

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060332.D
 Acq On : 3 Mar 2020 16:12
 Operator : JC/MD
 Sample : L1762-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:15:32 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	194841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139462	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	124579	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	7.57	113	90395	61.29	ug/l	0.00
Spiked Amount			Recovery	=	122.58%	
50) Toluene-d8	10.08	98	390915	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	145686	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

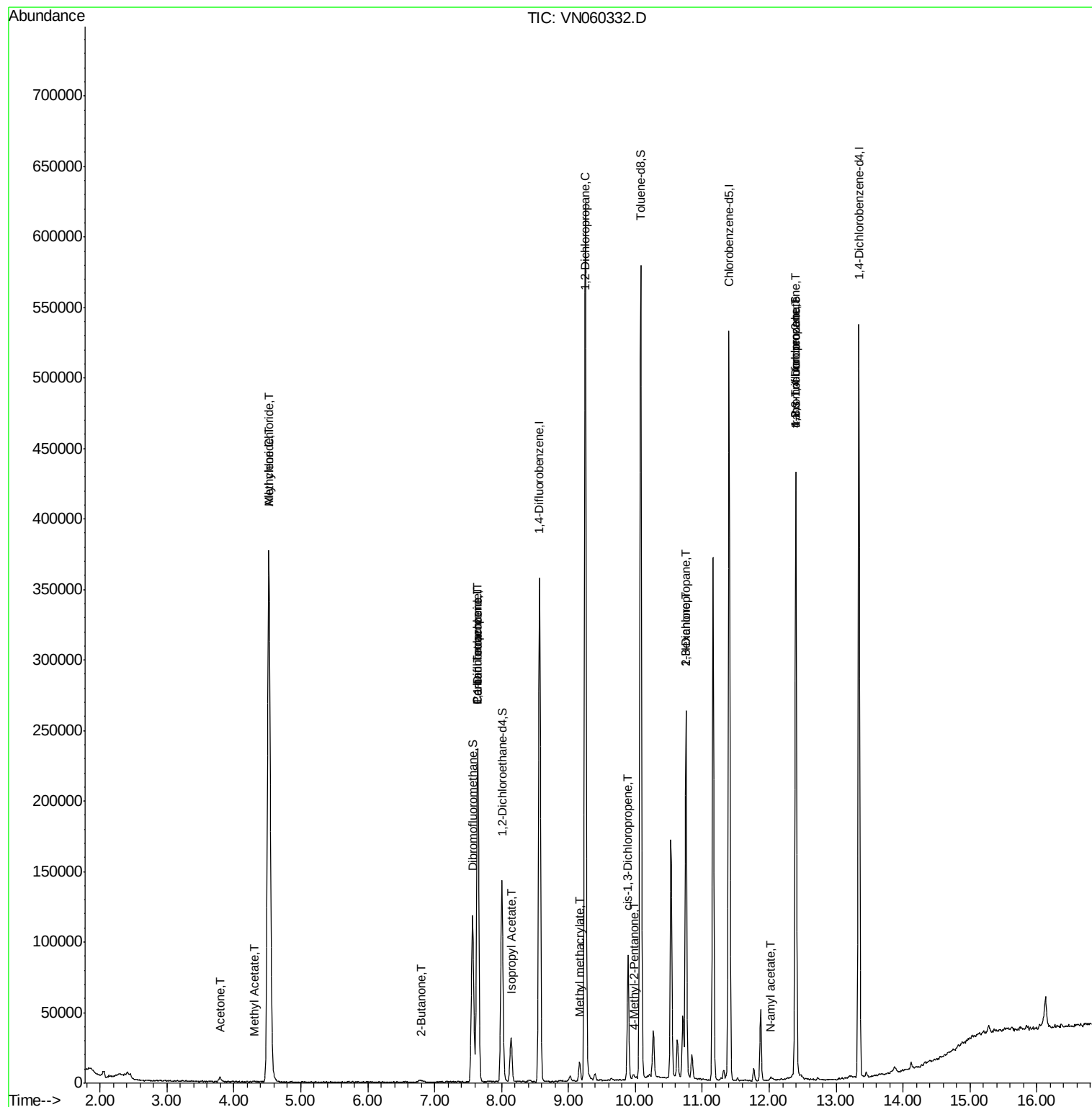
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.74	96	60	Below Cal	#	1
14) Allyl chloride	4.53	41	10000	2.897	ug/l #	24
16) Acetone	3.79	43	5949	7.369	ug/l	100
18) Methyl Acetate	4.30	43	812	0.301	ug/l #	52
20) Methylene Chloride	4.52	84	282414	127.384	ug/l	97
25) 2-Butanone	6.81	43	611	0.469	ug/l #	49
31) Cyclohexane	7.64	56	4312	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15152	5.003	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18555	6.293	ug/l #	16
43) Isopropyl Acetate	8.14	43	37699	7.510	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	675	0.293	ug/l #	44
48) Methyl methacrylate	9.16	41	1848	0.807	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3050	1.072	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	15758	4.081	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2626	0.723	ug/l #	42
59) 2-Hexanone	10.75	43	39562	18.932	ug/l #	51
74) N-amyl acetate	12.02	43	2587	0.573	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74989	24.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74989	67.653	ug/l #	8
95) Naphthalene	15.13	128	320	Below Cal	#	69

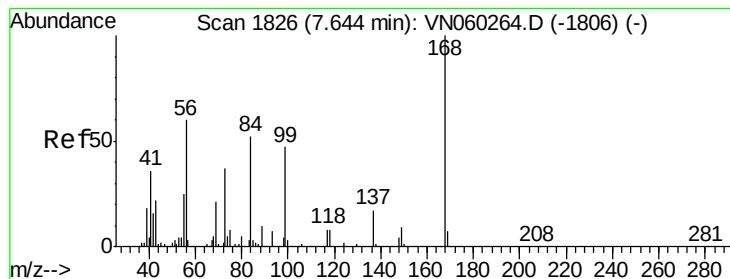
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

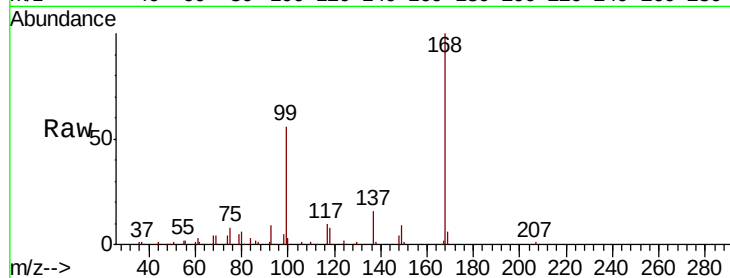
ClientSampled :

Tot Ion:168 Resp: 194841

Ion Ratio Lower Upper

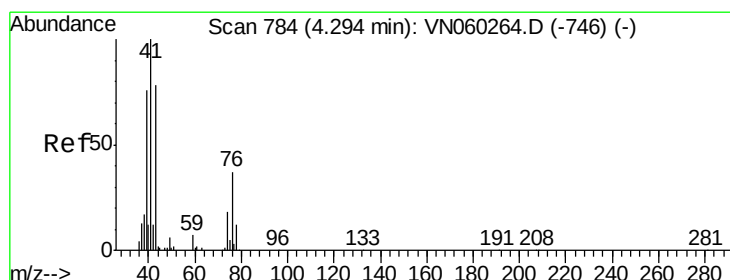
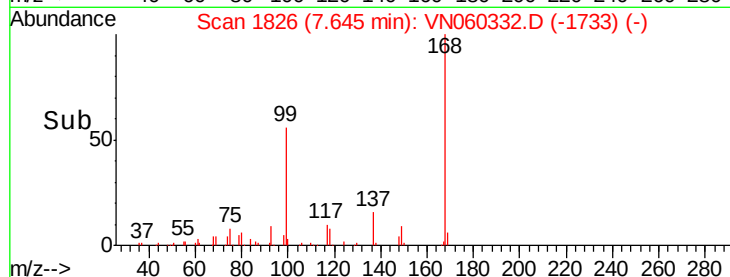
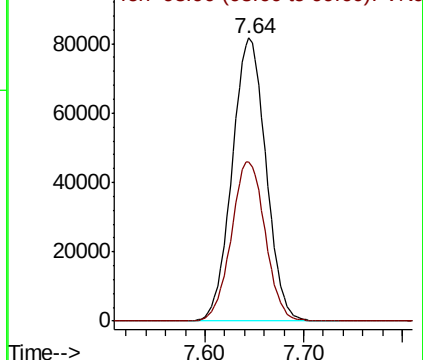
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 2.897 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

