

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062355.D
 Acq On : 3 Jul 2020 00:08
 Operator : JC/MD
 Sample : L3197-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

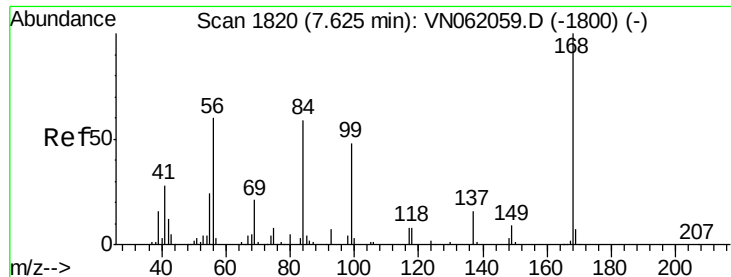
Quant Time: Jul 03 00:38:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	122717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	261638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	106102	61.61	ug/l	0.00
Spiked Amount			Recovery	=	123.22%	
35) Dibromofluoromethane	7.55	113	82552	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.06	98	344227	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.38	95	110857	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	101	Below Cal	#	41
8) Diethyl Ether	3.37	74	470	0.500	ug/l #	53
16) Acetone	3.78	43	9927	14.549	ug/l	97
18) Methyl Acetate	4.28	43	4022	2.938	ug/l #	83
20) Methylene Chloride	4.51	84	11961	7.381	ug/l	94
25) 2-Butanone	6.80	43	1619	1.923	ug/l #	89
31) Cyclohexane	7.63	56	3219	1.353	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	11185	4.256	ug/l #	47
37) Ethyl Acetate	6.80	43	1619	0.744	ug/l #	66
38) Carbon Tetrachloride	7.63	117	13258	5.351	ug/l #	15
43) Isopropyl Acetate	8.12	43	41540	11.709	ug/l	97
45) 1,2-Dichloropropane	9.23	63	980	0.496	ug/l #	43
48) Methyl methacrylate	9.15	41	2414	1.518	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	5017	2.420	ug/l	91
54) cis-1,3-Dichloropropene	9.87	75	19054	6.013	ug/l #	71
56) Ethyl methacrylate	10.52	69	1041	0.406	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3524	1.066	ug/l #	42
59) 2-Hexanone	10.74	43	48435	32.360	ug/l #	47
71) Bromoform	12.37	173	941	0.666	ug/l #	1
74) N-amyl acetate	12.01	43	1709	3.947	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	58294	26.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58294	77.978	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

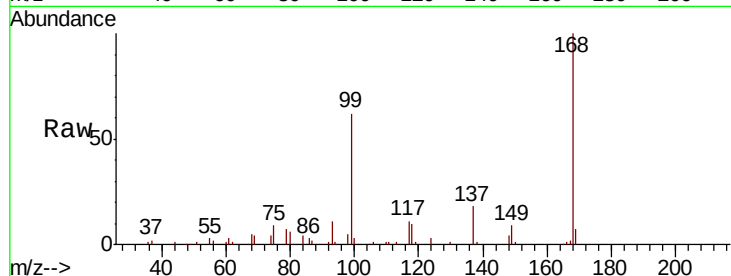
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 122717

Ion Ratio Lower Upper

168 100

99 62.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

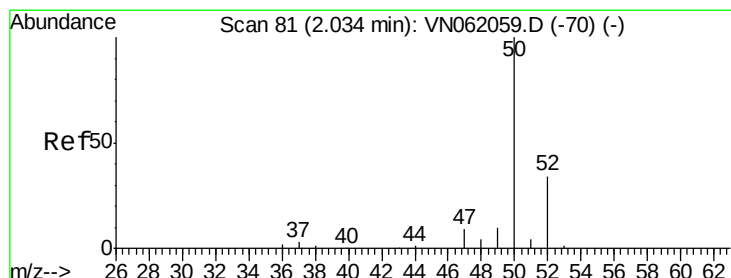
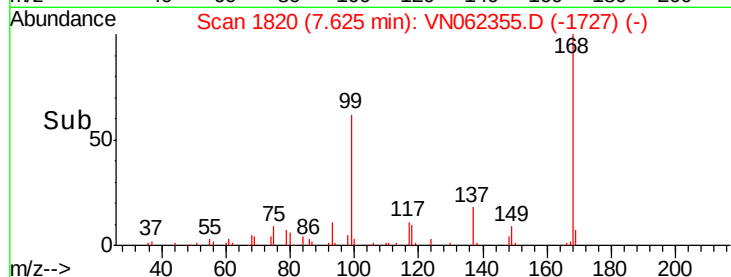
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062355.D

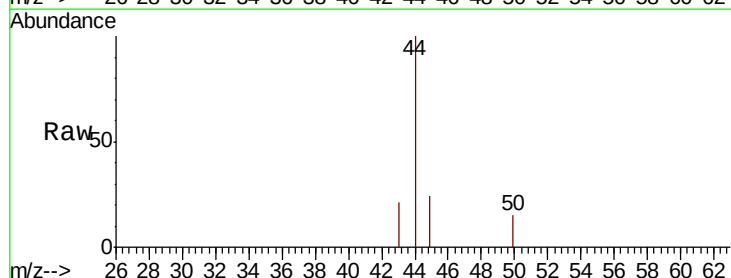
Acq: 3 Jul 2020 00:08

Tgt Ion: 50 Resp: 101

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

200

150

100

50

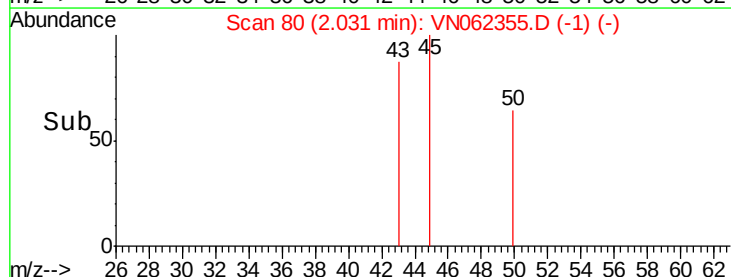
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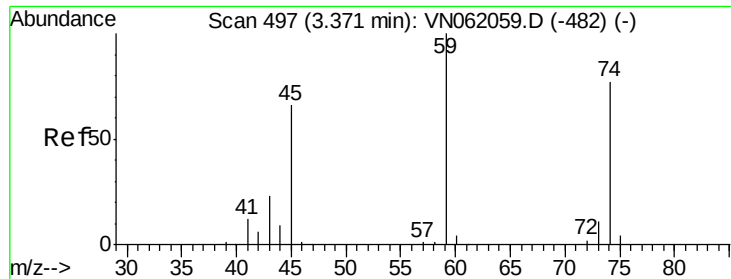
2.02

2.03

2.04

Time-->





#8

Diethyl Ether

Concen: 0.500 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Instrument :

MSVOA_N

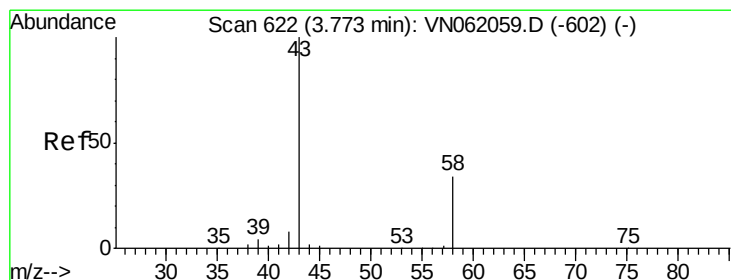
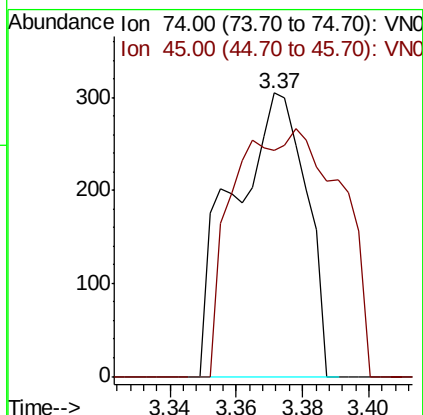
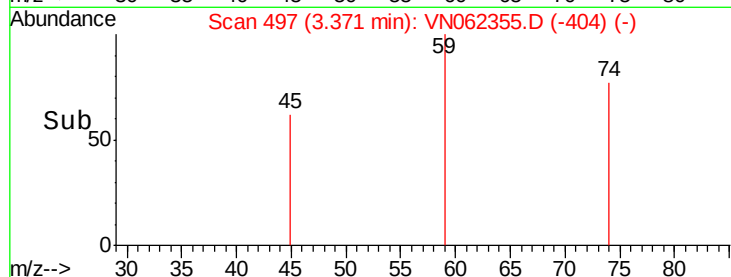
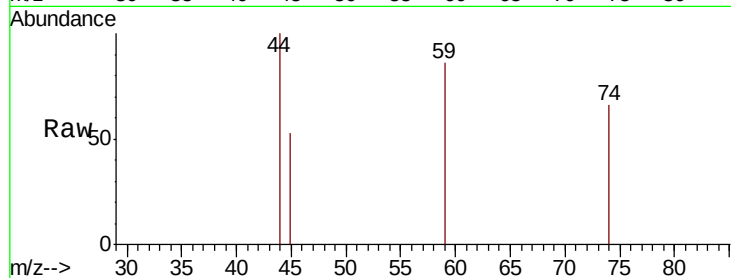
ClientSampled :

