

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090420\
 Data File : VV018159.D
 Acq On : 04 Sep 2020 15:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.84g/5.0ml/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 00:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 00:02:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	266198	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74622	36.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.48%
7) Chloroethane-d5	1.58	69	72584	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.12	63	165987	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.44%
21) 2-Butanone-d5	3.91	46	143969	108.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.23%
24) Chloroform-d	4.37	84	181369	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
26) 1,2-Dichloroethane-d4	5.05	65	117421	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
32) Benzene-d6	5.07	84	338172	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
36) 1,2-Dichloropropane-d6	6.09	67	113583	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.40%
41) Toluene-d8	7.33	98	305693	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.64	79	56846	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
47) 2-Hexanone-d5	8.11	63	81901	108.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.30%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	163683	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	143659	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	85620	41.661	ug/L	99
3) Chloromethane	1.25	50	98555	41.283	ug/L	98
5) Vinyl chloride	1.32	62	102948	43.524	ug/L	98
6) Bromomethane	1.53	94	64374	45.536	ug/L	98
8) Chloroethane	1.60	64	69899	46.300	ug/L	100
9) Trichlorofluoromethane	1.77	101	156941	46.449	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93329	49.470	ug/L	97
12) 1,1-Dichloroethene	2.13	96	85558	47.914	ug/L	93
13) Acetone	2.19	43	164468	119.700	ug/L	99
14) Carbon disulfide	2.31	76	201631	41.027	ug/L	100
15) Methyl Acetate	2.45	43	103743	46.787	ug/L	100
16) Methylene chloride	2.52	84	102169	44.912	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	88455	48.190	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	310992	51.231	ug/L	99
19) 1,1-Dichloroethane	3.21	63	184100	49.881	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	102582	50.856	ug/L	98
22) 2-Butanone	3.99	43	177127	114.912	ug/L	99

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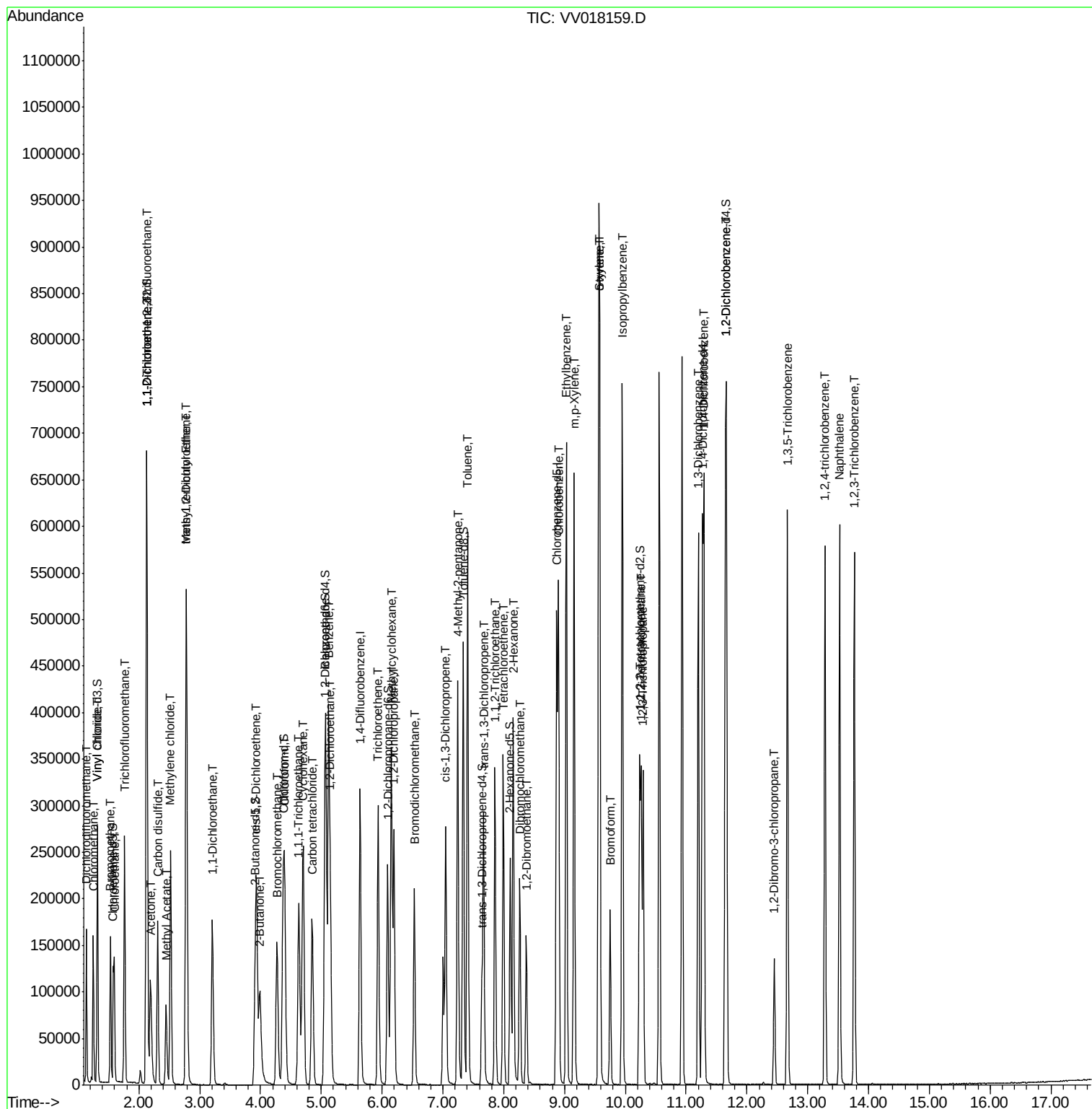
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54208	51.444	ug/L	96
25) Chloroform	4.40	83	190800	50.684	ug/L	99
27) 1,2-Dichloroethane	5.15	62	148153	49.444	ug/L	97
29) Cyclohexane	4.70	56	143447	45.442	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	160298	50.013	ug/L	98
31) Carbon tetrachloride	4.85	117	135081	50.627	ug/L	99
33) Benzene	5.12	78	394139	48.708	ug/L	100
34) Trichloroethene	5.94	95	103474	48.377	ug/L	97
35) Methylcyclohexane	6.15	83	145971	45.896	ug/L	99
37) 1,2-Dichloropropane	6.19	63	109507	49.624	ug/L	100
38) Bromodichloromethane	6.53	83	141244	51.530	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	167689	53.603	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	286860	99.439	ug/L	100
42) Toluene	7.41	91	422170	49.998	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	164945	55.571	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	103442	50.617	ug/L	98
46) Tetrachloroethene	7.99	164	79635	50.766	ug/L	98
48) 2-Hexanone	8.15	43	246192	105.832	ug/L	100
49) Dibromochloromethane	8.26	129	112684	56.491	ug/L	98
50) 1,2-Dibromoethane	8.37	107	105542	49.916	ug/L	98
51) Chlorobenzene	8.90	112	278075	51.206	ug/L	98
52) Ethylbenzene	9.03	91	471421	51.205	ug/L	99
53) m,p-Xylene	9.16	106	178866	52.822	ug/L	96
54) o-xylene	9.56	106	175009	52.299	ug/L	97
55) Styrene	9.58	104	309749	54.052	ug/L	100
56) Isopropylbenzene	9.95	105	471552	53.416	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	157127	49.375	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	133568	49.010	ug/L	100
61) Bromoform	9.75	173	82274	60.077	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	234555	50.963	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	240158	50.794	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	236148	49.850	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33670	48.240	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	191625	54.808	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	172390	56.082	ug/L	100
69) Naphthalene	13.52	128	442523	52.231	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	171597	54.893	ug/L	99

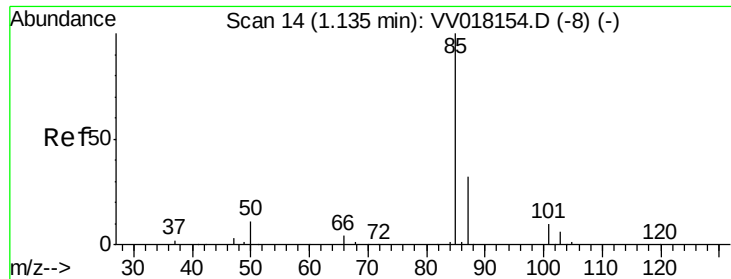
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.661 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

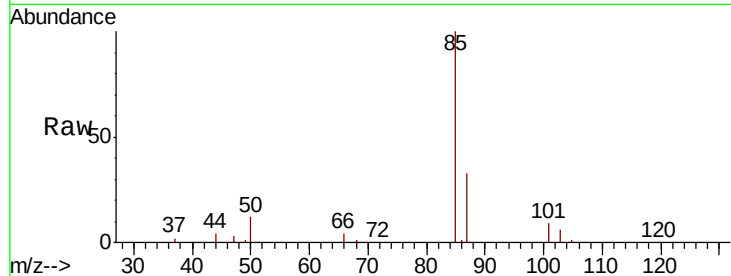
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 85620

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

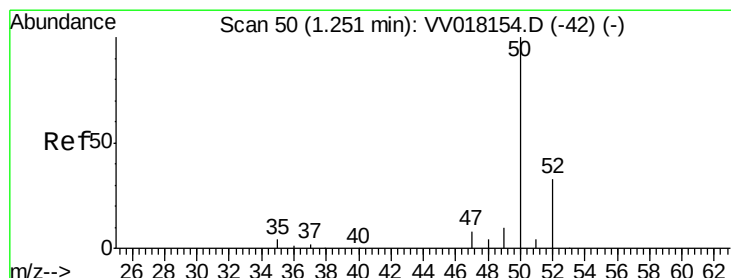
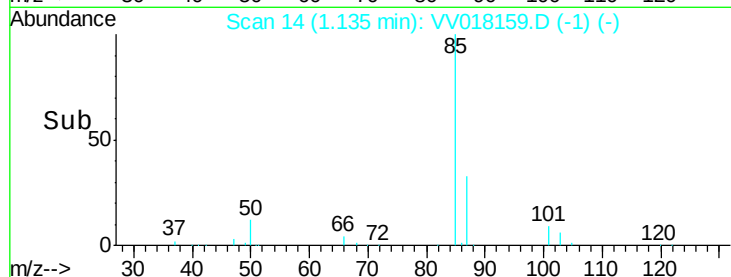
60000

40000

20000

0

Time--> 1.10 1.15 1.20



#3

Chloromethane

Concen: 41.283 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018159.D

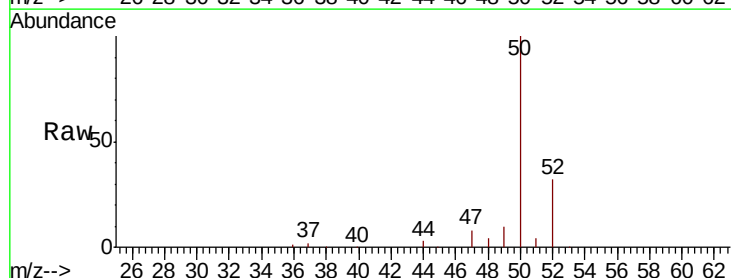
Acq: 04 Sep 2020 15:16

Tgt Ion: 50 Resp: 98555

Ion Ratio Lower Upper

50 100

52 32.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

100000

80000

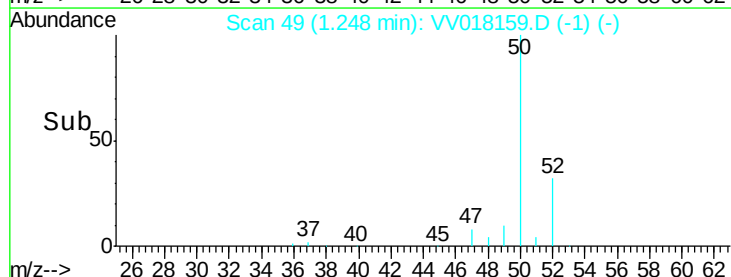
60000

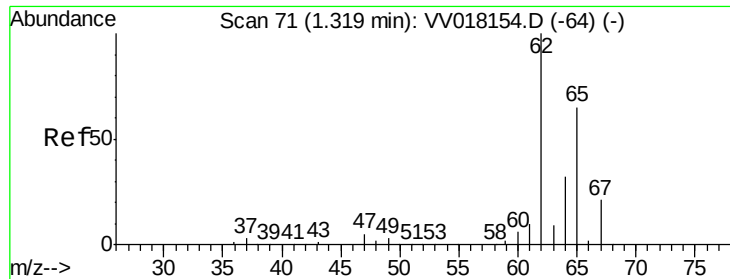
40000

20000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 43.524 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

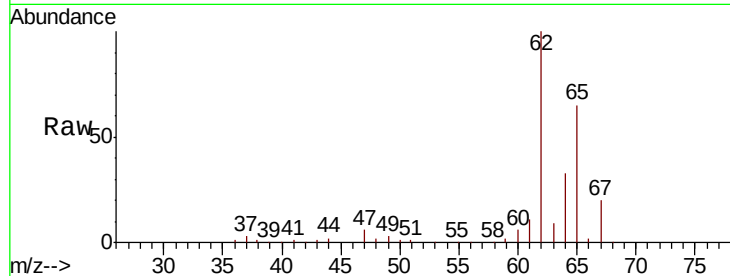
ClientSampleId :

Tot Ion: 62 Resp: 102948

Ion Ratio Lower Upper

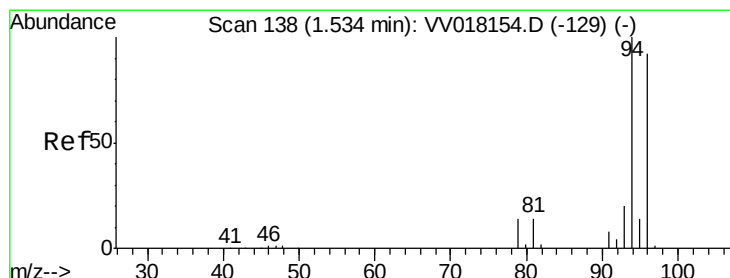
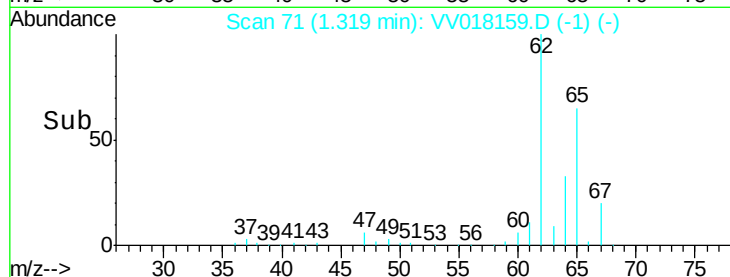
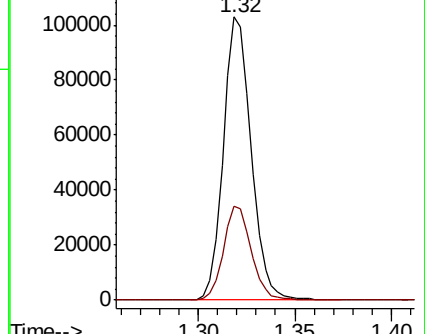
62 100

64 33.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.536 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018159.D

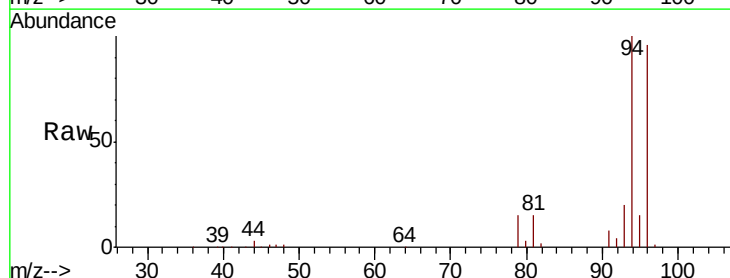
Acq: 04 Sep 2020 15:16

Tgt Ion: 94 Resp: 64374

Ion Ratio Lower Upper

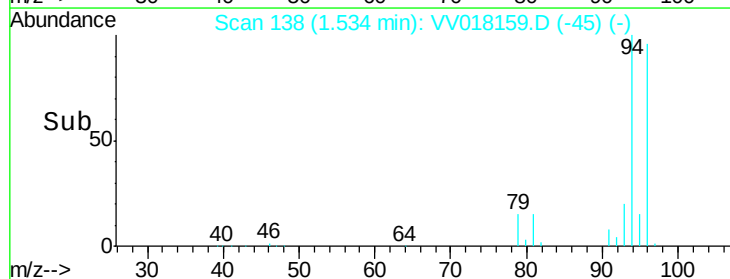
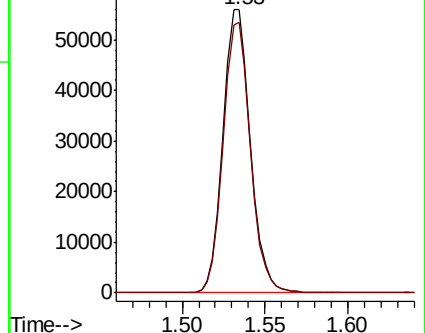
94 100

