

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063265.D
 Acq On : 5 Sep 2020 3:36
 Operator : JC/MD
 Sample : L3877-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Sep 05 07:34:13 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	261971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	525291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	265705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	247765	57.86	ug/l	0.00
Spiked Amount			Recovery	=	115.72%	
35) Dibromofluoromethane	7.55	113	160216	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
50) Toluene-d8	10.06	98	679708	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.38	95	264303	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1665	0.443	ug/l	98
5) Bromomethane	2.55	94	2238	0.641	ug/l	84
7) Trichlorofluoromethane	2.98	101	118	Below Cal	#	19
10) Methyl Iodide	3.92	142	1203	0.313	ug/l #	65
13) Acrolein	3.57	56	65	16.074	ug/l #	1
15) Acrylonitrile	4.94	53	254	2.575	ug/l #	43
16) Acetone	3.78	43	50999	41.892	ug/l	97
17) Carbon Disulfide	4.01	76	9064	1.059	ug/l #	91
18) Methyl Acetate	4.28	43	4047	1.297	ug/l #	66
20) Methylene Chloride	4.50	84	15769	4.156	ug/l	94
25) 2-Butanone	6.80	43	16169	8.578	ug/l #	81
27) cis-1,2-Dichloroethene	6.78	96	53072	13.750	ug/l	82
29) Tetrahydrofuran	7.17	42	2093	1.606	ug/l #	58
31) Cyclohexane	7.63	56	8676	Below Cal	#	43
36) 1,1-Dichloropropene	7.63	75	24509	4.722	ug/l #	51
37) Ethyl Acetate	6.80	43	16169	3.654	ug/l #	1
38) Carbon Tetrachloride	7.62	117	30385	5.773	ug/l #	16
40) Benzene	8.01	78	13854013	908.354	ug/l #	20
42) 1,2-Dichloroethane	8.00	62	306671	53.828	ug/l	76
43) Isopropyl Acetate	8.13	43	89741	10.602	ug/l #	89
44) Trichloroethene	8.81	130	1826	0.494	ug/l	92
48) Methyl methacrylate	9.23	41	134284	35.192	ug/l #	46
49) 1,4-Dioxane	9.18	88	65	1.101	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	12779	2.778	ug/l	94
52) Toluene	10.13	92	90132	9.487	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	31833	4.833	ug/l #	68
55) 1,1,2-Trichloroethane	10.39	97	13775	3.786	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.66	63	617	0.215	ug/l #	48
59) 2-Hexanone	10.74	43	70631	21.850	ug/l #	55
67) Ethyl Benzene	11.49	91	4890135	253.362	ug/l #	86
68) m/p-Xylenes	11.60	106	1494833	209.112	ug/l	97
69) o-Xylene	11.92	106	535000	77.472	ug/l	98
70) Styrene	11.92	104	34025	2.867	ug/l #	1
71) Bromoform	12.37	173	561	0.210	ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

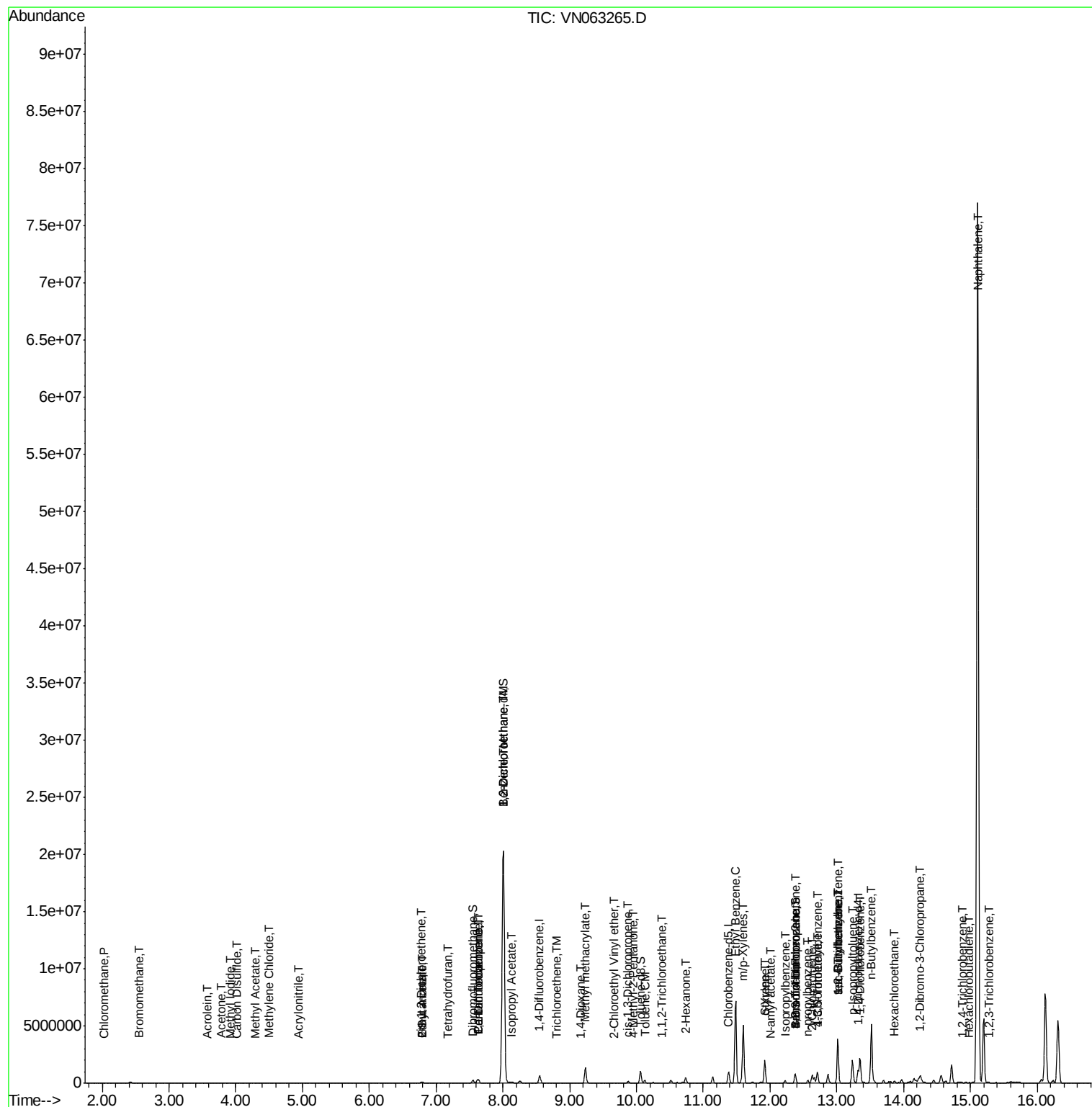
73) Isopropylbenzene	12.23	105	125510	6.159	uq/l	99
74) N-amyI acetate	12.01	43	3183	0.377	uq/l #	47
76) 1,2,3-Trichloropropane	12.38	75	151051	28.934	uq/l #	100
78) n-propylbenzene	12.57	91	168426	7.142	uq/l	100
79) 2-Chlorotoluene	12.63	91	56122	3.973	uq/l #	49
80) 1,3,5-Trimethylbenzene	12.71	105	526065	31.013	uq/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	151051	69.933	uq/l #	11
82) 4-Chlorotoluene	12.71	91	55420	3.783	uq/l #	42
83) tert-Butylbenzene	13.02	119	254878	17.520	uq/l #	66
84) 1,2,4-Trimethylbenzene	13.02	105	2097955	122.701	uq/l	99
85) sec-Butylbenzene	13.02	105	2097955	110.652	uq/l #	58
86) p-Isopropyltoluene	13.23	119	135326	8.039	uq/l #	67
88) 1,4-Dichlorobenzene	13.34	146	1776	0.203	uq/l #	25
89) n-Butylbenzene	13.52	91	468030	30.097	uq/l #	44
90) Hexachloroethane	13.86	117	15771	5.061	uq/l #	21
92) 1,2-Dibromo-3-Chloropropan	14.25	75	17590	13.618	uq/l #	7
93) 1,2,4-Trichlorobenzene	14.89	180	2496	0.544	uq/l	83
94) Hexachlorobutadiene	14.99	225	361	0.211	uq/l #	66
95) Naphthalene	15.11	128	17013883	1110.921	uq/l #	1
96) 1,2,3-Trichlorobenzene	15.29	180	2546	0.569	uq/l #	71

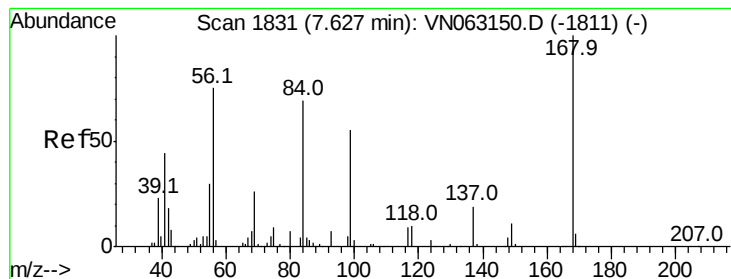
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

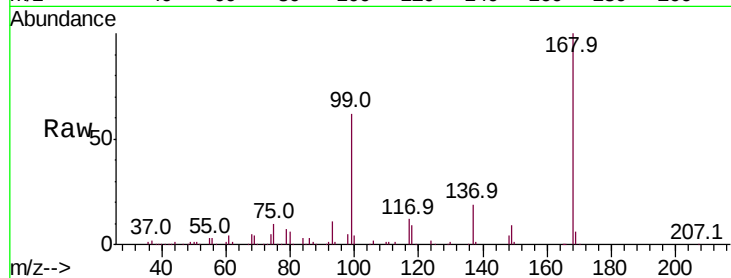
TP-1

Tot Ion:168 Resp: 261971

Ion Ratio Lower Upper

168 100

99 61.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

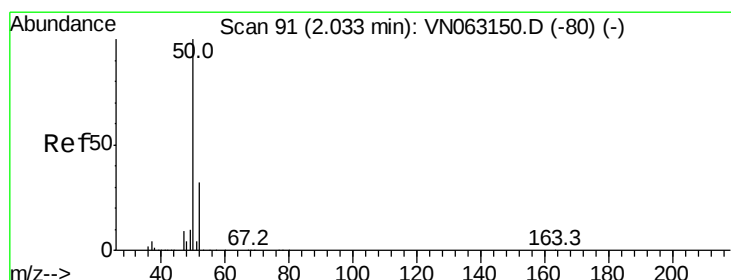
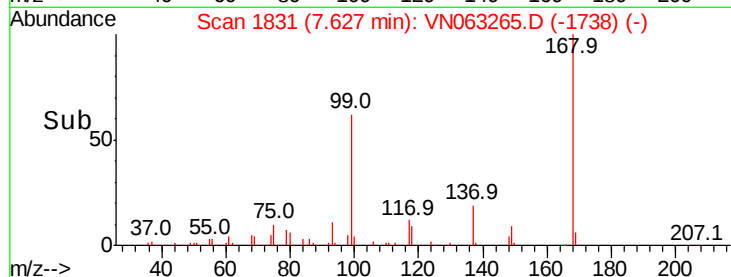
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.443 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063265.D

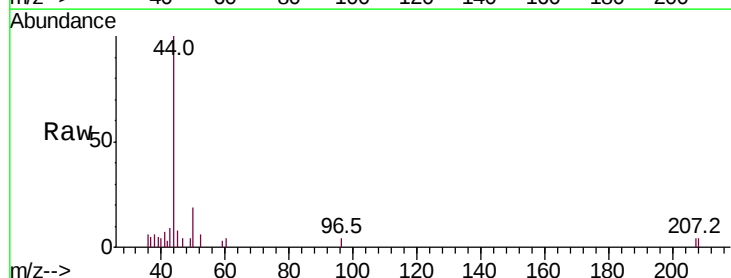
Acq: 5 Sep 2020 3:36

Tgt Ion: 50 Resp: 1665

Ion Ratio Lower Upper

50 100

52 33.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

1000

800

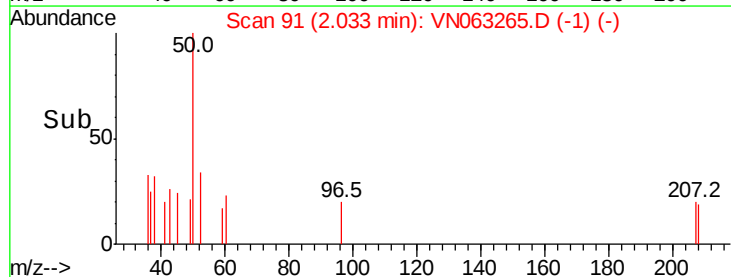
600

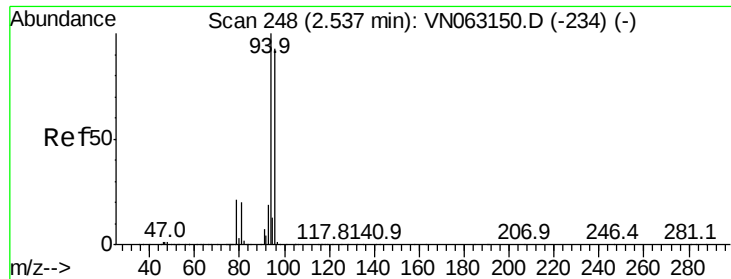
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.641 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

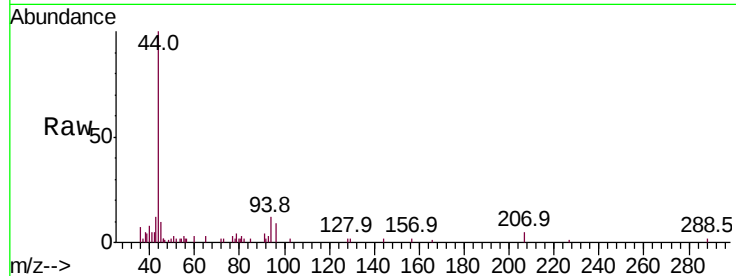
TP-1

Tot Ion: 94 Resp: 2238

Ion Ratio Lower Upper

94 100

96 77.7 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

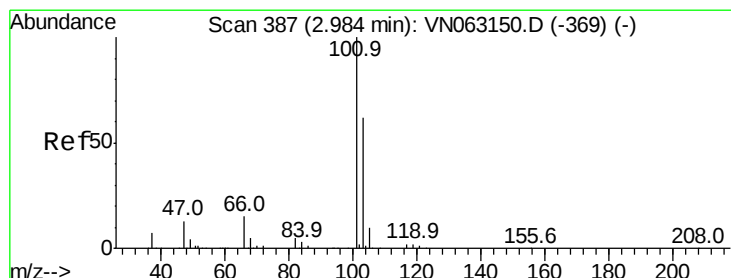
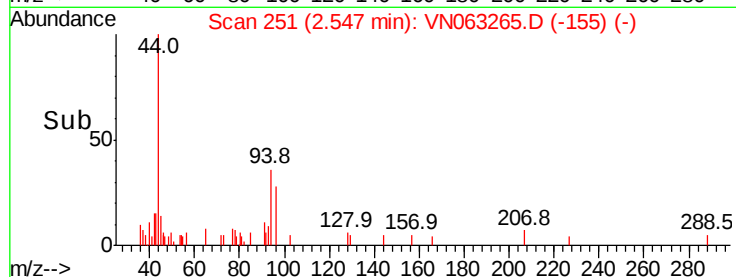
1000

500

0

Time-->

2.50 2.55 2.60



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.98 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN063265.D

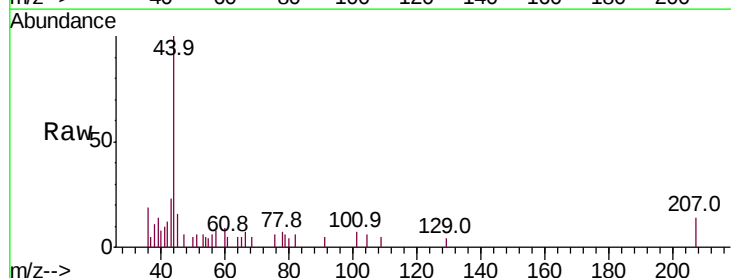
Acq: 5 Sep 2020 3:36

Tgt Ion: 101 Resp: 118

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) (-)

300

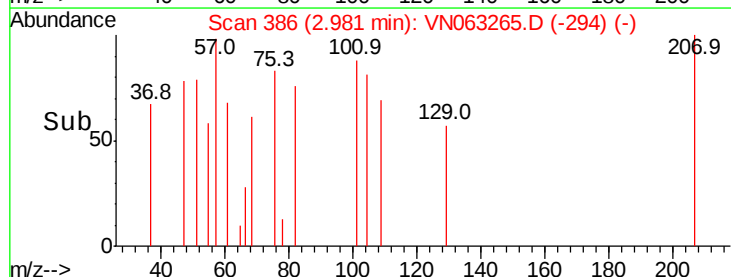
200

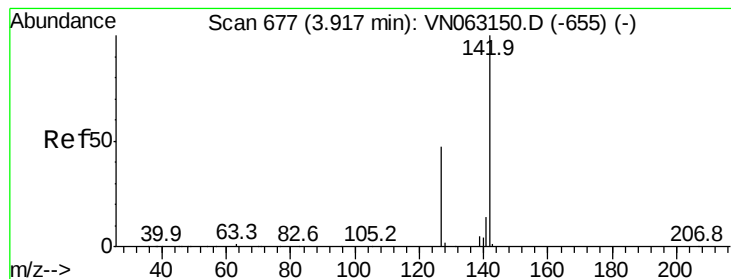
100

0

Time-->

2.97 2.98 2.99





#10

Methvl Iodide

Concen: 0.313 ug/l

RT: 3.92 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

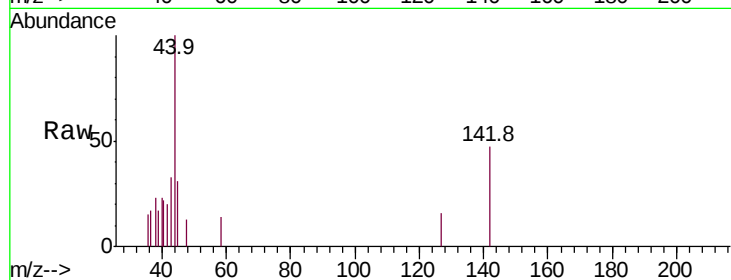
Tot Ion:142 Resp: 1203

Ion Ratio Lower Upper

142 100

127 22.2 37.6 56.4#

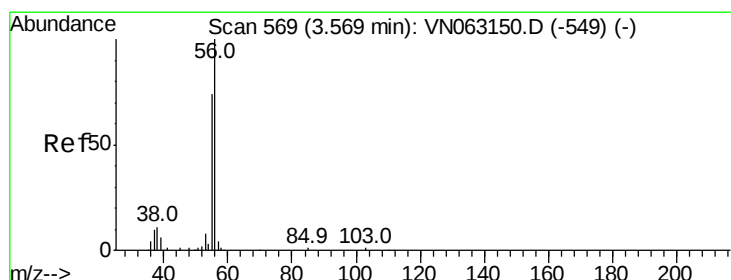
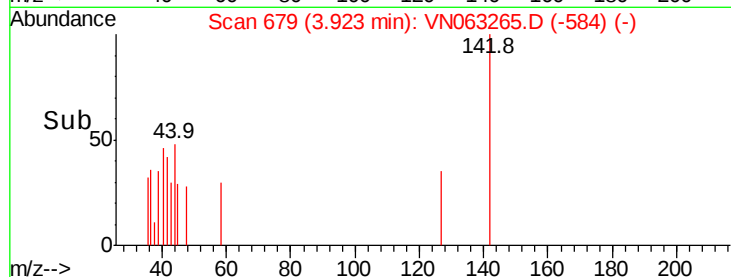
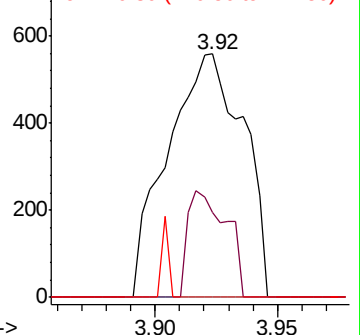
141 3.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 16.074 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN063265.D

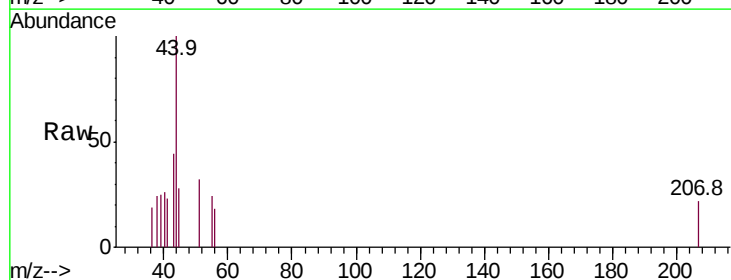
Acq: 5 Sep 2020 3:36

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

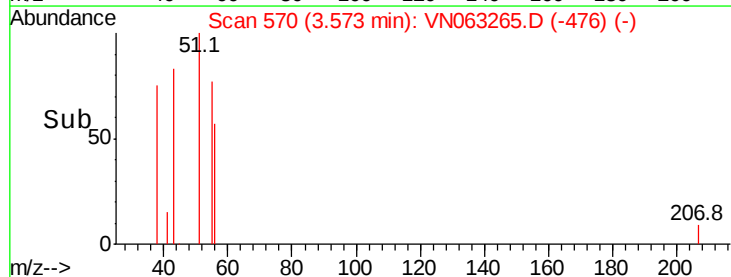
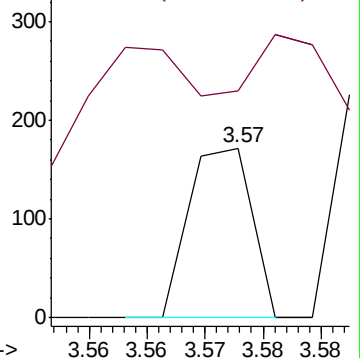
56 100

