

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064231.D
 Acq On : 21 Oct 2020 19:07
 Operator : JC/MD
 Sample : L4434-05 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16743

Quant Time: Oct 22 01:50:41 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	7.63	168	249369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	438777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202889	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	194350	52.48	ug/l	0.00
Spiked Amount						
			Recovery	=	104.96%	
35) Dibromofluoromethane	7.55	113	148250	50.82	ug/l	0.00
Spiked Amount						
			Recovery	=	101.64%	
50) Toluene-d8	10.06	98	554741	52.42	ug/l	0.00
Spiked Amount						
			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.38	95	249835	58.24	ug/l	0.00
Spiked Amount						
			Recovery	=	116.48%	

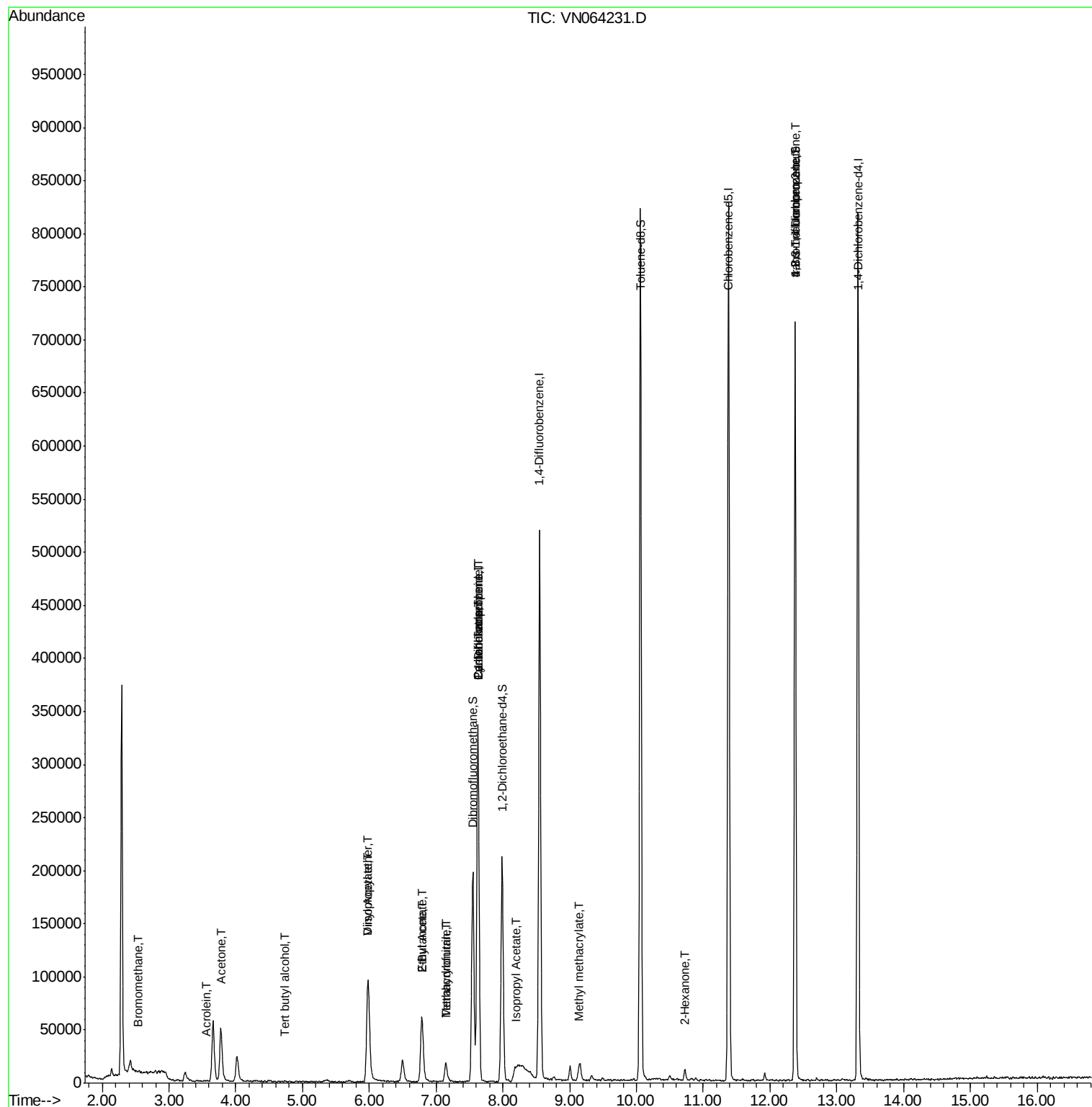
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	373	0.200	ug/l #	28
11) Tert butyl alcohol	4.73	59	121	0.244	ug/l #	70
13) Acrolein	3.57	56	329	1.057	ug/l #	1
16) Acetone	3.78	43	86022	81.183	ug/l	100
22) Diisopropyl ether	5.98	45	8740	1.005	ug/l #	1
23) Vinyl Acetate	5.98	43	21549	2.779	ug/l #	75
25) 2-Butanone	6.79	43	112110	66.594	ug/l	98
29) Tetrahydrofuran	7.15	42	375	0.372	ug/l #	38
31) Cyclohexane	7.63	56	5905	1.345	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	21232	4.854	ug/l #	53
37) Ethyl Acetate	6.79	43	112110	28.227	ug/l #	71
38) Carbon Tetrachloride	7.63	117	28170	5.660	ug/l #	14
41) Methacrylonitrile	7.15	41	3840	1.843	ug/l #	35
43) Isopropyl Acetate	8.19	43	12540	1.694	ug/l #	57
48) Methyl methacrylate	9.13	41	3787	0.979	ug/l #	43
59) 2-Hexanone	10.73	43	7387	2.557	ug/l	91
76) 1,2,3-Trichloropropane	12.38	75	135478	31.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	135478	79.968	ug/l #	9

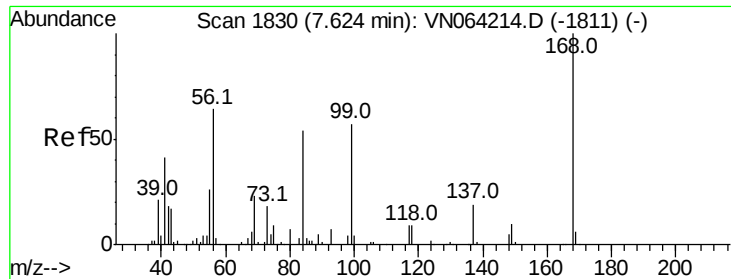
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

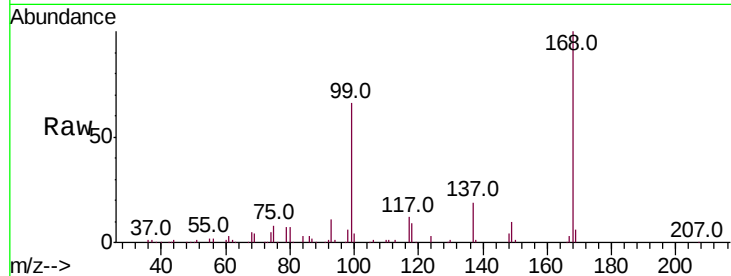
16743

Tot Ion:168 Resp: 249369

Ion Ratio Lower Upper

168 100

99 66.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064231.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064231.D (-1737) (-)

7.63

120000

100000

80000

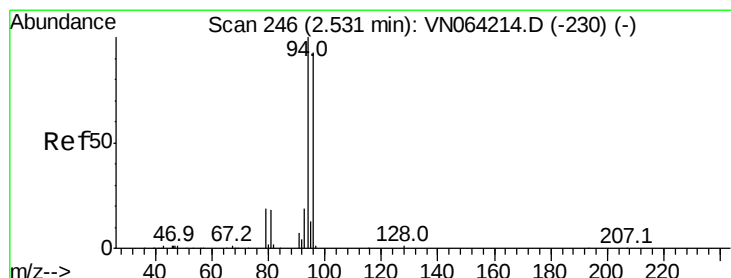
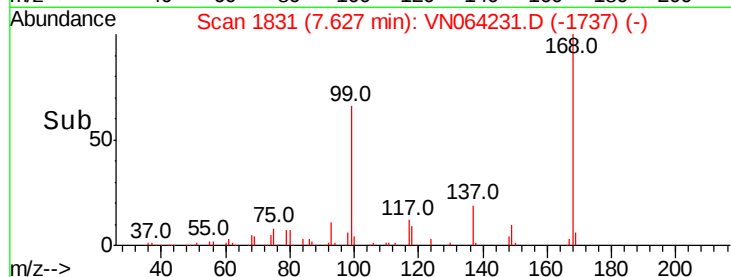
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.200 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064231.D

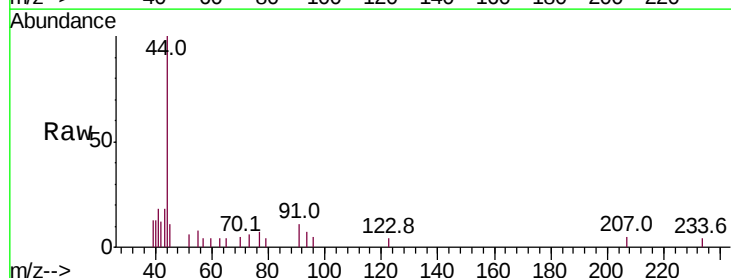
Acq: 21 Oct 2020 19:07

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

94 100

96 23.8 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VN064231.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064231.D (-153) (-)