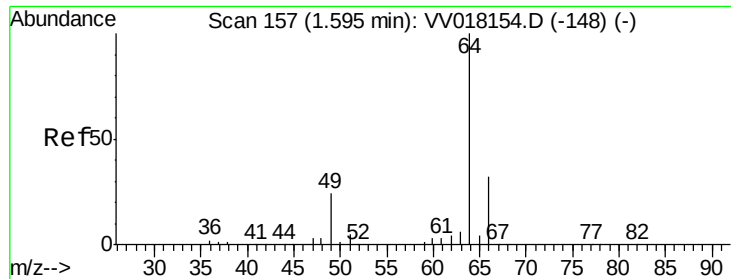
96 95.8 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.300 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

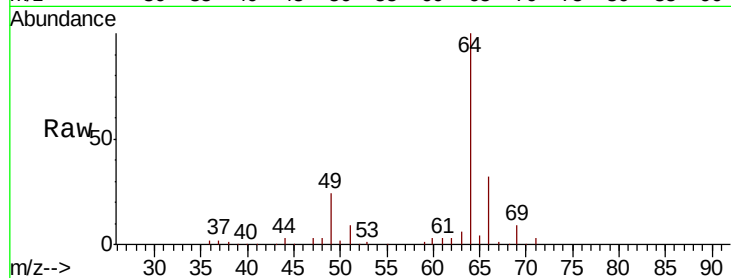
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 69899

Ion Ratio Lower Upper

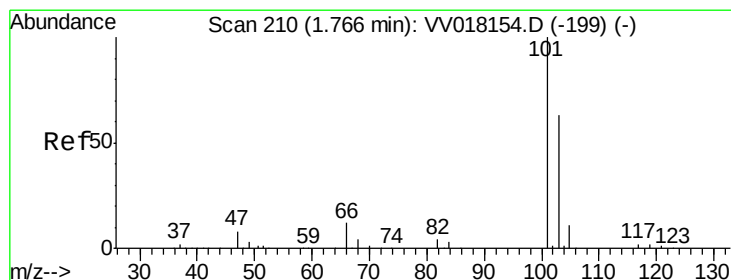
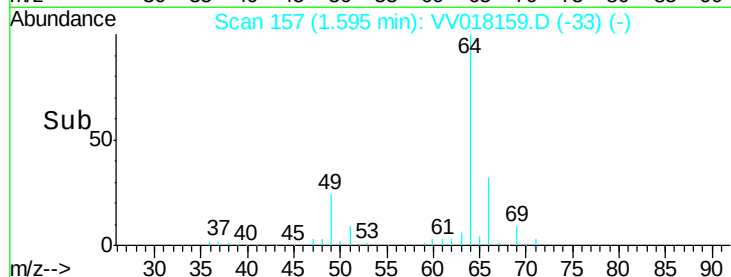
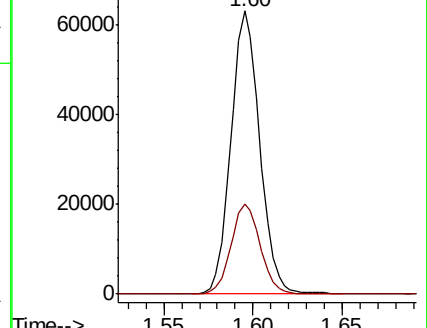
64 100

66 32.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018159.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV018159.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 46.449 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018159.D

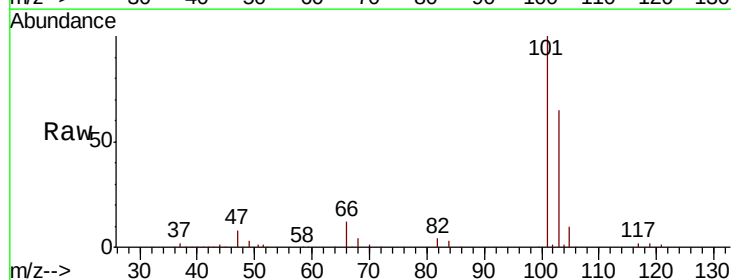
Acq: 04 Sep 2020 15:16

Tgt Ion: 101 Resp: 156941

Ion Ratio Lower Upper

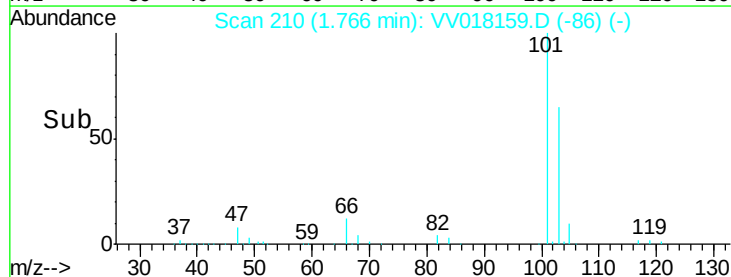
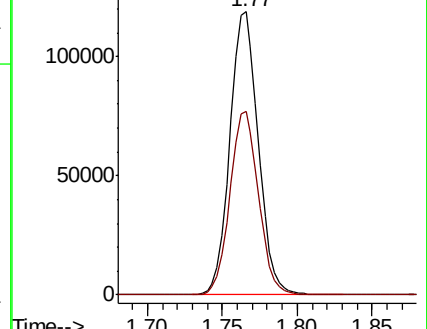
101 100

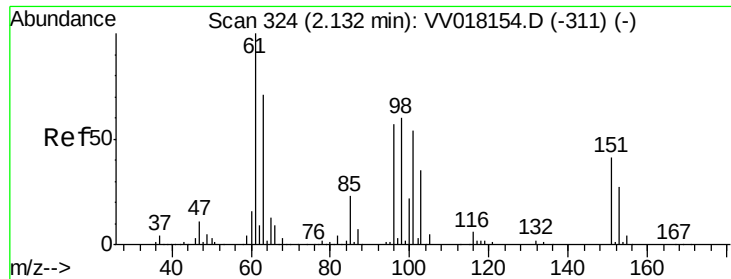
103 65.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018159.D (-86) (-)

Ion 103.00 (102.70 to 103.70): VV018159.D (-86) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.470 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

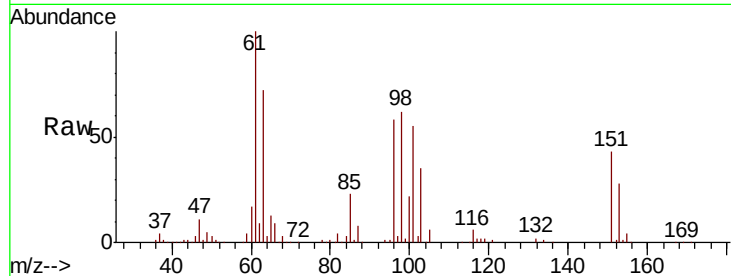
Tot Ion:101 Resp: 93329

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

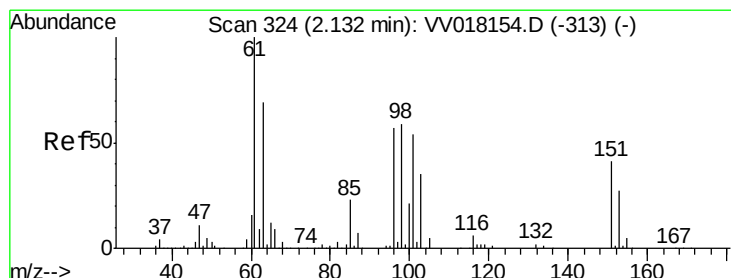
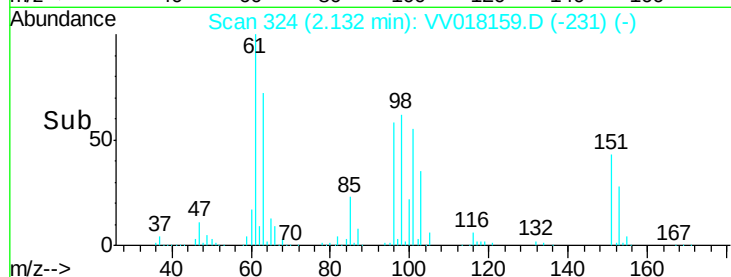
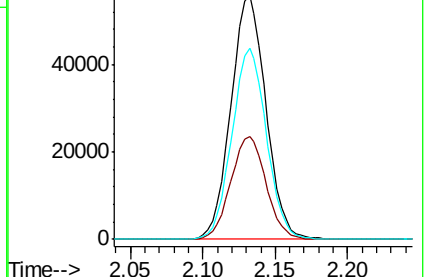
151 77.7 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV018159.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018159.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018159.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 47.914 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

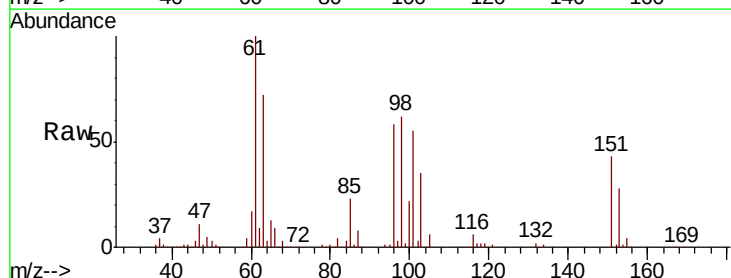
Tgt Ion: 96 Resp: 85558

Ion Ratio Lower Upper

96 100

61 173.3 127.1 236.0

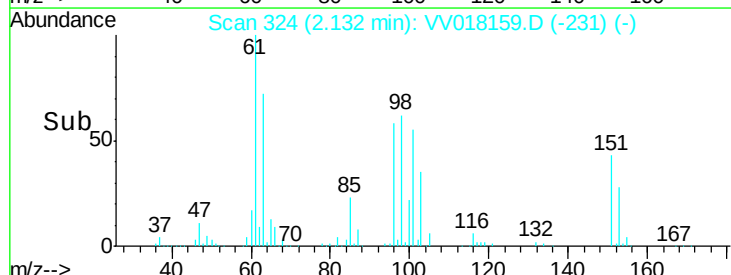
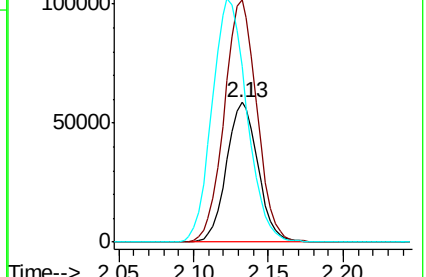
63 125.4 95.2 176.8

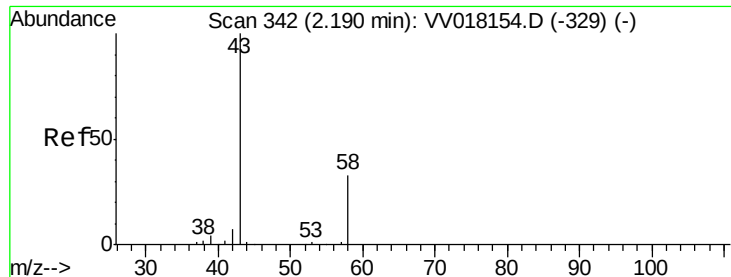


Abundance Ion 96.00 (95.70 to 96.70): VV018159.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018159.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018159.D (-231) (-)





#13

Acetone

Concen: 119.700 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

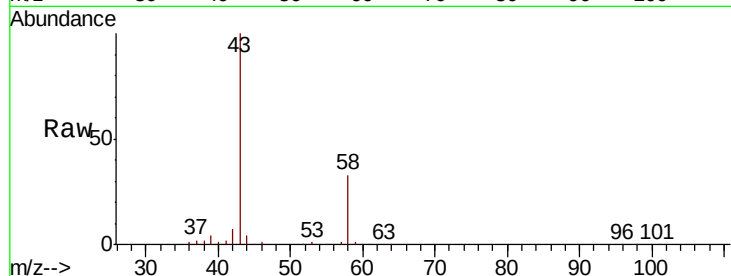
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 164468

Ion Ratio Lower Upper

43 100

58 32.4 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

80000

60000

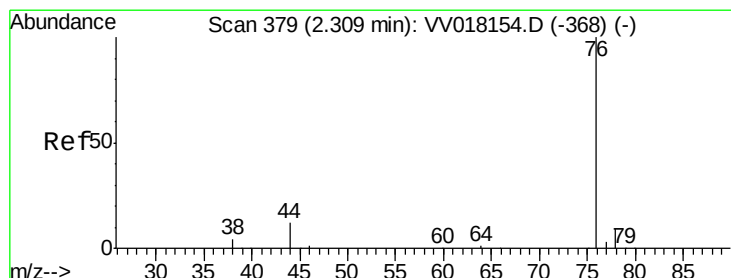
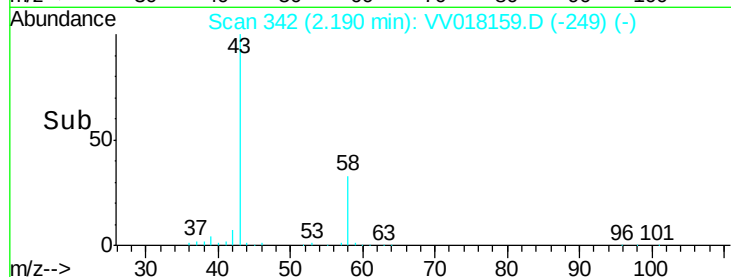
40000

20000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 41.027 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018159.D

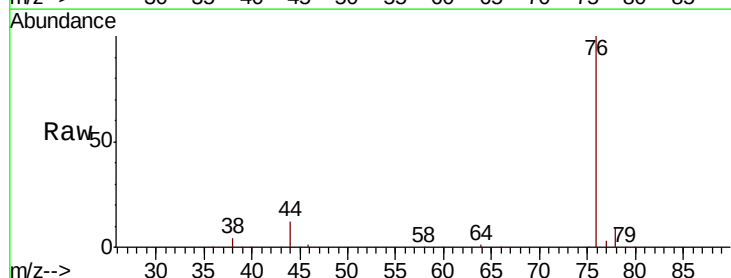
Acq: 04 Sep 2020 15:16

Tgt Ion: 76 Resp: 201631

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

150000

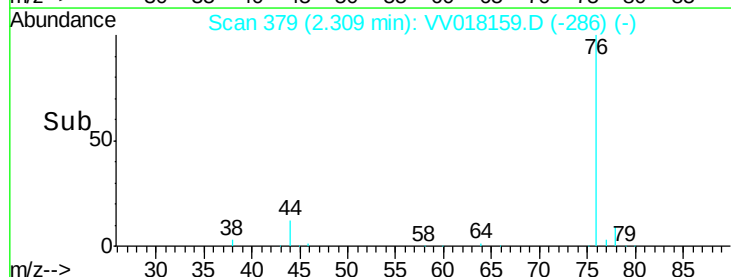
100000

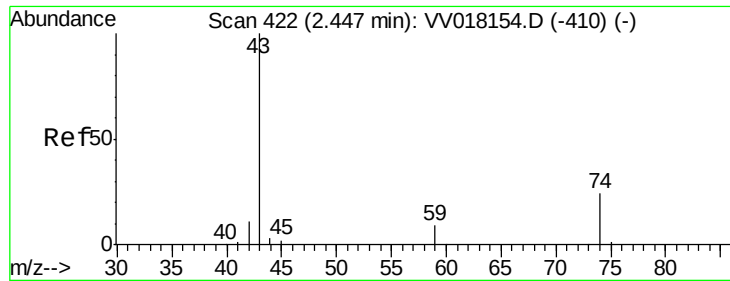
50000

0

2.25 2.30 2.35 2.40

Time-->

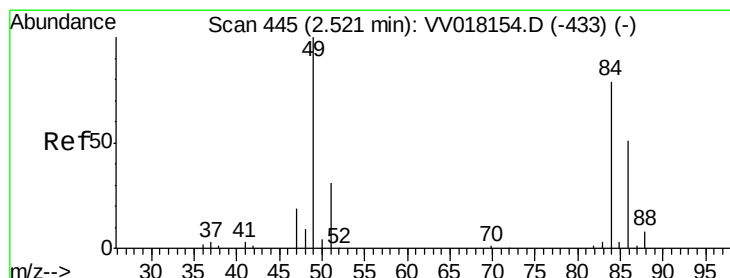
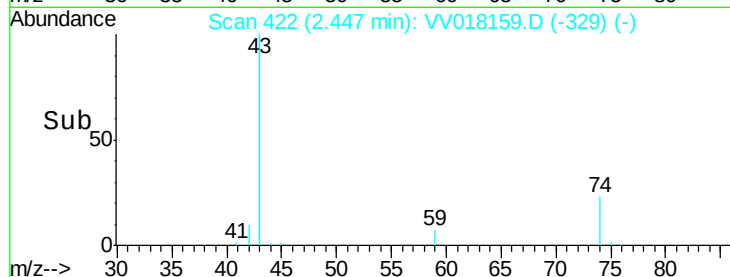
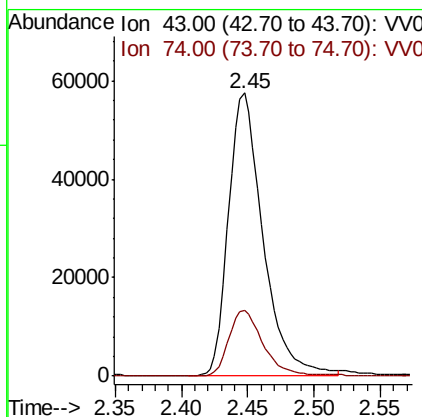
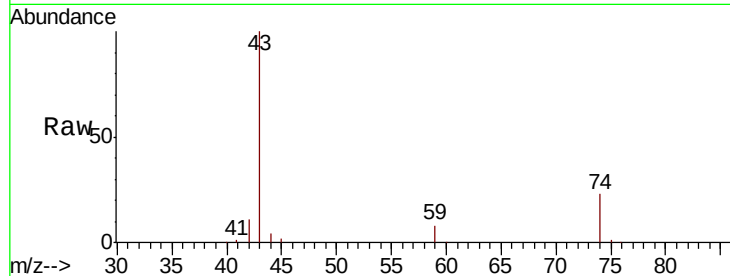