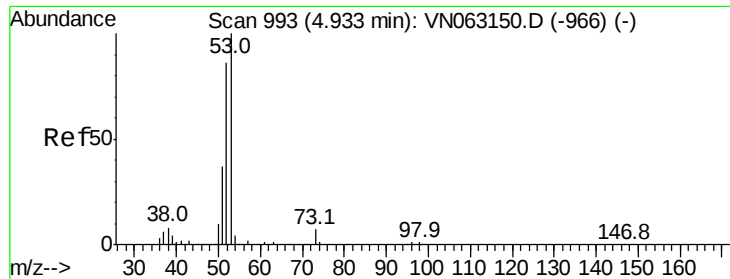
55 341.5 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V





#15

Acrylonitrile

Concen: 2.575 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN063265.D

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ClientSampleId :

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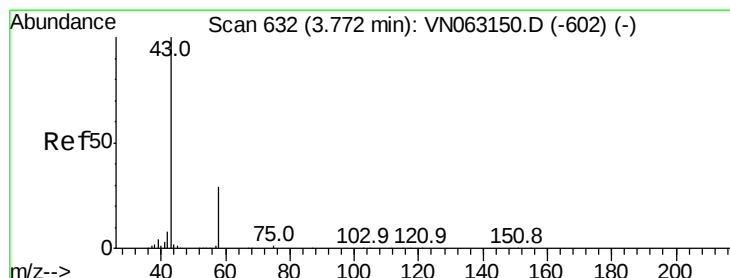
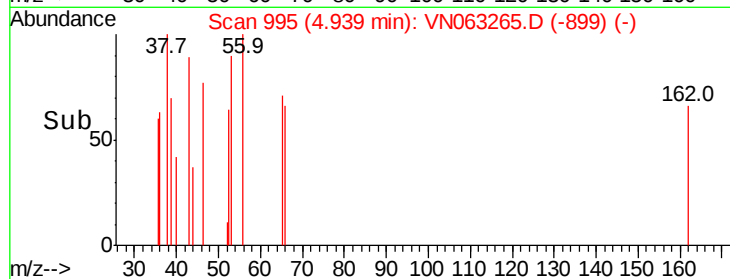
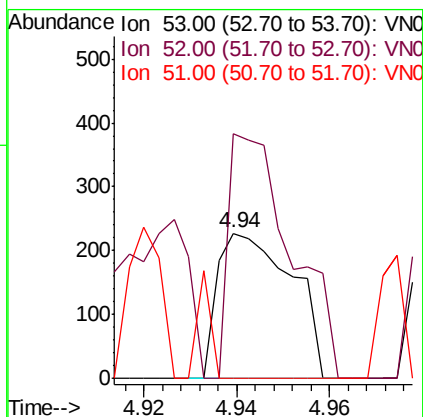
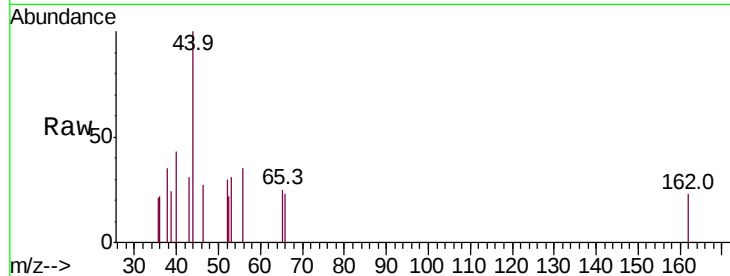
Tot Ion: 53 Resp: 254

Ion Ratio Lower Upper

53 100

52 141.7 67.2 100.8#

51 13.0 30.2 45.4#



#16

Acetone

Concen: 41.892 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063265.D

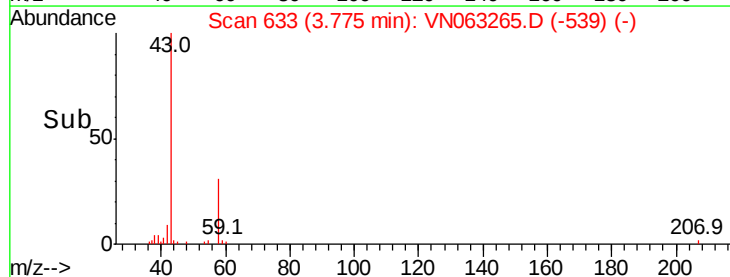
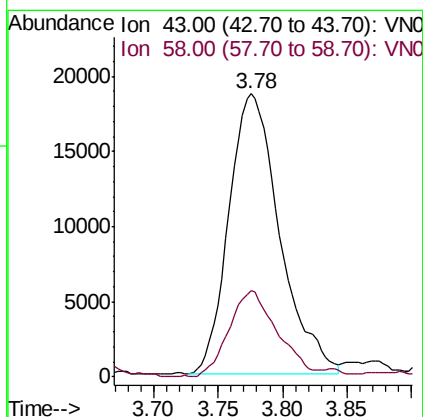
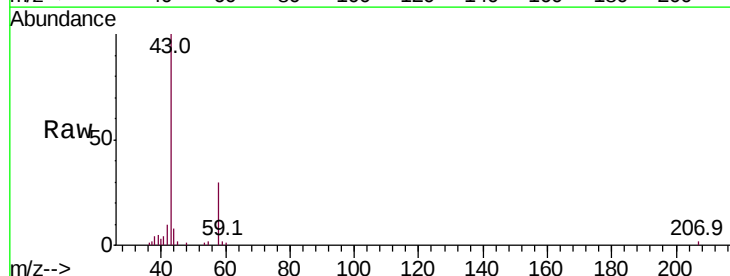
Acq: 5 Sep 2020 3:36

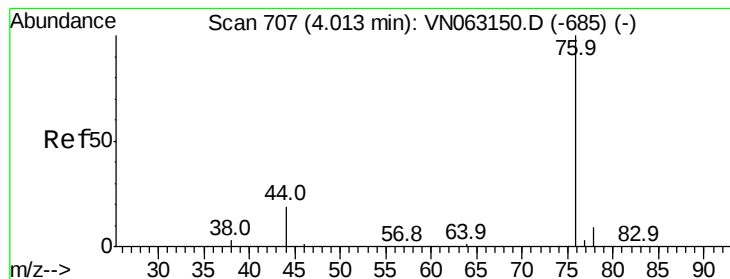
Tgt Ion: 43 Resp: 50999

Ion Ratio Lower Upper

43 100

58 30.7 23.1 34.7





#17

Carbon Disulfide

Concen: 1.059 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

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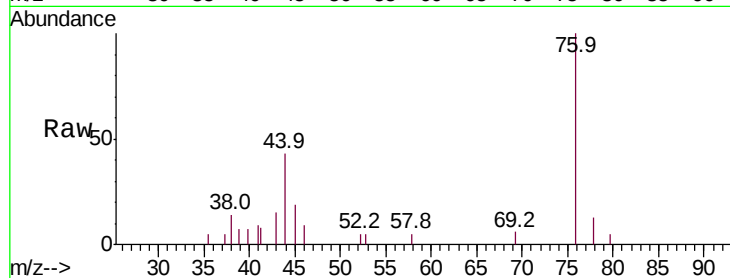
TP-1

Tot Ion: 76 Resp: 9064

Ion Ratio Lower Upper

76 100

78 12.8 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

3000

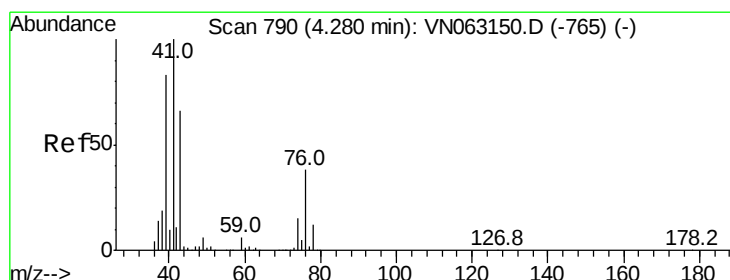
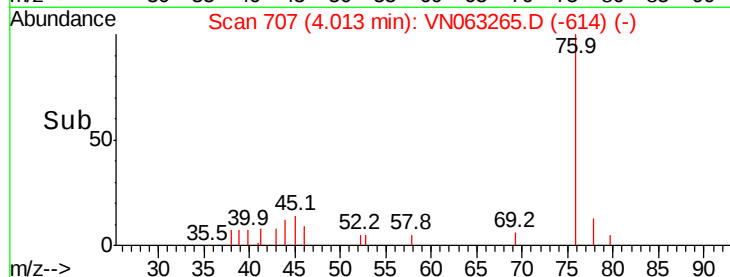
2000

1000

0

3.95 4.00 4.05 4.10

Time-->



#18

Methyl Acetate

Concen: 1.297 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN063265.D

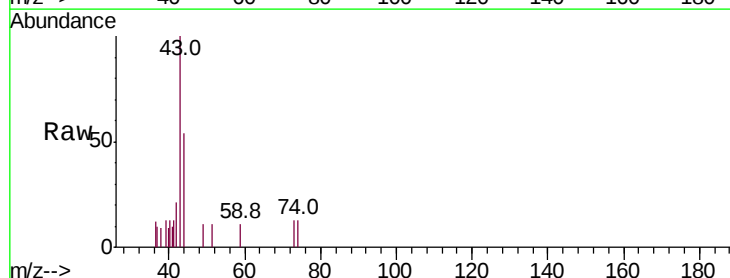
Acq: 5 Sep 2020 3:36

Tgt Ion: 43 Resp: 4047

Ion Ratio Lower Upper

43 100

74 7.1 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

2000

1500

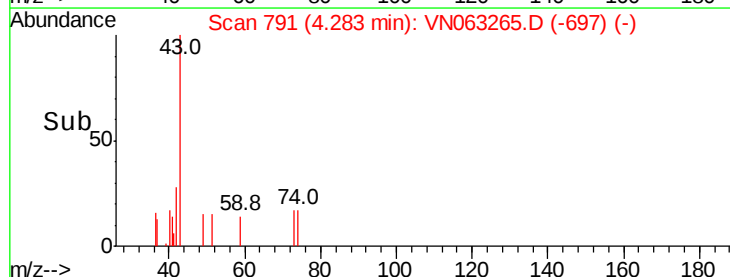
1000

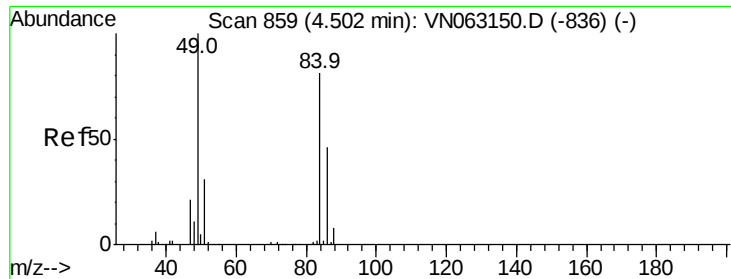
500

0

4.20 4.25 4.30 4.35

Time-->

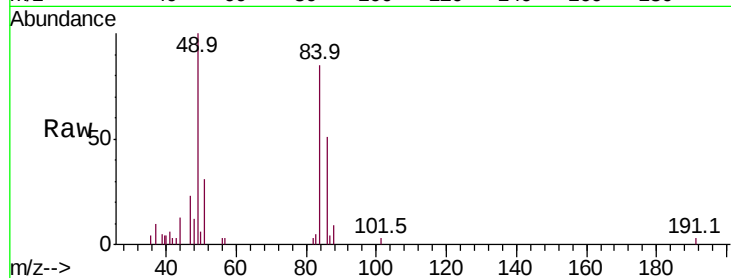




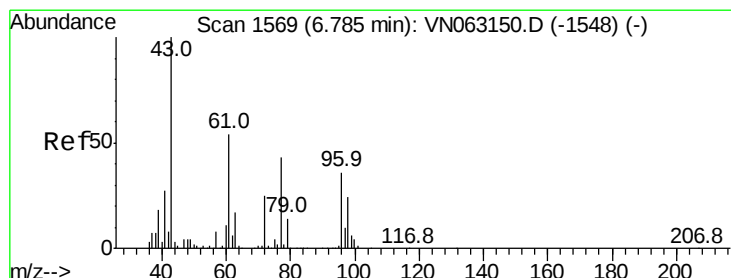
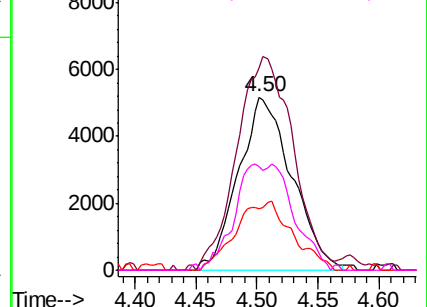
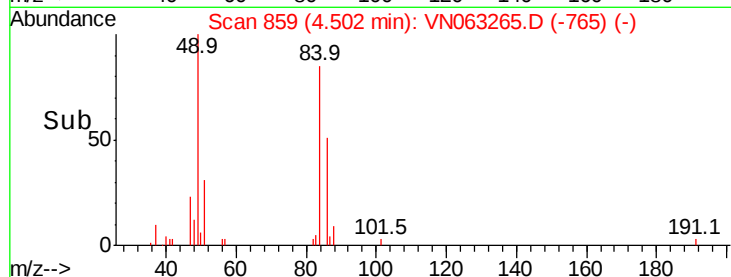
#20
Methvlene Chloride
Concen: 4.156 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063265.D
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Tot Ion:	84	Resp:	15769
Ion	Ratio	Lower	Upper
84	100		
49	114.0	98.4	147.6
51	35.7	30.4	45.6
86	59.9	45.7	68.5

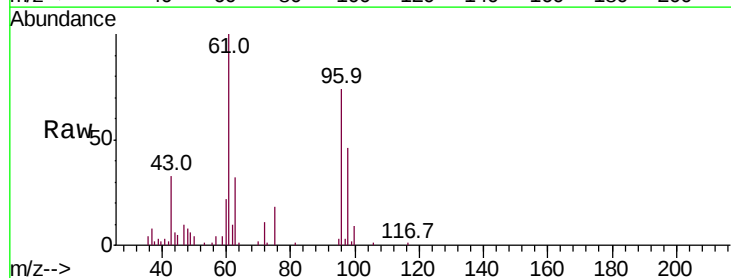


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

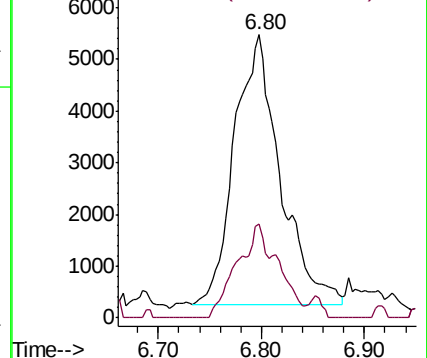
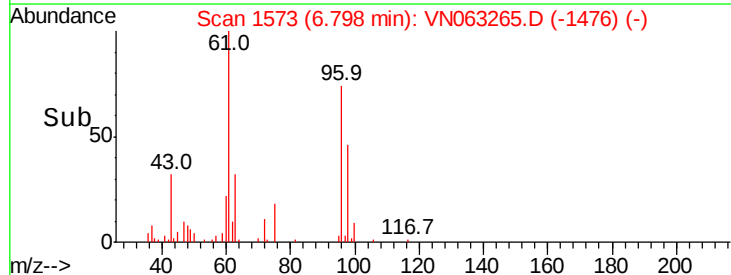


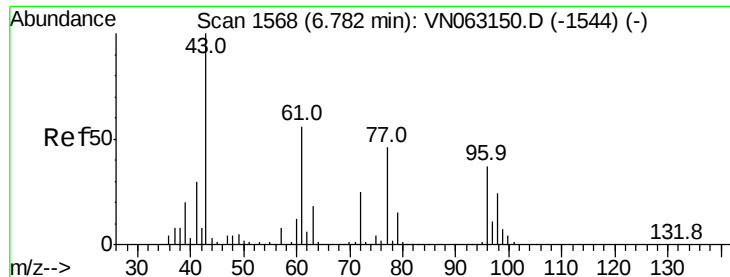
#25
2-Butanone
Concen: 8.578 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion:	43	Resp:	16169
Ion	Ratio	Lower	Upper
43	100		
72	34.8	20.2	30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 13.750 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

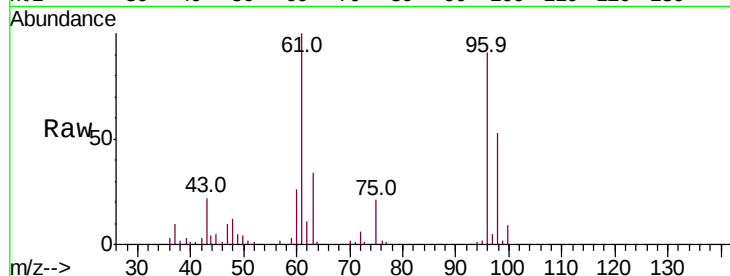
Tot Ion: 96 Resp: 53072

Ion Ratio Lower Upper

96 100

61 122.5 0.0 303.2

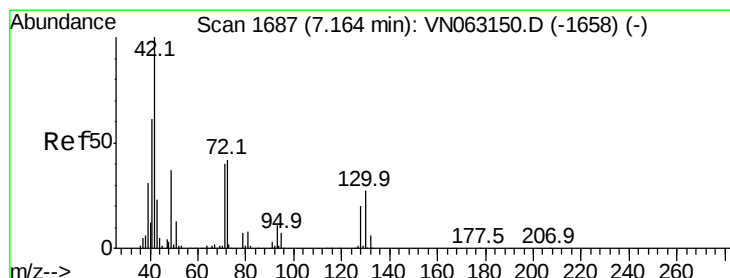
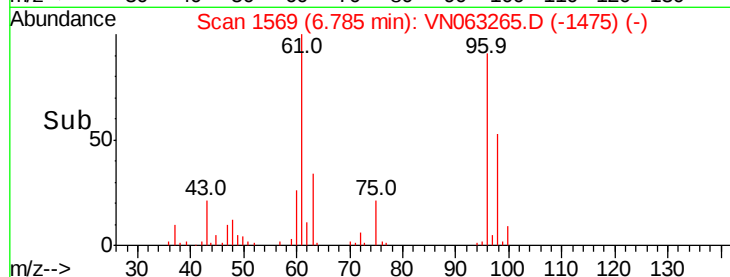
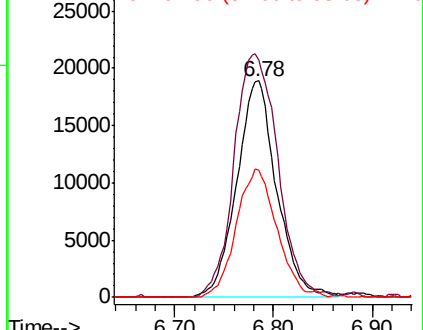
98 59.6 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#29

Tetrahydrofuran

Concen: 1.606 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

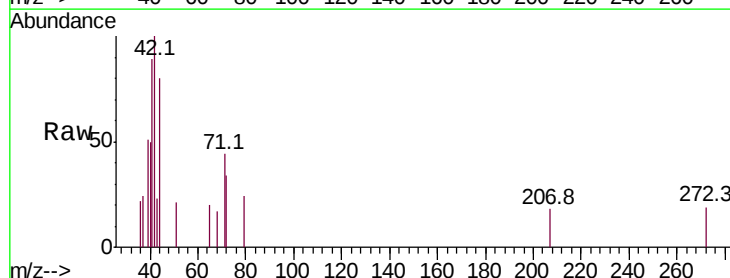
Tgt Ion: 42 Resp: 2093

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

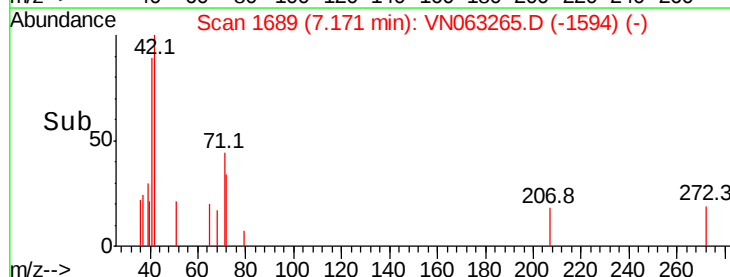
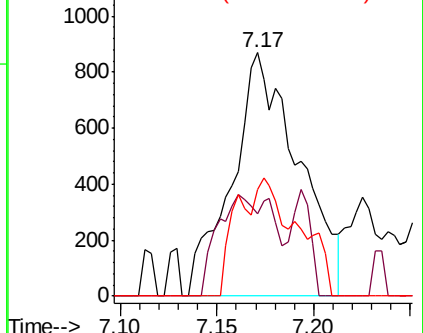
71 30.8 31.9 47.9#

