

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063247.D
 Acq On : 4 Sep 2020 15:01
 Operator : JC/MD
 Sample : L3886-12
 Misc : 1.11uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

Quant Time: Sep 05 07:30:29 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	7.62	168	270565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	520099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	210869	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	7.55	113	166000	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.06	98	660114	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.38	95	211896	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

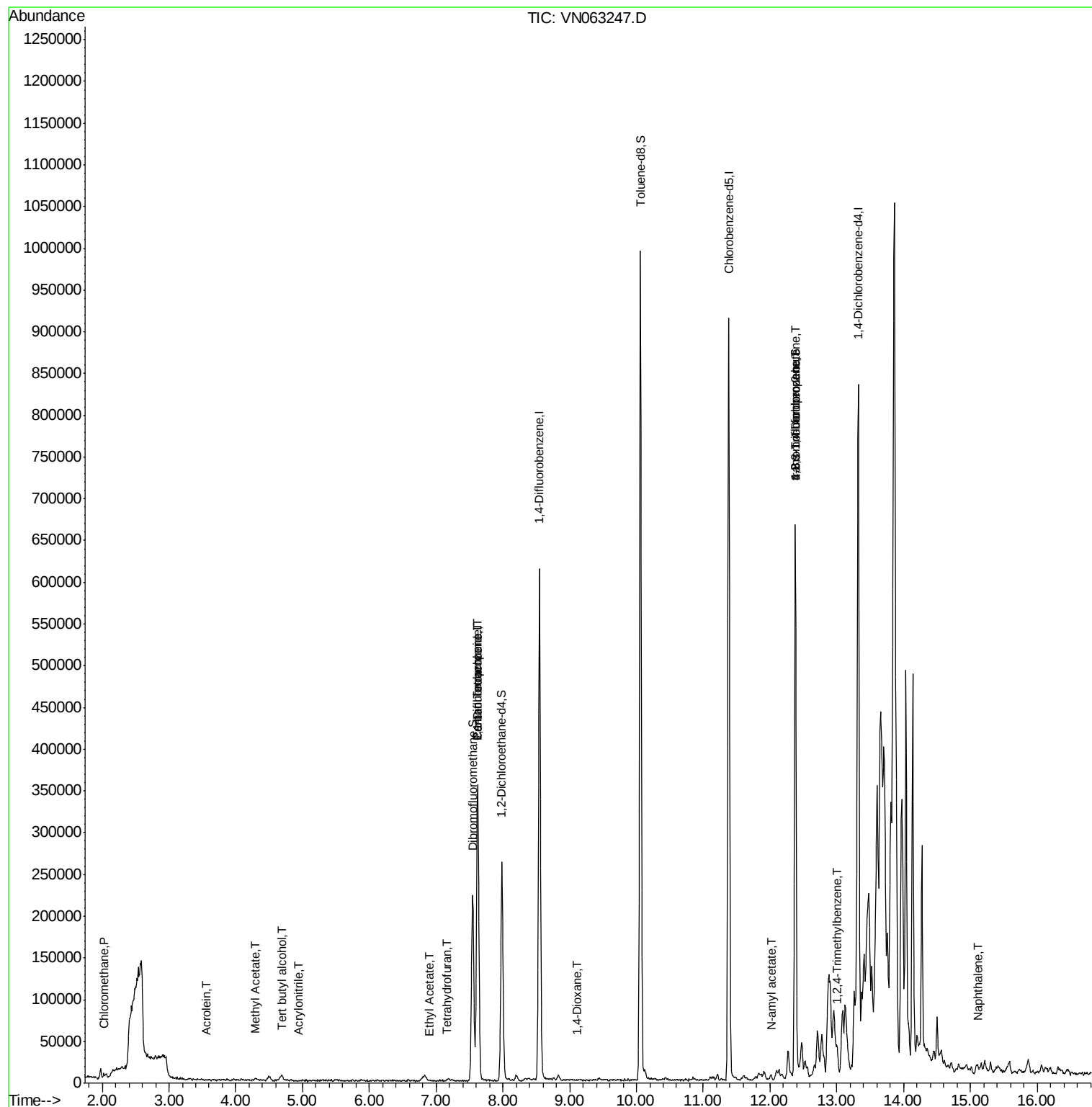
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.02	50	1813	0.467	ug/l	96
7) Trichlorofluoromethane	2.97	101	33	Below Cal	#	19
11) Tert butyl alcohol	4.69	59	5064	9.327	ug/l #	74
13) Acrolein	3.56	56	164	16.513	ug/l #	1
15) Acrylonitrile	4.95	53	129	2.488	ug/l #	1
18) Methyl Acetate	4.29	43	2493	0.773	ug/l	96
20) Methylene Chloride	4.49	84	193	Below Cal	#	71
29) Tetrahydrofuran	7.15	42	575	0.427	ug/l #	23
31) Cyclohexane	7.61	56	8195	Below Cal	#	51
36) 1,1-Dichloropropene	7.62	75	25337	5.067	ug/l #	51
37) Ethyl Acetate	6.90	43	106	0.403	ug/l #	8
38) Carbon Tetrachloride	7.62	117	29291	5.777	ug/l #	16
49) 1,4-Dioxane	9.11	88	66	1.161	ug/l #	44
74) N-amyl acetate	12.02	43	1832	0.302	ug/l #	64
76) 1,2,3-Trichloropropane	12.38	75	122485	32.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122485	78.941	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.02	105	5268	0.429	ug/l	98
95) Naphthalene	15.11	128	4400	0.400	ug/l #	93

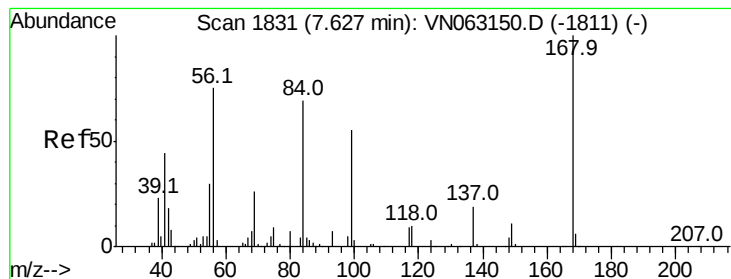
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090420\
Data File : VN063247.D
Acq On : 4 Sep 2020 15:01
Operator : JC/MD
Sample : L3886-12
Misc : 1.11uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TOTE-31230

Quant Time: Sep 05 07:30:29 2020
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: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

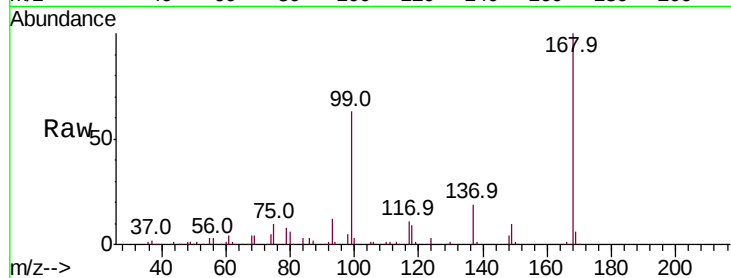
TOTE-31230

Tot Ion:168 Resp: 270565

Ion Ratio Lower Upper

168 100

99 62.7 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) (-)

7.62

120000

100000

80000

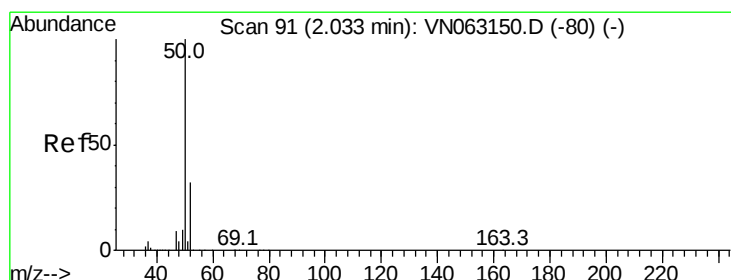
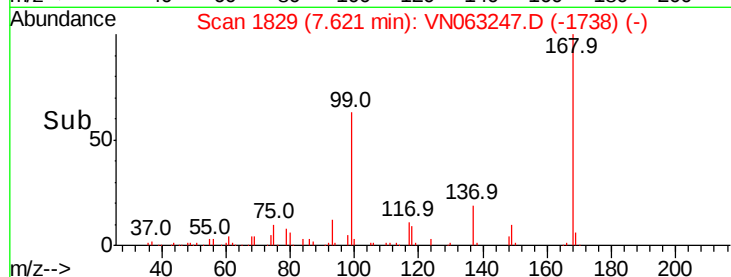
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.467 ug/l

RT: 2.02 min Scan# 88

Delta R.T. -0.01 min

Lab File: VN063247.D

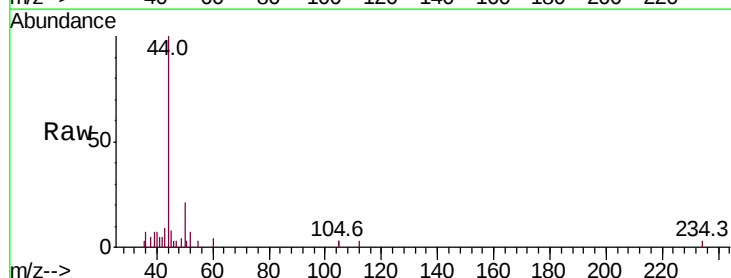
Acq: 4 Sep 2020 15:01

Tgt Ion: 50 Resp: 1813

Ion Ratio Lower Upper

50 100

52 34.5 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) (-)

