

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060532.D
 Acq On : 16 Mar 2020 18:38
 Operator : JC/MD
 Sample : PB127541ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#05

Quant Time: Mar 17 08:46:40 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

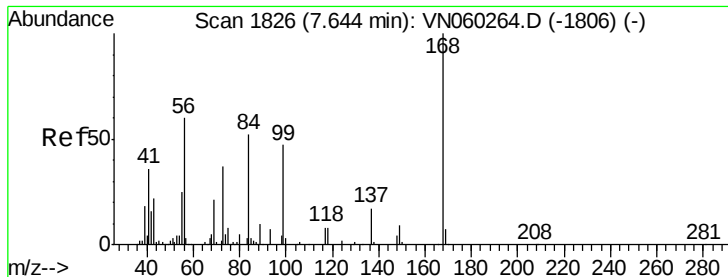
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	325655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	136388	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
35) Dibromofluoromethane	7.57	113	103031	63.51	ug/l	0.00
Spiked Amount						
			Recovery	=	127.02%	
50) Toluene-d8	10.08	98	431579	52.56	ug/l	0.00
Spiked Amount						
			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.40	95	161875	52.01	ug/l	0.00
Spiked Amount						
			Recovery	=	104.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7246	8.403	ug/l	97
18) Methyl Acetate	4.30	43	2150	0.747	ug/l #	57
20) Methylene Chloride	4.52	84	4259	1.798	ug/l	95
25) 2-Butanone	6.80	43	612	0.439	ug/l #	49
31) Cyclohexane	7.64	56	4138	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16252	4.879	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19984	6.162	ug/l #	16
43) Isopropyl Acetate	8.14	43	71671	12.980	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1272	0.502	ug/l #	44
48) Methyl methacrylate	9.16	41	3812	1.514	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	6126	1.957	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	29664	6.984	ug/l #	58
56) Ethyl methacrylate	10.53	69	762	0.217	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4951	1.240	ug/l #	42
59) 2-Hexanone	10.75	43	72433	31.512	ug/l #	51
74) N-amyl acetate	12.02	43	3545	0.733	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	81149	24.768	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3033	0.325	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	81149	68.371	ug/l #	8

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

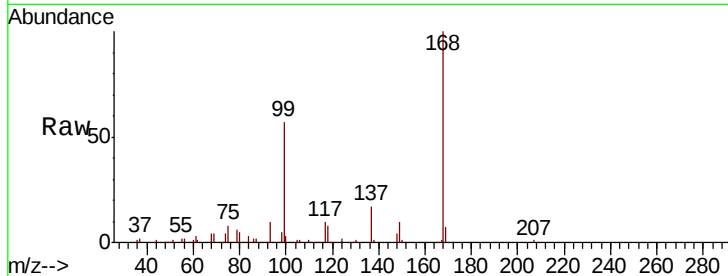
PB127541ZHE#05

Tot Ion:168 Resp: 208130

Ion Ratio Lower Upper

168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060532.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060532.D (-1733) (-)

7.64

80000

60000

40000

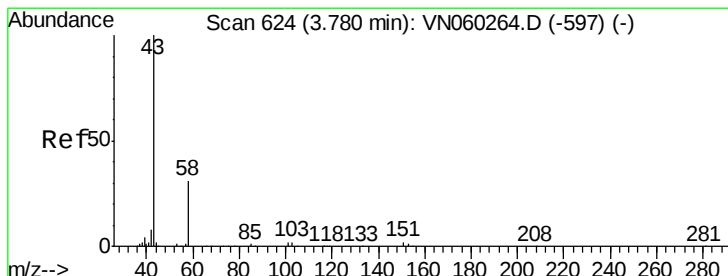
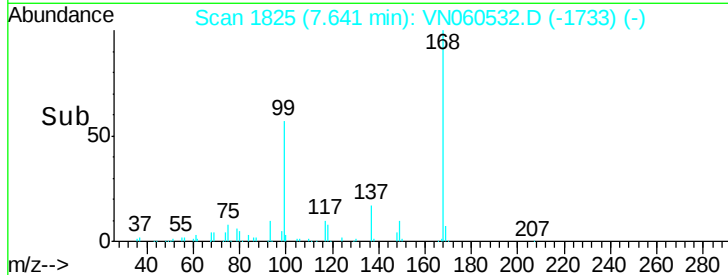
20000

0

7.60

7.70

Time-->



#16

Acetone

Concen: 8.403 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060532.D

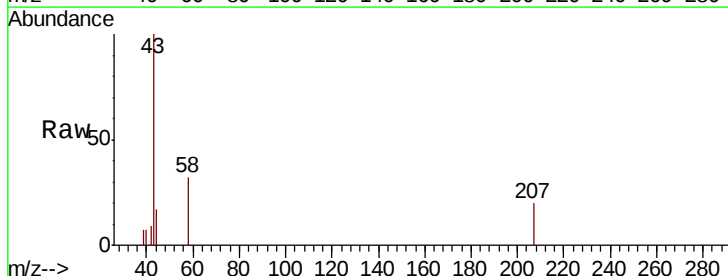
Acq: 16 Mar 2020 18:38

Tgt Ion: 43 Resp: 7246

Ion Ratio Lower Upper

43 100

58 32.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060532.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060532.D (-531) (-)

3.79

2500

2000

1500

1000

500

0

3.70

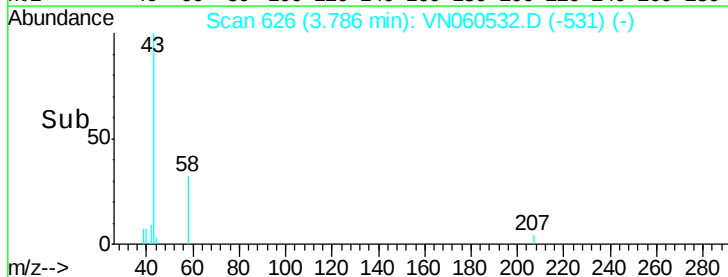
3.75

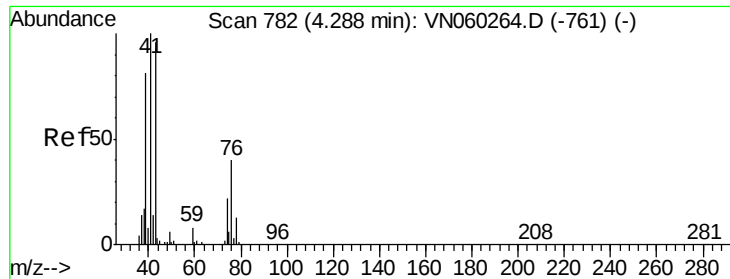
3.80

3.85

3.90

Time-->

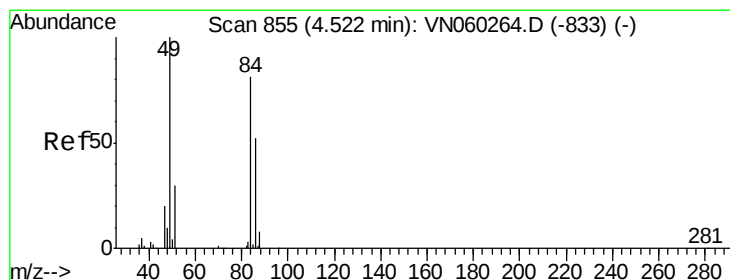
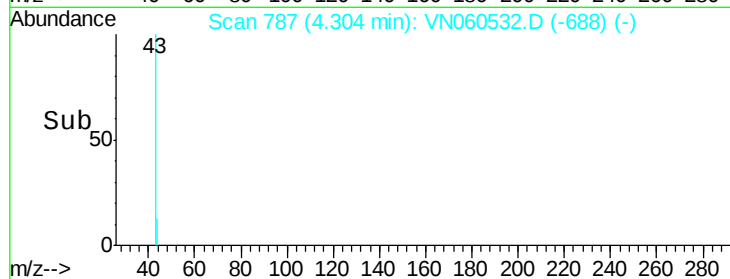
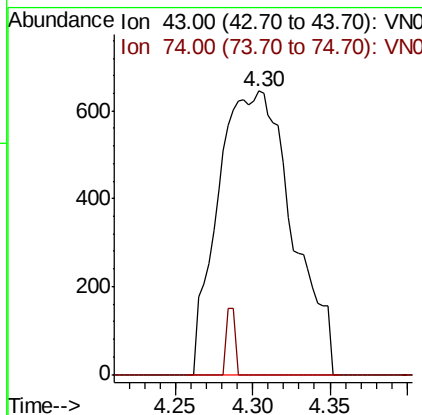
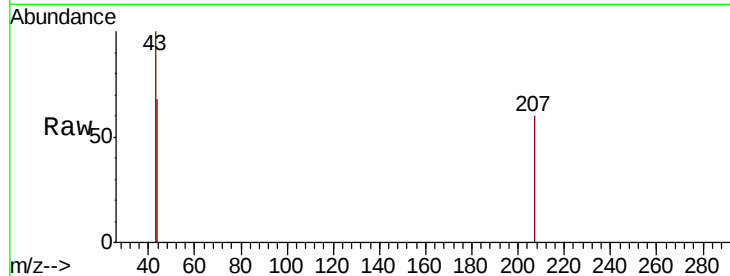




