

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060352.D
 Acq On : 4 Mar 2020 16:35
 Operator : JC/MD
 Sample : L1775-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CR-1

Quant Time: Mar 05 05:11:50 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	181556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117261	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.57	113	82944	60.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.74%	
50) Toluene-d8	10.08	98	369683	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.40	95	141529	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	

Target Compounds

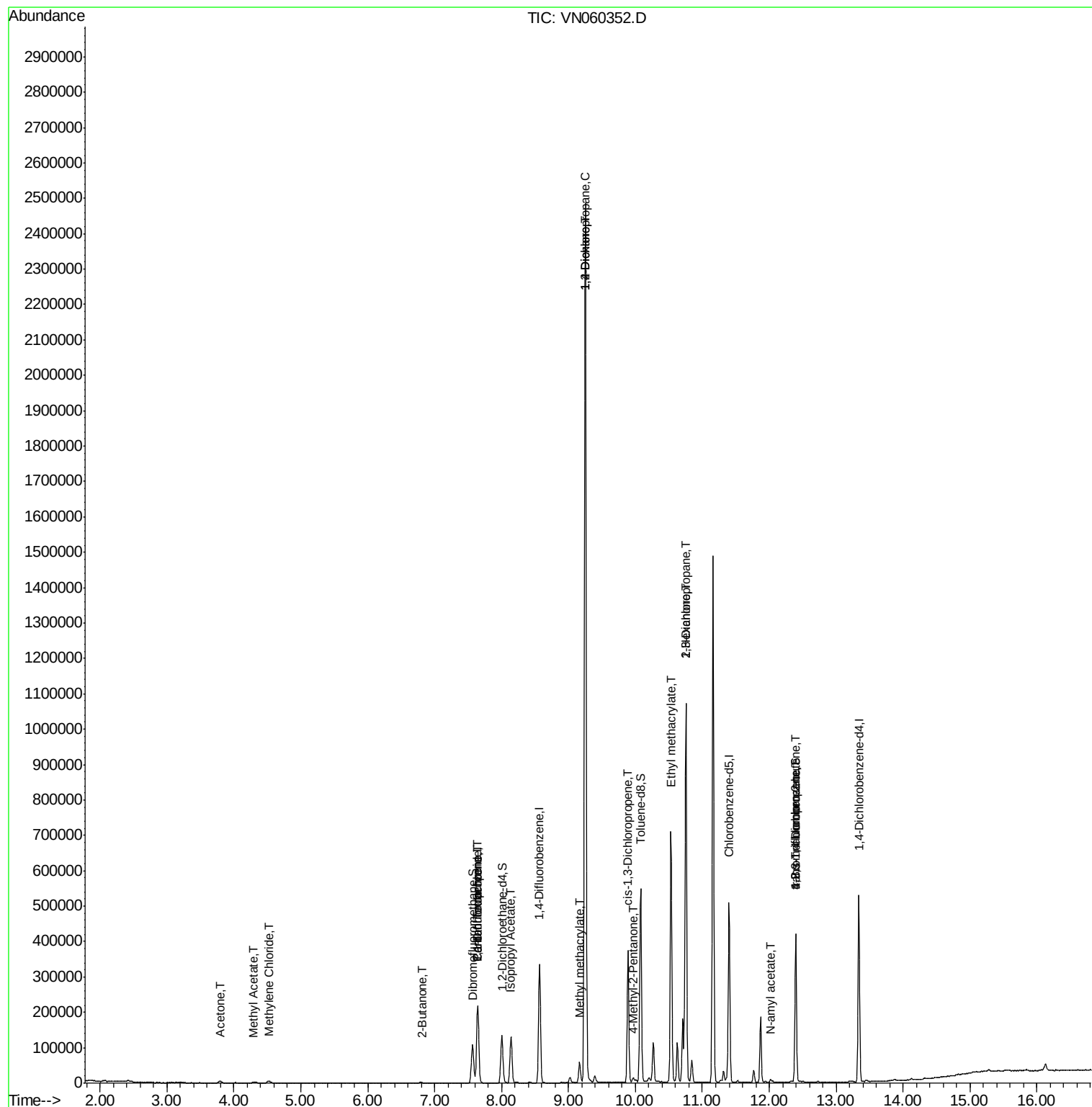
					Qvalue	
16) Acetone	3.79	43	8763	11.649	ug/l	99
18) Methyl Acetate	4.30	43	4266	1.699	ug/l #	90
20) Methylene Chloride	4.52	84	4226	2.046	ug/l	90
25) 2-Butanone	6.80	43	1019	0.839	ug/l #	49
31) Cyclohexane	7.64	56	3847	Below Cal	#	8
36) 1,1-Dichloropropene	7.65	75	13857	4.912	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17430	6.346	ug/l #	15
43) Isopropyl Acetate	8.14	43	153910	32.913	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	2885	1.344	ug/l #	44
48) Methyl methacrylate	9.16	41	7078	3.319	ug/l #	13
49) 1,4-Dioxane	9.26	88	178	5.936	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	9987	3.767	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	66566	18.506	ug/l #	59
56) Ethyl methacrylate	10.53	69	1333	0.447	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	10897	3.222	ug/l #	42
59) 2-Hexanone	10.75	43	159408	81.887	ug/l #	52
74) N-amyl acetate	12.02	43	8771	1.941	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73079	23.869	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73079	65.890	ug/l #	8
95) Naphthalene	15.13	128	372	Below Cal	#	69

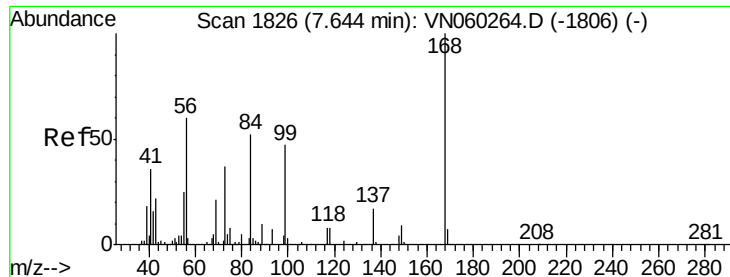
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

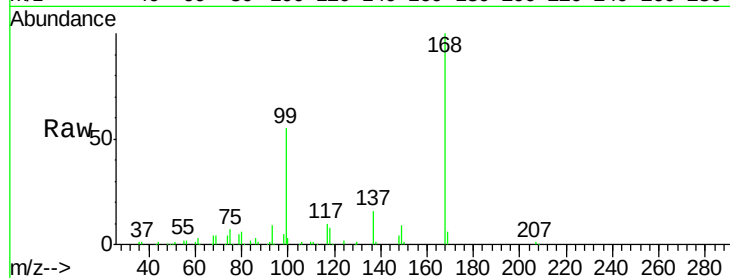
CR-1

Tgt Ion:168 Resp: 181556

Ion Ratio Lower Upper

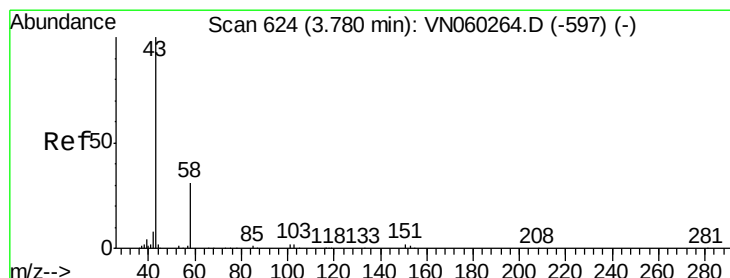
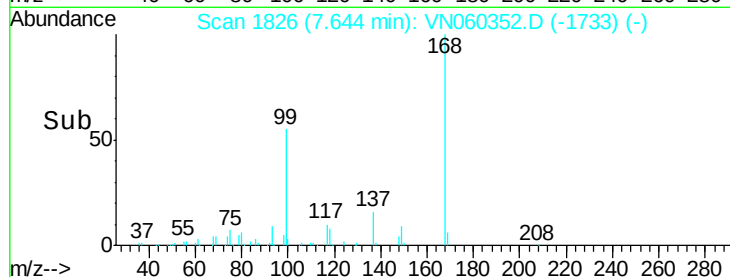
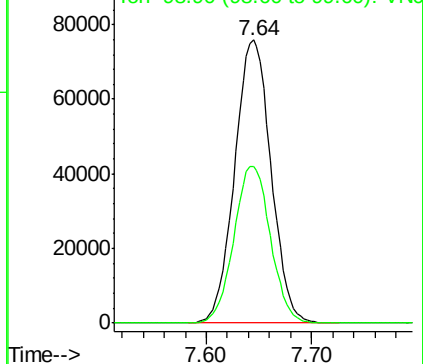
168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 11.649 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060352.D

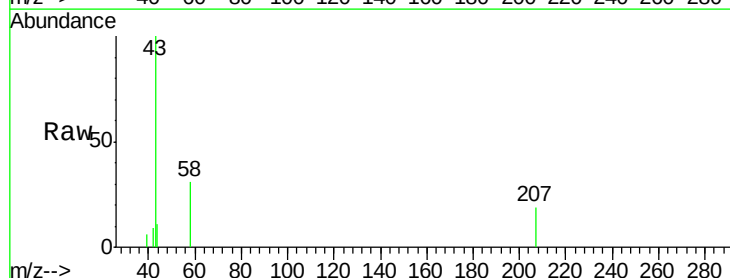
Acq: 4 Mar 2020 16:35

Tgt Ion: 43 Resp: 8763

Ion Ratio Lower Upper

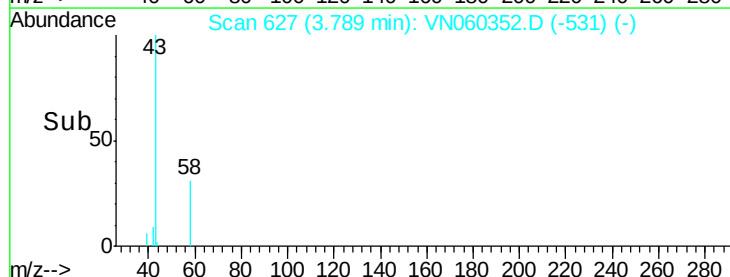
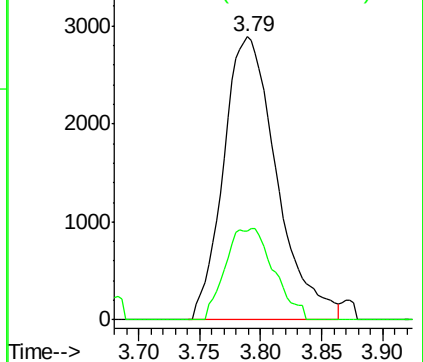
43 100