500

400

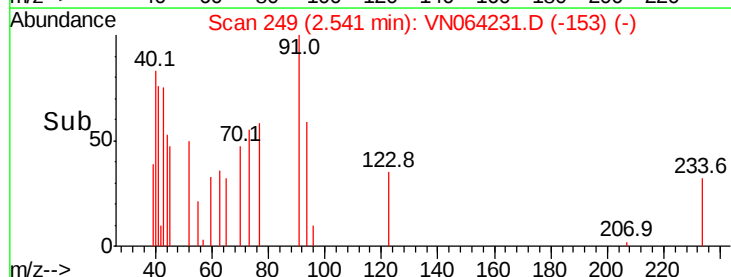
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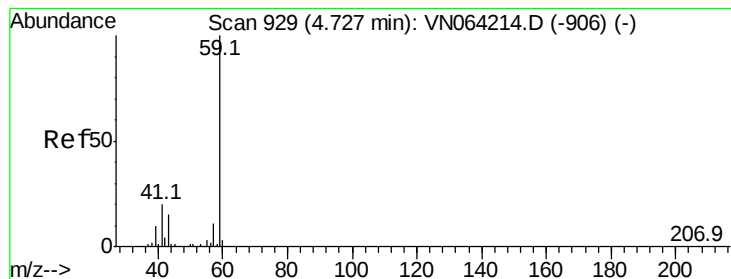
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 0.244 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

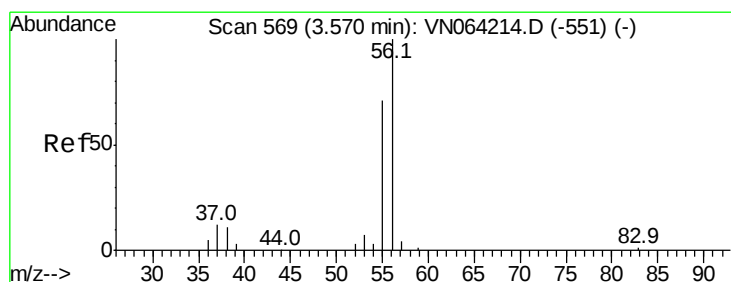
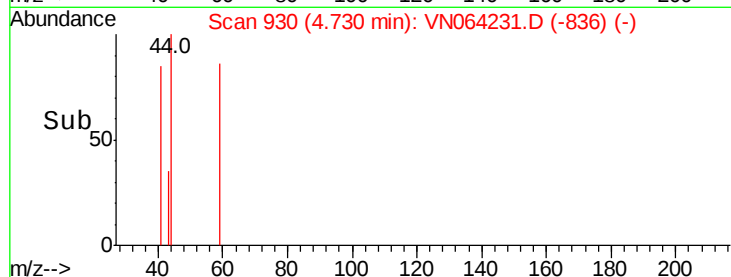
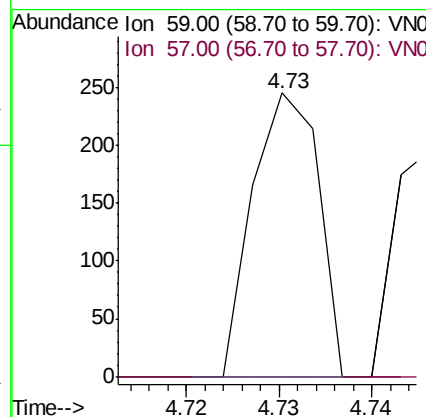
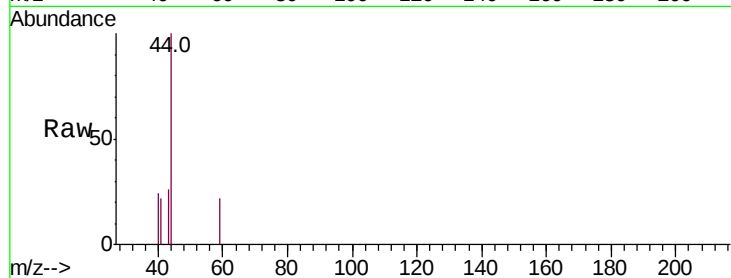
16743

Tot Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



#13

Acrolein

Concen: 1.057 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064231.D

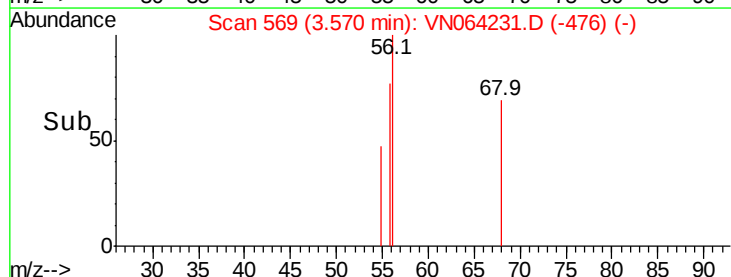
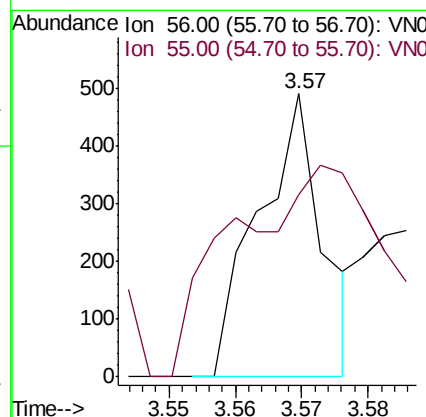
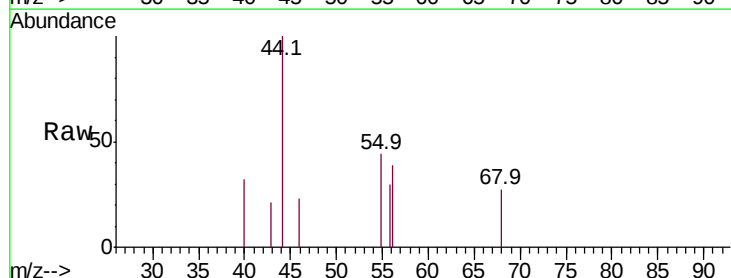
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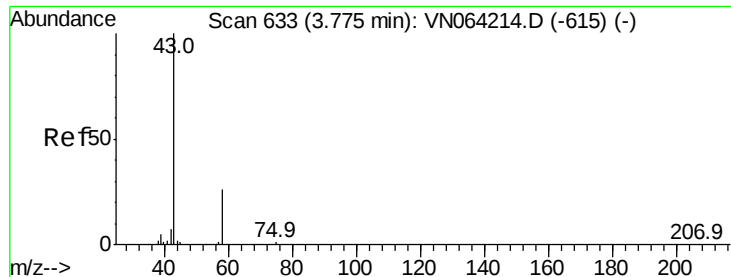
Tgt Ion: 56 Resp: 329

Ion Ratio Lower Upper

56 100

55 169.9 56.1 84.1#





#16

Acetone

Concen: 81.183 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

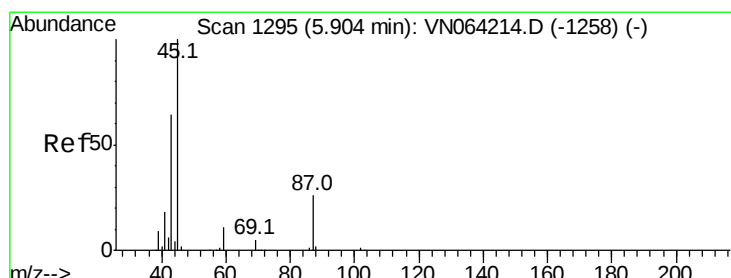
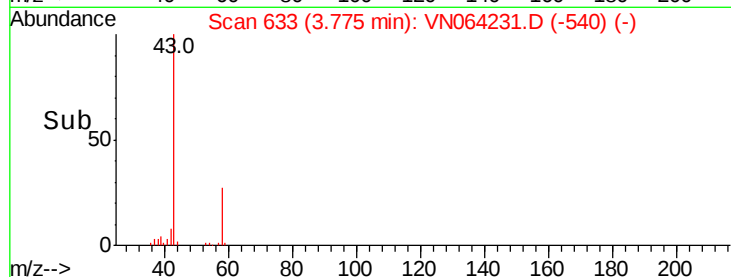
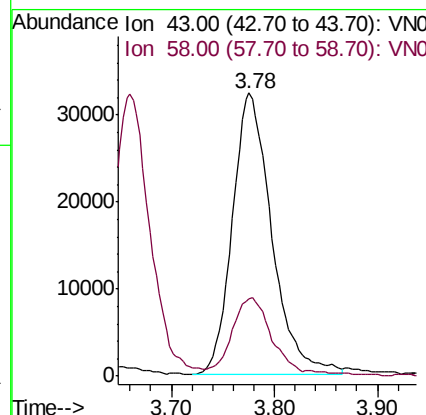
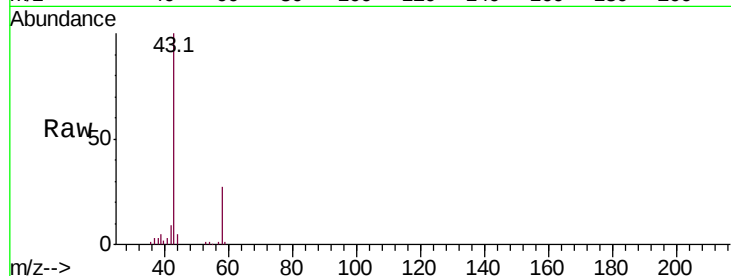
16743

