

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063242.D
 Acq On : 4 Sep 2020 13:01
 Operator : JC/MD
 Sample : L3886-12 10X
 Misc : 1.11g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

Quant Time: Sep 05 07:29:50 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	265888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	518310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	506997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	214345	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.55	113	163369	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.06	98	647932	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.38	95	223896	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

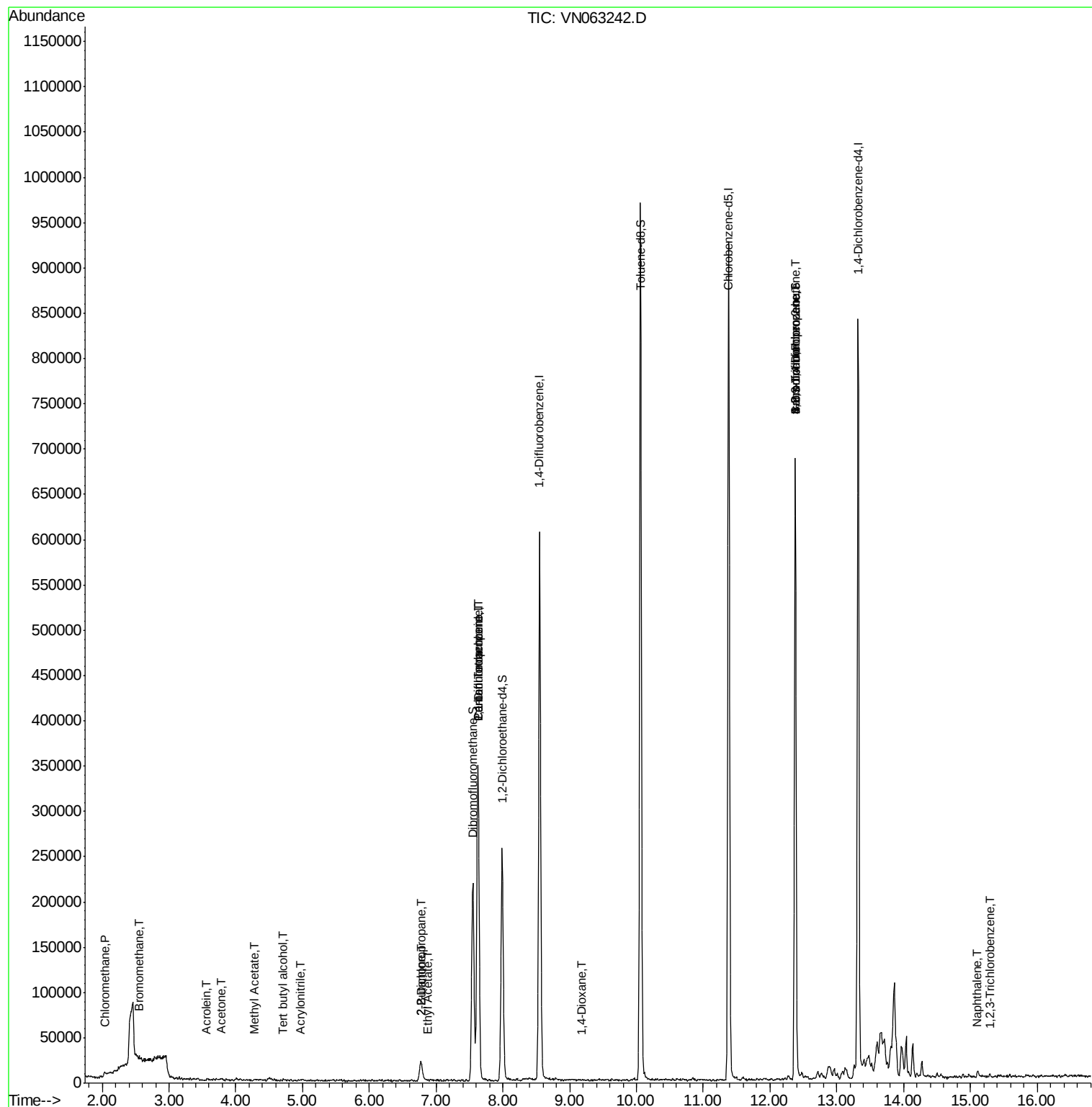
						Qvalue
3) Chloromethane	2.03	50	1154	0.303	ug/l #	82
5) Bromomethane	2.54	94	1640	0.463	ug/l #	36
7) Trichlorofluoromethane	2.99	101	106	Below Cal	#	19
11) Tert butyl alcohol	4.71	59	367	0.688	ug/l #	72
13) Acrolein	3.56	56	131	16.373	ug/l #	15
15) Acrylonitrile	4.98	53	592	2.796	ug/l #	19
16) Acetone	3.78	43	1753	1.419	ug/l	93
18) Methyl Acetate	4.28	43	867	0.274	ug/l #	52
25) 2-Butanone	6.78	43	1546	0.808	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	1619	0.279	ug/l #	55
31) Cyclohexane	7.63	56	8469	Below Cal	#	45
36) 1,1-Dichloropropene	7.63	75	25224	5.062	ug/l #	51
37) Ethyl Acetate	6.89	43	70	0.395	ug/l #	72
38) Carbon Tetrachloride	7.63	117	28681	5.676	ug/l #	16
49) 1,4-Dioxane	9.17	88	29	0.512	ug/l #	1
71) Bromoform	12.37	173	908	0.353	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	128303	31.865	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	128303	77.017	ug/l #	10
95) Naphthalene	15.11	128	6145	0.520	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.29	180	760	0.220	ug/l	85

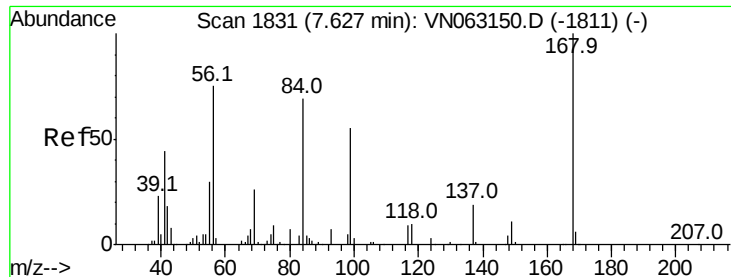
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
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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: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

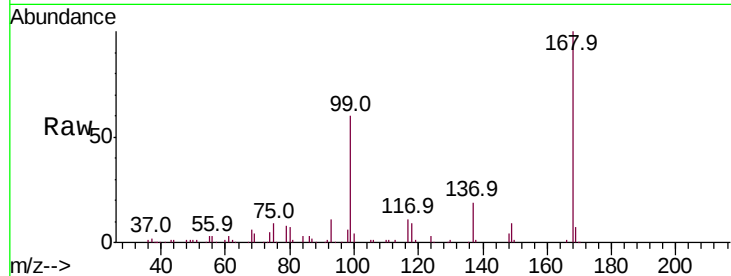
TOTE-31230

Tot Ion:168 Resp: 265888

Ion Ratio Lower Upper

168 100

99 59.6 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

7.63

120000

100000

80000

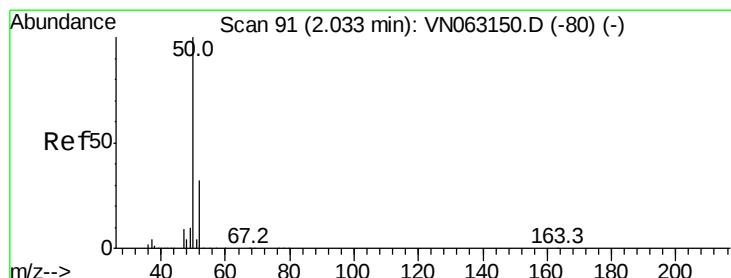
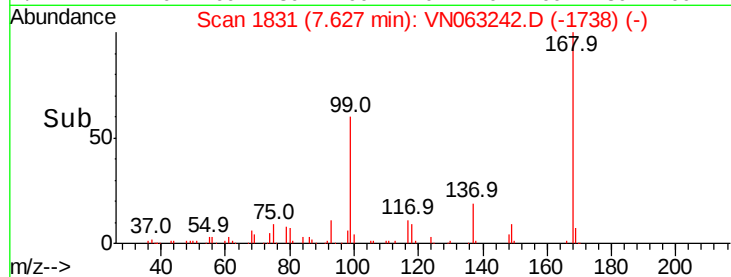
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.303 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063242.D

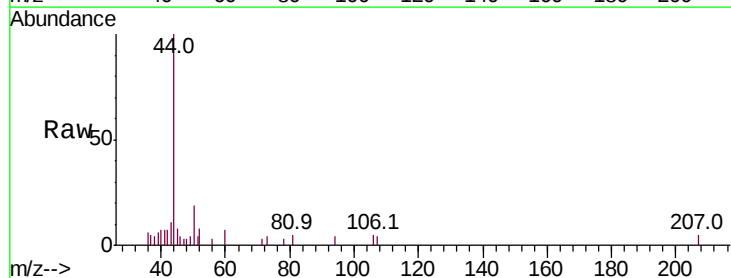
Acq: 4 Sep 2020 13:01

Tgt Ion: 50 Resp: 1154

Ion Ratio Lower Upper

50 100

52 42.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063150.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN063150.D (-80) (-)

