

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060422.D
 Acq On : 10 Mar 2020 17:17
 Operator : JC/MD
 Sample : PB127392ZHE#17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#17

Quant Time: Mar 11 06:42:22 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	196938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140461	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126384	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.57	113	94354	62.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.04%	
50) Toluene-d8	10.08	98	400743	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	147823	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

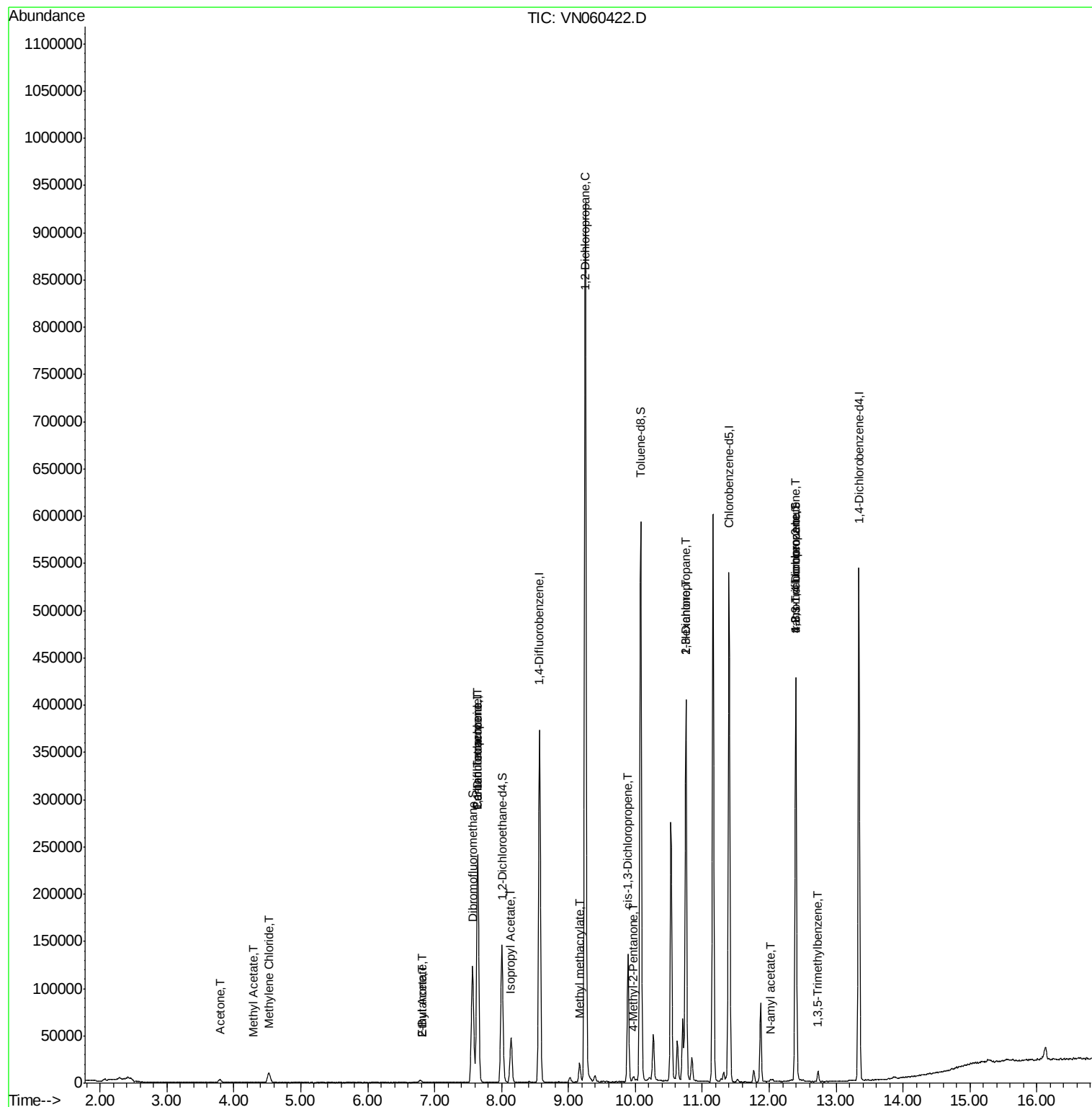
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6854	8.400	ug/l	99
18) Methyl Acetate	4.29	43	887	0.326	ug/l #	52
20) Methylene Chloride	4.53	84	8160	3.641	ug/l	95
25) 2-Butanone	6.82	43	1111	0.843	ug/l #	49
31) Cyclohexane	7.64	56	4009	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15215	4.910	ug/l #	50
37) Ethyl Acetate	6.82	43	1111	0.379	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19197	6.363	ug/l #	17
43) Isopropyl Acetate	8.14	43	56954	11.088	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1072	0.455	ug/l #	44
48) Methyl methacrylate	9.16	41	2972	1.269	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4278	1.469	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	24302	6.151	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	4049	1.090	ug/l #	42
59) 2-Hexanone	10.75	43	59573	27.860	ug/l #	52
74) N-amyl acetate	12.02	43	3184	0.700	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75388	24.463	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6279	0.716	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	75388	67.529	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	29	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.36	146	29	Below Cal	#	1

(#) = 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
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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: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

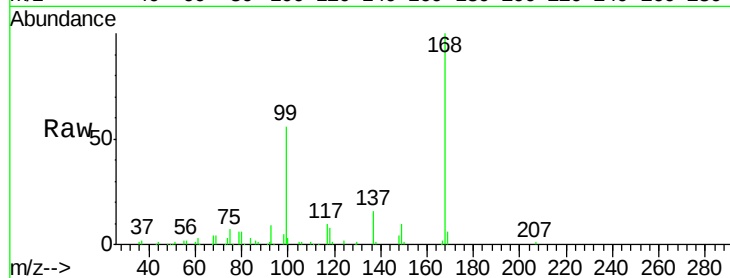
PB127392ZHE#17

Tgt Ion:168 Resp: 196938

Ion Ratio Lower Upper

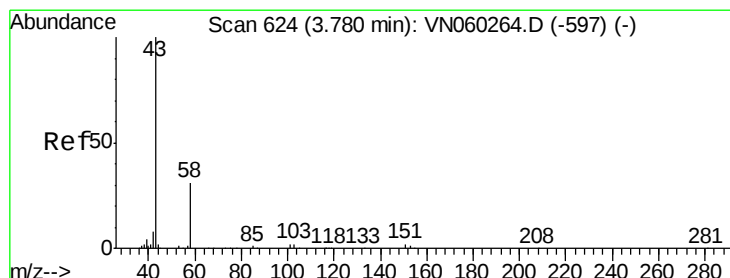
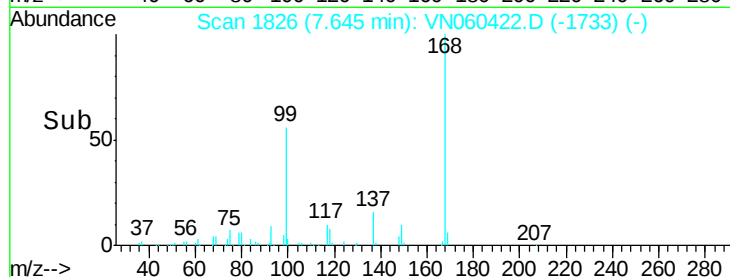
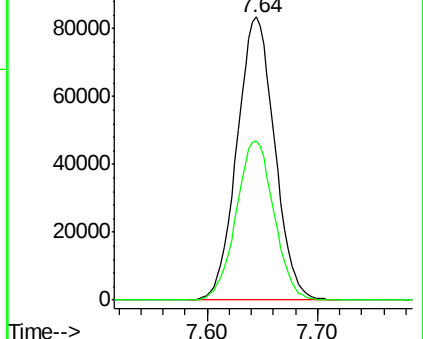
168 100

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): VN



#16

Acetone

Concen: 8.400 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060422.D

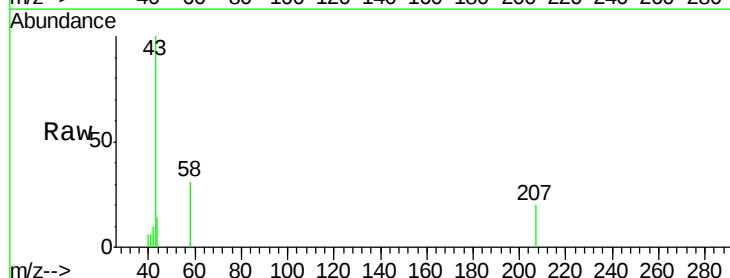
Acq: 10 Mar 2020 17:17

Tgt Ion: 43 Resp: 6854

Ion Ratio Lower Upper

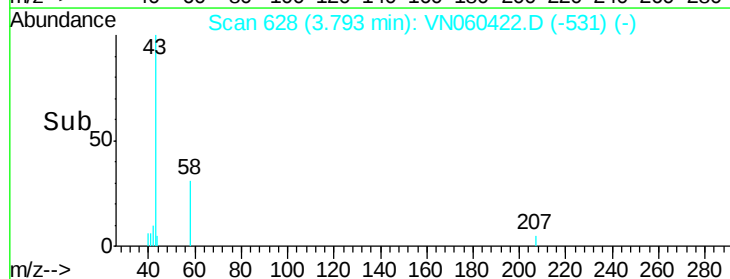
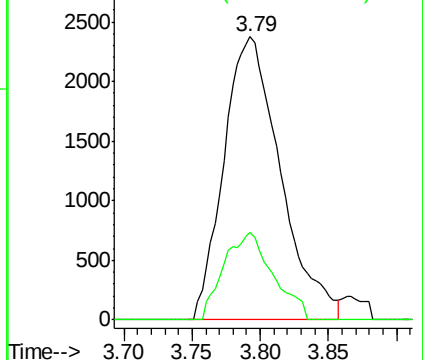
43 100

