

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064246.D
 Acq On : 22 Oct 2020 4:37
 Operator : JC/MD
 Sample : L4467-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VB-15242

Quant Time: Oct 22 05:54:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	258705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	453410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	464051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216749	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	202473	52.70	ug/l	0.00
Spiked Amount						
			Recovery	=	105.40%	
35) Dibromofluoromethane	7.55	113	149149	49.48	ug/l	0.00
Spiked Amount						
			Recovery	=	98.96%	
50) Toluene-d8	10.06	98	578436	52.90	ug/l	0.00
Spiked Amount						
			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.38	95	259643	58.57	ug/l	0.00
Spiked Amount						
			Recovery	=	117.14%	

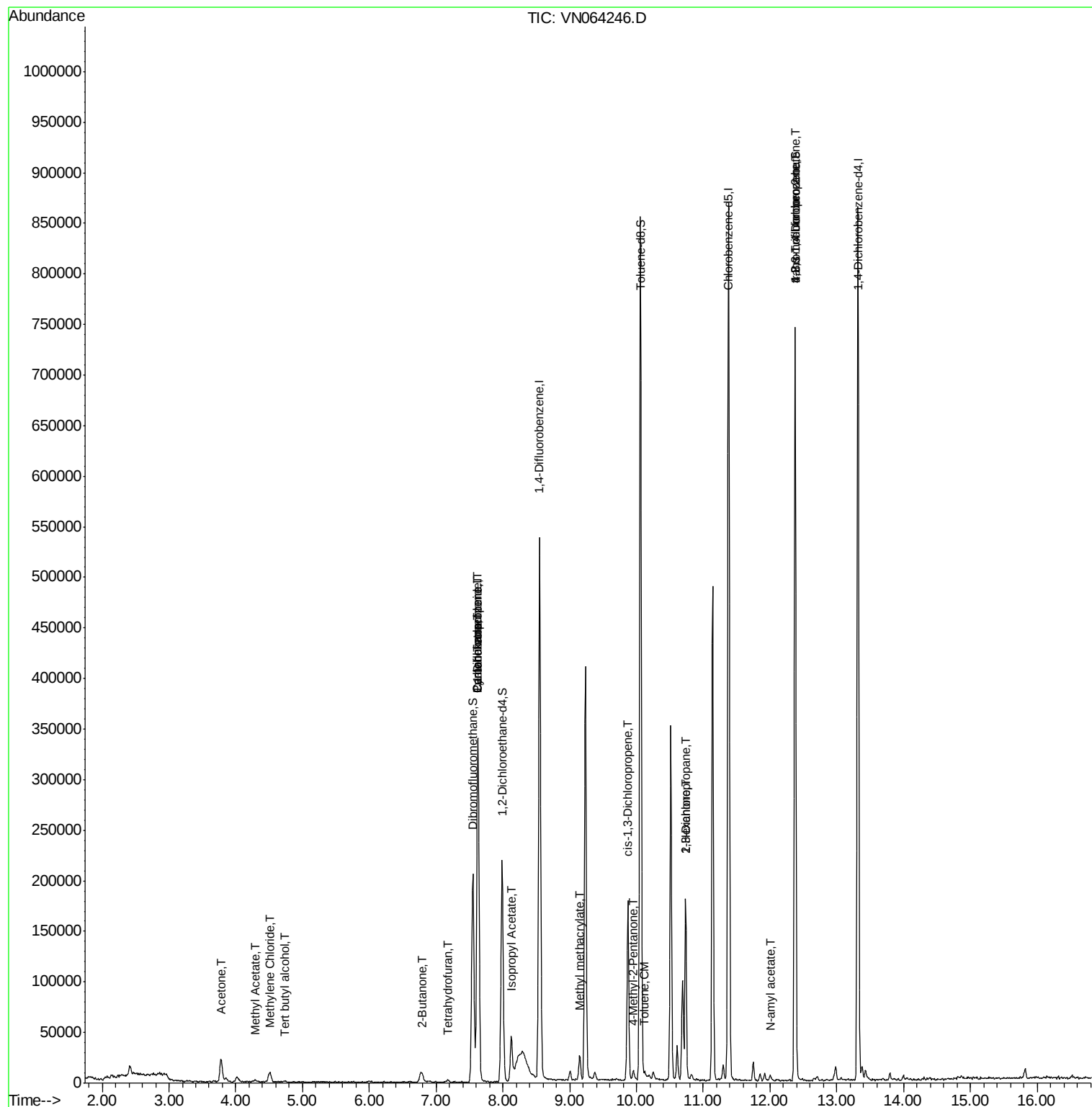
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	816	1.587	ug/l #	70
16) Acetone	3.78	43	42876	39.004	ug/l	93
18) Methyl Acetate	4.28	43	3565	1.273	ug/l #	78
20) Methylene Chloride	4.51	84	7319	2.497	ug/l #	84
25) 2-Butanone	6.79	43	7288	4.173	ug/l #	87
29) Tetrahydrofuran	7.17	42	1570	1.503	ug/l #	57
31) Cyclohexane	7.62	56	6736	1.479	ug/l #	40
36) 1,1-Dichloropropene	7.62	75	22034	4.874	ug/l #	51
38) Carbon Tetrachloride	7.62	117	30261	5.884	ug/l #	14
43) Isopropyl Acetate	8.13	43	61208	8.002	ug/l #	88
48) Methyl methacrylate	9.15	41	1447	0.362	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	5761	1.409	ug/l #	80
52) Toluene	10.12	92	3172	0.397	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	27730	4.798	ug/l #	56
57) 1,3-Dichloropropane	10.73	76	1601	0.306	ug/l #	42
59) 2-Hexanone	10.73	43	30304	10.151	ug/l #	59
74) N-amyl acetate	12.00	43	3812	0.534	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	143246	31.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	143246	79.147	ug/l #	9

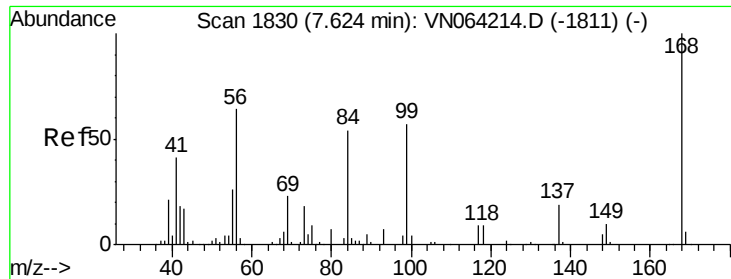
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064246.D
Acq On : 22 Oct 2020 4:37
Operator : JC/MD
Sample : L4467-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VB-15242

Quant Time: Oct 22 05:54:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

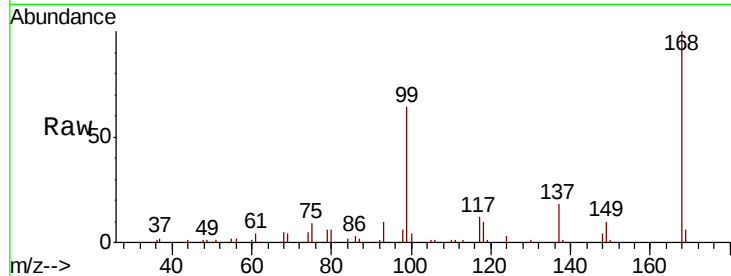
VB-15242

Tot Ion:168 Resp: 258705

Ion Ratio Lower Upper

168 100

99 64.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

120000

100000

80000

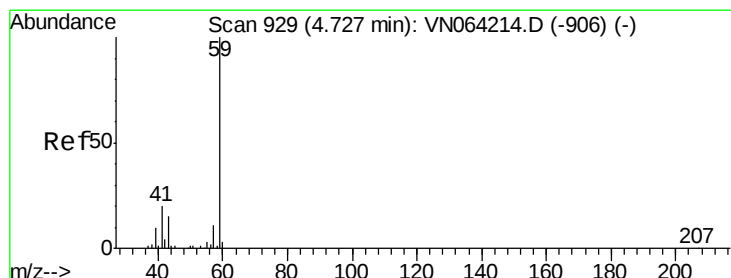
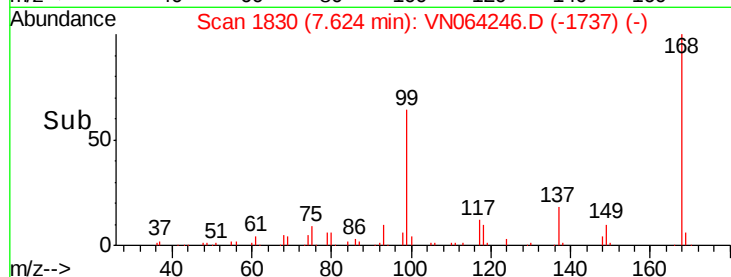
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.587 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN064246.D

