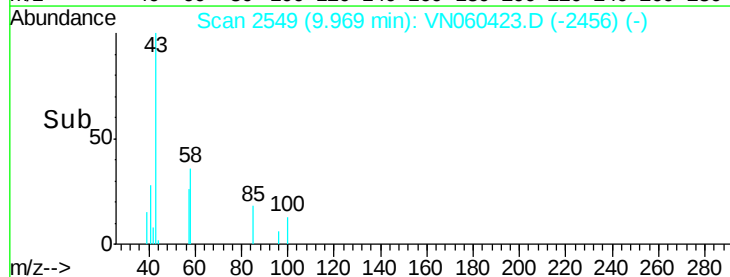
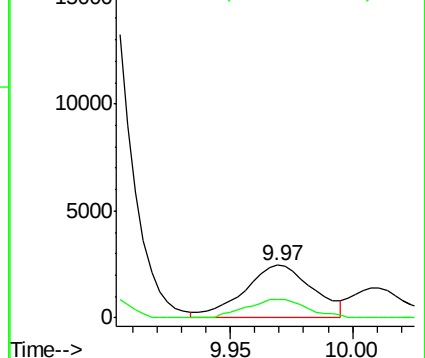
43 100

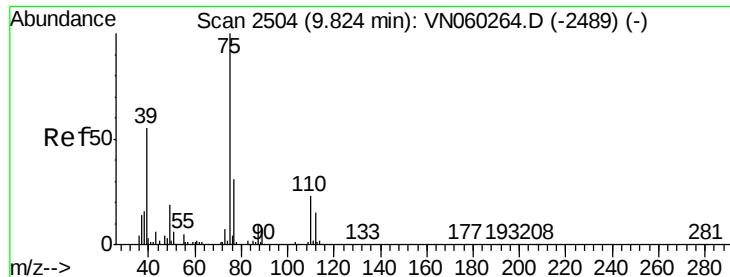
58 31.1 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 5.895 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#18

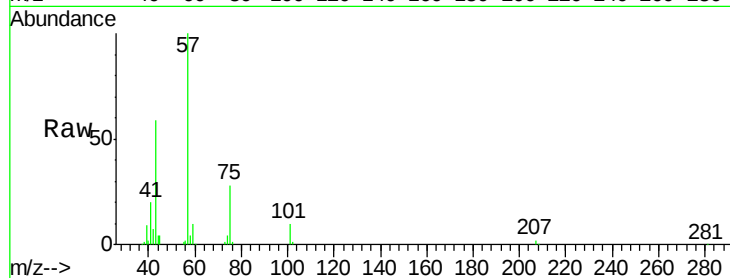
Tgt Ion: 75 Resp: 24165

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

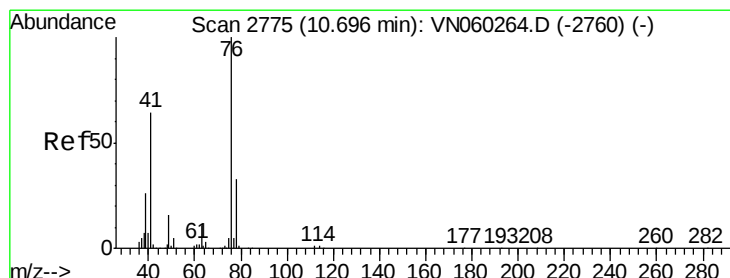
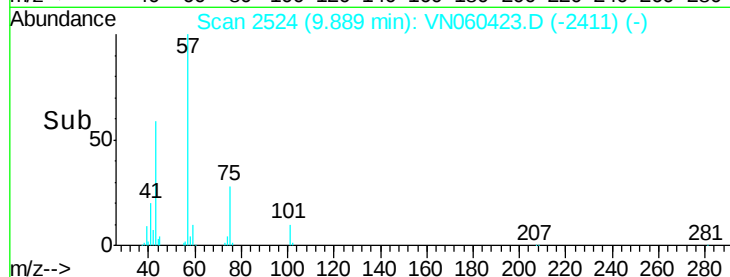
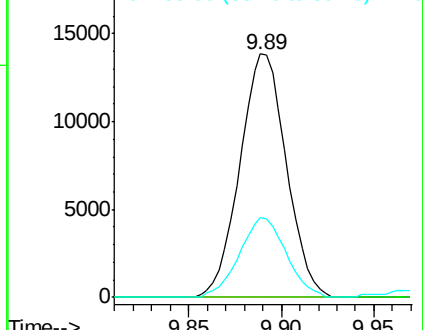
39 32.8 43.8 65.8#



