

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060536.D
 Acq On : 16 Mar 2020 20:08
 Operator : JC/MD
 Sample : PB127541ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#09

Quant Time: Mar 17 08:47:24 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	215462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	358888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	339288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155208	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	138281	50.02	ug/l	0.00
Spiked Amount						
			Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	107826	64.73	ug/l	0.00
Spiked Amount						
			Recovery	=	129.46%	
50) Toluene-d8	10.08	98	445082	52.79	ug/l	0.00
Spiked Amount						
			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	166329	52.04	ug/l	0.00
Spiked Amount						
			Recovery	=	104.08%	

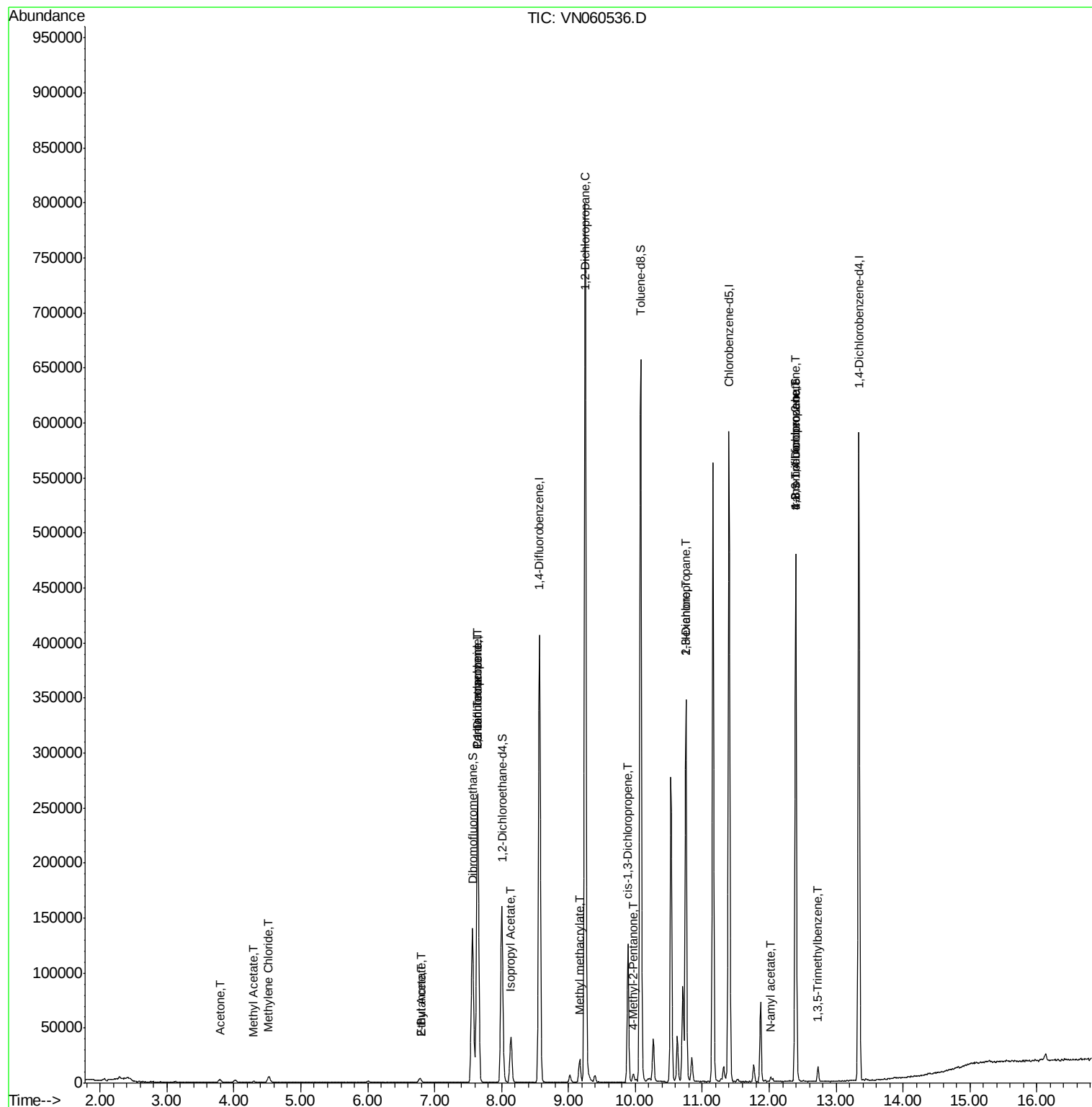
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5357	6.001	ug/l	97
18) Methyl Acetate	4.30	43	1517	0.509	ug/l #	52
20) Methylene Chloride	4.52	84	4010	1.636	ug/l	98
25) 2-Butanone	6.81	43	1155	0.801	ug/l #	49
31) Cyclohexane	7.64	56	4631	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16519	4.830	ug/l #	49
37) Ethyl Acetate	6.81	43	1155	0.357	ug/l #	68
38) Carbon Tetrachloride	7.64	117	20744	6.229	ug/l #	16
43) Isopropyl Acetate	8.14	43	50782	8.956	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	900	0.346	ug/l #	44
48) Methyl methacrylate	9.16	41	3929	1.520	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5063	1.575	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	22160	5.081	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3514	0.857	ug/l #	42
59) 2-Hexanone	10.75	43	52452	22.222	ug/l #	51
74) N-amyl acetate	12.02	43	3127	0.622	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	84796	24.901	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7185	0.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	84796	68.740	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# 1825

Delta R.T. -0.00 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

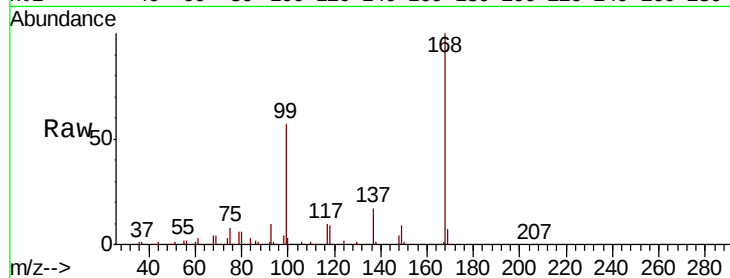
PB127541ZHE#09

Tot Ion:168 Resp: 215462

Ion Ratio Lower Upper

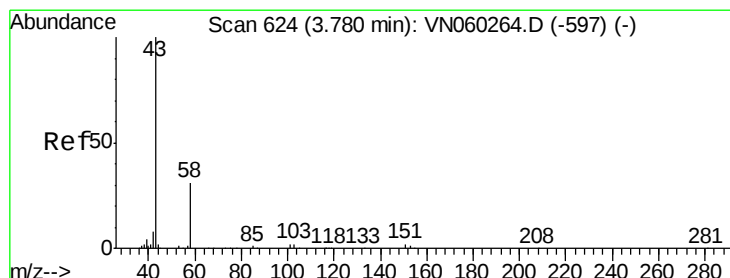
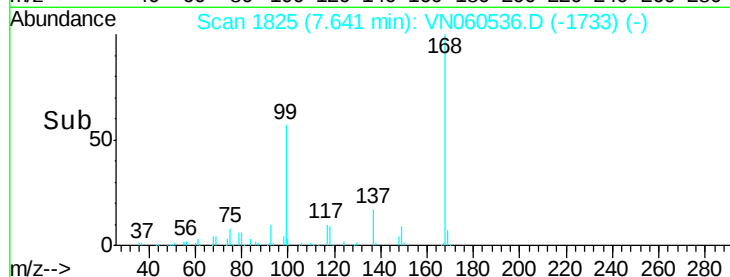
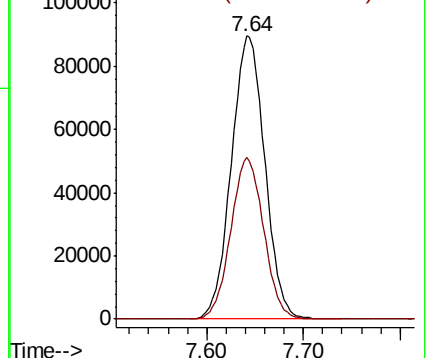
168 100

99 57.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060536.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060536.D (-1733) (-)