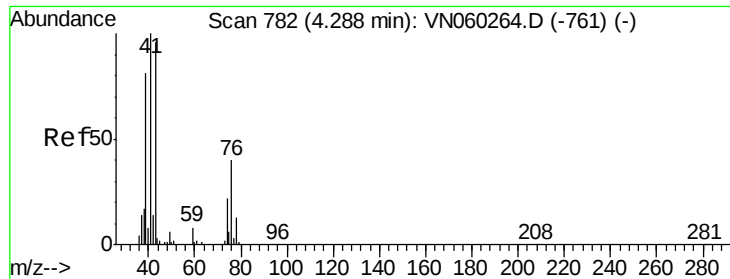
58 31.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

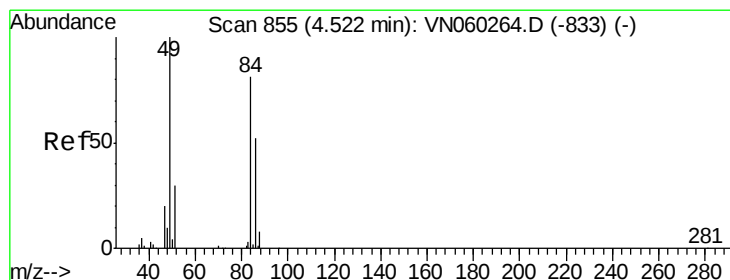
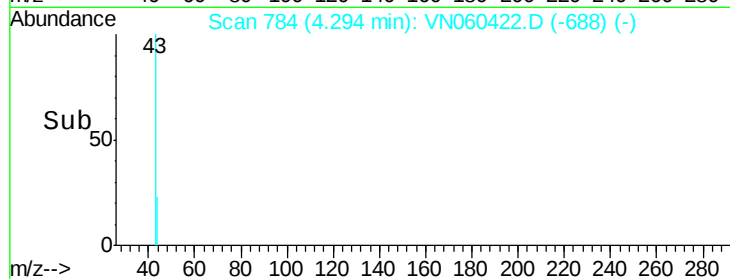
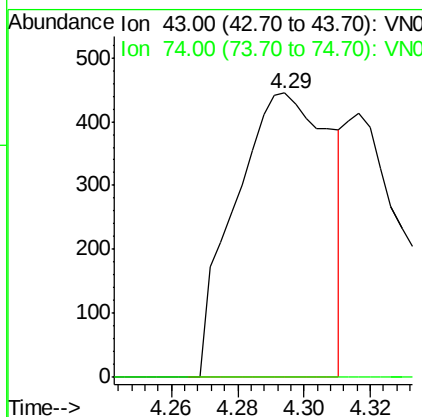
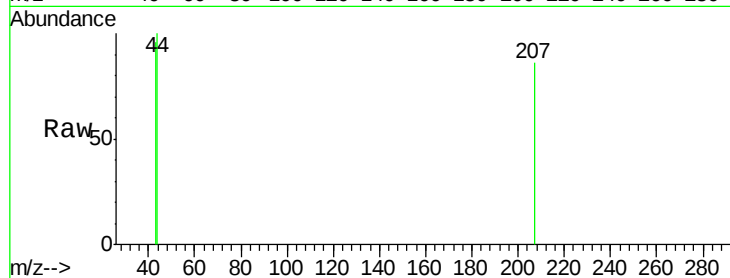




#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

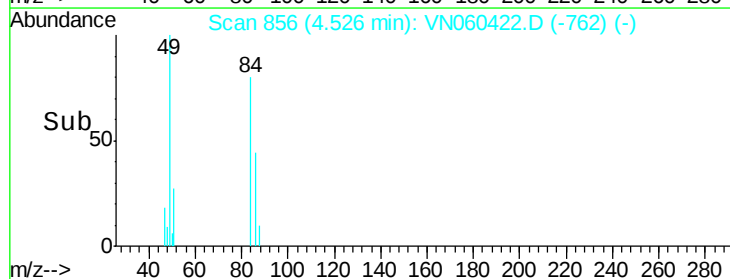
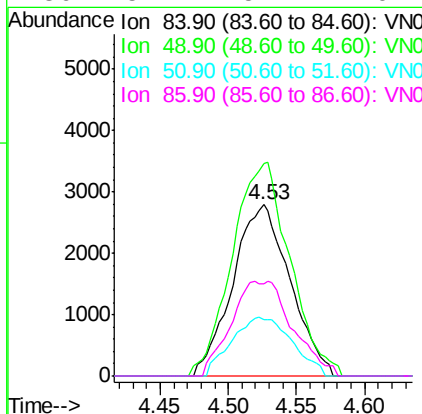
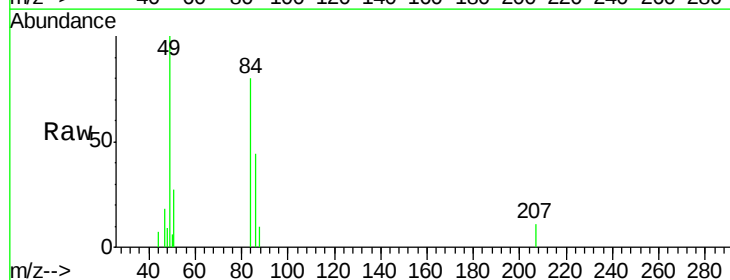
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#17

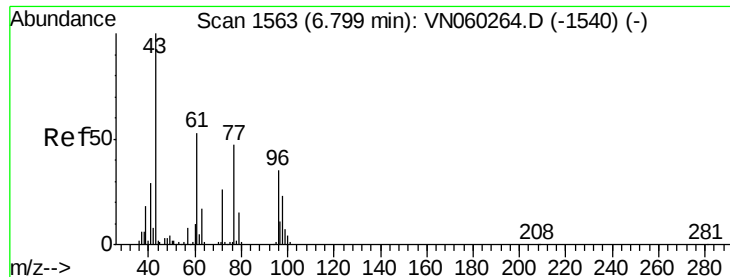
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 3.641 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

Tgt Ion: 84 Resp: 8160
Ion Ratio Lower Upper
84 100
49 124.5 99.3 148.9
51 33.1 30.1 45.1
86 54.2 51.1 76.7





#25

2-Butanone

Concen: 0.843 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

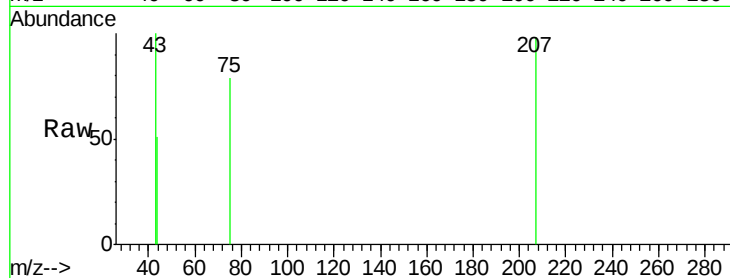
PB127392ZHE#17

Tgt Ion: 43 Resp: 1111

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

6.82

400

300

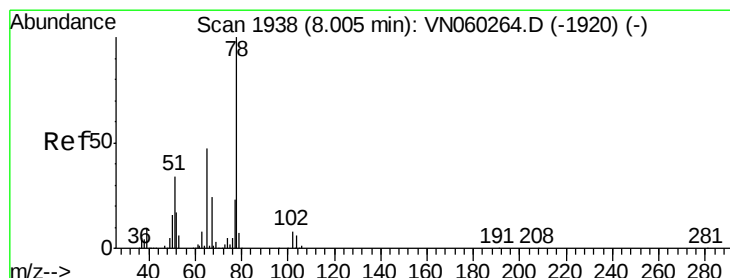
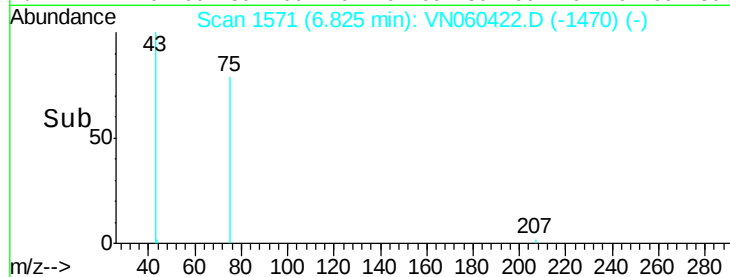
200

100

0

6.75 6.80 6.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.019 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060422.D