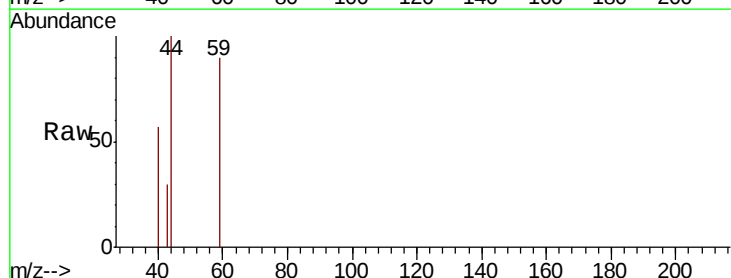
Acq: 22 Oct 2020 4:37

Tgt Ion: 59 Resp: 816

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

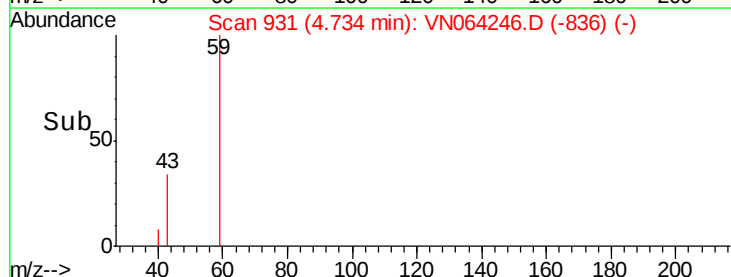
600

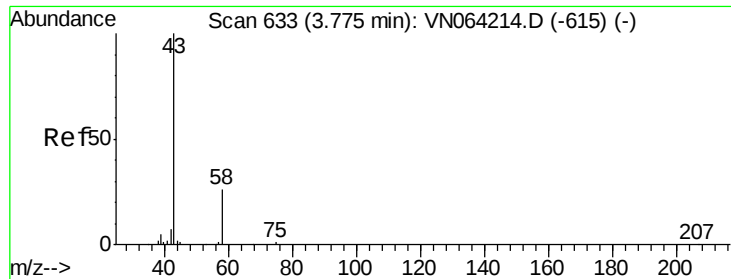
400

200

0

Time--> 4.72 4.74 4.76 4.78





#16

Acetone

Concen: 39.004 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

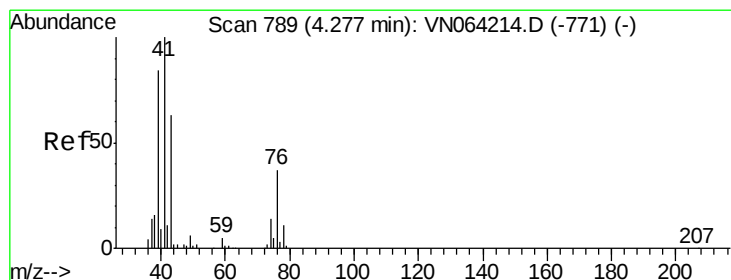
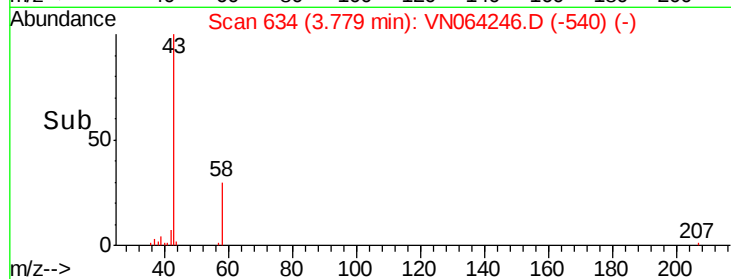
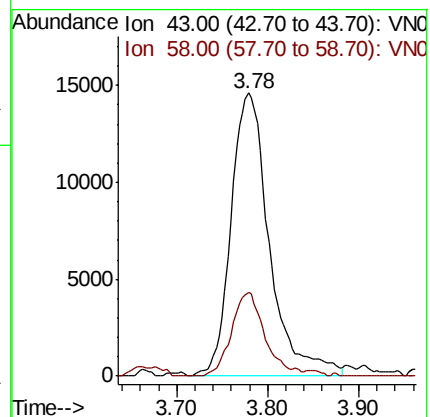
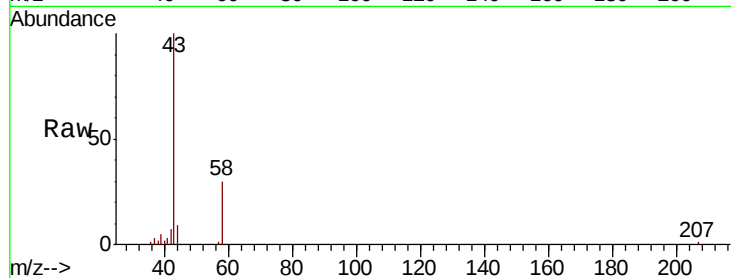
VB-15242

Tot Ion: 43 Resp: 42876

Ion Ratio Lower Upper

43 100

58 29.8 21.0 31.4



#18

Methyl Acetate

Concen: 1.273 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064246.D

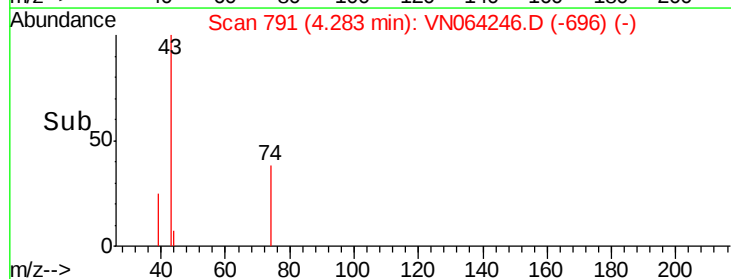
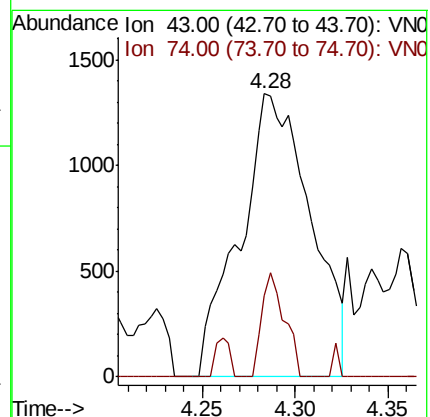
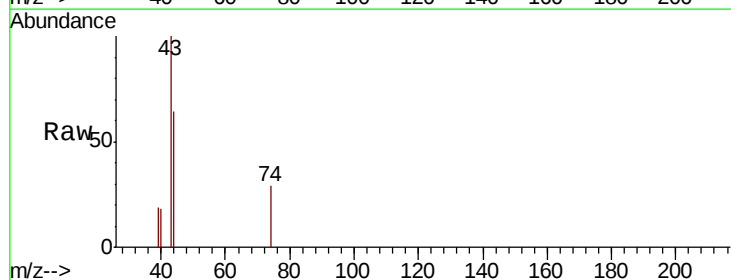
Acq: 22 Oct 2020 4:37

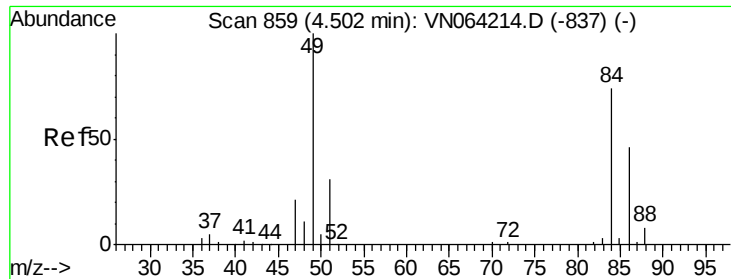
Tgt Ion: 43 Resp: 3565

Ion Ratio Lower Upper

43 100

74 11.9 17.9 26.9#

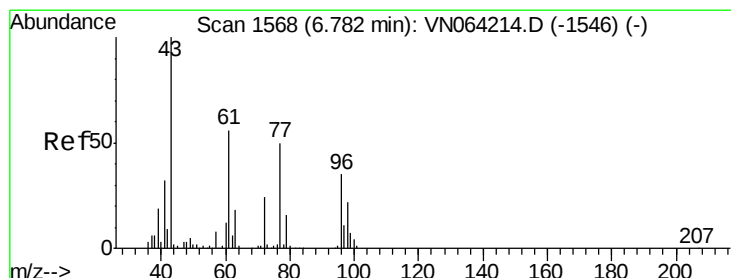
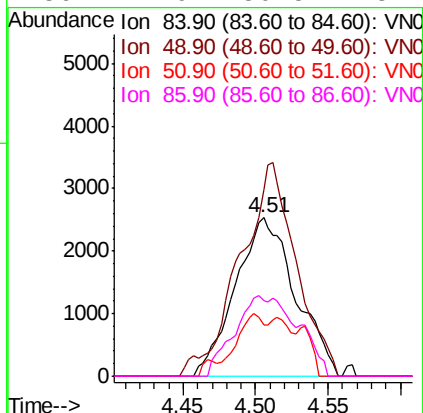
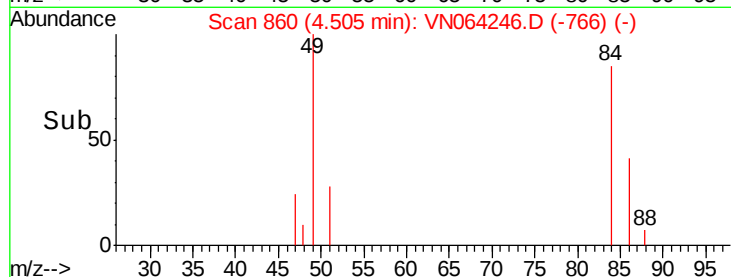
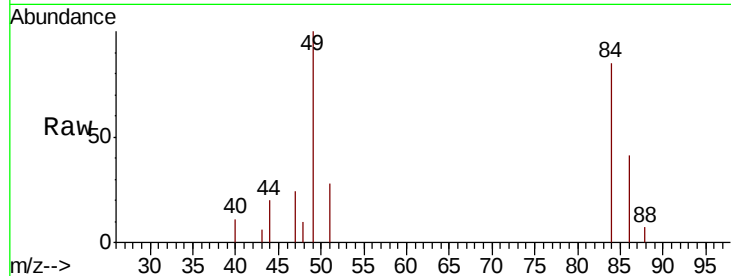




#20
Methvlene Chloride
Concen: 2.497 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

