

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060736.D
 Acq On : 27 Mar 2020 13:00
 Operator : JC/MD
 Sample : PB127814ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#01

Quant Time: Mar 28 01:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	179633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130874	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	118000	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.57	113	89867	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.08	98	372503	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	140592	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	

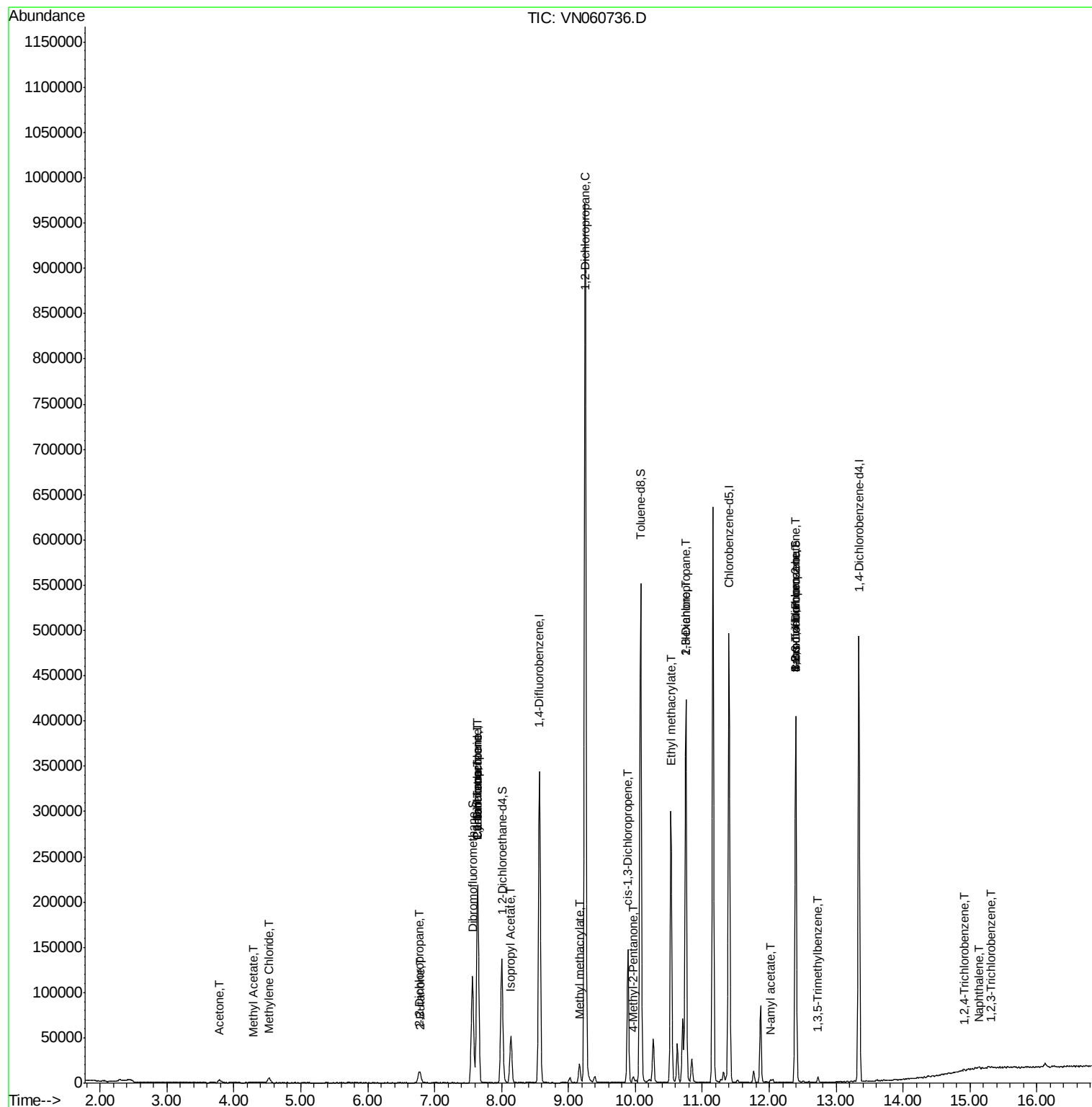
Target Compounds					Qvalue	
16) Acetone	3.78	43	5561	6.366	ug/l	95
18) Methyl Acetate	4.29	43	1802	0.733	ug/l #	61
20) Methylene Chloride	4.52	84	3997	1.860	ug/l	96
25) 2-Butanone	6.80	43	586	0.415	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	795	0.256	ug/l #	53
31) Cyclohexane	7.64	56	3927	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14254	4.835	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17405	6.588	ug/l #	16
43) Isopropyl Acetate	8.14	43	61043	11.620	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1284	0.547	ug/l #	43
48) Methyl methacrylate	9.15	41	2911	1.245	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4680	1.566	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	26089	7.018	ug/l #	61
56) Ethyl methacrylate	10.53	69	695	0.216	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4217	1.175	ug/l #	42
59) 2-Hexanone	10.75	43	61778	28.690	ug/l #	52
71) Bromoform	12.39	173	565	2.000	ug/l #	1
74) N-amyl acetate	12.02	43	2964	0.653	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	70519	24.971	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3562	0.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	70519	64.134	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	584	0.238	ug/l #	77
95) Naphthalene	15.13	128	1884	0.256	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.32	180	519	0.215	ug/l #	84

(#) = 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: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

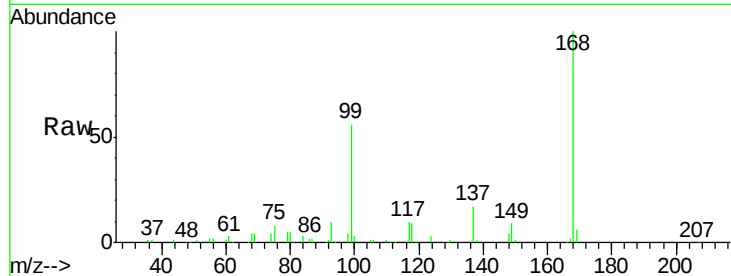
PB127814ZHE#01

Tgt Ion:168 Resp: 179633

Ion Ratio Lower Upper

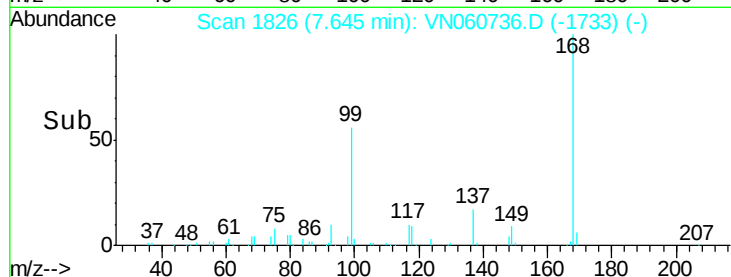
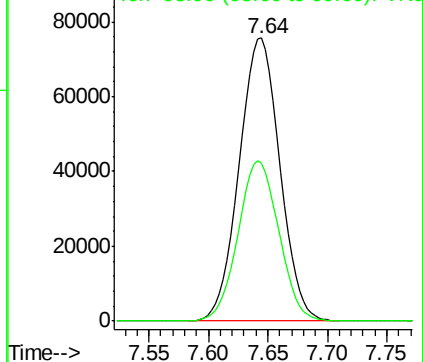
168 100

99 55.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.366 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060736.D

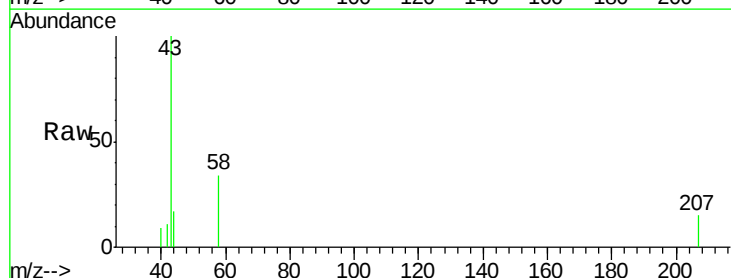
Acq: 27 Mar 2020 13:00

Tgt Ion: 43 Resp: 5561

Ion Ratio Lower Upper

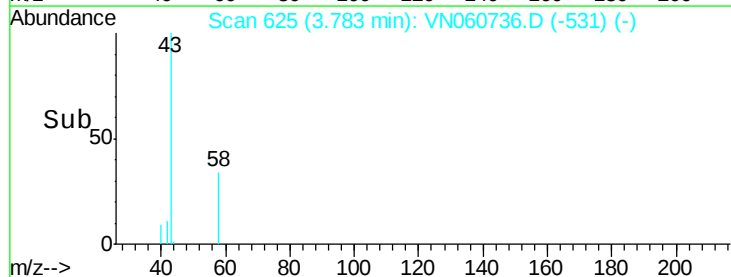
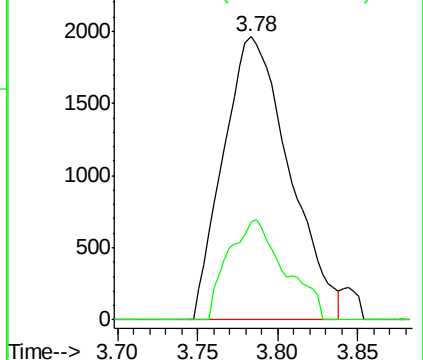
43 100

58 34.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

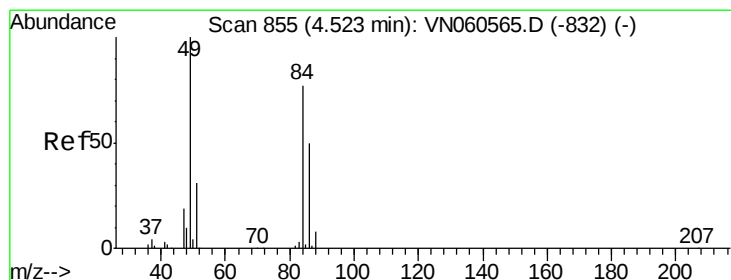
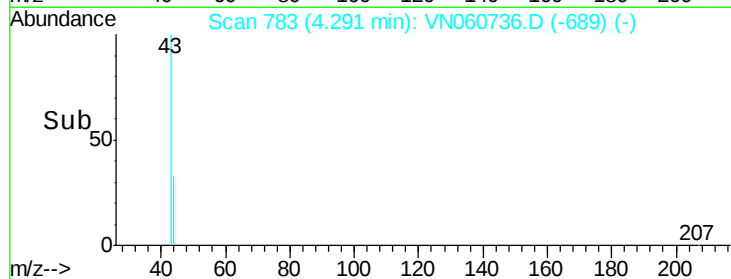
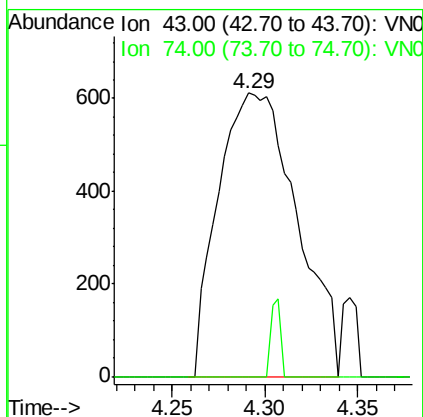
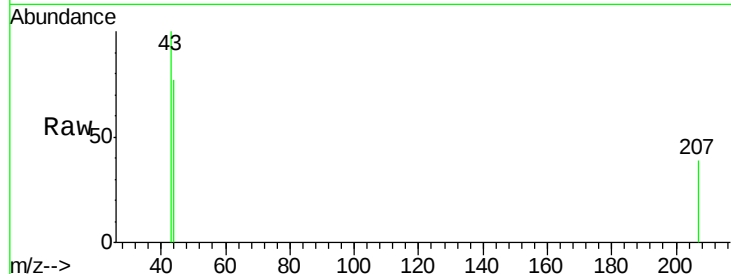




