

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060535.D
 Acq On : 16 Mar 2020 19:46
 Operator : JC/MD
 Sample : PB127541ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#08

Quant Time: Mar 17 08:47:14 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	205989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	323802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148018	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	135091	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.57	113	103321	64.84	ug/l	0.00
Spiked Amount			Recovery	=	129.68%	
50) Toluene-d8	10.08	98	426674	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.40	95	158924	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

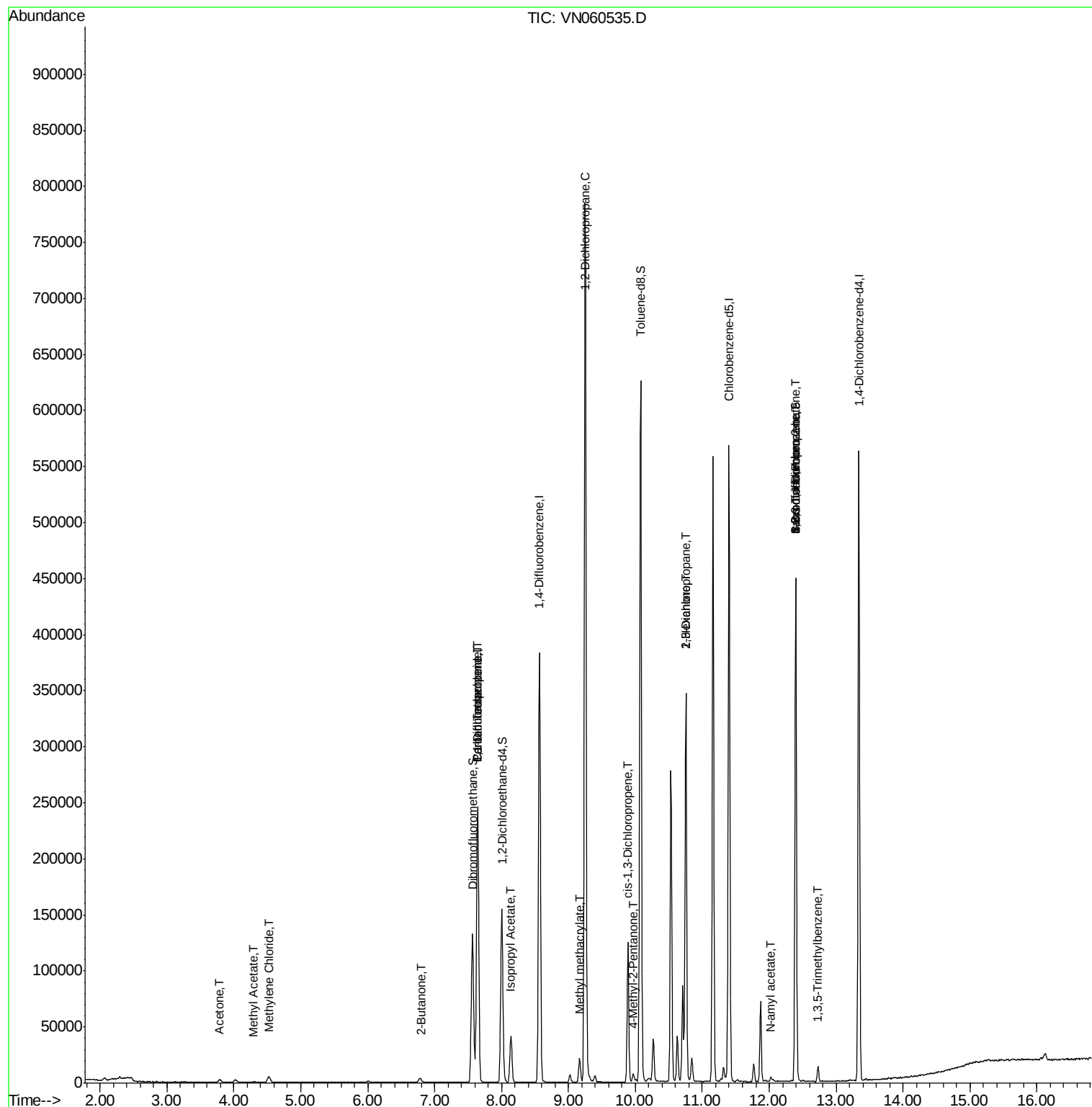
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5169	6.057	ug/l #	89
18) Methyl Acetate	4.29	43	749	0.263	ug/l #	52
20) Methylene Chloride	4.53	84	4248	1.812	ug/l	96
25) 2-Butanone	6.81	43	862	0.625	ug/l #	49
31) Cyclohexane	7.64	56	4286	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15985	4.886	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19577	6.145	ug/l #	16
43) Isopropyl Acetate	8.14	43	50650	9.339	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	733	0.294	ug/l #	44
48) Methyl methacrylate	9.16	41	3648	1.475	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4546	1.478	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	22192	5.319	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3649	0.930	ug/l #	42
59) 2-Hexanone	10.75	43	51267	22.706	ug/l #	51
71) Bromoform	12.40	173	534	0.306	ug/l #	1
74) N-amyl acetate	12.02	43	3221	0.672	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	80398	24.757	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7327	0.793	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80398	68.340	ug/l #	8

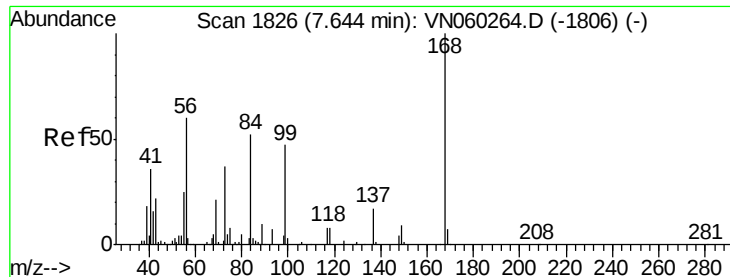
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 27 13:52:50 2020
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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: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

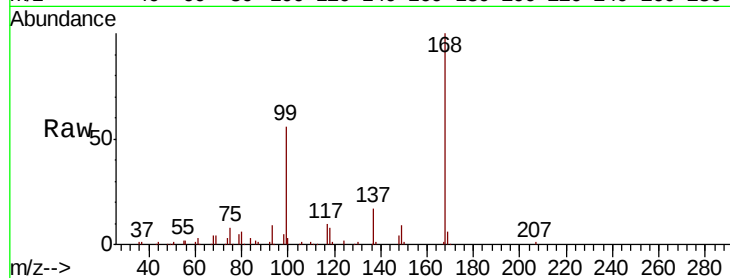
PB127541ZHE#08

Tot Ion:168 Resp: 205989

Ion Ratio Lower Upper

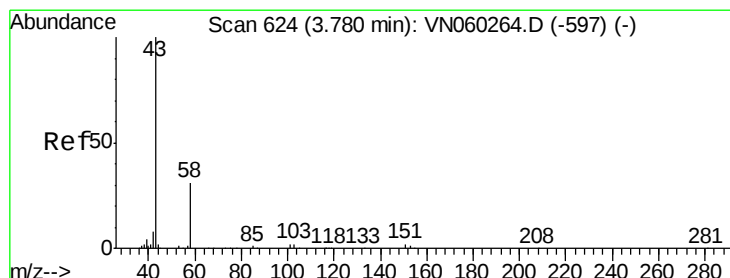
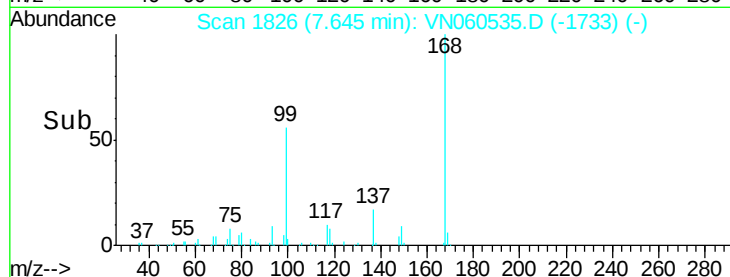
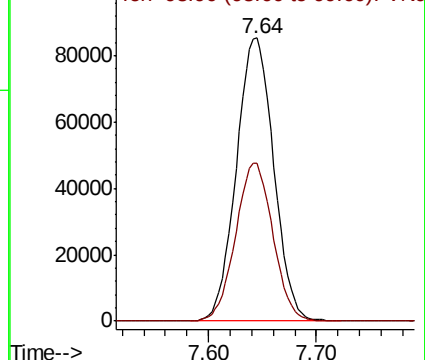
168 100

99 55.6 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: 6.057 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060535.D