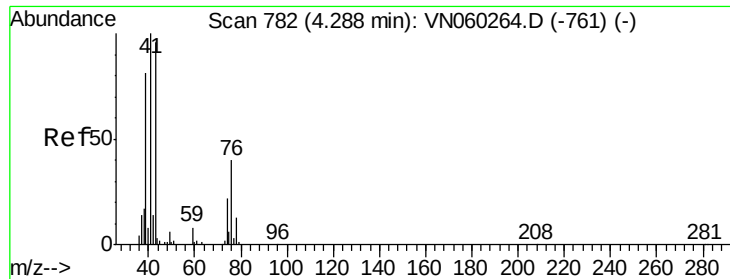
58 31.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

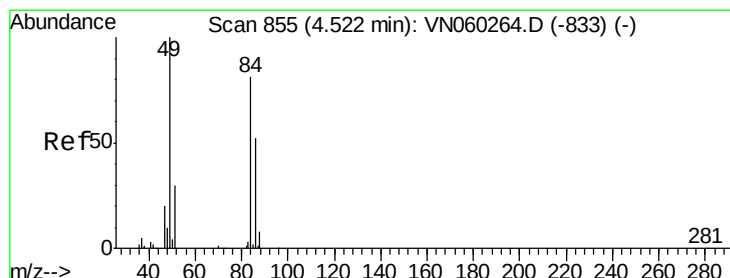
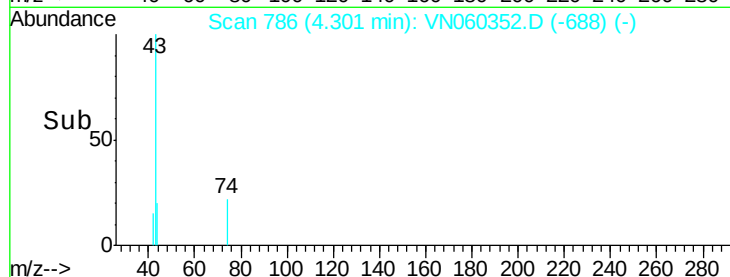
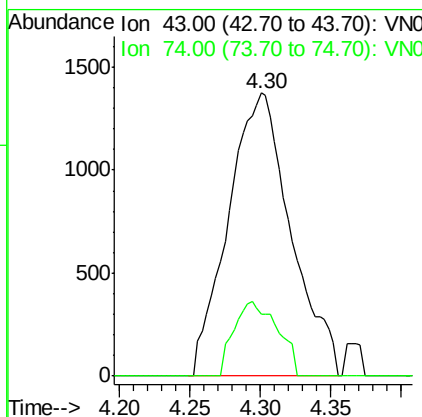
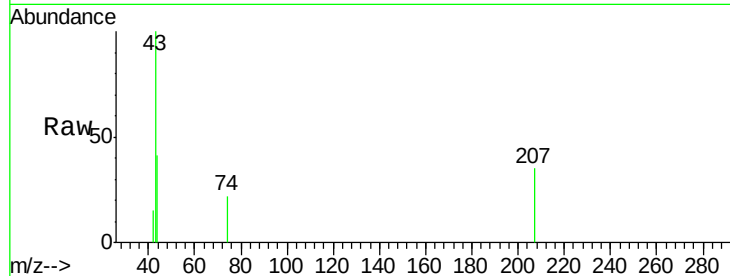




#18
Methyl Acetate
Concen: 1.699 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

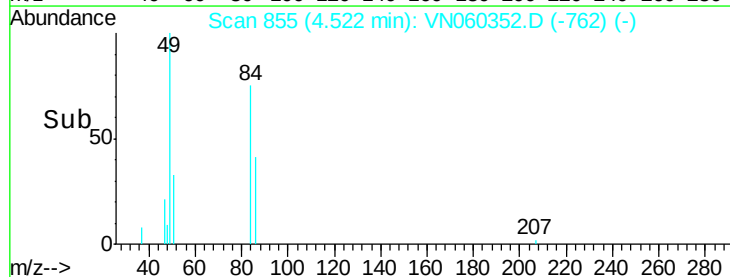
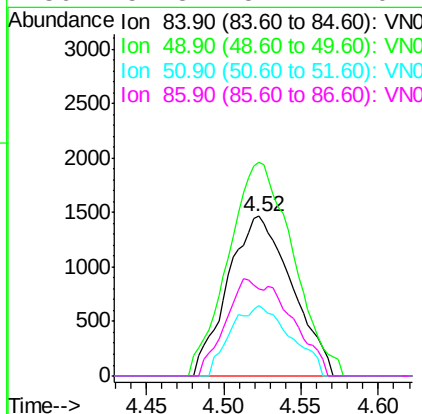
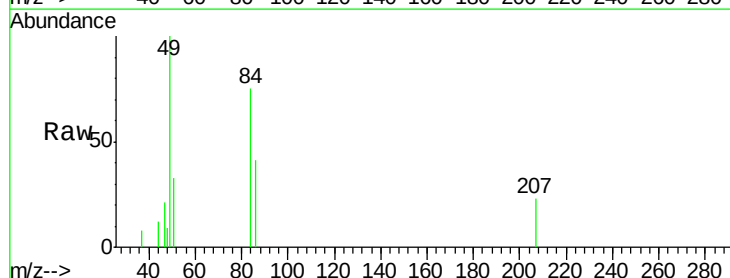
Instrument :
MSVOA_N
ClientSampled :
CR-1

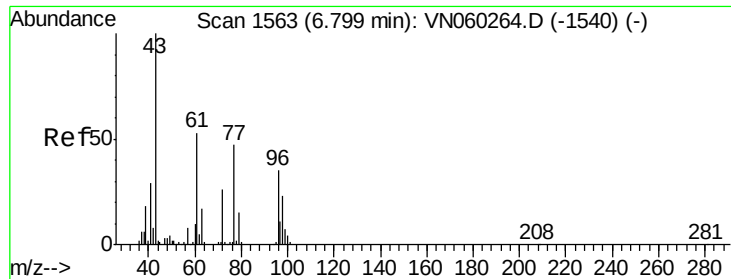
Tgt Ion: 43 Resp: 4266
Ion Ratio Lower Upper
43 100
74 18.5 18.8 28.2#



#20
Methylene Chloride
Concen: 2.046 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

Tgt Ion: 84 Resp: 4226
Ion Ratio Lower Upper
84 100
49 133.7 99.3 148.9
51 43.7 30.1 45.1
86 54.3 51.1 76.7





#25

2-Butanone

Concen: 0.839 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

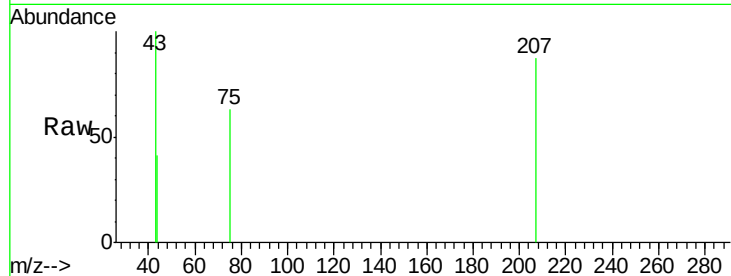
CR-1

Tgt Ion: 43 Resp: 1019

Ion Ratio Lower Upper

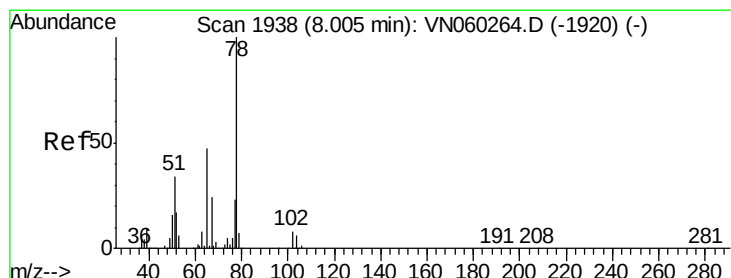
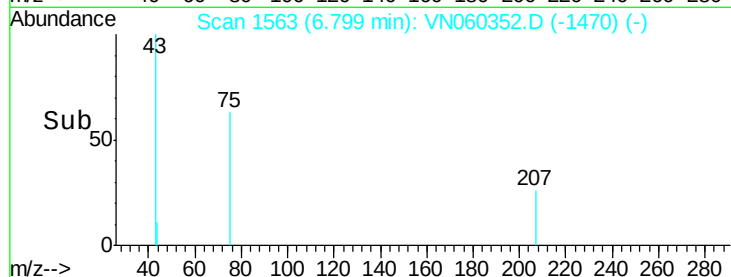
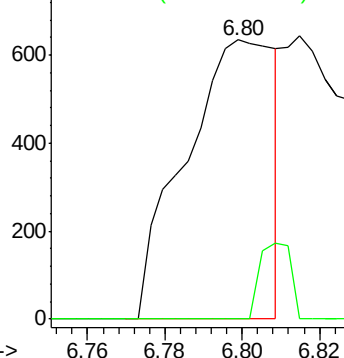
43 100

