

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060533.D
 Acq On : 16 Mar 2020 19:00
 Operator : JC/MD
 Sample : PB127541ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#06

Quant Time: Mar 17 08:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140248	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132010	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.57	113	100482	64.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.24%	
50) Toluene-d8	10.08	98	420405	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.40	95	153113	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

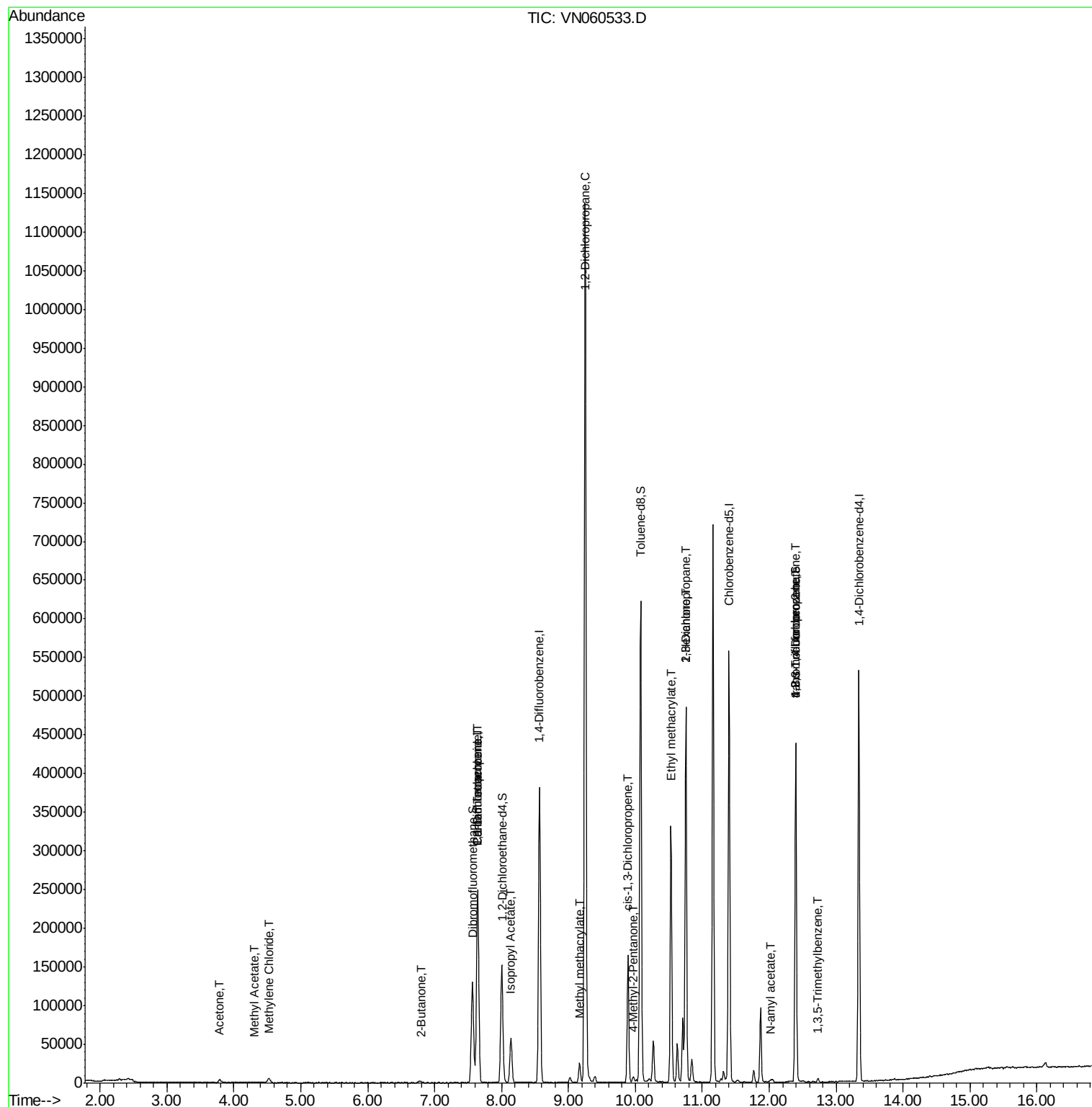
						Qvalue
16) Acetone	3.79	43	6974	8.163	ug/l	95
18) Methyl Acetate	4.30	43	2124	0.745	ug/l #	74
20) Methylene Chloride	4.52	84	4103	1.749	ug/l	95
25) 2-Butanone	6.80	43	609	0.441	ug/l #	49
31) Cyclohexane	7.64	56	4196	Below Cal	#	6
36) 1,1-Dichloropropene	7.64	75	15929	4.951	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19223	6.136	ug/l #	17
43) Isopropyl Acetate	8.14	43	70442	13.207	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1284	0.524	ug/l #	44
48) Methyl methacrylate	9.16	41	3507	1.442	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5197	1.719	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	29674	7.233	ug/l #	57
56) Ethyl methacrylate	10.53	69	688	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4917	1.274	ug/l #	42
59) 2-Hexanone	10.75	43	70142	31.590	ug/l #	52
74) N-amyl acetate	12.02	43	3457	0.761	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76640	24.907	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2963	0.339	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	76640	68.755	ug/l #	8

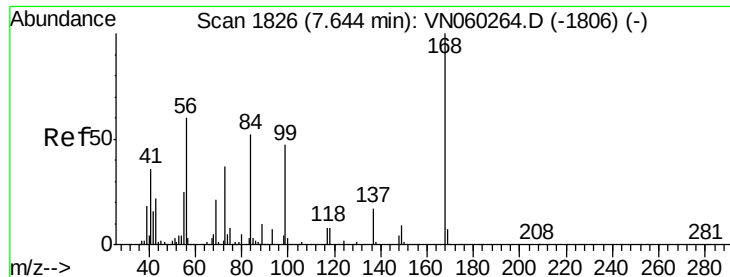
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

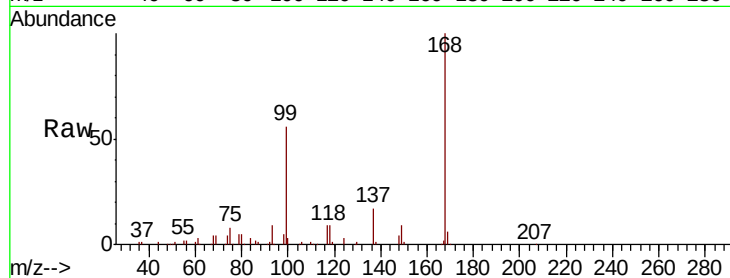
PB127541ZHE#06

Tot Ion:168 Resp: 206201

Ion Ratio Lower Upper

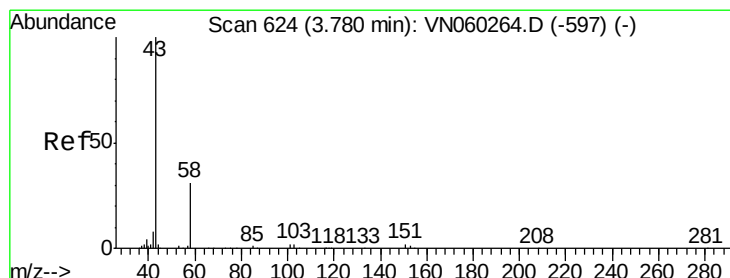
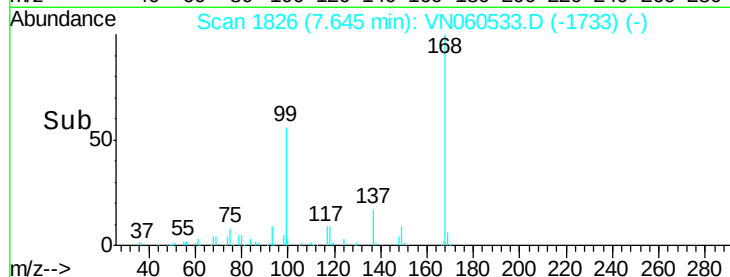
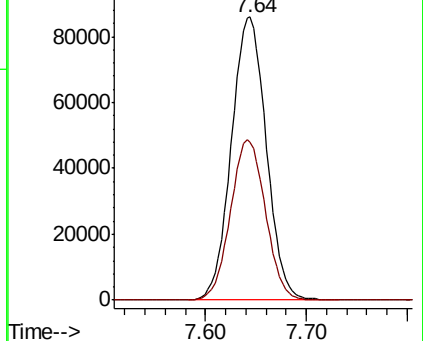
168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 8.163 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060533.D

