

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060210.D
 Acq On : 24 Feb 2020 15:17
 Operator : JC/MD
 Sample : PB127001ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#03

Quant Time: Feb 24 16:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	285907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	105844	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.57	113	86305	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.08	98	351367	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	127513	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

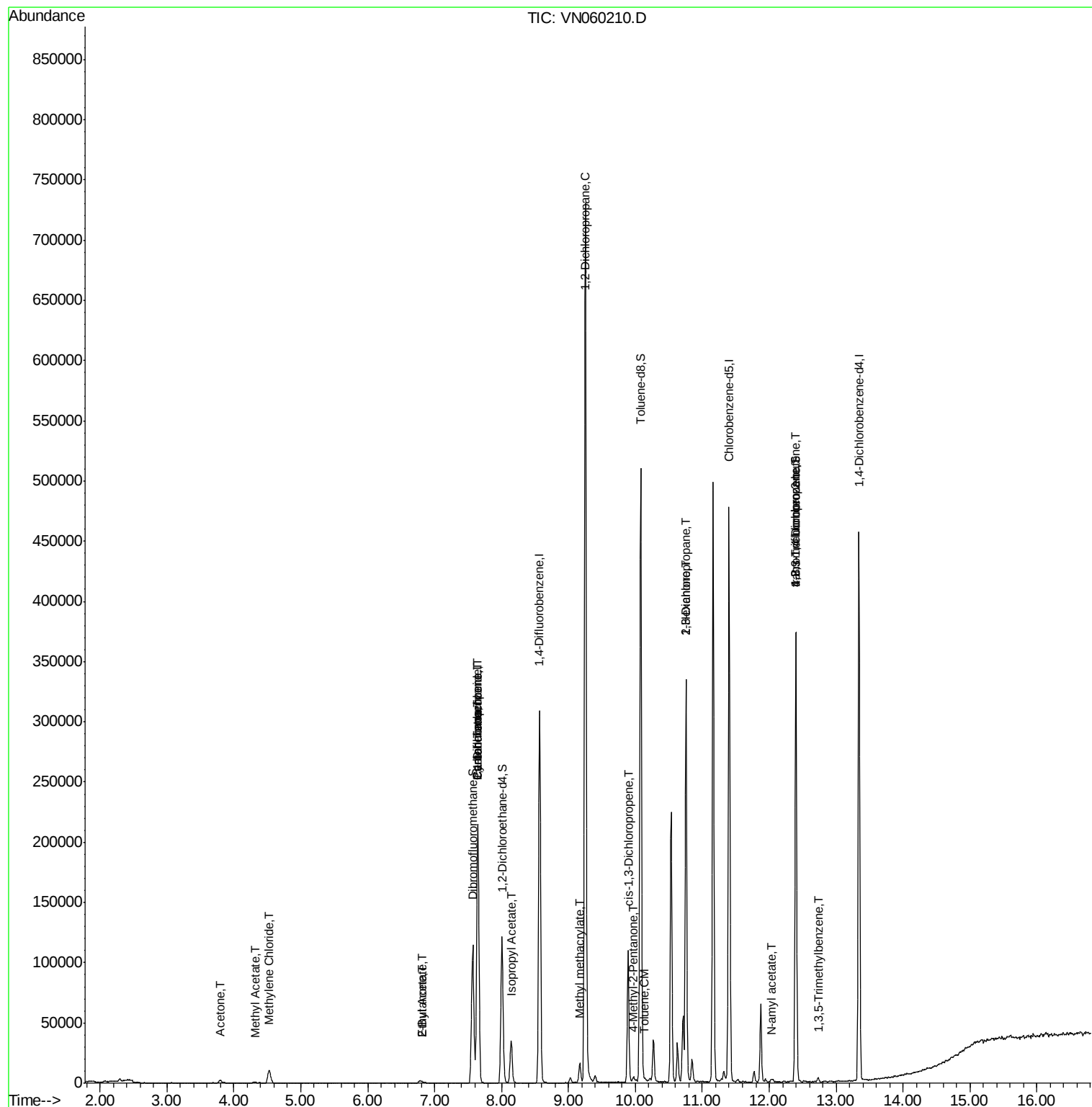
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4333	4.49	ug/l	99
18) Methyl Acetate	4.31	43	1113	0.61	ug/l #	50
20) Methylene Chloride	4.53	84	8677	4.50	ug/l	94
25) 2-Butanone	6.82	43	698	0.57	ug/l #	46
31) Cyclohexane	7.64	56	3624	1.16	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	13117	4.95	ug/l #	49
37) Ethyl Acetate	6.82	43	698	0.29	ug/l #	68
38) Carbon Tetrachloride	7.65	117	17089	5.94	ug/l #	15
43) Isopropyl Acetate	8.14	43	42580	10.41	ug/l #	88
45) 1,2-Dichloropropane	9.25	63	864	0.44	ug/l #	43
48) Methyl methacrylate	9.17	41	2258	1.23	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2430	1.03	ug/l	92
52) Toluene	10.14	92	1119	0.22	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	19951	6.01	ug/l #	63
57) 1,3-Dichloropropane	10.75	76	3132	0.97	ug/l #	43
59) 2-Hexanone	10.76	43	48591	26.56	ug/l #	51
74) N-amyl acetate	12.03	43	2254	0.68	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	65398	27.66	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2458	0.32	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	65398	67.72	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	103	Below Cal	#	1

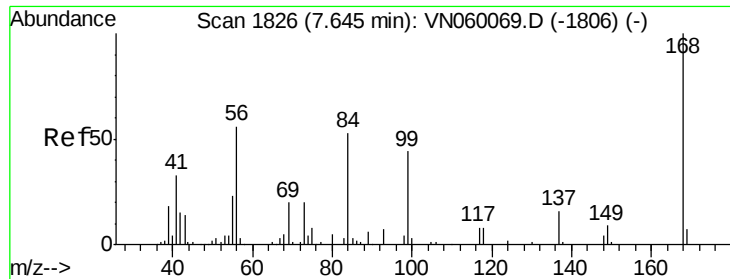
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
Data File : VN060210.D
Acq On : 24 Feb 2020 15:17
Operator : JC/MD
Sample : PB127001ZHE#03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#03

Quant Time: Feb 24 16:54:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

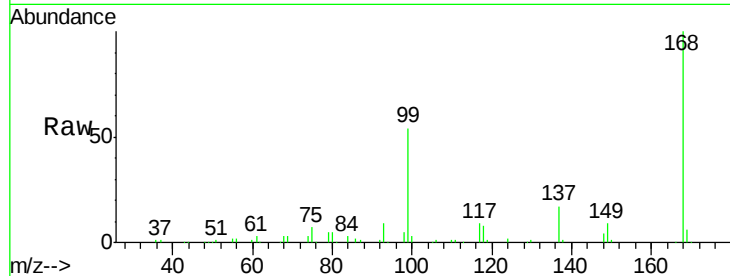
PB127001ZHE#03

Tgt Ion:168 Resp: 181927

Ion Ratio Lower Upper

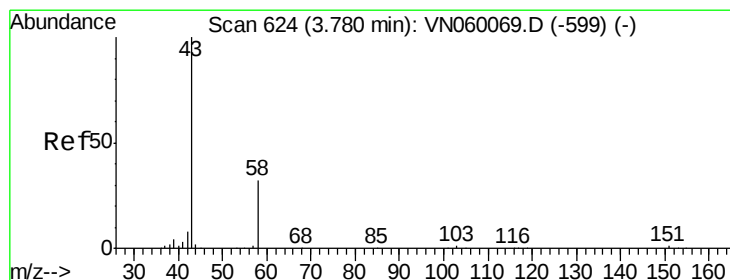
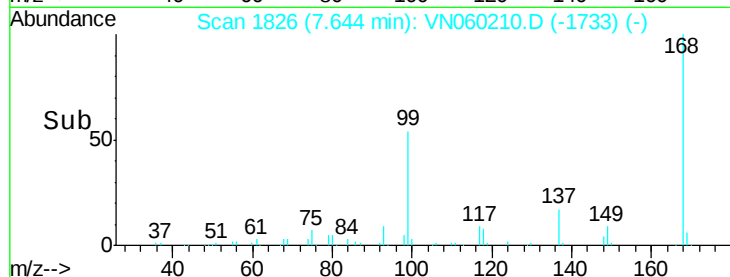
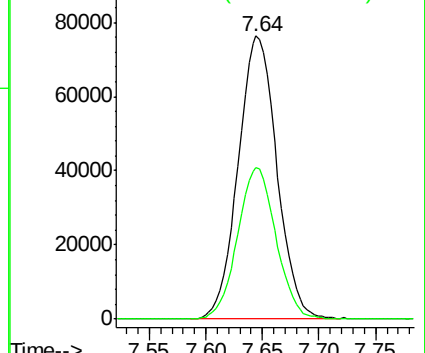
168 100

99 53.6 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 4.49 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060210.D

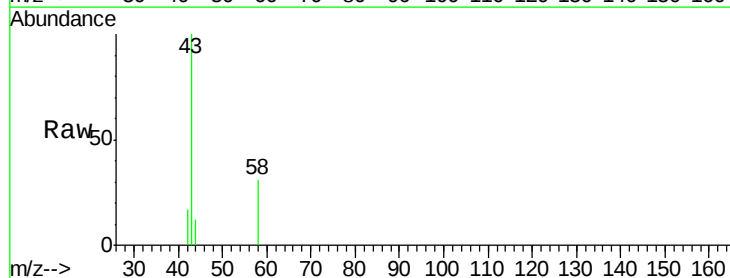
Acq: 24 Feb 2020 15:17

Tgt Ion: 43 Resp: 4333

Ion Ratio Lower Upper

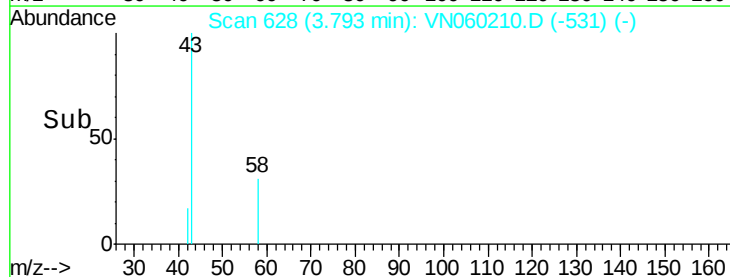
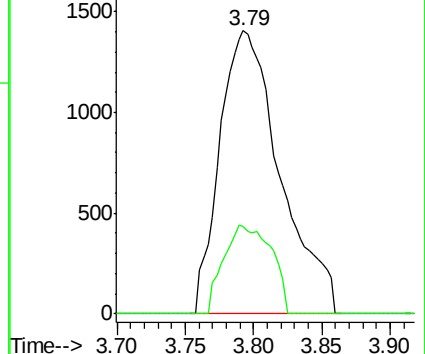
43 100

