

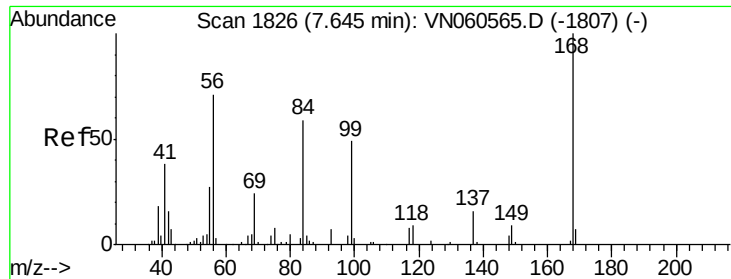
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060745.D
 Acq On : 27 Mar 2020 16:24
 Operator : JC/MD
 Sample : PB127814ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#10

Quant Time: Mar 28 02:00:48 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	205991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	342878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	324222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	132687	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
35) Dibromofluoromethane	7.57	113	102061	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.08	98	423935	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	162596	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.78%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	5375	5.366	ug/l	97
18) Methyl Acetate	4.30	43	2164	0.768	ug/l #	54
20) Methylene Chloride	4.53	84	2669	1.083	ug/l	93
25) 2-Butanone	6.78	43	1458	0.900	ug/l #	50
31) Cyclohexane	7.64	56	4313	0.947	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15616	4.703	ug/l #	49
37) Ethyl Acetate	6.78	43	1458	0.406	ug/l #	64
38) Carbon Tetrachloride	7.64	117	19597	6.586	ug/l #	16
43) Isopropyl Acetate	8.14	43	65996	11.155	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1248	0.472	ug/l #	43
48) Methyl methacrylate	9.16	41	3302	1.254	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4783	1.421	ug/l	94
54) cis-1,3-Dichloropropene	9.89	75	28290	6.757	ug/l #	60
56) Ethyl methacrylate	10.53	69	779	0.215	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4314	1.068	ug/l #	42
59) 2-Hexanone	10.75	43	68162	28.106	ug/l #	52
71) Bromoform	12.38	173	48	1.704	ug/l #	29
74) N-amyl acetate	12.02	43	2639	0.511	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	80724	25.108	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8195	0.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	80724	64.486	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

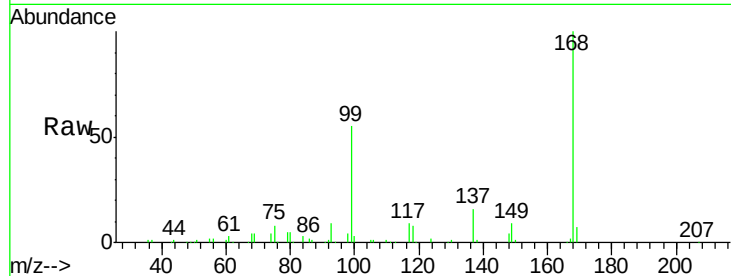
PB127814ZHE#10

Tgt Ion:168 Resp: 205991

Ion Ratio Lower Upper

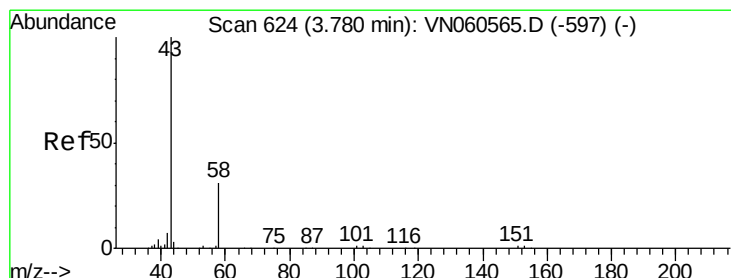
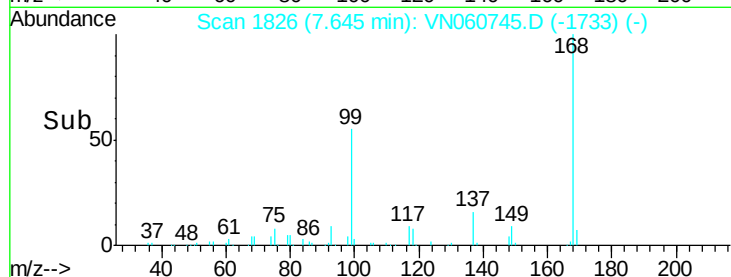
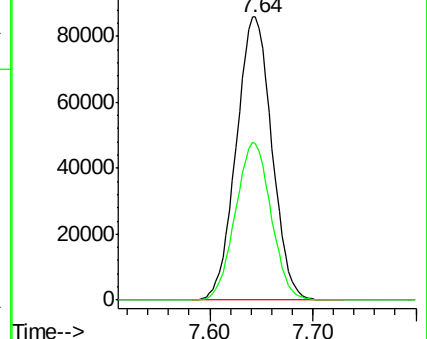
168 100

99 55.3 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: 5.366 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060745.D

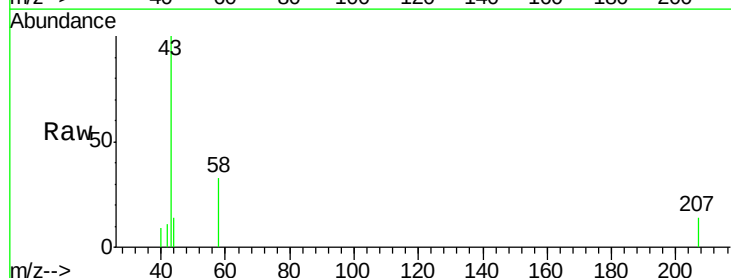
Acq: 27 Mar 2020 16:24

Tgt Ion: 43 Resp: 5375

Ion Ratio Lower Upper

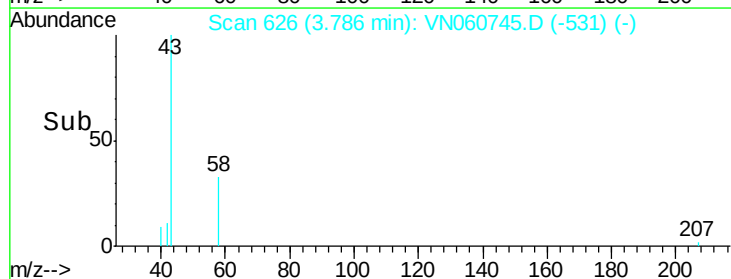
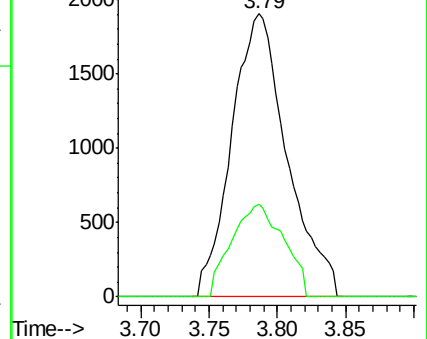
43 100

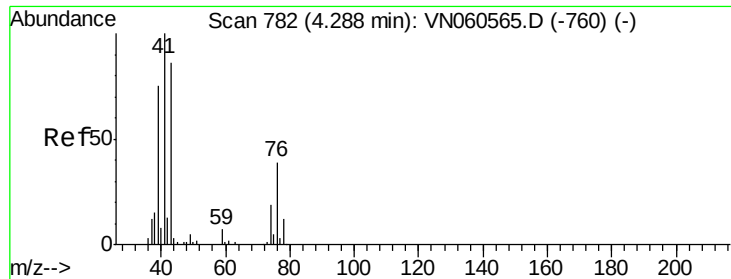
58 32.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

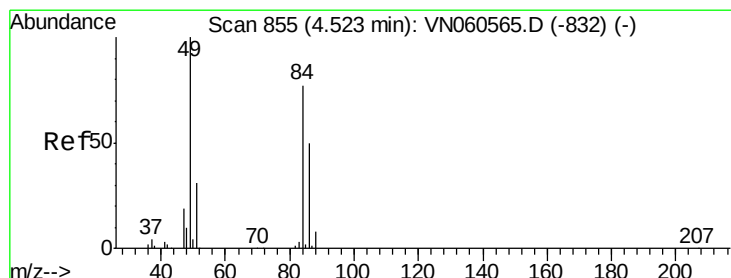
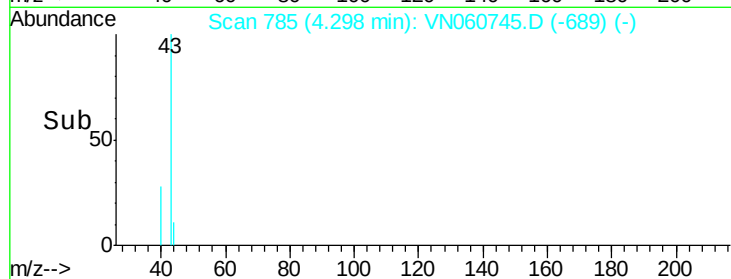
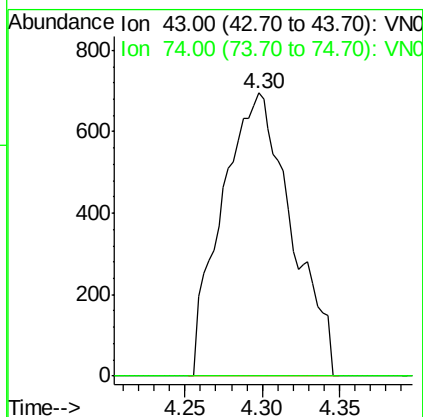
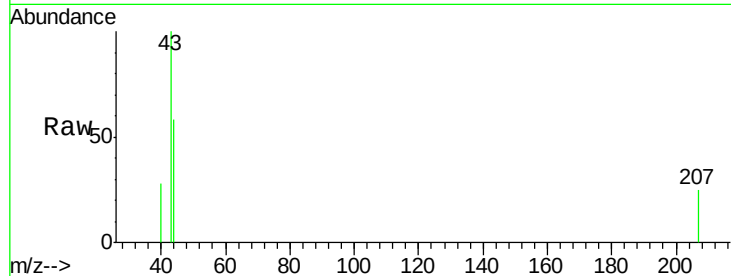