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: 1.063 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060423.D

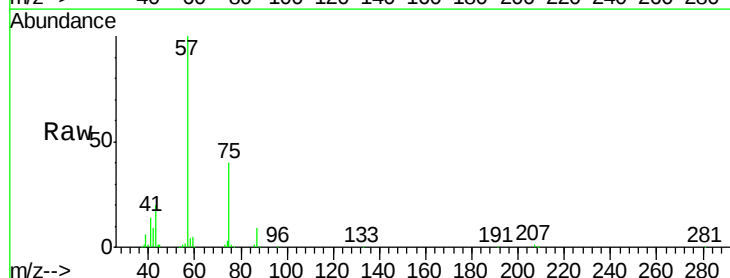
Acq: 10 Mar 2020 17:39

Tgt Ion: 76 Resp: 4099

Ion Ratio Lower Upper

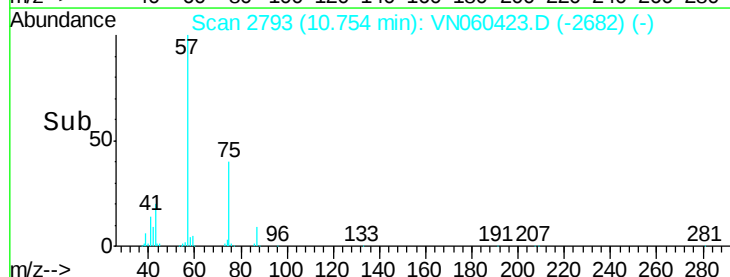
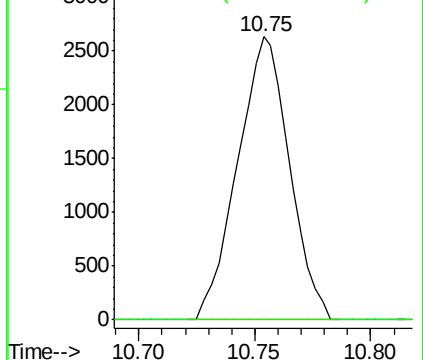
76 100

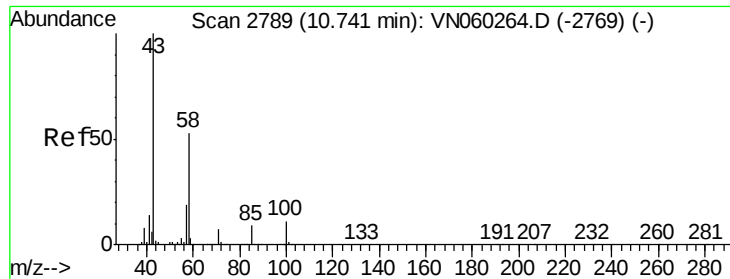
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

