

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063236.D
 Acq On : 4 Sep 2020 10:23
 Operator : JC/MD
 Sample : VN0904WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL01

Quant Time: Sep 05 07:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	283986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	546323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	543936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	226940	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.55	113	176868	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.06	98	703344	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.38	95	240506	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

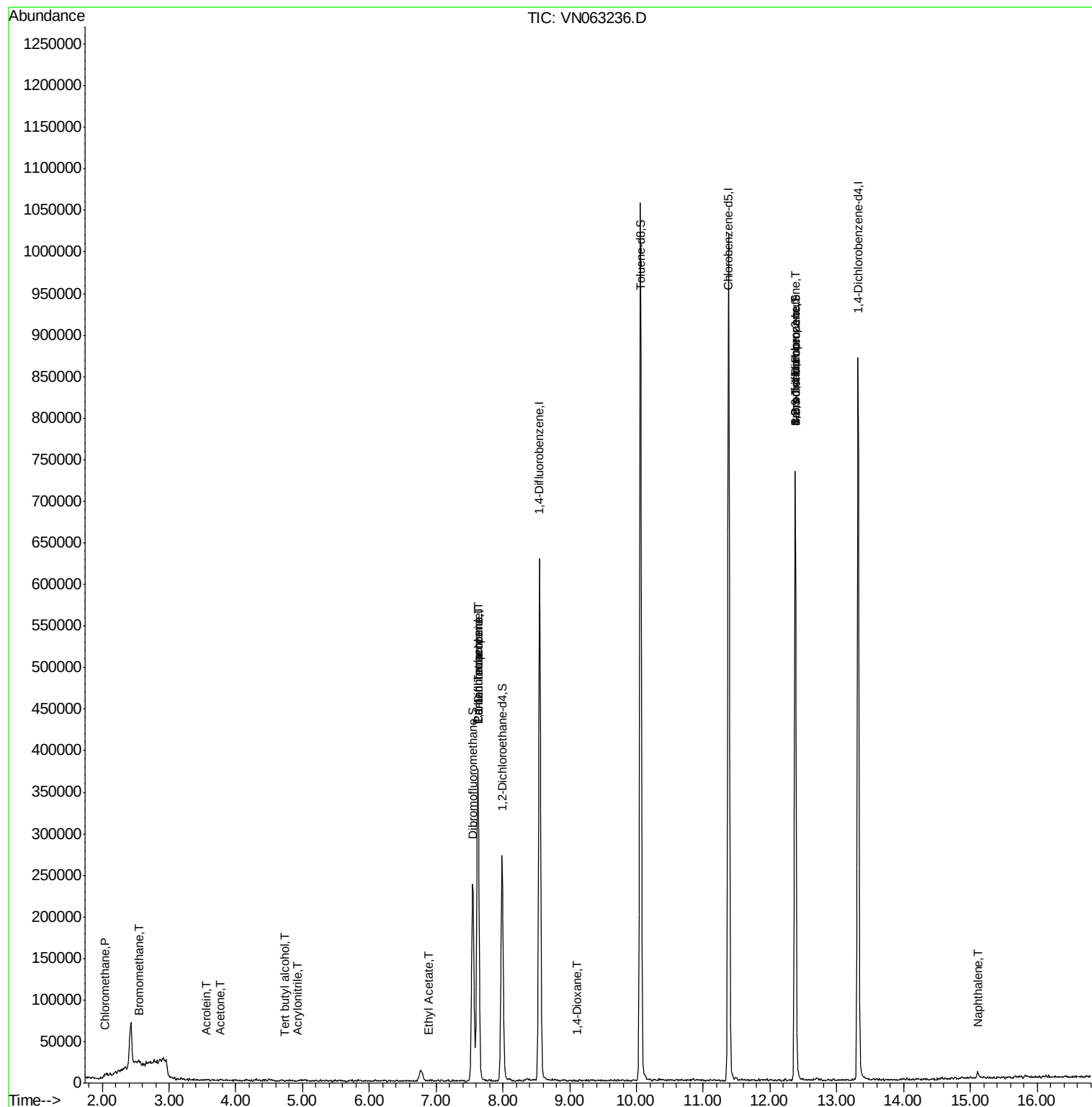
					Qvalue	
3) Chloromethane	2.04	50	1973	0.484	ug/l	98
5) Bromomethane	2.55	94	1224	0.323	ug/l #	51
7) Trichlorofluoromethane	2.99	101	30	Below Cal	#	19
11) Tert butyl alcohol	4.73	59	148	0.260	ug/l #	74
13) Acrolein	3.56	56	66	16.054	ug/l #	15
15) Acrylonitrile	4.93	53	132	2.486	ug/l #	49
16) Acetone	3.78	43	480	0.364	ug/l #	83
20) Methylene Chloride	4.49	84	429	Below Cal	#	42
31) Cyclohexane	7.63	56	8775	Below Cal	#	28
36) 1,1-Dichloropropene	7.62	75	25401	4.836	ug/l #	50
37) Ethyl Acetate	6.88	43	275	0.435	ug/l #	3
38) Carbon Tetrachloride	7.62	117	30798	5.782	ug/l #	14
49) 1,4-Dioxane	9.11	88	33	0.553	ug/l #	1
71) Bromoform	12.38	173	1475	0.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	136946	33.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	136946	80.021	ug/l #	10
95) Naphthalene	15.11	128	5544	0.457	ug/l #	92

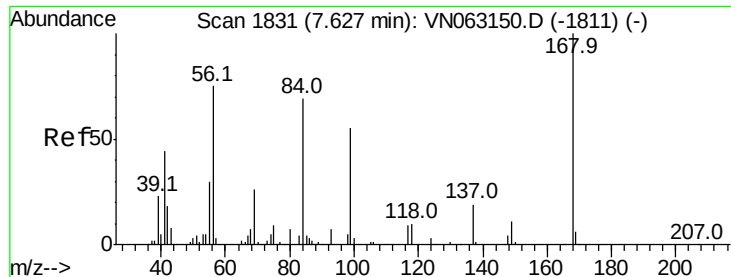
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 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: VN063236.D

Acq: 4 Sep 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

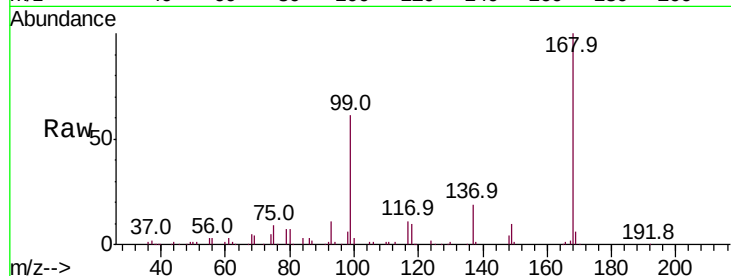
VN0904WBL01

Tot Ion:168 Resp: 283986

Ion Ratio Lower Upper

168 100

99 60.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

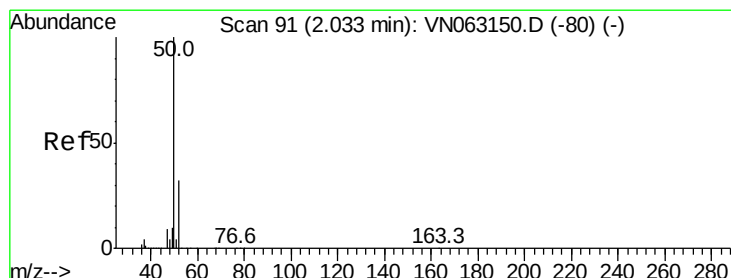
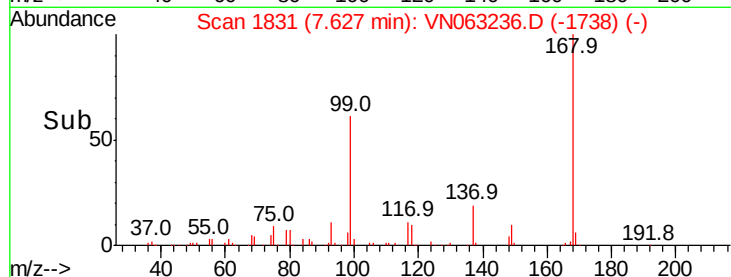
7.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.484 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063236.D