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: 50.340 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060352.D

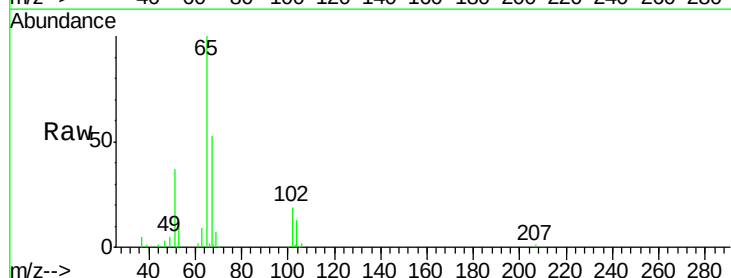
Acq: 4 Mar 2020 16:35

Tgt Ion: 65 Resp: 117261

Ion Ratio Lower Upper

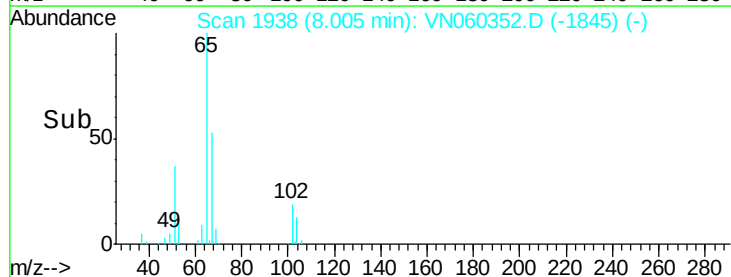
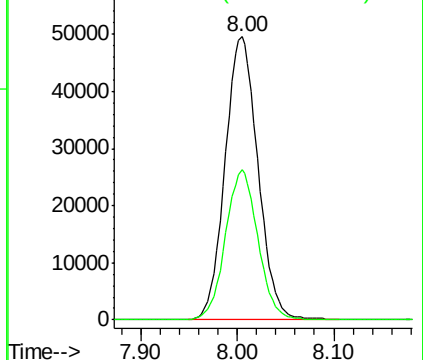
65 100

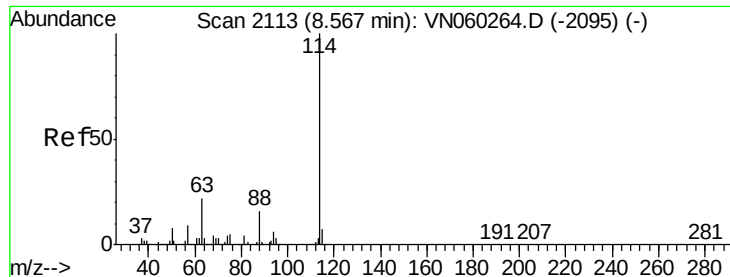
67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

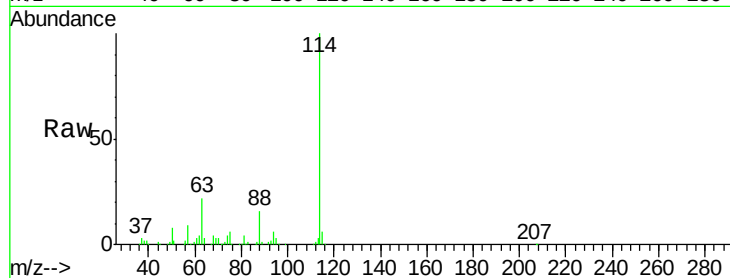




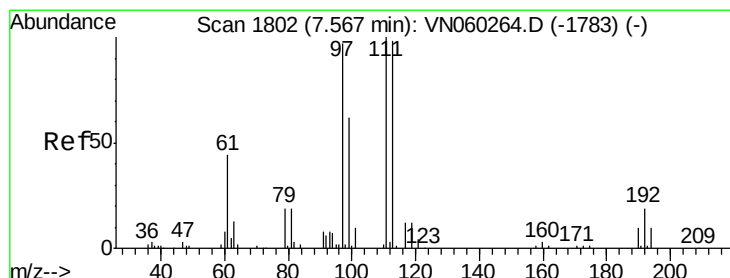
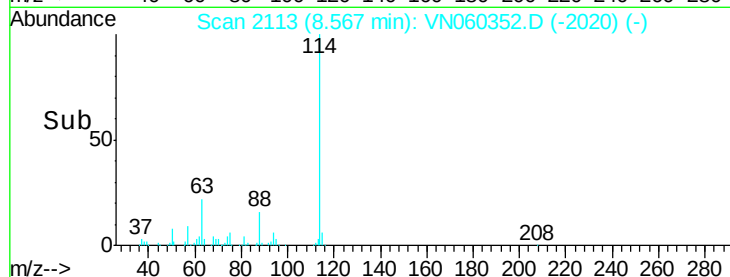
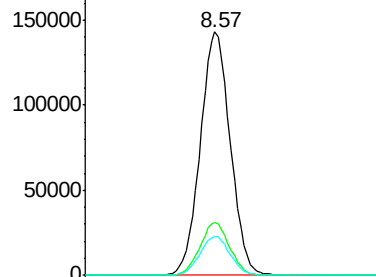
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

Instrument :
MSVOA_N
ClientSampleId :
CR-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.0	0.0	31.6

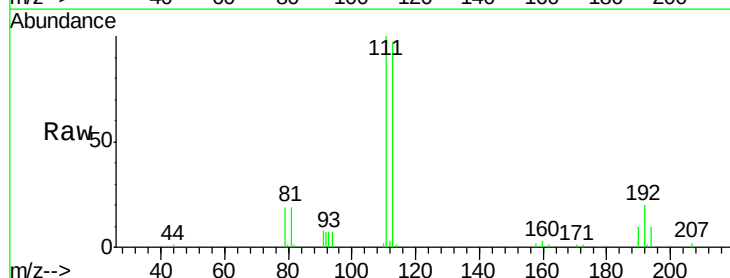


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

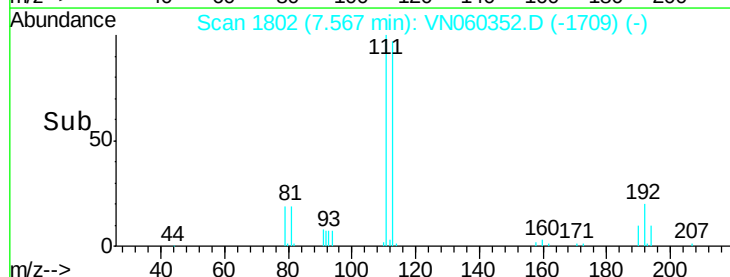
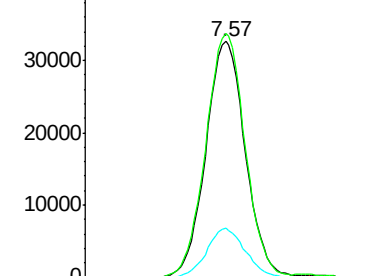


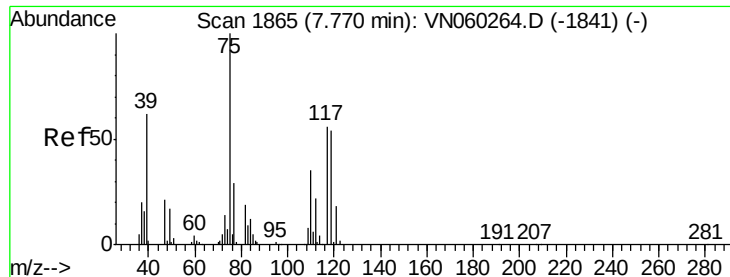
#35
Dibromofluoromethane
Concen: 60.371 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	19.9	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

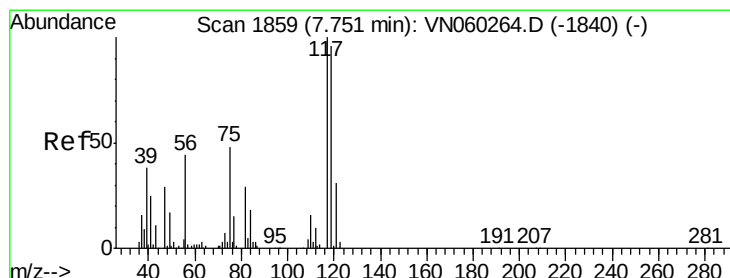
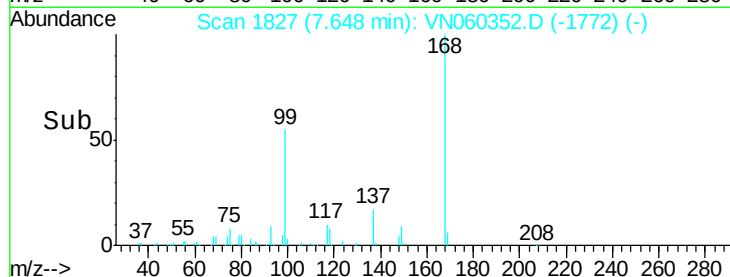
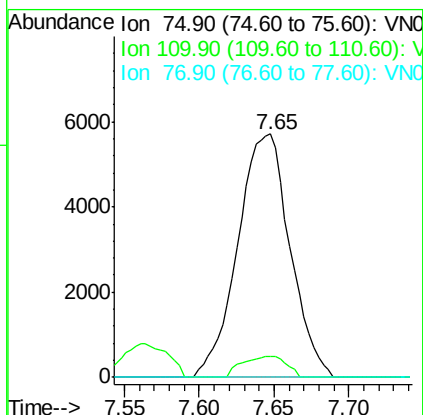
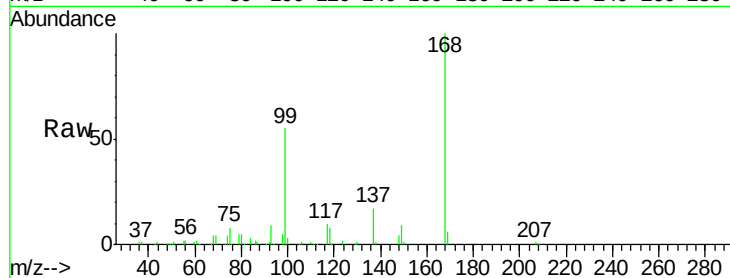