Tot Ion: 74 Resp: 470

Ion Ratio Lower Upper

74 100

45 127.7 42.5 127.5#



#16

Acetone

Concen: 14.549 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062355.D

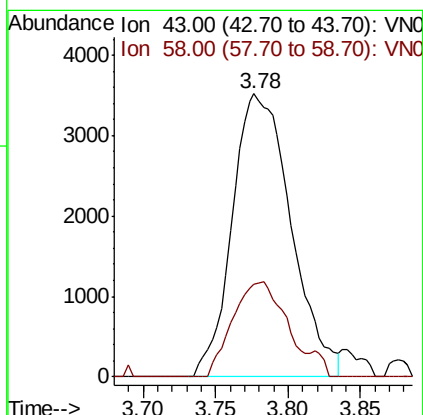
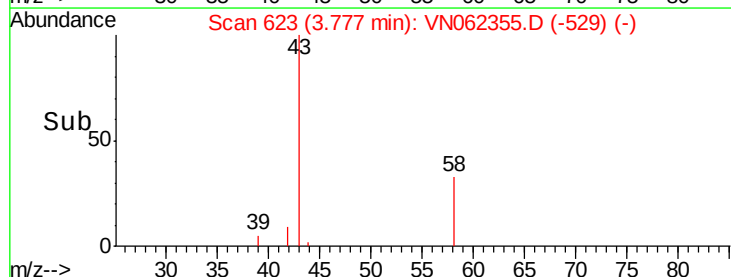
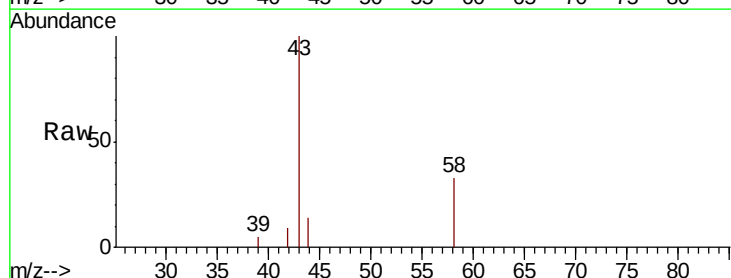
Acq: 3 Jul 2020 00:08

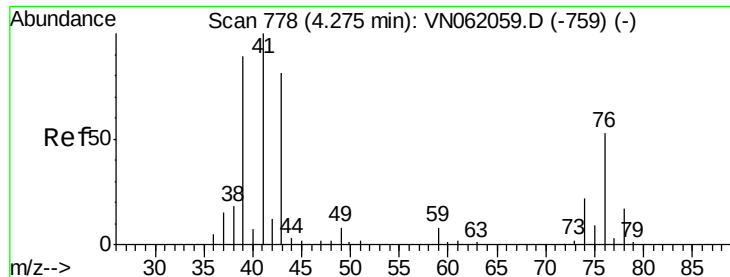
Tgt Ion: 43 Resp: 9927

Ion Ratio Lower Upper

43 100

58 32.5 27.5 41.3

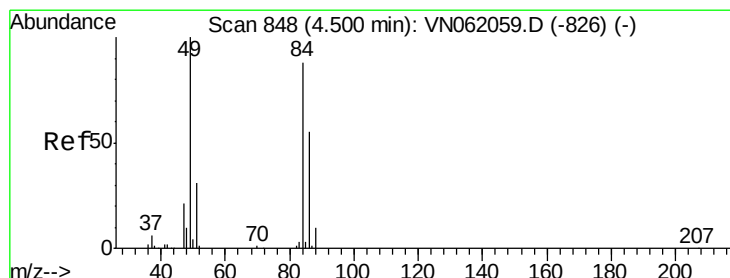
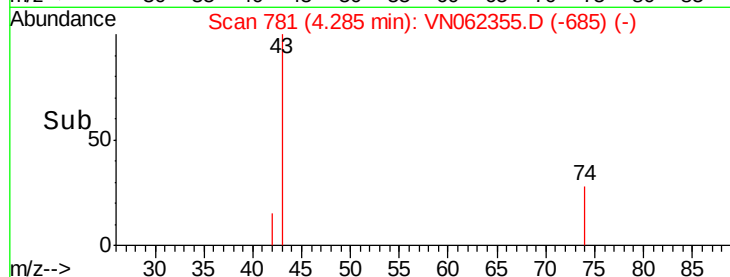
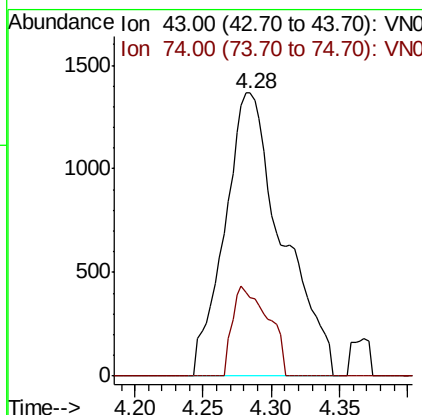
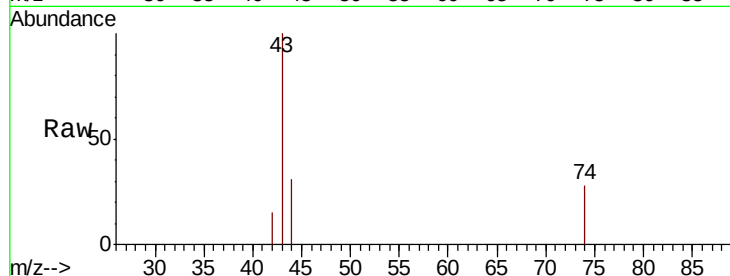




#18
Methyl Acetate
Concen: 2.938 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

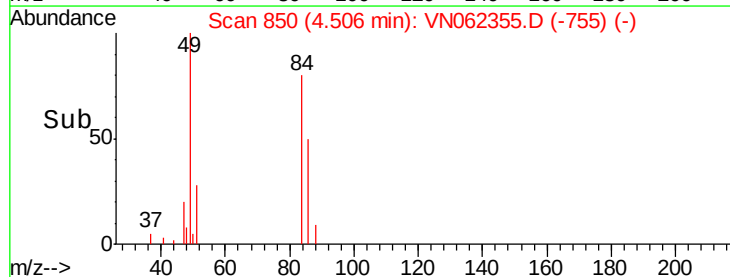
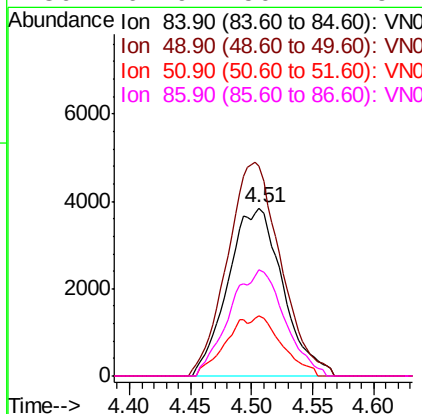
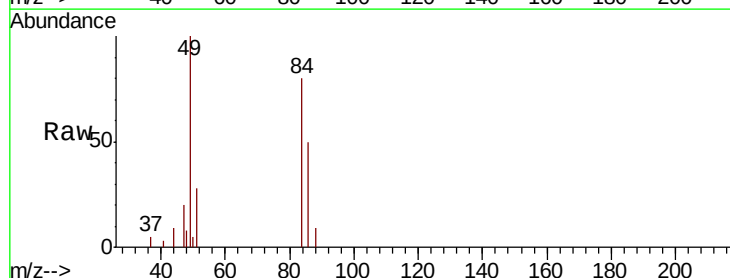
Instrument :
MSVOA_N
ClientSampled :

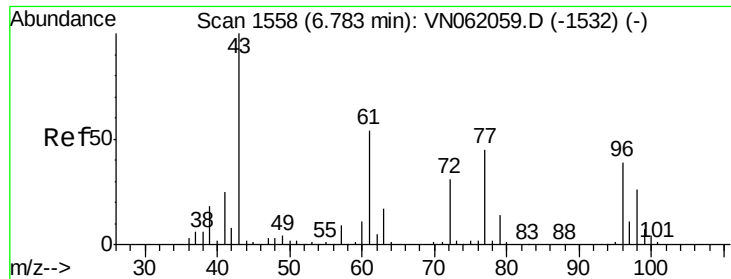
Tot Ion: 43 Resp: 4022
Ion Ratio Lower Upper
43 100
74 19.5 22.9 34.3#



#20
Methylene Chloride
Concen: 7.381 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion: 84 Resp: 11961
Ion Ratio Lower Upper
84 100
49 125.3 90.6 136.0
51 35.5 27.8 41.8
86 62.9 50.1 75.1

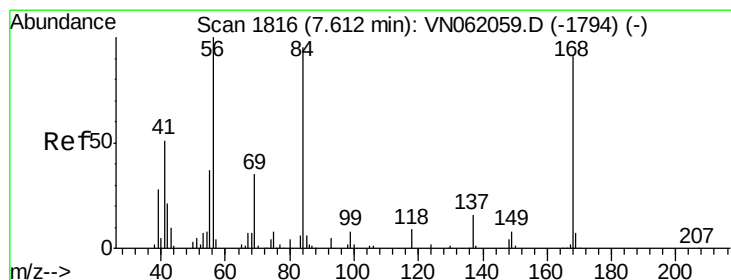
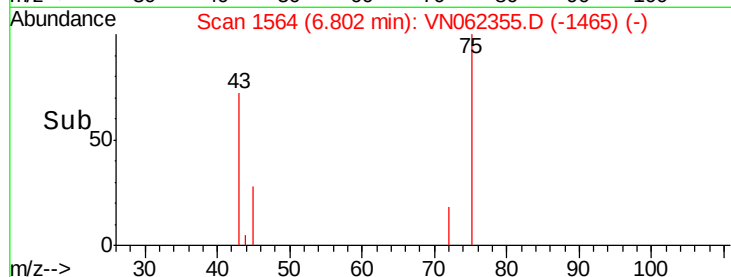
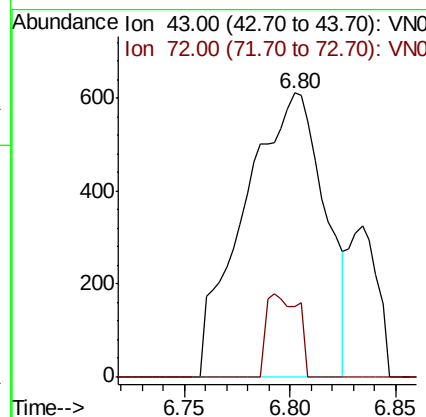
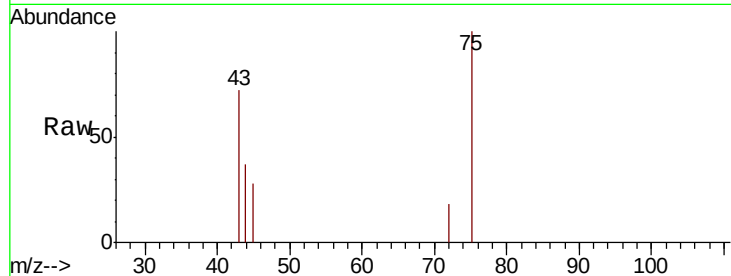




