

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060534.D
 Acq On : 16 Mar 2020 19:23
 Operator : JC/MD
 Sample : PB127541ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#07

Quant Time: Mar 17 08:46:58 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	200644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137872	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	130554	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.57	113	98859	63.72	ug/l	0.00
Spiked Amount			Recovery	=	127.44%	
50) Toluene-d8	10.08	98	415300	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.40	95	149781	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	

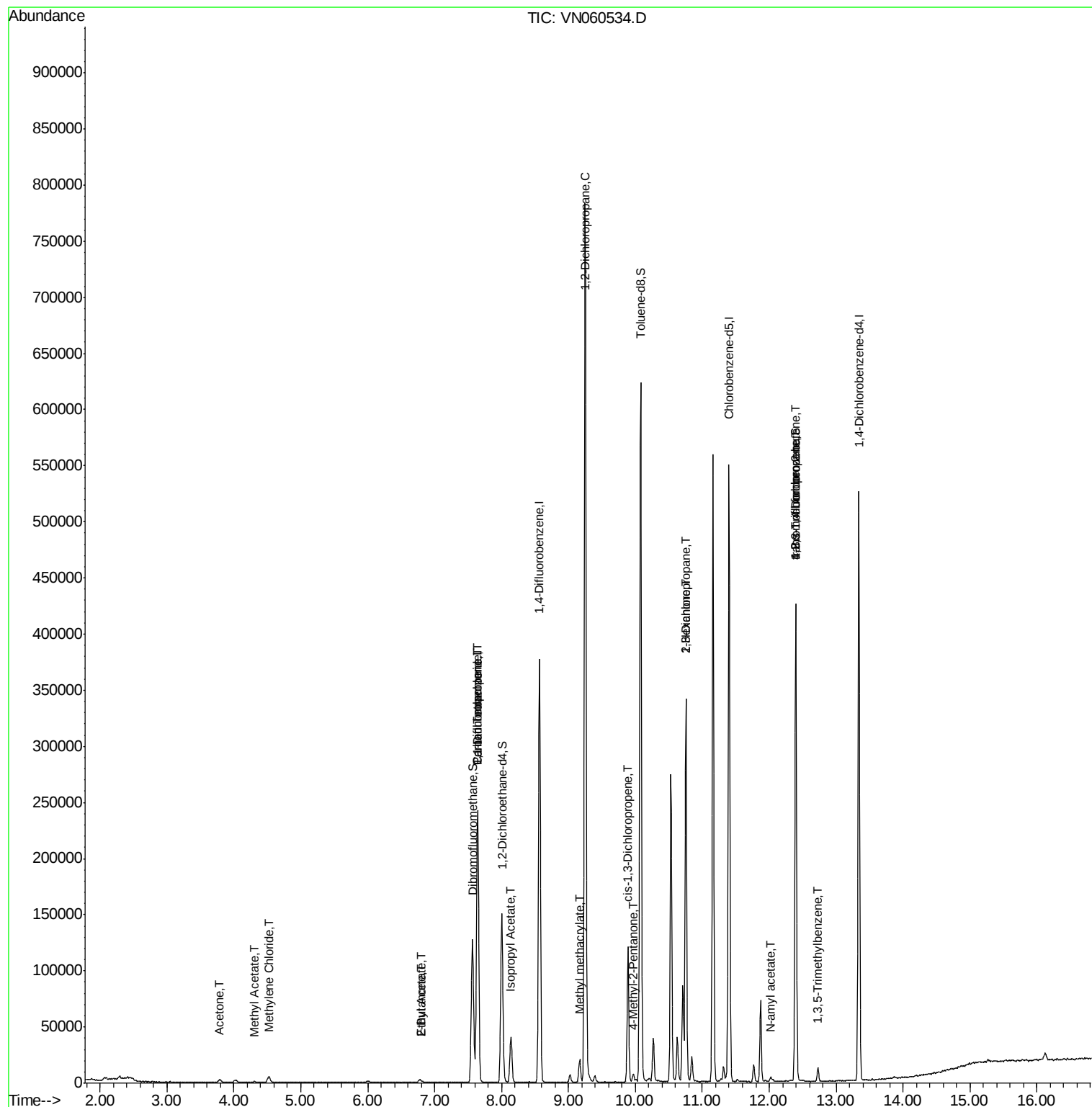
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5491	6.605	ug/l	95
18) Methyl Acetate	4.29	43	790	0.285	ug/l #	52
20) Methylene Chloride	4.53	84	4060	1.778	ug/l	98
25) 2-Butanone	6.81	43	1117	0.832	ug/l #	49
31) Cyclohexane	7.64	56	4158	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15597	4.896	ug/l #	49
37) Ethyl Acetate	6.81	43	1117	0.370	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19194	6.188	ug/l #	16
43) Isopropyl Acetate	8.14	43	49748	9.421	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	860	0.355	ug/l #	44
48) Methyl methacrylate	9.16	41	3577	1.485	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5359	1.790	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	21856	5.381	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3334	0.873	ug/l #	42
59) 2-Hexanone	10.75	43	51219	23.299	ug/l #	52
74) N-amyl acetate	12.02	43	2823	0.632	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75510	24.963	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7092	0.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75510	68.909	ug/l #	8
95) Naphthalene	15.12	128	29	Below Cal	#	69

(#) = 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# 1825

Delta R.T. -0.00 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

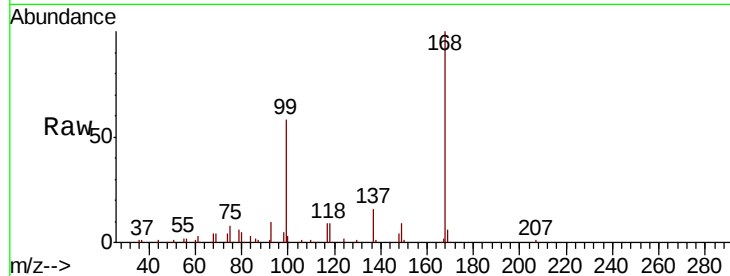
PB127541ZHE#07

Tot Ion:168 Resp: 200644

Ion Ratio Lower Upper

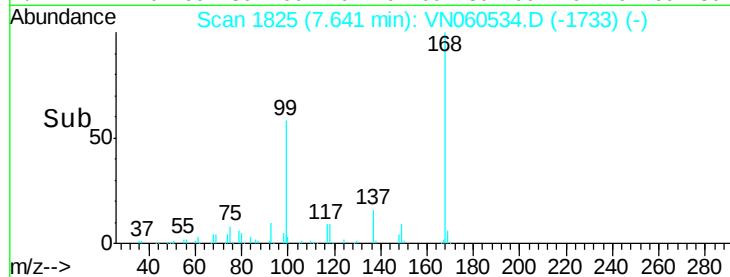
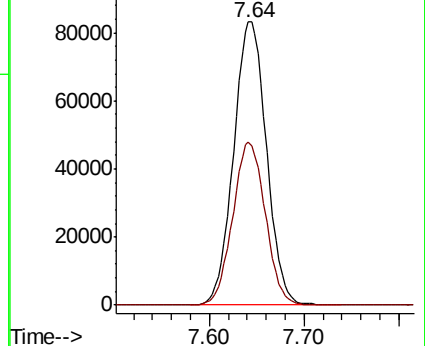
168 100

99 57.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.605 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060534.D

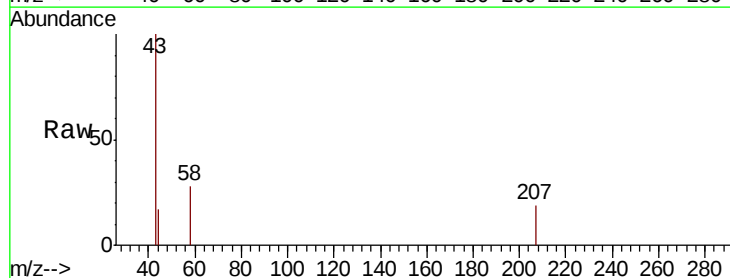
Acq: 16 Mar 2020 19:23

Tgt Ion: 43 Resp: 5491

Ion Ratio Lower Upper

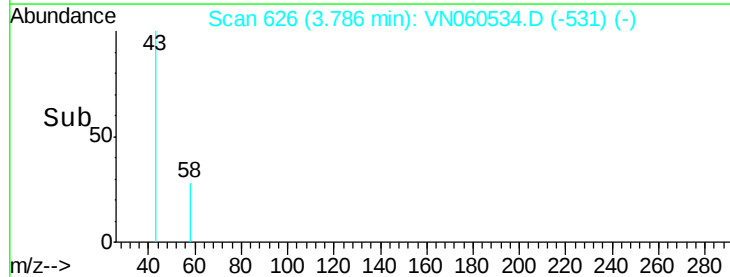
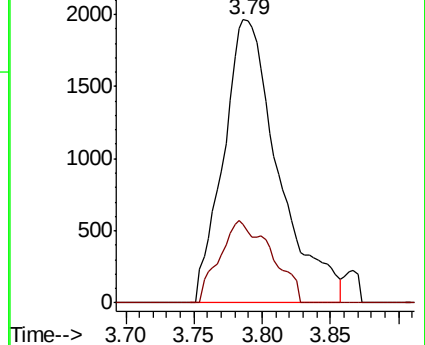
43 100