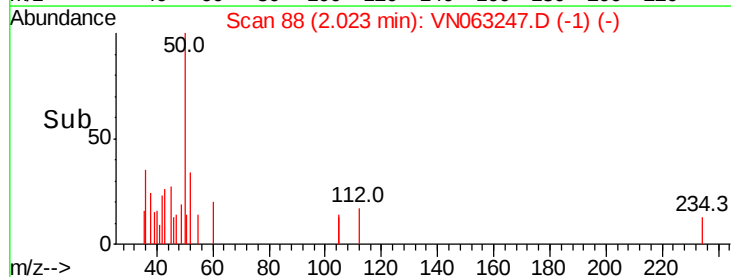
2.02

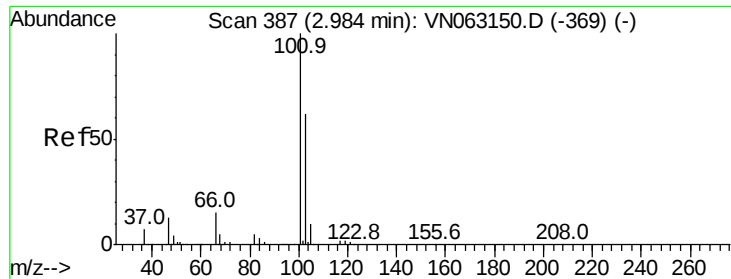
1000

500

0

Time--> 2.00 2.05



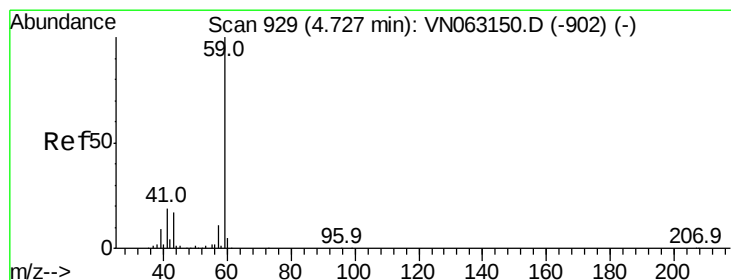
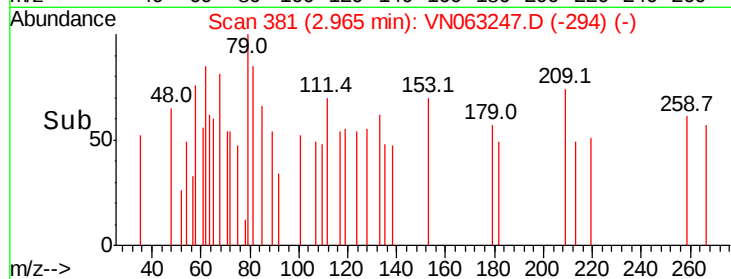
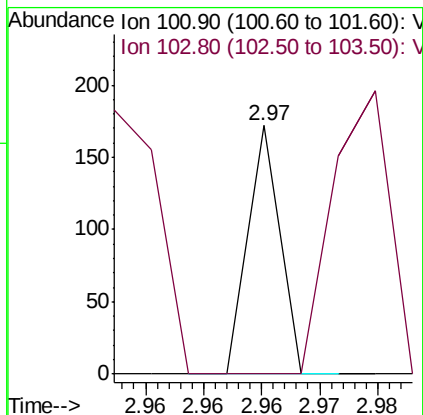
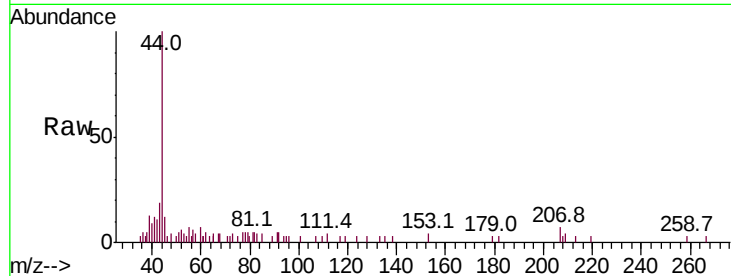


#7

Trichlorofluoromethane
 Concen: Below Cal
 RT: 2.97 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

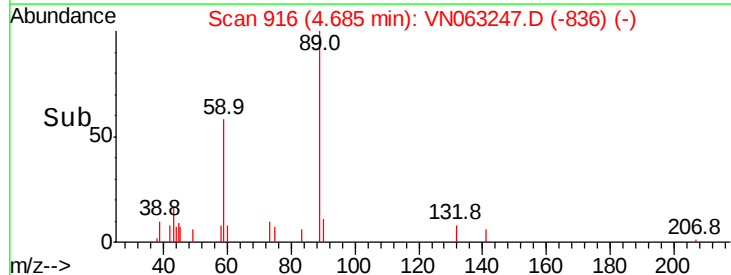
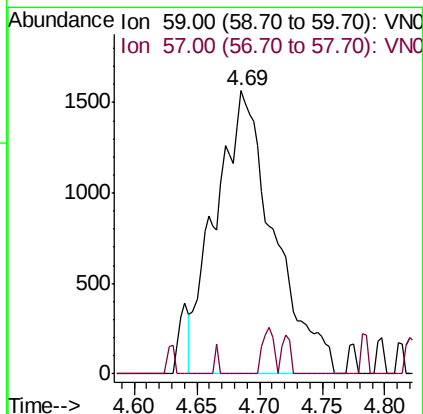
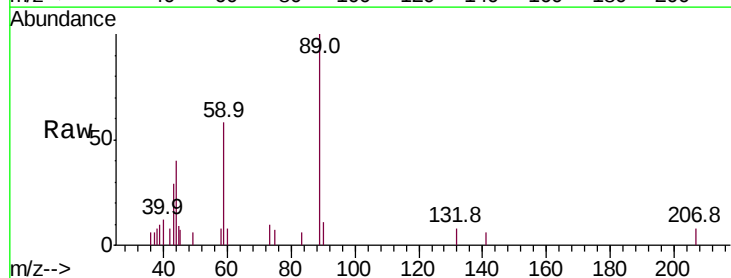
Tot Ion:101 Resp: 33
 Ion Ratio Lower Upper
 101 100
 103 0.0 49.7 74.5#

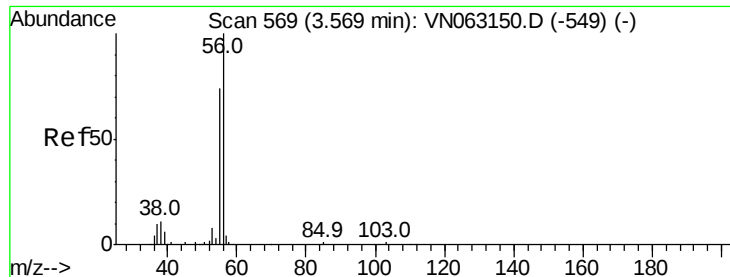


#11

Tert butyl alcohol
 Concen: 9.327 ug/l
 RT: 4.69 min Scan# 916
 Delta R.T. -0.04 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

Tgt Ion: 59 Resp: 5064
 Ion Ratio Lower Upper
 59 100
 57 0.6 8.4 12.6#





#13

Acrolein

Concen: 16.513 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

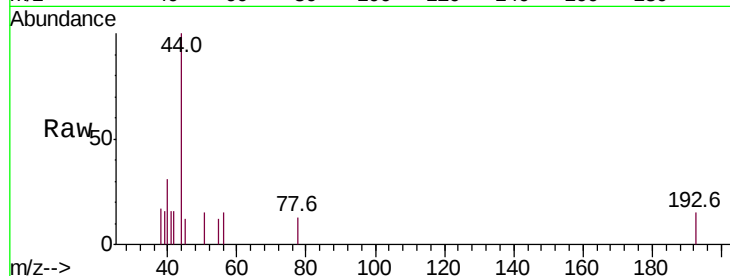
TOTE-31230

Tot Ion: 56 Resp: 164

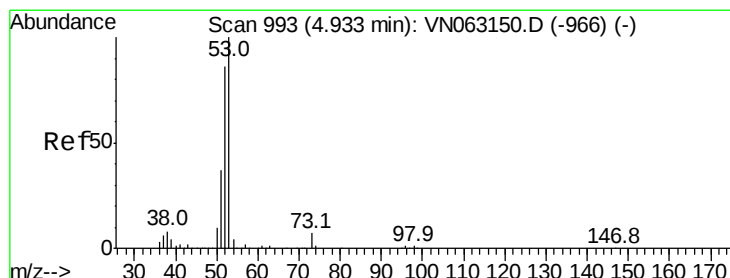
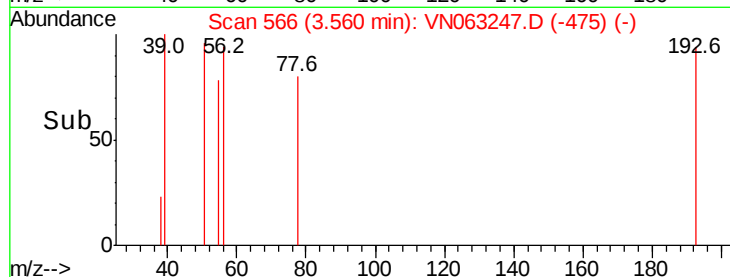
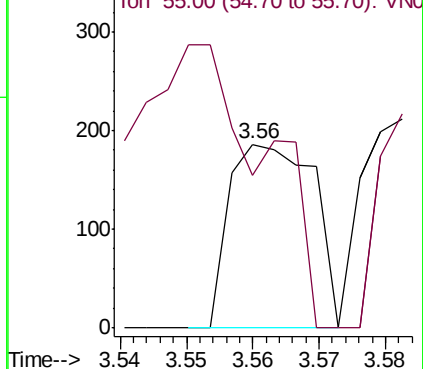
Ion Ratio Lower Upper