#18
Methyl Acetate
Concen: 0.747 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

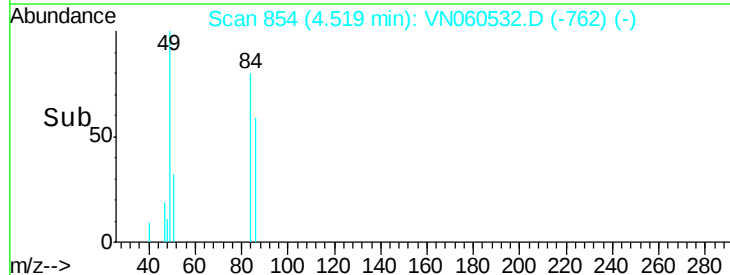
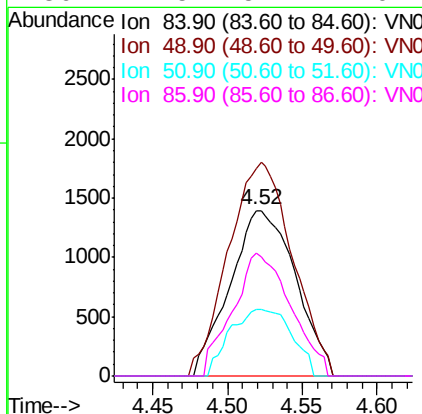
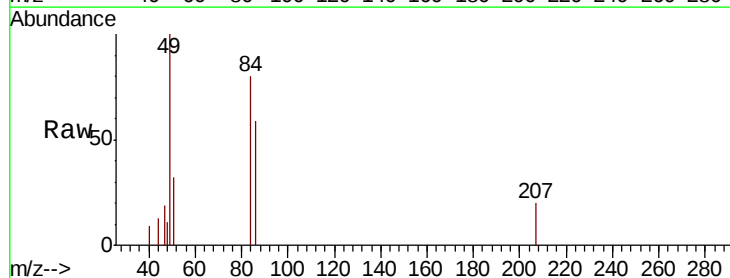
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#05

Tot Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
74 2.7 18.8 28.2#



#20
Methylene Chloride
Concen: 1.798 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

Tgt Ion: 84 Resp: 4259
Ion Ratio Lower Upper
84 100
49 125.2 99.3 148.9
51 40.0 30.1 45.1
86 74.5 51.1 76.7





#25

2-Butanone

Concen: 0.439 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

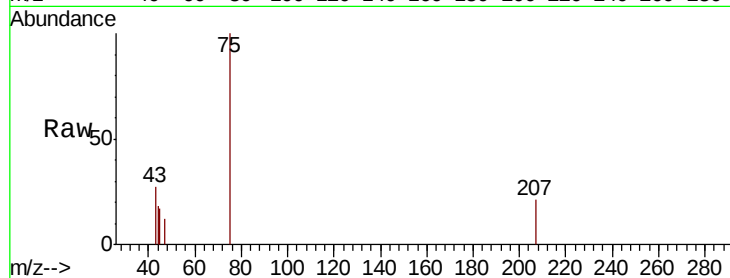
PB127541ZHE#05

Tot Ion: 43 Resp: 612

Ion Ratio Lower Upper

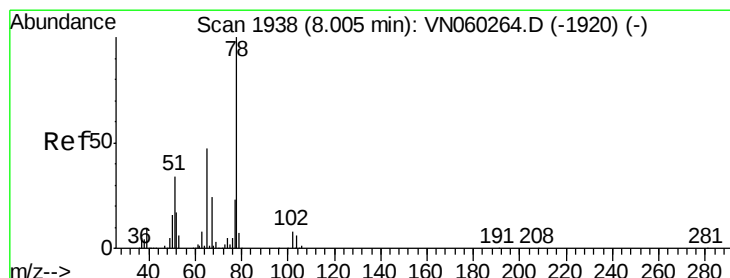
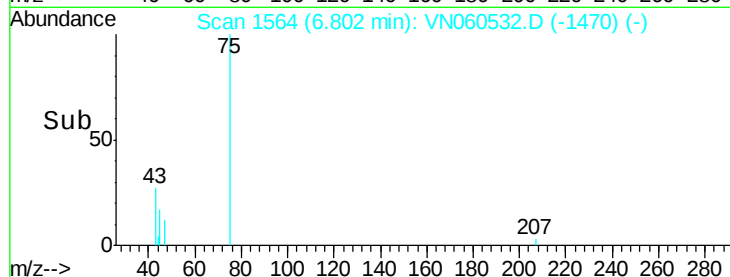
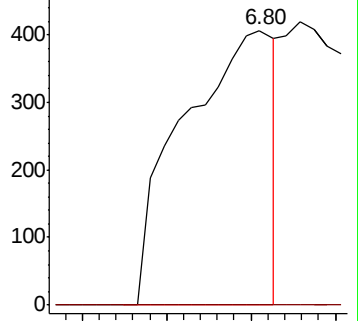
43 100

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



#33

1,2-Dichloroethane-d4

Concen: 51.075 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060532.D

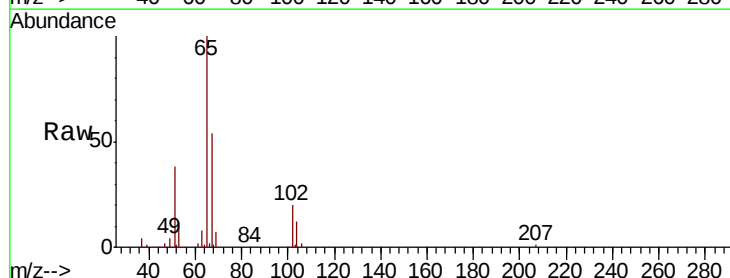
Acq: 16 Mar 2020 18:38

Tgt Ion: 65 Resp: 136388

Ion Ratio Lower Upper

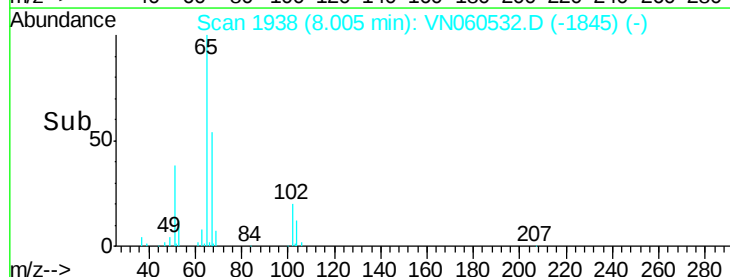
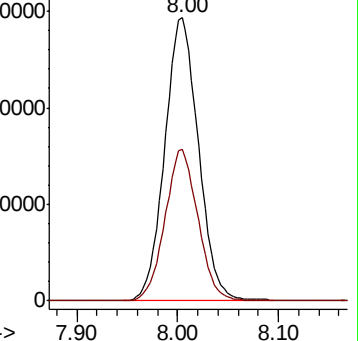
65 100

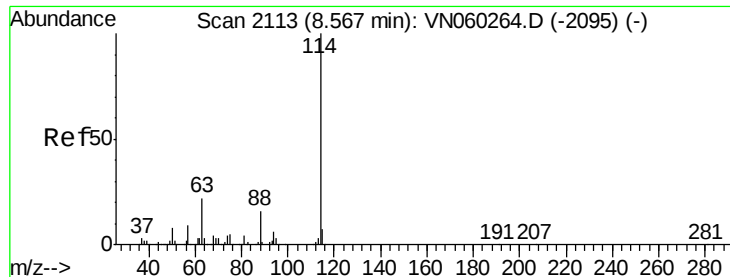
67 52.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