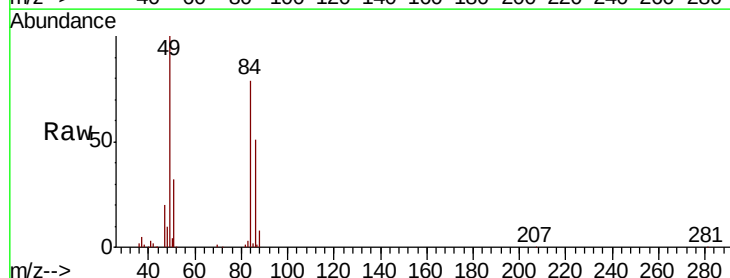
Tgt Ion: 41 Resp: 10000

Ion Ratio Lower Upper

41 100

39 0.0 55.4 83.2#

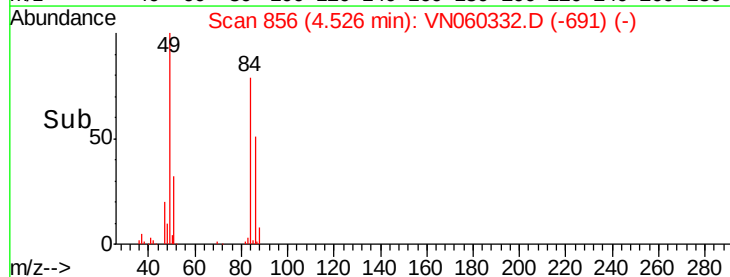
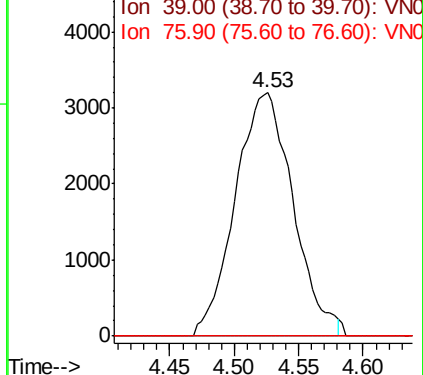
76 0.0 27.0 40.6#

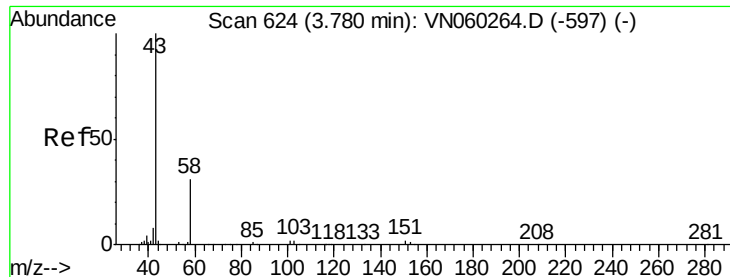


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 7.369 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

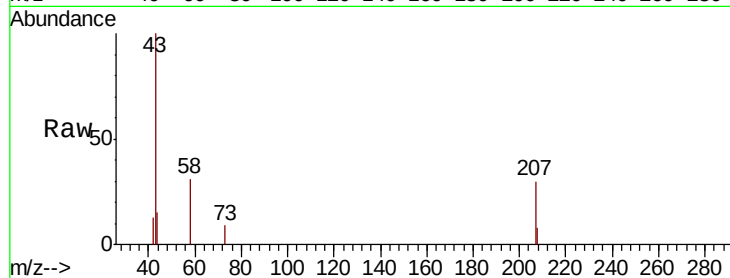
ClientSampled :

Tot Ion: 43 Resp: 5949

Ion Ratio Lower Upper

43 100

58 30.6 24.6 36.8

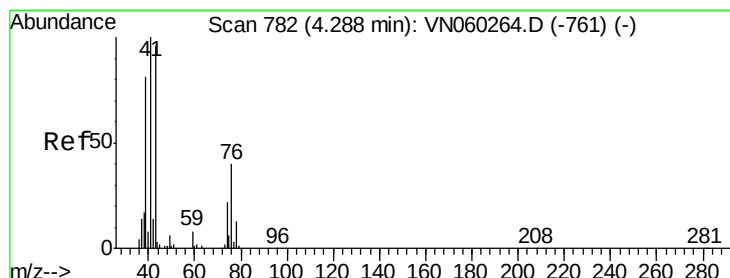
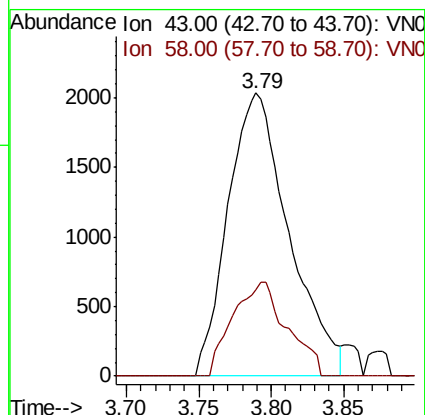
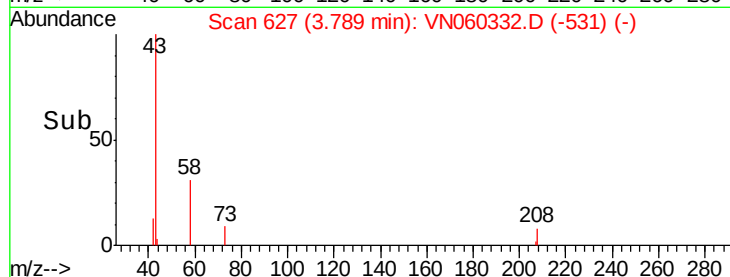


Abundance Ion 43.00 (42.70 to 43.70): VN060332.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060332.D (-531) (-)

Time-->

3.70 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060332.D

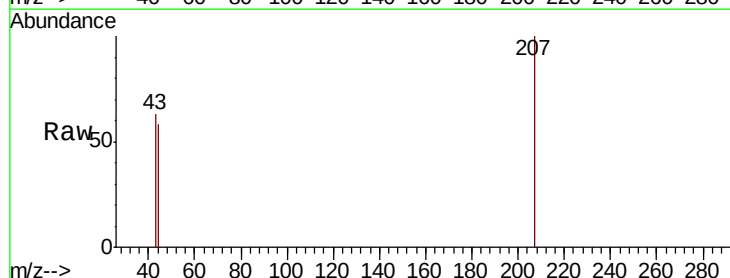
Acq: 3 Mar 2020 16:12

Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#

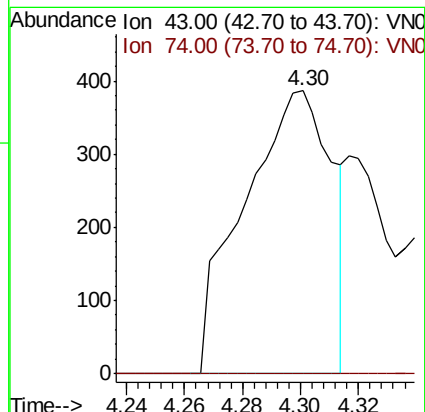
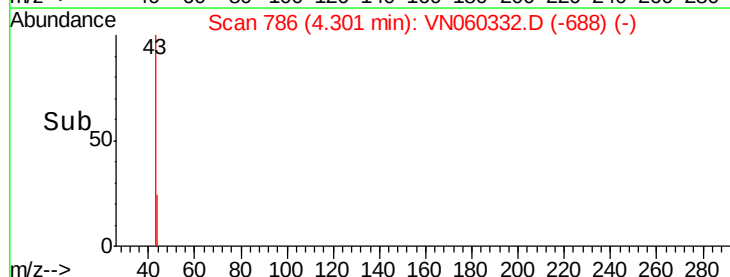


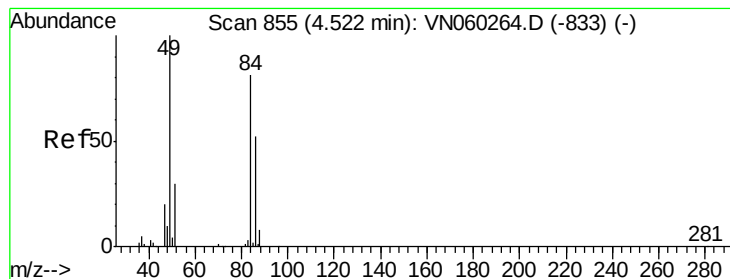
Abundance Ion 43.00 (42.70 to 43.70): VN060332.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN060332.D (-688) (-)