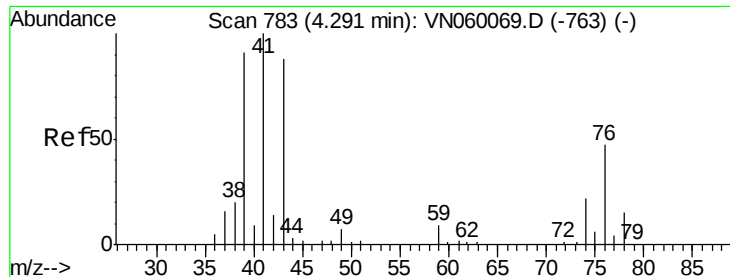
58 30.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.61 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.02 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

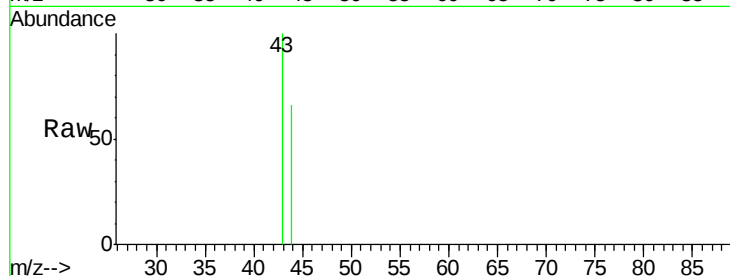
PB127001ZHE#03

Tgt Ion: 43 Resp: 1113

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

400

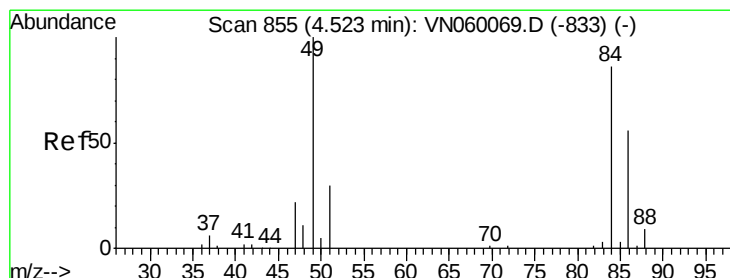
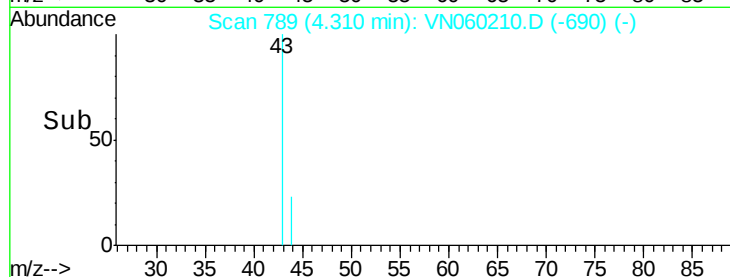
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 4.50 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Tgt Ion: 84 Resp: 8677

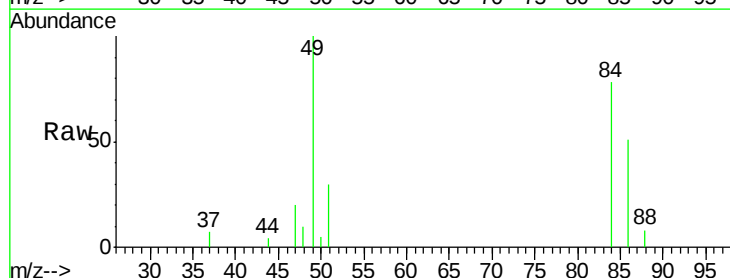
Ion Ratio Lower Upper

84 100

49 127.7 93.4 140.0

51 38.2 28.4 42.6

86 65.4 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

5000

4000

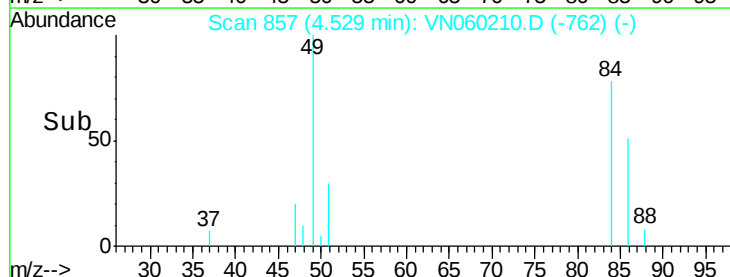
3000

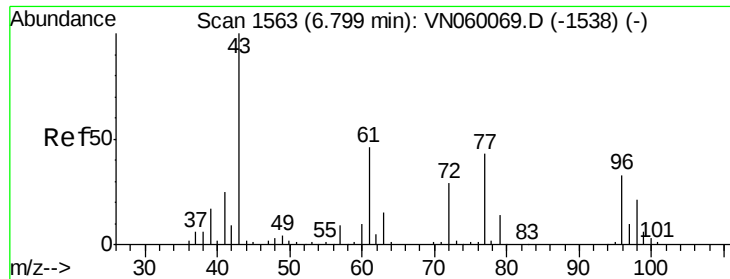
2000

1000

0

Time-->

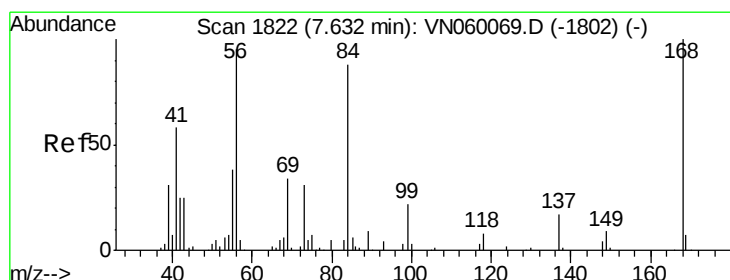
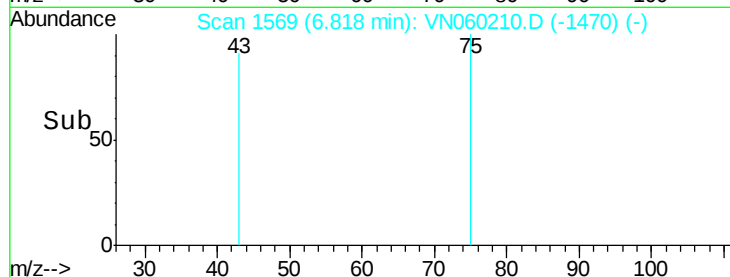
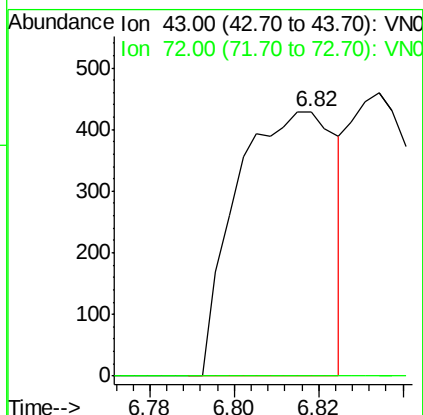
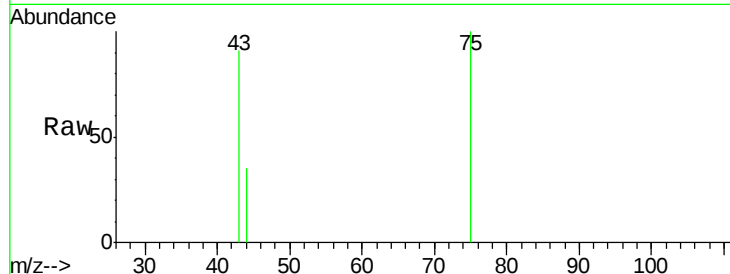




#25
2-Butanone
Concen: 0.57 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

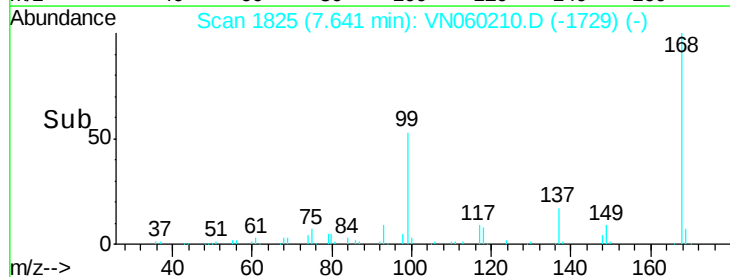
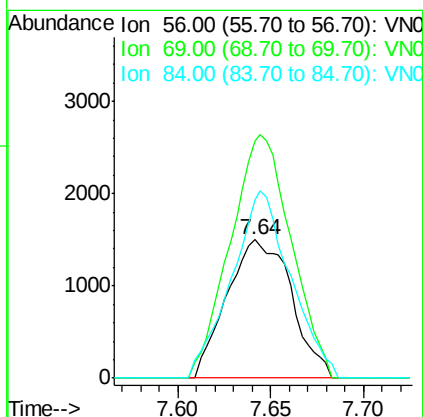
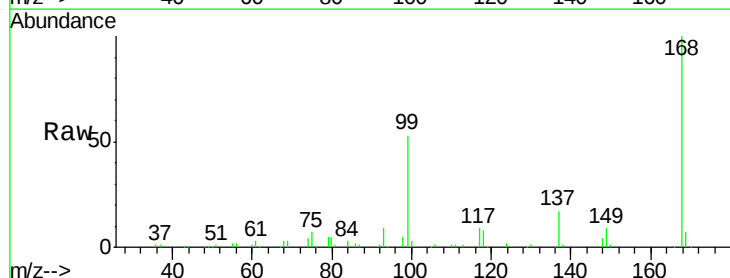
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#03