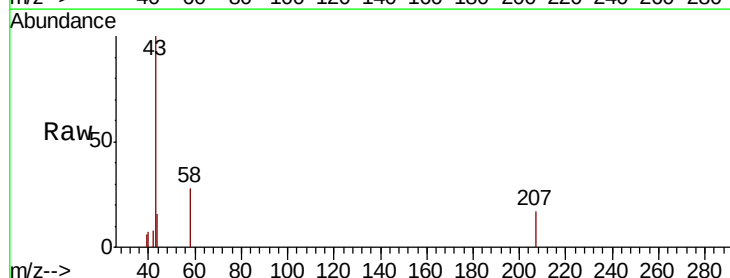
Acq: 16 Mar 2020 19:00

Tgt Ion: 43 Resp: 6974

Ion Ratio Lower Upper

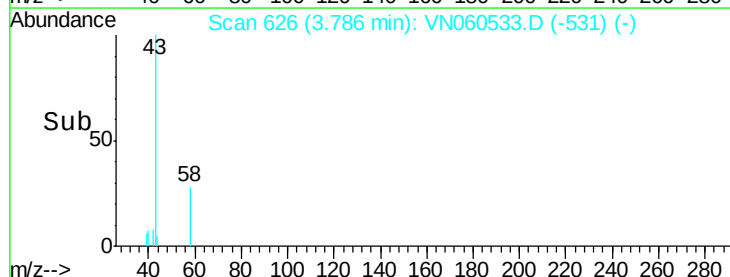
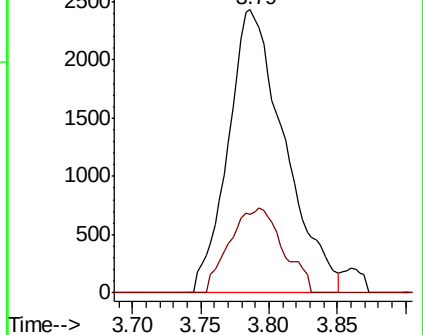
43 100

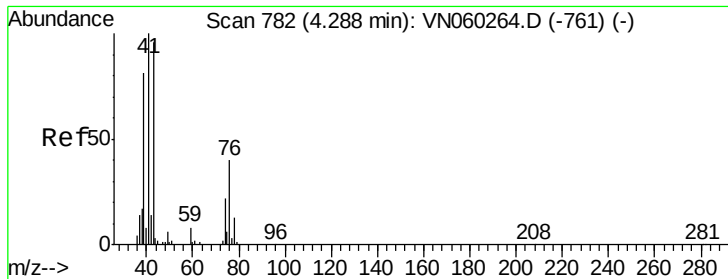
58 27.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

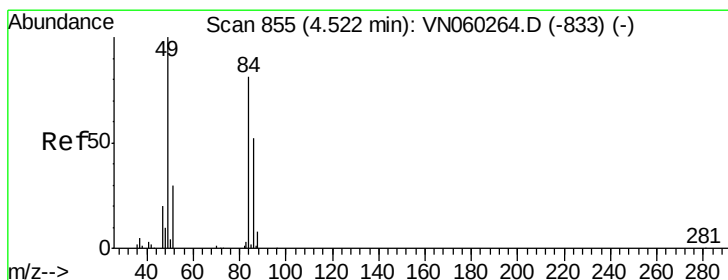
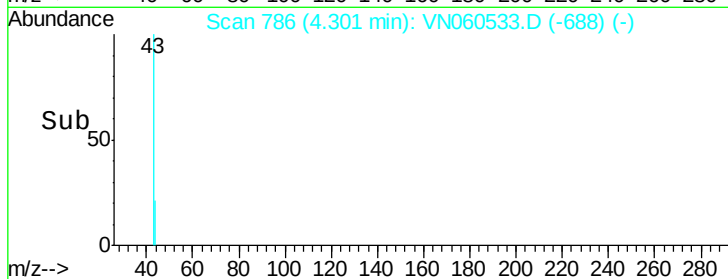
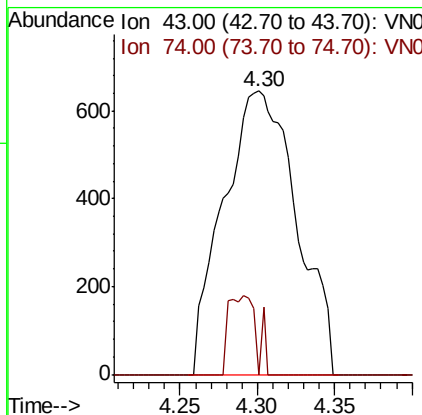
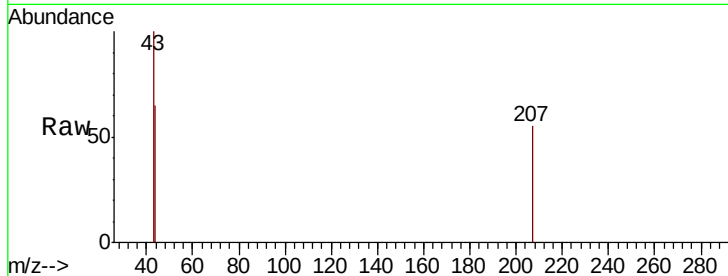




#18
Methvl Acetate
Concen: 0.745 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

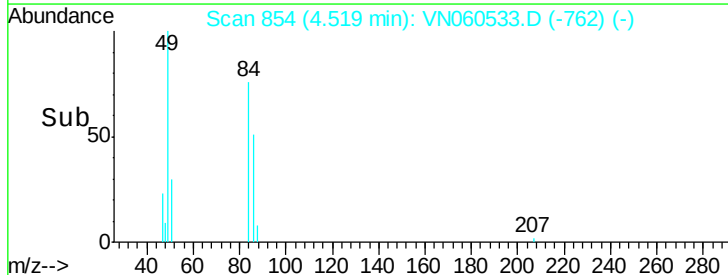
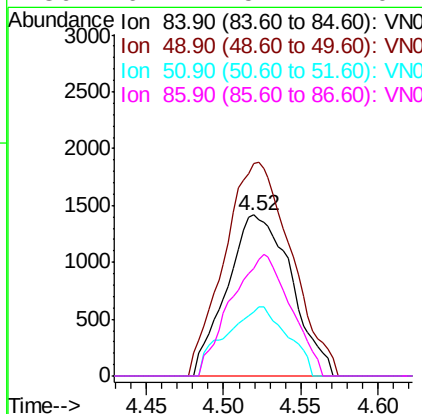
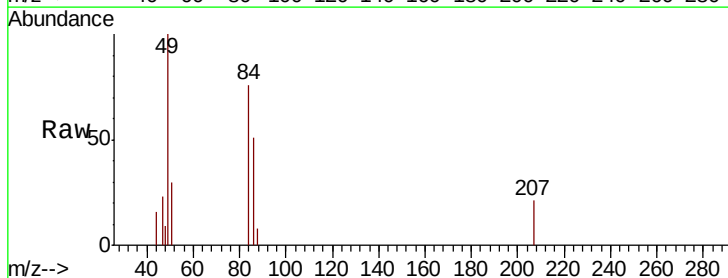
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#06

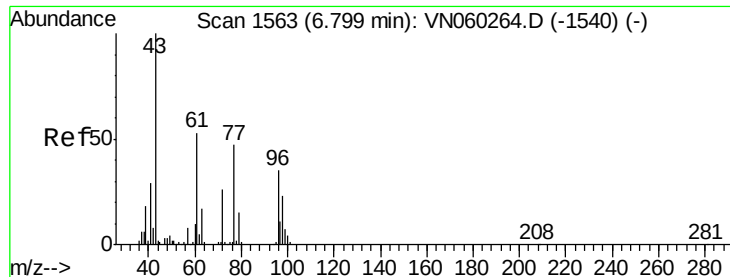
Tot Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
74 10.5 18.8 28.2#



#20
Methylene Chloride
Concen: 1.749 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Tgt Ion: 84 Resp: 4103
Ion Ratio Lower Upper
84 100
49 131.7 99.3 148.9
51 39.5 30.1 45.1
86 67.1 51.1 76.7





#25

2-Butanone

Concen: 0.441 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

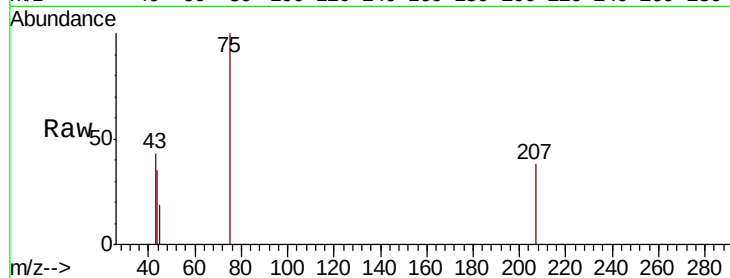
PB127541ZHE#06

Tot Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

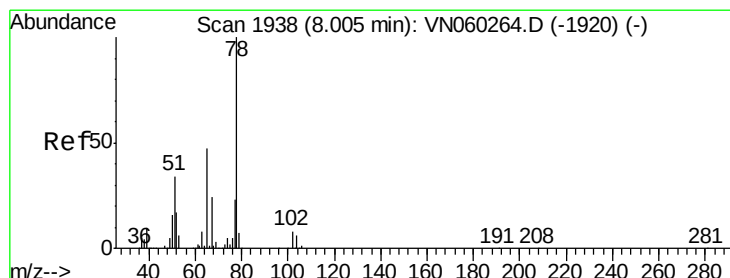
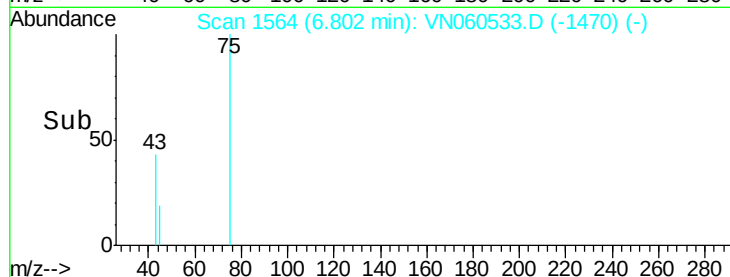
300