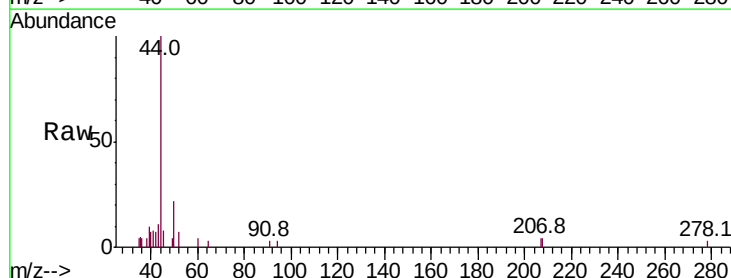
Acq: 4 Sep 2020 10:23

Tgt Ion: 50 Resp: 1973

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

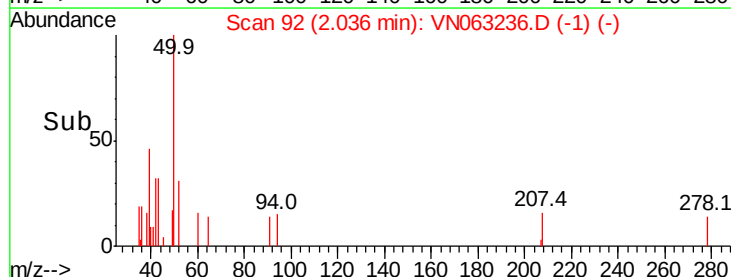
600

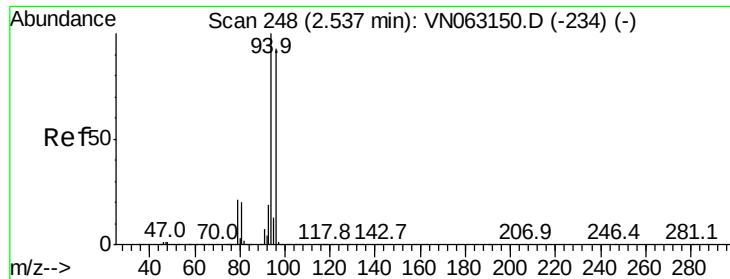
400

200

0

Time-->





#5

Bromomethane

Concen: 0.323 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN063236.D

Acq: 4 Sep 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

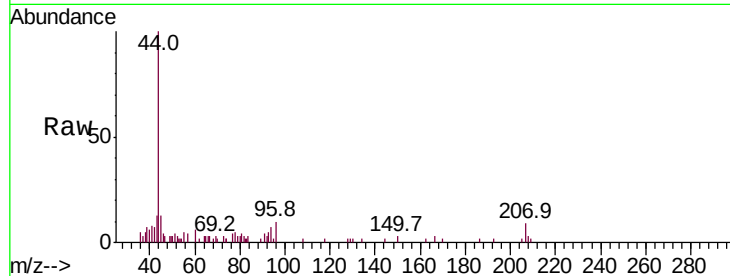
VN0904WBL01

Tot Ion: 94 Resp: 1224

Ion Ratio Lower Upper

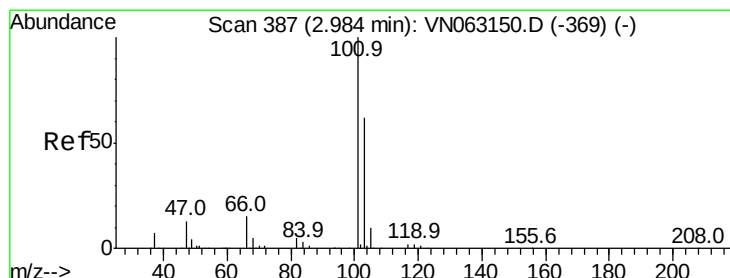
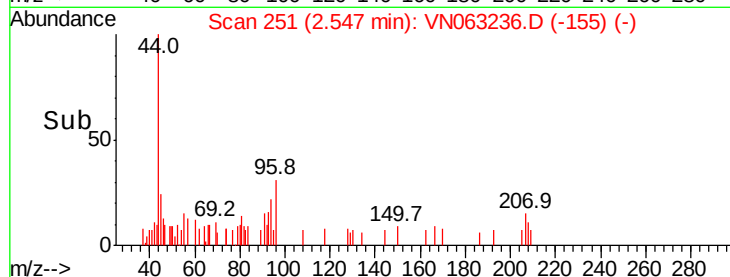
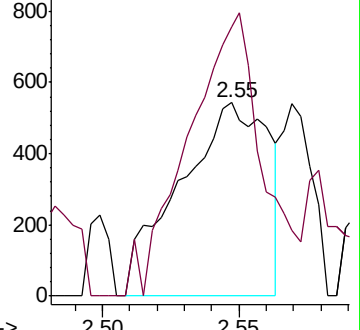
94 100

96 139.6 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN063236.D

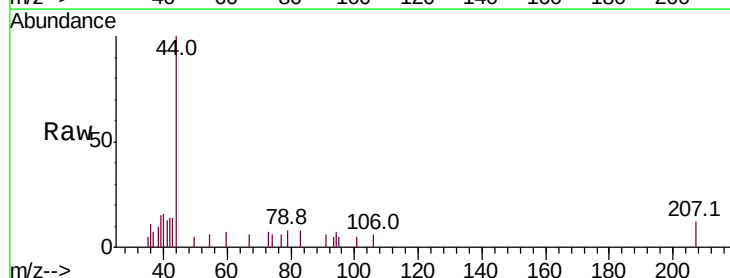
Acq: 4 Sep 2020 10:23

Tgt Ion:101 Resp: 30

Ion Ratio Lower Upper

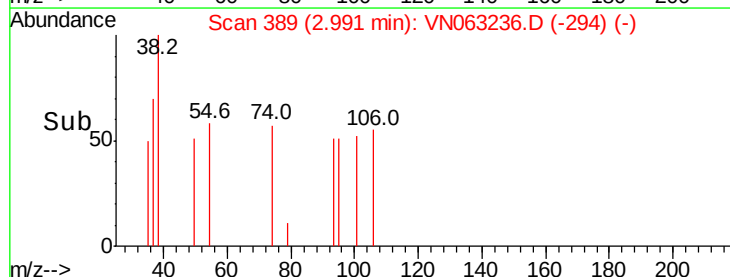
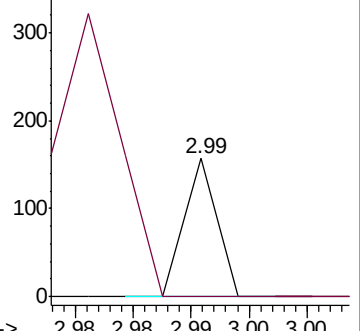
101 100

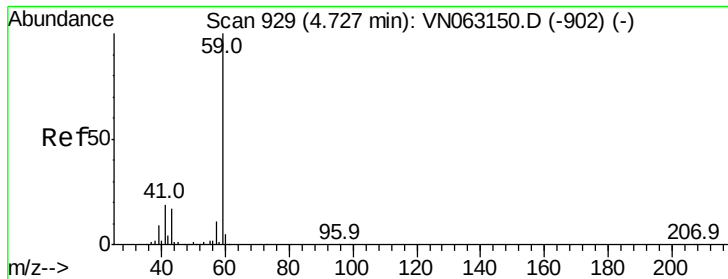
103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

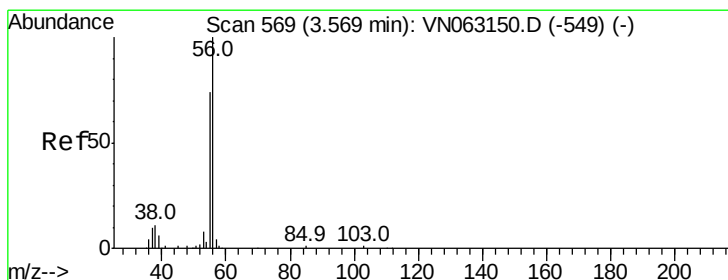
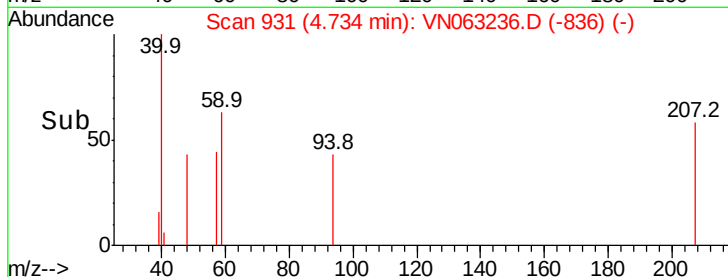
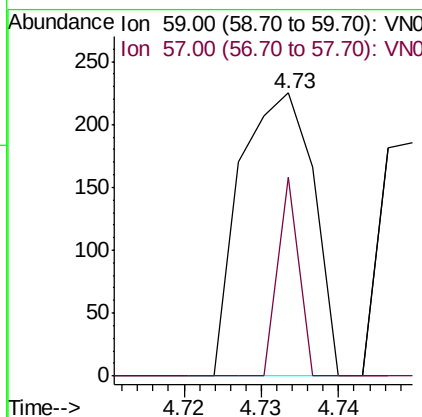
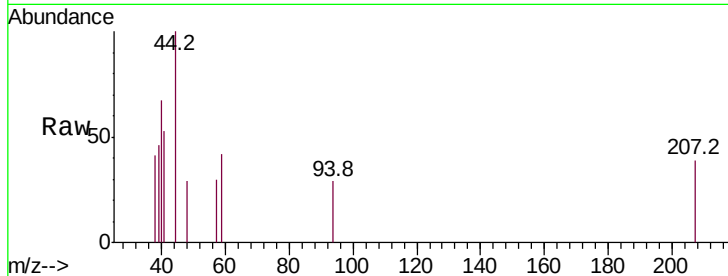