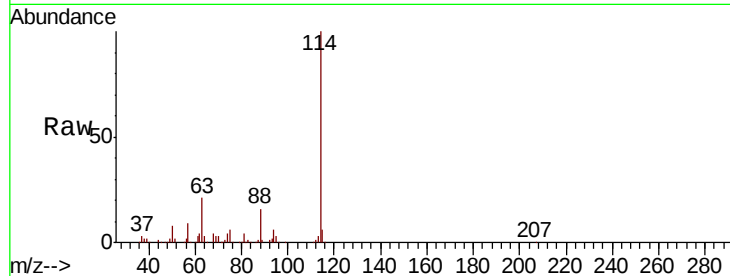




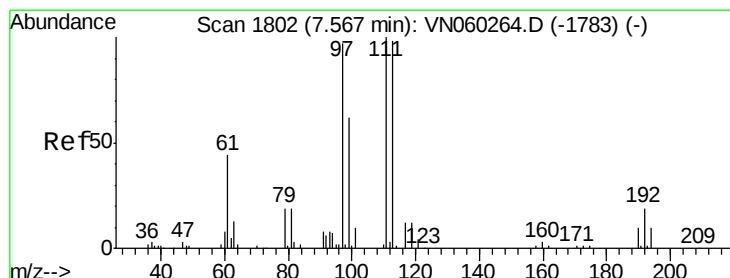
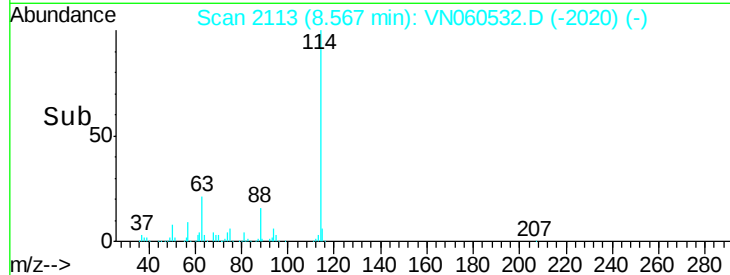
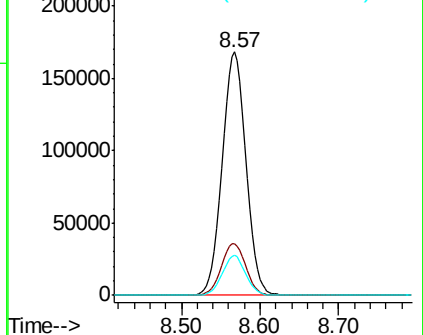
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060532.D
 Acq: 16 Mar 2020 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#05

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.5	0.0	31.6

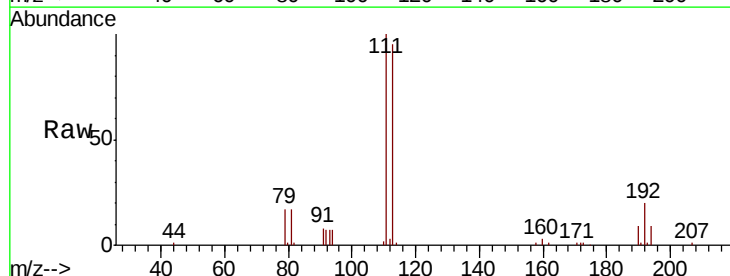


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

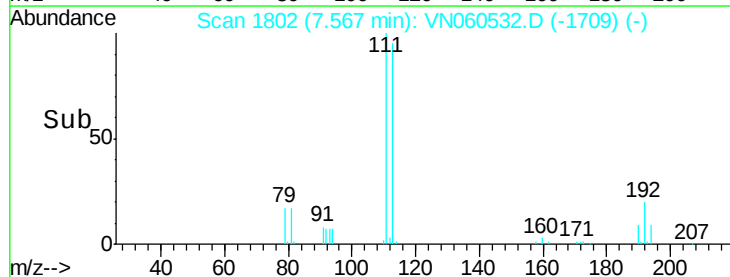
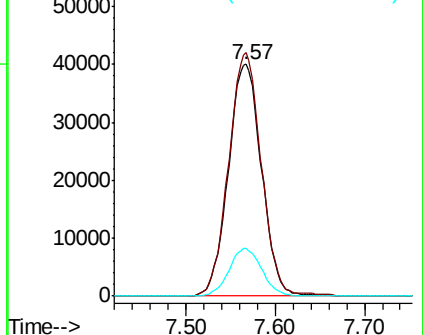


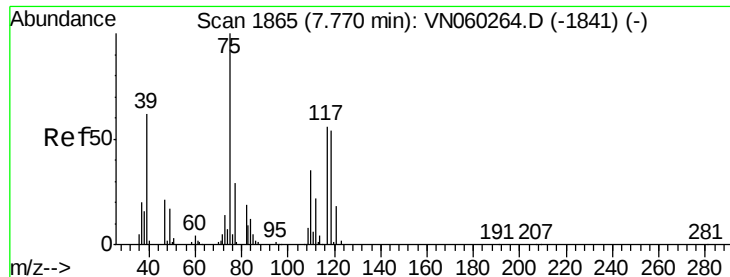
#35
 Dibromofluoromethane
 Concen: 63.510 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060532.D
 Acq: 16 Mar 2020 18:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	20.2	16.2	24.2



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





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#05

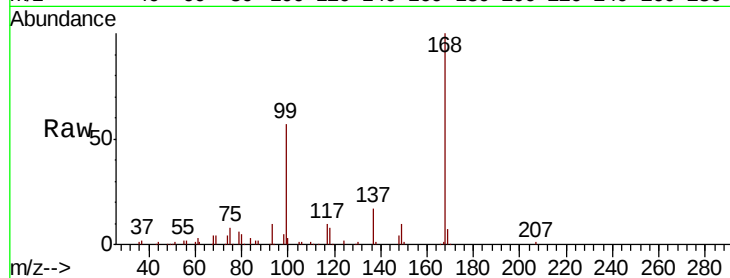
Tot Ion: 75 Resp: 16252

Ion Ratio Lower Upper

75 100

110 8.6 17.3 52.0#

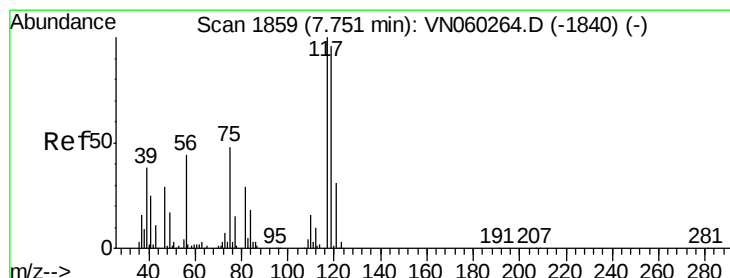
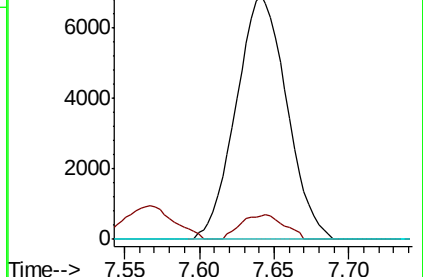
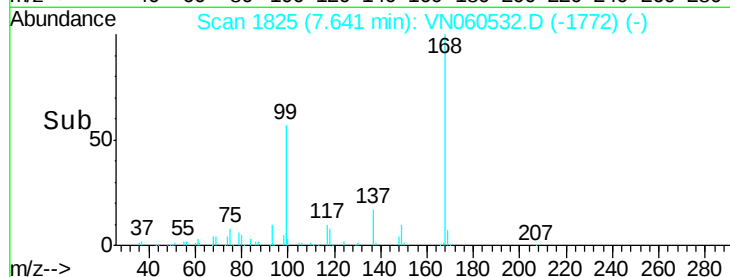
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060532.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060532.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060532.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.162 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

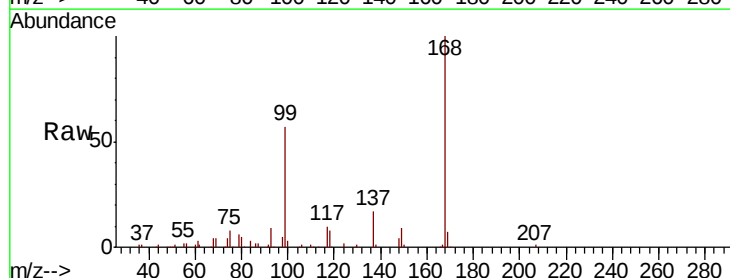
Tgt Ion: 117 Resp: 19984

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

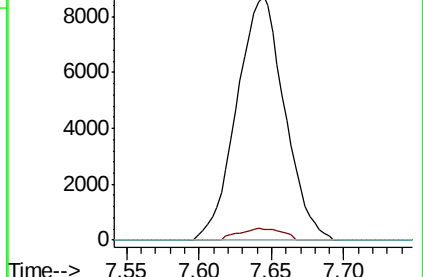
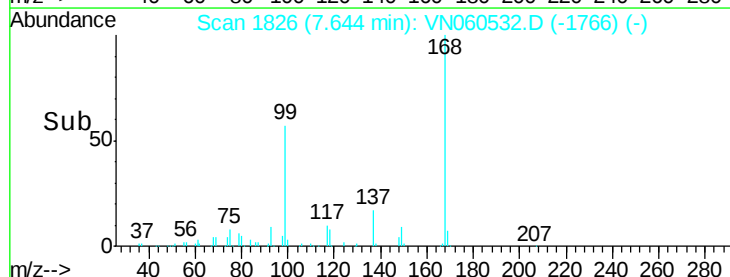
121 0.0 24.5 36.7#