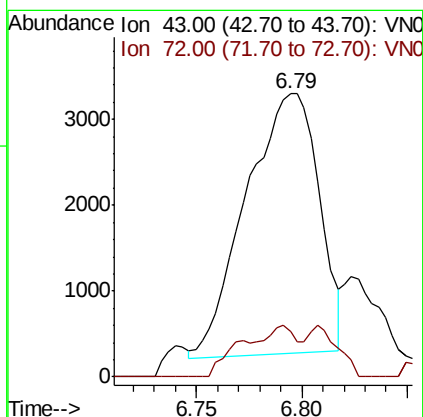
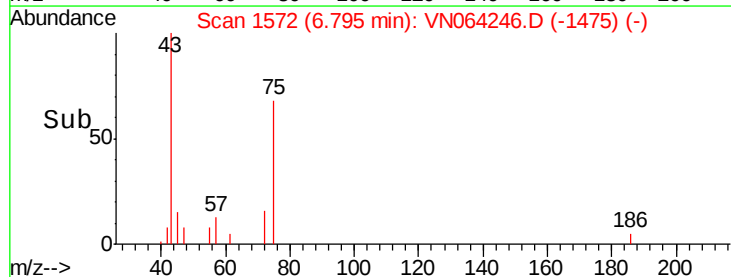
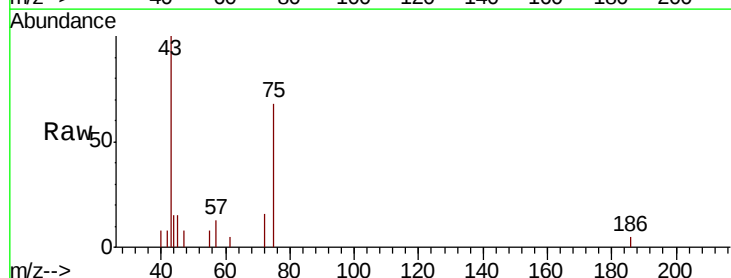
Instrument :
MSVOA_N
ClientSampleId :
VB-15242

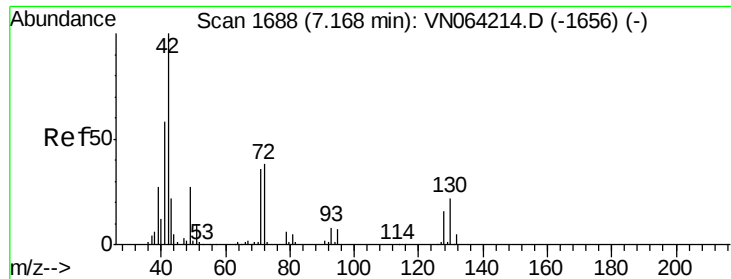
Tot Ion: 84 Resp: 7319
Ion Ratio Lower Upper
84 100
49 118.2 108.5 162.7
51 32.8 33.8 50.8#
86 47.9 50.5 75.7#



#25
2-Butanone
Concen: 4.173 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
72 17.7 19.4 29.0#





#29

Tetrahydrofuran

Concen: 1.503 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

VB-15242

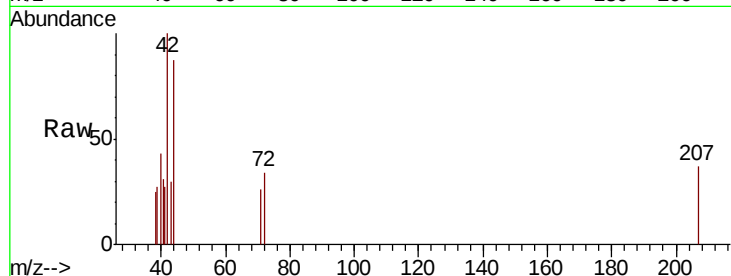
Tot Ion: 42 Resp: 1570

Ion Ratio Lower Upper

42 100

72 16.4 30.8 46.2#

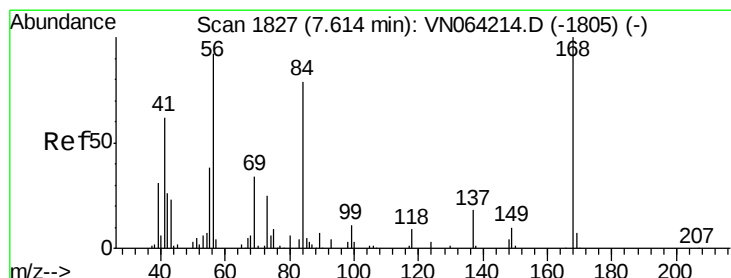
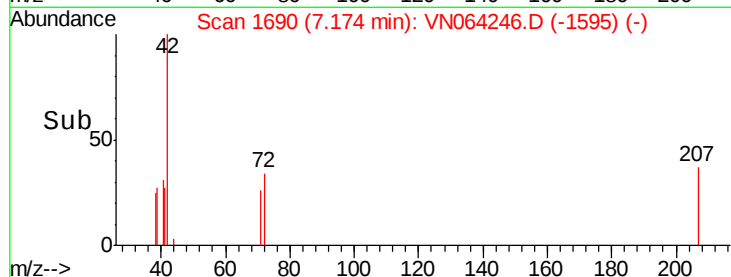
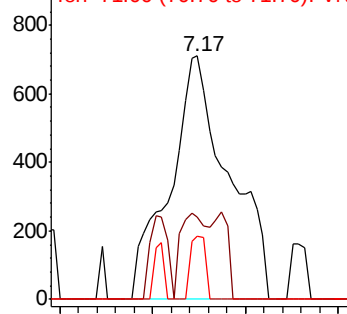
71 6.6 29.0 43.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.479 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

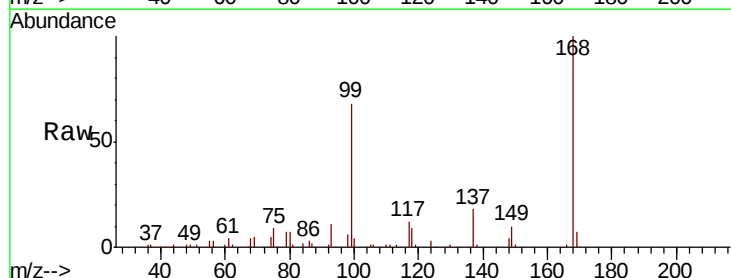
Tgt Ion: 56 Resp: 6736

Ion Ratio Lower Upper

56 100

69 148.3 29.8 44.6#

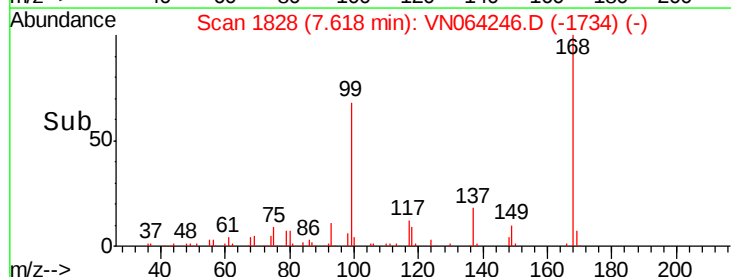
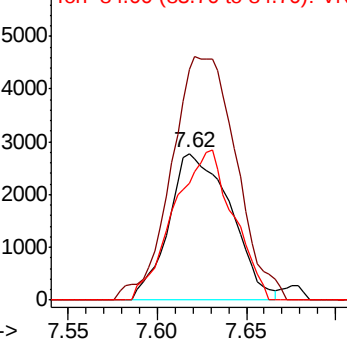
84 80.3 68.1 102.1

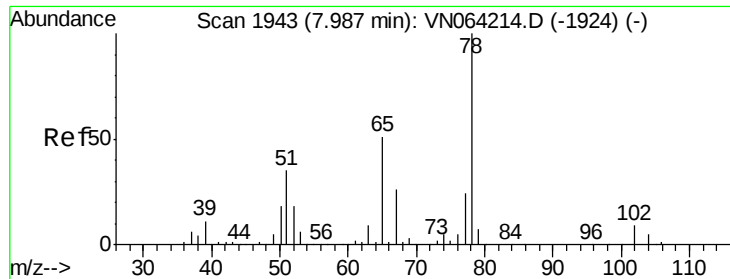


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

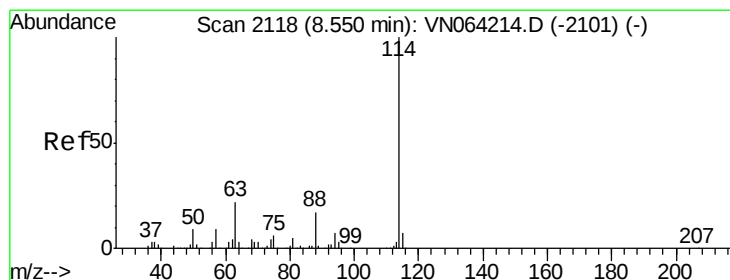
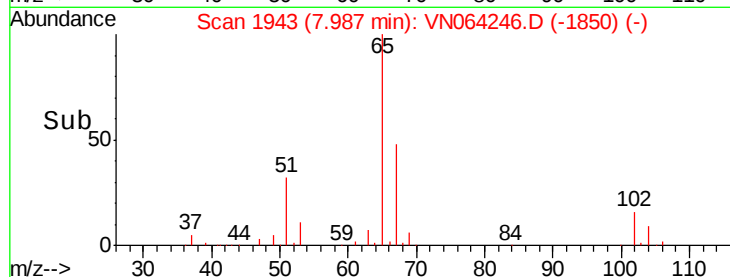
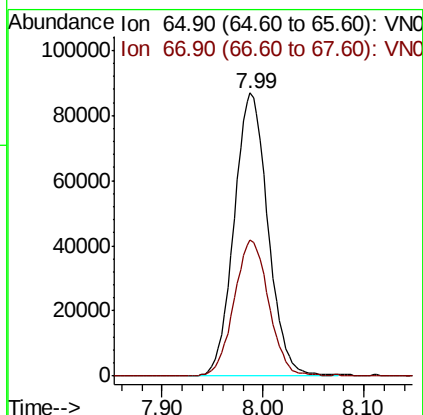
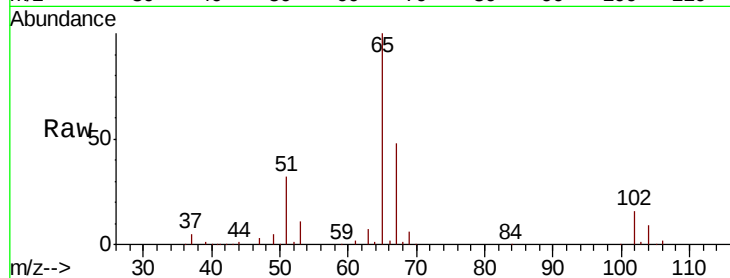