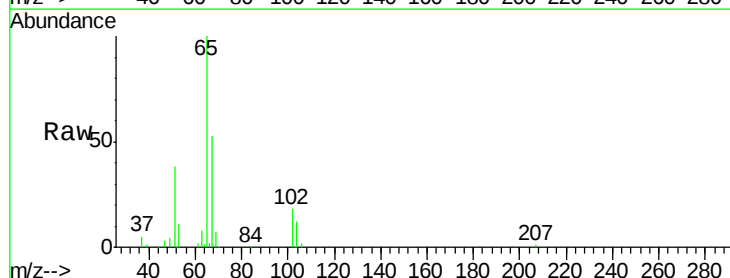
Acq: 10 Mar 2020 17:17

Tgt Ion: 65 Resp: 126384

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

30000

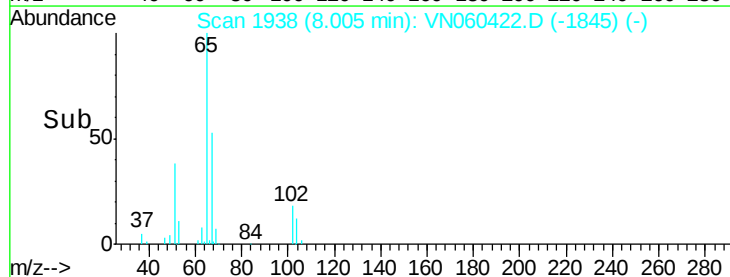
20000

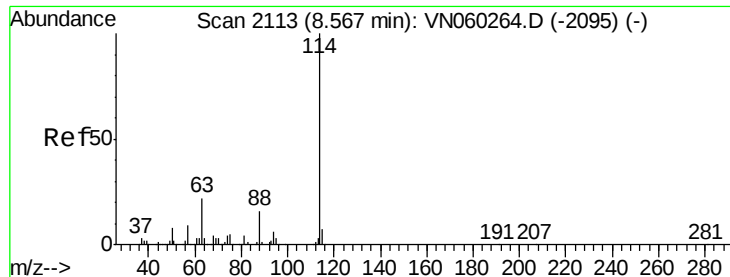
10000

0

7.90 8.00 8.10

Time-->

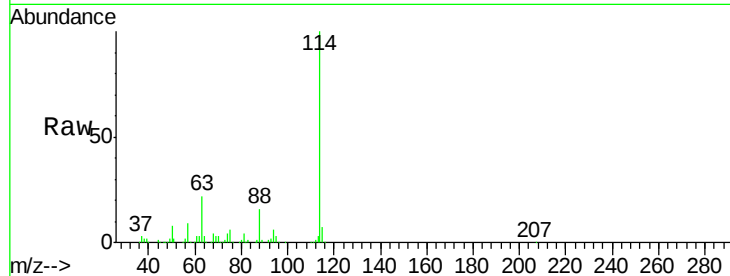




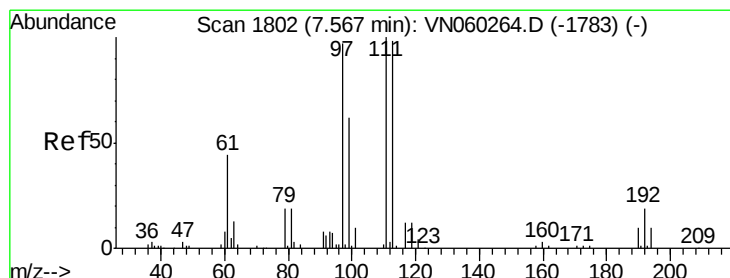
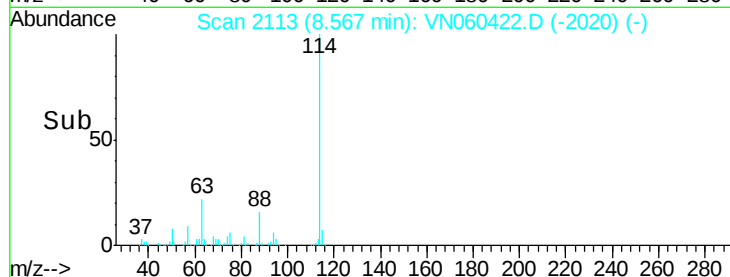
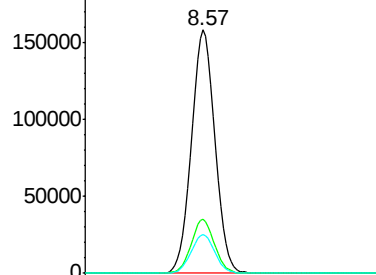
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.1	0.0	31.6

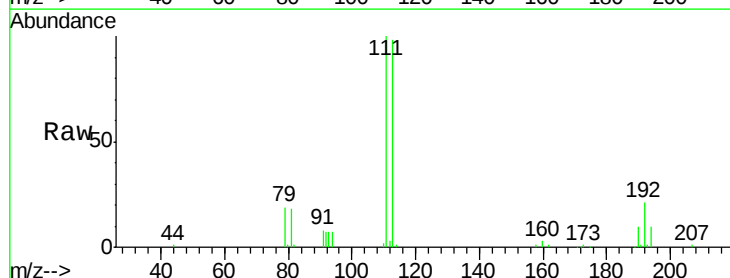


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

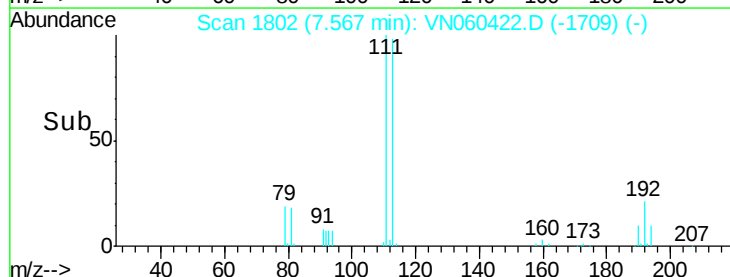
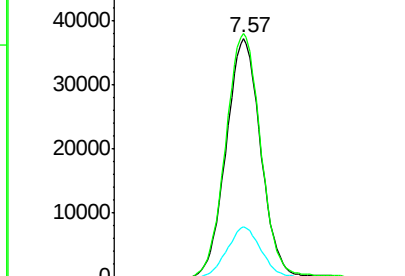


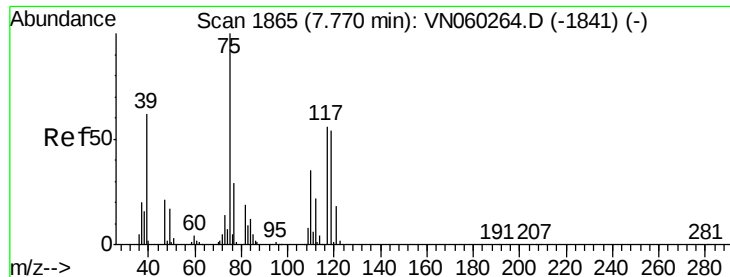
#35
Dibromofluoromethane
Concen: 62.522 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	20.4	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: 4.910 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#17

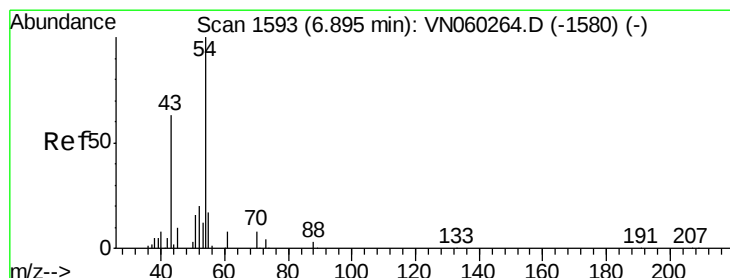
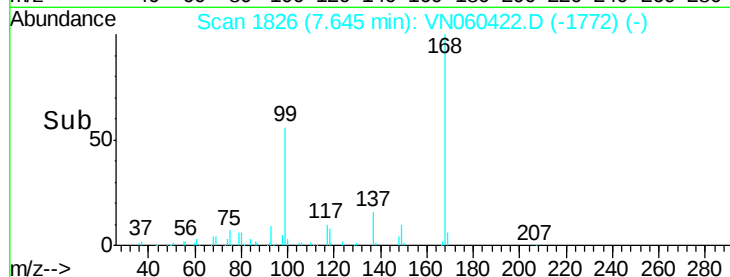
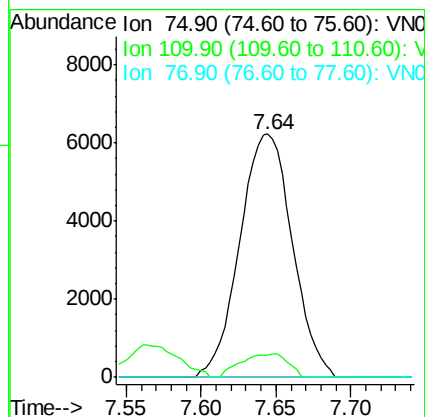
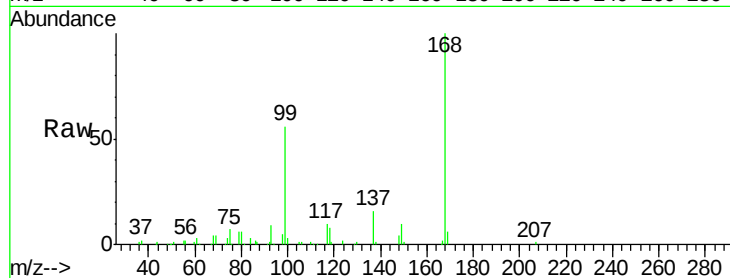
Tgt Ion: 75 Resp: 15215

Ion Ratio Lower Upper

75 100

110 8.7 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.379 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.07 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