2.03

1000

800

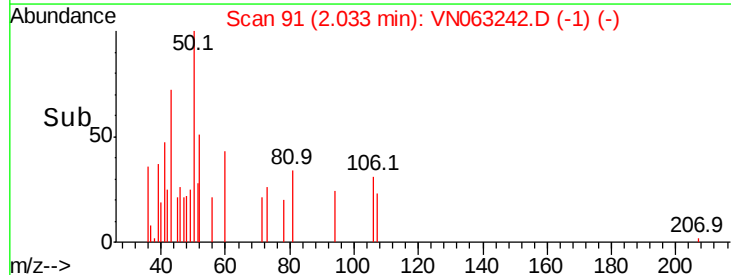
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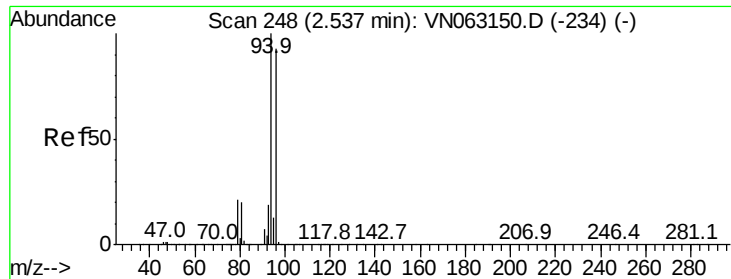
400

200

0

Time--> 2.00 2.02 2.04





#5

Bromomethane

Concen: 0.463 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

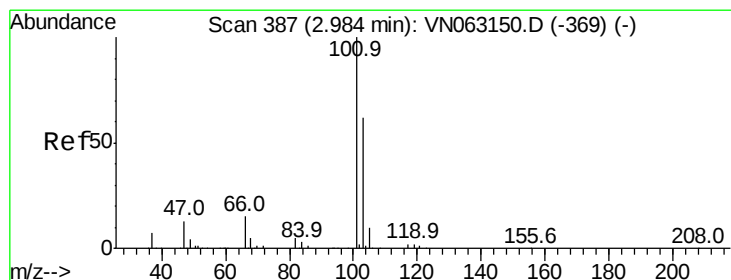
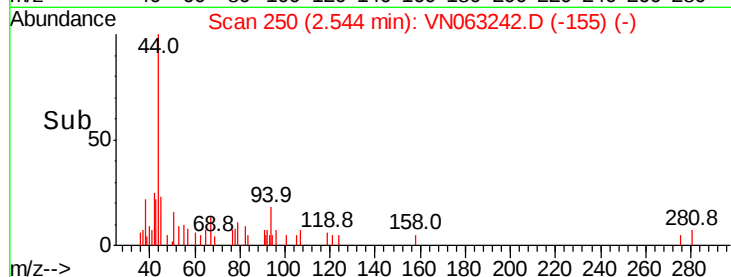
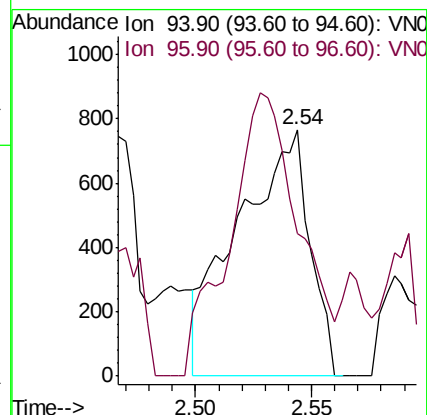
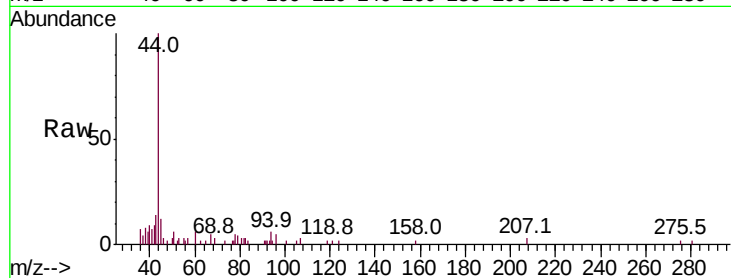
TOTE-31230

Tot Ion: 94 Resp: 1640

Ion Ratio Lower Upper

94 100

96 31.8 74.4 111.6#



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN063242.D

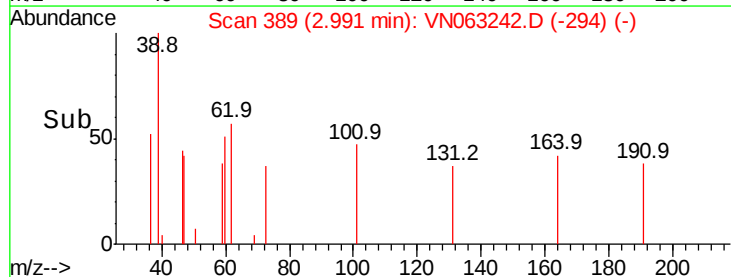
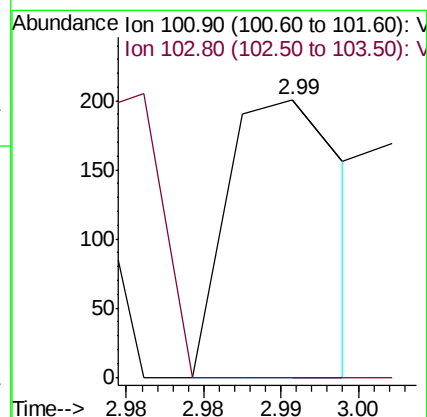
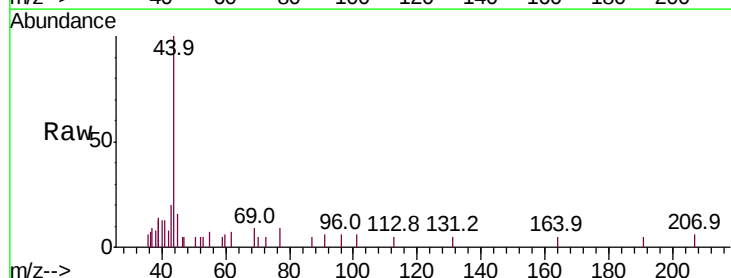
Acq: 4 Sep 2020 13:01

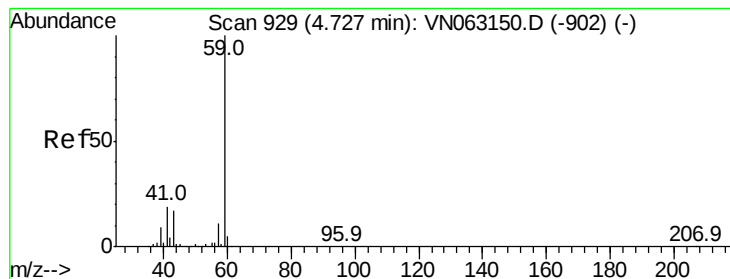
Tgt Ion: 101 Resp: 106

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#



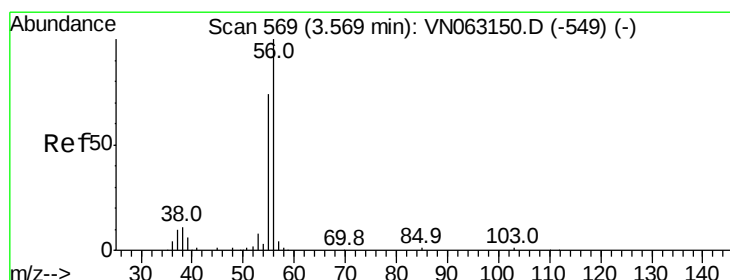
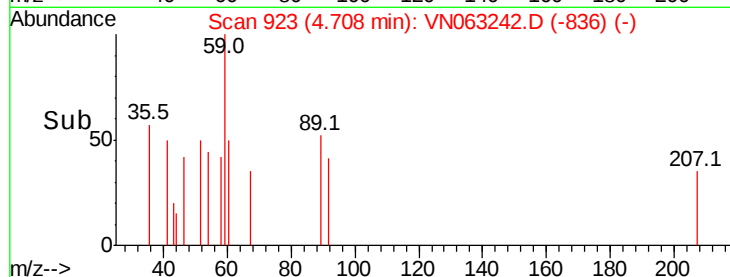
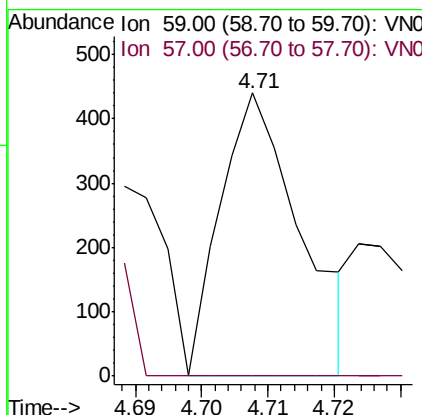
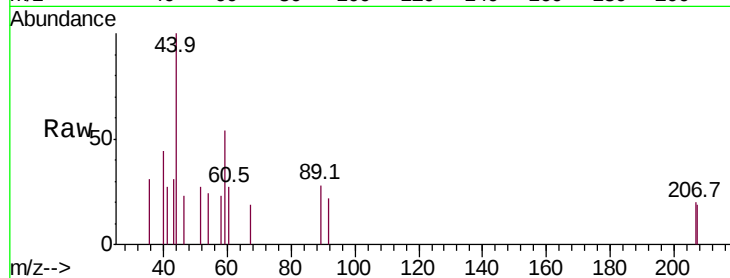


#11

Tert butyl alcohol
 Concen: 0.688 ug/l
 RT: 4.71 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 TOTE-31230