#18
Methyl Acetate
Concen: 0.733 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

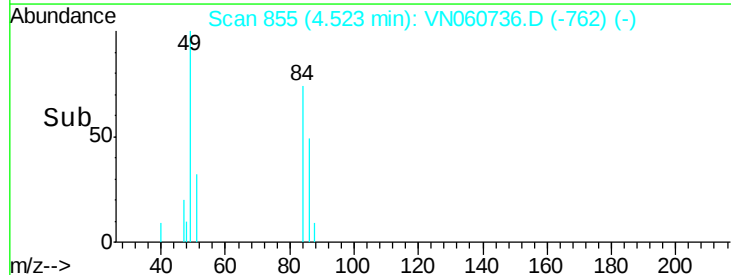
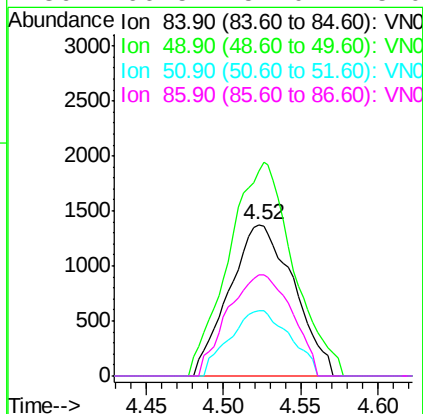
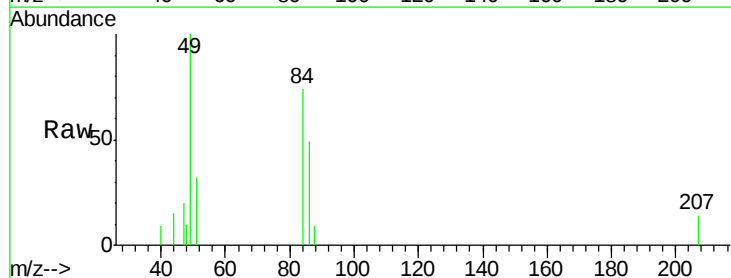
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#01

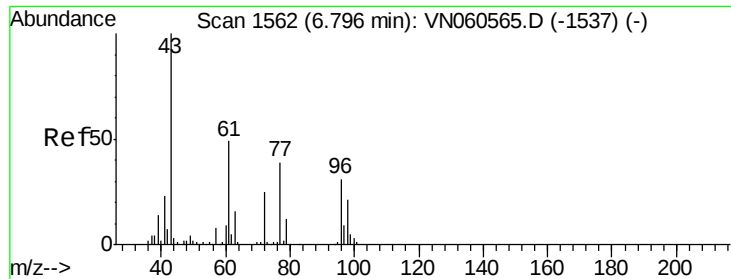
Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
74 3.4 17.5 26.3#



#20
Methylene Chloride
Concen: 1.860 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Tgt Ion: 84 Resp: 3997
Ion Ratio Lower Upper
84 100
49 135.1 103.3 154.9
51 43.3 31.6 47.4
86 66.5 52.0 78.0

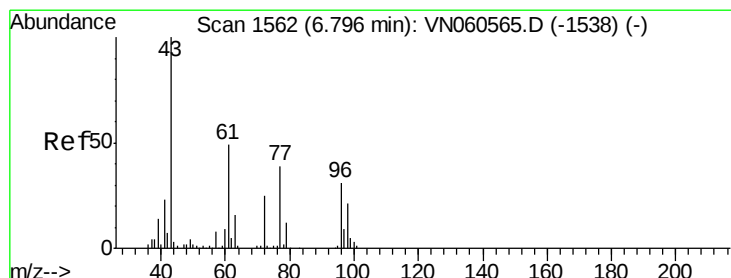
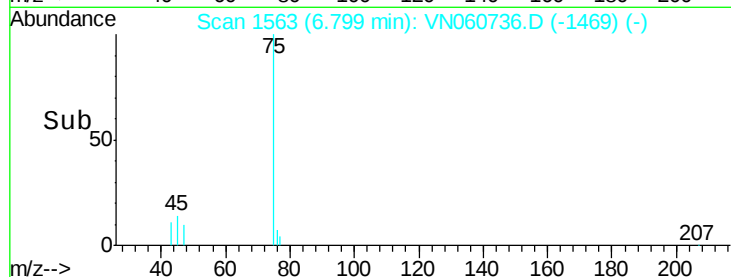
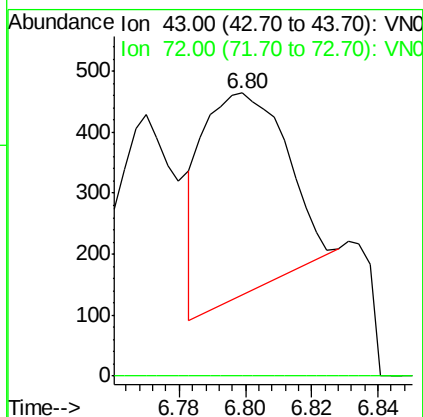
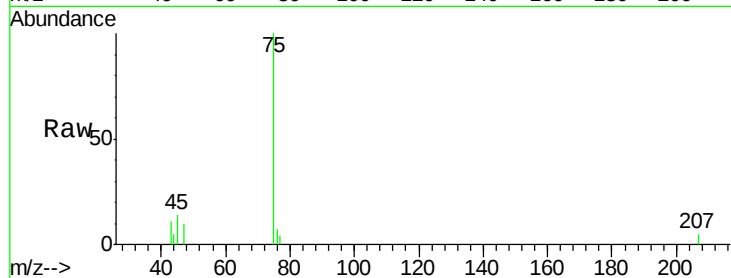




#25
 2-Butanone
 Concen: 0.415 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

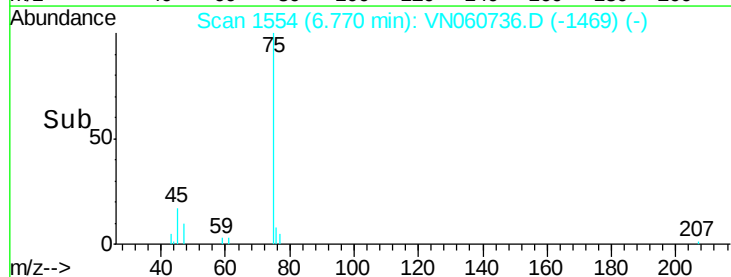
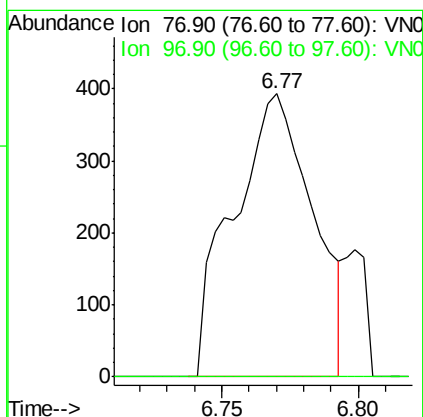
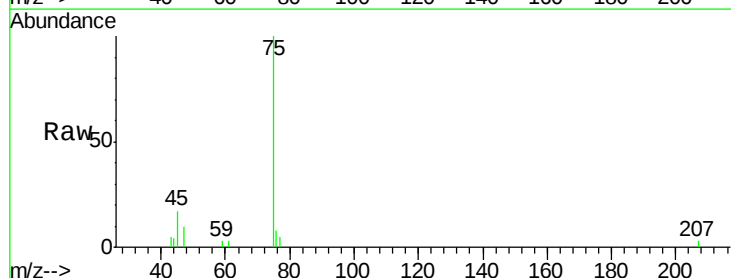
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#01

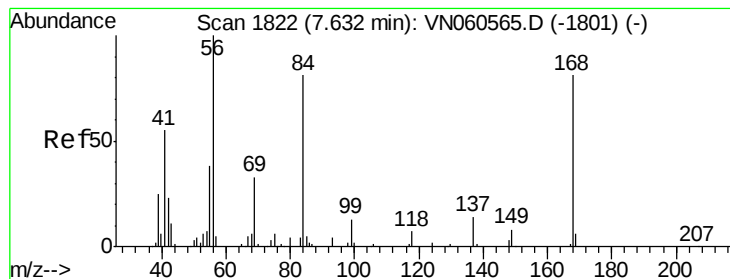
Tgt Ion: 43 Resp: 586
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.4 30.6#



#26
 2,2-Dichloropropane
 Concen: 0.256 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.03 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

Tgt Ion: 77 Resp: 795
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#





#31

Cyclohexane

Concen: 0.989 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#01

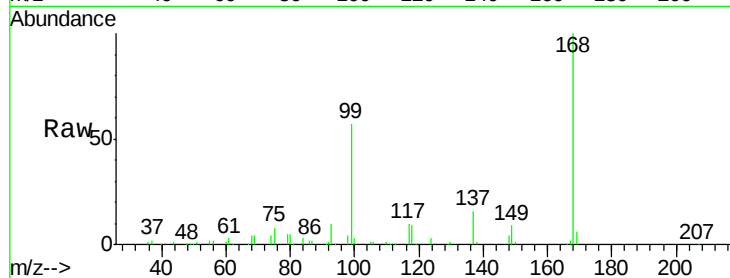
Tgt Ion: 56 Resp: 3927

Ion Ratio Lower Upper

56 100

69 171.6 26.6 40.0#

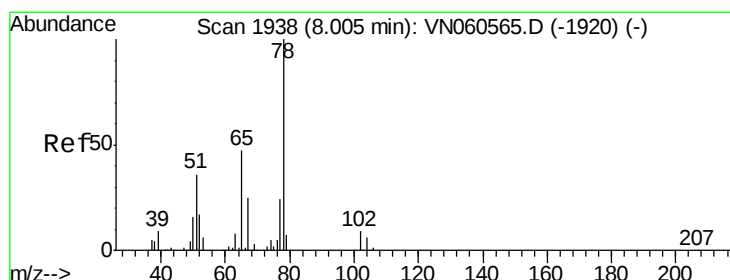
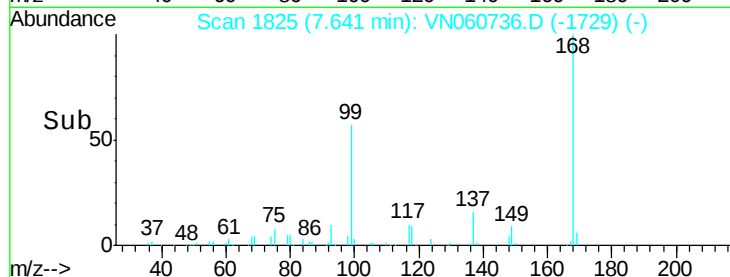
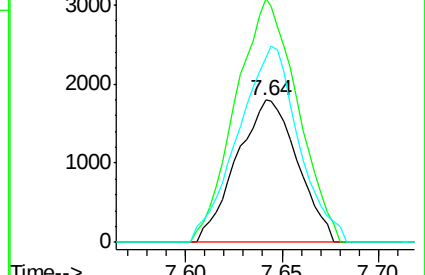
84 130.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060736.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060736.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060736.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.852 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060736.D