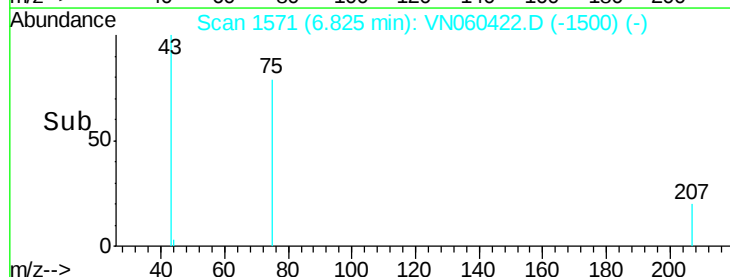
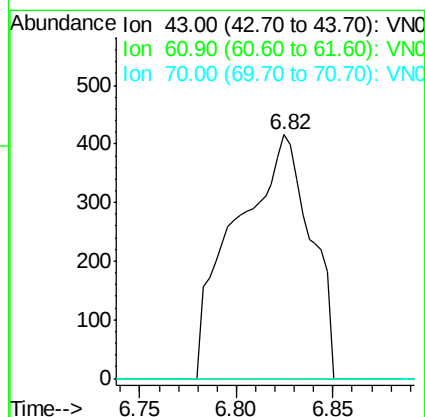
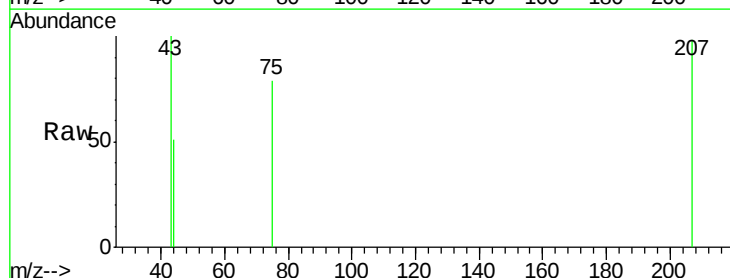
Tgt Ion: 43 Resp: 1111

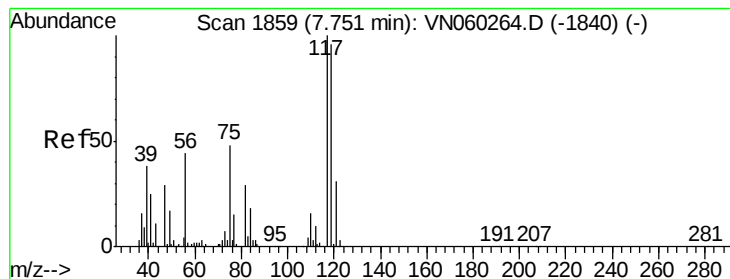
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.363 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

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ClientSampleId :

PB127392ZHE#17

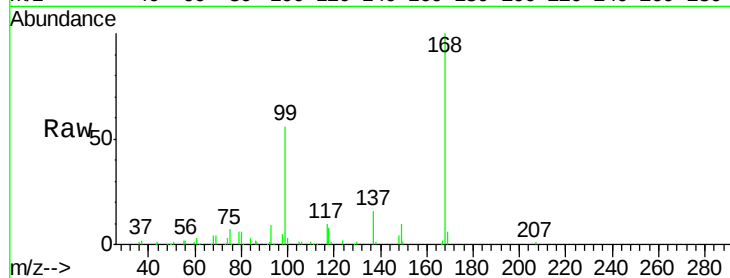
Tgt Ion:117 Resp: 19197

Ion Ratio Lower Upper

117 100

119 6.8 76.7 115.1#

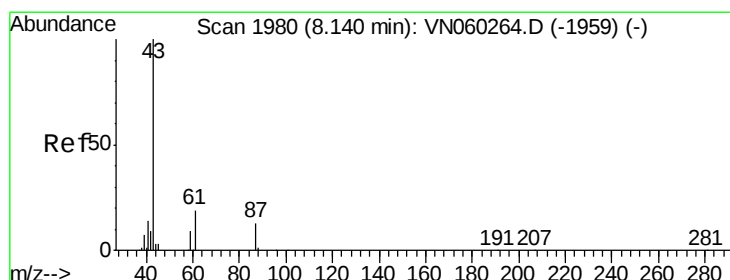
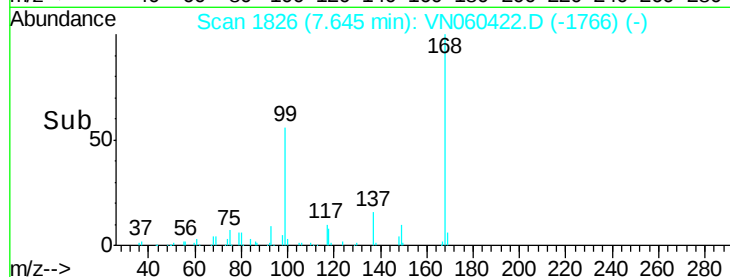
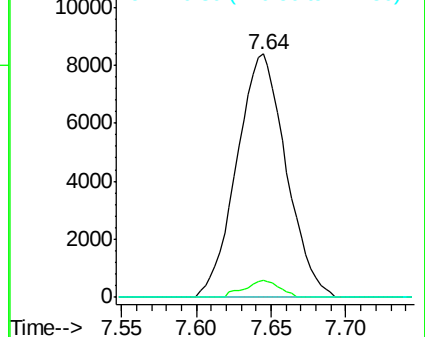
121 0.0 24.5 36.7#



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: 11.088 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

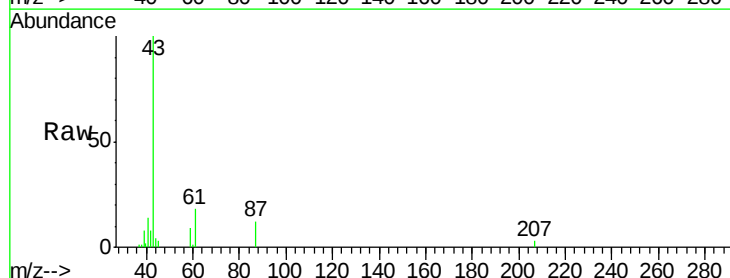
Tgt Ion: 43 Resp: 56954

Ion Ratio Lower Upper

43 100

61 18.9 20.9 31.3#

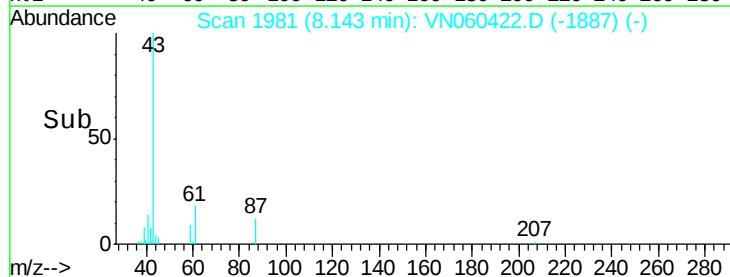
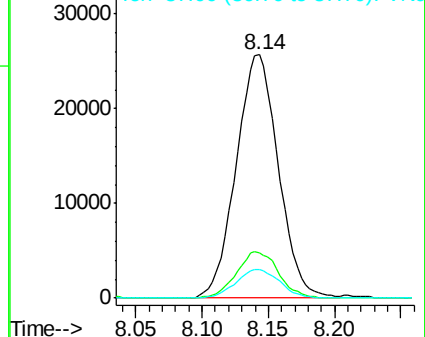
87 12.2 10.6 16.0

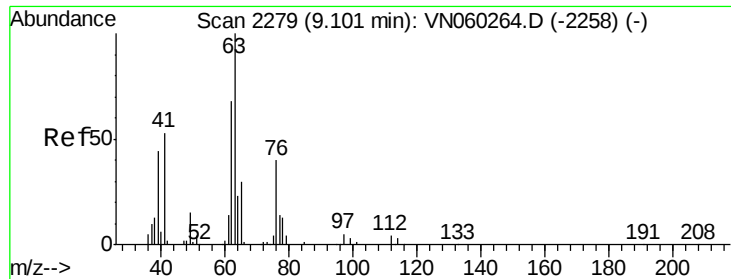


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

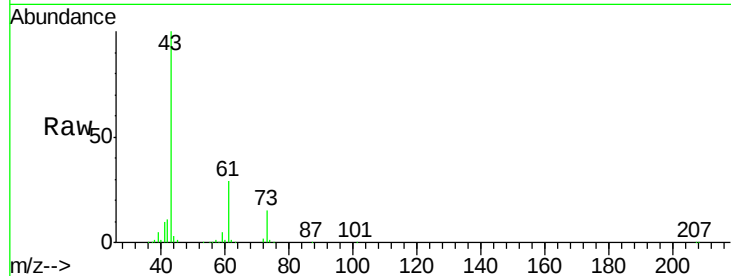
PB127392ZHE#17

Tgt Ion: 63 Resp: 1072

Ion Ratio Lower Upper

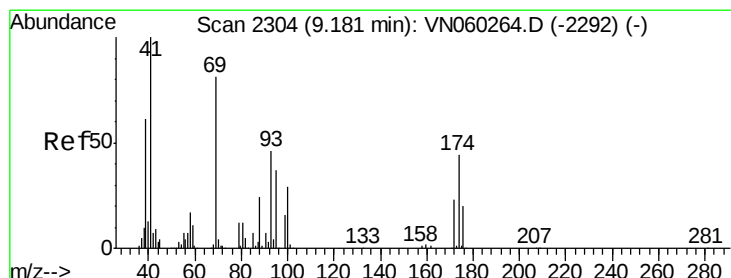
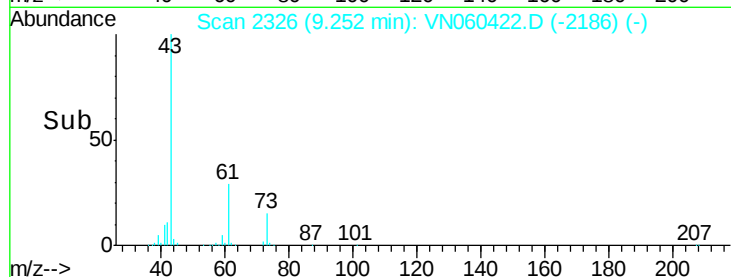
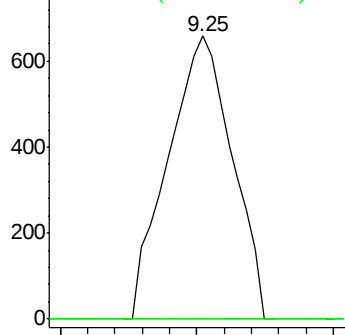
63 100