56 100

55 231.7 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0



#15

Acrylonitrile

Concen: 2.488 ug/l

RT: 4.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

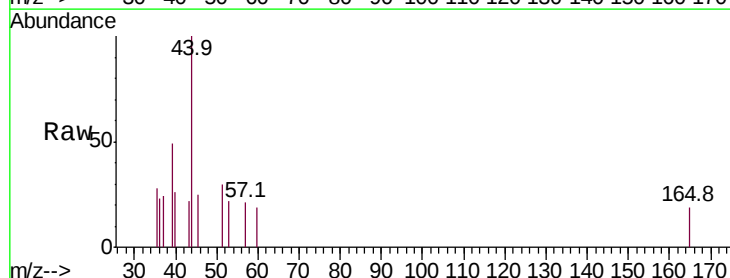
Tgt Ion: 53 Resp: 129

Ion Ratio Lower Upper

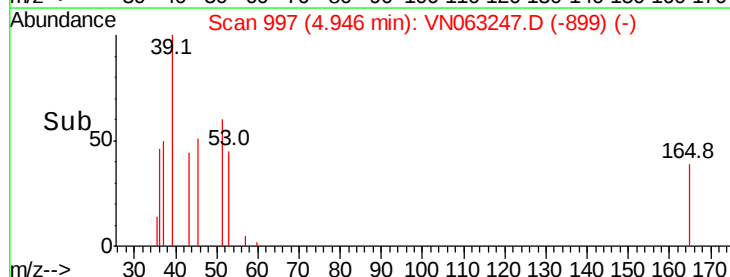
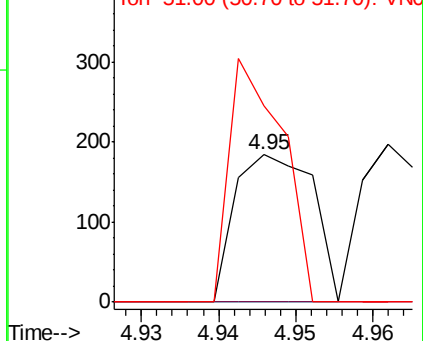
53 100

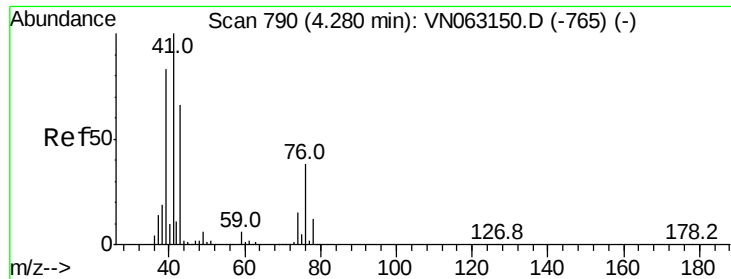
52 0.0 67.2 100.8#

51 113.2 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

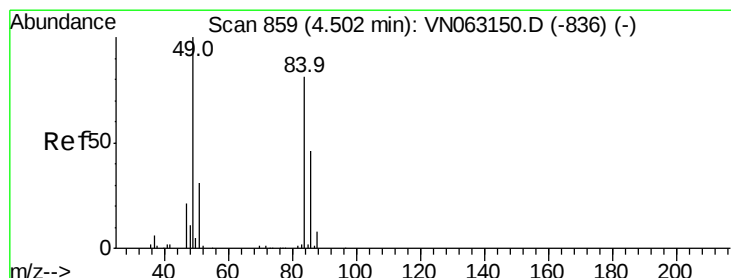
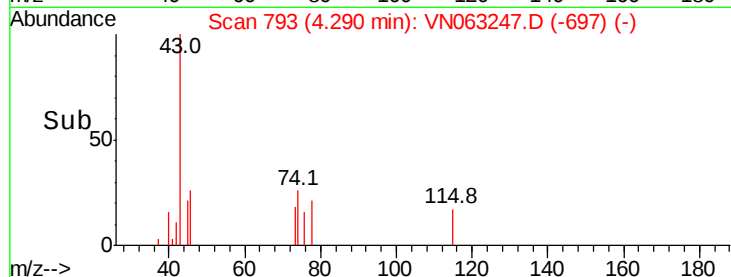
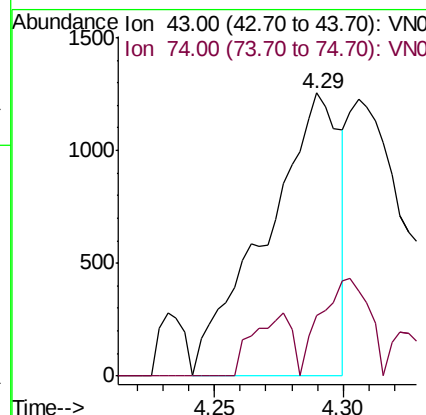
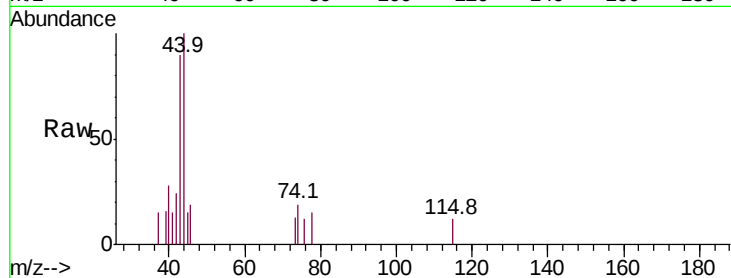




#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

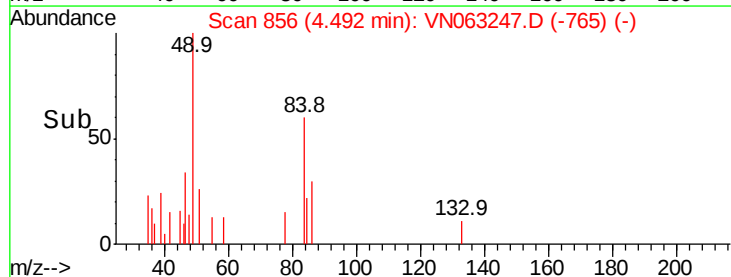
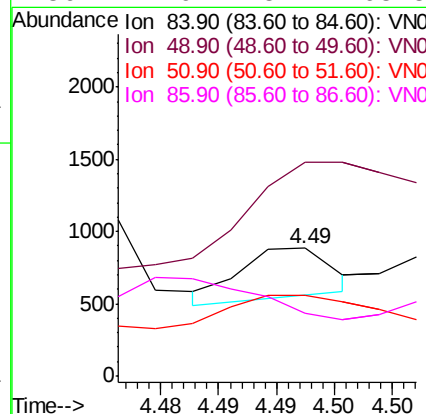
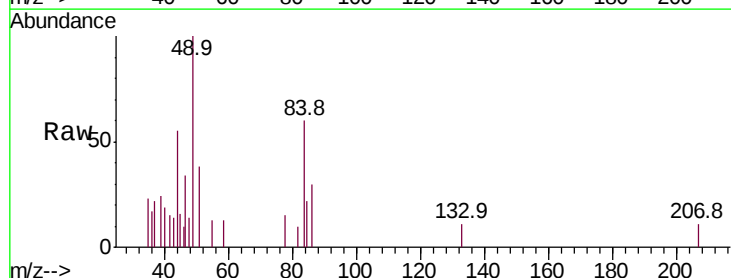
Instrument :
MSVOA_N
ClientSampled :
TOTE-31230

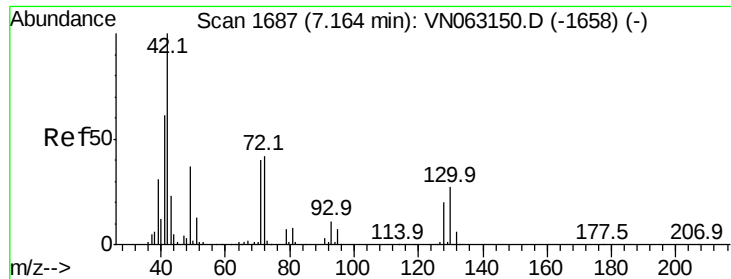
Tot Ion: 43 Resp: 2493
Ion Ratio Lower Upper
43 100
74 22.1 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