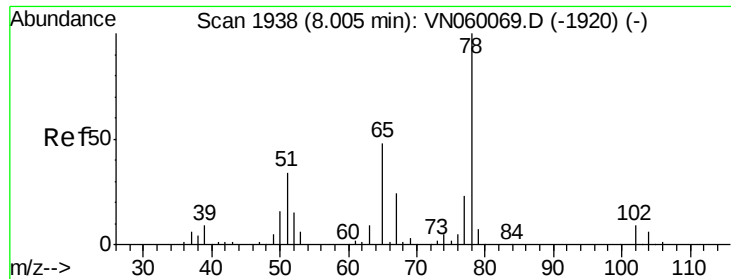
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Tgt Ion: 56 Resp: 3624
Ion Ratio Lower Upper
56 100
69 171.9 28.3 42.5#
84 128.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 47.81 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

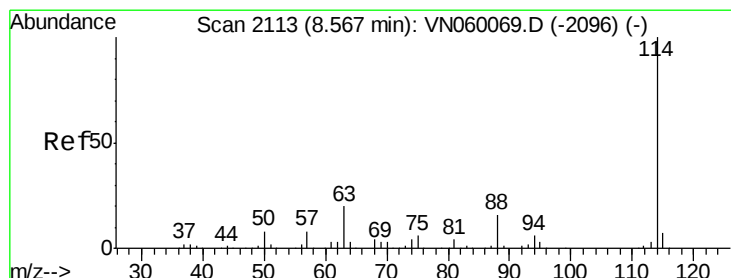
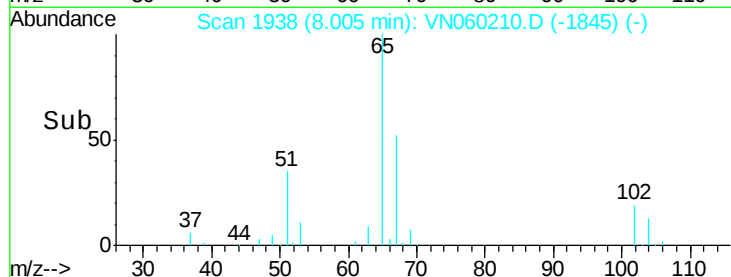
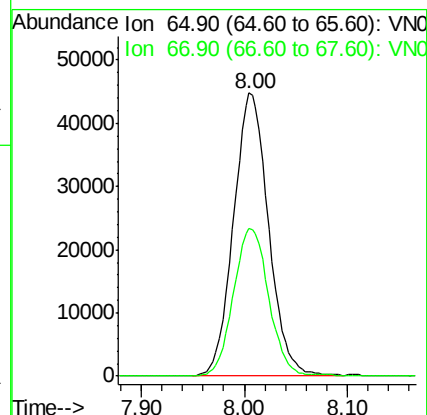
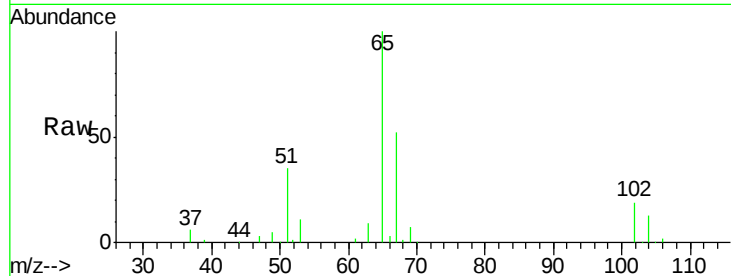
PB127001ZHE#03

Tgt Ion: 65 Resp: 105844

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

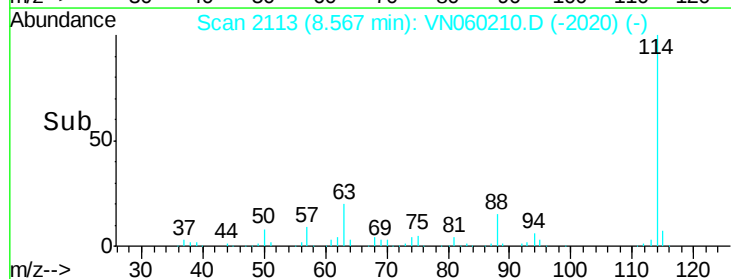
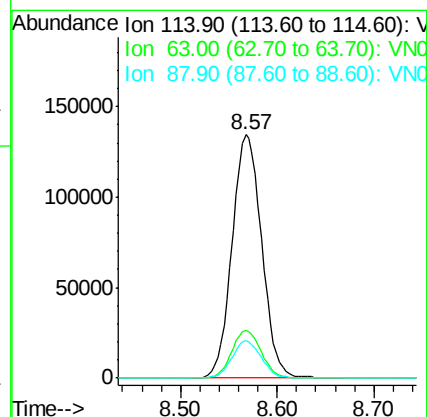
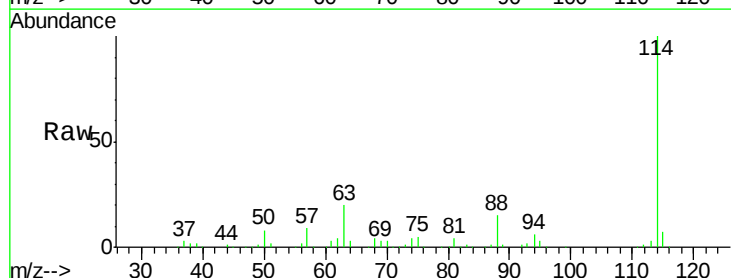
Tgt Ion: 114 Resp: 285907

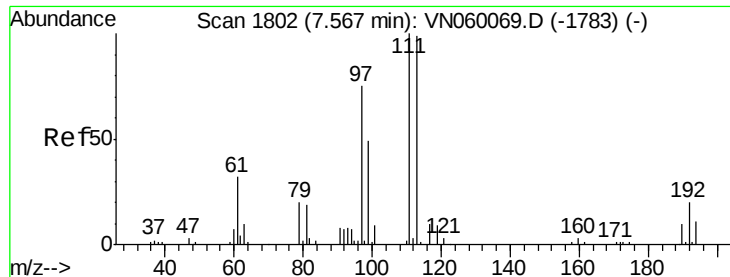
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.4 0.0 31.6

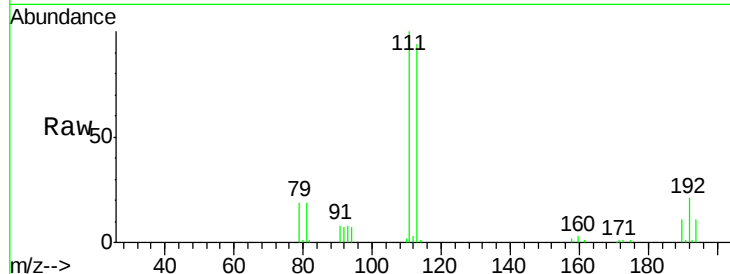




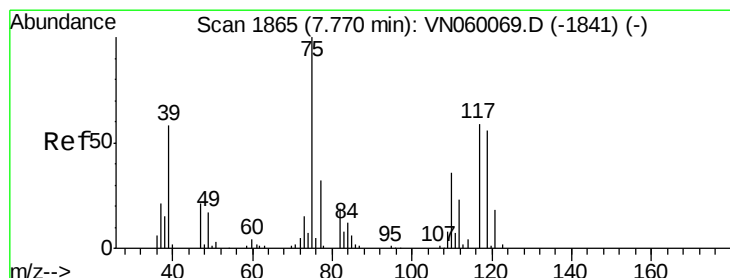
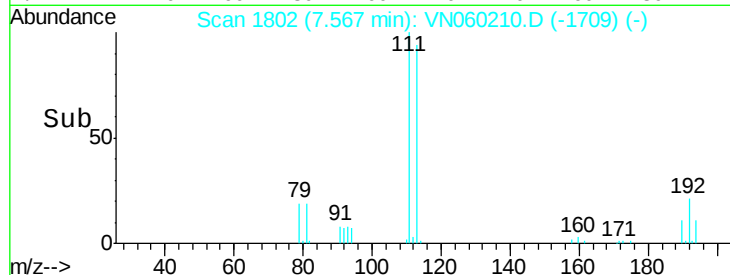
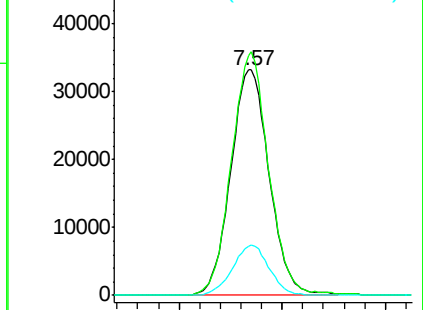
#35
 Dibromofluoromethane
 Concen: 49.11 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#03

Tgt Ion: 113 Resp: 86305
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.2 16.2 24.2

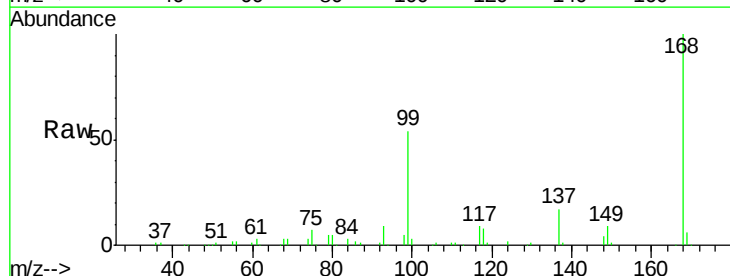


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

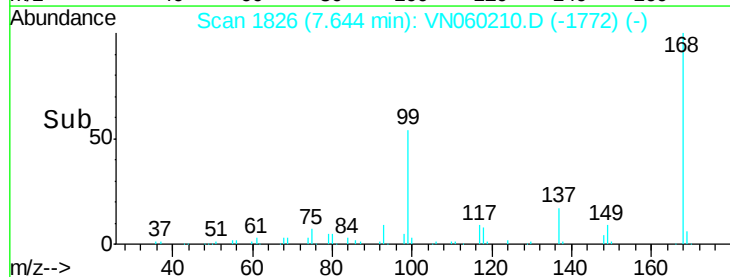
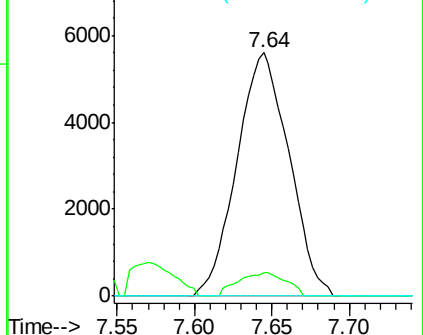