200

100

0

Time--> 6.76 6.78 6.80 6.82



#33

1,2-Dichloroethane-d4

Concen: 49.898 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060533.D

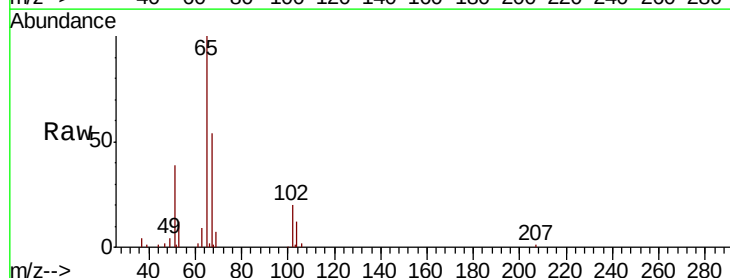
Acq: 16 Mar 2020 19:00

Tgt Ion: 65 Resp: 132010

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

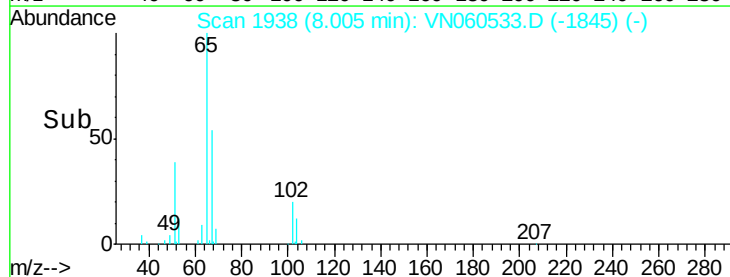
30000

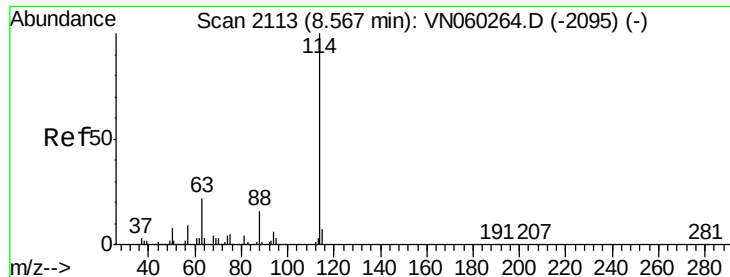
20000

10000

0

Time--> 7.90 8.00 8.10

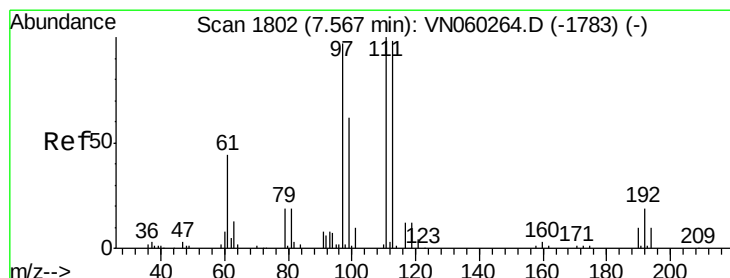
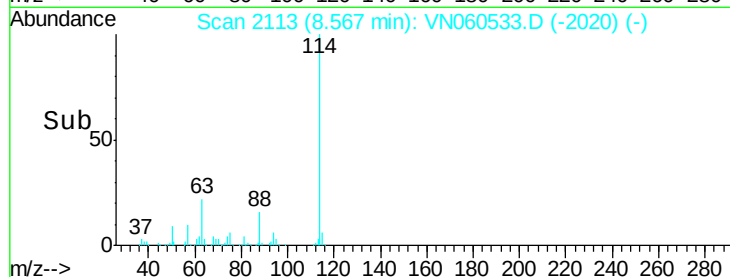
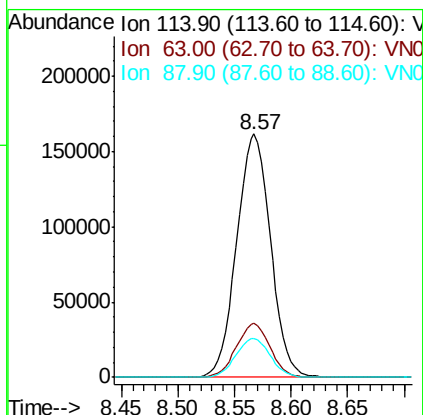
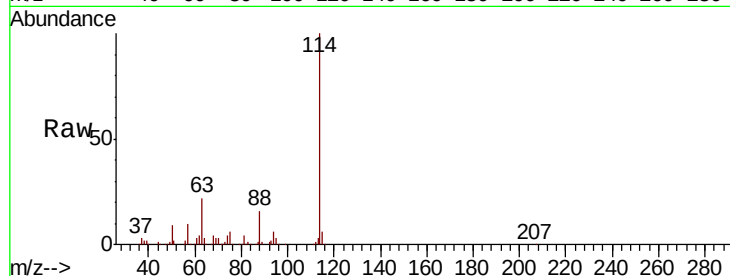




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060533.D
 Acq: 16 Mar 2020 19:00

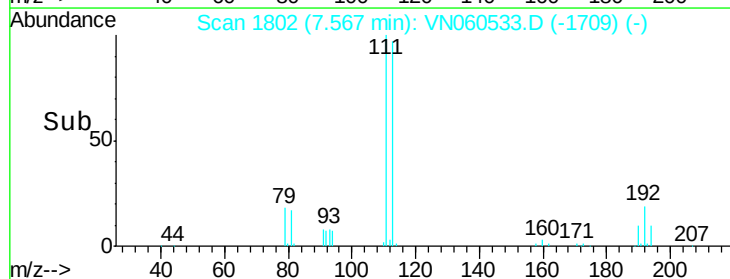
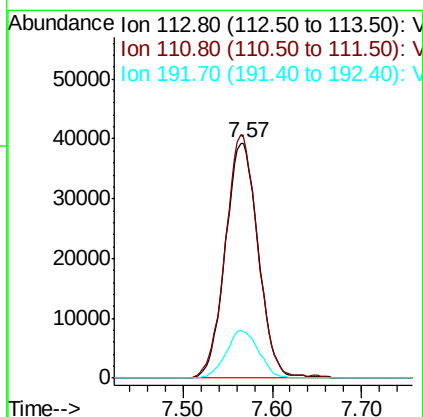
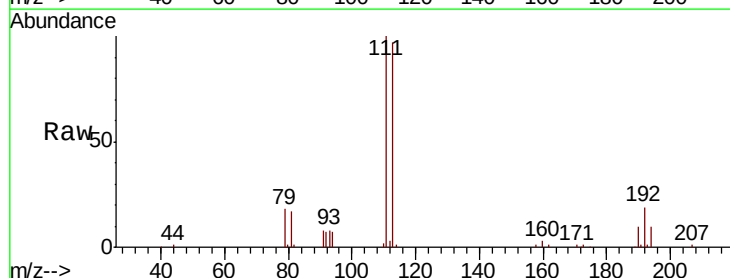
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#06

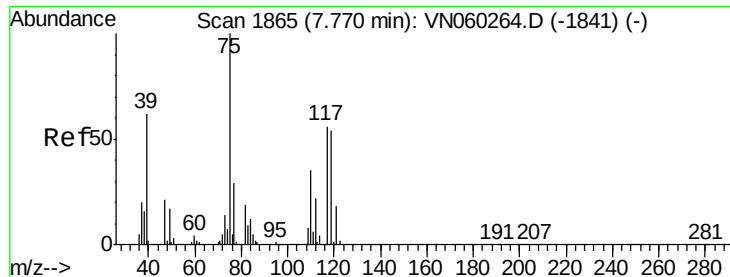
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	16.0	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 64.121 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060533.D
 Acq: 16 Mar 2020 19:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	20.0	16.2	24.2