Tgt Ion: 84 Resp: 193
Ion Ratio Lower Upper
84 100
49 103.9 98.4 147.6
51 30.5 30.4 45.6
86 7.9 45.7 68.5#

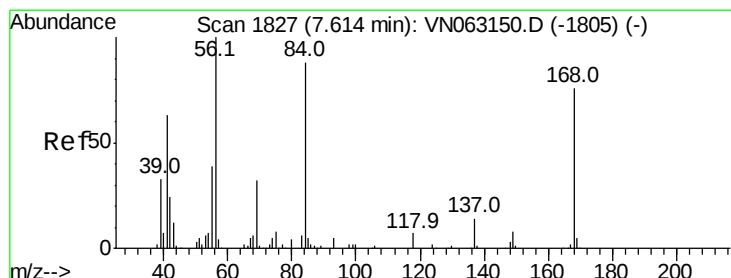
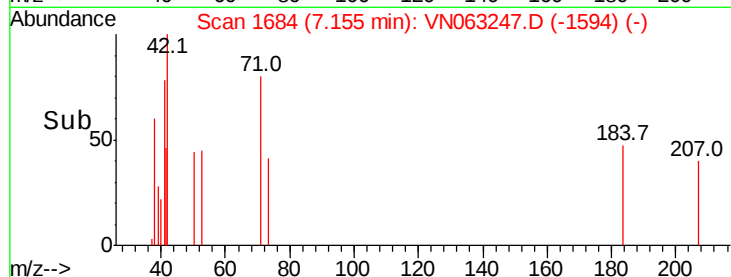
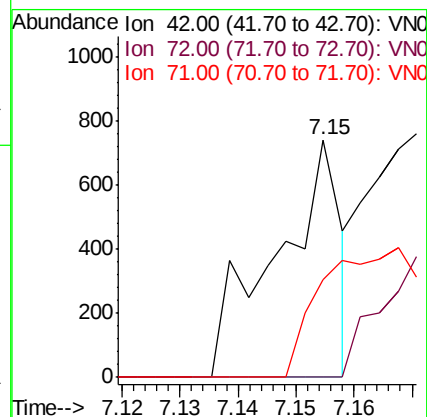
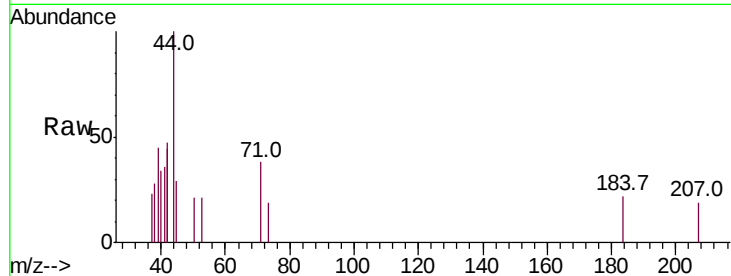




#29
Tetrahydrofuran
Concen: 0.427 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

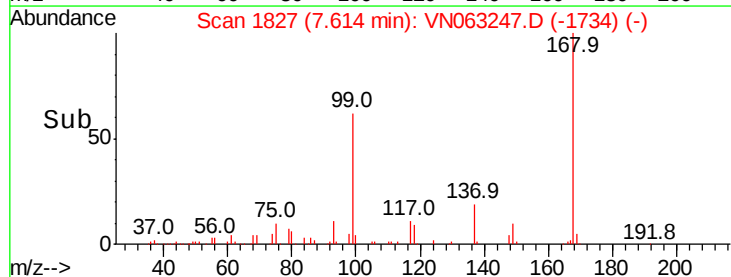
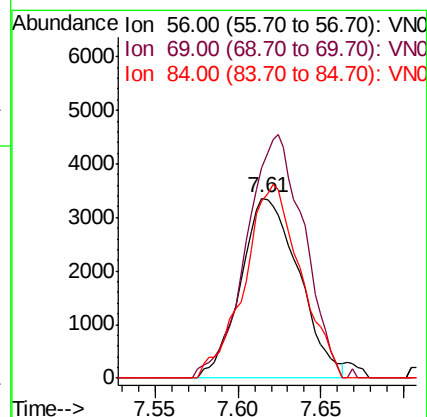
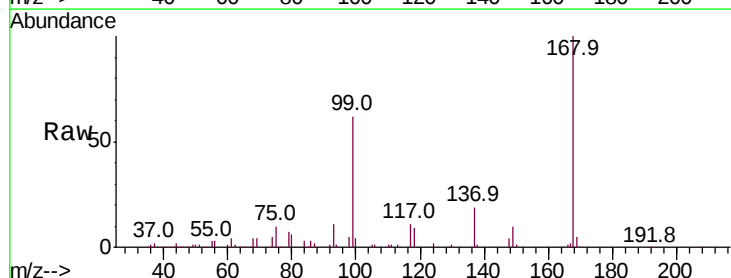
Instrument :
MSVOA_N
ClientSampled :
TOTE-31230

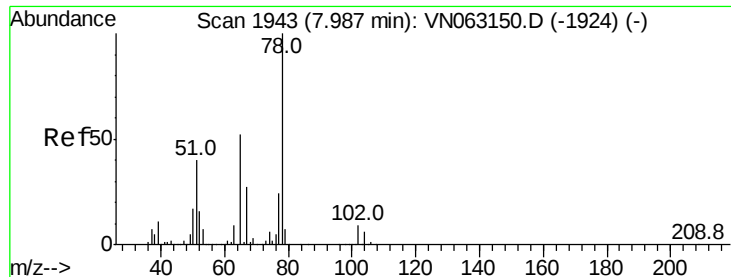
Tot Ion: 42 Resp: 575
Ion Ratio Lower Upper
42 100
72 92.2 33.9 50.9#
71 87.1 31.9 47.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

Tgt Ion: 56 Resp: 8195
Ion Ratio Lower Upper
56 100
69 116.5 25.4 38.0#
84 98.2 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 47.676 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

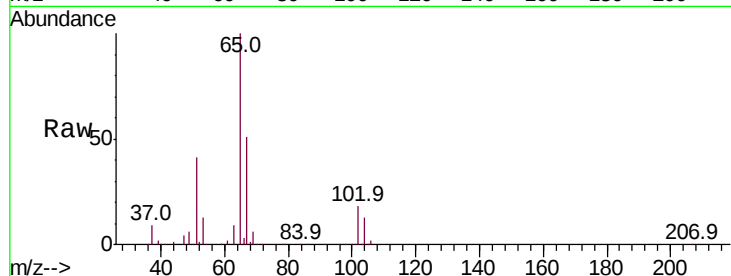
TOTE-31230

Tot Ion: 65 Resp: 210869

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063150.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063150.D (-1924) (-)

7.98

100000

80000

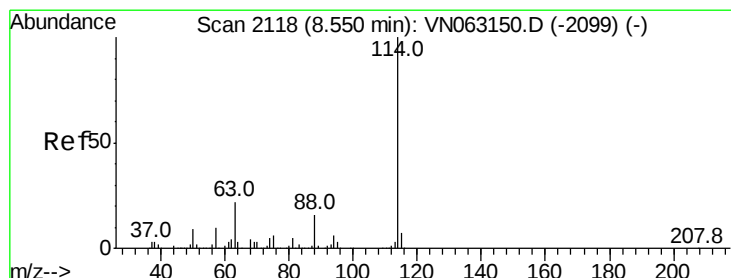
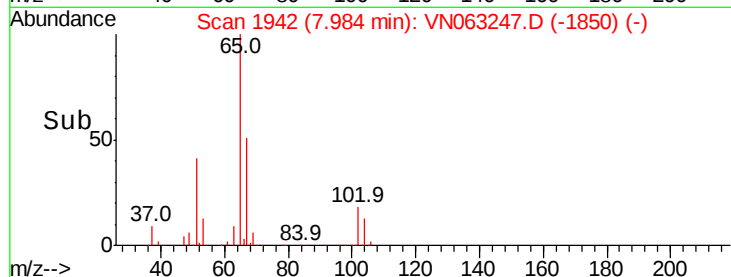
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

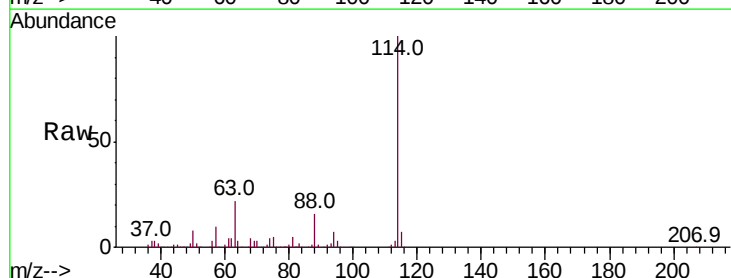
Tgt Ion: 114 Resp: 520099

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063150.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN063150.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN063150.D (-2099) (-)

