

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063773.D
 Acq On : 1 Oct 2020 15:46
 Operator : JC/MD
 Sample : L4190-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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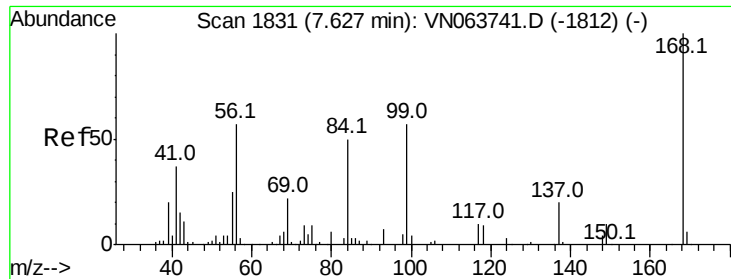
Quant Time: Oct 02 02:14:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171334	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	185417	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	7.55	113	135216	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	10.06	98	509979	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.38	95	202094	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	503	0.451	ug/l #	47
17) Carbon Disulfide	4.02	76	184	0.731	ug/l #	76
20) Methylene Chloride	4.50	84	548	0.312	ug/l #	77
25) 2-Butanone	6.76	43	775	0.490	ug/l #	51
31) Cyclohexane	7.63	56	6497	1.544	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	19912	4.911	ug/l #	52
38) Carbon Tetrachloride	7.62	117	24463	5.381	ug/l #	14
74) N-amyl acetate	12.07	43	167	2.243	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116148	30.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116148	88.572	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063773.D

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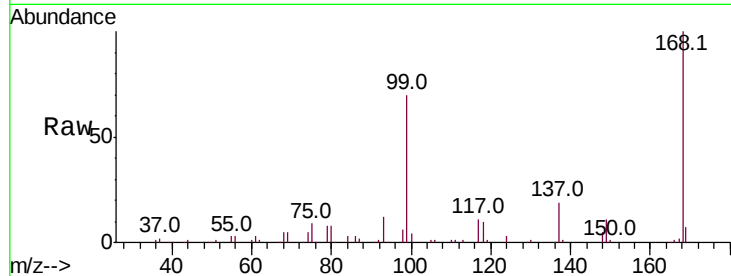
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Tot Ion:168 Resp: 219397

Ion Ratio Lower Upper

168 100

99 69.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

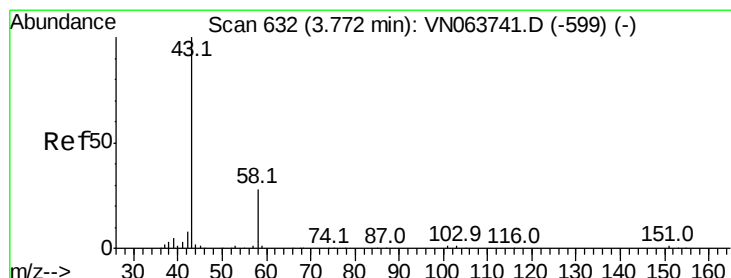
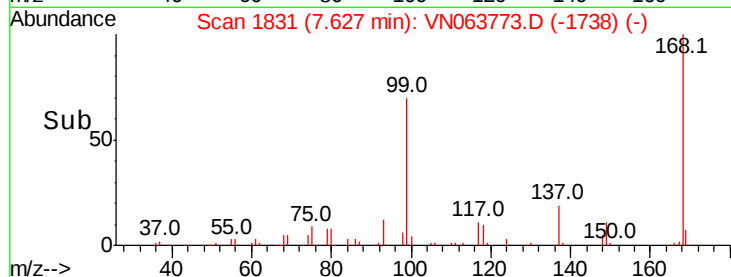
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.451 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063773.D

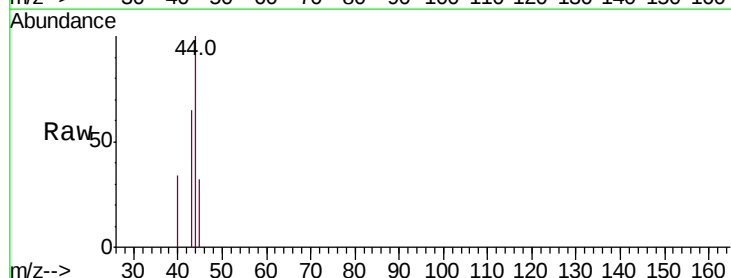
Acq: 1 Oct 2020 15:46

Tgt Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

400

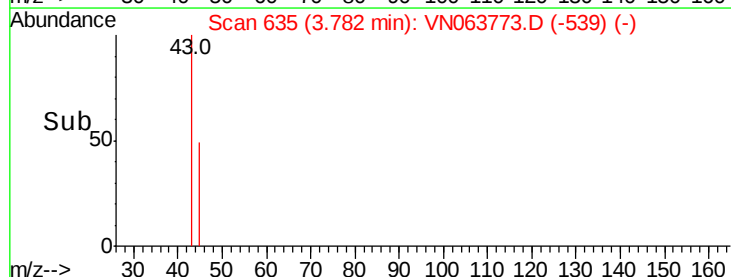
300

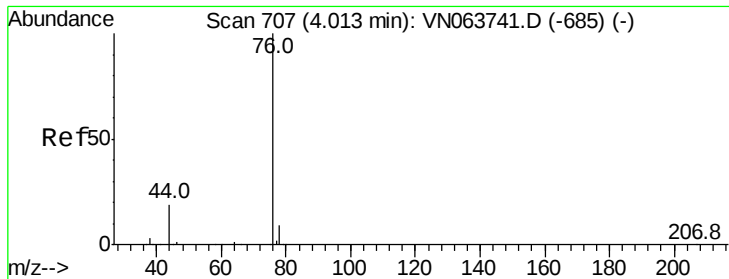
200

100

0

Time--> 3.76 3.78 3.80





#17

Carbon Disulfide

Concen: 0.731 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

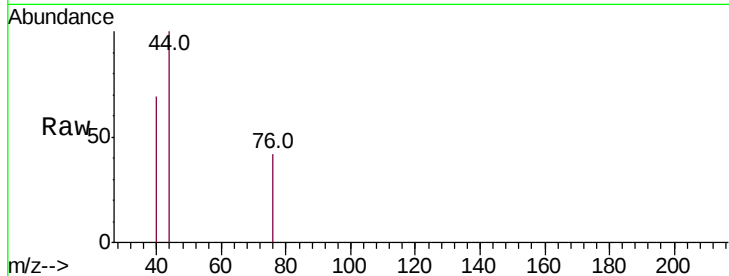
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Tot Ion: 76 Resp: 184