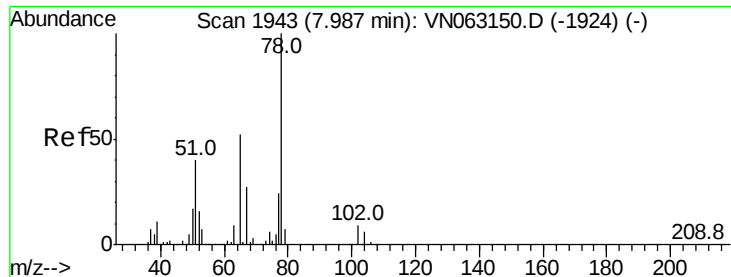


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.856 ug/l

RT: 7.99 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

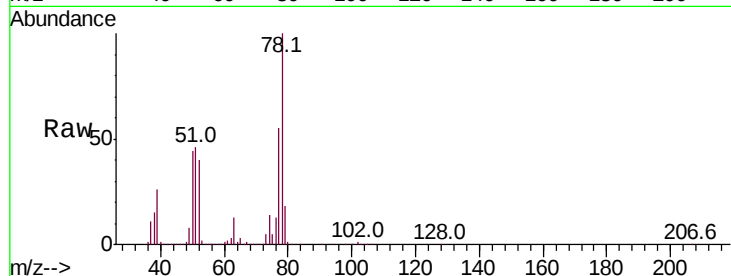
TP-1

Tot Ion: 65 Resp: 247765

Ion Ratio Lower Upper

65 100

67 50.5 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) (-)

7.99

120000

100000

80000

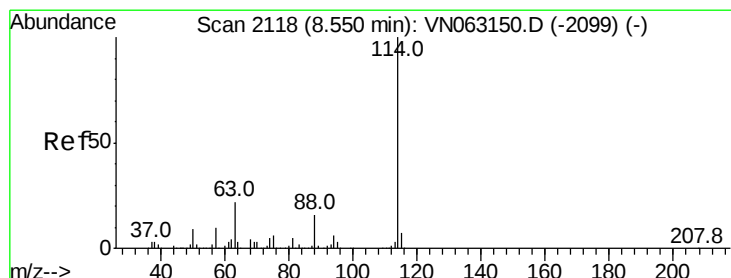
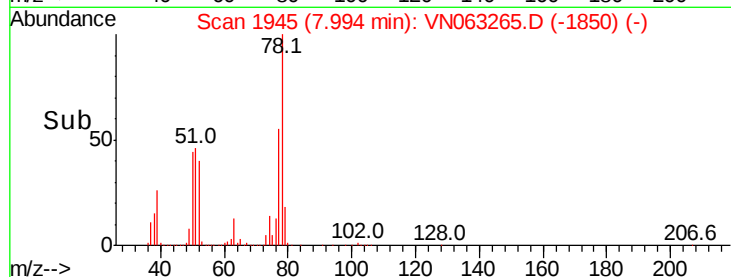
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

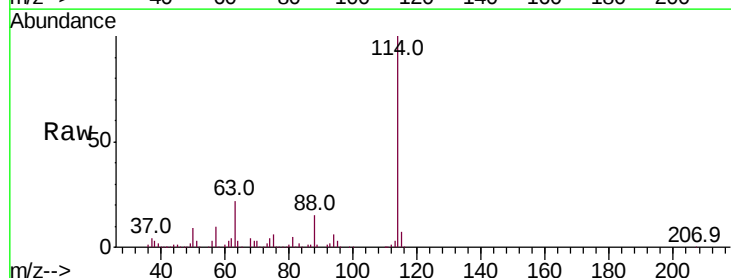
Tgt Ion: 114 Resp: 539878

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

88 15.2 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

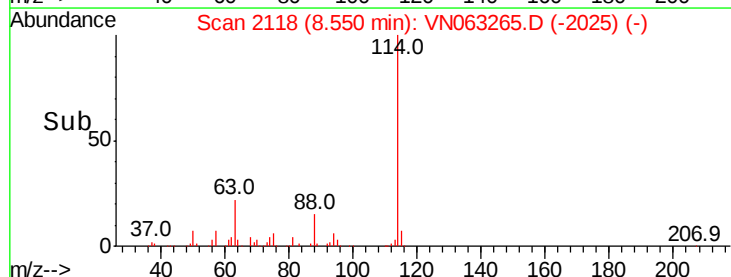
300000

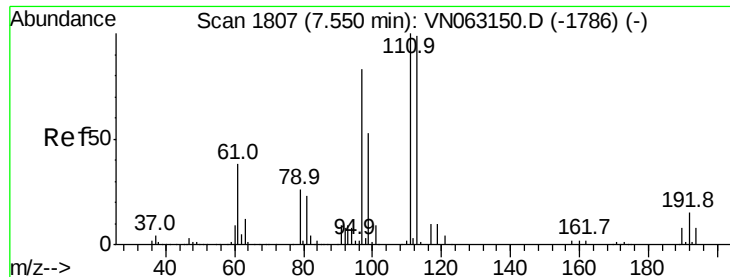
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.257 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampleId :
TP-1

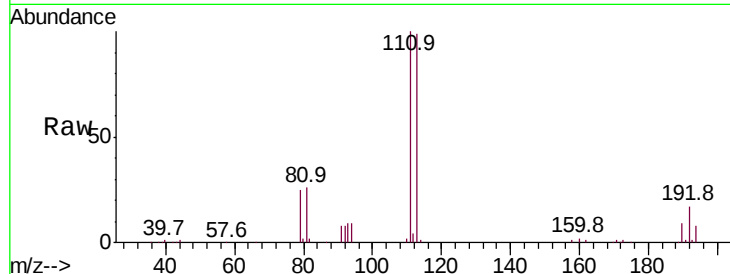
Tot Ion:113 Resp: 160216

Ion Ratio Lower Upper

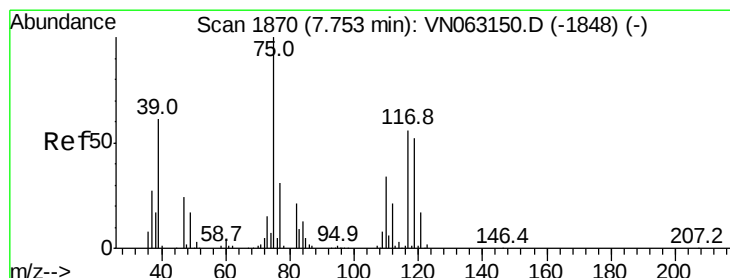
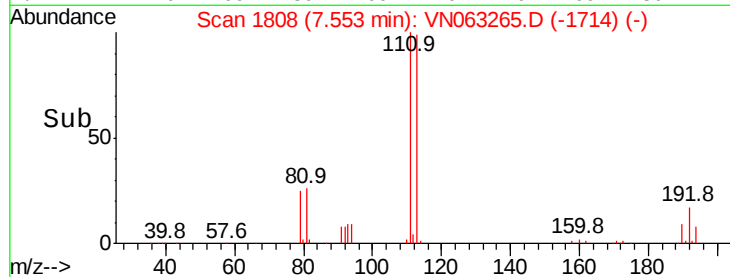
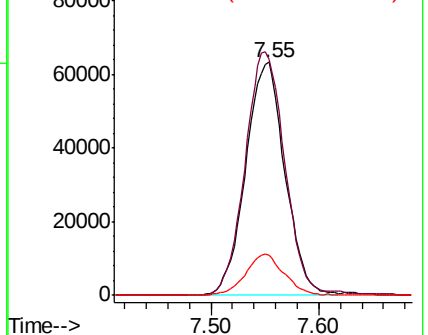
113 100

111 104.9 80.7 121.1

192 17.4 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: 4.722 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

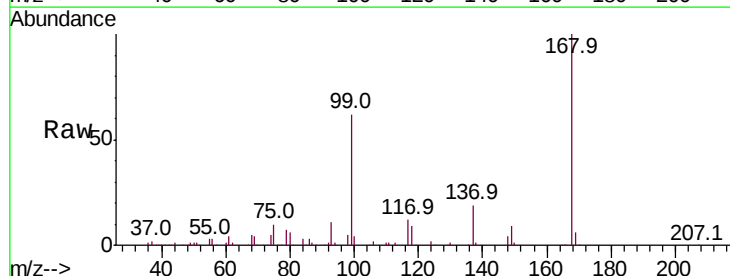
Tgt Ion: 75 Resp: 24509

Ion Ratio Lower Upper

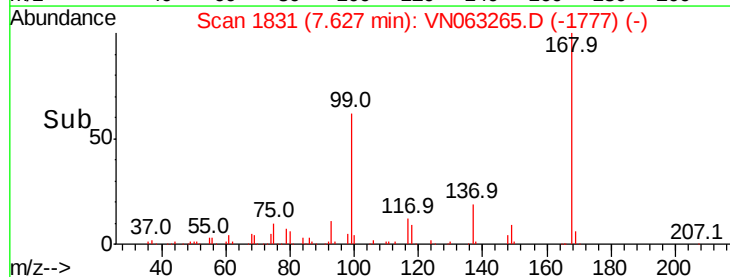
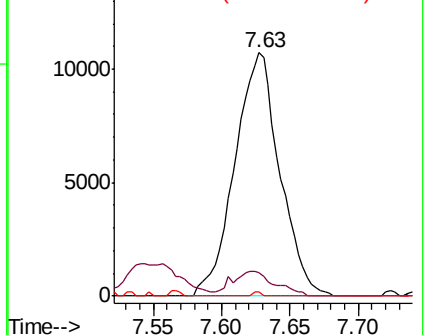
75 100

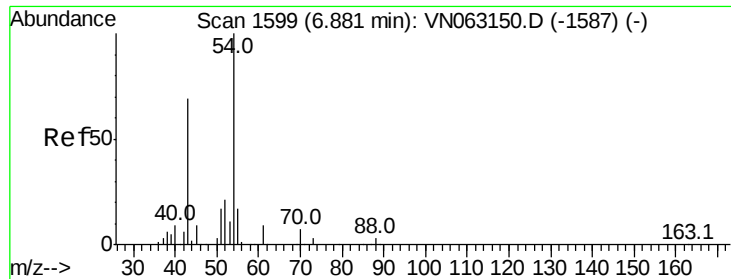
110 9.6 16.6 49.8#

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

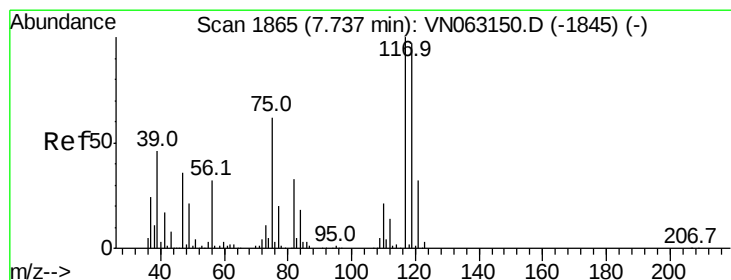
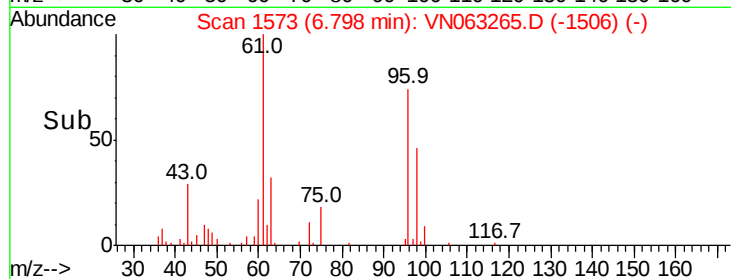
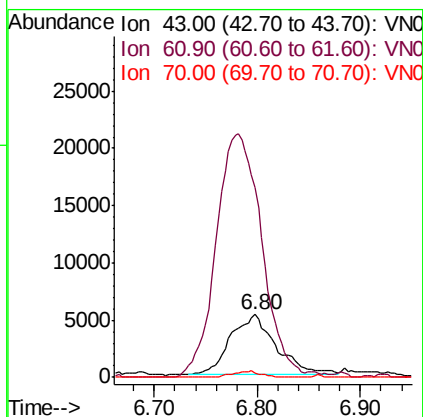
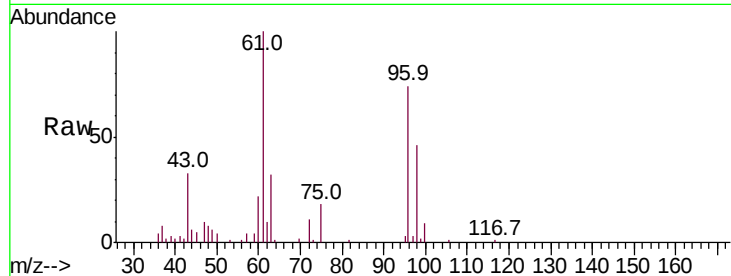




#37
Ethyl Acetate
Concen: 3.654 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. -0.08 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

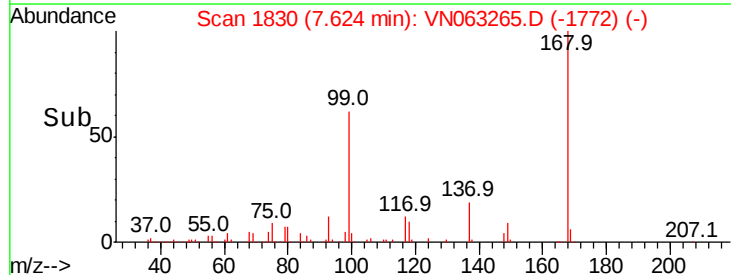
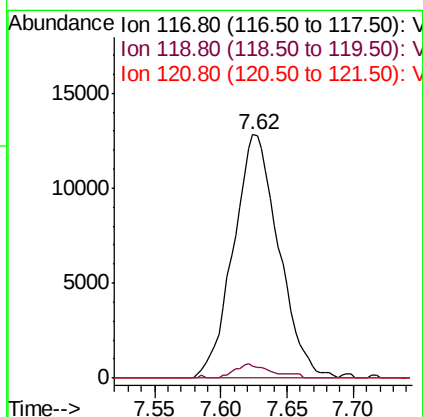
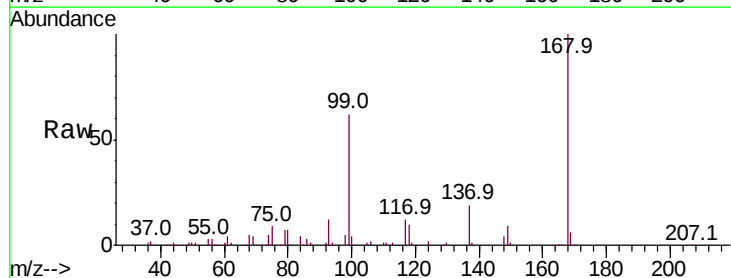
Instrument :
MSVOA_N
ClientSampled :
TP-1

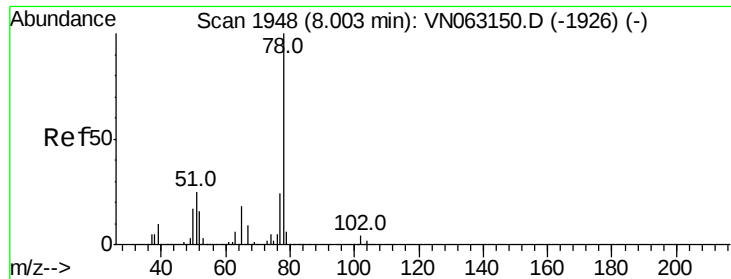
Tot Ion: 43 Resp: 16169
Ion Ratio Lower Upper
43 100
61 402.1 10.2 15.4#
70 6.3 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion: 117 Resp: 30385
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.6 38.4#





#40

Benzene

Concen: 908.354 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

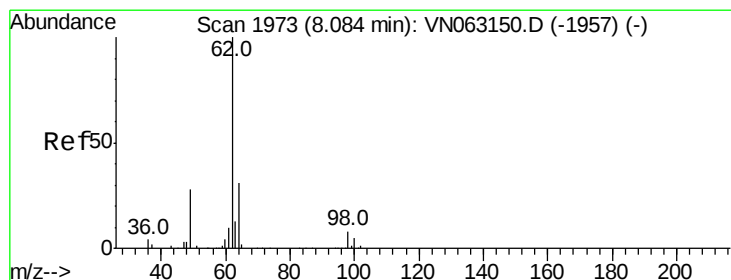
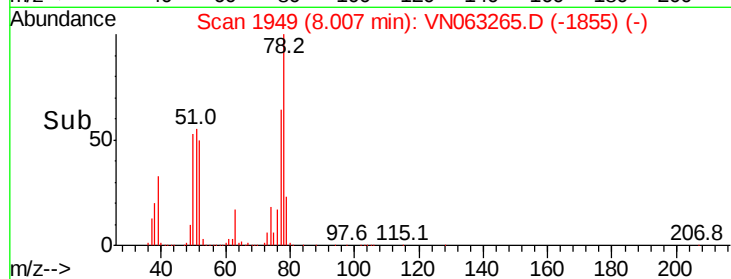
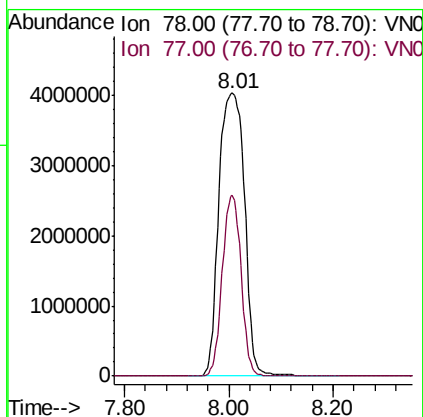
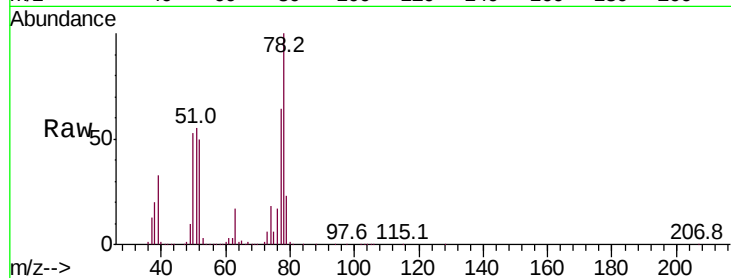
TP-1

Tot Ion: 78 Resp:13854013

Ion Ratio Lower Upper

78 100

77 63.8 19.3 28.9#



#42

1,2-Dichloroethane

Concen: 53.828 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.08 min

Lab File: VN063265.D

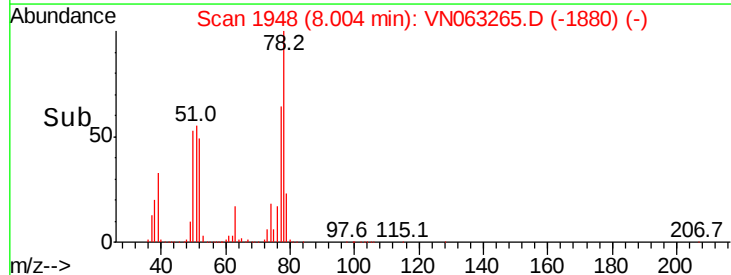
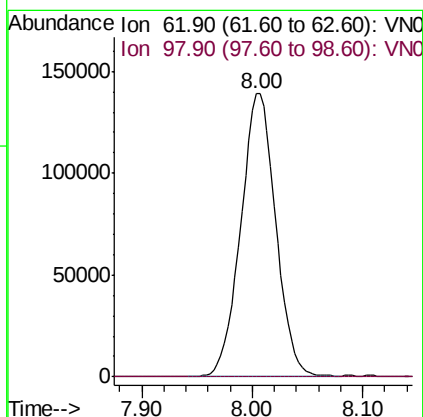
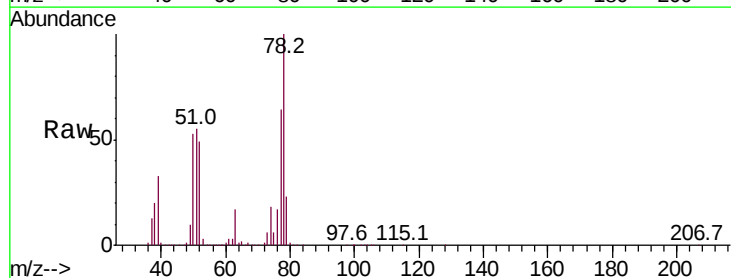
Acq: 5 Sep 2020 3:36