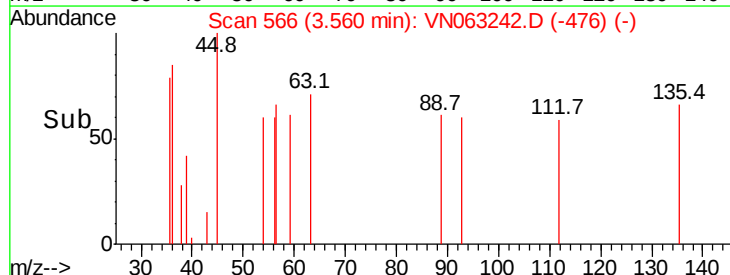
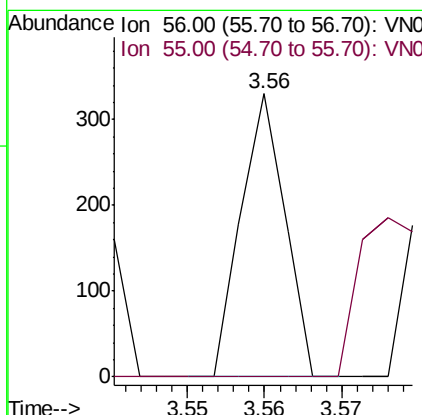
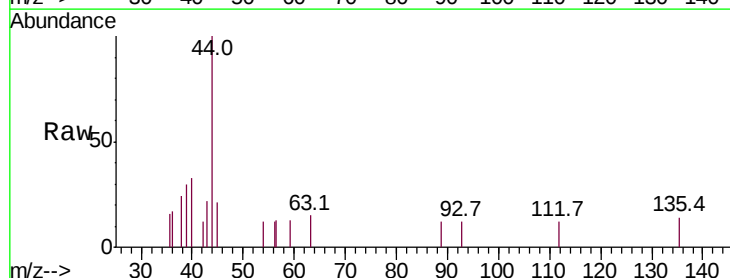
Tot Ion: 59 Resp: 367
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

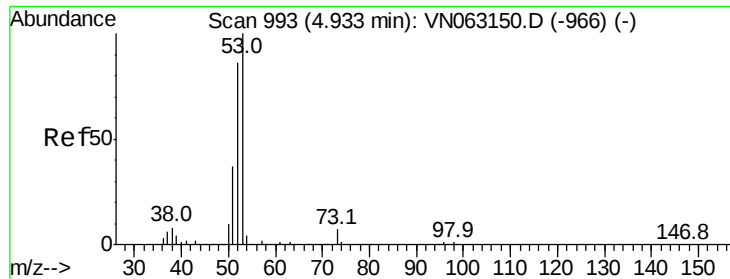


#13

Acrolein
 Concen: 16.373 ug/l
 RT: 3.56 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

Tgt Ion: 56 Resp: 131
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.0#





#15

Acrylonitrile

Concen: 2.796 ug/l

RT: 4.98 min Scan# 1007

Delta R.T. 0.05 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

TOTE-31230

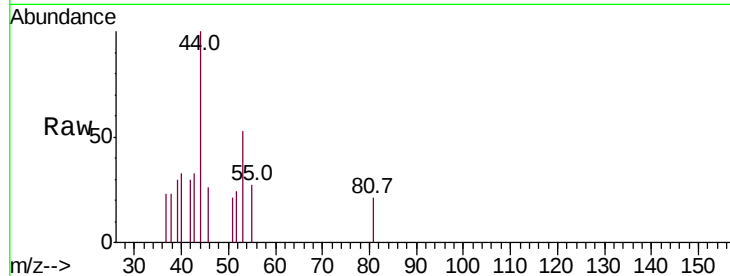
Tot Ion: 53 Resp: 592

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 5.1 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN063242.D (-1007) (-)

Ion 52.00 (51.70 to 52.70): VN063242.D (-1007) (-)

Ion 51.00 (50.70 to 51.70): VN063242.D (-1007) (-)

4.98

400

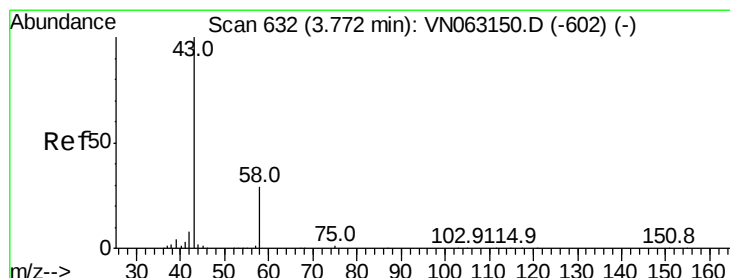
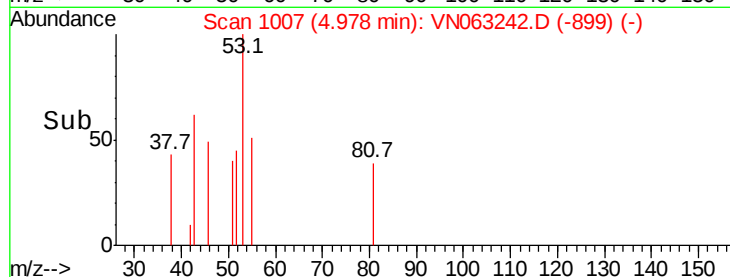
300

200

100

0

Time-->



#16

Acetone

Concen: 1.419 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063242.D

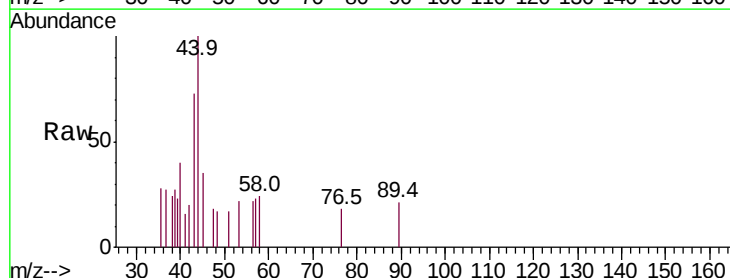
Acq: 4 Sep 2020 13:01

Tgt Ion: 43 Resp: 1753

Ion Ratio Lower Upper

43 100

58 32.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063242.D (-635) (-)

Ion 58.00 (57.70 to 58.70): VN063242.D (-635) (-)

800

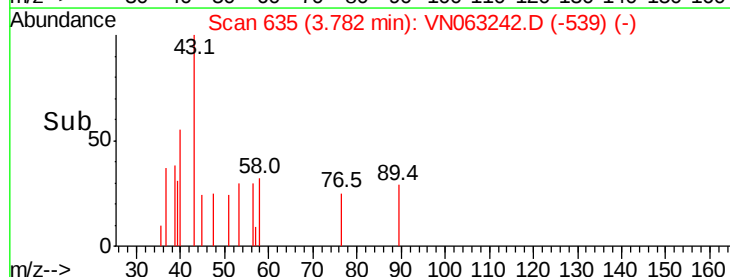
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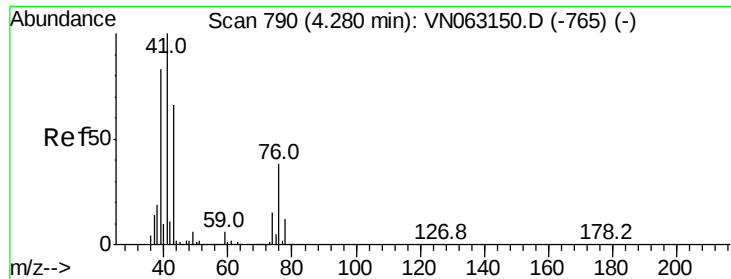
400

200

0

Time-->

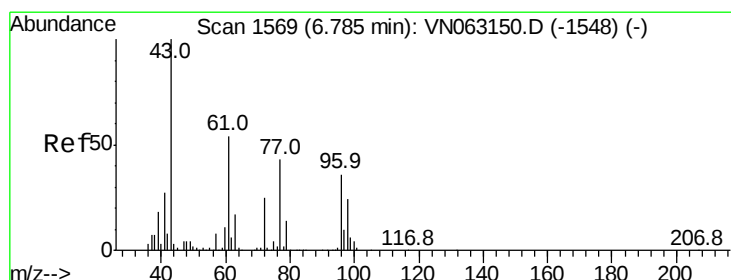
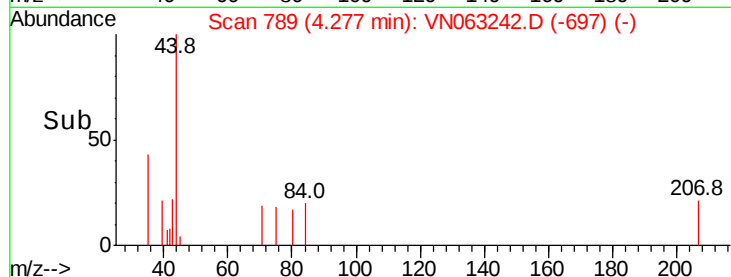
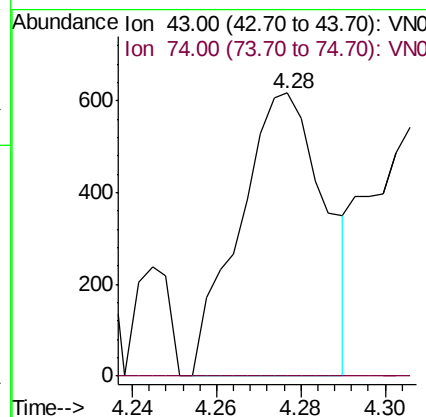
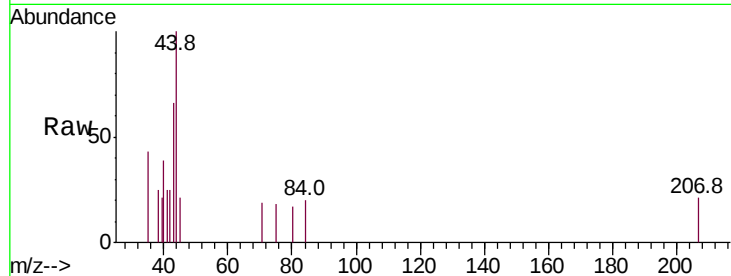