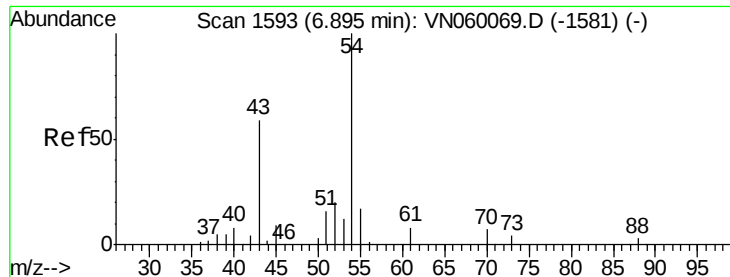
#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

Tgt Ion: 75 Resp: 13117
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

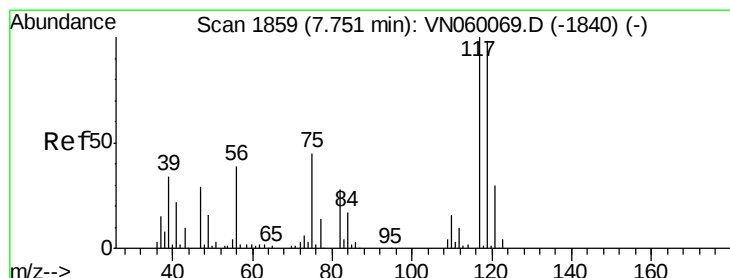
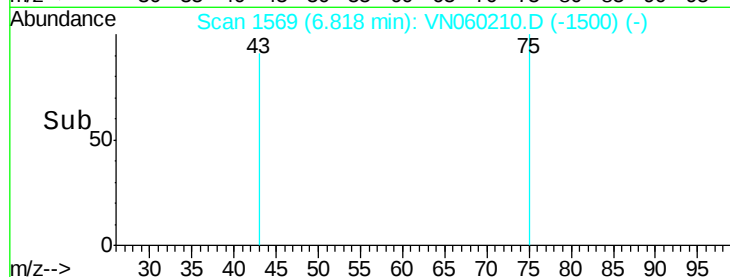
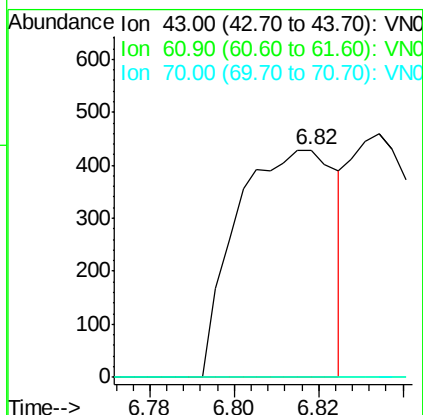
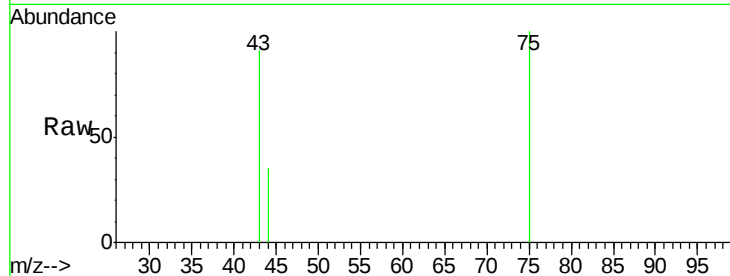




#37
 Ethyl Acetate
 Concen: 0.29 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

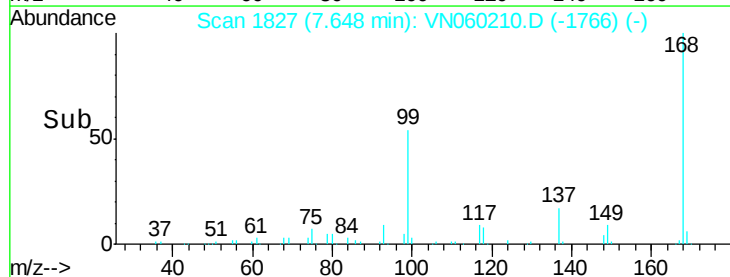
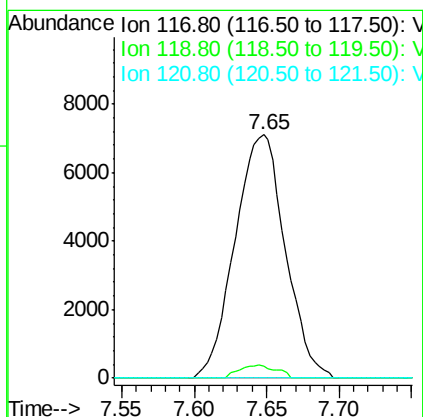
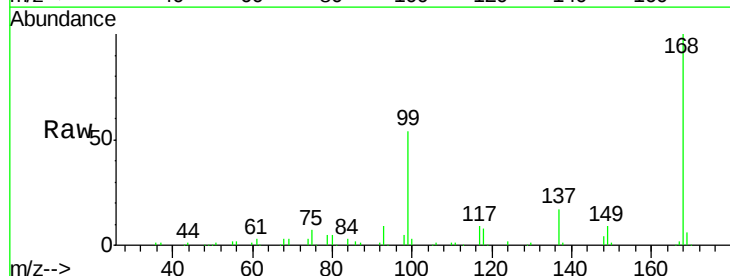
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#03

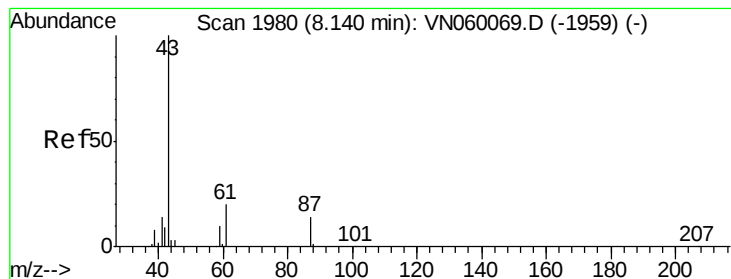
Tgt Ion: 43 Resp: 698
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 8.7 13.1#



#38
 Carbon Tetrachloride
 Concen: 5.94 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.10 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

Tgt Ion: 117 Resp: 17089
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.2 117.4#
 121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 10.41 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#03

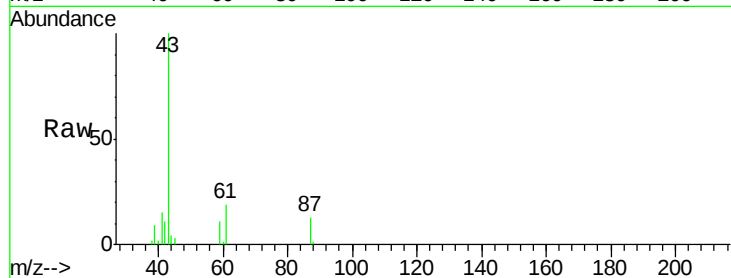
Tgt Ion: 43 Resp: 42580

Ion Ratio Lower Upper

43 100

61 18.6 21.8 32.6#

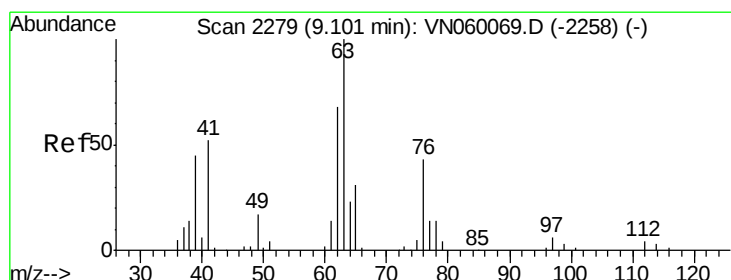
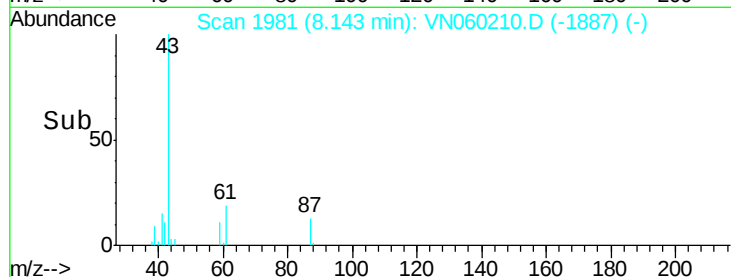
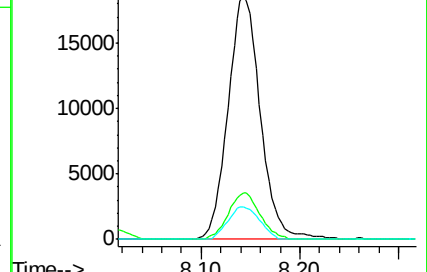
87 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.44 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060210.D