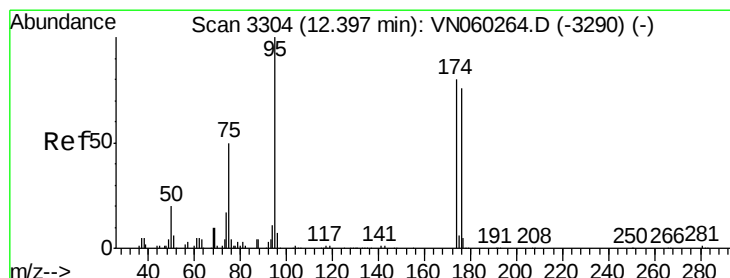
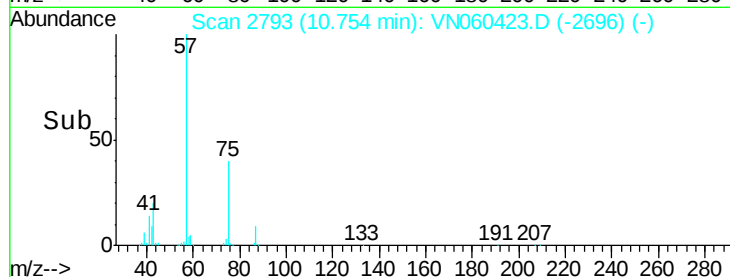
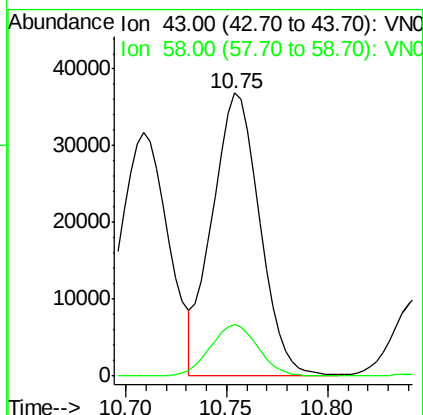
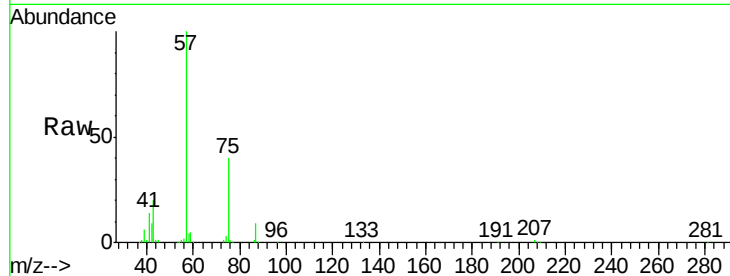




#59
2-Hexanone
Concen: 27.378 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

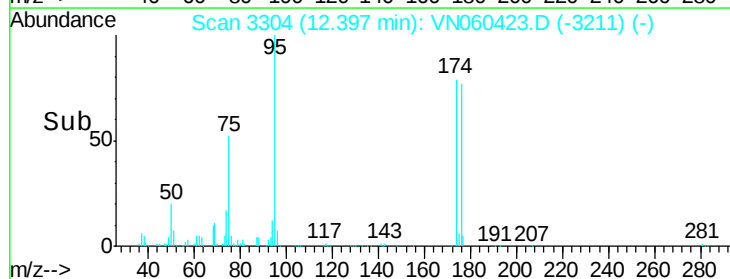
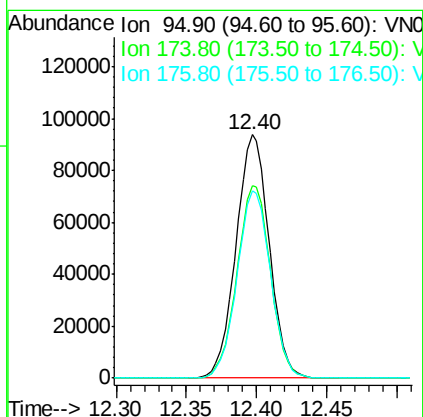
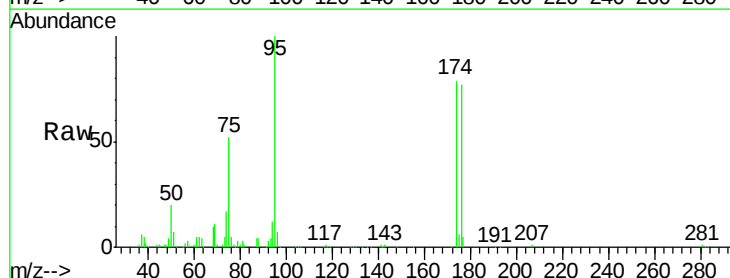
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#18