Tot Ion: 43 Resp: 86022

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.4



#22

Diisopropyl ether

Concen: 1.005 ug/l

RT: 5.98 min Scan# 1318

Delta R.T. 0.07 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Tgt Ion: 45 Resp: 8740

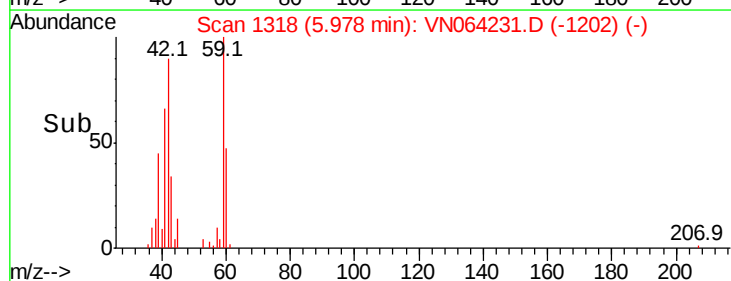
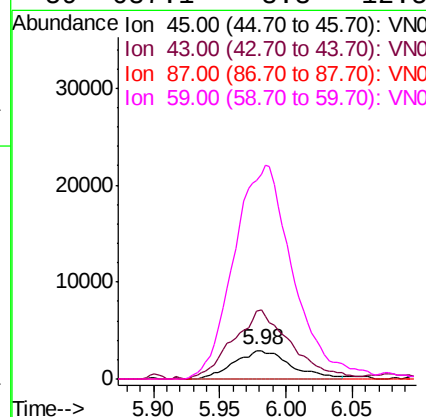
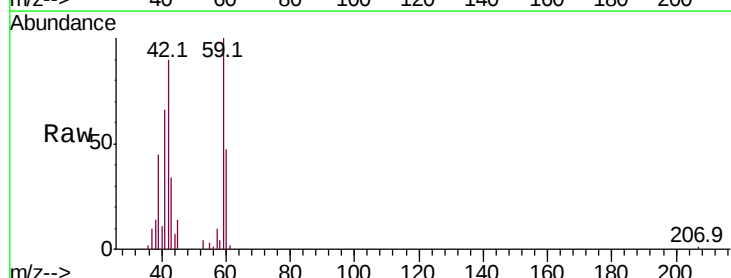
Ion Ratio Lower Upper

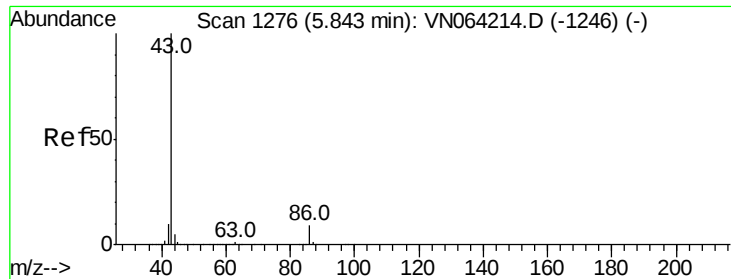
45 100

43 230.3 52.2 78.4#

87 0.0 21.4 32.0#

59 687.1 8.3 12.5#

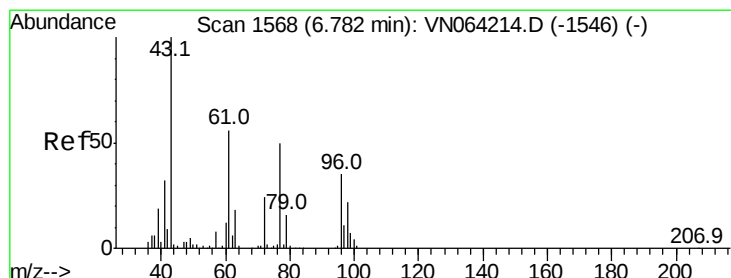
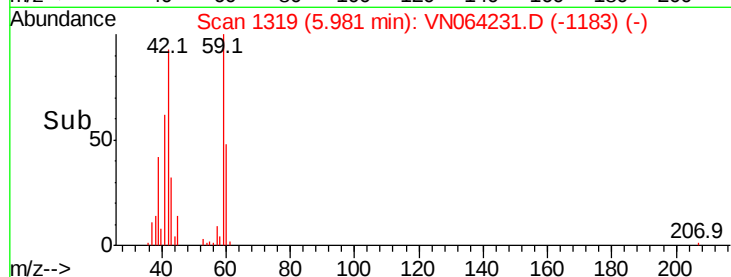
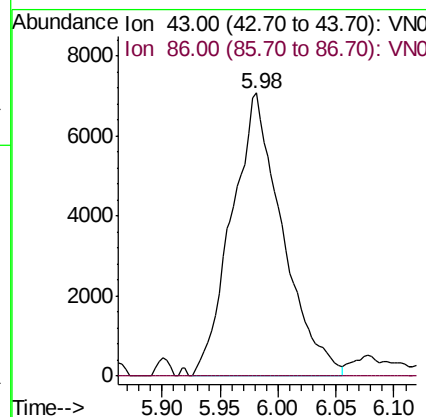
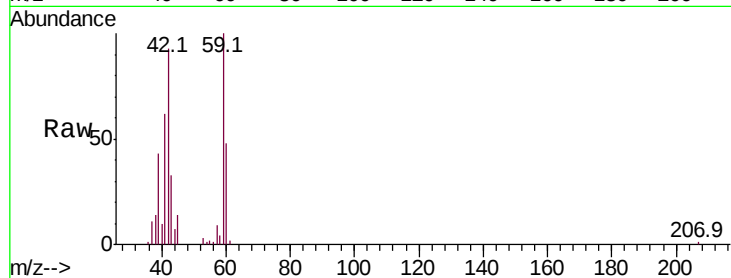




#23
 Vinyl Acetate
 Concen: 2.779 ug/l
 RT: 5.98 min Scan# 1319
 Delta R.T. 0.14 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

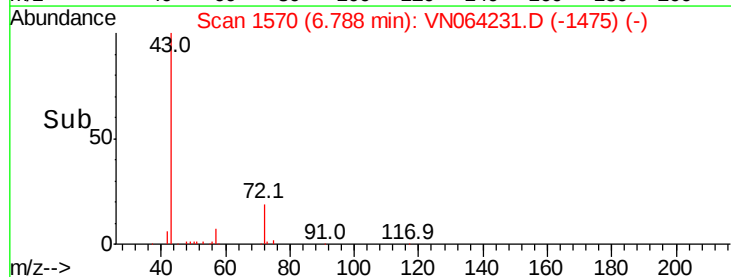
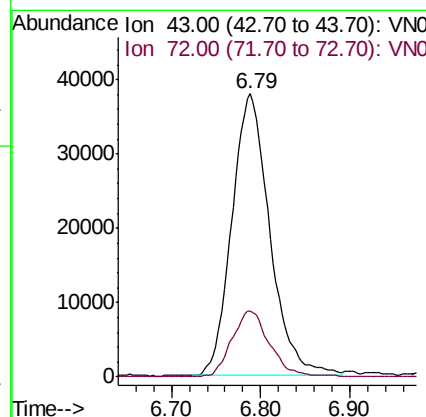
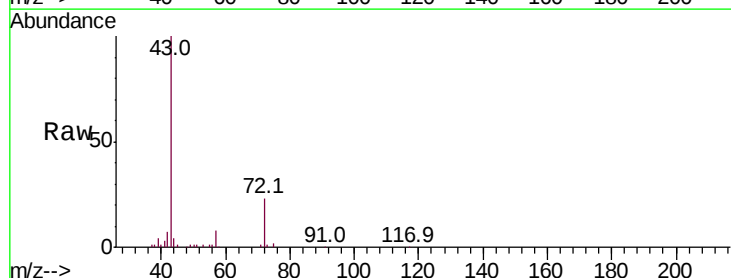
Instrument :
 MSVOA_N
 ClientSampleId :
 16743

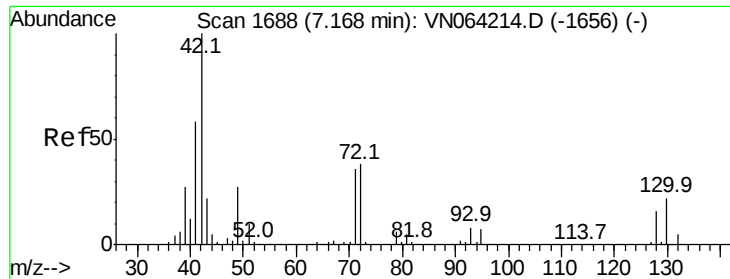
Tot Ion: 43 Resp: 21549
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.4 11.0#



#25
 2-Butanone
 Concen: 66.594 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