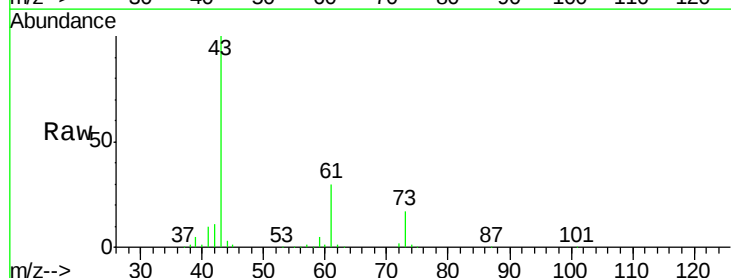
Acq: 24 Feb 2020 15:17

Tgt Ion: 63 Resp: 864

Ion Ratio Lower Upper

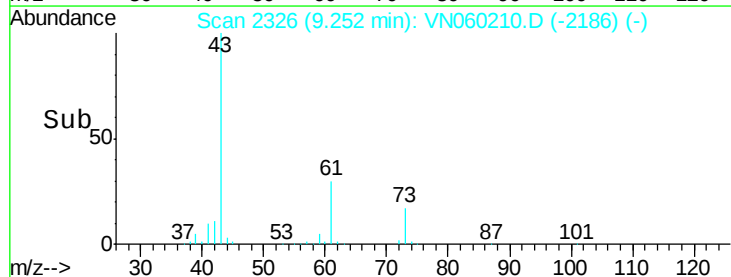
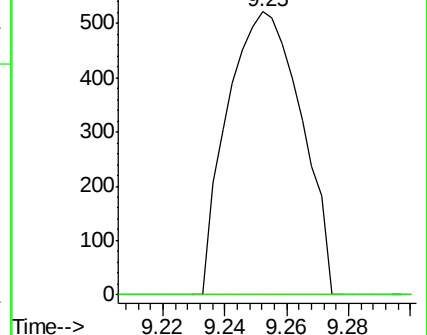
63 100

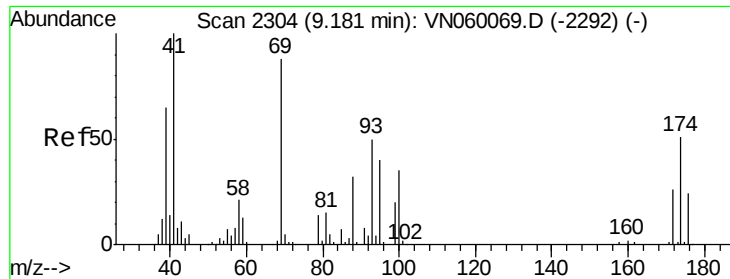
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)

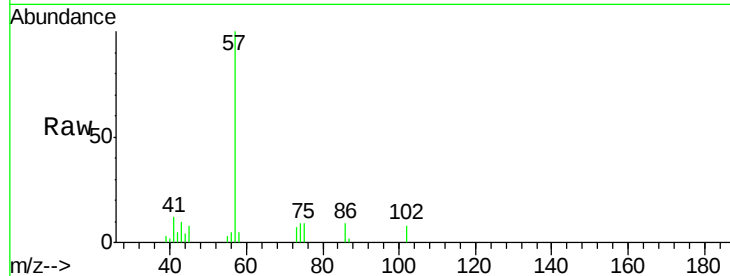




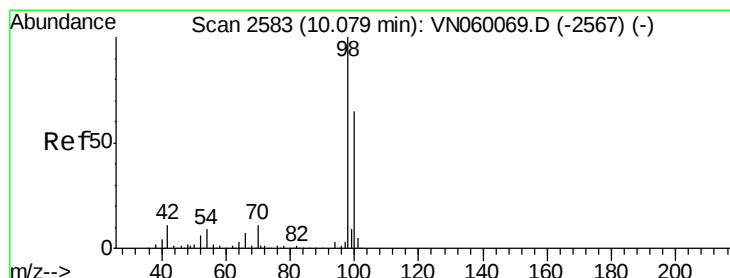
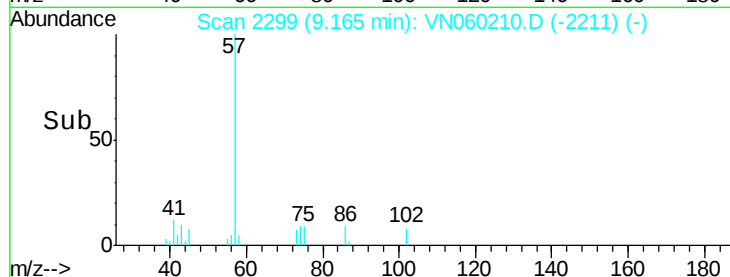
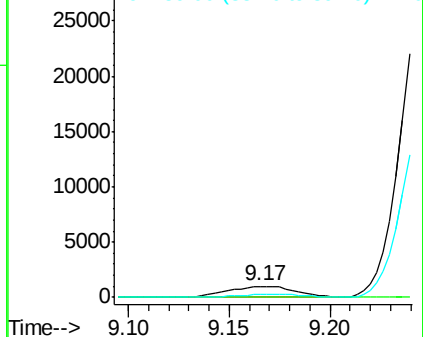
#48
Methyl methacrylate
Concen: 1.23 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#03

Tgt Ion: 41 Resp: 2258
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

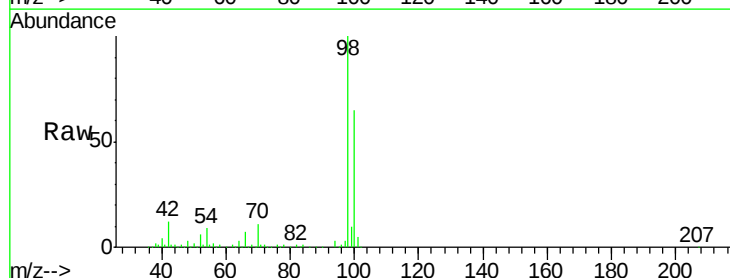


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

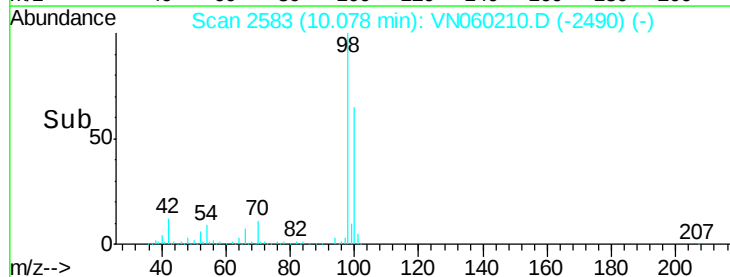
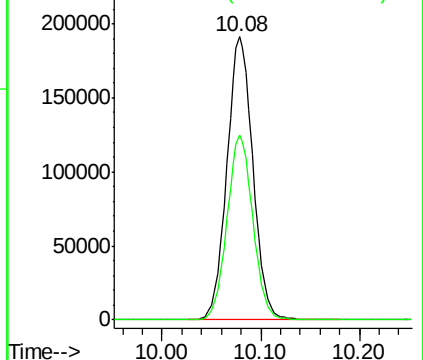


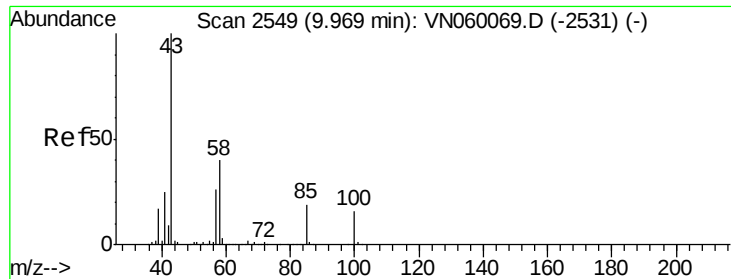
#50
Toluene-d8
Concen: 50.77 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Tgt Ion: 98 Resp: 351367
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

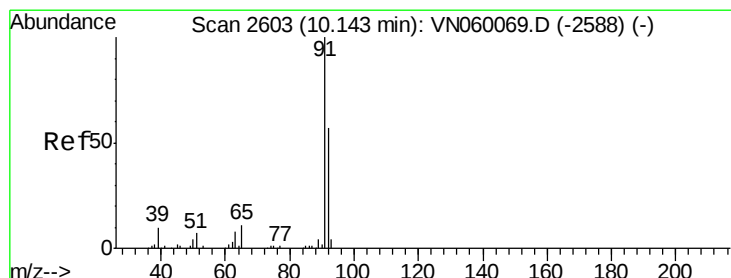
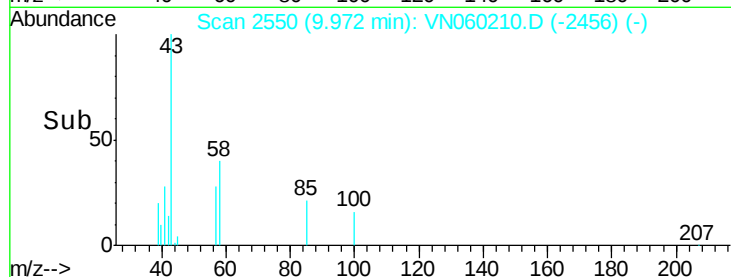
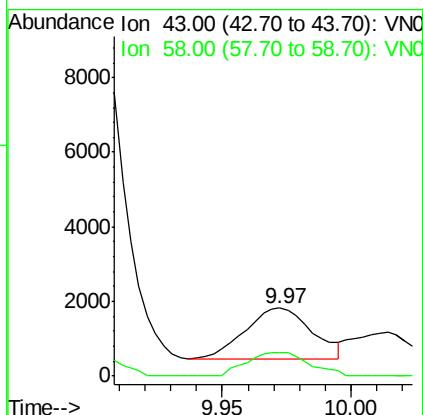
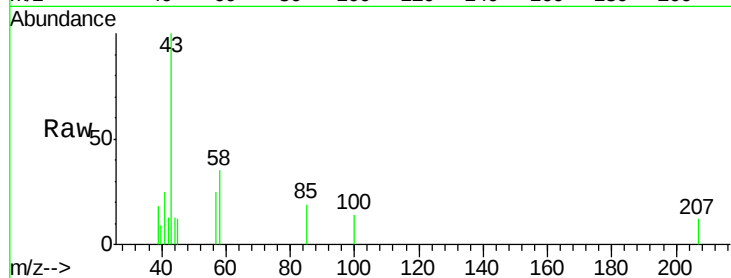




#51
 4-Methyl-2-Pentanone
 Concen: 1.03 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