#16

Acetone

Concen: 6.001 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060536.D

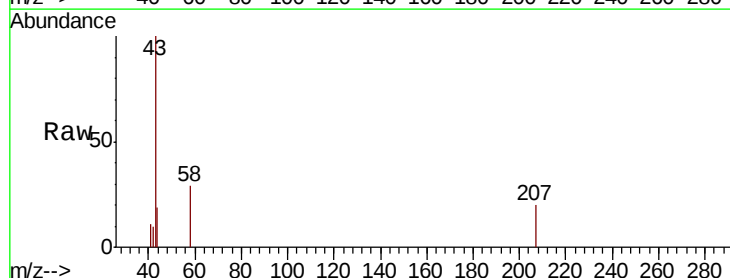
Acq: 16 Mar 2020 20:08

Tgt Ion: 43 Resp: 5357

Ion Ratio Lower Upper

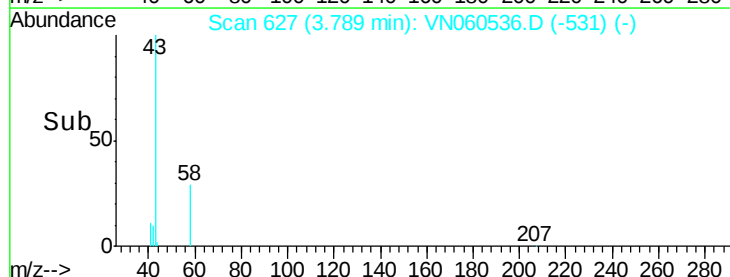
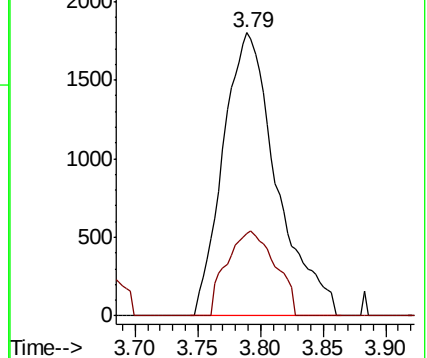
43 100

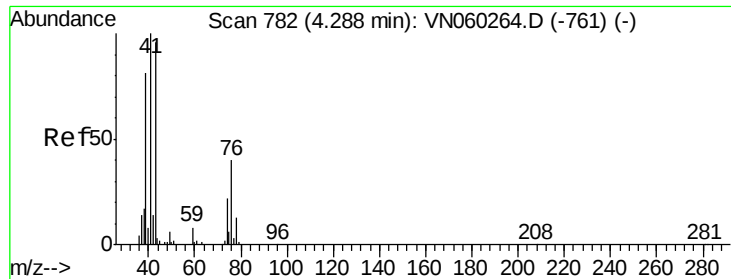
58 29.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060536.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060536.D (-531) (-)

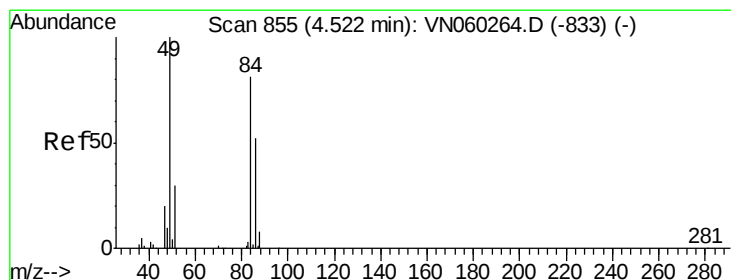
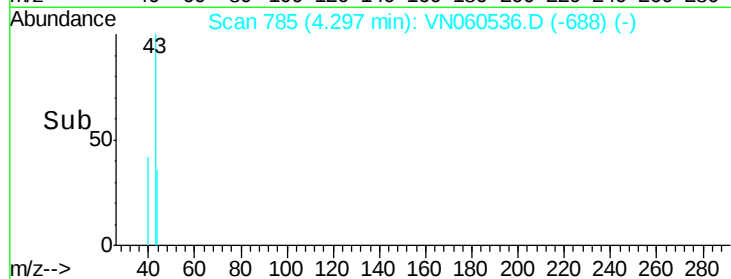
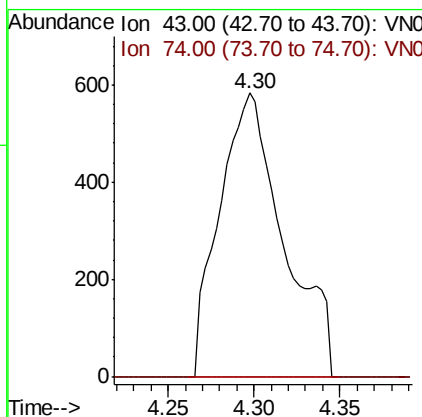
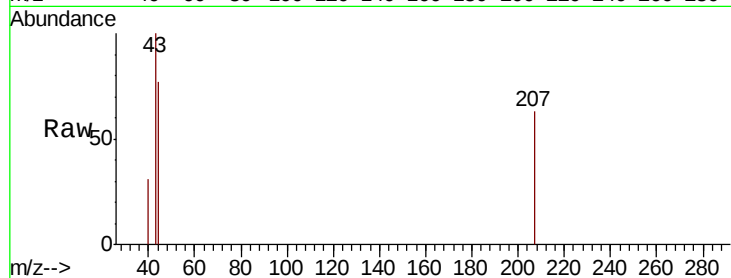




#18
Methvl Acetate
Concen: 0.509 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

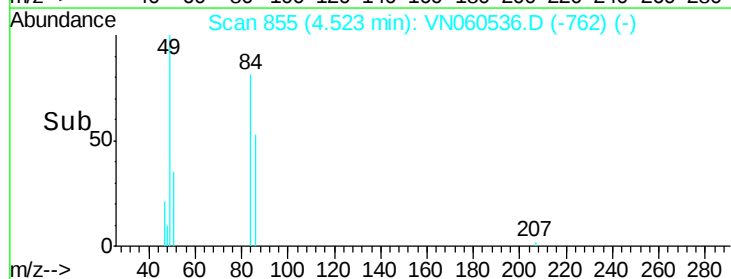
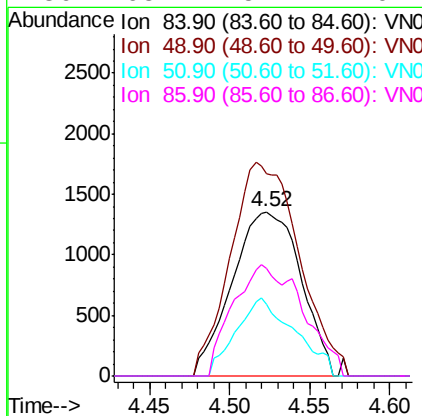
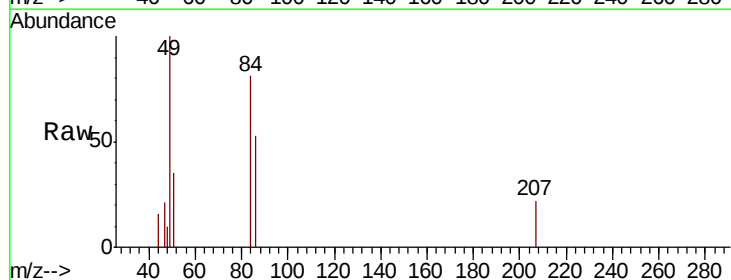
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#09

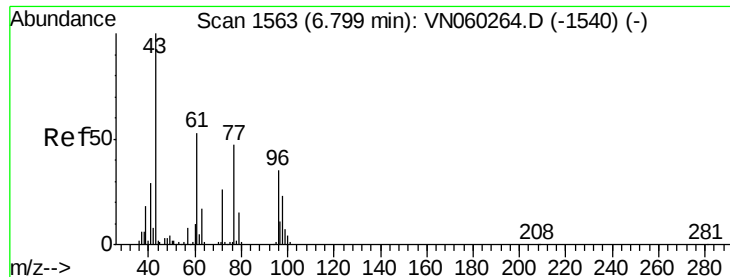
Tot Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.636 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

Tgt Ion: 84 Resp: 4010
Ion Ratio Lower Upper
84 100
49 123.7 99.3 148.9
51 43.6 30.1 45.1
86 65.2 51.1 76.7





#25

2-Butanone

Concen: 0.801 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

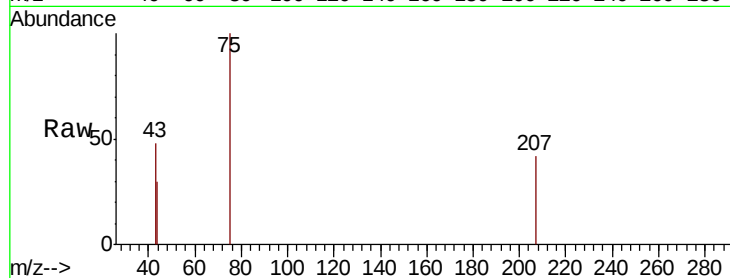
PB127541ZHE#09

Tot Ion: 43 Resp: 1155

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

6.81

400

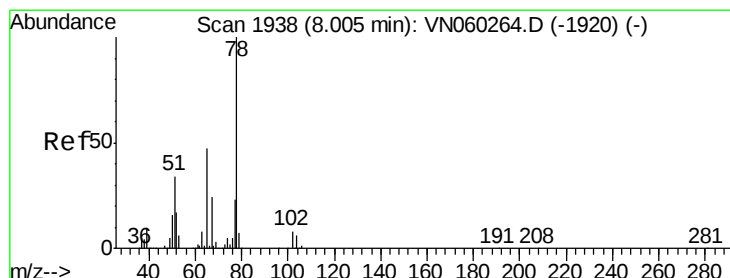
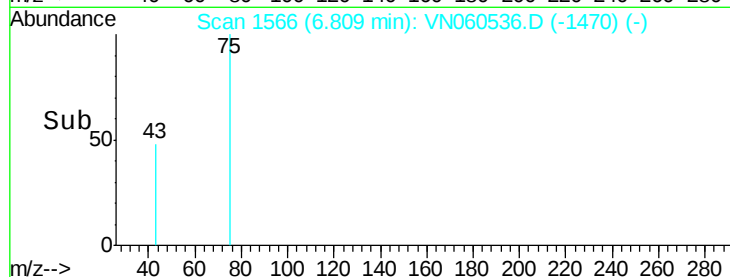
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.022 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060536.D