#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

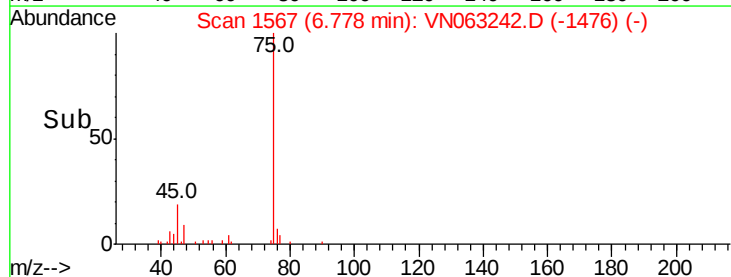
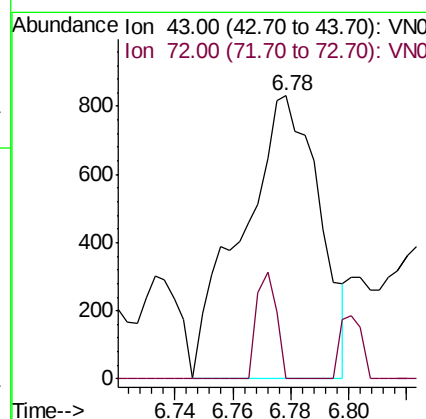
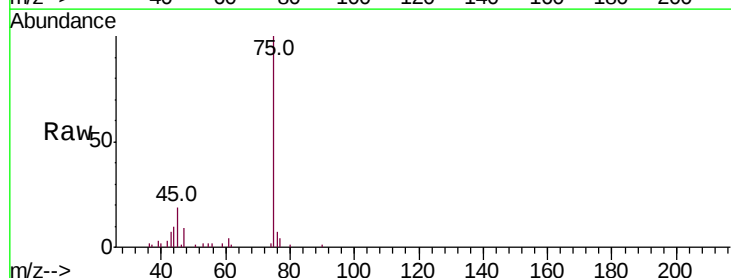
Instrument :
MSVOA_N
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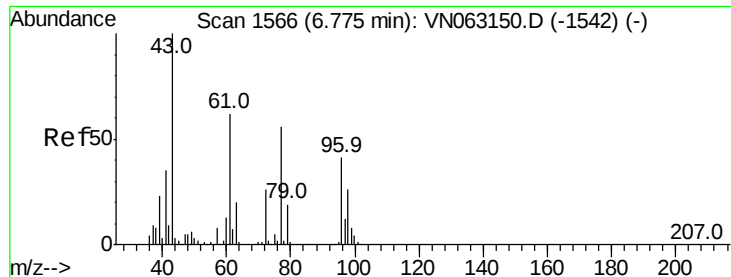
Tot Ion: 43 Resp: 867
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#25
2-Butanone
Concen: 0.808 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#

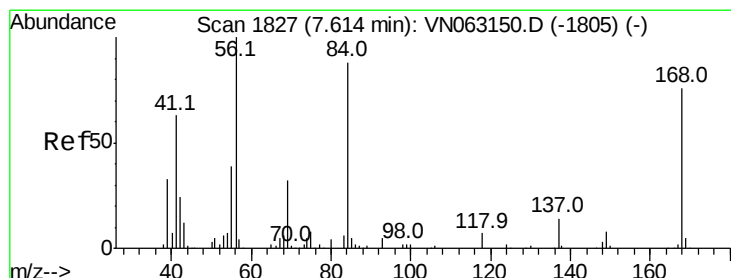
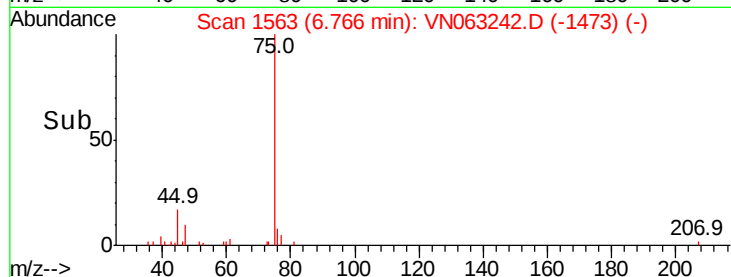
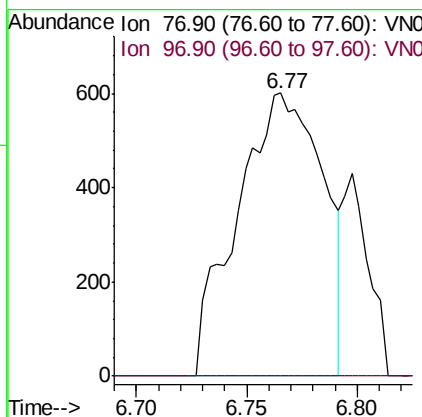
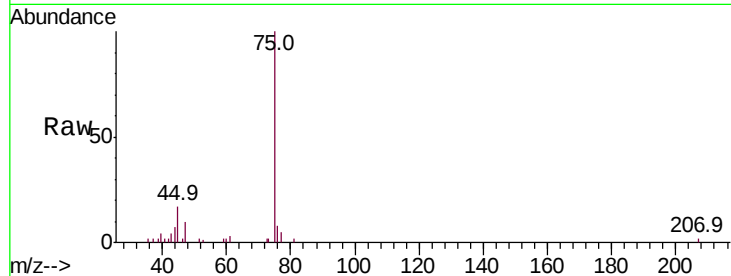




#26
2,2-Dichloropropane
Concen: 0.279 ug/l
RT: 6.77 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

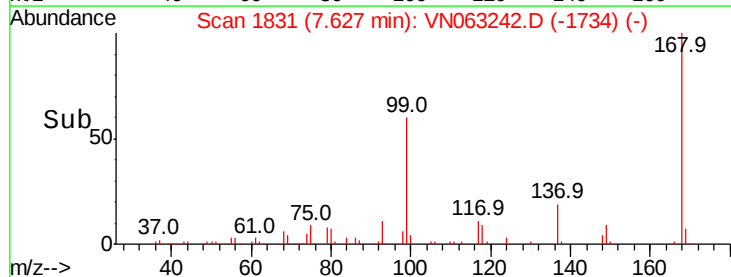
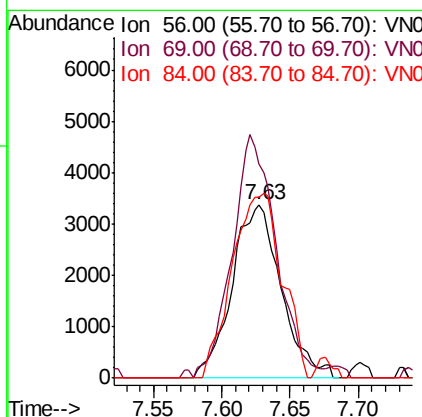
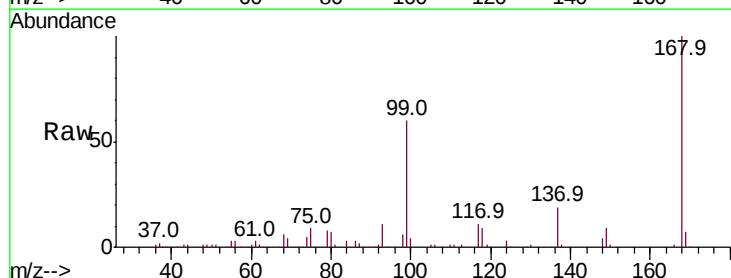
Instrument :
MSVOA_N
ClientSampleId :
TOTE-31230

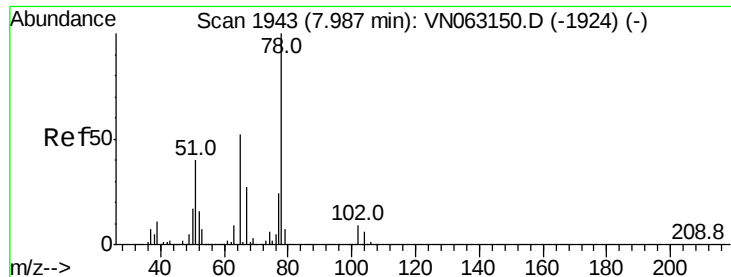
Tot Ion: 77 Resp: 1619
Ion Ratio Lower Upper
77 100
97 0.0 10.7 31.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

Tgt Ion: 56 Resp: 8469
Ion Ratio Lower Upper
56 100
69 118.6 25.4 38.0#
84 104.7 70.2 105.4

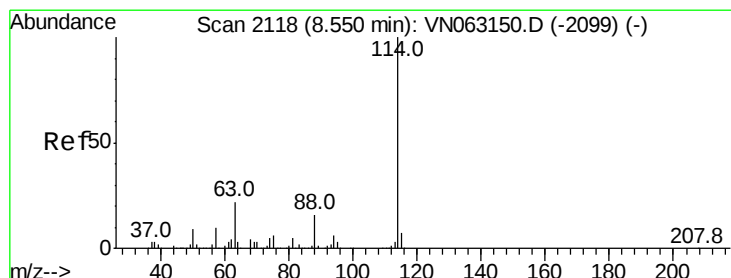
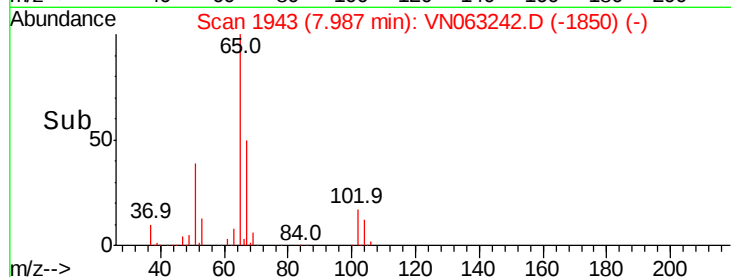
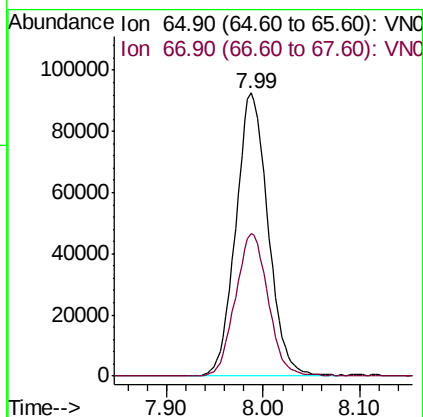
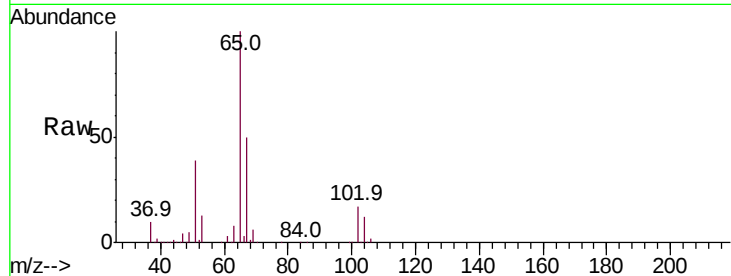