8.55

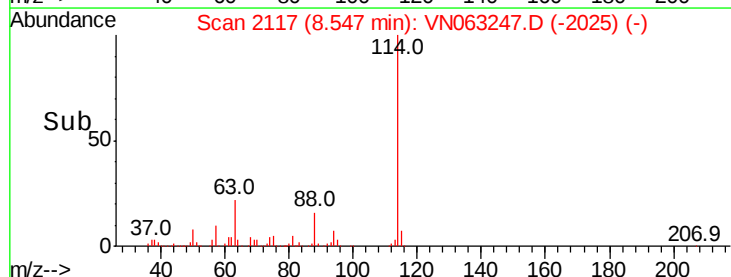
300000

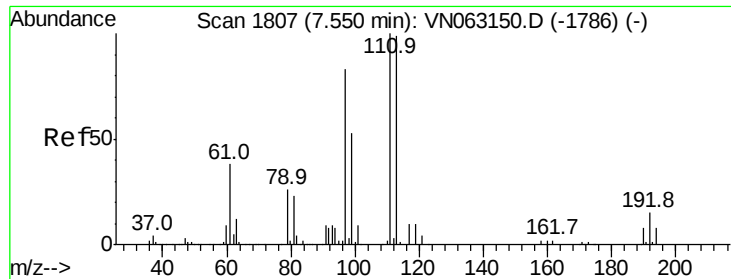
200000

100000

0

Time-->

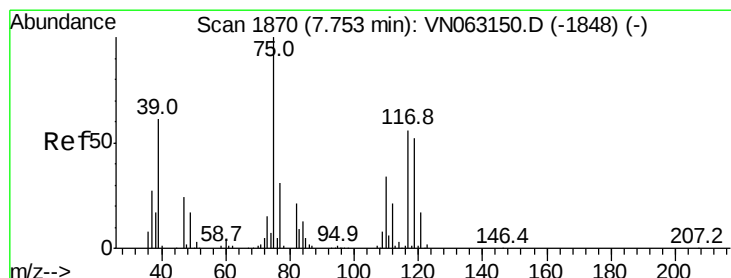
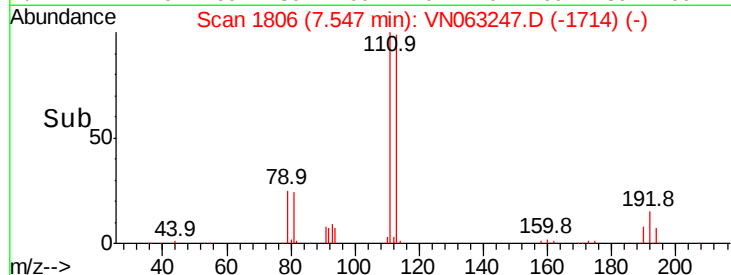
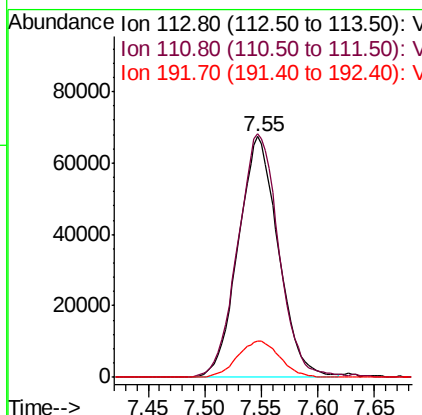
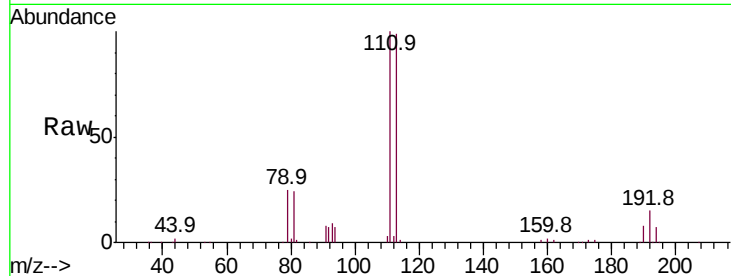




#35
 Dibromofluoromethane
 Concen: 49.750 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

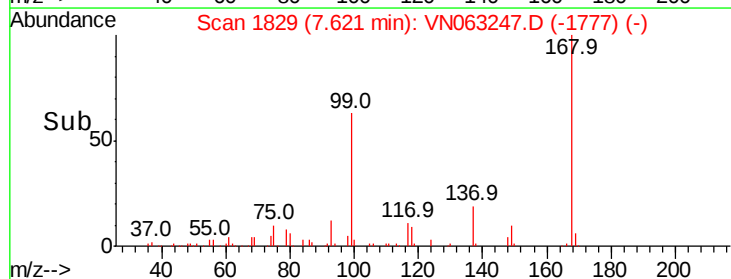
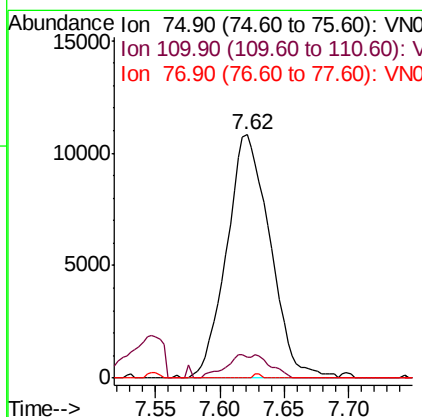
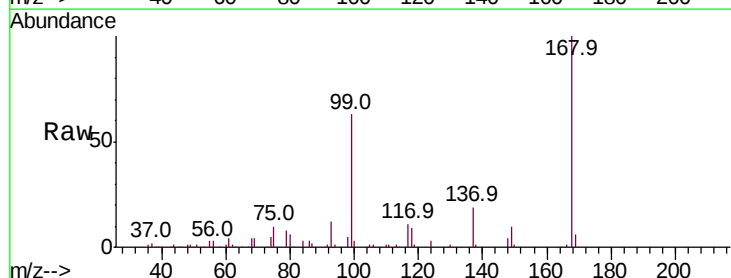
Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

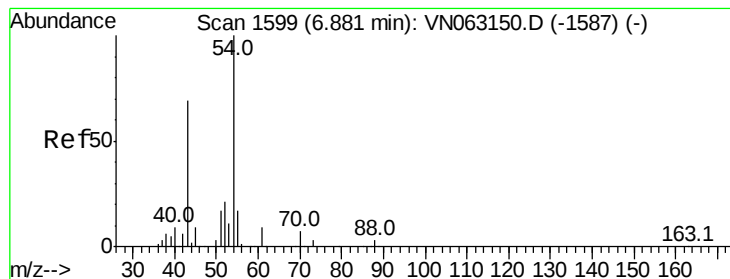
Tot Ion:113 Resp: 166000
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.7 121.1
 192 15.8 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

Tgt Ion: 75 Resp: 25337
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.6 49.8#
 77 0.3 25.4 38.2#





#37

Ethyl Acetate

Concen: 0.403 ug/l

RT: 6.90 min Scan# 1605

Delta R.T. 0.02 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

TOTE-31230

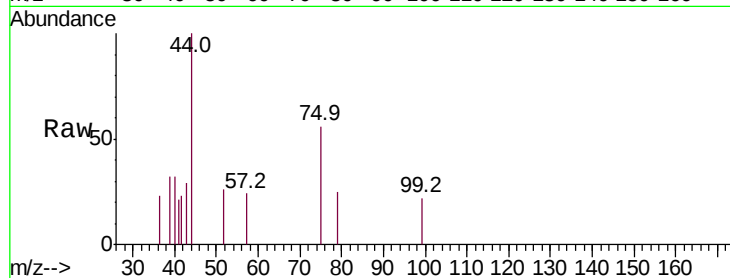
Tot Ion: 43 Resp: 106

Ion Ratio Lower Upper

43 100

61 58.5 10.2 15.4#

70 0.0 3.0 4.6#

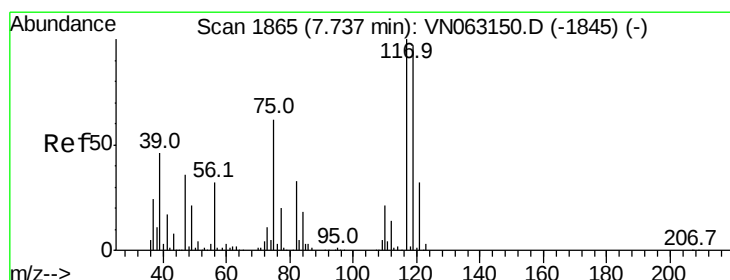
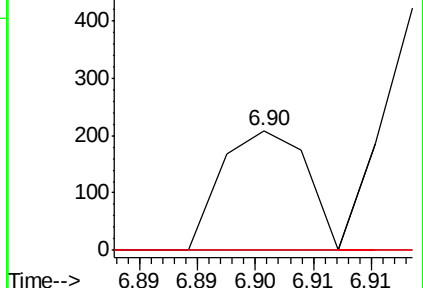
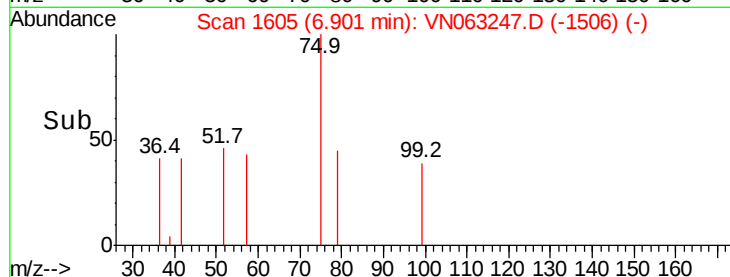