#11
Tert butyl alcohol
Concen: 0.260 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

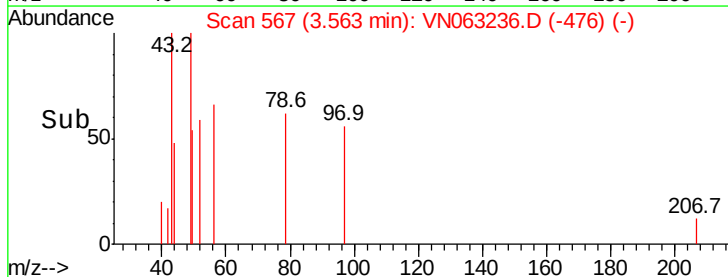
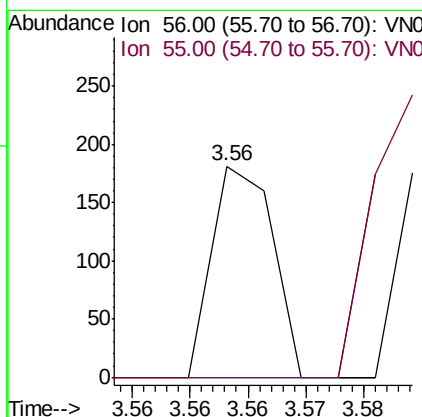
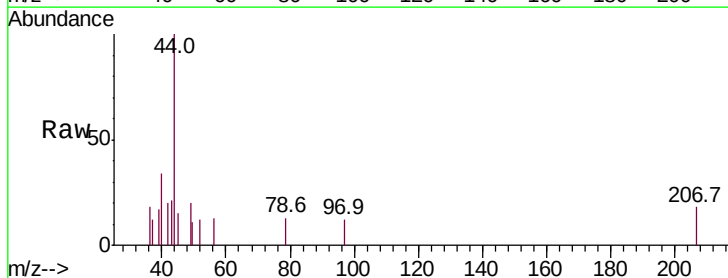
Instrument :
MSVOA_N
ClientSampled :
VN0904WBL01

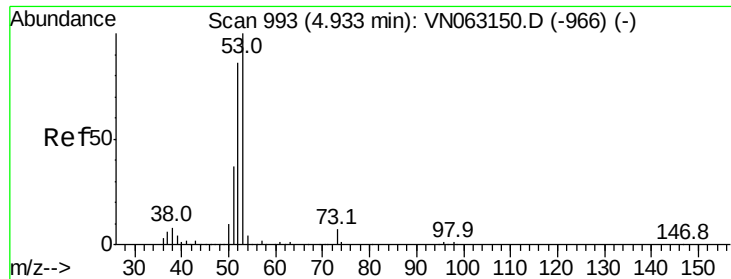
Tot Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 20.3 8.4 12.6#



#13
Acrolein
Concen: 16.054 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#





#15

Acrylonitrile

Concen: 2.486 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN063236.D

Acq: 4 Sep 2020 10:23

Instrument :

MSVOA_N

ClientSampled :

VN0904WBL01

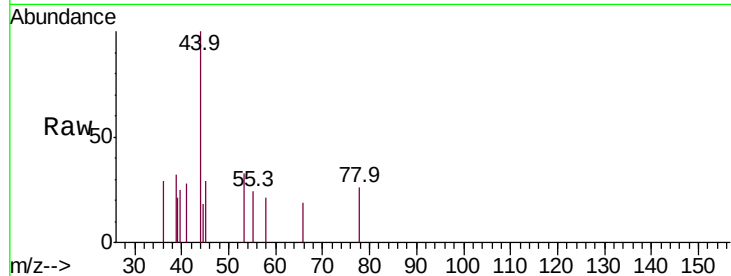
Tot Ion: 53 Resp: 132

Ion Ratio Lower Upper

53 100

52 24.2 67.2 100.8#

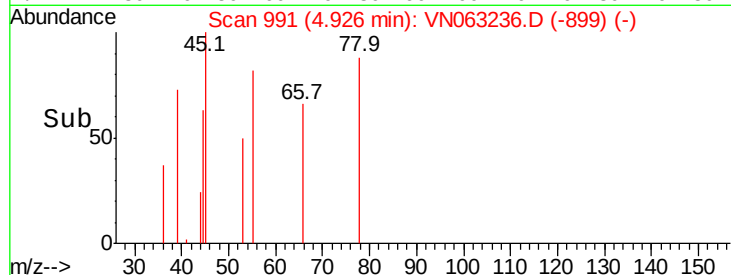
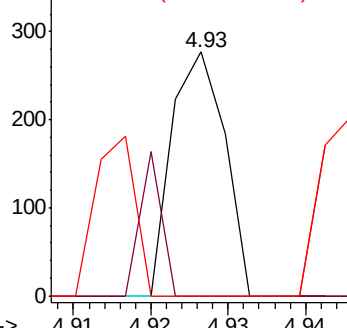
51 49.2 30.2 45.4#



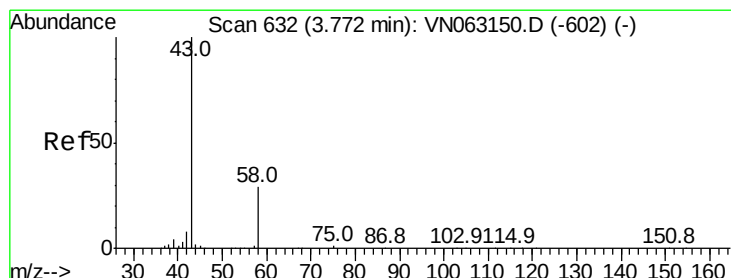
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 0.364 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063236.D

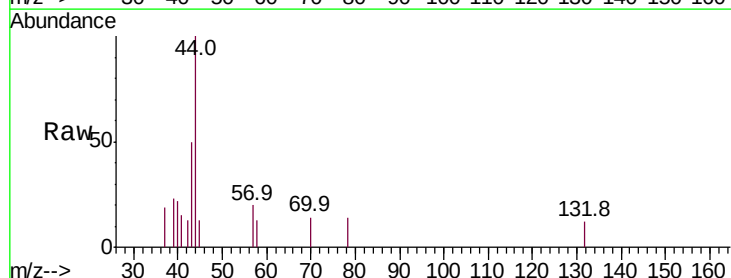
Acq: 4 Sep 2020 10:23

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

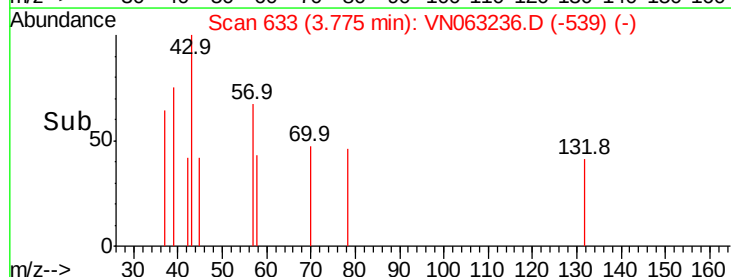
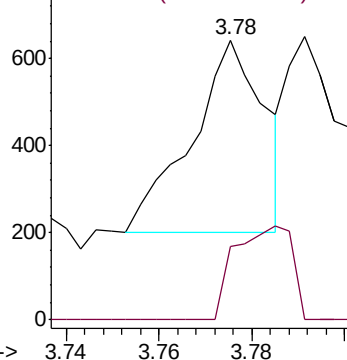
43 100