#15
Methvl Acetate
Concen: 46.787 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

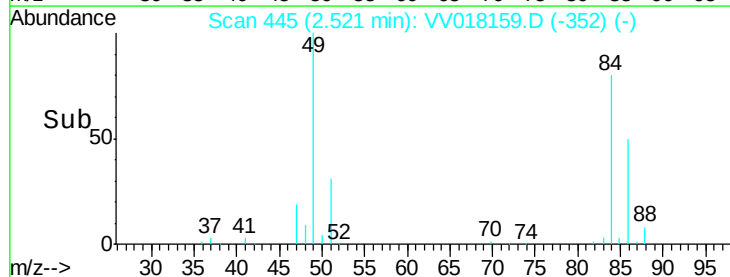
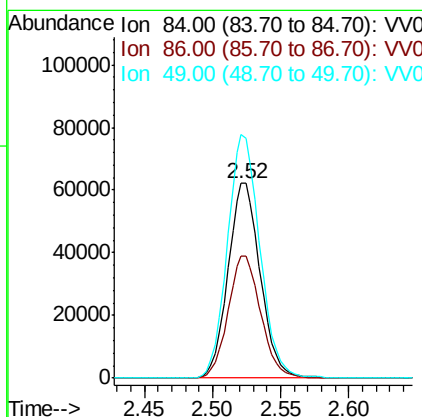
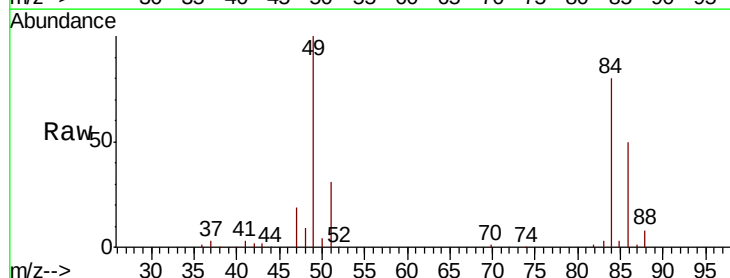
Instrument :
MSVOA_V
ClientSampleId :

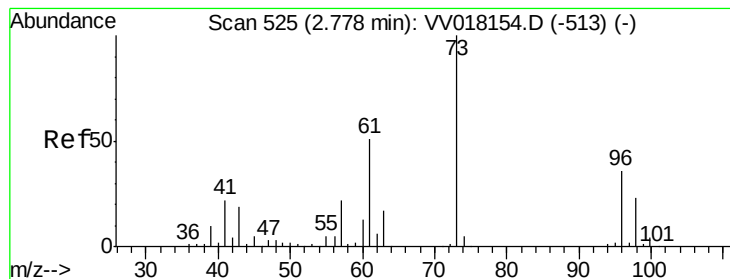
Tot Ion: 43 Resp: 103743
Ion Ratio Lower Upper
43 100
74 23.1 18.4 27.6



#16
Methylene chloride
Concen: 44.912 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

Tgt Ion: 84 Resp: 102169
Ion Ratio Lower Upper
84 100
86 63.0 46.3 85.9
49 125.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 48.190 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :
MSVOA_V
ClientSampled :

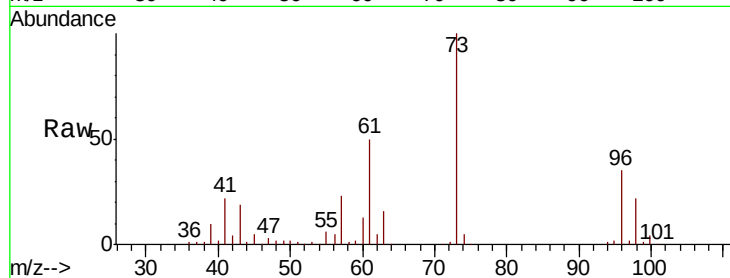
Tot Ion: 96 Resp: 88455

Ion Ratio Lower Upper

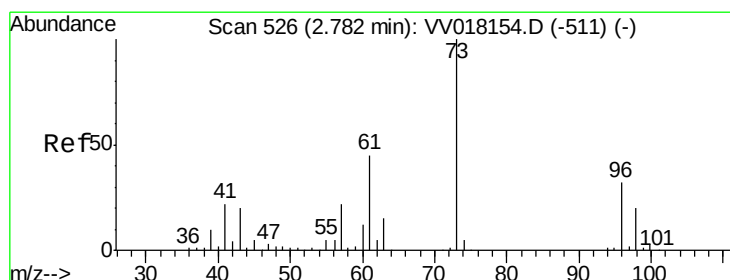
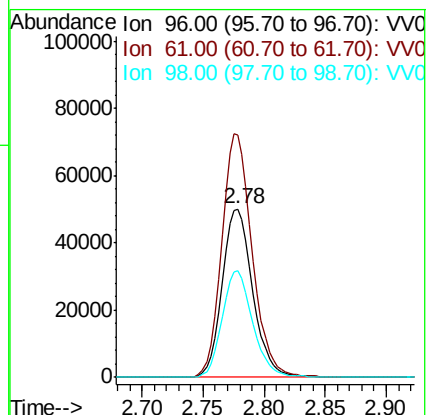
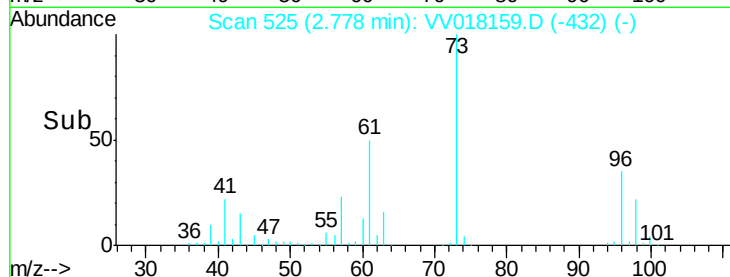
96 100

61 144.4 102.4 190.2

98 63.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.231 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

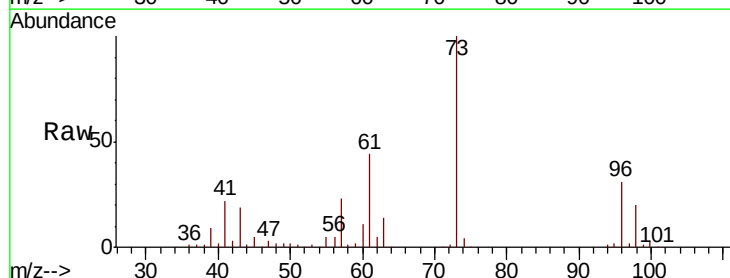
Tgt Ion: 73 Resp: 310992

Ion Ratio Lower Upper

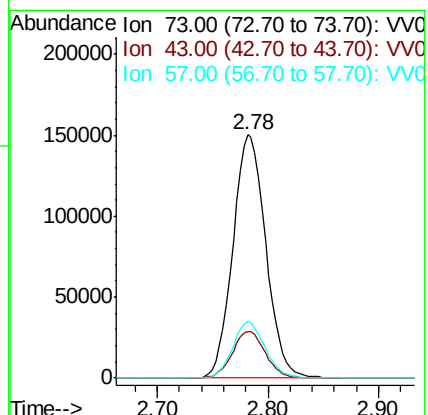
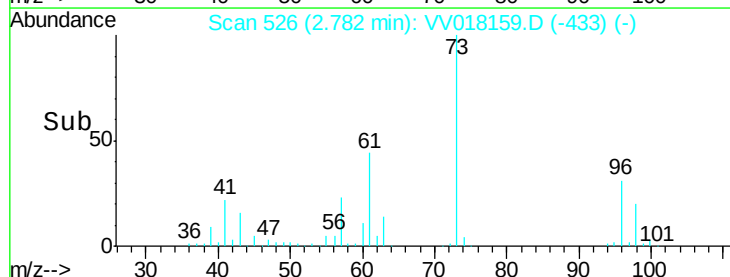
73 100

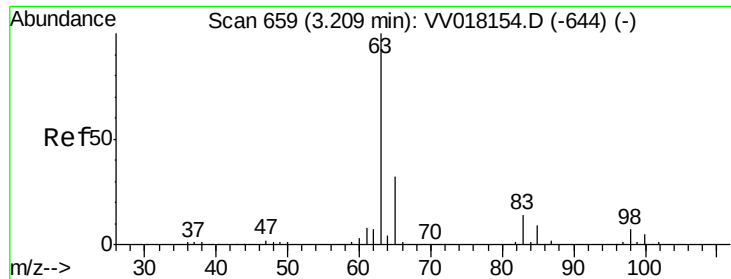
43 19.1 15.9 23.9

57 22.7 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

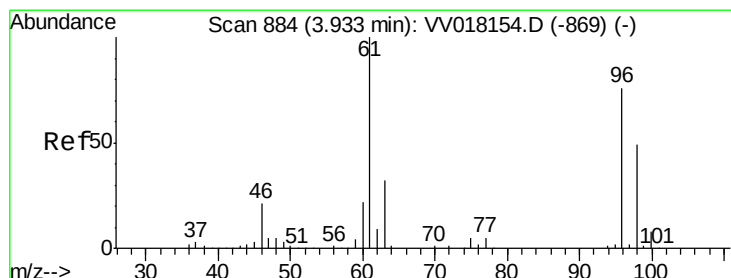
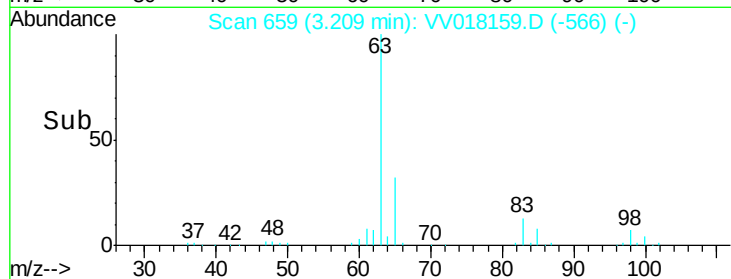
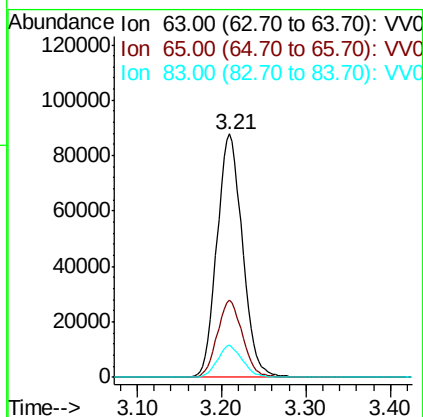
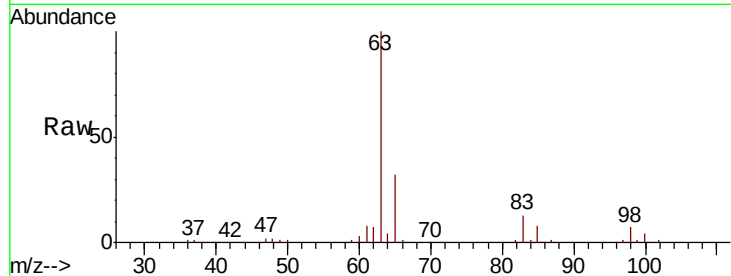




#19
 1,1-Dichloroethane
 Concen: 49.881 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

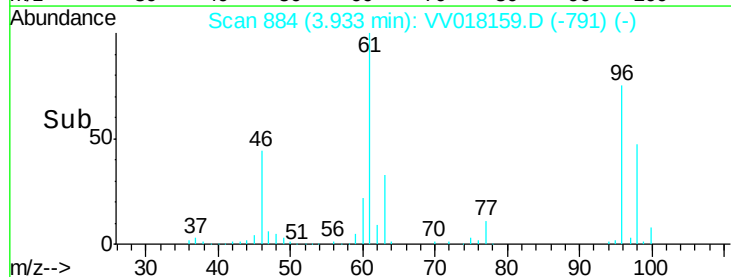
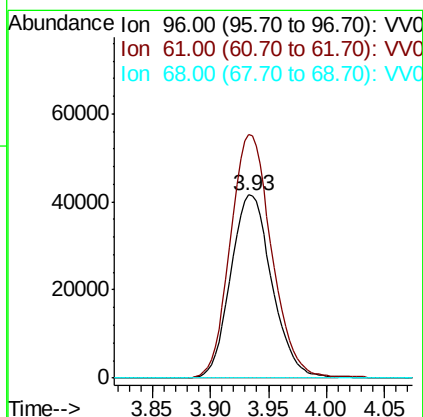
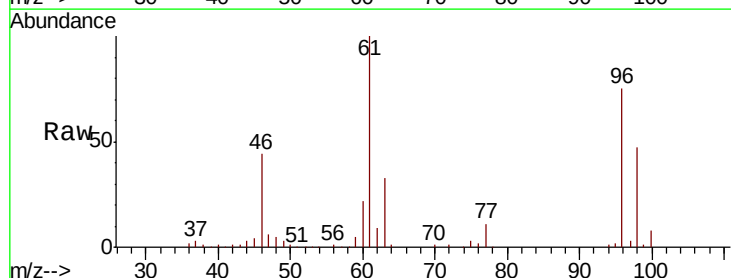
Instrument :
 MSVOA_V
 ClientSampled :

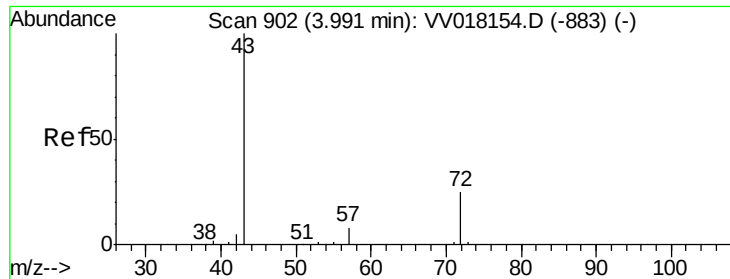
Tot Ion: 63 Resp: 184100
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.856 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Tgt Ion: 96 Resp: 102582
 Ion Ratio Lower Upper
 96 100
 61 133.2 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 114.912 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

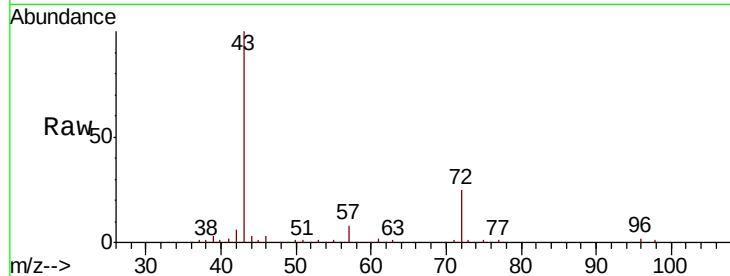
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 177127