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: 1.269 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

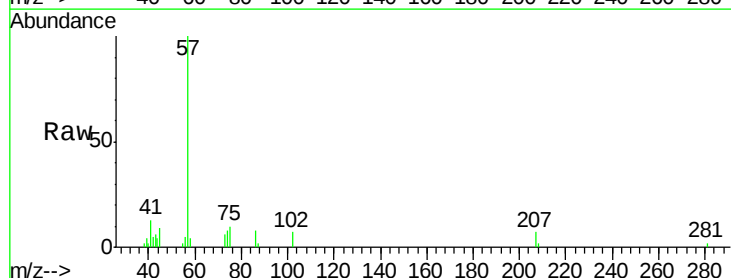
Tgt Ion: 41 Resp: 2972

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

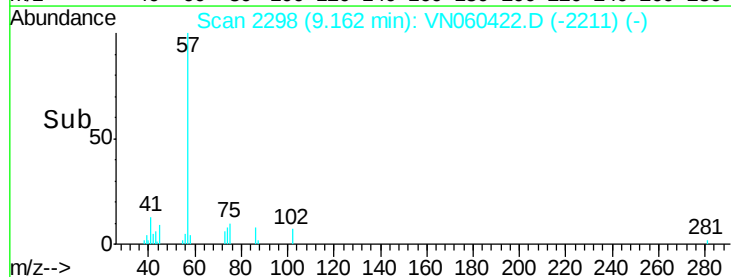
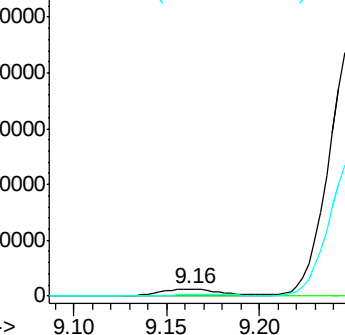
39 0.0 50.1 75.1#

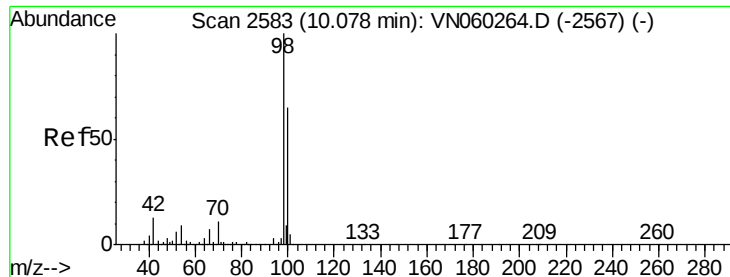


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.467 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

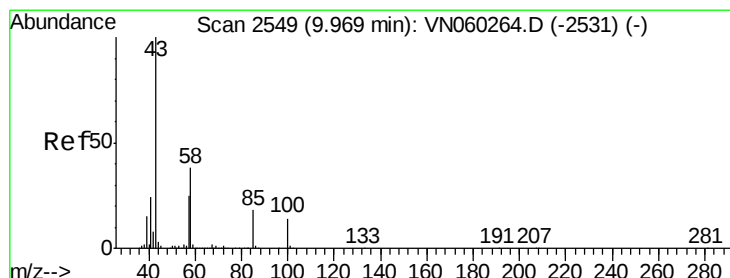
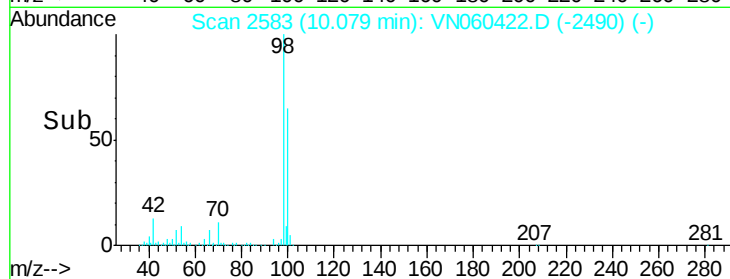
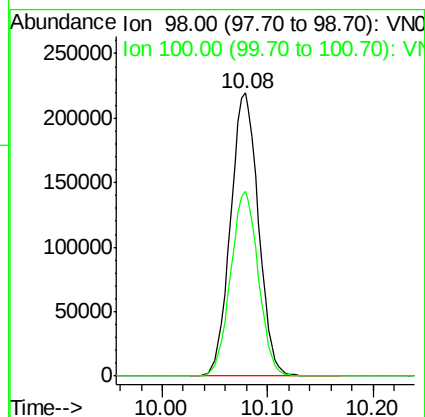
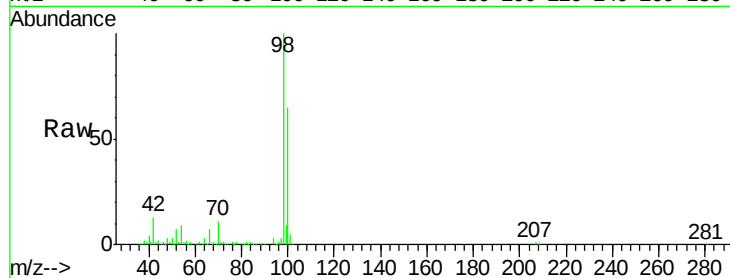
PB127392ZHE#17

Tgt Ion: 98 Resp: 400743

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.469 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060422.D

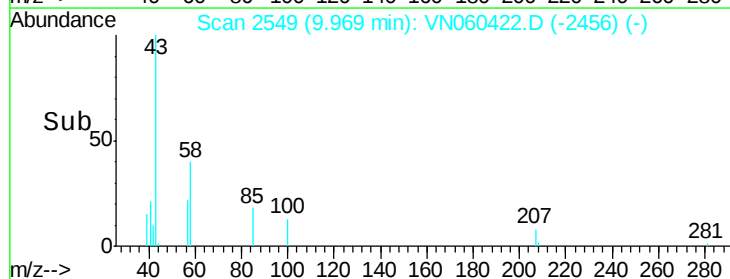
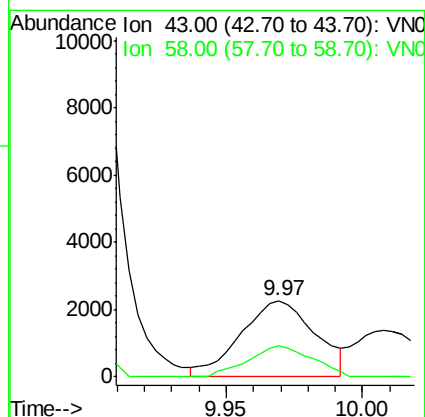
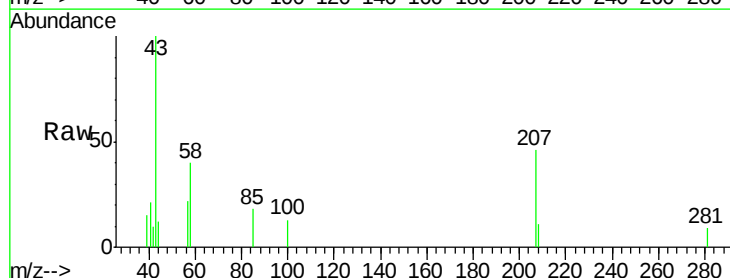
Acq: 10 Mar 2020 17:17

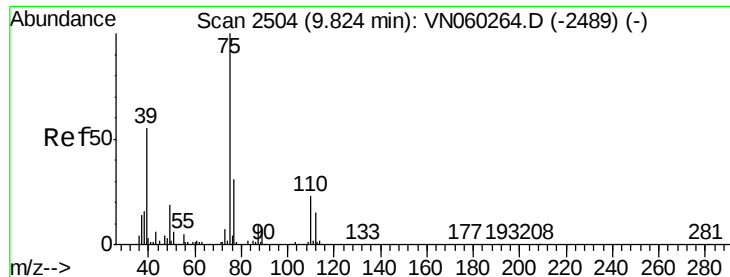
Tgt Ion: 43 Resp: 4278

Ion Ratio Lower Upper

43 100

58 35.1 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.151 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#17