Ion Ratio Lower Upper

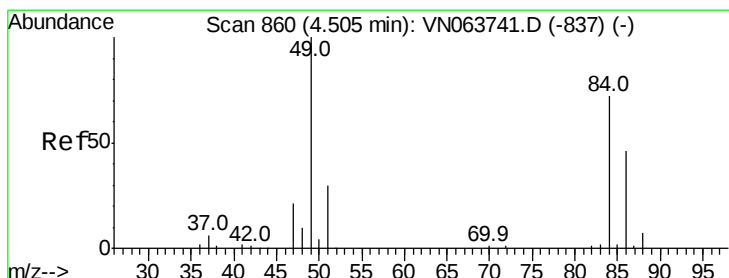
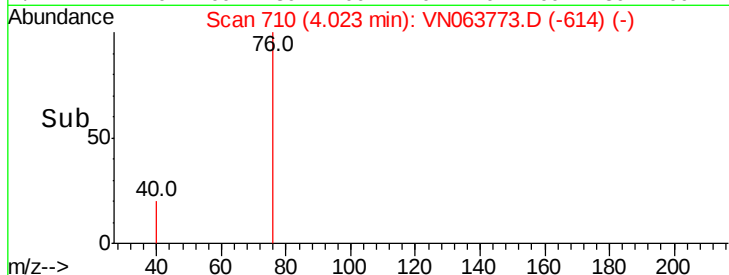
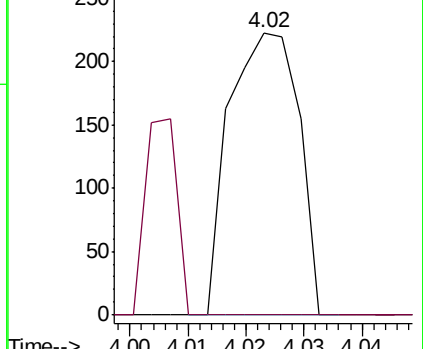
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#20

Methylene Chloride

Concen: 0.312 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Tgt Ion: 84 Resp: 548

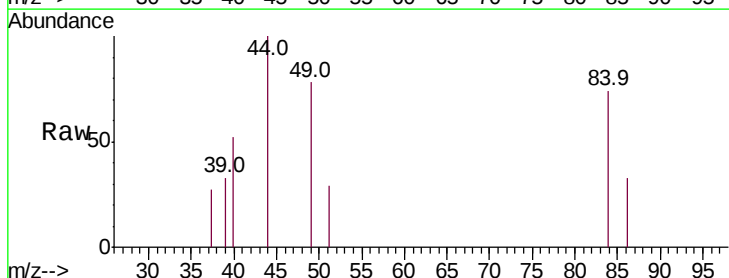
Ion Ratio Lower Upper

84 100

49 104.7 110.4 165.6#

51 38.7 33.3 49.9

86 45.0 50.7 76.1#

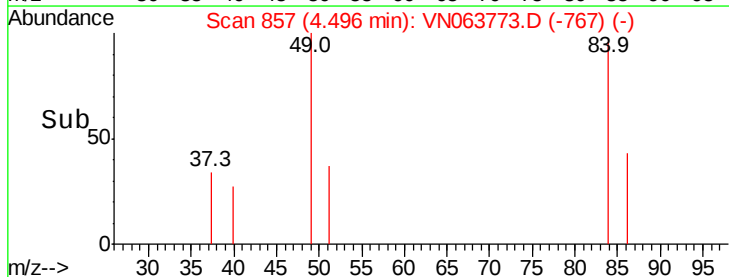
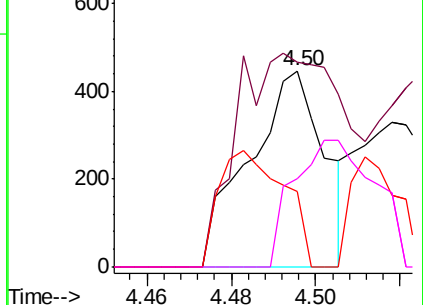


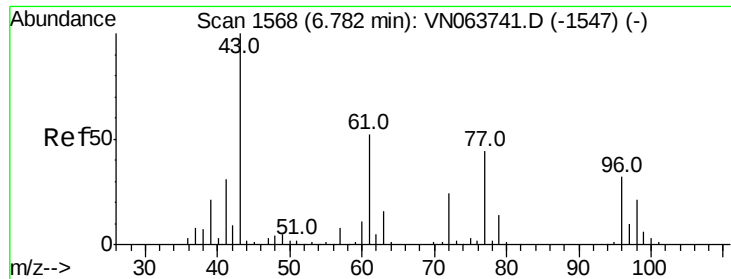
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