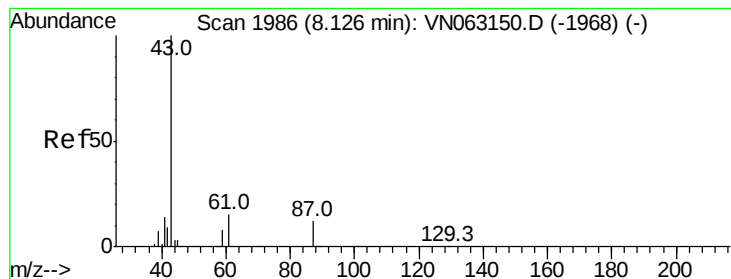
Tgt Ion: 62 Resp: 306671

Ion Ratio Lower Upper

62 100

98 0.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 10.602 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

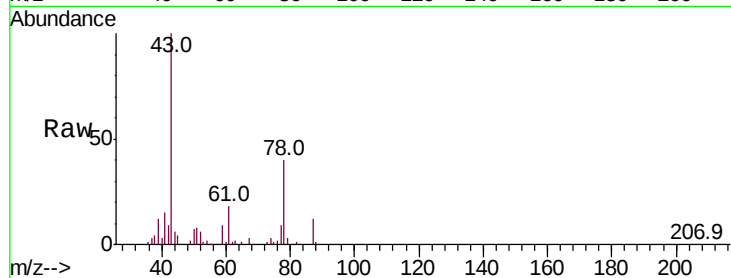
Tot Ion: 43 Resp: 89741

Ion Ratio Lower Upper

43 100

61 17.6 20.2 30.4#

87 13.4 9.8 14.6

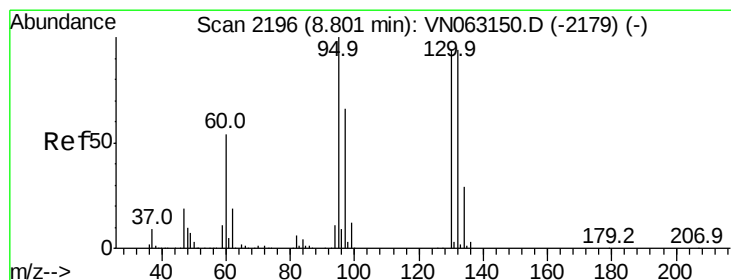
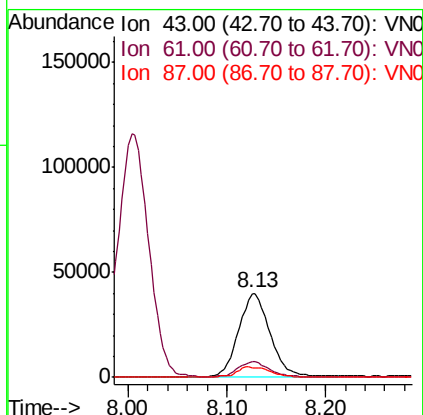
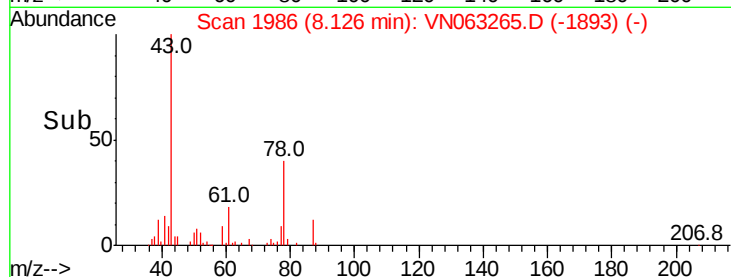


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN063150.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN063150.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 0.494 ug/l

RT: 8.81 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN063265.D

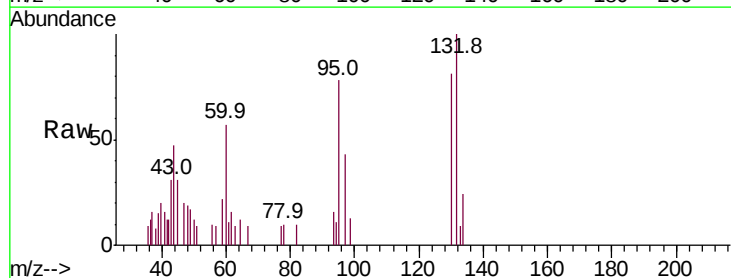
Acq: 5 Sep 2020 3:36

Tgt Ion: 130 Resp: 1826

Ion Ratio Lower Upper

130 100

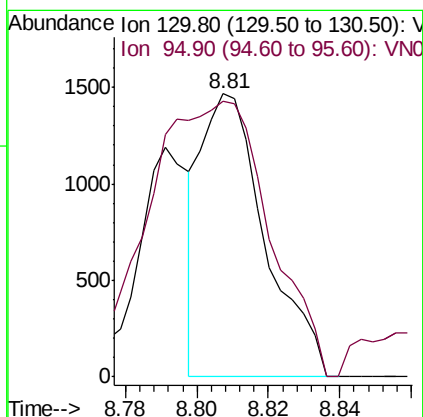
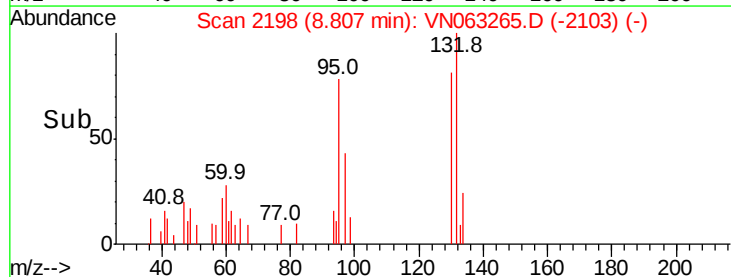
95 97.3 0.0 212.0

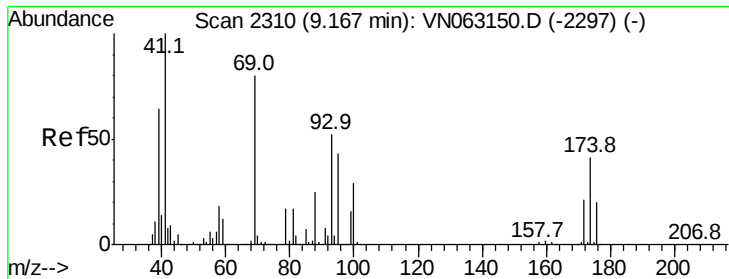


Abundance Ion 129.80 (129.50 to 130.50): VN063150.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063150.D (-2179) (-)

Time-->

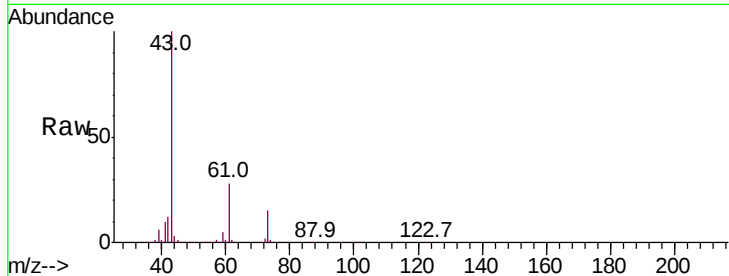




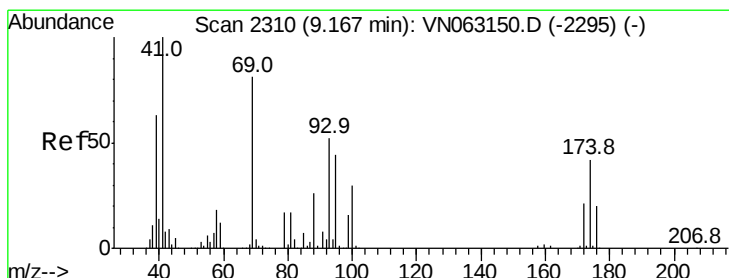
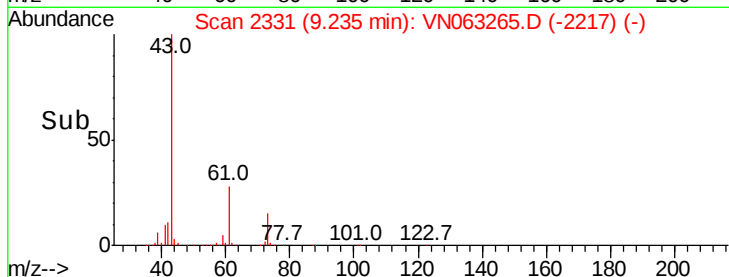
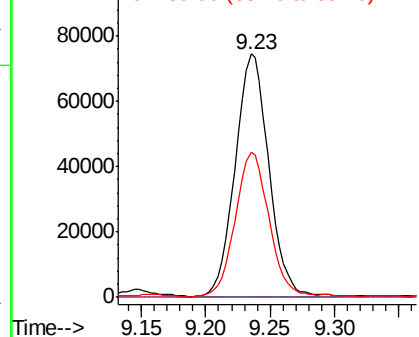
#48
Methvl methacrylate
Concen: 35.192 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion: 41 Resp: 134284
Ion Ratio Lower Upper
41 100
69 0.1 65.9 98.9#
39 59.5 52.0 78.0

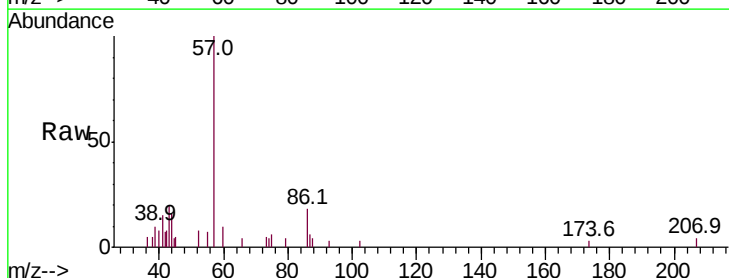


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

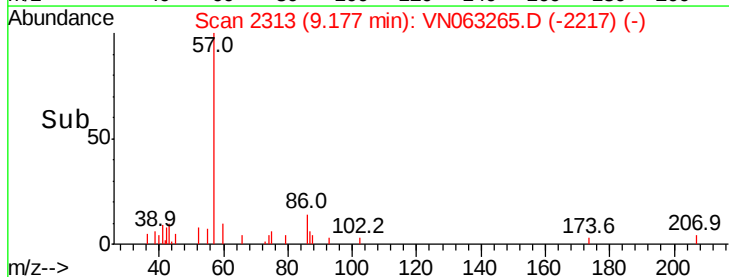
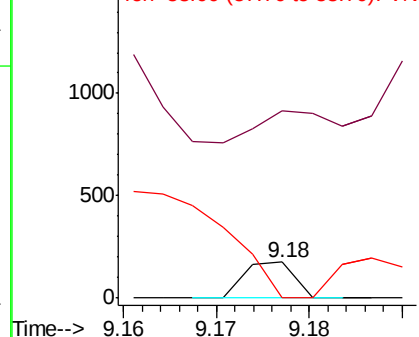


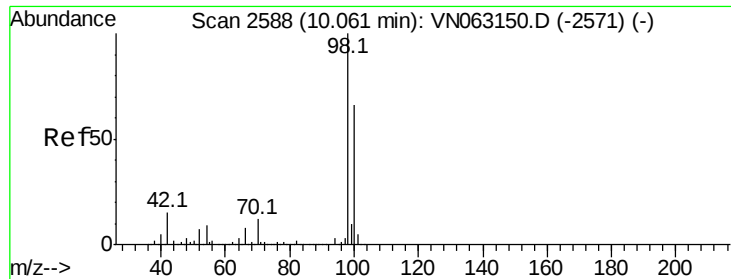
#49
1,4-Dioxane
Concen: 1.101 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 2224.6 53.2 79.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.985 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

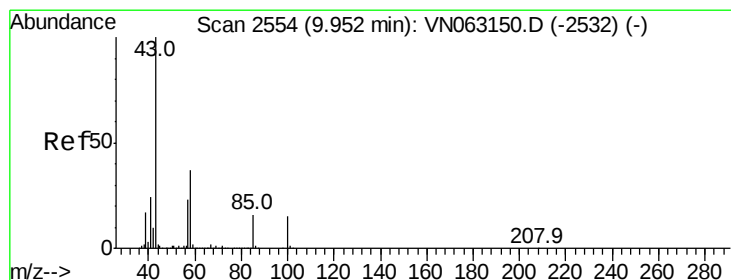
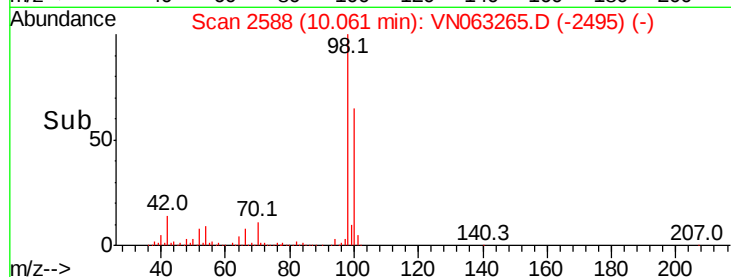
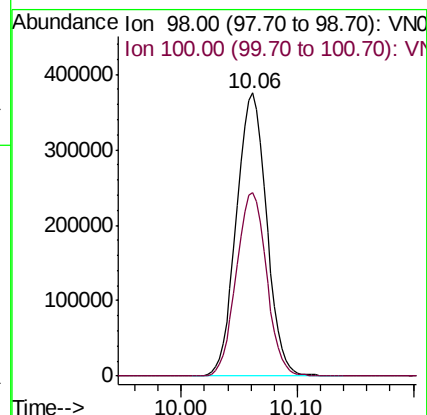
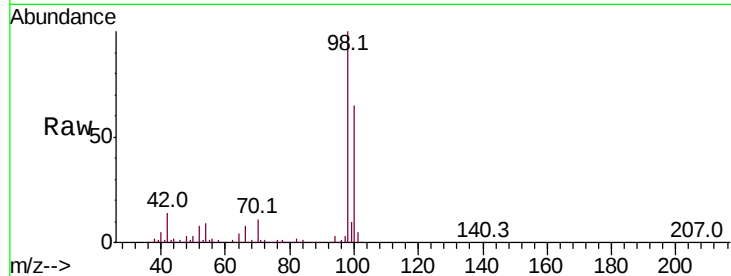
TP-1

Tot Ion: 98 Resp: 679708

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.778 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063265.D

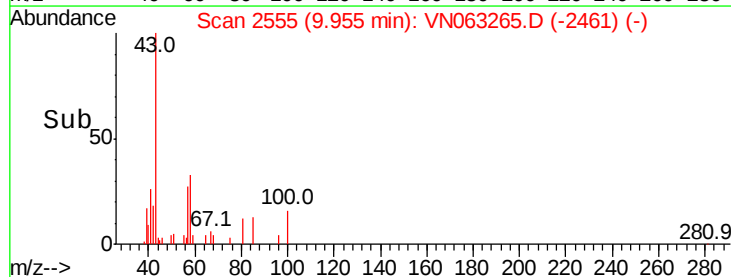
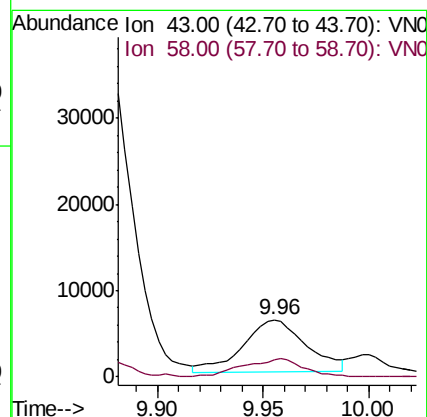
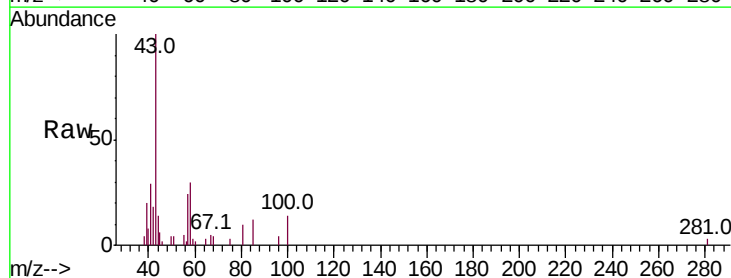
Acq: 5 Sep 2020 3:36

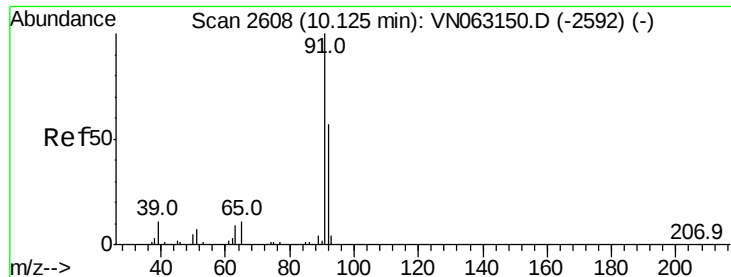
Tgt Ion: 43 Resp: 12779

Ion Ratio Lower Upper

43 100

58 33.0 29.2 43.8





#52

Toluene

Concen: 9.487 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

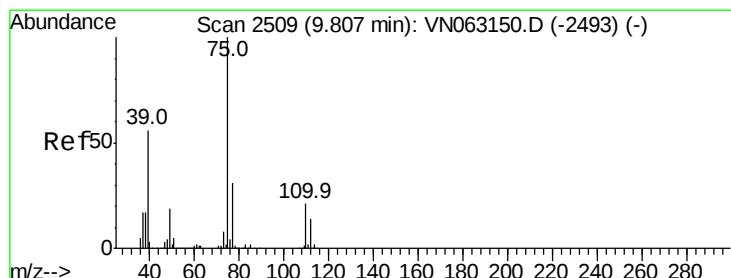
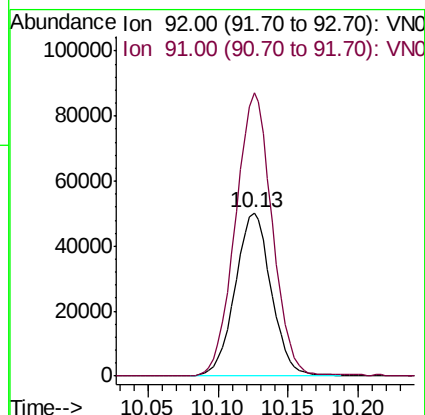
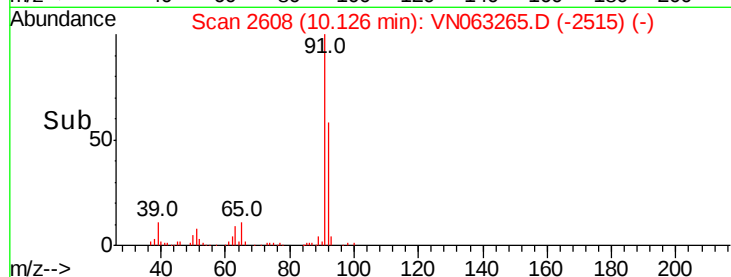
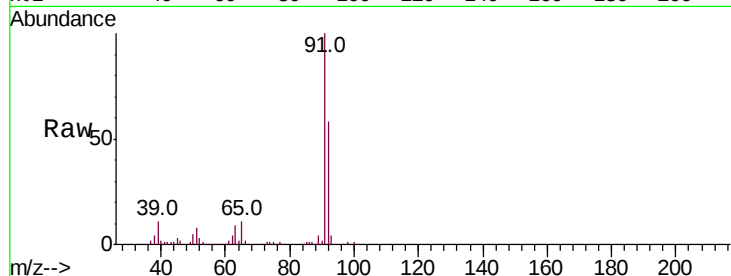
TP-1

Tot Ion: 92 Resp: 90132

Ion Ratio Lower Upper

92 100

91 176.5 141.2 211.8



#54

cis-1,3-Dichloropropene

Concen: 4.833 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

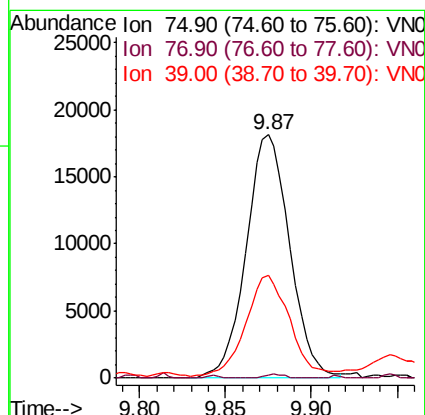
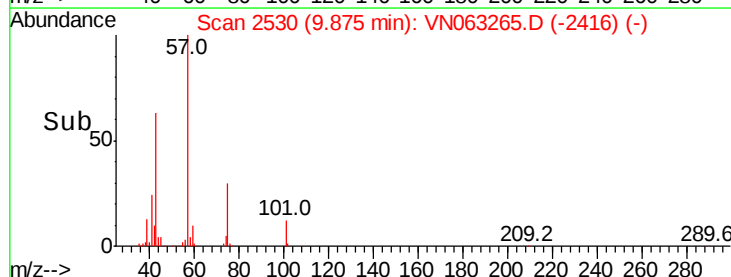
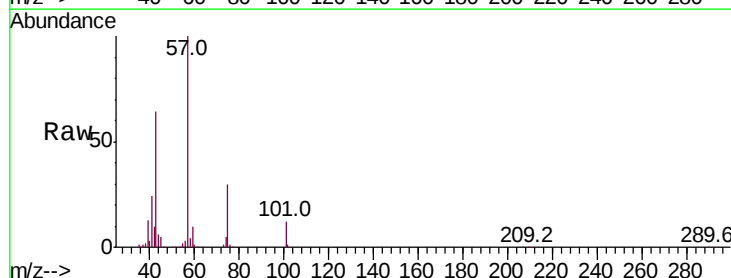
Tgt Ion: 75 Resp: 31833