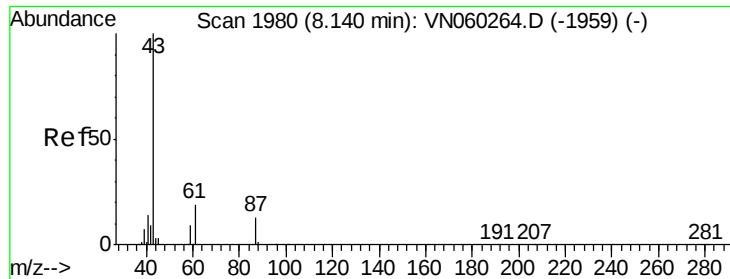


Abundance Ion 116.80 (116.50 to 117.50): VN060532.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060532.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060532.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 12.980 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#05

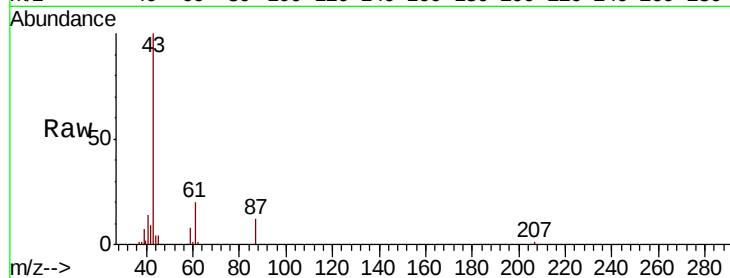
Tot Ion: 43 Resp: 71671

Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

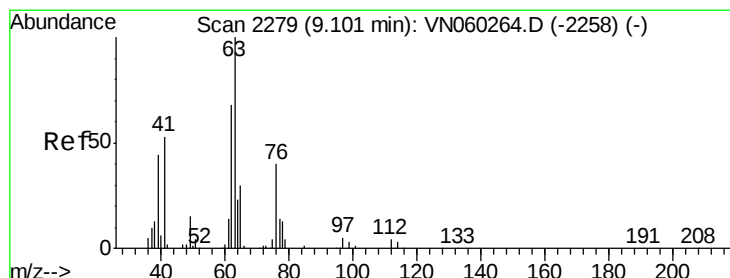
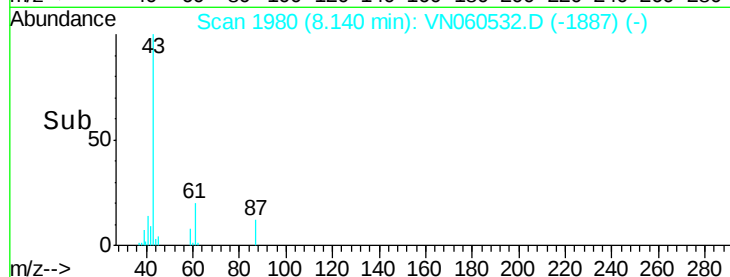
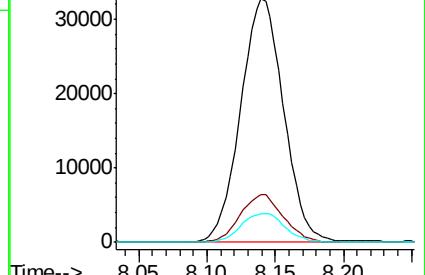
87 12.0 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060532.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060532.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060532.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.502 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060532.D

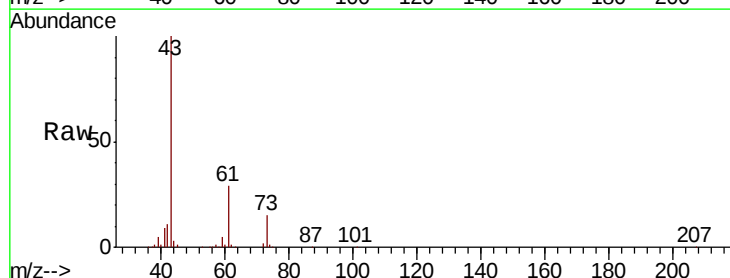
Acq: 16 Mar 2020 18:38

Tgt Ion: 63 Resp: 1272

Ion Ratio Lower Upper

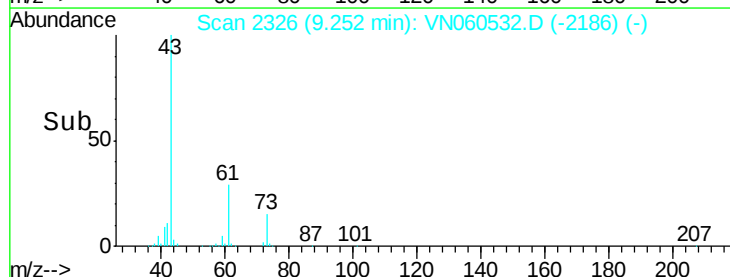
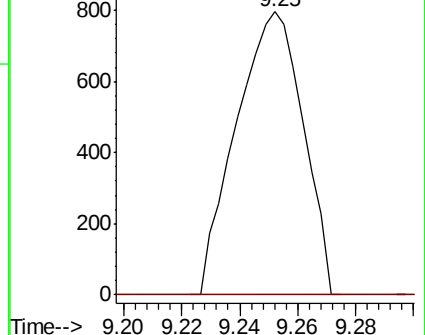
63 100

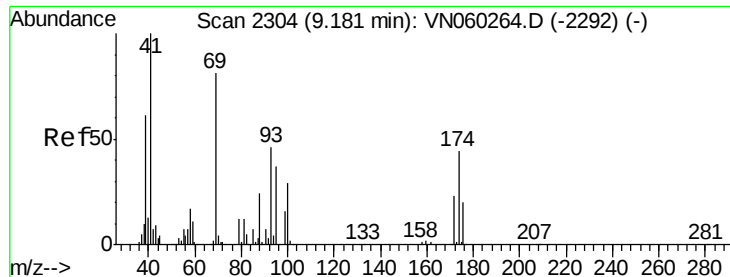
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060532.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060532.D (-2186) (-)

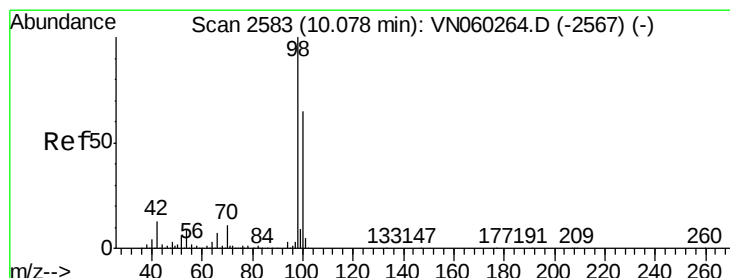
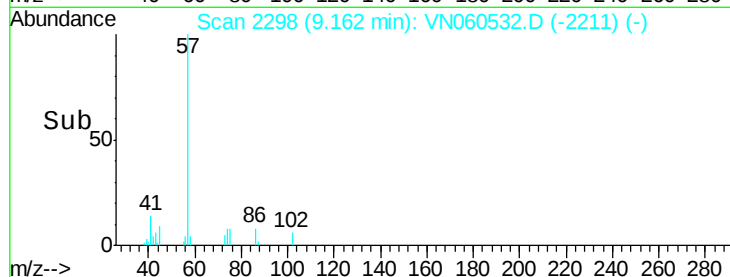
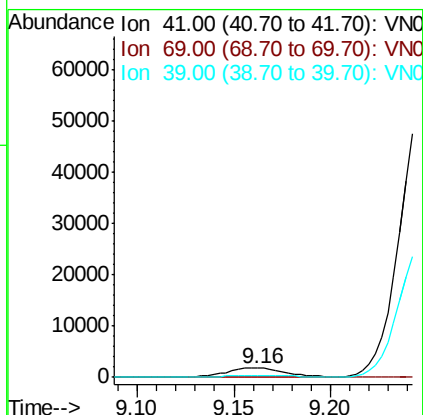
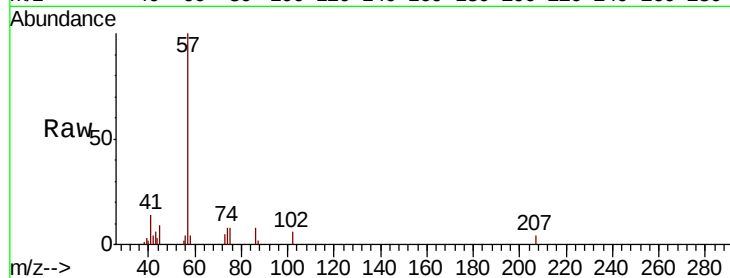