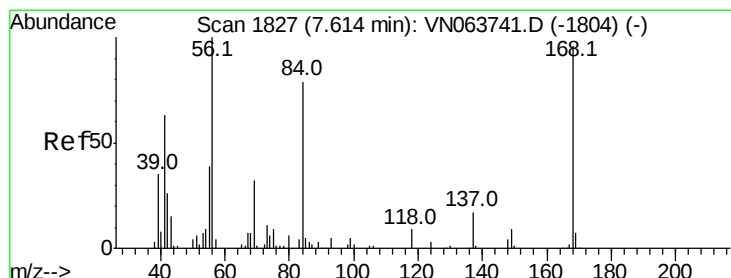
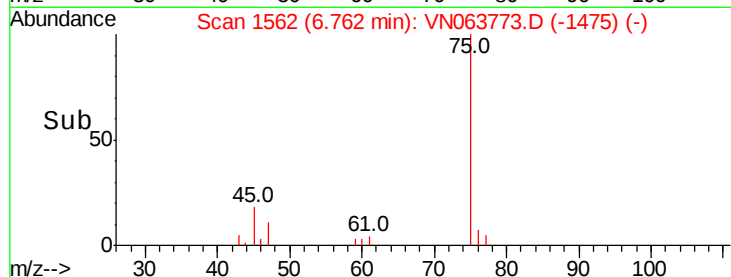
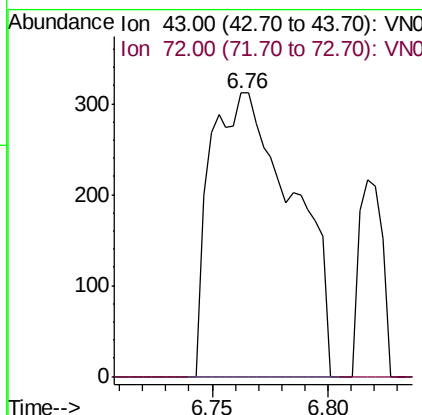
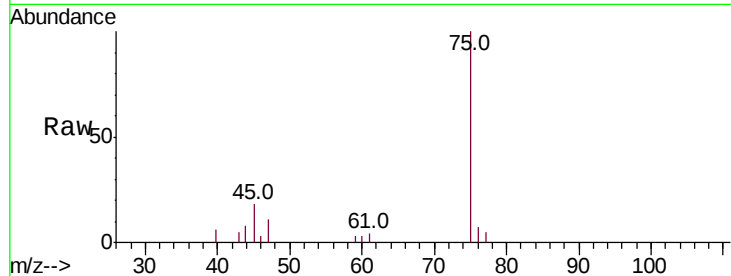




#25
2-Butanone
Concen: 0.490 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.02 min
Lab File: VN063773.D
Acq: 1 Oct 2020 15:46

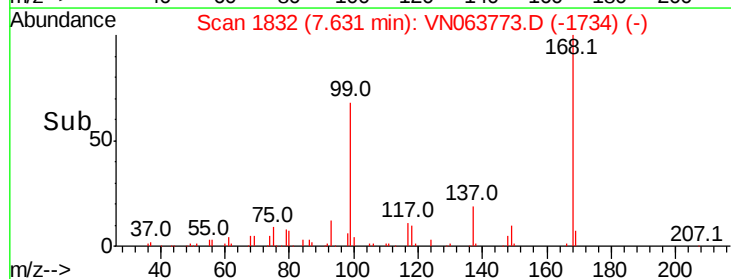
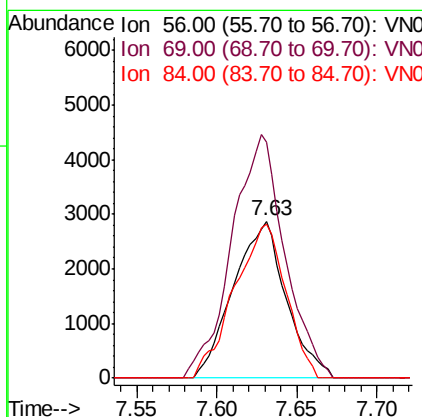
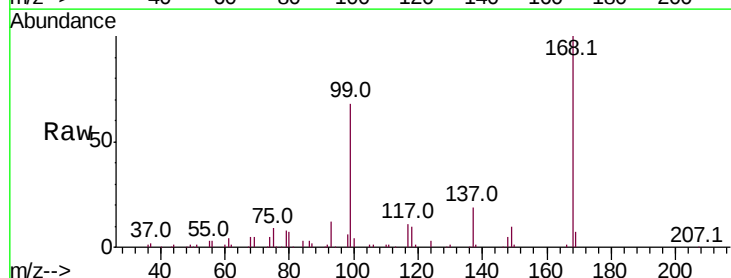
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MSVOA_N
ClientSampled :
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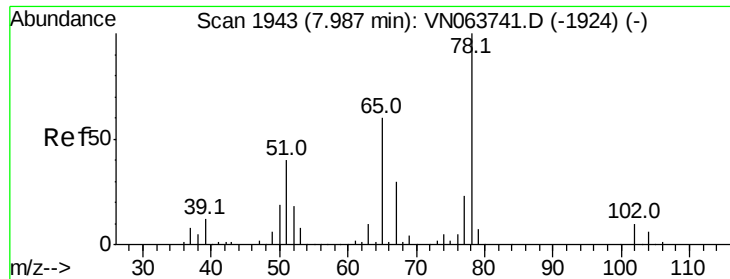
Tot Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.544 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063773.D
Acq: 1 Oct 2020 15:46

Tgt Ion: 56 Resp: 6497
Ion Ratio Lower Upper
56 100
69 150.1 25.4 38.2#
84 97.8 63.3 94.9#