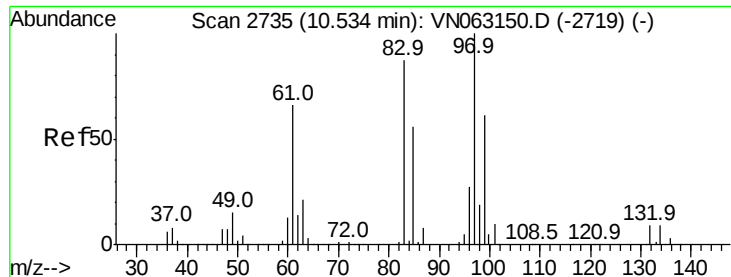
Ion Ratio Lower Upper

75 100

77 1.2 24.8 37.2#

39 41.4 45.0 67.6#





#55

1,1,2-Trichloroethane

Concen: 3.786 ug/l

RT: 10.39 min Scan# 2689

Delta R.T. -0.15 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

Tot Ion: 97 Resp: 13775

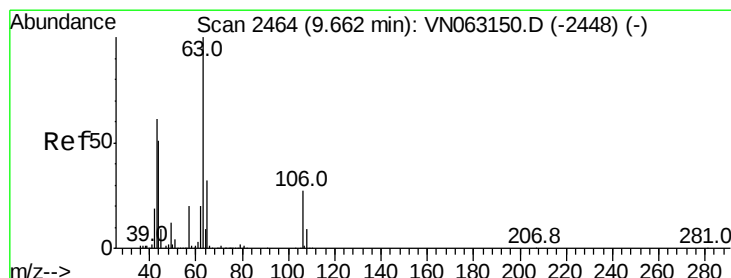
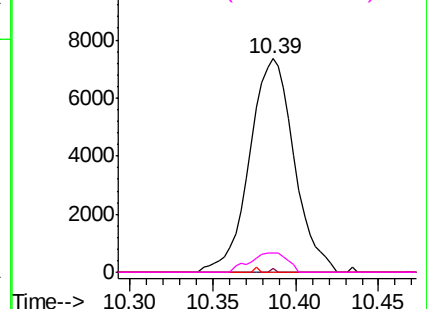
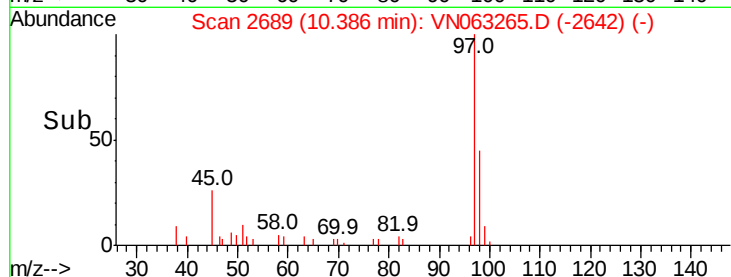
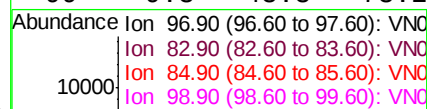
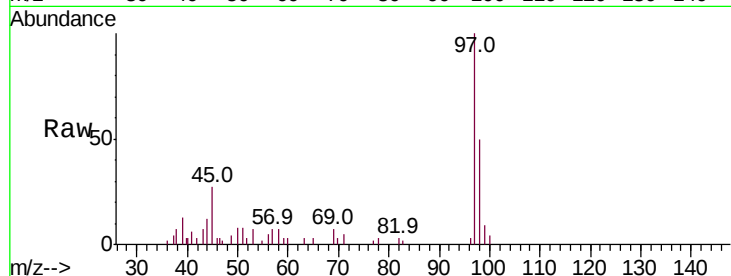
Ion Ratio Lower Upper

97 100

83 2.1 69.8 104.8#

85 0.0 44.9 67.3#

99 9.3 48.8 73.2#



#58

2-Chloroethyl Vinyl ether

Concen: 0.215 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063265.D

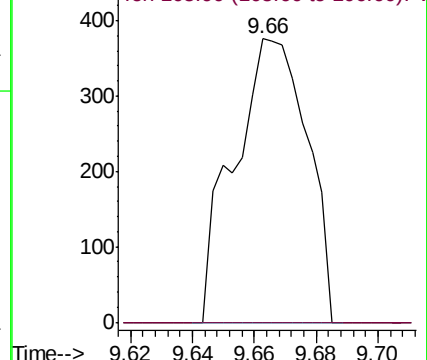
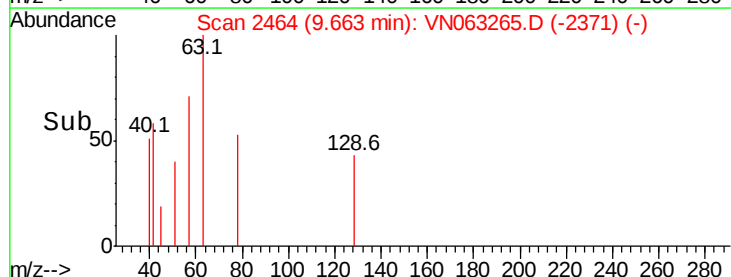
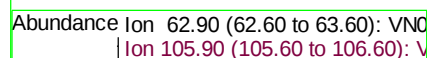
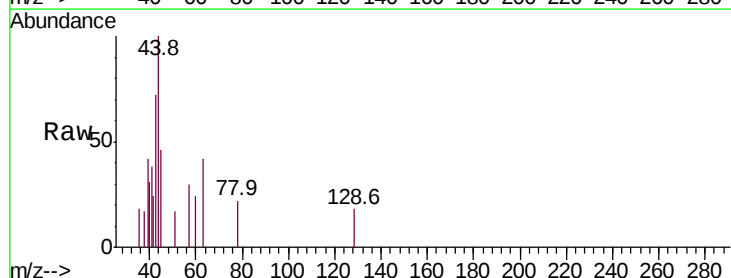
Acq: 5 Sep 2020 3:36

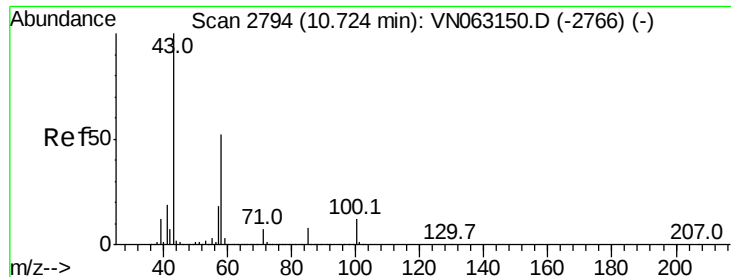
Tgt Ion: 63 Resp: 617

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#





#59

2-Hexanone

Concen: 21.850 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.01 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

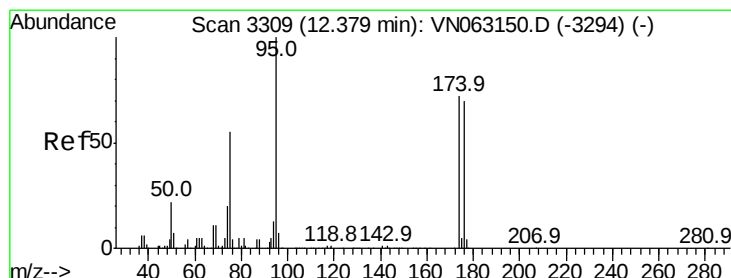
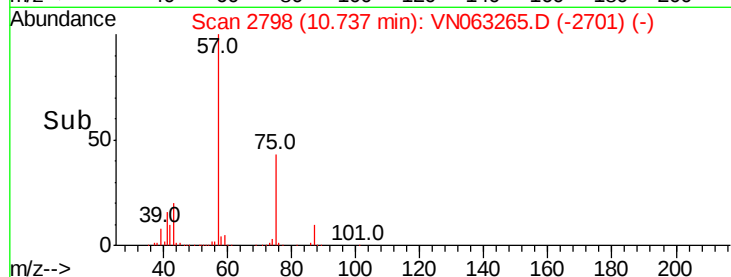
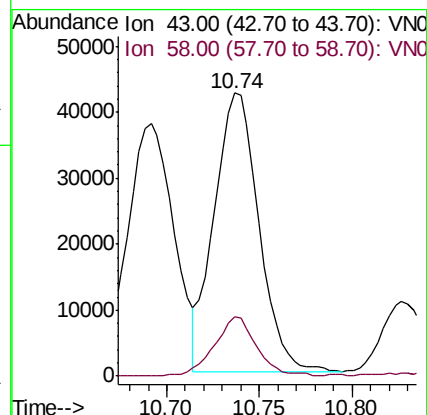
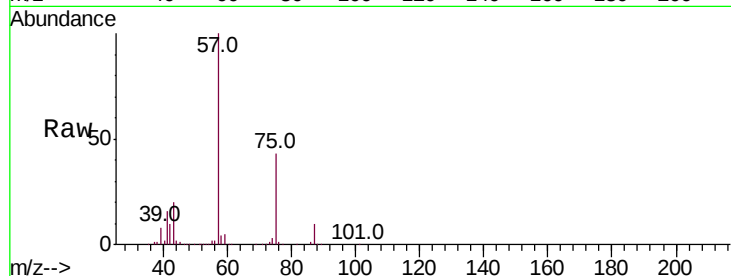
TP-1

Tot Ion: 43 Resp: 70631

Ion Ratio Lower Upper

43 100

58 20.2 25.9 77.8#



#62

4-Bromofluorobenzene

Concen: 56.676 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

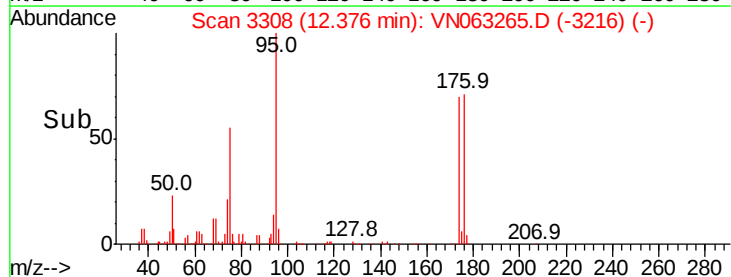
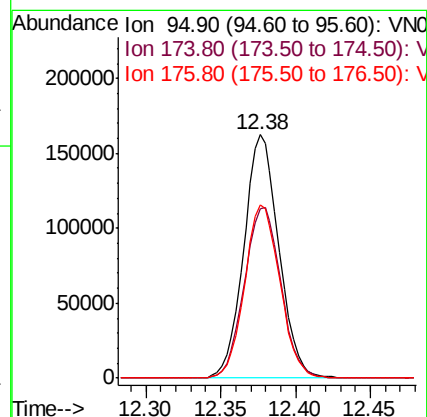
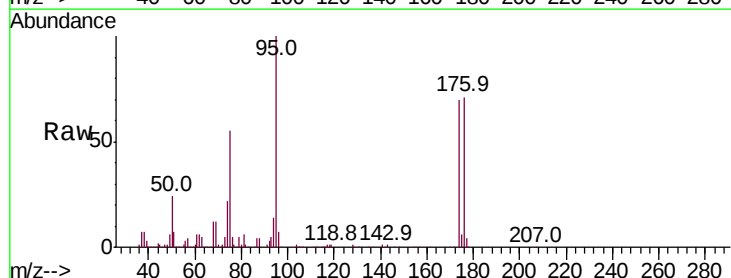
Tgt Ion: 95 Resp: 264303

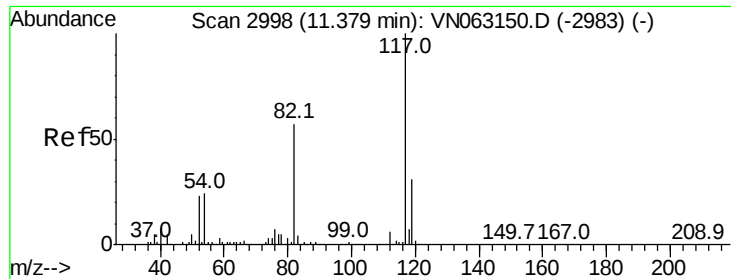
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.8

176 71.8 0.0 138.4

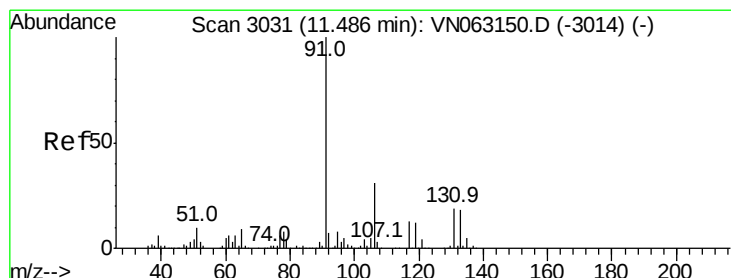
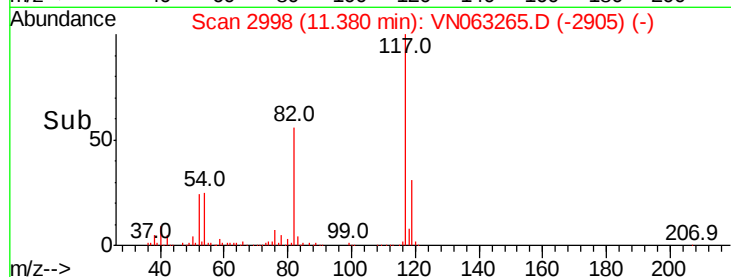
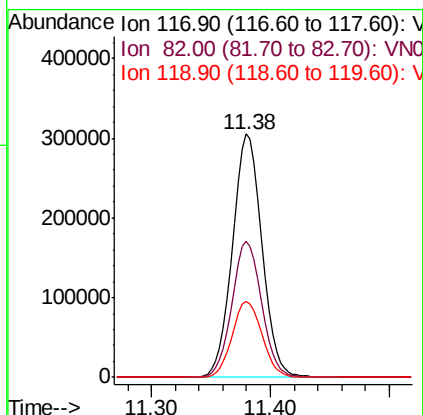
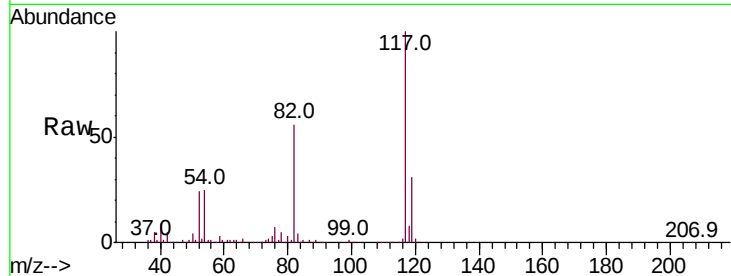




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

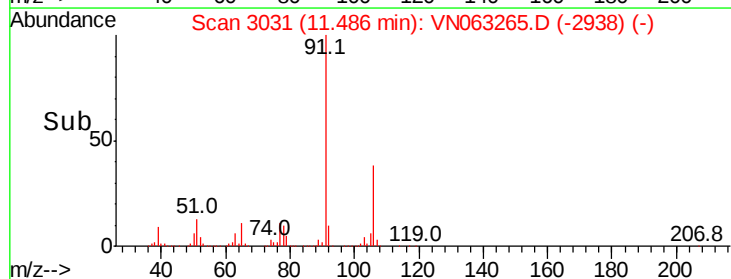
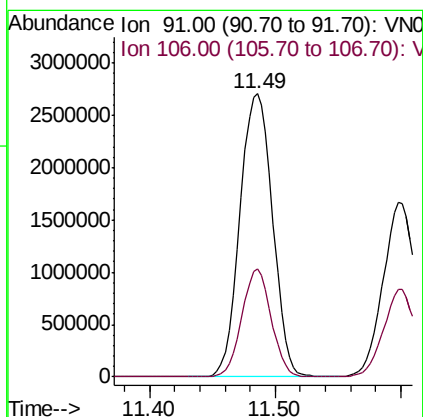
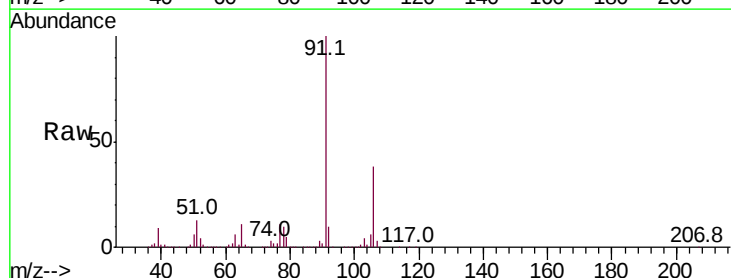
Instrument :
MSVOA_N
ClientSampled :
TP-1

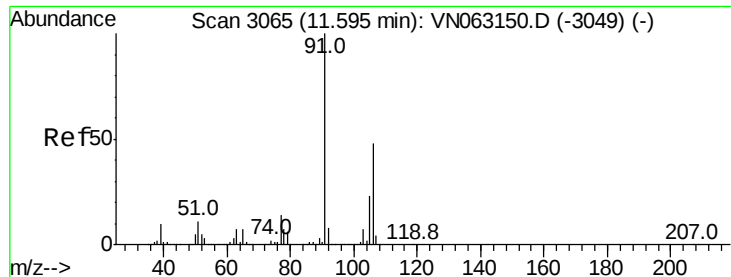
Tot Ion:117 Resp: 525291
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 31.2 24.6 37.0



#67
Ethyl Benzene
Concen: 253.362 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion: 91 Resp: 4890135
Ion Ratio Lower Upper
91 100
106 38.3 24.4 36.6#





#68

m/p-Xylenes

Concen: 209.112 ug/l

RT: 11.60 min Scan# 3066

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

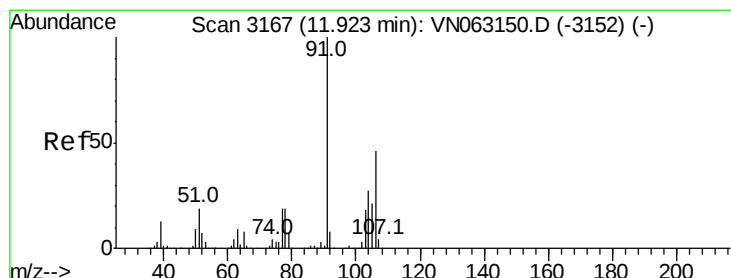
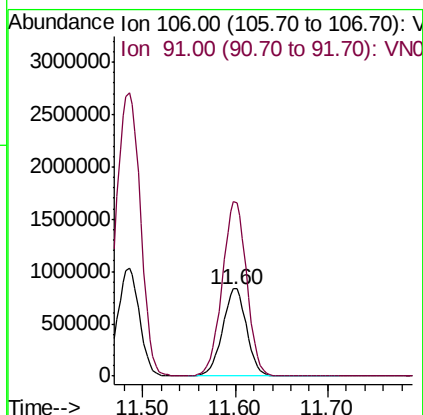
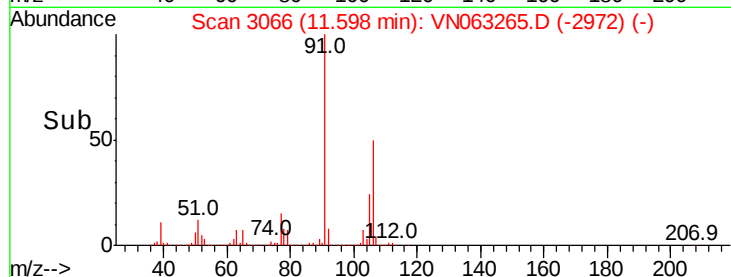
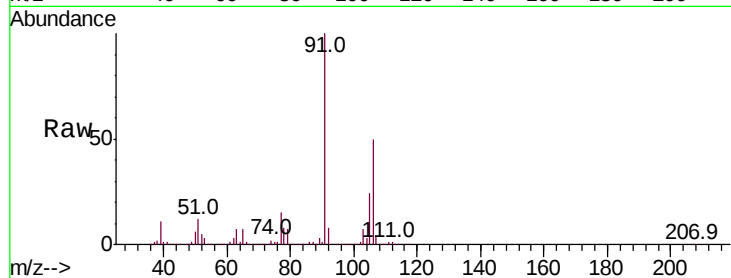
TP-1