#18
Methyl Acetate
Concen: 0.768 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

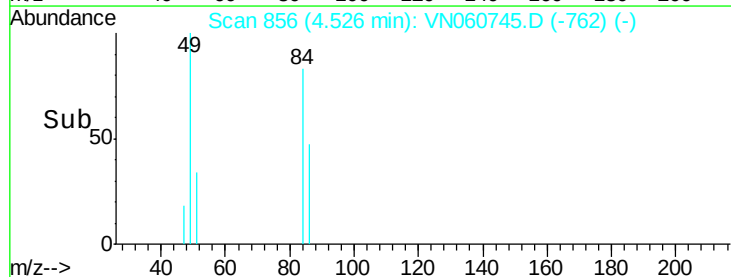
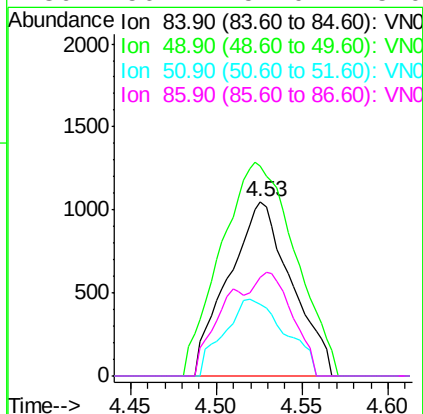
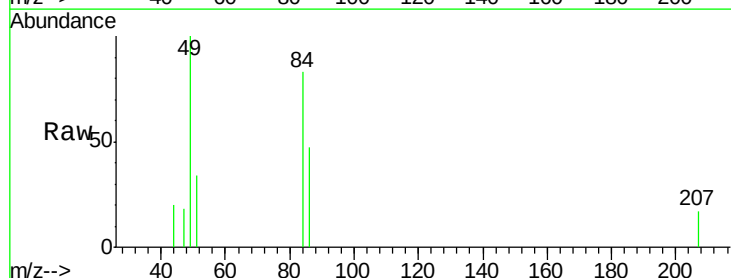
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#10

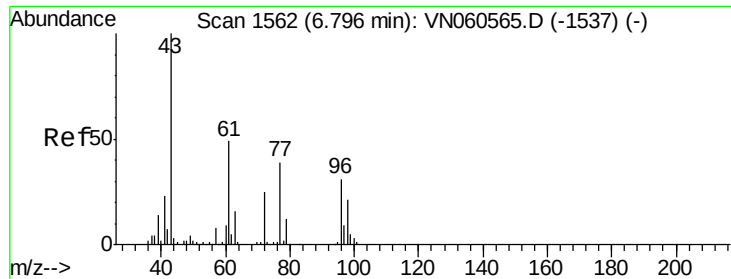
Tgt Ion: 43 Resp: 2164
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

Tgt Ion: 84 Resp: 2669
Ion Ratio Lower Upper
84 100
49 120.6 103.3 154.9
51 40.8 31.6 47.4
86 56.7 52.0 78.0





#25

2-Butanone

Concen: 0.900 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

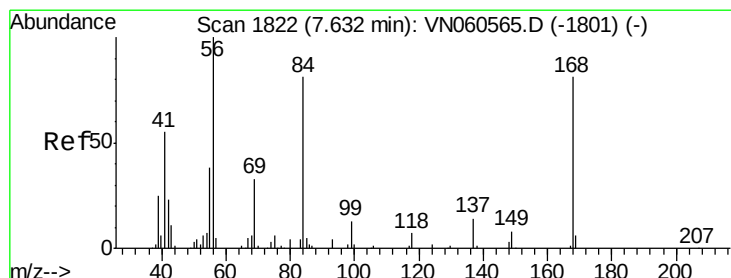
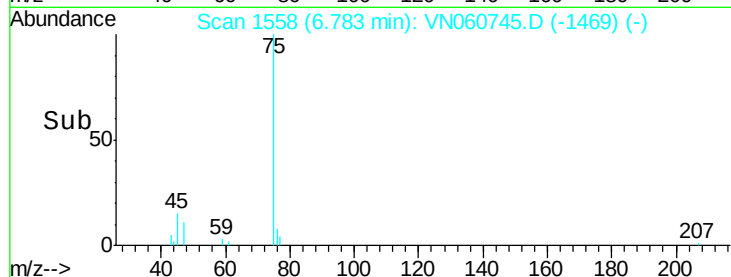
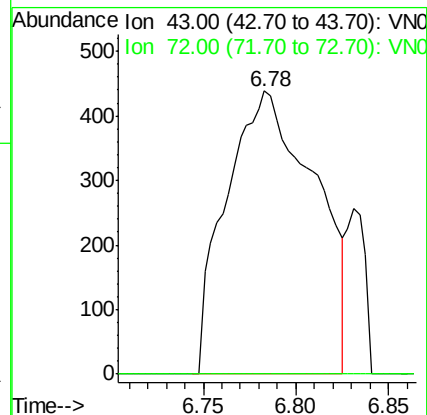
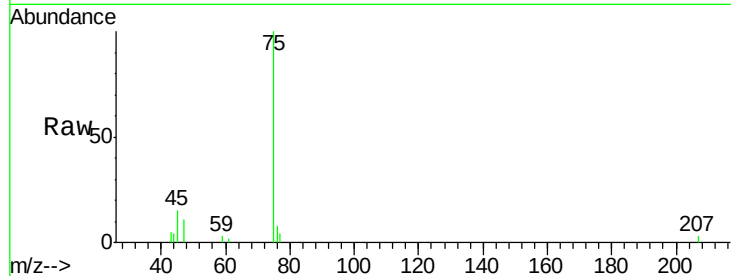
PB127814ZHE#10

Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 0.947 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

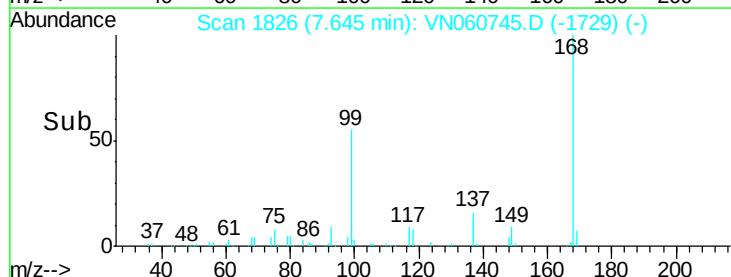
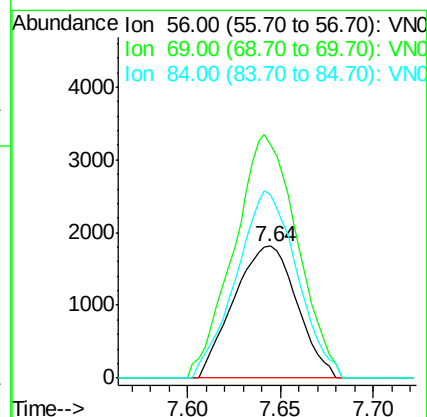
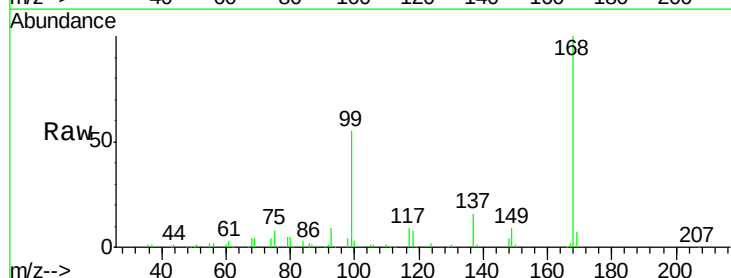
Tgt Ion: 56 Resp: 4313