58 37.9 23.1 34.7#

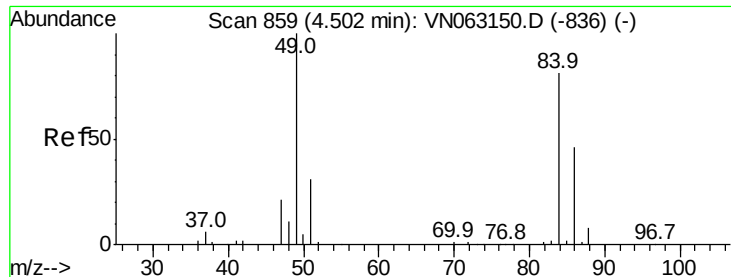


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



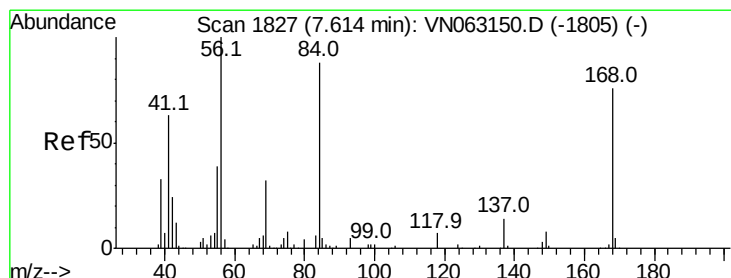
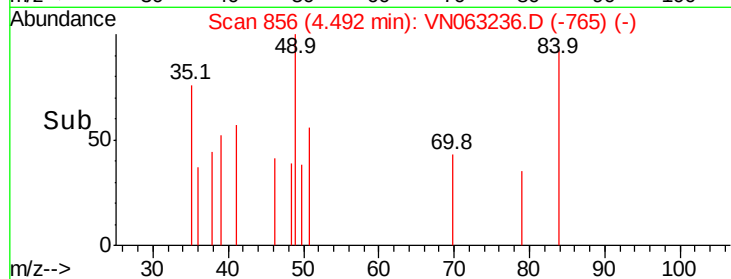
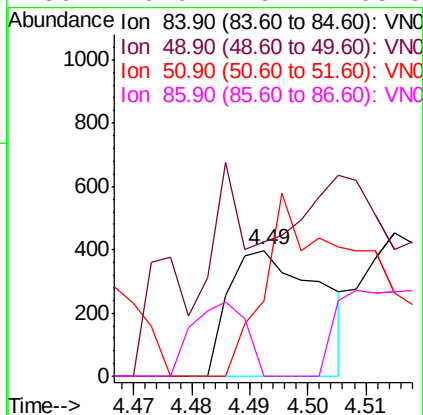
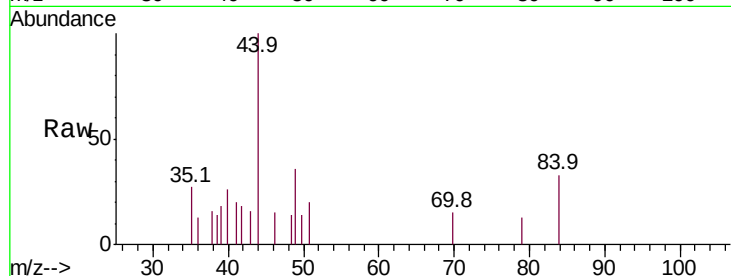
Time-->



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

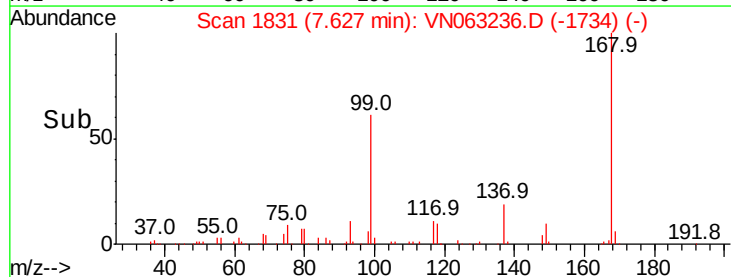
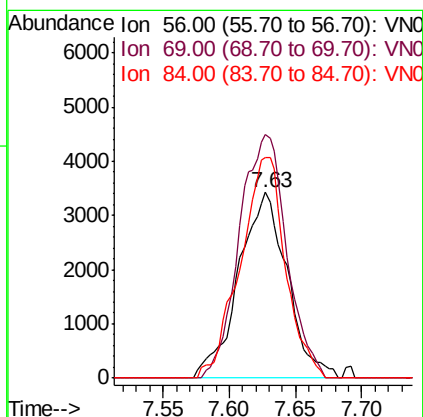
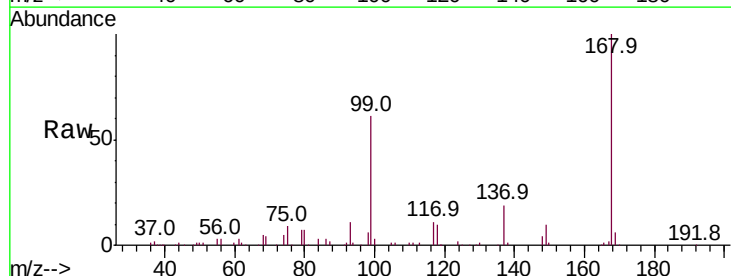
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

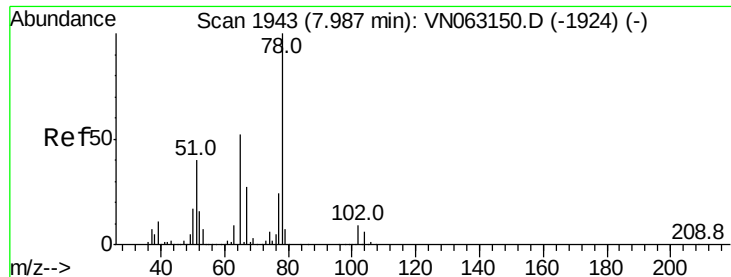
Tot Ion: 84 Resp: 429
Ion Ratio Lower Upper
84 100
49 59.4 98.4 147.6#
51 59.9 30.4 45.6#
86 0.0 45.7 68.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion: 56 Resp: 8775
Ion Ratio Lower Upper
56 100
69 131.3 25.4 38.0#
84 119.0 70.2 105.4#

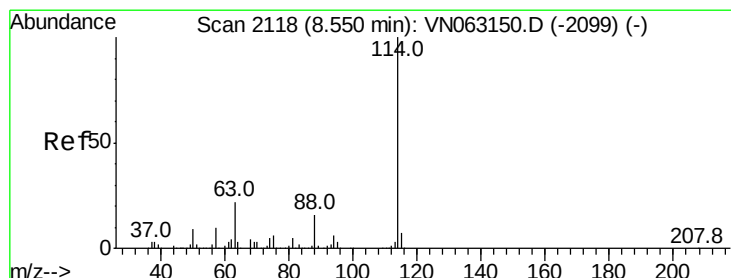
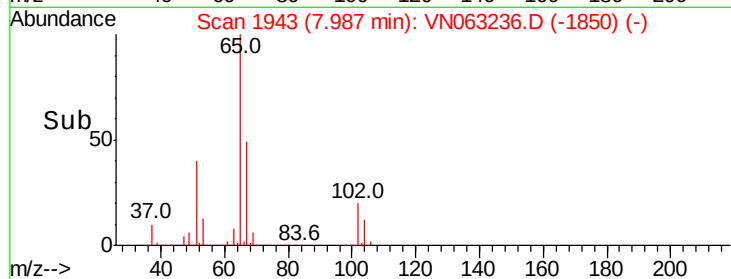
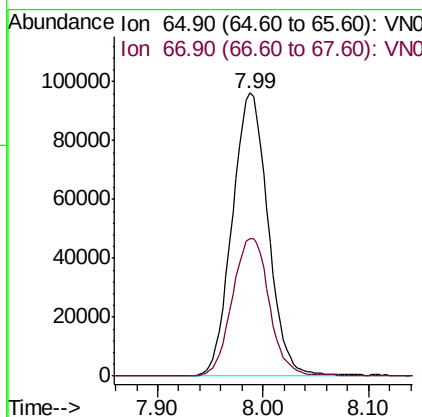
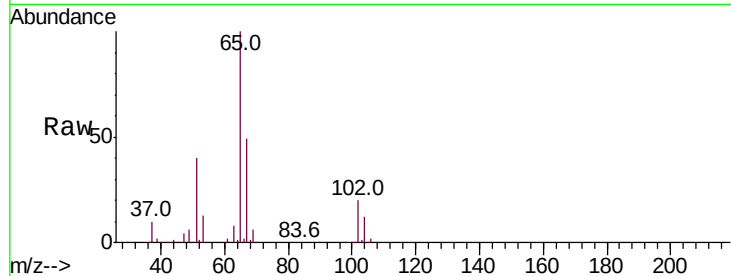




#33
 1,2-Dichloroethane-d4
 Concen: 48.885 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063236.D
 Acq: 4 Sep 2020 10:23

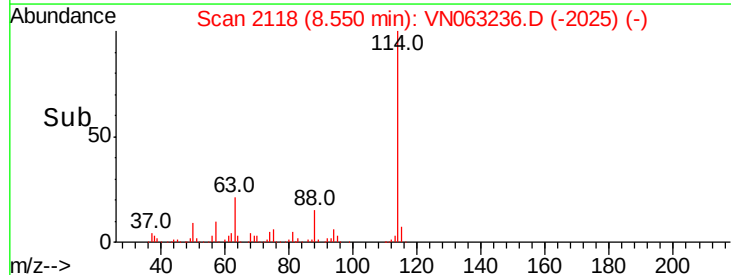
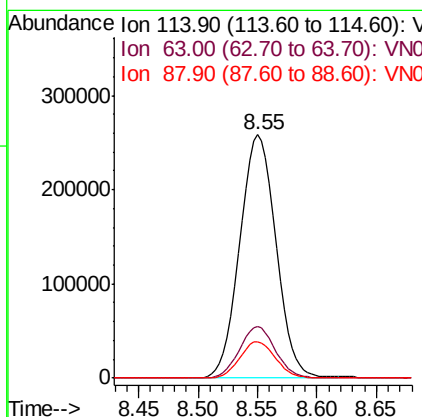
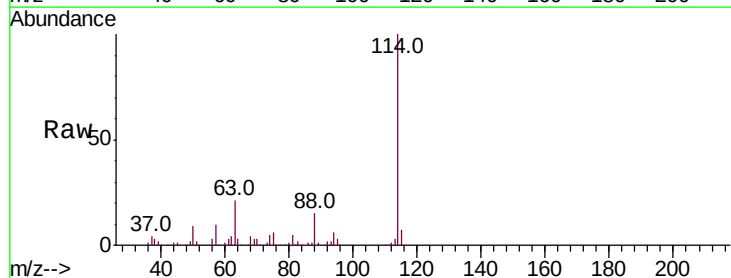
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL01