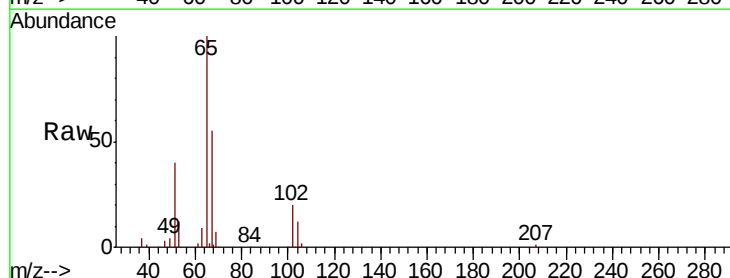
Acq: 16 Mar 2020 20:08

Tgt Ion: 65 Resp: 138281

Ion Ratio Lower Upper

65 100

67 54.2 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

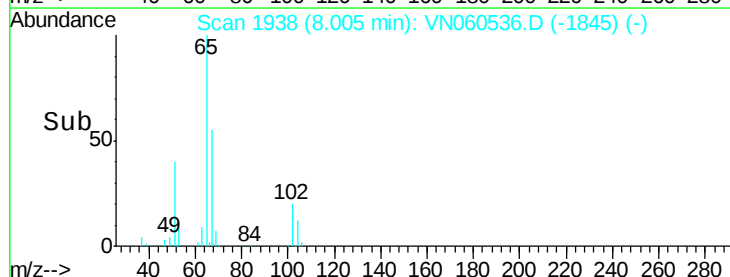
60000

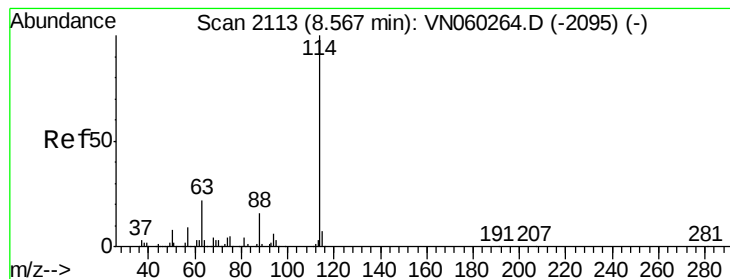
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#09

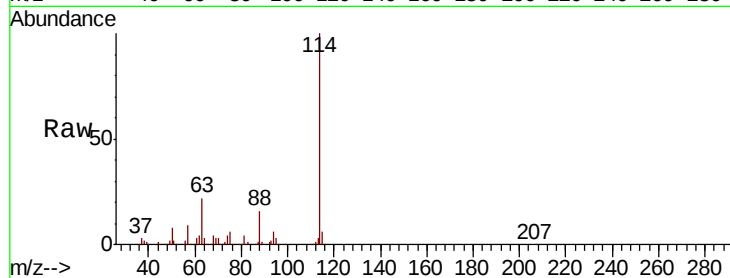
Tot Ion:114 Resp: 358888

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

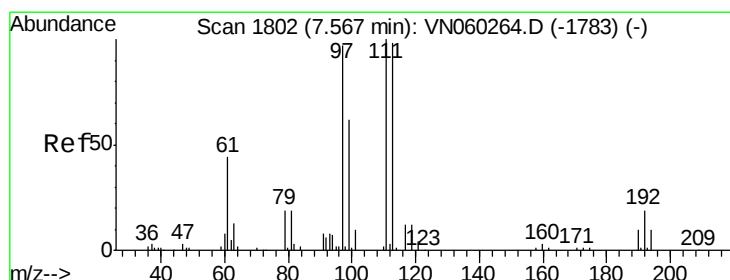
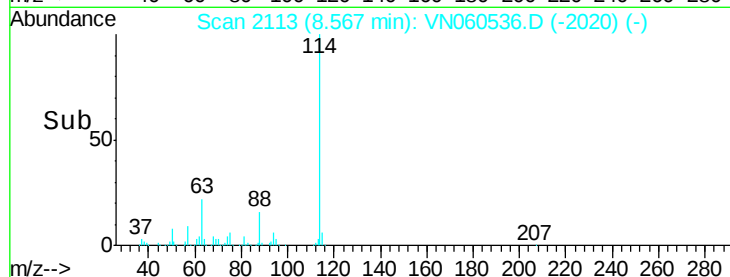
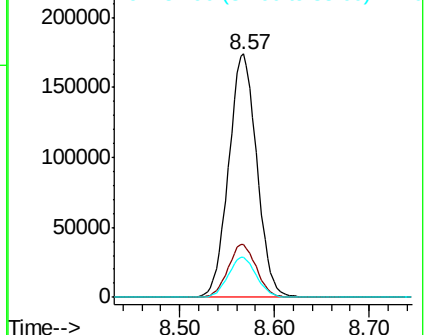
88 16.4 0.0 31.6



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: 64.728 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

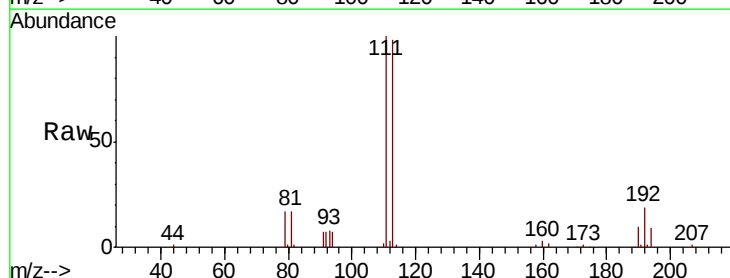
Tgt Ion:113 Resp: 107826

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

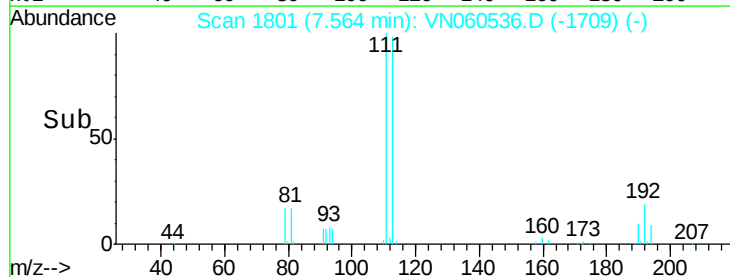
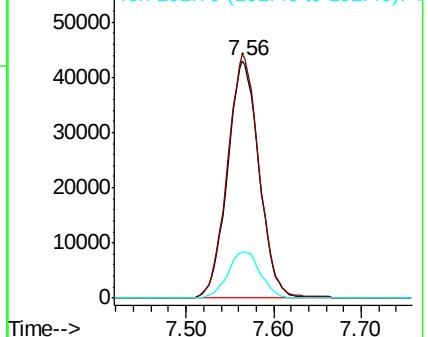
192 20.0 16.2 24.2