Tgt Ion: 43 Resp: 112110
 Ion Ratio Lower Upper
 43 100
 72 23.3 19.4 29.0

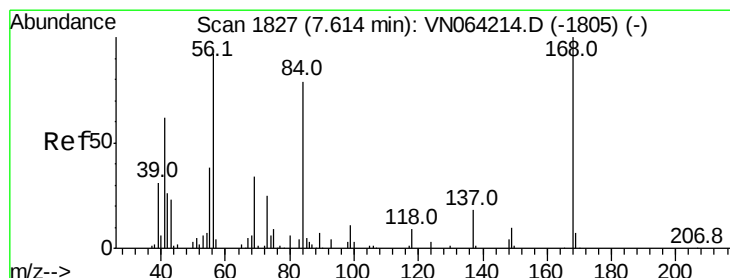
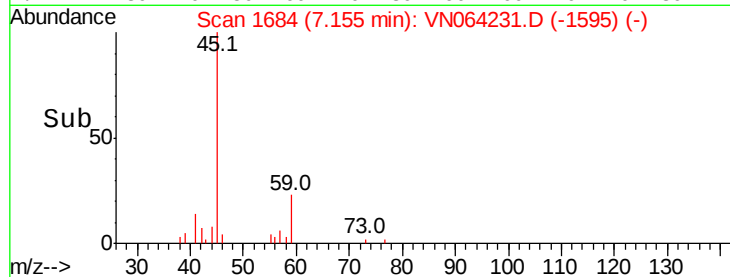
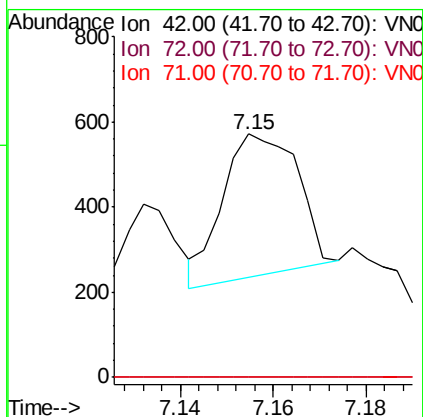
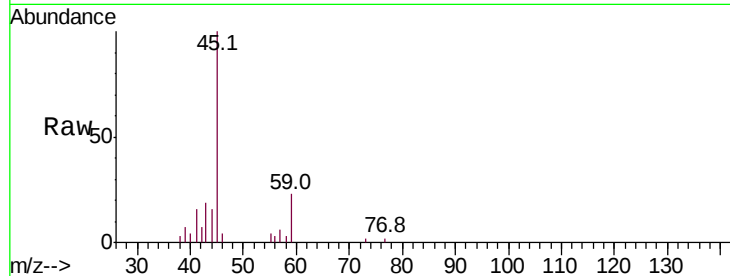




#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

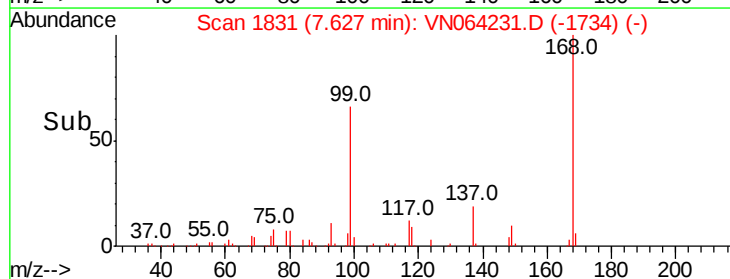
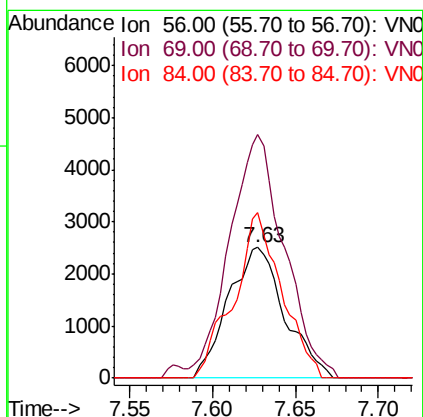
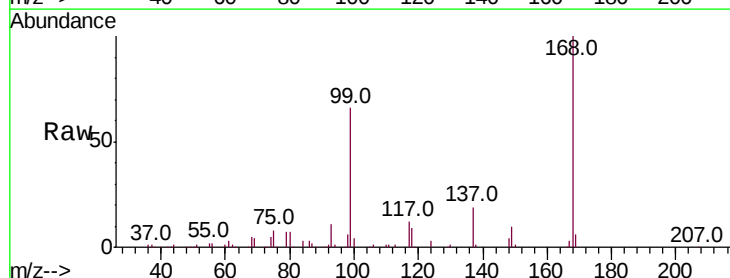
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MSVOA_N
ClientSampleId :
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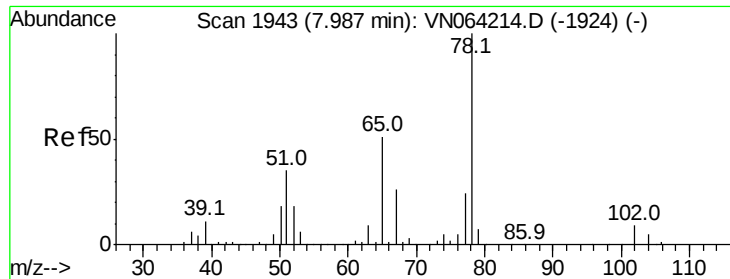
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	29.0	43.6#



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	186.0	29.8	44.6#
84	126.0	68.1	102.1#

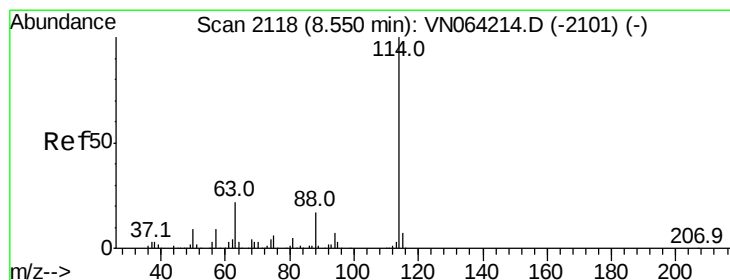
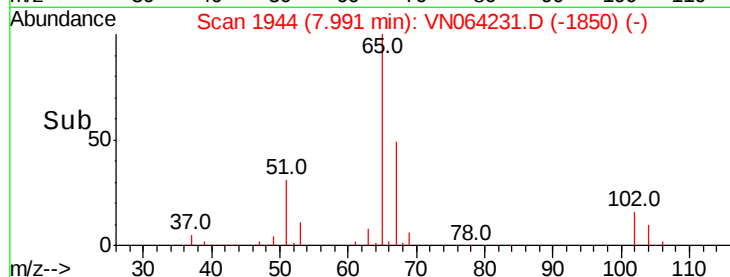
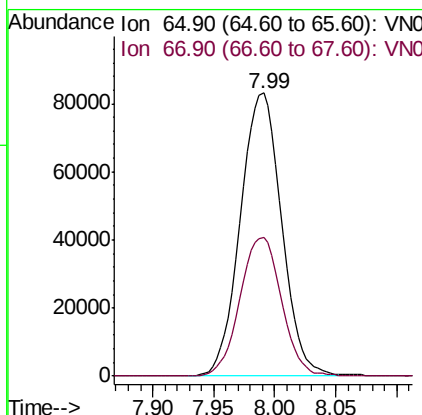
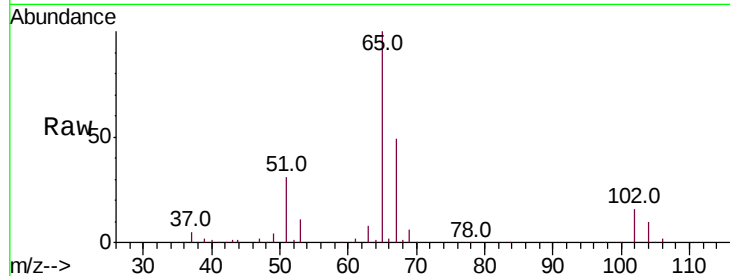




#33
 1,2-Dichloroethane-d4
 Concen: 52.480 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

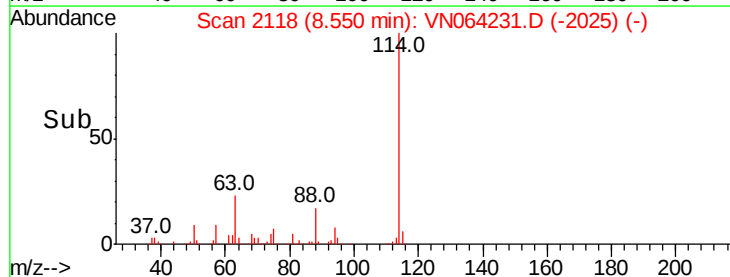
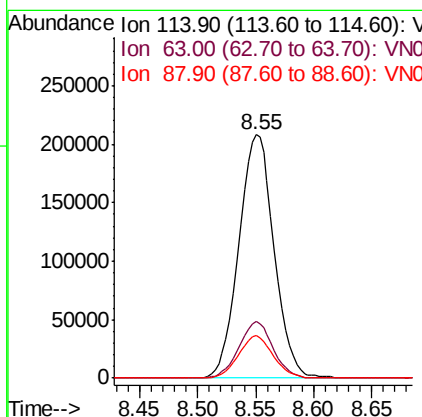
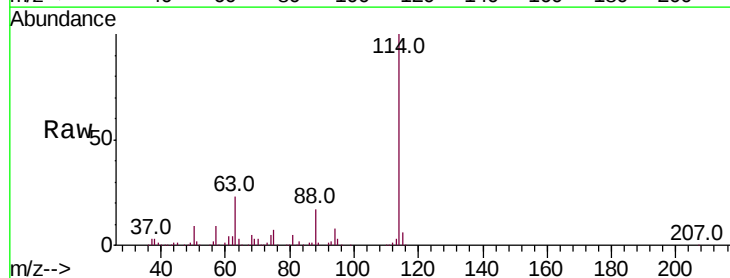
Instrument :
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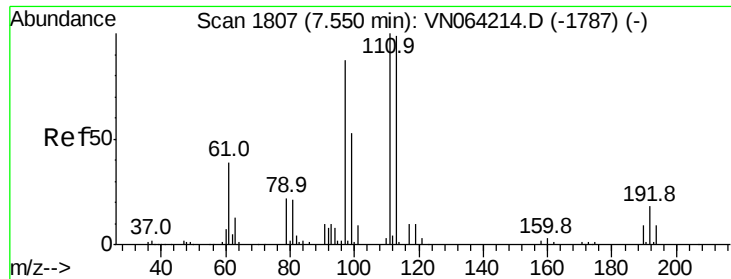
Tot Ion: 65 Resp: 194350
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