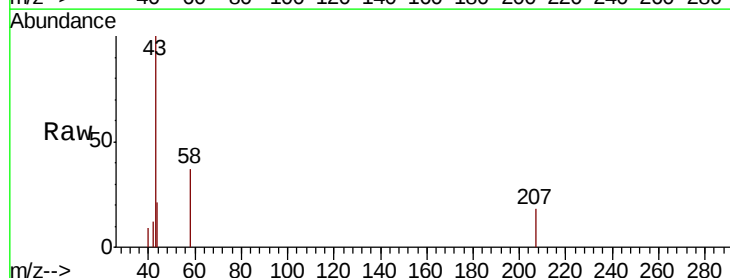
Acq: 16 Mar 2020 19:46

Tgt Ion: 43 Resp: 5169

Ion Ratio Lower Upper

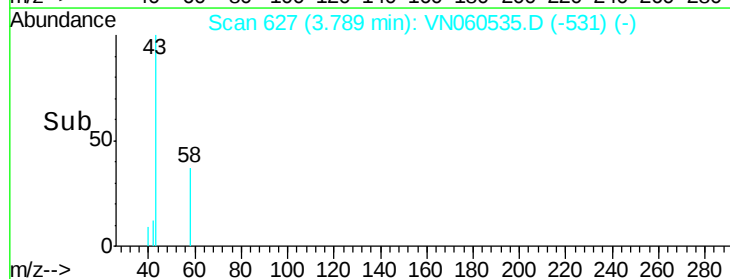
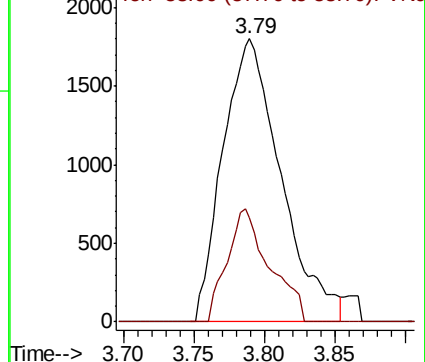
43 100

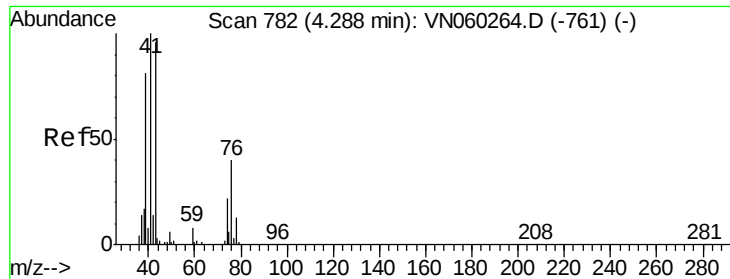
58 36.9 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

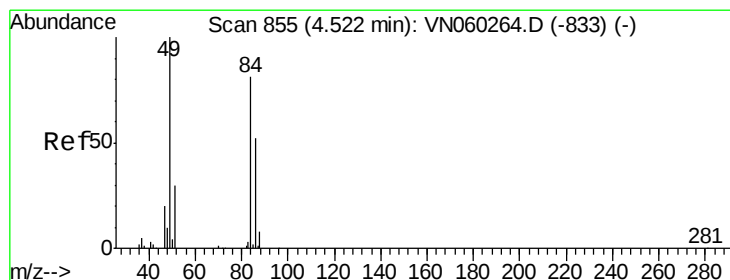
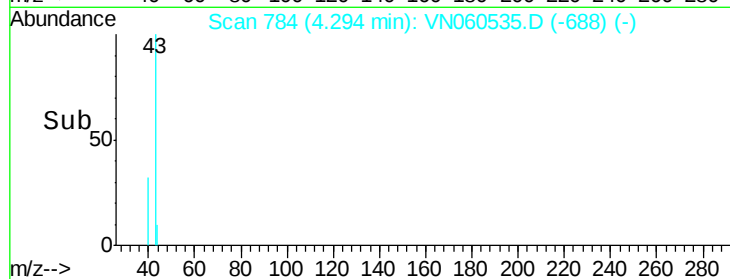
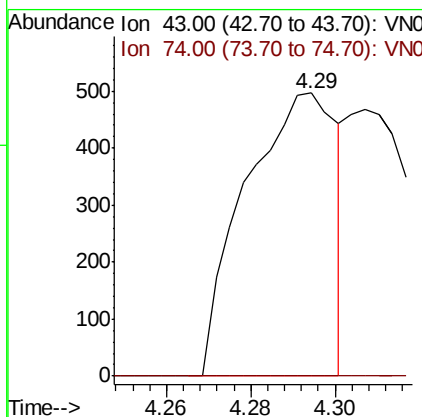
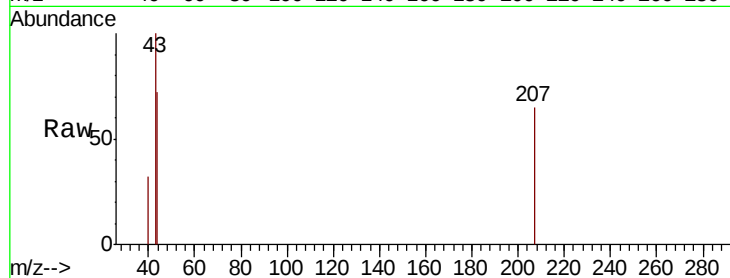




#18
Methvl Acetate
Concen: 0.263 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

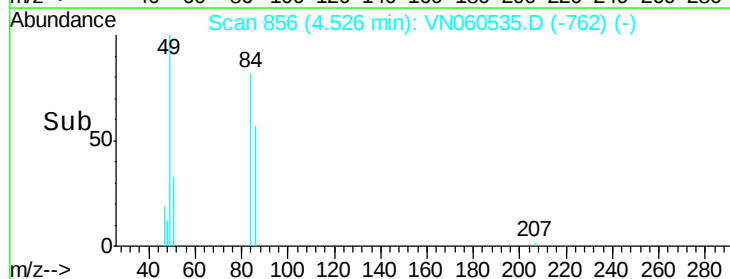
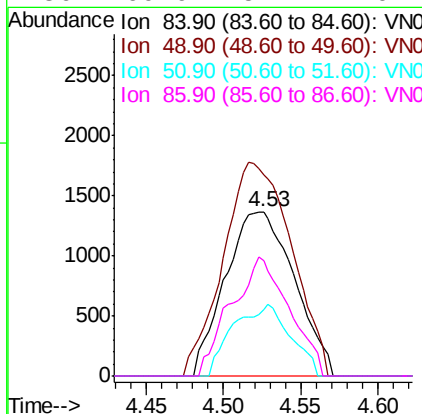
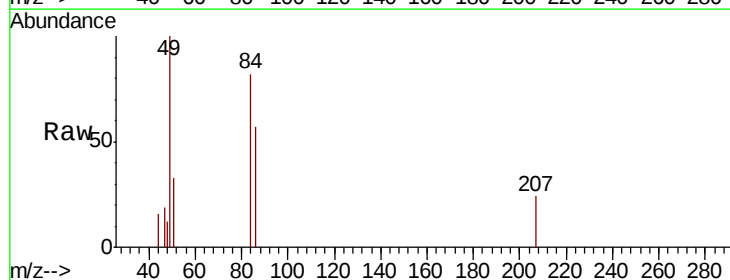
Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#08

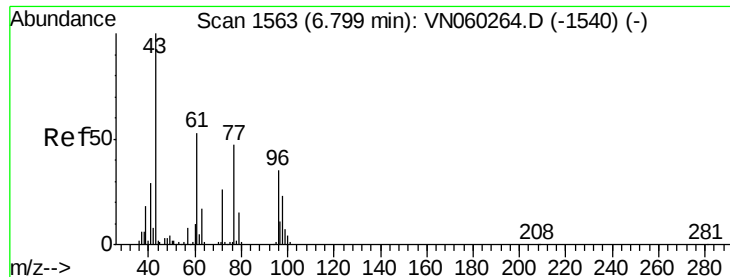
Tot Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.812 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

Tgt Ion: 84 Resp: 4248
Ion Ratio Lower Upper
84 100
49 122.4 99.3 148.9
51 40.5 30.1 45.1
86 69.9 51.1 76.7





#25

2-Butanone

Concen: 0.625 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

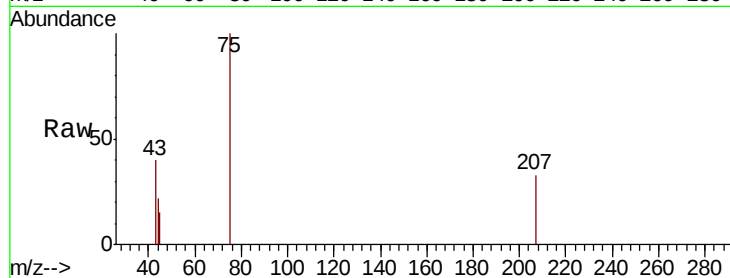
PB127541ZHE#08

Tot Ion: 43 Resp: 862

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

500

400

300

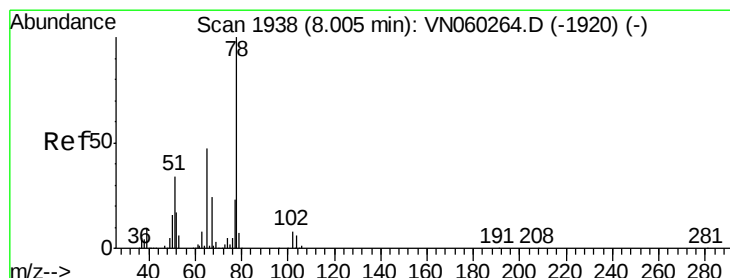
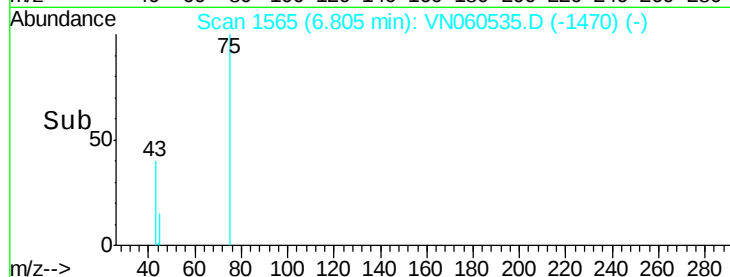
200