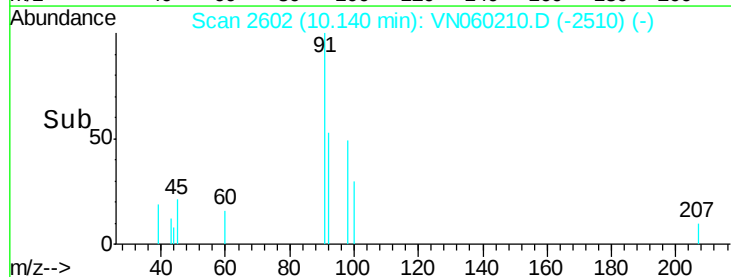
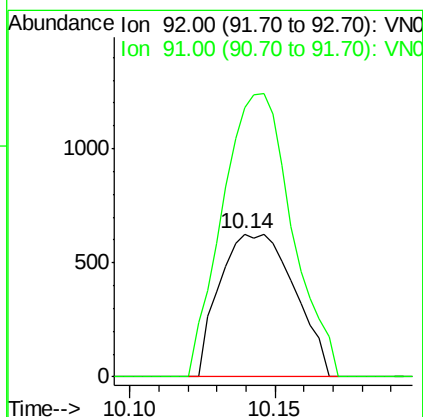
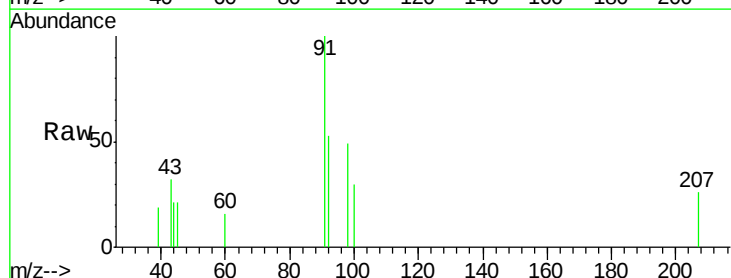
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#03

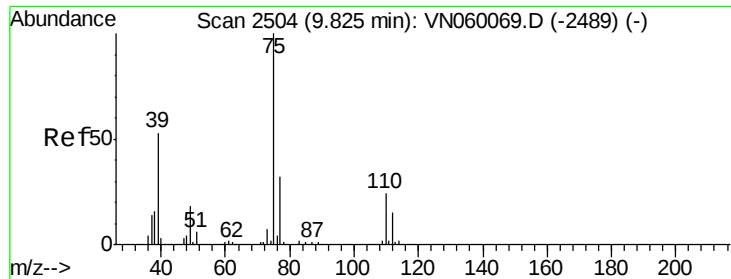
Tgt Ion: 43 Resp: 2430
 Ion Ratio Lower Upper
 43 100
 58 44.5 31.8 47.8



#52
 Toluene
 Concen: 0.22 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060210.D
 Acq: 24 Feb 2020 15:17

Tgt Ion: 92 Resp: 1119
 Ion Ratio Lower Upper
 92 100
 91 184.5 140.9 211.3





#54

cis-1,3-Dichloropropene

Concen: 6.01 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#03

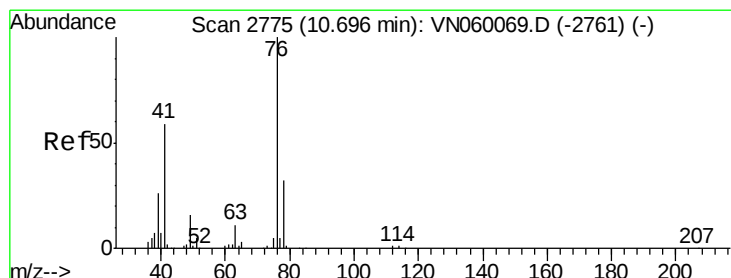
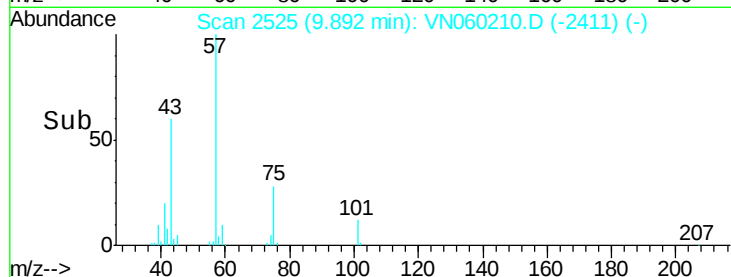
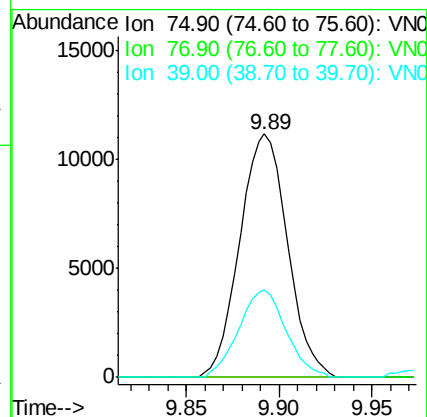
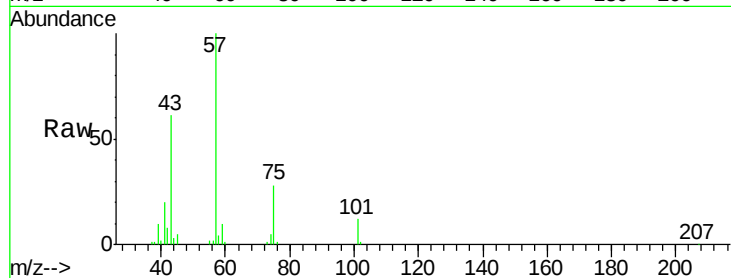
Tgt Ion: 75 Resp: 19951

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

39 35.8 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 0.97 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060210.D

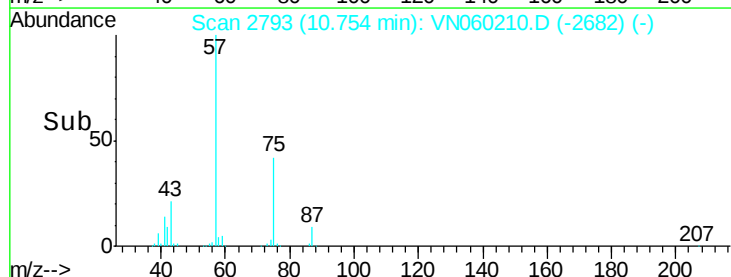
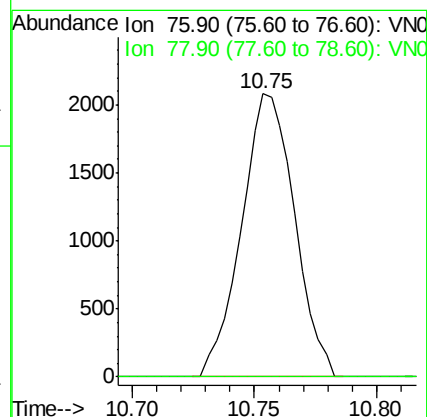
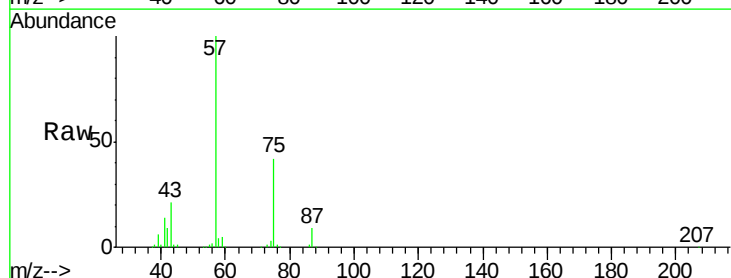
Acq: 24 Feb 2020 15:17

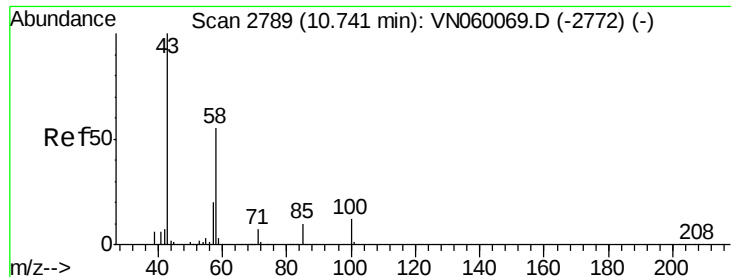
Tgt Ion: 76 Resp: 3132

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#

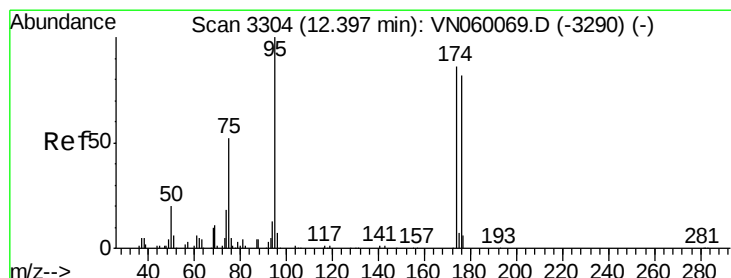
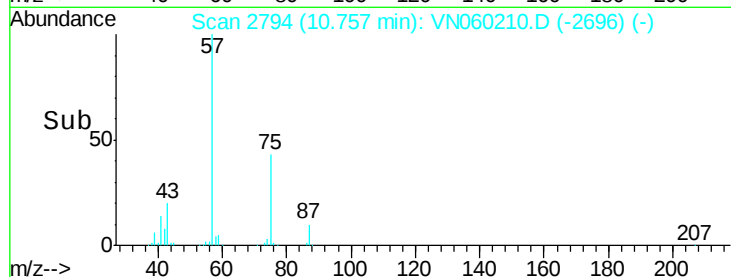
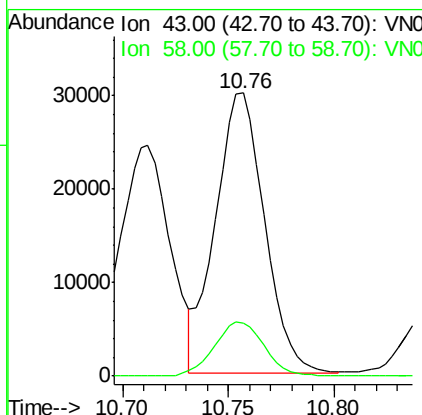
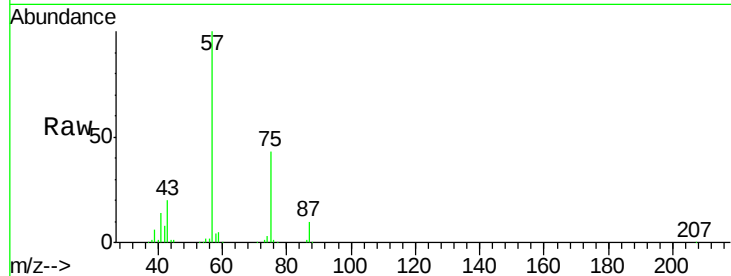