Tgt Ion: 114 Resp: 438777
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.0
 88 17.3 0.0 34.2

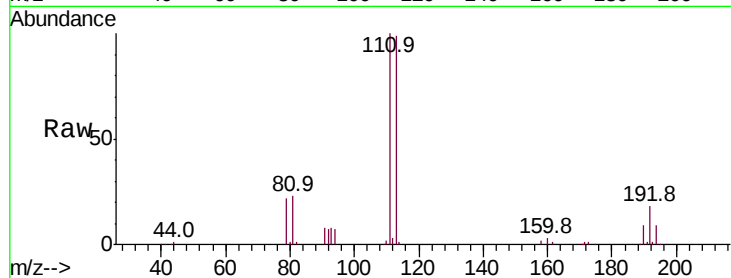




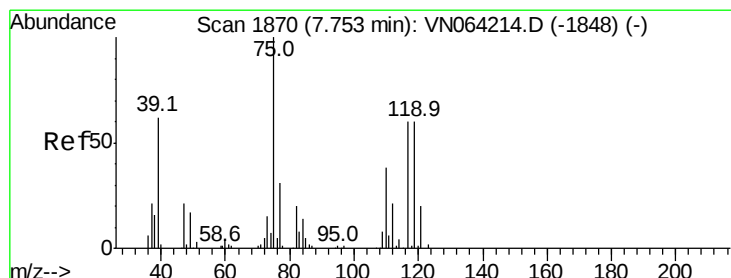
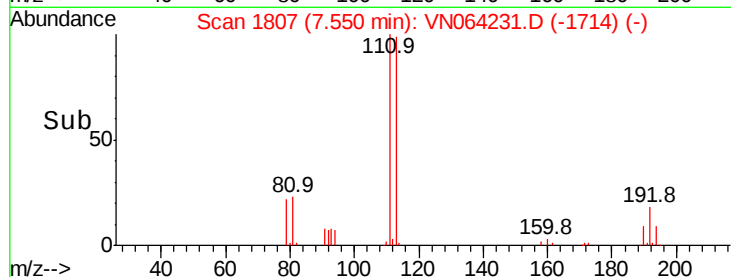
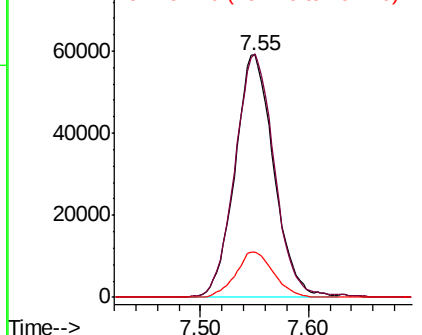
#35
 Dibromofluoromethane
 Concen: 50.819 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 16743

Tot Ion:113 Resp: 148250
 Ion Ratio Lower Upper
 113 100
 111 101.2 84.2 126.2
 192 18.3 15.2 22.8

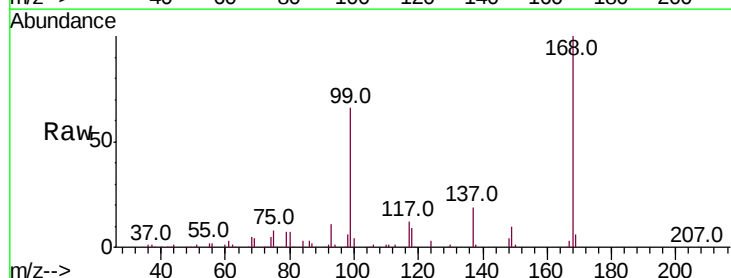


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

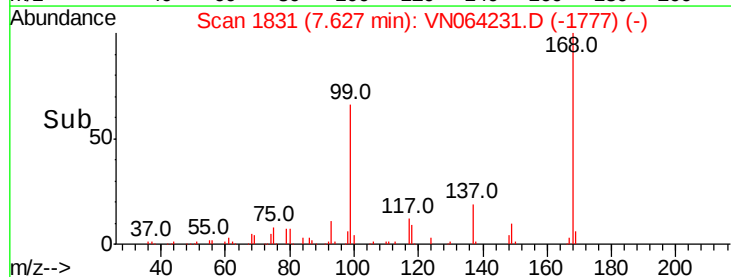
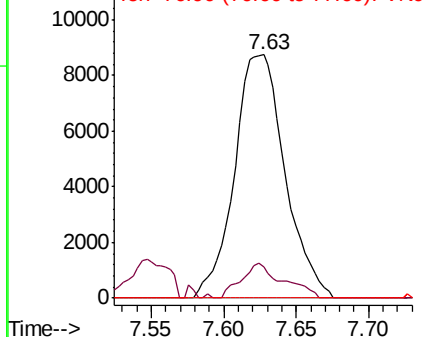


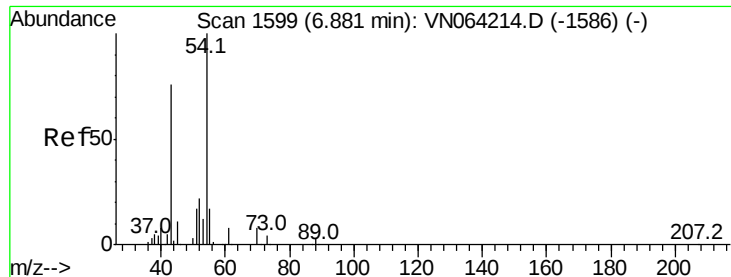
#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064231.D
 Acq: 21 Oct 2020 19:07

Tgt Ion: 75 Resp: 21232
 Ion Ratio Lower Upper
 75 100
 110 11.8 17.2 51.6#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

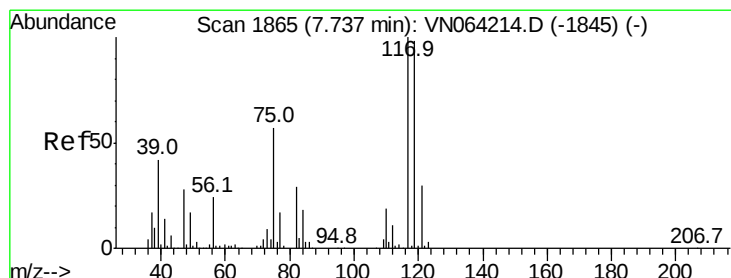
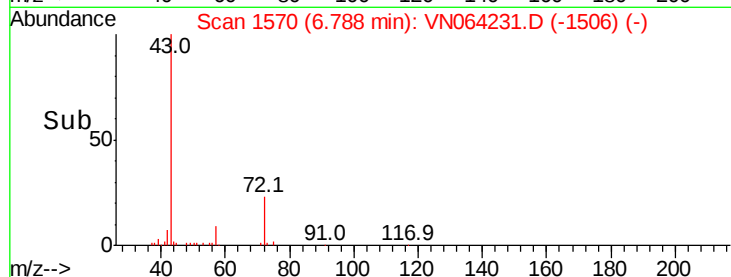
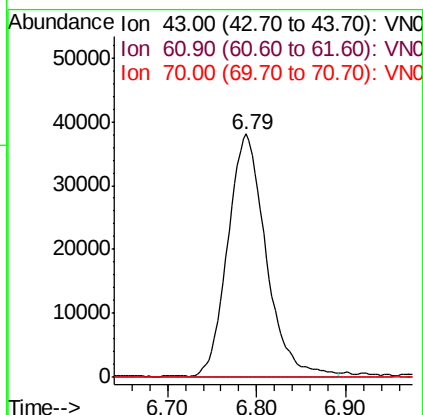
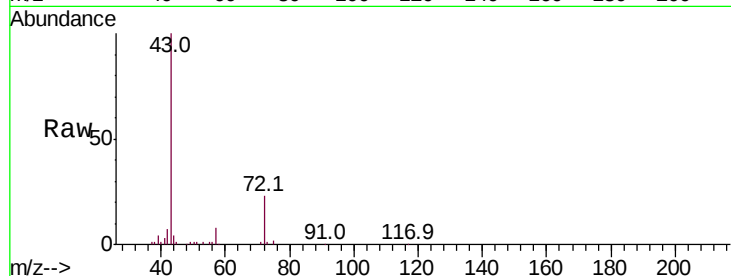




#37
Ethyl Acetate
Concen: 28.227 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.09 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