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063150.D (-1587) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.777 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

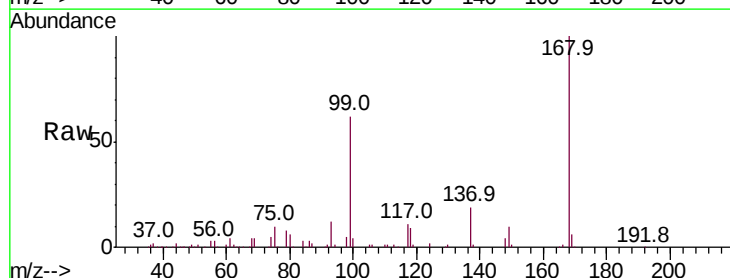
Tgt Ion: 117 Resp: 29291

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

121 0.0 25.6 38.4#

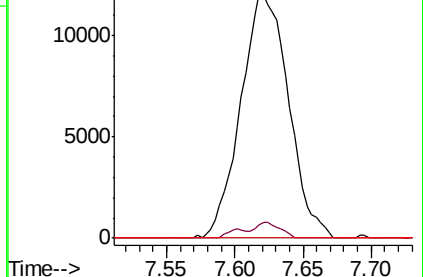
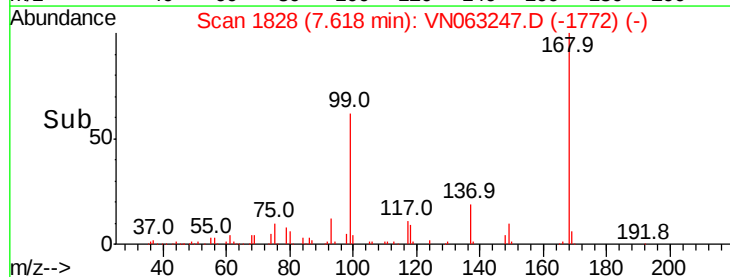


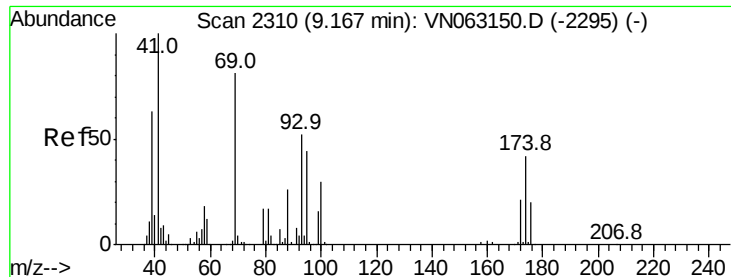
Abundance Ion 116.80 (116.50 to 117.50): VN063150.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063150.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063150.D (-1845) (-)

Time-->





#49

1,4-Dioxane

Concen: 1.161 ug/l

RT: 9.11 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampled :

TOTE-31230

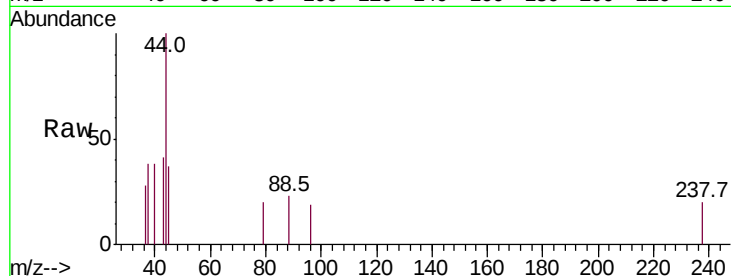
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

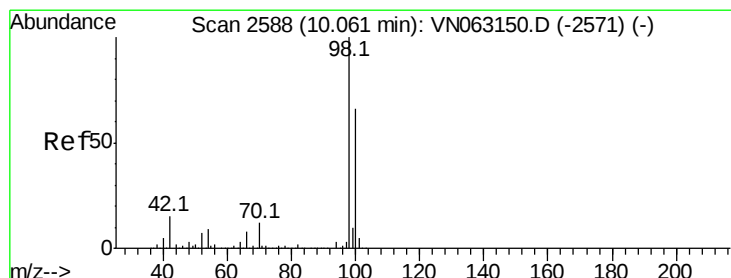
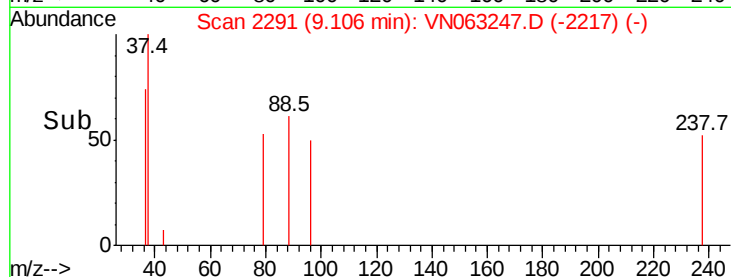
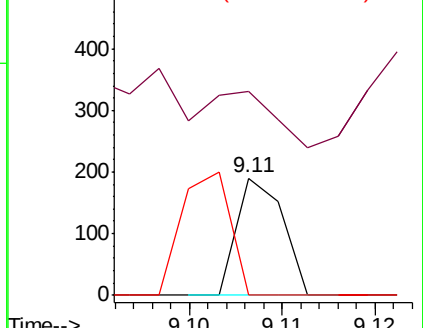
58 109.1 53.2 79.8#



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: 51.399 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063247.D

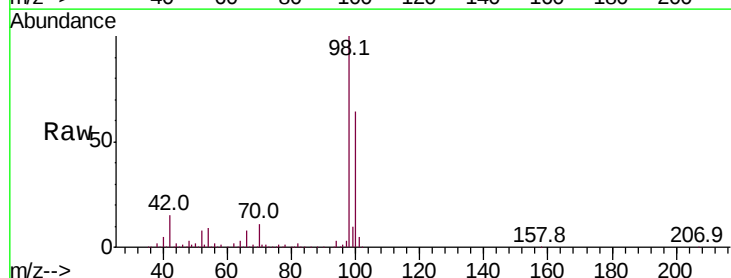
Acq: 4 Sep 2020 15:01

Tgt Ion: 98 Resp: 660114

Ion Ratio Lower Upper

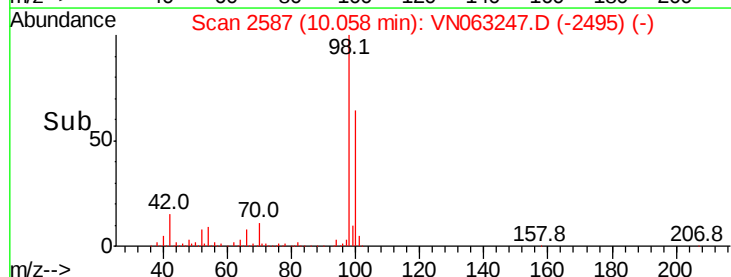
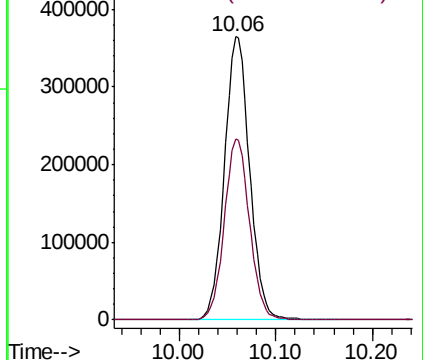
98 100

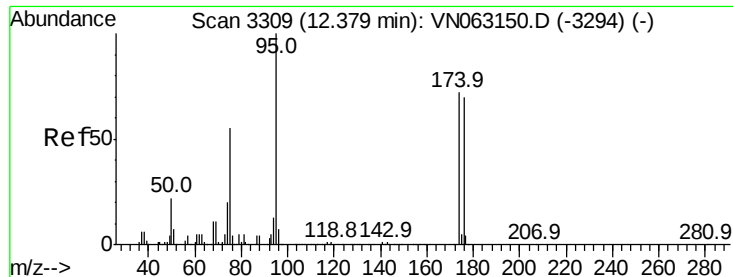
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