Tot Ion:106 Resp: 1494833

Ion Ratio Lower Upper

106 100

91 203.6 166.7 250.1



#69

o-Xylene

Concen: 77.472 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063265.D

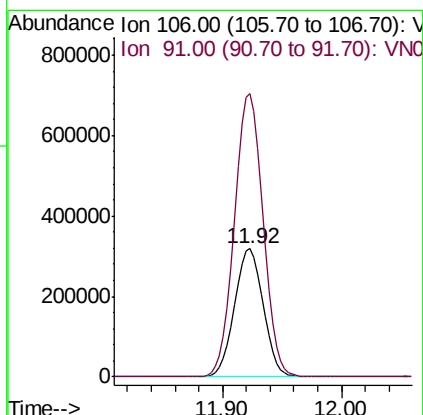
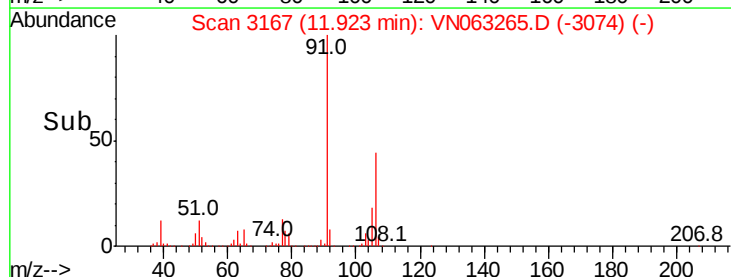
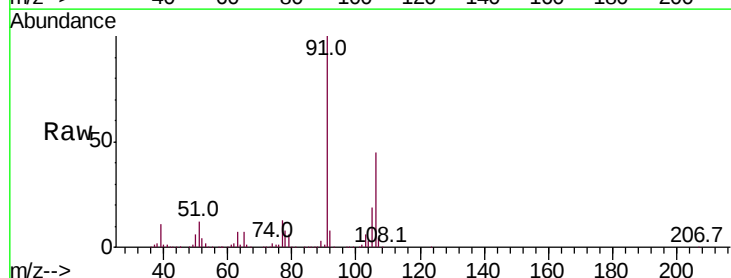
Acq: 5 Sep 2020 3:36

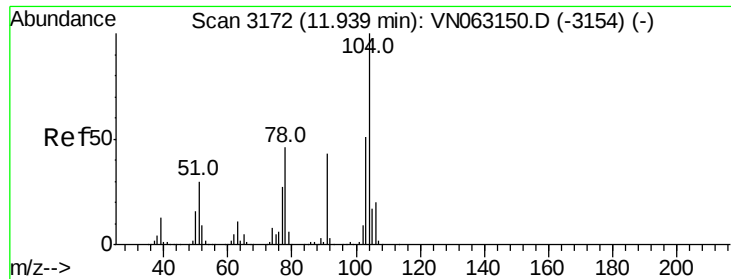
Tgt Ion:106 Resp: 535000

Ion Ratio Lower Upper

106 100

91 219.7 108.6 325.6

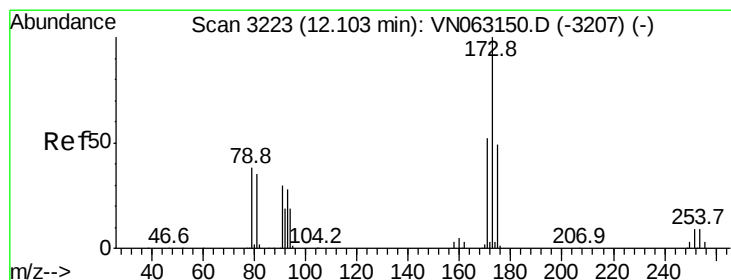
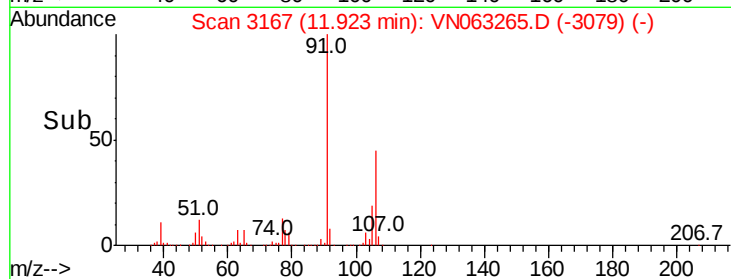
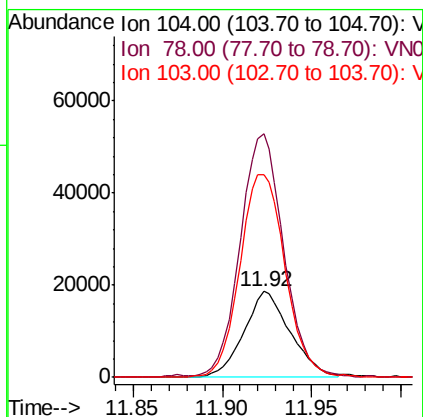
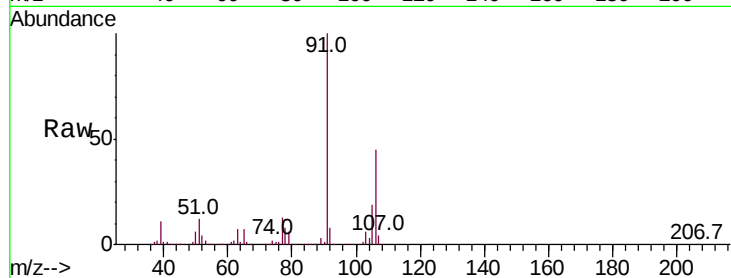




#70
Stvrene
Concen: 2.867 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

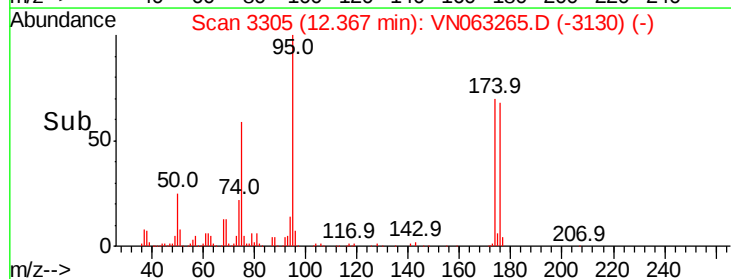
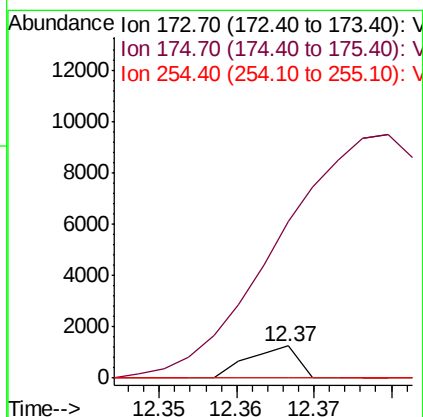
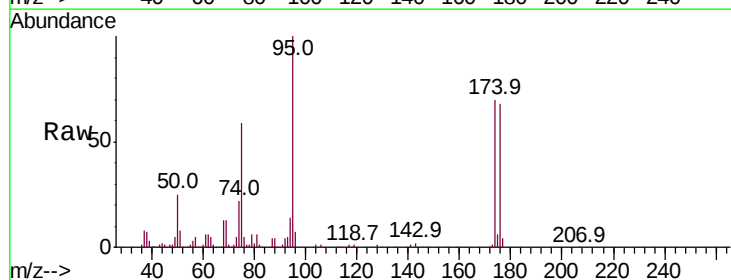
Instrument :
MSVOA_N
ClientSampleId :
TP-1

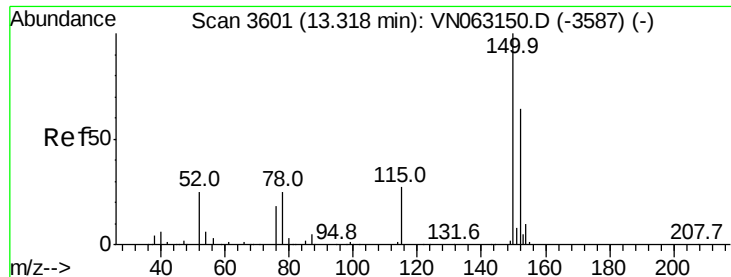
Tot Ion:104 Resp: 34025
Ion Ratio Lower Upper
104 100
78 265.2 41.0 61.6#
103 231.2 43.8 65.8#



#71
Bromoform
Concen: 0.210 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.26 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion:173 Resp: 561
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

TP-1

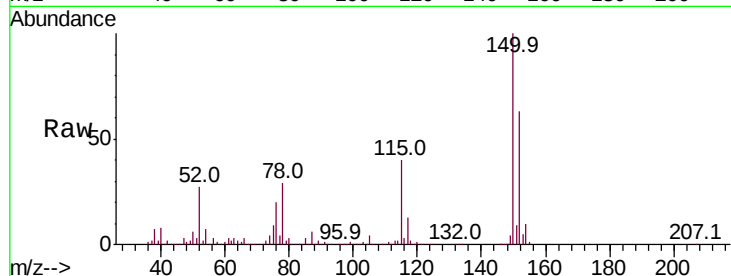
Tot Ion:152 Resp: 265705

Ion Ratio Lower Upper

152 100

115 79.8 32.0 96.2

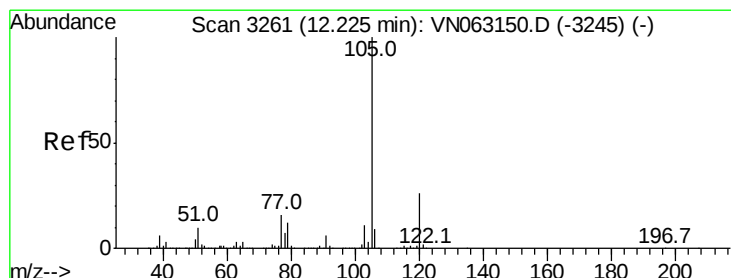
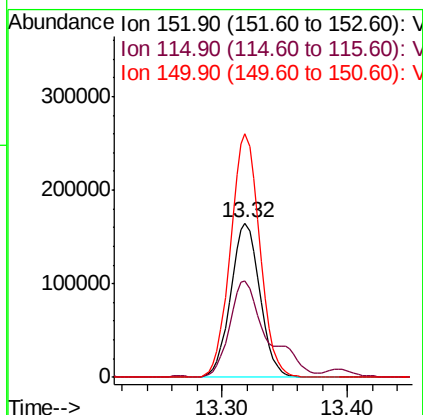
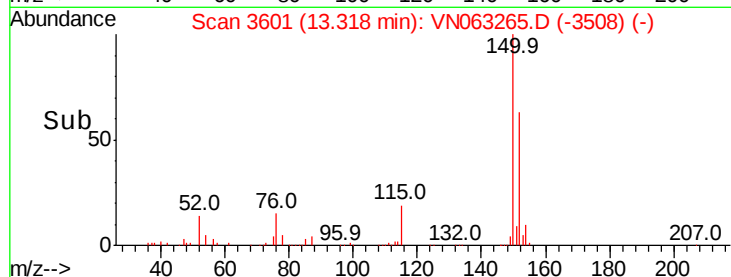
150 158.3 0.0 353.0



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



#73

Isopropylbenzene

Concen: 6.159 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063265.D

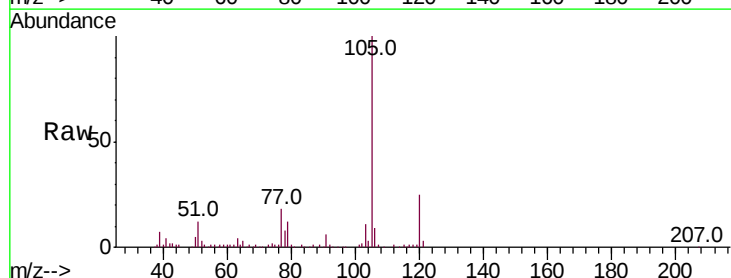
Acq: 5 Sep 2020 3:36

Tgt Ion:105 Resp: 125510

Ion Ratio Lower Upper

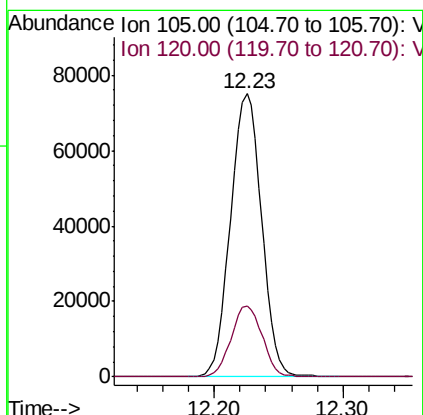
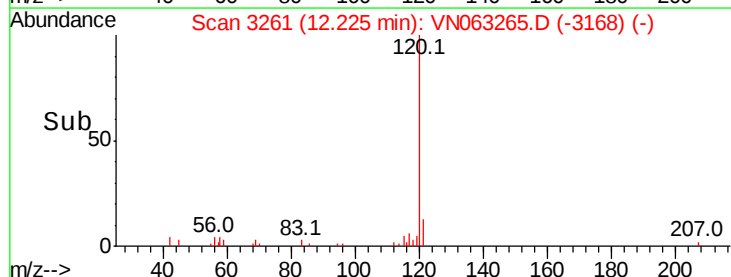
105 100

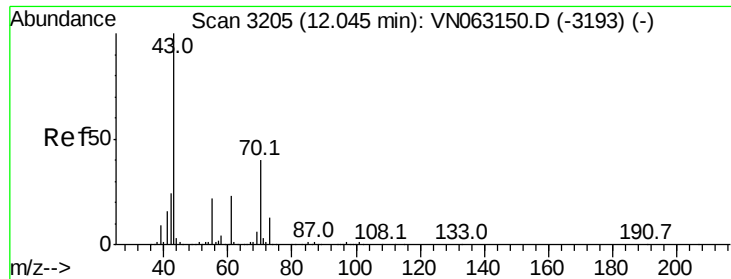
120 25.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.377 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.04 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tot Ion: 43 Resp: 3183

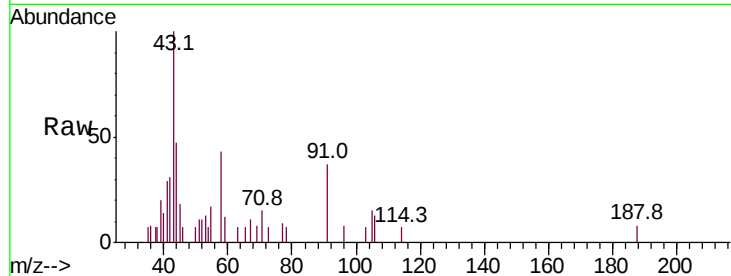
Ion Ratio Lower Upper

43 100

70 0.0 32.1 48.1#

55 3.6 17.4 26.0#

61 0.0 18.6 27.8#

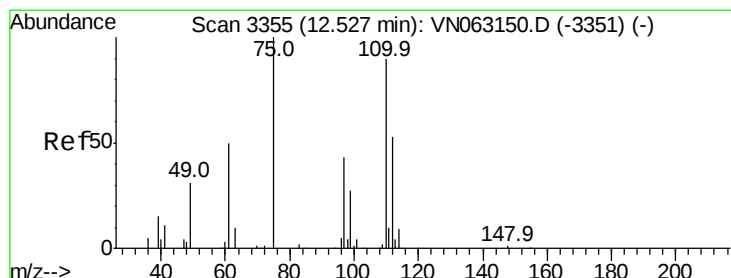
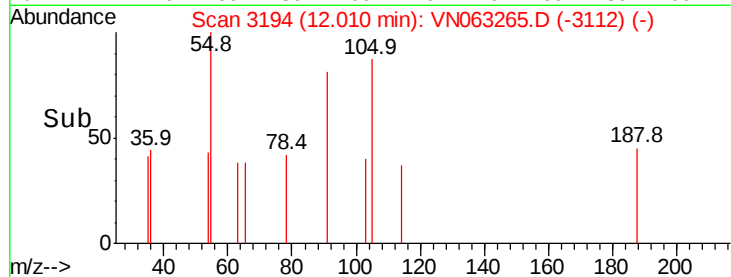
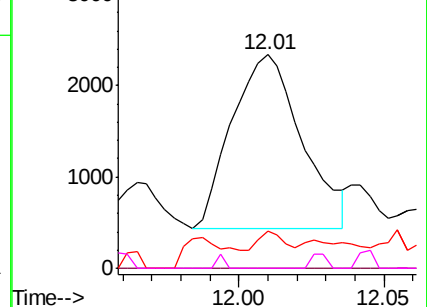


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 28.934 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063265.D

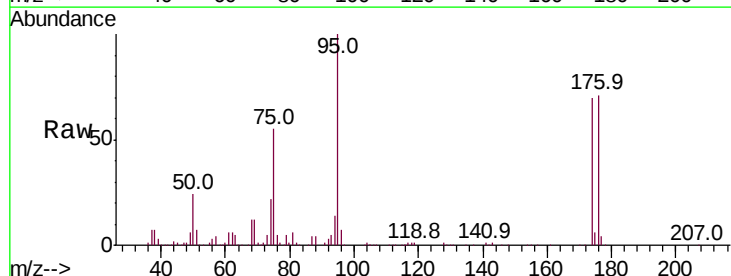
Acq: 5 Sep 2020 3:36

Tgt Ion: 75 Resp: 151051

Ion Ratio Lower Upper

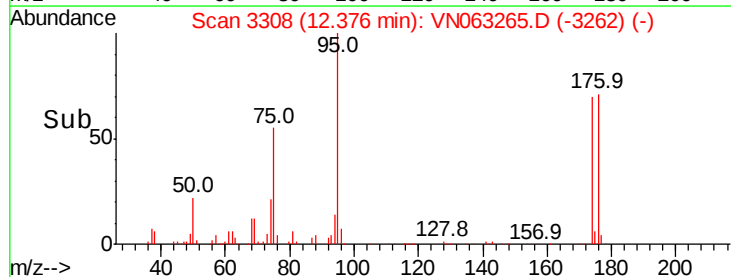
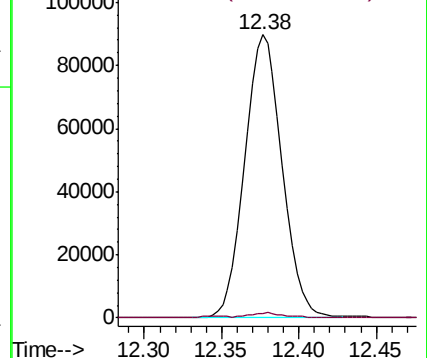
75 100

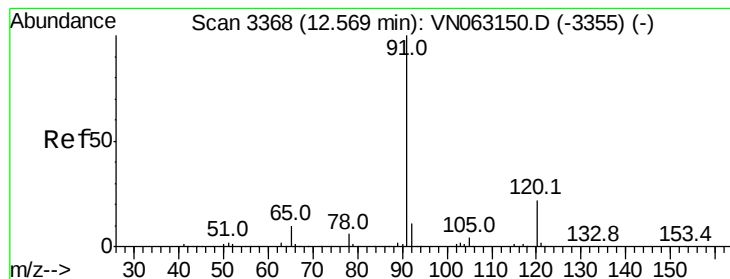
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 7.142 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

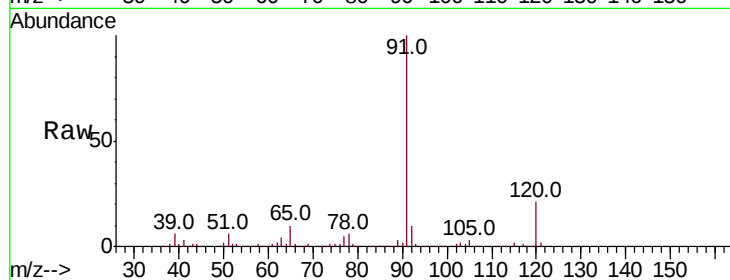
TP-1

Tot Ion: 91 Resp: 168426

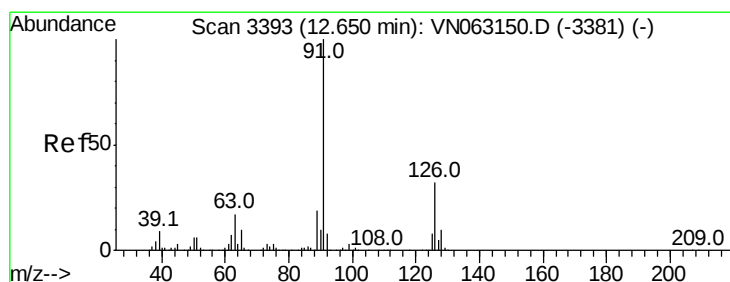
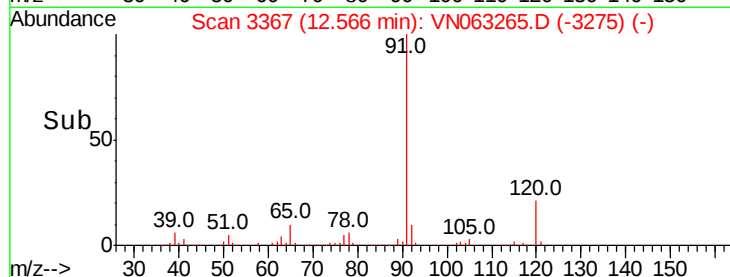
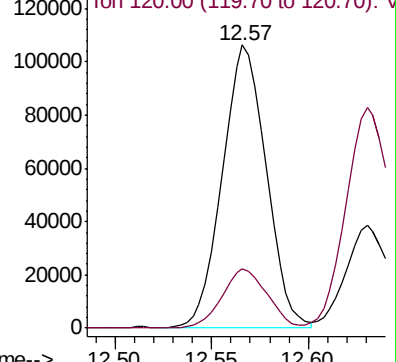
Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3355) (-)