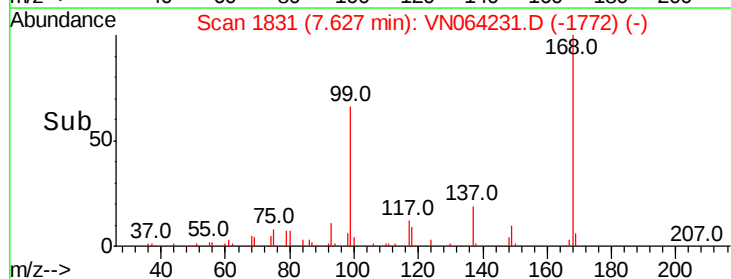
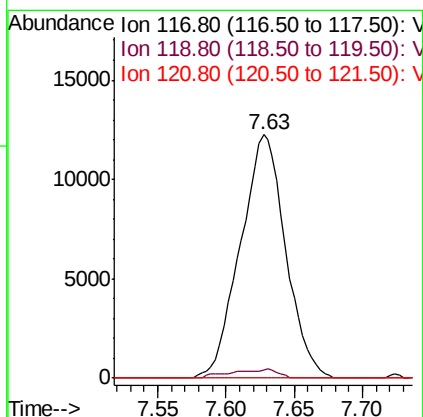
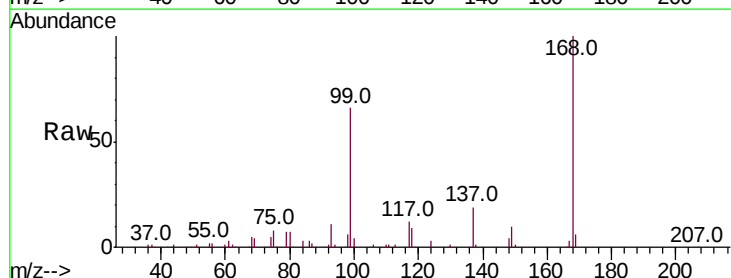
Instrument :
MSVOA_N
ClientSampleId :
16743

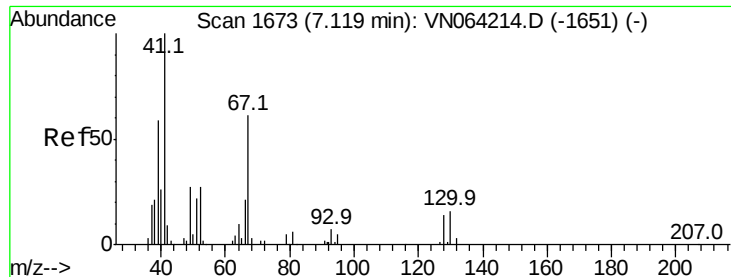
Tot Ion: 43 Resp: 112110
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

Tgt Ion: 117 Resp: 28170
Ion Ratio Lower Upper
117 100
119 3.3 78.5 117.7#
121 0.0 24.3 36.5#





#41

Methacrylonitrile

Concen: 1.843 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.03 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

16743

Tot Ion: 41 Resp: 3840

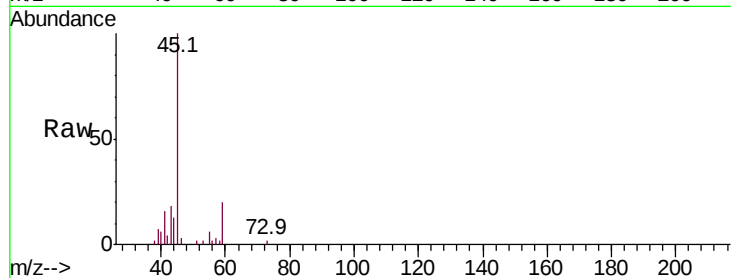
Ion Ratio Lower Upper

41 100

39 36.2 50.5 75.7#

67 0.0 63.2 94.8#

52 0.0 29.3 43.9#

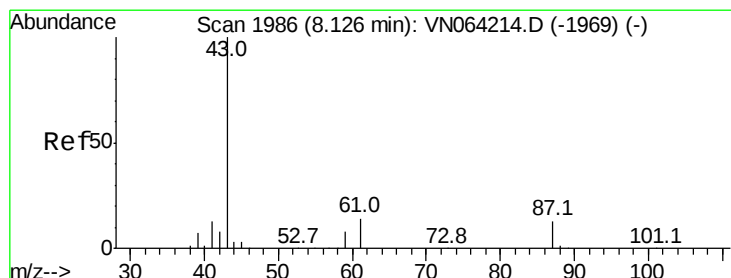
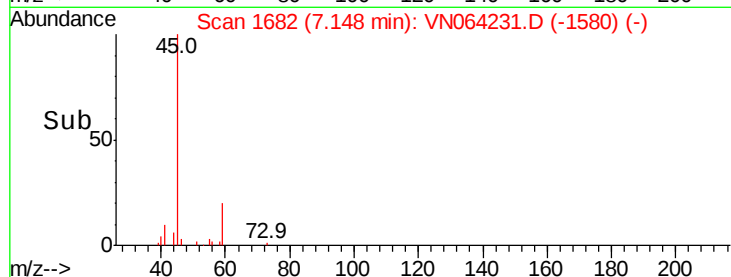
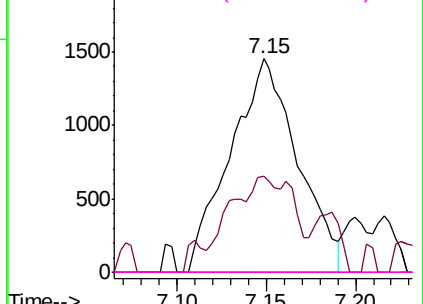


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#43

Isopropyl Acetate

Concen: 1.694 ug/l

RT: 8.19 min Scan# 2007

Delta R.T. 0.07 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

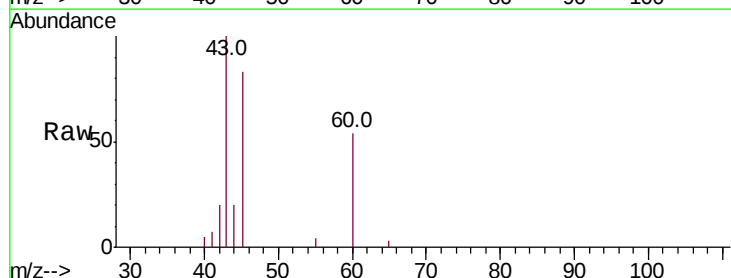
Tgt Ion: 43 Resp: 12540

Ion Ratio Lower Upper

43 100

61 0.0 19.6 29.4#

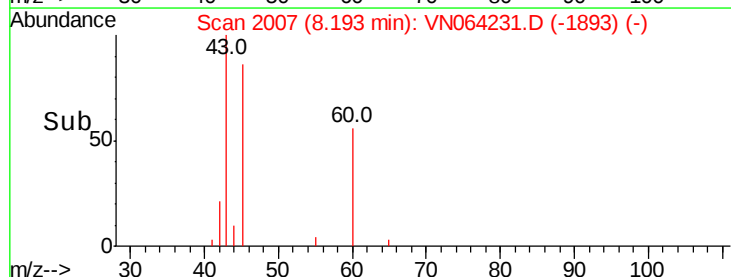
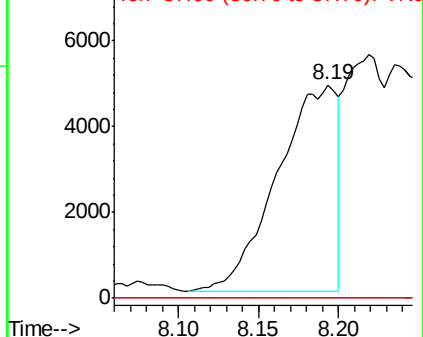
87 0.0 9.8 14.6#

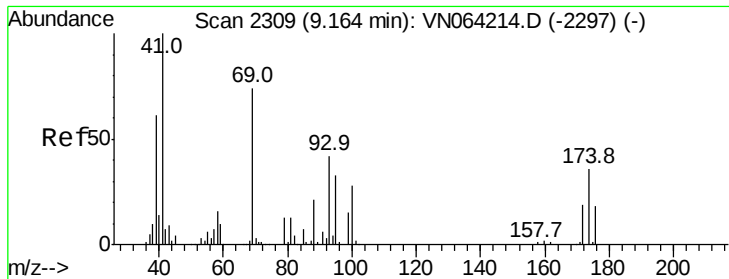


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#48

Methyl methacrylate

Concen: 0.979 ug/l

RT: 9.13 min Scan# 2298

Delta R.T. -0.04 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

16743

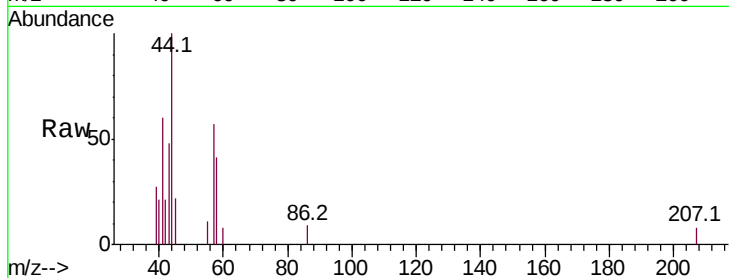
Tot Ion: 41 Resp: 3787

Ion Ratio Lower Upper

41 100

69 0.0 57.3 85.9#

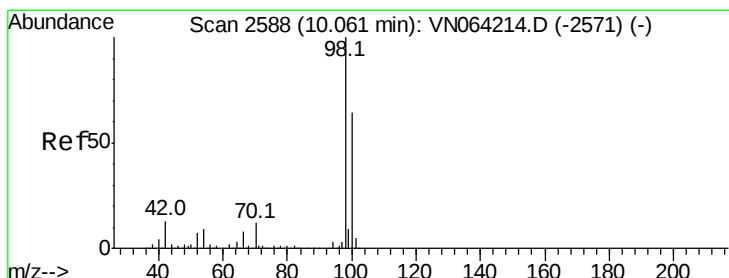
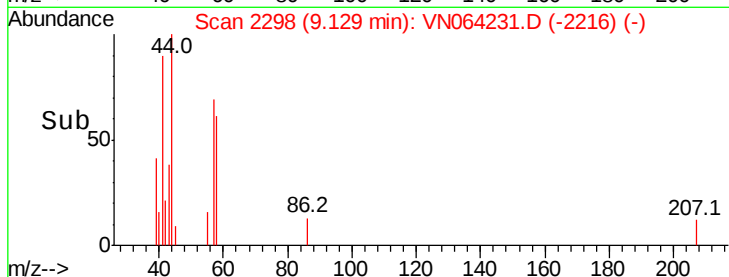
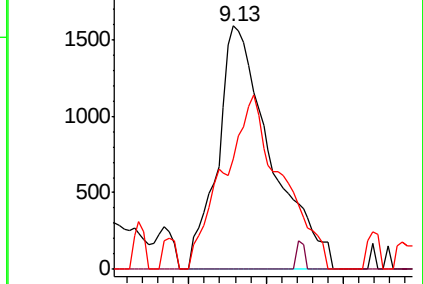
39 78.1 48.6 73.0#