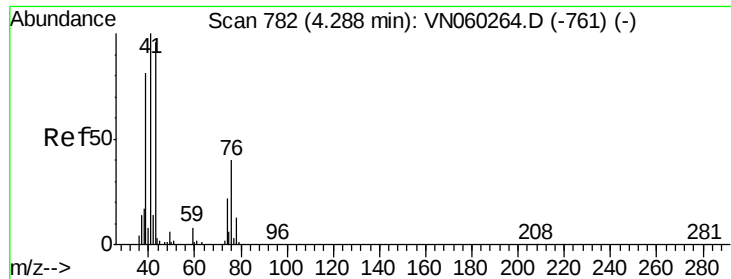
58 27.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

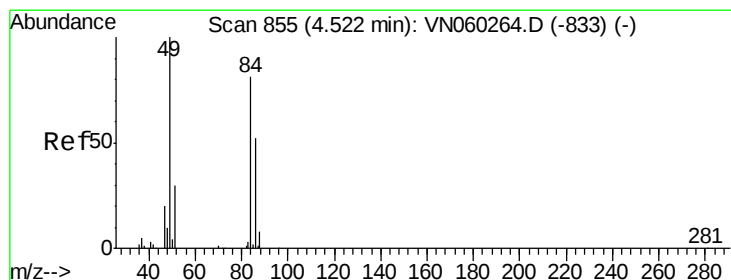
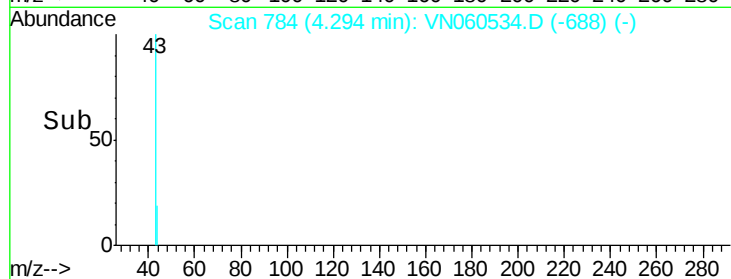
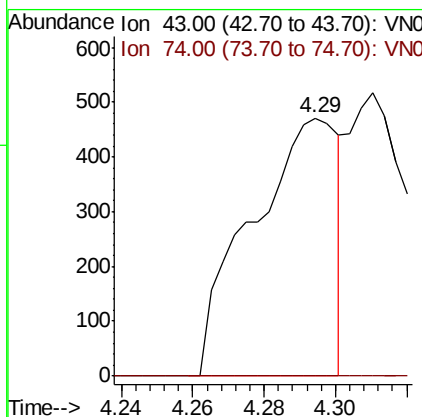
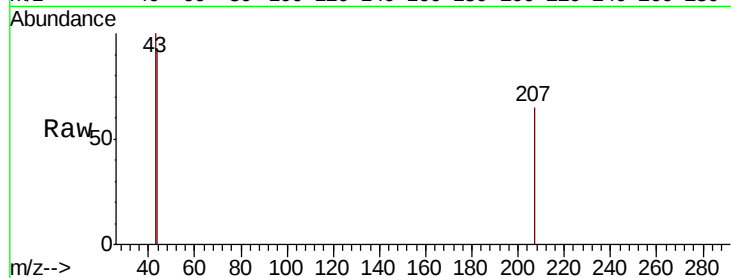




#18
Methvl Acetate
Concen: 0.285 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

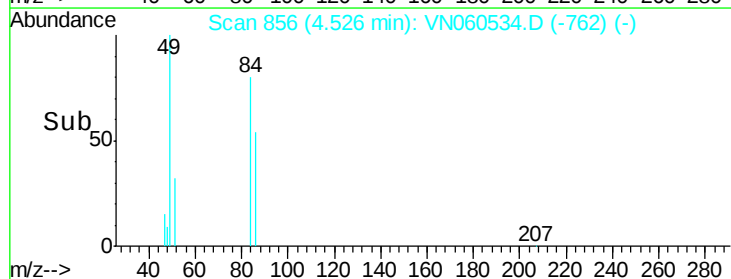
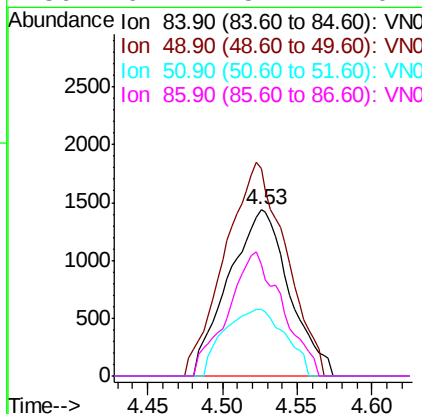
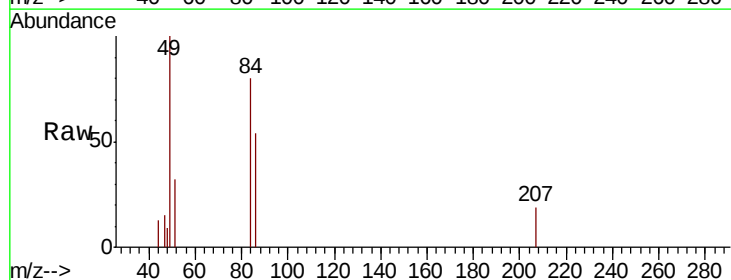
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#07

Tot Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.778 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

Tgt Ion: 84 Resp: 4060
Ion Ratio Lower Upper
84 100
49 125.0 99.3 148.9
51 39.8 30.1 45.1
86 67.4 51.1 76.7

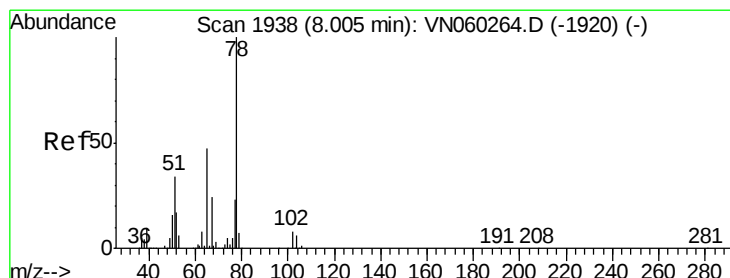
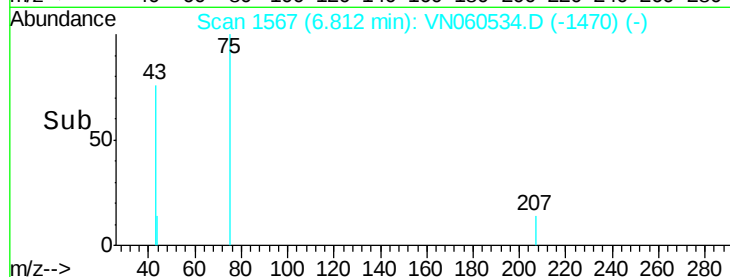
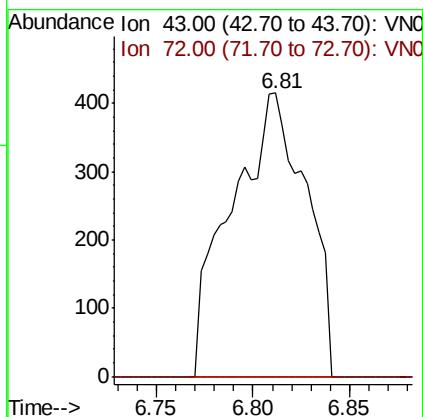
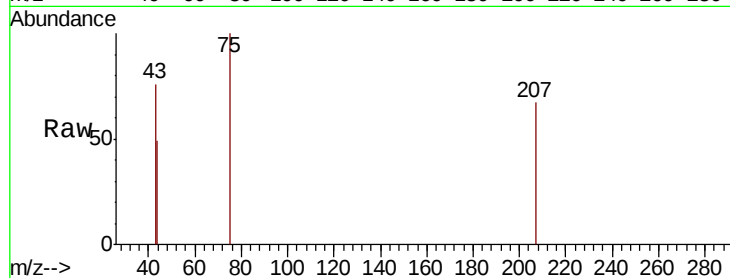




#25
 2-Butanone
 Concen: 0.832 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060534.D
 Acq: 16 Mar 2020 19:23