#59
2-Hexanone
Concen: 26.56 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

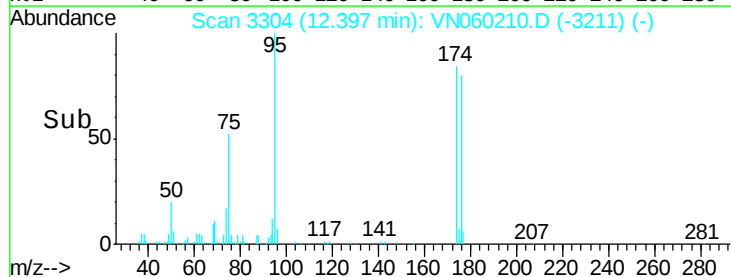
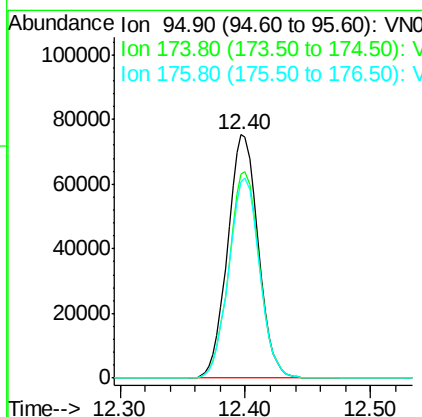
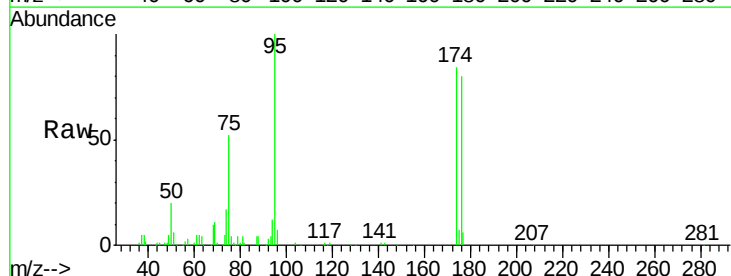
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#03

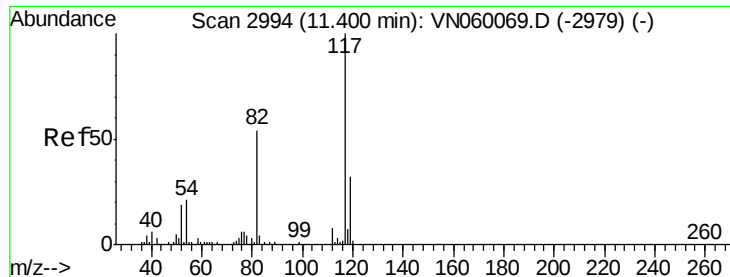
Tgt Ion: 43 Resp: 48591
Ion Ratio Lower Upper
43 100
58 19.6 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 50.14 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Tgt Ion: 95 Resp: 127513
Ion Ratio Lower Upper
95 100
174 84.7 0.0 169.8
176 82.7 0.0 164.8

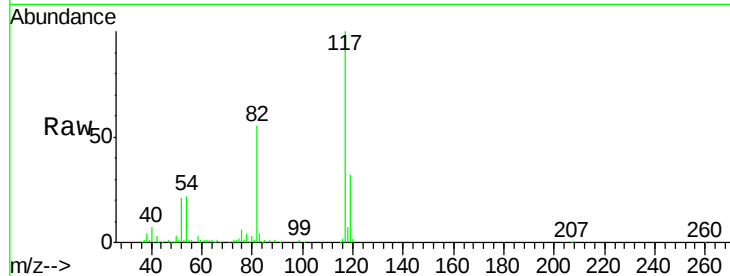




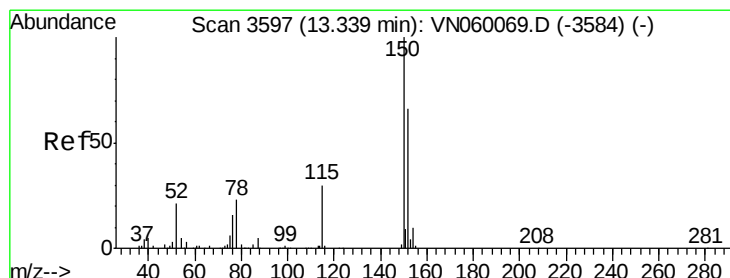
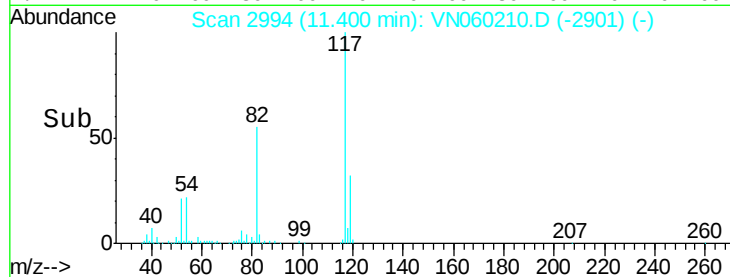
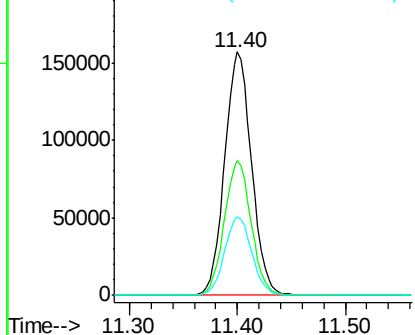
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#03

Tgt Ion:117 Resp: 272396
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.4 25.8 38.6

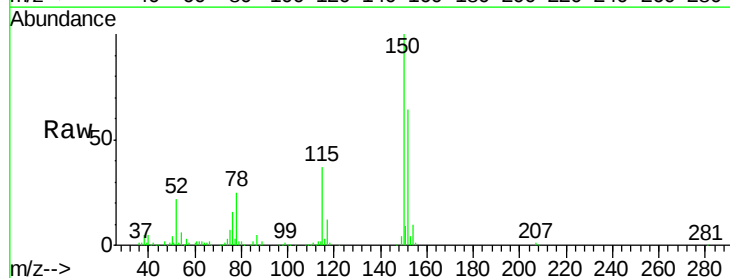


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

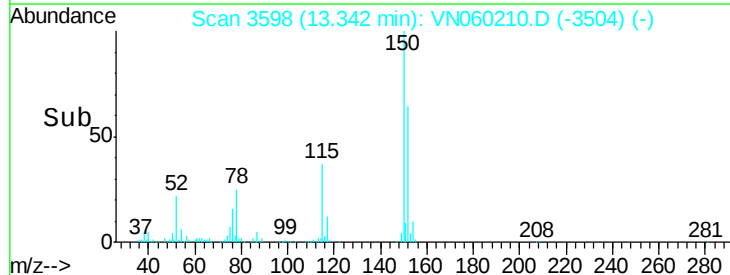
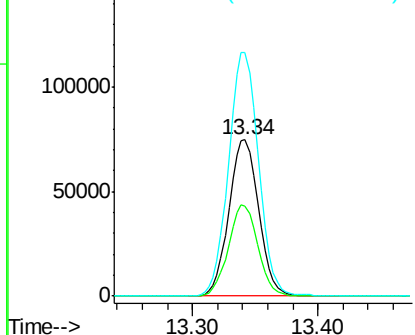


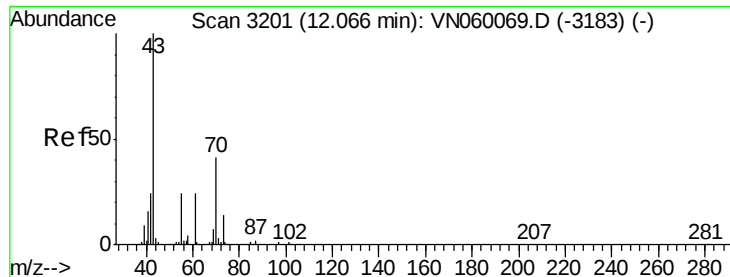
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060210.D
Acq: 24 Feb 2020 15:17

Tgt Ion:152 Resp: 123589
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.8
150 156.7 0.0 342.4



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: 0.68 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#03

Tgt Ion: 43 Resp: 2254

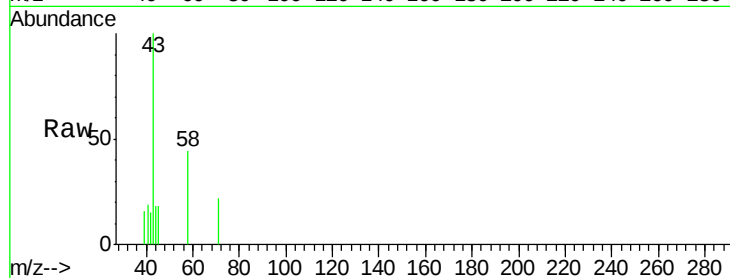
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