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: 52.422 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064231.D

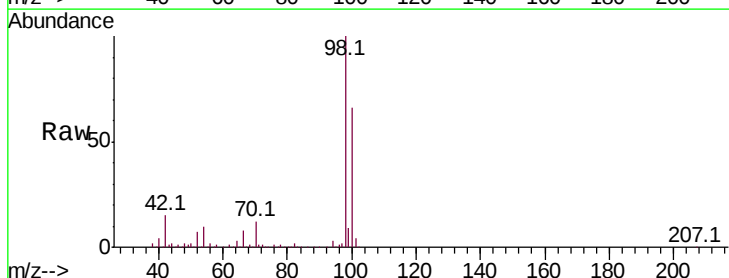
Acq: 21 Oct 2020 19:07

Tgt Ion: 98 Resp: 554741

Ion Ratio Lower Upper

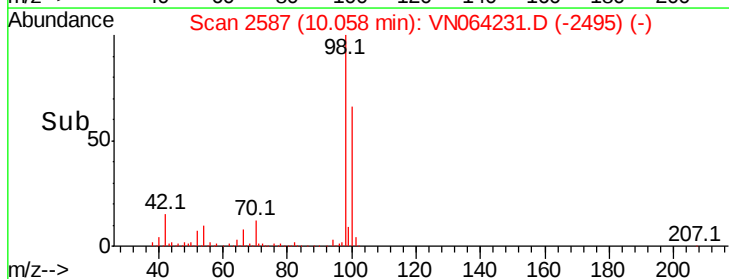
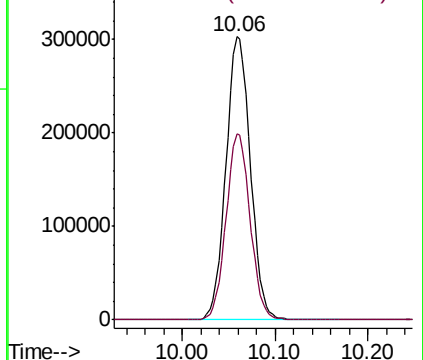
98 100

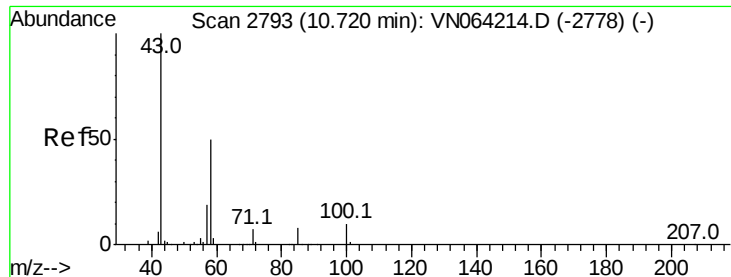
100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 2.557 ug/l

RT: 10.73 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampled :

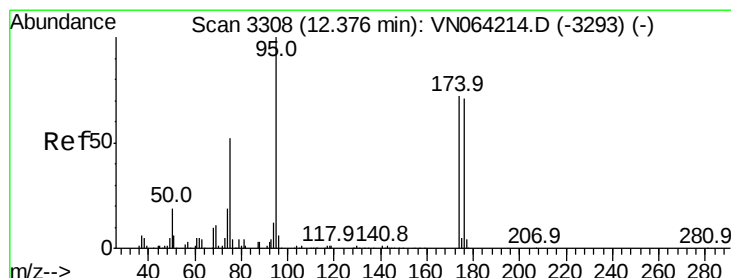
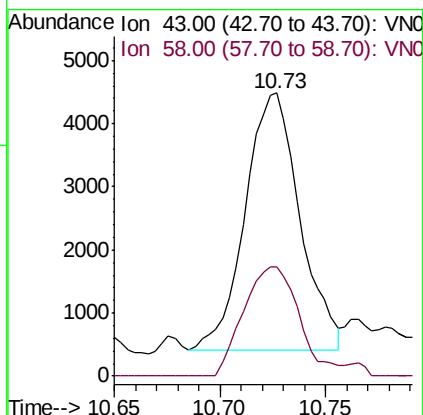
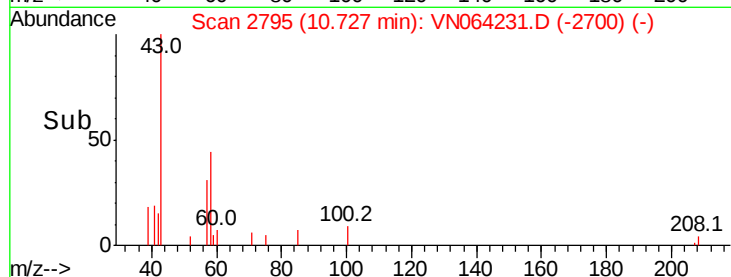
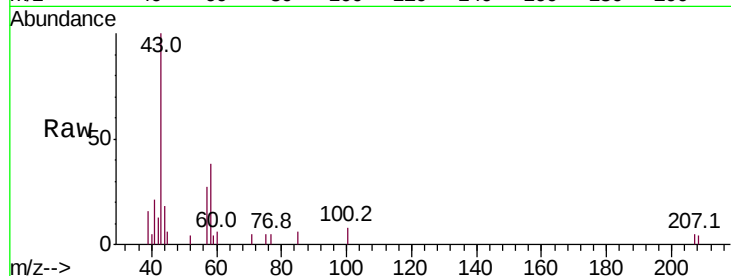
16743

Tot Ion: 43 Resp: 7387

Ion Ratio Lower Upper

43 100

58 43.3 24.8 74.3



#62

4-Bromofluorobenzene

Concen: 58.238 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

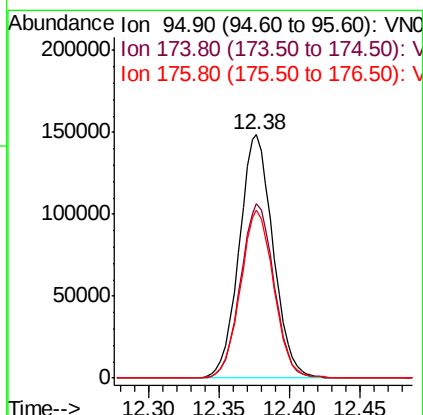
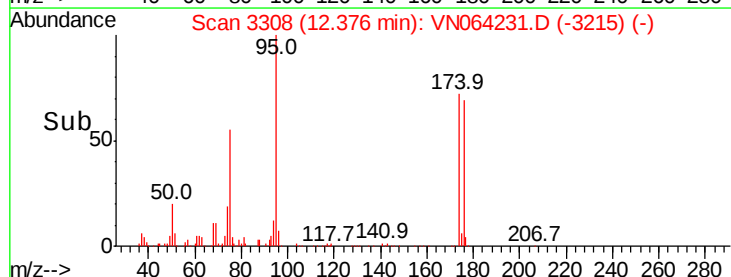
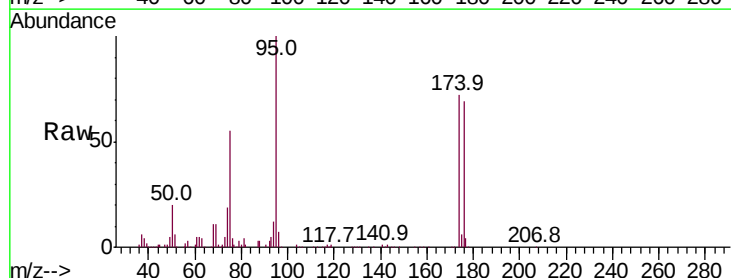
Tgt Ion: 95 Resp: 249835