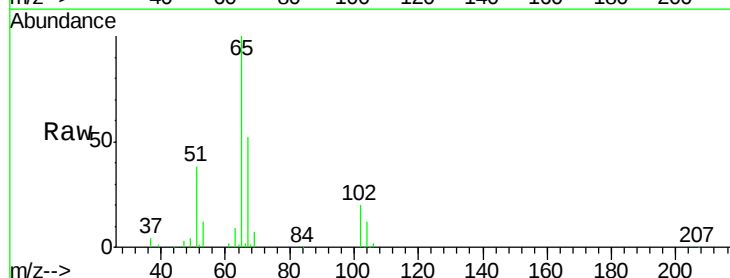
Acq: 27 Mar 2020 13:00

Tgt Ion: 65 Resp: 118000

Ion Ratio Lower Upper

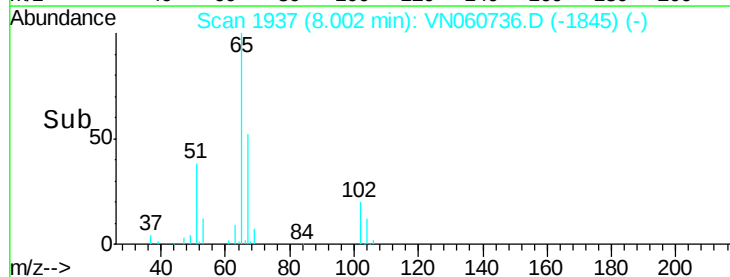
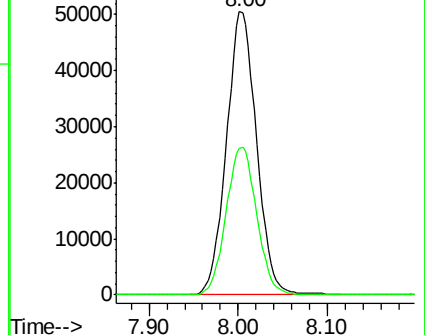
65 100

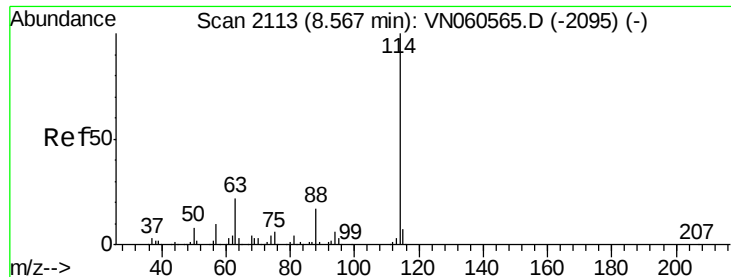
67 52.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060736.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060736.D (-1845) (-)

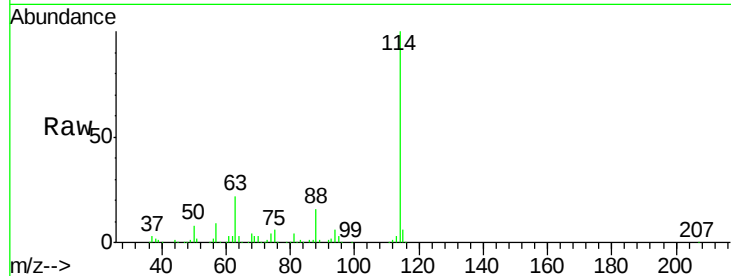




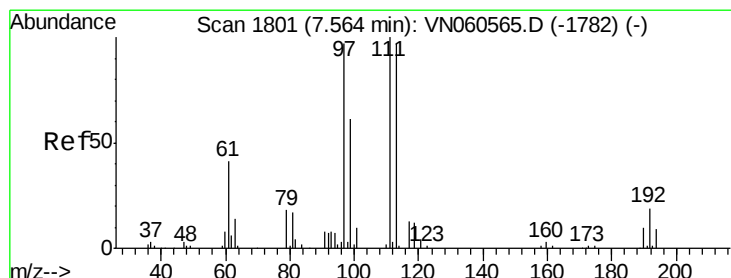
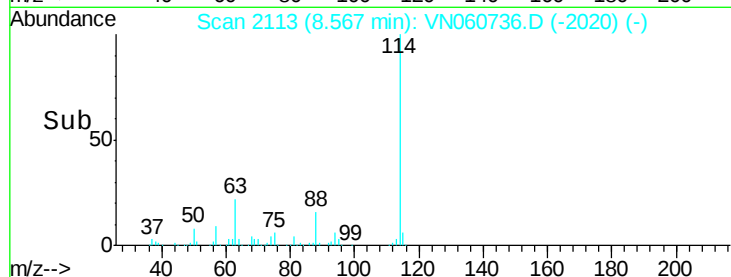
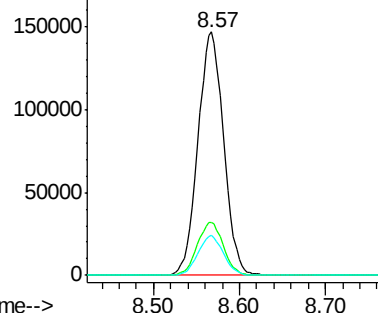
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.3	0.0	33.0

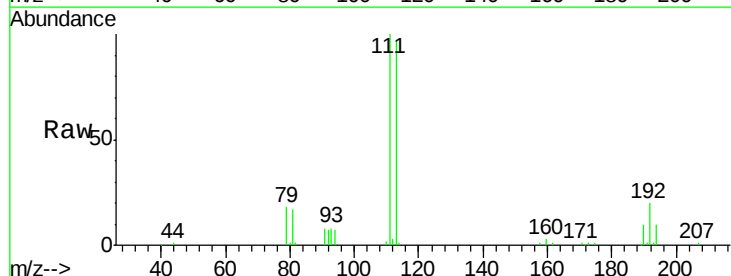


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

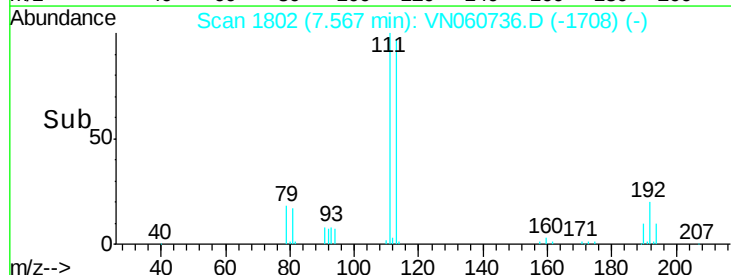
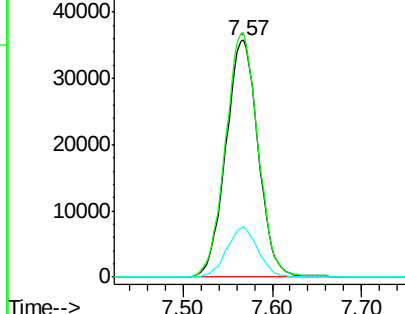


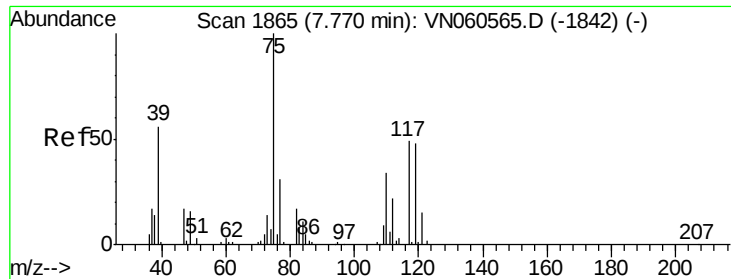
#35
 Dibromofluoromethane
 Concen: 48.819 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	20.3	15.8	23.8



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

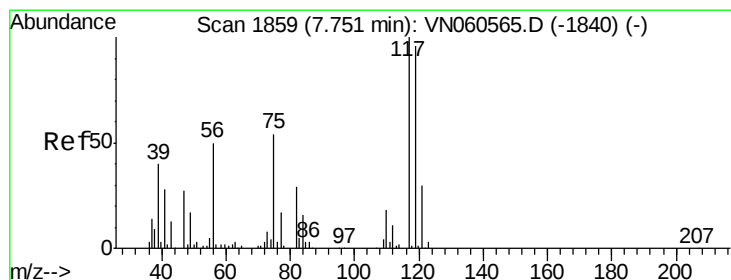
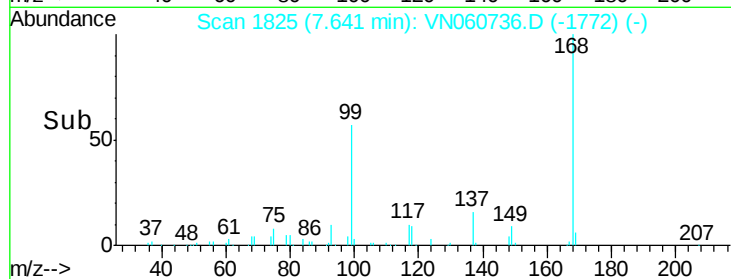
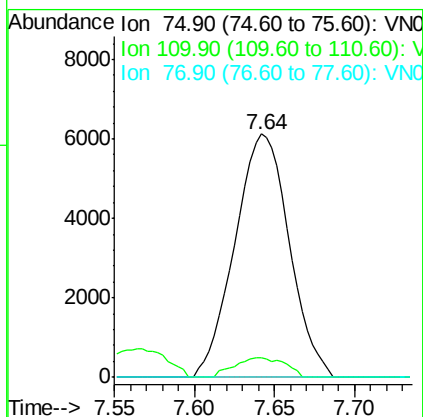
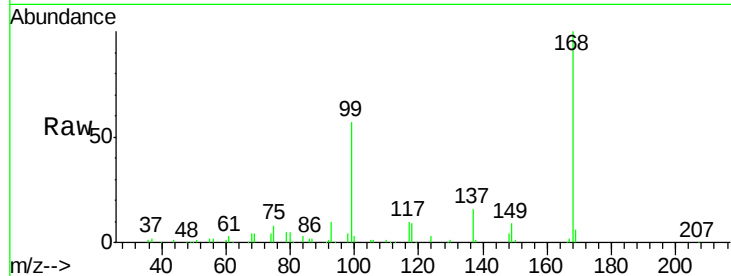