#25
2-Butanone
Concen: 1.923 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

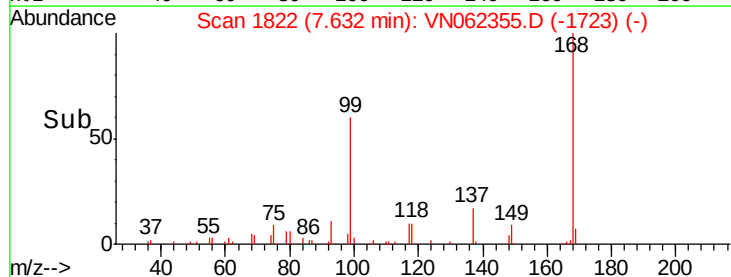
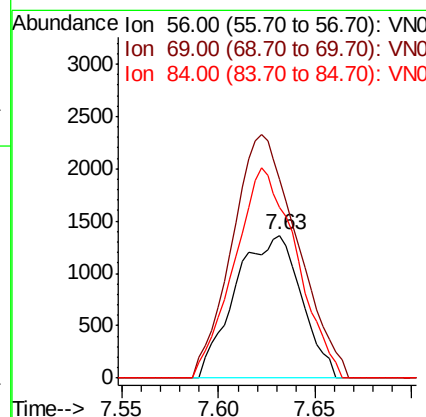
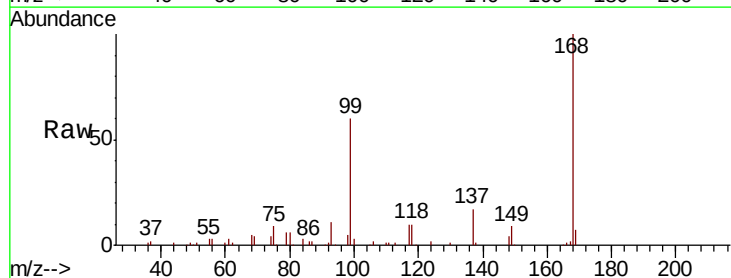
Instrument :
MSVOA_N
ClientSampleId :

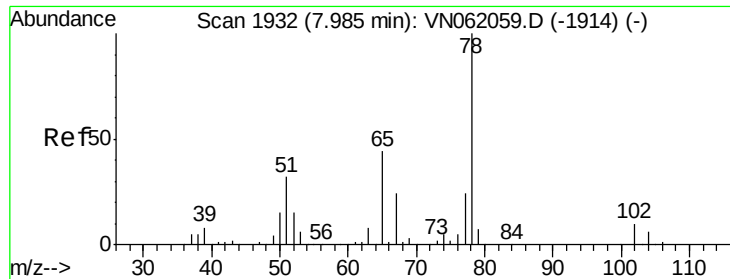
Tot Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
72 24.7 24.8 37.2#



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion: 56 Resp: 3219
Ion Ratio Lower Upper
56 100
69 139.7 28.0 42.0#
84 119.8 76.1 114.1#

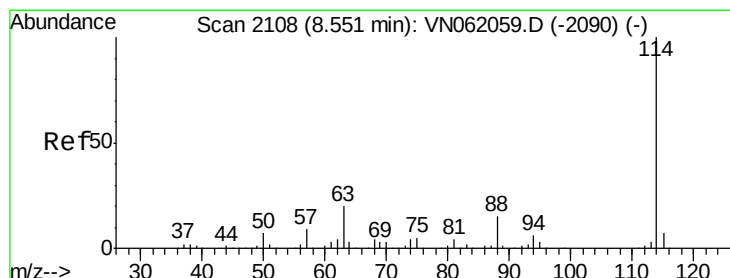
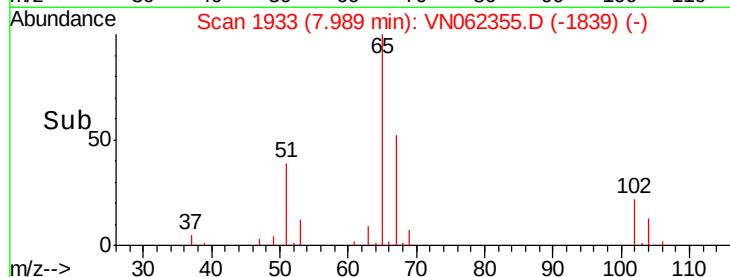
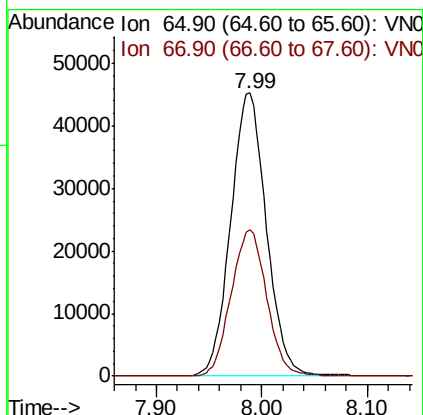
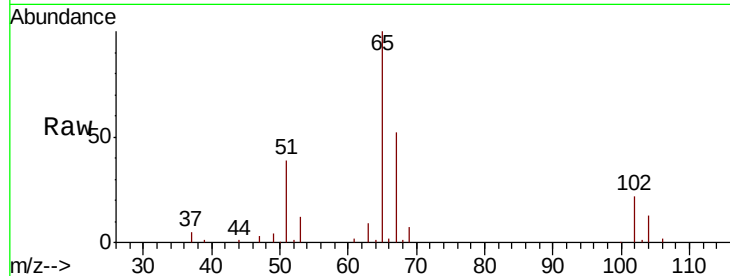




#33
 1,2-Dichloroethane-d4
 Concen: 61.611 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

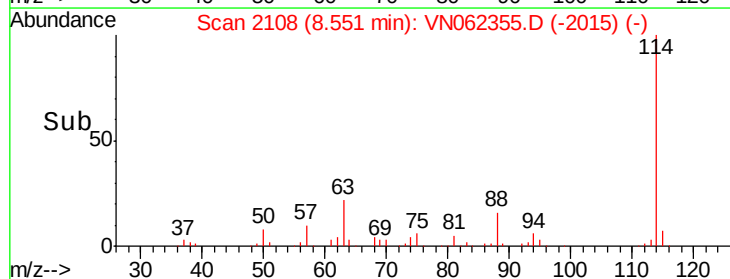
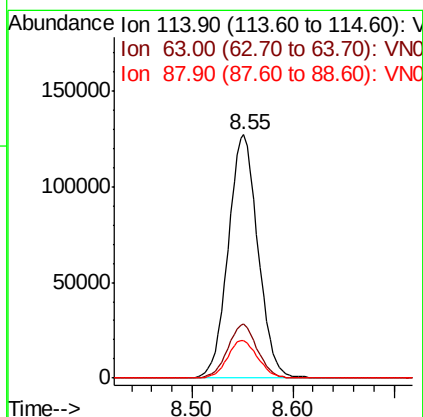
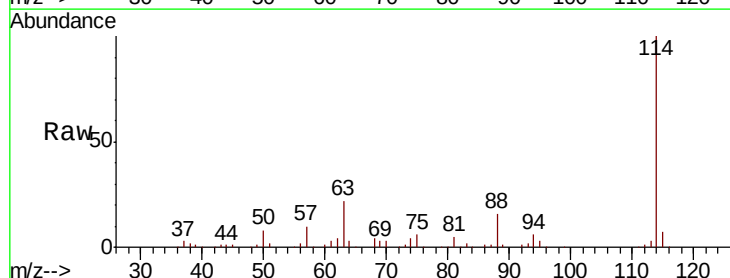
Instrument :
 MSVOA_N
 ClientSampled :

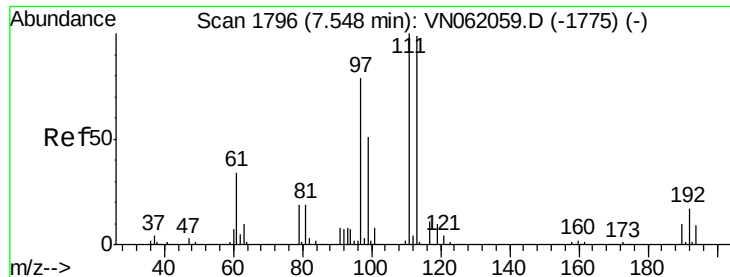
Tot Ion: 65 Resp: 106102
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

Tgt Ion: 114 Resp: 261475
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 39.2
 88 15.6 0.0 30.8

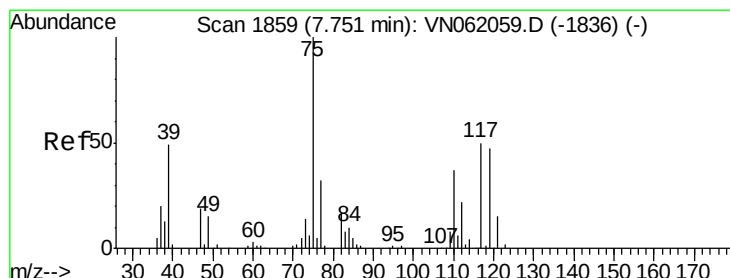
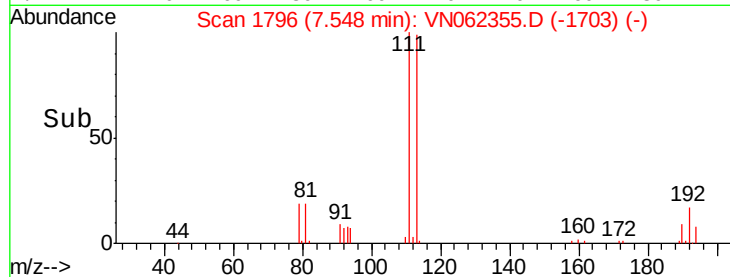
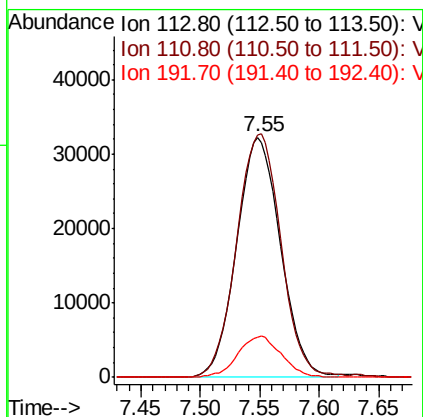
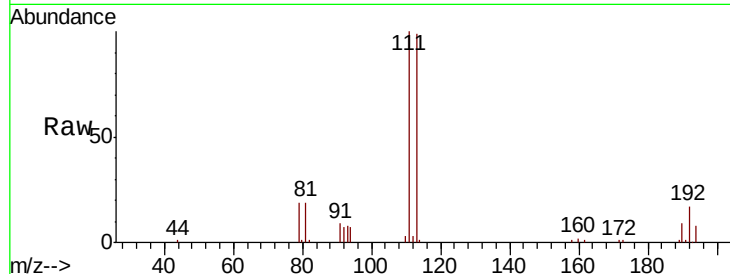