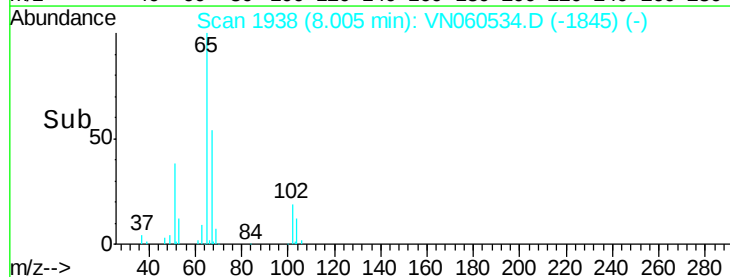
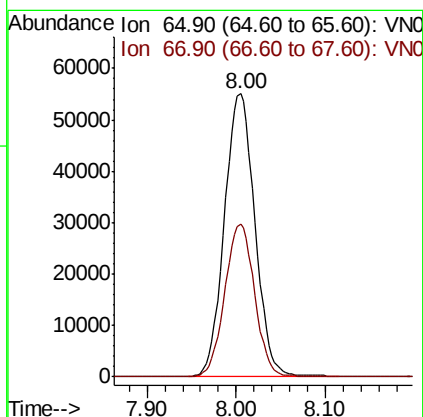
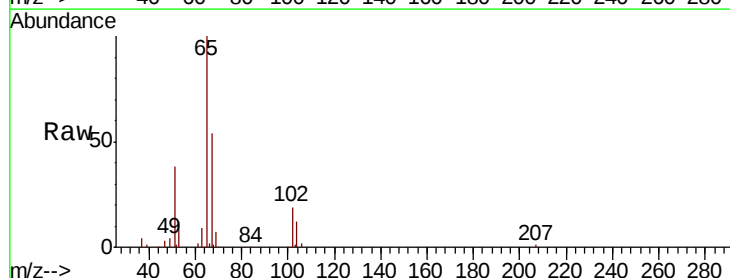
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#07

Tot Ion: 43 Resp: 1117
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.715 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060534.D
 Acq: 16 Mar 2020 19:23

Tgt Ion: 65 Resp: 130554
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8

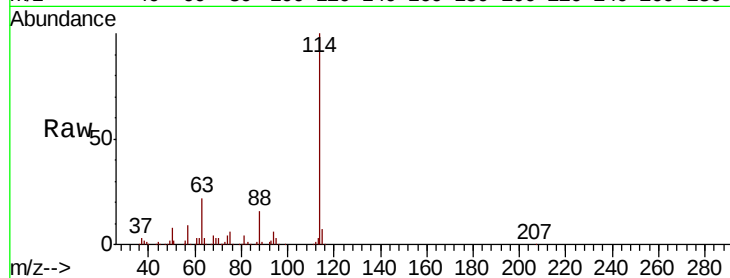




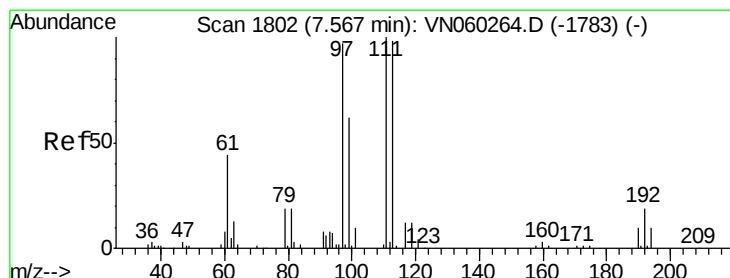
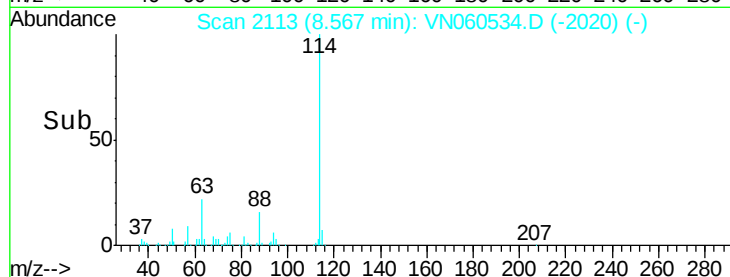
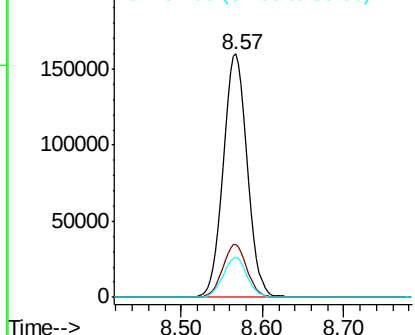
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#07

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.5	0.0	31.6

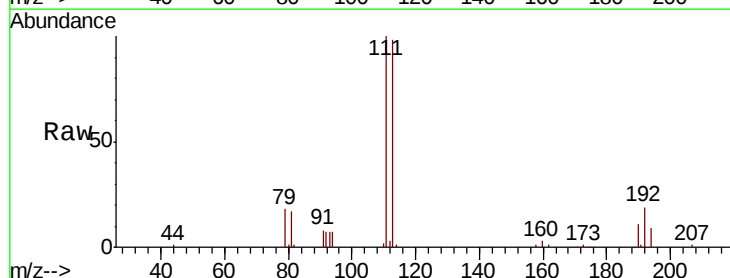


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

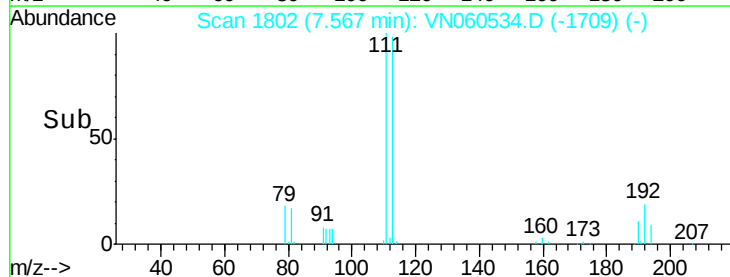
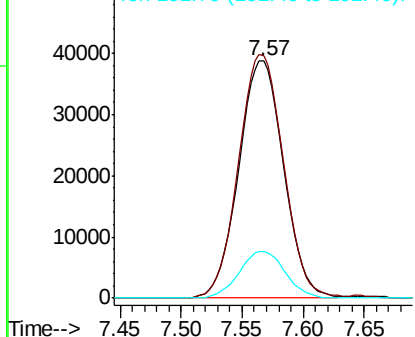


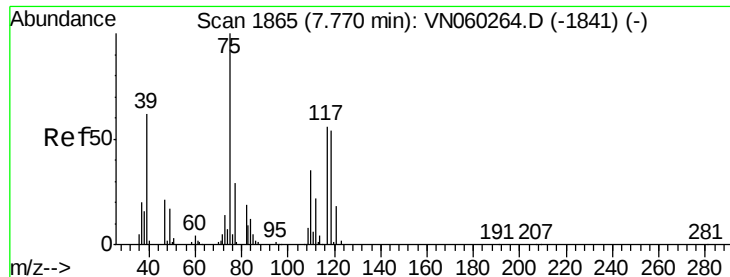
#35
Dibromofluoromethane
Concen: 63.718 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	20.1	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: 4.896 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#07

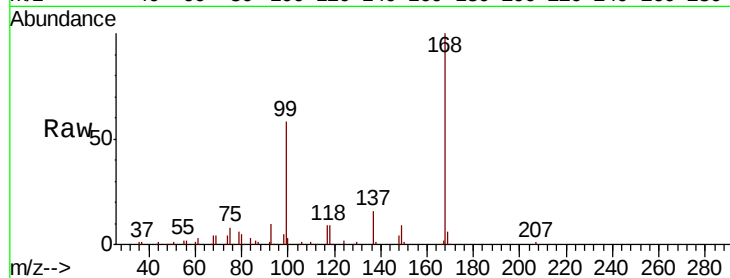
Tot Ion: 75 Resp: 15597

Ion Ratio Lower Upper

75 100

110 8.0 17.3 52.0#

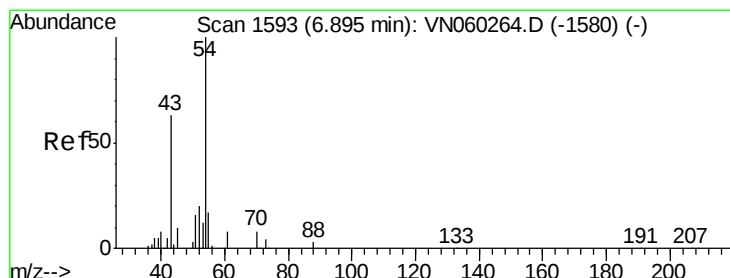
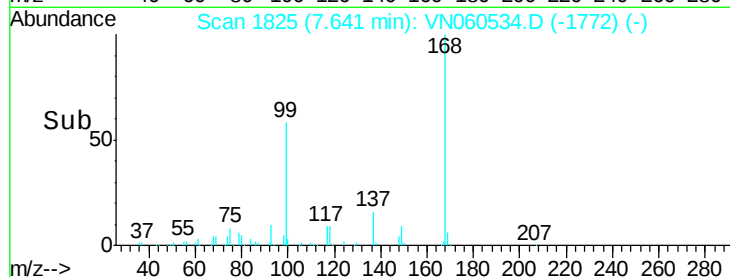
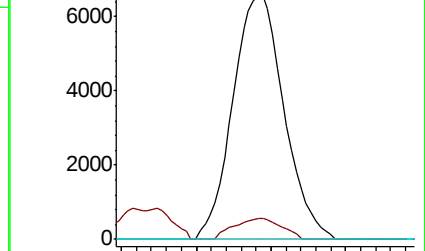
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.370 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