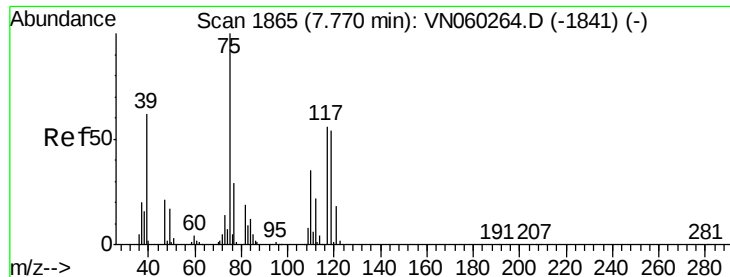


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

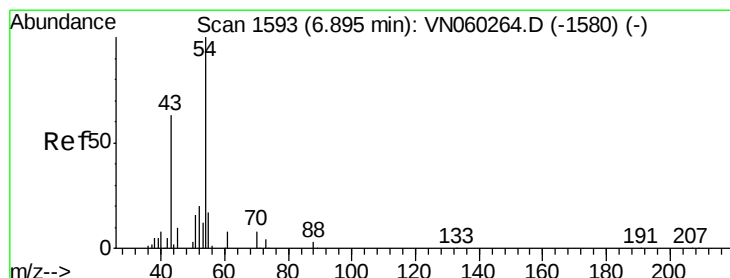
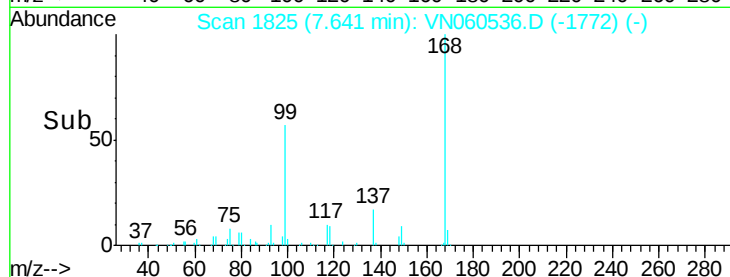
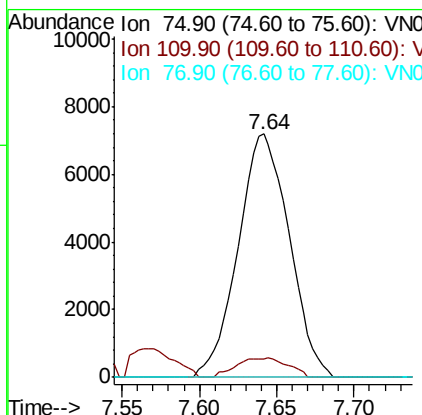
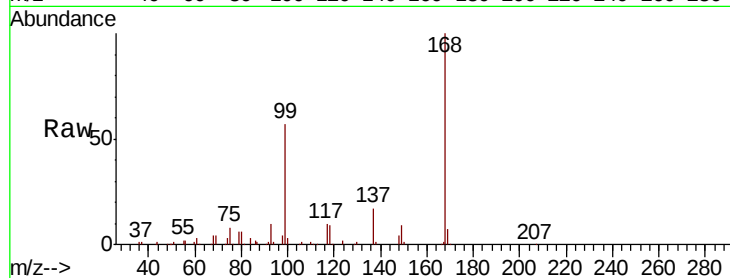




#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060536.D
 Acq: 16 Mar 2020 20:08

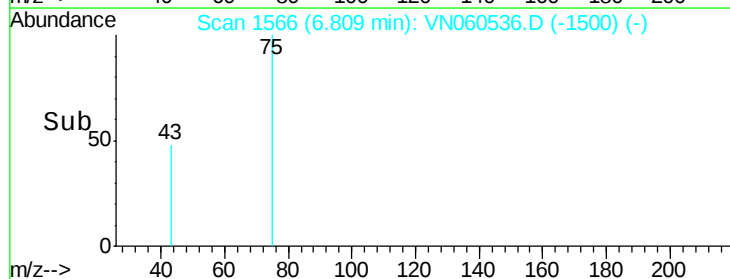
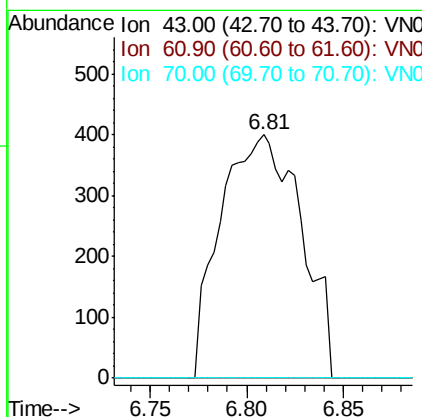
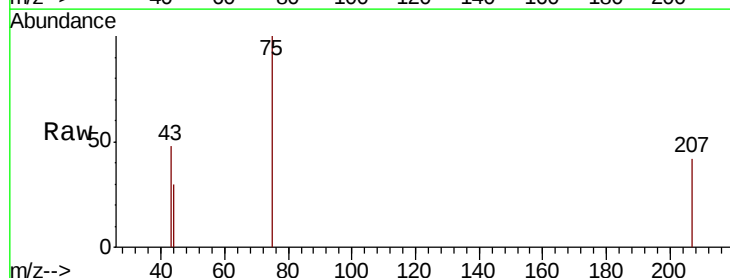
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#09

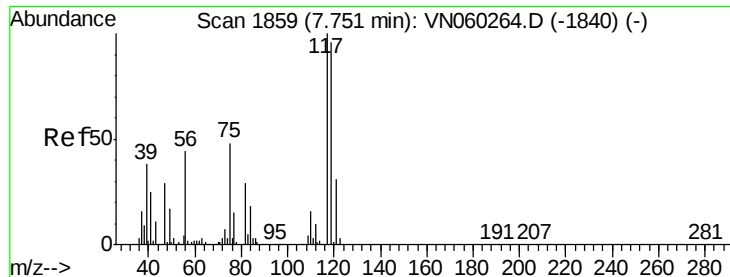
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.3	52.0#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 0.357 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060536.D
 Acq: 16 Mar 2020 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 6.229 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#09

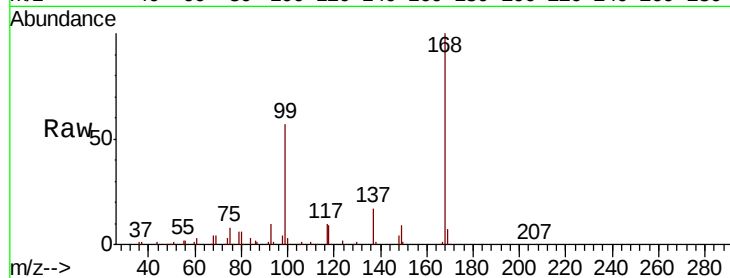
Tot Ion:117 Resp: 20744

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

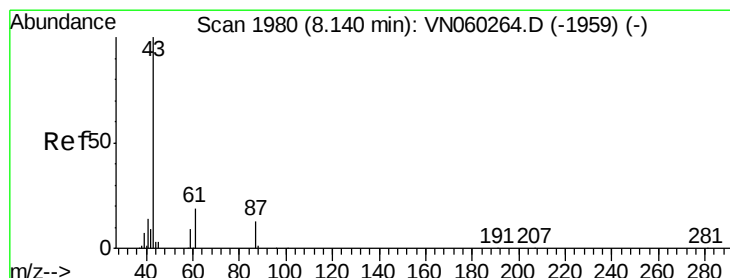
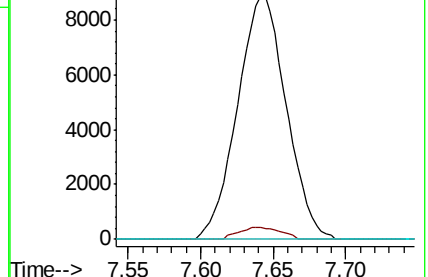
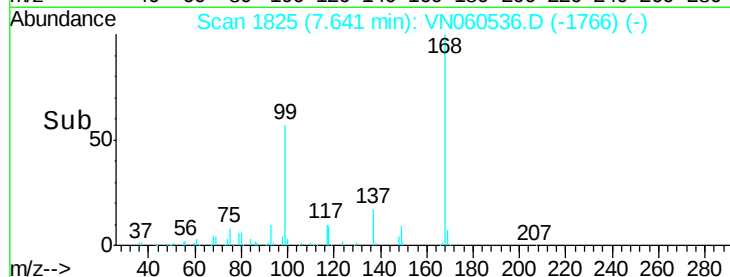
121 0.0 24.5 36.7#



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: 8.956 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

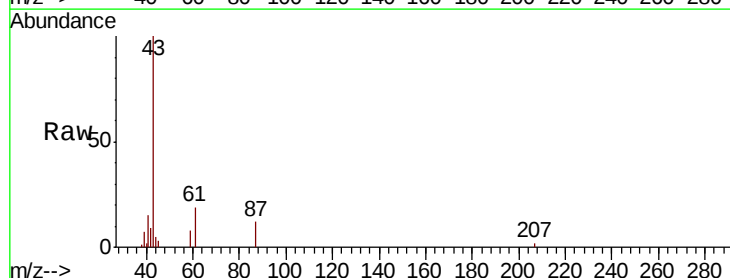
Tgt Ion: 43 Resp: 50782

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

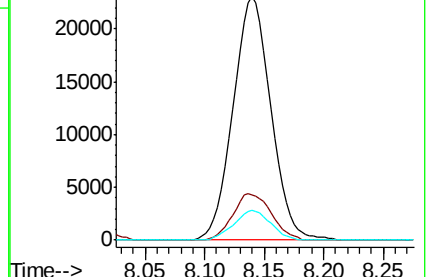
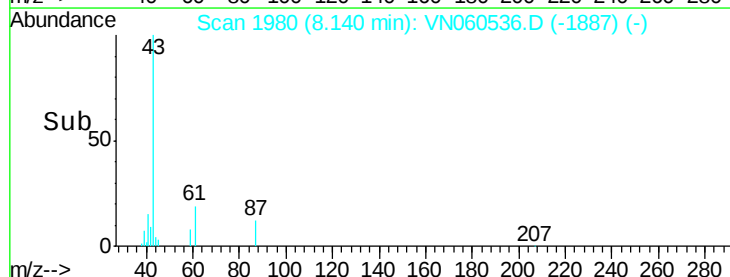
87 11.7 10.6 16.0

