

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063819.D
 Acq On : 2 Oct 2020 14:21
 Operator : JC/MD
 Sample : L4236-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: Oct 05 04:14:56 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	218330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	395258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169158	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	187557	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.55	113	133323	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.06	98	506806	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	207183	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

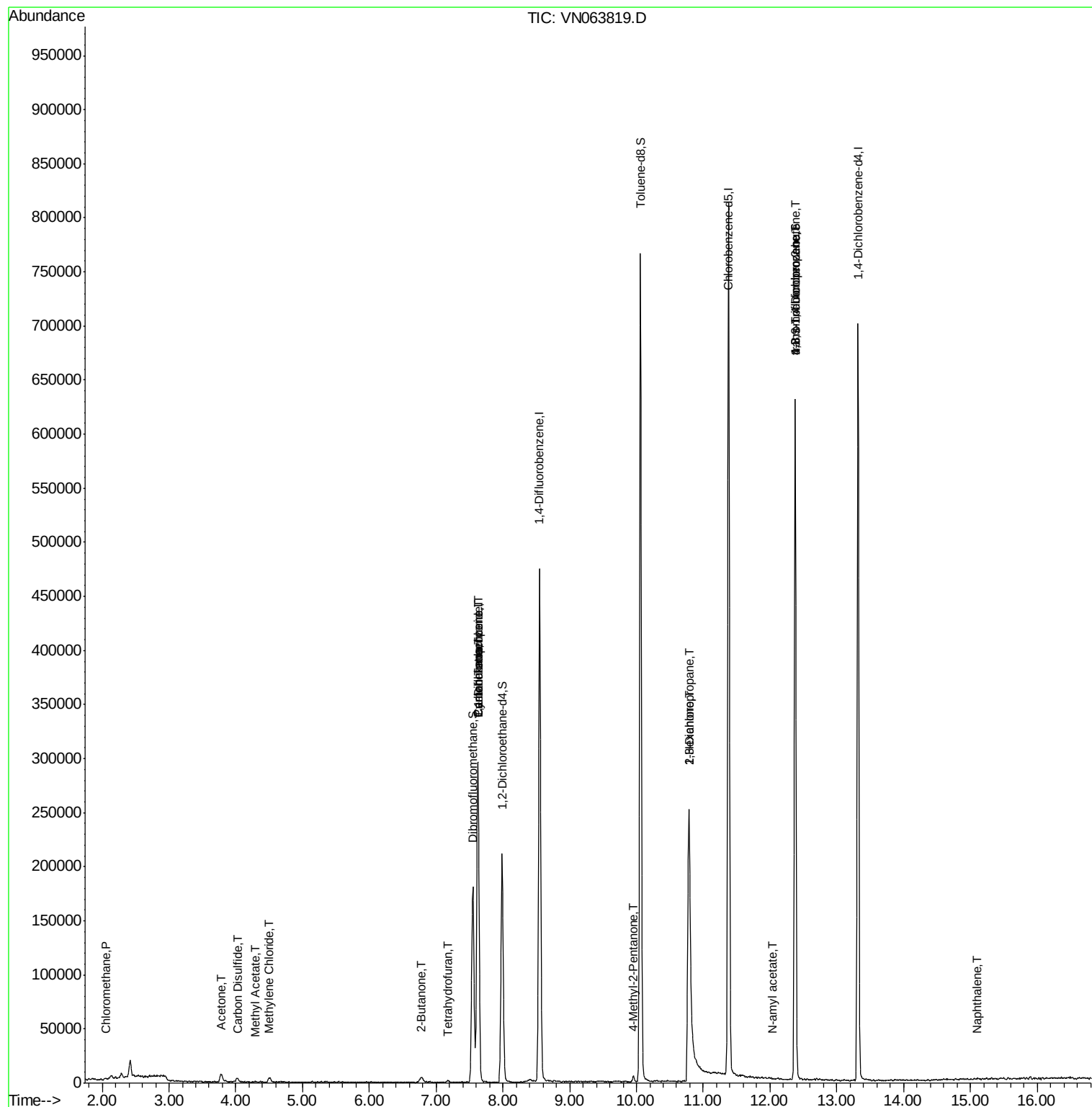
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	922	0.341	ug/l	90
16) Acetone	3.78	43	13055	11.758	ug/l #	89
17) Carbon Disulfide	4.02	76	635	0.806	ug/l #	76
18) Methyl Acetate	4.28	43	622	0.216	ug/l #	54
20) Methylene Chloride	4.50	84	1526	0.697	ug/l #	68
25) 2-Butanone	6.78	43	872	0.554	ug/l #	51
29) Tetrahydrofuran	7.17	42	816	0.773	ug/l #	55
31) Cyclohexane	7.63	56	6757	1.614	ug/l #	39
36) 1,1-Dichloropropene	7.63	75	21380	5.339	ug/l #	51
38) Carbon Tetrachloride	7.62	117	23499	5.233	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	4362	1.133	ug/l	92
57) 1,3-Dichloropropane	10.79	76	1689	0.352	ug/l #	43
59) 2-Hexanone	10.79	43	117799	41.178	ug/l #	42
74) N-amyl acetate	12.04	43	205	2.250	ug/l #	54
76) 1,2,3-Trichloropropane	12.38	75	114882	30.809	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	114882	88.733	ug/l #	6
95) Naphthalene	15.11	128	490	1.976	ug/l #	69

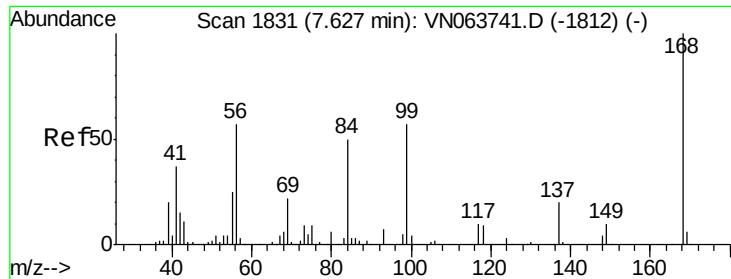
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Time: Oct 05 04:14:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

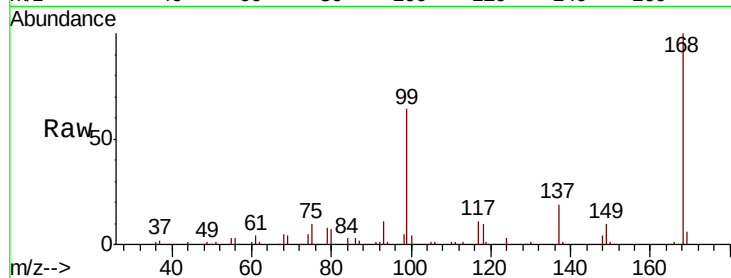
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Tot Ion:168 Resp: 218330

Ion Ratio Lower Upper

168 100

99 64.5 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

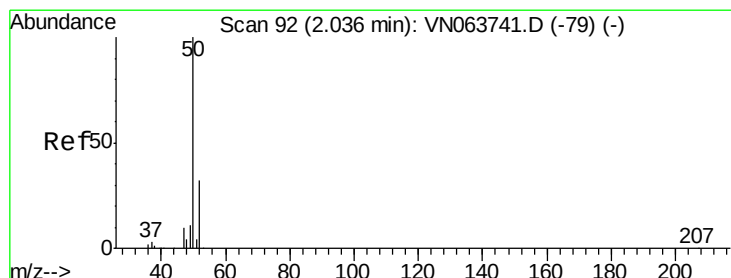
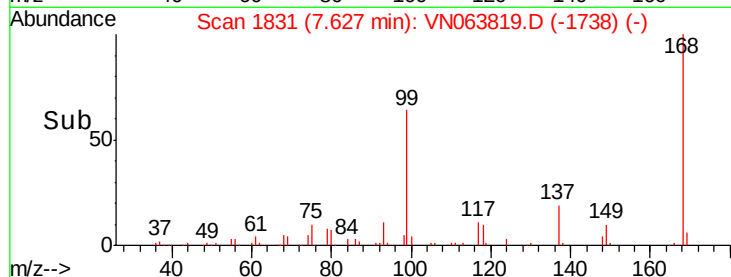
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.341 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063819.D

