

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063183.D
 Acq On : 2 Sep 2020 10:06
 Operator : JC/MD
 Sample : VN0902MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

Quant Time: Sep 03 00:56:06 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	384151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	744755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	720943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	281561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	300070	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.55	113	239780	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.06	98	926085	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.38	95	325124	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

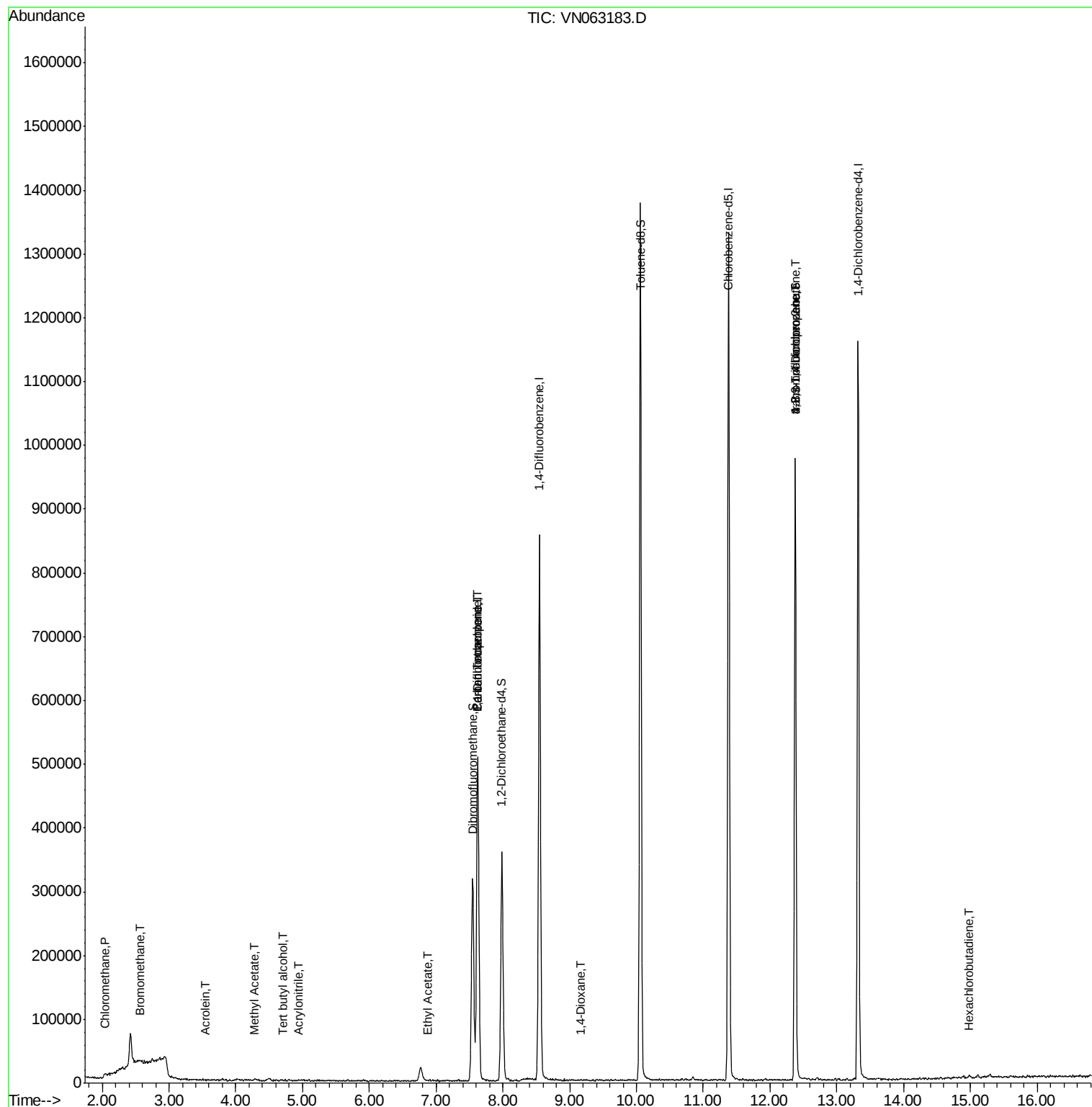
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2894	0.525	ug/l #	81
5) Bromomethane	2.55	94	2381	0.465	ug/l #	44
7) Trichlorofluoromethane	2.96	101	151	Below Cal	#	19
11) Tert butyl alcohol	4.72	59	408	0.529	ug/l #	72
13) Acrolein	3.54	56	64	15.974	ug/l #	1
15) Acrylonitrile	4.94	53	120	2.459	ug/l #	1
18) Methyl Acetate	4.27	43	1041	0.227	ug/l #	76
20) Methylene Chloride	4.51	84	116	Below Cal	#	9
31) Cyclohexane	7.62	56	10417	Below Cal	#	14
36) 1,1-Dichloropropene	7.62	75	35479	4.955	ug/l #	45
37) Ethyl Acetate	6.87	43	503	0.454	ug/l #	69
38) Carbon Tetrachloride	7.62	117	42548	5.860	ug/l #	15
49) 1,4-Dioxane	9.15	88	374	4.594	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	183042	33.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	183042	79.972	ug/l #	10
94) Hexachlorobutadiene	14.98	225	624	0.343	ug/l #	40

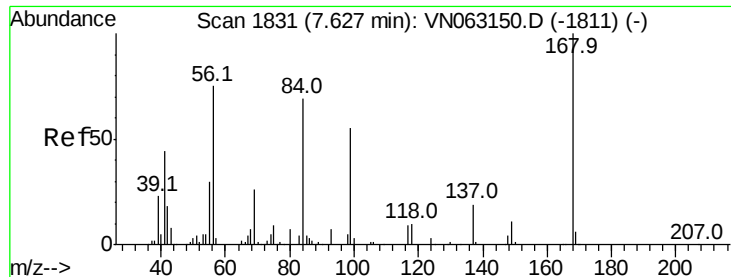
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090220\
Data File : VN063183.D
Acq On : 2 Sep 2020 10:06
Operator : JC/MD
Sample : VN0902MBL01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBL01

Quant Time: Sep 03 00:56:06 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# 1830

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

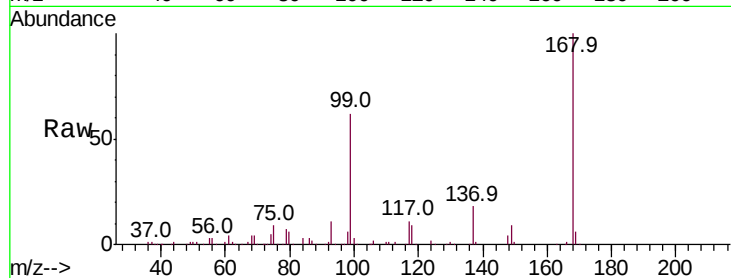
VN0902MBL01

Tot Ion:168 Resp: 384151

Ion Ratio Lower Upper

168 100

99 61.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063183.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063183.D (-1738) (-)

7.62

150000

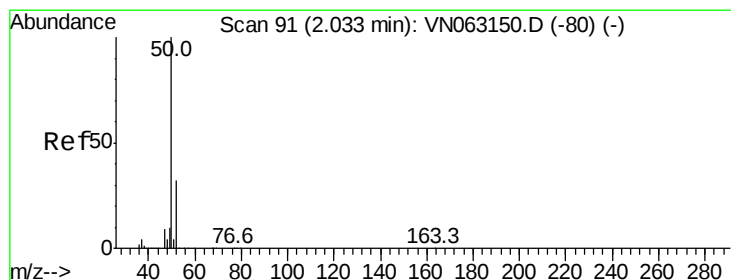
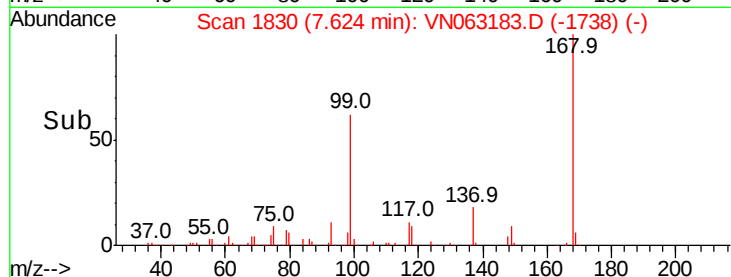
100000

50000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.525 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063183.D