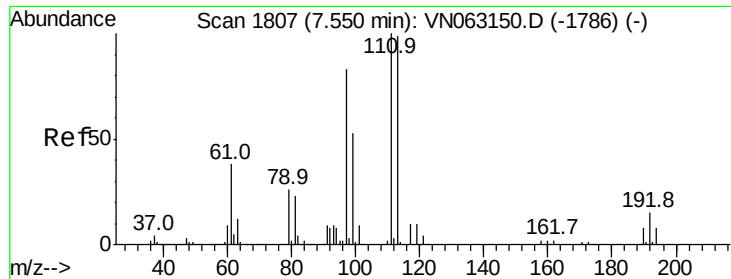
Tot Ion: 65 Resp: 226940
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063236.D
 Acq: 4 Sep 2020 10:23

Tgt Ion: 114 Resp: 546323
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 14.9 0.0 31.6

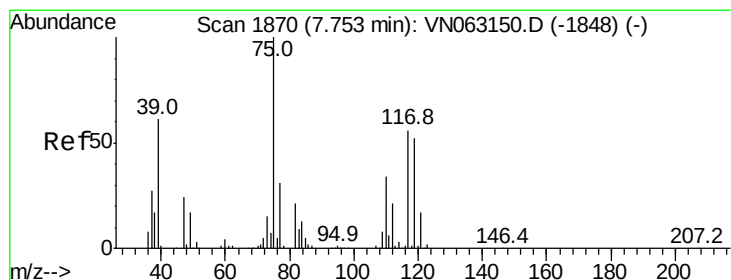
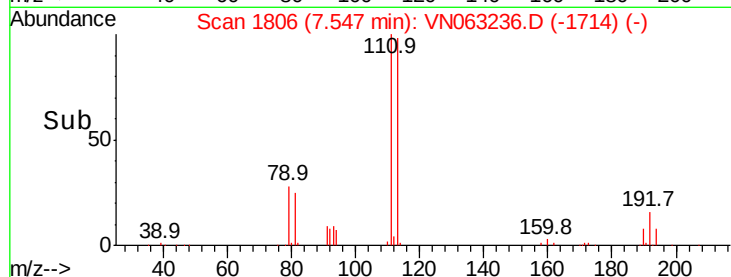
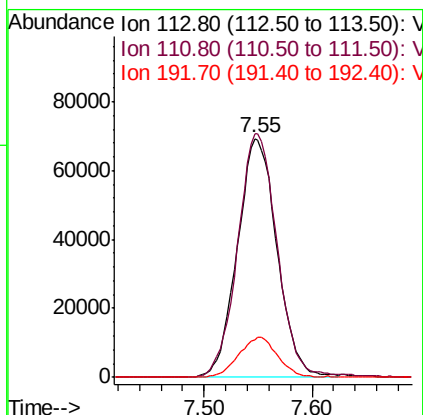
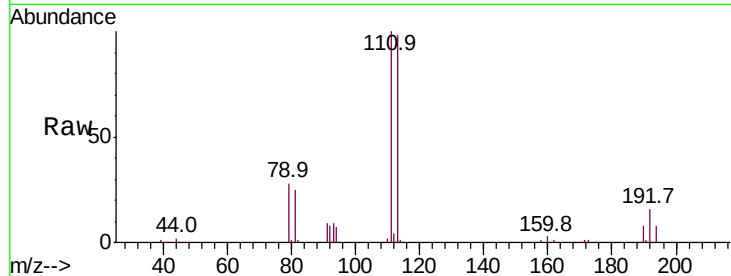




#35
Dibromofluoromethane
Concen: 50.462 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

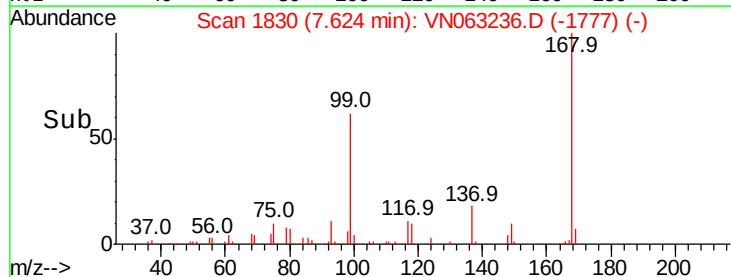
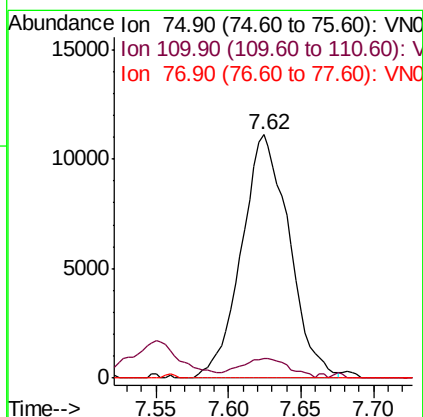
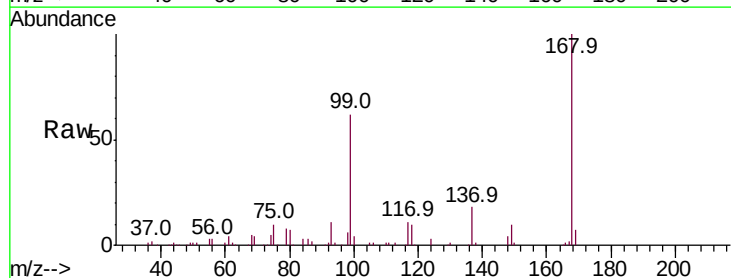
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

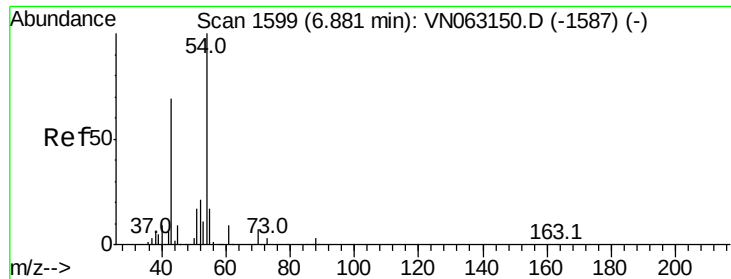
Tot Ion:113 Resp: 176868
Ion Ratio Lower Upper
113 100
111 102.5 80.7 121.1
192 16.5 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion: 75 Resp: 25401
Ion Ratio Lower Upper
75 100
110 8.4 16.6 49.8#
77 0.0 25.4 38.2#

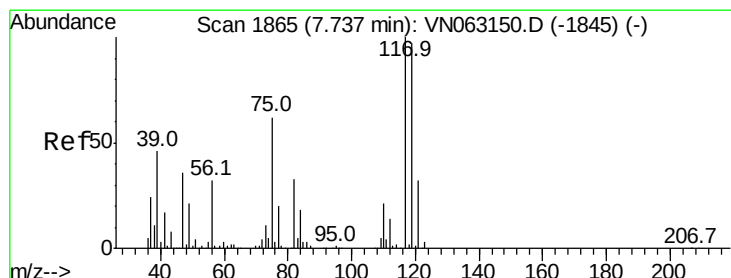
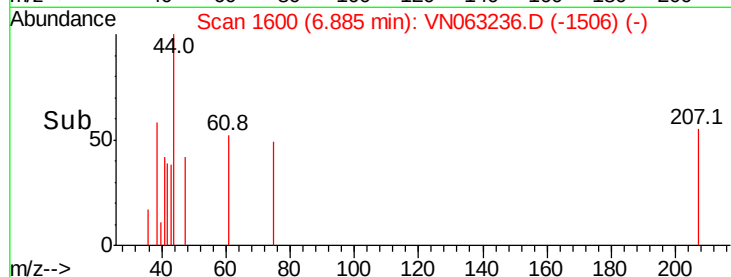
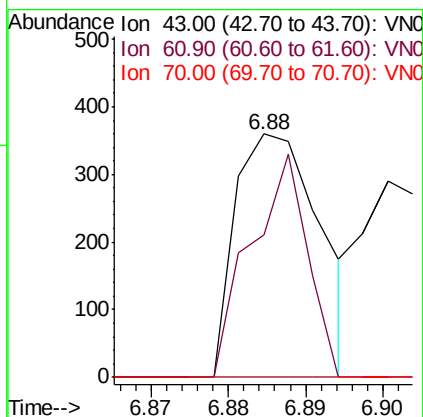
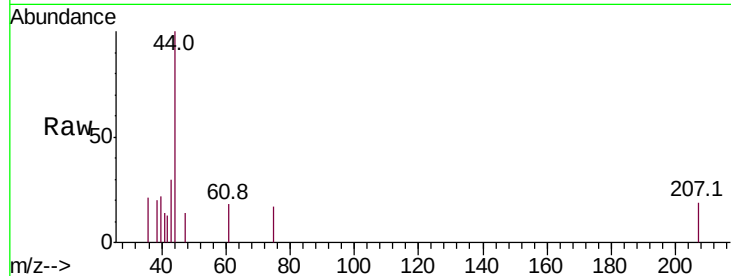