100

0

6.76 6.78 6.80 6.82

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.115 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060535.D

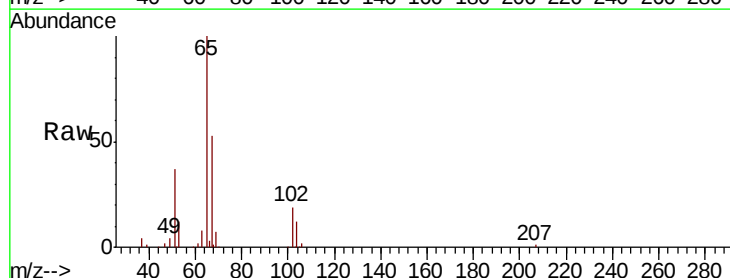
Acq: 16 Mar 2020 19:46

Tgt Ion: 65 Resp: 135091

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

60000

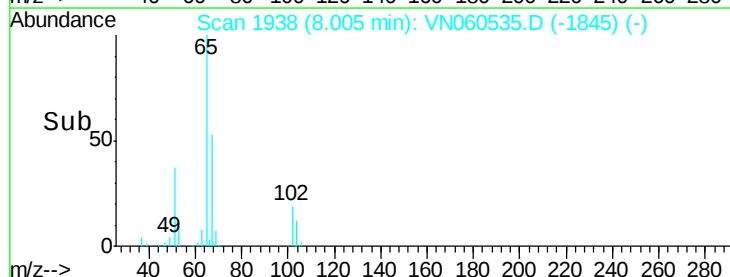
40000

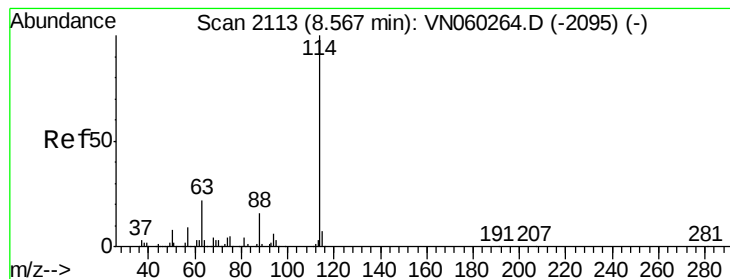
20000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#08

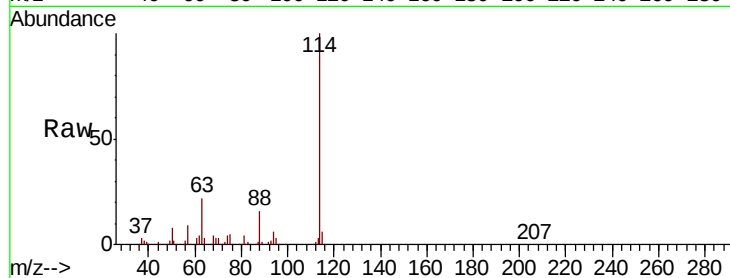
Tot Ion:114 Resp: 343311

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

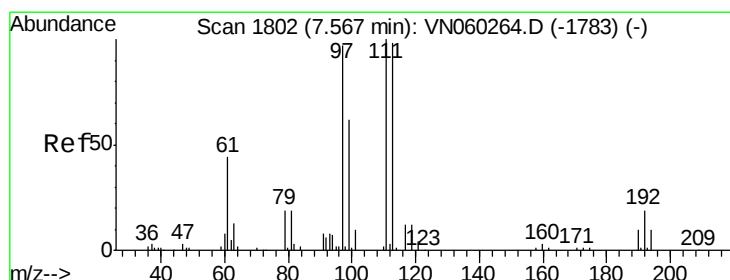
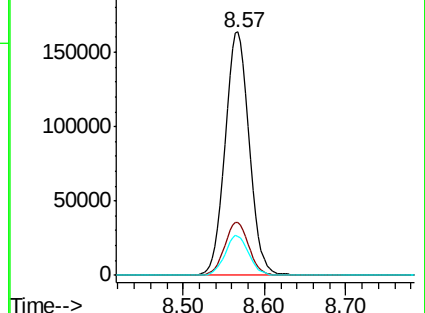
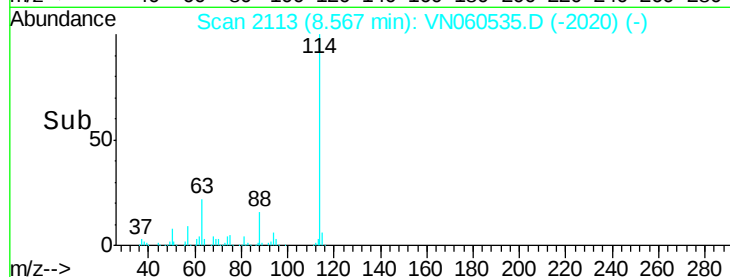
88 16.2 0.0 31.6



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: 64.838 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

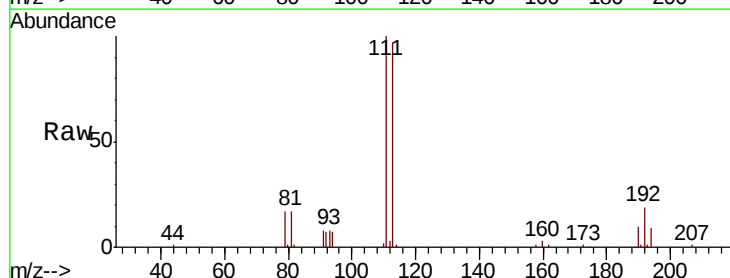
Tgt Ion:113 Resp: 103321

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

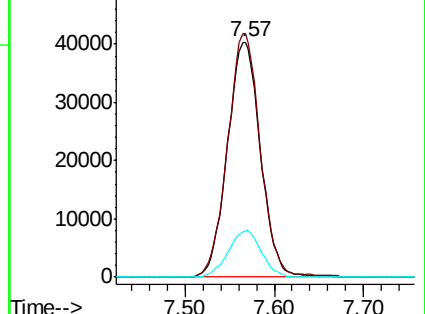
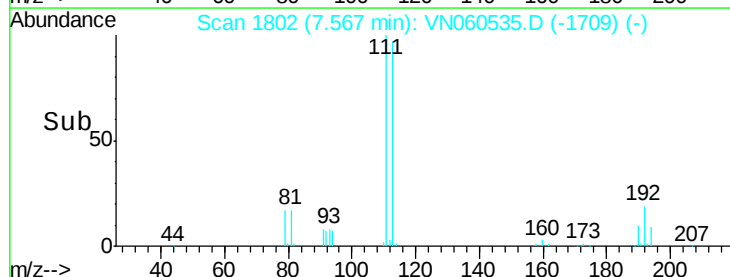
192 19.7 16.2 24.2

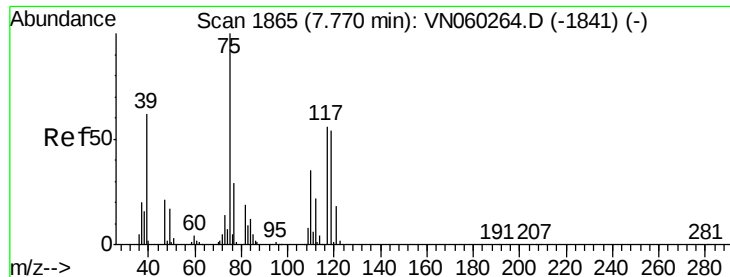


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

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ClientSampleId :