#33
 1,2-Dichloroethane-d4
 Concen: 52.701 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

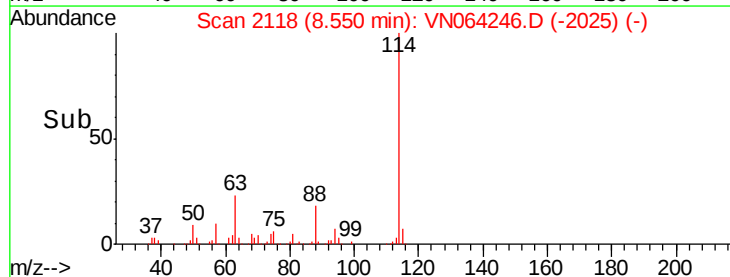
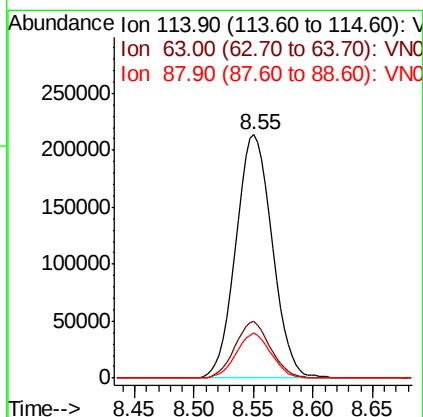
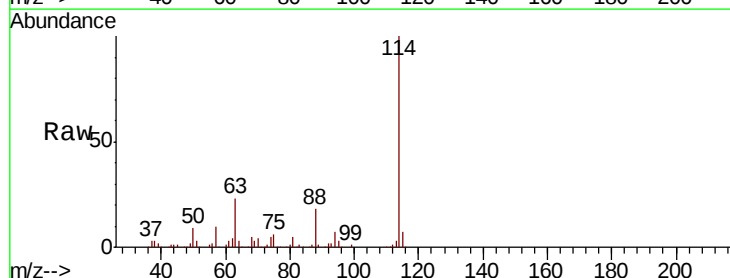
Instrument :
 MSVOA_N
 ClientSampleId :
 VB-15242

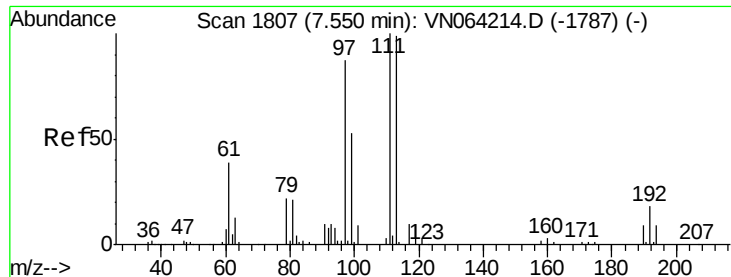
Tot Ion: 65 Resp: 202473
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

Tgt Ion: 114 Resp: 453410
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.0
 88 18.4 0.0 34.2

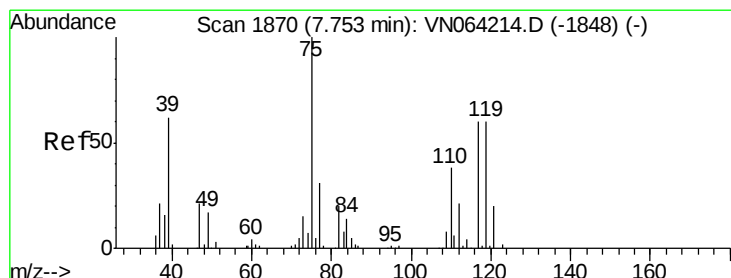
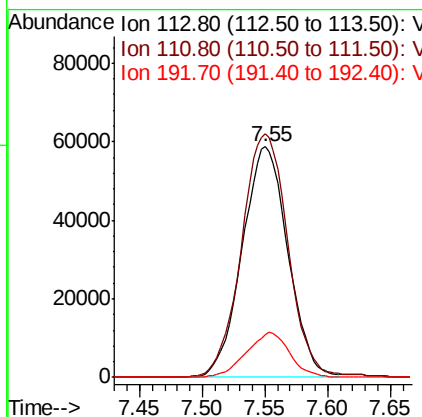
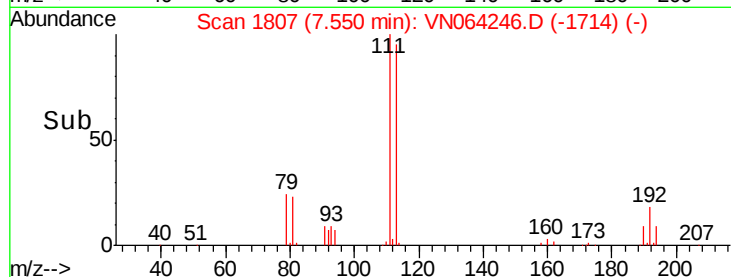
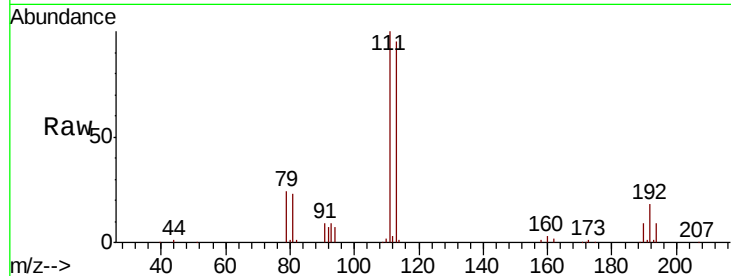




#35
Dibromofluoromethane
Concen: 49.477 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

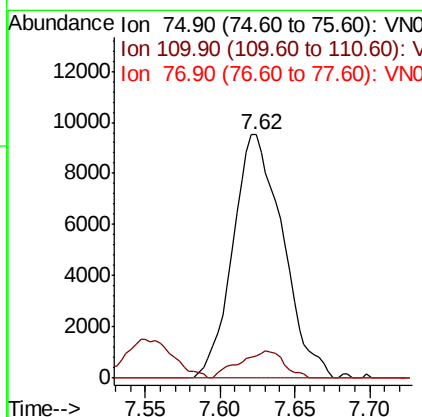
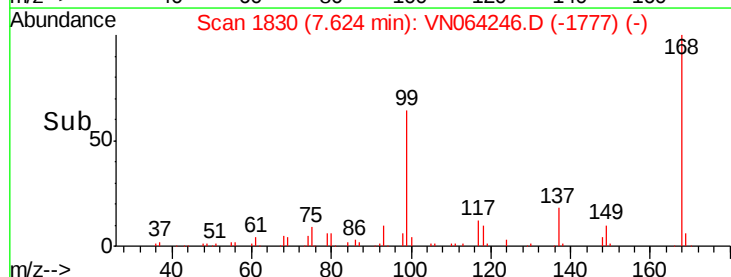
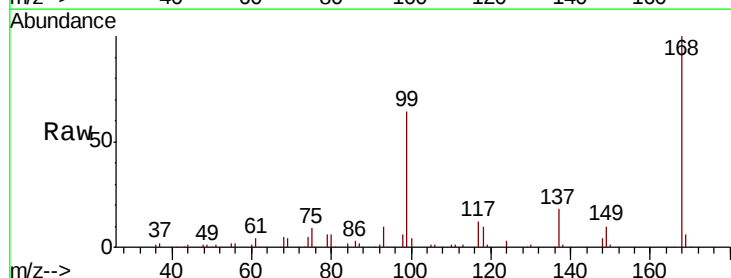
Instrument :
MSVOA_N
ClientSampleId :
VB-15242

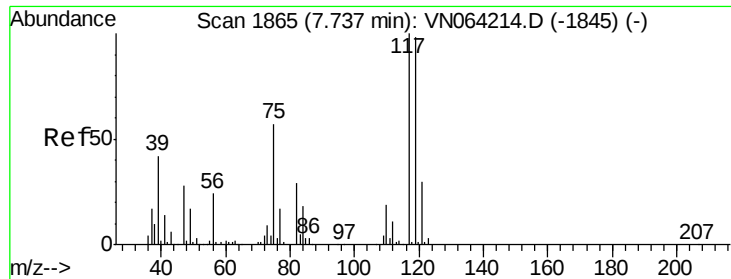
Tot Ion:113 Resp: 149149
Ion Ratio Lower Upper
113 100
111 107.7 84.2 126.2
192 18.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Tgt Ion: 75 Resp: 22034
Ion Ratio Lower Upper
75 100
110 9.9 17.2 51.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