#35
 Dibromofluoromethane
 Concen: 49.212 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

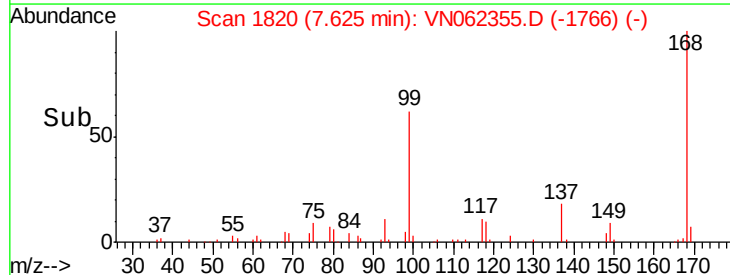
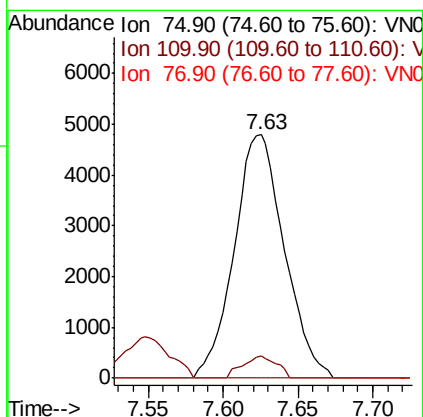
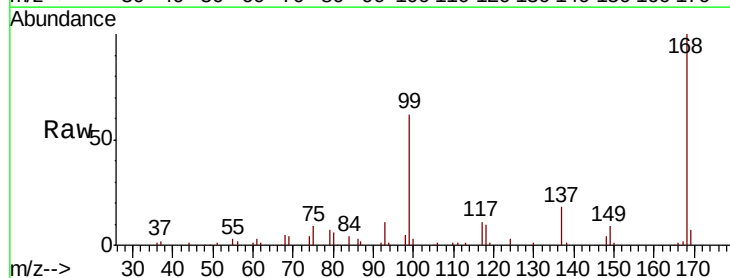
Instrument :
 MSVOA_N
 ClientSampled :

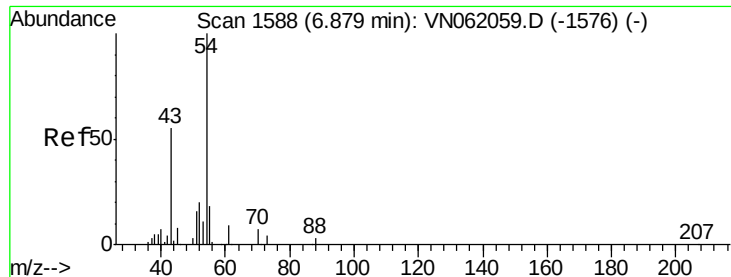
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	16.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.256 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.1	17.9	53.8#
77	0.0	24.9	37.3#

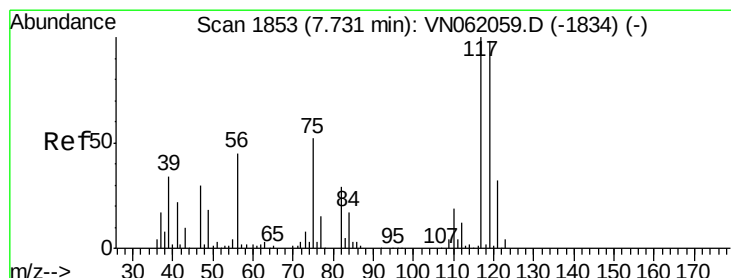
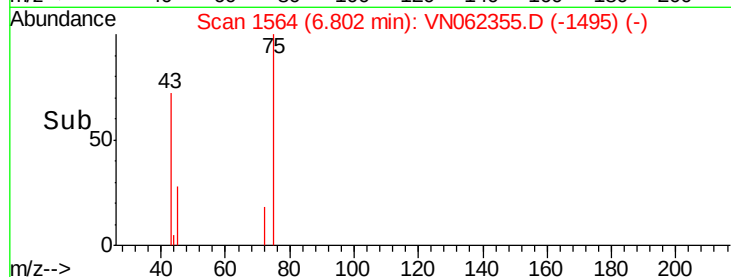
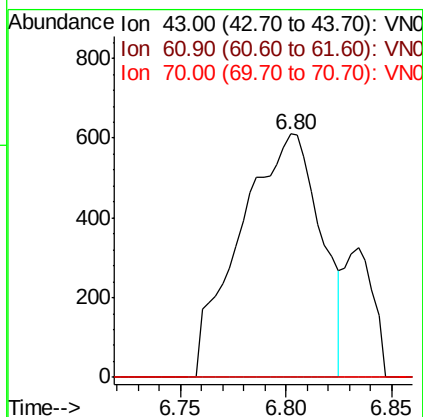
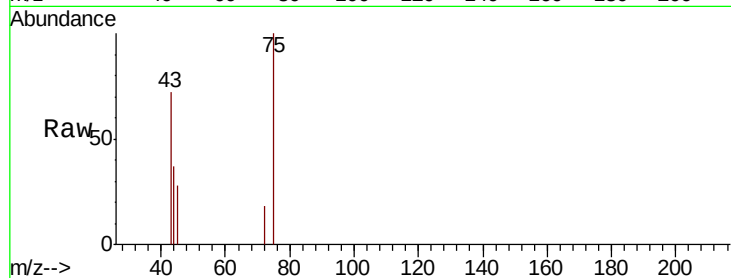




#37
Ethyl Acetate
Concen: 0.744 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.08 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

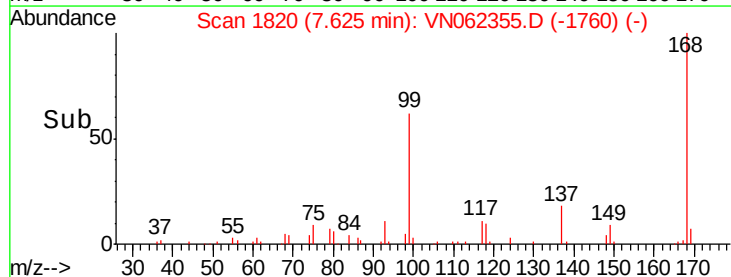
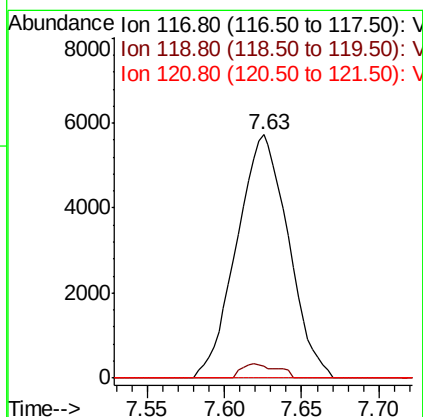
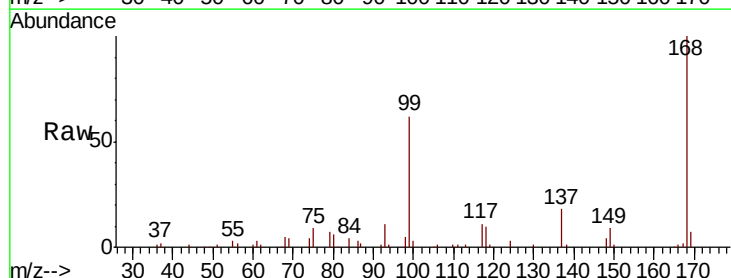
Instrument :
MSVOA_N
ClientSampled :

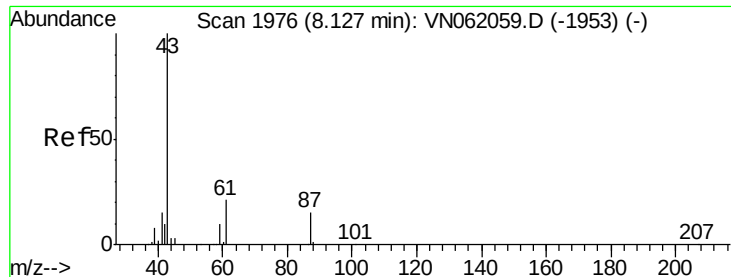
Tot Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.351 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion: 117 Resp: 13258
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 25.8 38.6#