#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN060352.D
 Acq: 4 Mar 2020 16:35

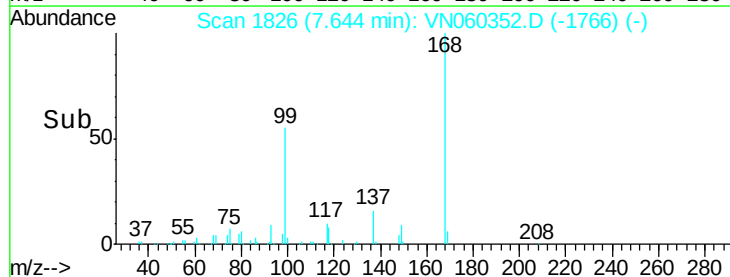
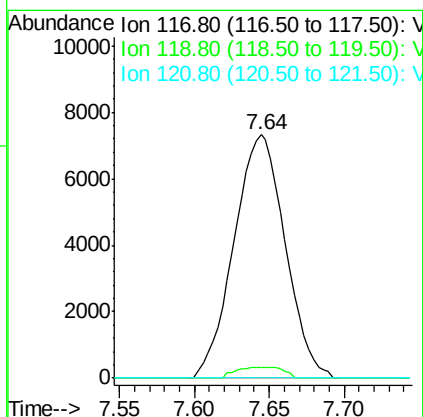
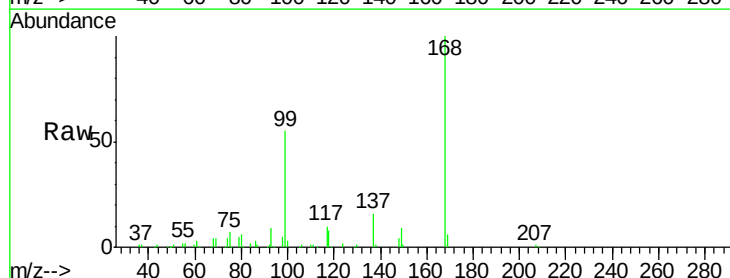
Instrument :
 MSVOA_N
 ClientSampled :
 CR-1

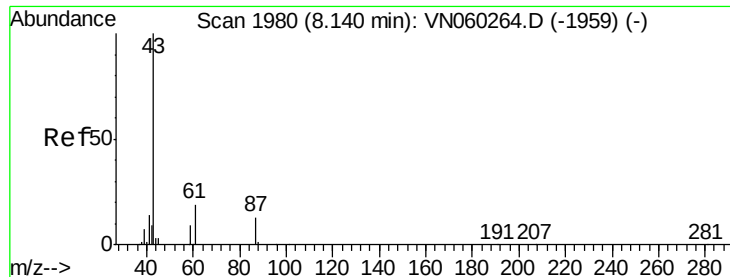
Tgt Ion: 75 Resp: 13857
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 52.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.346 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060352.D
 Acq: 4 Mar 2020 16:35

Tgt Ion: 117 Resp: 17430
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.7 115.1#
 121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 32.913 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

CR-1

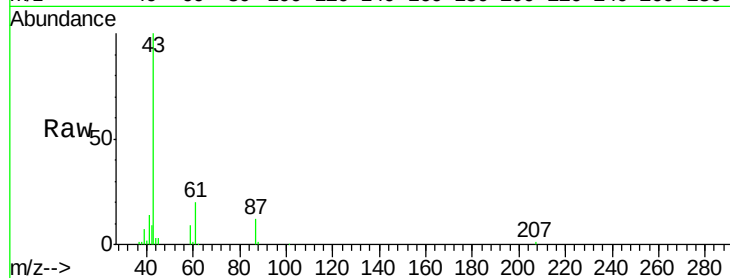
Tgt Ion: 43 Resp: 153910

Ion Ratio Lower Upper

43 100

61 19.7 20.9 31.3#

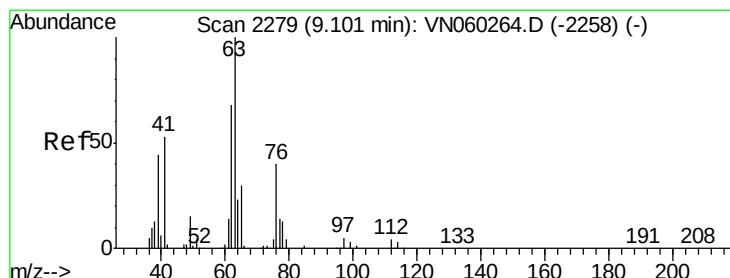
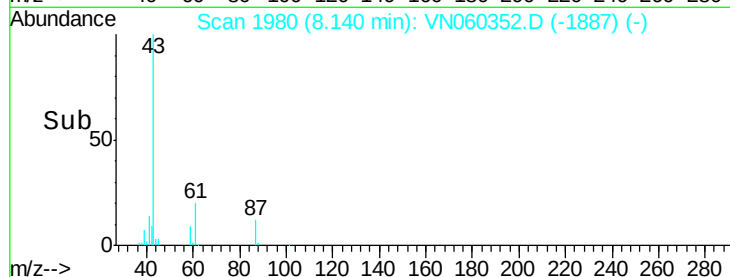
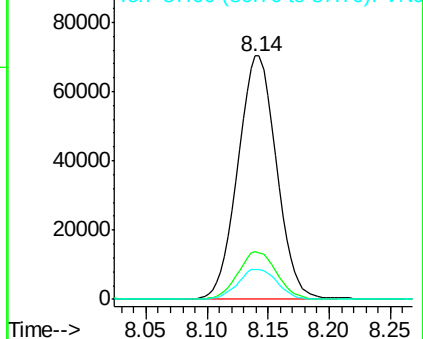
87 12.5 10.6 16.0



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) (-)



#45

1,2-Dichloropropane

Concen: 1.344 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060352.D

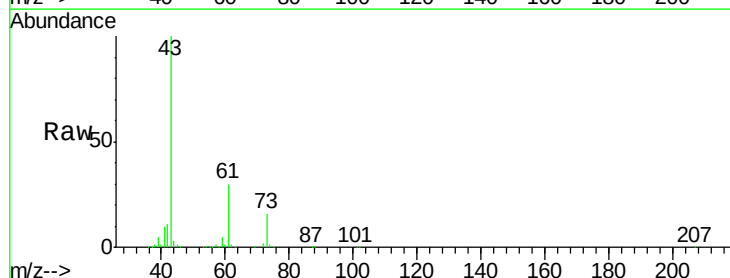
Acq: 4 Mar 2020 16:35

Tgt Ion: 63 Resp: 2885

Ion Ratio Lower Upper

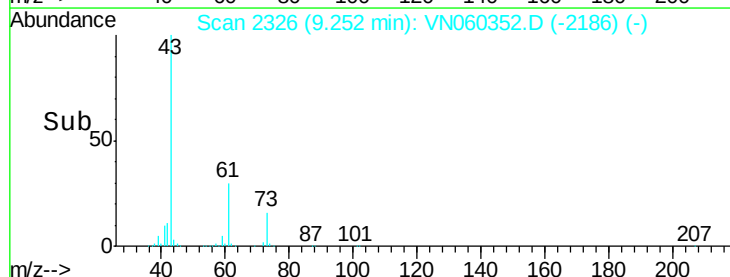
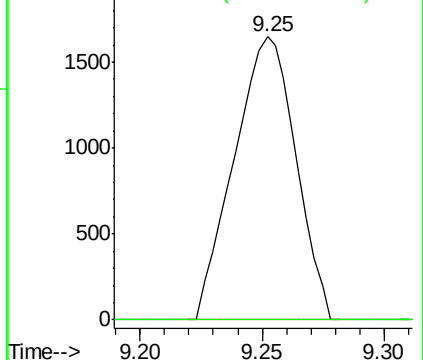
63 100

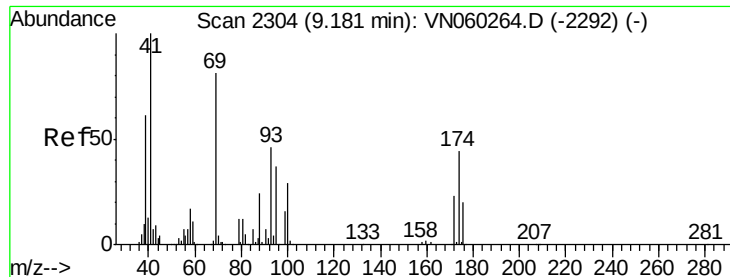
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