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

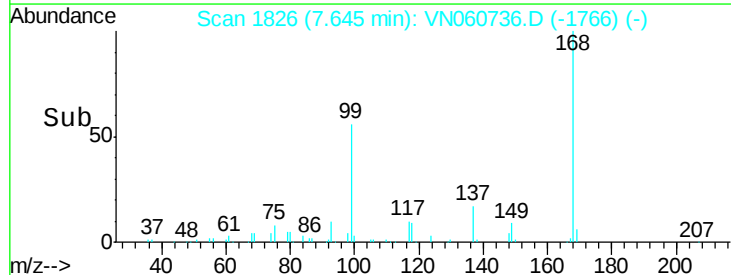
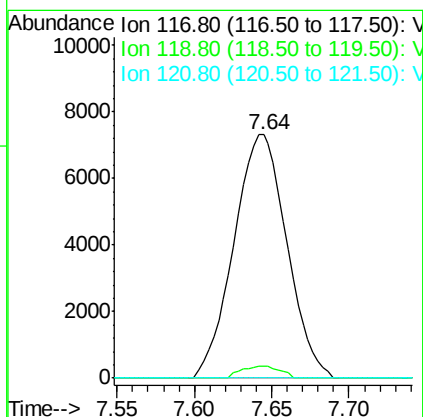
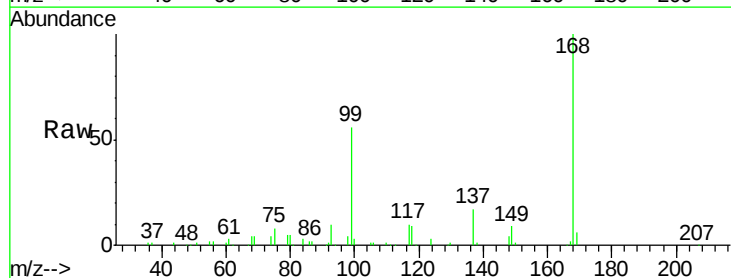
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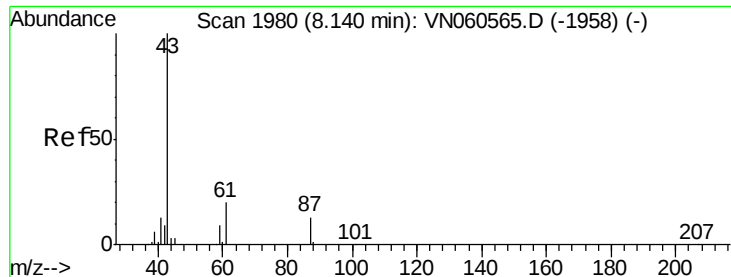
Tgt Ion: 75 Resp: 14254
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.588 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

Tgt Ion: 117 Resp: 17405
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 23.7 35.5#

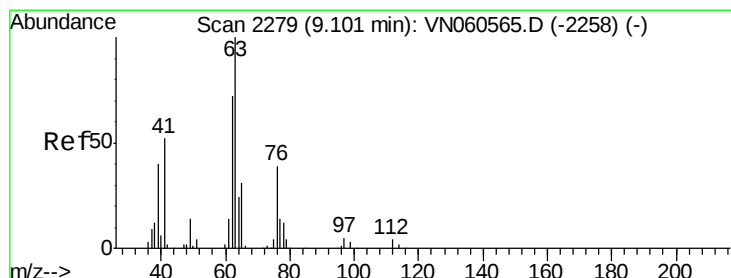
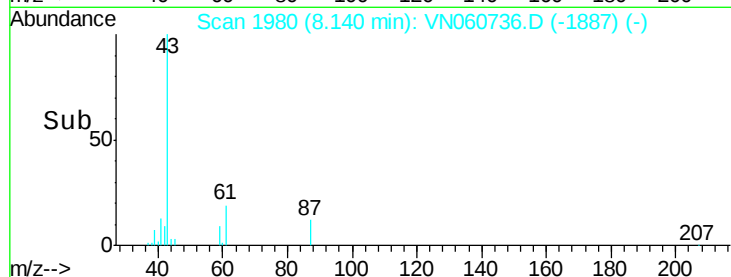
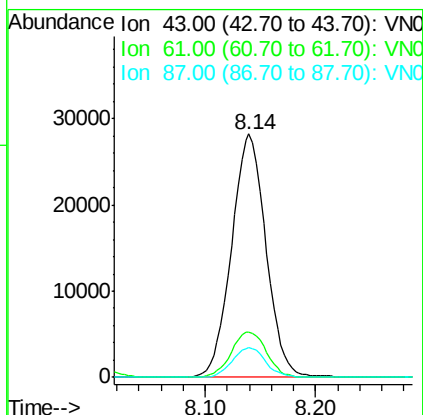
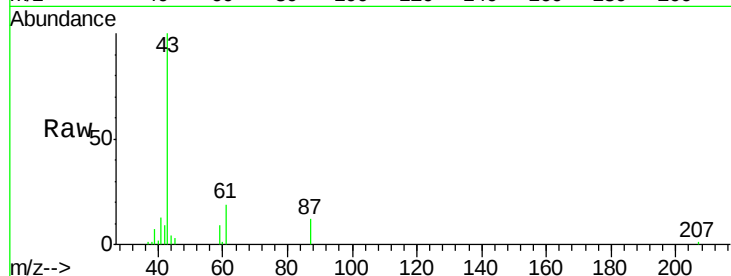




#43
Isopropyl Acetate
Concen: 11.620 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

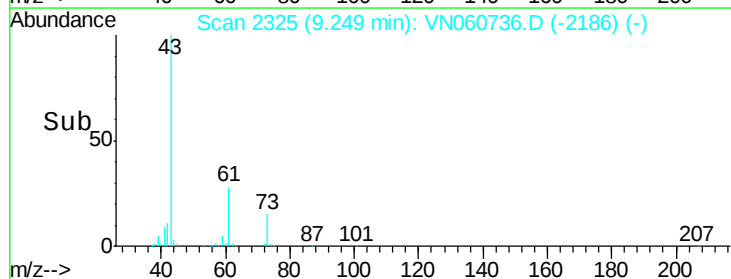
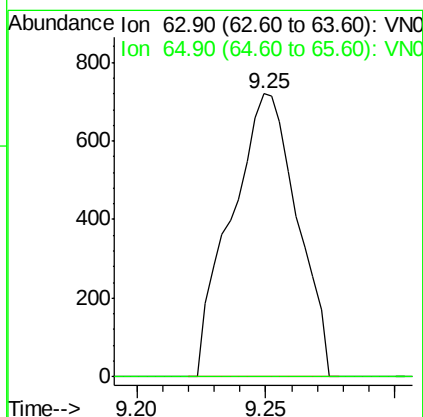
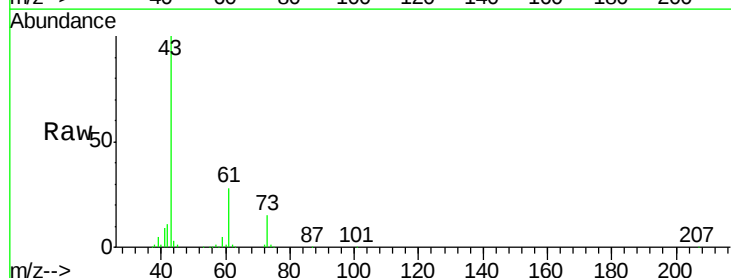
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#01

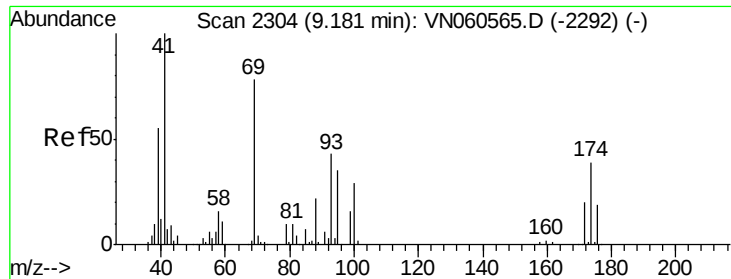
Tgt Ion: 43 Resp: 61043
Ion Ratio Lower Upper
43 100
61 19.0 20.7 31.1#
87 11.7 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.547 ug/l
RT: 9.25 min Scan# 2325
Delta R.T. 0.15 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Tgt Ion: 63 Resp: 1284
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#

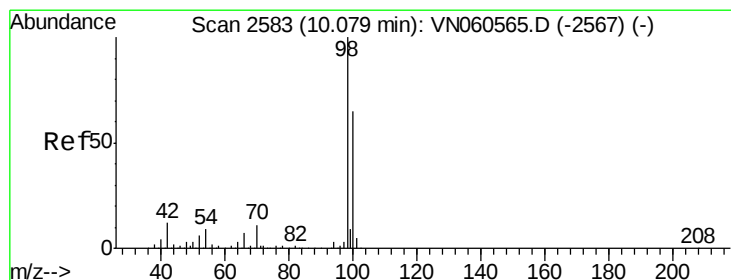
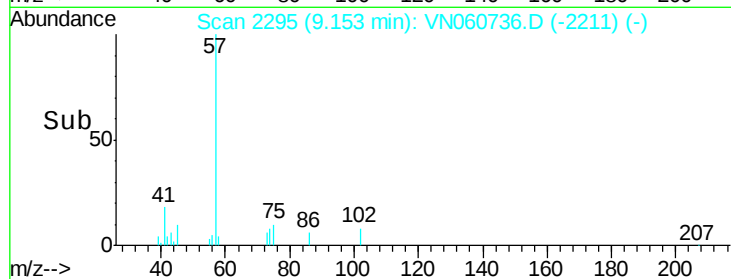
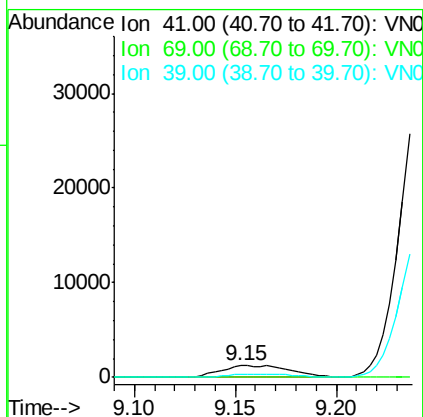
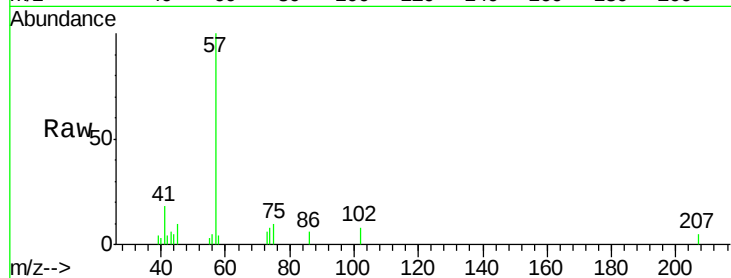