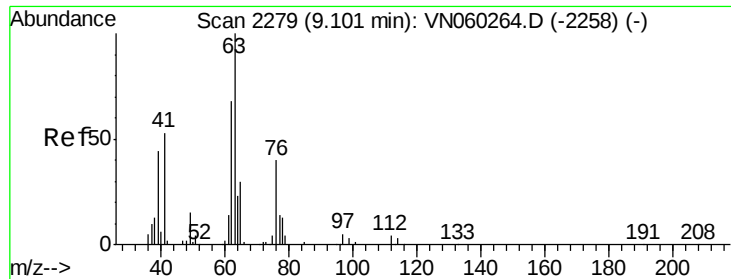


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.346 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

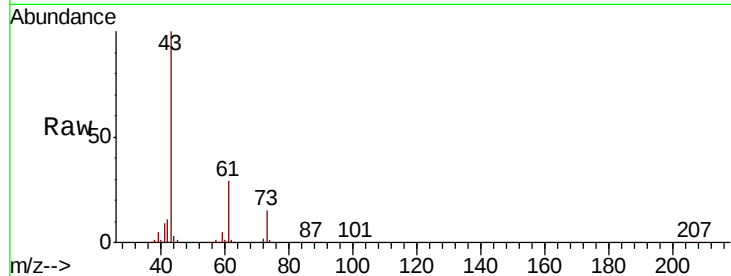
PB127541ZHE#09

Tot Ion: 63 Resp: 900

Ion Ratio Lower Upper

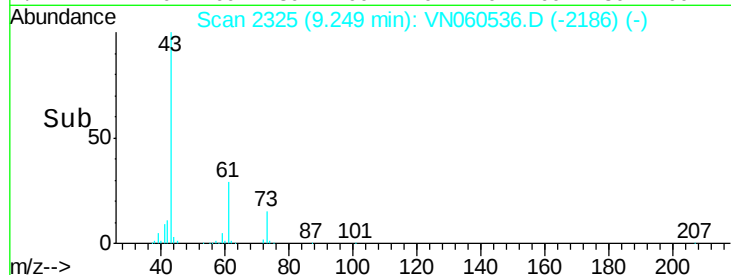
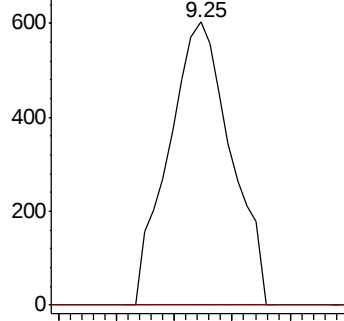
63 100

65 0.0 24.4 36.6#

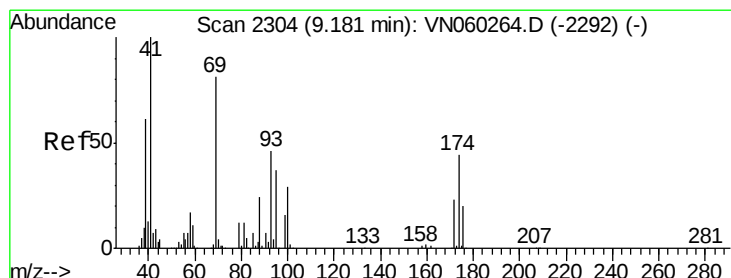


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



Time-->



#48

Methyl methacrylate

Concen: 1.520 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

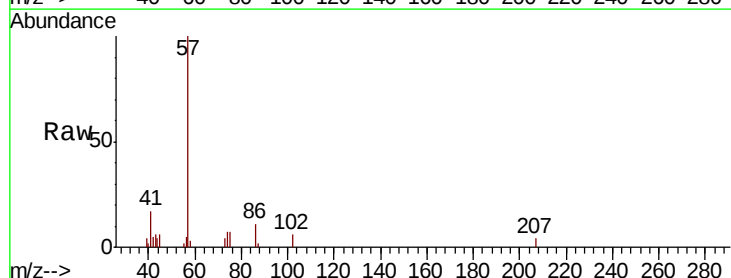
Tgt Ion: 41 Resp: 3929

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

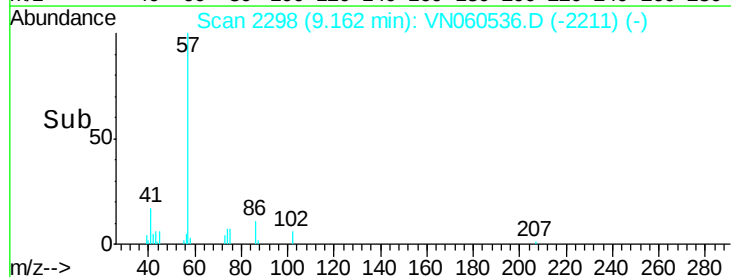
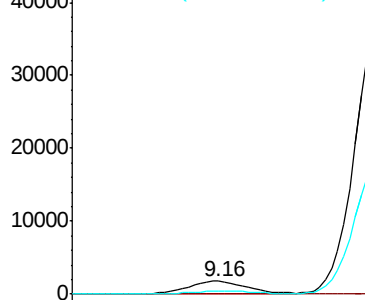
39 0.0 50.1 75.1#

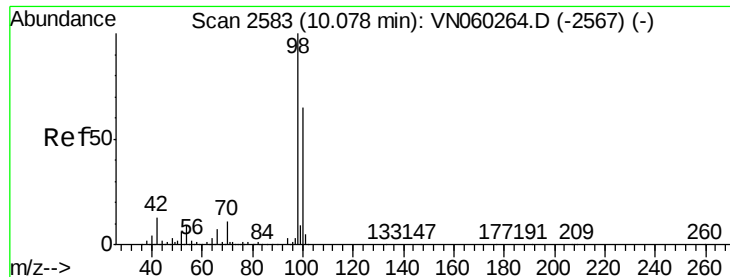


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

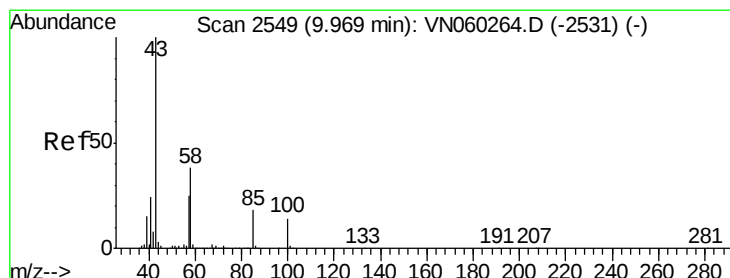
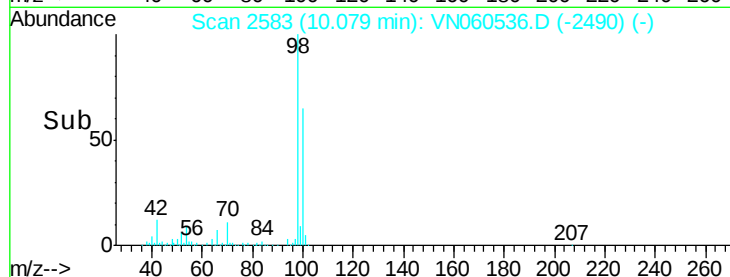
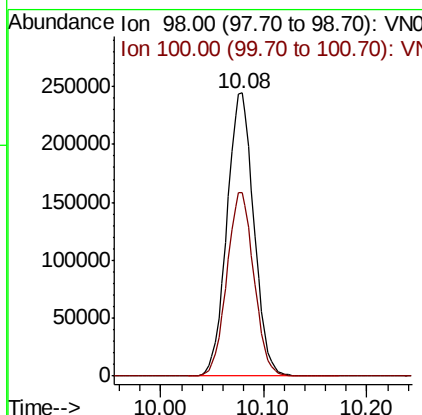
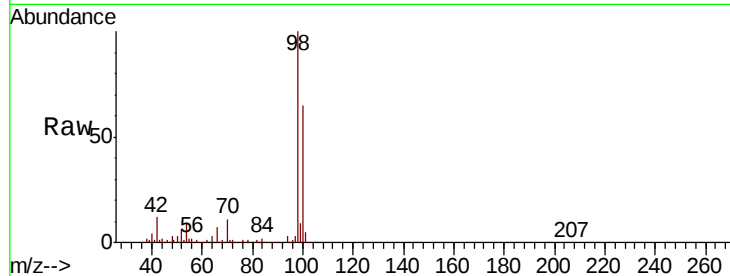




#50
Toluene-d8
Concen: 52.791 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