VB-15242

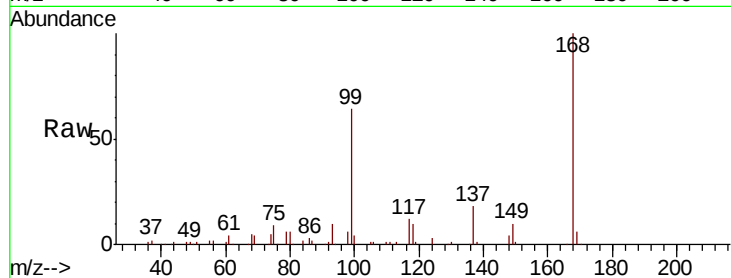
Tot Ion:117 Resp: 30261

Ion Ratio Lower Upper

117 100

119 4.4 78.5 117.7#

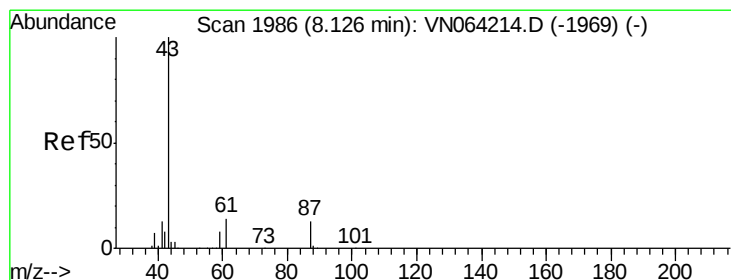
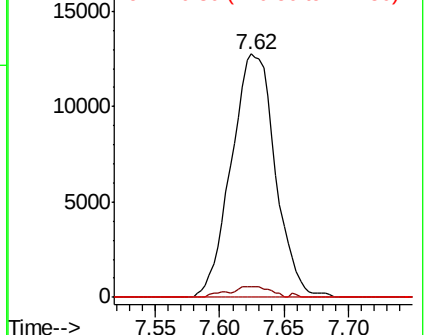
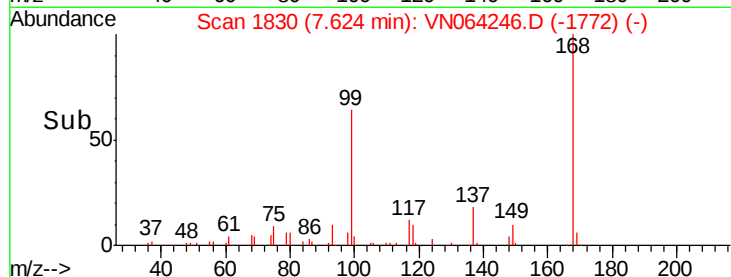
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.002 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

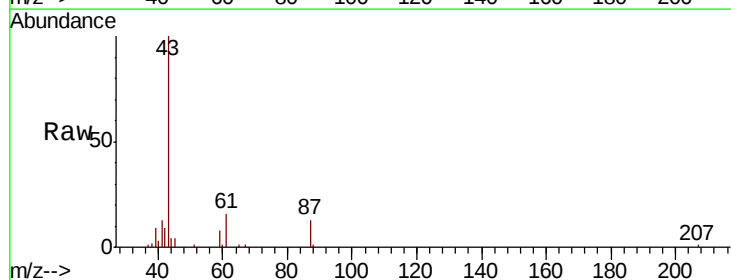
Tgt Ion: 43 Resp: 61208

Ion Ratio Lower Upper

43 100

61 16.3 19.6 29.4#

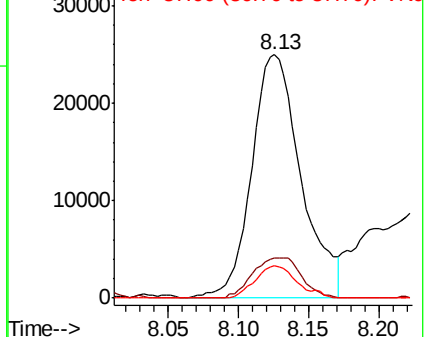
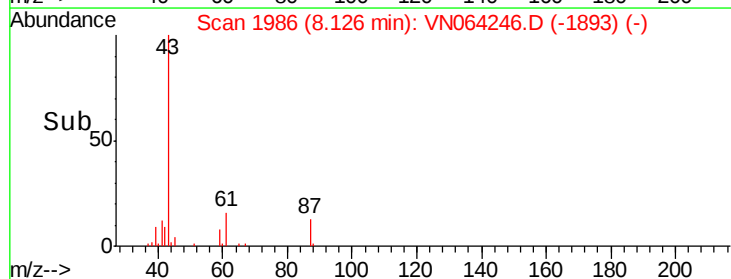
87 11.1 9.8 14.6

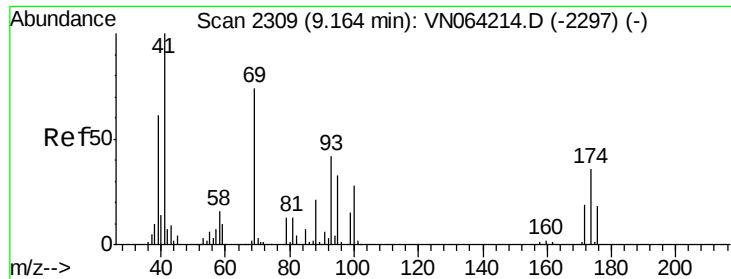


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

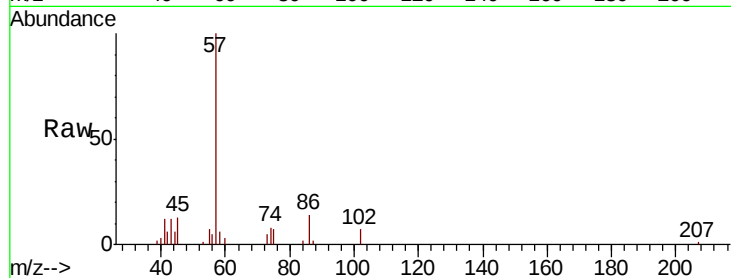




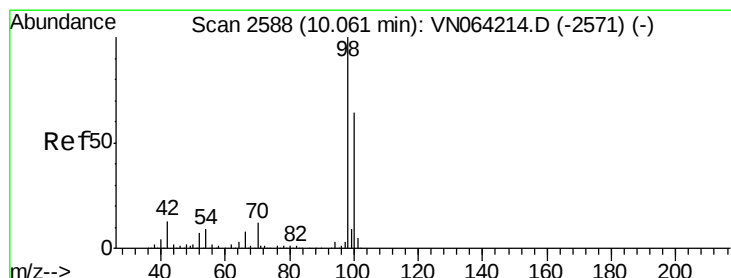
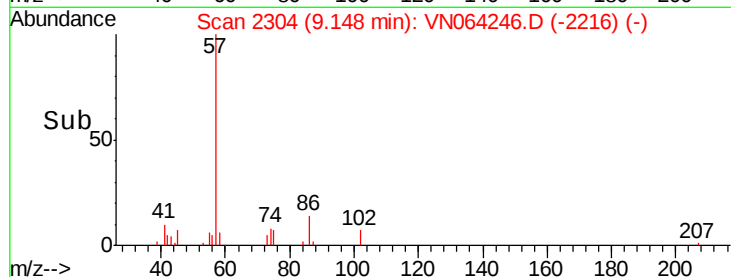
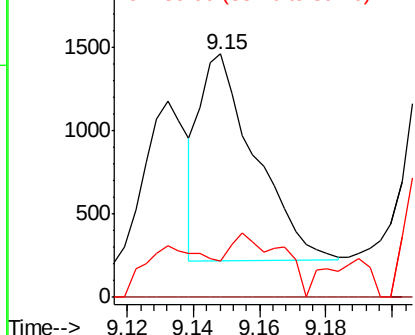
#48
Methvl methacrylate
Concen: 0.362 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Instrument :
MSVOA_N
ClientSampleId :
VB-15242

Tot Ion: 41 Resp: 1447
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 0.0 48.6 73.0#

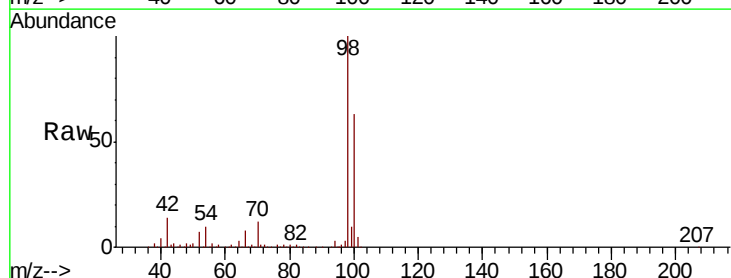


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

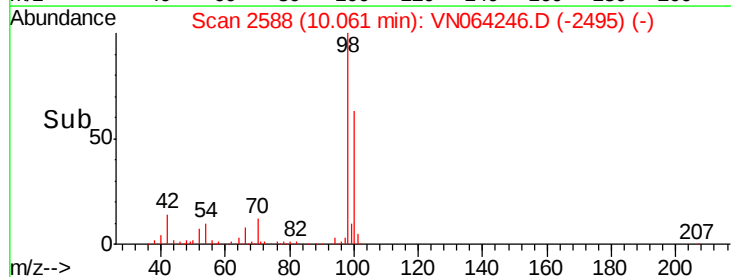
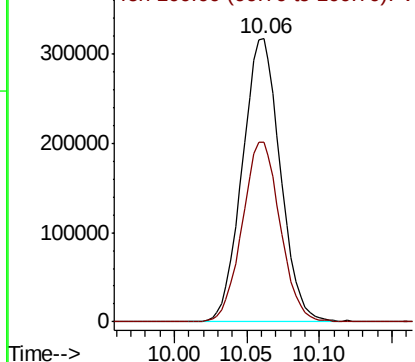