Time-->

4.24 4.26 4.28 4.30 4.32





#20

Methvlene Chloride

Concen: 127.384 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 282414

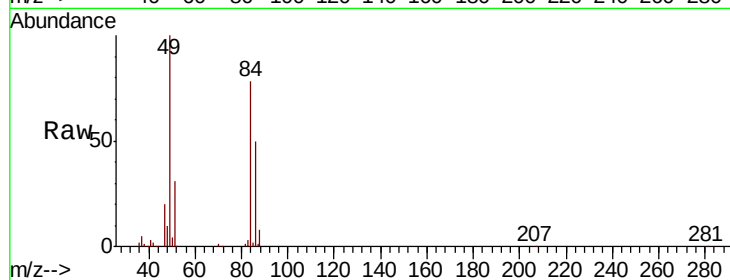
Ion Ratio Lower Upper

84 100

49 127.9 99.3 148.9

51 39.7 30.1 45.1

86 64.4 51.1 76.7

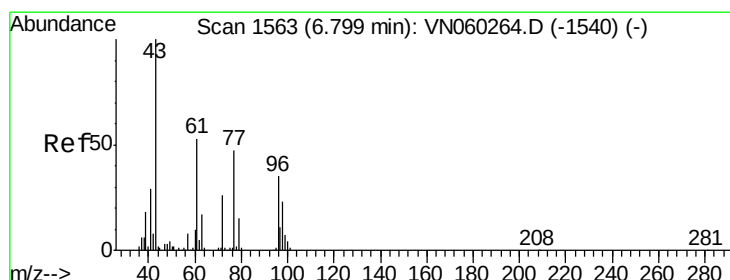
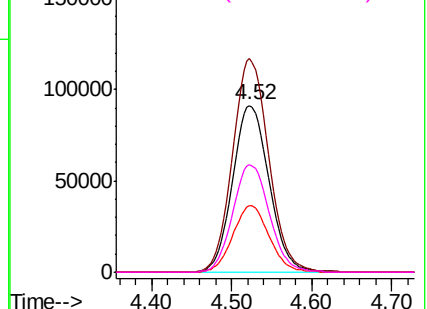
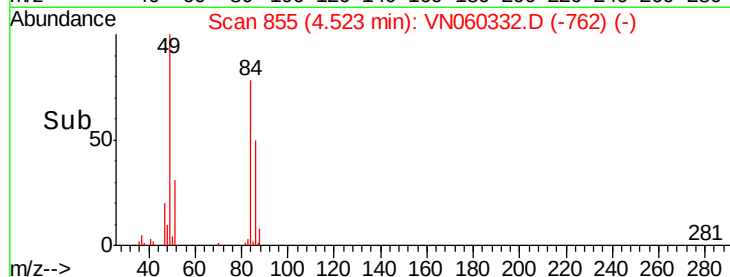


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.469 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060332.D

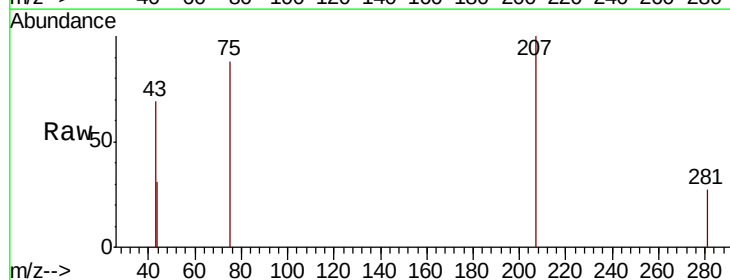
Acq: 3 Mar 2020 16:12

Tgt Ion: 43 Resp: 611

Ion Ratio Lower Upper

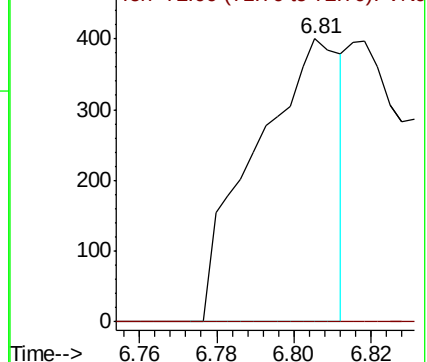
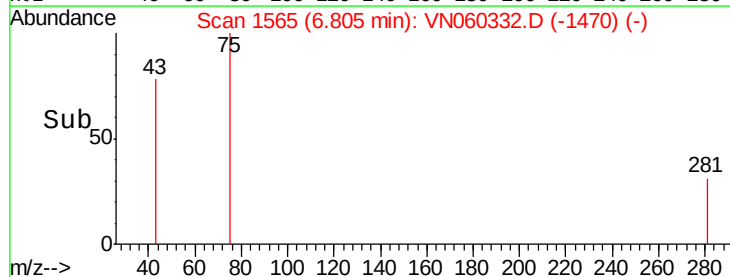
43 100

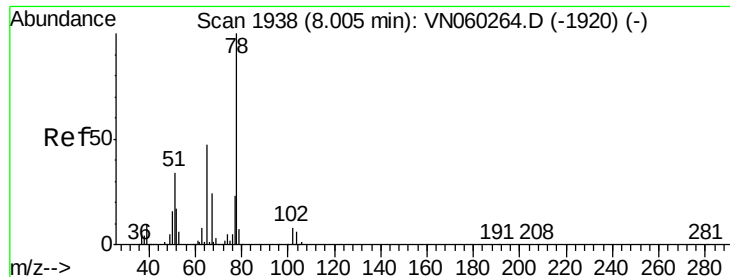
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

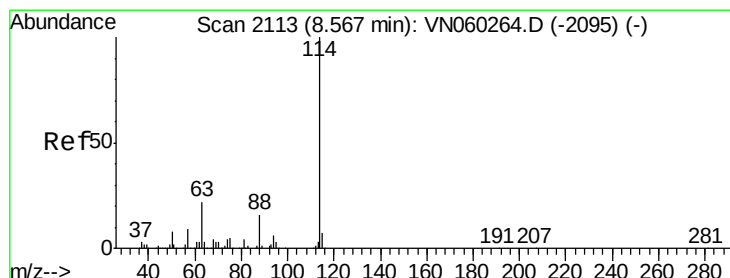
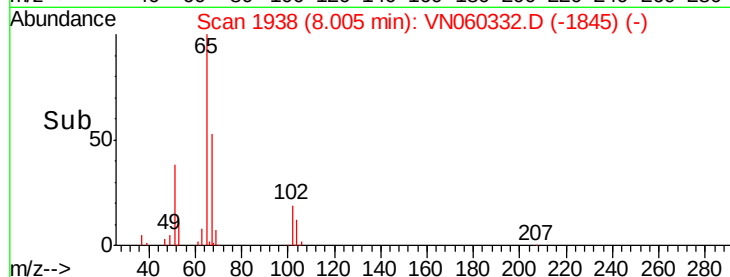
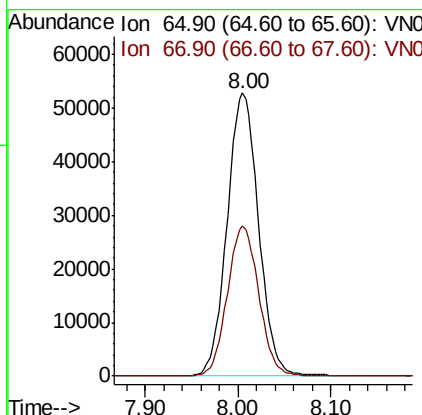
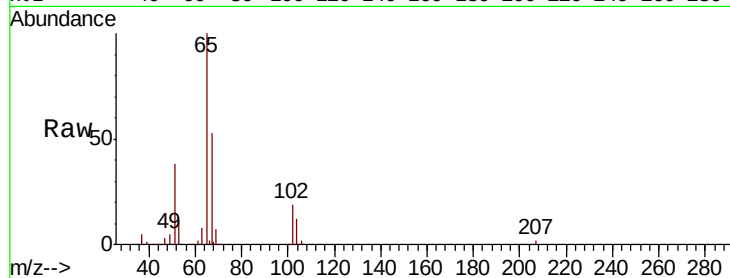




#33
 1,2-Dichloroethane-d4
 Concen: 49.835 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060332.D
 Acq: 3 Mar 2020 16:12

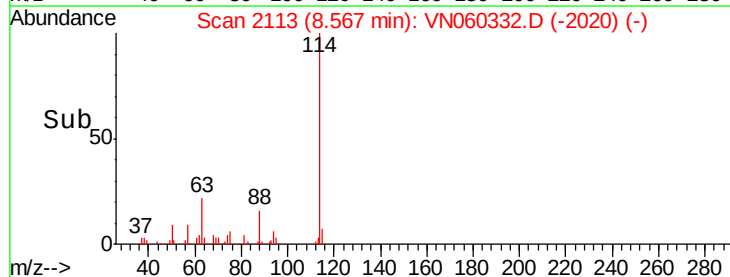
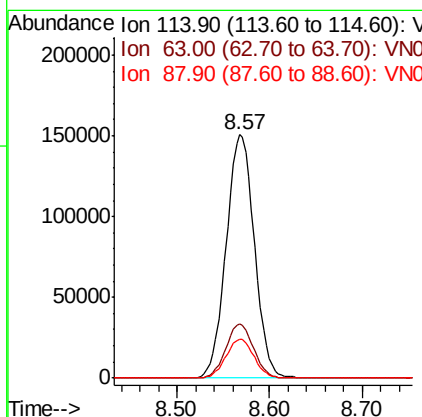
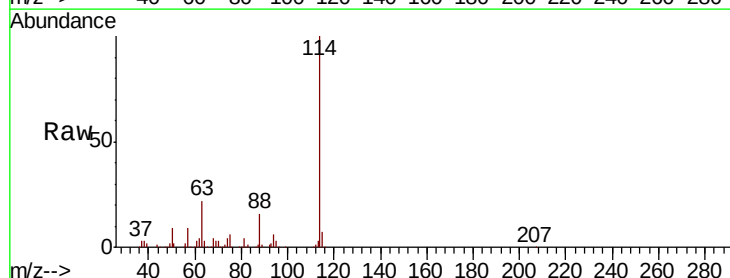
Instrument :
 MSVOA_N
 ClientSampled :