#48
Methvl methacrylate
Concen: 1.514 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

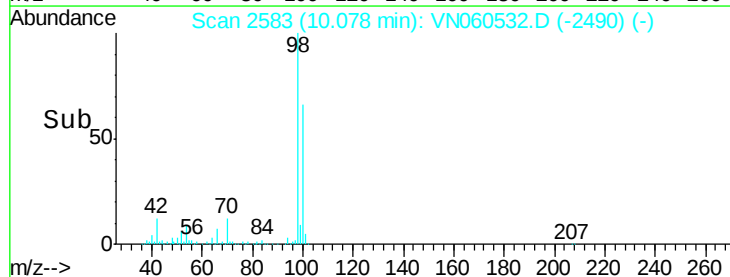
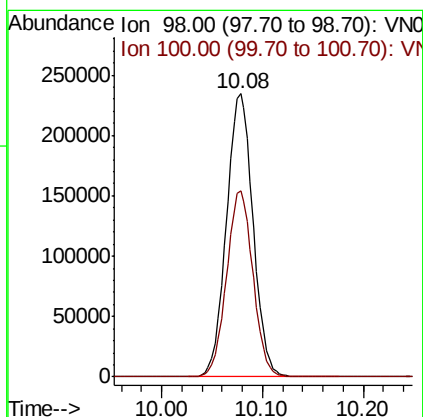
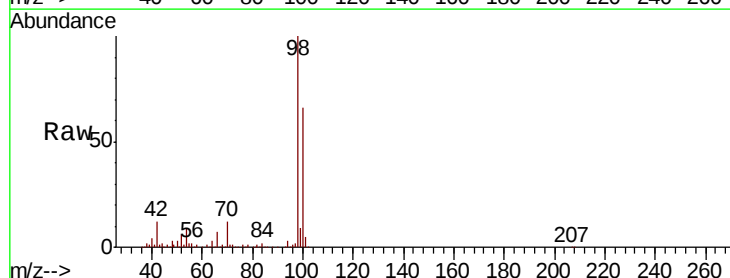
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#05

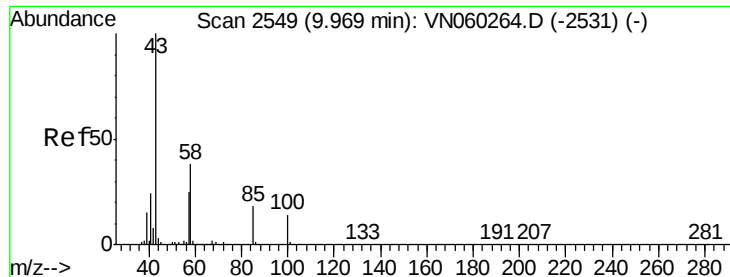
Tot Ion: 41 Resp: 3812
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#50
Toluene-d8
Concen: 52.564 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

Tgt Ion: 98 Resp: 431579
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.957 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

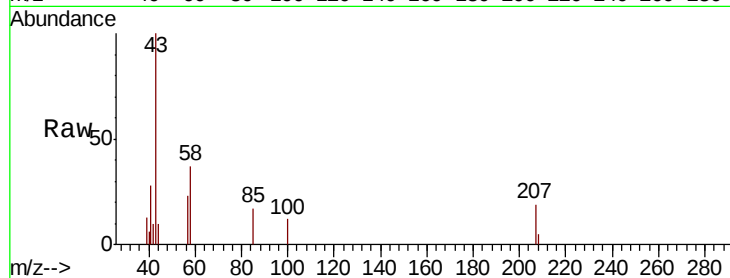
PB127541ZHE#05

Tot Ion: 43 Resp: 6126

Ion Ratio Lower Upper

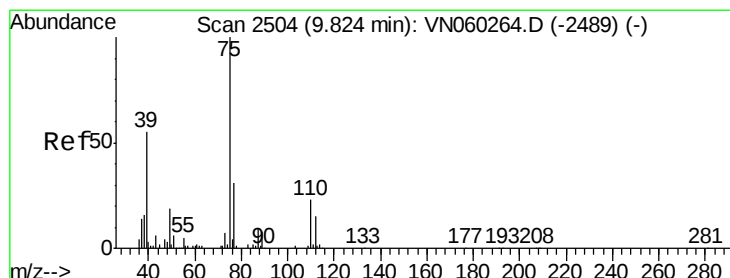
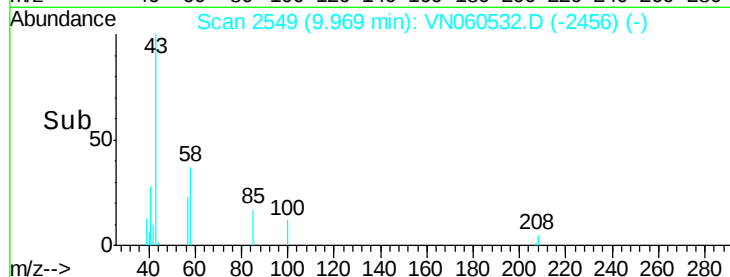
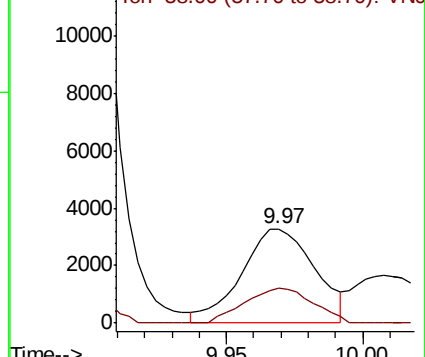
43 100

58 34.6 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: 6.984 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

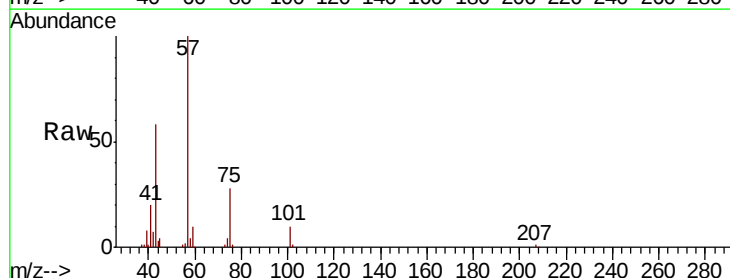
Tgt Ion: 75 Resp: 29664

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

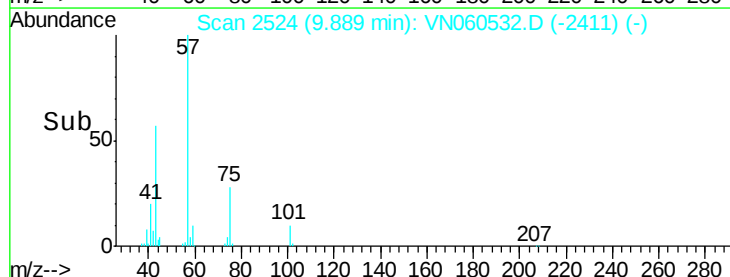
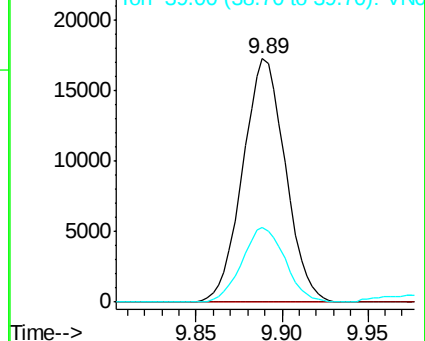
39 30.6 43.8 65.8#