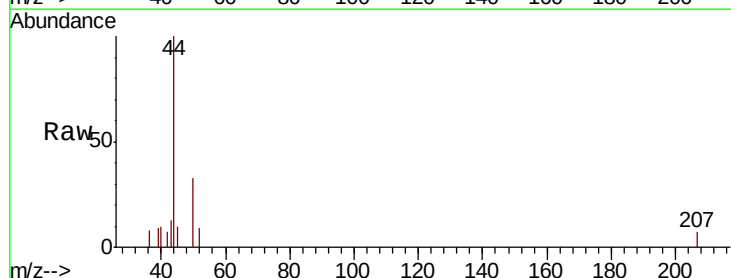
Acq: 2 Oct 2020 14:21

Tgt Ion: 50 Resp: 922

Ion Ratio Lower Upper

50 100

52 26.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

800

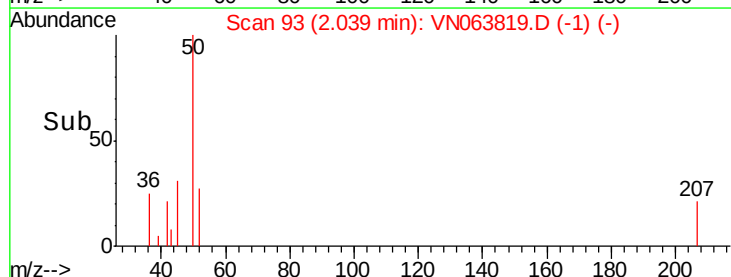
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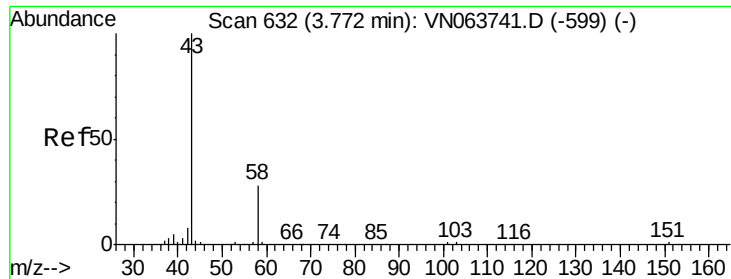
400

200

0

Time--> 2.00 2.02 2.04 2.06





#16

Acetone

Concen: 11.758 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampleId :

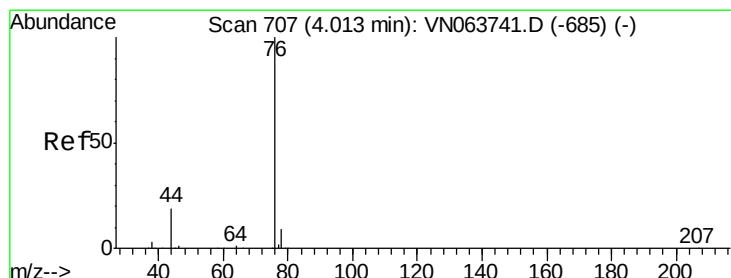
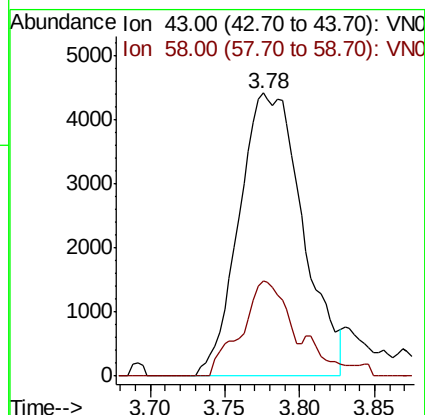
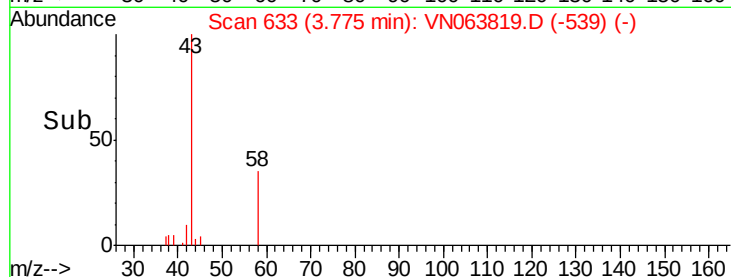
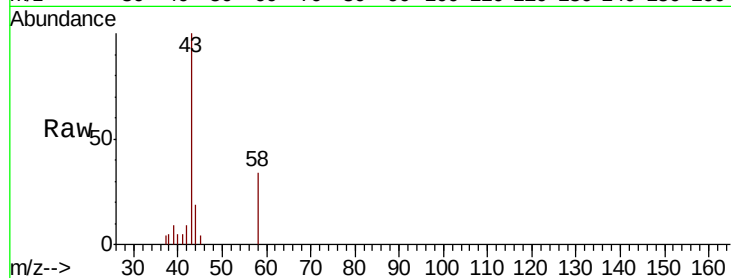
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Tot Ion: 43 Resp: 13055

Ion Ratio Lower Upper

43 100

58 33.6 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063819.D

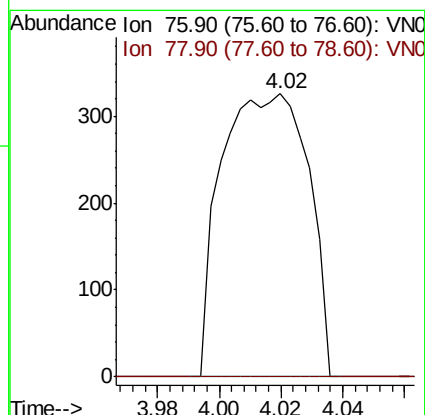
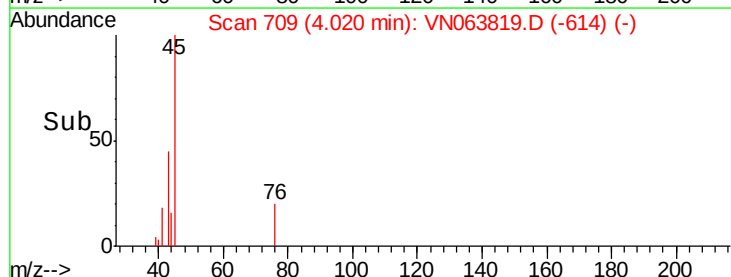
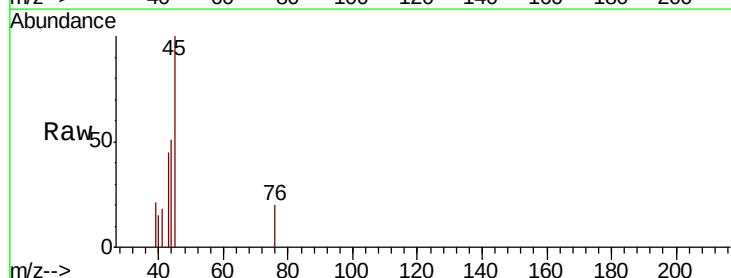
Acq: 2 Oct 2020 14:21

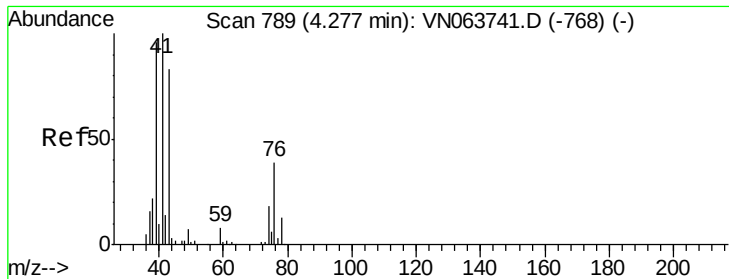
Tgt Ion: 76 Resp: 635

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

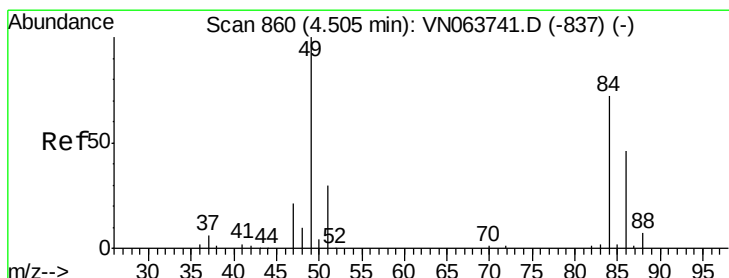
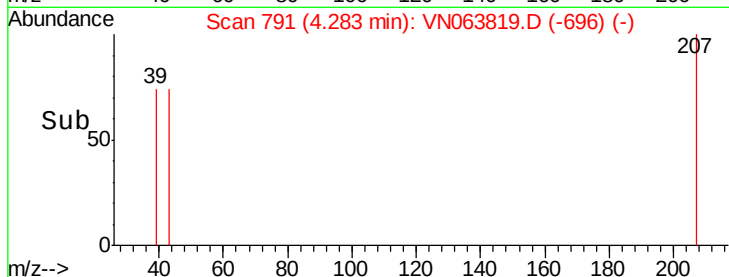
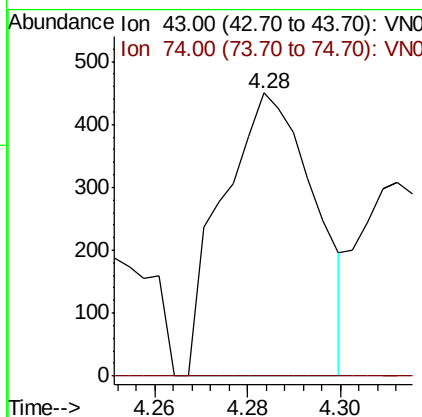
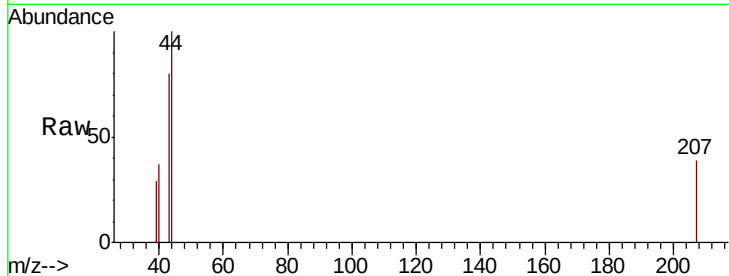