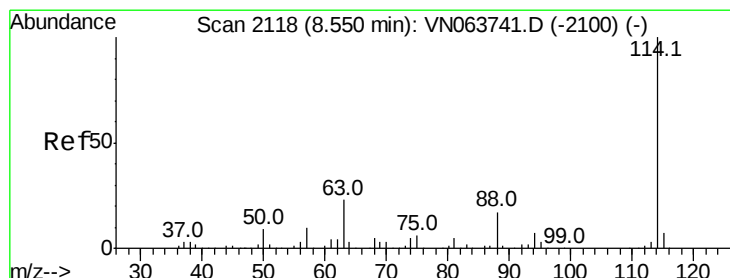
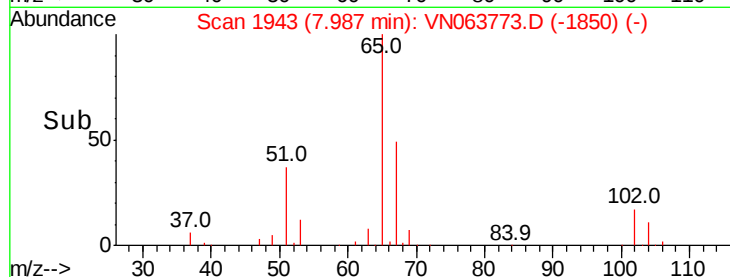
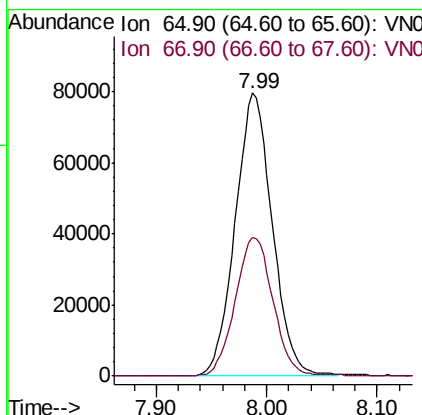
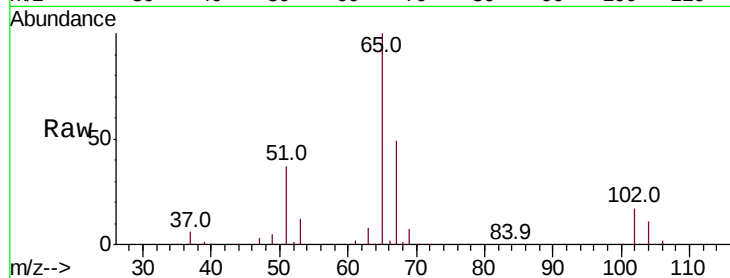




#33
 1,2-Dichloroethane-d4
 Concen: 51.155 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063773.D
 Acq: 1 Oct 2020 15:46

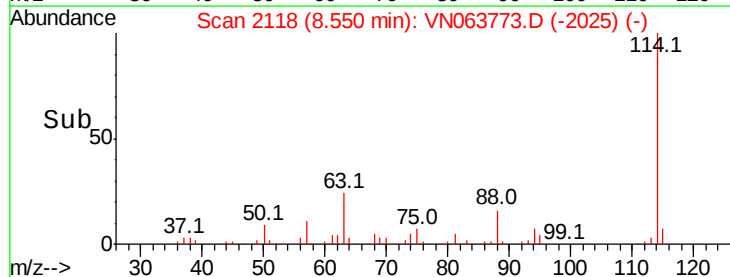
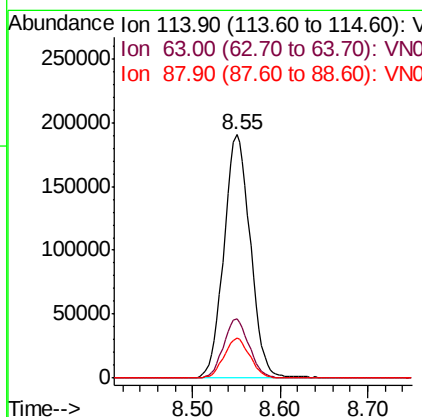
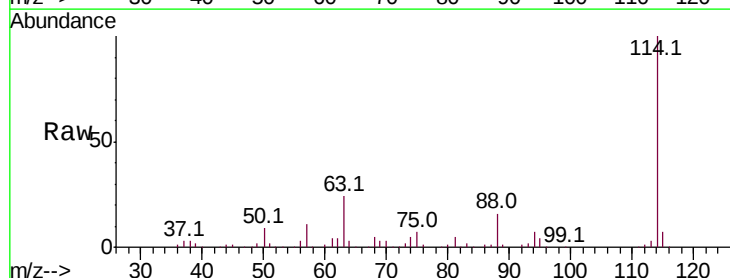
Instrument :
 MSVOA_N
 ClientSampleId :
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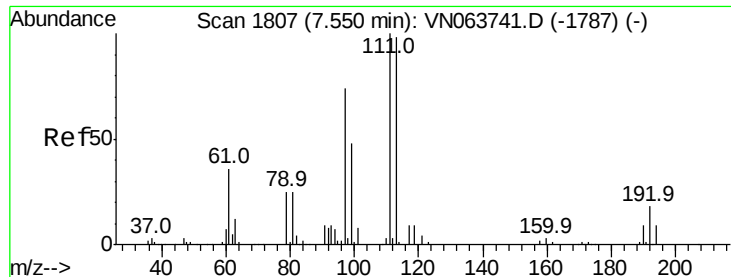
Tot Ion: 65 Resp: 185417
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063773.D
 Acq: 1 Oct 2020 15:46

Tgt Ion: 114 Resp: 400192
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 45.0
 88 16.4 0.0 34.0