Tgt Ion: 43 Resp: 60738
Ion Ratio Lower Upper
43 100
58 18.1 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.512 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Tgt Ion: 95 Resp: 154738
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.2
176 77.4 0.0 153.8

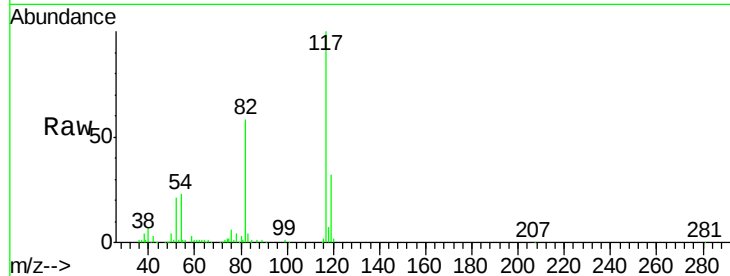




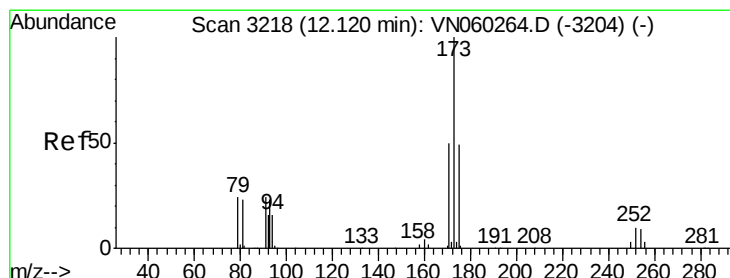
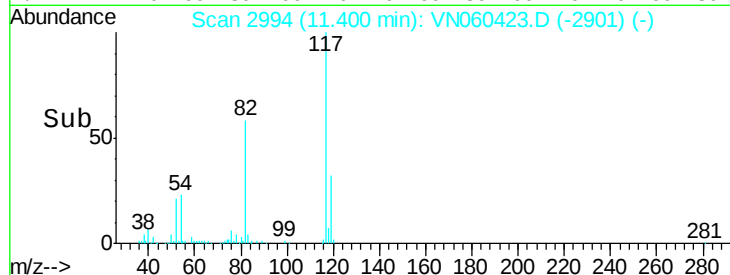
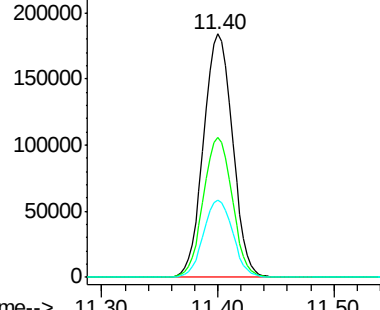
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#18

Tgt Ion:117 Resp: 319558
Ion Ratio Lower Upper
117 100
82 57.7 45.8 68.6
119 31.8 25.8 38.8