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

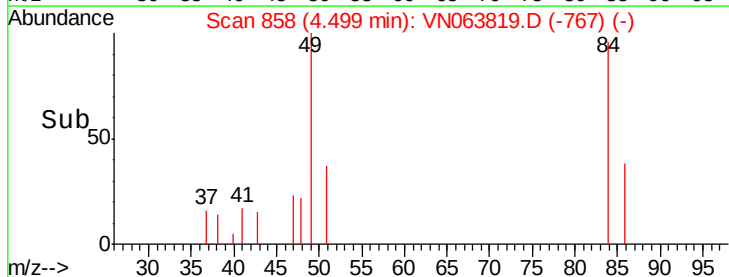
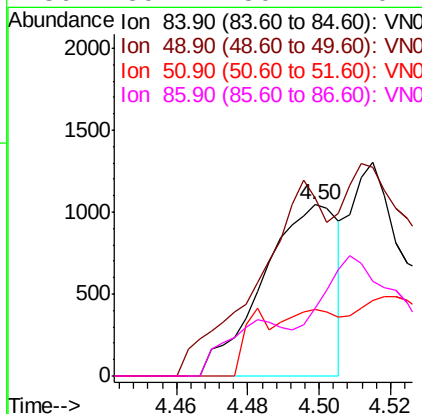
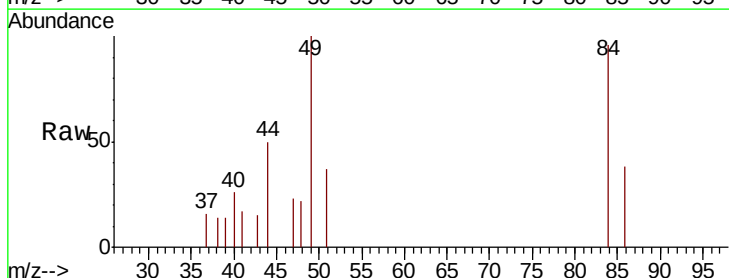
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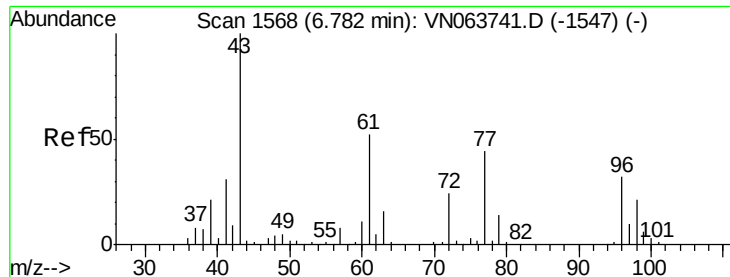
Tot Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.697 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

Tgt Ion: 84 Resp: 1526
Ion Ratio Lower Upper
84 100
49 88.0 110.4 165.6#
51 38.9 33.3 49.9
86 39.4 50.7 76.1#





#25

2-Butanone

Concen: 0.554 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

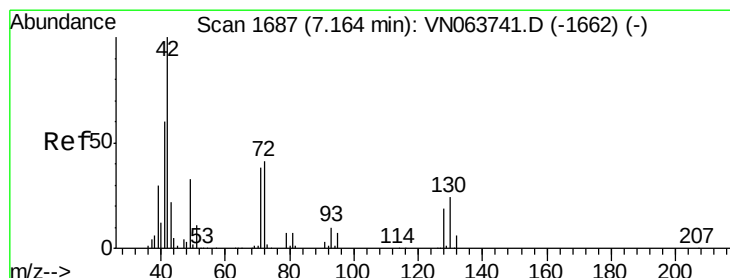
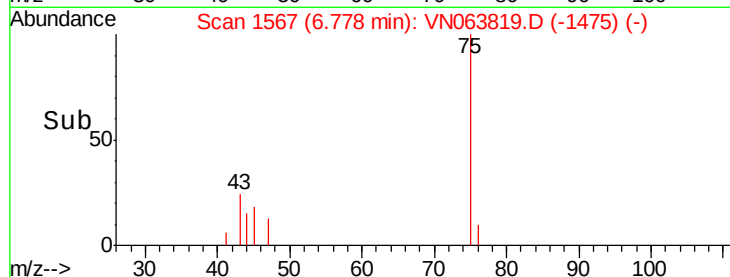
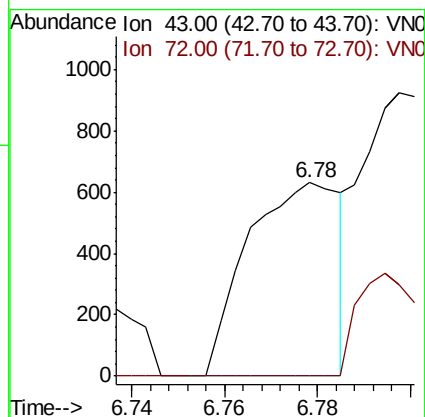
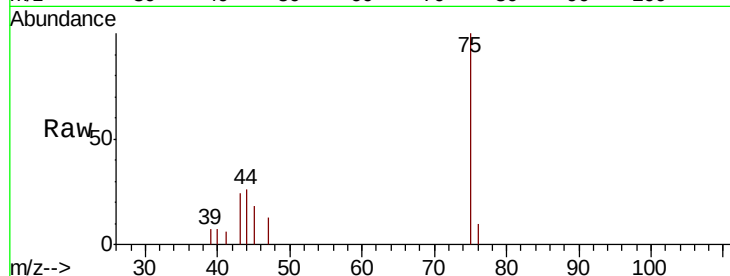
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Tot Ion: 43 Resp: 872

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.773 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

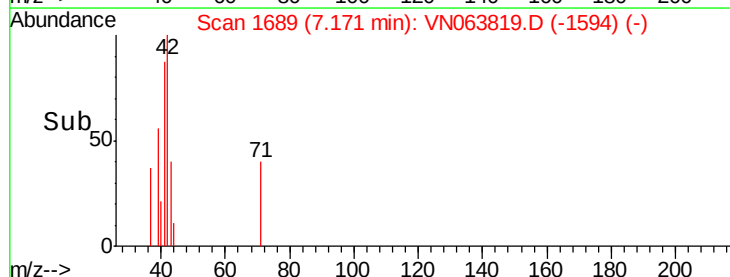
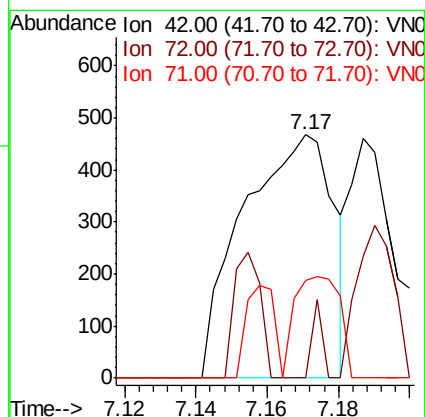
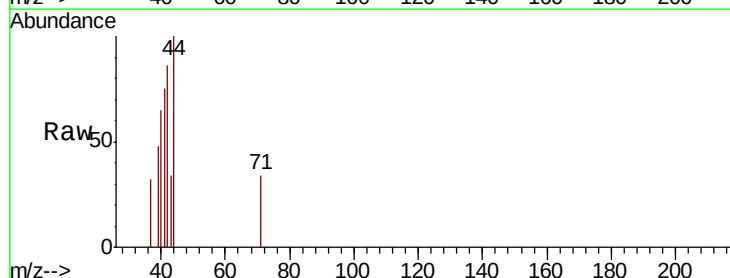
Tgt Ion: 42 Resp: 816