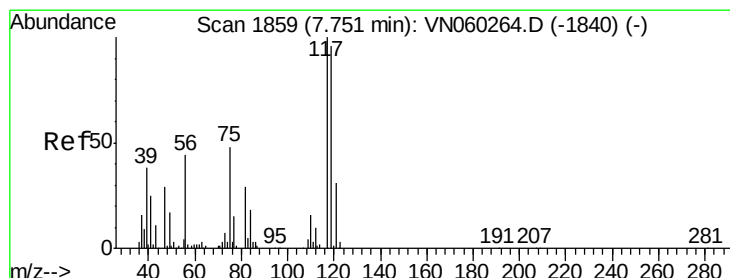
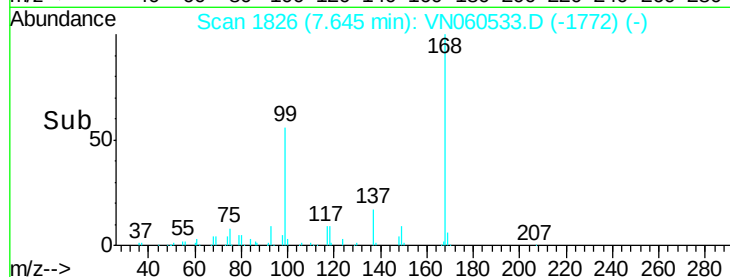
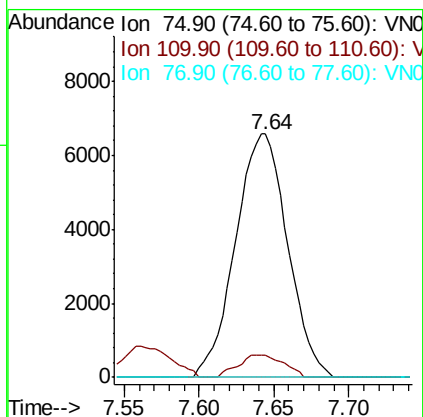
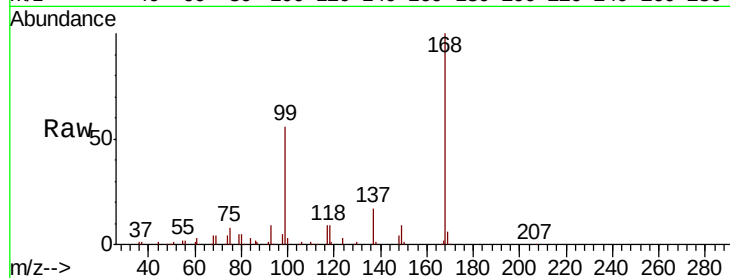




#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060533.D
 Acq: 16 Mar 2020 19:00

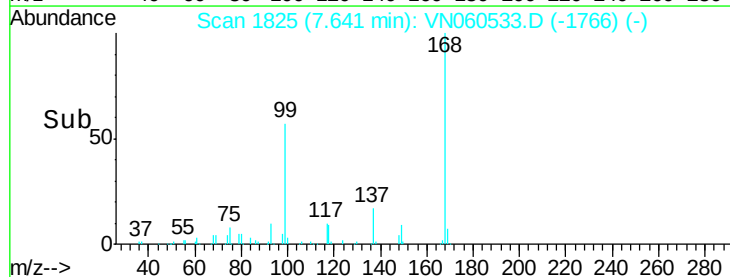
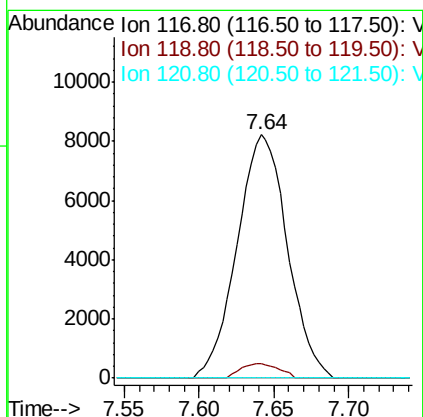
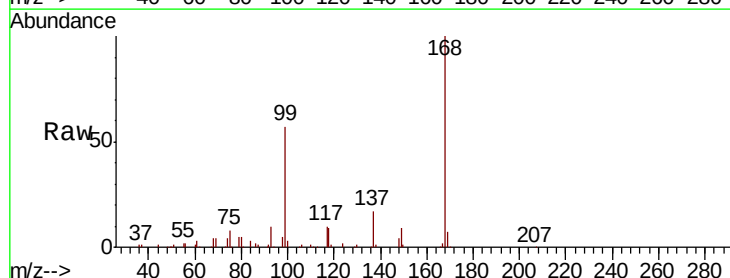
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#06

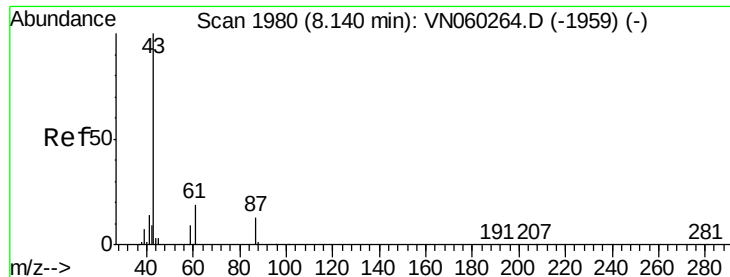
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.136 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060533.D
 Acq: 16 Mar 2020 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.7	115.1#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 13.207 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#06

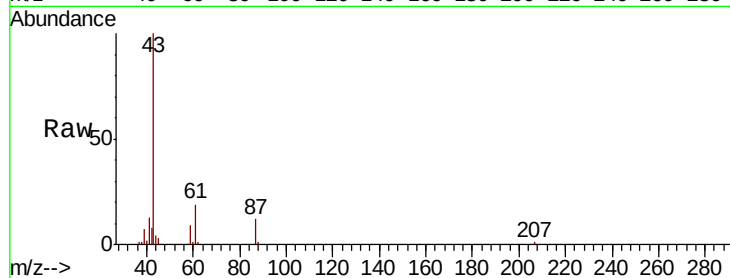
Tot Ion: 43 Resp: 70442

Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

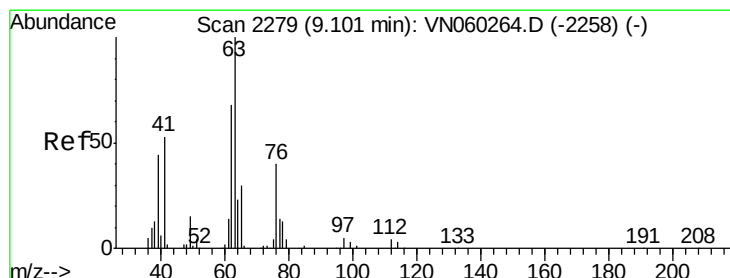
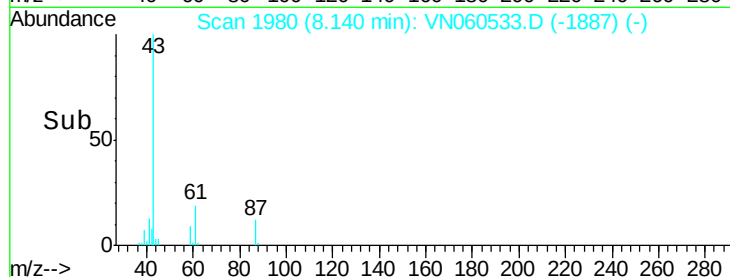
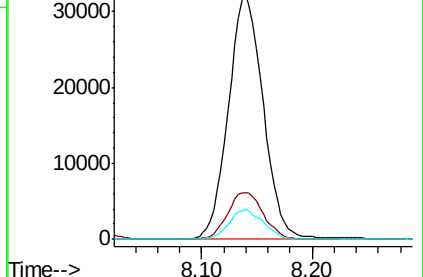
87 11.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060533.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060533.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060533.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.524 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060533.D

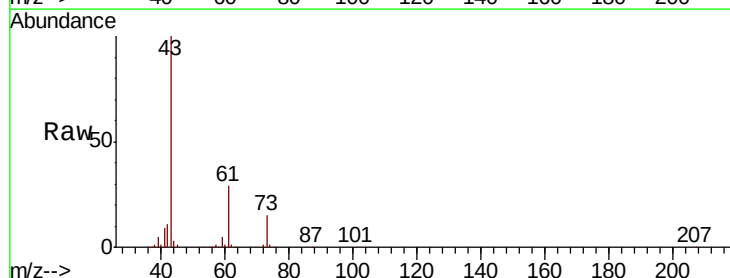
Acq: 16 Mar 2020 19:00

Tgt Ion: 63 Resp: 1284

Ion Ratio Lower Upper

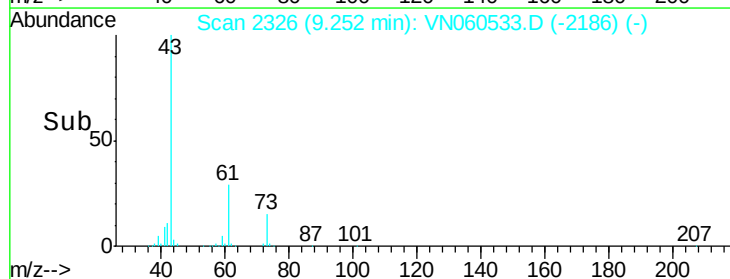
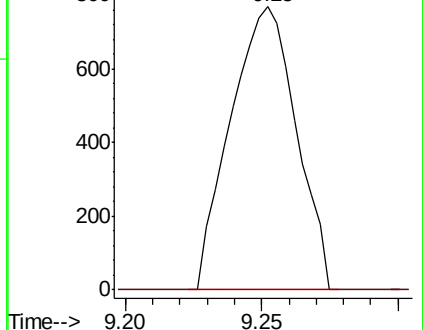
63 100