#48
Methyl methacrylate
Concen: 1.245 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

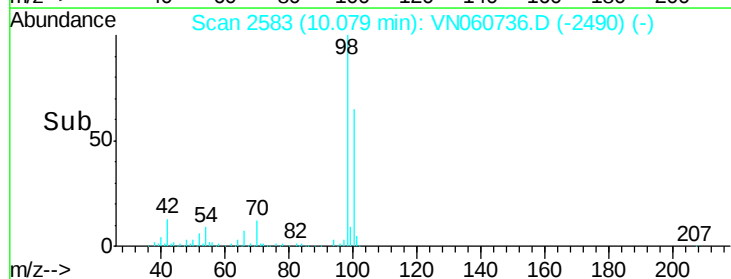
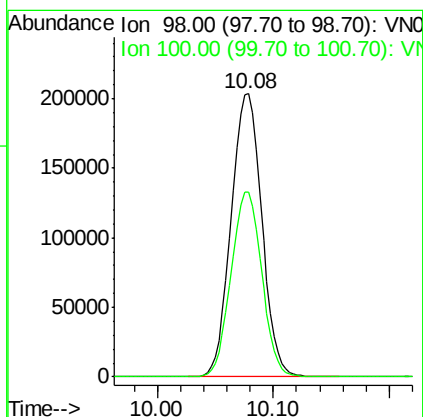
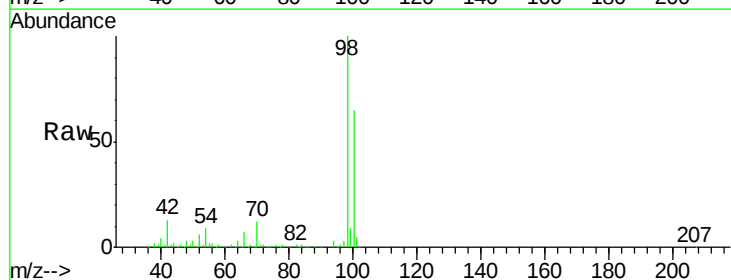
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#01

Tgt Ion: 41 Resp: 2911
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.541 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Tgt Ion: 98 Resp: 372503
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8

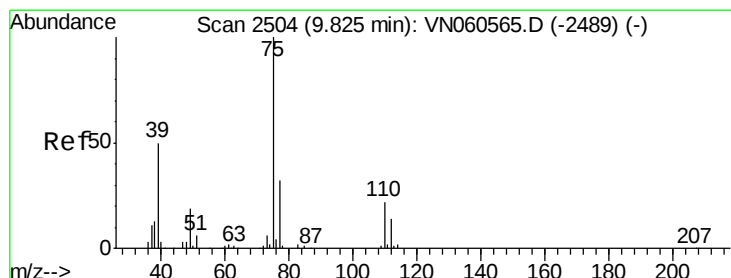
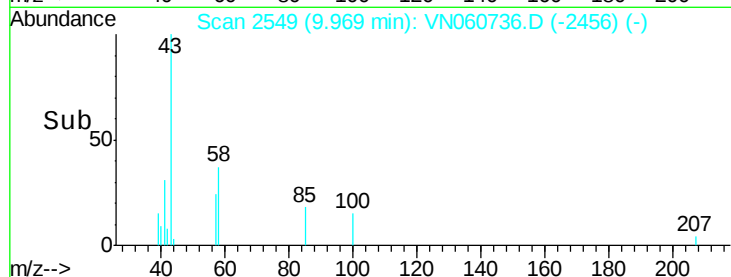
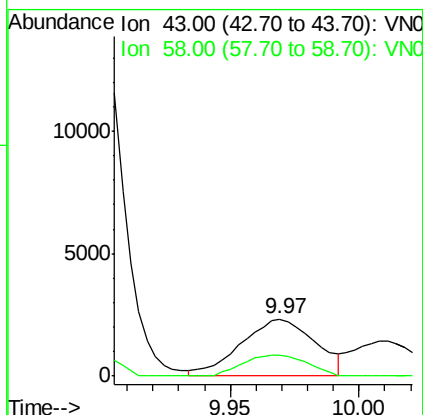
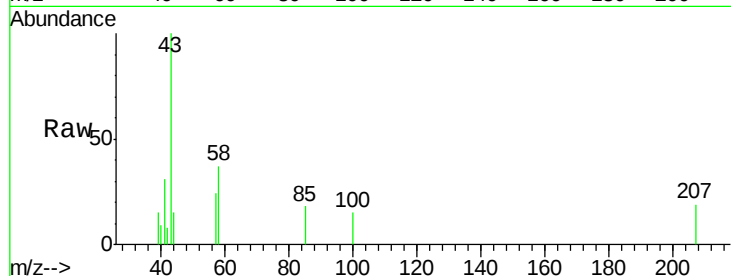




#51
 4-Methyl-2-Pentanone
 Concen: 1.566 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

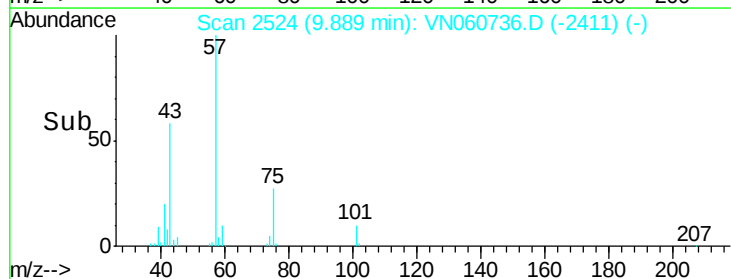
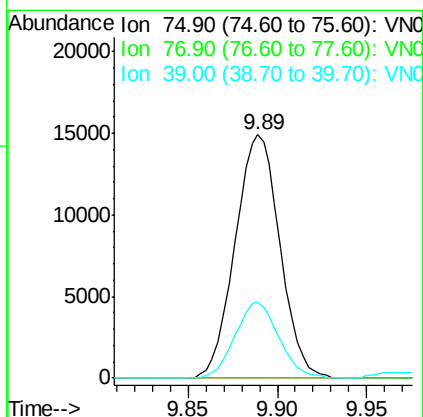
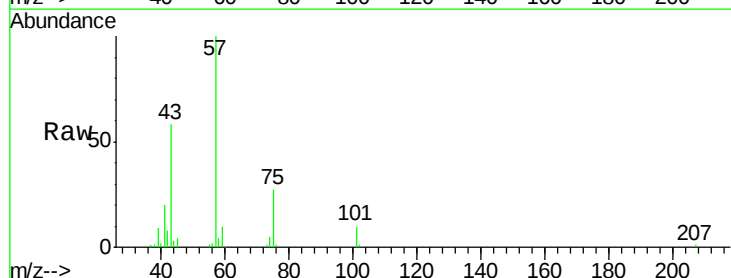
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#01

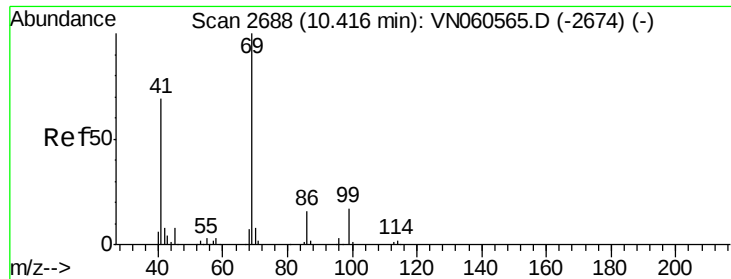
Tgt Ion: 43 Resp: 4680
 Ion Ratio Lower Upper
 43 100
 58 32.1 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 7.018 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060736.D
 Acq: 27 Mar 2020 13:00

Tgt Ion: 75 Resp: 26089
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 31.3 40.2 60.4#





#56

Ethyl methacrylate

Concen: 0.216 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#01

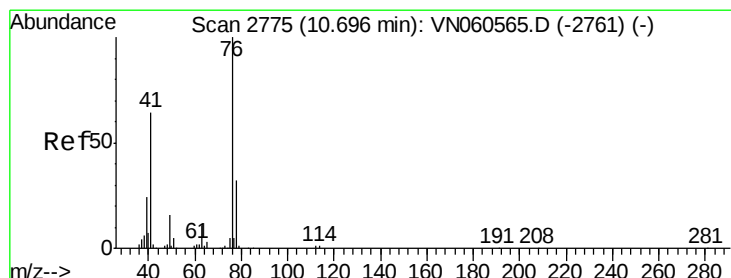
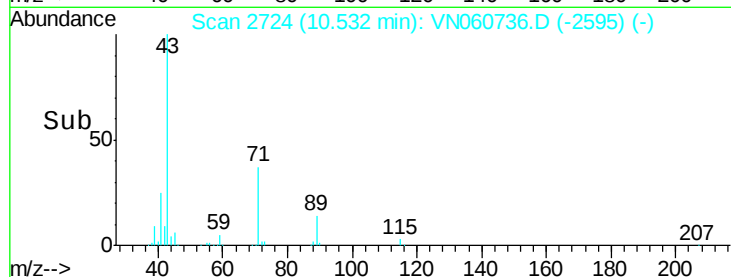
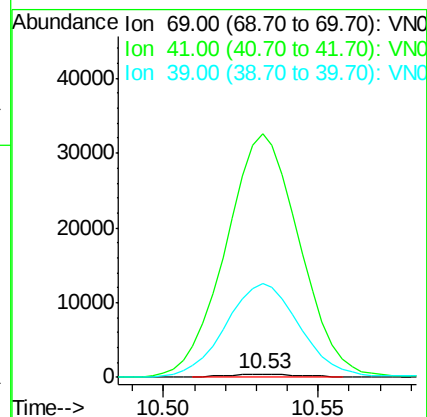
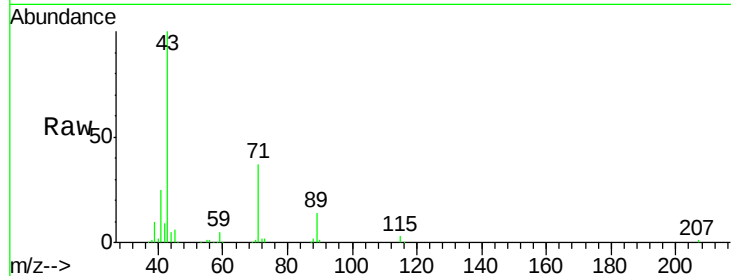
Tgt Ion: 69 Resp: 695

Ion Ratio Lower Upper

69 100

41 7795.7 55.4 83.2#

39 3029.5 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.175 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060736.D