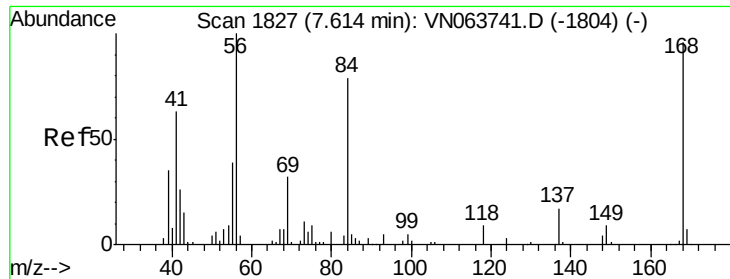
Ion Ratio Lower Upper

42 100

72 3.6 32.8 49.2#

71 21.0 30.6 45.8#

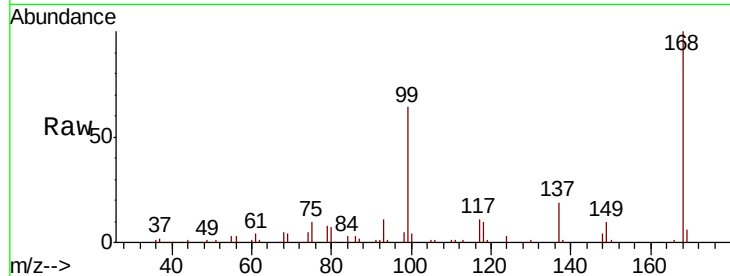




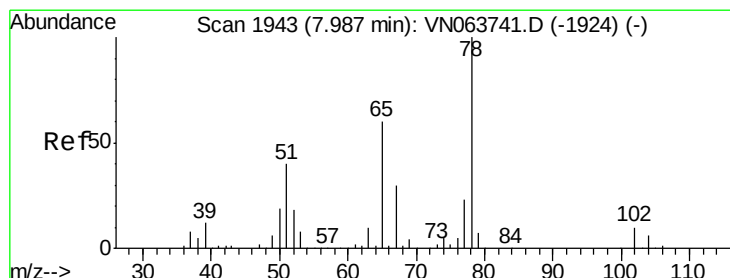
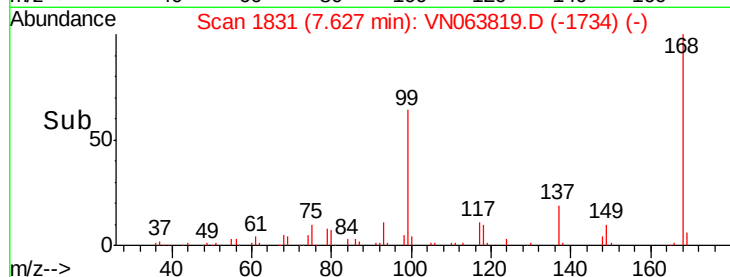
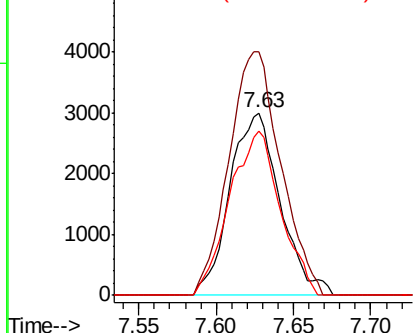
#31
Cyclohexane
Concen: 1.614 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion: 56 Resp: 6757
Ion Ratio Lower Upper
56 100
69 133.3 25.4 38.2#
84 90.1 63.3 94.9

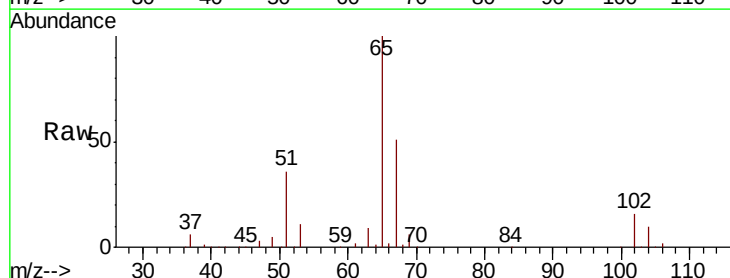


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

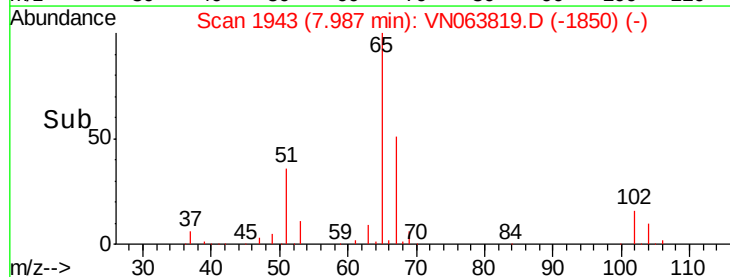
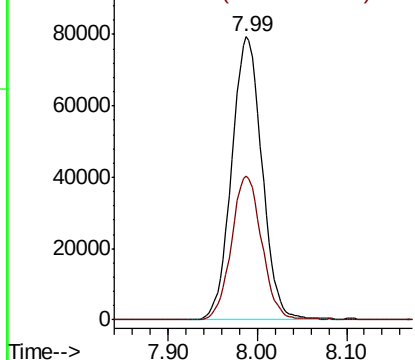


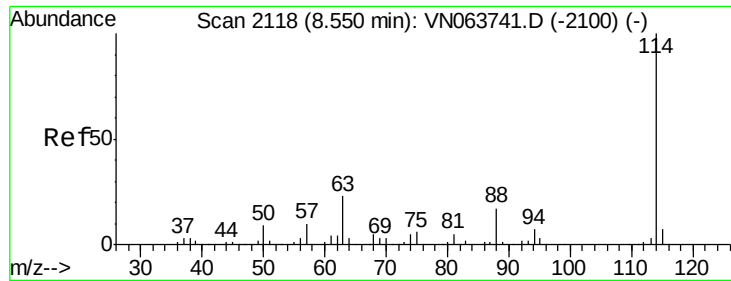
#33
1,2-Dichloroethane-d4
Concen: 51.999 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

Tgt Ion: 65 Resp: 187557
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

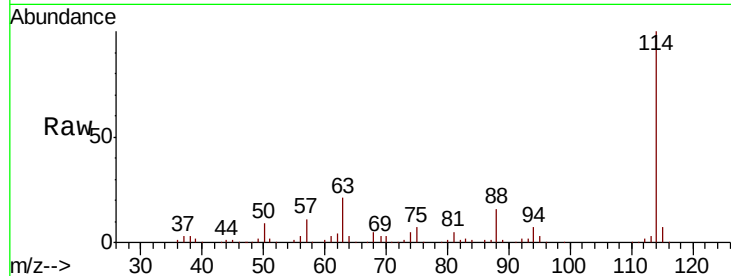




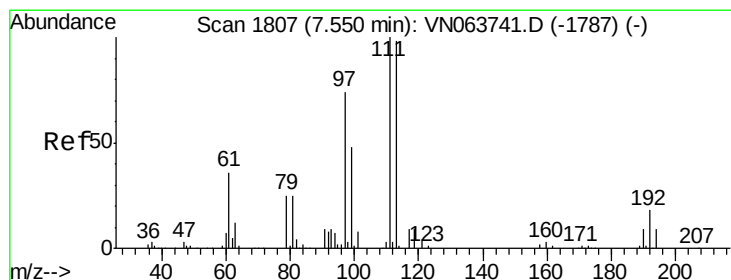
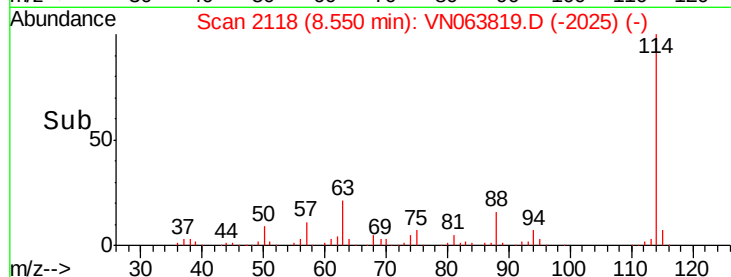
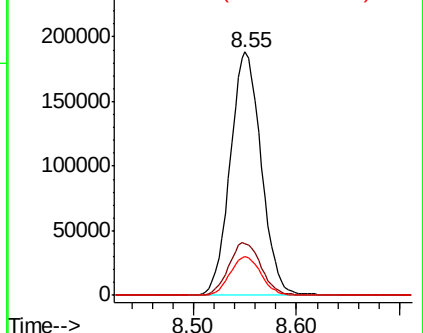
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063819.D
 Acq: 2 Oct 2020 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 395258
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.0
 88 16.0 0.0 34.0