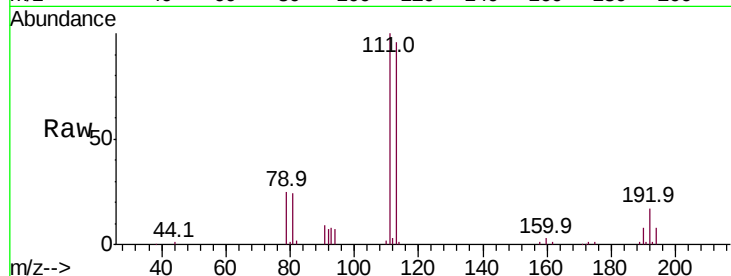




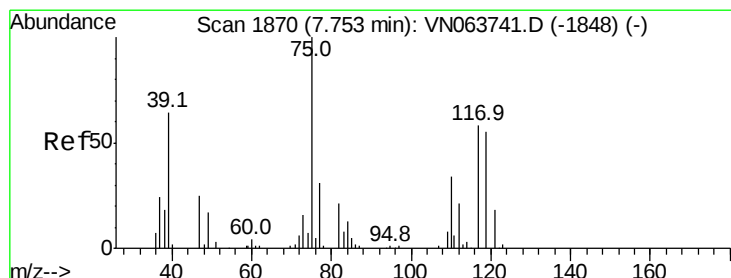
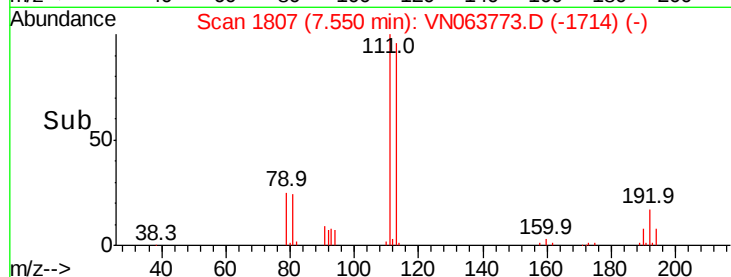
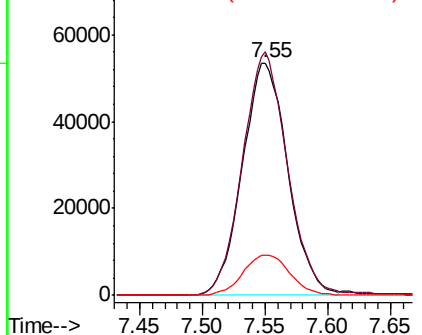
#35
 Dibromofluoromethane
 Concen: 48.694 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063773.D
 Acq: 1 Oct 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:113 Resp: 135216
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 17.8 14.2 21.2

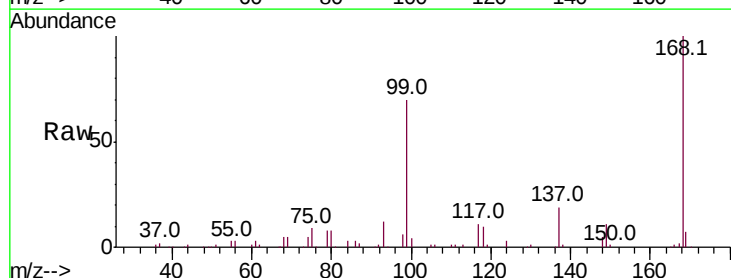


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

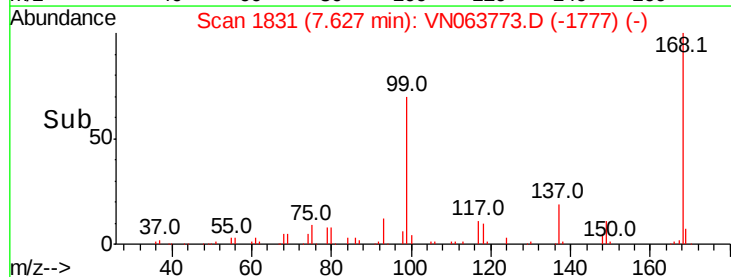
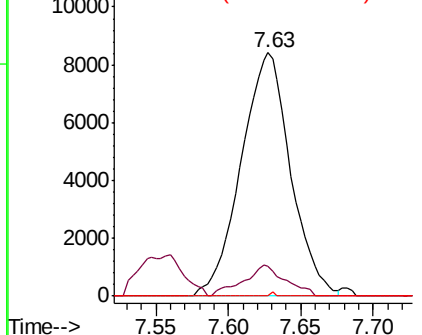


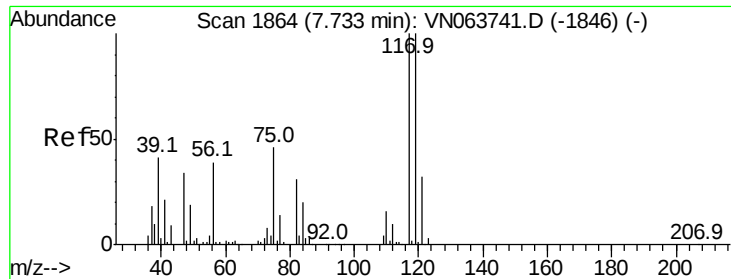
#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063773.D
 Acq: 1 Oct 2020 15:46

Tgt Ion: 75 Resp: 19912
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.9 50.6#
 77 0.2 24.5 36.7#