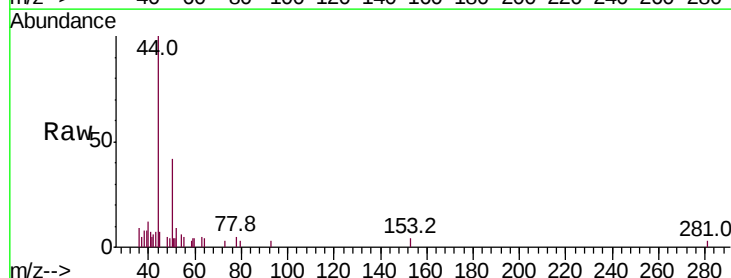
Acq: 2 Sep 2020 10:06

Tgt Ion: 50 Resp: 2894

Ion Ratio Lower Upper

50 100

52 21.4 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN063183.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN063183.D (-1) (-)

2500

2000

1500

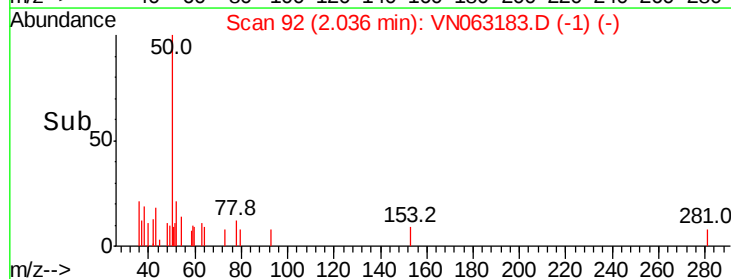
1000

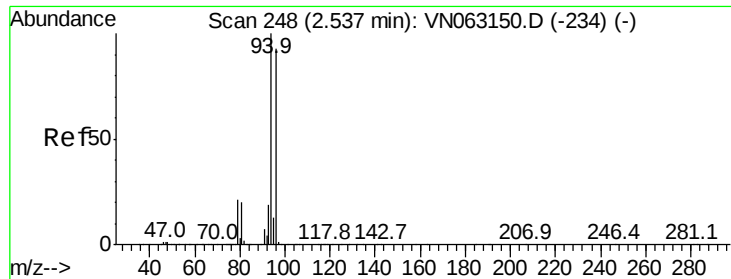
500

0

2.00 2.02 2.04 2.06

Time-->





#5

Bromomethane

Concen: 0.465 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

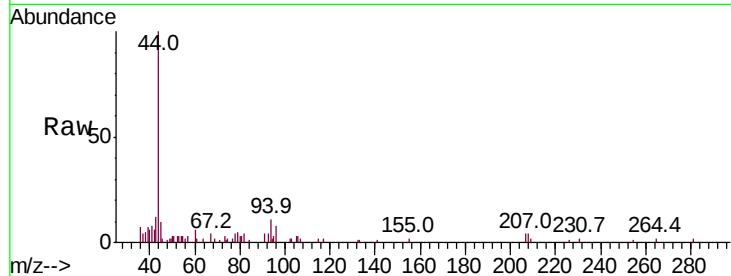
VN0902MBL01

Tot Ion: 94 Resp: 2381

Ion Ratio Lower Upper

94 100

96 39.1 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VN063150.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN063150.D (-234) (-)

2.55

1000

500

0

Time-->

2.50 2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

2.55

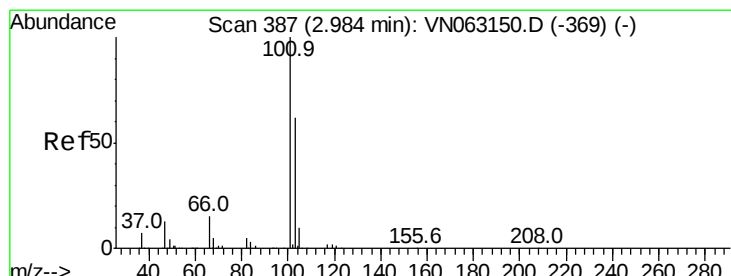
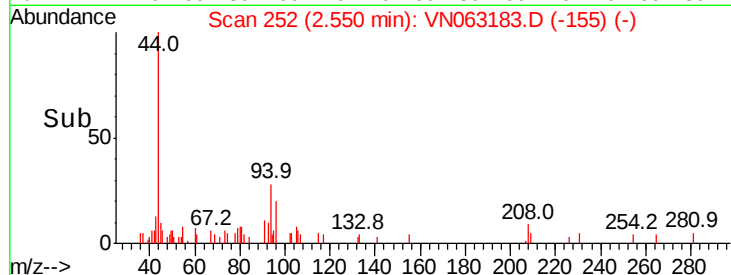
2.55

2.55

2.55

2.55

2.55



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.96 min Scan# 378

Delta R.T. -0.03 min

Lab File: VN063183.D

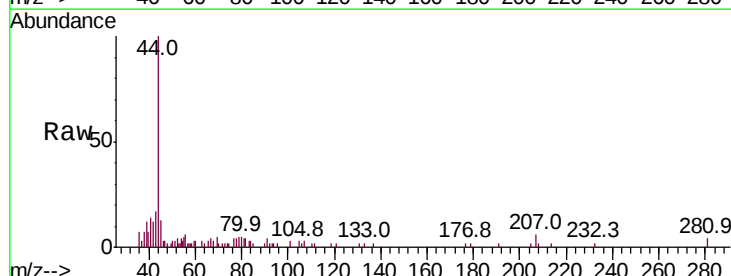
Acq: 2 Sep 2020 10:06

Tgt Ion: 101 Resp: 151

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#



Abundance Ion 100.90 (100.60 to 101.60): VN063150.D (-369) (-)

Ion 102.80 (102.50 to 103.50): VN063150.D (-369) (-)

2.96

500

400

300

200

100

0

Time-->

2.94 2.95 2.96 2.97

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

2.96

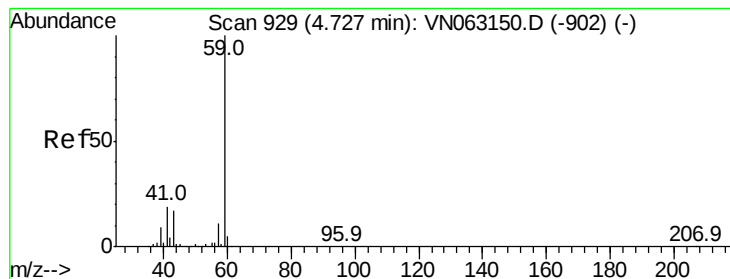
2.96

2.96

2.96

2.96

2.96



#11

Tert butyl alcohol

Concen: 0.529 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

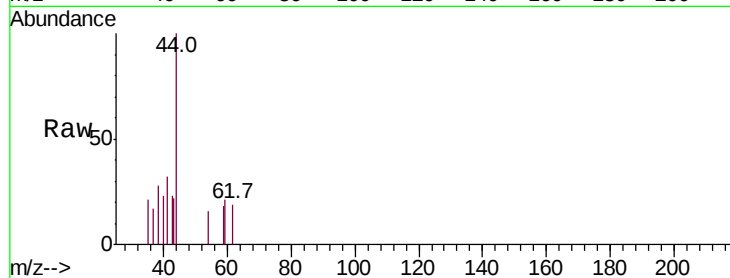
VN0902MBL01

Tot Ion: 59 Resp: 408

Ion Ratio Lower Upper

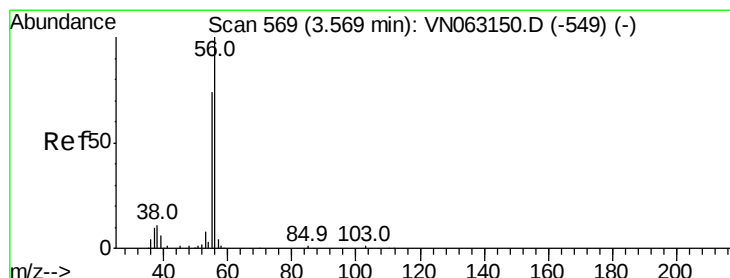
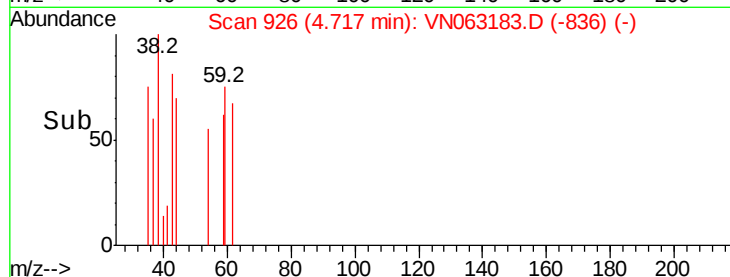
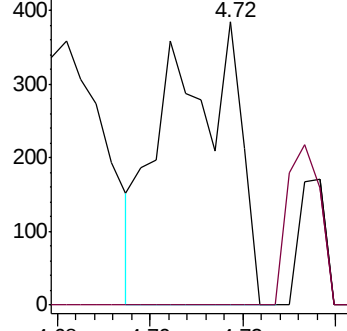
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 15.974 ug/l