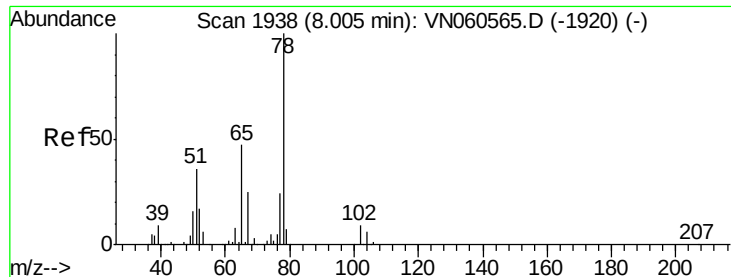
Ion Ratio Lower Upper

56 100

69 177.3 26.6 40.0#

84 138.9 64.3 96.5#

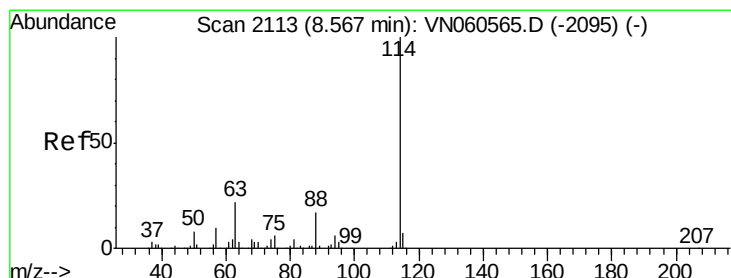
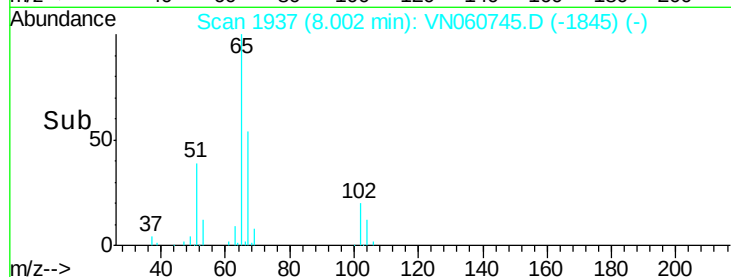
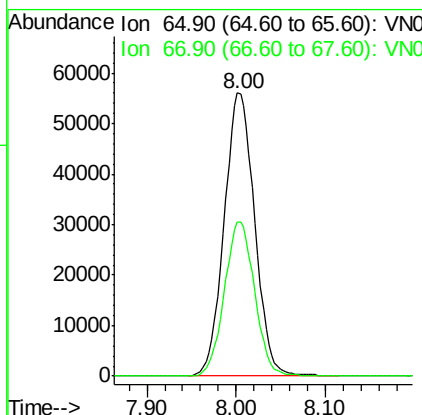
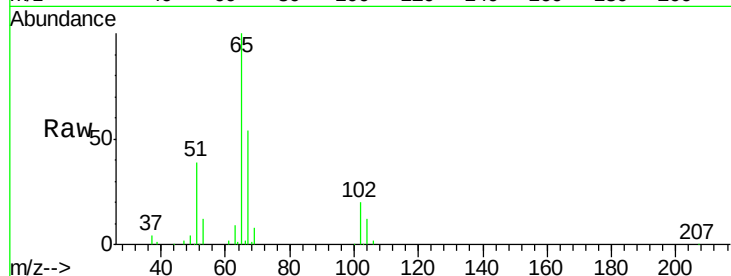




#33
 1,2-Dichloroethane-d4
 Concen: 46.923 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

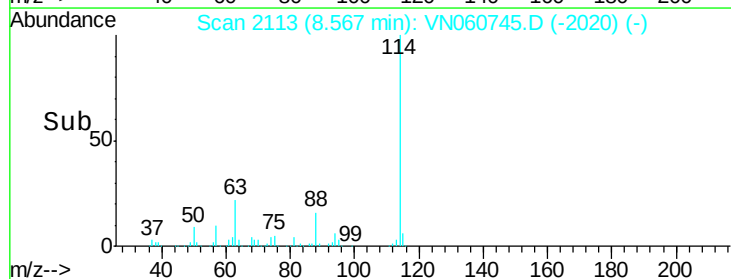
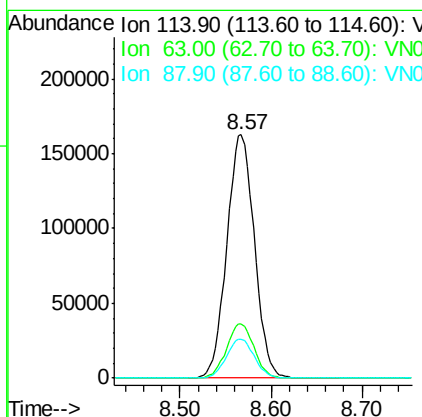
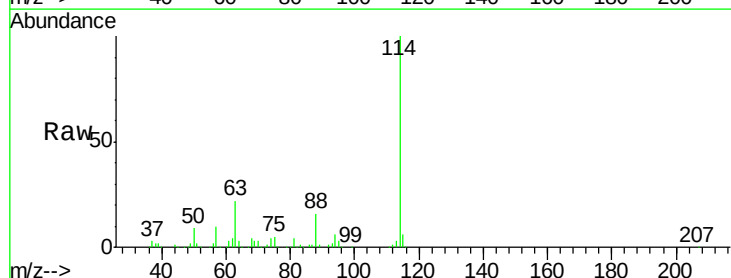
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#10

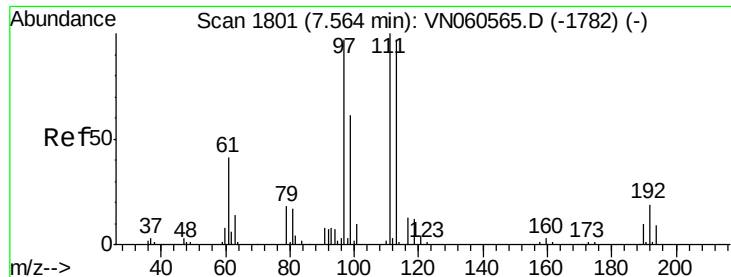
Tgt Ion: 65 Resp: 132687
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

Tgt Ion: 114 Resp: 342878
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.0 0.0 33.0

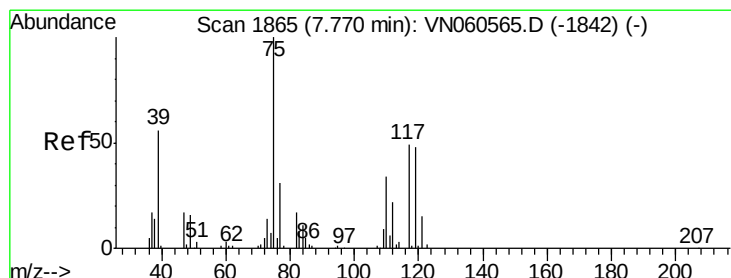
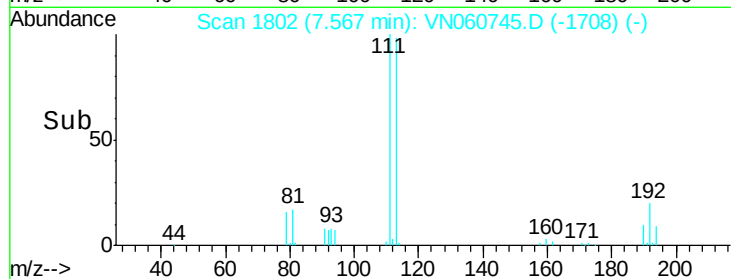
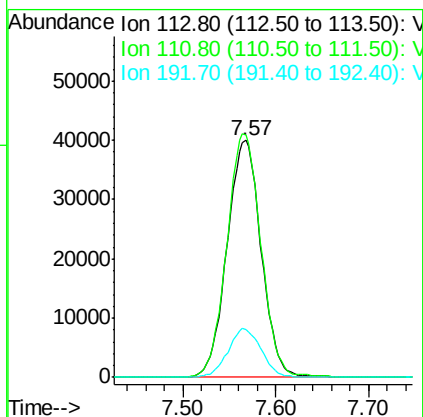
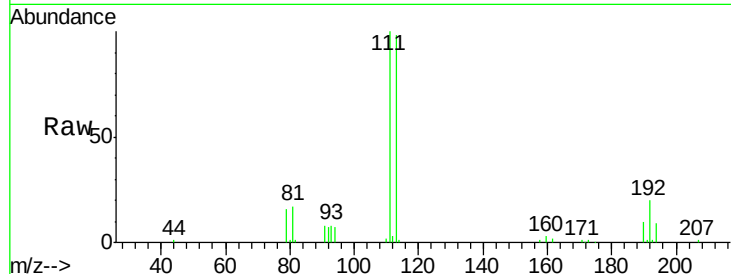




#35
 Dibromofluoromethane
 Concen: 49.227 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

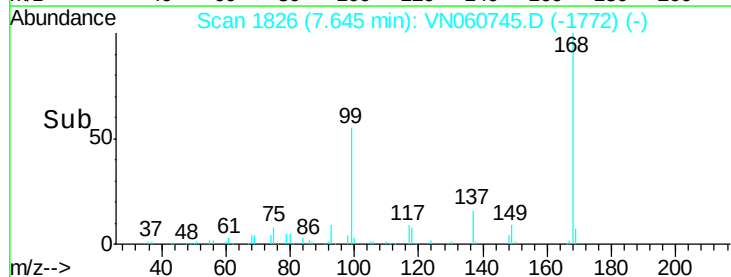
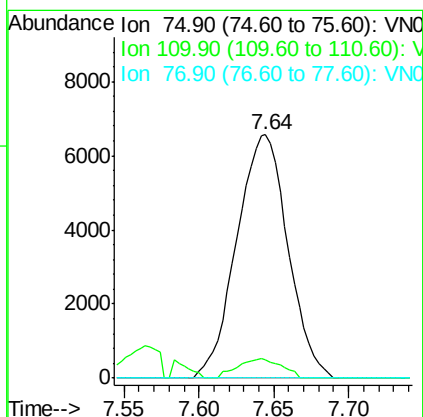
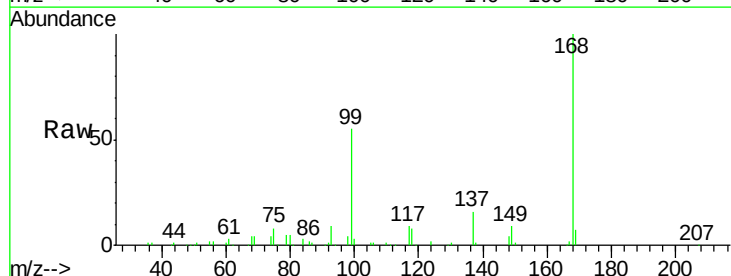
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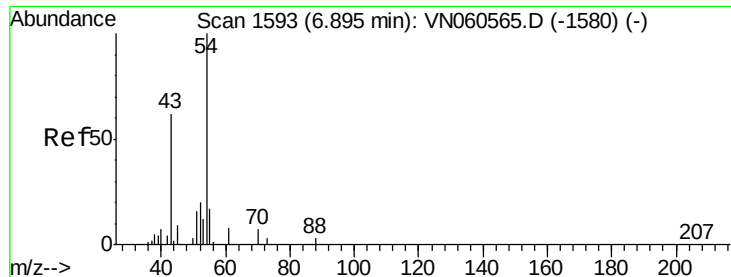
Tgt Ion:113 Resp: 102061
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

Tgt Ion: 75 Resp: 15616
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.9 50.6#
 77 0.0 24.6 36.8#