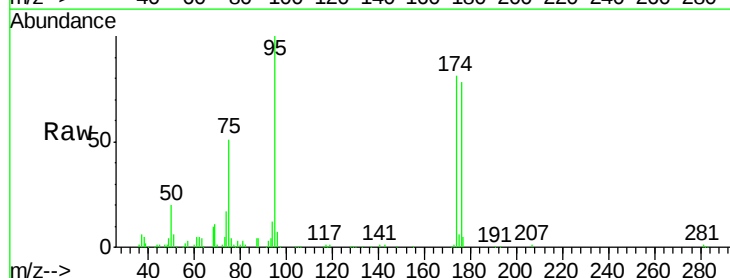


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

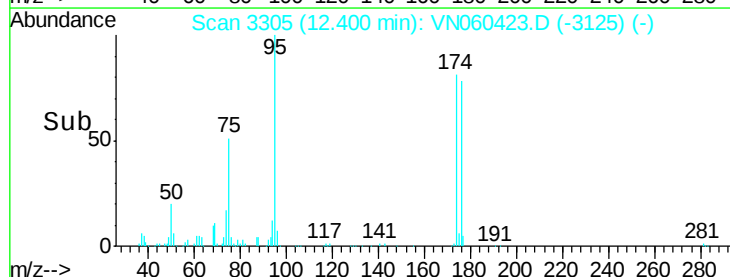
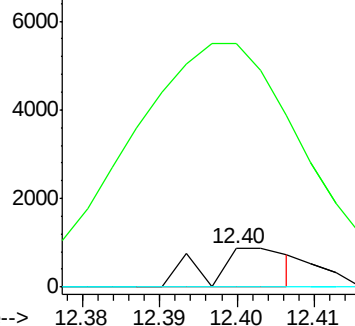


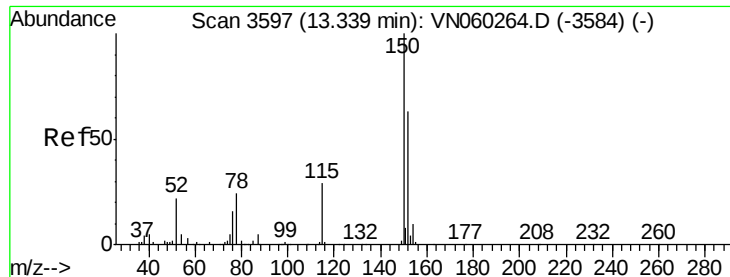
#71
Bromoform
Concen: 0.361 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Tgt Ion:173 Resp: 621
Ion Ratio Lower Upper
173 100
175 1215.8 24.1 72.2#
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: VN060423.D

Acq: 10 Mar 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#18

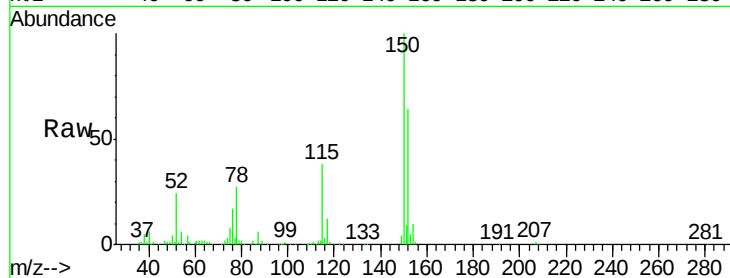
Tgt Ion:152 Resp: 150651

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

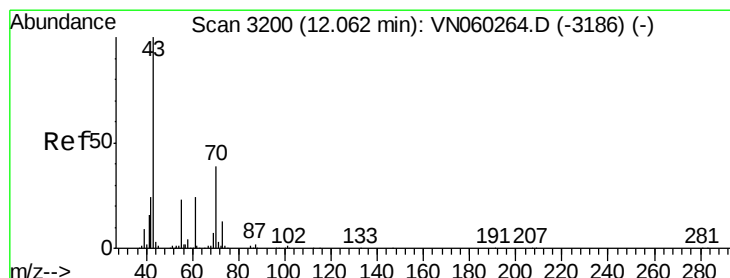
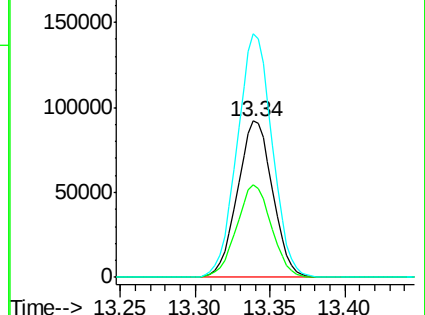
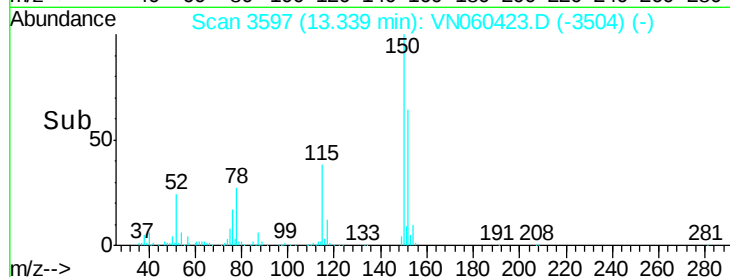
150 155.2 0.0 349.6