#37
Ethyl Acetate
Concen: 0.435 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

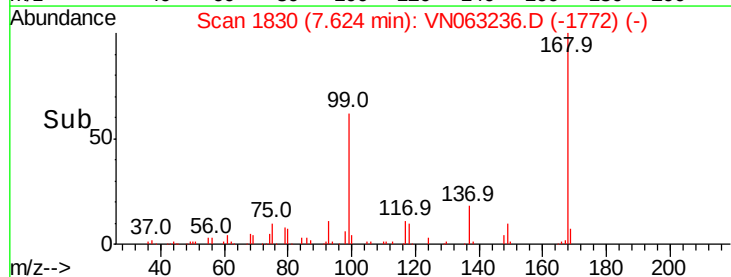
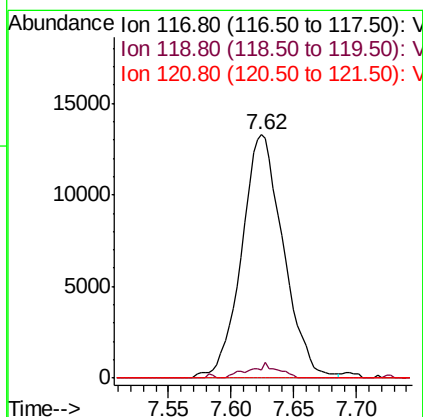
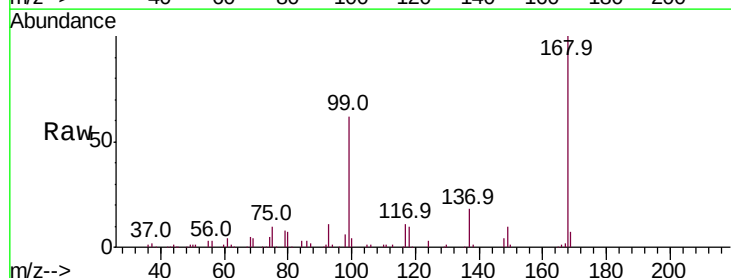
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

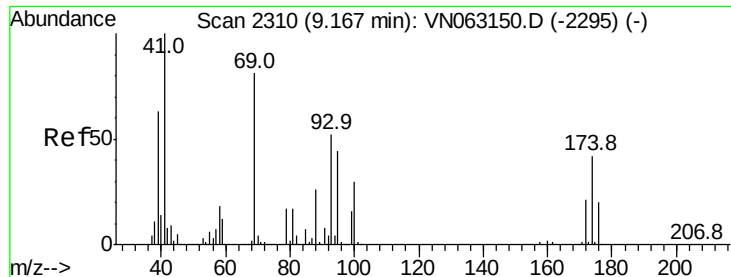
Tot Ion: 43 Resp: 275
Ion Ratio Lower Upper
43 100
61 61.5 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion: 117 Resp: 30798
Ion Ratio Lower Upper
117 100
119 3.3 77.2 115.8#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 0.553 ug/l

RT: 9.11 min Scan# 2293

Delta R.T. -0.05 min

Lab File: VN063236.D

Acq: 4 Sep 2020 10:23

Instrument :

MSVOA_N

ClientSampled :

VN0904WBL01

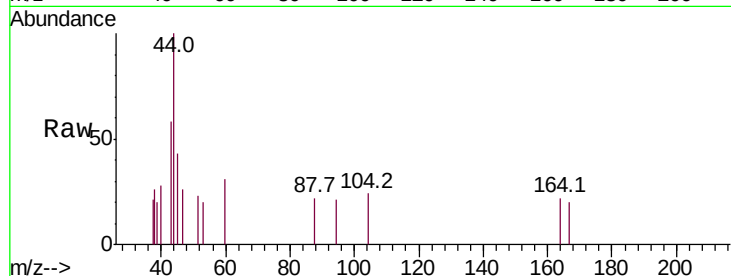
Tot Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 603.0 28.6 42.8#

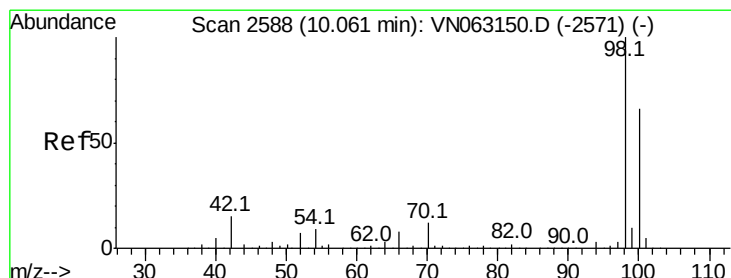
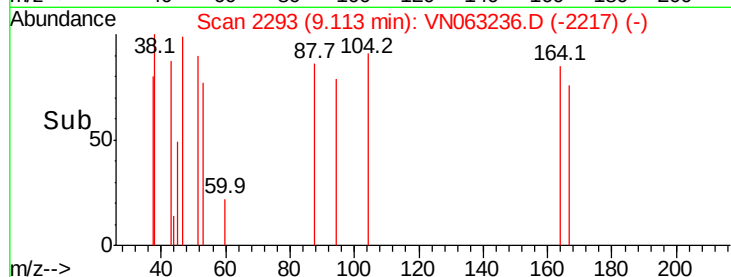
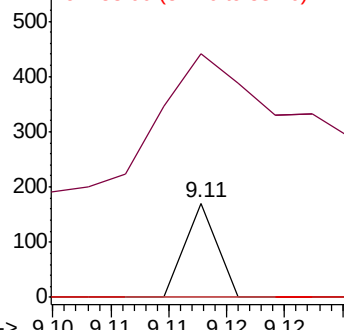
58 184.8 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.136 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063236.D

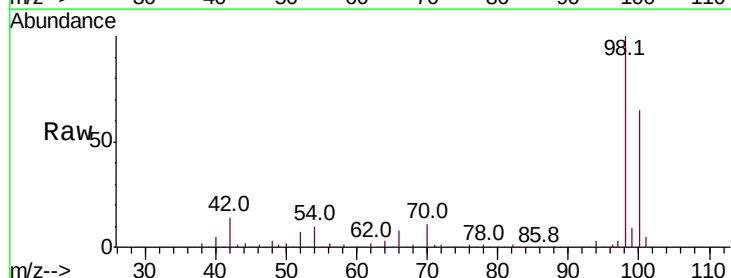
Acq: 4 Sep 2020 10:23

Tgt Ion: 98 Resp: 703344

Ion Ratio Lower Upper

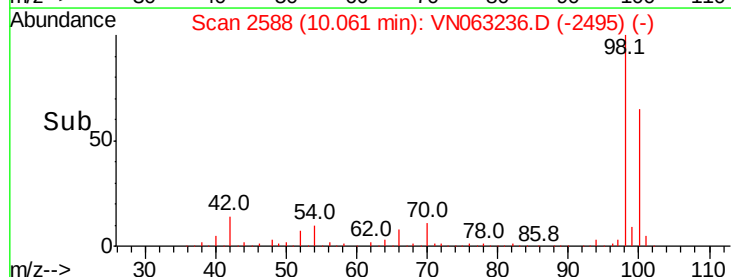
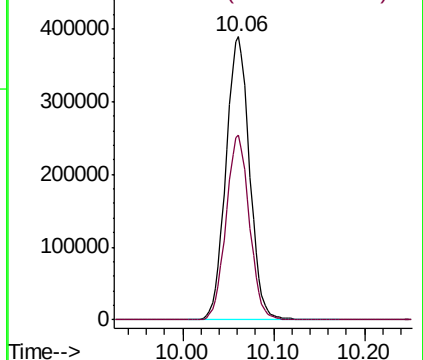
98 100