Ion Ratio Lower Upper

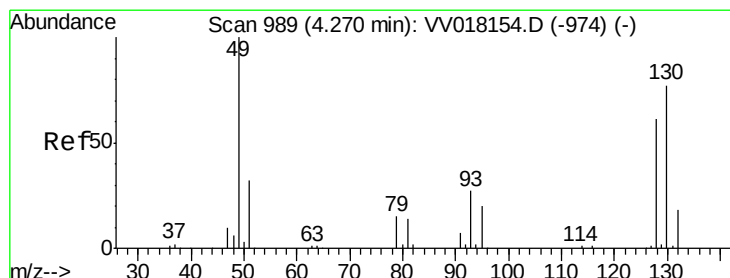
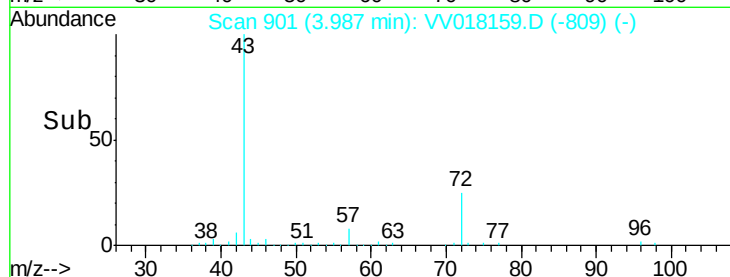
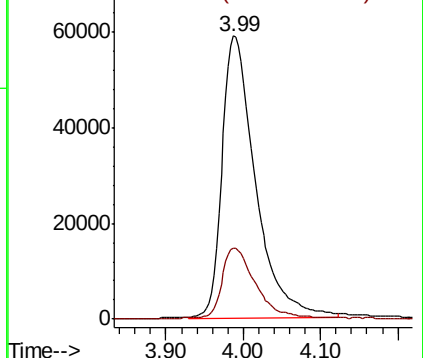
43 100

72 24.9 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018159.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV018159.D (-809) (-)



#23

Bromochloromethane

Concen: 51.444 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Tgt Ion: 128 Resp: 54208

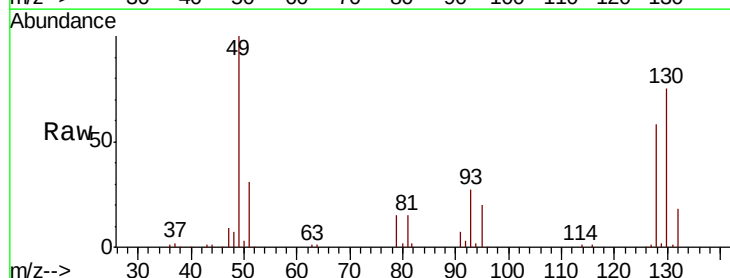
Ion Ratio Lower Upper

128 100

49 171.4 125.6 233.3

130 128.8 89.9 167.0

51 53.1 45.8 68.6

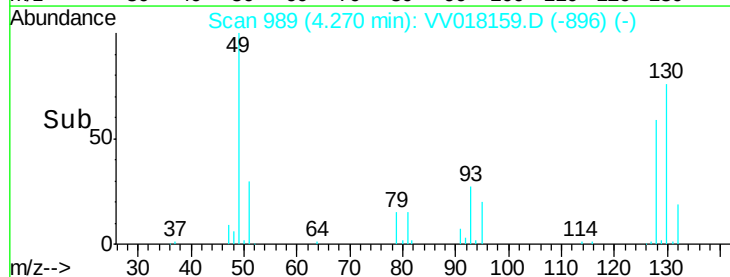
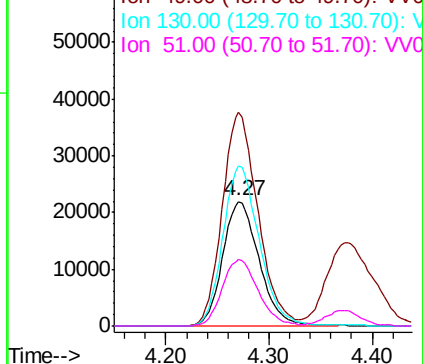


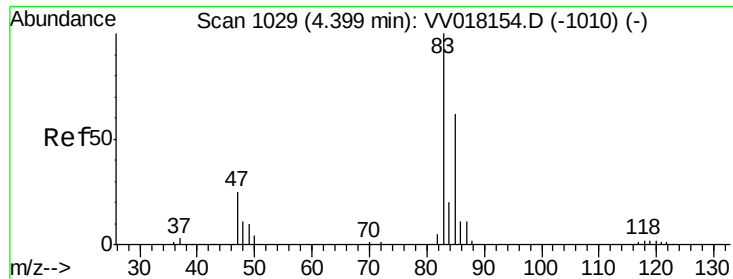
Abundance Ion 128.00 (127.70 to 128.70): VV018159.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018159.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018159.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018159.D (-896) (-)

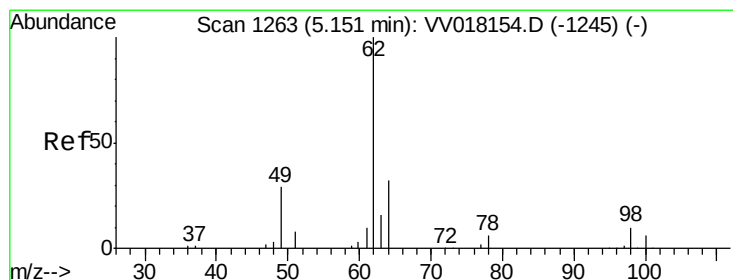
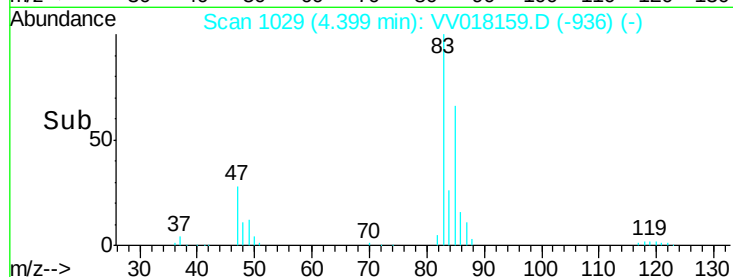
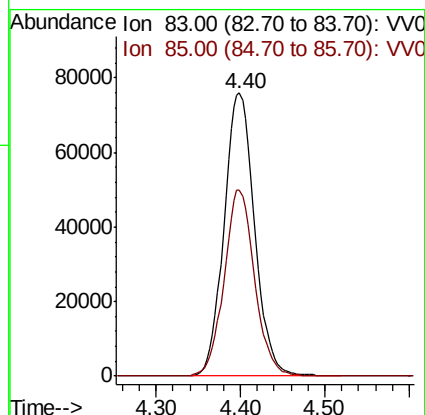
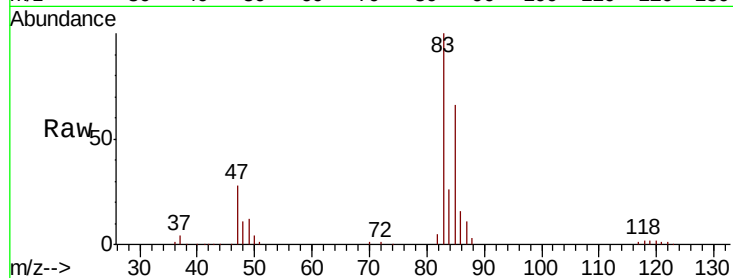




#25
Chloroform
Concen: 50.684 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

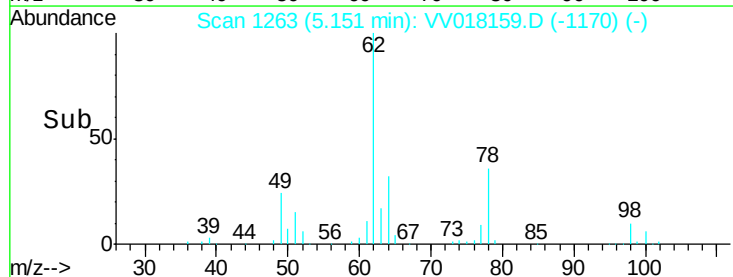
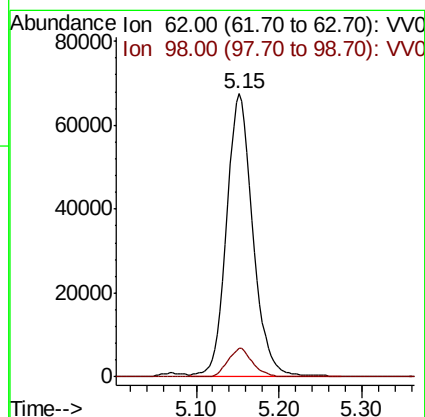
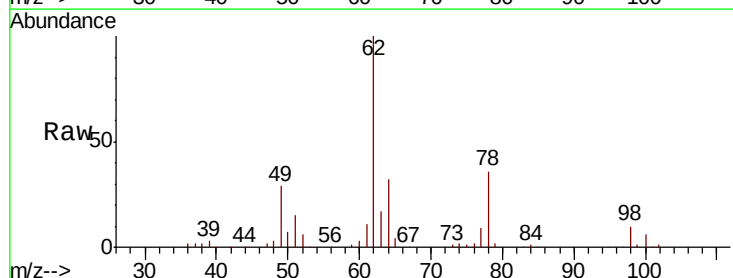
Instrument :
MSVOA_V
ClientSampleId :

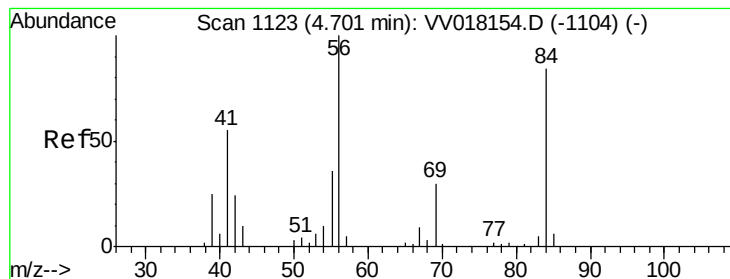
Tot Ion: 83 Resp: 190800
Ion Ratio Lower Upper
83 100
85 65.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.444 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

Tgt Ion: 62 Resp: 148153
Ion Ratio Lower Upper
62 100
98 10.0 7.1 10.7





#29

Cyclohexane

Concen: 45.442 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :
MSVOA_V
ClientSampleId :

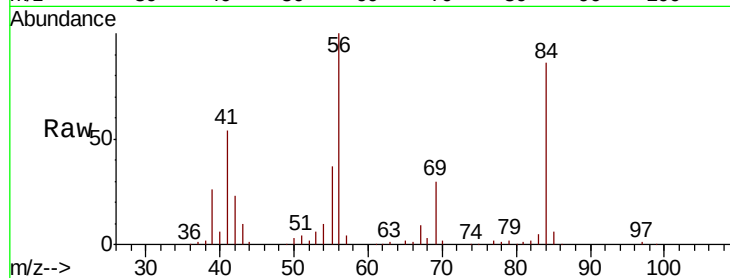
Tot Ion: 56 Resp: 143447

Ion Ratio Lower Upper

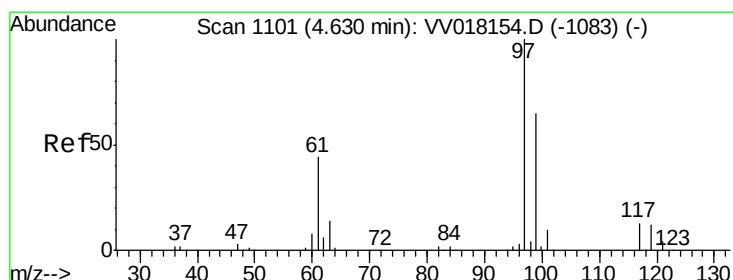
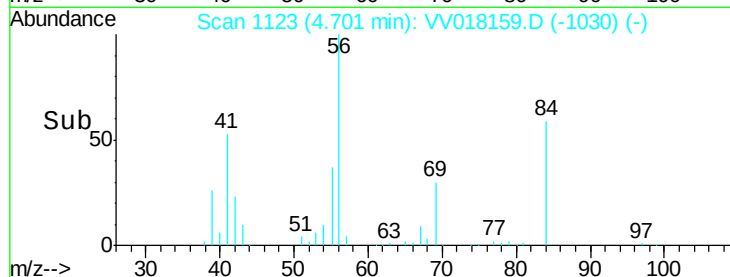
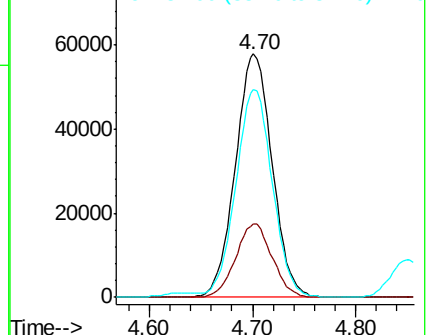
56 100

69 29.9 23.8 35.8

84 85.2 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.013 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

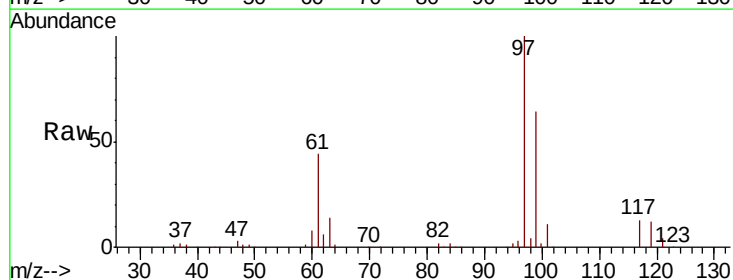
Tgt Ion: 97 Resp: 160298

Ion Ratio Lower Upper

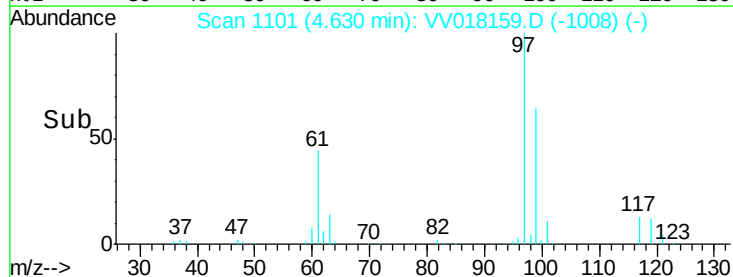
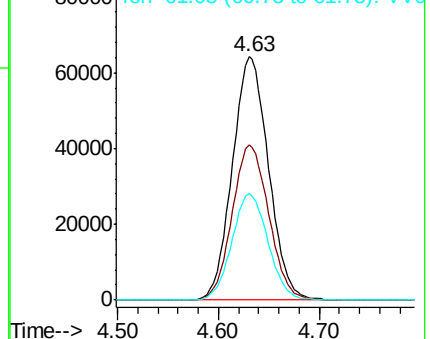
97 100

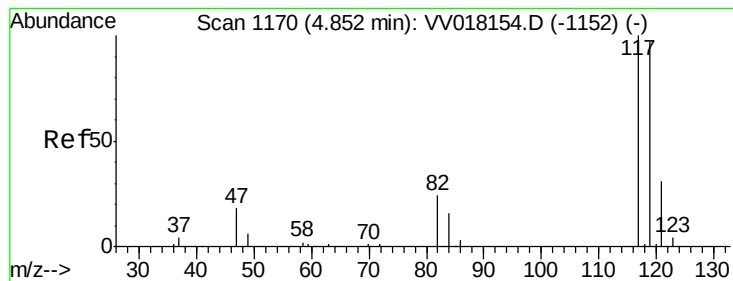
99 64.7 50.6 76.0

61 44.1 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.627 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