#43

Isopropyl Acetate

Concen: 11.709 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

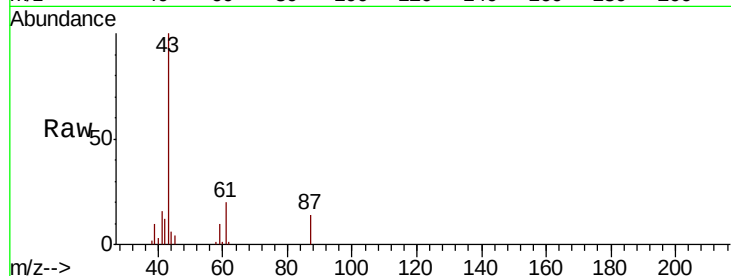
Tot Ion: 43 Resp: 41540

Ion Ratio Lower Upper

43 100

61 20.2 17.2 25.8

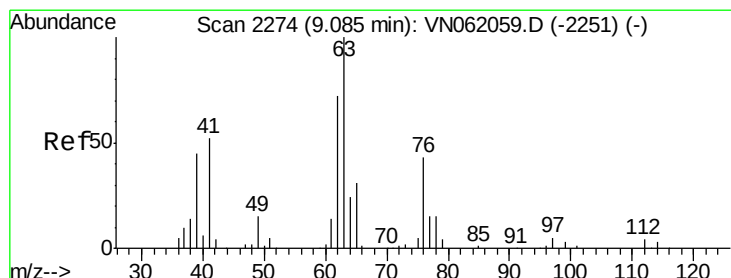
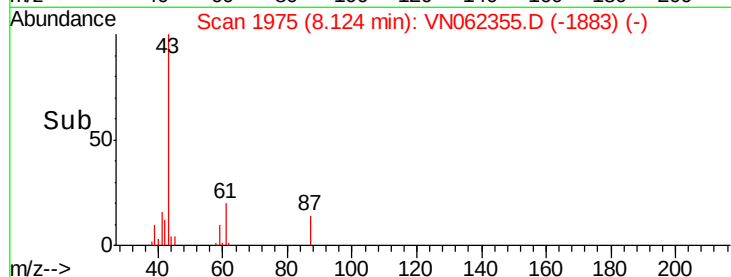
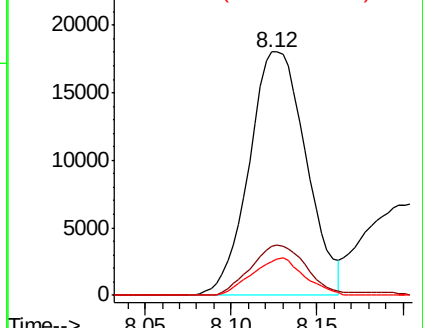
87 14.0 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062355.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062355.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062355.D (-1953) (-)



#45

1,2-Dichloropropane

Concen: 0.496 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062355.D

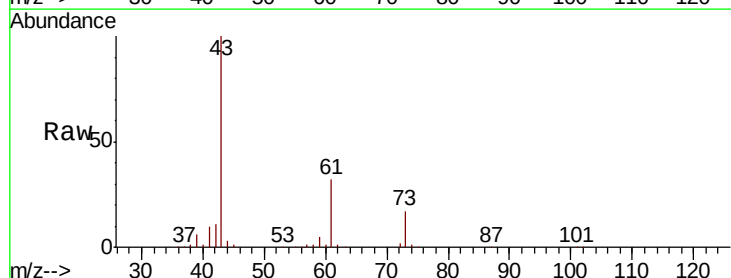
Acq: 3 Jul 2020 00:08

Tgt Ion: 63 Resp: 980

Ion Ratio Lower Upper

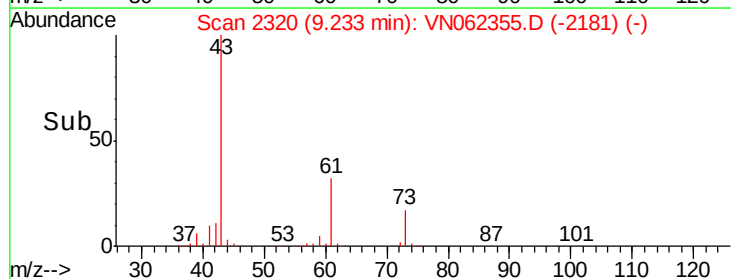
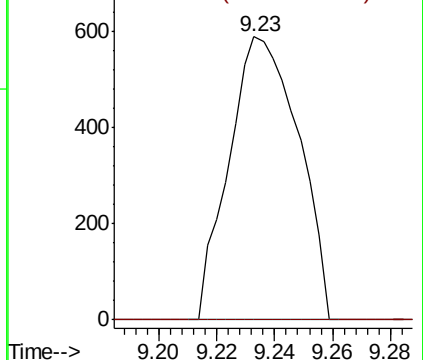
63 100

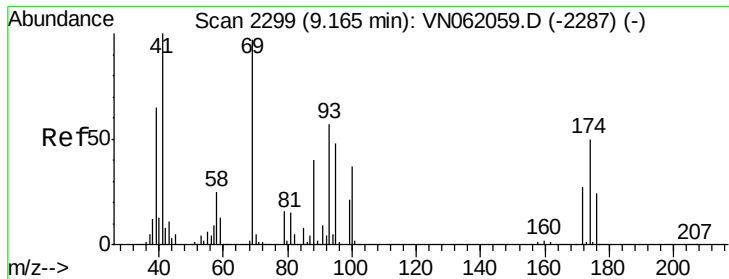
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN062355.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062355.D (-2181) (-)

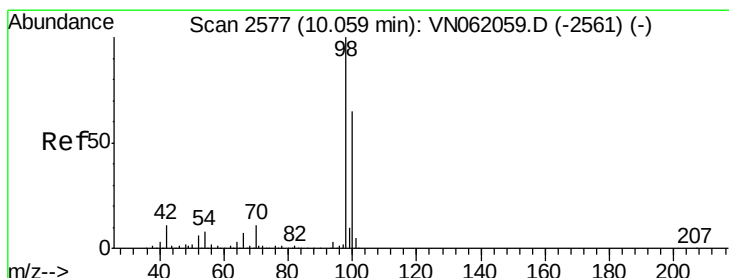
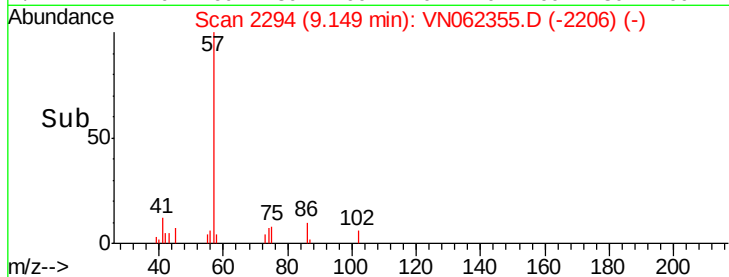
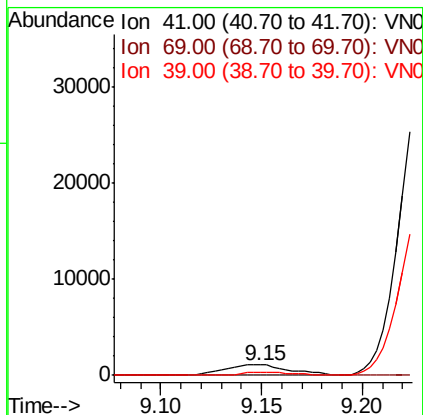
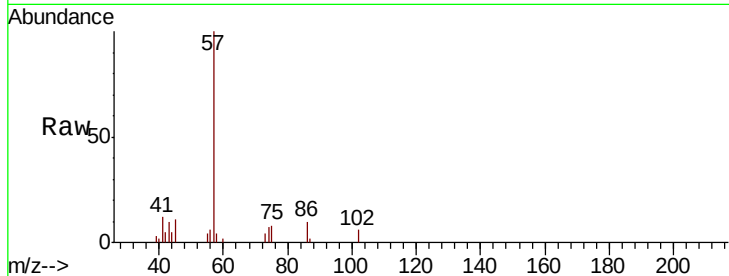




#48
Methvl methacrylate
Concen: 1.518 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

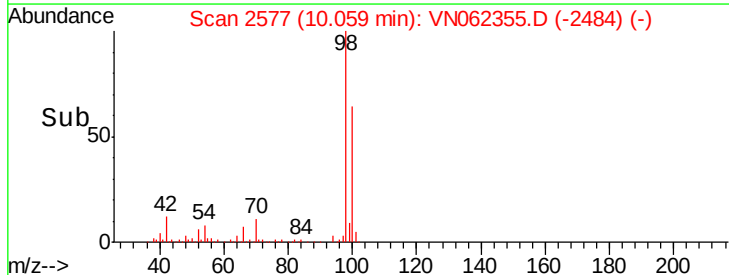
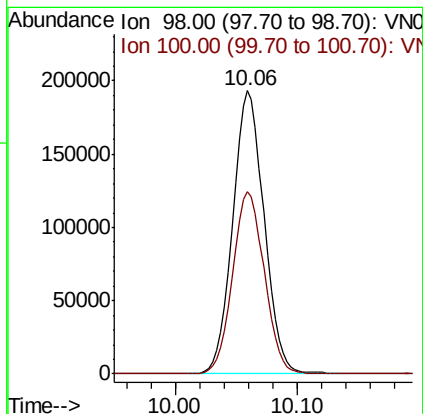
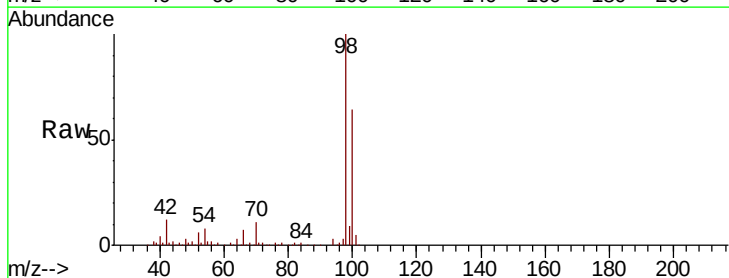
Instrument :
MSVOA_N
ClientSampleId :

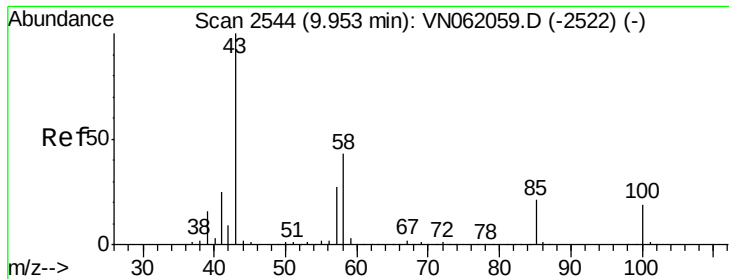
Tot Ion: 41 Resp: 2414
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 0.0 54.5 81.7#



#50
Toluene-d8
Concen: 51.335 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion: 98 Resp: 344227
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8