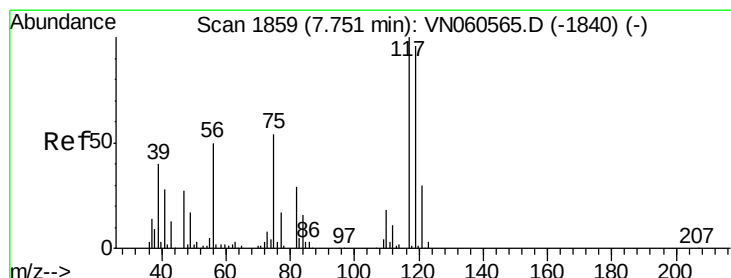
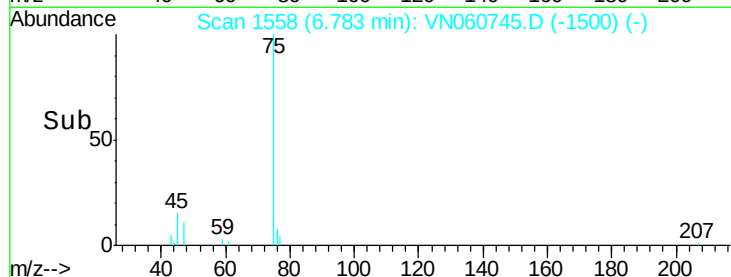
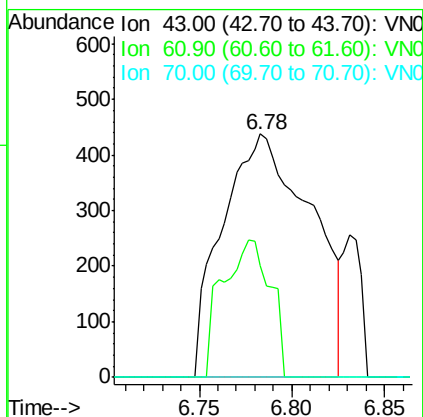
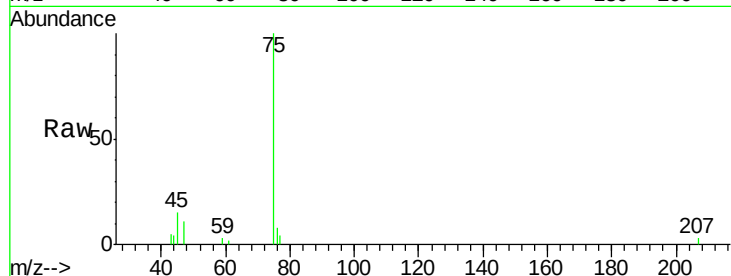




#37
Ethyl Acetate
 Concen: 0.406 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.11 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

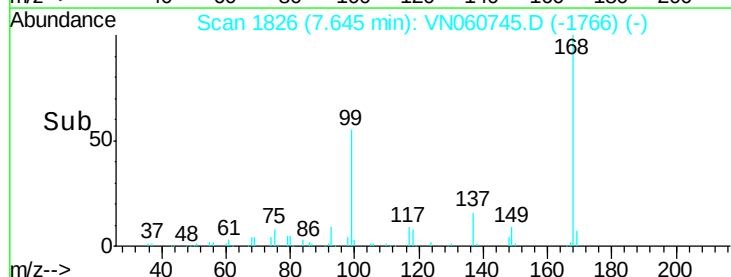
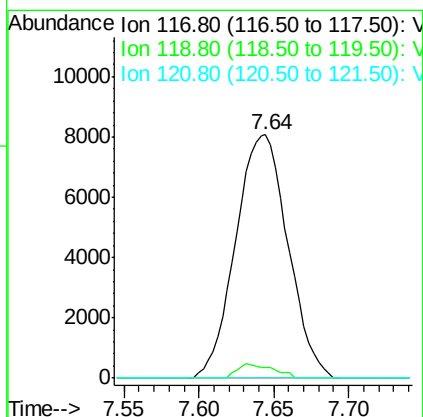
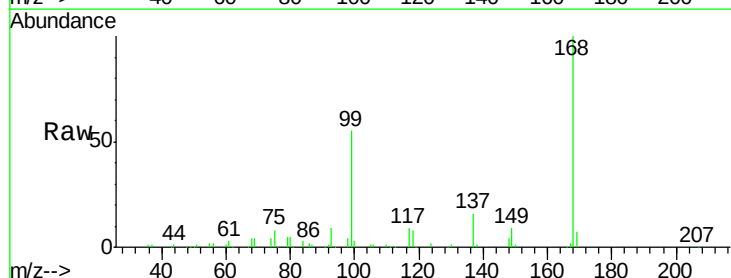
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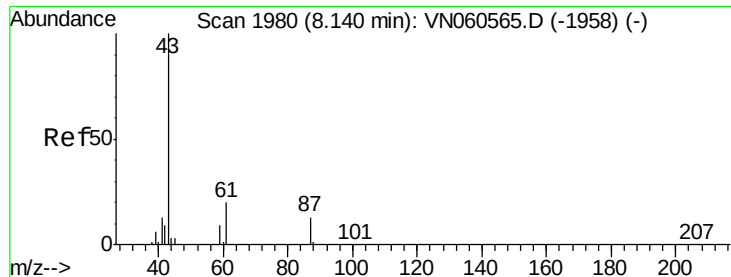
Tgt Ion: 43 Resp: 1458
 Ion Ratio Lower Upper
 43 100
 61 30.2 10.6 15.8#
 70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
 Concen: 6.586 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

Tgt Ion: 117 Resp: 19597
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 11.155 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#10

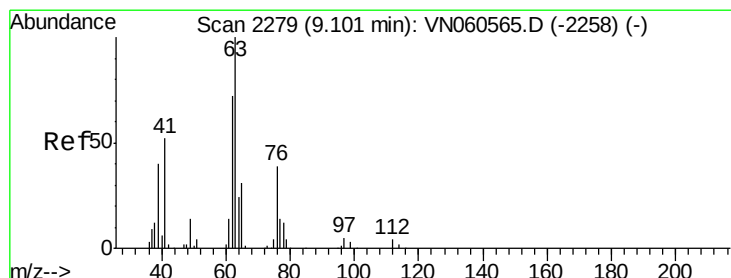
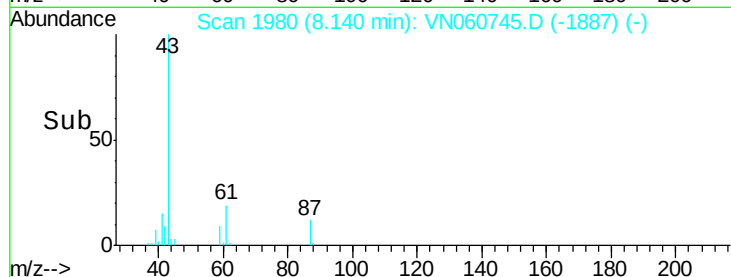
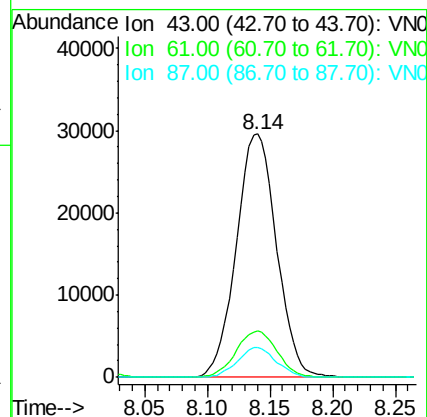
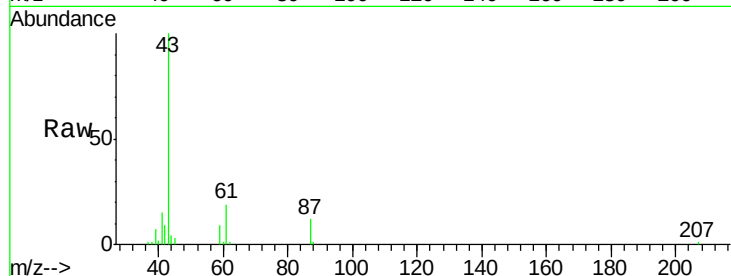
Tgt Ion: 43 Resp: 65996

Ion Ratio Lower Upper

43 100

61 19.4 20.7 31.1#

87 11.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.472 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060745.D

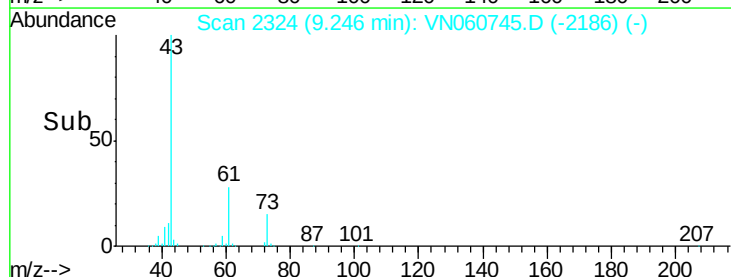
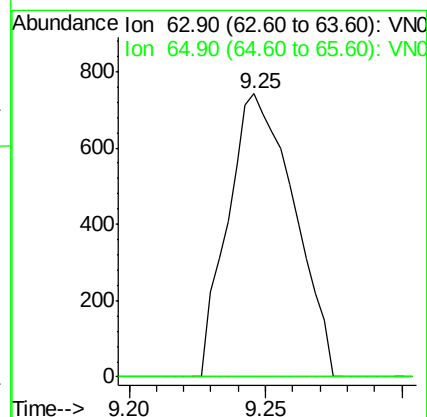
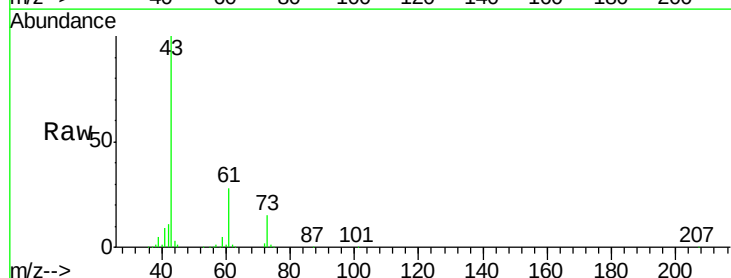
Acq: 27 Mar 2020 16:24