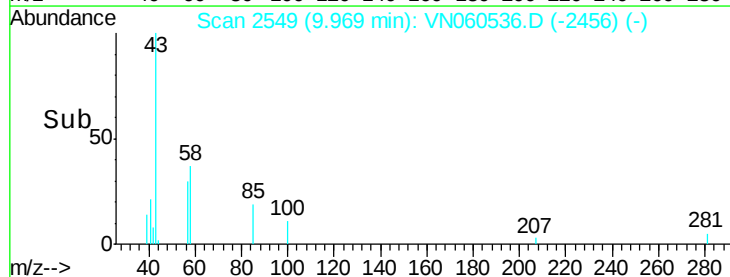
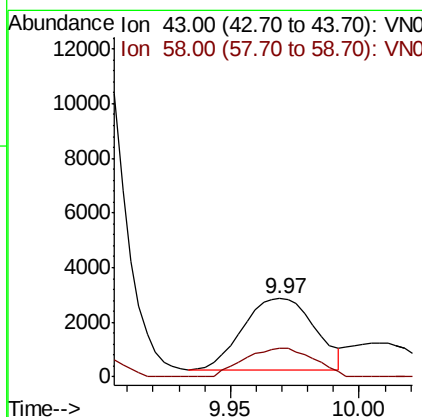
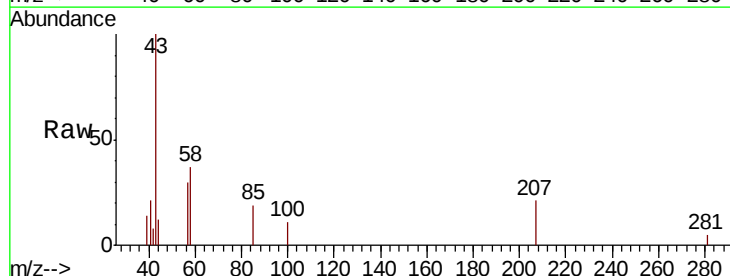
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#09

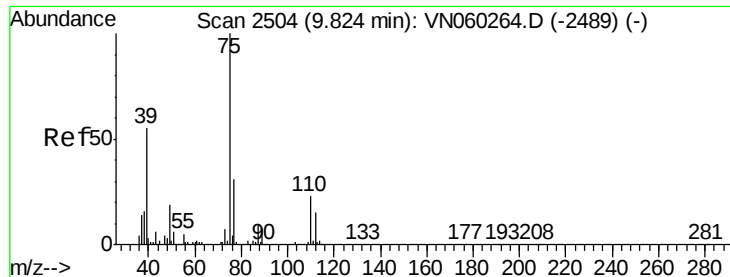
Tot Ion: 98 Resp: 445082
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.575 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

Tgt Ion: 43 Resp: 5063
Ion Ratio Lower Upper
43 100
58 38.7 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 5.081 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#09

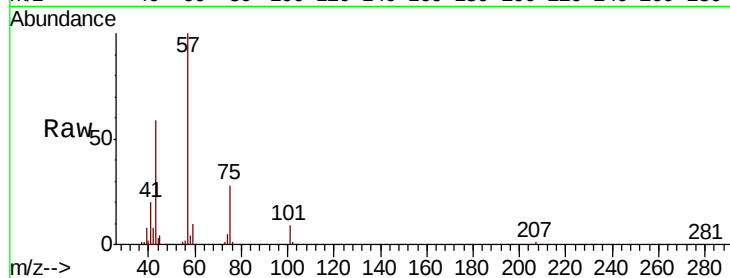
Tot Ion: 75 Resp: 22160

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

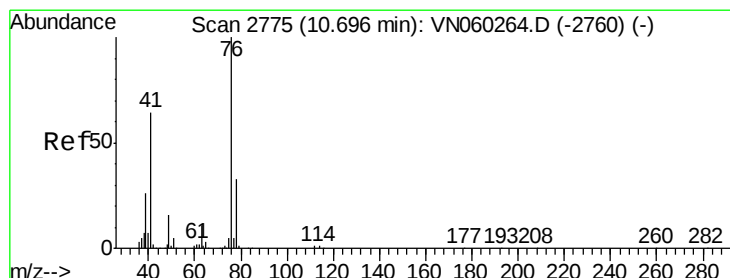
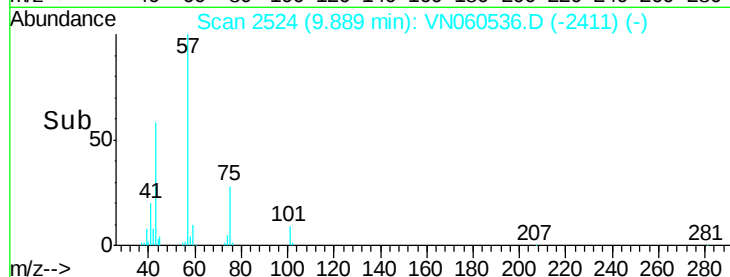
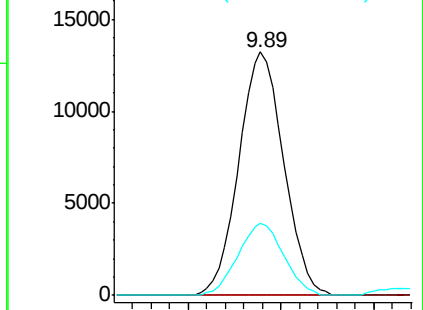
39 29.8 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060536.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060536.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060536.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.857 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060536.D

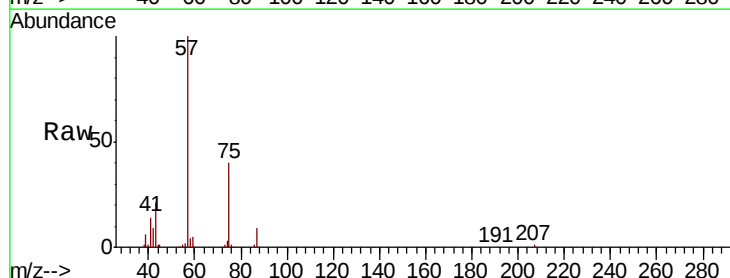
Acq: 16 Mar 2020 20:08

Tgt Ion: 76 Resp: 3514

Ion Ratio Lower Upper

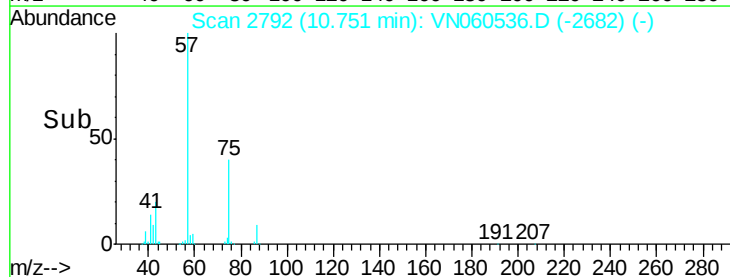
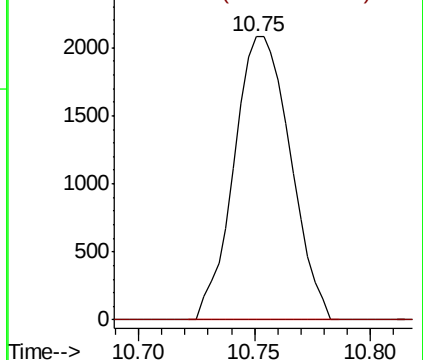
76 100

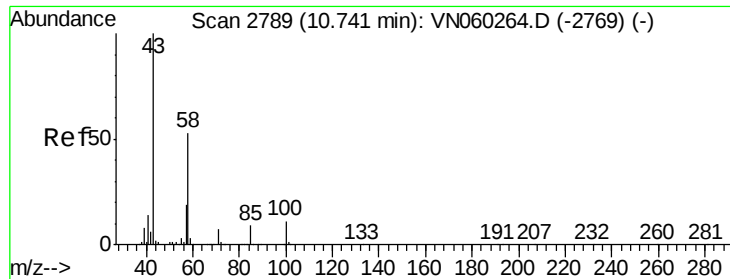
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060536.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060536.D (-2682) (-)