PB127541ZHE#08

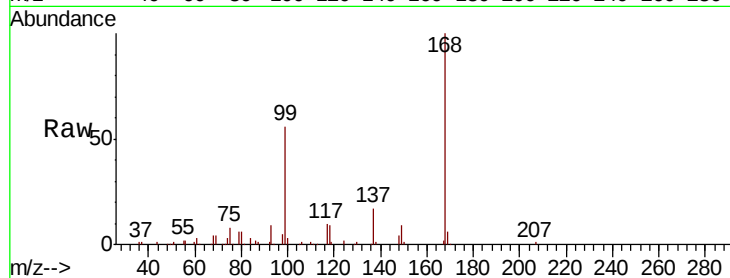
Tot Ion: 75 Resp: 15985

Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

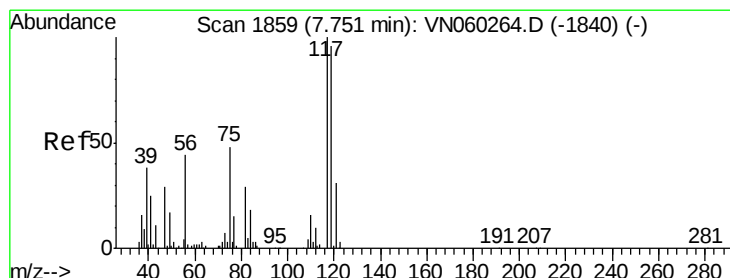
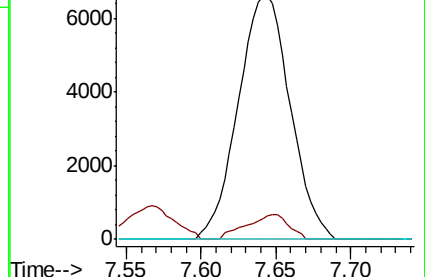
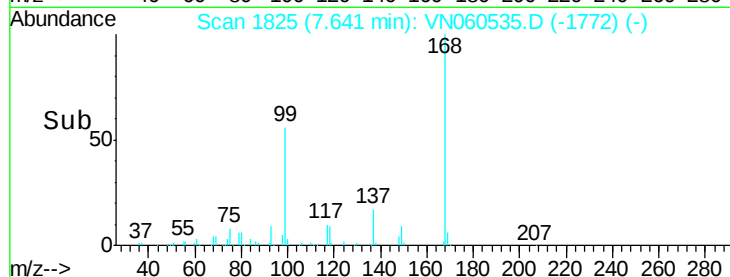
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060535.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060535.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060535.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.145 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

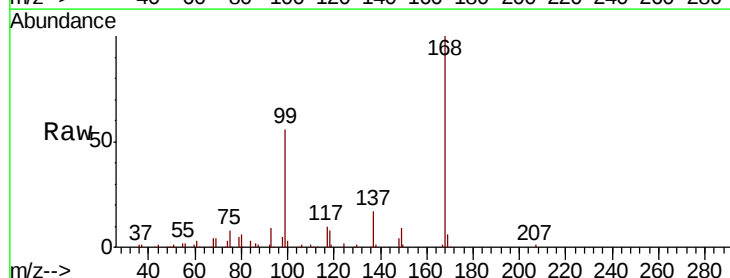
Tgt Ion: 117 Resp: 19577

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

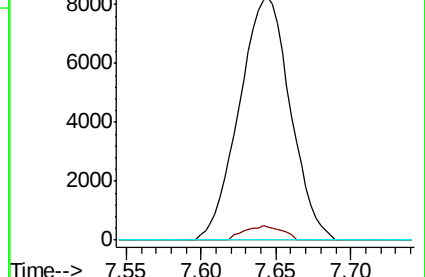
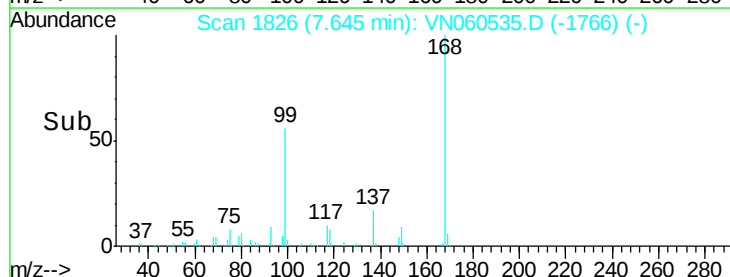
121 0.0 24.5 36.7#

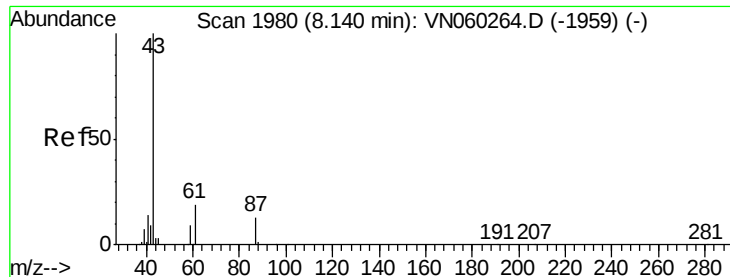


Abundance Ion 116.80 (116.50 to 117.50): VN060535.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060535.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060535.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 9.339 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#08

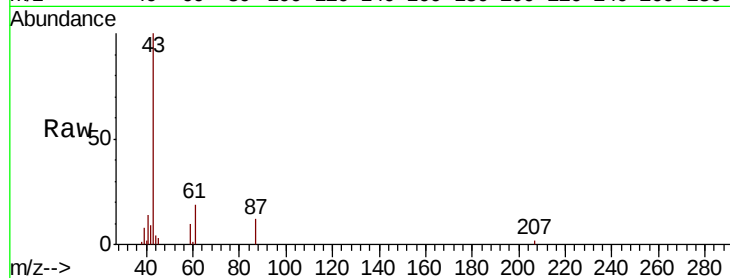
Tot Ion: 43 Resp: 50650

Ion Ratio Lower Upper

43 100

61 18.8 20.9 31.3#

87 11.7 10.6 16.0

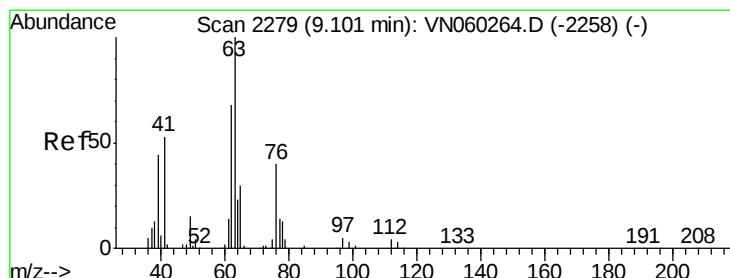
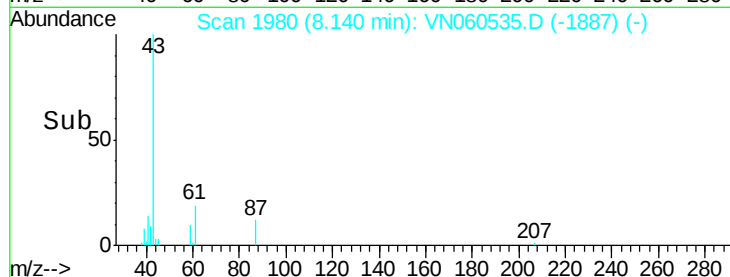
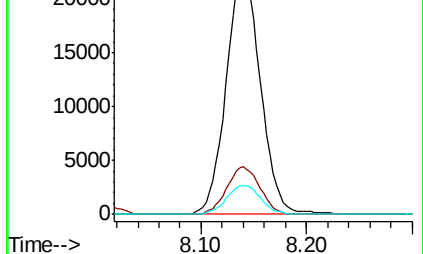


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.294 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060535.D

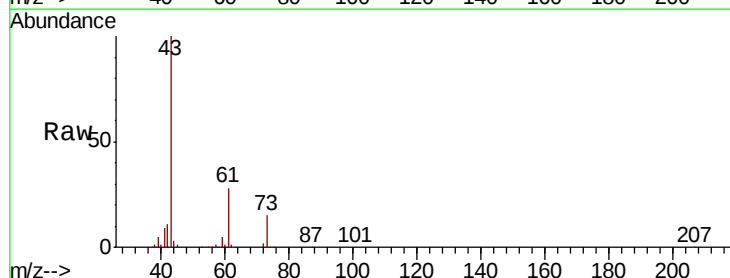
Acq: 16 Mar 2020 19:46

Tgt Ion: 63 Resp: 733

Ion Ratio Lower Upper

63 100

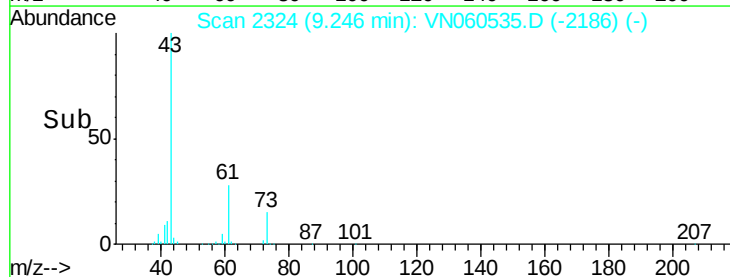
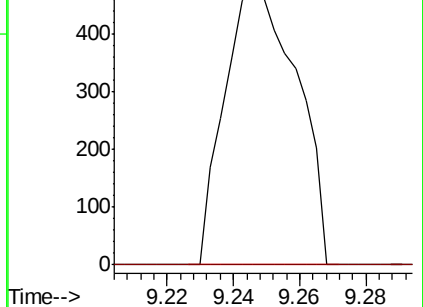
65 0.0 24.4 36.6#