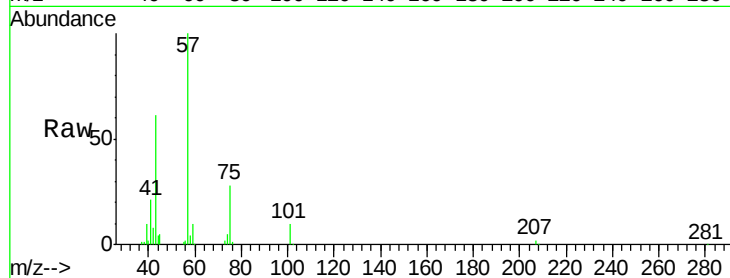
Tgt Ion: 75 Resp: 24302

Ion Ratio Lower Upper

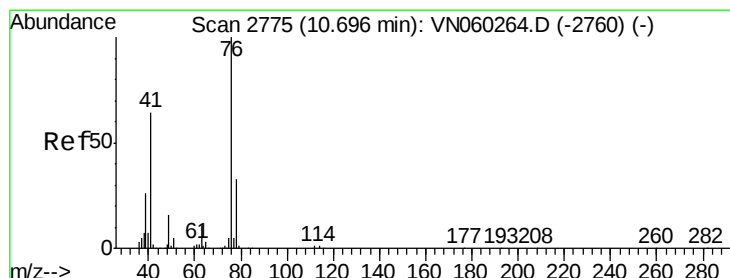
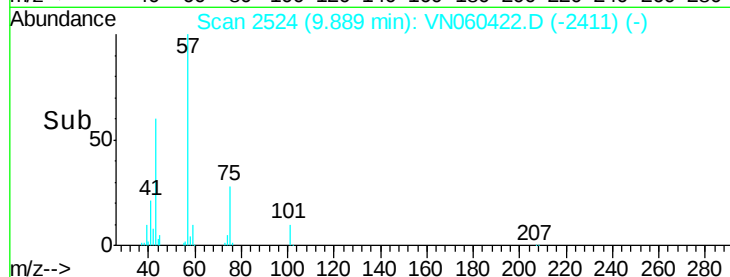
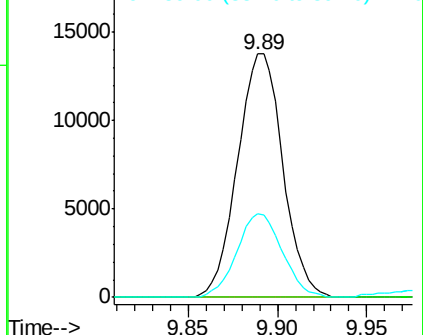
75 100

77 0.0 24.8 37.2#

39 34.4 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.090 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060422.D

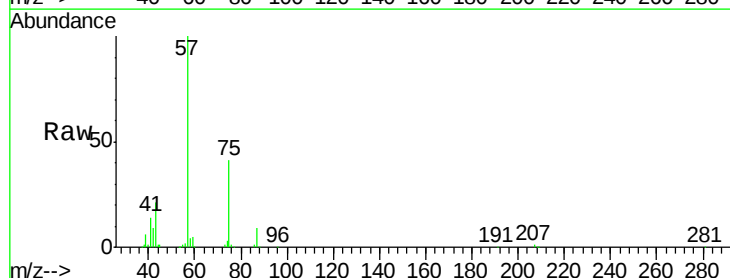
Acq: 10 Mar 2020 17:17

Tgt Ion: 76 Resp: 4049

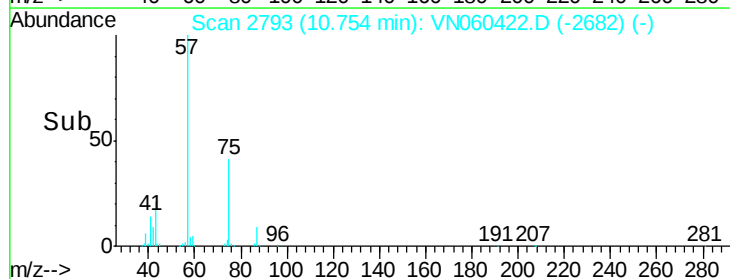
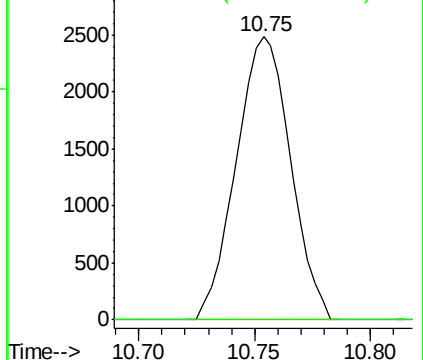
Ion Ratio Lower Upper

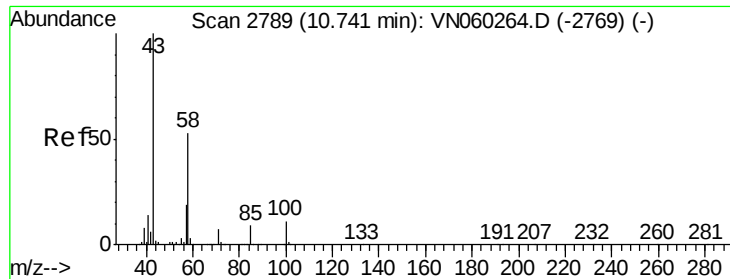
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

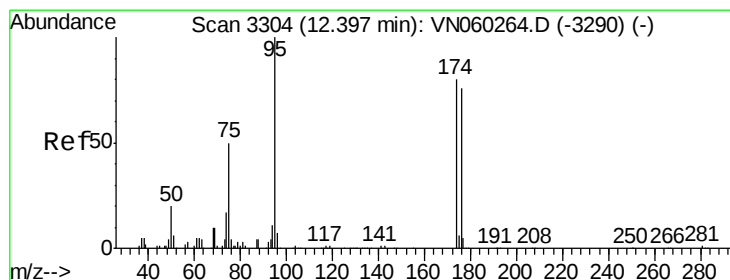
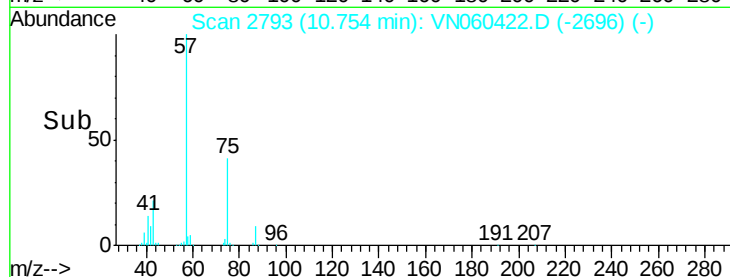
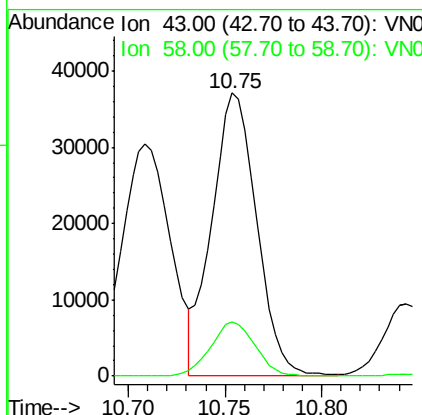
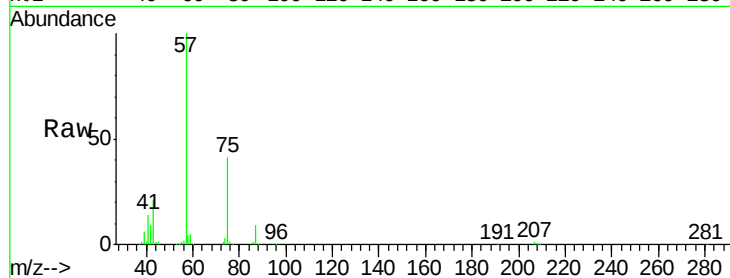




#59
2-Hexanone
Concen: 27.860 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

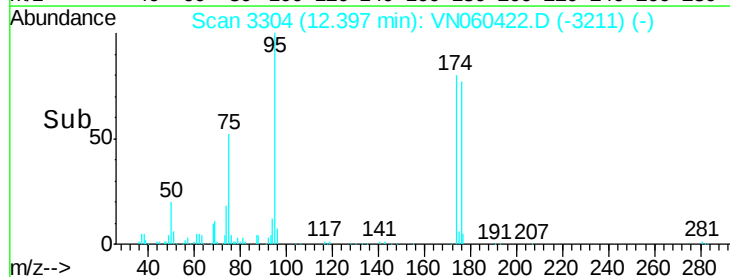
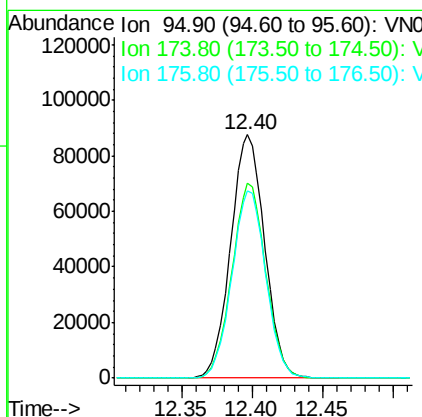
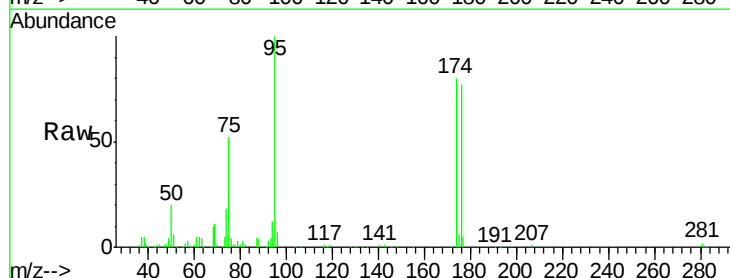
Instrument :
MSVOA_N
ClientSampleId :
PB127392ZHE#17