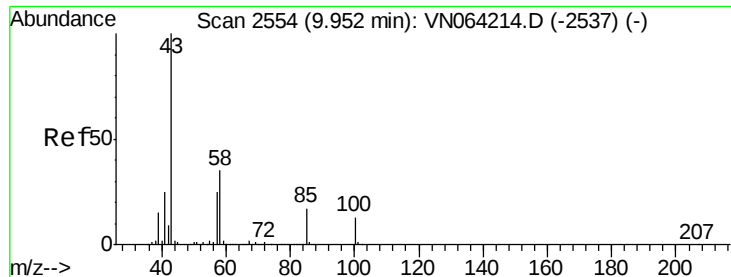
#50
Toluene-d8
Concen: 52.897 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Tgt Ion: 98 Resp: 578436
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

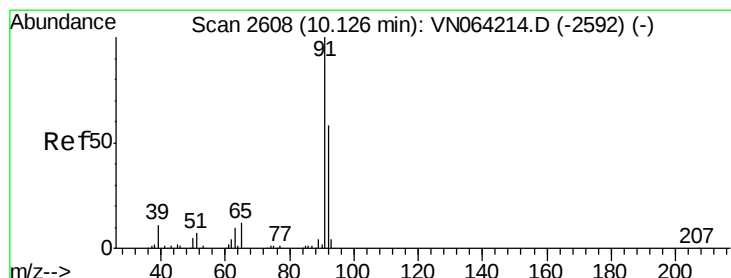
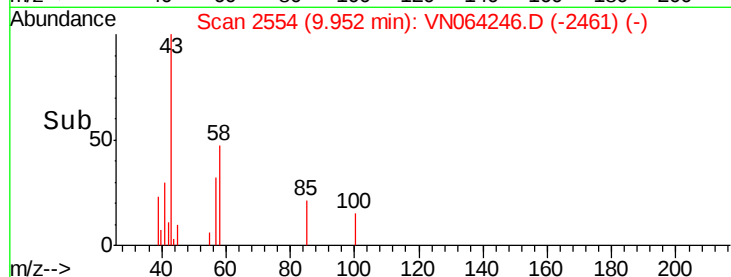
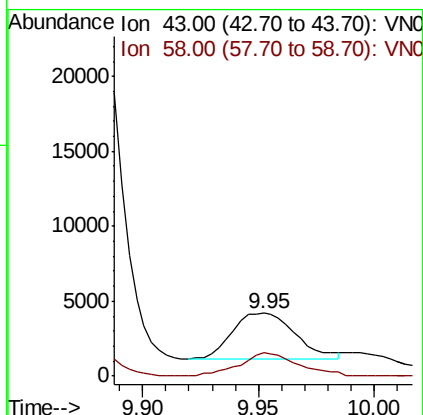
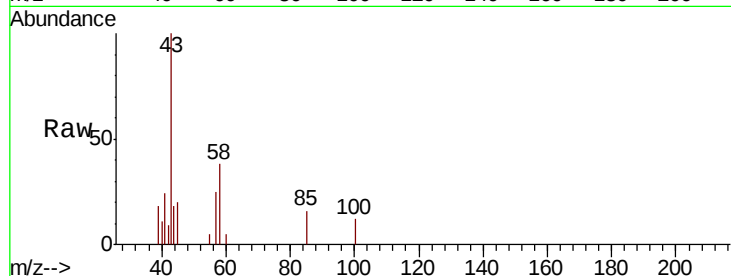




#51
 4-Methyl-2-Pentanone
 Concen: 1.409 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

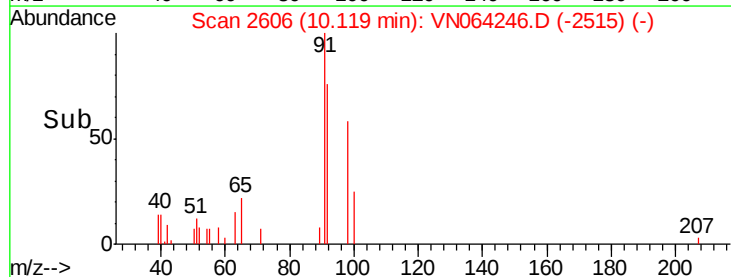
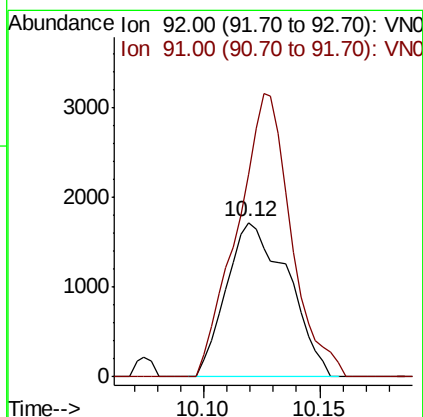
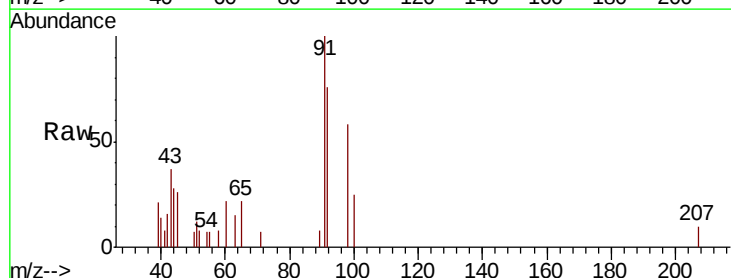
Instrument :
 MSVOA_N
 ClientSampleID :
 VB-15242

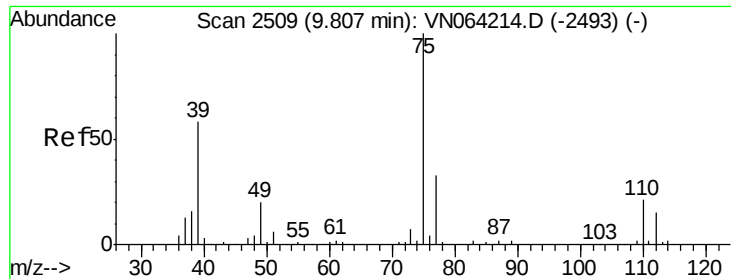
Tot Ion: 43 Resp: 5761
 Ion Ratio Lower Upper
 43 100
 58 47.6 28.6 42.8#



#52
 Toluene
 Concen: 0.397 ug/l
 RT: 10.12 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

Tgt Ion: 92 Resp: 3172
 Ion Ratio Lower Upper
 92 100
 91 160.3 137.4 206.2



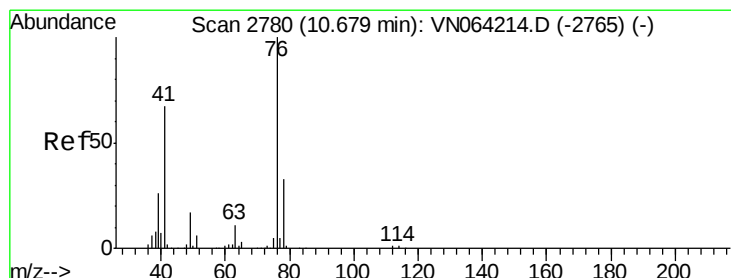
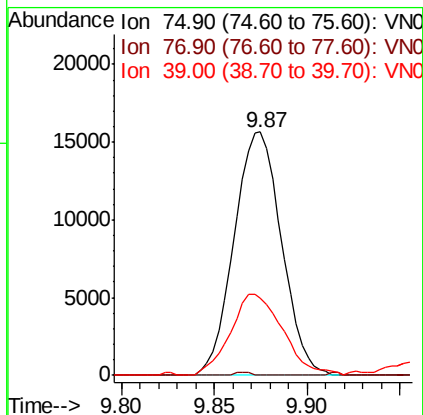
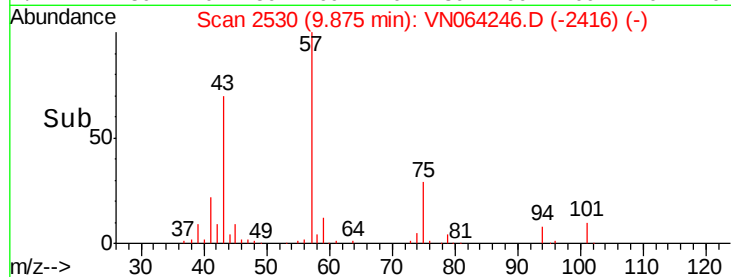
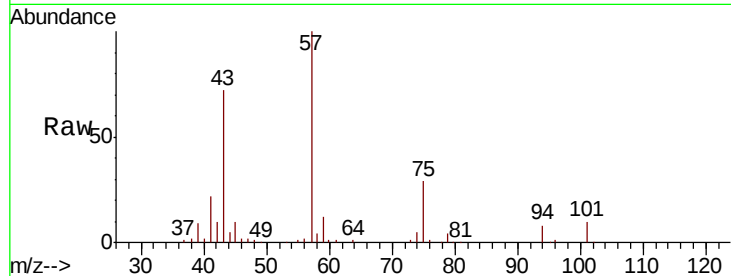


#54

cis-1,3-Dichloropropene
 Concen: 4.798 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VB-15242