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: 0.637 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060423.D

Acq: 10 Mar 2020 17:39

Tgt Ion: 43 Resp: 3109

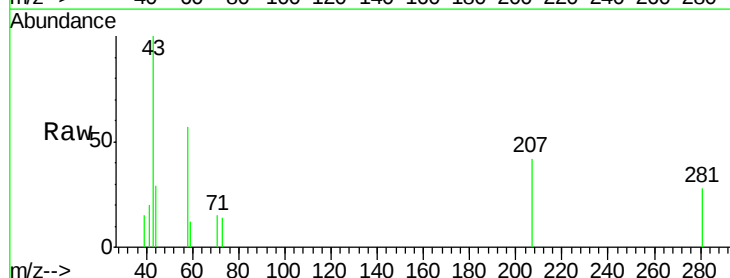
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

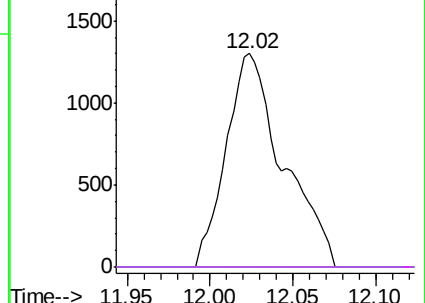
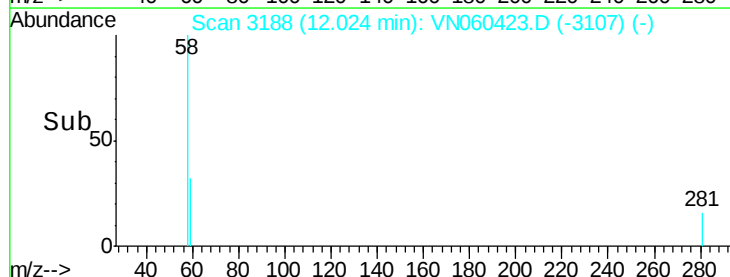