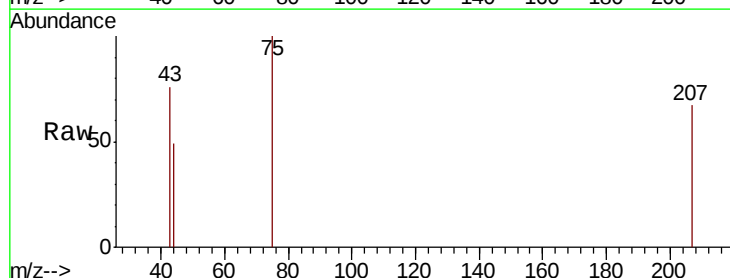
Tgt Ion: 43 Resp: 1117

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

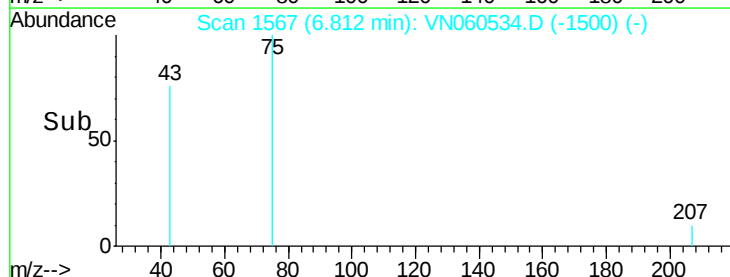
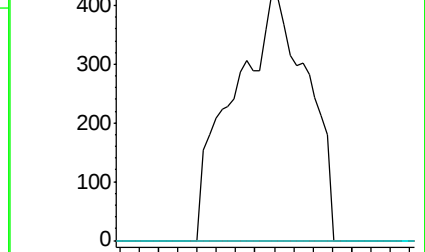
70 0.0 8.4 12.6#

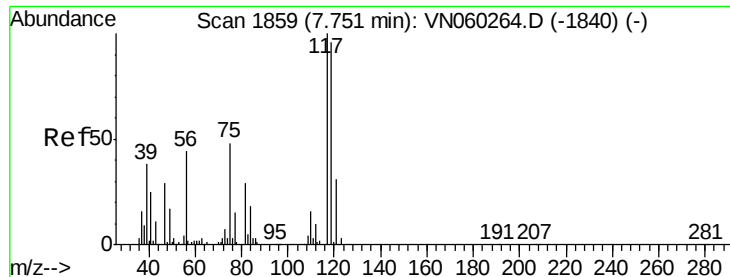


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#07

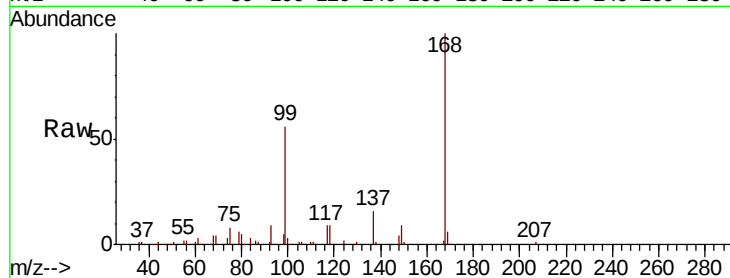
Tot Ion:117 Resp: 19194

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

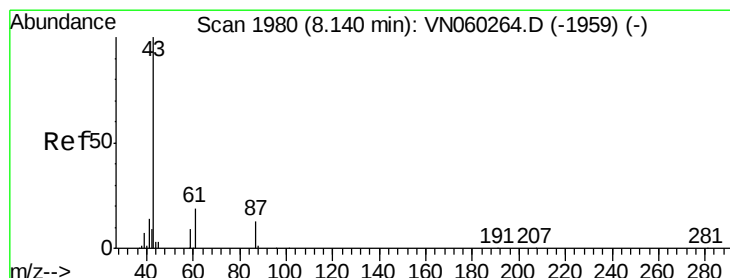
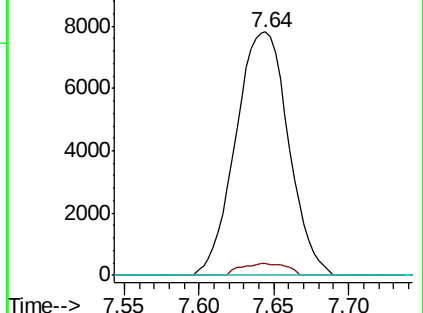
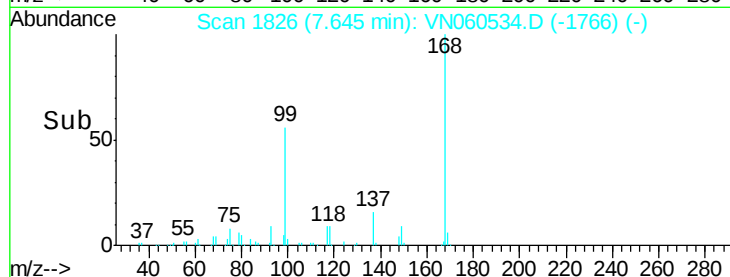
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.421 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

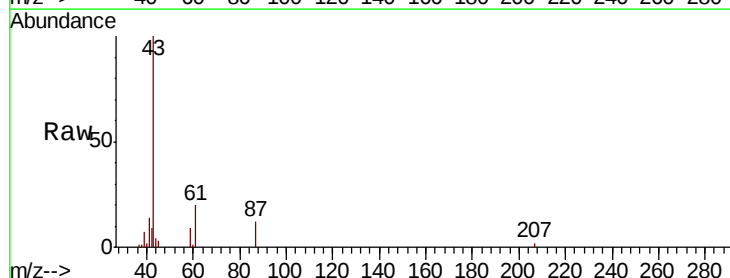
Tgt Ion: 43 Resp: 49748

Ion Ratio Lower Upper

43 100

61 19.5 20.9 31.3#

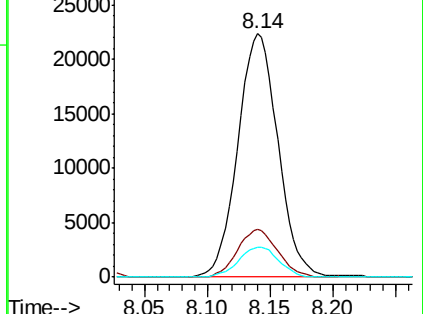
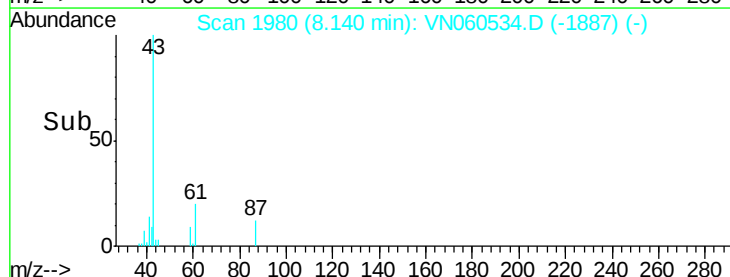
87 12.3 10.6 16.0

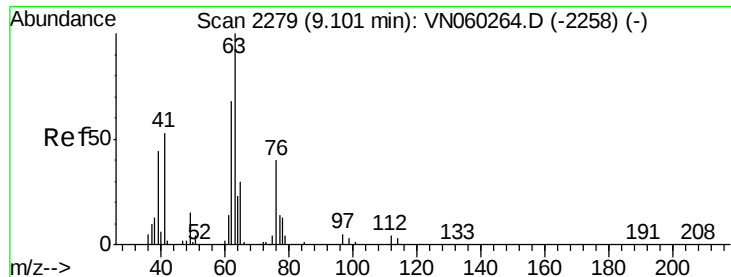


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.355 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

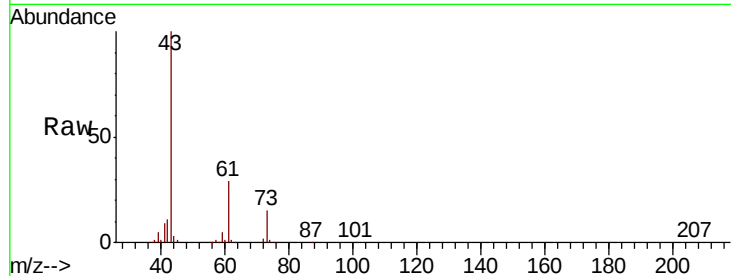
PB127541ZHE#07

Tot Ion: 63 Resp: 860

Ion Ratio Lower Upper

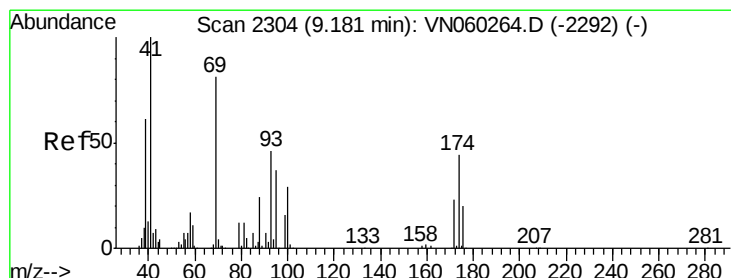
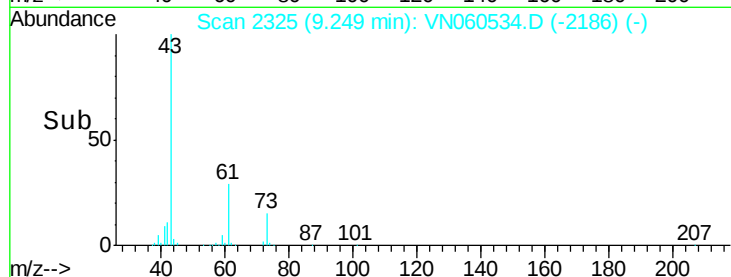
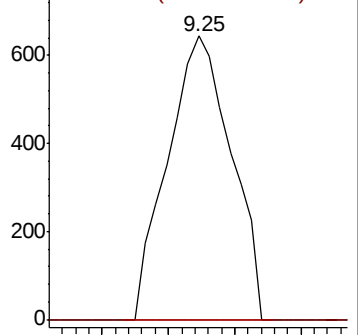
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.485 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