#33
 1,2-Dichloroethane-d4
 Concen: 49.315 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

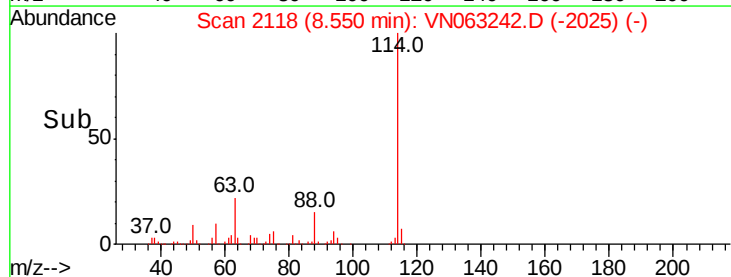
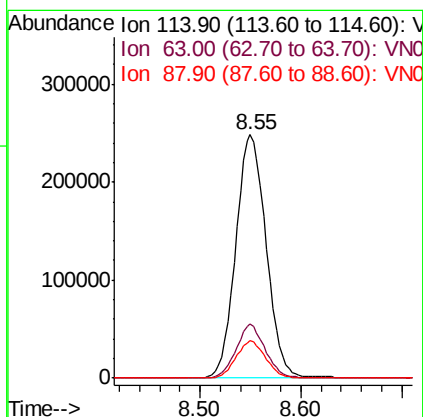
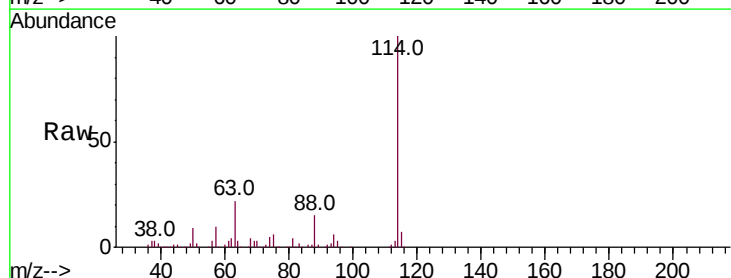
Instrument :
 MSVOA_N
 ClientSampled :
 TOTE-31230

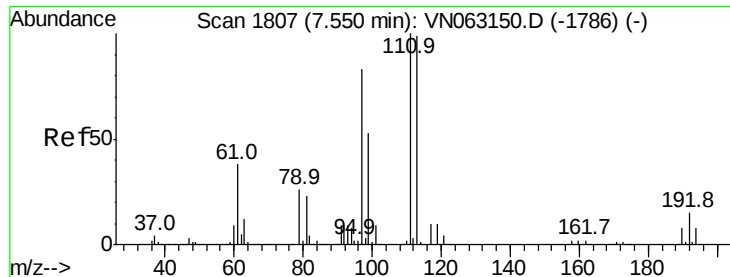
Tot Ion: 65 Resp: 214345
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

Tgt Ion: 114 Resp: 518310
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.0
 88 15.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.130 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

TOTE-31230

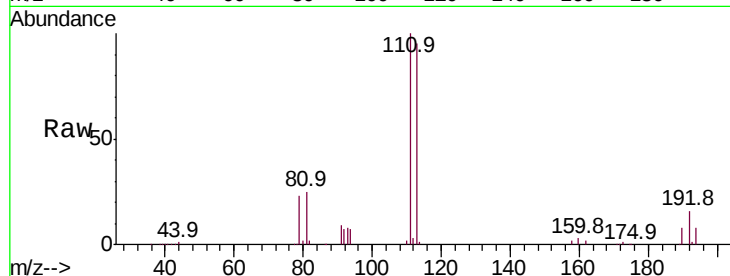
Tot Ion:113 Resp: 163369

Ion Ratio Lower Upper

113 100

111 104.1 80.7 121.1

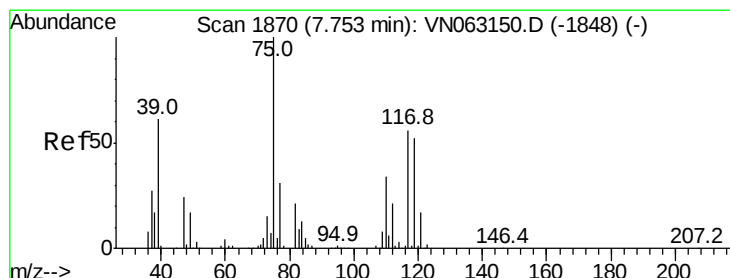
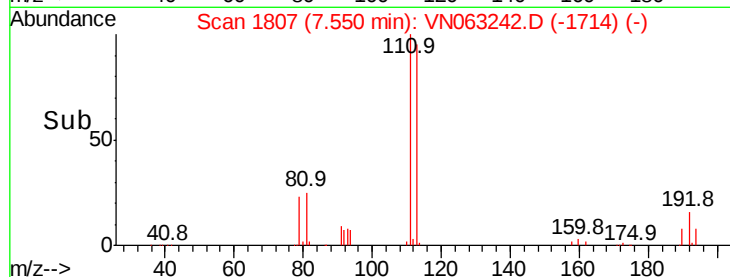
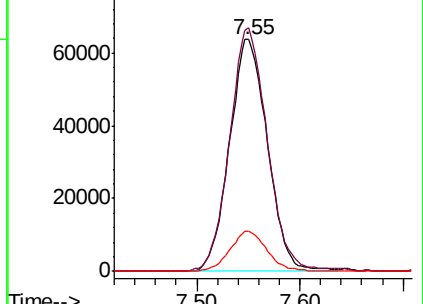
192 16.9 12.6 19.0



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: 5.062 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

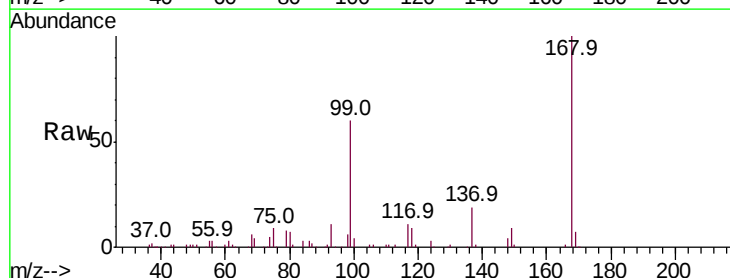
Tgt Ion: 75 Resp: 25224

Ion Ratio Lower Upper

75 100

110 10.1 16.6 49.8#

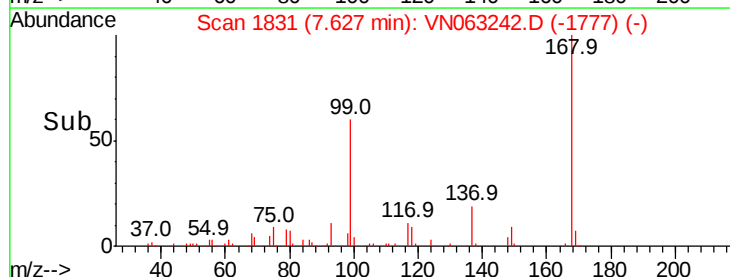
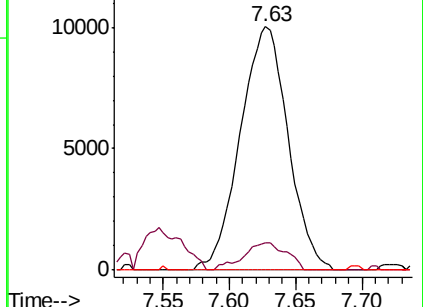
77 0.0 25.4 38.2#