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

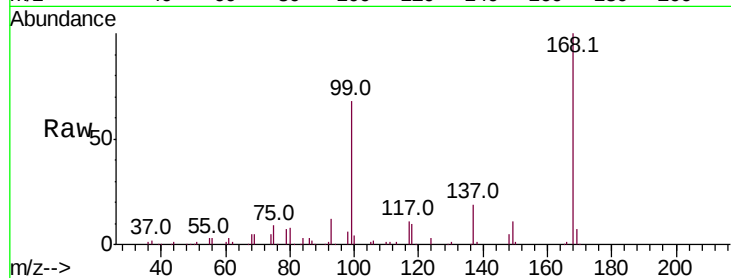




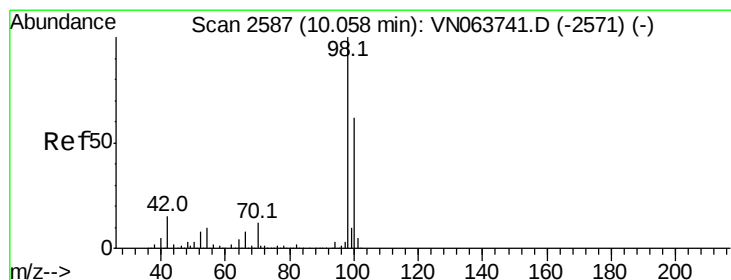
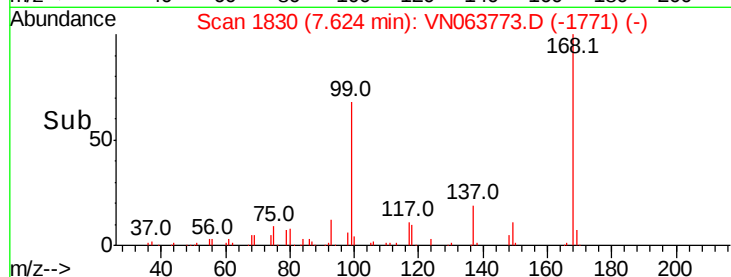
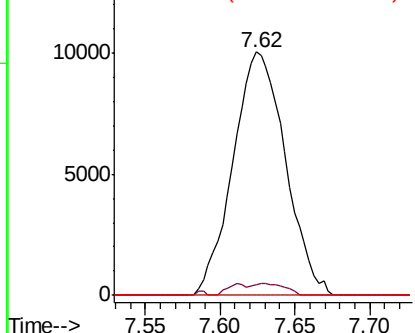
#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063773.D
Acq: 1 Oct 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:117 Resp: 24463
Ion Ratio Lower Upper
117 100
119 4.4 80.1 120.1#
121 0.0 25.7 38.5#

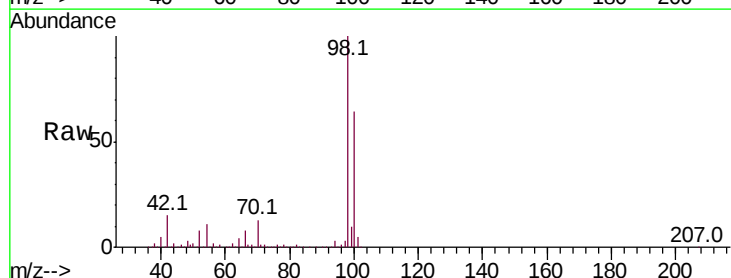


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

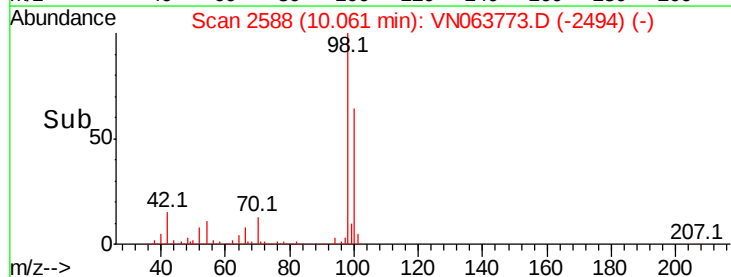
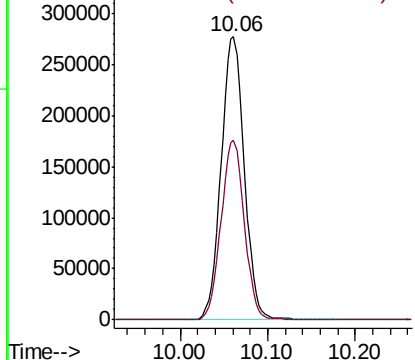


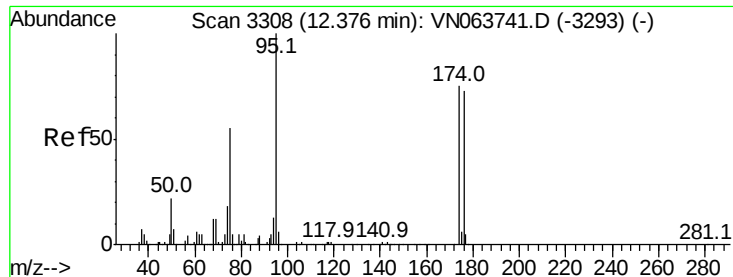
#50
Toluene-d8
Concen: 48.446 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063773.D
Acq: 1 Oct 2020 15:46

Tgt Ion: 98 Resp: 509979
Ion Ratio Lower Upper
98 100
100 63.9 49.8 74.6



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





#62

4-Bromofluorobenzene

Concen: 51.071 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

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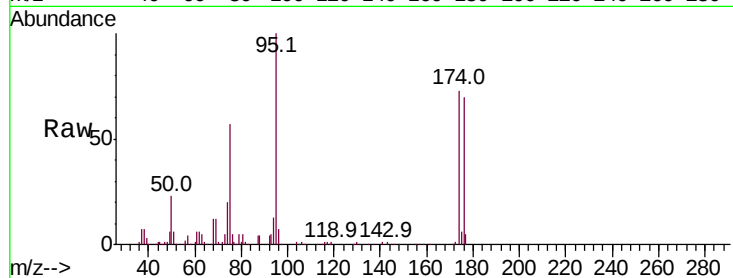
Tot Ion: 95 Resp: 202094

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.6

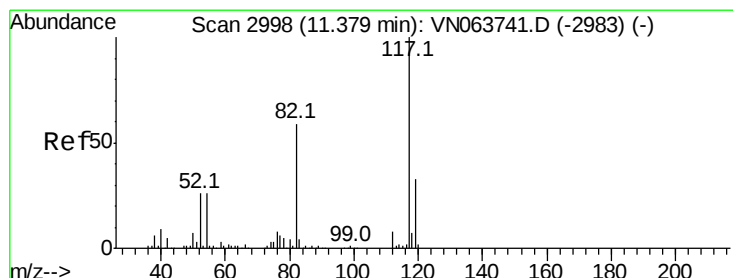
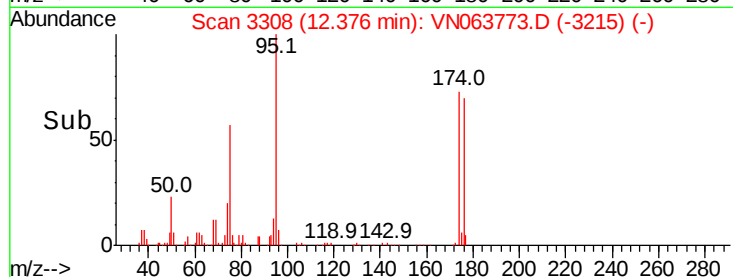
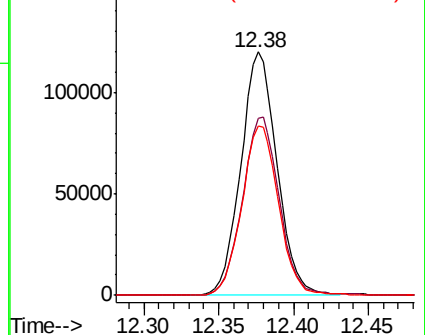
176 70.8 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