#79

2-Chlorotoluene

Concen: 3.973 ug/l

RT: 12.63 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN063265.D

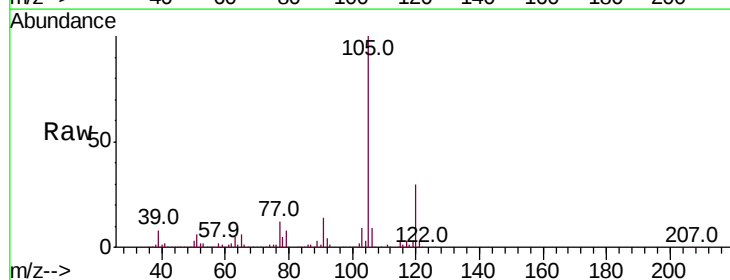
Acq: 5 Sep 2020 3:36

Tgt Ion: 91 Resp: 56122

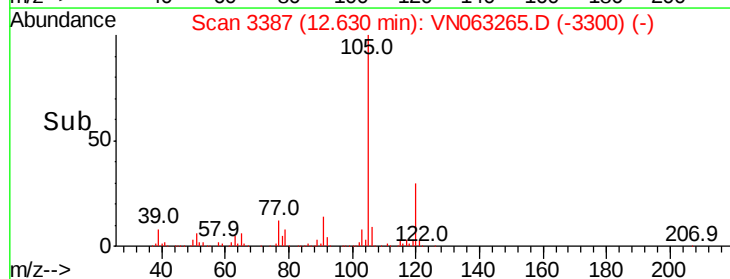
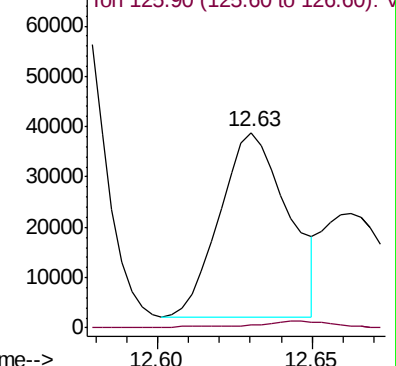
Ion Ratio Lower Upper

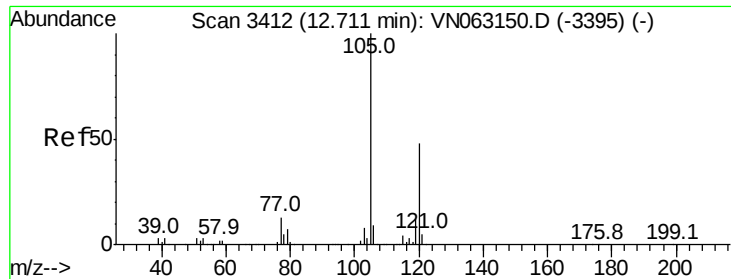
91 100

126 3.9 16.1 48.3#



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

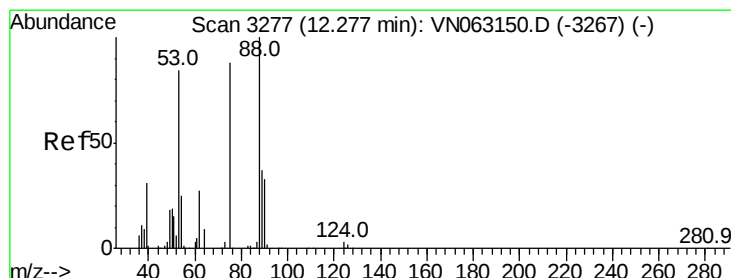
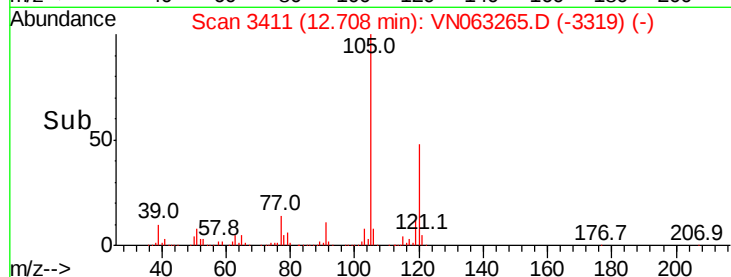
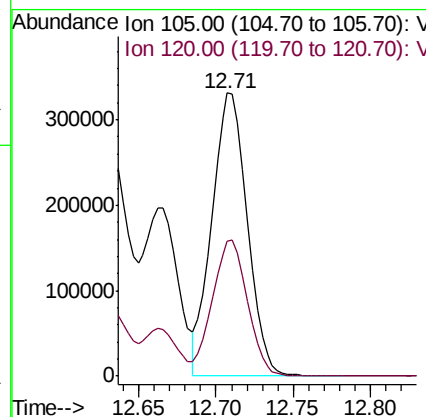
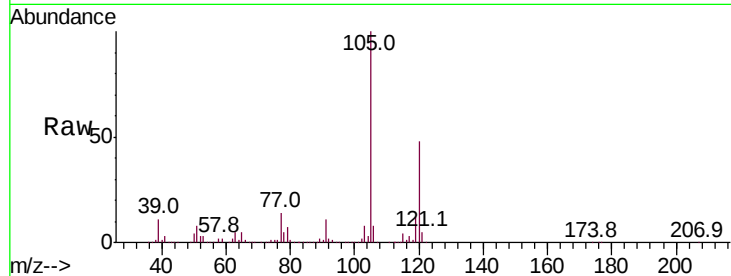




#80
 1,3,5-Trimethylbenzene
 Concen: 31.013 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

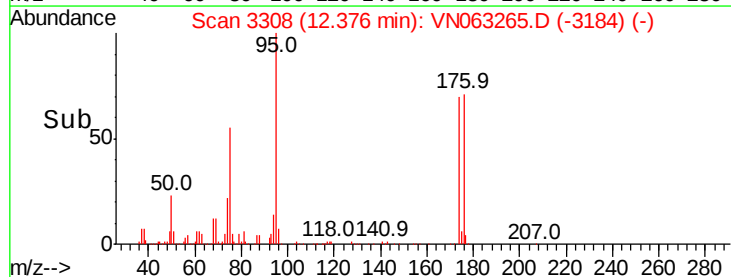
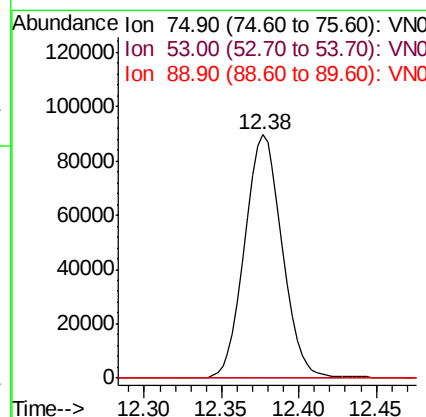
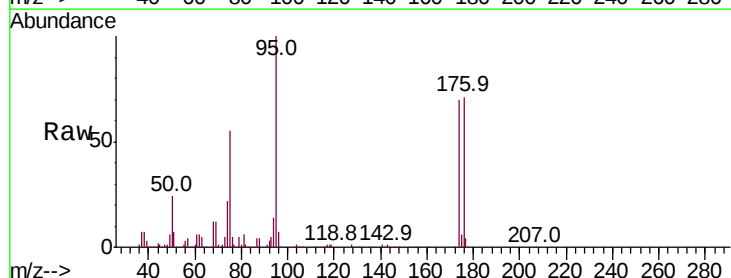
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

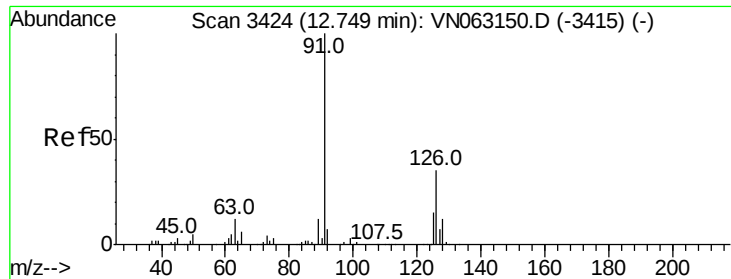
Tot Ion:105 Resp: 526065
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.933 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Tgt Ion: 75 Resp: 151051
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.7 118.1#
 89 0.2 35.3 52.9#

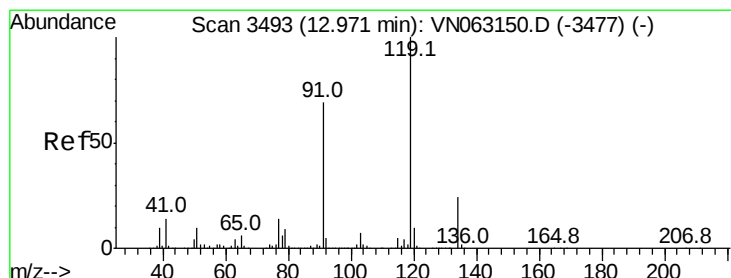
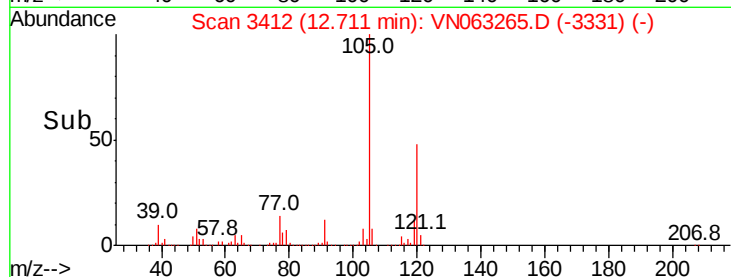
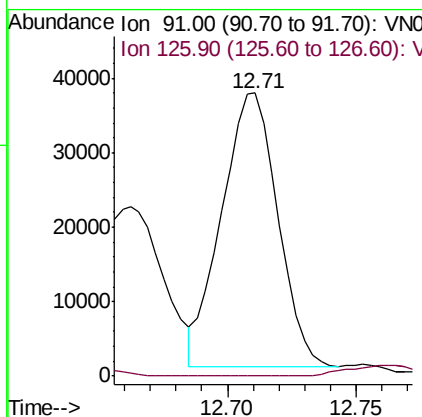
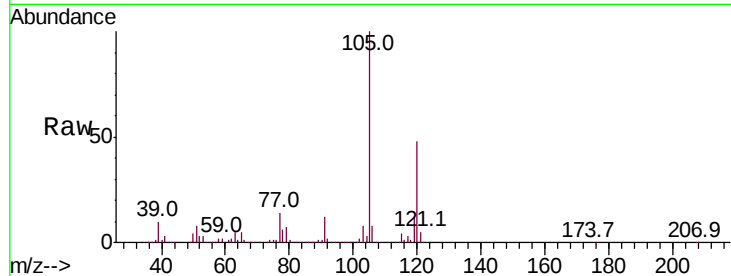




#82
4-Chlorotoluene
Concen: 3.783 ug/l
RT: 12.71 min Scan# 3412
Delta R.T. -0.04 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

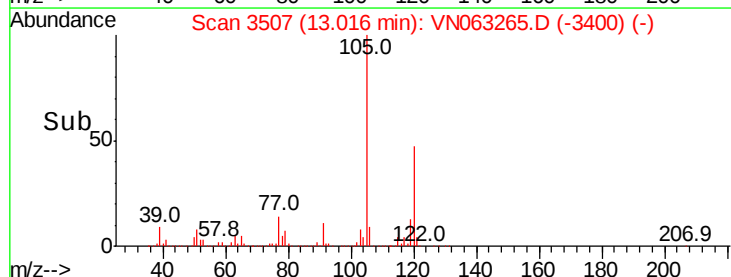
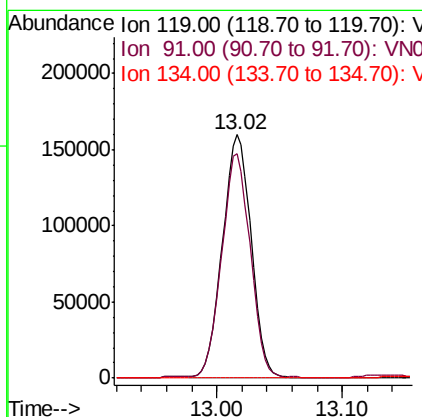
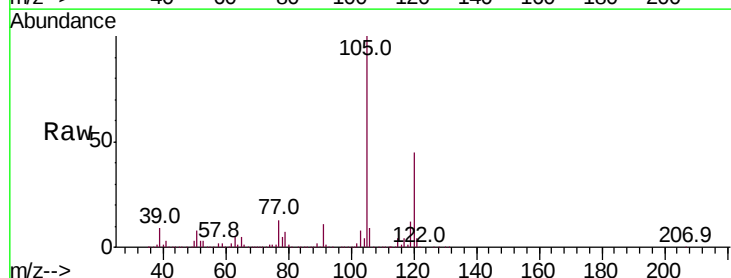
Instrument :
MSVOA_N
ClientSampleId :
TP-1

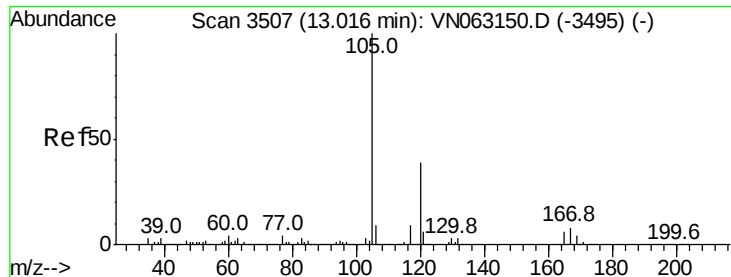
Tot Ion: 91 Resp: 55420
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.5#



#83
tert-Butylbenzene
Concen: 17.520 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.05 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion: 119 Resp: 254878
Ion Ratio Lower Upper
119 100
91 90.5 33.7 101.0
134 0.0 12.0 36.0#

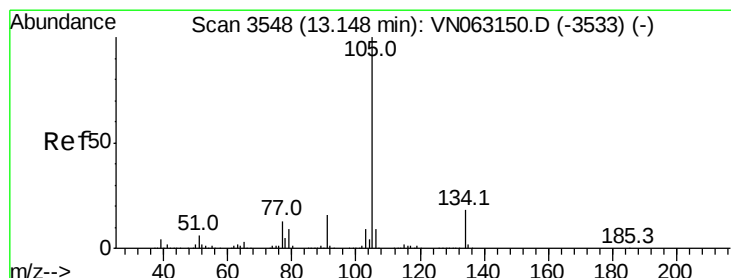
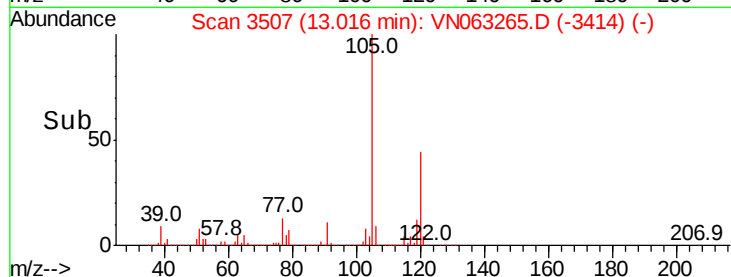
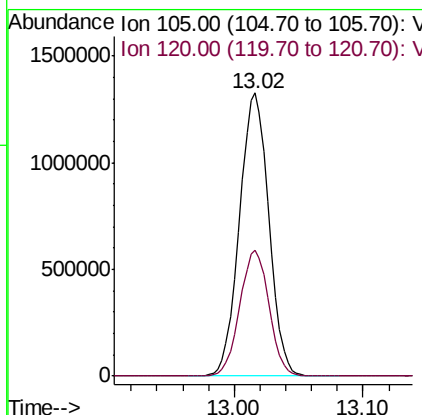
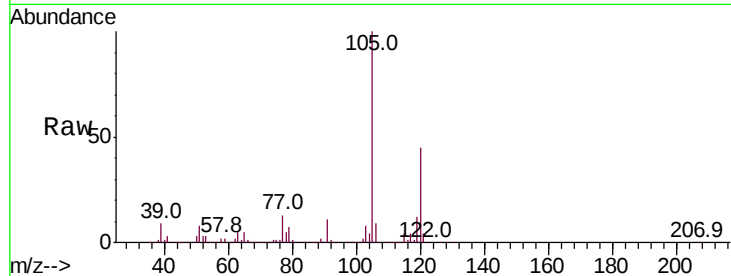




#84
 1,2,4-Trimethylbenzene
 Concen: 122.701 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

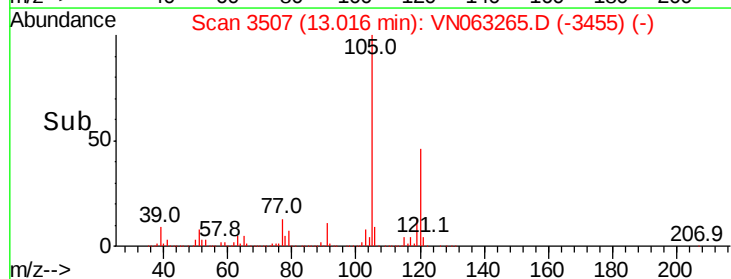
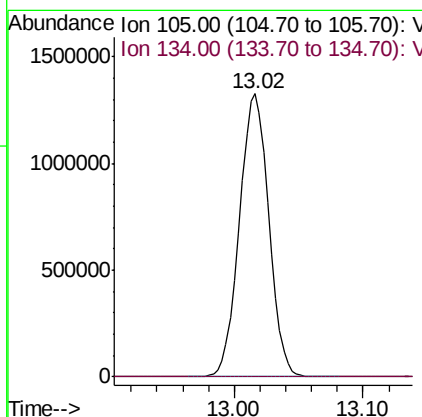
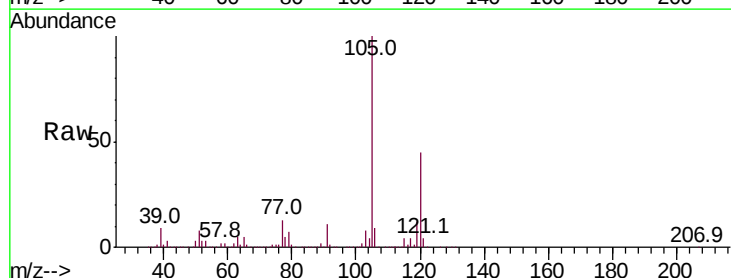
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

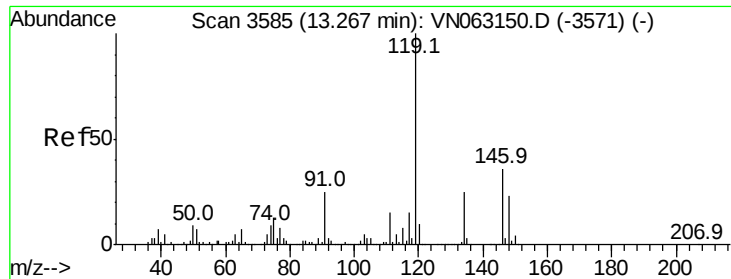
Tot Ion:105 Resp: 2097955
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 110.652 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.13 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Tgt Ion:105 Resp: 2097955
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.3#

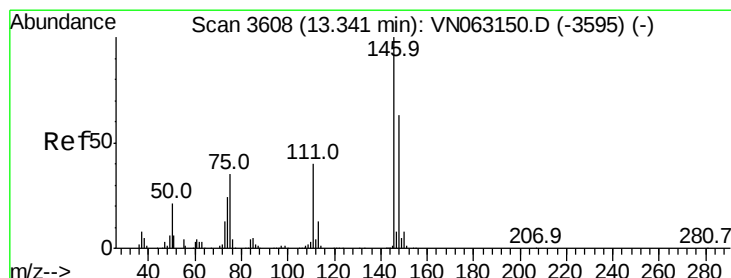
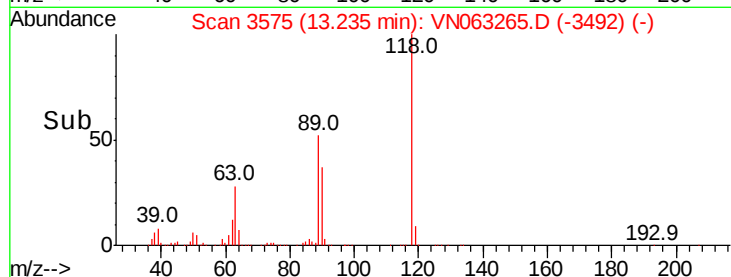
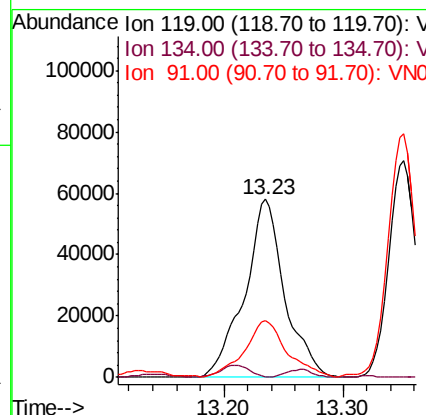
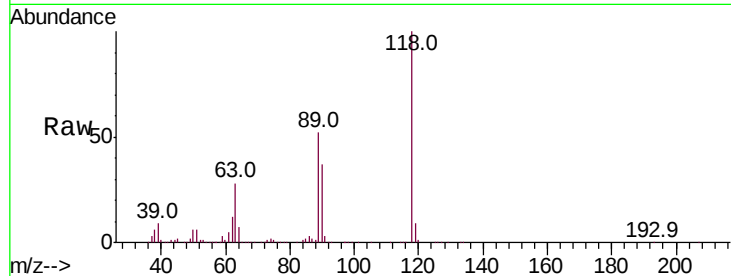