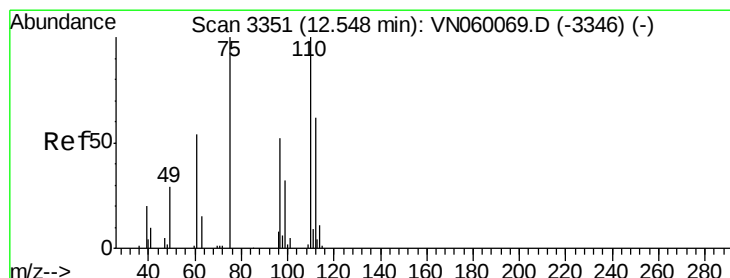
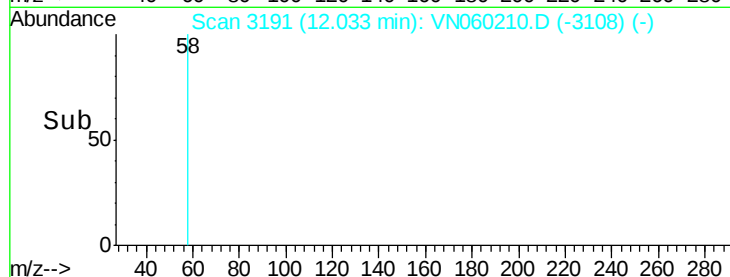
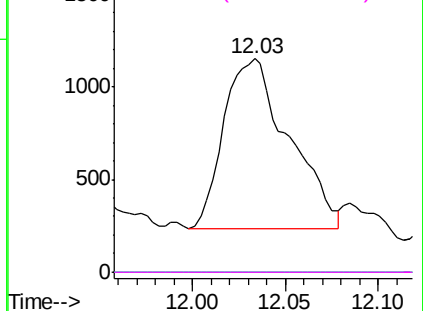


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 27.66 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060210.D

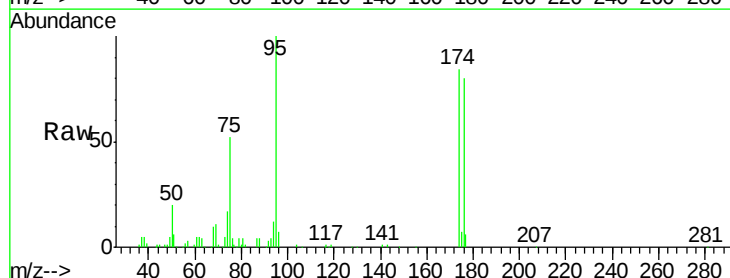
Acq: 24 Feb 2020 15:17

Tgt Ion: 75 Resp: 65398

Ion Ratio Lower Upper

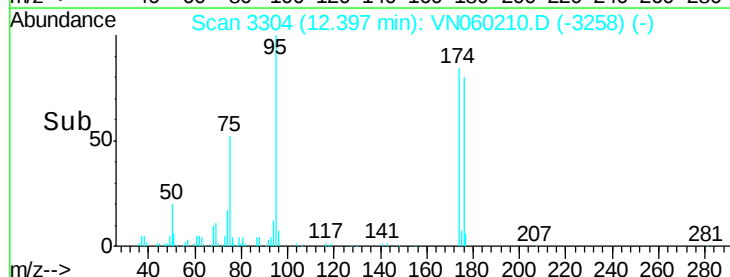
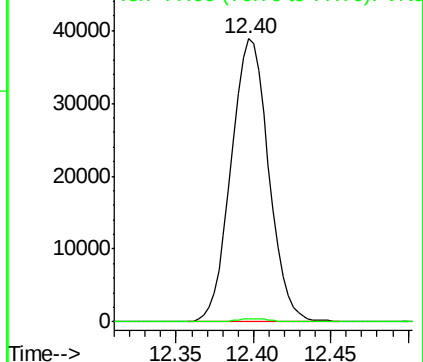
75 100

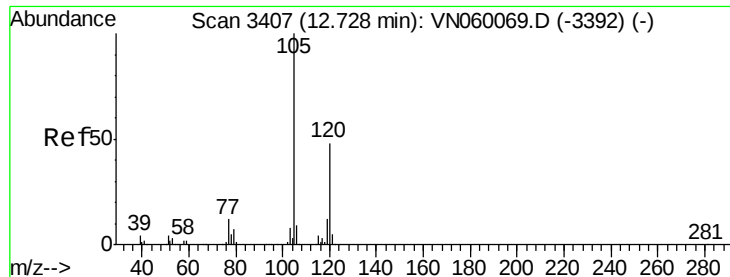
77 0.9 0.0 0.0#



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: 0.32 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

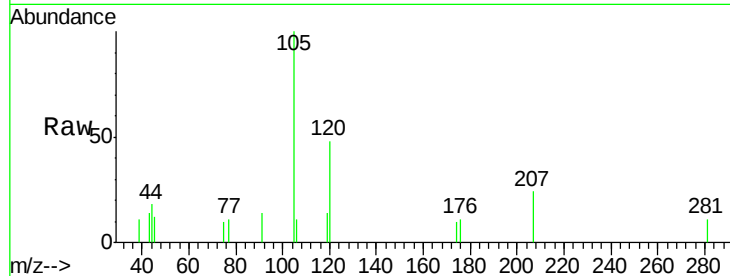
PB127001ZHE#03

Tgt Ion: 105 Resp: 2458

Ion Ratio Lower Upper

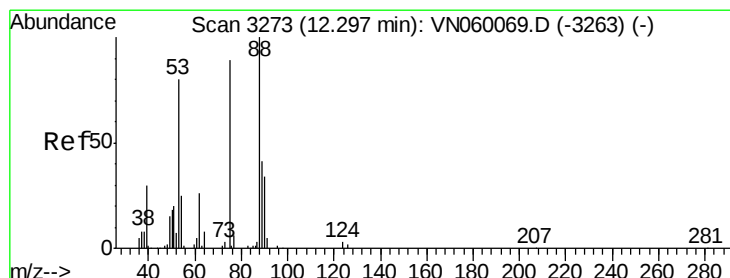
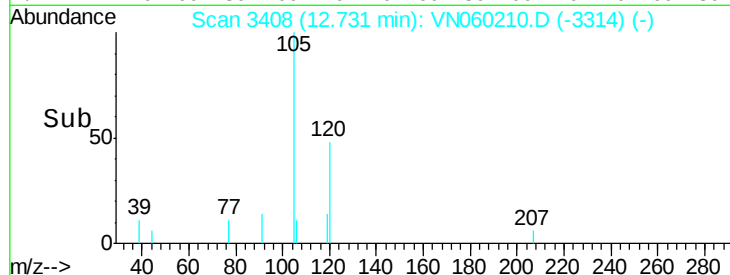
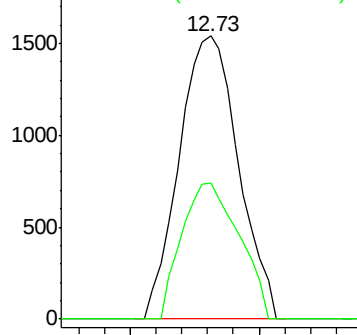
105 100

120 46.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.72 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

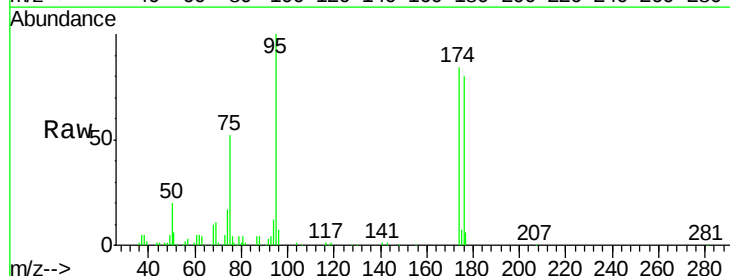
Tgt Ion: 75 Resp: 65398

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

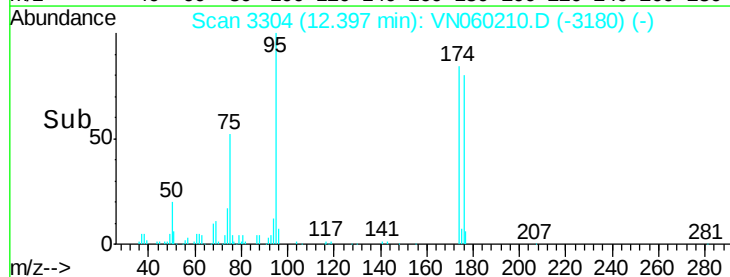
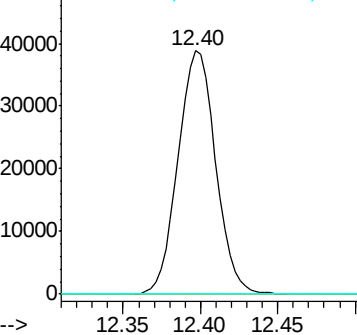
89 0.0 37.0 55.4#

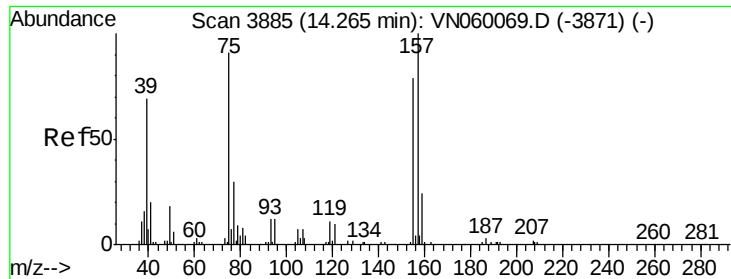


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN060210.D

Acq: 24 Feb 2020 15:17

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#03

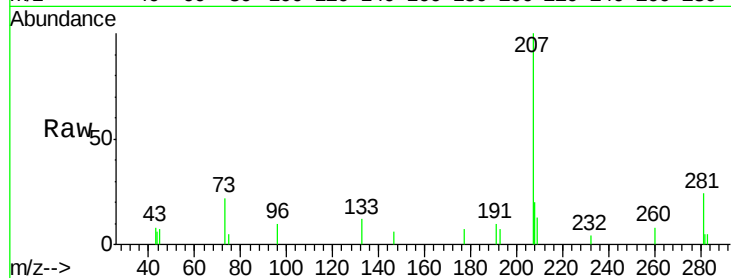
Tgt Ion: 75 Resp: 103

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060210.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060210.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060210.D (-3791) (-)