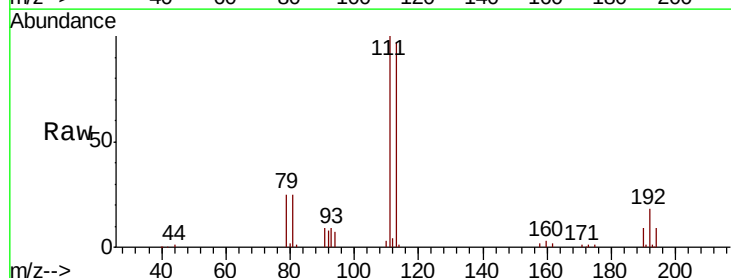


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

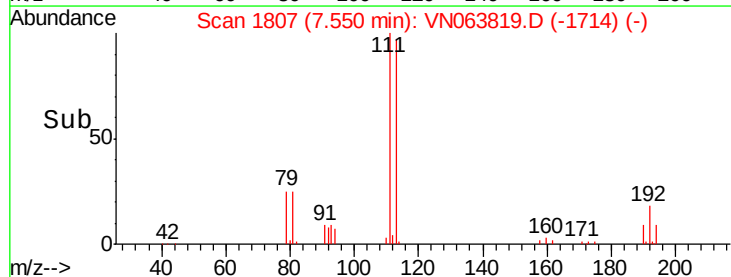
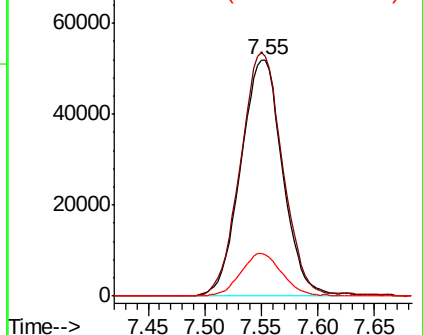


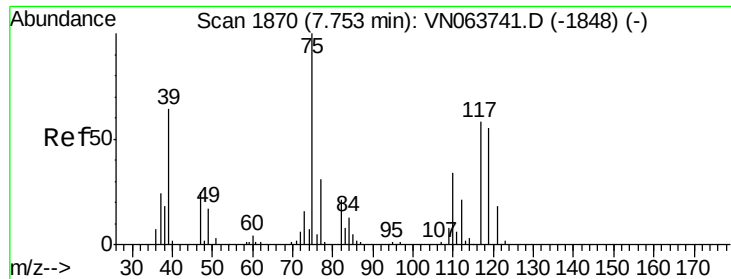
#35
 Dibromofluoromethane
 Concen: 48.612 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063819.D
 Acq: 2 Oct 2020 14:21

Tgt Ion:113 Resp: 133323
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.8
 192 17.7 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

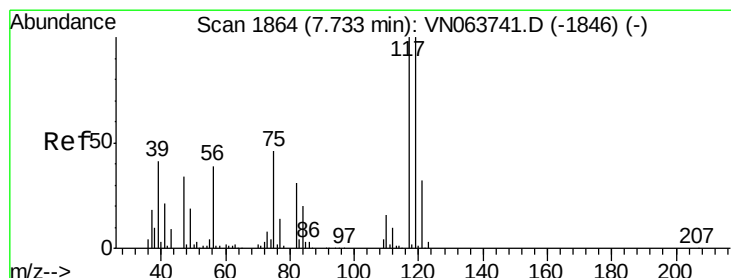
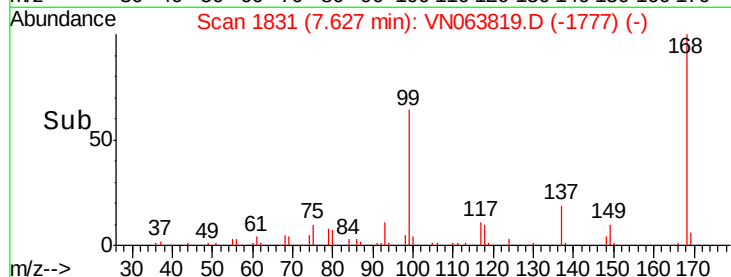
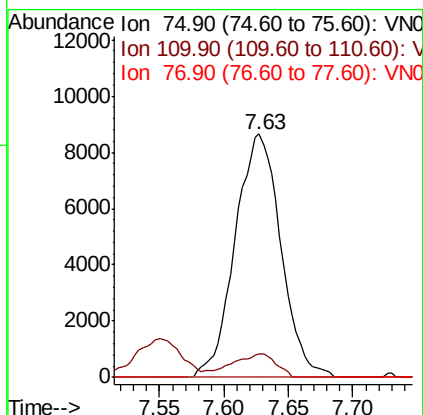
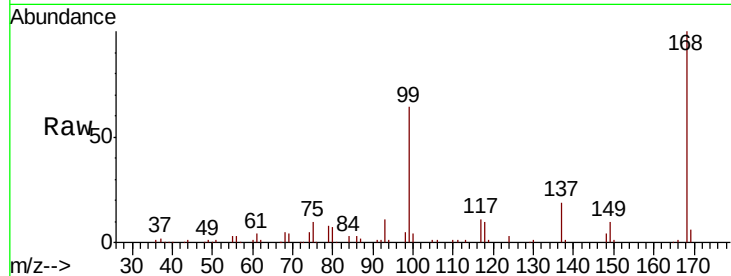




#36
 1,1-Dichloropropene
 Concen: 5.339 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063819.D
 Acq: 2 Oct 2020 14:21

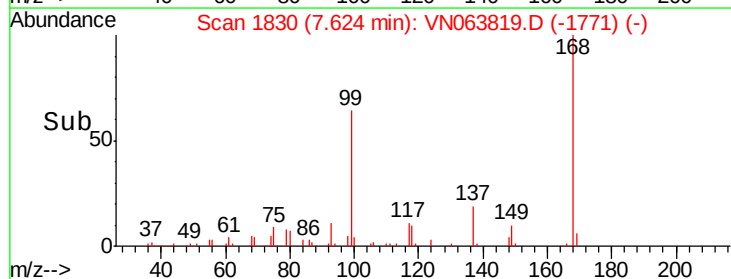
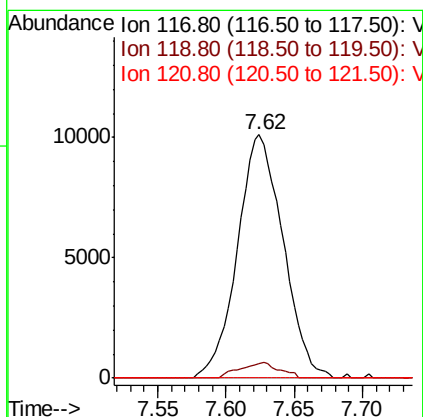
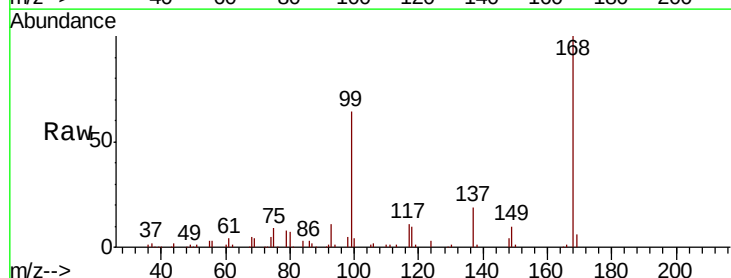
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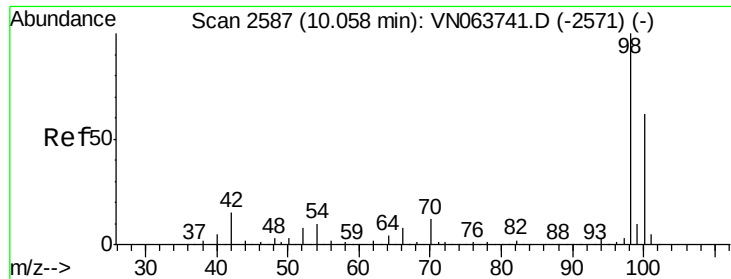
Tot Ion: 75 Resp: 21380
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.233 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063819.D
 Acq: 2 Oct 2020 14:21

Tgt Ion: 117 Resp: 23499
 Ion Ratio Lower Upper
 117 100
 119 6.1 80.1 120.1#
 121 0.0 25.7 38.5#