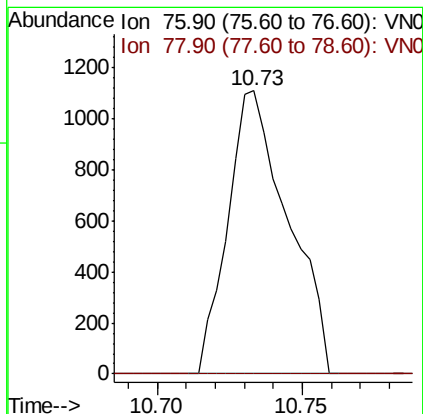
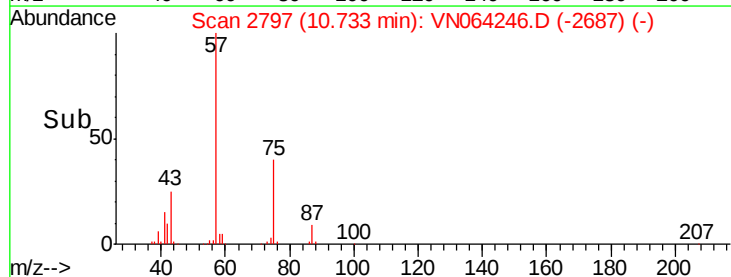
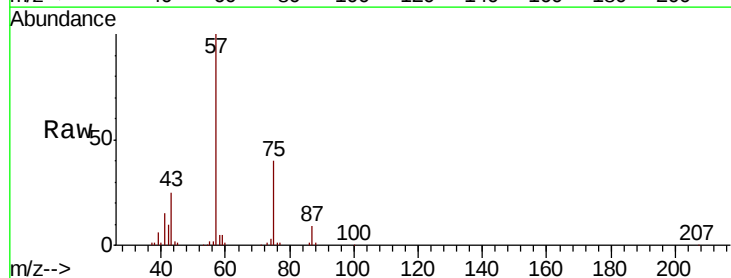
Tot Ion: 75 Resp: 27730
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 39.8#
 39 31.8 46.7 70.1#

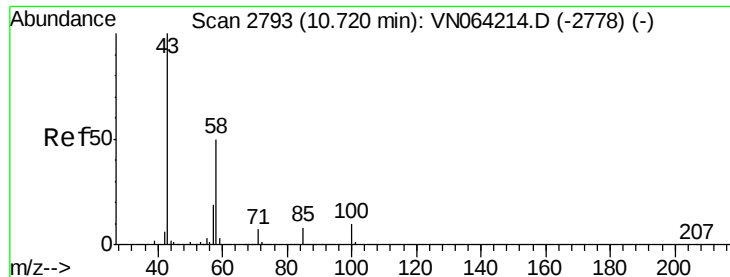


#57

1,3-Dichloropropane
 Concen: 0.306 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.05 min
 Lab File: VN064246.D
 Acq: 22 Oct 2020 4:37

Tgt Ion: 76 Resp: 1601
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

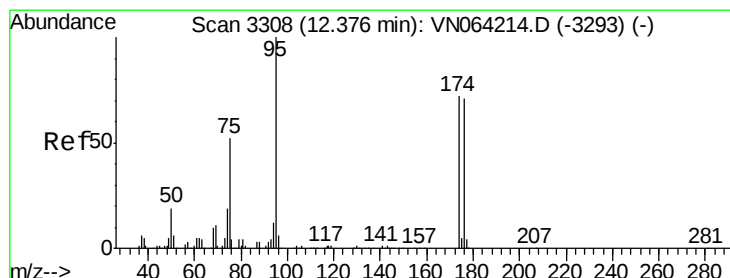
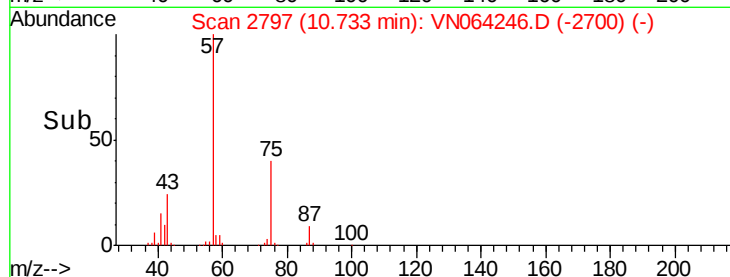
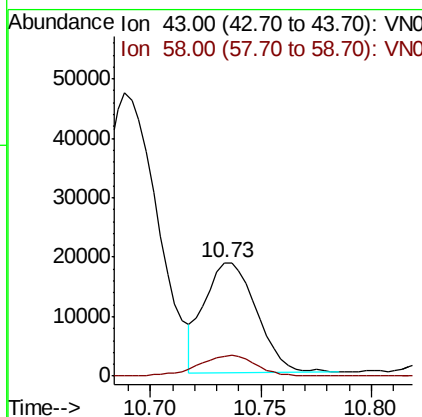
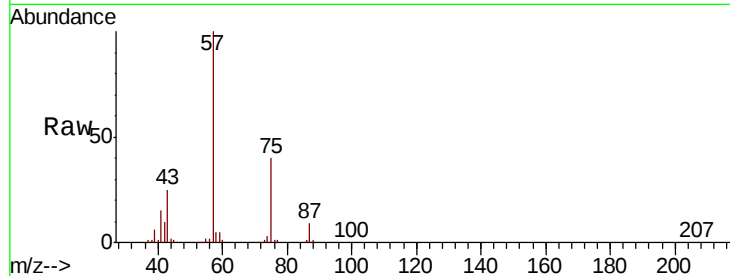




#59
2-Hexanone
Concen: 10.151 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

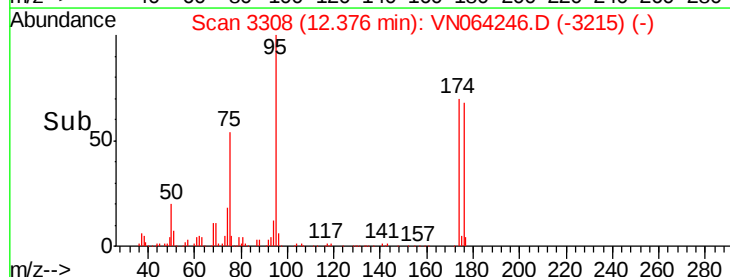
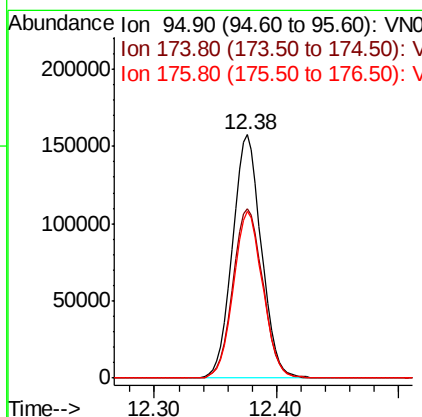
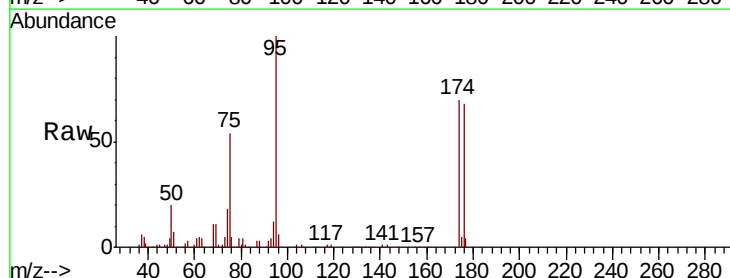
Instrument :
MSVOA_N
ClientSampled :
VB-15242

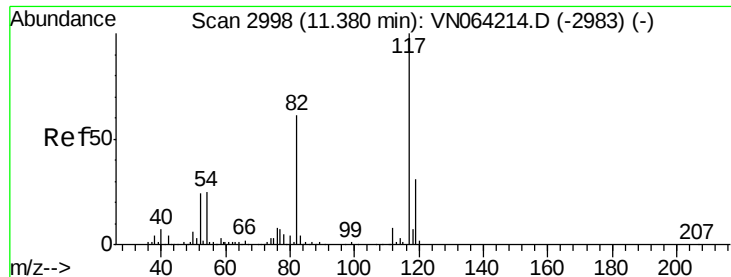
Tot Ion: 43 Resp: 30304
Ion Ratio Lower Upper
43 100
58 21.1 24.8 74.3#



#62
4-Bromofluorobenzene
Concen: 58.571 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Tgt Ion: 95 Resp: 259643
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.4
176 69.3 0.0 139.2

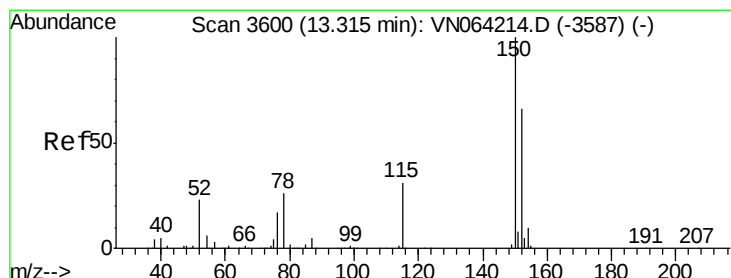
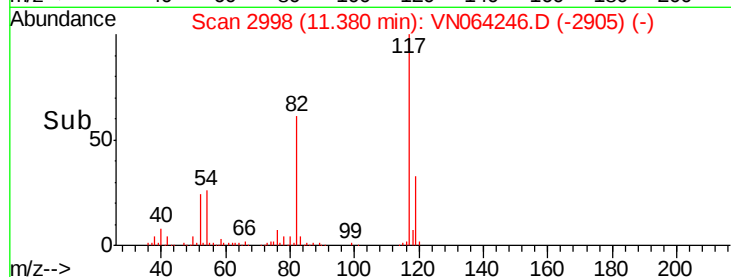
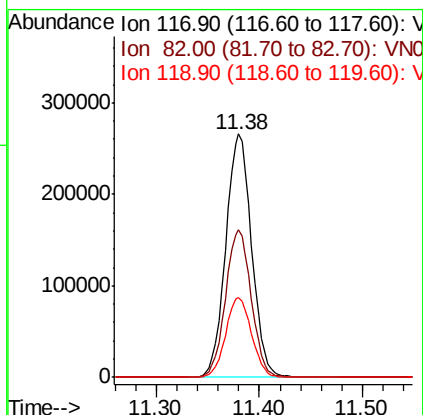
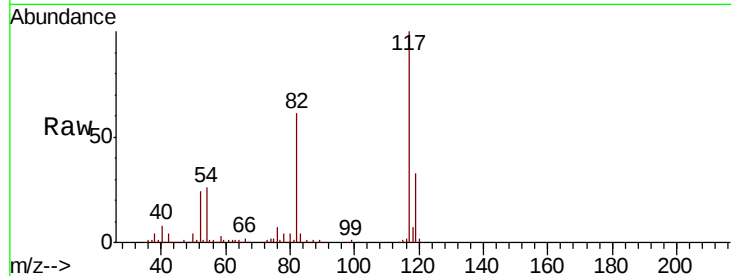