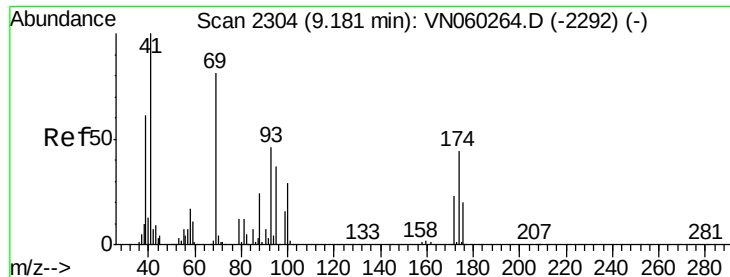
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060533.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060533.D (-2186) (-)

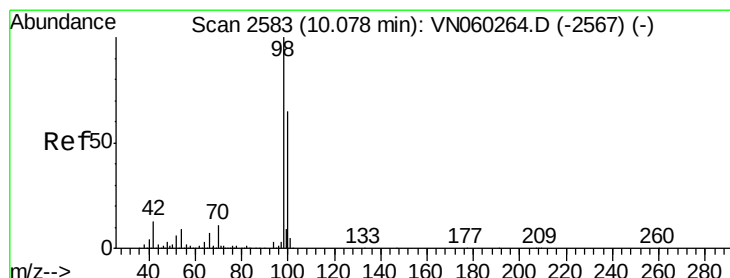
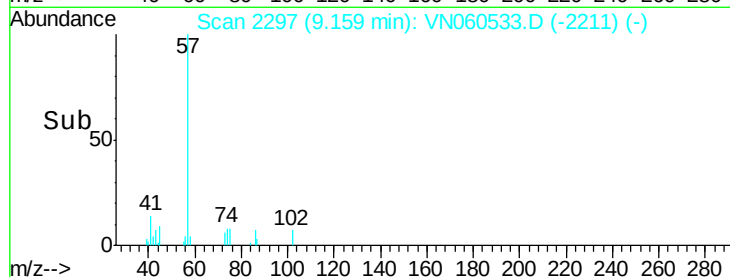
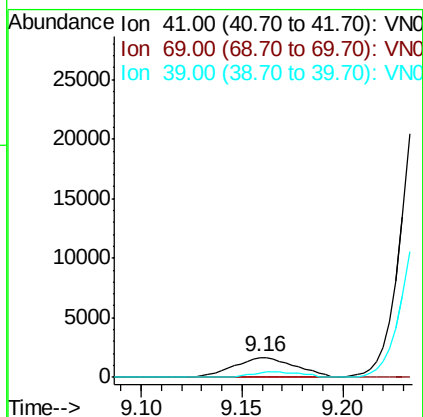
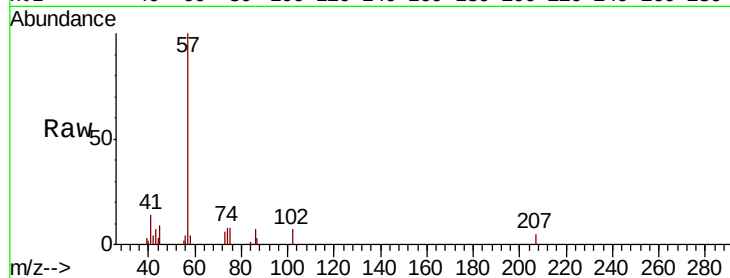




#48
Methvl methacrylate
Concen: 1.442 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

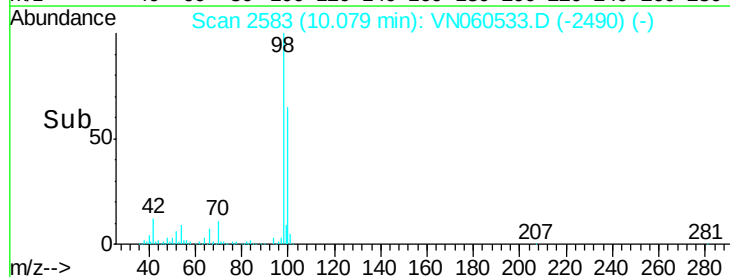
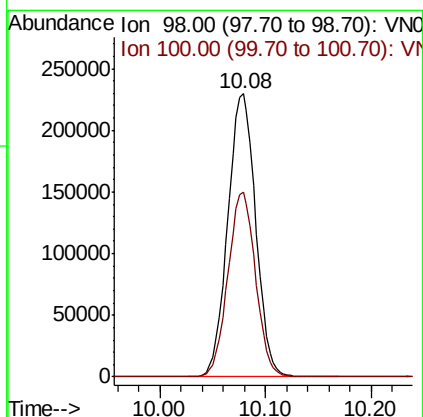
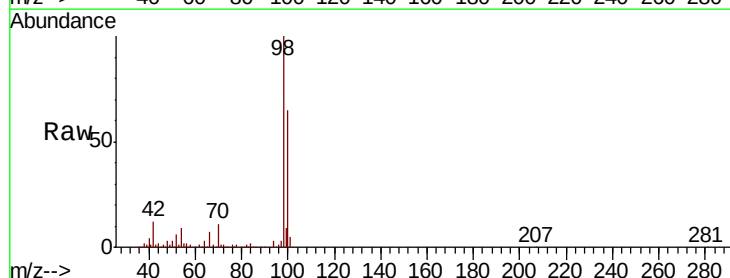
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#06

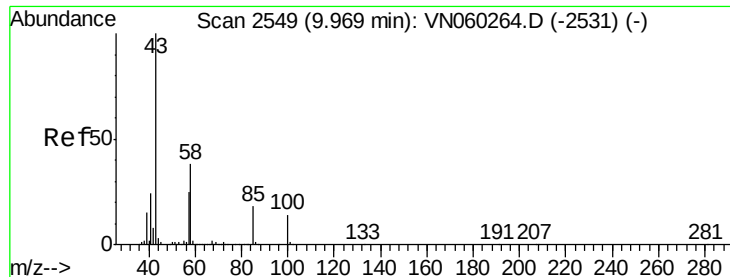
Tot Ion: 41 Resp: 3507
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 53.007 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Tgt Ion: 98 Resp: 420405
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.719 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

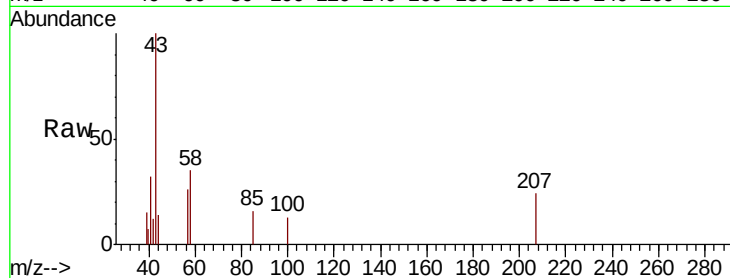
PB127541ZHE#06

Tot Ion: 43 Resp: 5197

Ion Ratio Lower Upper

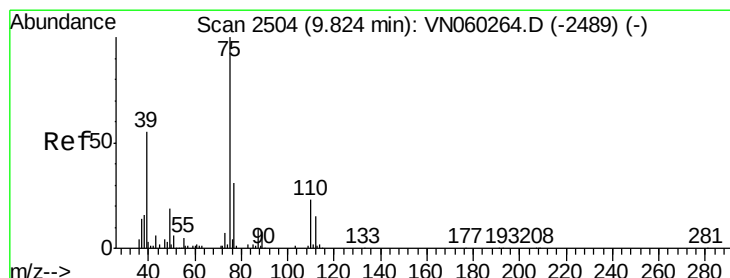
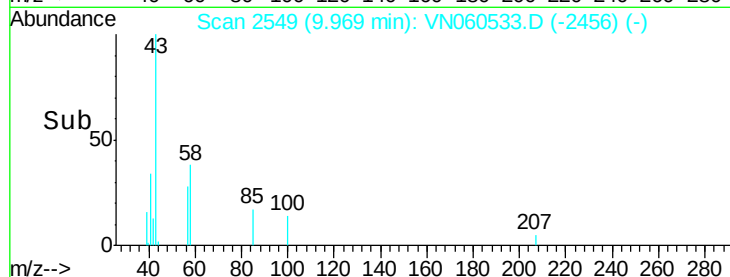
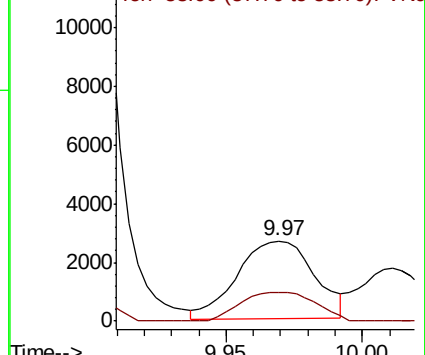
43 100

58 36.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 7.233 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