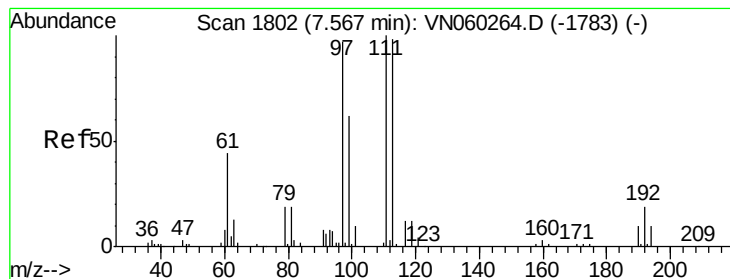
Tot Ion: 65 Resp: 124579
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060332.D
 Acq: 3 Mar 2020 16:12

Tgt Ion: 114 Resp: 317747
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 61.290 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

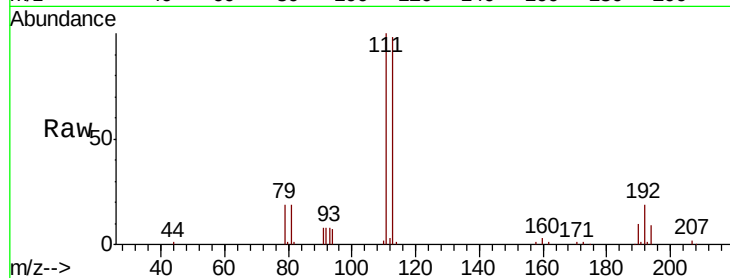
Tot Ion:113 Resp: 90395

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

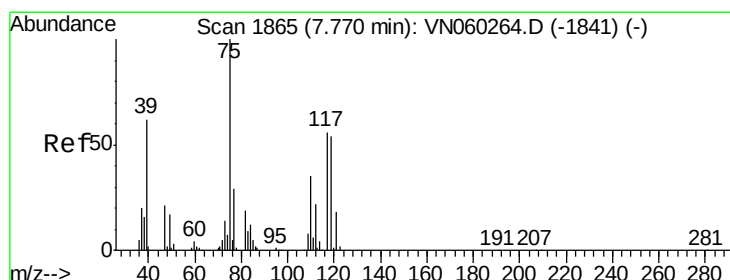
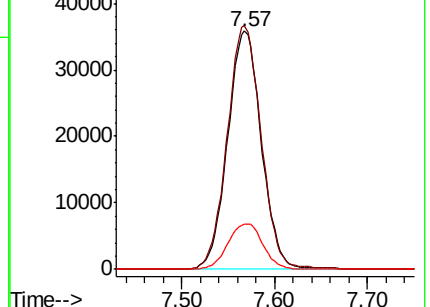
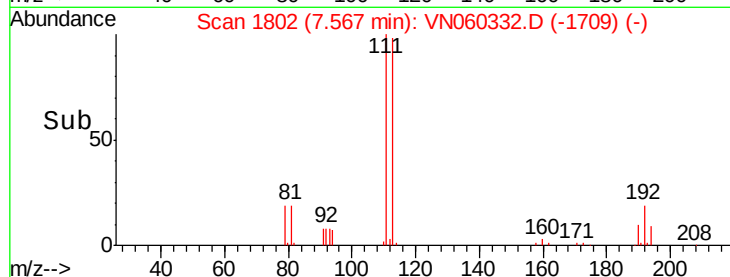
192 19.8 16.2 24.2



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: 5.003 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

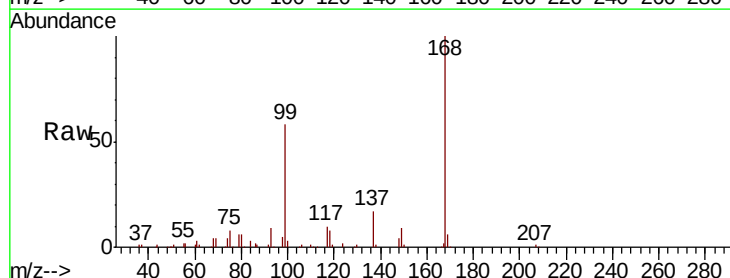
Tgt Ion: 75 Resp: 15152

Ion Ratio Lower Upper

75 100

110 8.8 17.3 52.0#

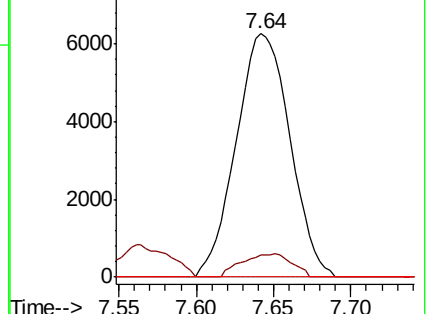
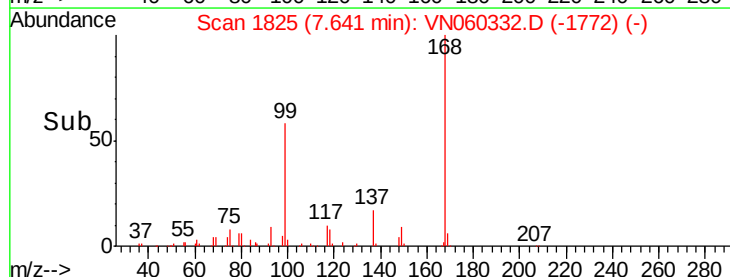
77 0.0 24.2 36.2#

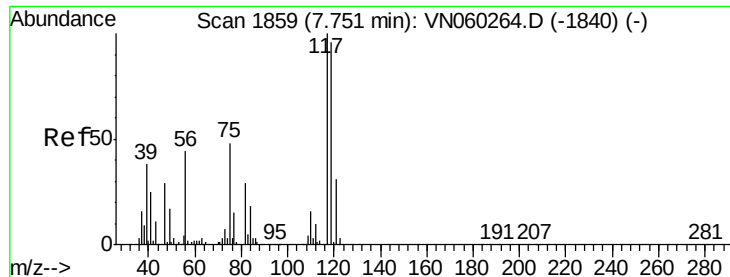


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampled :

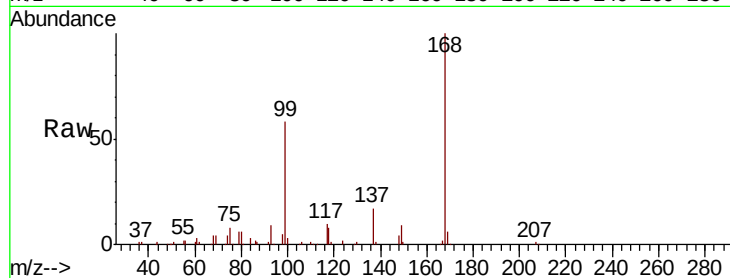
Tot Ion:117 Resp: 18555

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

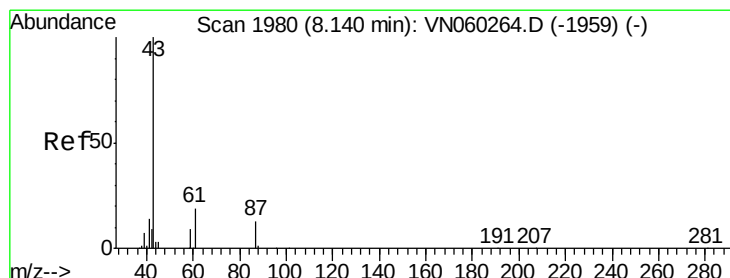
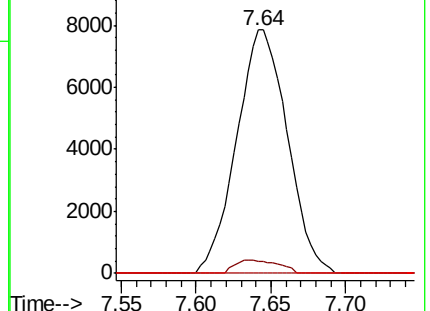
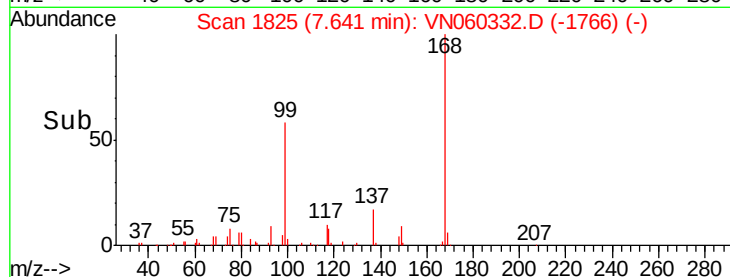
121 0.0 24.5 36.7#



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: 7.510 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