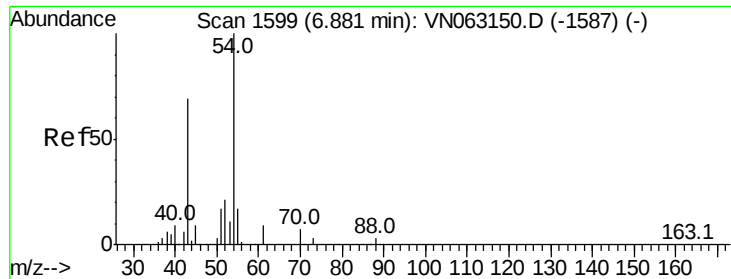


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

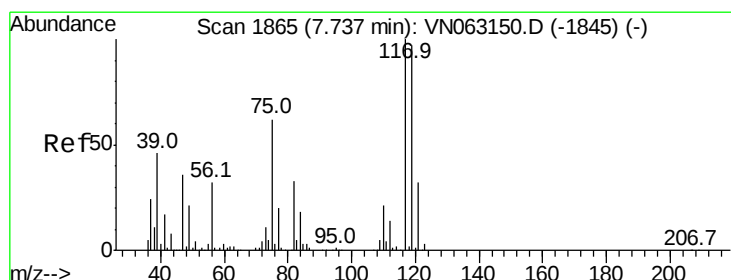
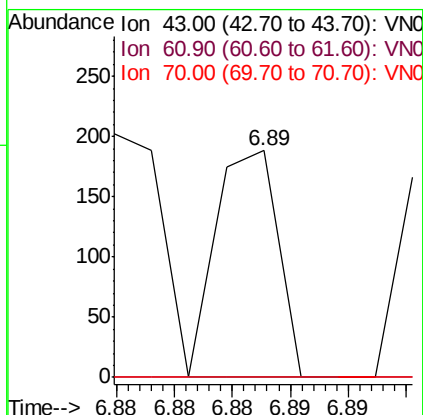
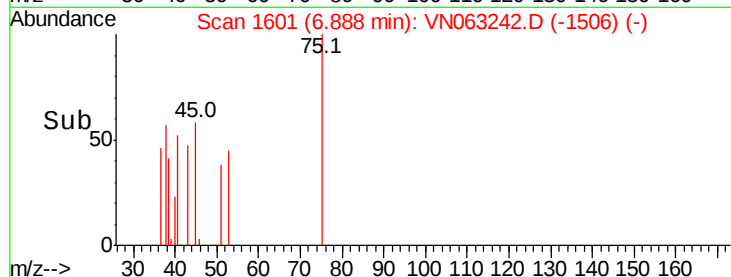
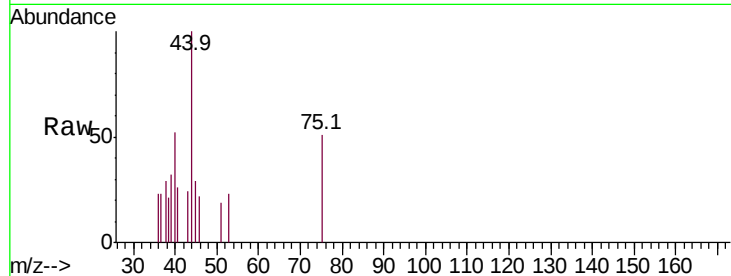




#37
Ethyl Acetate
Concen: 0.395 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

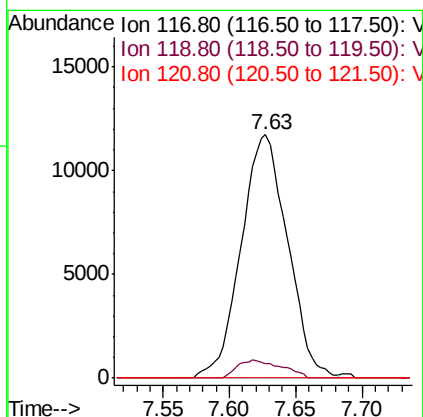
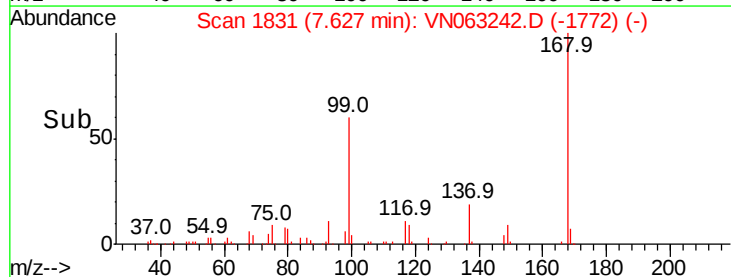
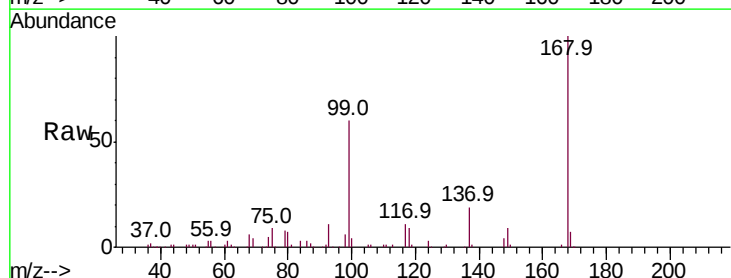
Instrument :
MSVOA_N
ClientSampled :
TOTE-31230

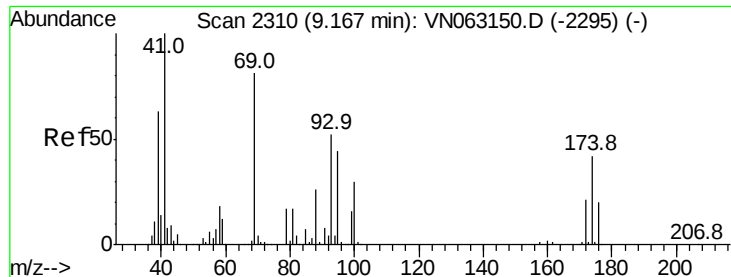
Tot Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

Tgt Ion: 117 Resp: 28681
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 0.512 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

TOTE-31230

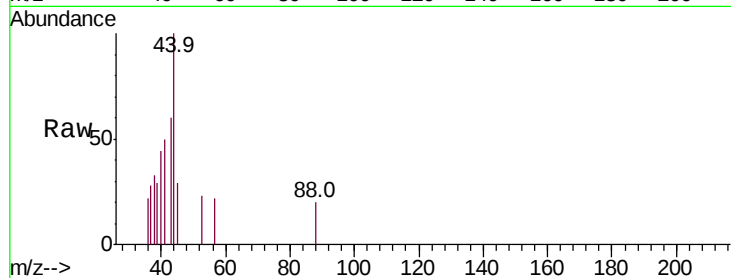
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 955.2 28.6 42.8#

58 0.0 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

800

600

400

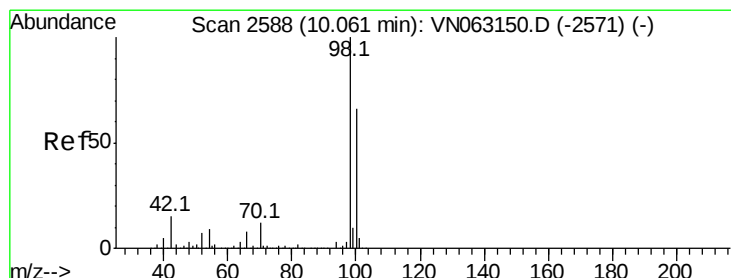
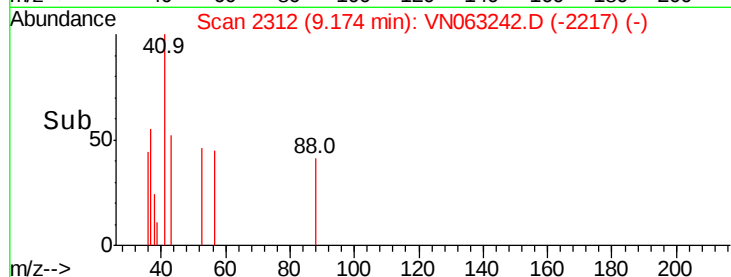
200