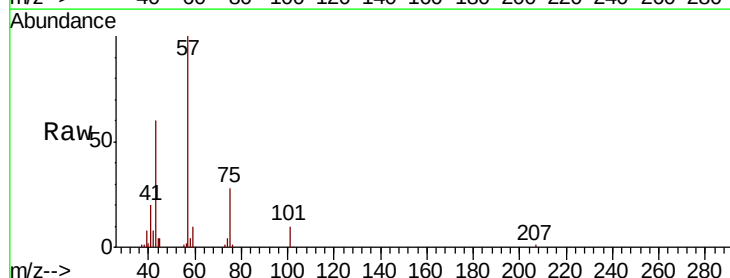
Tgt Ion: 75 Resp: 29674

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

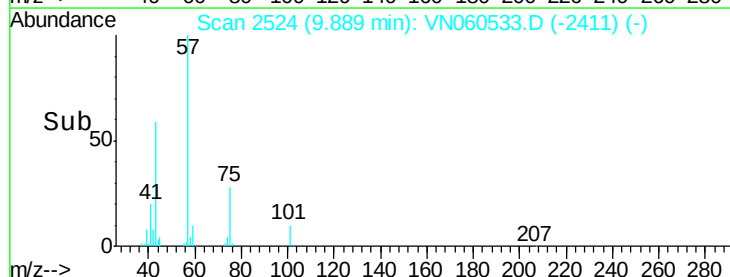
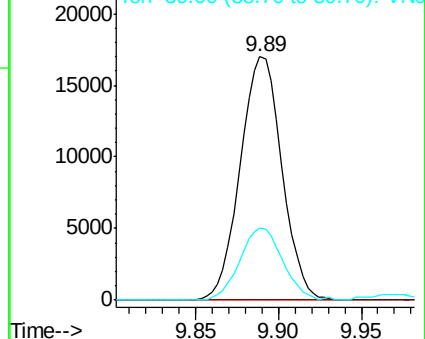
39 29.5 43.8 65.8#

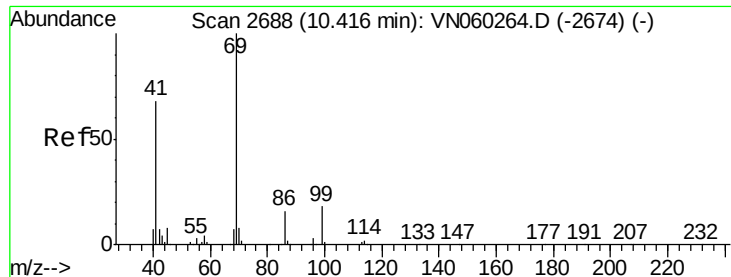


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#06

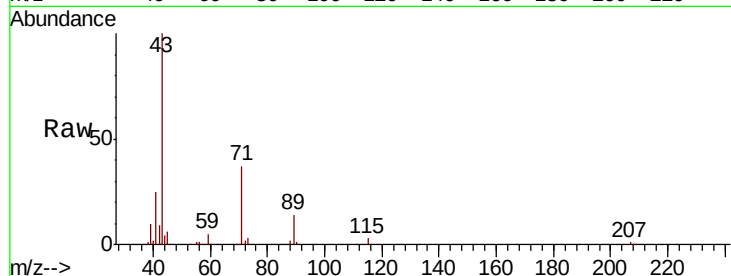
Tot Ion: 69 Resp: 688

Ion Ratio Lower Upper

69 100

41 8820.1 54.1 81.1#

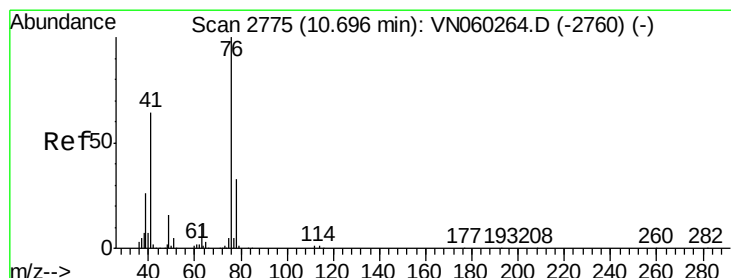
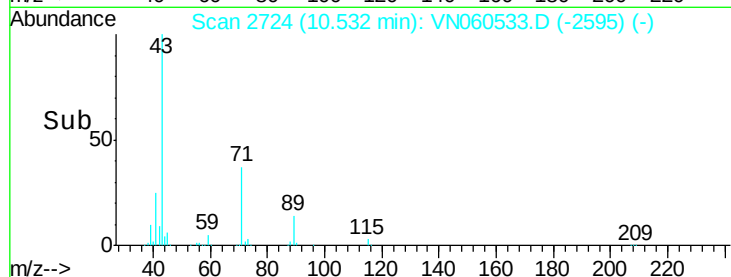
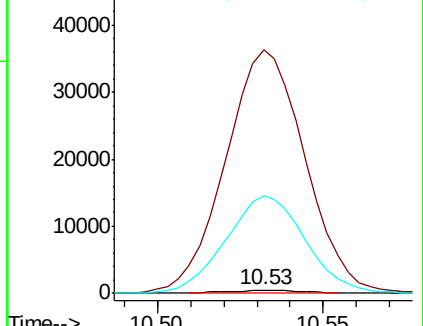
39 3534.2 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN060533.D (-2595) (-)

Ion 41.00 (40.70 to 41.70): VN060533.D (-2595) (-)

Ion 39.00 (38.70 to 39.70): VN060533.D (-2595) (-)



#57

1,3-Dichloropropane

Concen: 1.274 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060533.D

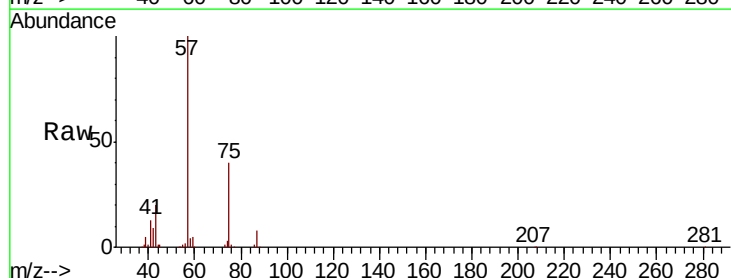
Acq: 16 Mar 2020 19:00

Tgt Ion: 76 Resp: 4917

Ion Ratio Lower Upper

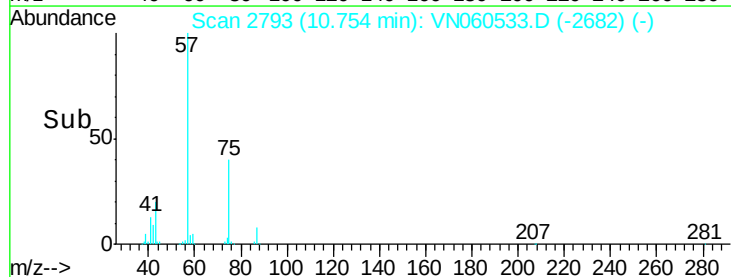
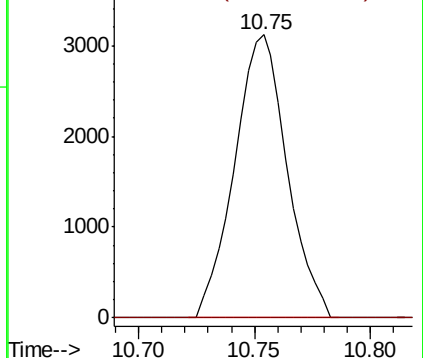
76 100

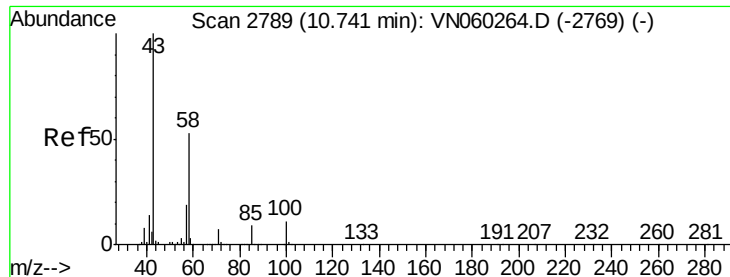
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060533.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060533.D (-2682) (-)

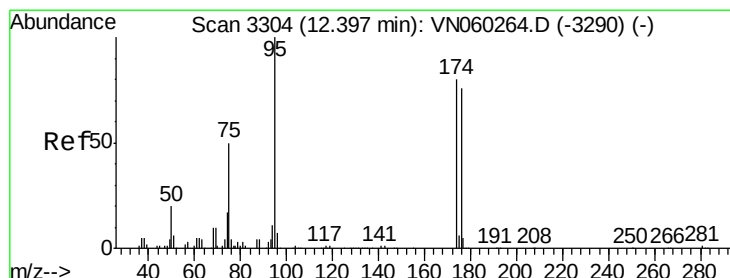
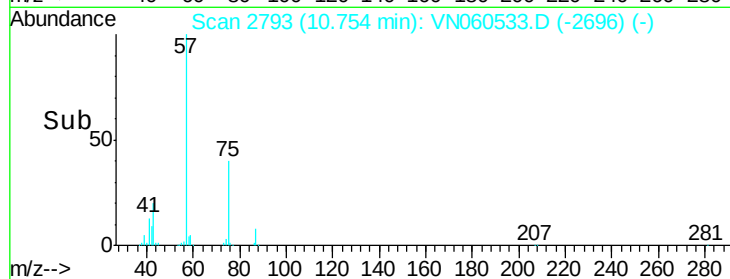
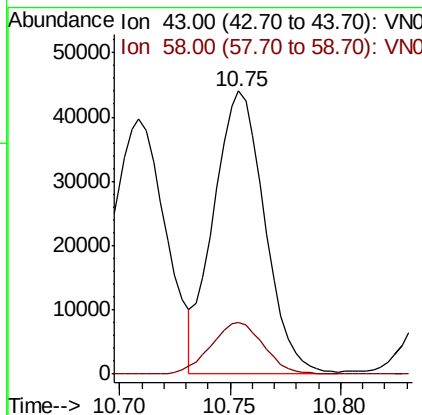
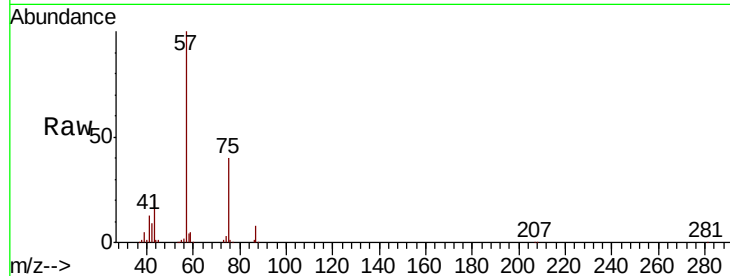