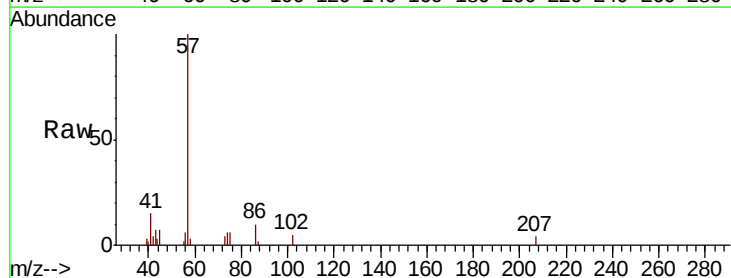
Tgt Ion: 41 Resp: 3577

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

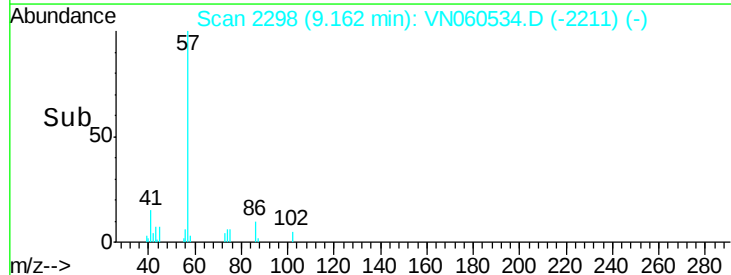
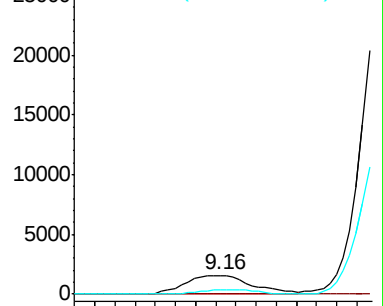
39 0.0 50.1 75.1#

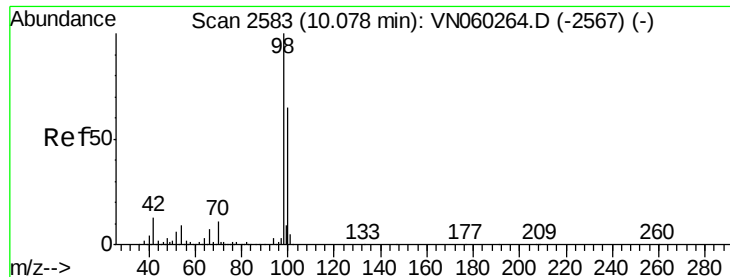


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 52.888 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

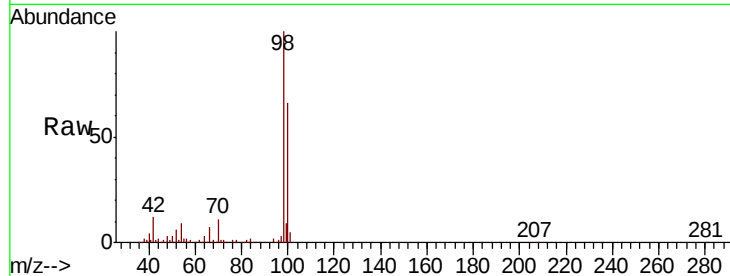
PB127541ZHE#07

Tot Ion: 98 Resp: 415300

Ion Ratio Lower Upper

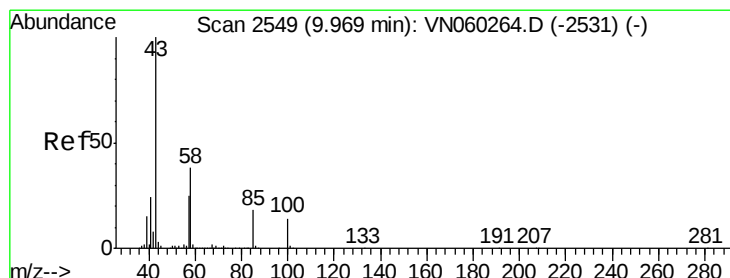
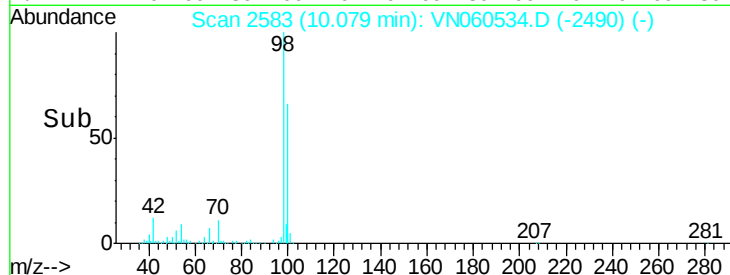
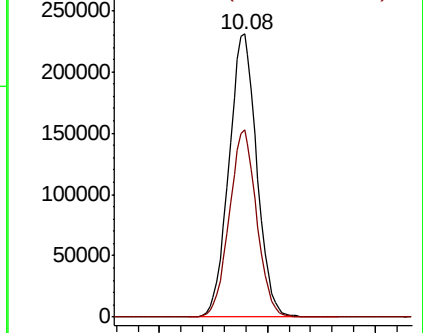
98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.790 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060534.D

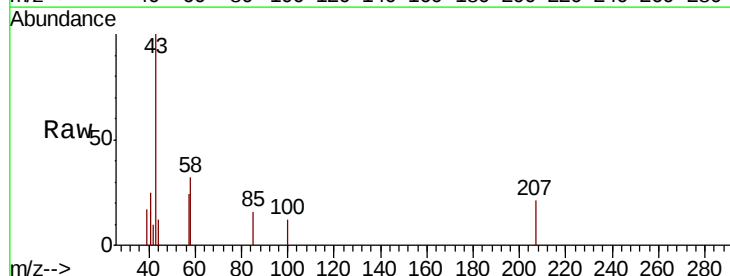
Acq: 16 Mar 2020 19:23

Tgt Ion: 43 Resp: 5359

Ion Ratio Lower Upper

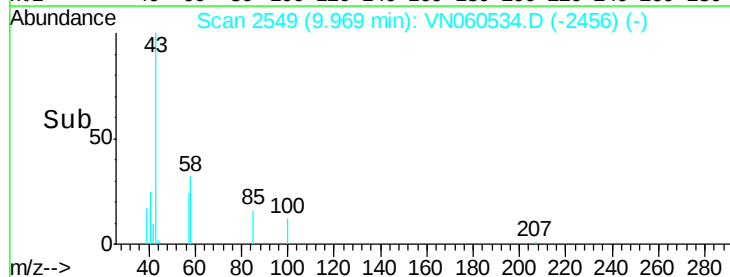
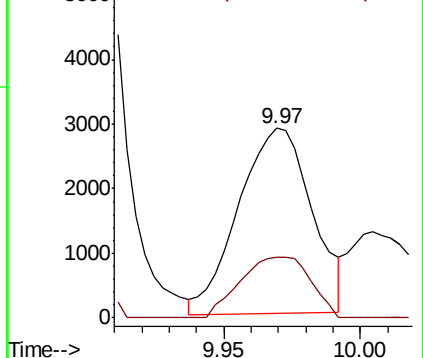
43 100

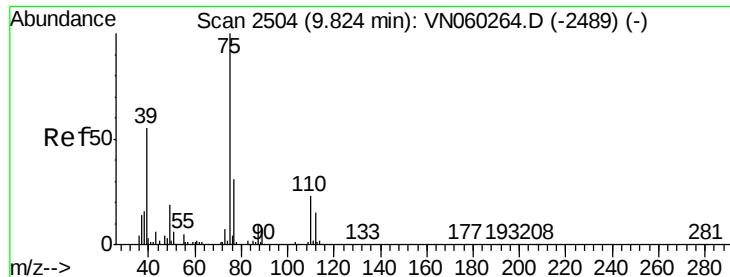
58 31.5 30.9 46.3



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: 5.381 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#07