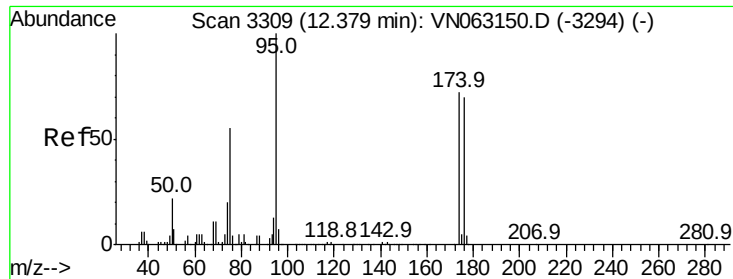
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

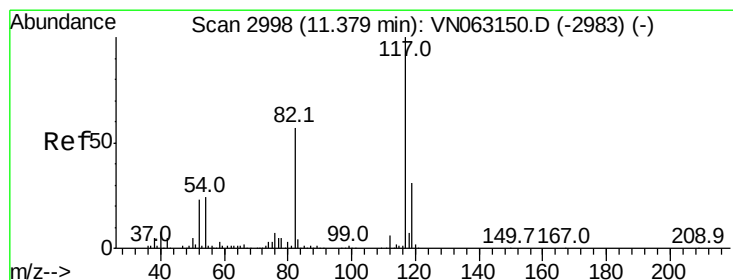
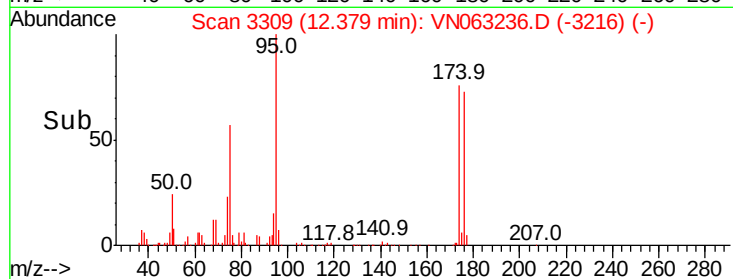
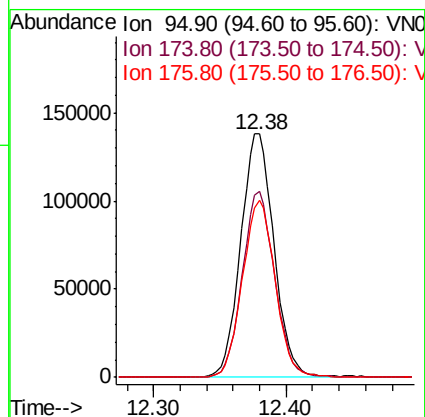
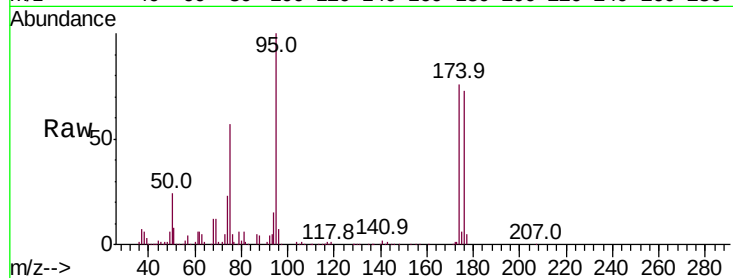




#62
4-Bromofluorobenzene
Concen: 50.965 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

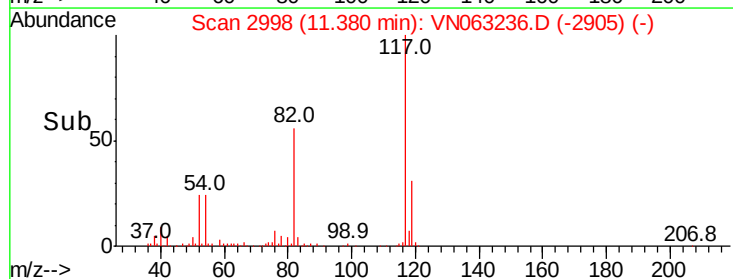
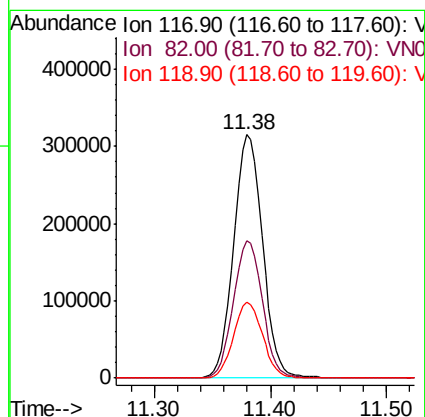
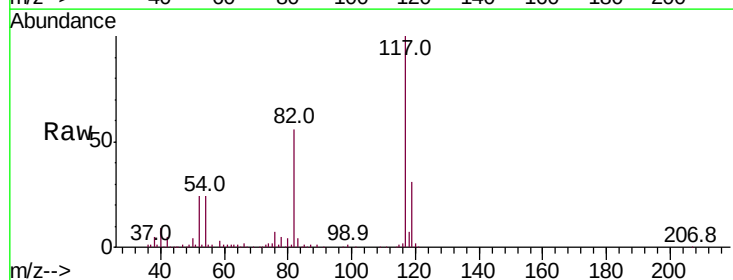
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

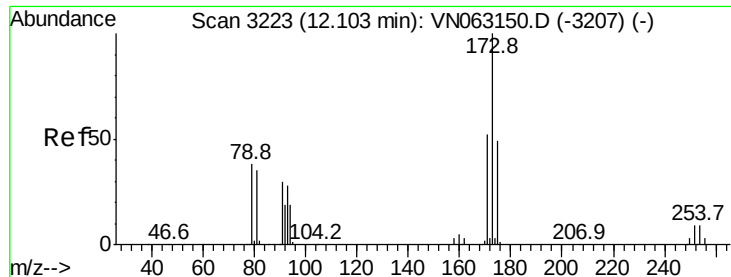
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	143.8
176	71.7	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	31.2	24.6	37.0

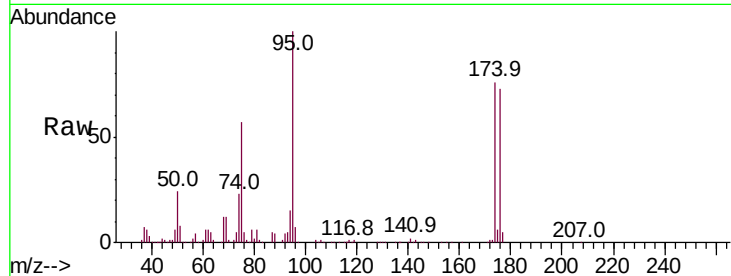




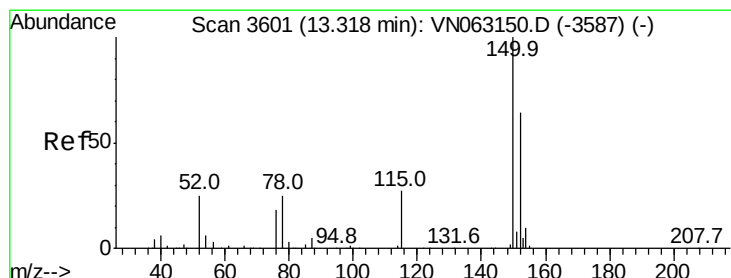
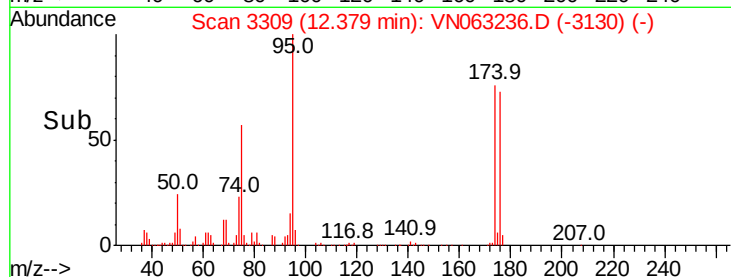
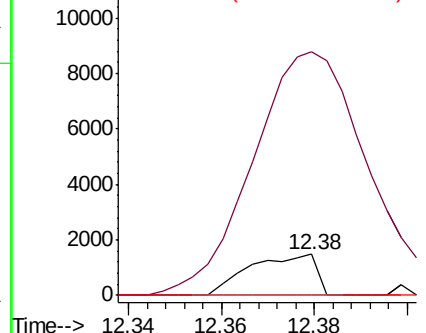
#71
Bromoform
Concen: 0.534 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

Tot Ion:173 Resp: 1475
Ion Ratio Lower Upper
173 100
175 860.3 24.6 73.8#
254 0.0 0.0 0.0