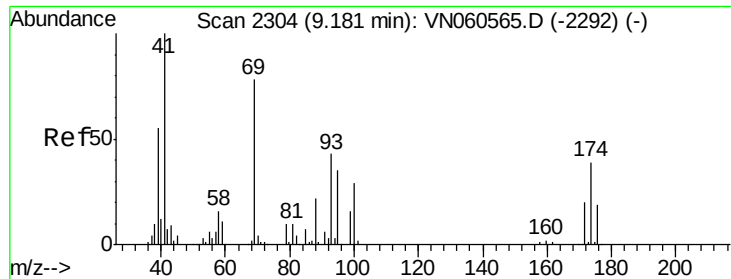
Tgt Ion: 63 Resp: 1248

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

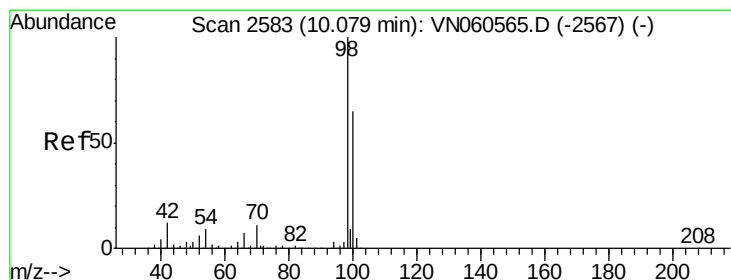
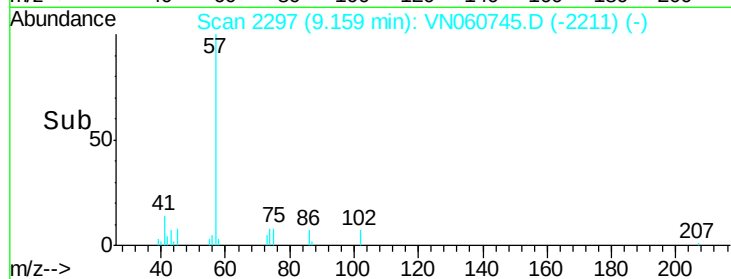
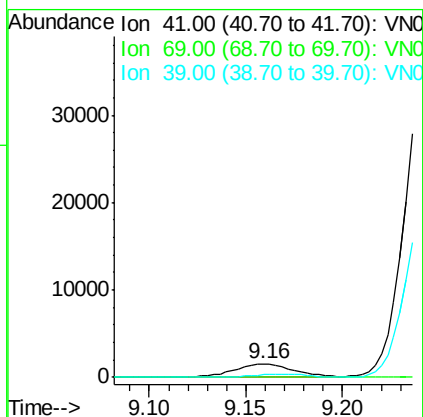
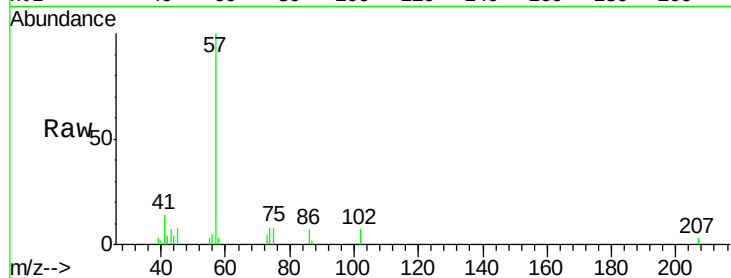




#48
Methyl methacrylate
Concen: 1.254 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

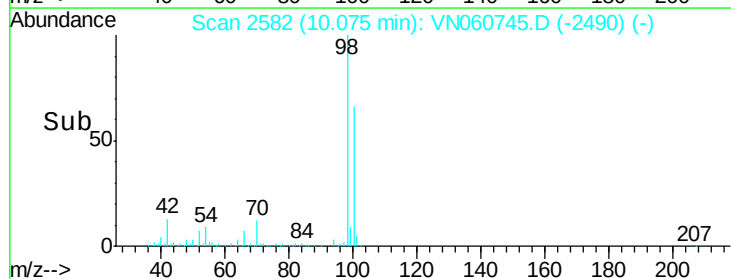
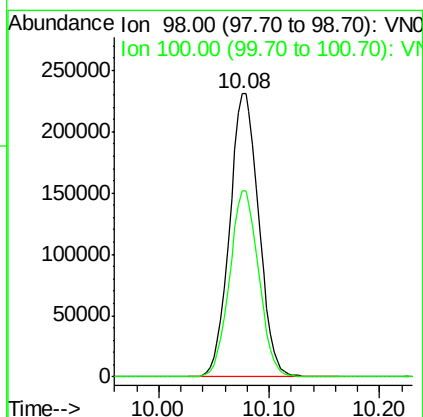
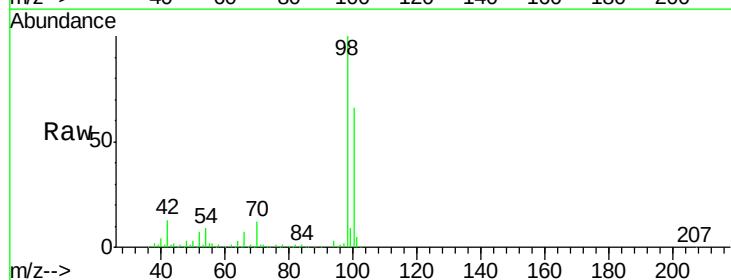
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#10

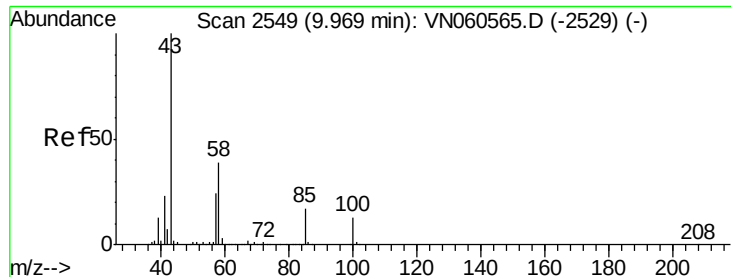
Tgt Ion: 41 Resp: 3302
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.060 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

Tgt Ion: 98 Resp: 423935
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8

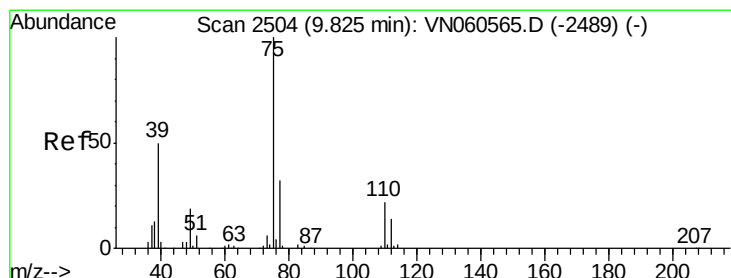
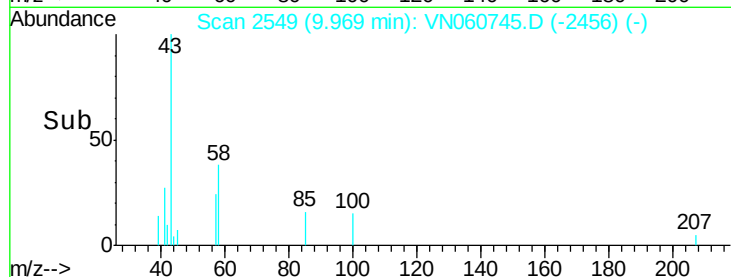
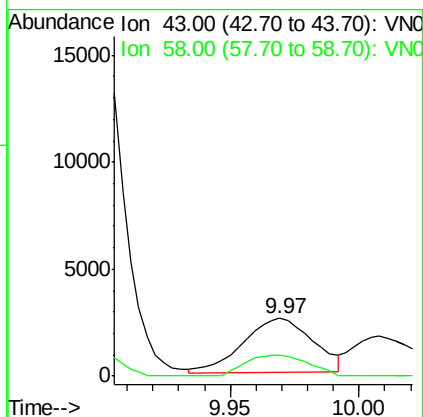
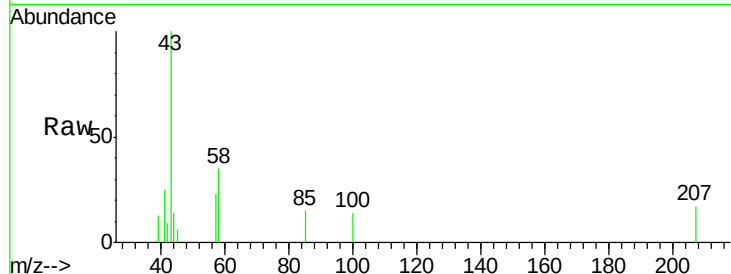




#51
 4-Methyl-2-Pentanone
 Concen: 1.421 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