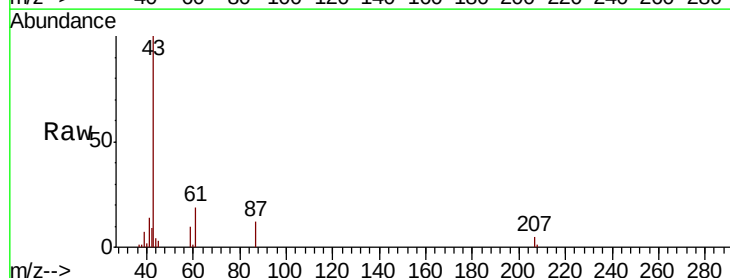
Tgt Ion: 43 Resp: 37699

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

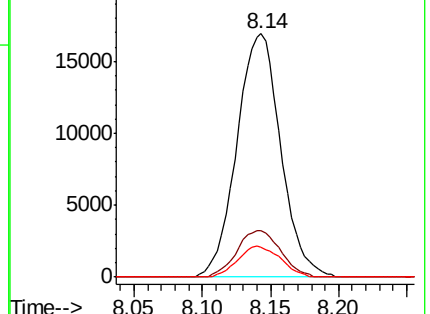
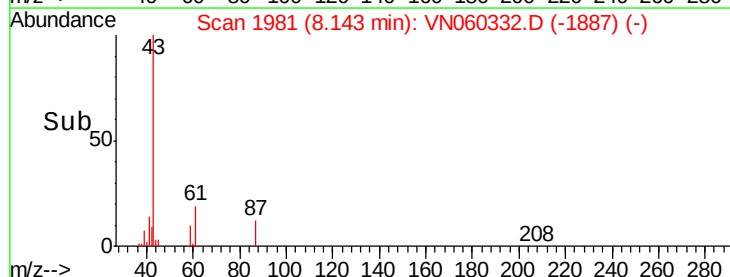
87 12.3 10.6 16.0

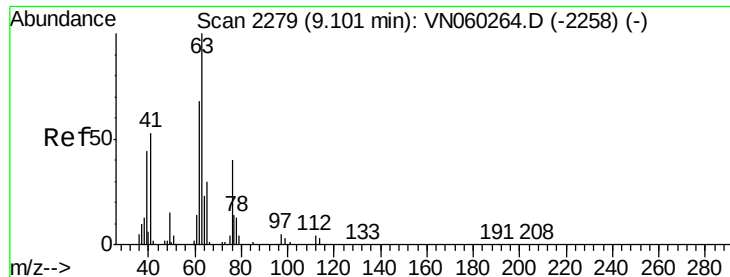


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

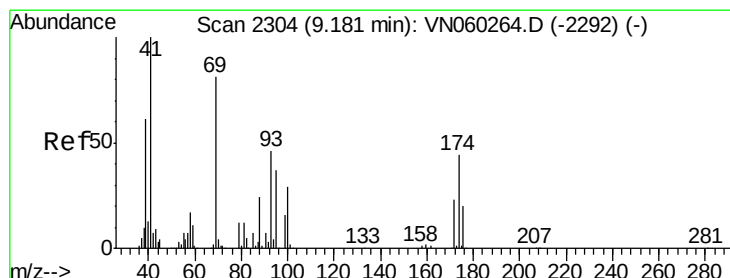
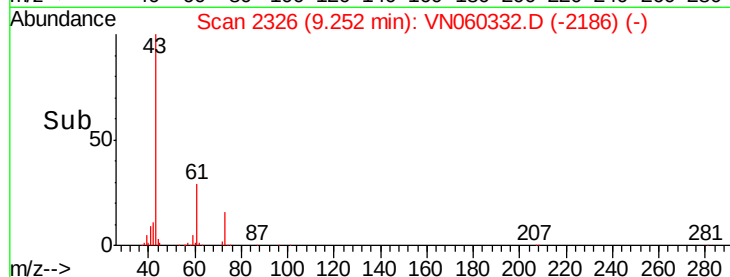
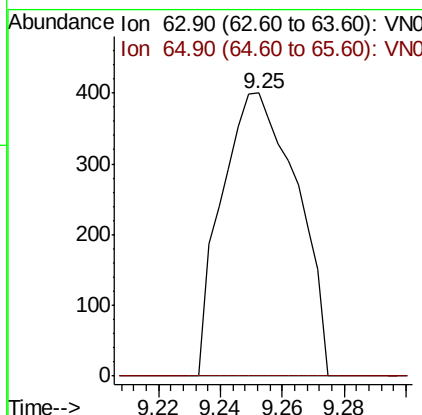
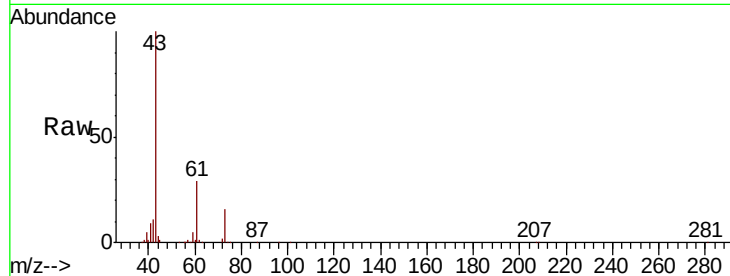




#45
 1,2-Dichloropropane
 Concen: 0.293 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060332.D
 Acq: 3 Mar 2020 16:12

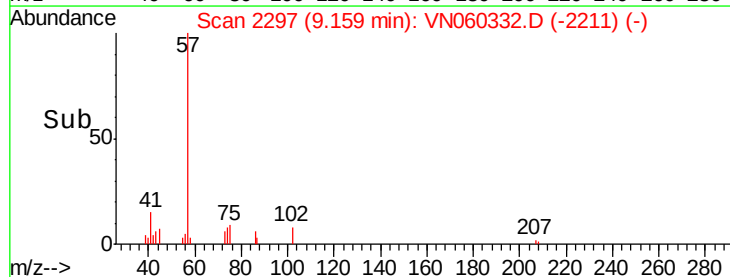
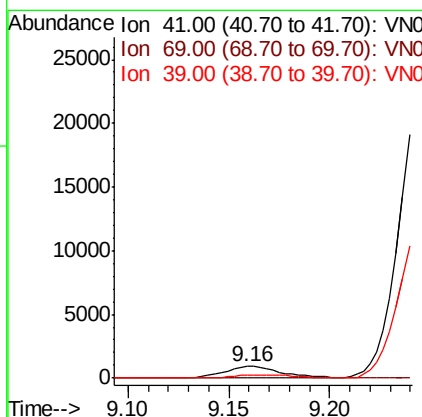
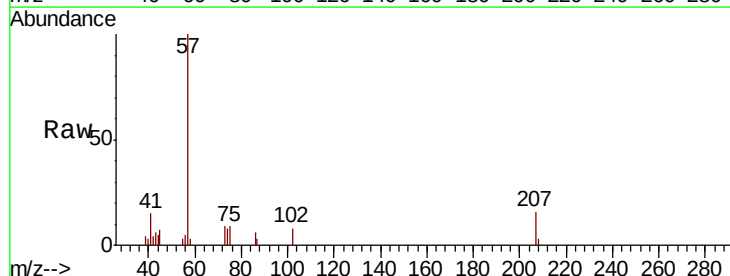
Instrument :
 MSVOA_N
 ClientSampleId :

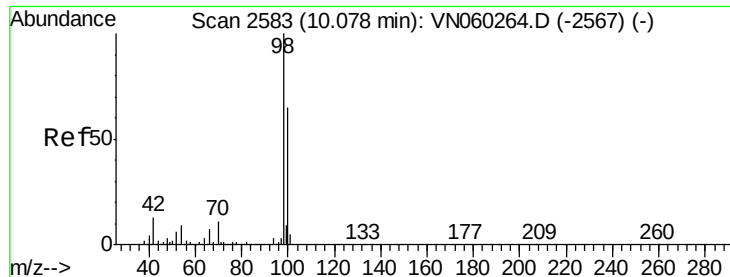
Tot Ion: 63 Resp: 675
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 0.807 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060332.D
 Acq: 3 Mar 2020 16:12

Tgt Ion: 41 Resp: 1848
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.369 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

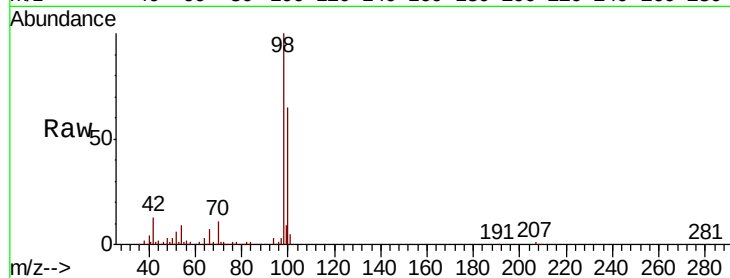
ClientSampled :

Tot Ion: 98 Resp: 390915

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)