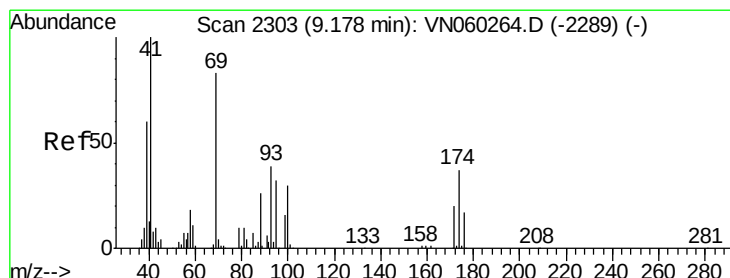
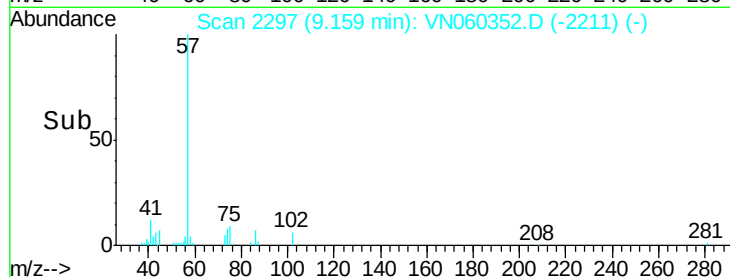
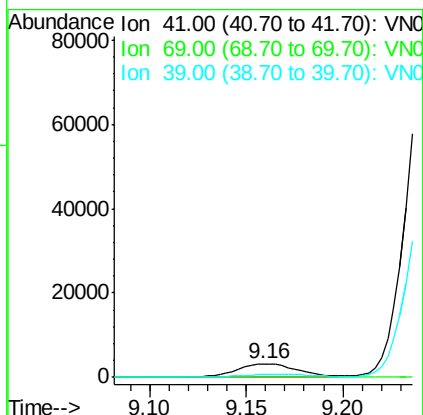
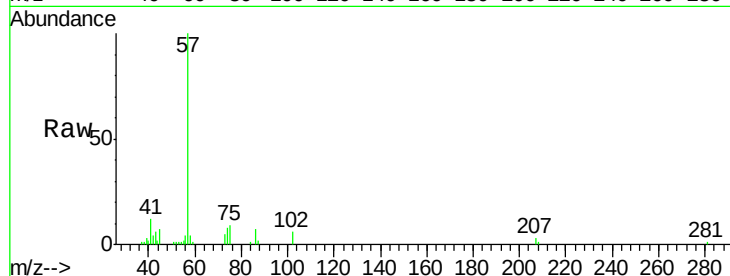




#48
Methyl methacrylate
Concen: 3.319 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

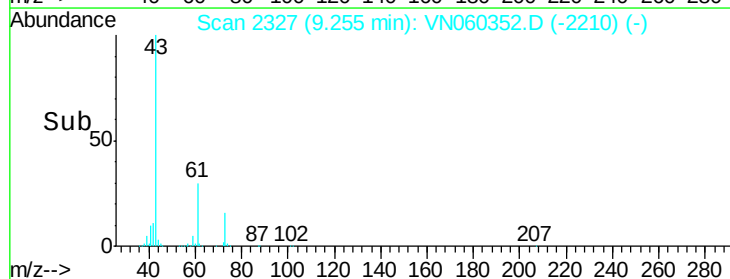
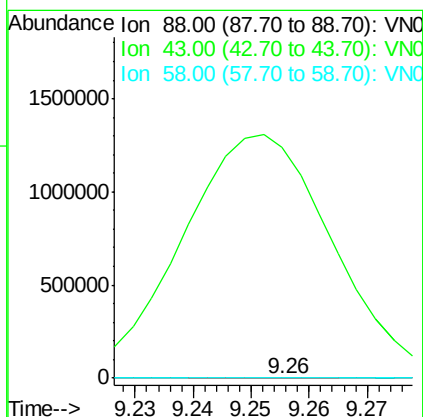
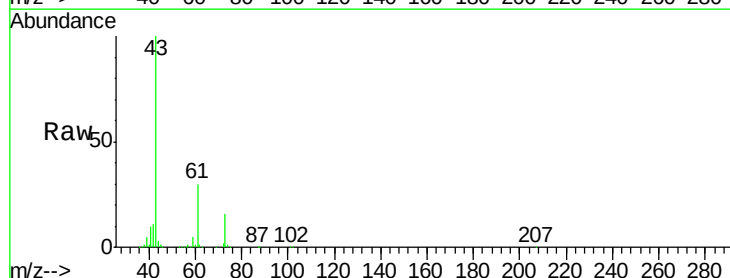
Instrument :
MSVOA_N
ClientSampled :
CR-1

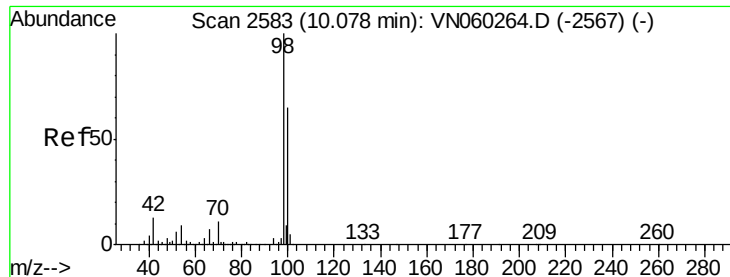
Tgt Ion: 41 Resp: 7078
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#



#49
1,4-Dioxane
Concen: 5.936 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.08 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 1354268.5 30.4 45.6#
58 5084.3 57.0 85.6#





#50

Toluene-d8

Concen: 53.165 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampled :

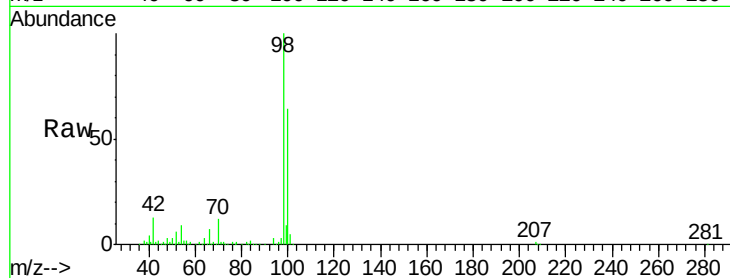
CR-1

Tgt Ion: 98 Resp: 369683

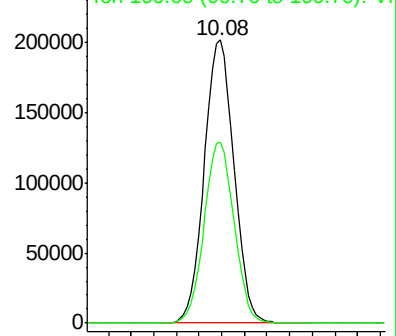
Ion Ratio Lower Upper

98 100

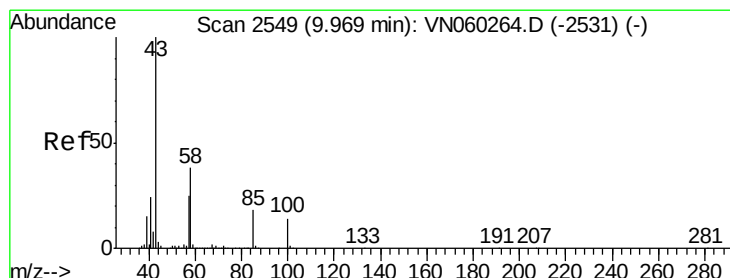
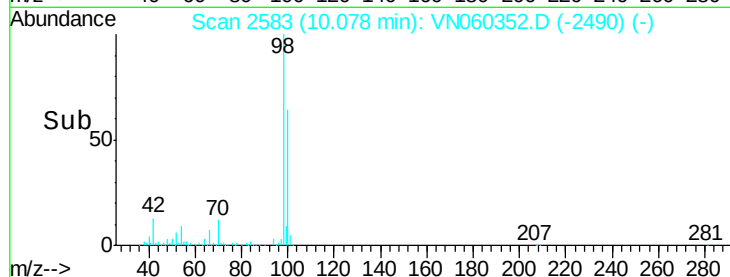
100 64.3 52.2 78.2



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



Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.767 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060352.D

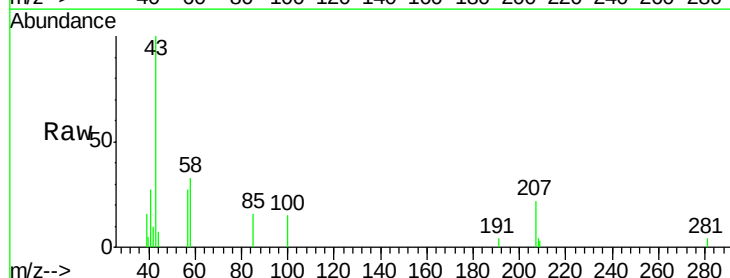
Acq: 4 Mar 2020 16:35

Tgt Ion: 43 Resp: 9987

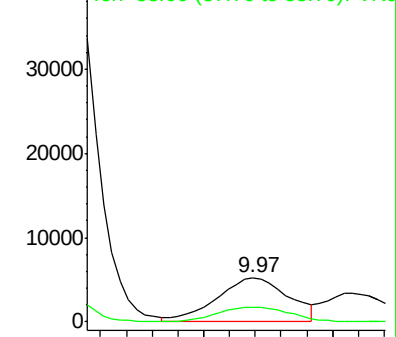
Ion Ratio Lower Upper

43 100

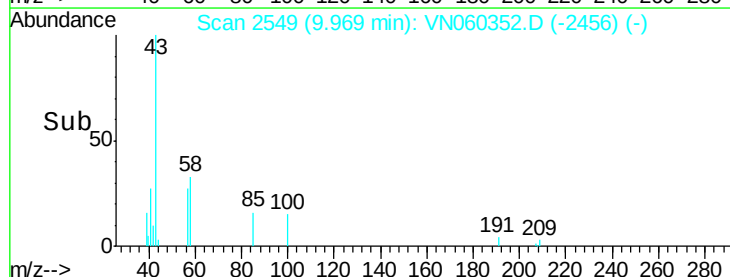
58 34.5 30.9 46.3

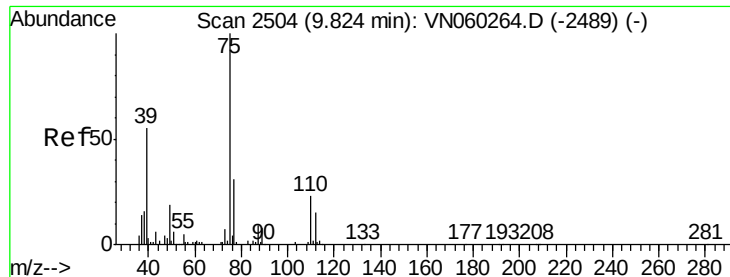


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)