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

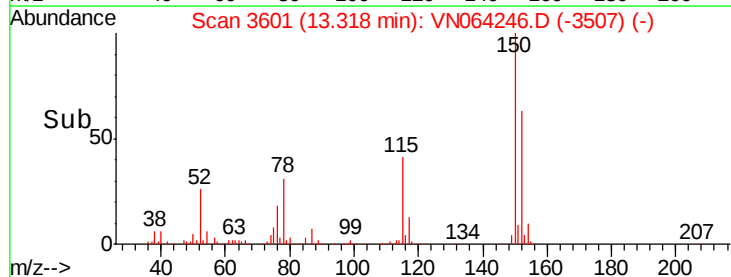
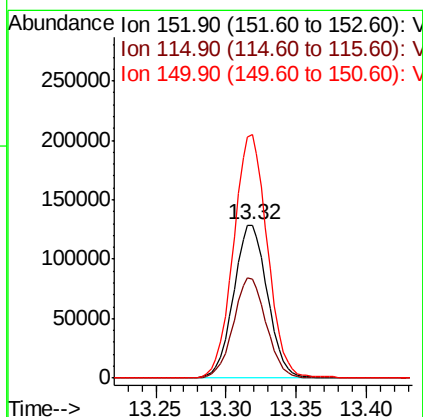
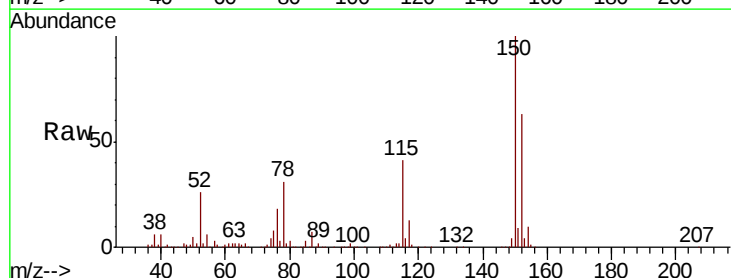
Instrument :
MSVOA_N
ClientSampleId :
VB-15242

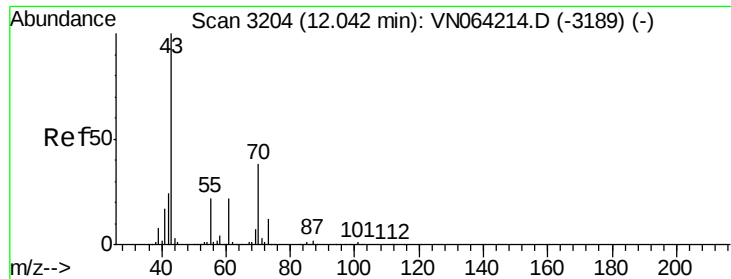
Tot Ion:117 Resp: 464051
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 33.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064246.D
Acq: 22 Oct 2020 4:37

Tgt Ion:152 Resp: 216749
Ion Ratio Lower Upper
152 100
115 63.6 32.0 96.2
150 159.1 0.0 356.6





#74

N-amvl acetate

Concen: 0.534 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

VB-15242

Tot Ion: 43 Resp: 3812

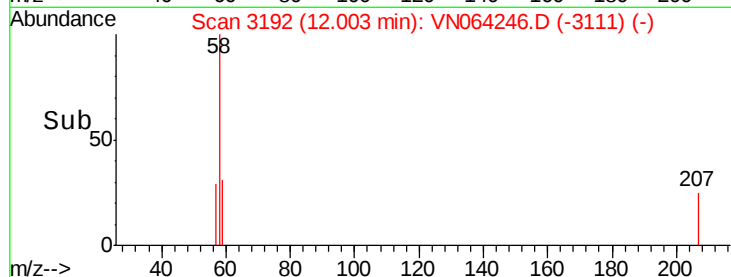
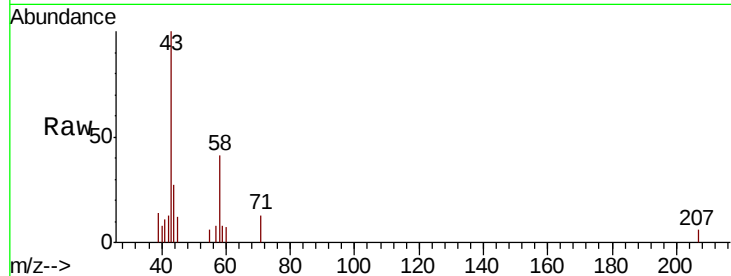
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 4.3 18.0 27.0#

61 0.0 17.4 26.2#

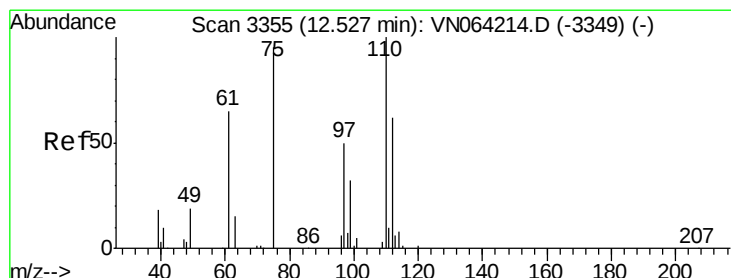
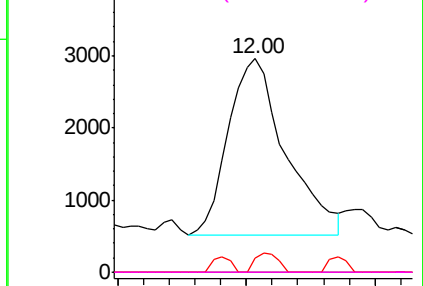


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.349 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064246.D

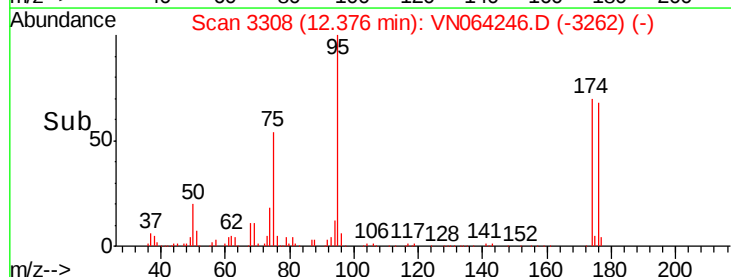
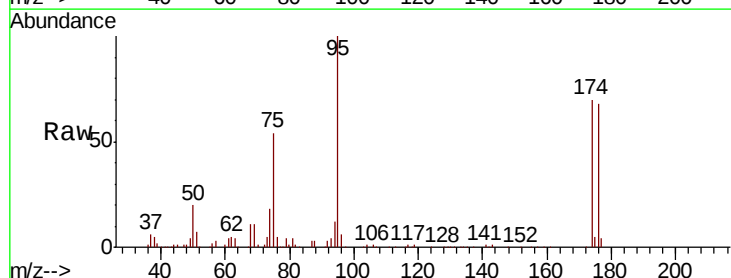
Acq: 22 Oct 2020 4:37

Tgt Ion: 75 Resp: 143246

Ion Ratio Lower Upper

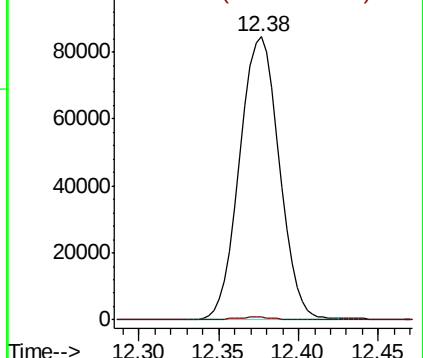
75 100

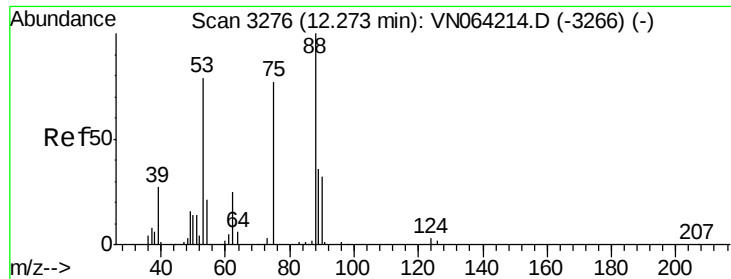
77 0.9 0.0 0.0#



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: 79.147 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064246.D

Acq: 22 Oct 2020 4:37

Instrument :

MSVOA_N

ClientSampleId :

VB-15242

Tot Ion: 75 Resp: 143246

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#