#59
2-Hexanone
Concen: 31.590 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

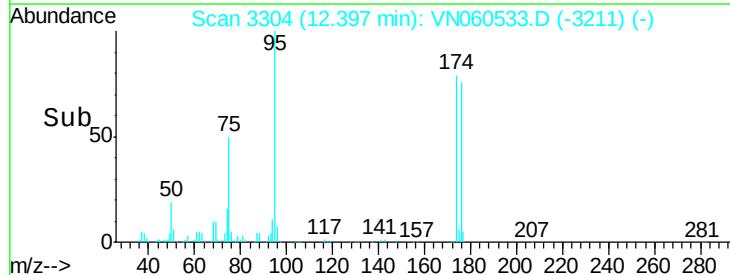
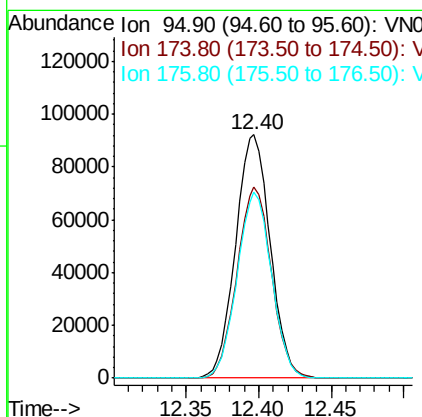
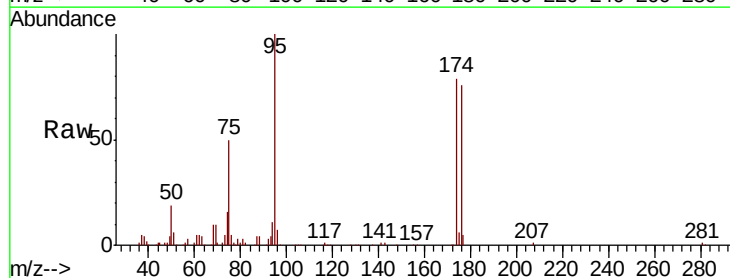
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#06

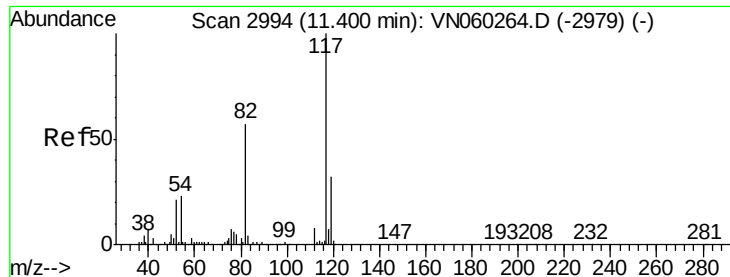
Tot Ion: 43 Resp: 70142
Ion Ratio Lower Upper
43 100
58 19.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 50.927 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Tgt Ion: 95 Resp: 153113
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.2
176 75.9 0.0 153.8

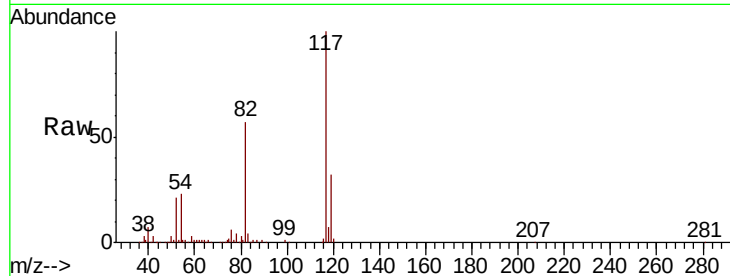




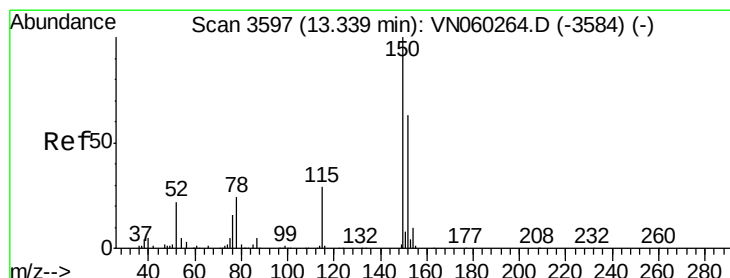
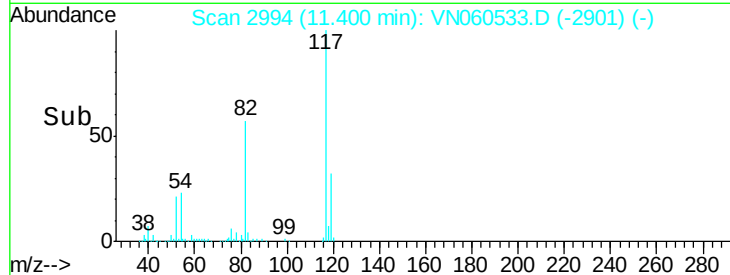
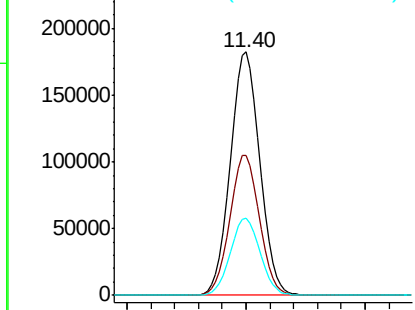
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#06

Tot Ion:117 Resp: 313671
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 31.8 25.8 38.8

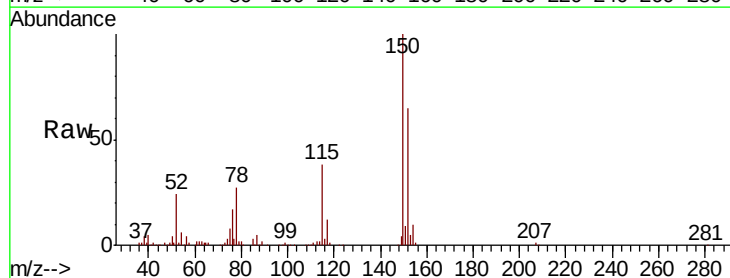


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

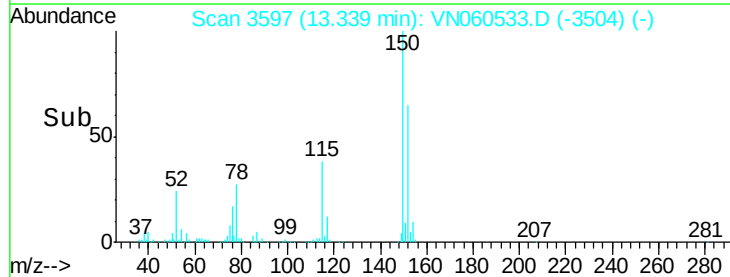
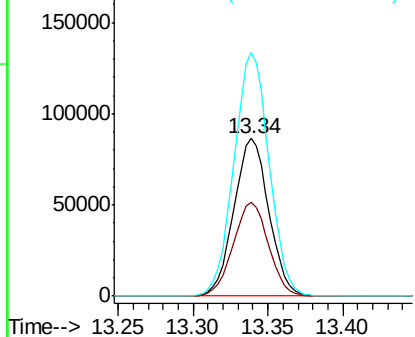


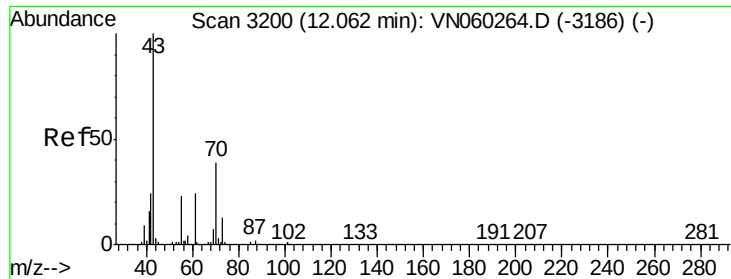
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Tgt Ion:152 Resp: 140248
Ion Ratio Lower Upper
152 100
115 60.0 30.0 90.0
150 155.8 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