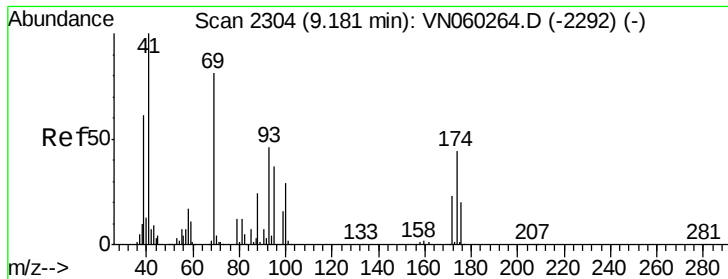


Abundance Ion 62.90 (62.60 to 63.60): VN060535.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060535.D (-2186) (-)

Time-->

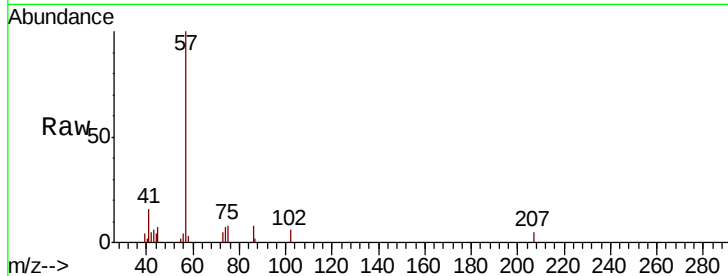




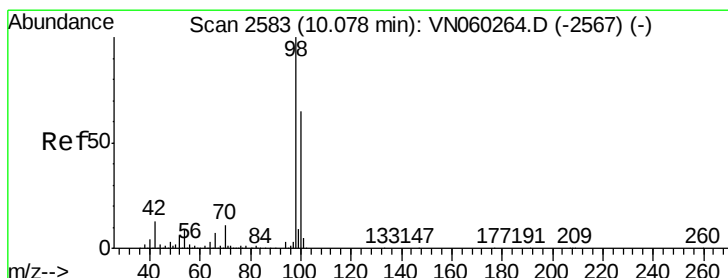
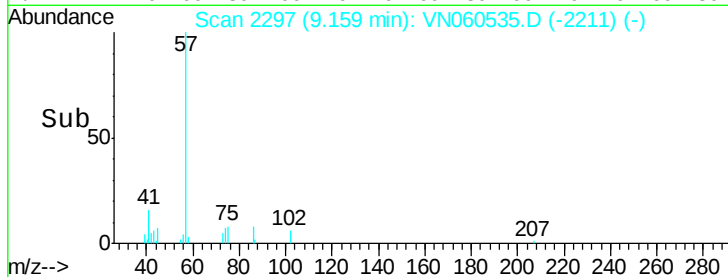
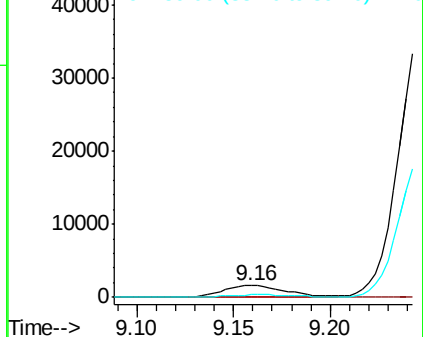
#48
Methvl methacrylate
Concen: 1.475 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#08

Tot Ion: 41 Resp: 3648
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

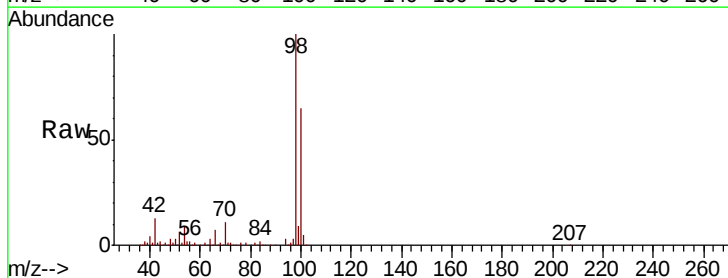


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

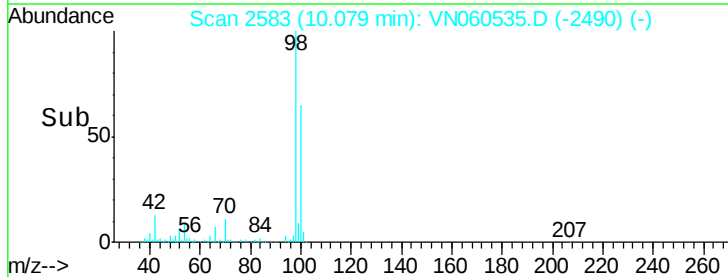
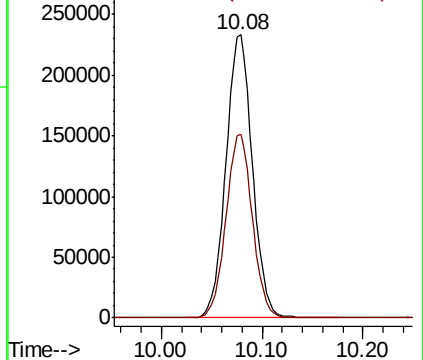


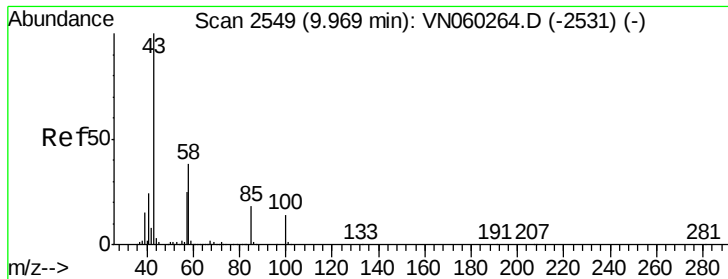
#50
Toluene-d8
Concen: 52.904 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

Tgt Ion: 98 Resp: 426674
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC

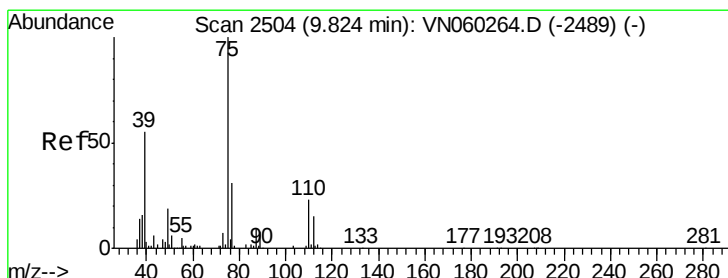
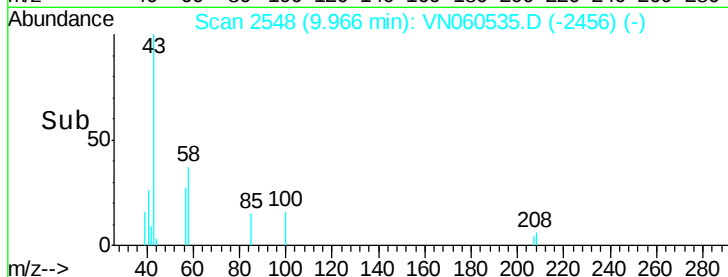
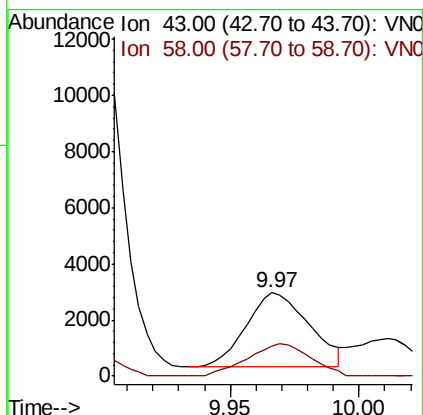
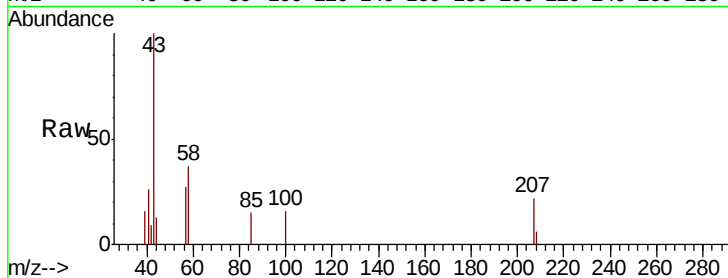




#51
 4-Methyl-2-Pentanone
 Concen: 1.478 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060535.D
 Acq: 16 Mar 2020 19:46