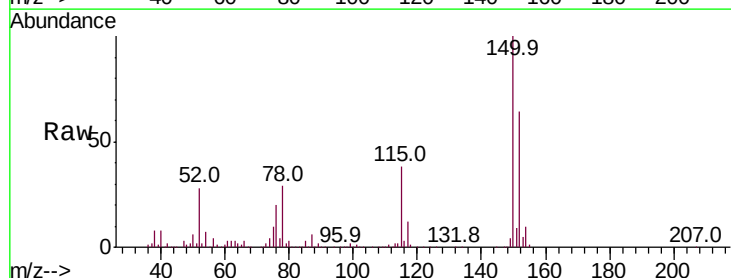


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

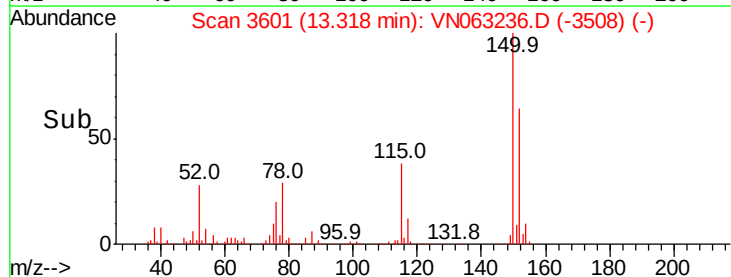
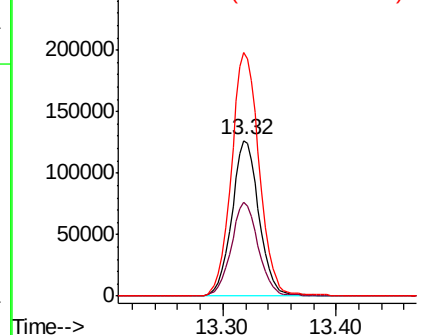


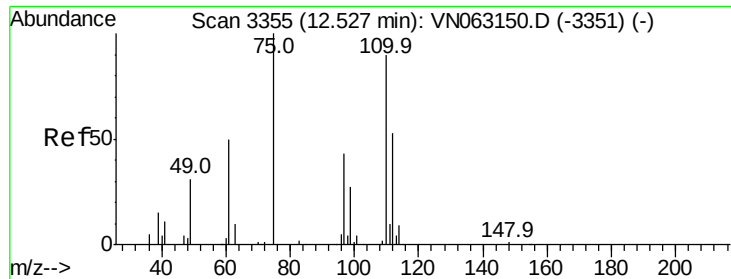
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063236.D
Acq: 4 Sep 2020 10:23

Tgt Ion:152 Resp: 210525
Ion Ratio Lower Upper
152 100
115 60.5 32.0 96.2
150 160.7 0.0 353.0



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

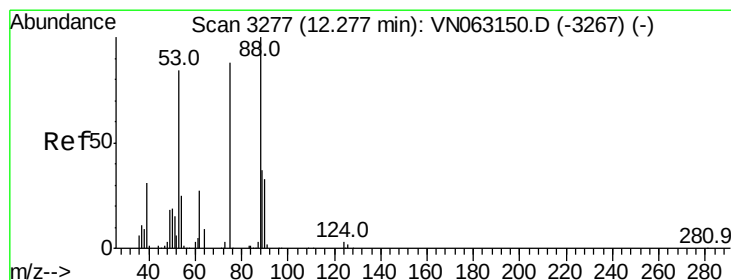
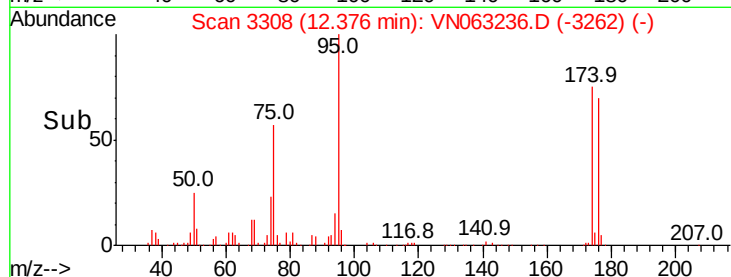
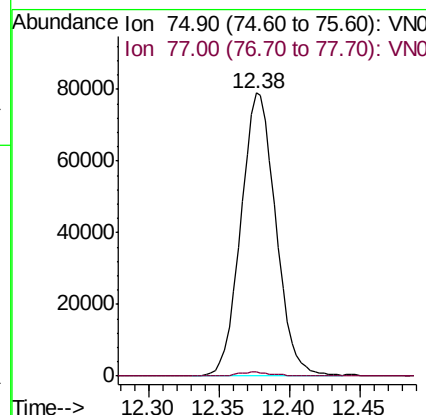
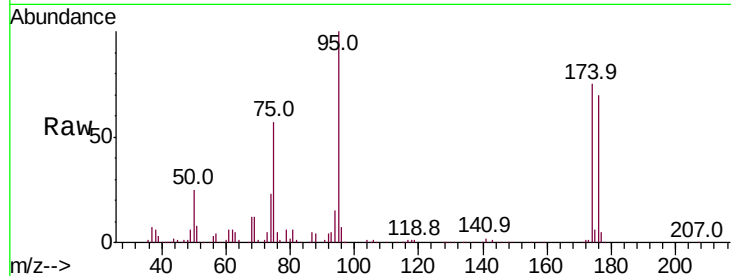




#76
 1,2,3-Trichloropropane
 Concen: 33.108 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063236.D
 Acq: 4 Sep 2020 10:23

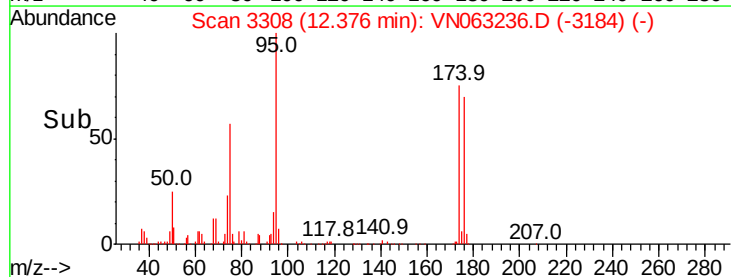
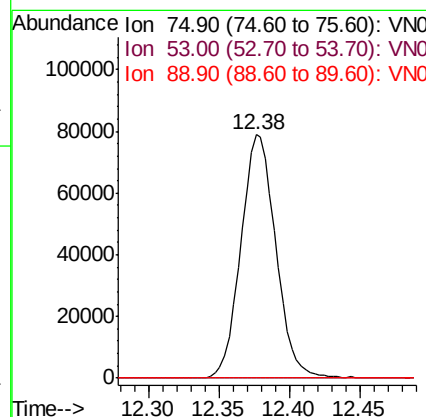
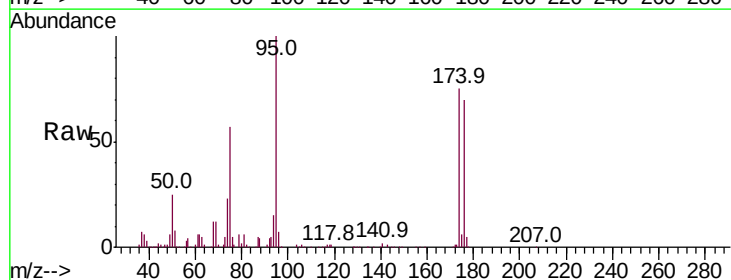
Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBL01

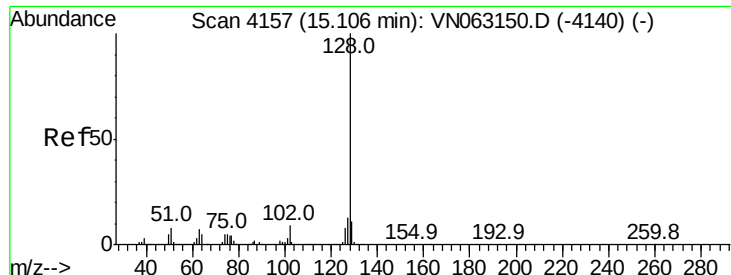
Tot Ion: 75 Resp: 136946
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.021 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063236.D
 Acq: 4 Sep 2020 10:23

Tgt Ion: 75 Resp: 136946
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.7 118.1#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 0.457 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.00 min

Lab File: VN063236.D

Acq: 4 Sep 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL01

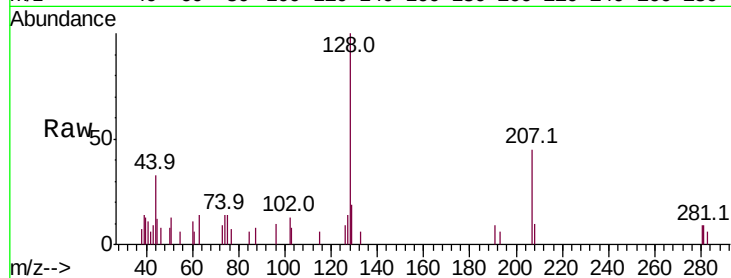
Tot Ion:128 Resp: 5544

Ion Ratio Lower Upper

128 100

127 10.4 10.5 15.7#

129 14.5 8.6 13.0#



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