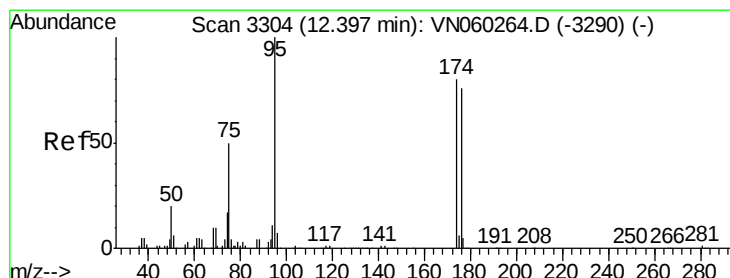
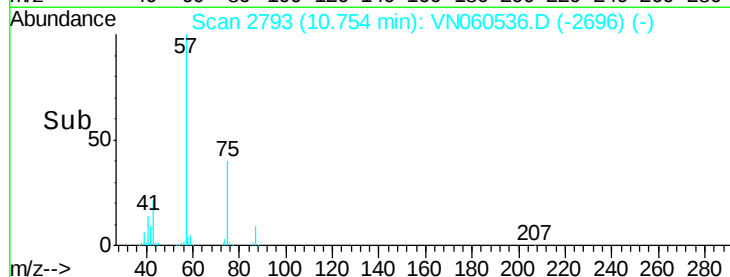
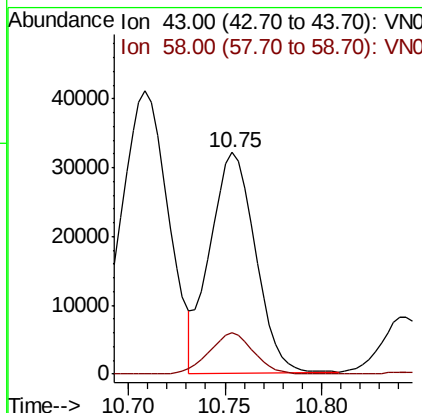
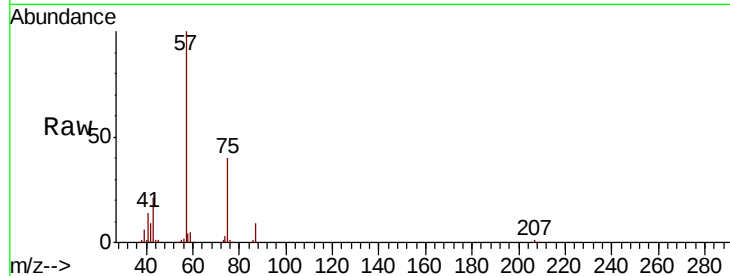




#59
2-Hexanone
Concen: 22.222 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

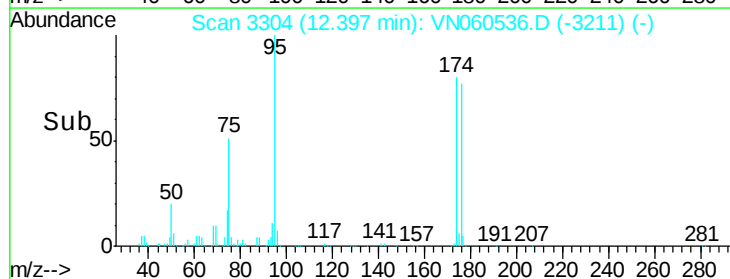
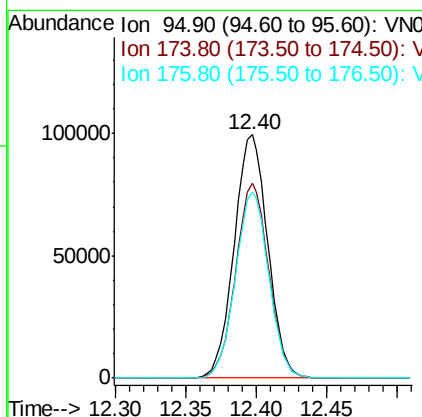
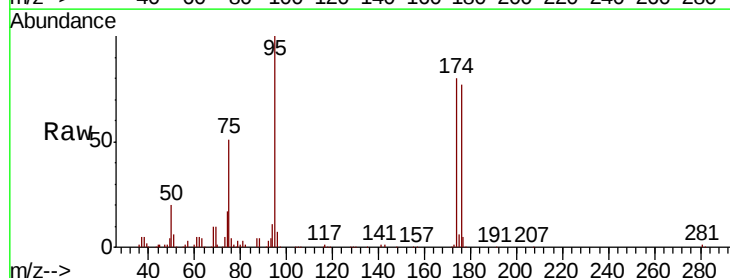
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#09

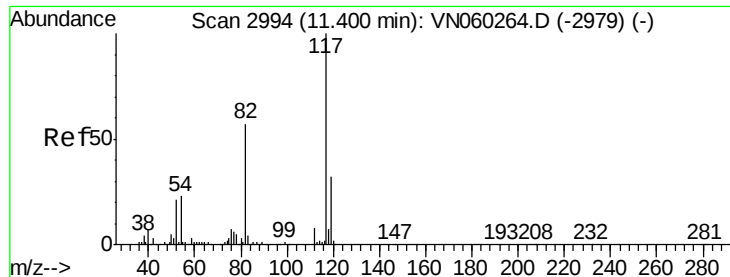
Tot Ion: 43 Resp: 52452
Ion Ratio Lower Upper
43 100
58 18.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.043 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

Tgt Ion: 95 Resp: 166329
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.2
176 75.9 0.0 153.8

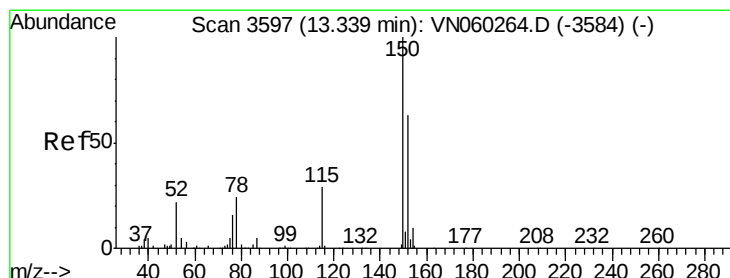
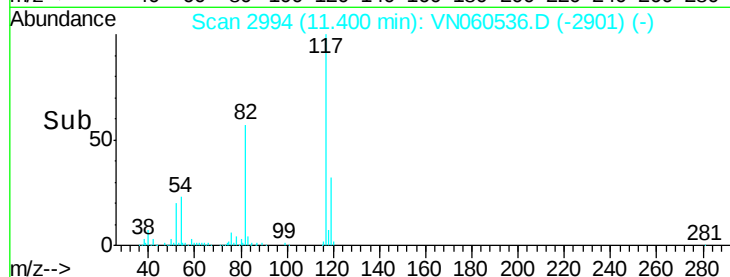
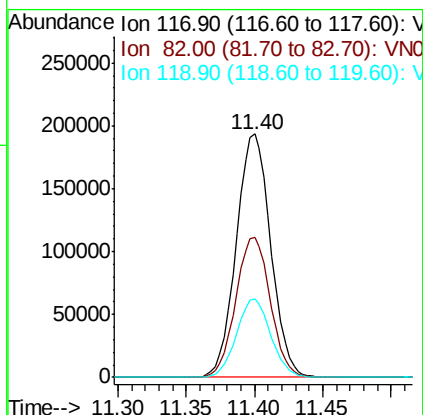
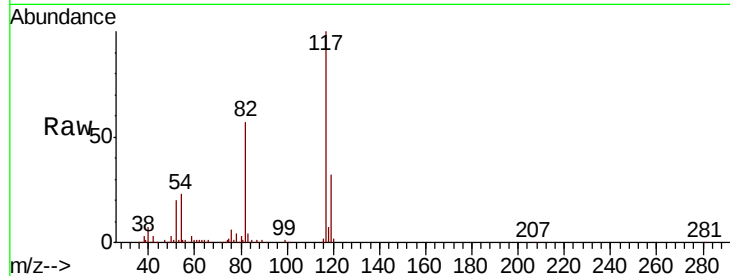




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

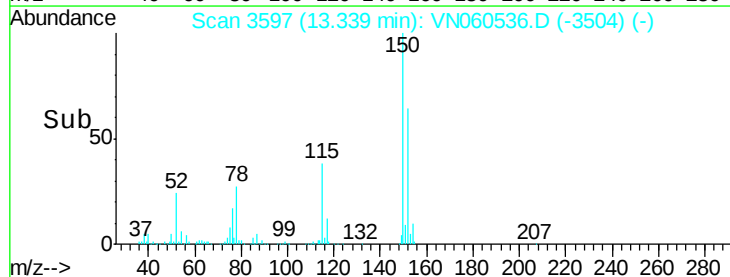
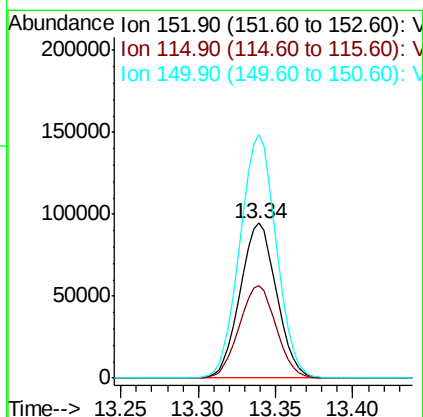
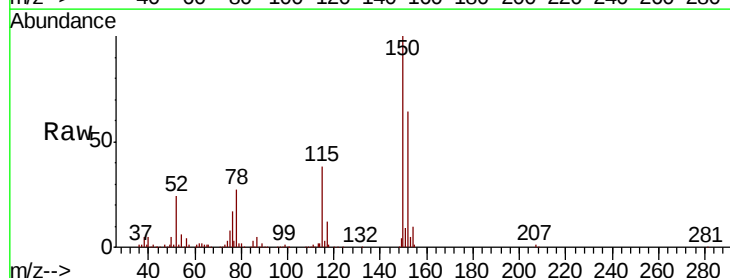
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#09