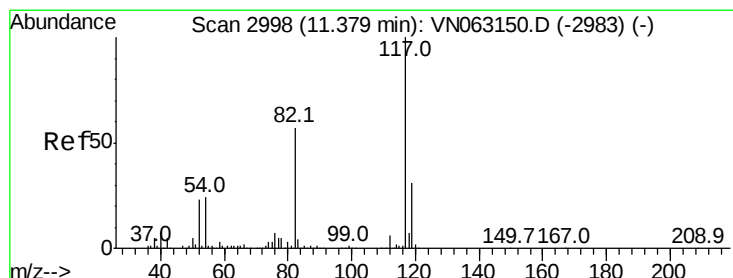
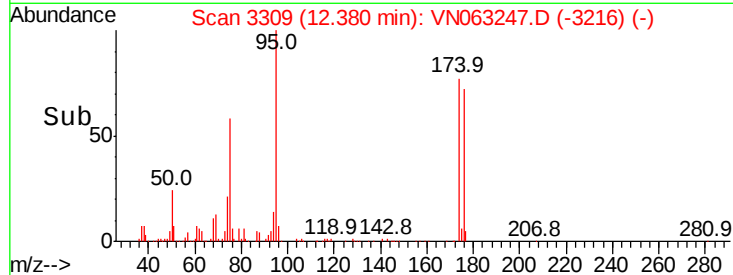
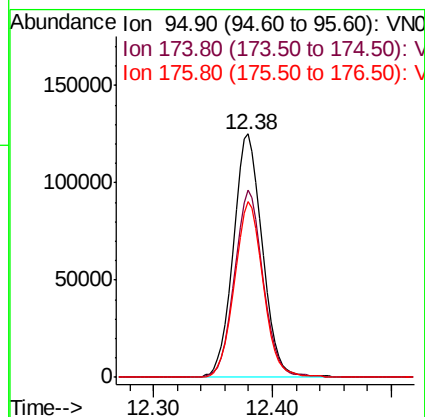
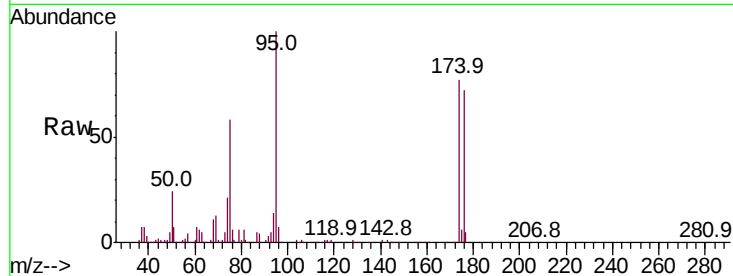




#62
4-Bromofluorobenzene
Concen: 47.166 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

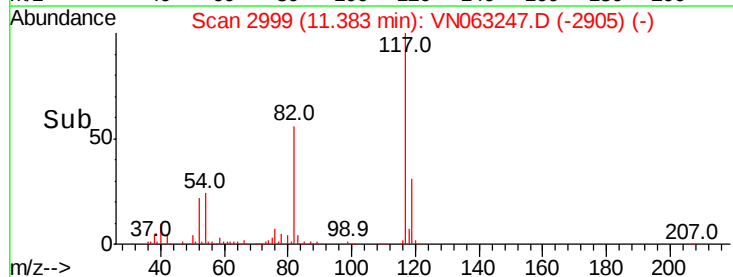
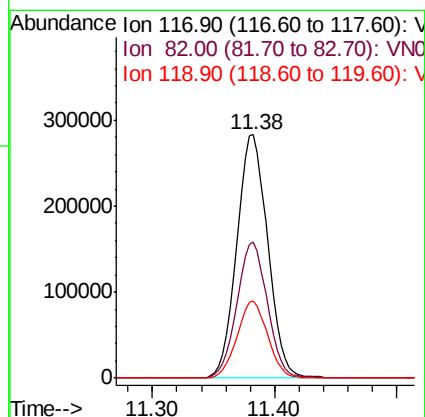
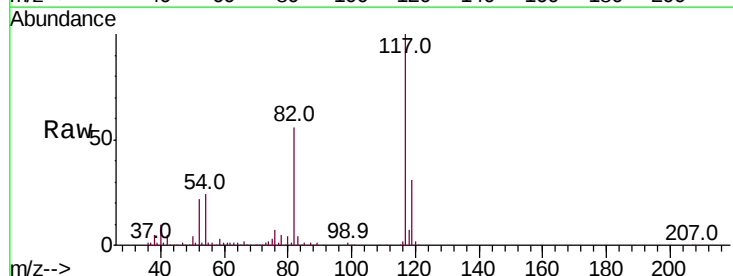
Instrument :
MSVOA_N
ClientSampleId :
TOTE-31230

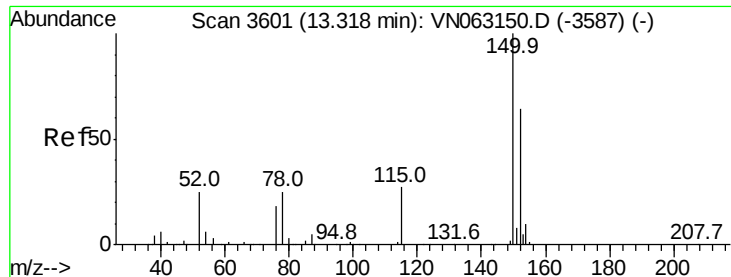
Tot Ion: 95 Resp: 211896
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 70.9 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063247.D
Acq: 4 Sep 2020 15:01

Tgt Ion: 117 Resp: 498652
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 31.5 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

TOTE-31230

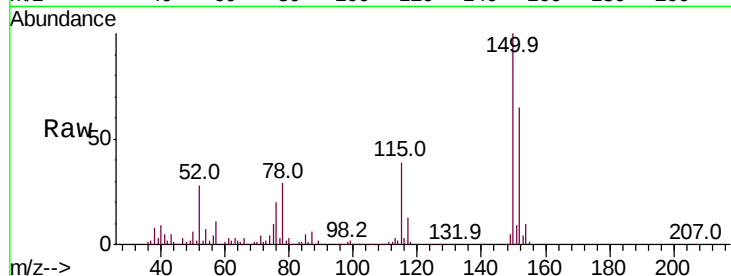
Tot Ion:152 Resp: 190870

Ion Ratio Lower Upper

152 100

115 60.9 32.0 96.2

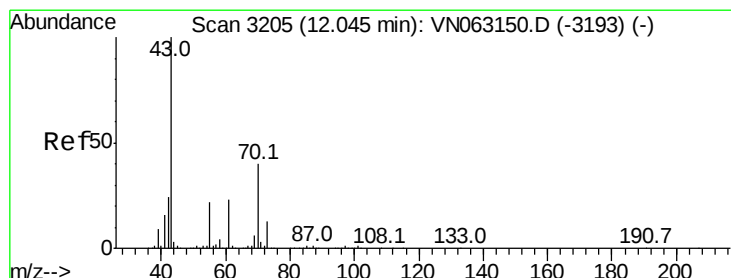
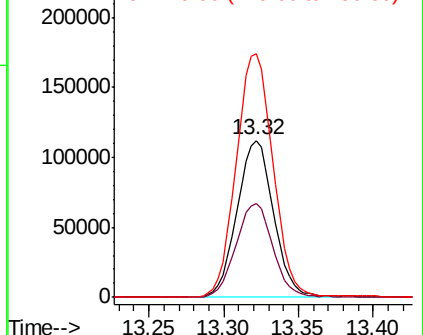
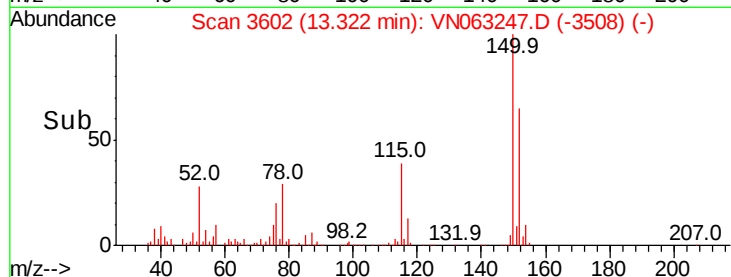
150 156.2 0.0 353.0



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



#74

N-ethyl acetate

Concen: 0.302 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.03 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Tgt Ion: 43 Resp: 1832

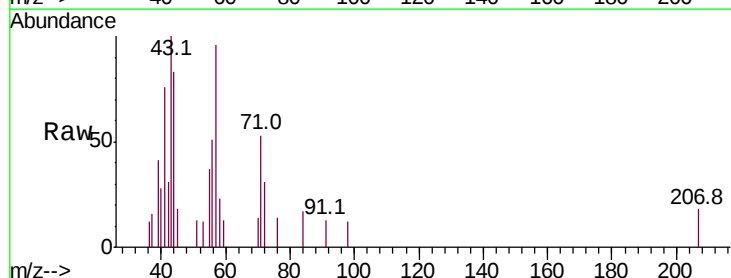
Ion Ratio Lower Upper

43 100

70 9.9 32.1 48.1#

55 22.6 17.4 26.0

61 1.6 18.6 27.8#

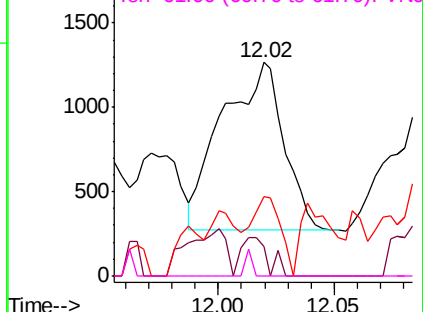
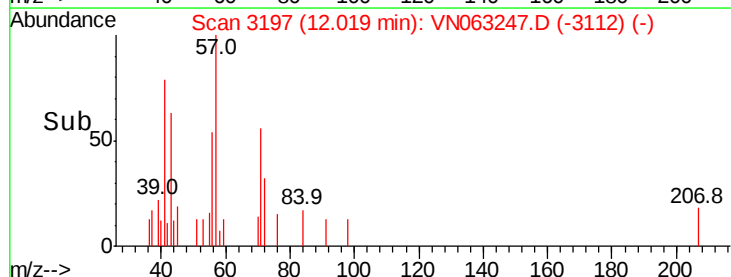