RT: 3.54 min Scan# 560

Delta R.T. -0.03 min

Lab File: VN063183.D

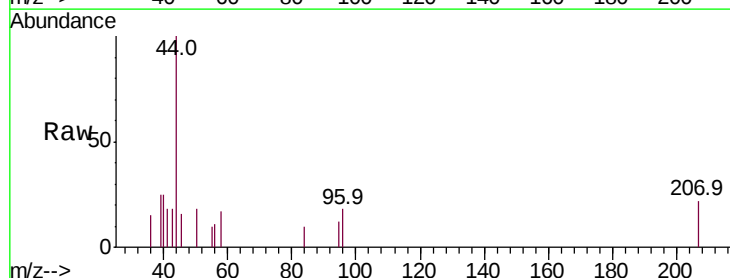
Acq: 2 Sep 2020 10:06

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

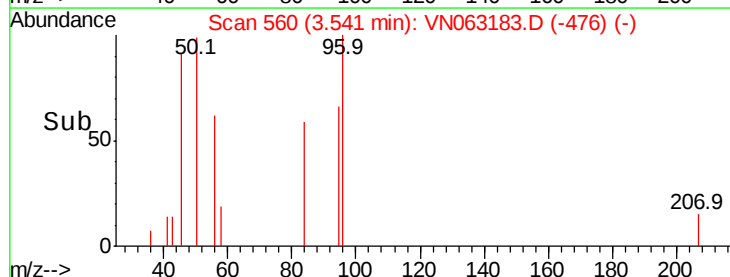
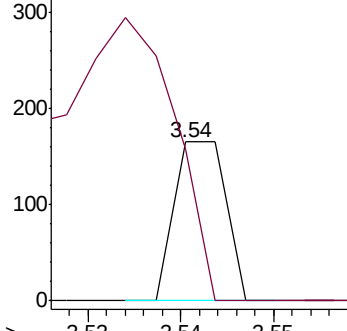
56 100

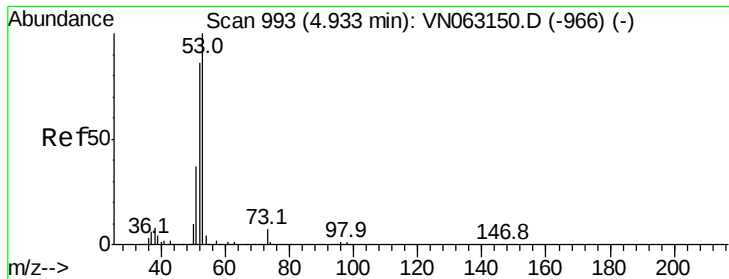
55 451.6 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acrylonitrile

Concen: 2.459 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01

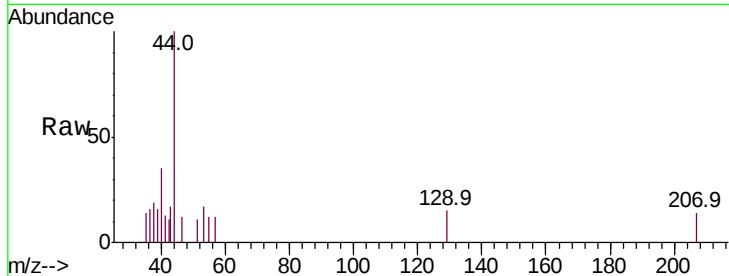
Tot Ion: 53 Resp: 120

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

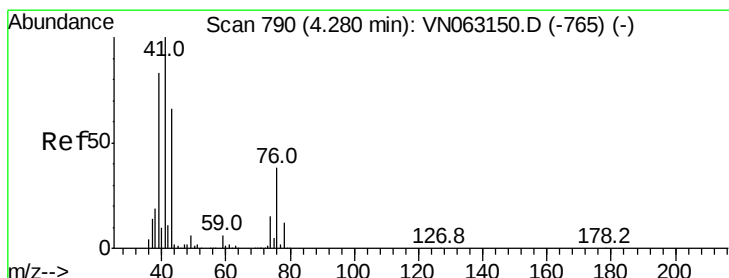
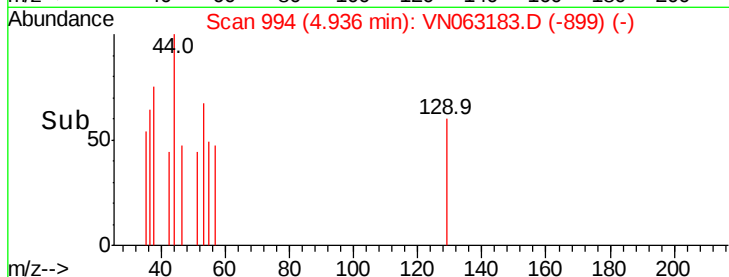
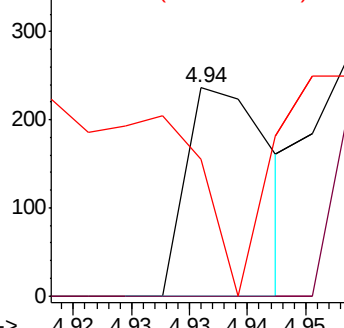
51 182.5 30.2 45.4#



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



#18

Methyl Acetate

Concen: 0.227 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN063183.D

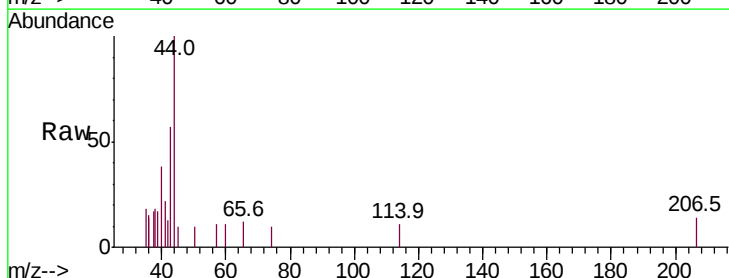
Acq: 2 Sep 2020 10:06

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

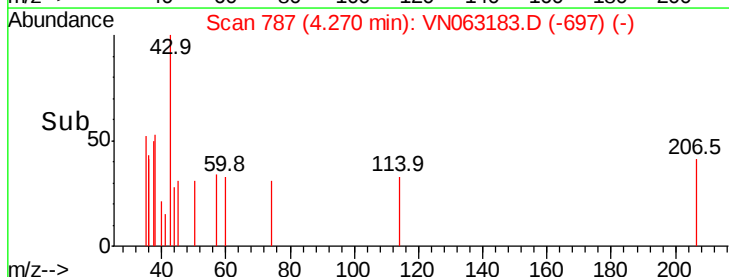
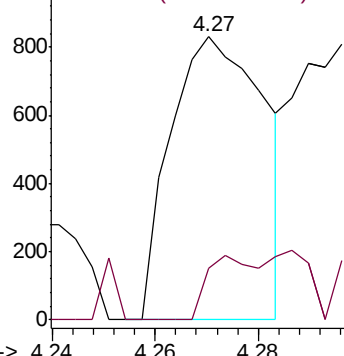
43 100

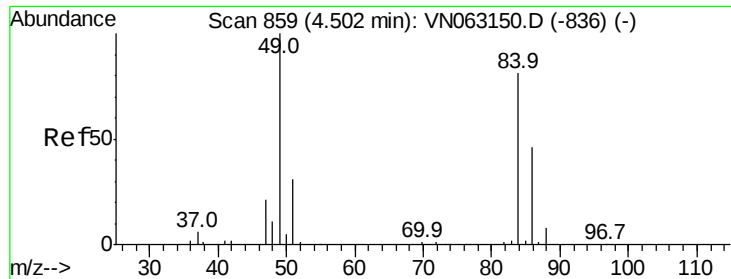
74 12.1 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