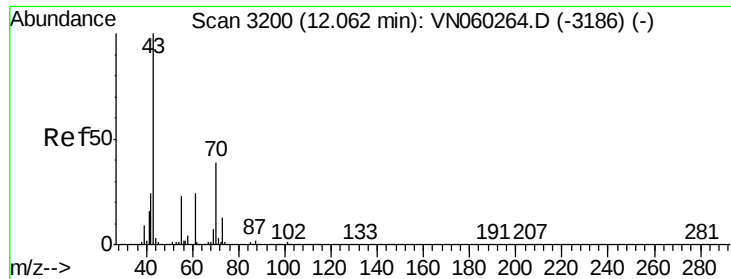
Tot Ion:117 Resp: 339288
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060536.D
Acq: 16 Mar 2020 20:08

Tgt Ion:152 Resp: 155208
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.0
150 157.1 0.0 349.6





#74

N-amvl acetate

Concen: 0.622 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060536.D

Acq: 16 Mar 2020 20:08

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#09

Tot Ion: 43 Resp: 3127

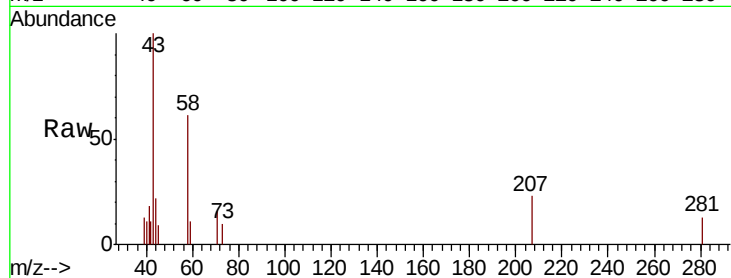
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

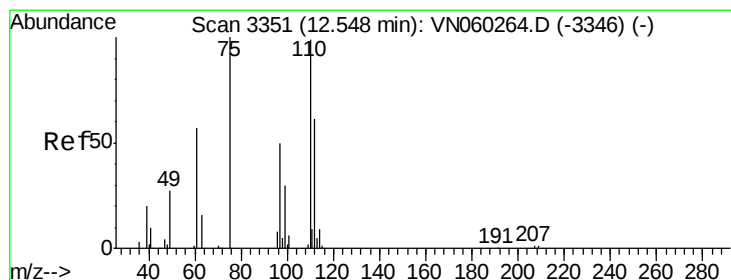
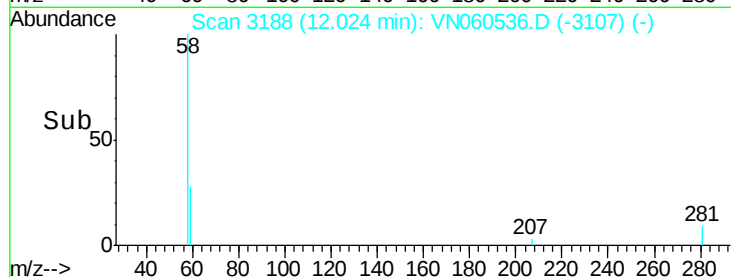
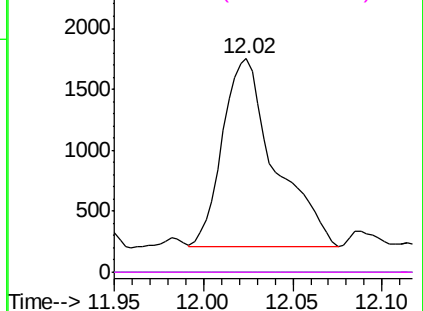


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.901 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060536.D

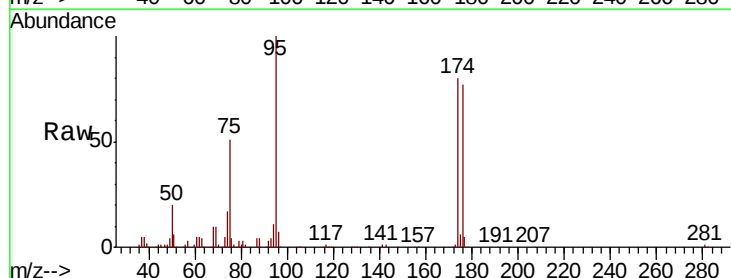
Acq: 16 Mar 2020 20:08

Tgt Ion: 75 Resp: 84796

Ion Ratio Lower Upper

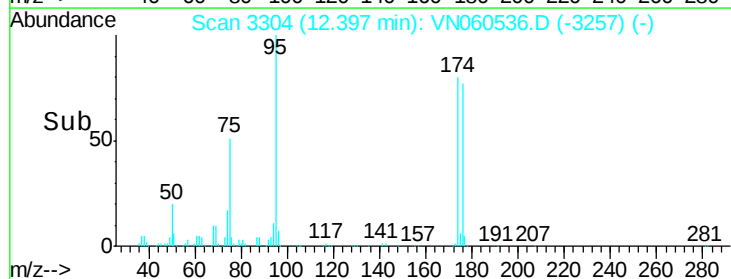
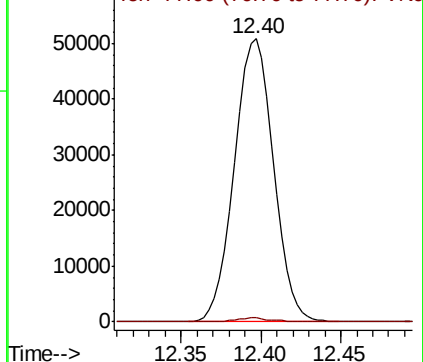
75 100

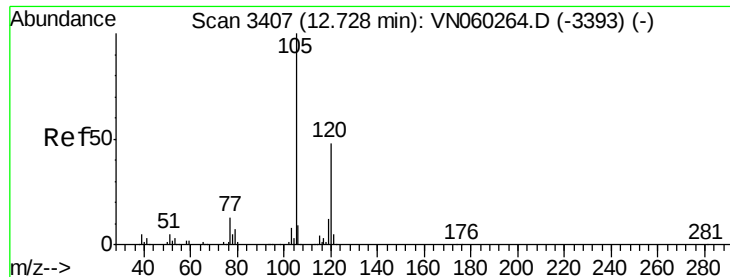
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

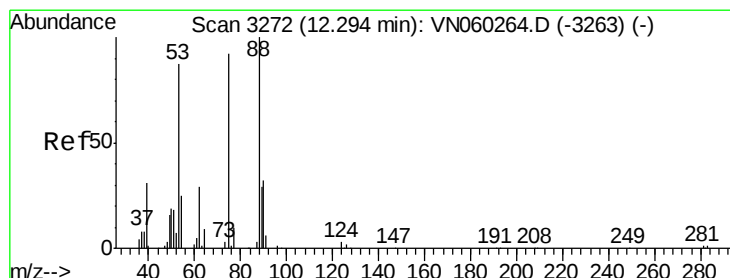
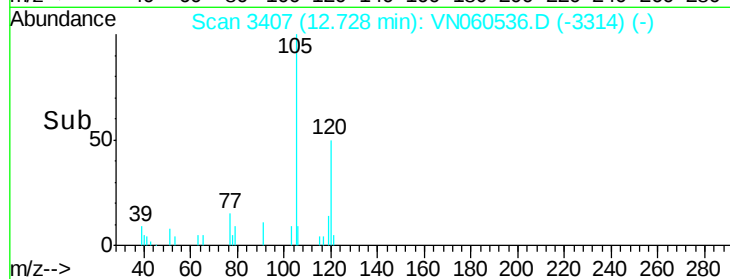
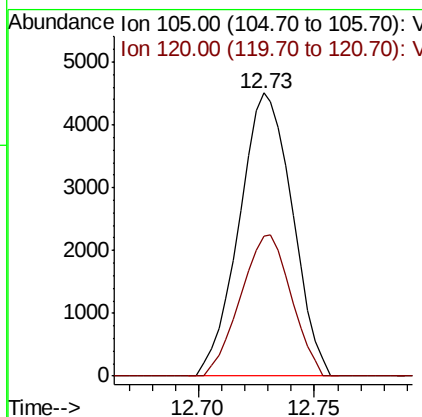
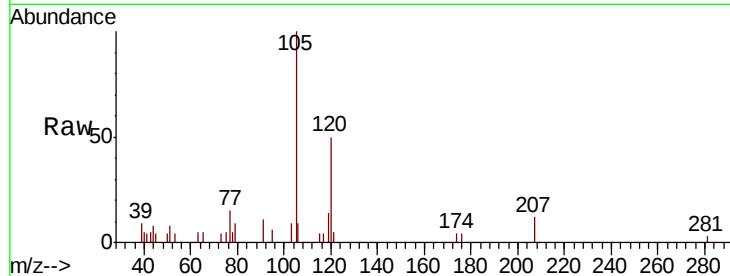




#80
 1,3,5-Trimethylbenzene
 Concen: 0.742 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060536.D
 Acq: 16 Mar 2020 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#09

Tot Ion:105 Resp: 7185
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.740 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060536.D
 Acq: 16 Mar 2020 20:08

Tgt Ion: 75 Resp: 84796
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