Time-->





#54

cis-1,3-Dichloropropene

Concen: 18.506 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

CR-1

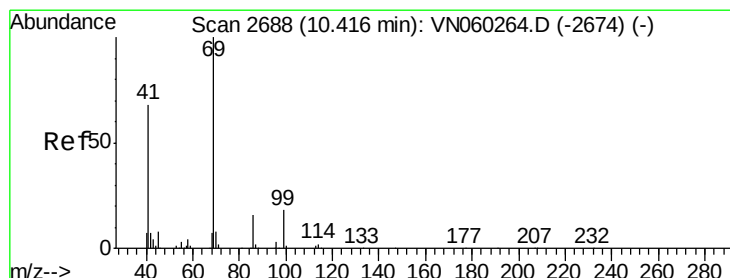
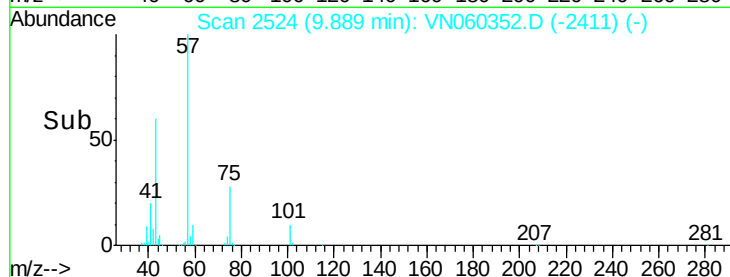
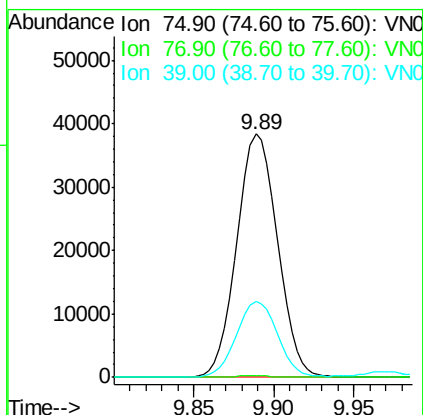
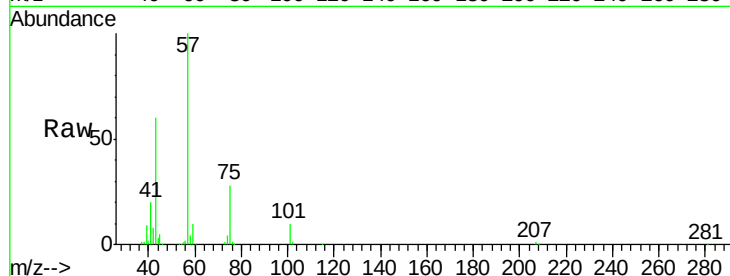
Tgt Ion: 75 Resp: 66566

Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 31.0 43.8 65.8#



#56

Ethyl methacrylate

Concen: 0.447 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

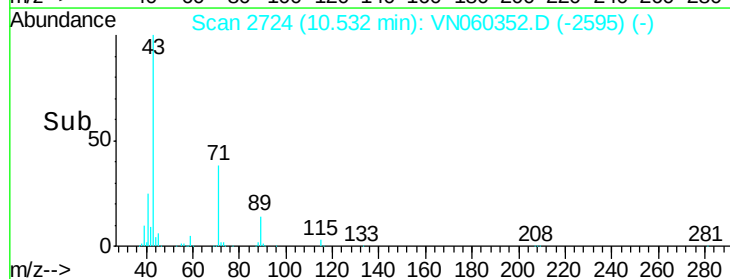
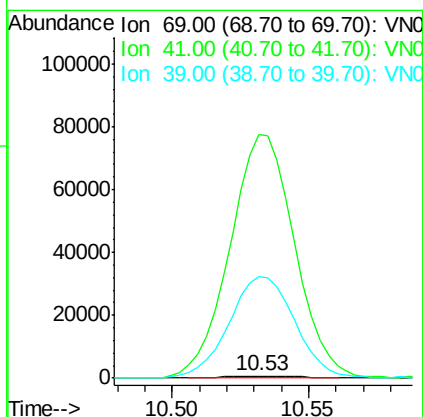
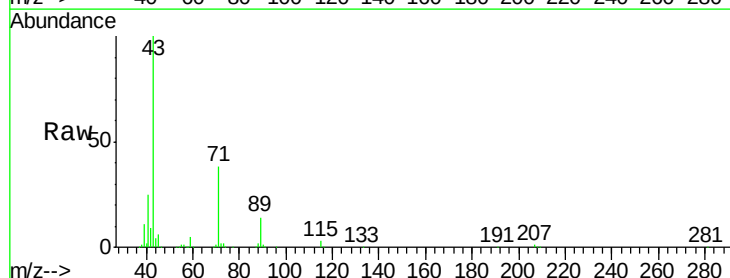
Tgt Ion: 69 Resp: 1333

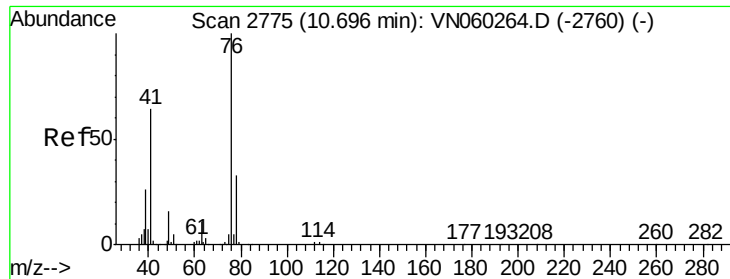
Ion Ratio Lower Upper

69 100

41 9603.2 54.1 81.1#

39 4063.5 32.5 48.7#





#57

1,3-Dichloropropane

Concen: 3.222 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

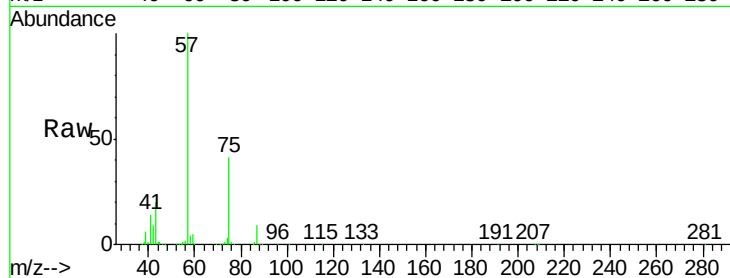
CR-1

Tgt Ion: 76 Resp: 10897

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

8000

6000

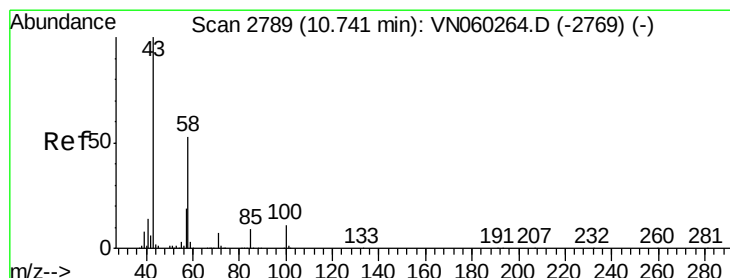
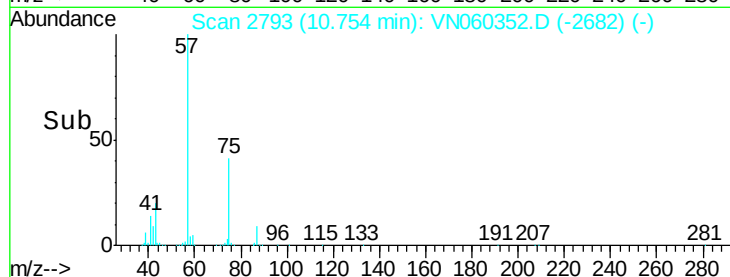
4000