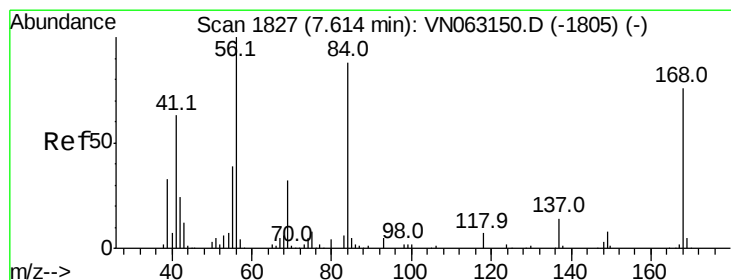
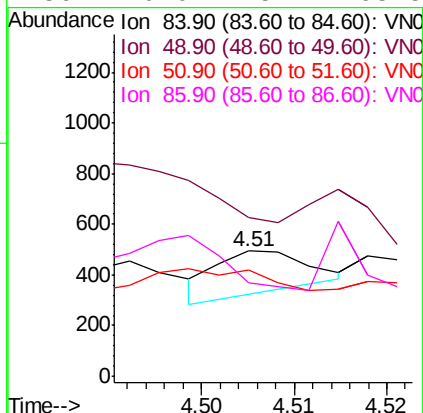
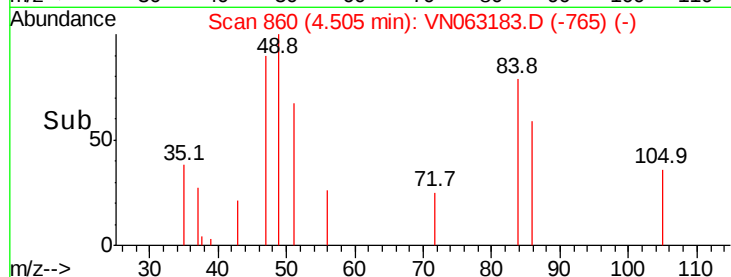
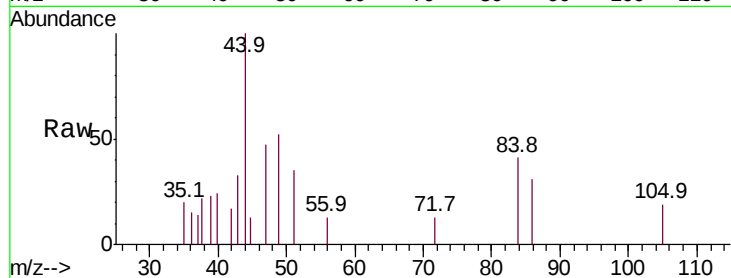




#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063183.D
Acq: 2 Sep 2020 10:06

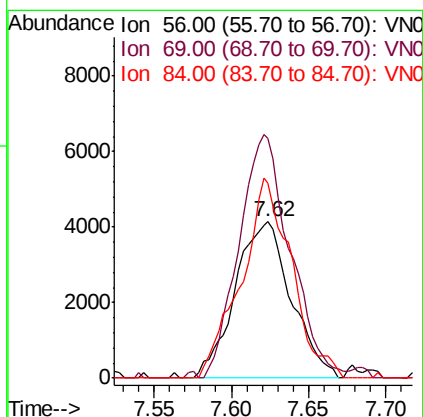
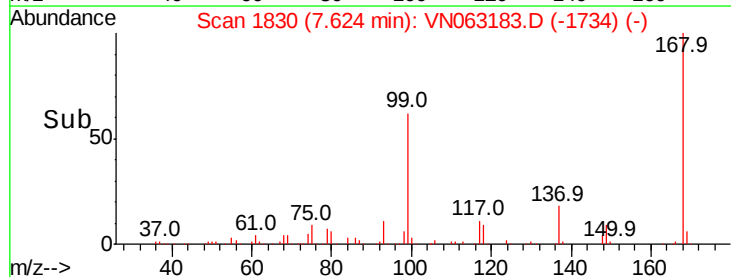
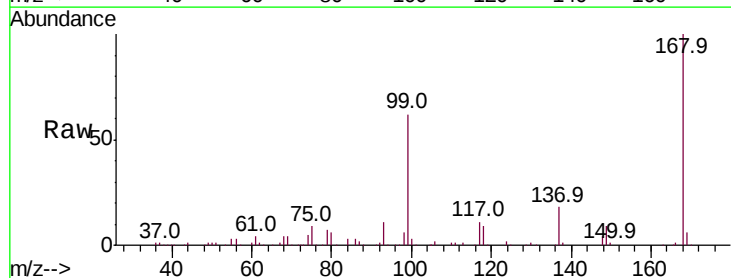
Instrument :
MSVOA_N
ClientSampled :
VN0902MBL01

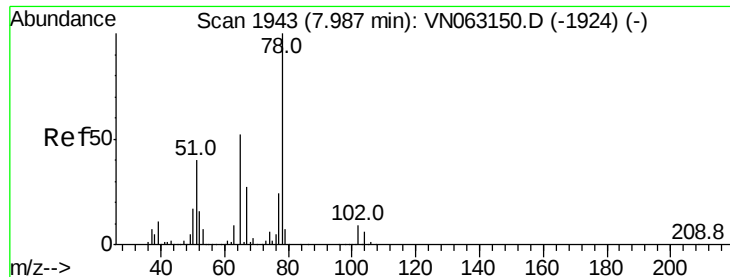
Tot Ion: 84 Resp: 116
Ion Ratio Lower Upper
84 100
49 0.0 98.4 147.6#
51 68.5 30.4 45.6#
86 0.0 45.7 68.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063183.D
Acq: 2 Sep 2020 10:06

Tgt Ion: 56 Resp: 10417
Ion Ratio Lower Upper
56 100
69 149.9 25.4 38.0#
84 125.2 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 47.784 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

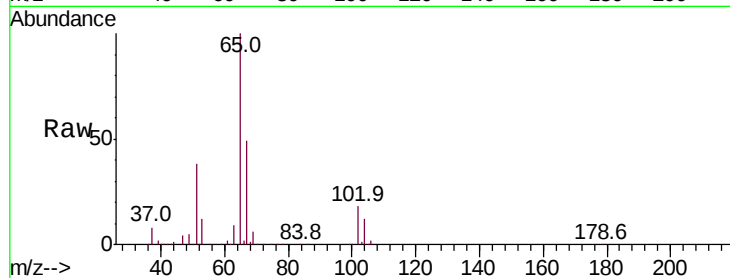
VN0902MBL01

Tot Ion: 65 Resp: 300070

Ion Ratio Lower Upper

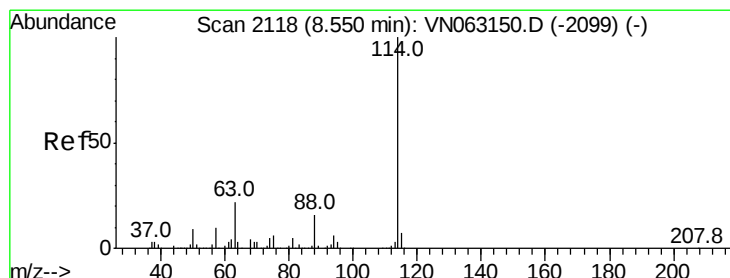
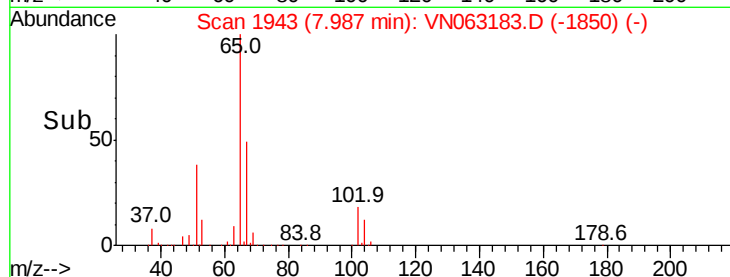
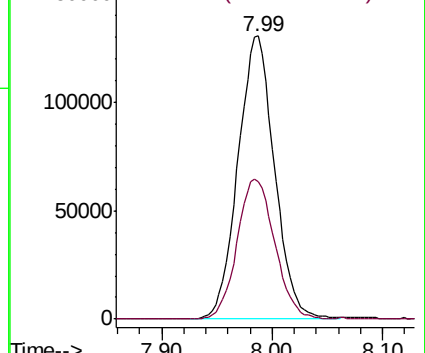
65 100