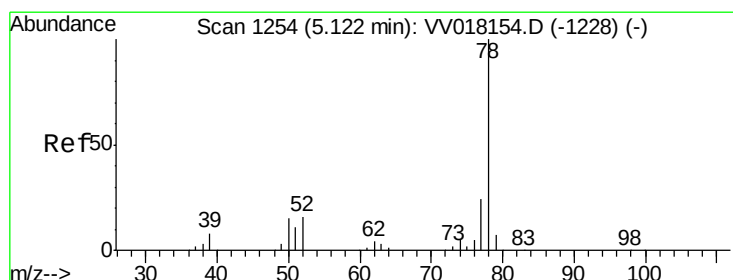
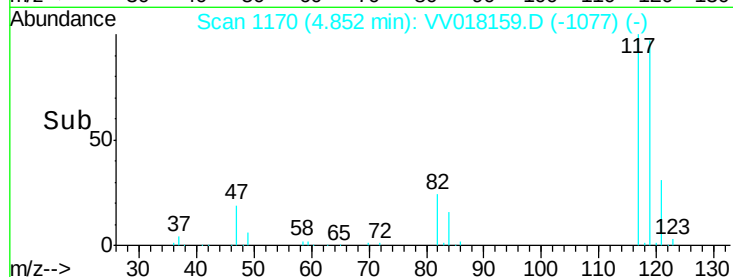
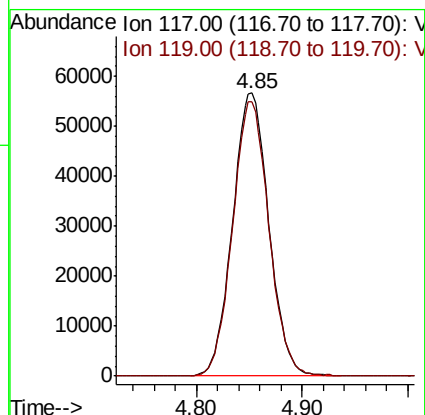
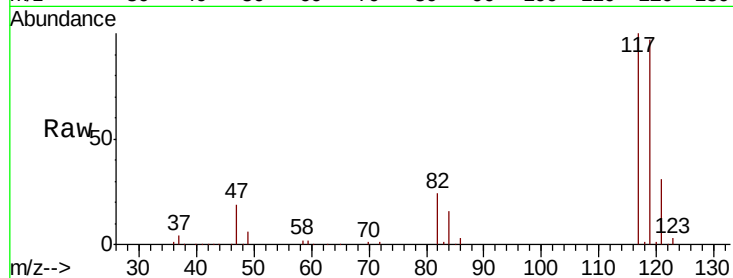
ClientSampleId :

Tot Ion:117 Resp: 135081

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.6



#33

Benzene

Concen: 48.708 ug/L

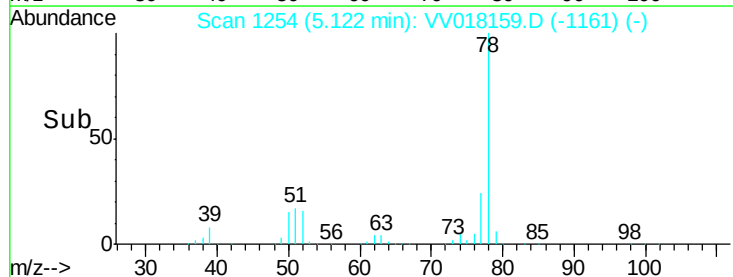
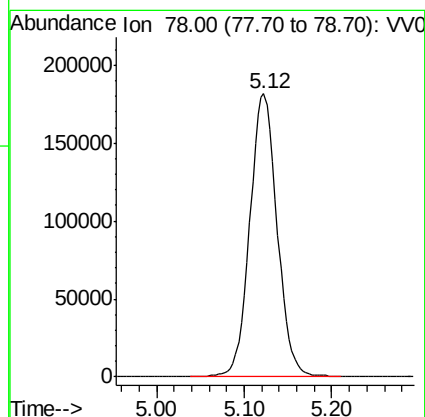
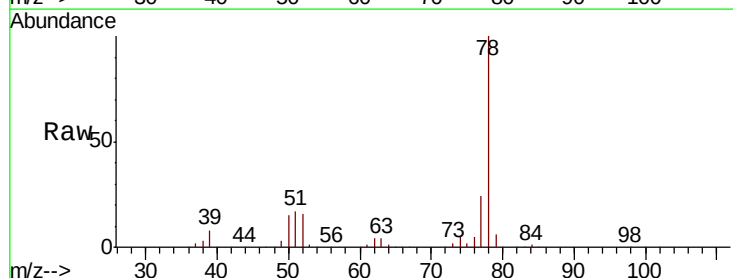
RT: 5.12 min Scan# 1254

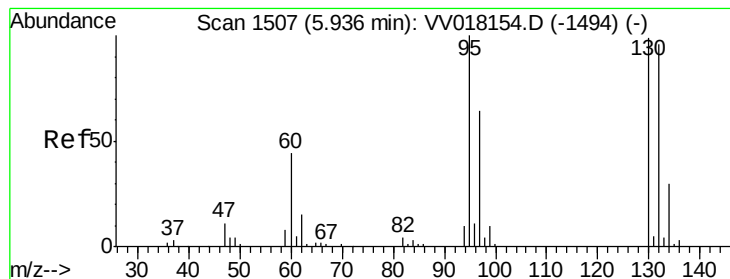
Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Tgt Ion: 78 Resp: 394139





#34

Trichloroethene

Concen: 48.377 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 103474

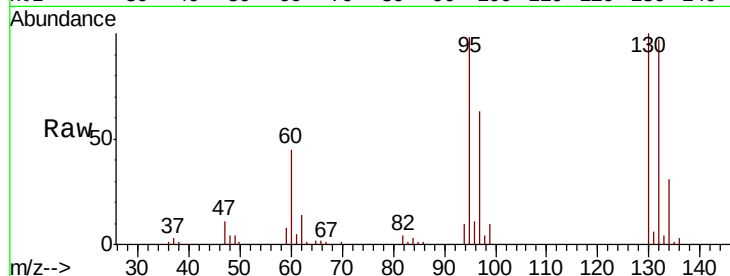
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 98.5 65.8 122.2

130 102.1 69.2 128.6



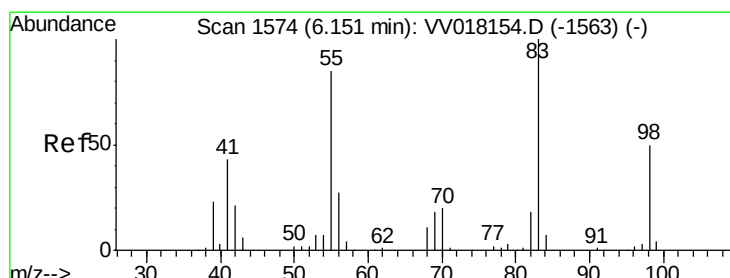
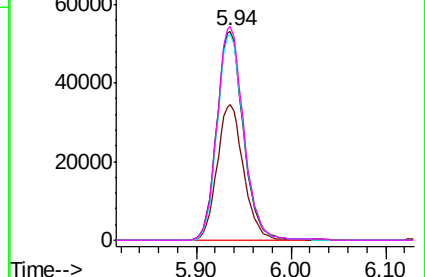
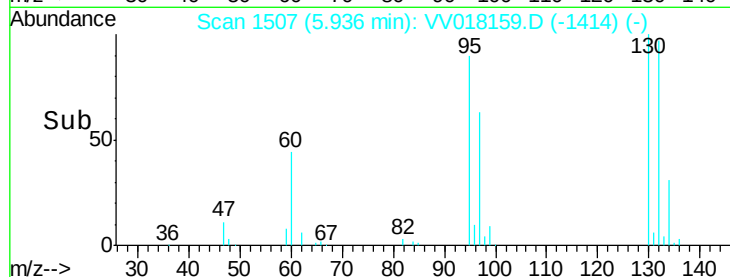
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.896 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

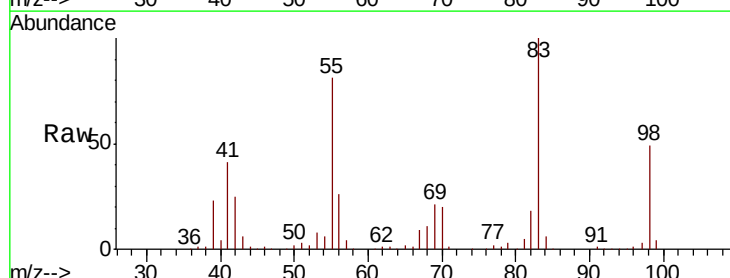
Tgt Ion: 83 Resp: 145971

Ion Ratio Lower Upper

83 100

55 80.1 64.9 97.3

98 48.6 38.7 58.1

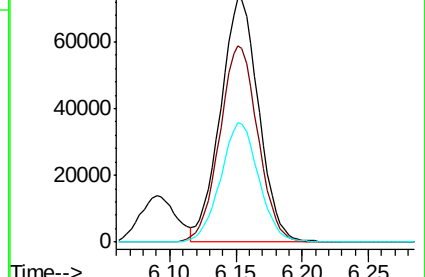
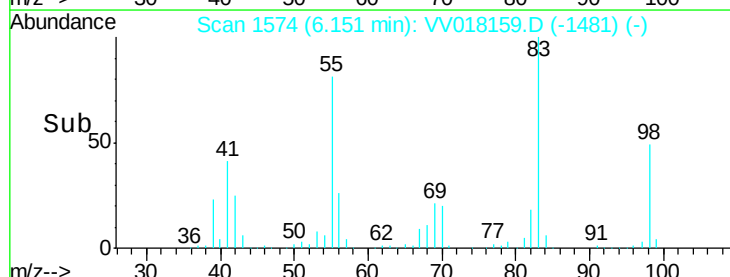


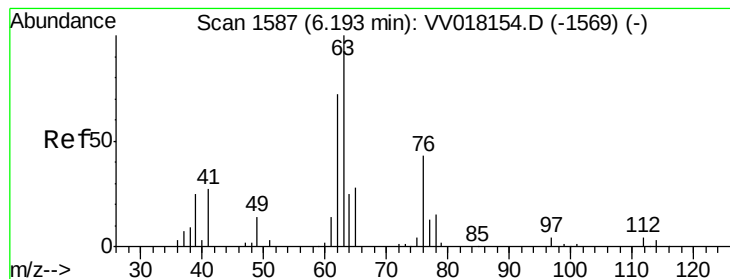
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.624 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

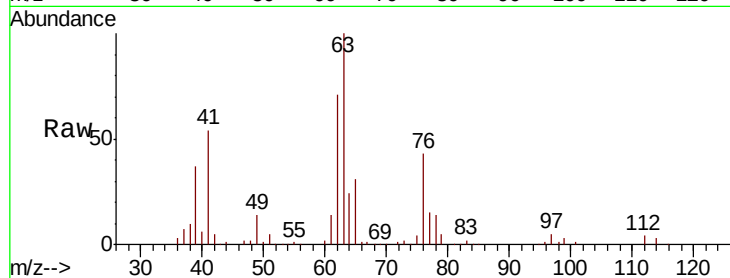
ClientSampleId :

Tot Ion: 63 Resp: 109507

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV018154.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018154.D (-1569) (-)

6.19

60000

50000

40000

30000

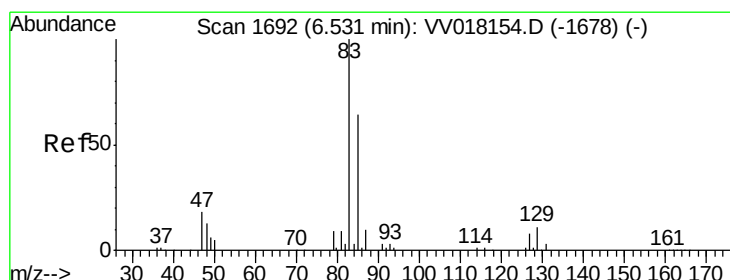
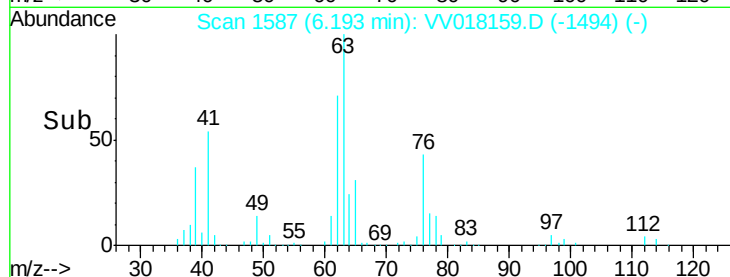
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 51.530 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

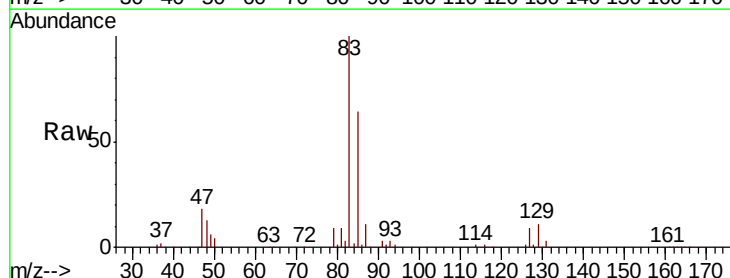
Tgt Ion: 83 Resp: 141244

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

127 8.9 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV018154.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV018154.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV018154.D (-1678) (-)

6.53

100000

80000

60000

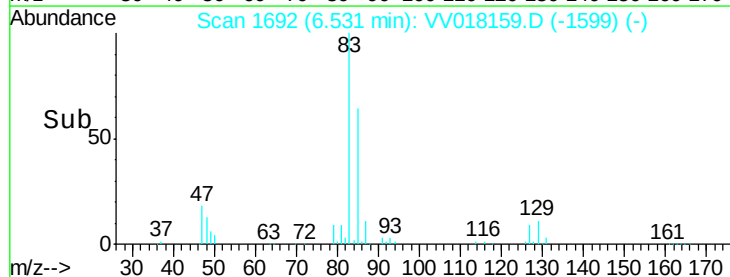
40000

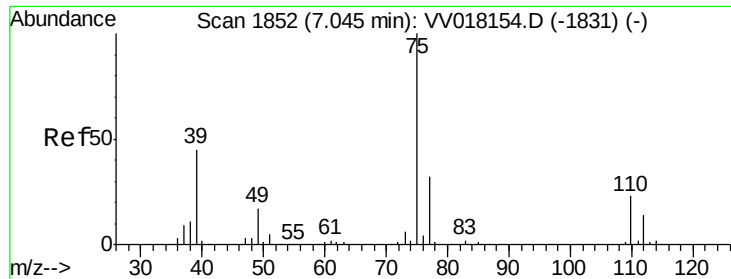
20000

0

6.45 6.50 6.55 6.60

Time-->

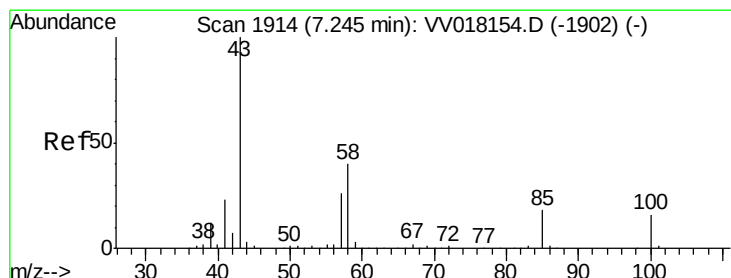
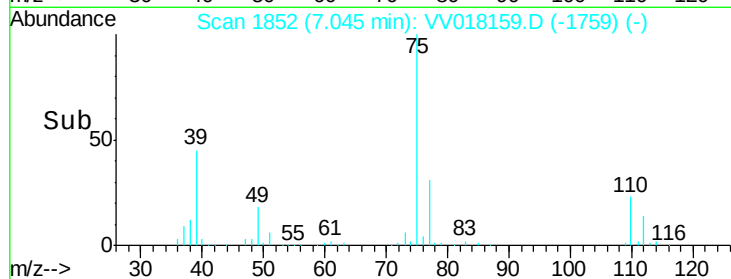
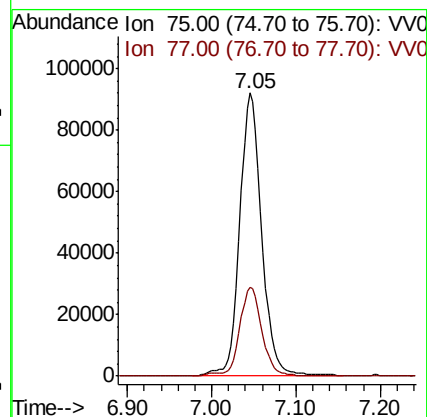
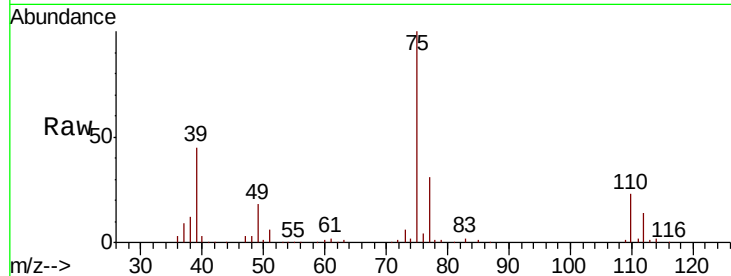