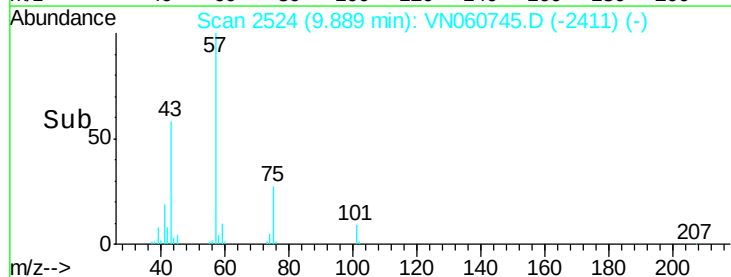
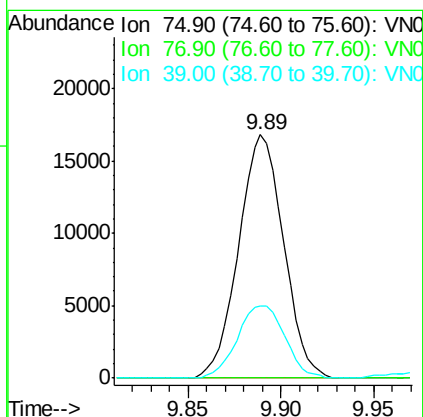
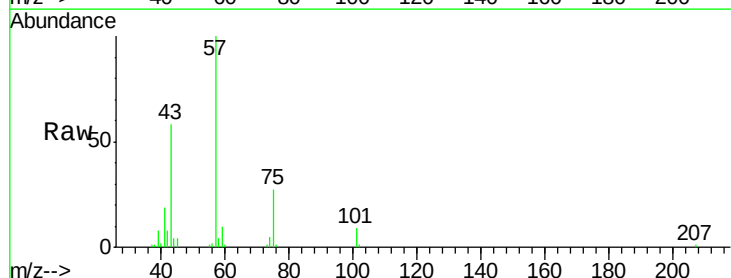
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#10

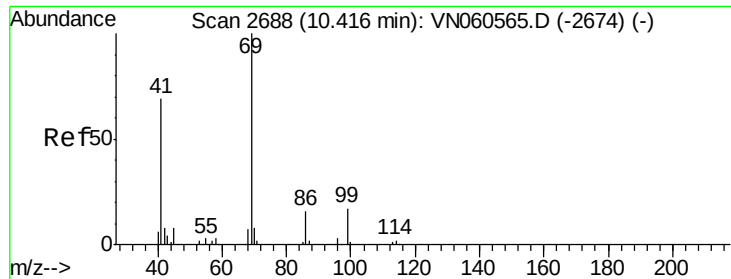
Tgt Ion: 43 Resp: 4783
 Ion Ratio Lower Upper
 43 100
 58 34.9 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.757 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060745.D
 Acq: 27 Mar 2020 16:24

Tgt Ion: 75 Resp: 28290
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 29.8 40.2 60.4#





#56

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#10

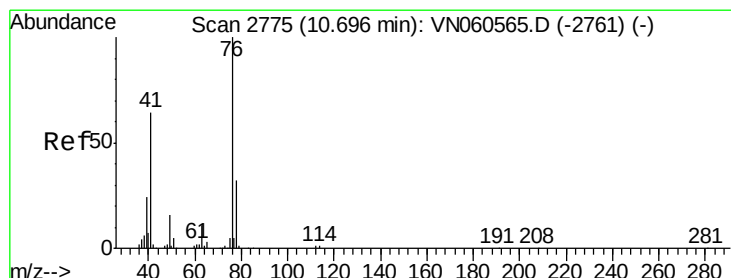
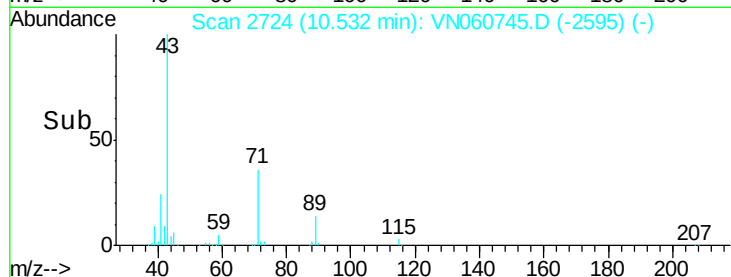
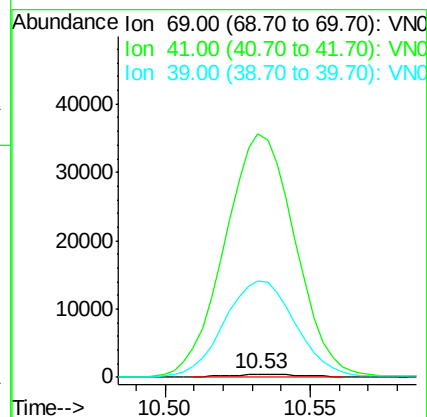
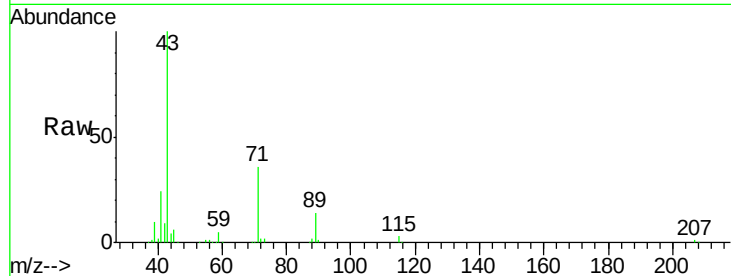
Tgt Ion: 69 Resp: 779

Ion Ratio Lower Upper

69 100

41 7770.7 55.4 83.2#

39 3128.8 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.068 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060745.D

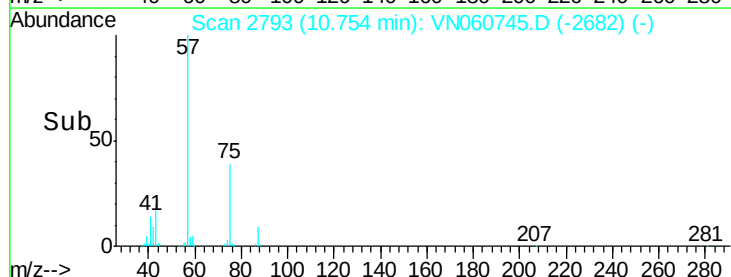
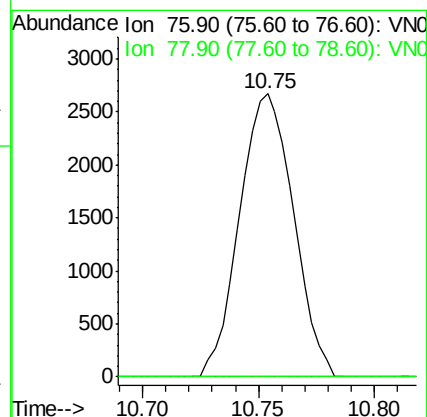
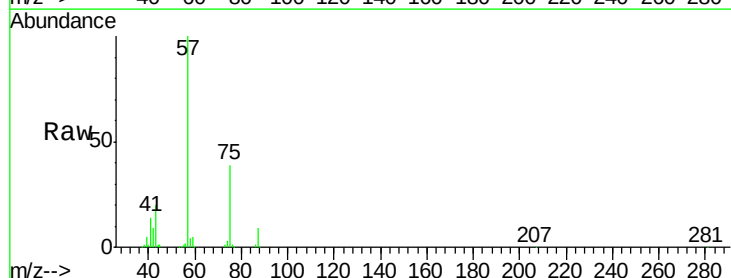
Acq: 27 Mar 2020 16:24

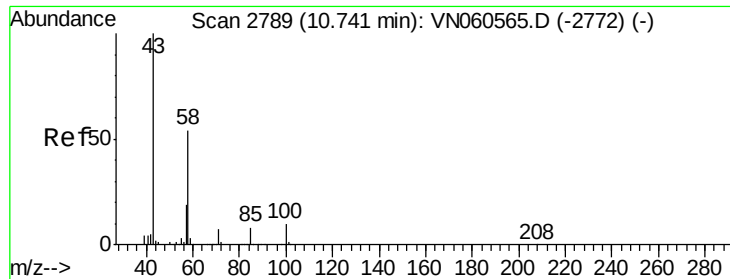
Tgt Ion: 76 Resp: 4314

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

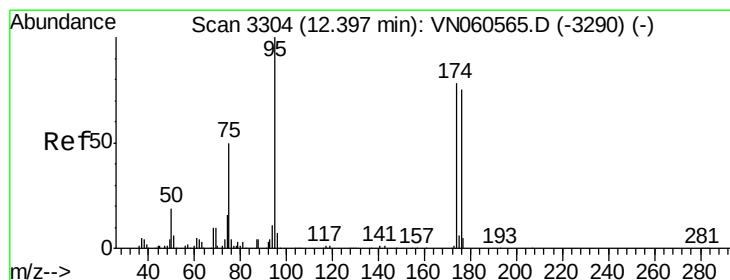
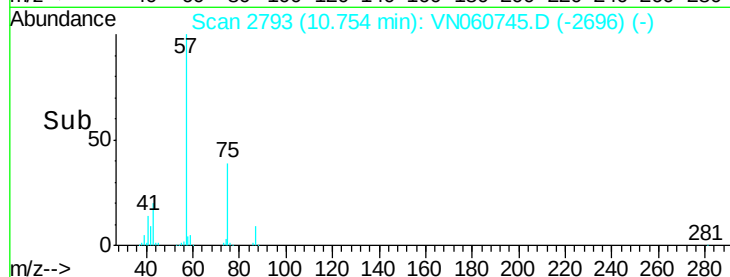
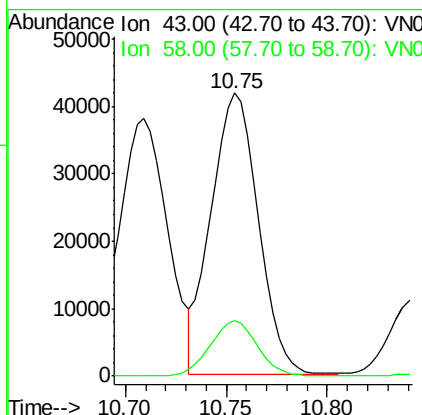
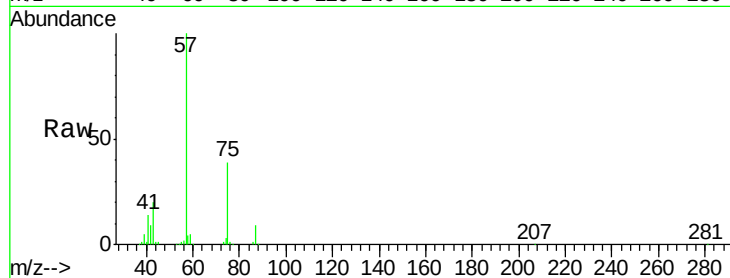