67 50.8 0.0 104.4



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# 2117

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

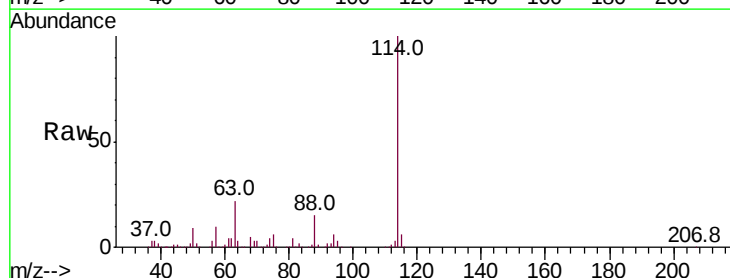
Tgt Ion: 114 Resp: 744755

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.0

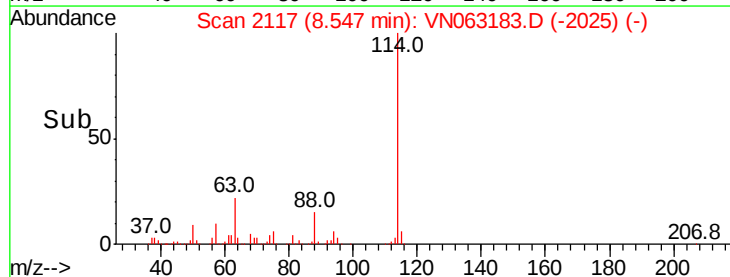
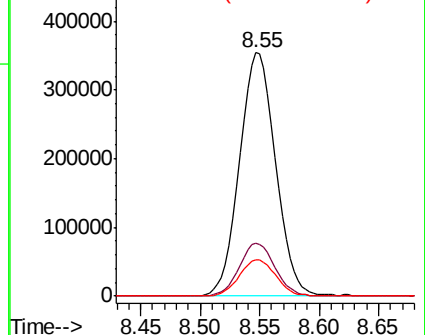
88 14.9 0.0 31.6

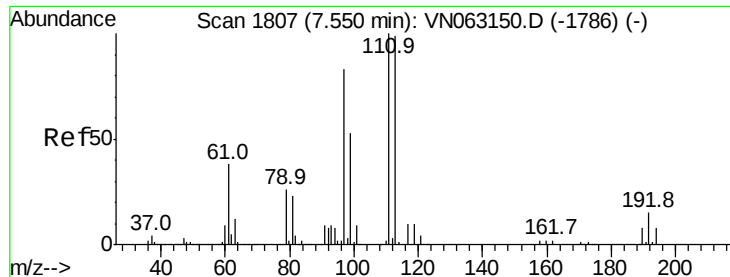


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

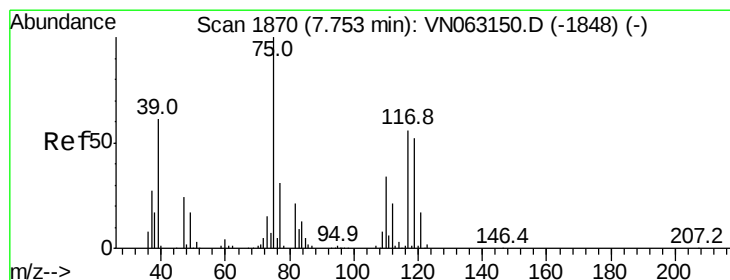
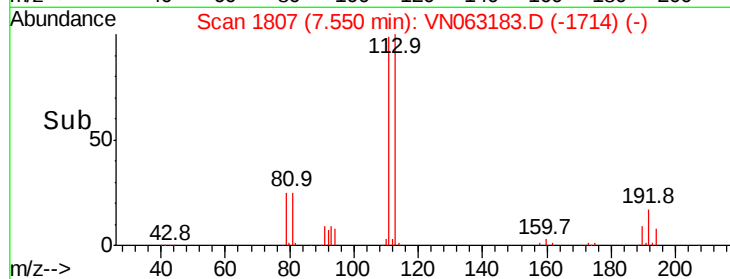
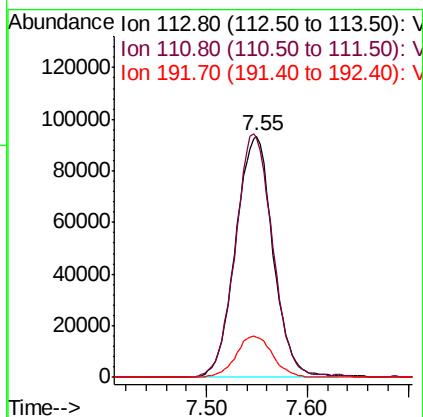
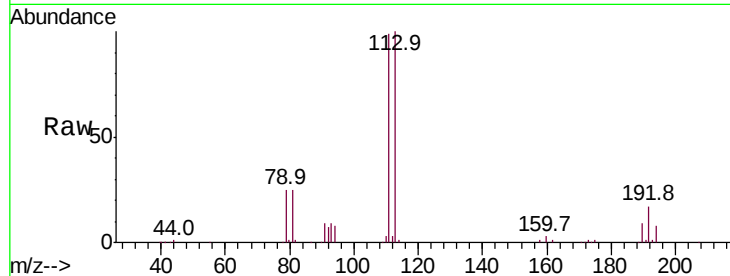




#35
 Dibromofluoromethane
 Concen: 50.184 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063183.D
 Acq: 2 Sep 2020 10:06

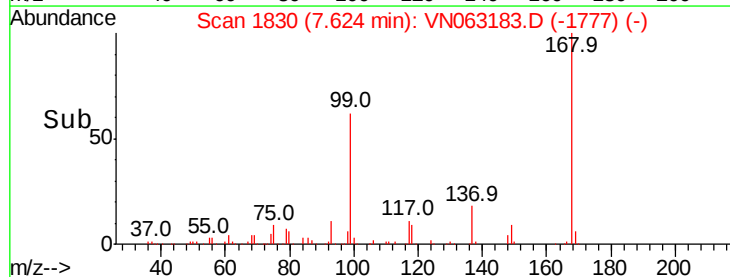
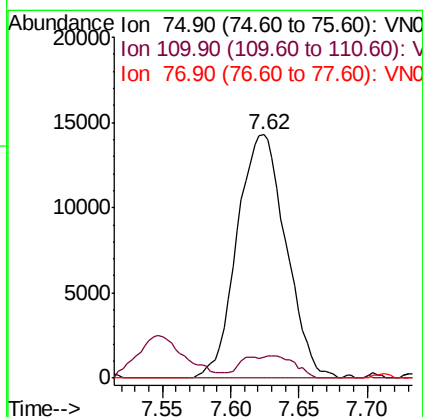
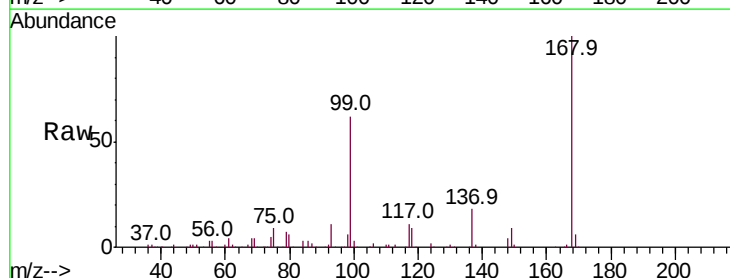
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

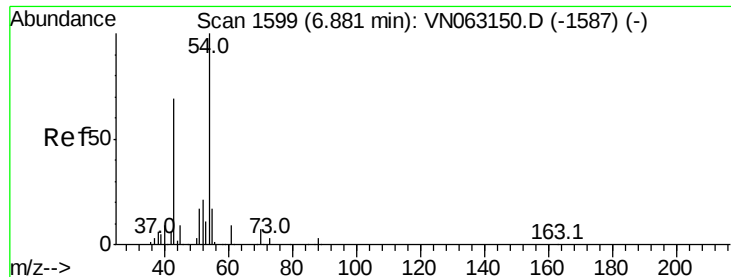
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.7	121.1
192	16.8	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.955 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063183.D
 Acq: 2 Sep 2020 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.7	16.6	49.8#
77	0.0	25.4	38.2#