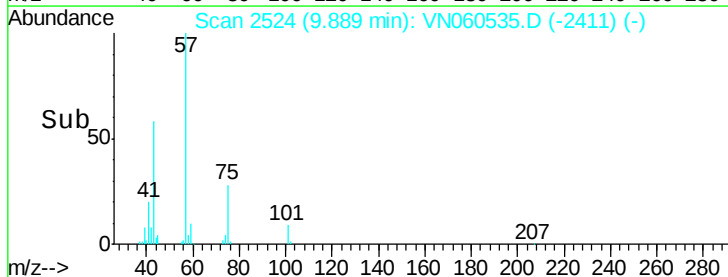
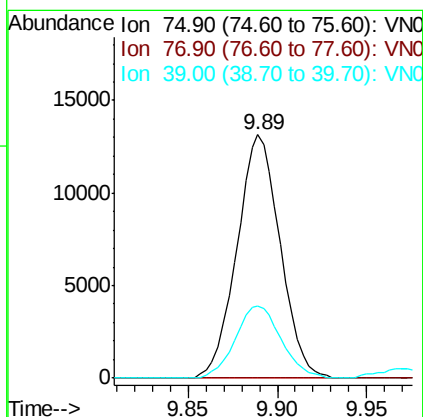
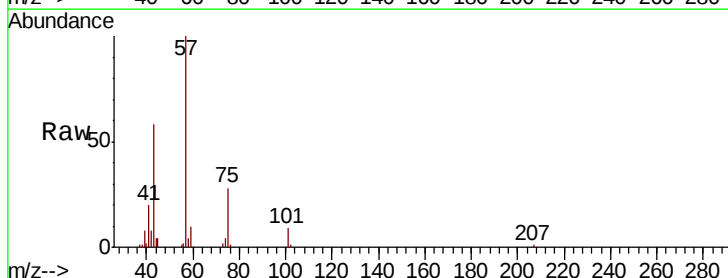
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#08

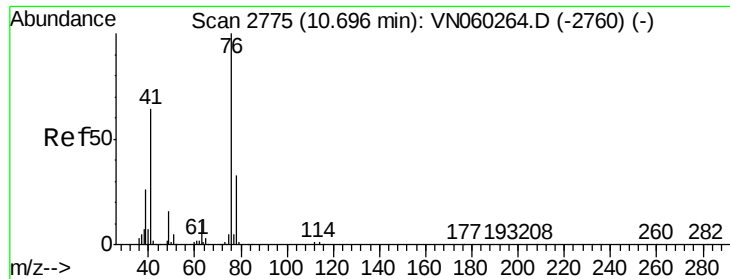
Tot Ion: 43 Resp: 4546
 Ion Ratio Lower Upper
 43 100
 58 43.4 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 5.319 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060535.D
 Acq: 16 Mar 2020 19:46

Tgt Ion: 75 Resp: 22192
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 29.7 43.8 65.8#

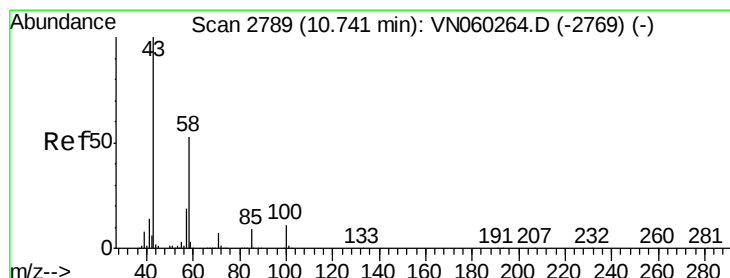
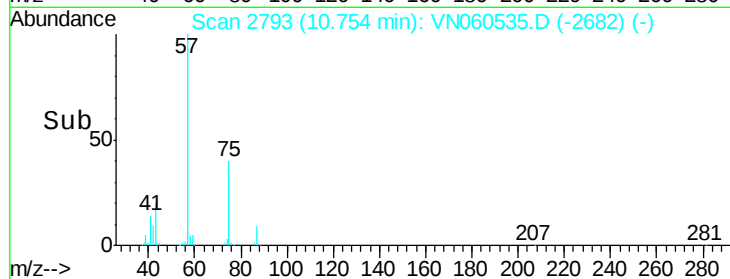
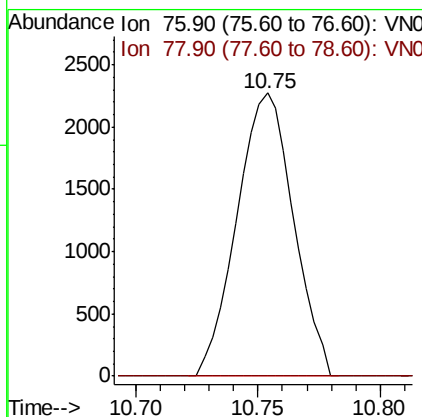
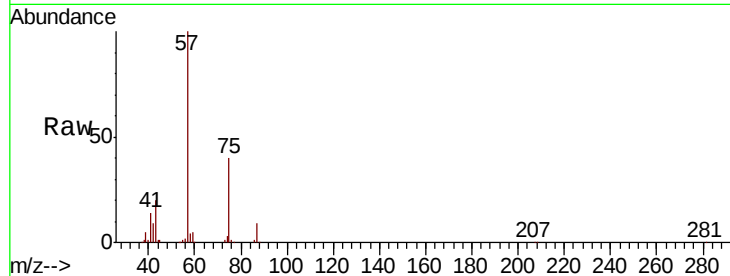




#57
 1,3-Dichloropropane
 Concen: 0.930 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060535.D
 Acq: 16 Mar 2020 19:46

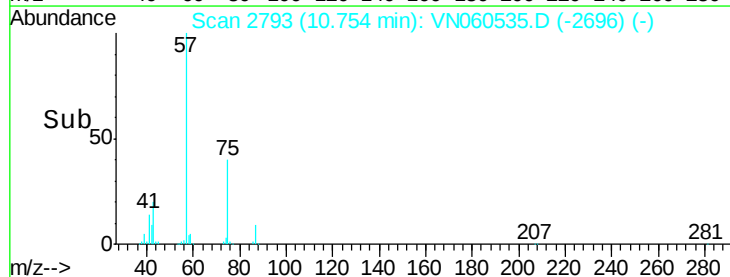
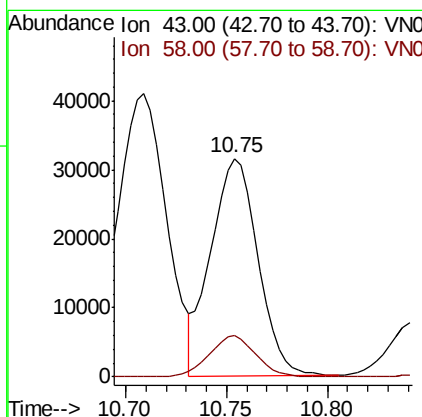
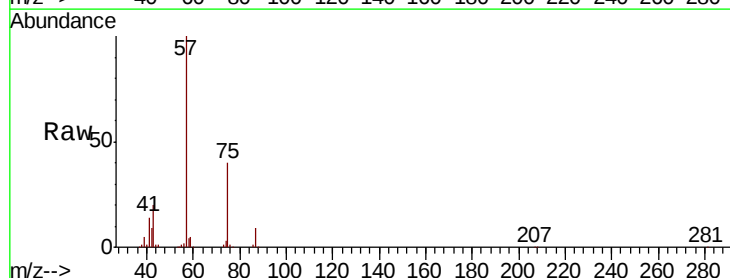
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127541ZHE#08

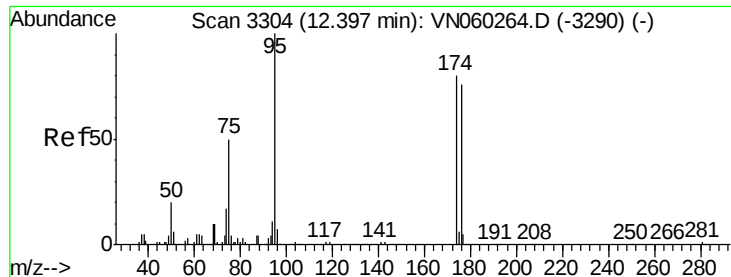
Tot Ion: 76 Resp: 3649
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 22.706 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060535.D
 Acq: 16 Mar 2020 19:46

Tgt Ion: 43 Resp: 51267
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#08

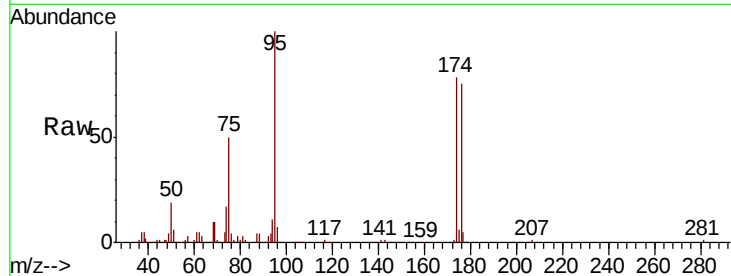
Tot Ion: 95 Resp: 158924

Ion Ratio Lower Upper

95 100

174 78.6 0.0 159.2

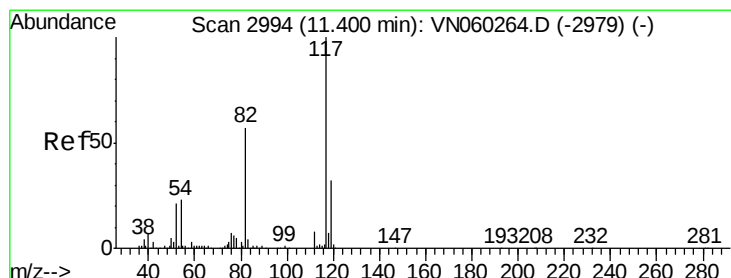
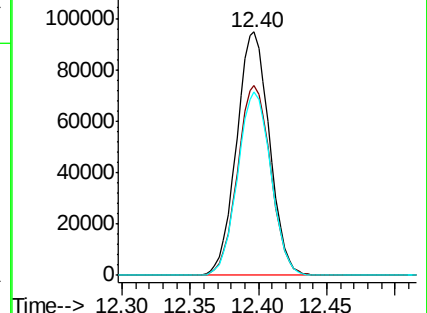
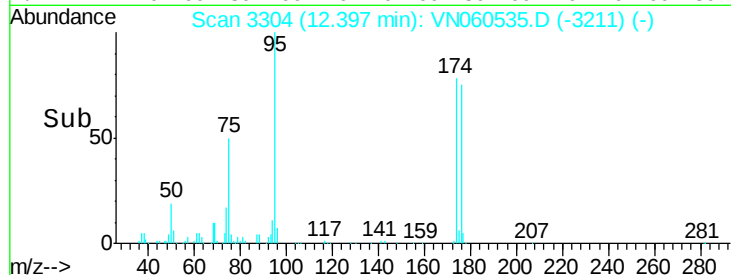
176 76.0 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060535.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060535.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060535.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