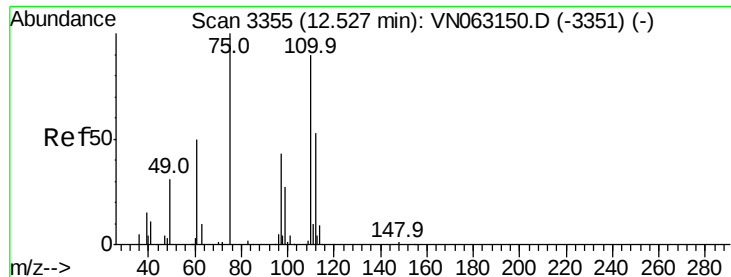
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 32.661 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

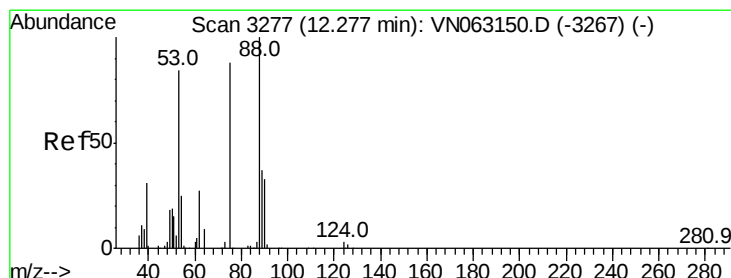
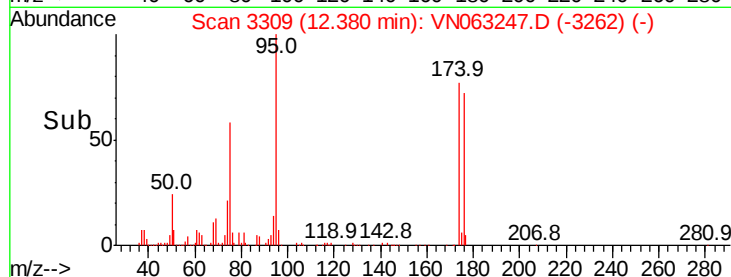
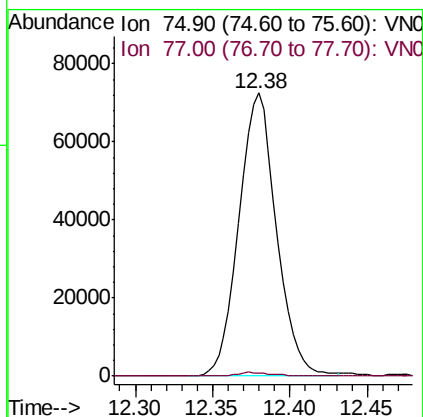
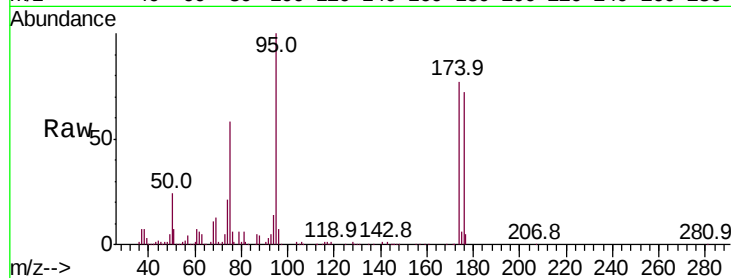
TOTE-31230

Tot Ion: 75 Resp: 122485

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.941 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063247.D

Acq: 4 Sep 2020 15:01

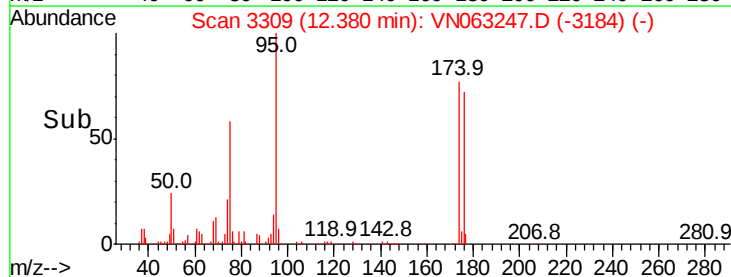
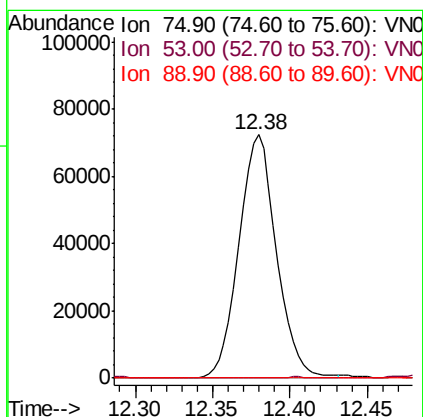
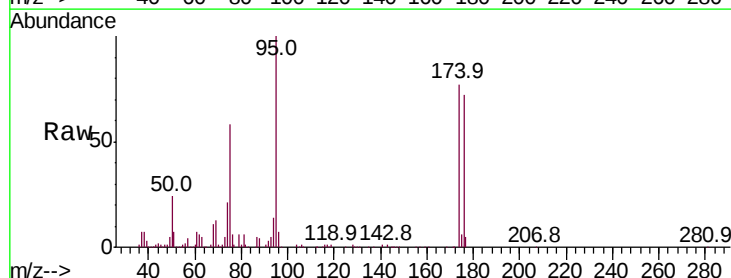
Tgt Ion: 75 Resp: 122485

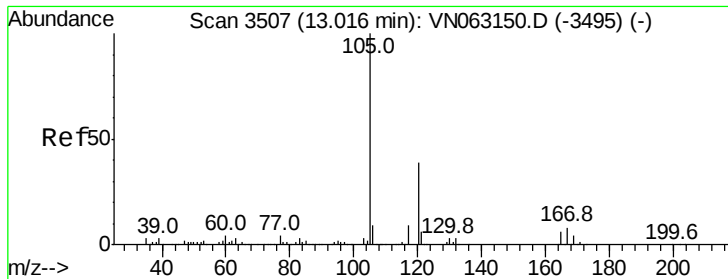
Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

89 0.0 35.3 52.9#

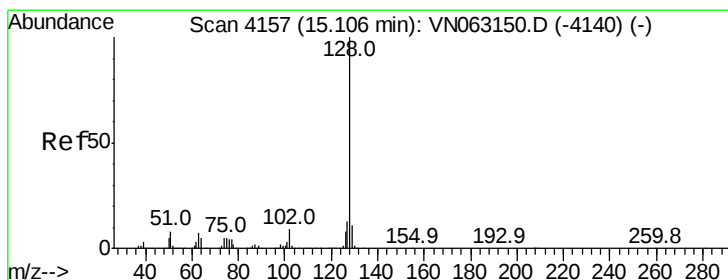
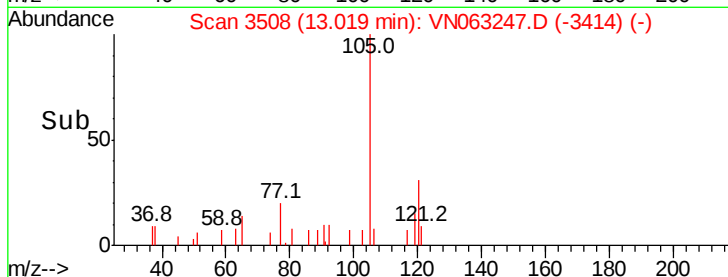
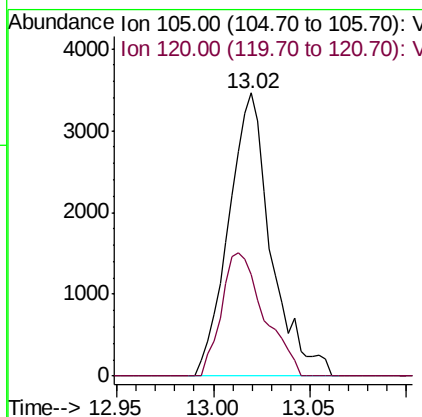
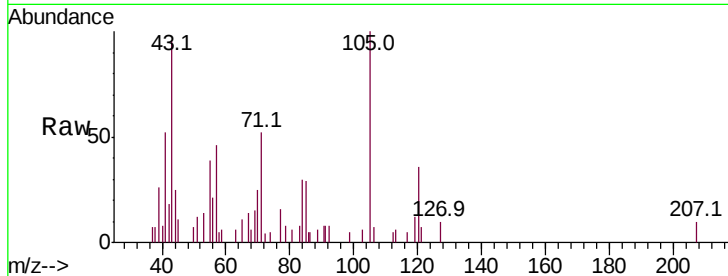




#84
 1,2,4-Trimethylbenzene
 Concen: 0.429 ug/l
 RT: 13.02 min Scan# 3508
 Delta R.T. 0.00 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-31230

Tot Ion:105 Resp: 5268
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.7



#95
 Naphthalene
 Concen: 0.400 ug/l
 RT: 15.11 min Scan# 4158
 Delta R.T. 0.00 min
 Lab File: VN063247.D
 Acq: 4 Sep 2020 15:01

Tgt Ion:128 Resp: 4400
 Ion Ratio Lower Upper
 128 100
 127 16.4 10.5 15.7#
 129 8.5 8.6 13.0#