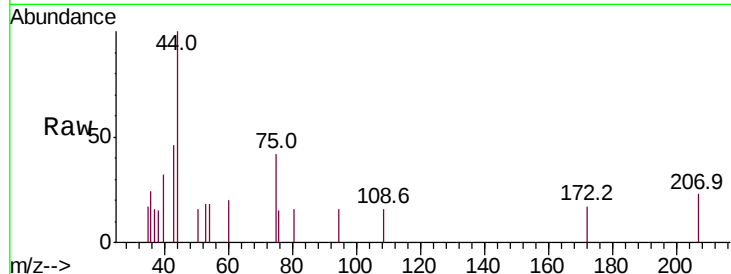




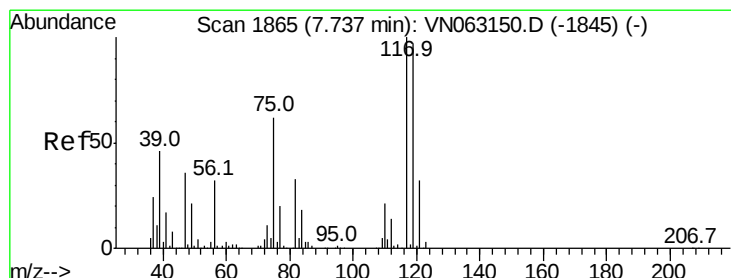
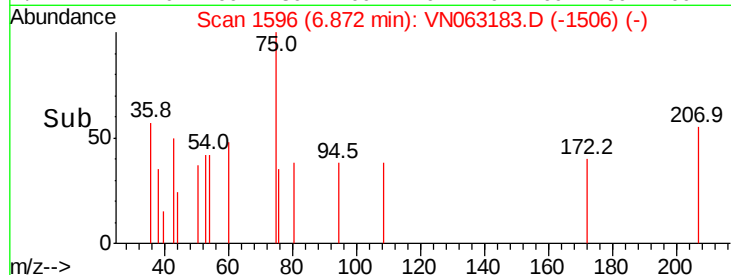
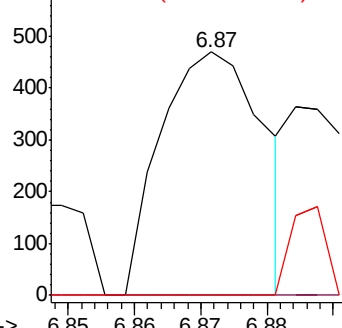
#37
Ethyl Acetate
Concen: 0.454 ug/l
RT: 6.87 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VN063183.D
Acq: 2 Sep 2020 10:06

Instrument :
MSVOA_N
ClientSampled :
VN0902MBL01

Tot Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 12.5 3.0 4.6#

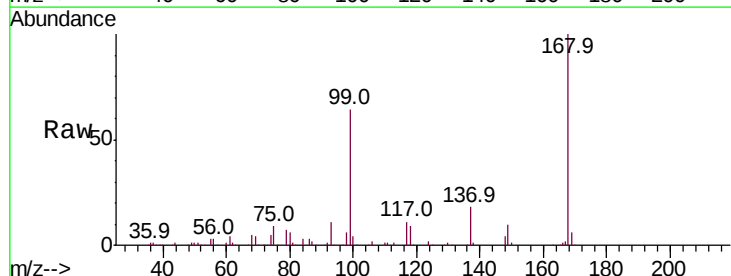


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

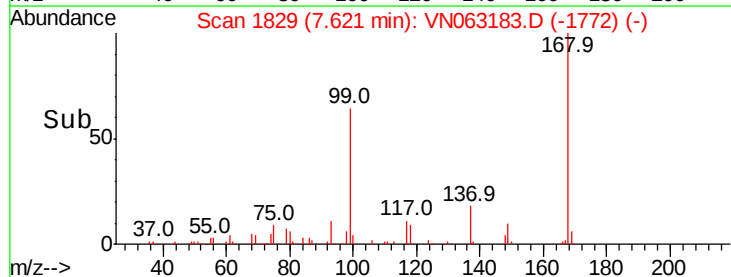
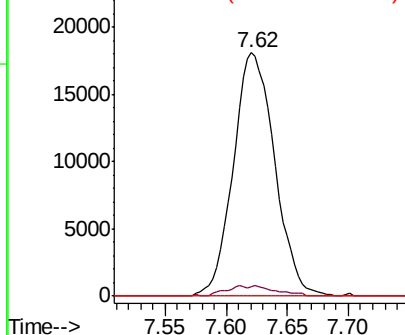


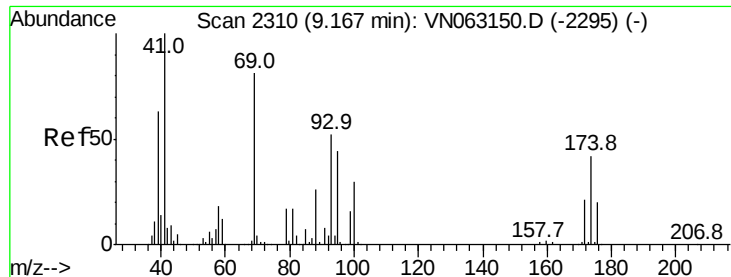
#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.12 min
Lab File: VN063183.D
Acq: 2 Sep 2020 10:06

Tgt Ion: 117 Resp: 42548
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 25.6 38.4#



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





#49

1,4-Dioxane

Concen: 4.594 ug/l

RT: 9.15 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

VN0902MBL01

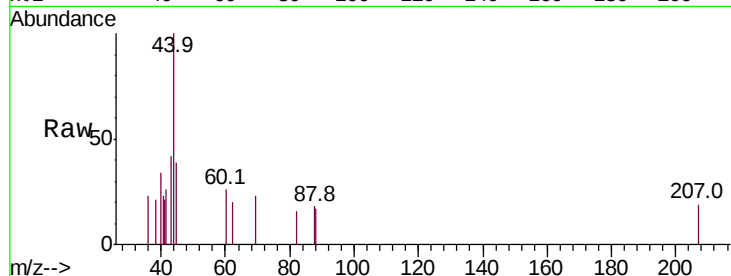
Tot Ion: 88 Resp: 374

Ion Ratio Lower Upper

88 100

43 36.4 28.6 42.8

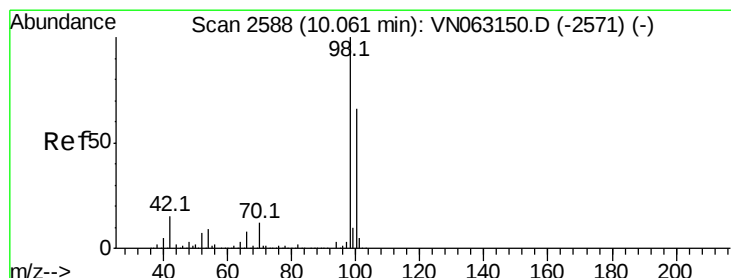
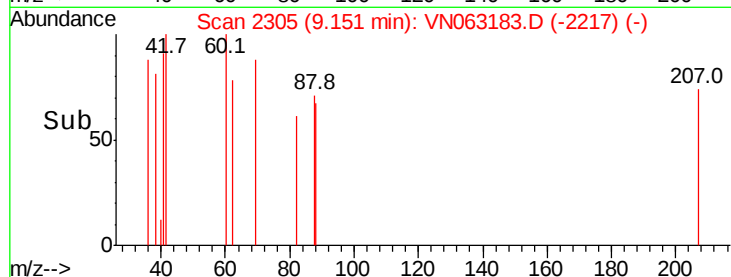
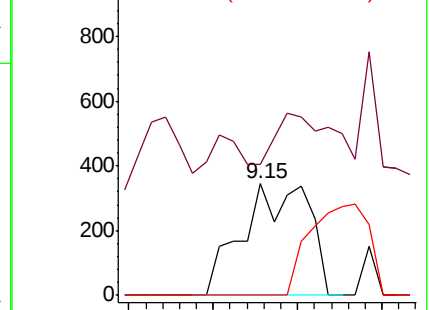
58 0.0 53.2 79.8#