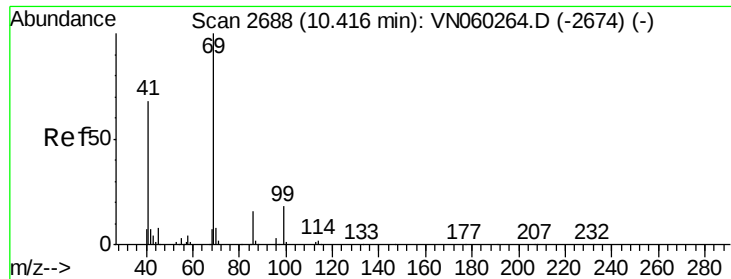


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.217 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#05

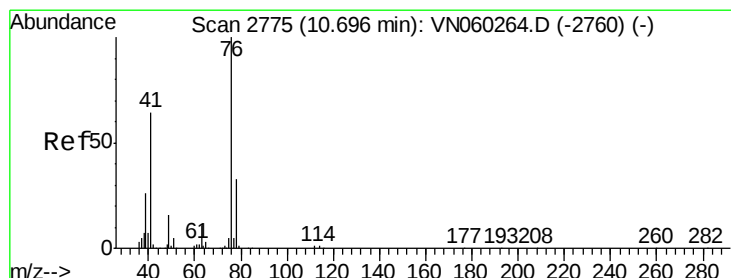
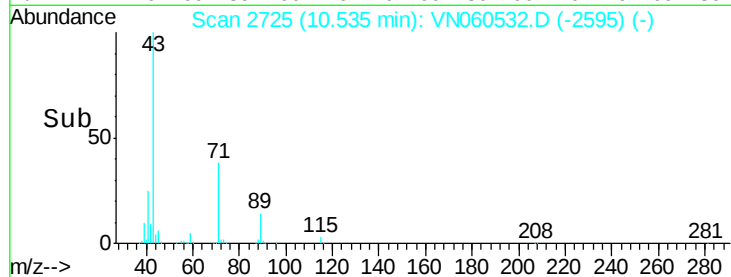
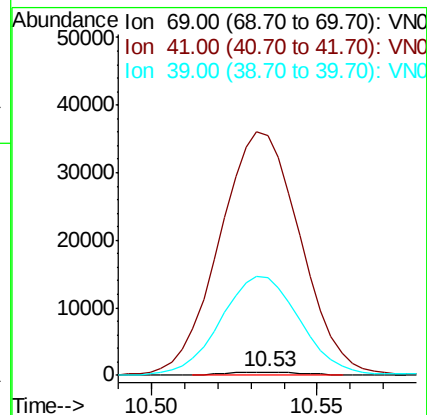
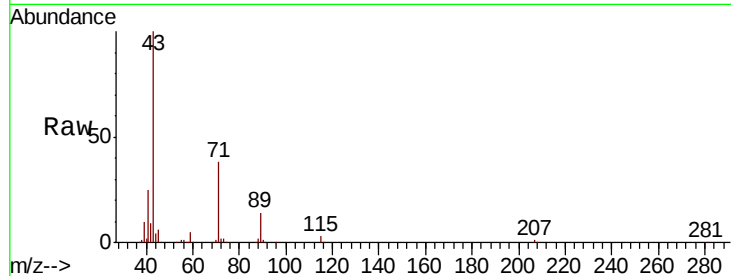
Tot Ion: 69 Resp: 762

Ion Ratio Lower Upper

69 100

41 8098.0 54.1 81.1#

39 3233.2 32.5 48.7#



#57

1,3-Dichloropropane

Concen: 1.240 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060532.D

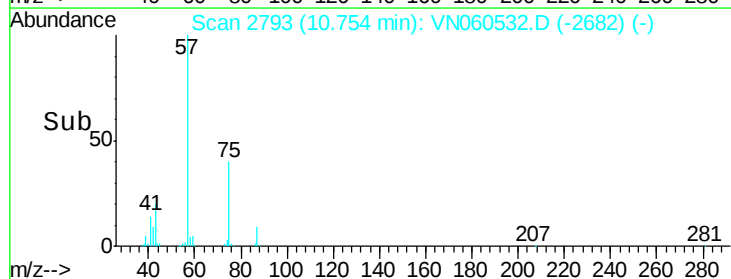
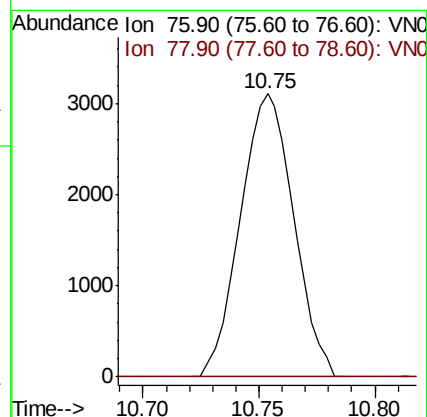
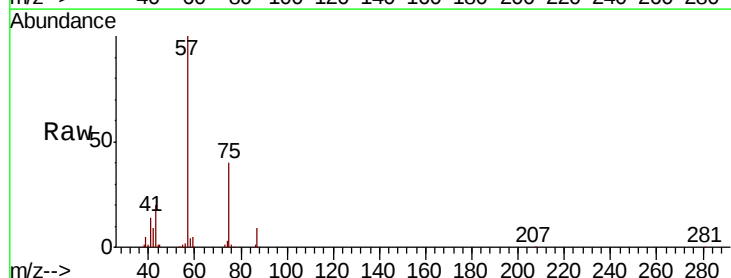
Acq: 16 Mar 2020 18:38

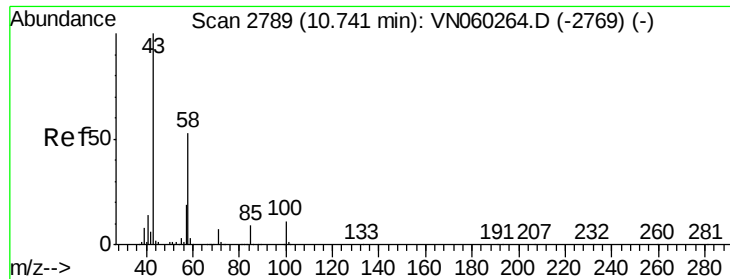
Tgt Ion: 76 Resp: 4951

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#

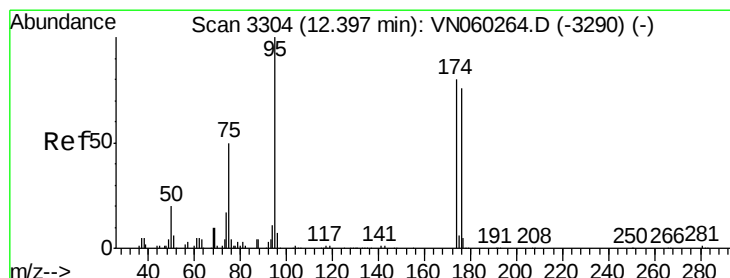
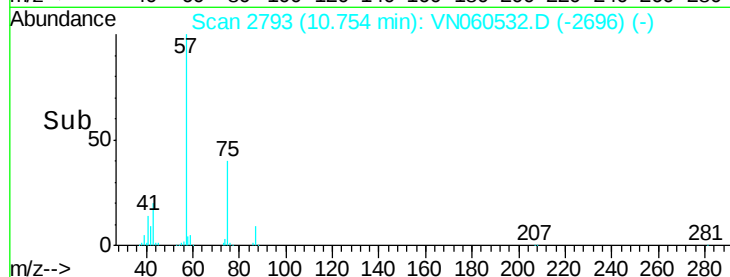
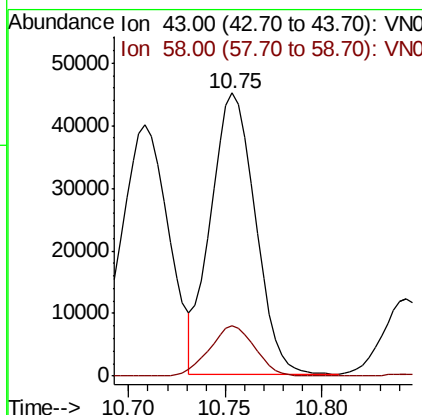
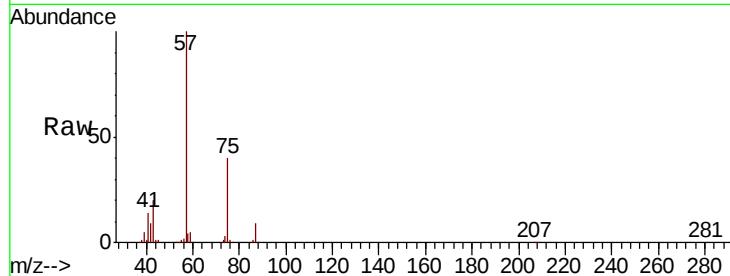