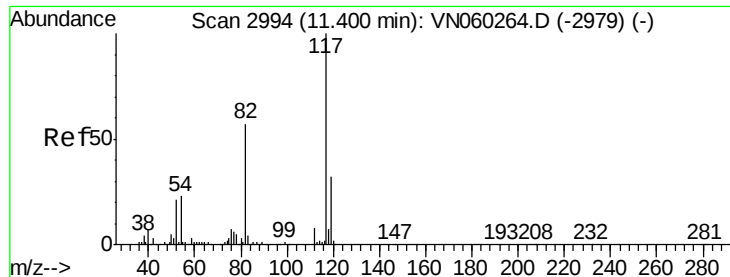
Tgt Ion: 43 Resp: 59573
Ion Ratio Lower Upper
43 100
58 19.1 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.055 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060422.D
Acq: 10 Mar 2020 17:17

Tgt Ion: 95 Resp: 147823
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 76.6 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: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#17

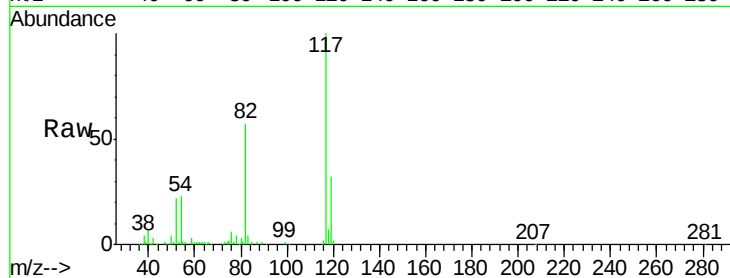
Tgt Ion:117 Resp: 303697

Ion Ratio Lower Upper

117 100

82 57.3 45.8 68.6

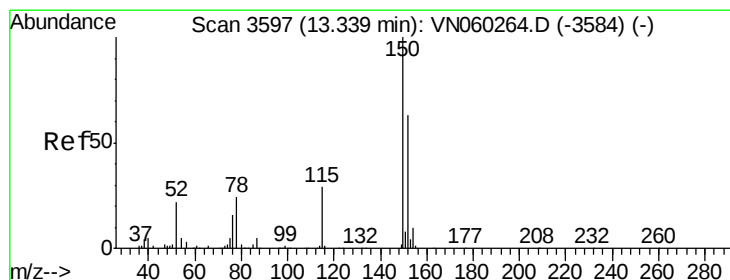
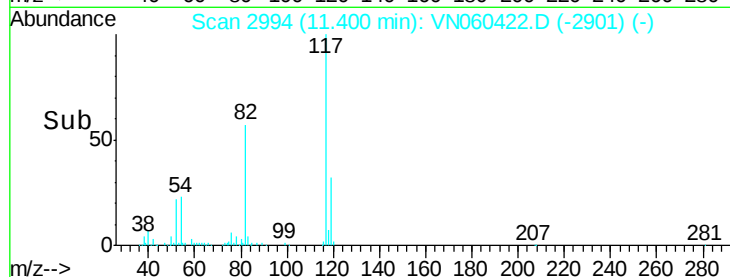
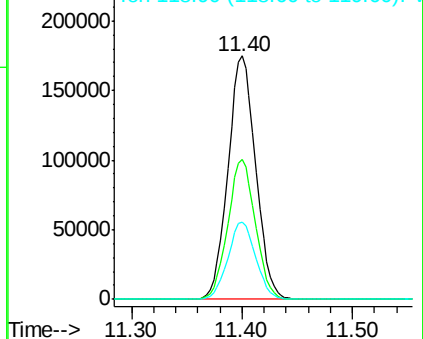
119 31.8 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

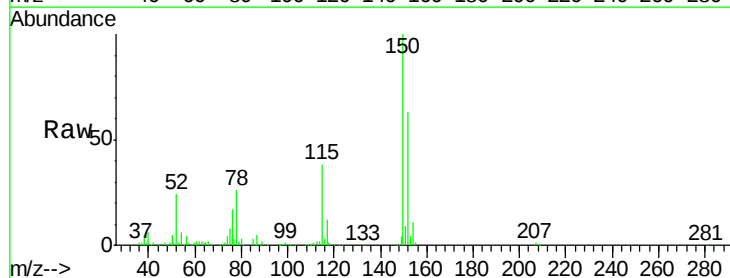
Tgt Ion:152 Resp: 140461

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

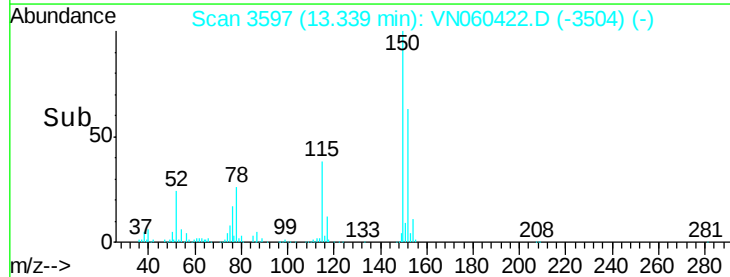
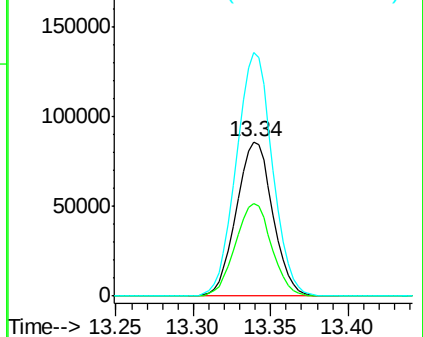
150 157.0 0.0 349.6

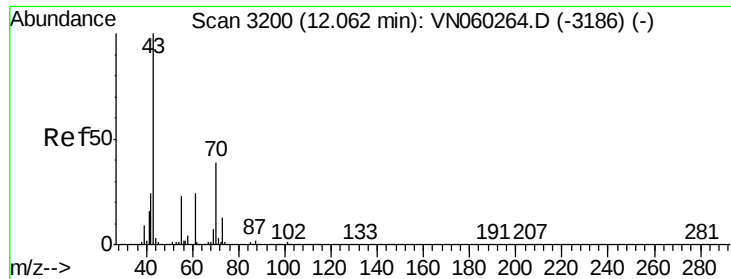


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.700 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#17

Tgt Ion: 43 Resp: 3184

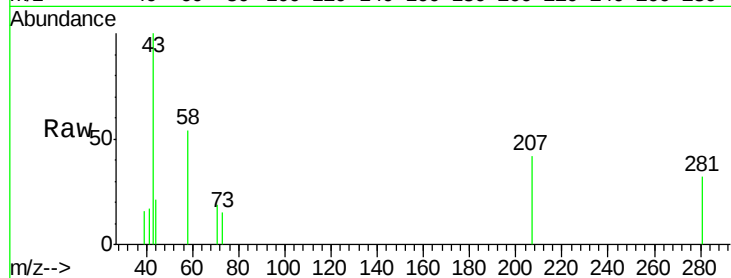
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

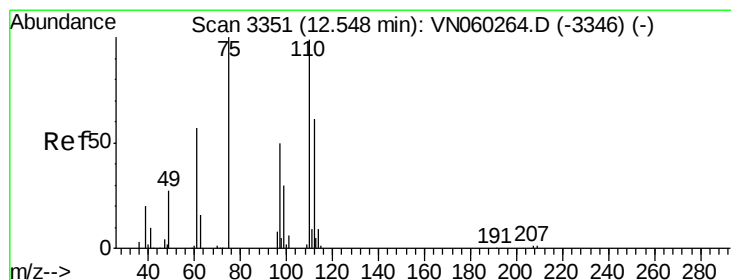
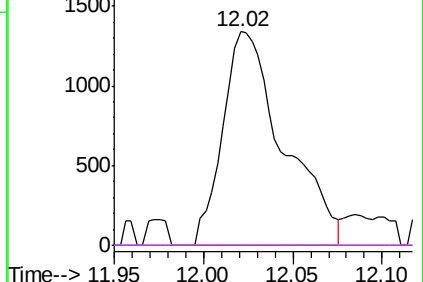
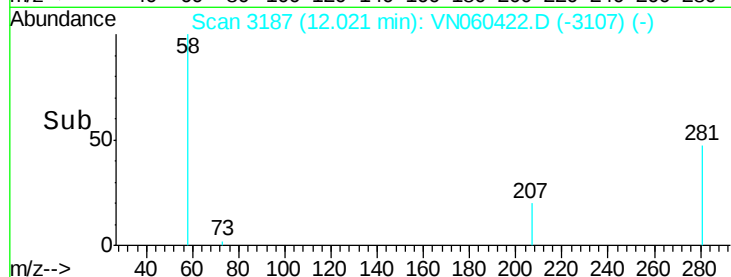