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



#50

Toluene-d8

Concen: 50.357 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063183.D

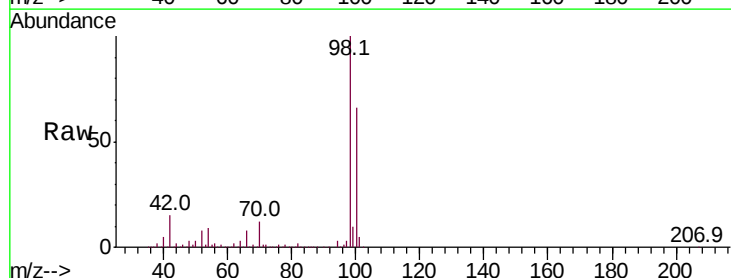
Acq: 2 Sep 2020 10:06

Tgt Ion: 98 Resp: 926085

Ion Ratio Lower Upper

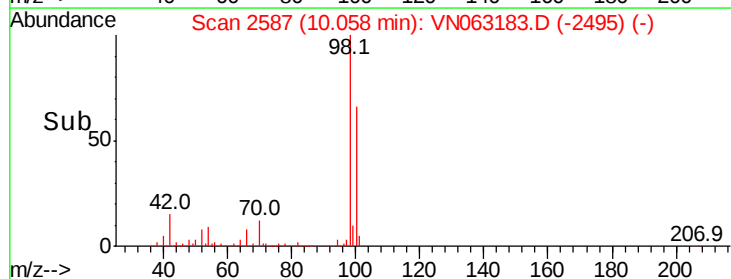
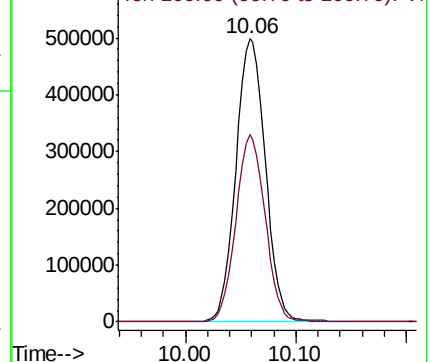
98 100

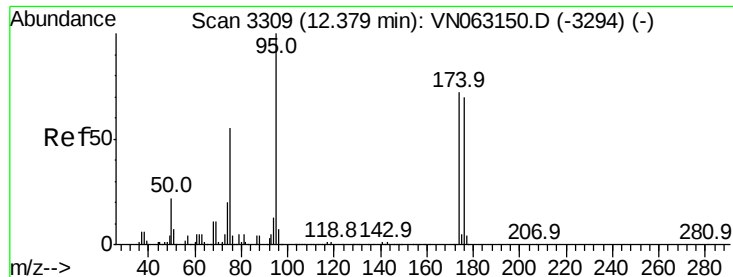
100 65.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.539 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01

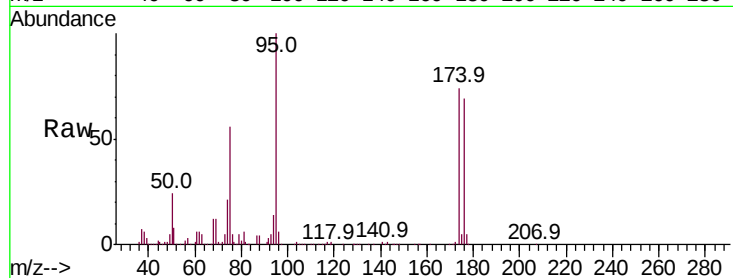
Tot Ion: 95 Resp: 325124

Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.8

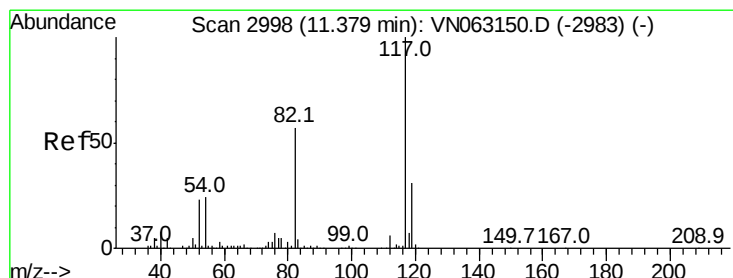
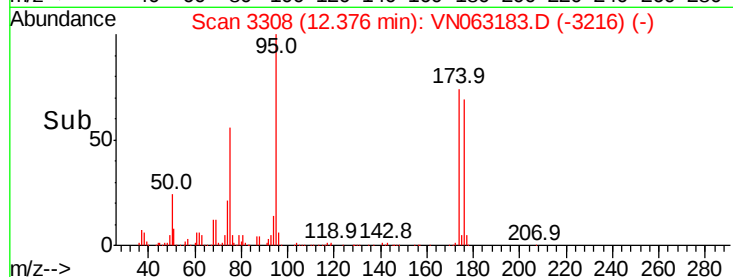
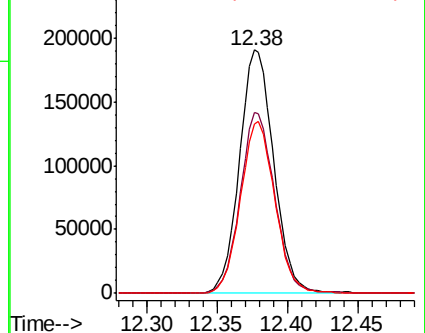
176 71.0 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063150.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063150.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

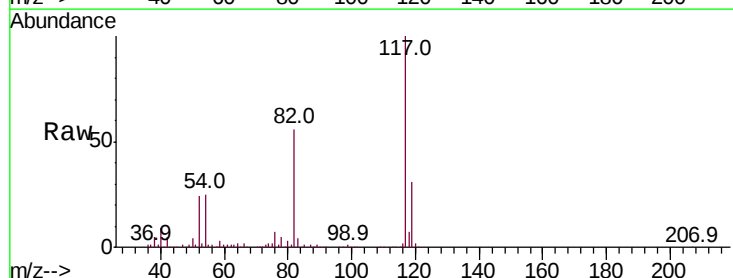
Tgt Ion: 117 Resp: 720943

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.0

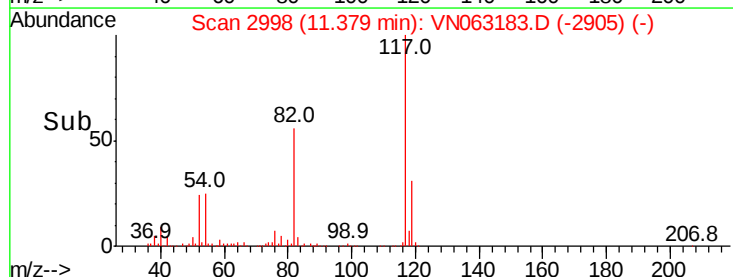
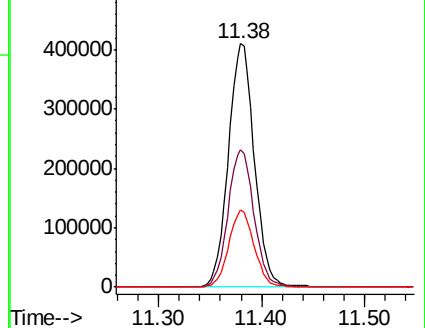
119 31.5 24.6 37.0

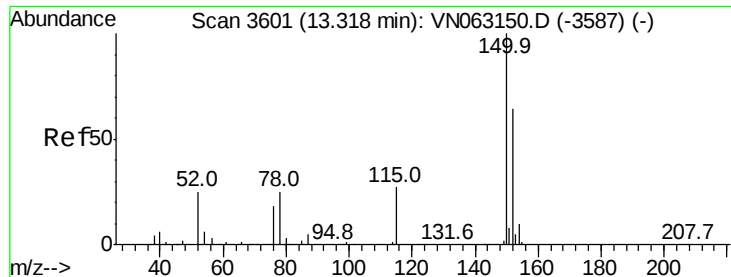


Abundance Ion 116.90 (116.60 to 117.60): VN063150.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063150.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063150.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01