0

9.16 9.17 9.18 9.18

9.17

Time-->



#50

Toluene-d8

Concen: 50.624 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063242.D

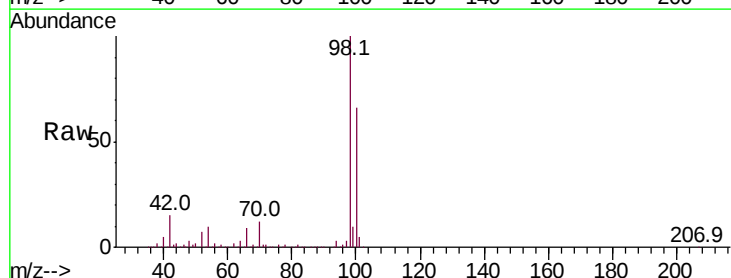
Acq: 4 Sep 2020 13:01

Tgt Ion: 98 Resp: 647932

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

400000

300000

200000

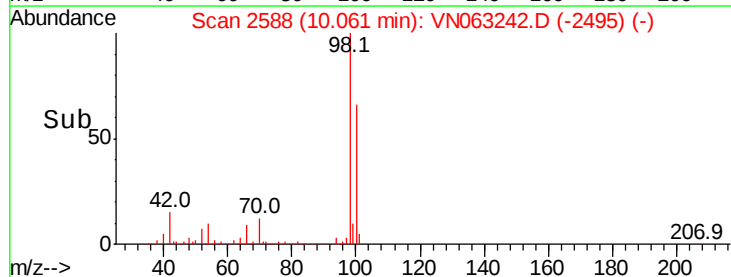
100000

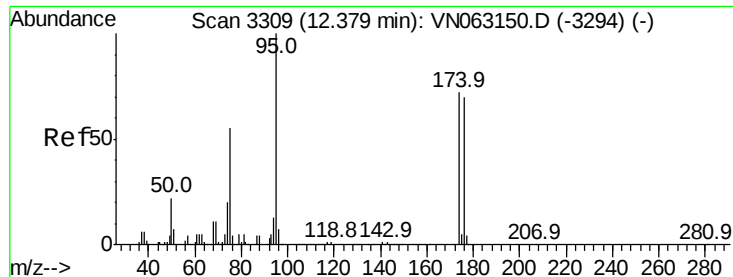
0

10.00 10.05 10.10 10.15

10.06

Time-->

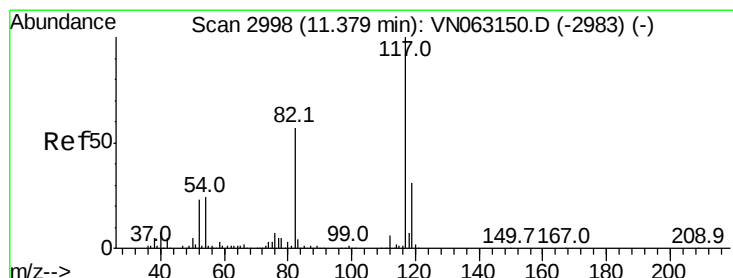
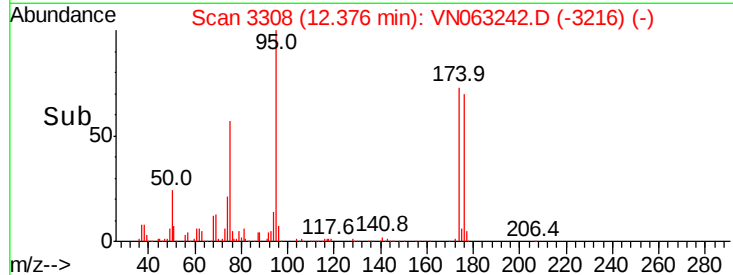
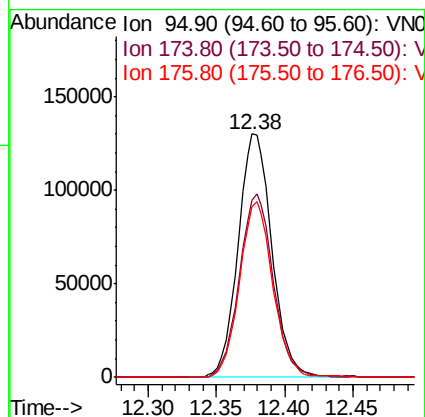
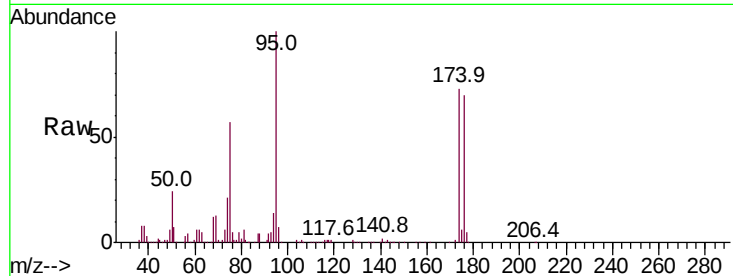




#62
4-Bromofluorobenzene
Concen: 50.009 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

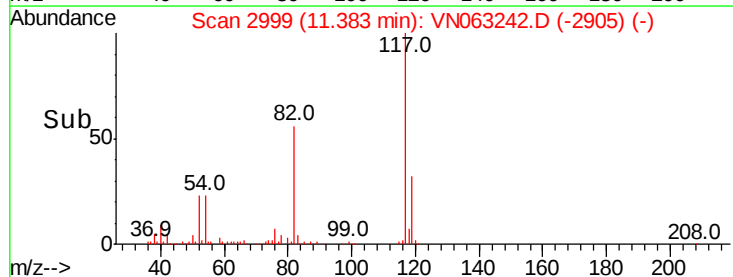
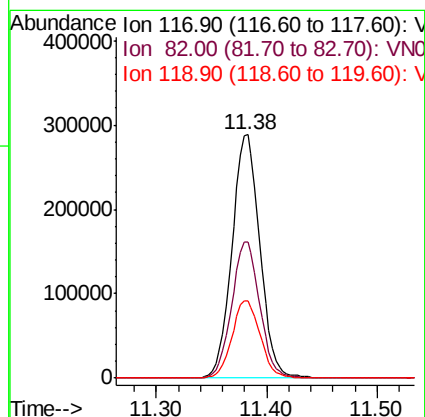
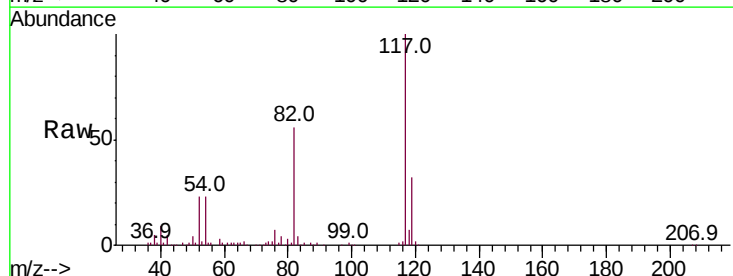
Instrument :
MSVOA_N
ClientSampleId :
TOTE-31230

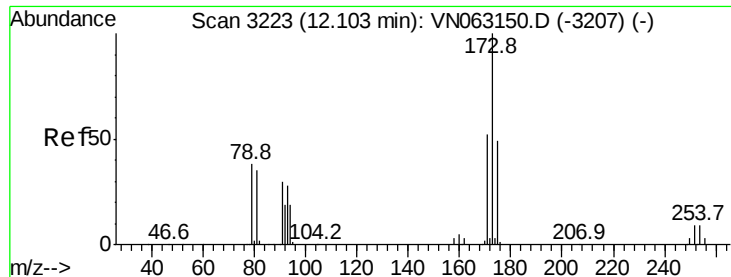
Tot Ion	95	Resp	223896
Ion Ratio	100		
Lower			
Upper			
174	75.3	0.0	143.8
176	70.8	0.0	138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063242.D
Acq: 4 Sep 2020 13:01

Tgt Ion	117	Resp	506997
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	56.1	45.4	68.0
119	31.5	24.6	37.0





#71

Bromoform

Concen: 0.353 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

TOTE-31230

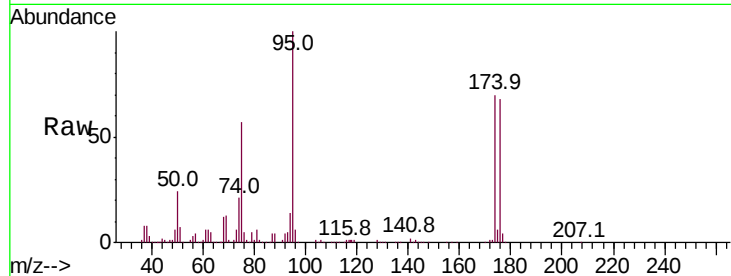
Tot Ion:173 Resp: 908

Ion Ratio Lower Upper

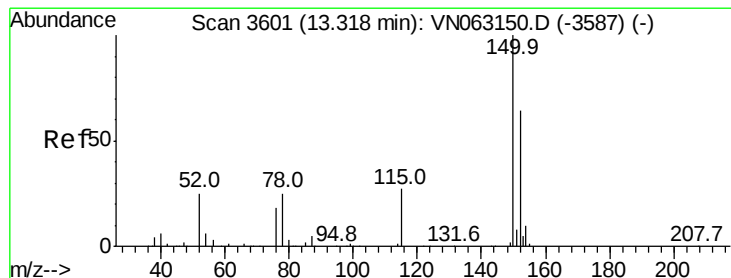
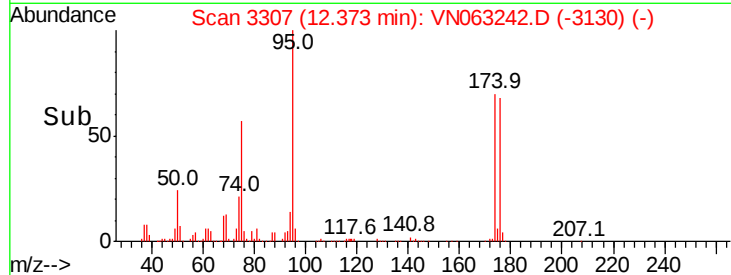
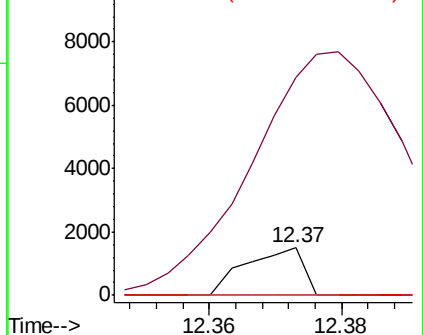
173 100

175 1220.3 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# 3602

Delta R.T. 0.00 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

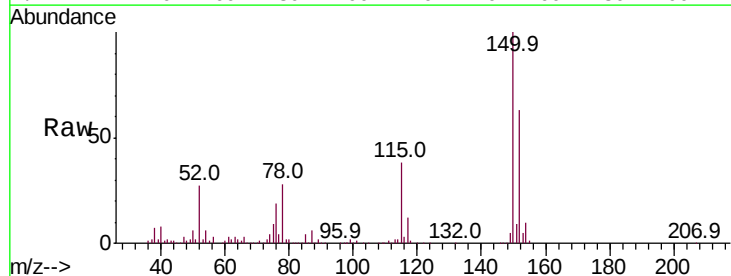
Tgt Ion:152 Resp: 204932

Ion Ratio Lower Upper

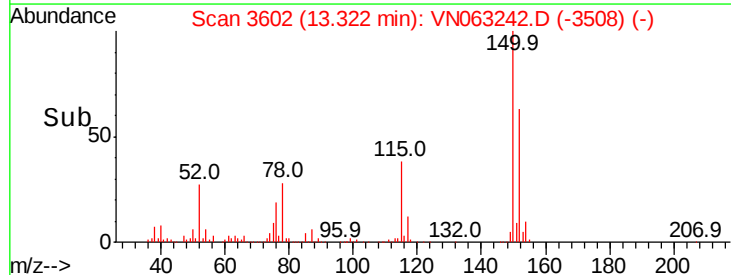
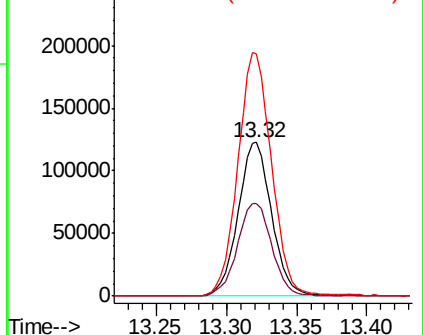
152 100