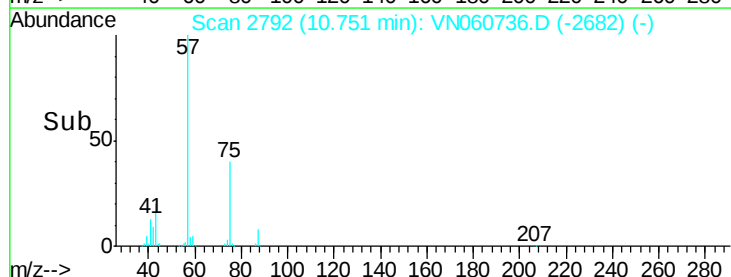
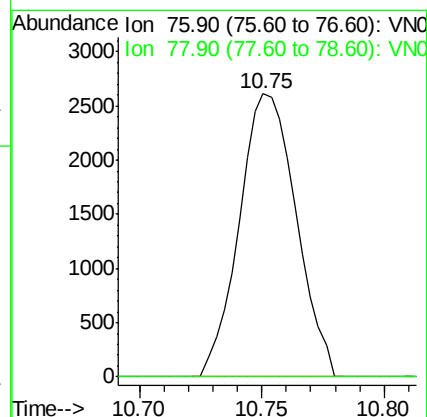
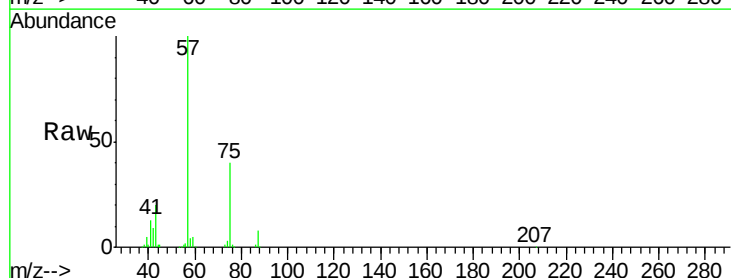
Acq: 27 Mar 2020 13:00

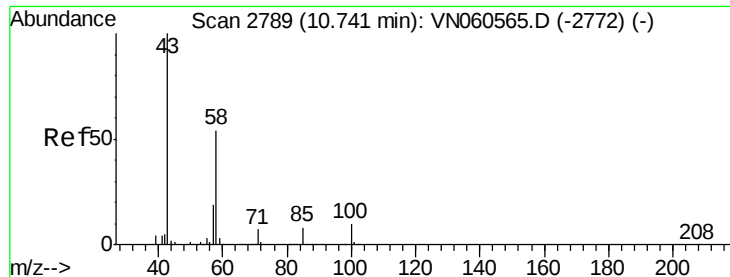
Tgt Ion: 76 Resp: 4217

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

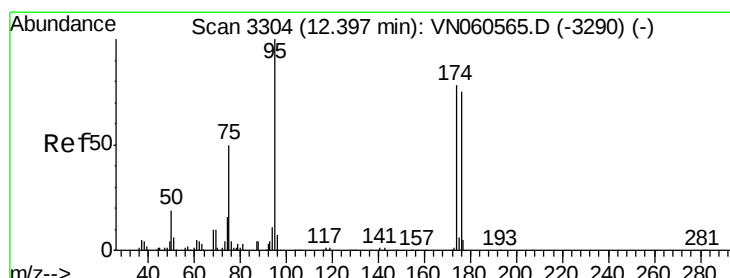
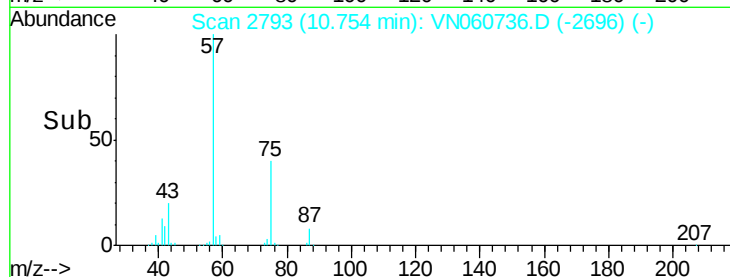
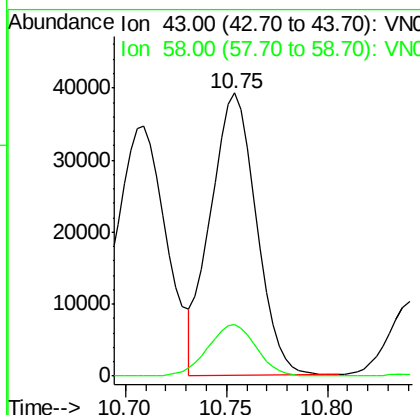
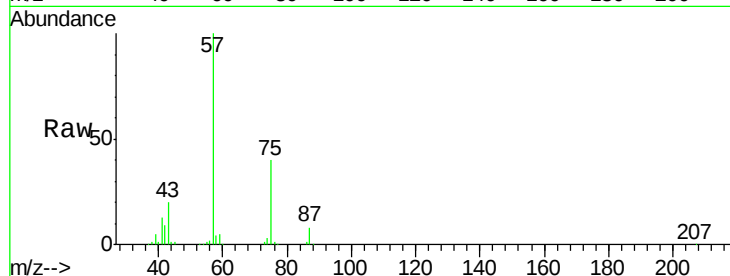




#59
2-Hexanone
Concen: 28.690 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

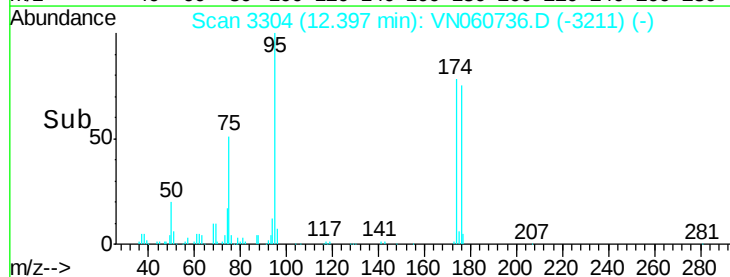
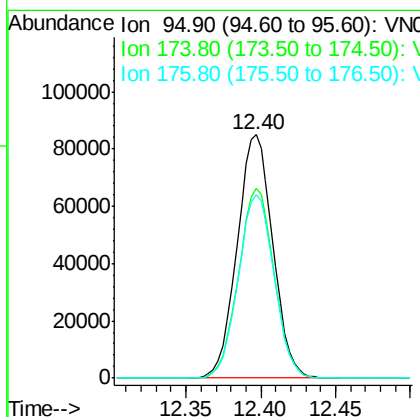
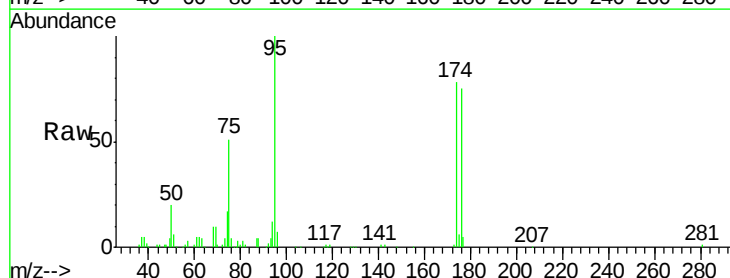
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#01

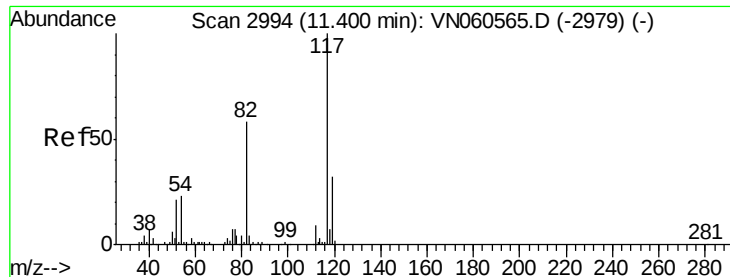
Tgt Ion: 43 Resp: 61778
Ion Ratio Lower Upper
43 100
58 19.2 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Tgt Ion: 95 Resp: 140592
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.6
176 75.8 0.0 150.6

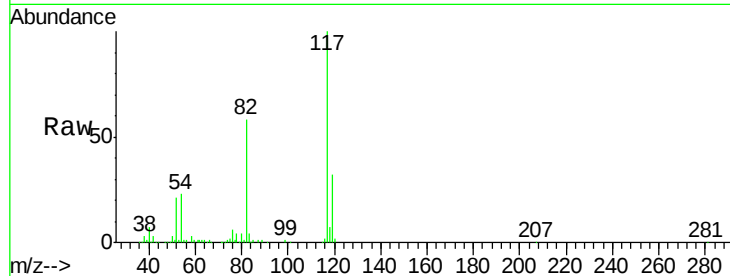




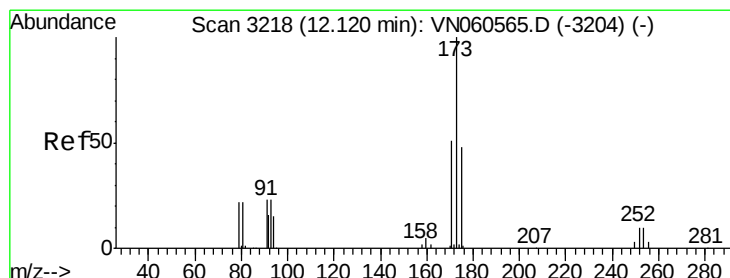
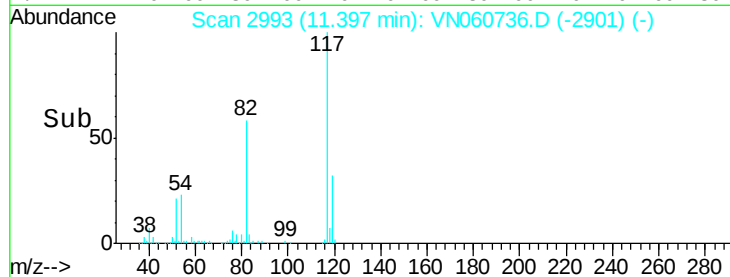
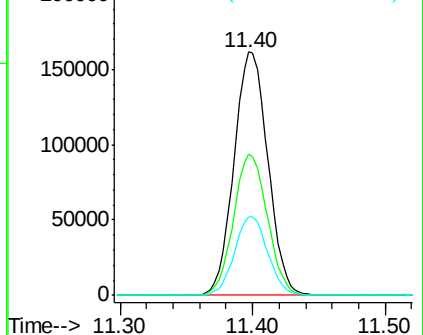
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#01

Tgt Ion:117 Resp: 286278
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.2 25.5 38.3