2000

0

10.70 10.75 10.80

Time-->



#59

2-Hexanone

Concen: 81.887 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060352.D

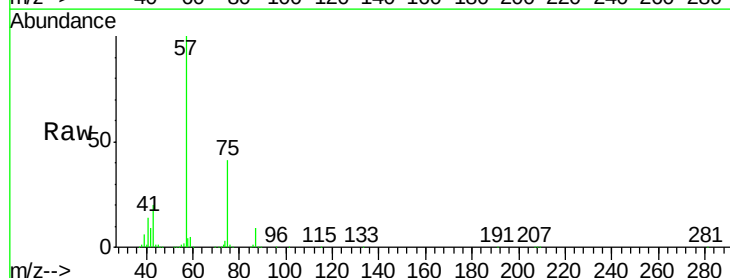
Acq: 4 Mar 2020 16:35

Tgt Ion: 43 Resp: 159408

Ion Ratio Lower Upper

43 100

58 18.8 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

100000

80000

60000

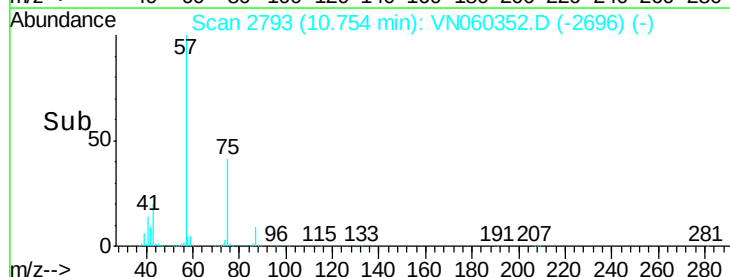
40000

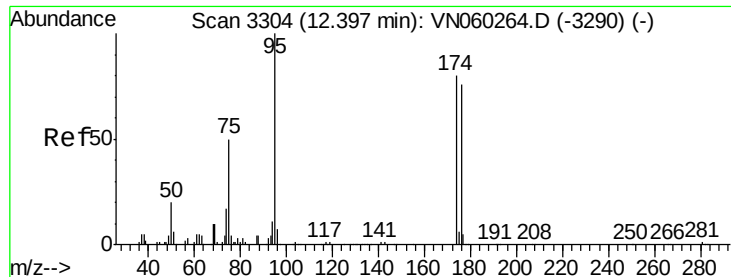
20000

0

10.70 10.75 10.80

Time-->

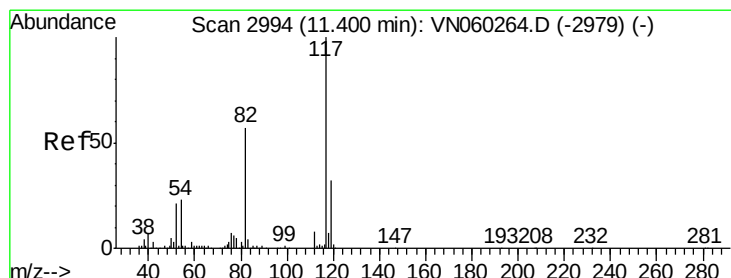
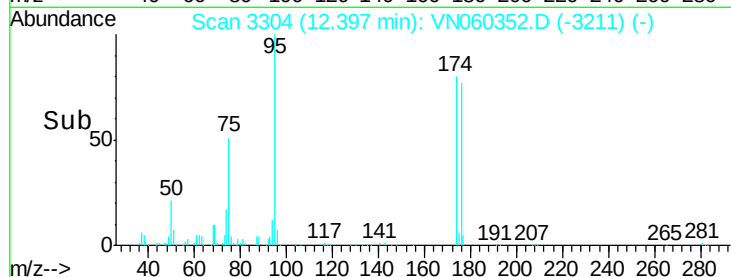
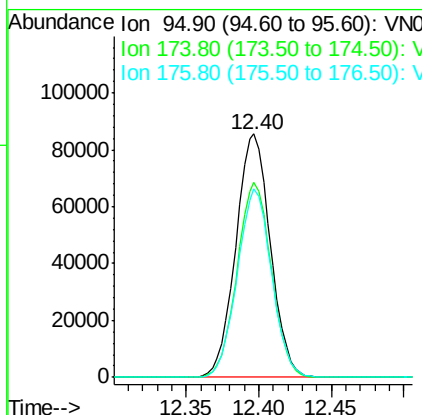
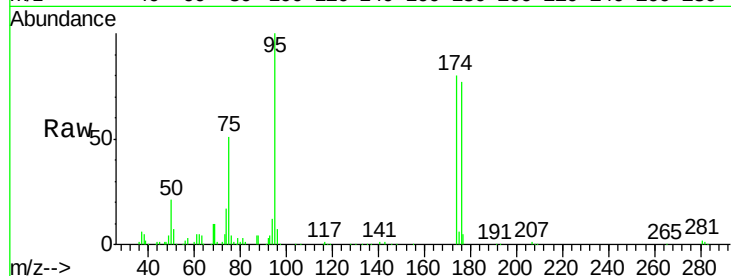




#62
4-Bromofluorobenzene
Concen: 53.693 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

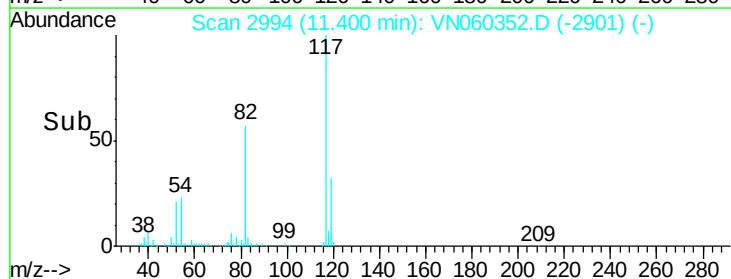
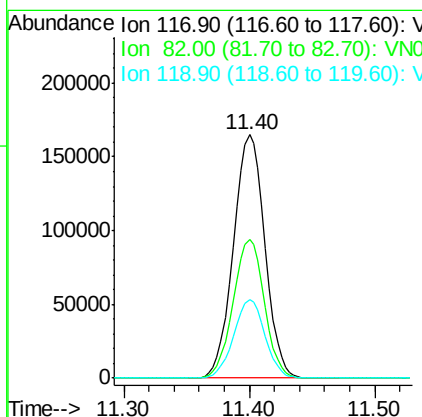
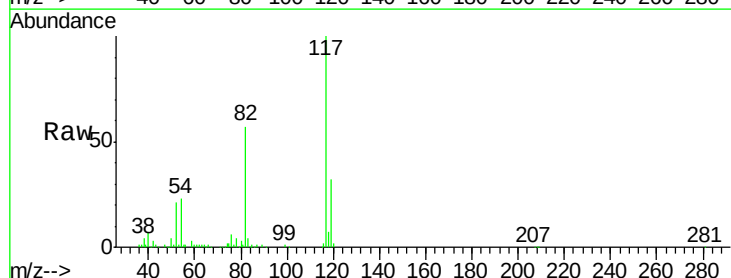
Instrument :
MSVOA_N
ClientSampled :
CR-1

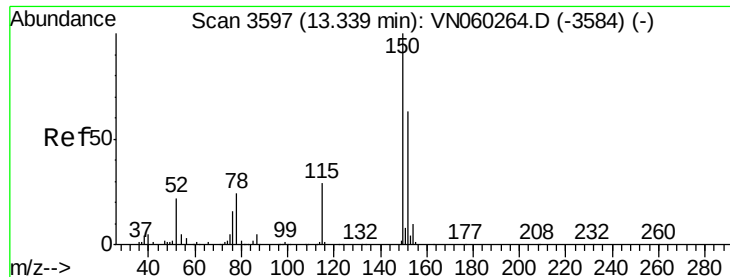
Tgt Ion: 95 Resp: 141529
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.2
176 77.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060352.D
Acq: 4 Mar 2020 16:35

Tgt Ion: 117 Resp: 287411
Ion Ratio Lower Upper
117 100
82 57.1 45.8 68.6
119 32.0 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: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

CR-1

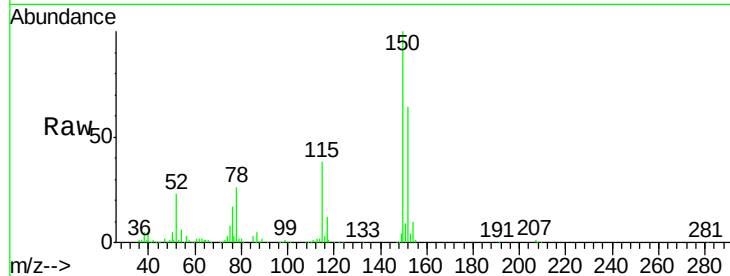
Tgt Ion:152 Resp: 139546

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

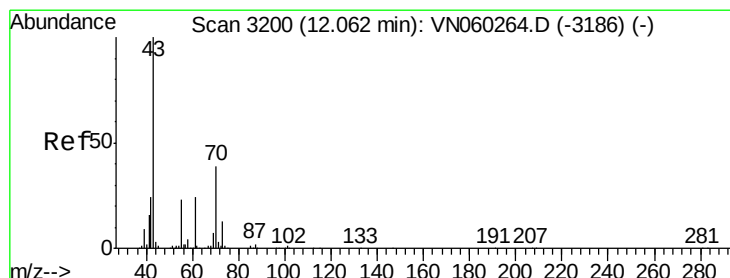
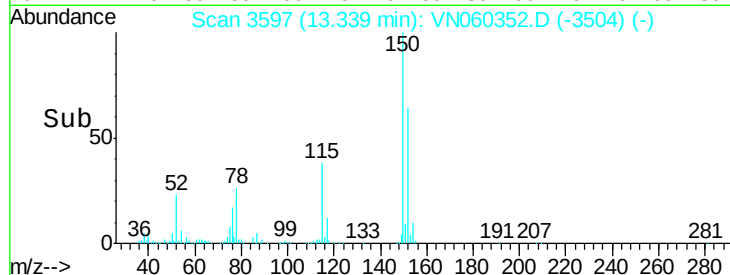
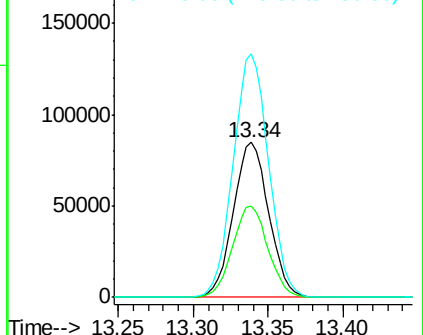
150 157.5 0.0 349.6



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-ethyl acetate

Concen: 1.941 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Tgt Ion: 43 Resp: 8771