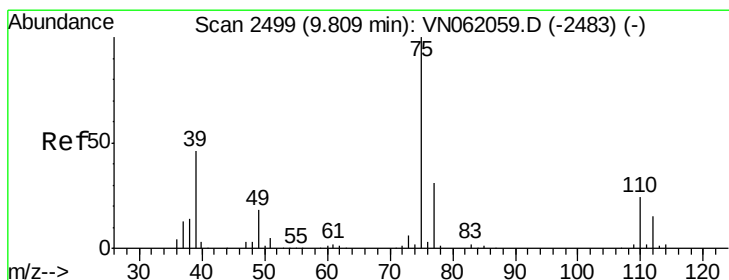
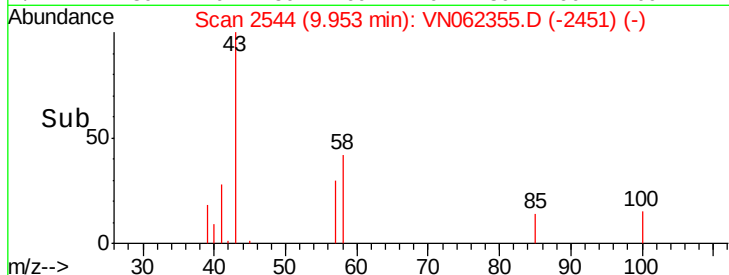
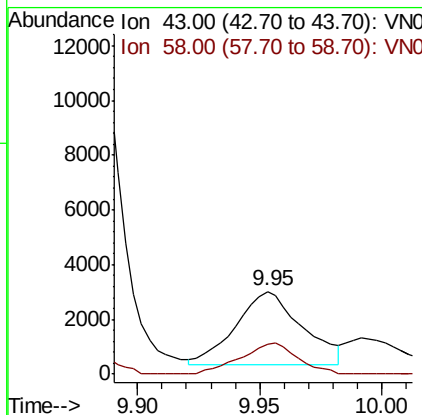
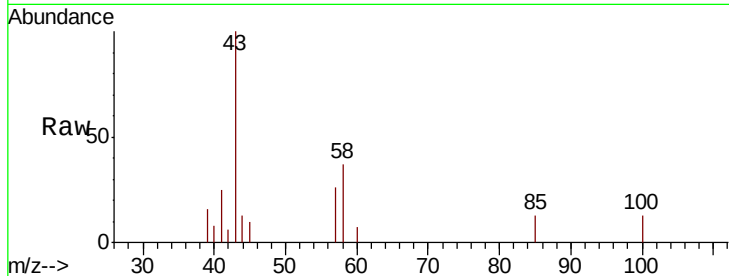




#51
 4-Methyl-2-Pentanone
 Concen: 2.420 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

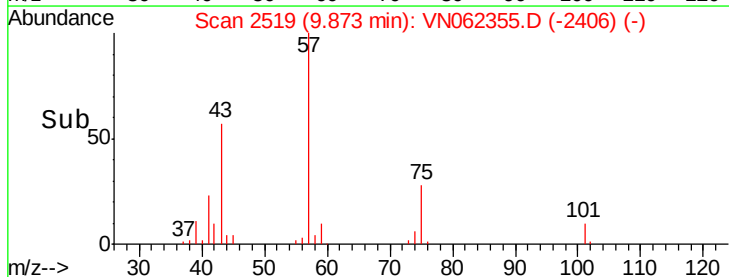
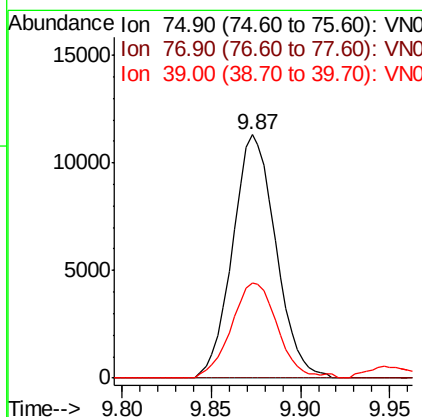
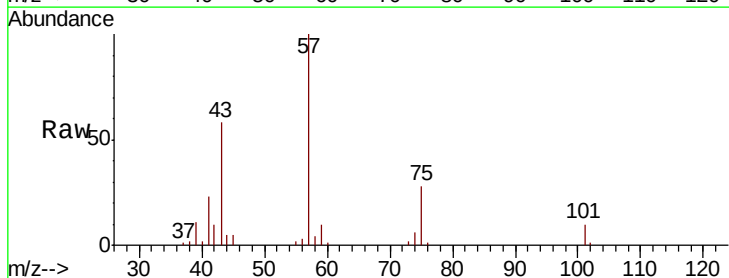
Instrument :
 MSVOA_N
 ClientSampled :

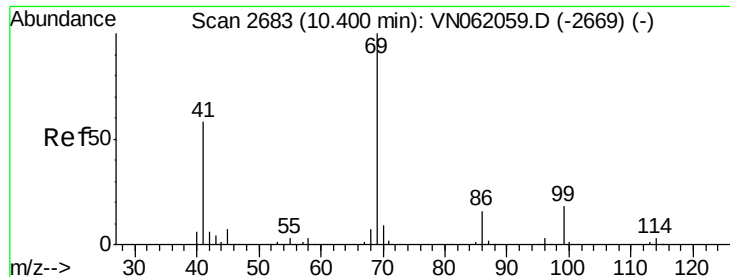
Tot Ion: 43 Resp: 5017
 Ion Ratio Lower Upper
 43 100
 58 37.0 34.2 51.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.013 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062355.D
 Acq: 3 Jul 2020 00:08

Tgt Ion: 75 Resp: 19054
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 39.1 36.9 55.3





#56

Ethyl methacrylate

Concen: 0.406 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

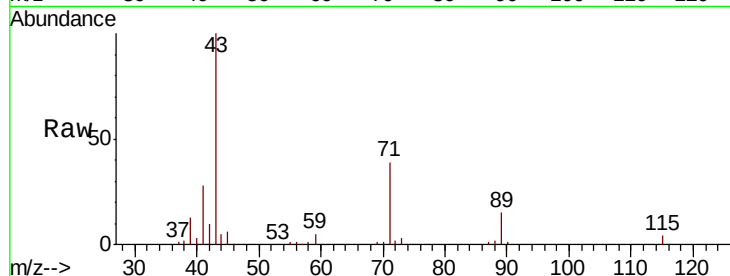
Tot Ion: 69 Resp: 1041

Ion Ratio Lower Upper

69 100

41 4195.2 46.6 70.0#

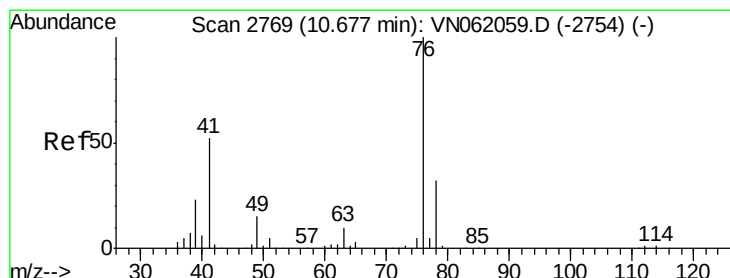
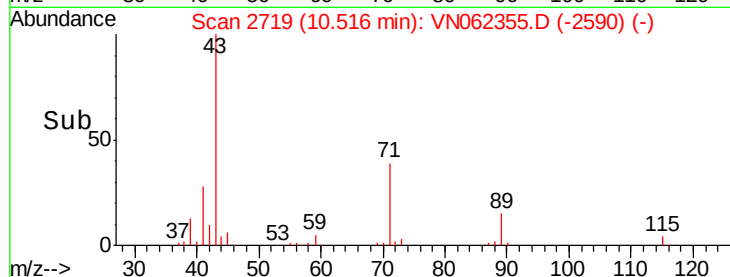
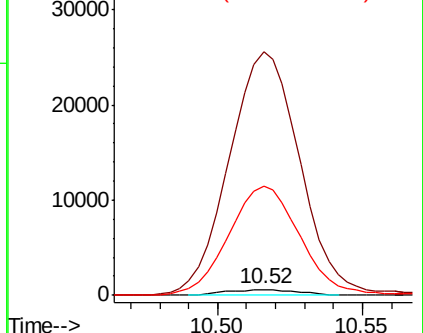
39 1883.4 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN062059.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062059.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-2669) (-)



#57

1,3-Dichloropropane

Concen: 1.066 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062355.D

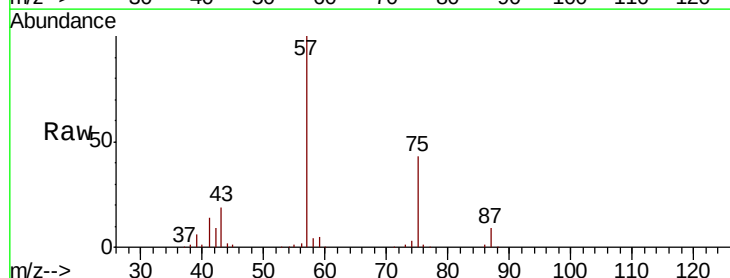
Acq: 3 Jul 2020 00:08

Tgt Ion: 76 Resp: 3524

Ion Ratio Lower Upper

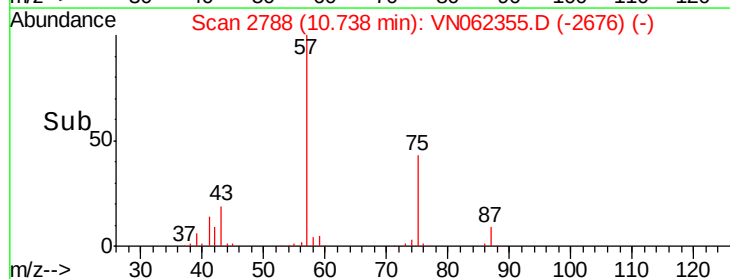
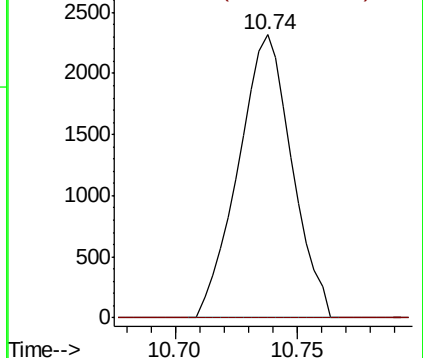
76 100