10.08

250000

200000

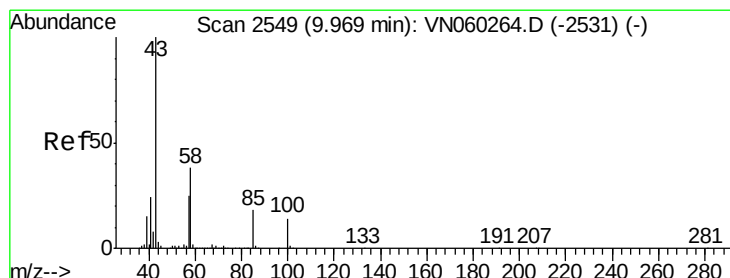
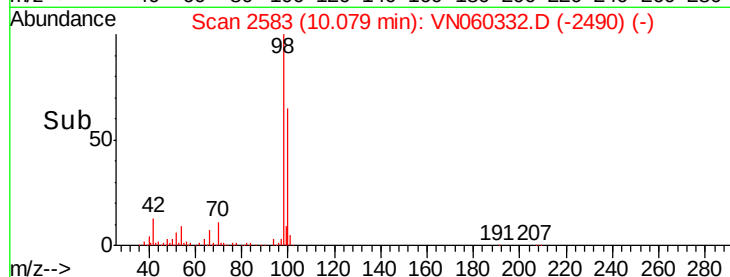
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.072 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060332.D

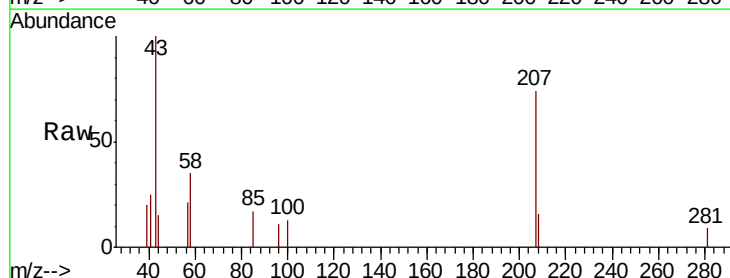
Acq: 3 Mar 2020 16:12

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

43 100

58 33.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

4000

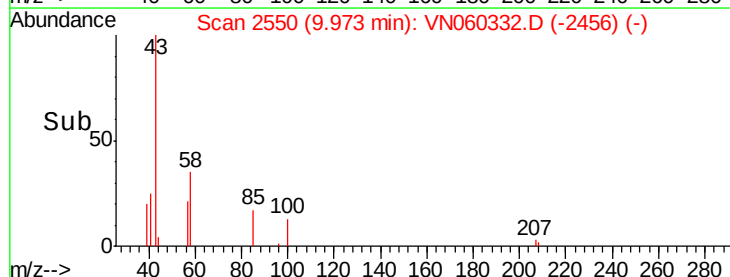
3000

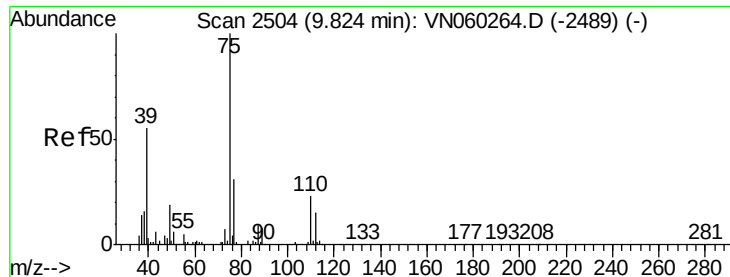
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.081 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060332.D

Acq: 3 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

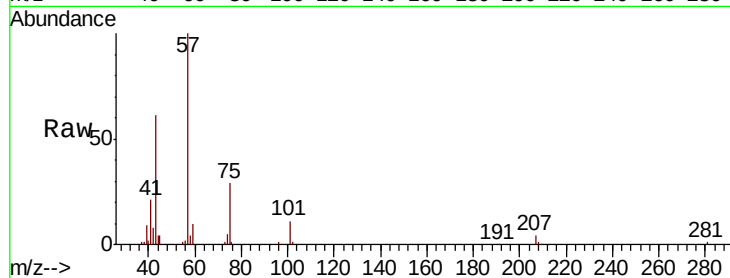
Tot Ion: 75 Resp: 15758

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

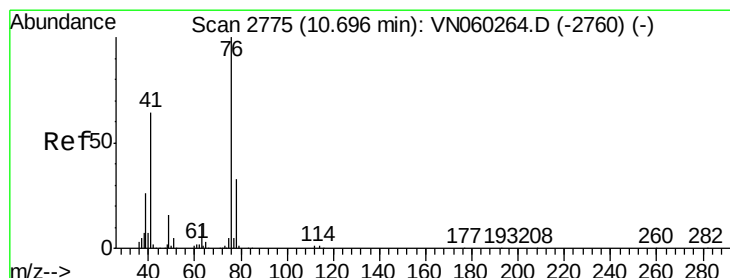
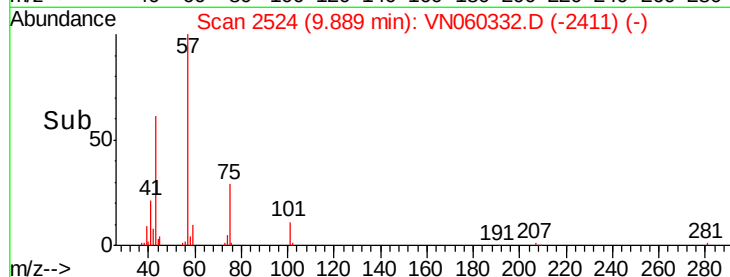
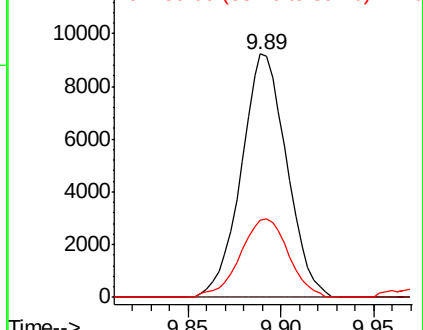
39 31.5 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060332.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060332.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060332.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.723 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060332.D

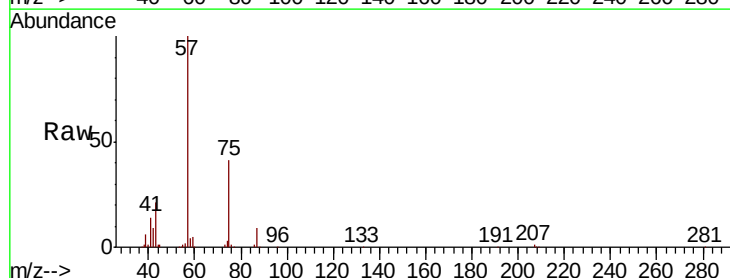
Acq: 3 Mar 2020 16:12

Tgt Ion: 76 Resp: 2626

Ion Ratio Lower Upper

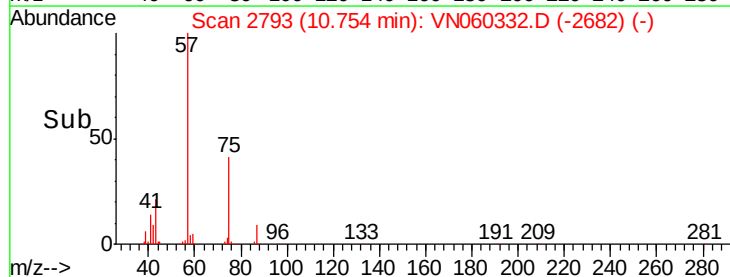
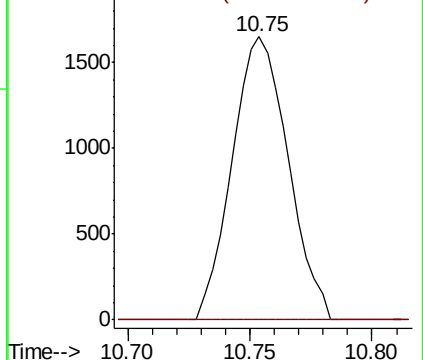
76 100

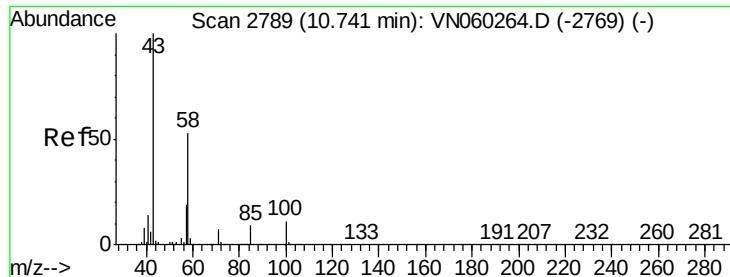
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060332.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060332.D (-2682) (-)