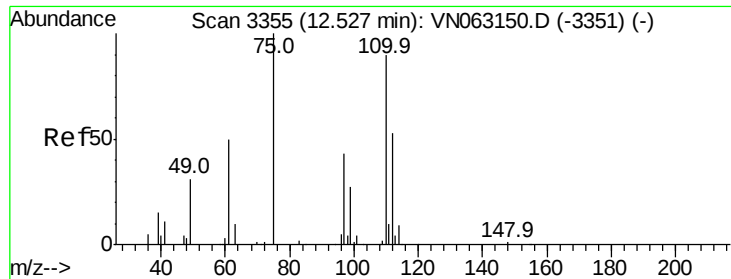
115 62.3 32.0 96.2

150 159.6 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

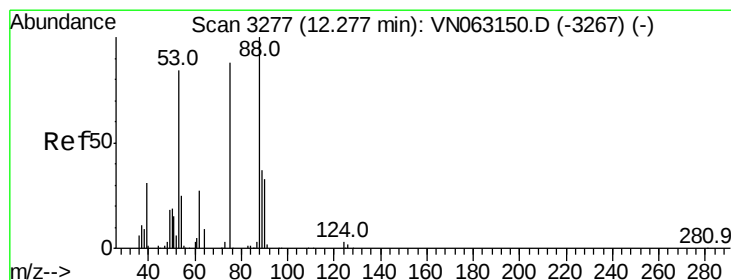
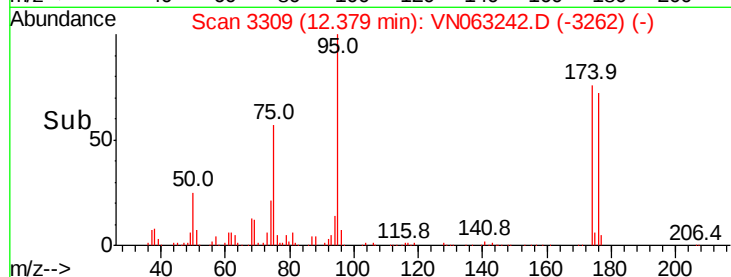
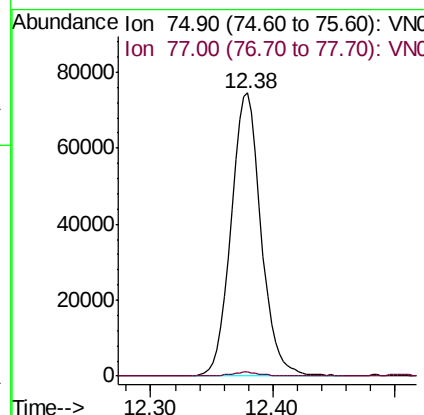
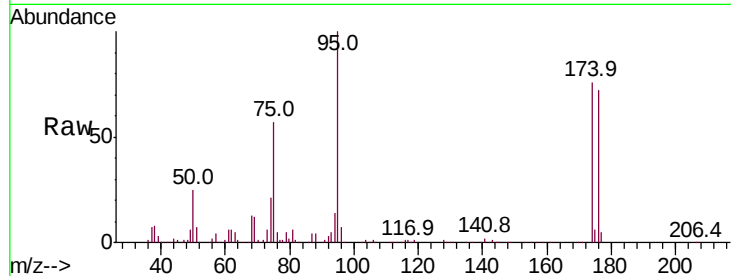




#76
 1,2,3-Trichloropropane
 Concen: 31.865 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. -0.15 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

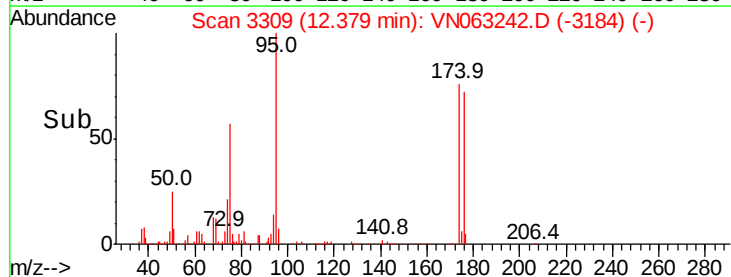
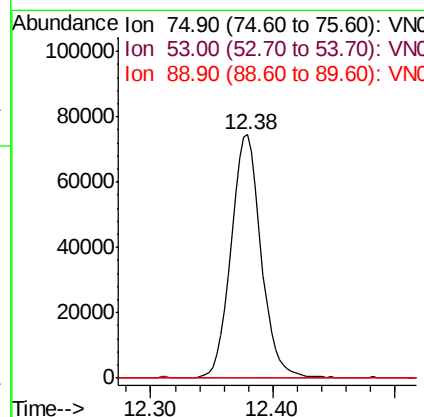
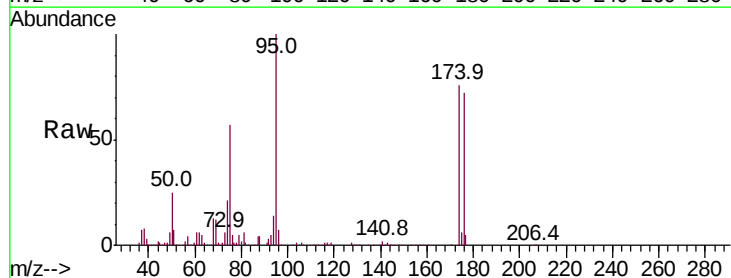
Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

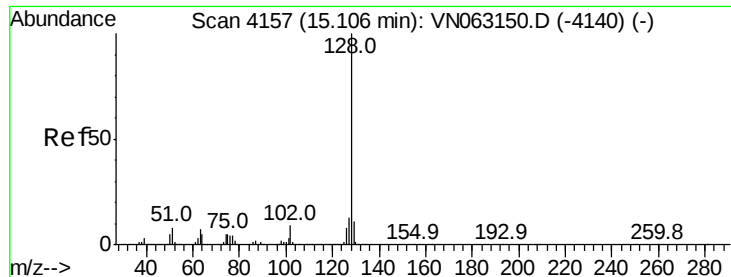
Tot Ion: 75 Resp: 128303
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.017 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. 0.10 min
 Lab File: VN063242.D
 Acq: 4 Sep 2020 13:01

Tgt Ion: 75 Resp: 128303
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.7 118.1#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 0.520 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

TOTE-31230

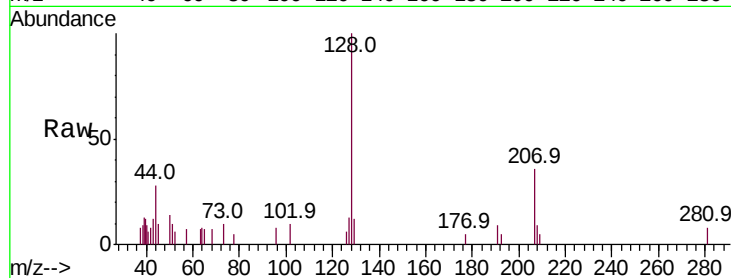
Tot Ion:128 Resp: 6145

Ion Ratio Lower Upper

128 100

127 10.9 10.5 15.7

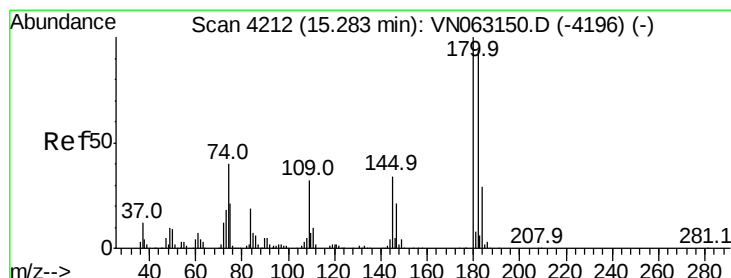
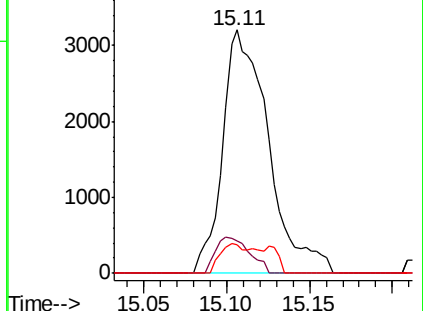
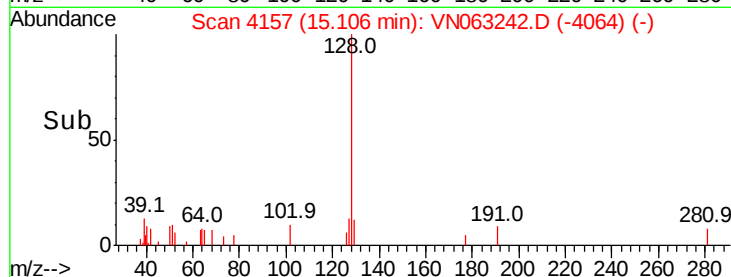
129 6.8 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.220 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063242.D

Acq: 4 Sep 2020 13:01

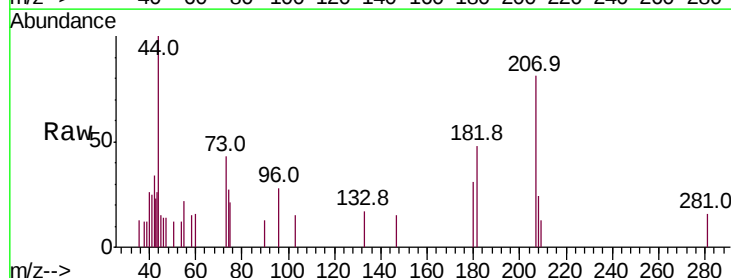
Tgt Ion:180 Resp: 760

Ion Ratio Lower Upper

180 100

182 82.6 47.5 142.5

145 23.3 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