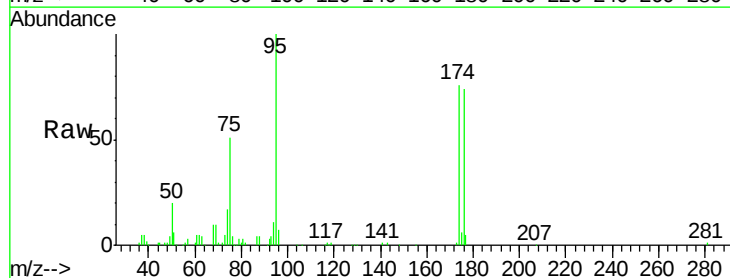


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

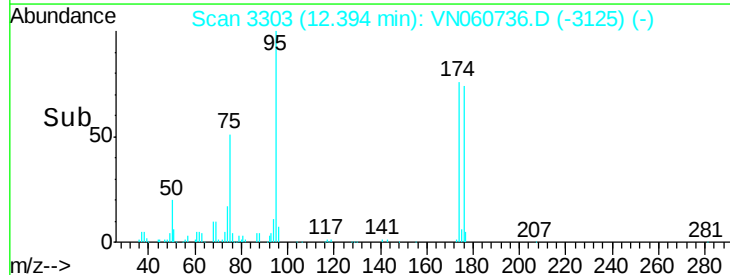
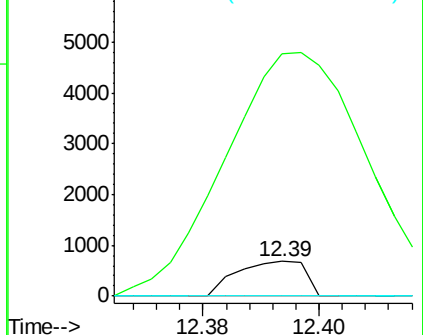


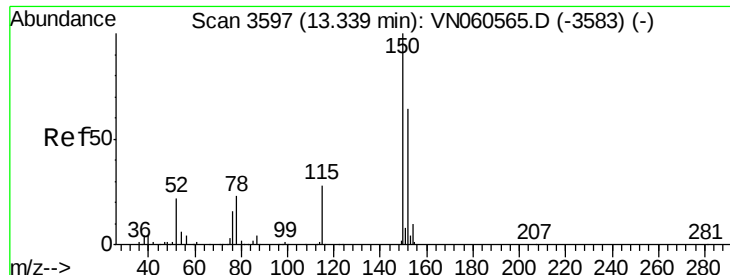
#71
Bromoform
Concen: 2.000 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060736.D
Acq: 27 Mar 2020 13:00

Tgt Ion:173 Resp: 565
Ion Ratio Lower Upper
173 100
175 1241.1 24.1 72.4#
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: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#01

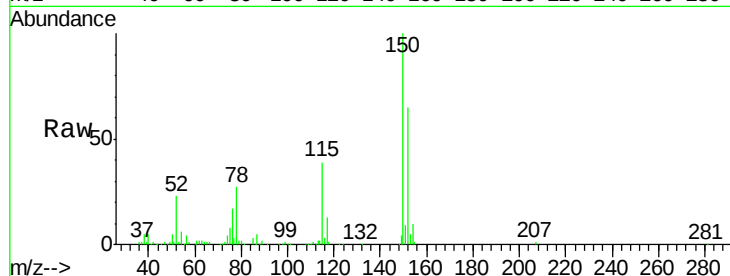
Tgt Ion:152 Resp: 130874

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

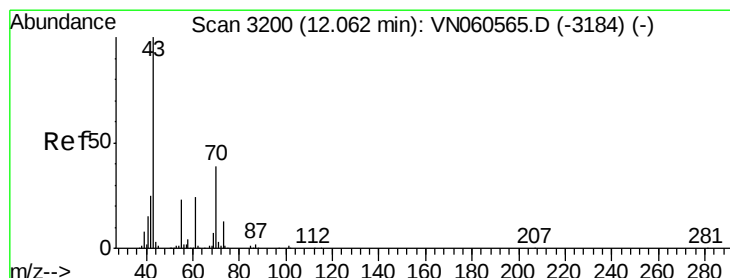
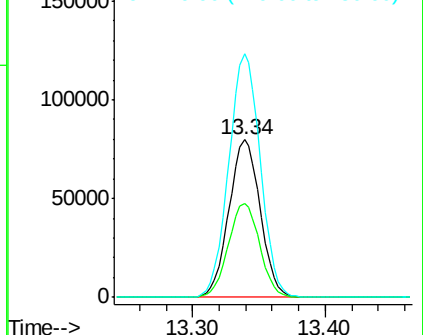
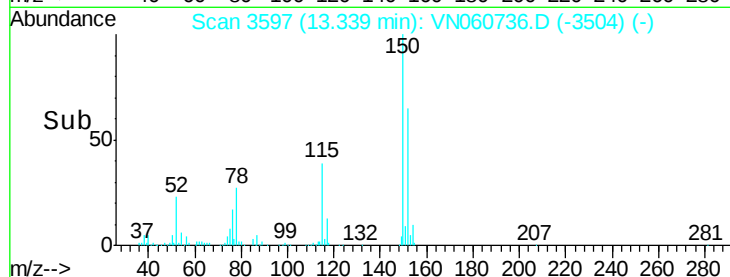
150 155.3 0.0 350.2



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: 0.653 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Tgt Ion: 43 Resp: 2964

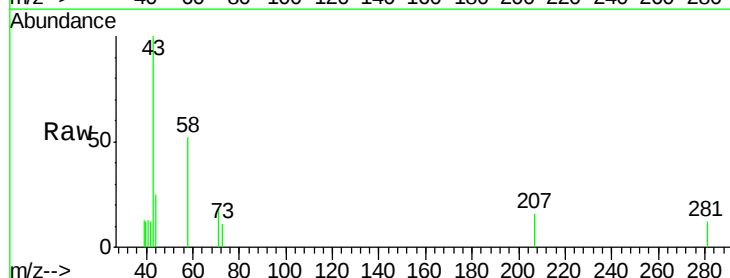
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

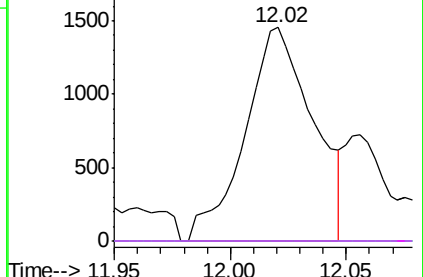
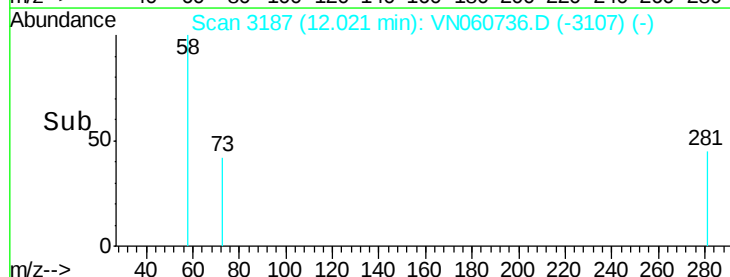


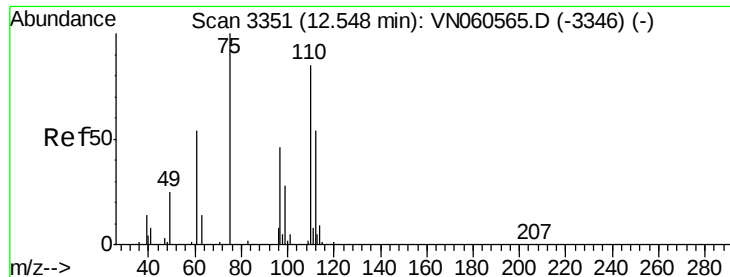
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.971 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

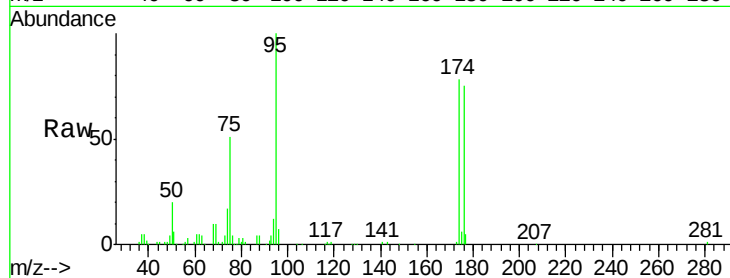
PB127814ZHE#01

Tgt Ion: 75 Resp: 70519

Ion Ratio Lower Upper

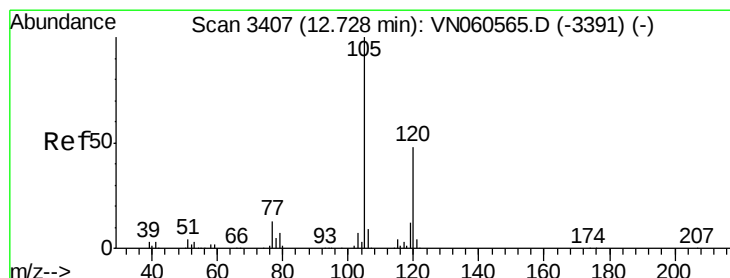
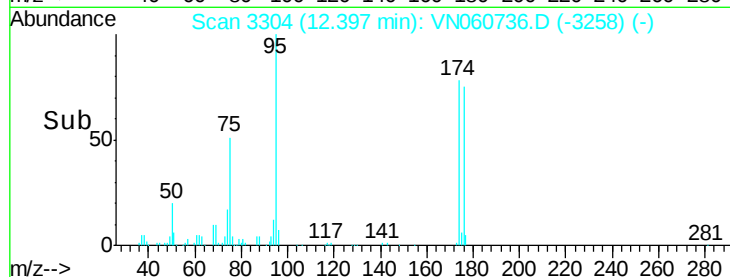
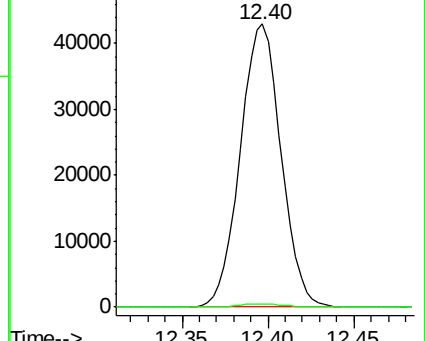
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060736.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060736.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.427 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060736.D