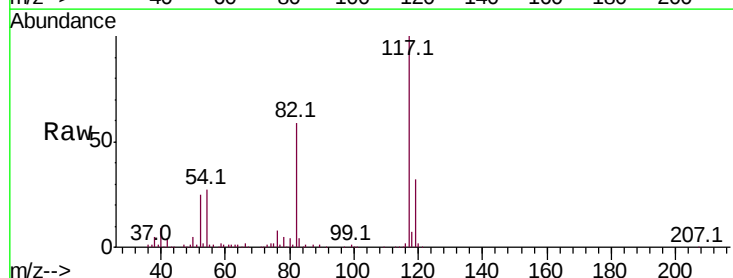
Tgt Ion: 117 Resp: 411272

Ion Ratio Lower Upper

117 100

82 59.1 47.4 71.2

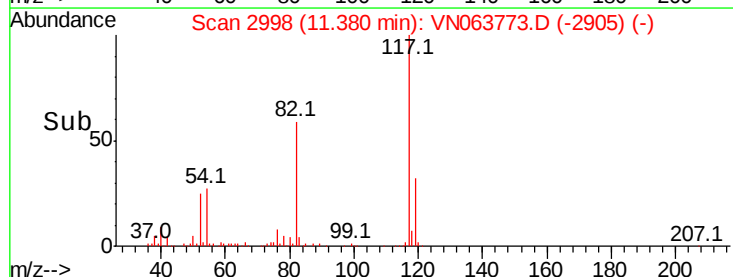
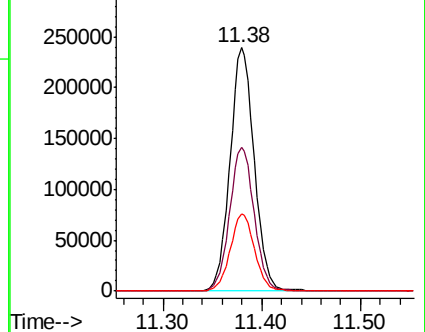
119 31.6 26.4 39.6

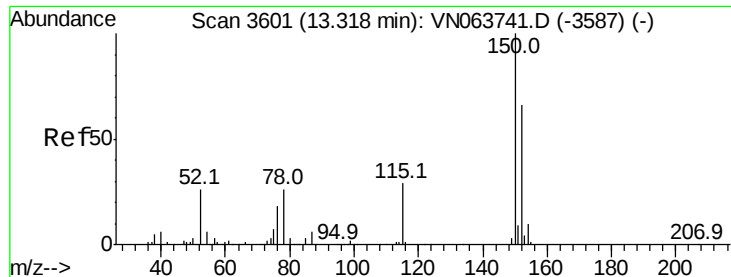


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

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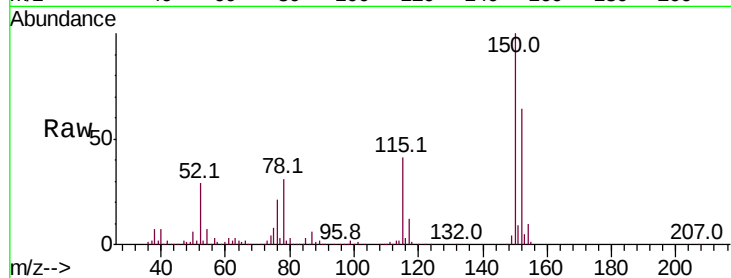
Tot Ion:152 Resp: 171334

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

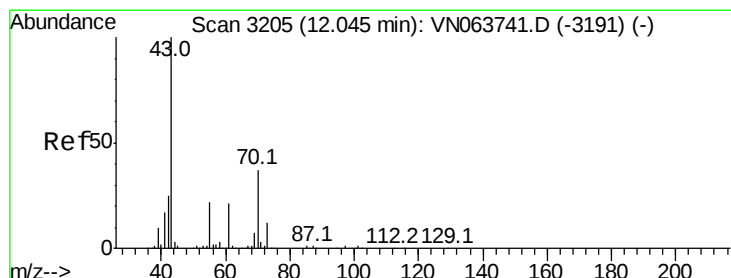
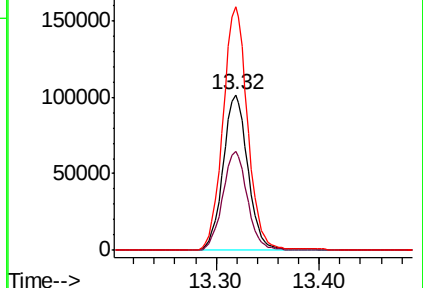
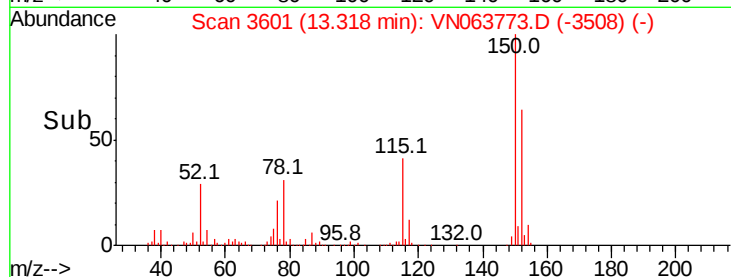
150 153.3 0.0 341.8