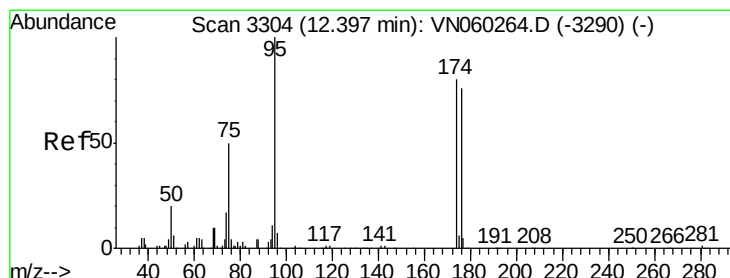
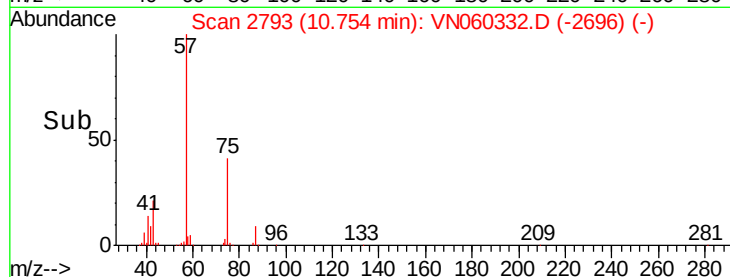
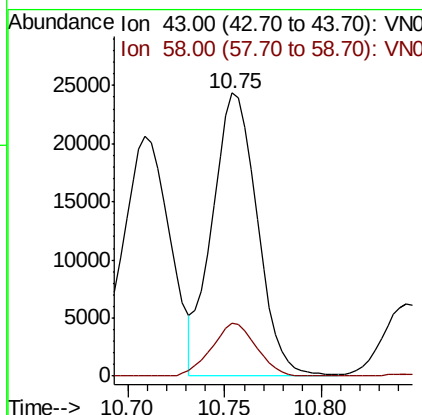
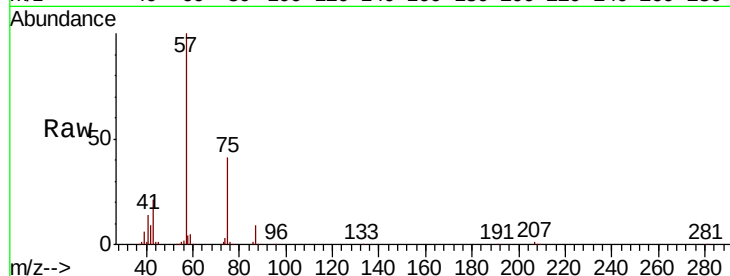




#59
2-Hexanone
Concen: 18.932 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

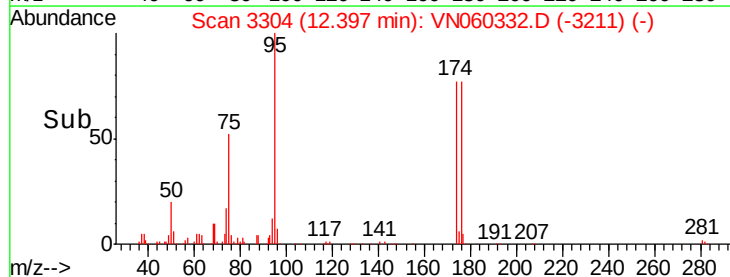
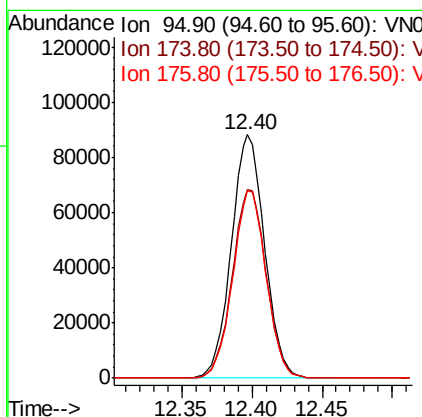
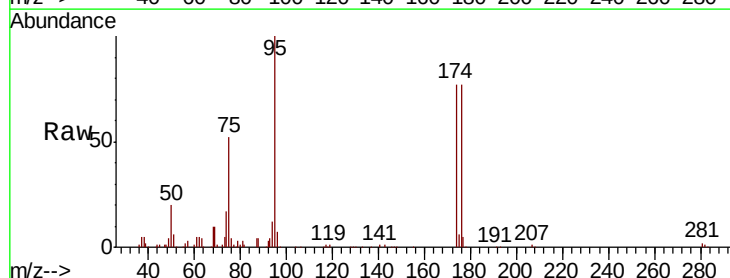
Instrument :
MSVOA_N
ClientSampleId :

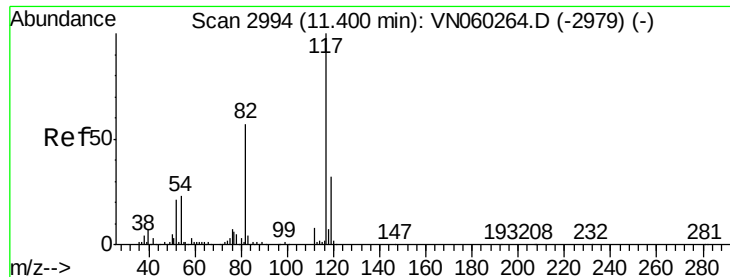
Tot Ion: 43 Resp: 39562
Ion Ratio Lower Upper
43 100
58 18.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.486 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Tgt Ion: 95 Resp: 145686
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 77.1 0.0 153.8

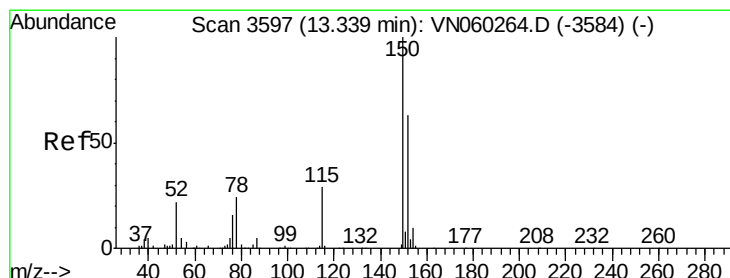
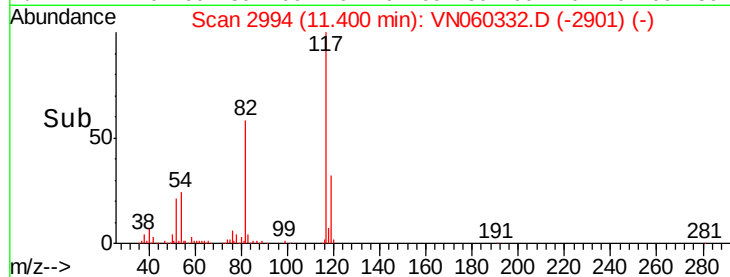
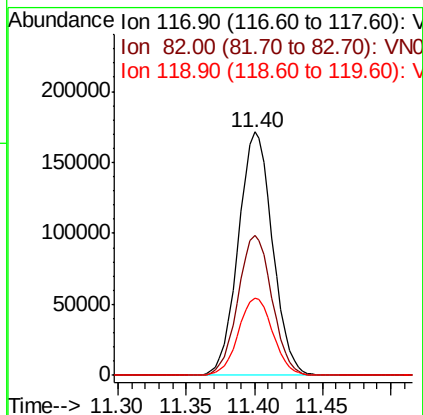
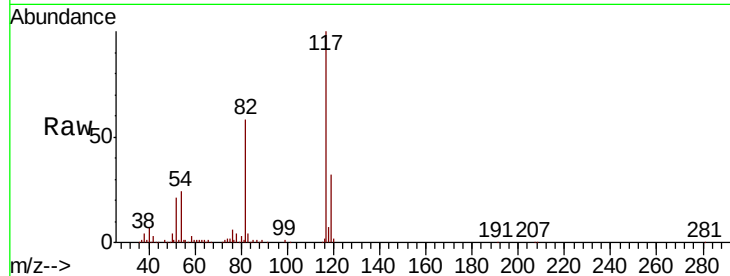




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

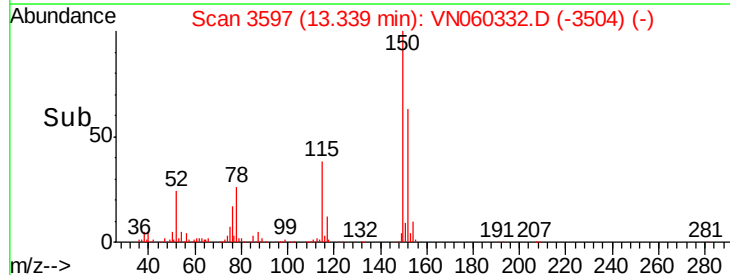
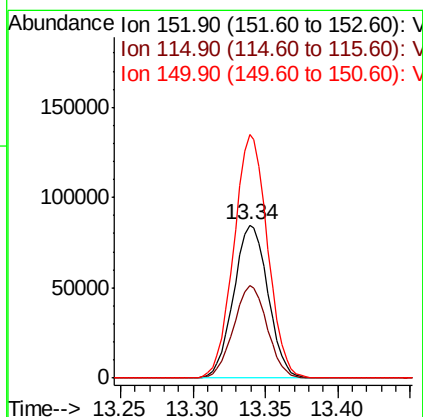
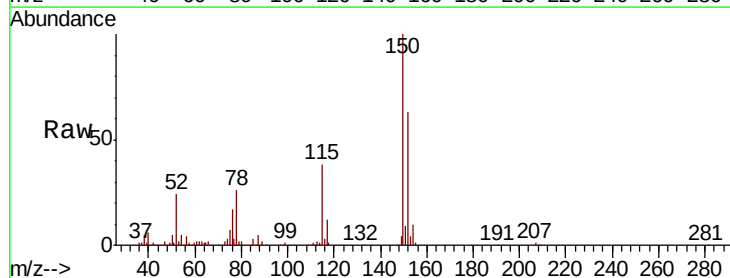
Instrument :
MSVOA_N
ClientSampled :