#59
2-Hexanone
Concen: 31.512 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

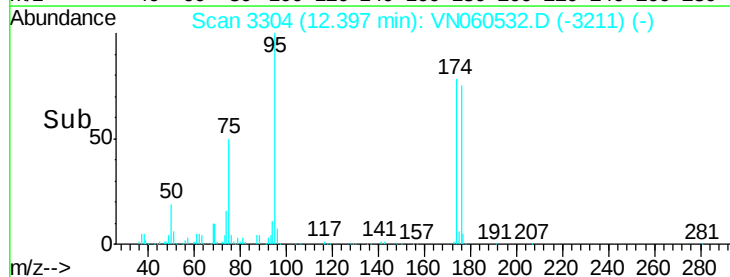
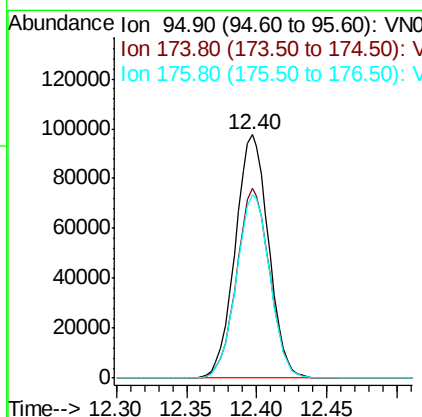
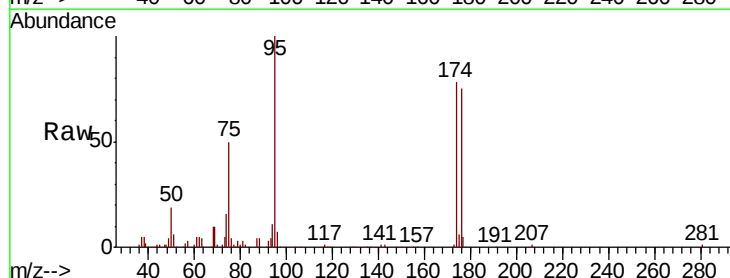
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#05

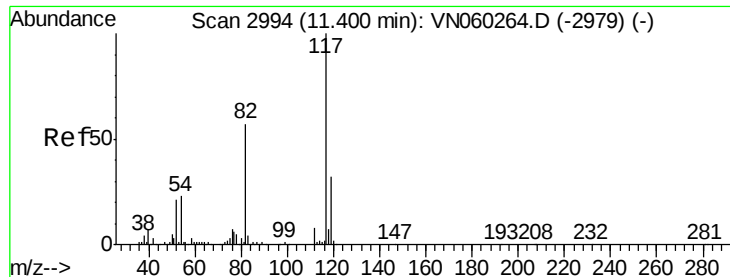
Tot Ion: 43 Resp: 72433
Ion Ratio Lower Upper
43 100
58 18.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.010 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060532.D
Acq: 16 Mar 2020 18:38

Tgt Ion: 95 Resp: 161875
Ion Ratio Lower Upper
95 100
174 77.3 0.0 159.2
176 75.8 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: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#05

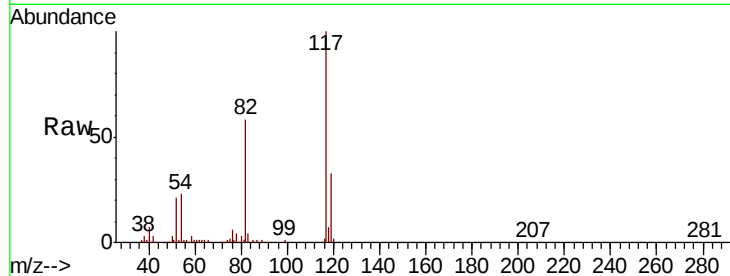
Tot Ion:117 Resp: 325655

Ion Ratio Lower Upper

117 100

82 57.5 45.8 68.6

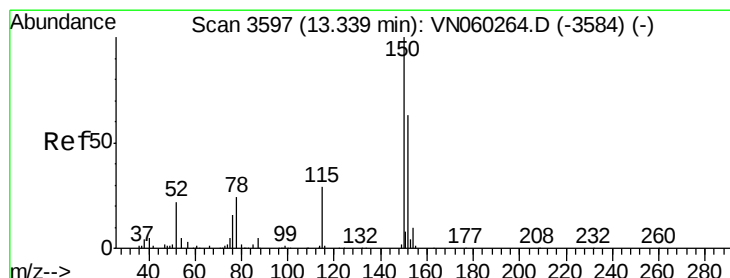
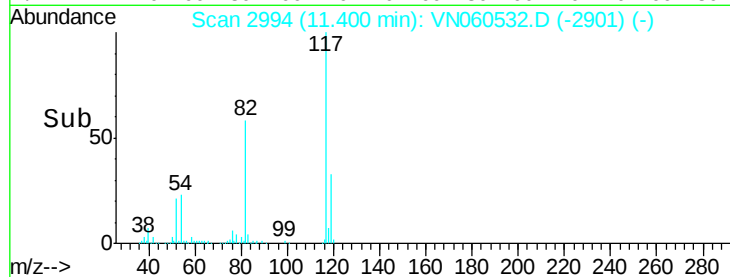
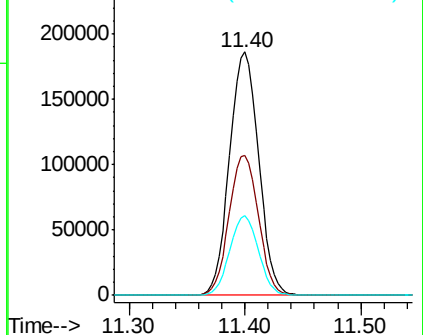
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN060532.D

Acq: 16 Mar 2020 18:38

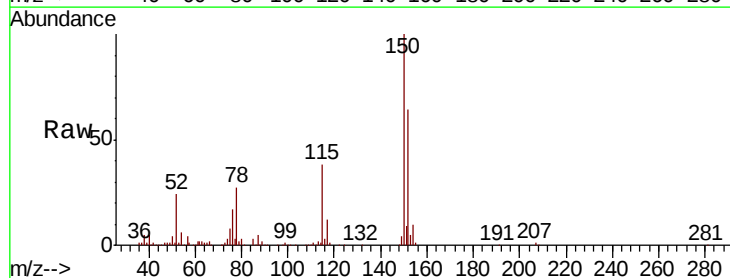
Tgt Ion:152 Resp: 149334

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

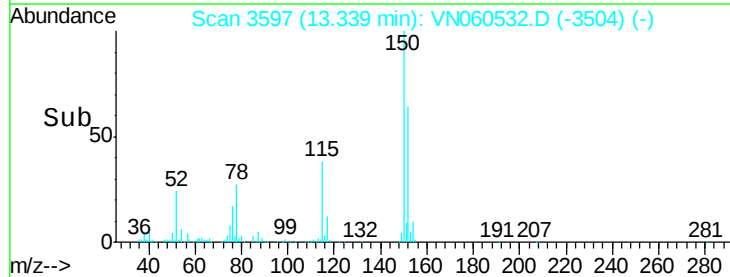
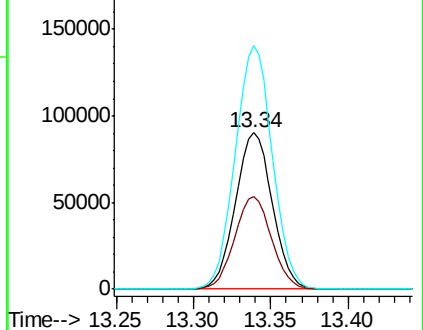
150 156.8 0.0 349.6

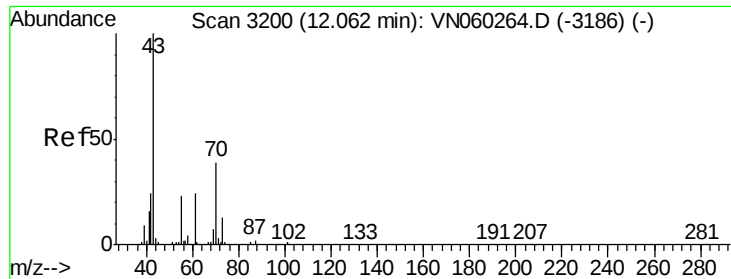


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.733 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#05