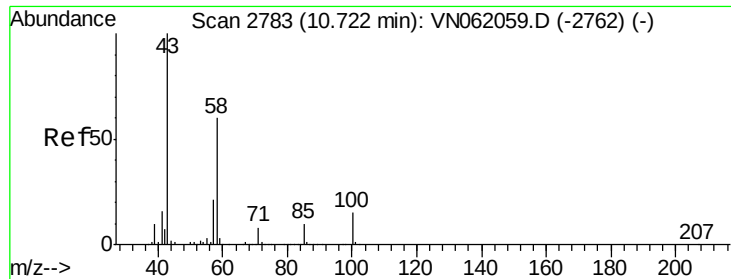
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062059.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN062059.D (-2754) (-)

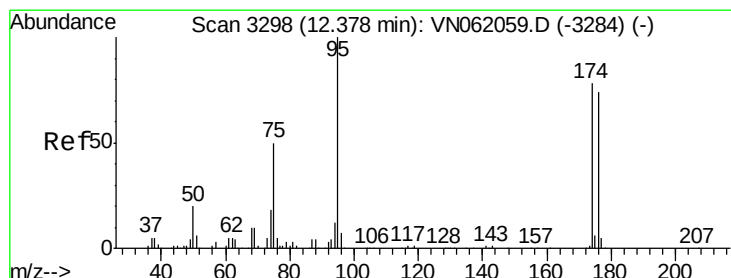
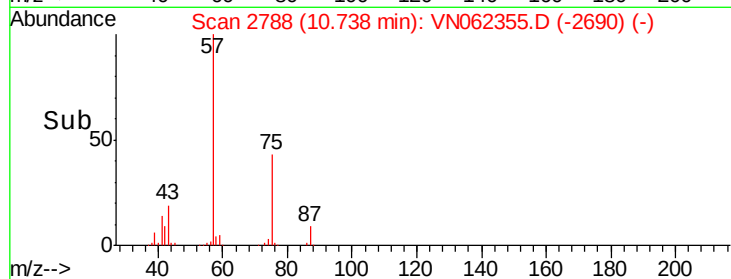
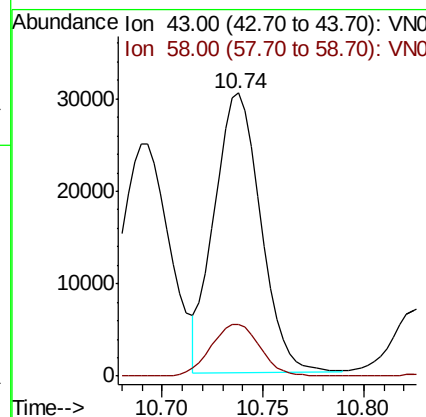
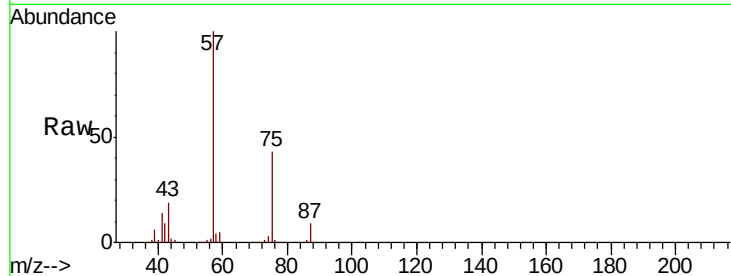




#59
2-Hexanone
Concen: 32.360 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

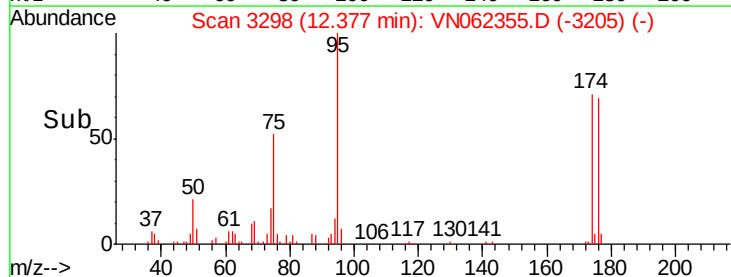
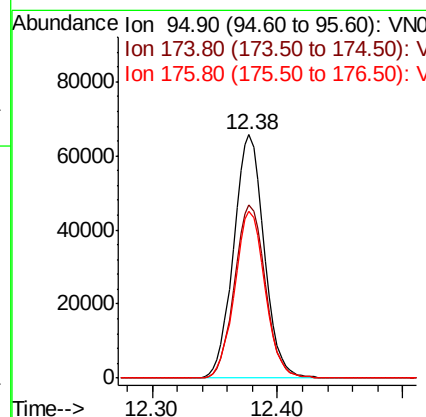
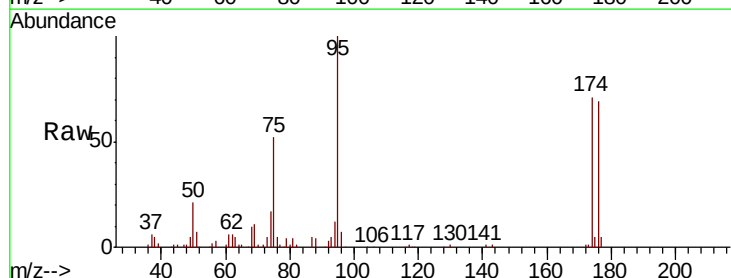
Instrument :
MSVOA_N
ClientSampleId :

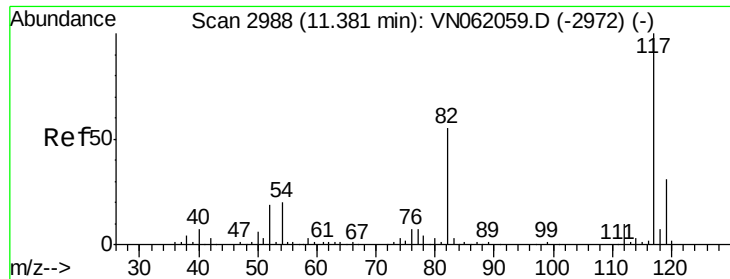
Tot Ion: 43 Resp: 48435
Ion Ratio Lower Upper
43 100
58 19.6 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 48.933 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion: 95 Resp: 110857
Ion Ratio Lower Upper
95 100
174 72.3 0.0 154.8
176 68.8 0.0 147.4

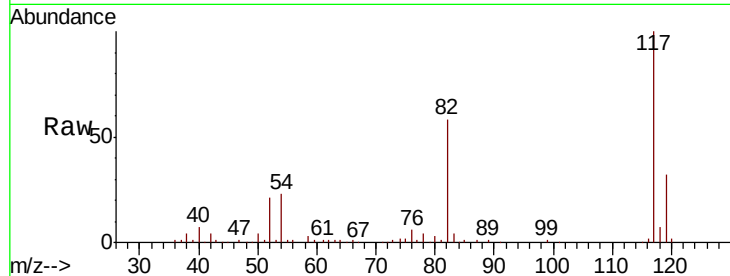




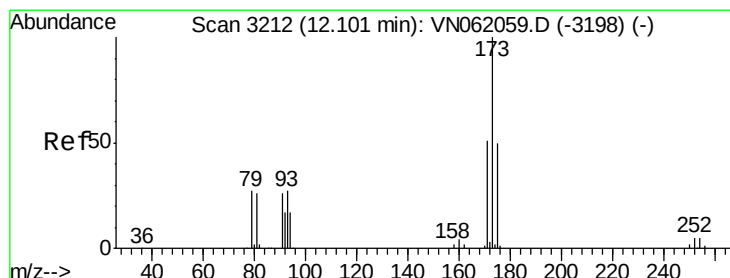
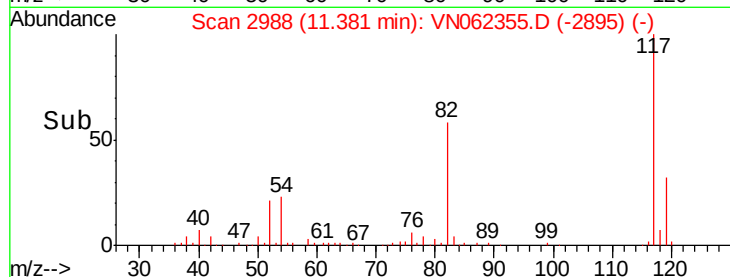
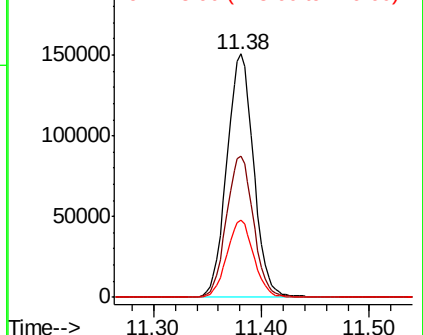
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 261638
Ion Ratio Lower Upper
117 100
82 58.1 43.8 65.8
119 31.7 25.2 37.8

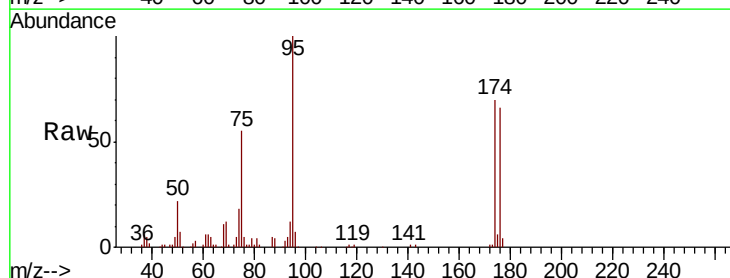


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

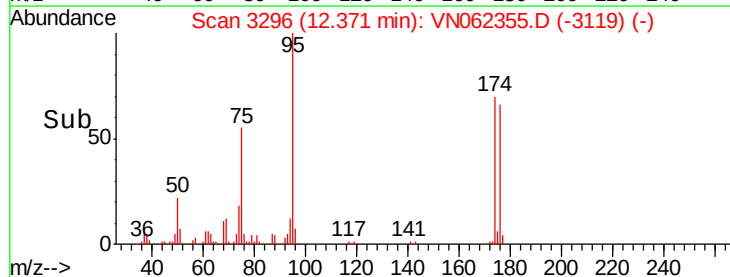
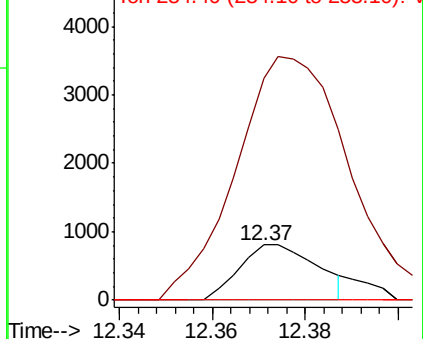