#39
 cis-1,3-Dichloropropene
 Concen: 53.603 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

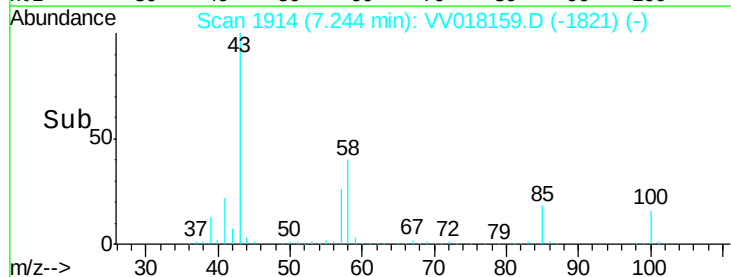
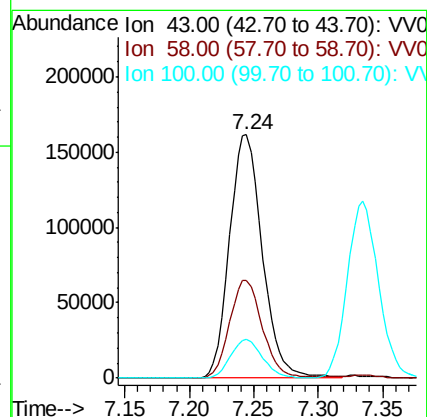
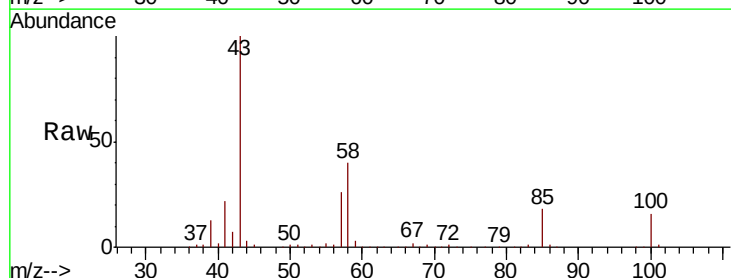
Instrument :
 MSVOA_V
 ClientSampled :

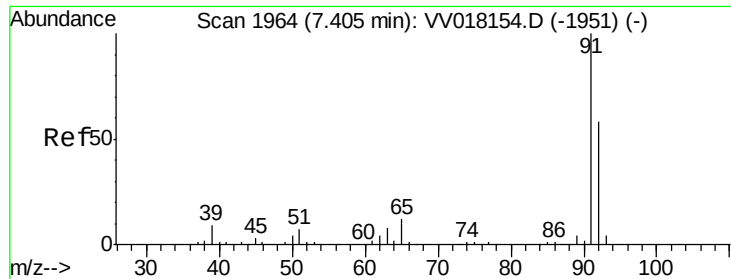
Tot Ion: 75 Resp: 167689
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.439 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Tgt Ion: 43 Resp: 286860
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 15.5 12.2 18.2





#42

Toluene

Concen: 49.998 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

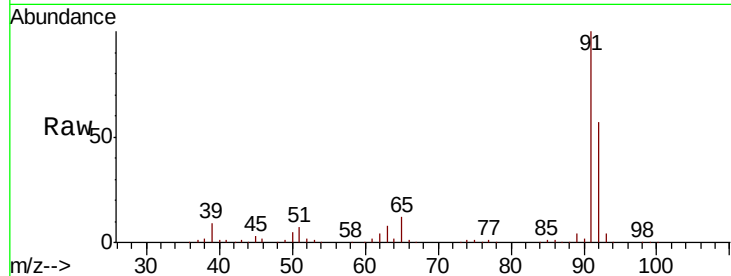
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 422170

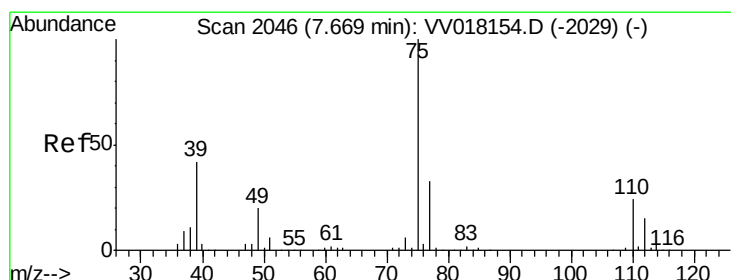
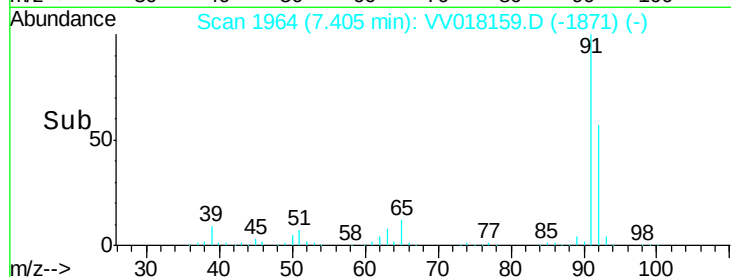
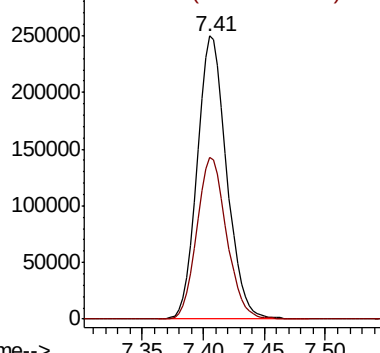
Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 55.571 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018159.D

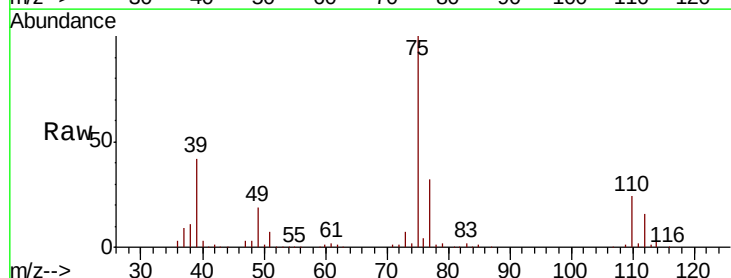
Acq: 04 Sep 2020 15:16

Tgt Ion: 75 Resp: 164945

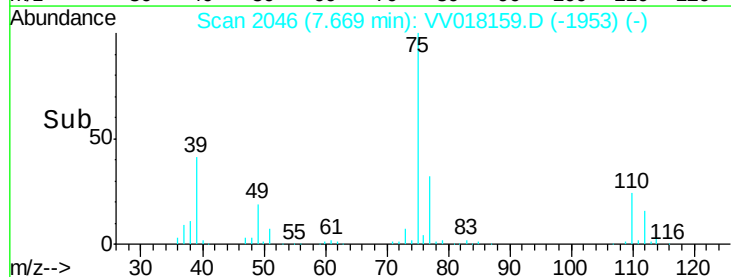
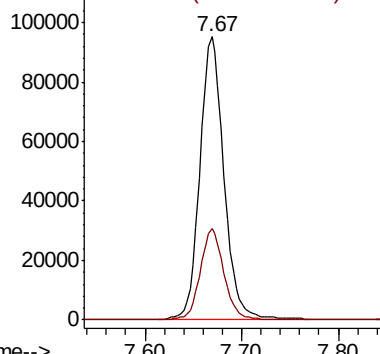
Ion Ratio Lower Upper

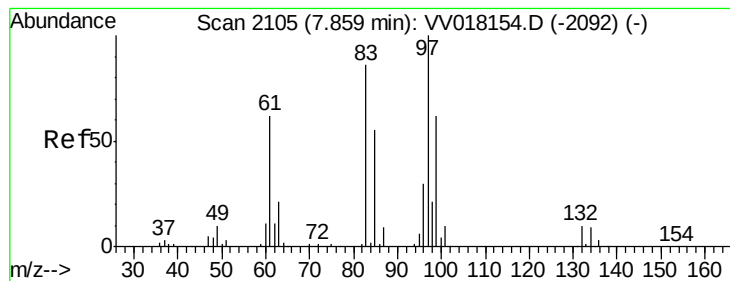
75 100

77 32.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 50.617 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 103442

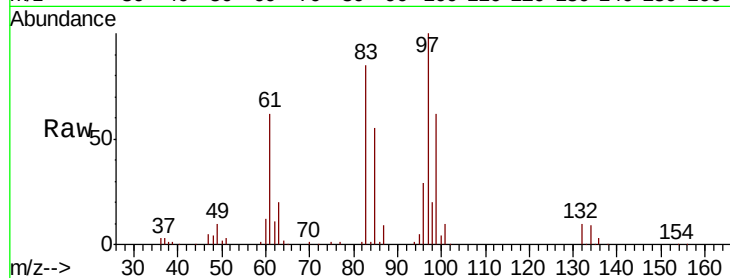
Ion Ratio Lower Upper

97 100

99 61.6 44.2 82.2

83 85.3 61.0 113.4

85 54.9 39.5 73.4

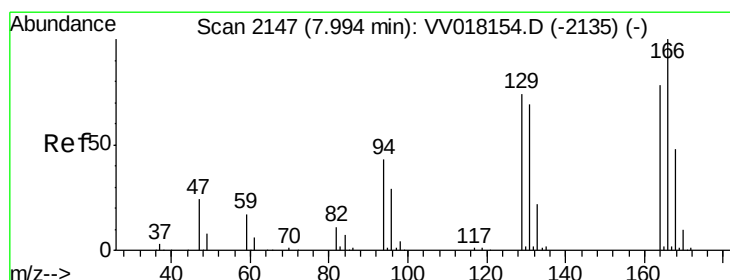
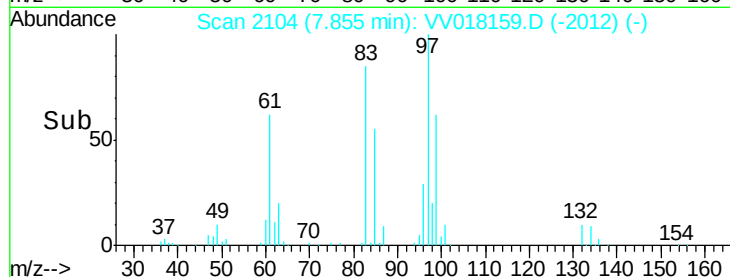
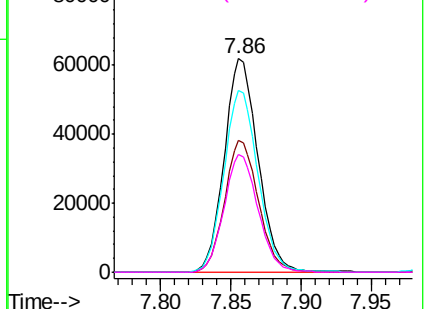


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.766 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Tgt Ion: 164 Resp: 79635

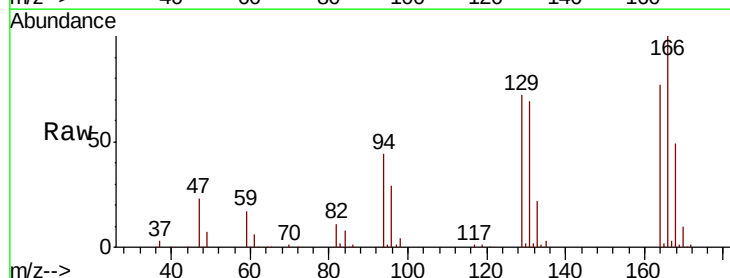
Ion Ratio Lower Upper

164 100

129 92.7 64.8 120.3

131 89.2 64.5 119.9

166 129.3 88.9 165.1

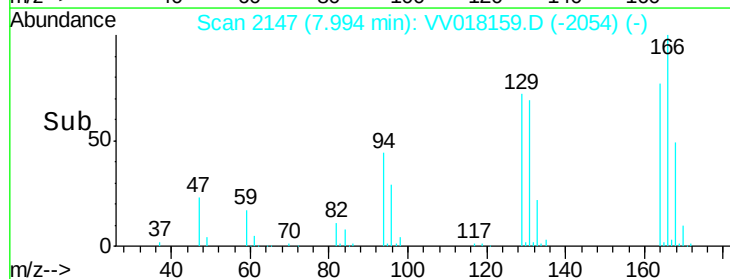
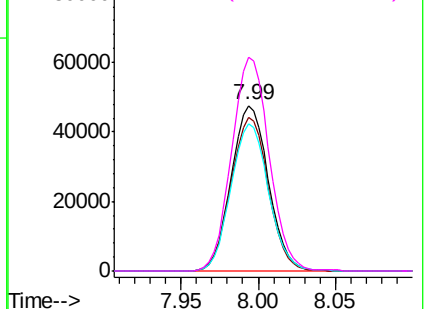


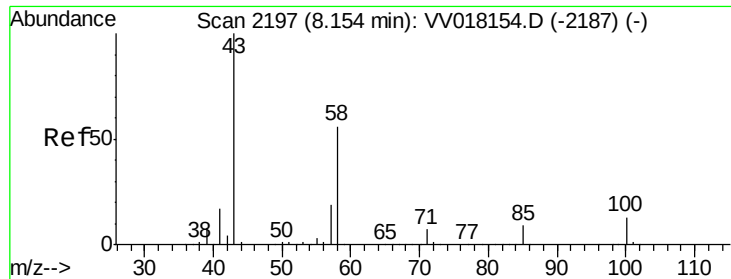
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

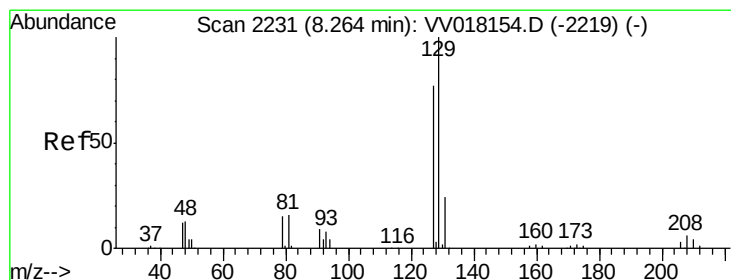
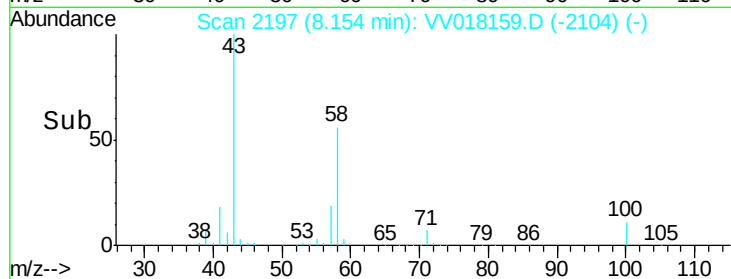
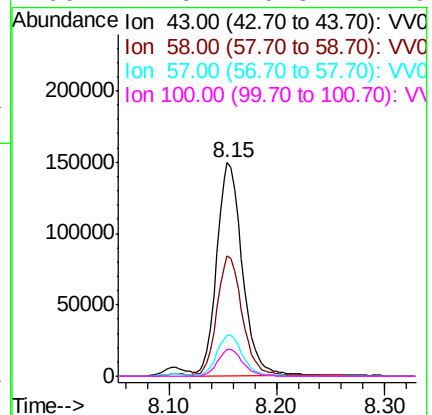
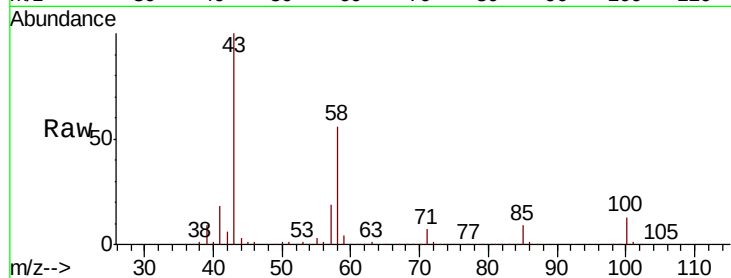




#48
2-Hexanone
Concen: 105.832 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