Tot Ion: 43 Resp: 3545

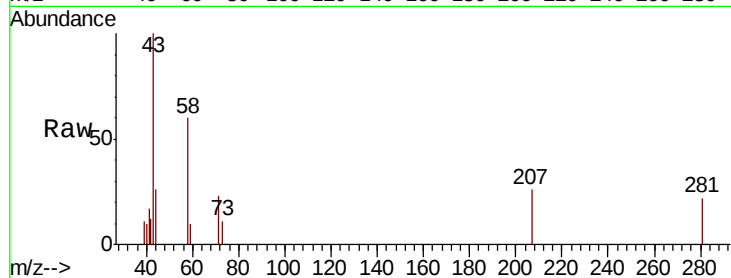
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

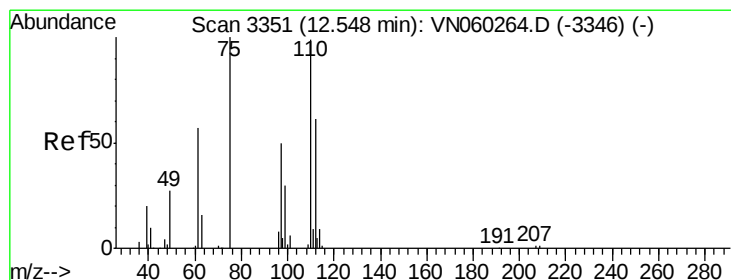
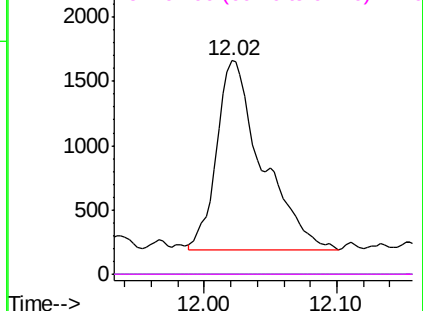
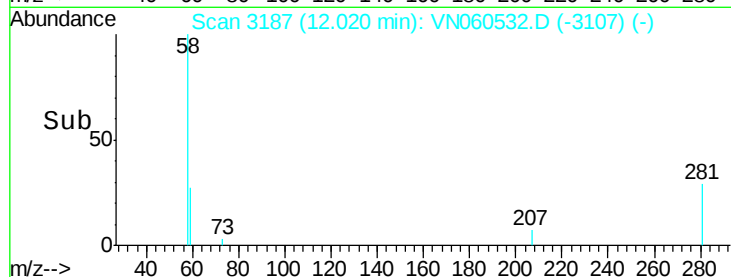


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.768 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060532.D

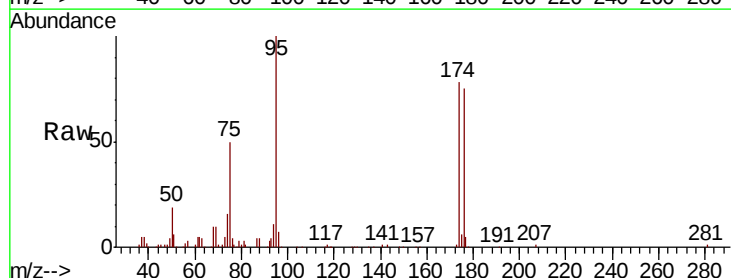
Acq: 16 Mar 2020 18:38

Tgt Ion: 75 Resp: 81149

Ion Ratio Lower Upper

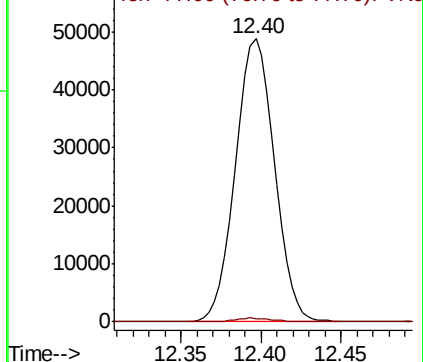
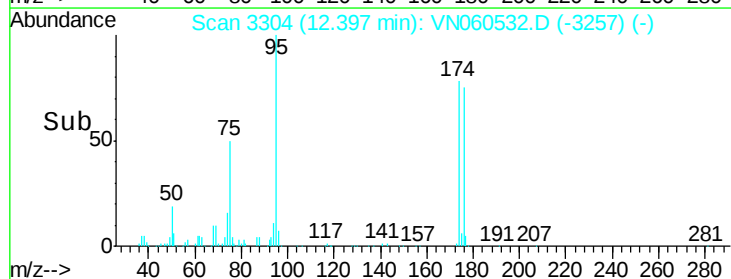
75 100

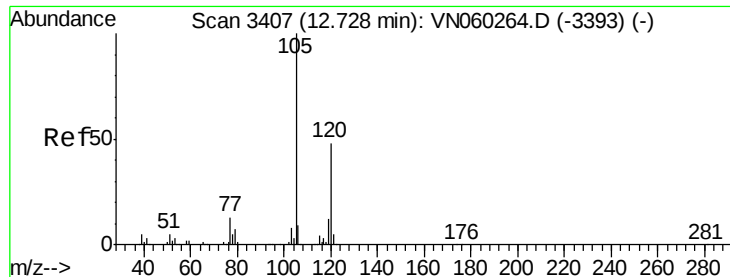
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.325 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

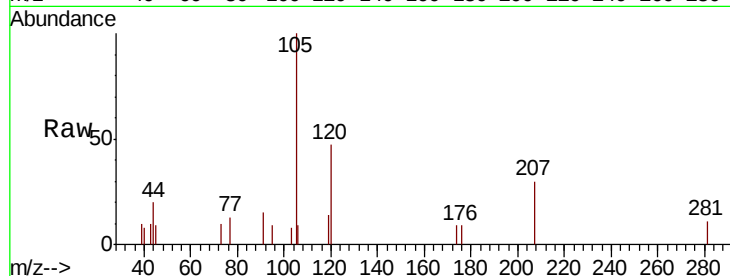
PB127541ZHE#05

Tot Ion:105 Resp: 3033

Ion Ratio Lower Upper

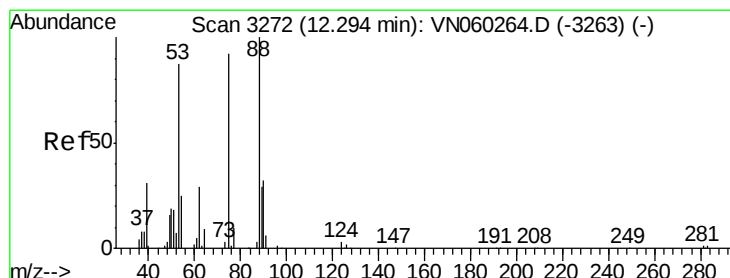
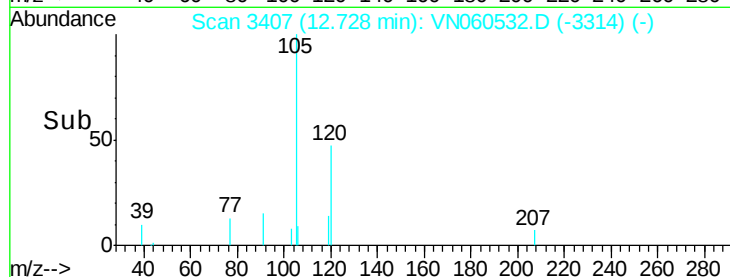
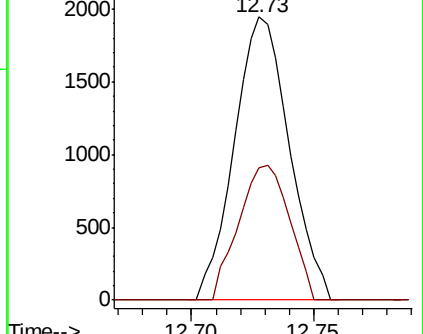
105 100

120 44.2 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: 68.371 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060532.D

Acq: 16 Mar 2020 18:38

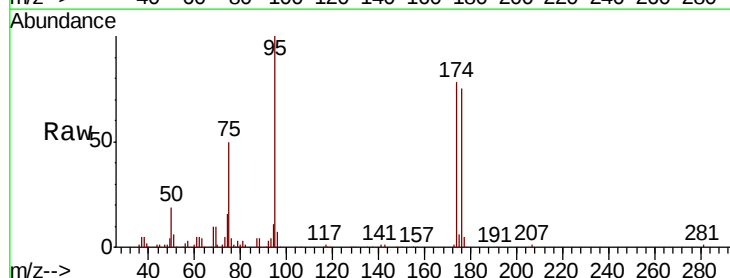
Tgt Ion: 75 Resp: 81149

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