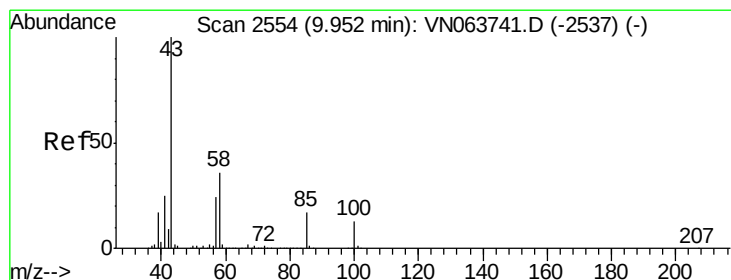
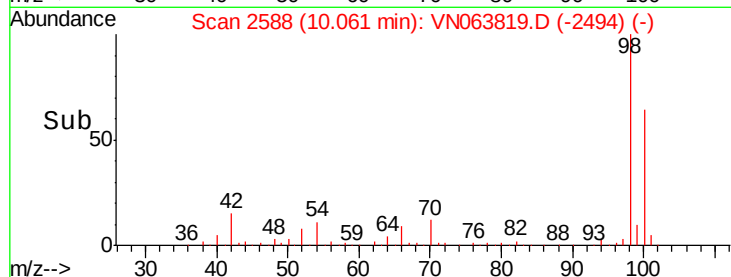
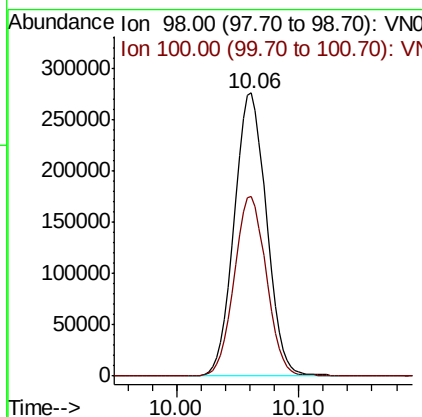
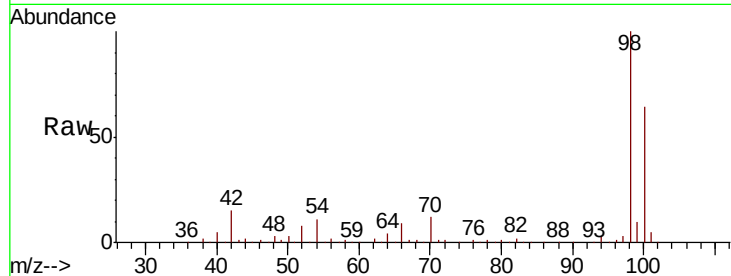




#50
Toluene-d8
Concen: 48.746 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

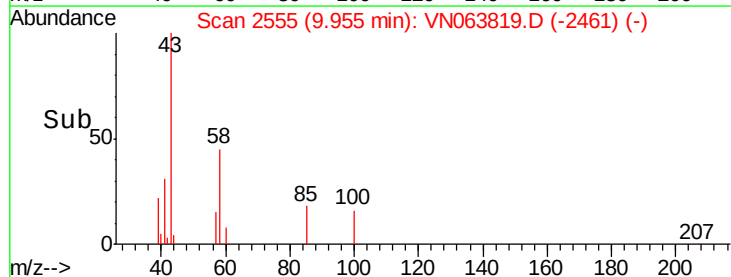
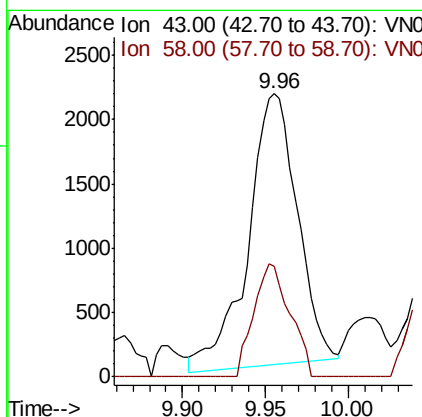
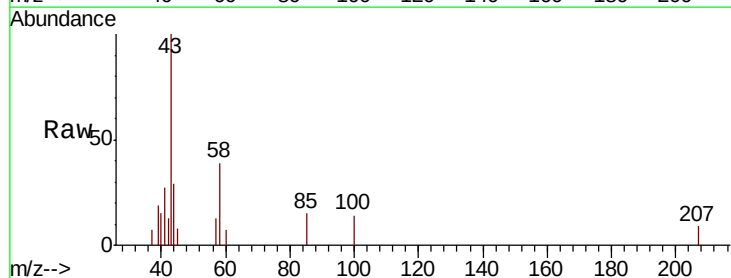
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

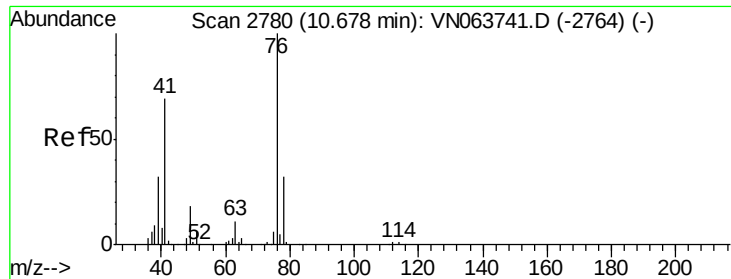
Tot Ion: 98 Resp: 506806
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
58 30.5 28.4 42.6





#57

1,3-Dichloropropane

Concen: 0.352 ug/l

RT: 10.79 min Scan# 2814

Delta R.T. 0.11 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

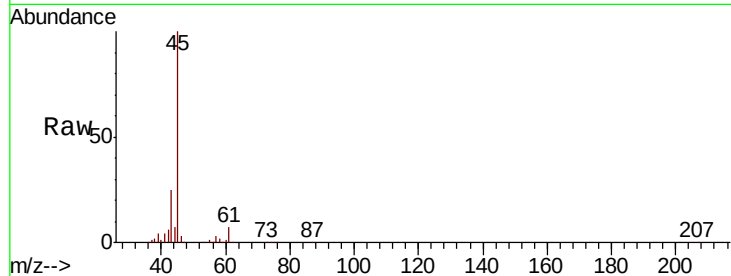
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Tot Ion: 76 Resp: 1689

Ion Ratio Lower Upper

76 100

78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.79

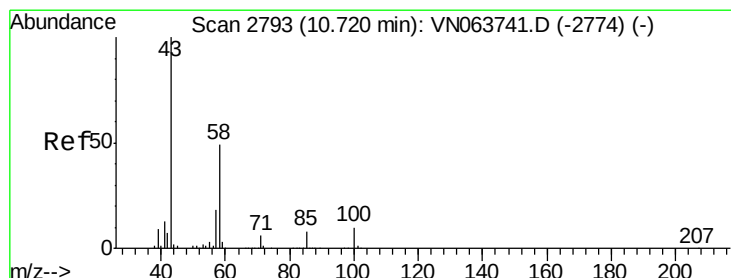
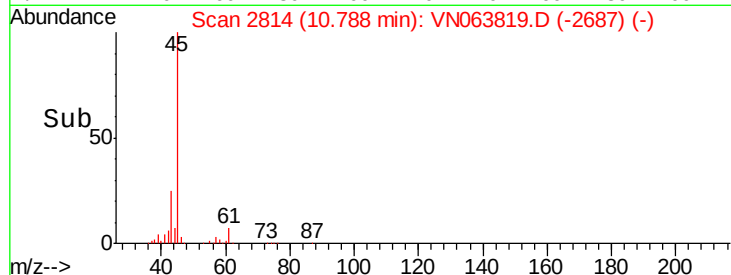
600