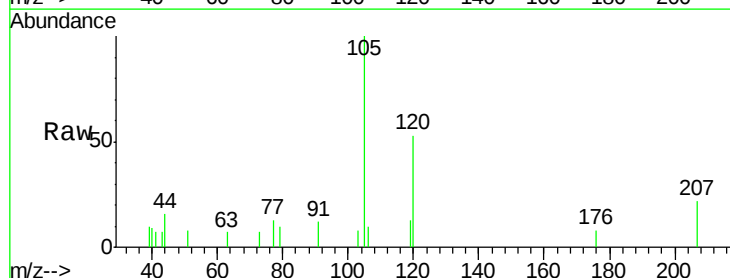
Acq: 27 Mar 2020 13:00

Tgt Ion: 105 Resp: 3562

Ion Ratio Lower Upper

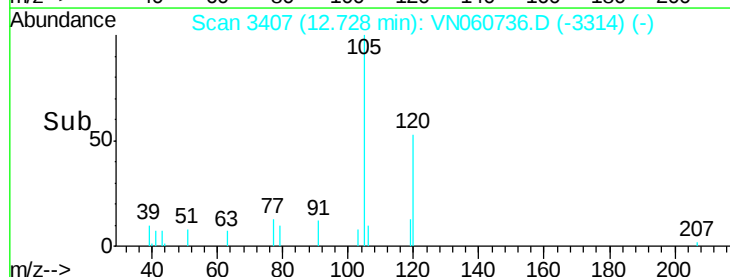
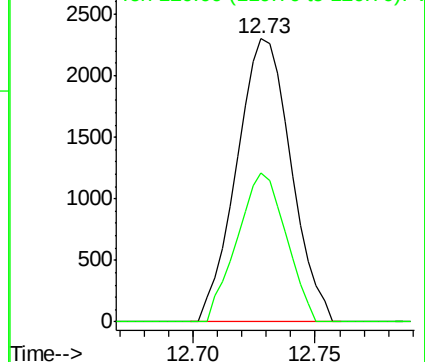
105 100

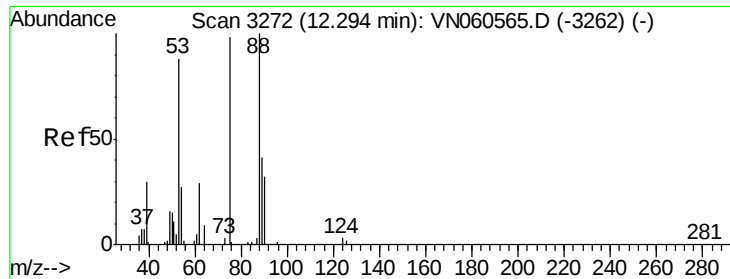
120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060736.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060736.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.134 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#01

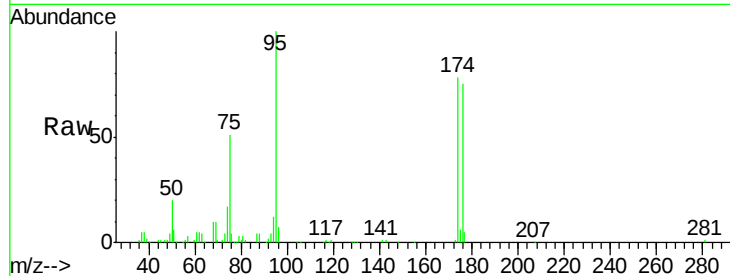
Tgt Ion: 75 Resp: 70519

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

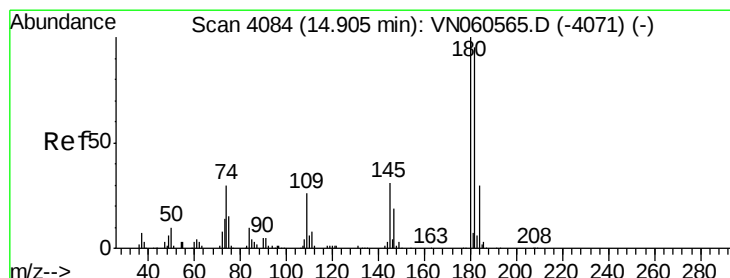
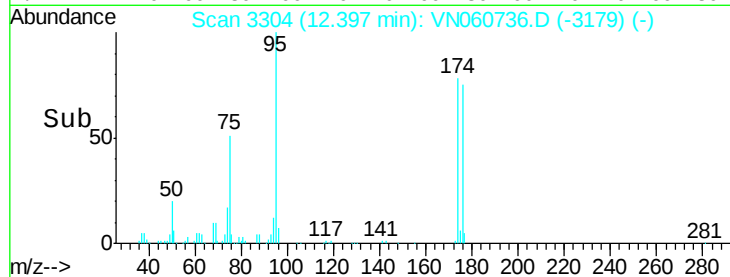
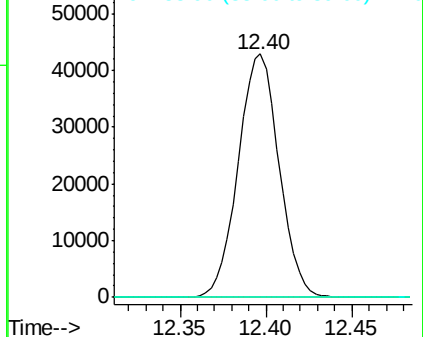
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060736.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060736.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060736.D (-3179) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.238 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

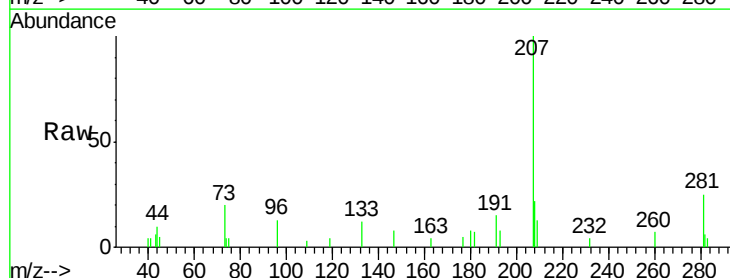
Tgt Ion: 180 Resp: 584

Ion Ratio Lower Upper

180 100

182 83.7 47.9 143.8

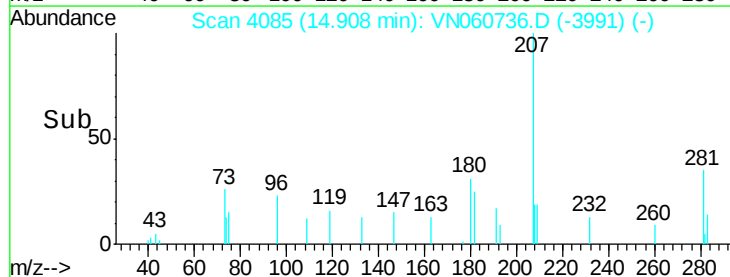
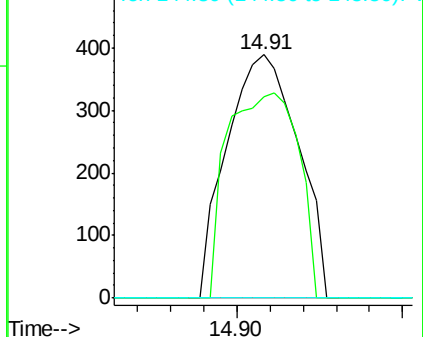
145 0.0 15.4 46.2#

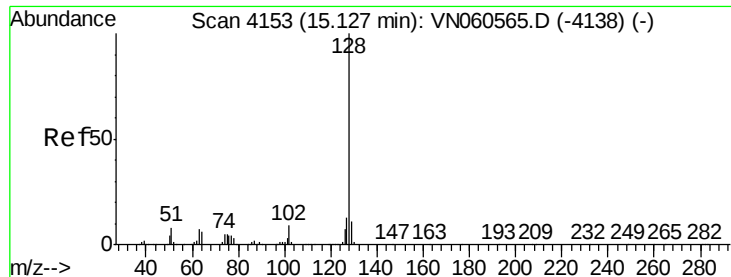


Abundance Ion 179.80 (179.50 to 180.50): VN060736.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN060736.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060736.D (-3991) (-)





#95

Naphthalene

Concen: 0.256 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.01 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#01

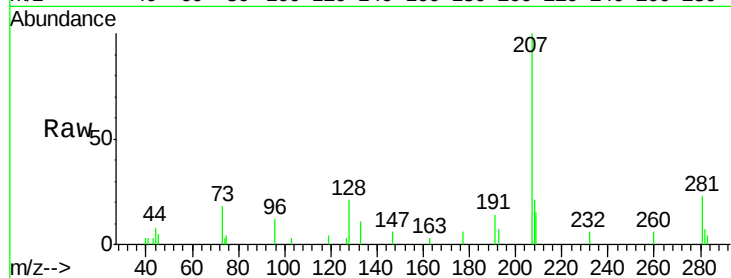
Tgt Ion:128 Resp: 1884

Ion Ratio Lower Upper

128 100

127 3.6 10.2 15.2#

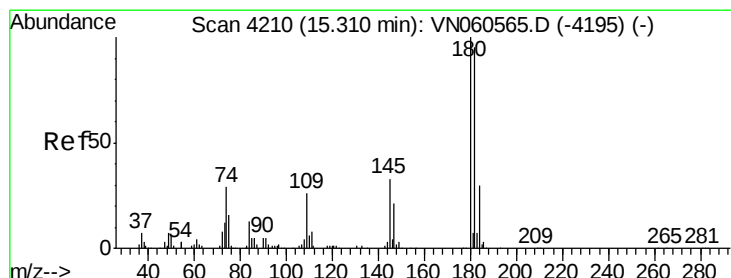
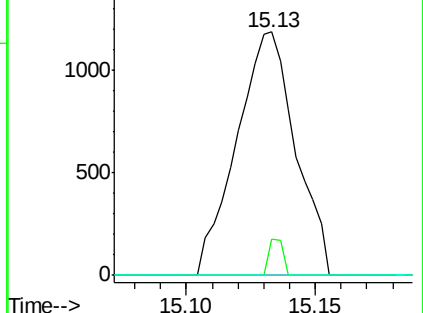
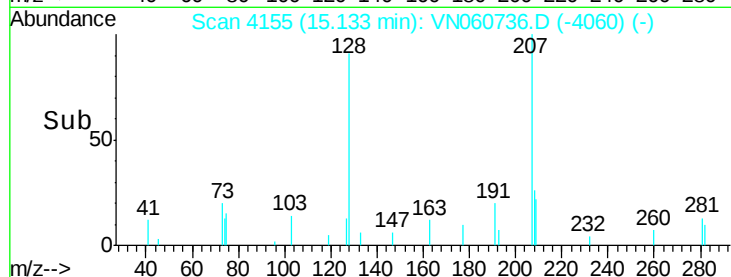
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.215 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN060736.D

Acq: 27 Mar 2020 13:00

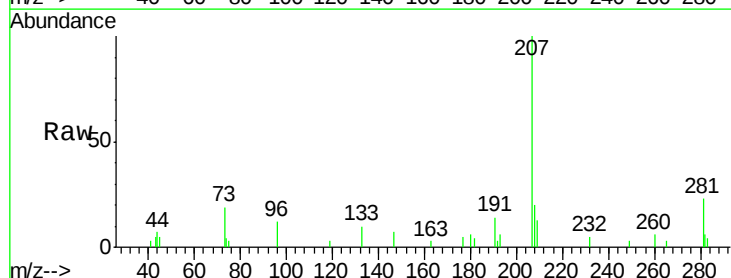
Tgt Ion:180 Resp: 519

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 0.0 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