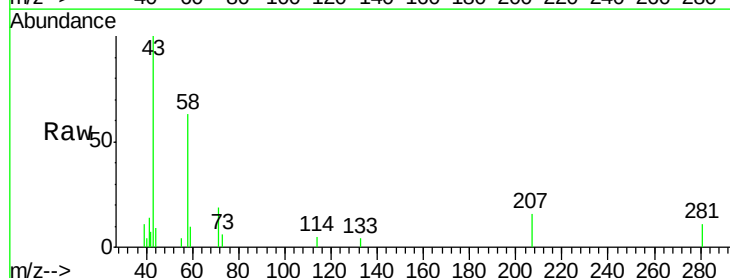
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 2.1 18.2 27.4#

61 0.0 19.2 28.8#

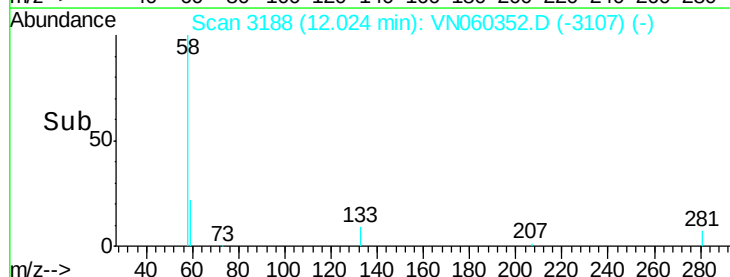
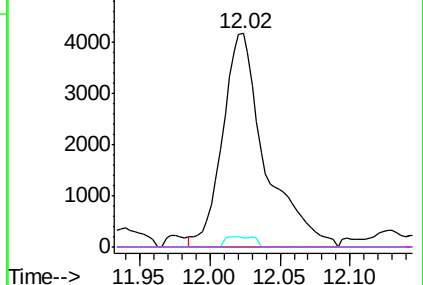


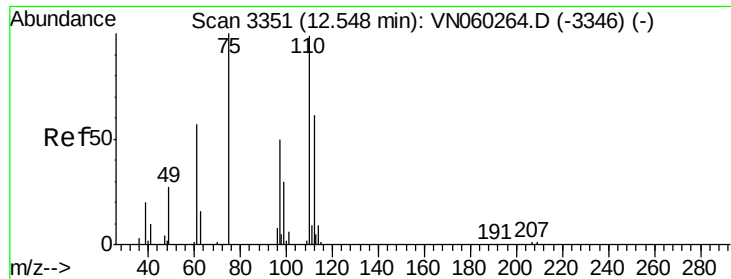
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 23.869 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

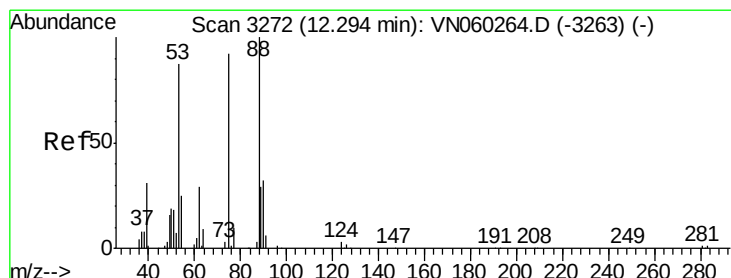
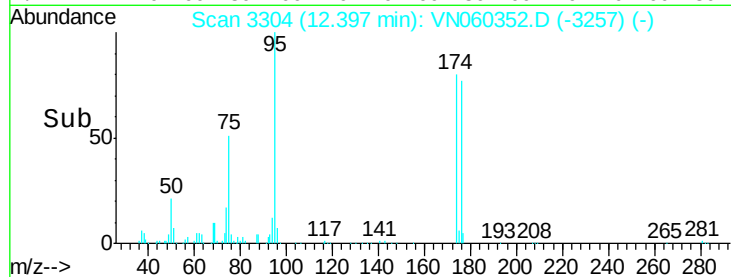
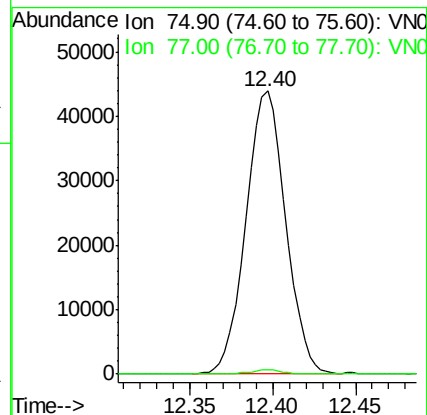
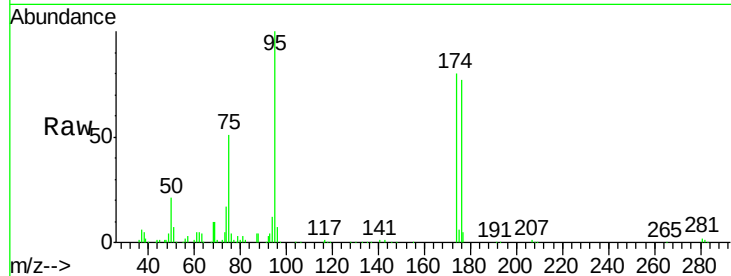
CR-1

Tgt Ion: 75 Resp: 73079

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.890 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060352.D

Acq: 4 Mar 2020 16:35

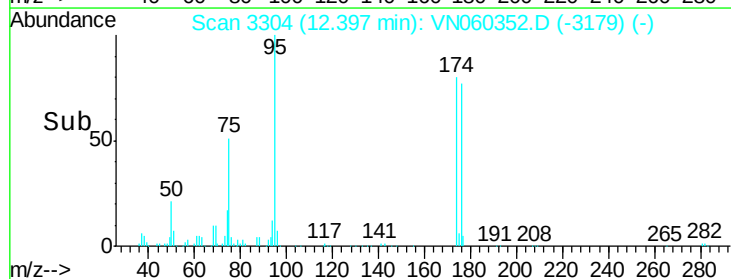
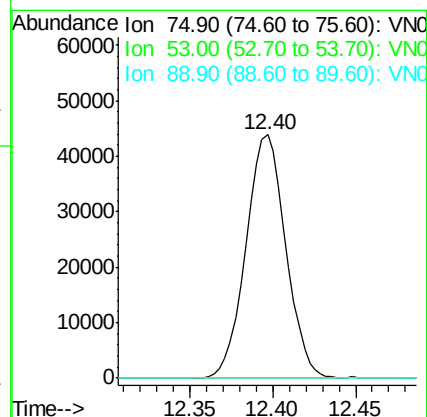
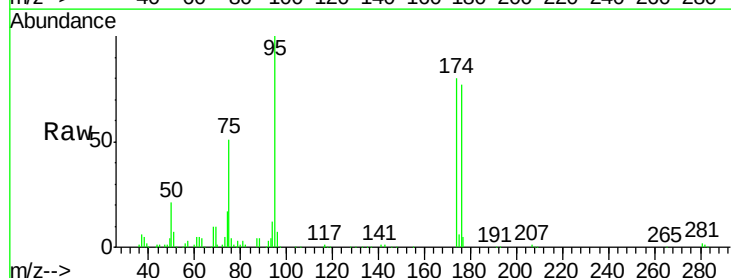
Tgt Ion: 75 Resp: 73079

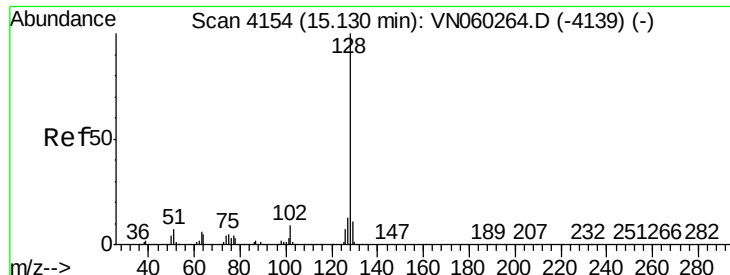
Ion Ratio Lower Upper

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# 4154

Delta R.T. 0.00 min

Lab File: VN060352.D

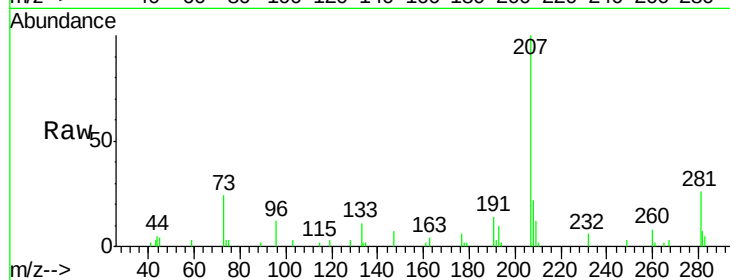
Acq: 4 Mar 2020 16:35

Instrument :

MSVOA_N

ClientSampleId :

CR-1



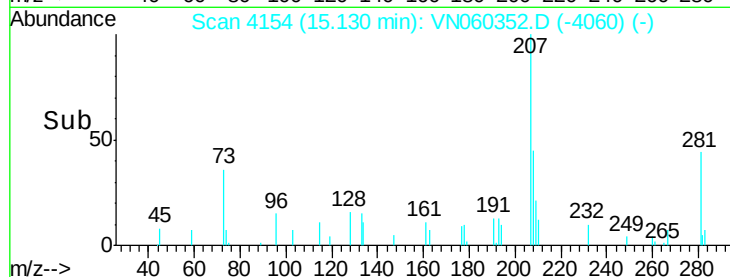
Tgt Ion:128 Resp: 372

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

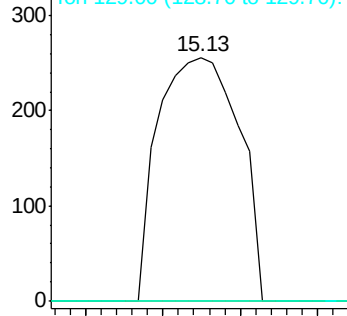
129 0.0 8.6 13.0#



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



Time-->