400

200

0

Time-->



#59

2-Hexanone

Concen: 41.178 ug/l

RT: 10.79 min Scan# 2814

Delta R.T. 0.07 min

Lab File: VN063819.D

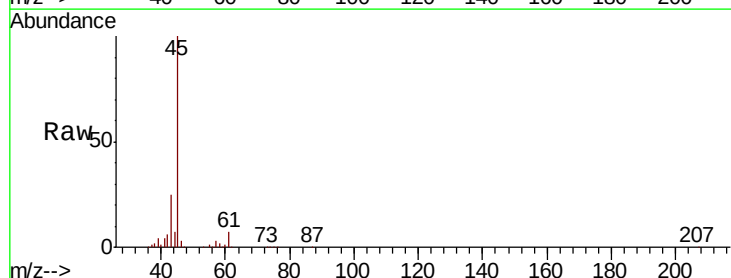
Acq: 2 Oct 2020 14:21

Tgt Ion: 43 Resp: 117799

Ion Ratio Lower Upper

43 100

58 9.9 24.6 73.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.79

40000

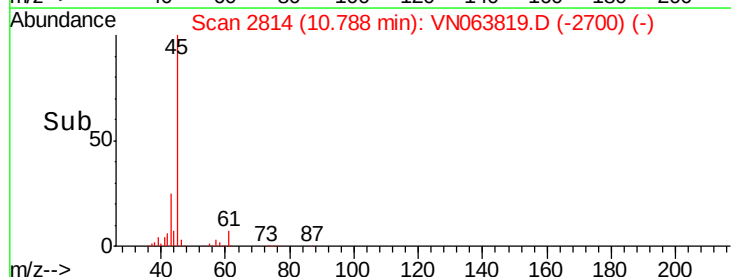
30000

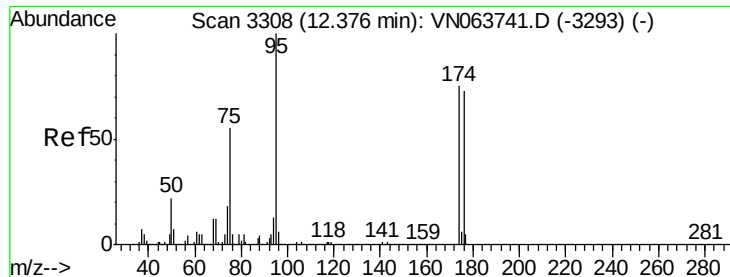
20000

10000

0

Time-->

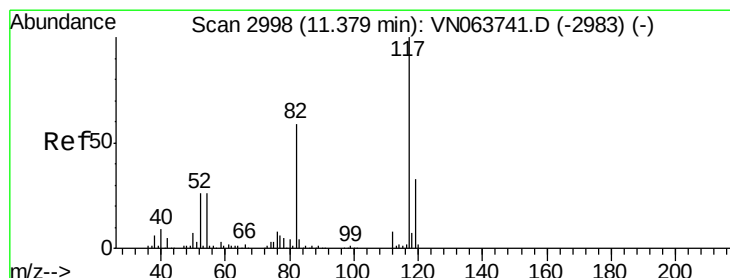
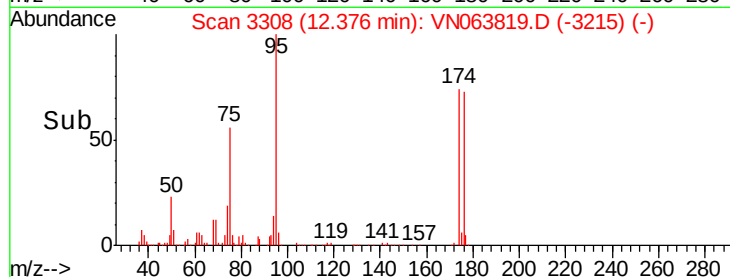
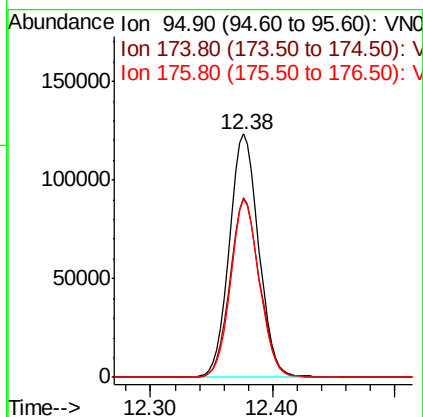
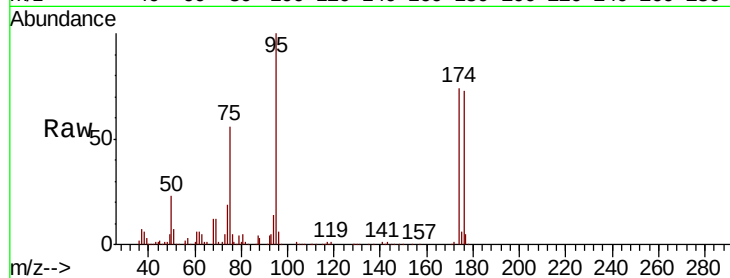




#62
4-Bromofluorobenzene
Concen: 53.011 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

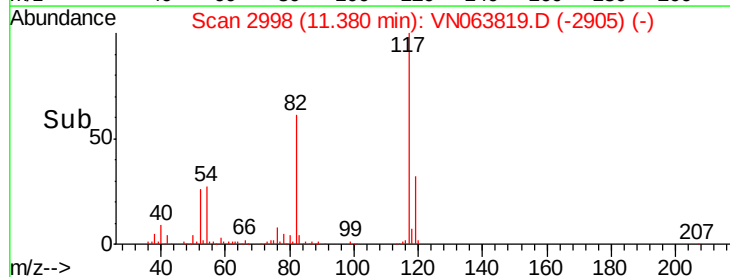
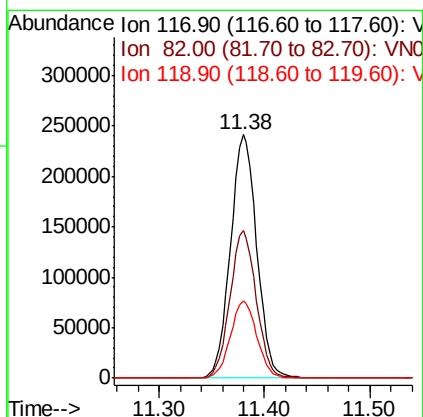
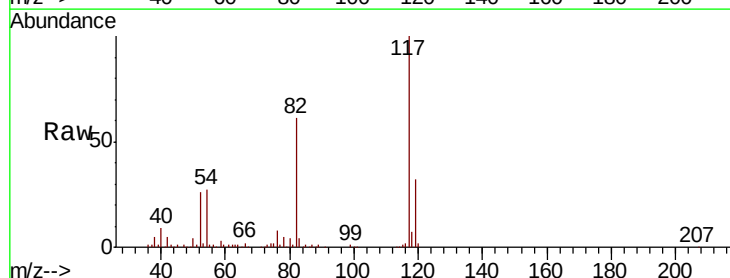
Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

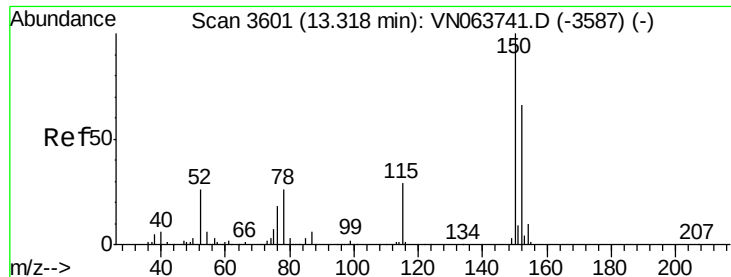
Tot Ion	95	Resp	207183
Ion Ratio	Lower	Upper	
95	100		
174	74.0	0.0	150.6
176	71.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063819.D
Acq: 2 Oct 2020 14:21

Tgt Ion	117	Resp	416461
Ion Ratio	Lower	Upper	
117	100		
82	60.7	47.4	71.2
119	31.7	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

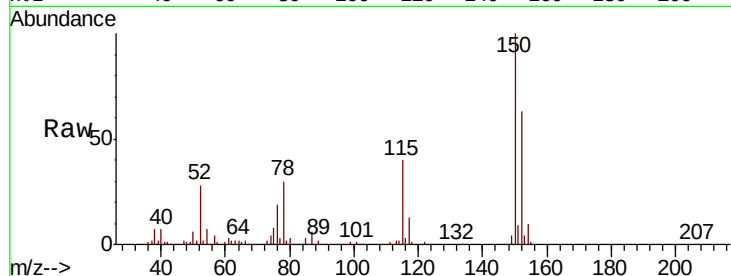
Tot Ion:152 Resp: 169158

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.8

150 156.9 0.0 341.8

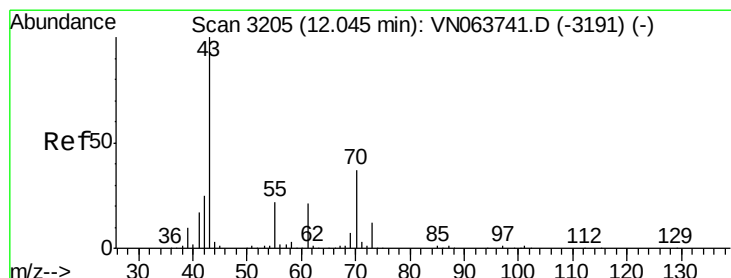
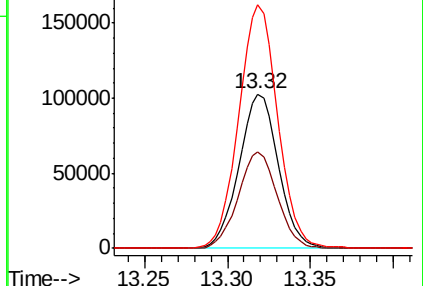
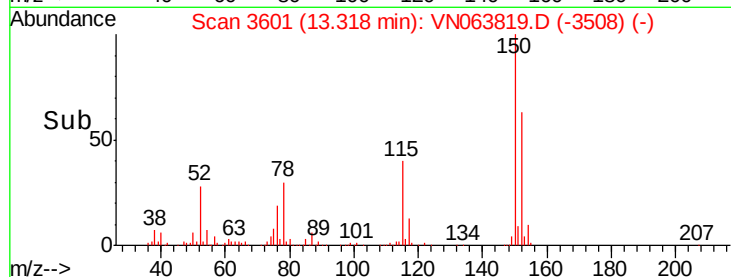


Abundance

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: 2.250 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Tgt Ion: 43 Resp: 205

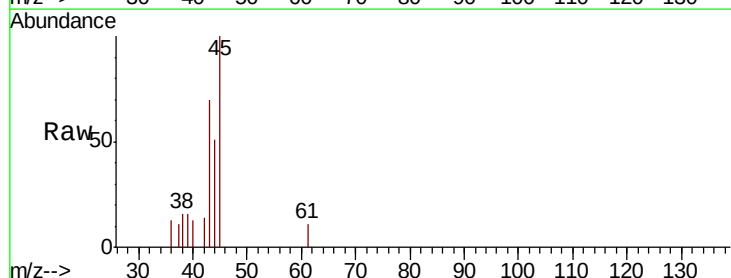
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 29.8 17.0 25.4#