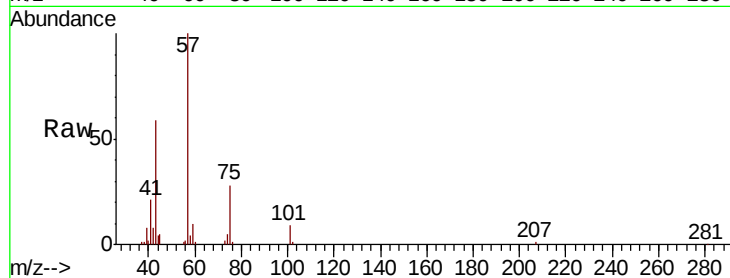
Tot Ion: 75 Resp: 21856

Ion Ratio Lower Upper

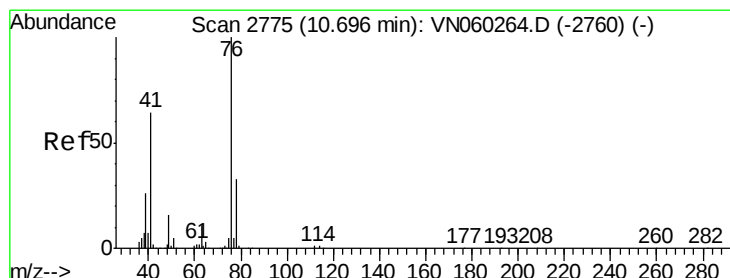
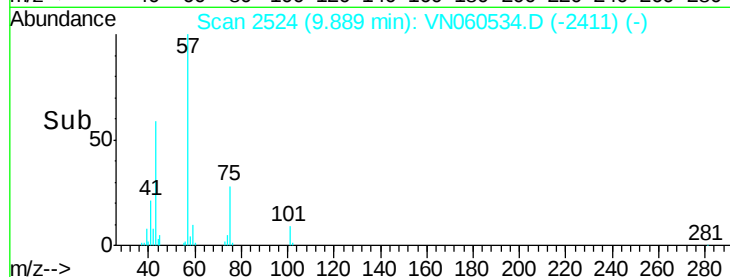
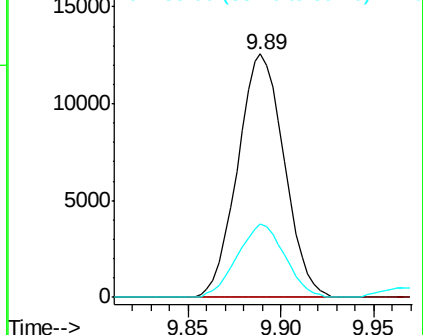
75 100

77 0.0 24.8 37.2#

39 29.9 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 0.873 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060534.D

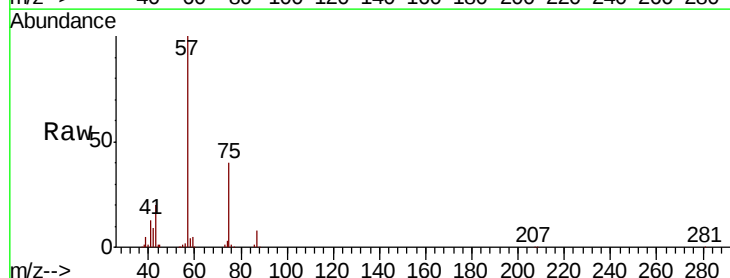
Acq: 16 Mar 2020 19:23

Tgt Ion: 76 Resp: 3334

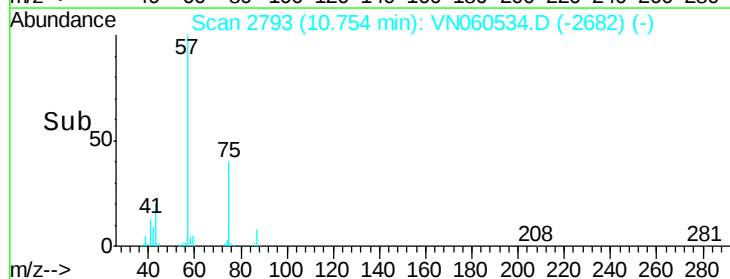
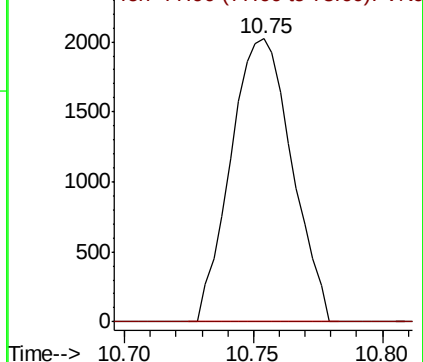
Ion Ratio Lower Upper

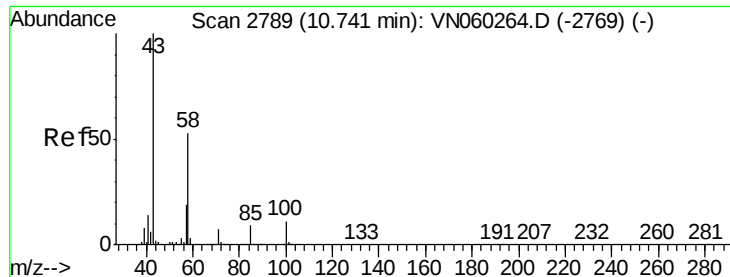
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

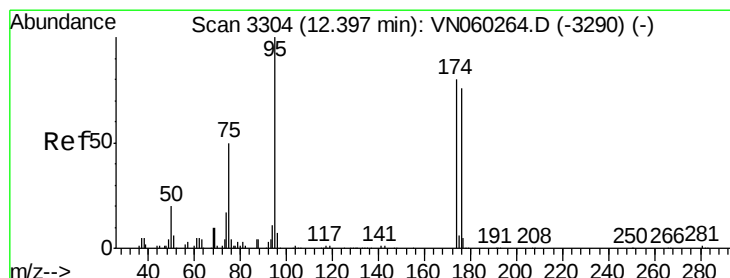
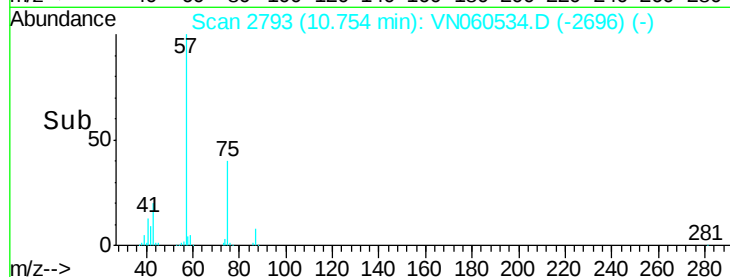
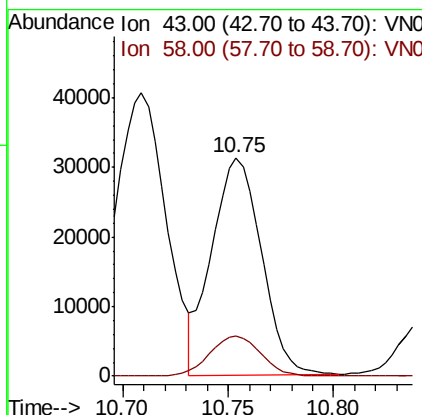
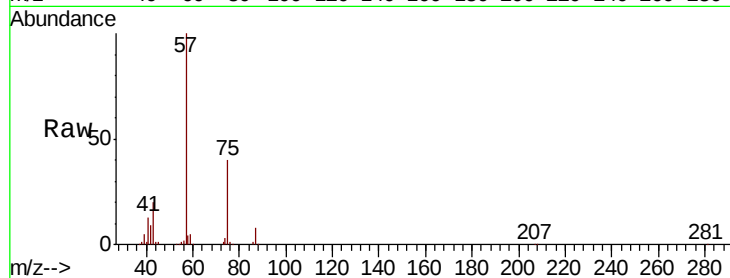




#59
2-Hexanone
Concen: 23.299 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

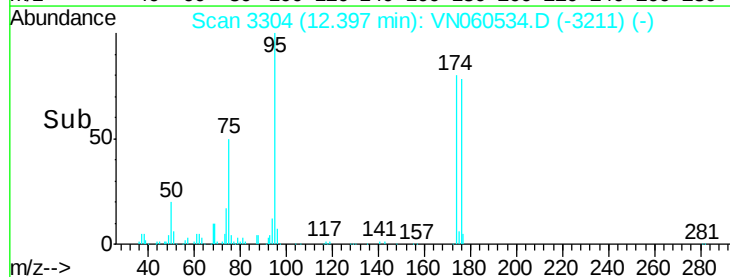
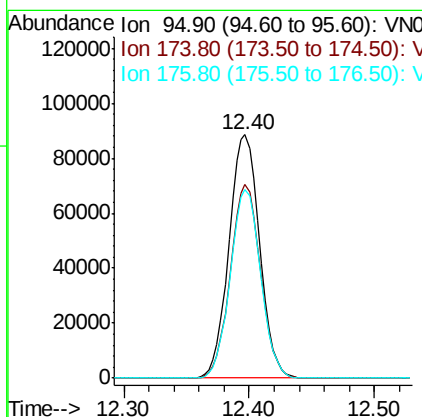
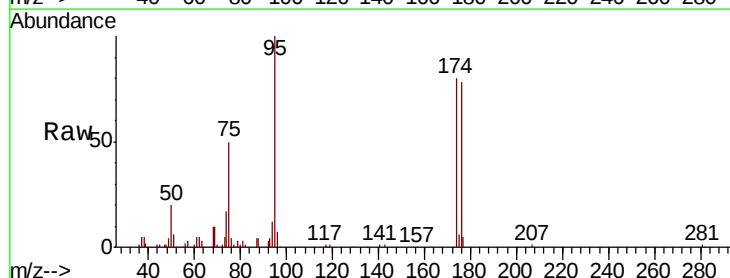
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#07