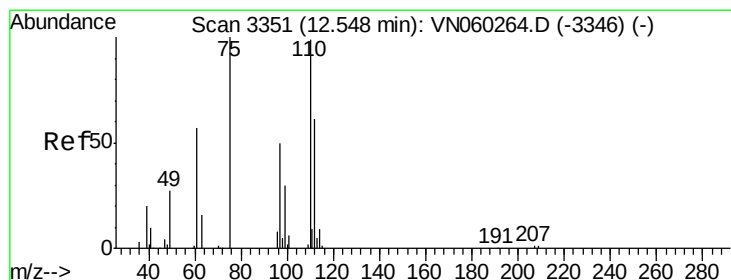
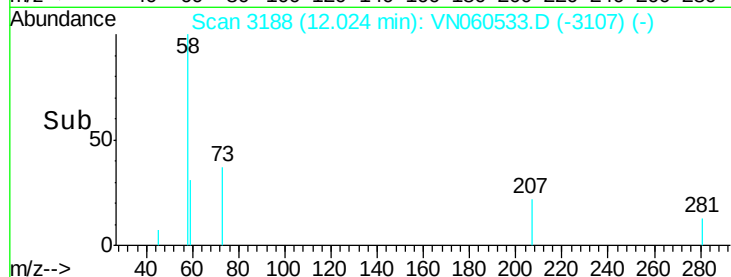
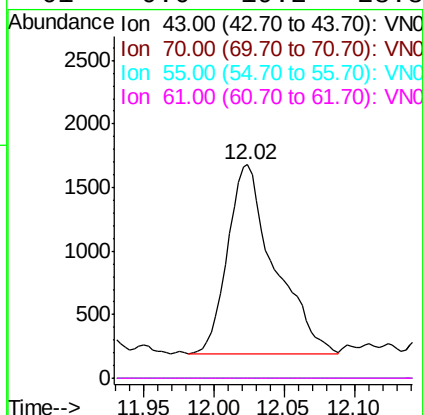
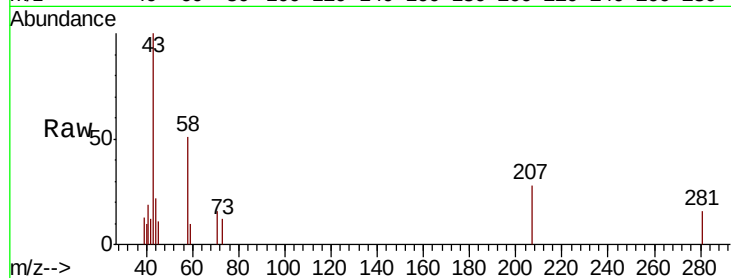




#74
N-amyl acetate
Concen: 0.761 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

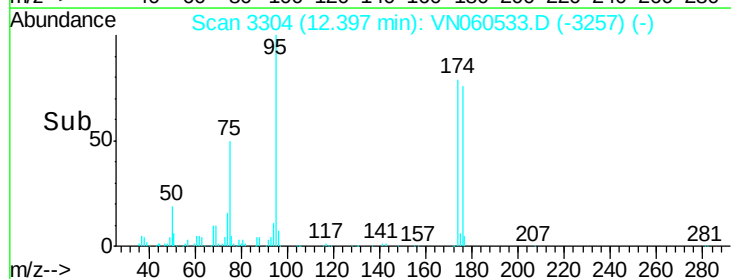
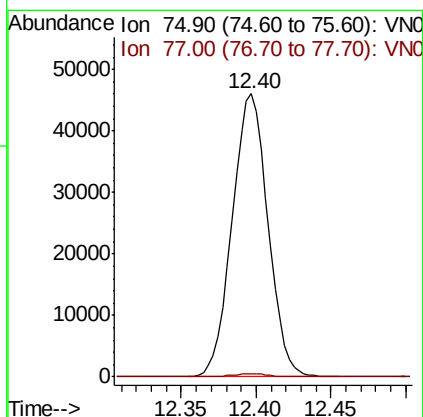
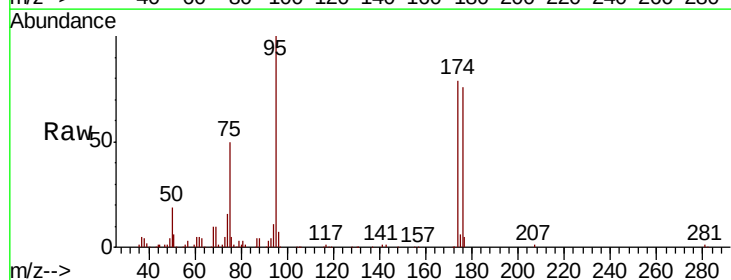
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#06

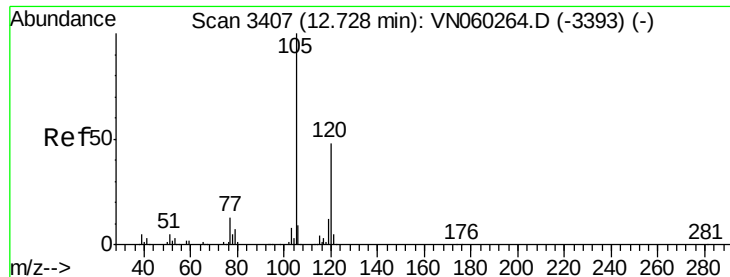
Tot Ion:	43	Resp:	3457
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	0.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 24.907 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060533.D
Acq: 16 Mar 2020 19:00

Tgt Ion:	75	Resp:	76640
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.339 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

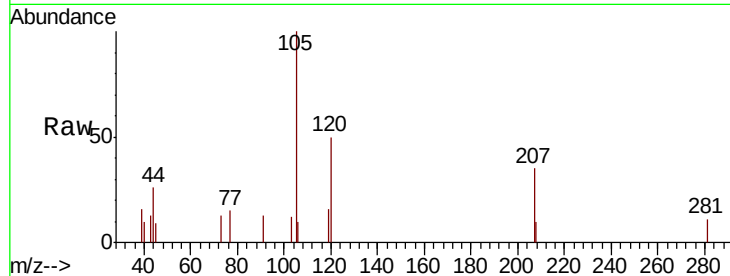
PB127541ZHE#06

Tot Ion:105 Resp: 2963

Ion Ratio Lower Upper

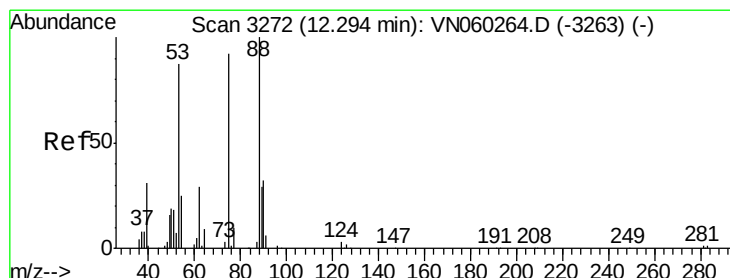
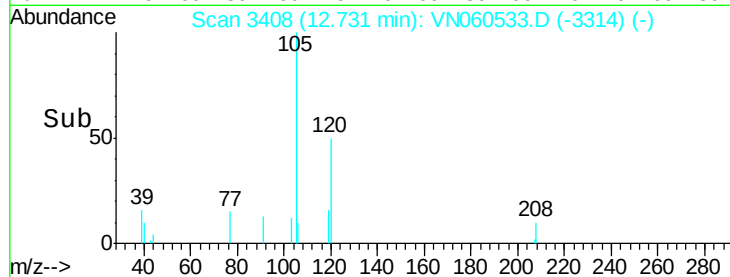
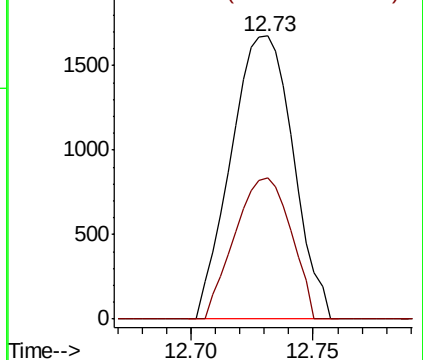
105 100

120 45.3 24.1 72.4



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: 68.755 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060533.D

Acq: 16 Mar 2020 19:00

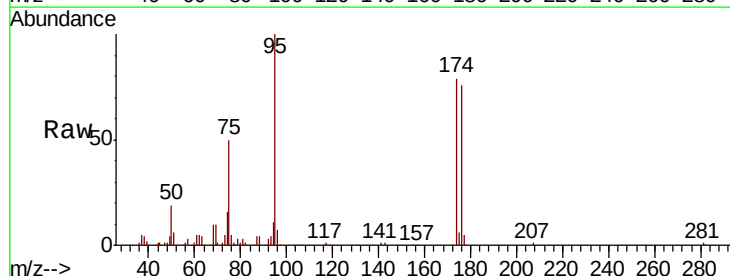
Tgt Ion: 75 Resp: 76640

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