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: 2.243 ug/l

RT: 12.07 min Scan# 3214

Delta R.T. 0.03 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Tgt Ion: 43 Resp: 167

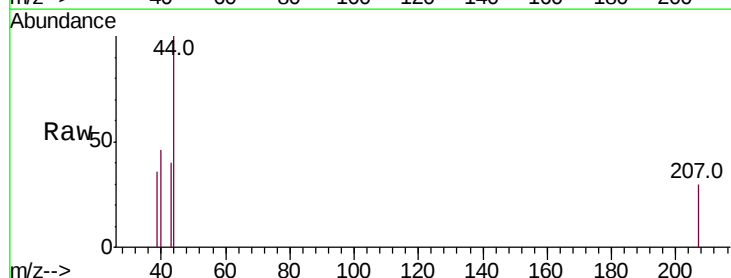
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

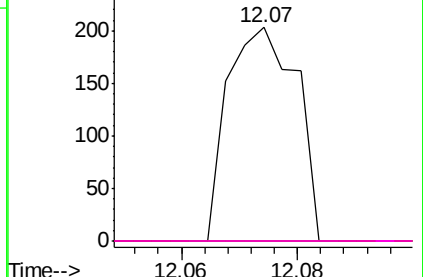
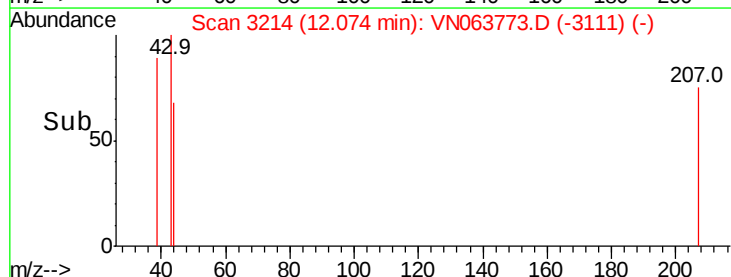


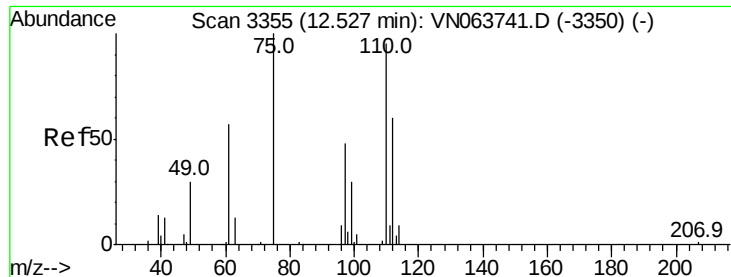
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.752 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

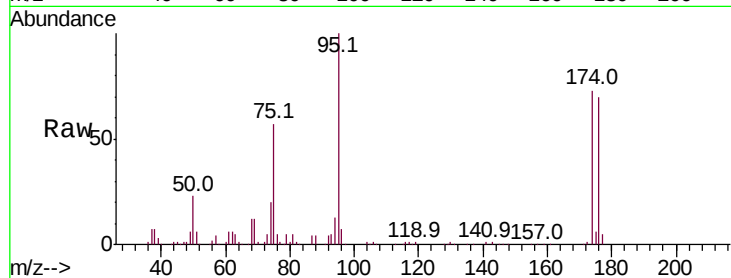
TRIP-BLANK

Tot Ion: 75 Resp: 116148

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

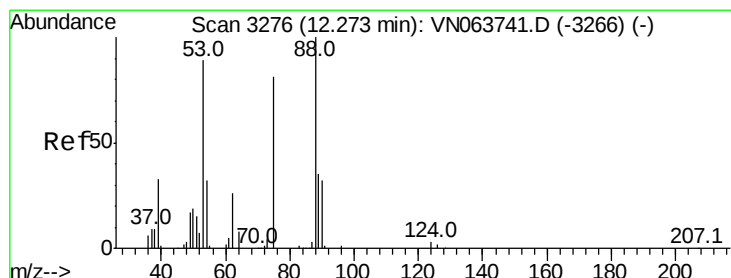
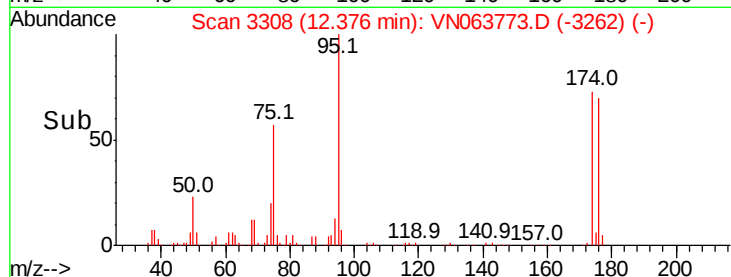
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 88.572 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063773.D

Acq: 1 Oct 2020 15:46

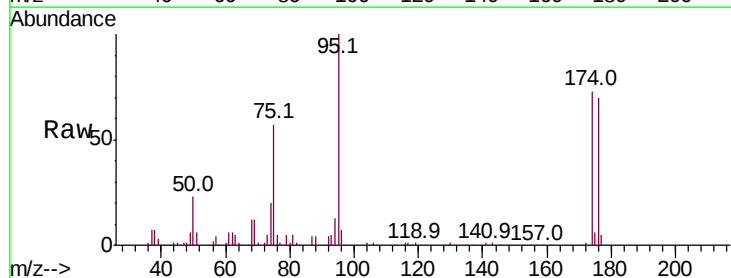
Tgt Ion: 75 Resp: 116148

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

80000

60000

40000

20000

0

Time-->