#59
2-Hexanone
Concen: 28.106 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

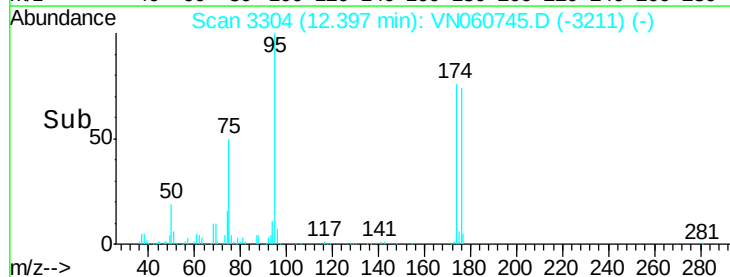
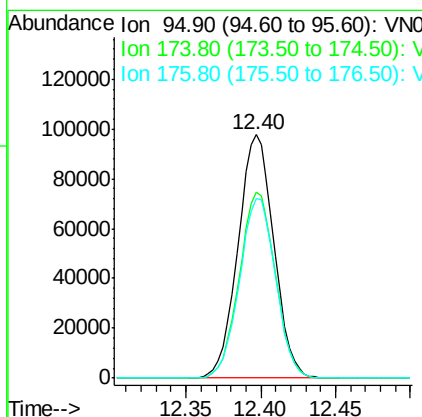
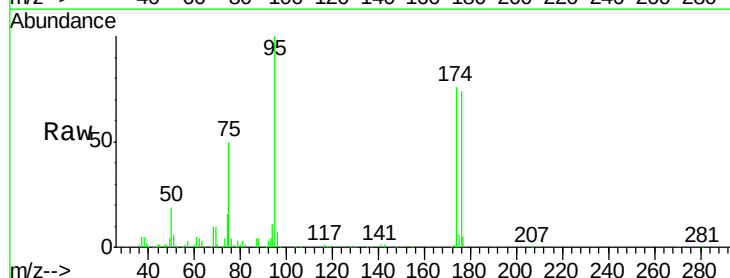
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#10

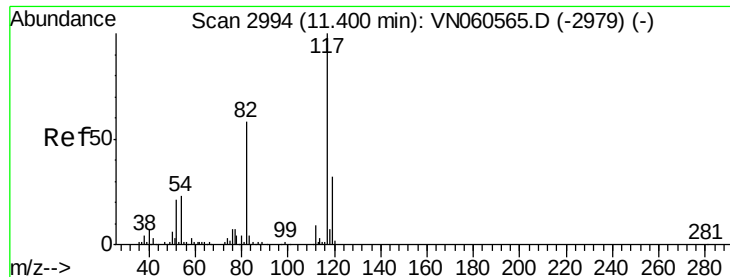
Tgt Ion: 43 Resp: 68162
Ion Ratio Lower Upper
43 100
58 19.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 52.390 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

Tgt Ion: 95 Resp: 162596
Ion Ratio Lower Upper
95 100
174 76.8 0.0 157.6
176 74.5 0.0 150.6

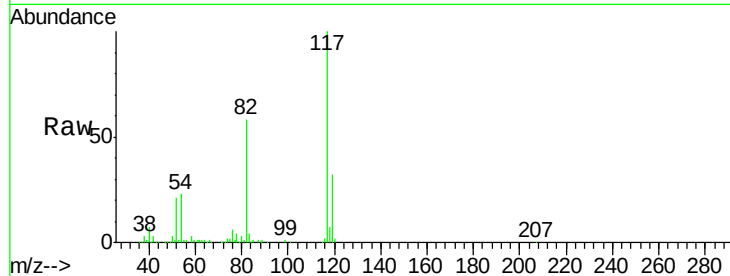




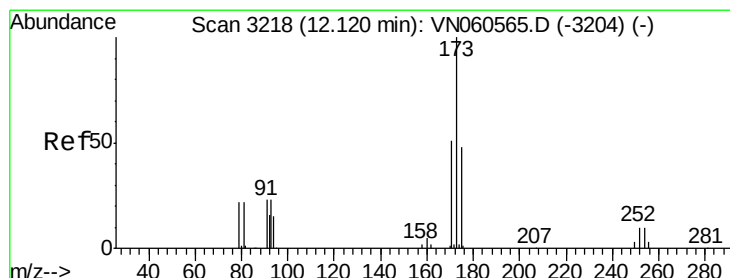
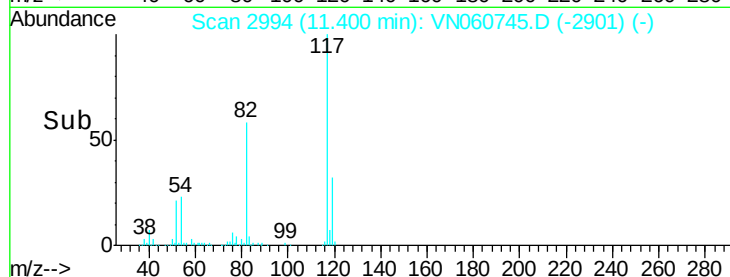
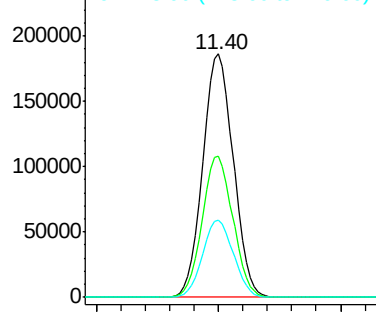
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#10

Tgt Ion:117 Resp: 324222
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 31.9 25.5 38.3

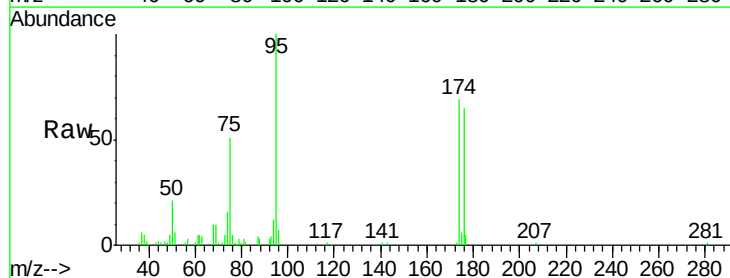


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

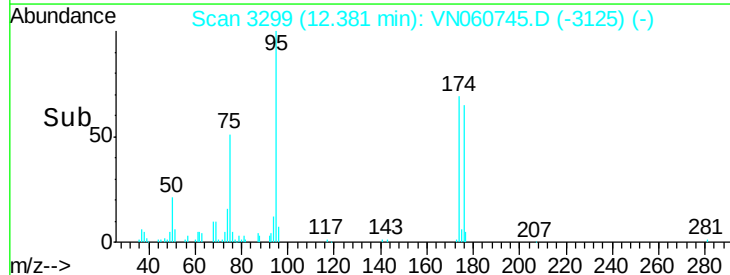
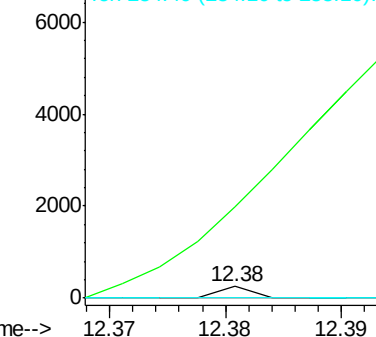


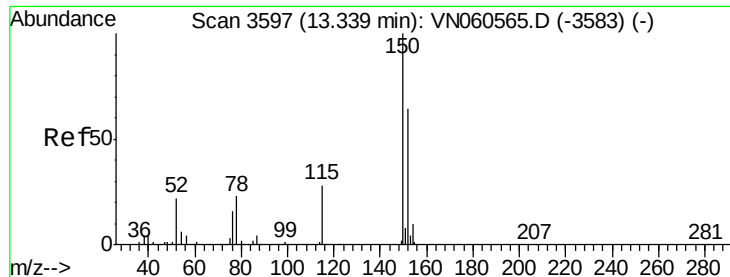
#71
Bromoform
Concen: 1.704 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060745.D
Acq: 27 Mar 2020 16:24

Tgt Ion:173 Resp: 48
Ion Ratio Lower Upper
173 100
175 0.0 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: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#10