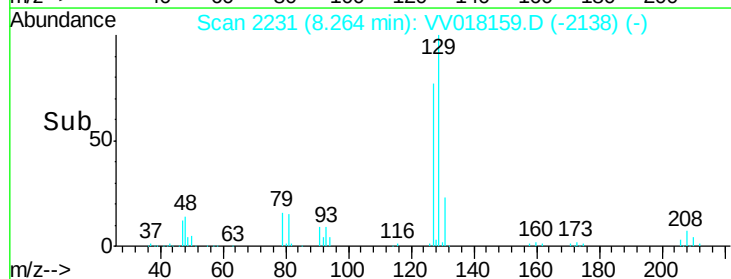
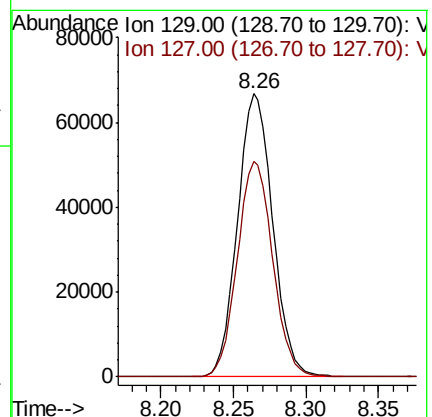
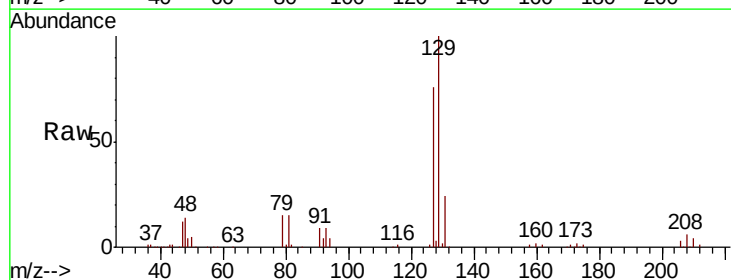
Instrument :
MSVOA_V
ClientSampled :

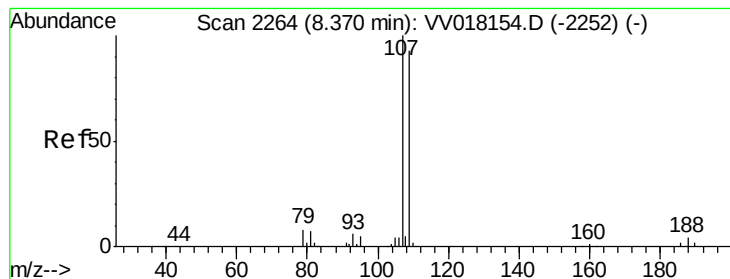
Tot Ion: 43 Resp: 246192
Ion Ratio Lower Upper
43 100
58 55.4 44.4 66.6
57 18.9 15.2 22.8
100 12.5 9.8 14.6



#49
Dibromochloromethane
Concen: 56.491 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

Tgt Ion: 129 Resp: 112684
Ion Ratio Lower Upper
129 100
127 76.3 54.9 101.9

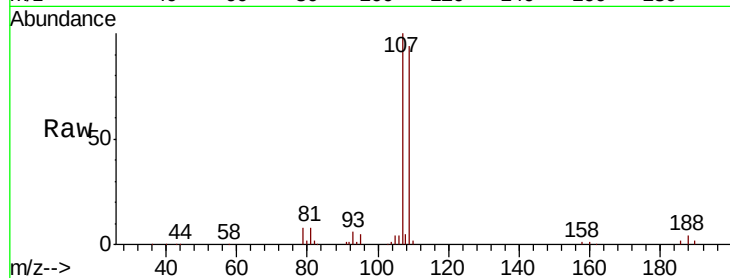




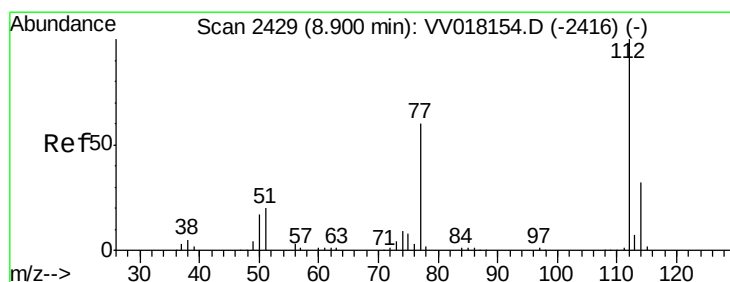
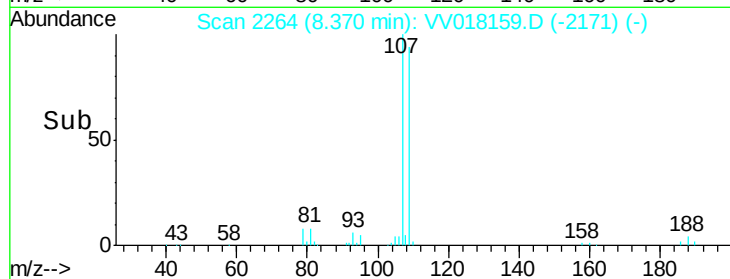
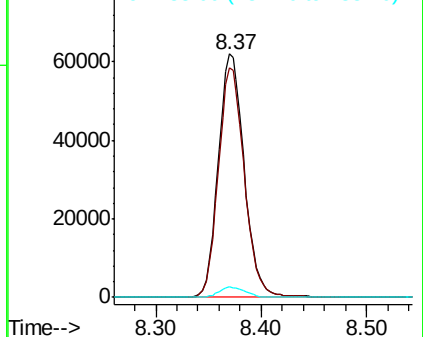
#50
 1,2-Dibromoethane
 Concen: 49.916 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	67.5	125.4
188	4.3	3.4	5.0

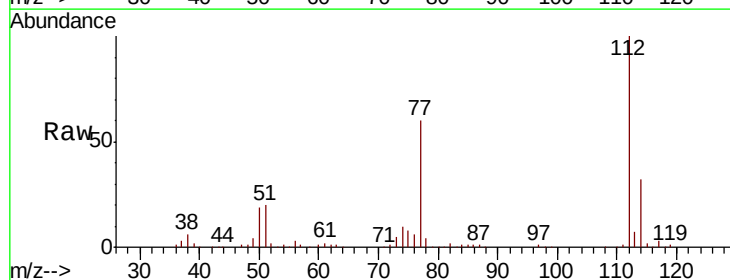


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

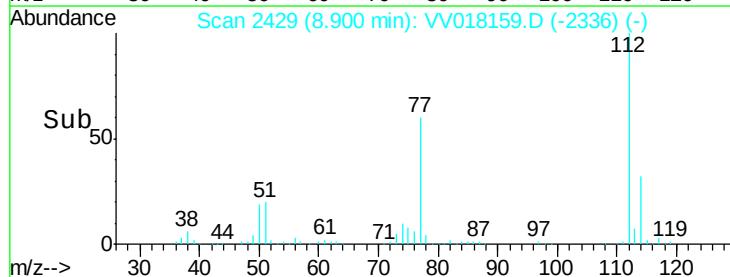
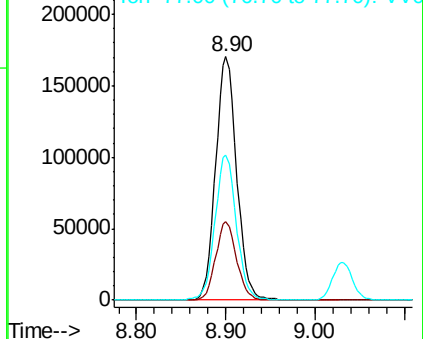


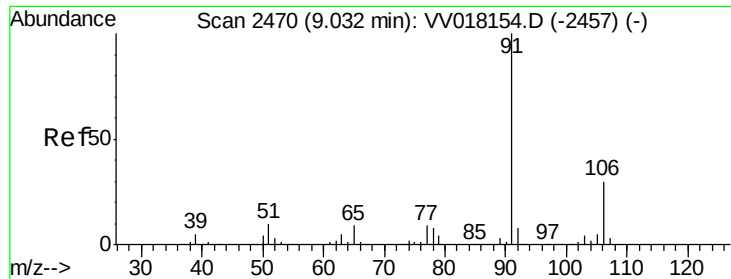
#51
 Chlorobenzene
 Concen: 51.206 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	59.6	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 51.205 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

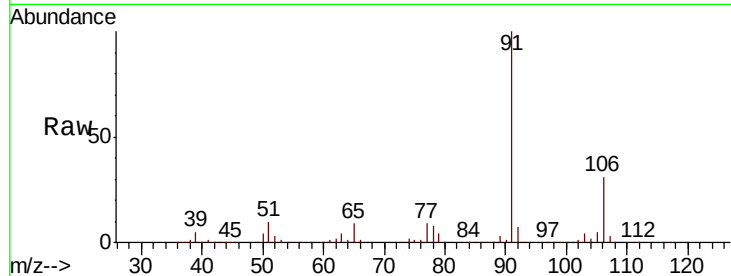
ClientSampleId :

Tot Ion: 91 Resp: 471421

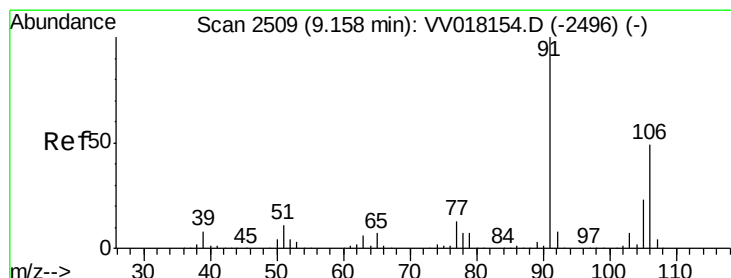
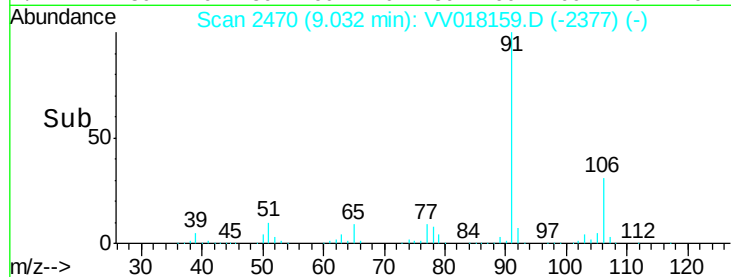
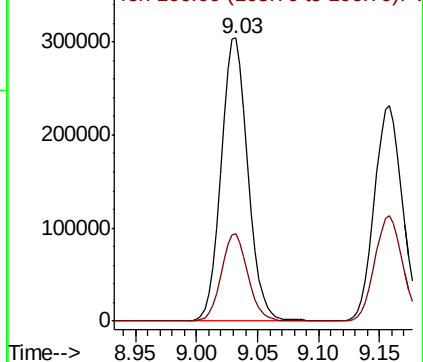
Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018159.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.822 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018159.D

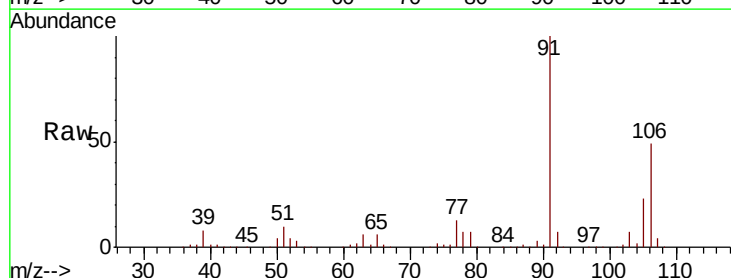
Acq: 04 Sep 2020 15:16

Tgt Ion: 106 Resp: 178866

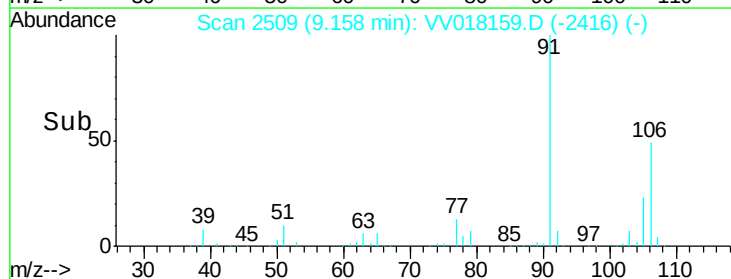
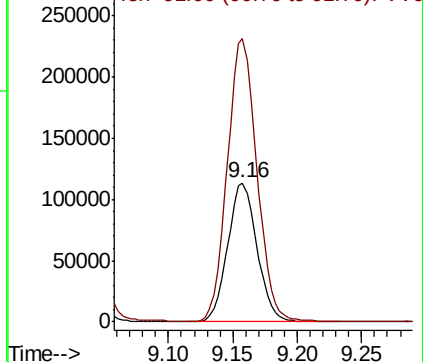
Ion Ratio Lower Upper

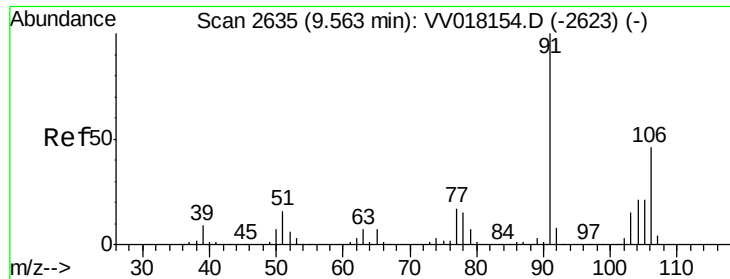
106 100

91 204.0 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018159.D (-2416) (-)

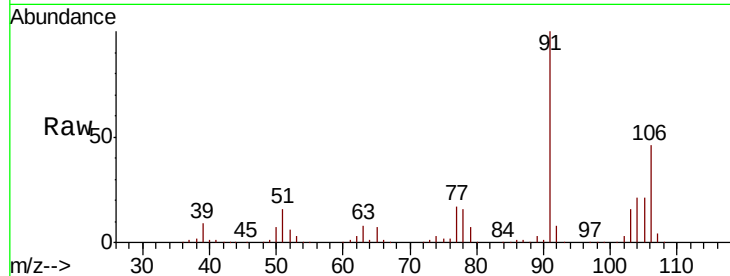




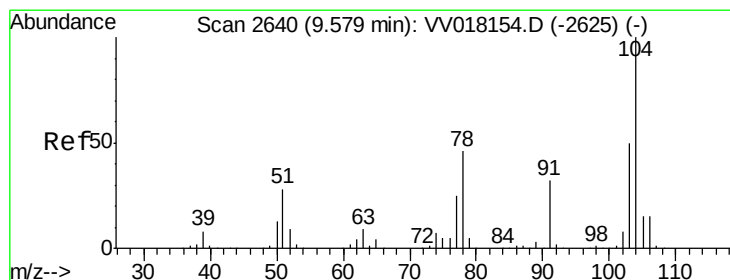
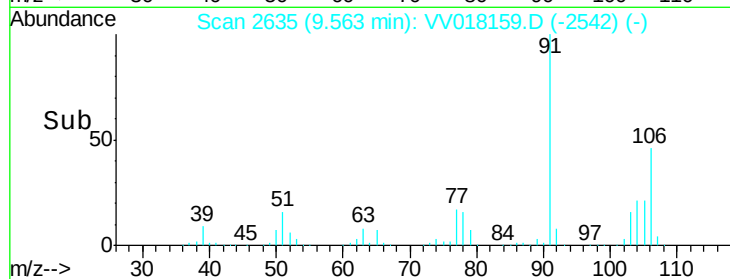
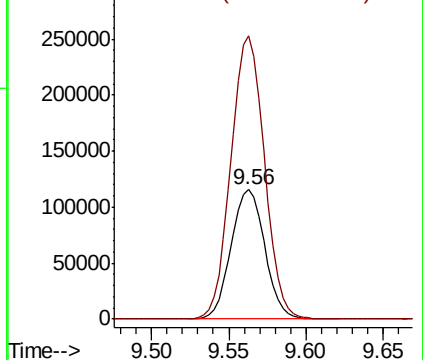
#54
o-xylene
Concen: 52.299 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 175009
Ion Ratio Lower Upper
106 100
91 218.3 156.0 289.8

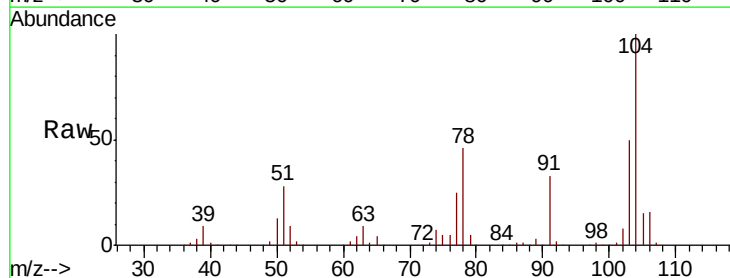


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

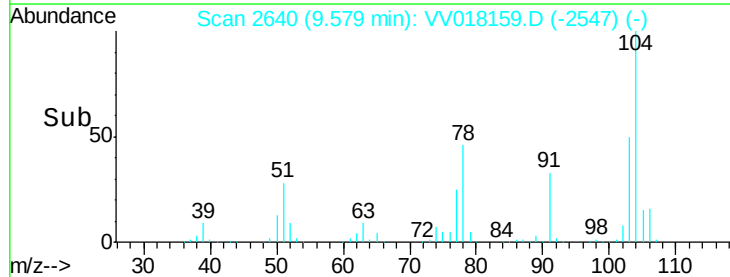
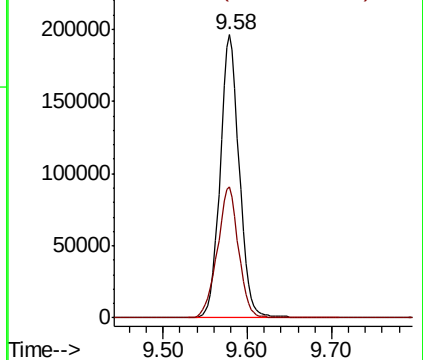