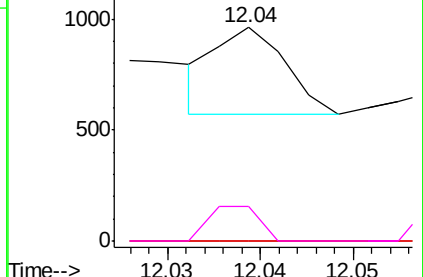
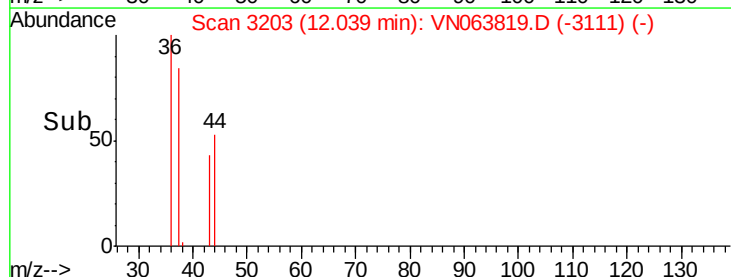
Abundance

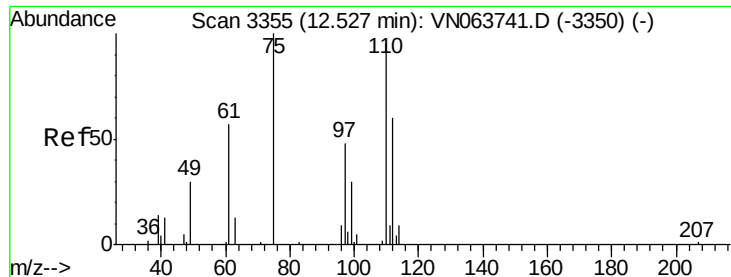
Ion 43.00 (42.70 to 43.70): V

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: 30.809 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampleId :

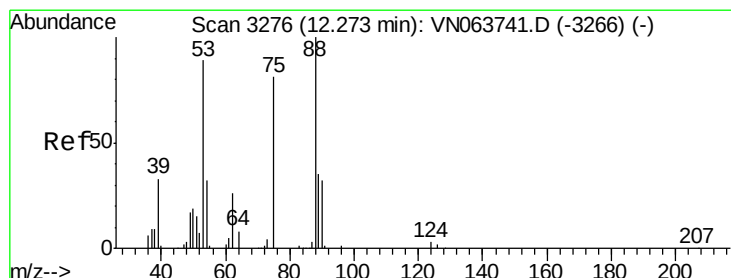
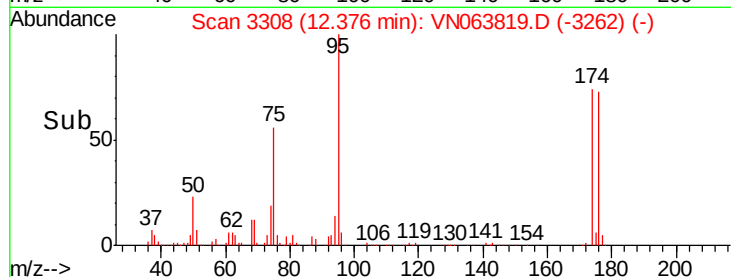
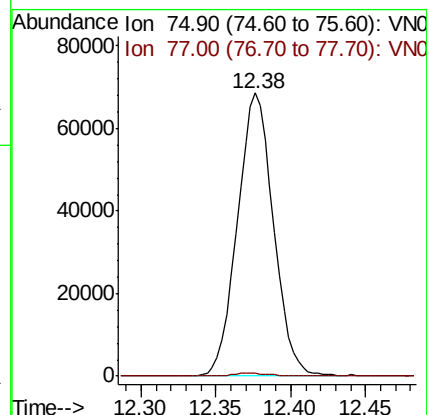
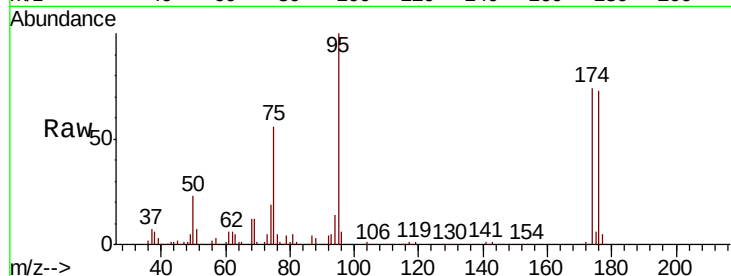
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Tot Ion: 75 Resp: 114882

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.733 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063819.D

Acq: 2 Oct 2020 14:21

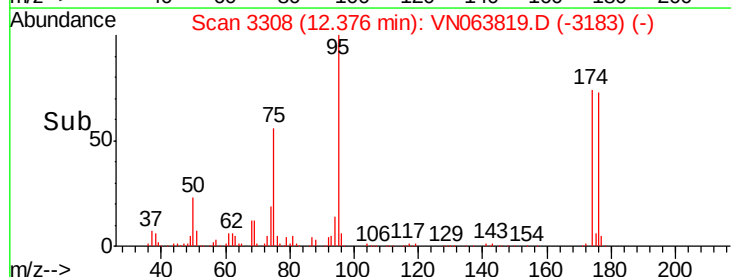
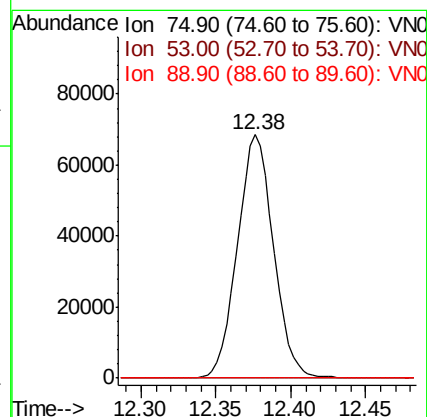
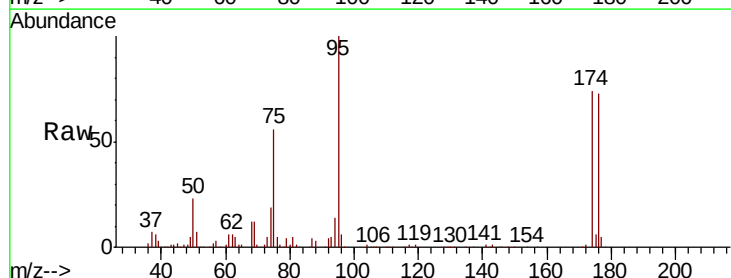
Tgt Ion: 75 Resp: 114882

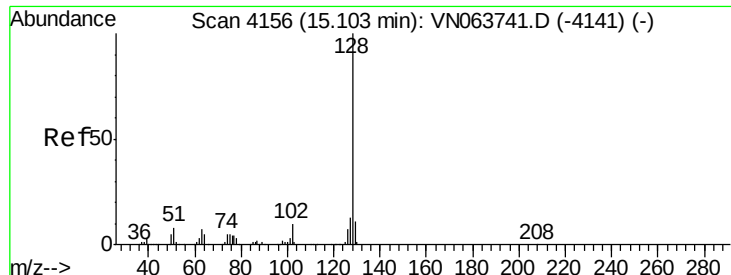
Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.976 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063819.D

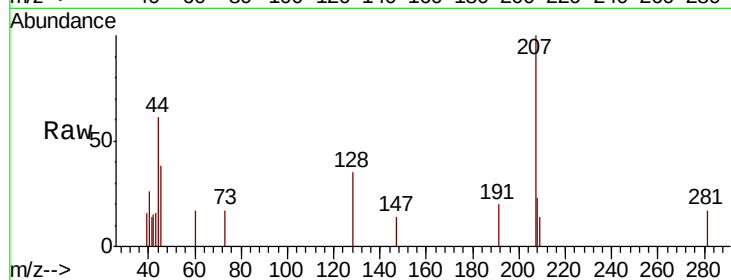
Acq: 2 Oct 2020 14:21

Instrument :

MSVOA_N

ClientSampleId :

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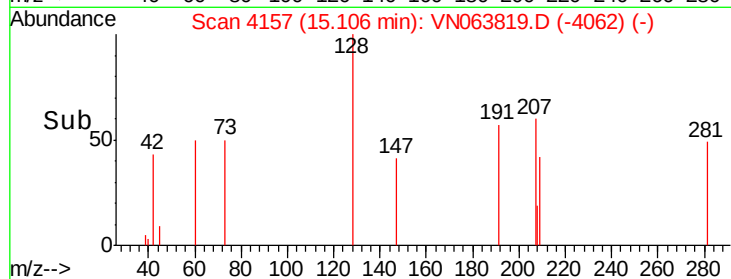
Tot Ion:128 Resp: 490

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