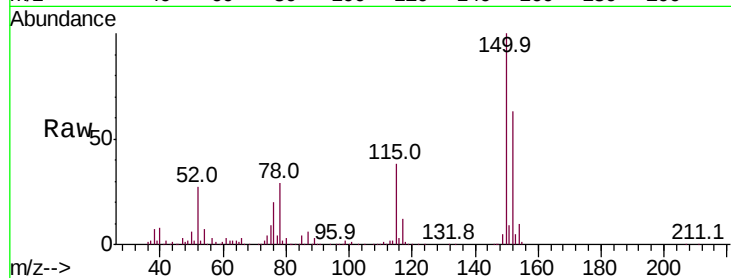
Tot Ion:152 Resp: 281561

Ion Ratio Lower Upper

152 100

115 62.2 32.0 96.2

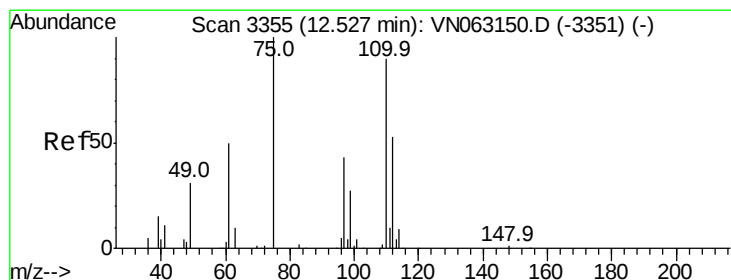
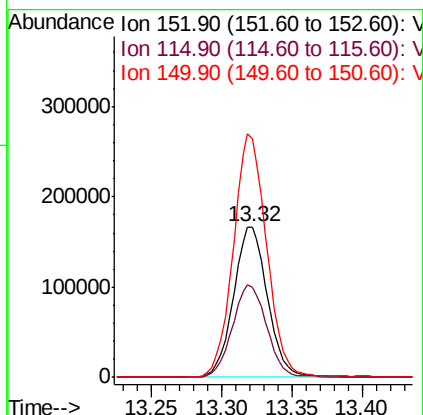
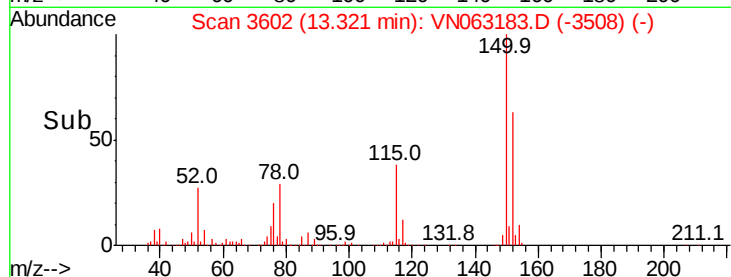
150 158.7 0.0 353.0



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: 33.087 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063183.D

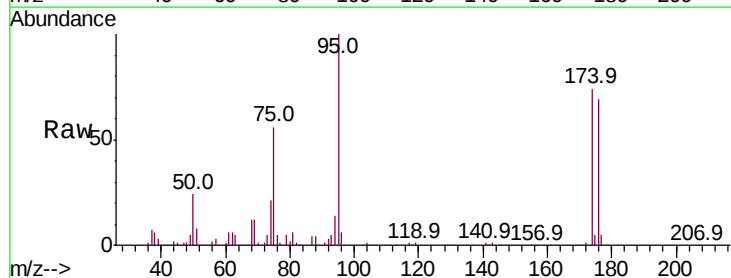
Acq: 2 Sep 2020 10:06

Tgt Ion: 75 Resp: 183042

Ion Ratio Lower Upper

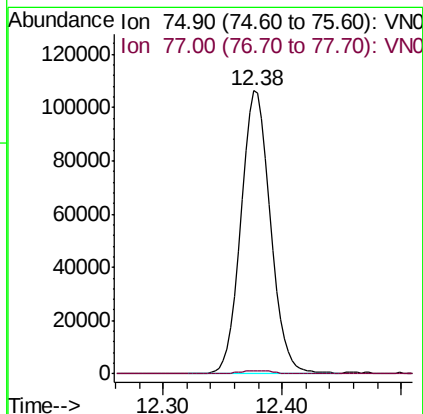
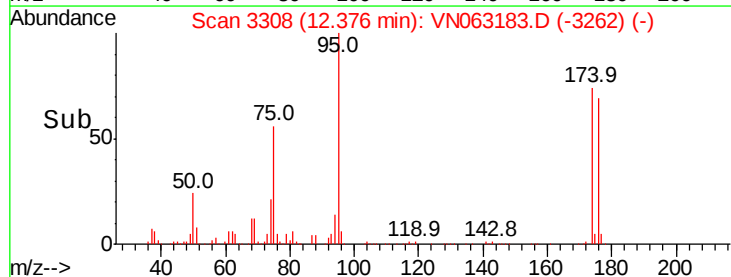
75 100

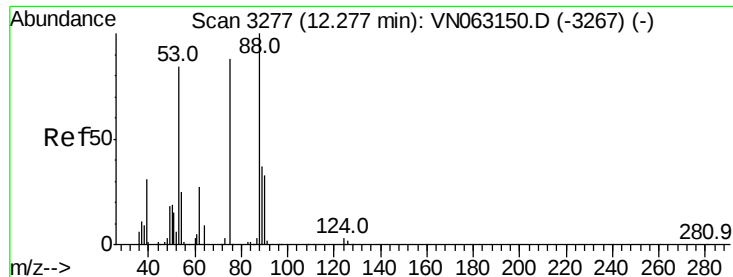
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.972 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

Instrument :

MSVOA_N

ClientSampled :

VN0902MBL01

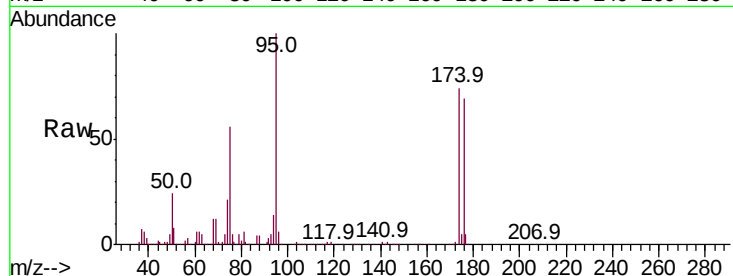
Tot Ion: 75 Resp: 183042

Ion Ratio Lower Upper

75 100

53 0.1 78.7 118.1#

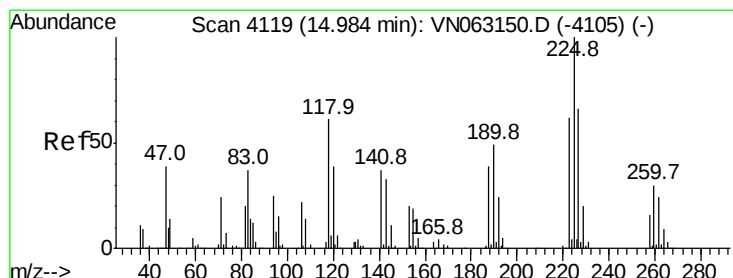
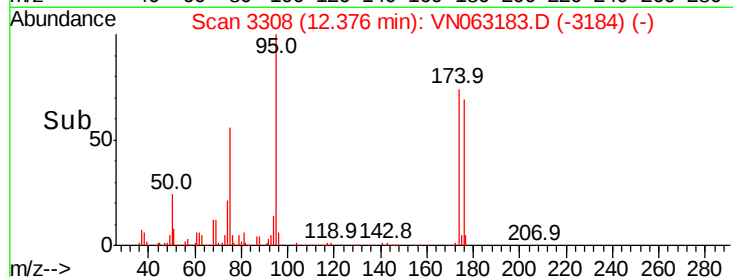
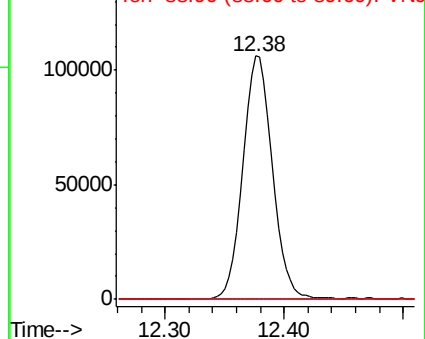
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#94

Hexachlorobutadiene

Concen: 0.343 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN063183.D

Acq: 2 Sep 2020 10:06

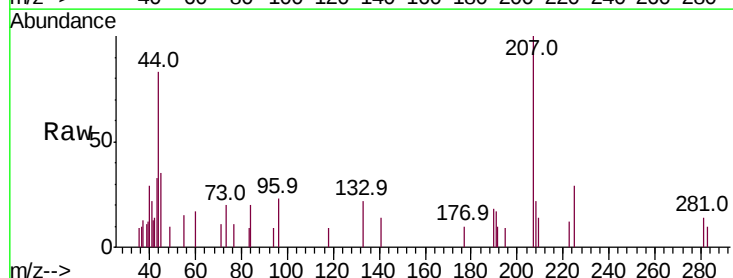
Tgt Ion: 225 Resp: 624

Ion Ratio Lower Upper

225 100

223 11.2 30.9 92.7#

227 22.4 32.9 98.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