Tot Ion: 43 Resp: 51219
Ion Ratio Lower Upper
43 100
58 18.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 50.319 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

Tgt Ion: 95 Resp: 149781
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 76.7 0.0 153.8

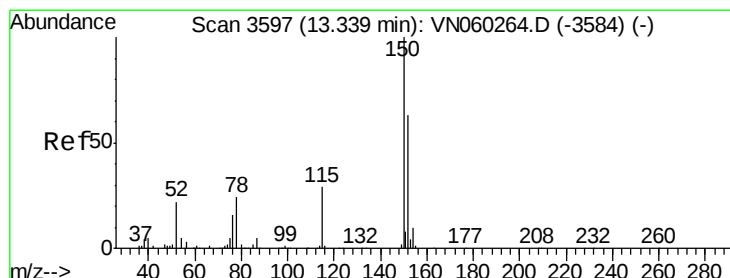
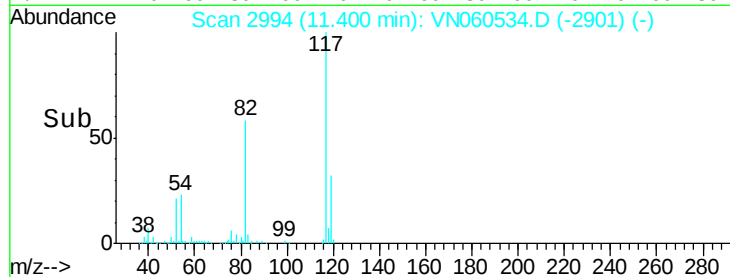
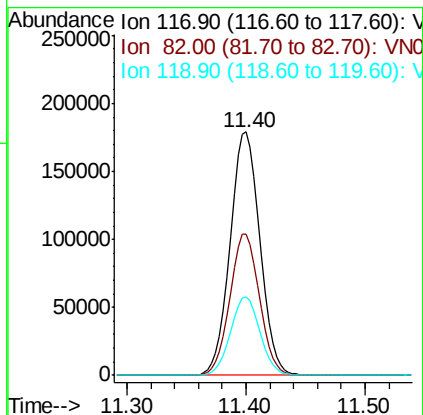
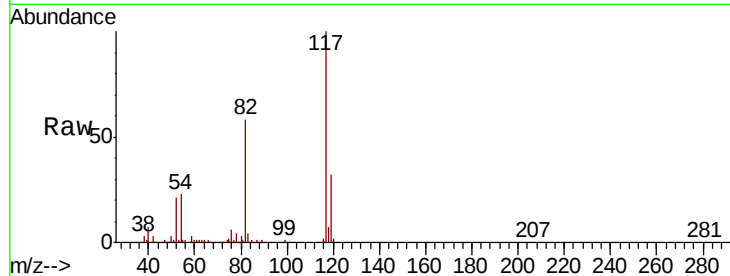




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

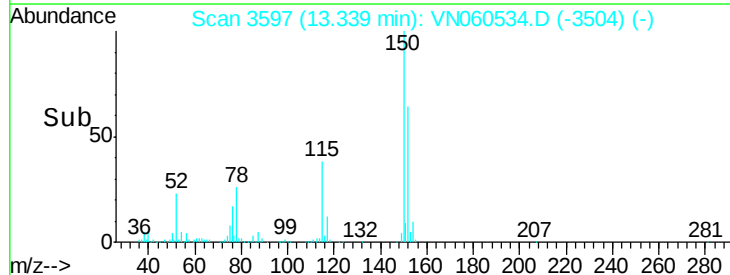
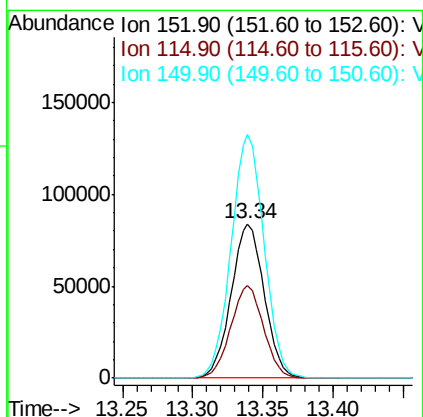
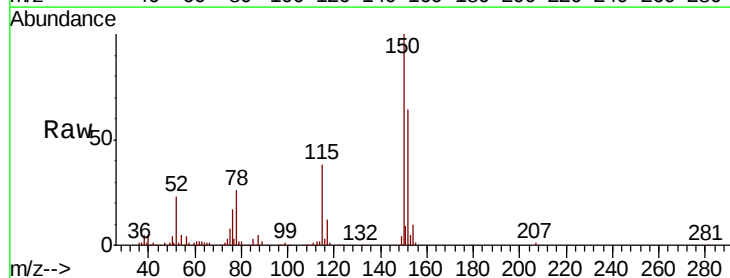
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#07

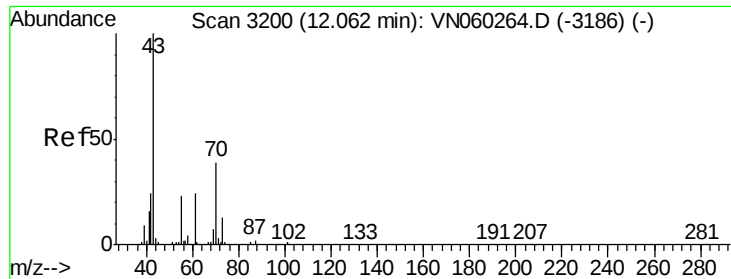
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.6
119	32.4	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060534.D
Acq: 16 Mar 2020 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.0	90.0
150	157.5	0.0	349.6





#74

N-amvl acetate

Concen: 0.632 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#07

Tot Ion: 43 Resp: 2823

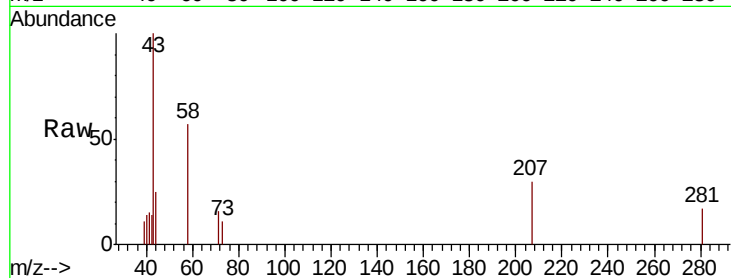
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

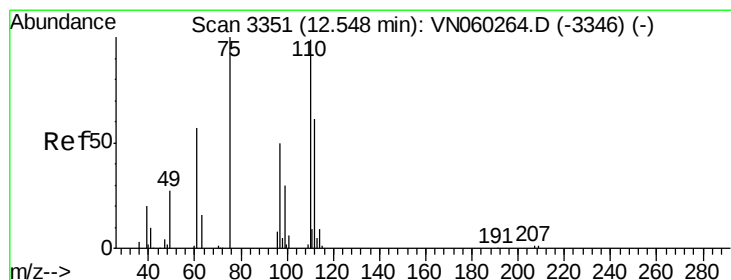
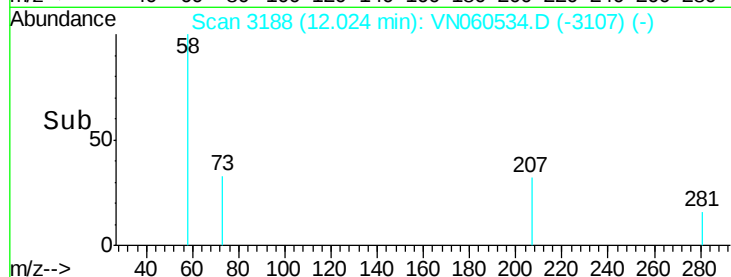
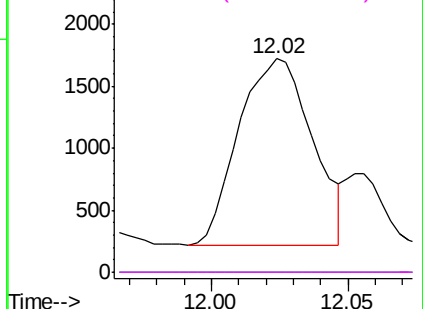


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.963 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060534.D