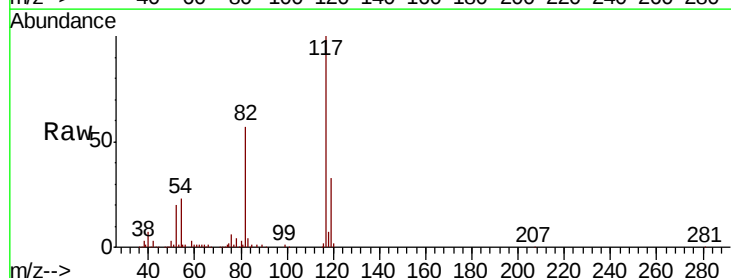
Tgt Ion: 117 Resp: 323802

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

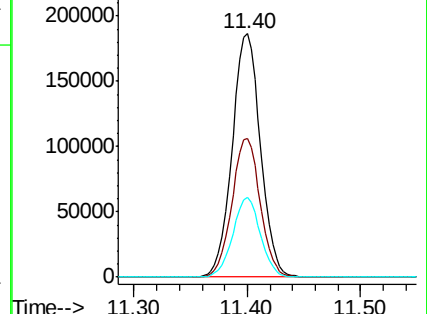
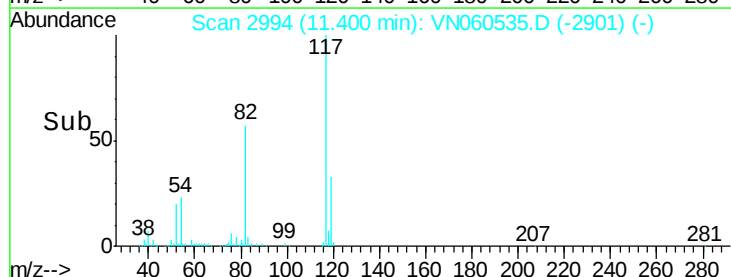
119 32.5 25.8 38.8

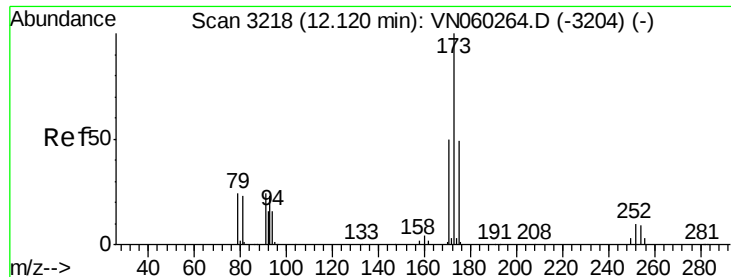


Abundance Ion 116.90 (116.60 to 117.60): VN060535.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060535.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060535.D (-2901) (-)

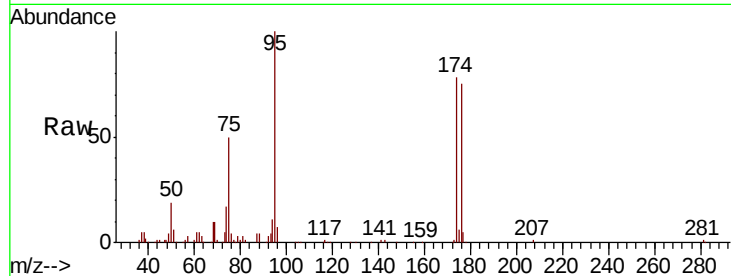




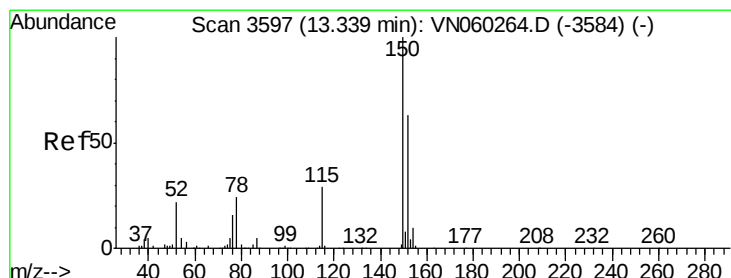
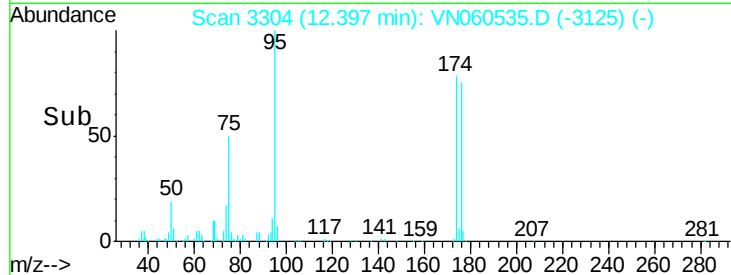
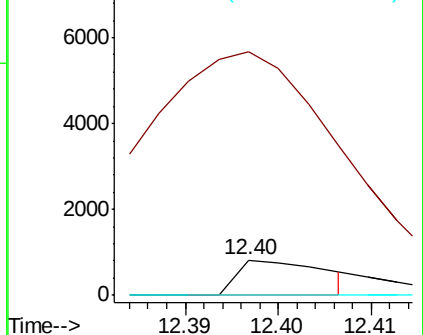
#71
Bromoform
Concen: 0.306 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

Instrument :
MSVOA_N
ClientSampleId :
PB127541ZHE#08

Tot Ion:173 Resp: 534
Ion Ratio Lower Upper
173 100
175 1511.6 24.1 72.2#
254 0.0 0.0 0.0

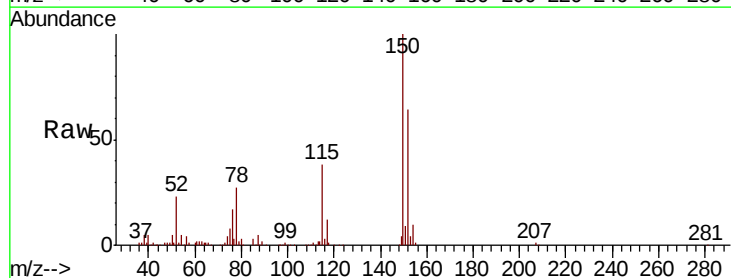


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

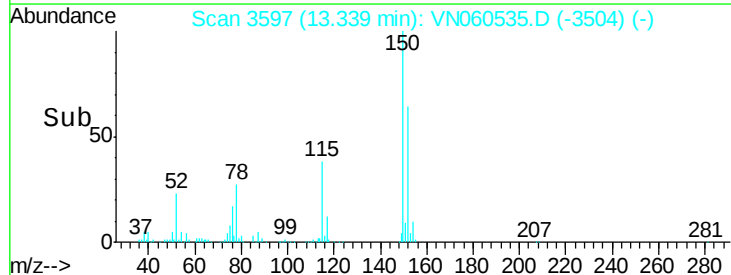
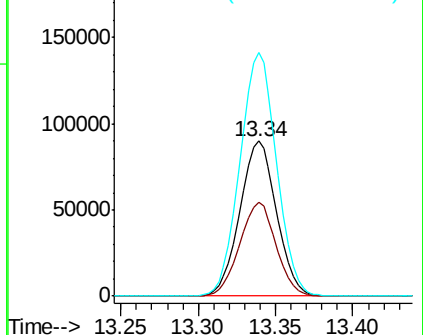


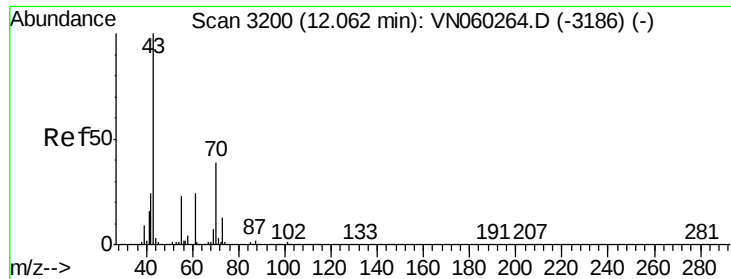
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060535.D
Acq: 16 Mar 2020 19:46