#86
 p-Isopropyltoluene
 Concen: 8.039 ug/l
 RT: 13.23 min Scan# 3575
 Delta R.T. -0.03 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

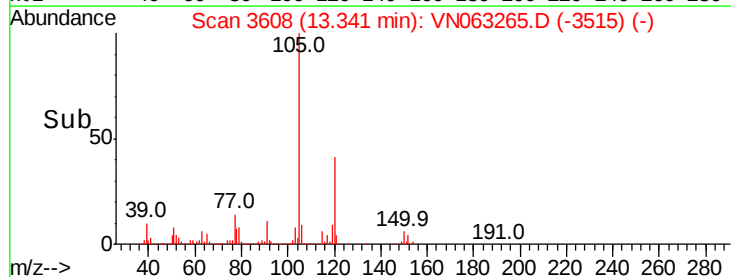
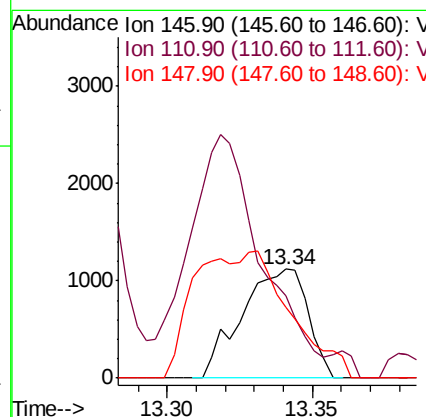
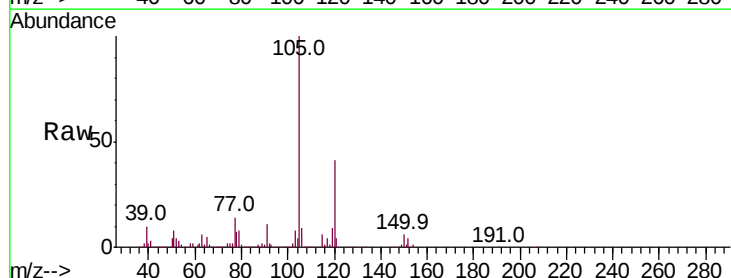
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

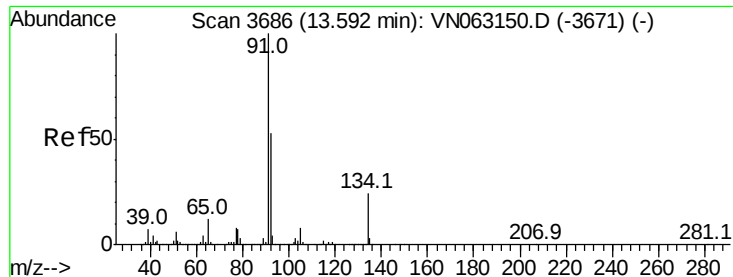
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.4	37.4#
91	32.0	12.2	36.6



#88
 1,4-Dichlorobenzene
 Concen: 0.203 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.5	61.5#
148	0.0	31.9	95.7#





#89

n-Butylbenzene

Concen: 30.097 ug/l

RT: 13.52 min Scan# 3663

Delta R.T. -0.07 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampled :

TP-1

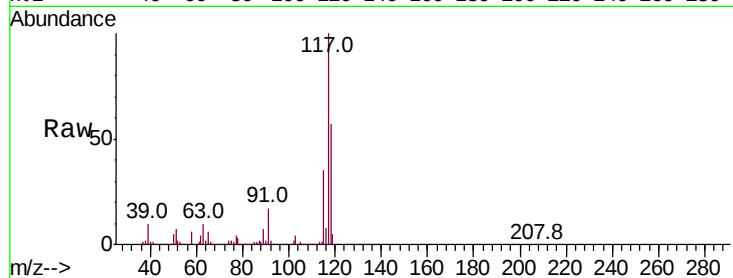
Tot Ion: 91 Resp: 468030

Ion Ratio Lower Upper

91 100

92 10.1 26.3 78.8#

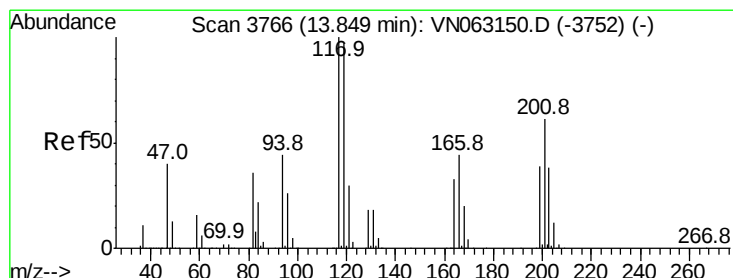
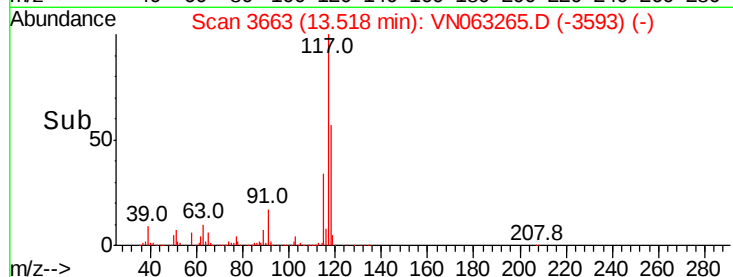
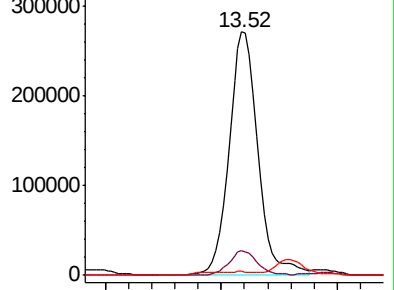
134 0.6 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN063150.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN063150.D (-3671) (-)



#90

Hexachloroethane

Concen: 5.061 ug/l

RT: 13.86 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN063265.D

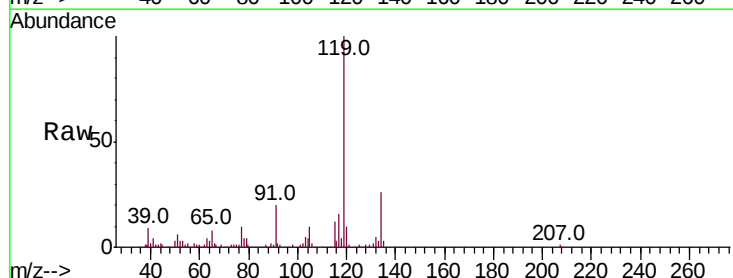
Acq: 5 Sep 2020 3:36

Tgt Ion: 117 Resp: 15771

Ion Ratio Lower Upper

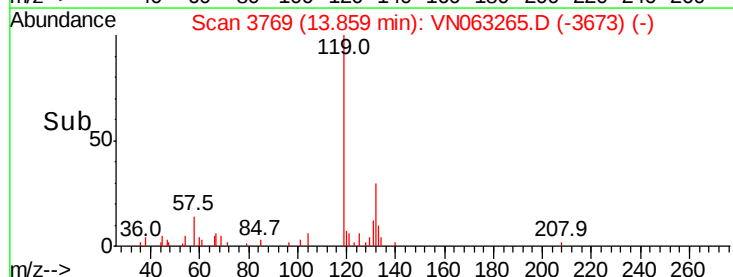
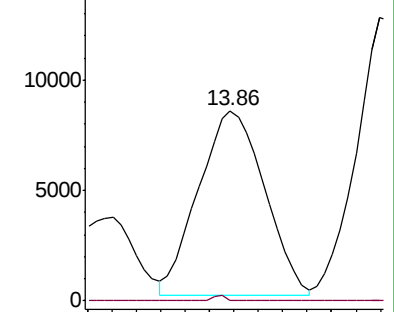
117 100

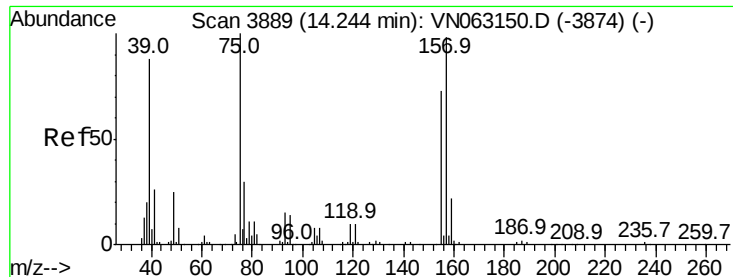
201 0.5 30.6 92.0#



Abundance Ion 116.80 (116.50 to 117.50): VN063150.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063150.D (-3752) (-)

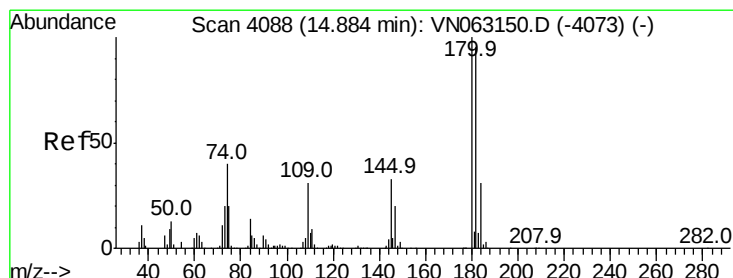
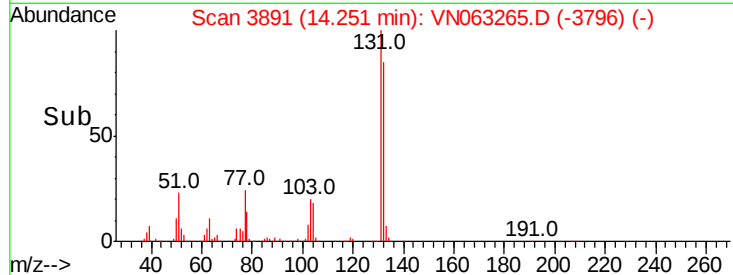
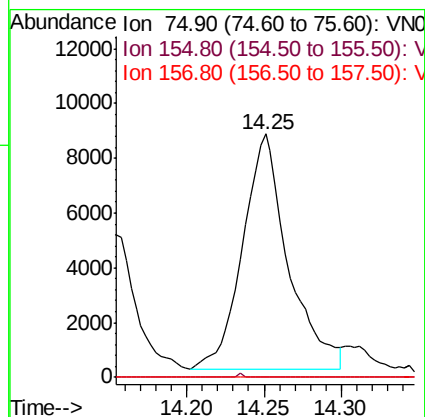
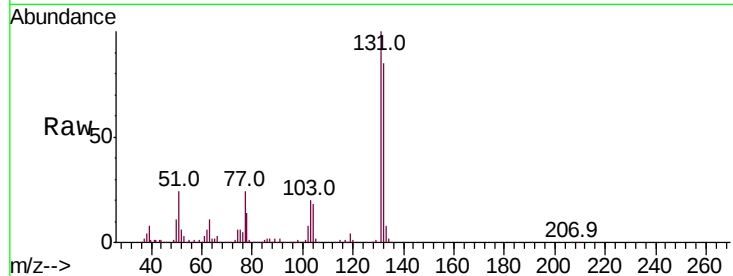




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.618 ug/l
 RT: 14.25 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

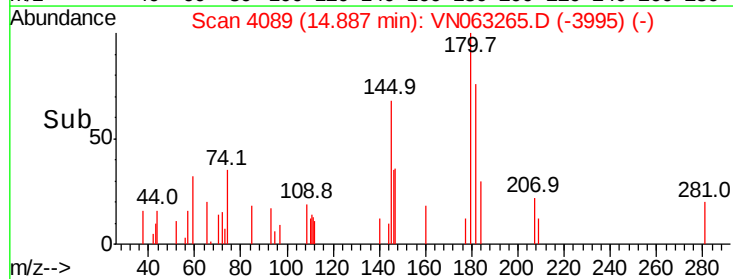
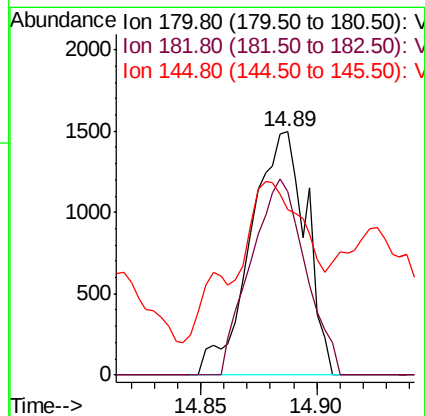
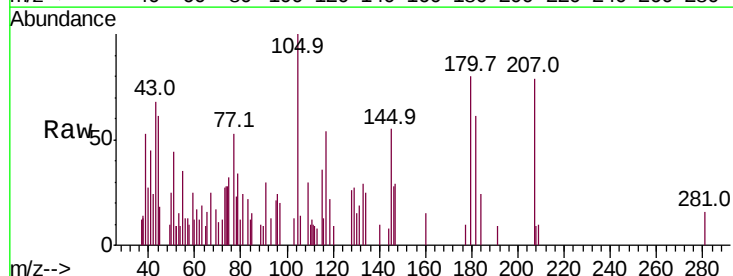
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

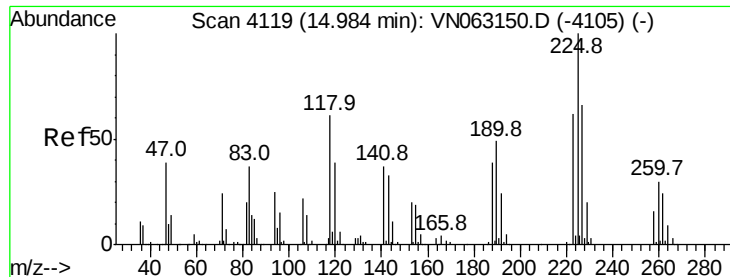
Tot Ion: 75 Resp: 17590
 Ion Ratio Lower Upper
 75 100
 155 0.2 36.1 108.5#
 157 0.0 48.4 145.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.544 ug/l
 RT: 14.89 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN063265.D
 Acq: 5 Sep 2020 3:36

Tgt Ion: 180 Resp: 2496
 Ion Ratio Lower Upper
 180 100
 182 79.1 47.5 142.5
 145 43.8 16.6 49.8

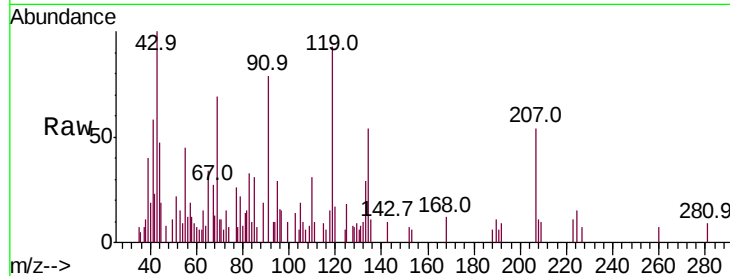




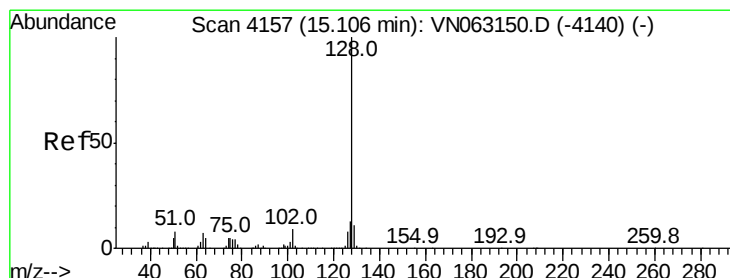
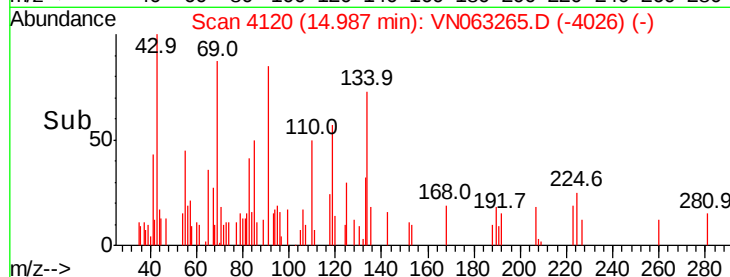
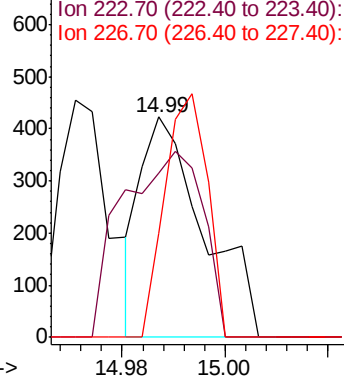
#94
Hexachlorobutadiene
Concen: 0.211 ug/l
RT: 14.99 min Scan# 4120
Delta R.T. 0.00 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tot Ion:225 Resp: 361
Ion Ratio Lower Upper
225 100
223 107.2 30.9 92.7#
227 73.7 32.9 98.7

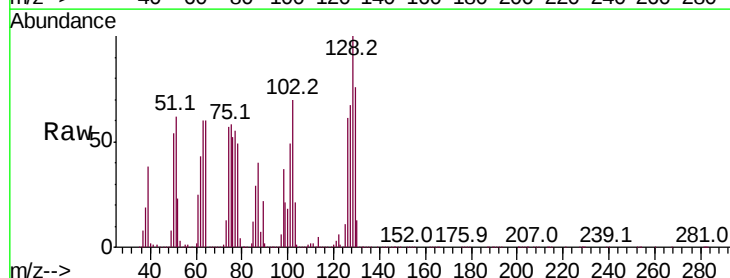


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

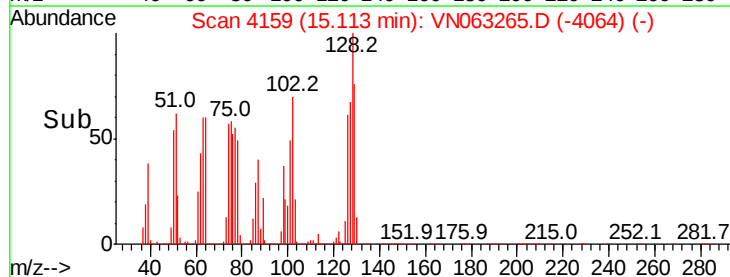
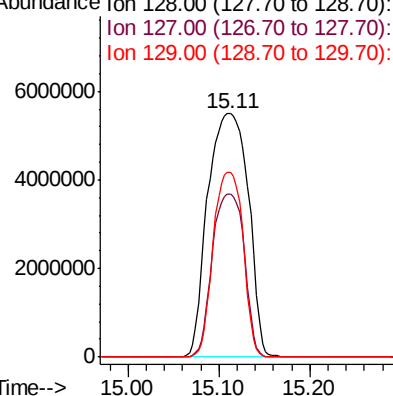


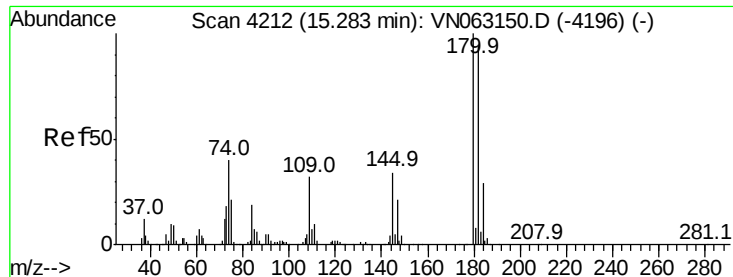
#95
Naphthalene
Concen: 1110.921 ug/l
RT: 15.11 min Scan# 4159
Delta R.T. 0.01 min
Lab File: VN063265.D
Acq: 5 Sep 2020 3:36

Tgt Ion:128 Resp:17013883
Ion Ratio Lower Upper
128 100
127 52.8 10.5 15.7#
129 55.9 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: 0.569 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063265.D

Acq: 5 Sep 2020 3:36

Instrument :

MSVOA_N

ClientSampleId :

TP-1

Tot Ion:180 Resp: 2546

Ion Ratio Lower Upper

180 100

182 111.5 47.5 142.5

145 0.0 17.3 52.0#