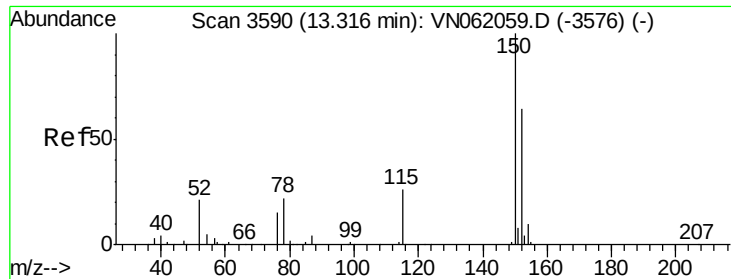
#71
Bromoform
Concen: 0.666 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062355.D
Acq: 3 Jul 2020 00:08

Tgt Ion:173 Resp: 941
Ion Ratio Lower Upper
173 100
175 538.9 24.7 74.1#
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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Instrument :

MSVOA_N

ClientSampled :

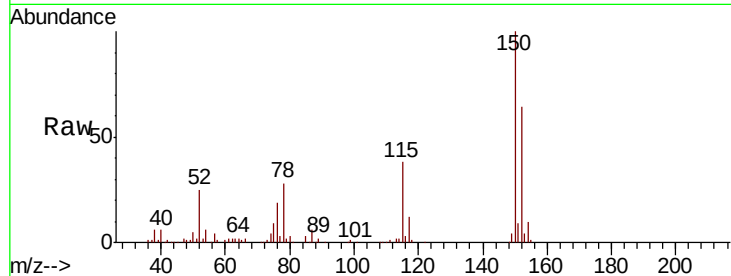
Tot Ion:152 Resp: 92740

Ion Ratio Lower Upper

152 100

115 61.1 29.5 88.5

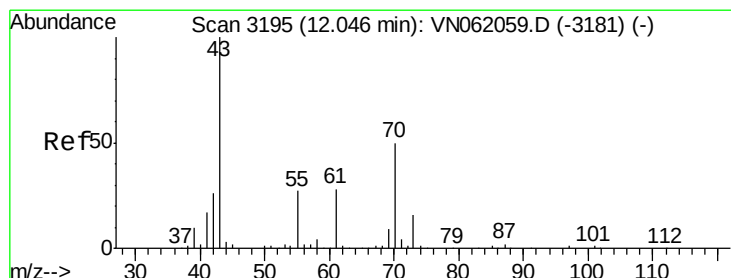
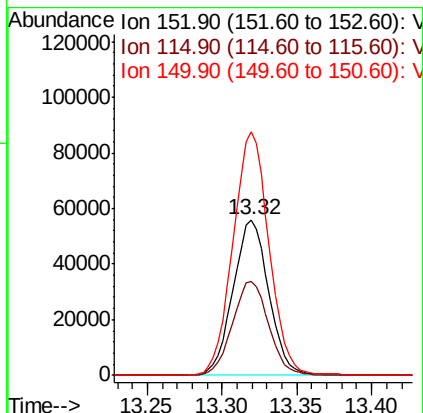
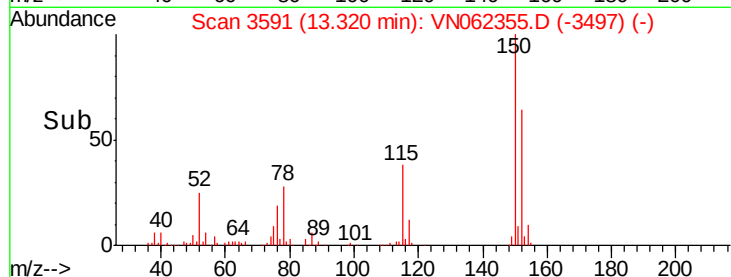
150 158.2 0.0 351.4



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-amil acetate

Concen: 3.947 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Tgt Ion: 43 Resp: 1709

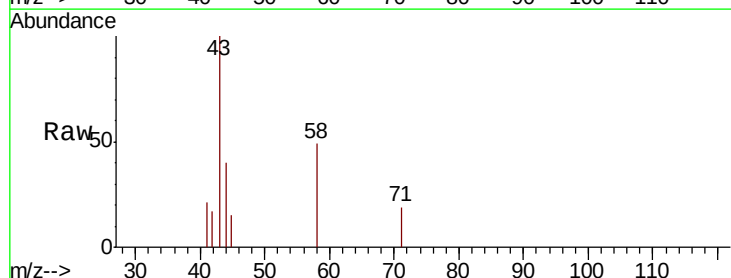
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

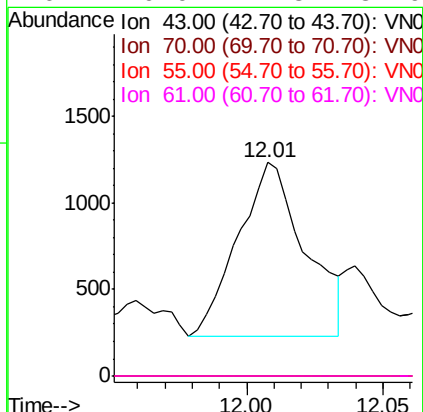
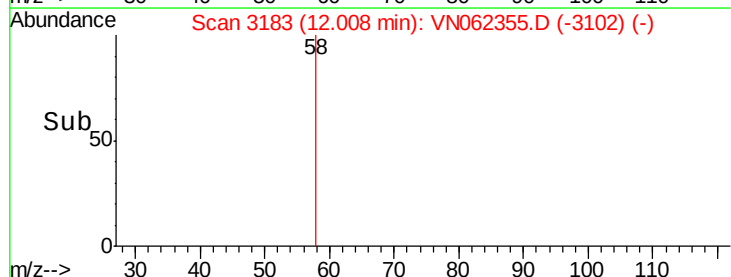


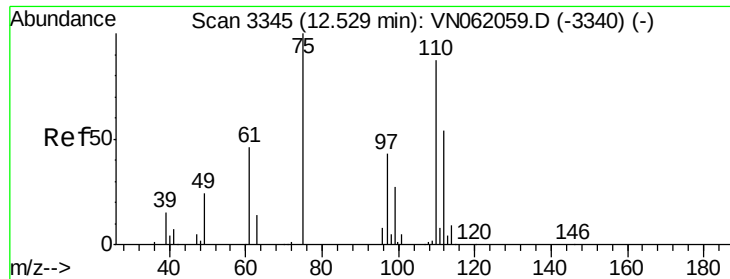
Abundance Ion 43.00 (42.70 to 43.70): V

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: 26.701 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Instrument :

MSVOA_N

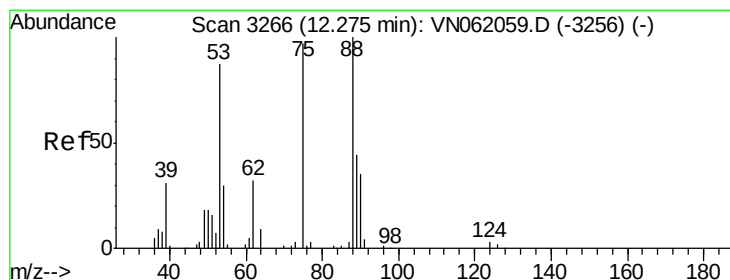
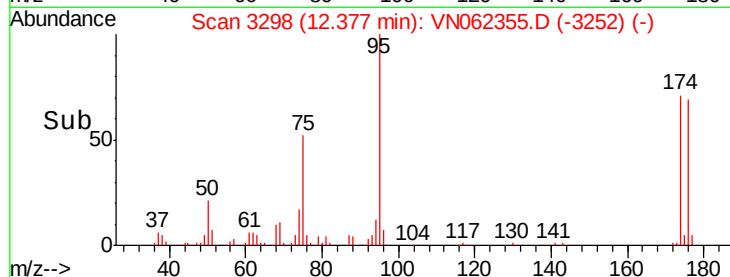
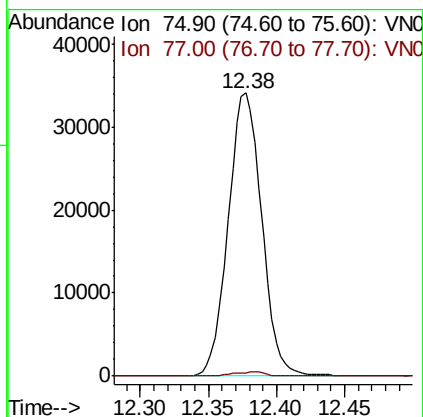
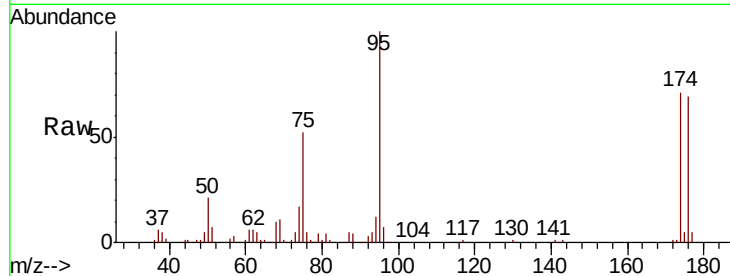
ClientSampled :

Tot Ion: 75 Resp: 58294

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.978 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062355.D

Acq: 3 Jul 2020 00:08

Tgt Ion: 75 Resp: 58294

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