Tgt Ion:152 Resp: 148018
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 157.1 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: 0.672 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB127541ZHE#08

Tot Ion: 43 Resp: 3221

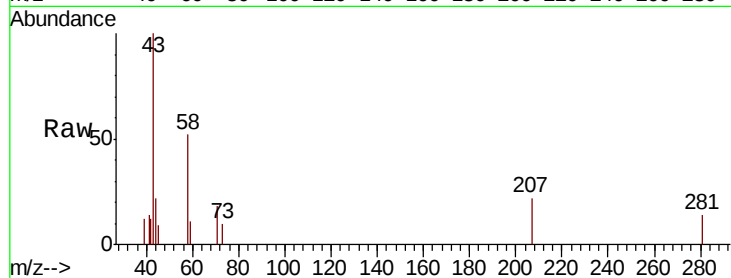
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

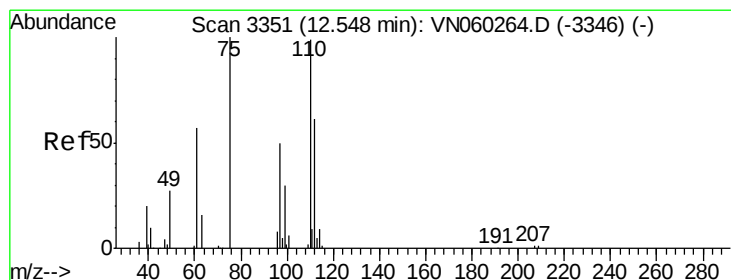
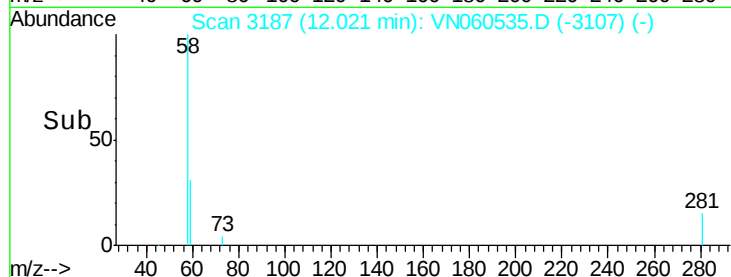
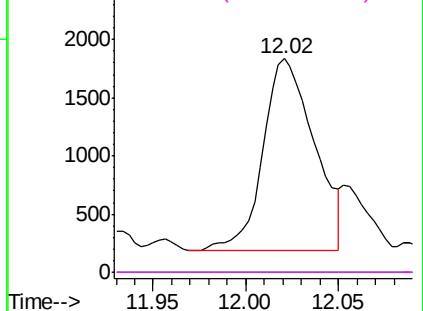


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.757 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060535.D

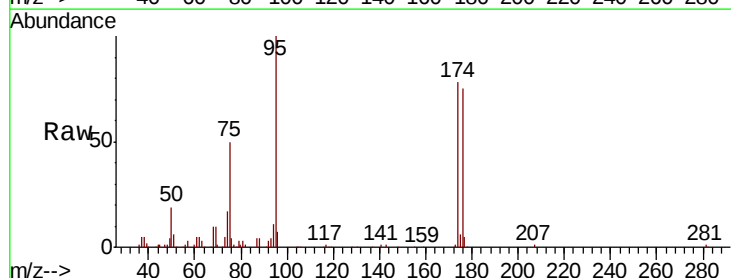
Acq: 16 Mar 2020 19:46

Tgt Ion: 75 Resp: 80398

Ion Ratio Lower Upper

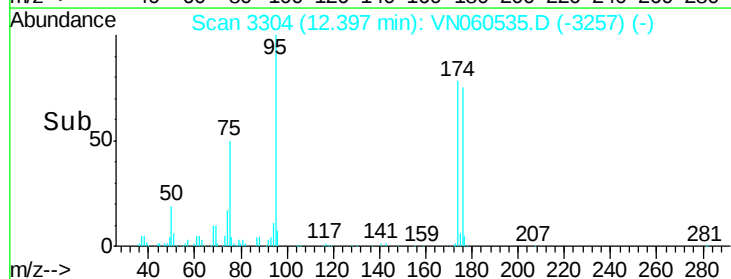
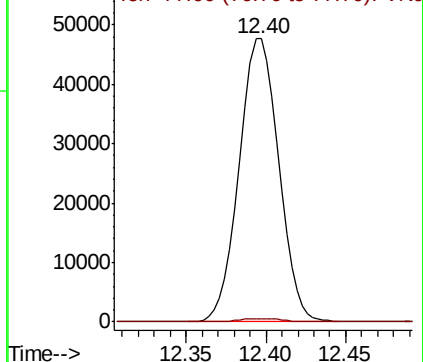
75 100

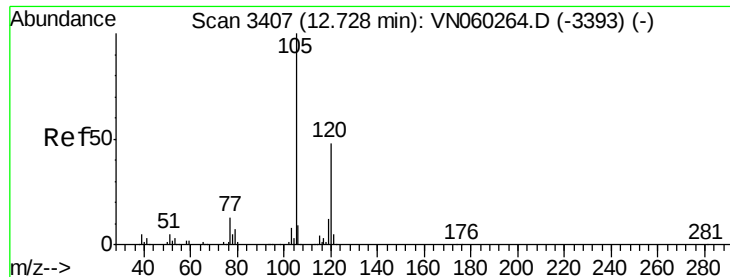
77 1.2 0.0 0.0#



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: 0.793 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

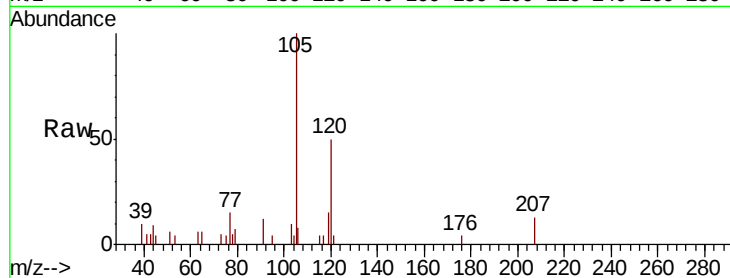
PB127541ZHE#08

Tot Ion:105 Resp: 7327

Ion Ratio Lower Upper

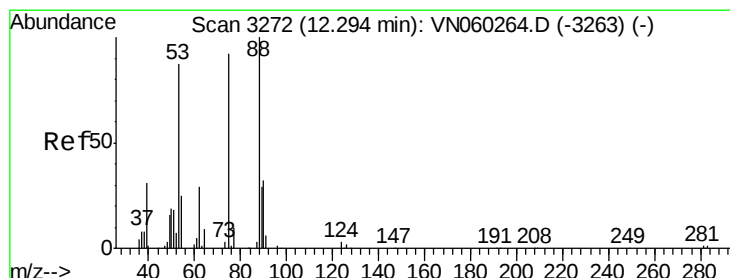
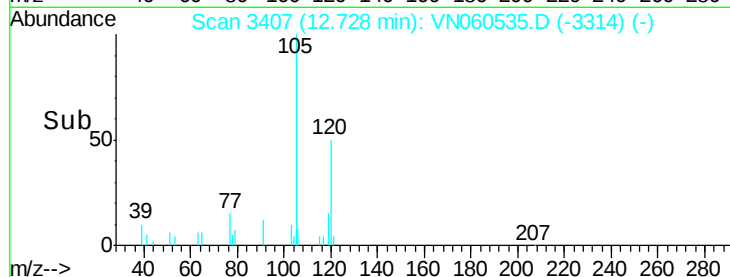
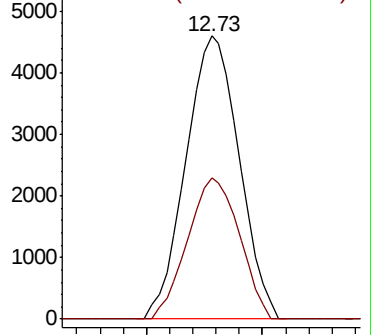
105 100

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: 68.340 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060535.D

Acq: 16 Mar 2020 19:46

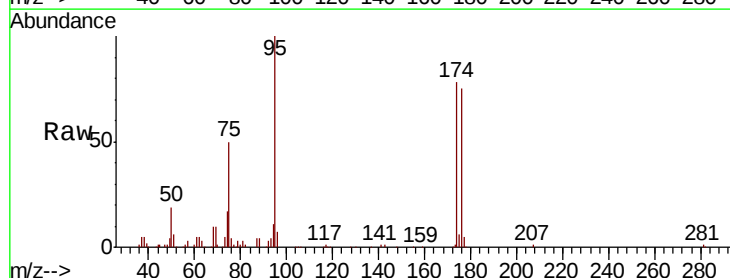
Tgt Ion: 75 Resp: 80398

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