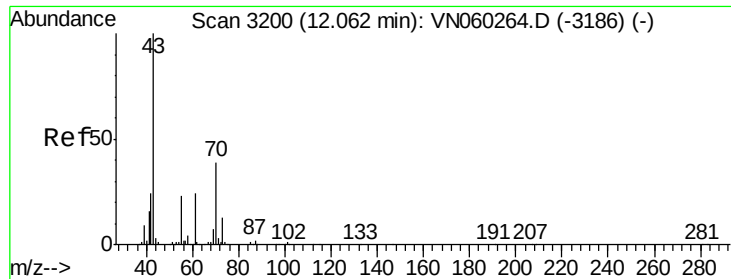
Tot Ion:117 Resp: 297894
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Tgt Ion:152 Resp: 139462
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 156.4 0.0 349.6

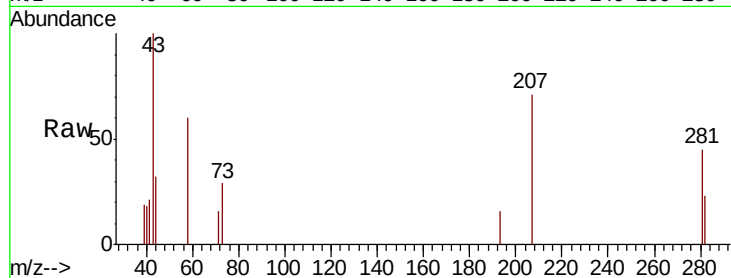




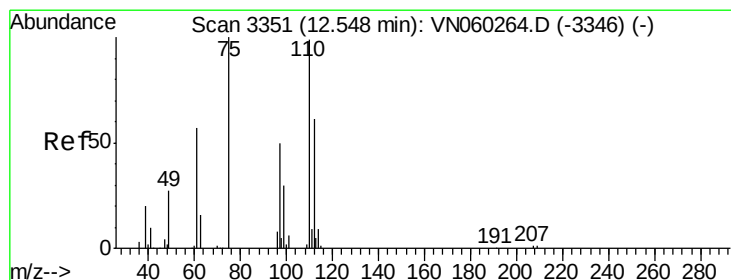
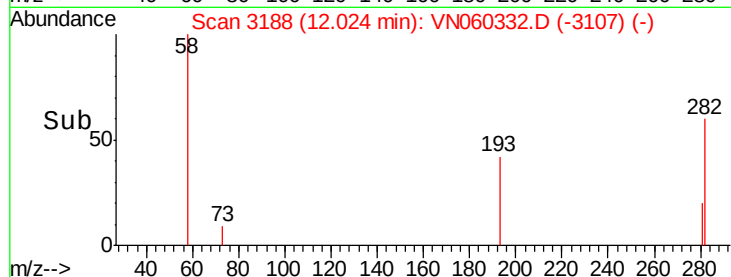
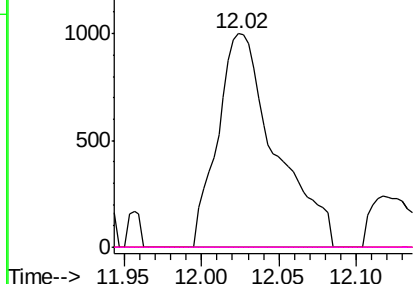
#74
N-amvl acetate
Concen: 0.573 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2587
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#

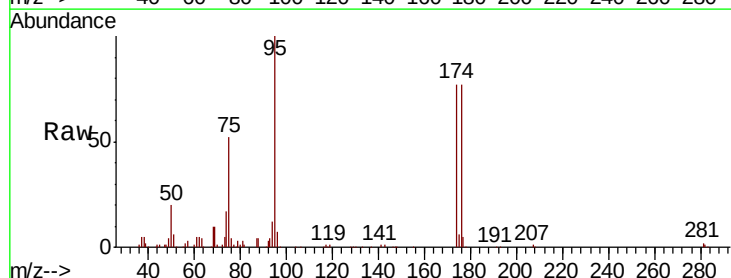


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

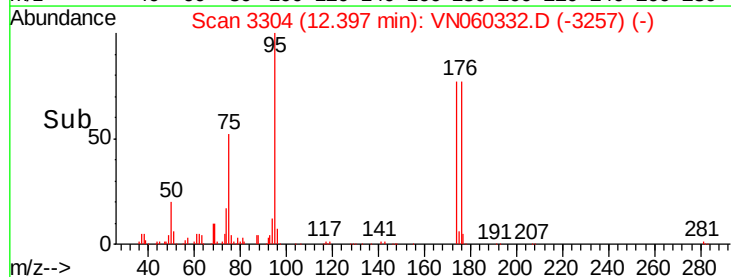
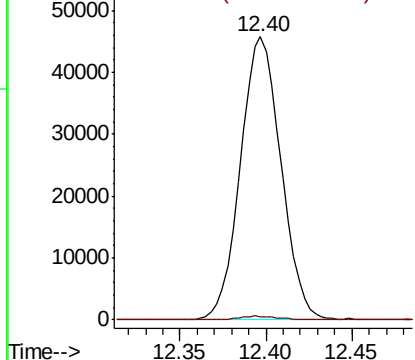


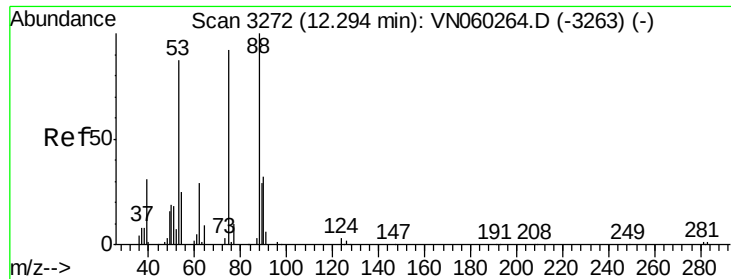
#76
1,2,3-Trichloropropane
Concen: 24.508 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Tgt Ion: 75 Resp: 74989
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

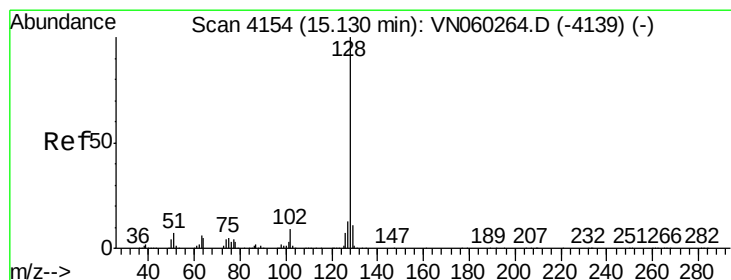
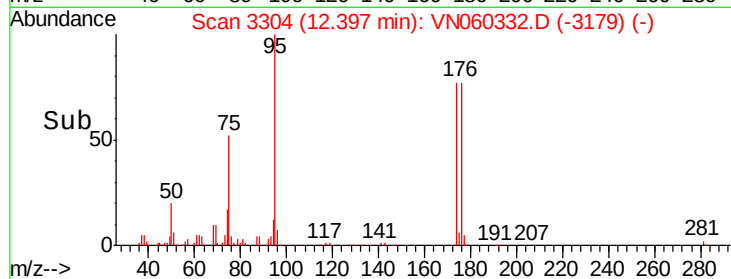
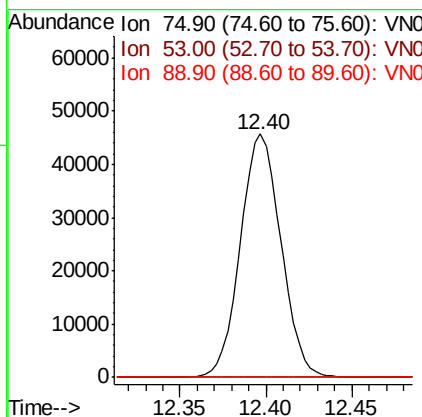
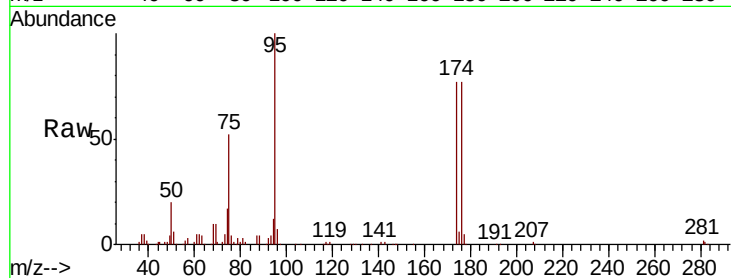




#81
trans-1,4-Dichloro-2-butene
Concen: 67.653 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 74989
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN060332.D
Acq: 3 Mar 2020 16:12

Tgt Ion: 128 Resp: 320
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