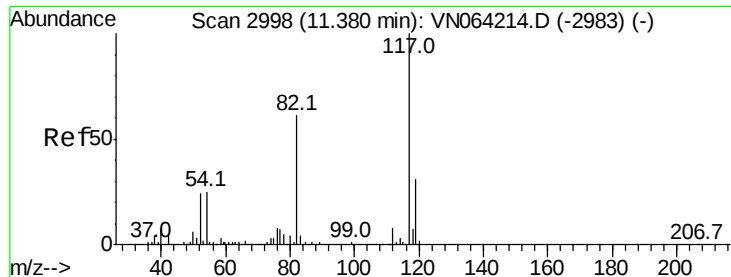
Ion Ratio Lower Upper

95 100

174 71.3 0.0 144.4

176 68.2 0.0 139.2

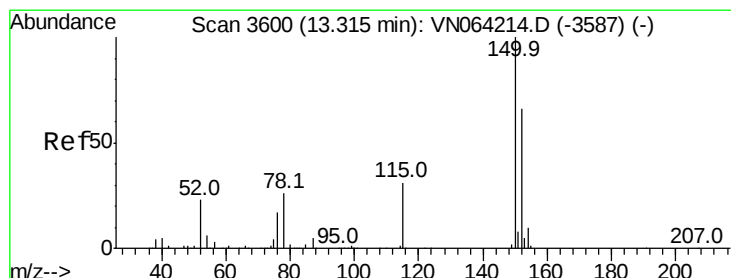
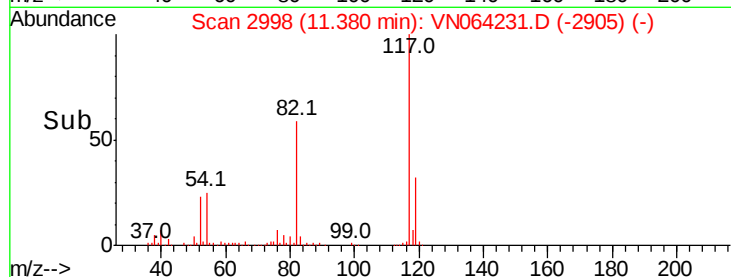
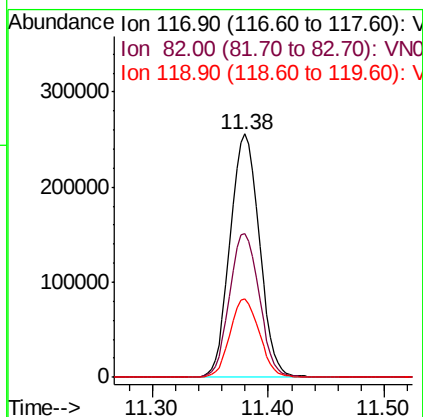
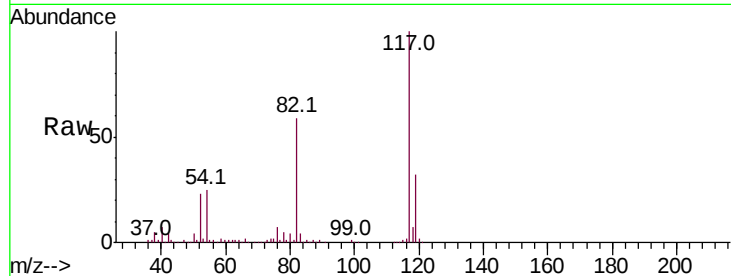




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

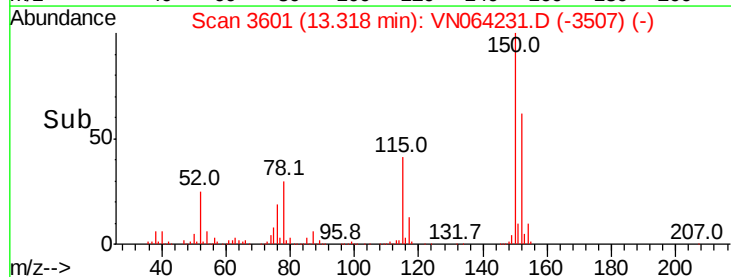
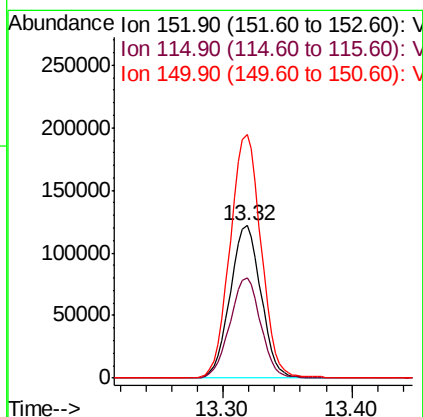
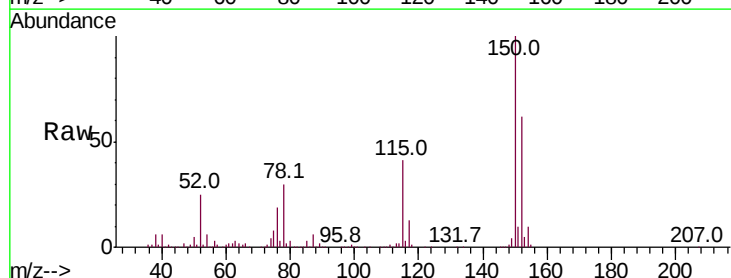
Instrument :
MSVOA_N
ClientSampleId :
16743

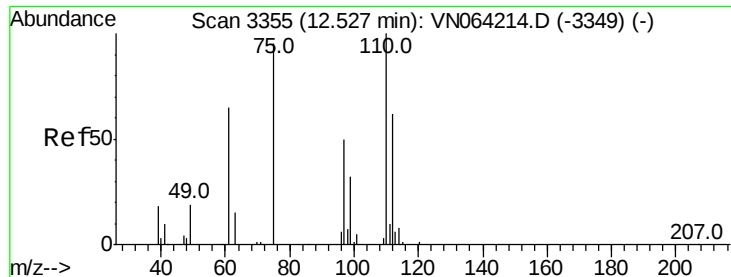
Tot Ion:117 Resp: 448019
Ion Ratio Lower Upper
117 100
82 59.0 48.8 73.2
119 32.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064231.D
Acq: 21 Oct 2020 19:07

Tgt Ion:152 Resp: 202889
Ion Ratio Lower Upper
152 100
115 65.2 32.0 96.2
150 160.6 0.0 356.6





#76

1,2,3-Trichloropropane

Concen: 31.674 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

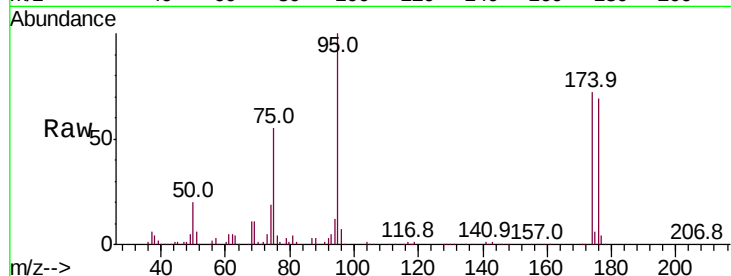
16743

Tot Ion: 75 Resp: 135478

Ion Ratio Lower Upper

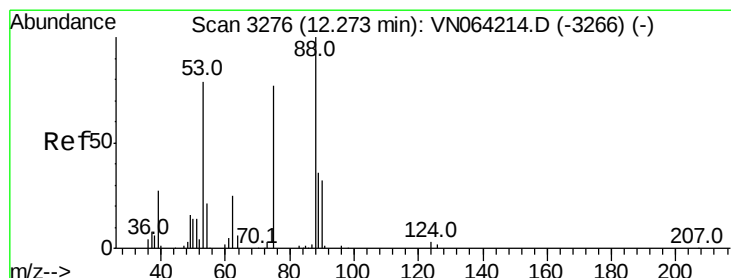
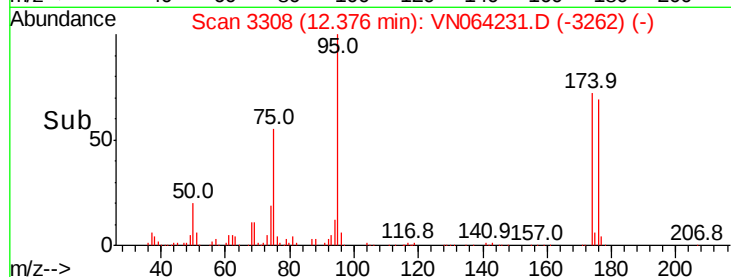
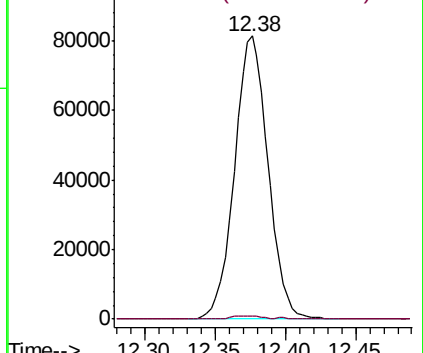
75 100

77 1.0 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: 79.968 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064231.D

Acq: 21 Oct 2020 19:07

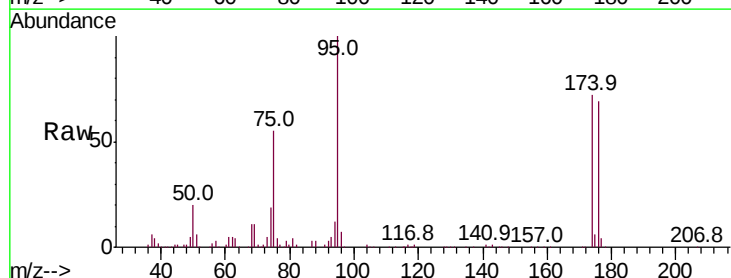
Tgt Ion: 75 Resp: 135478

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