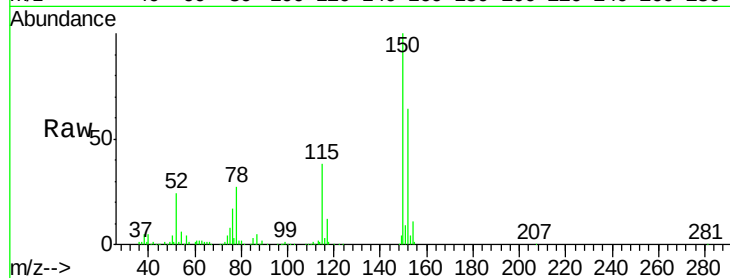
Tgt Ion:152 Resp: 148996

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

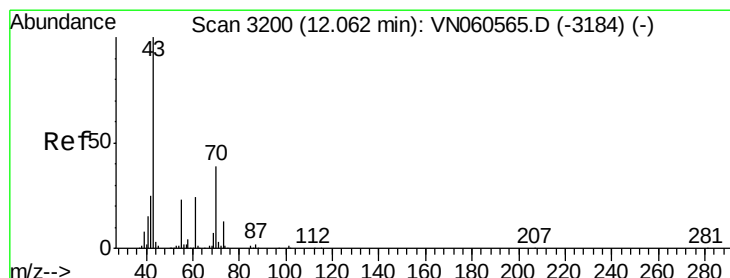
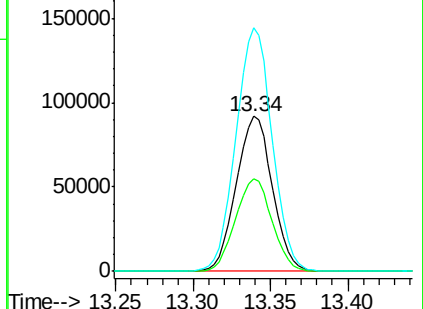
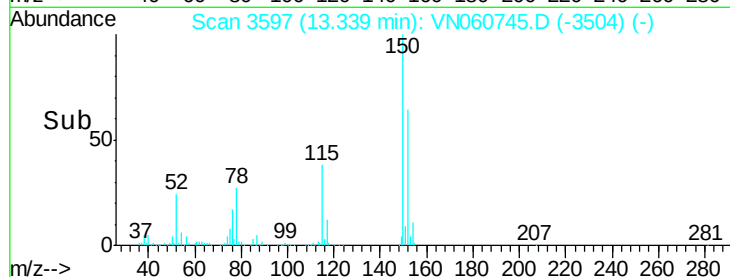
150 157.6 0.0 350.2



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: 0.511 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Tgt Ion: 43 Resp: 2639

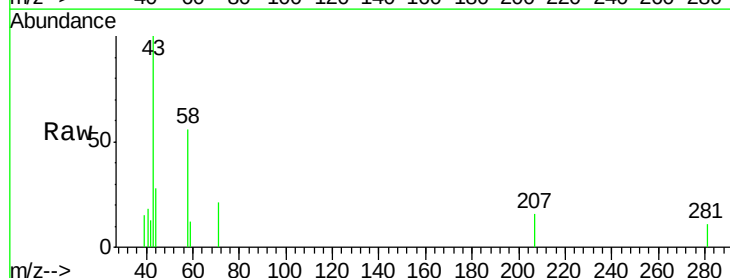
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

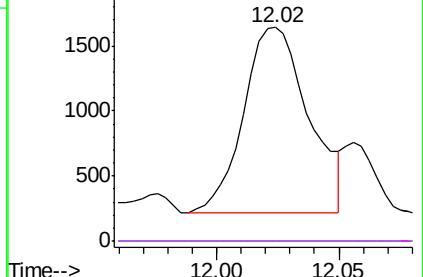
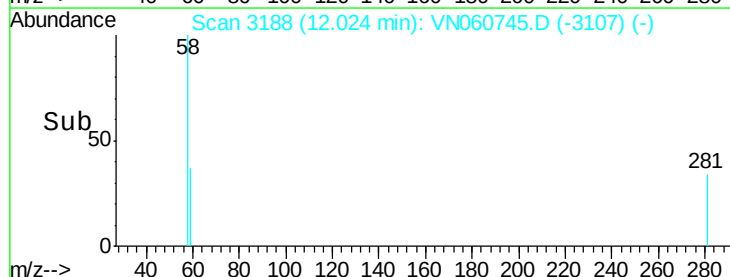


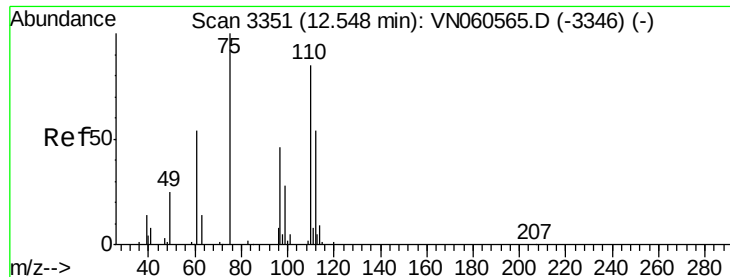
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.108 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

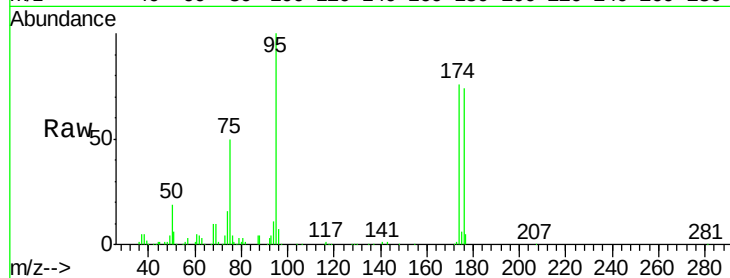
PB127814ZHE#10

Tgt Ion: 75 Resp: 80724

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060745.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060745.D (-3304) (-)

12.40

50000

40000

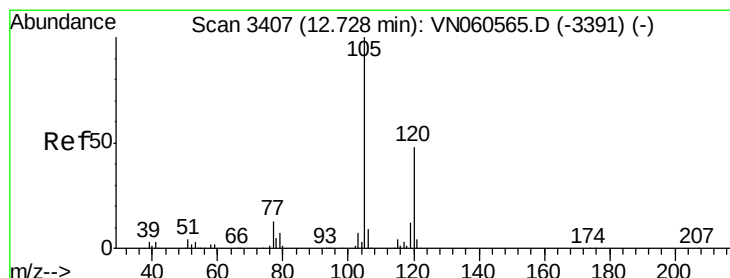
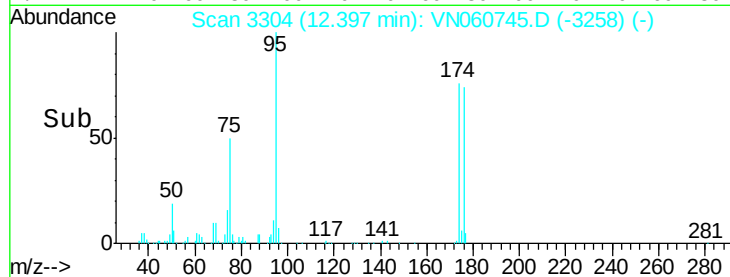
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.864 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060745.D

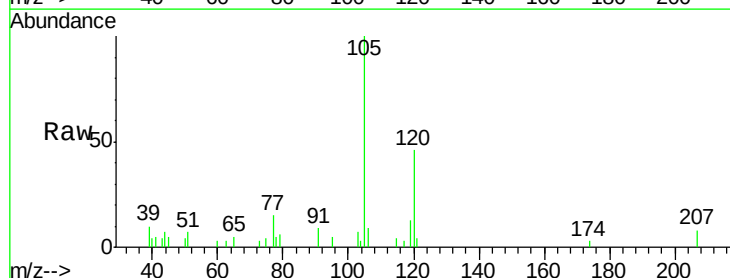
Acq: 27 Mar 2020 16:24

Tgt Ion: 105 Resp: 8195

Ion Ratio Lower Upper

105 100

120 48.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060745.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN060745.D (-3407) (-)

12.73

6000

5000

4000

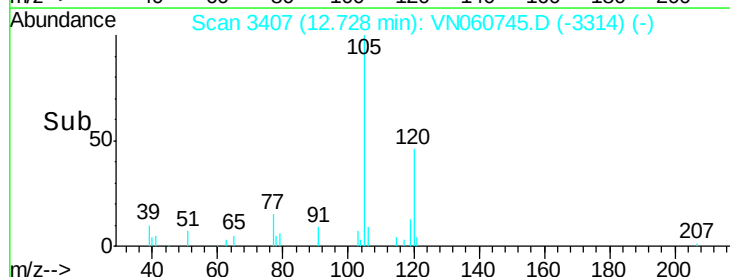
3000

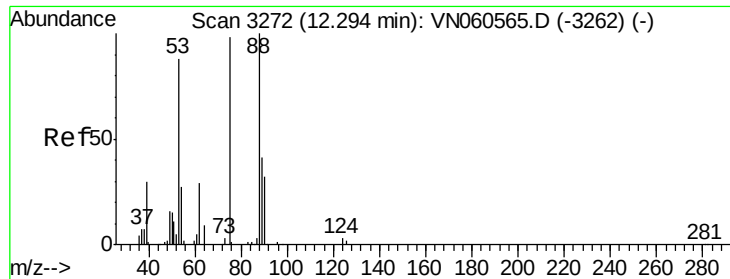
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.486 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060745.D

Acq: 27 Mar 2020 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#10

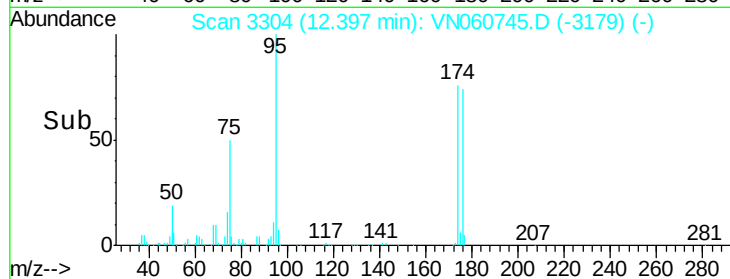
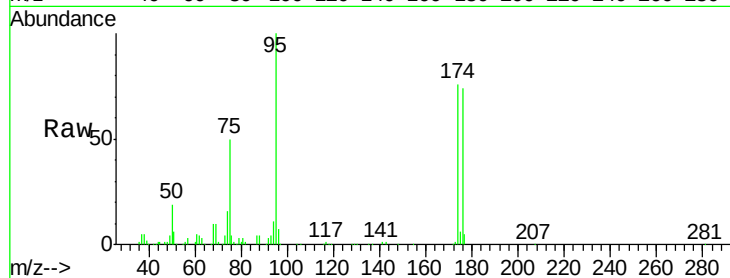
Tgt Ion: 75 Resp: 80724

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