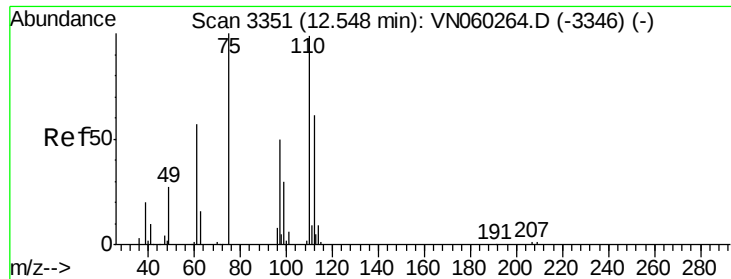
Abundance Ion 43.00 (42.70 to 43.70): V

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

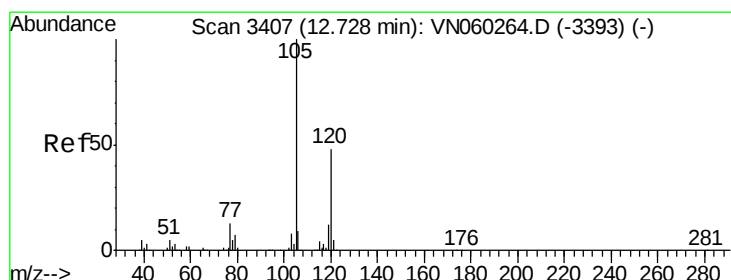
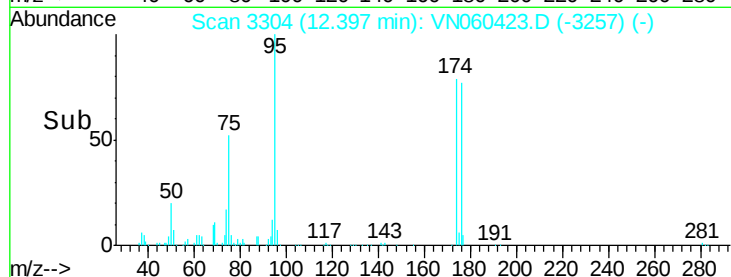
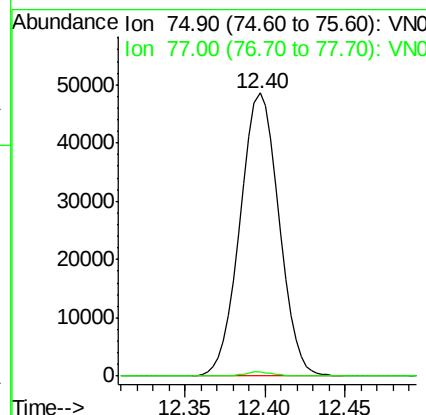
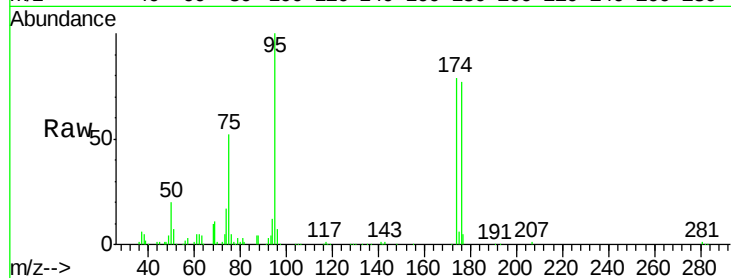




#76
 1,2,3-Trichloropropane
 Concen: 24.322 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060423.D
 Acq: 10 Mar 2020 17:39

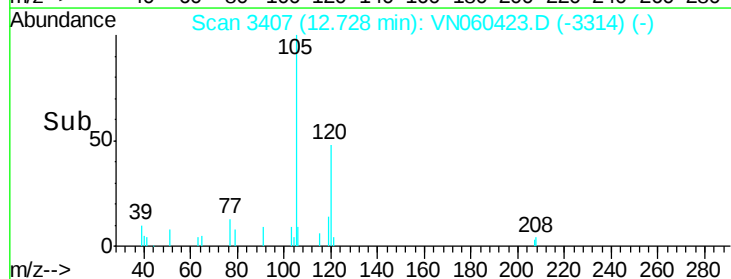
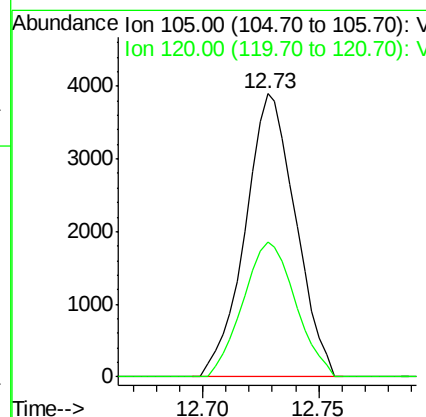
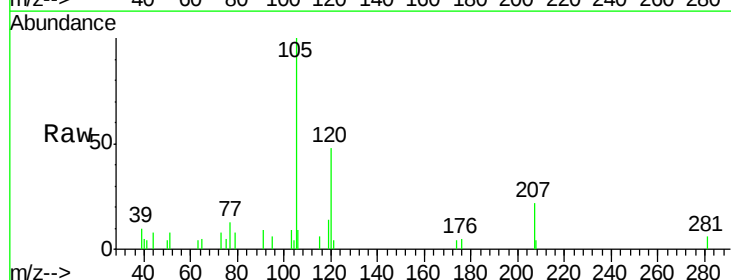
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#18