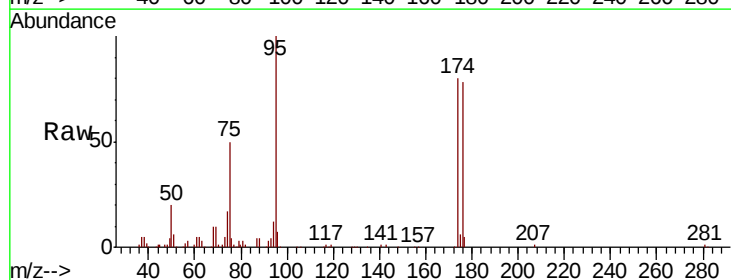
Acq: 16 Mar 2020 19:23

Tgt Ion: 75 Resp: 75510

Ion Ratio Lower Upper

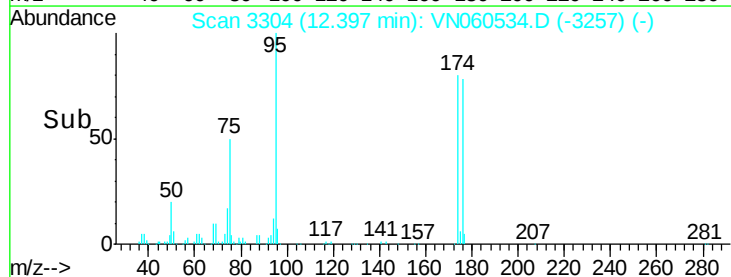
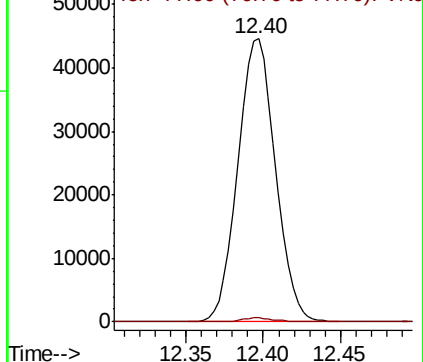
75 100

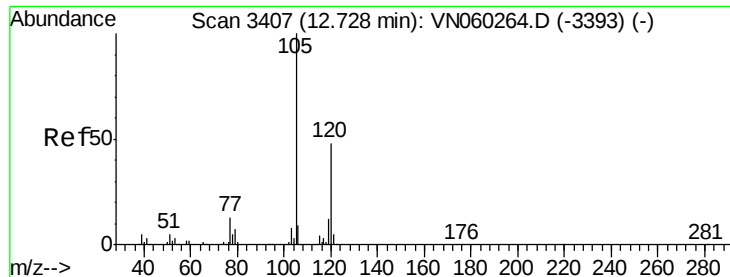
77 1.2 0.0 0.0#



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: 0.824 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

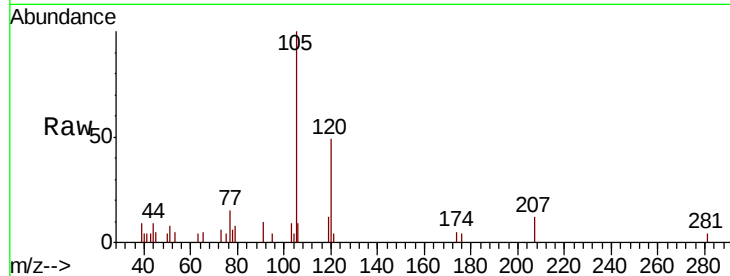
PB127541ZHE#07

Tot Ion:105 Resp: 7092

Ion Ratio Lower Upper

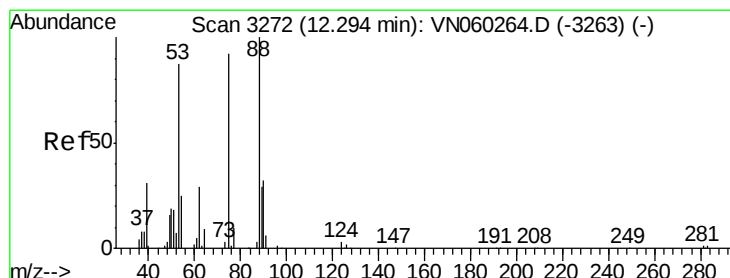
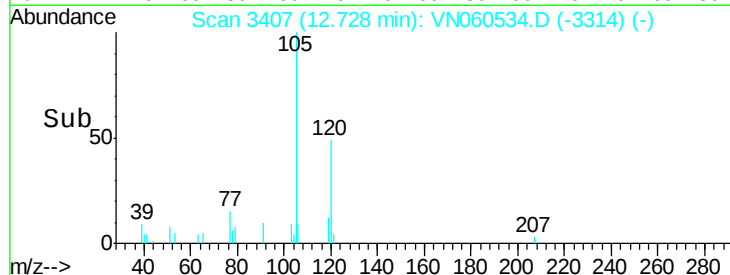
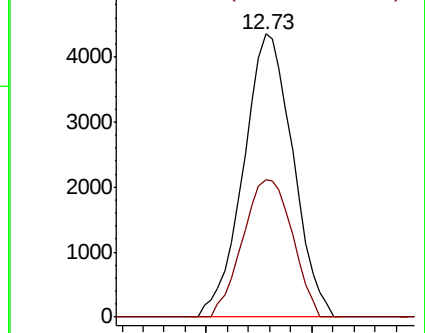
105 100

120 48.5 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: 68.909 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060534.D

Acq: 16 Mar 2020 19:23

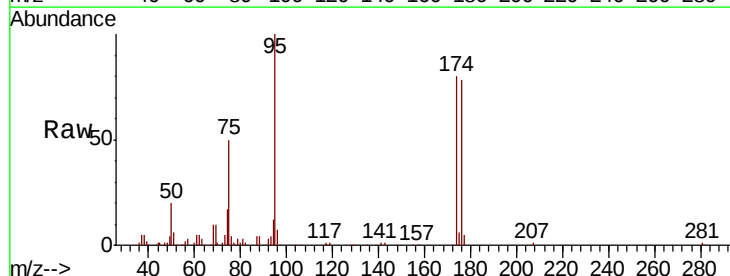
Tgt Ion: 75 Resp: 75510

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

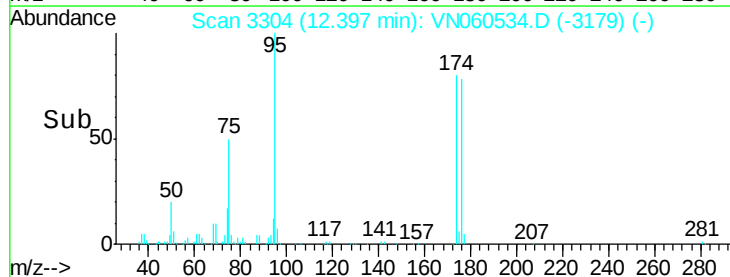
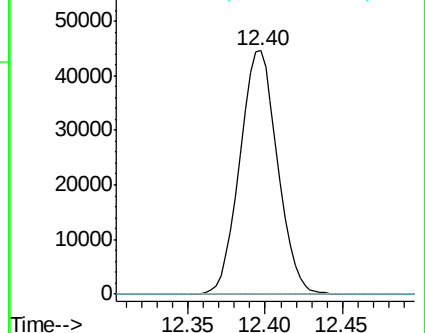
89 0.0 57.1 85.7#

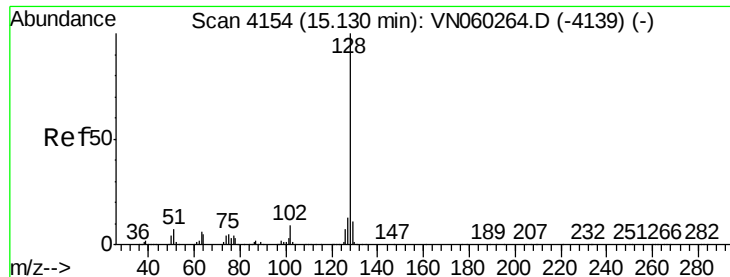


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN060534.D

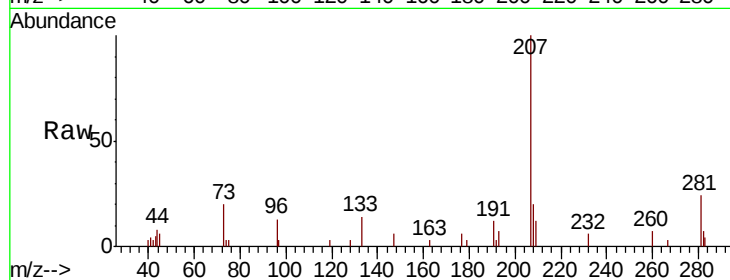
Acq: 16 Mar 2020 19:23

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#07



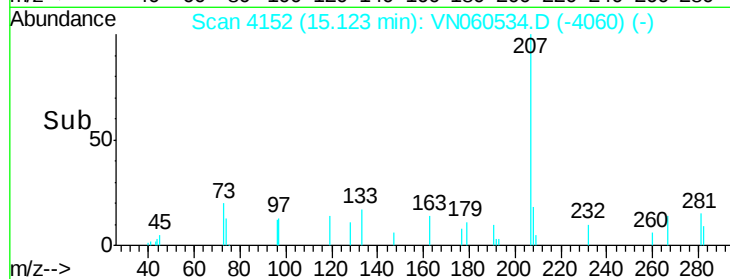
Tot Ion:128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

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