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 24.463 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060422.D

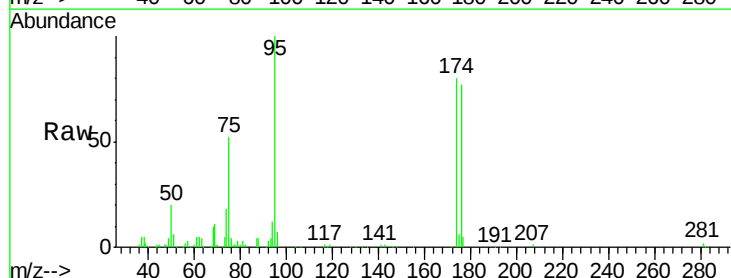
Acq: 10 Mar 2020 17:17

Tgt Ion: 75 Resp: 75388

Ion Ratio Lower Upper

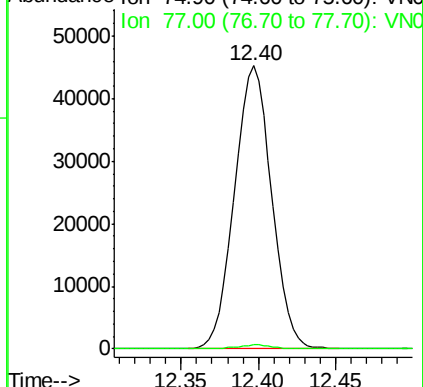
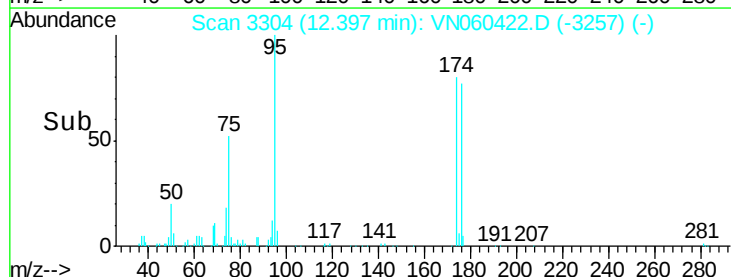
75 100

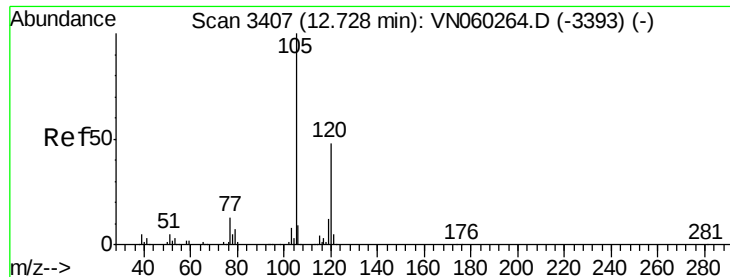
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

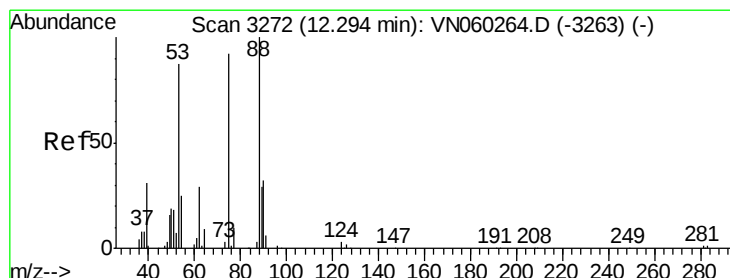
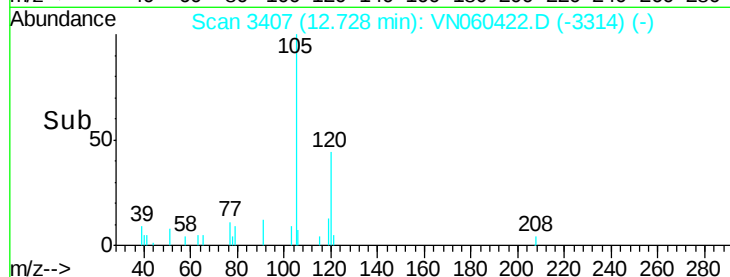
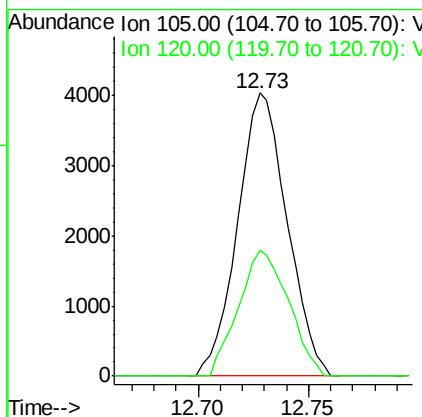
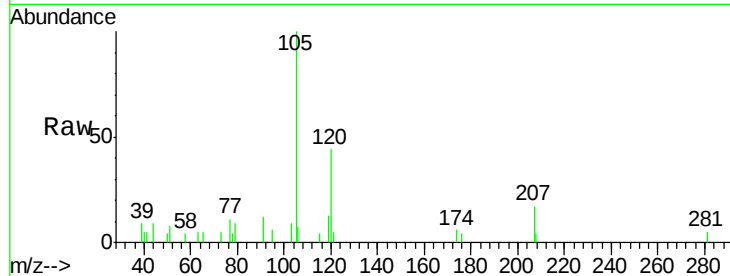




#80
 1,3,5-Trimethylbenzene
 Concen: 0.716 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060422.D
 Acq: 10 Mar 2020 17:17

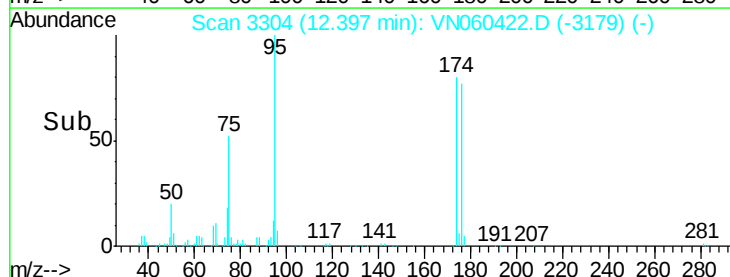
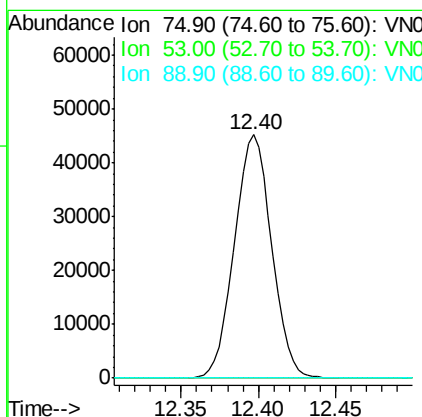
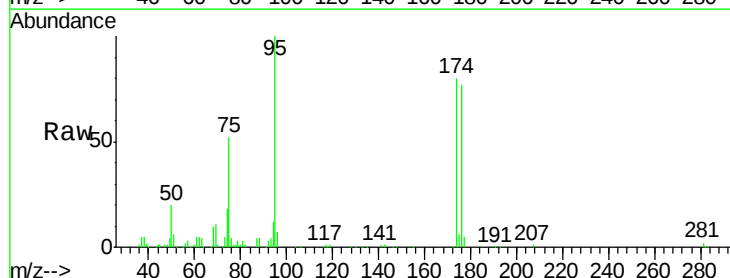
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127392ZHE#17

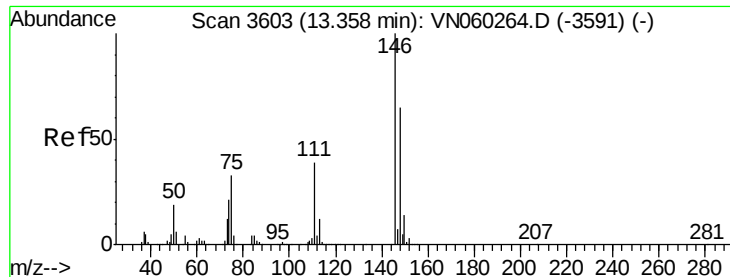
Tgt Ion: 105 Resp: 6279
 Ion Ratio Lower Upper
 105 100
 120 44.8 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.529 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060422.D
 Acq: 10 Mar 2020 17:17

Tgt Ion: 75 Resp: 75388
 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: VN060422.D

Acq: 10 Mar 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

PB127392ZHE#17

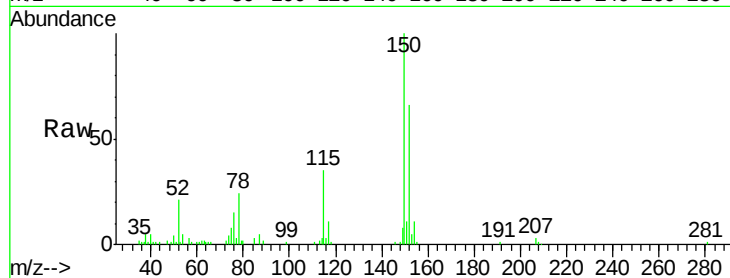
Tgt Ion:146 Resp: 29

Ion Ratio Lower Upper

146 100

111 6417.2 19.8 59.4#

148 1448.3 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