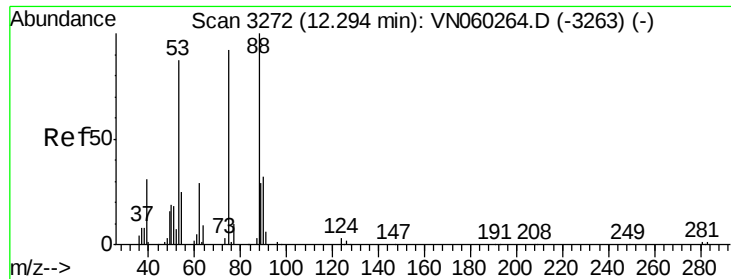
Tgt Ion: 75 Resp: 80390
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.627 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060423.D
 Acq: 10 Mar 2020 17:39

Tgt Ion: 105 Resp: 5890
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.1 72.4

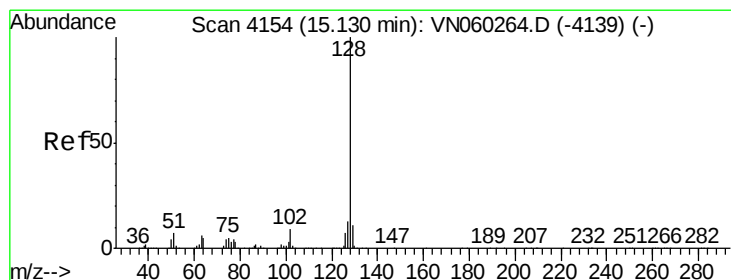
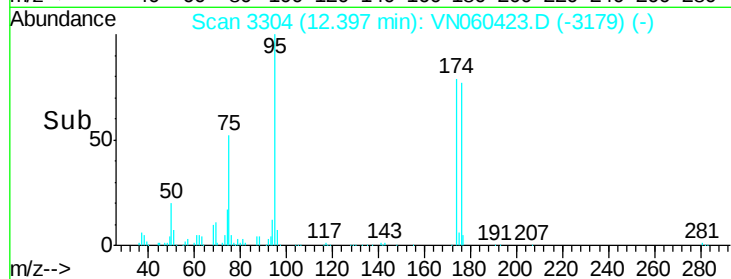
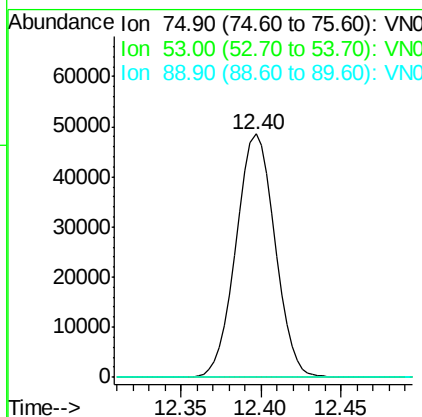
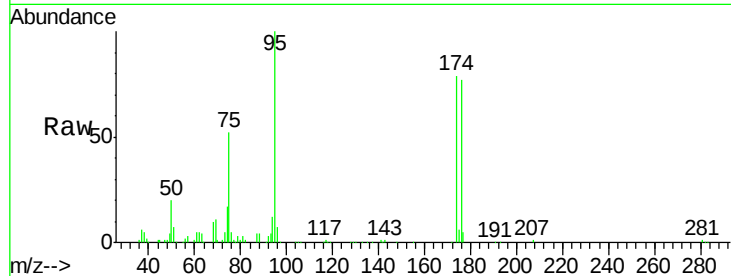




#81
trans-1,4-Dichloro-2-butene
Concen: 67.139 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#18

Tgt Ion: 75 Resp: 80390
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: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN060423.D
Acq: 10 Mar 2020 17:39

Tgt Ion: 128 Resp: 64
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