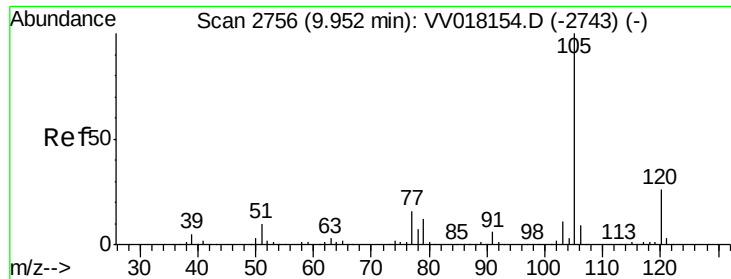
#55
Styrene
Concen: 54.052 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018159.D
Acq: 04 Sep 2020 15:16

Tgt Ion:104 Resp: 309749
Ion Ratio Lower Upper
104 100
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.416 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

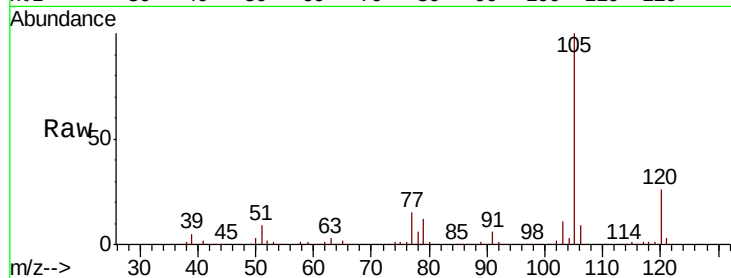
Tot Ion:105 Resp: 471552

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

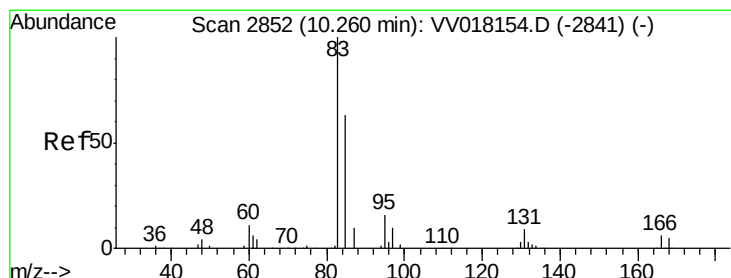
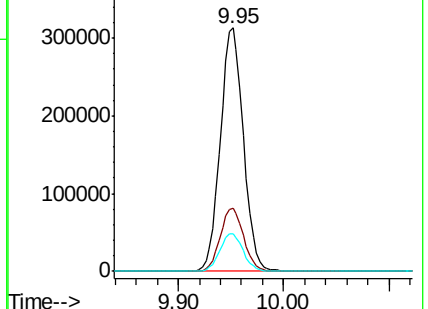
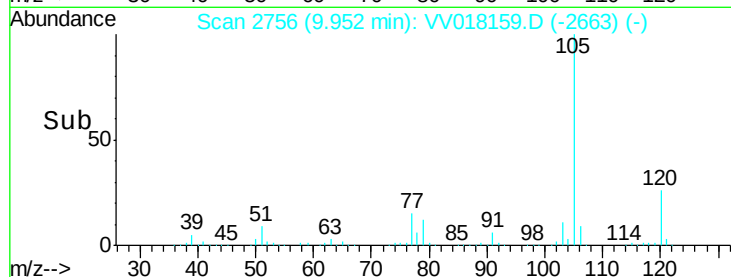
77 15.7 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.375 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

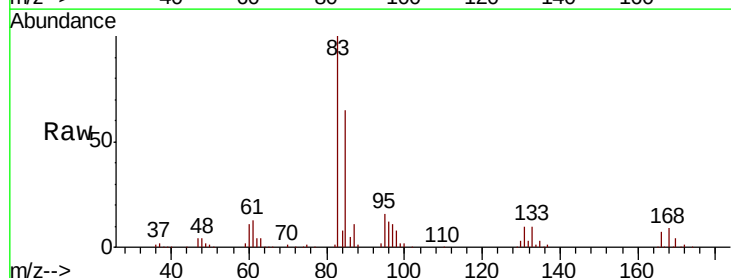
Tgt Ion: 83 Resp: 157127

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

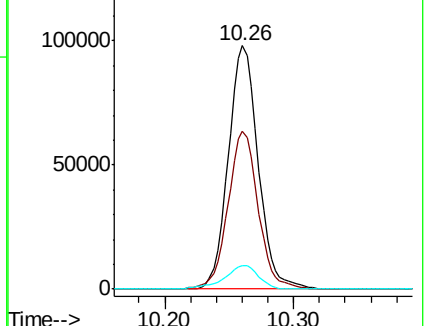
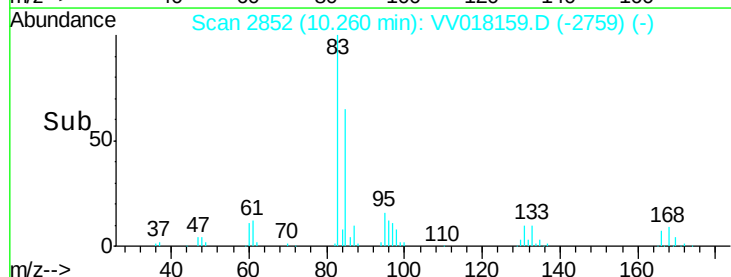
131 9.8 7.8 11.6

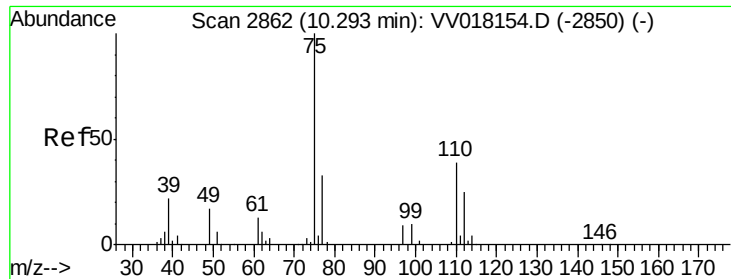


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.010 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

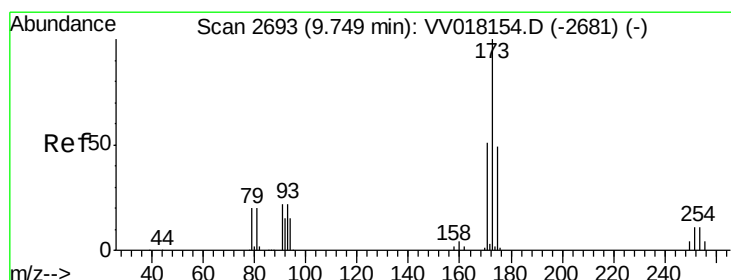
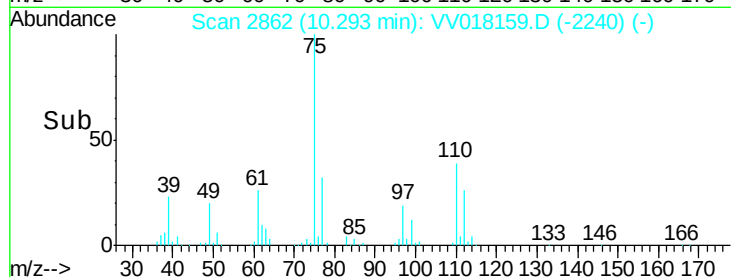
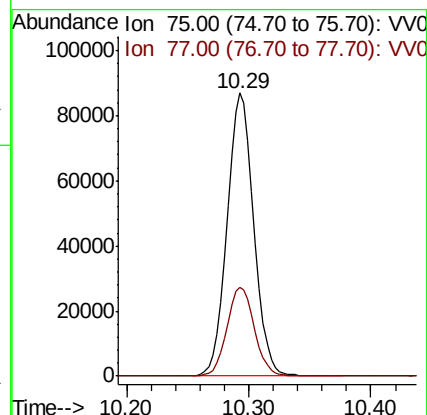
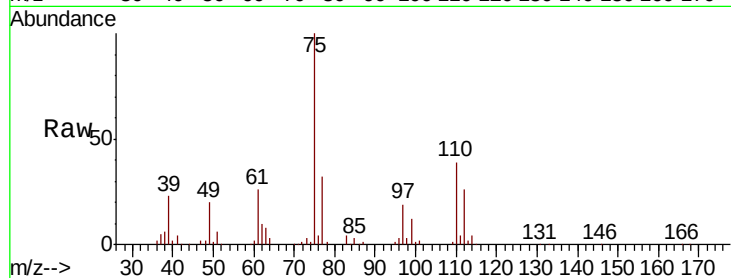
ClientSampled :

Tot Ion: 75 Resp: 133568

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 60.077 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

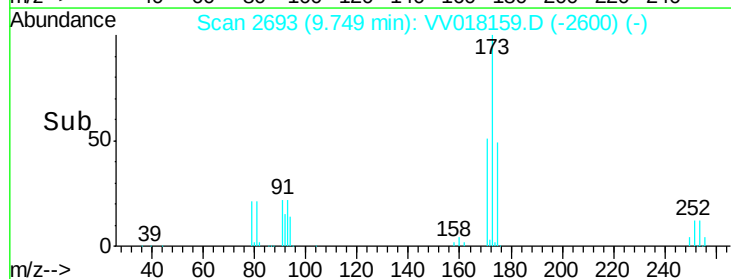
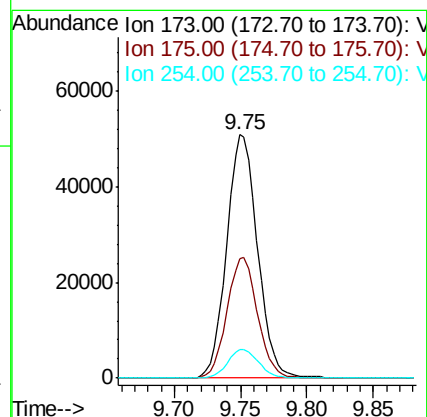
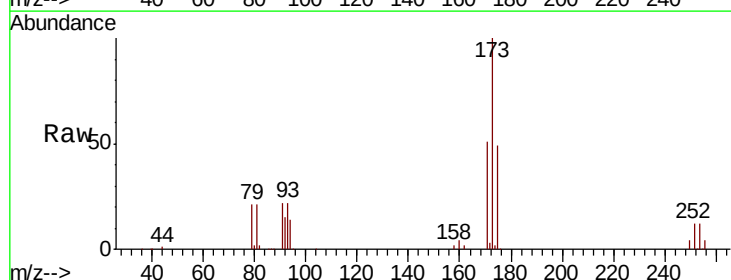
Tgt Ion: 173 Resp: 82274

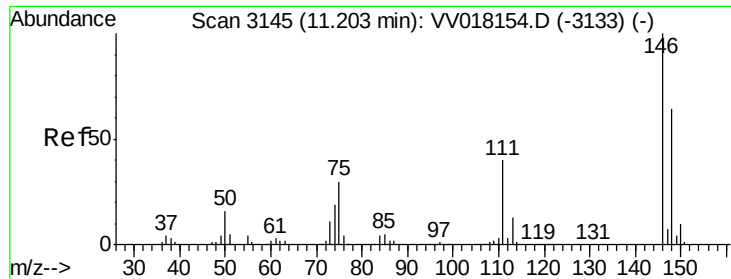
Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 11.8 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 50.963 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

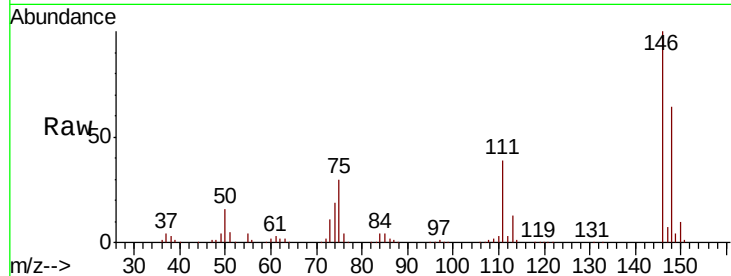
Tot Ion:146 Resp: 234555

Ion Ratio Lower Upper

146 100

111 39.5 28.8 53.4

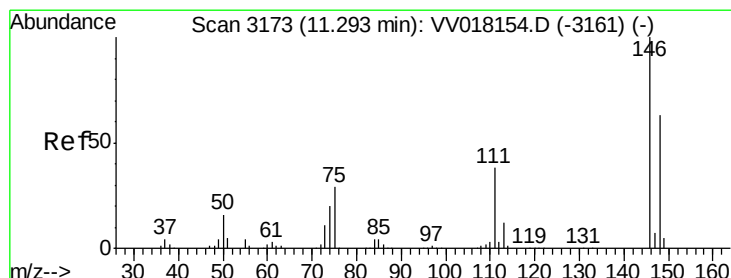
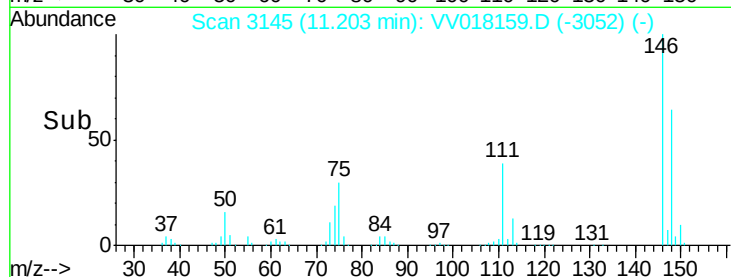
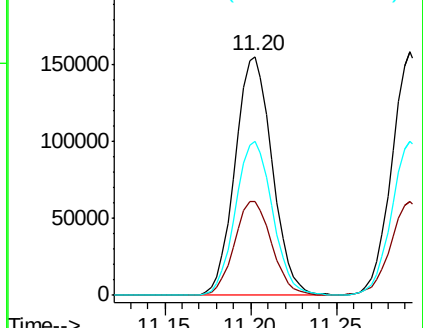
148 64.4 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.794 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

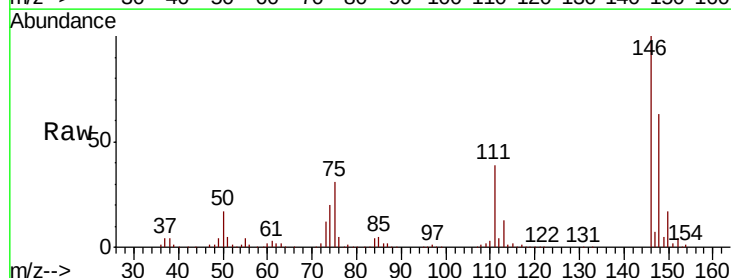
Tgt Ion:146 Resp: 240158

Ion Ratio Lower Upper

146 100

111 38.7 28.0 52.0

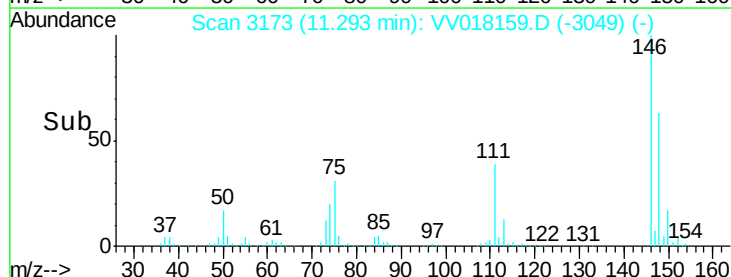
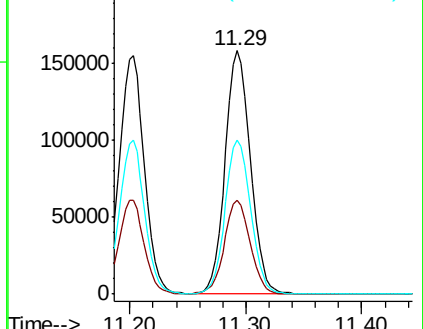
148 63.5 44.2 82.2

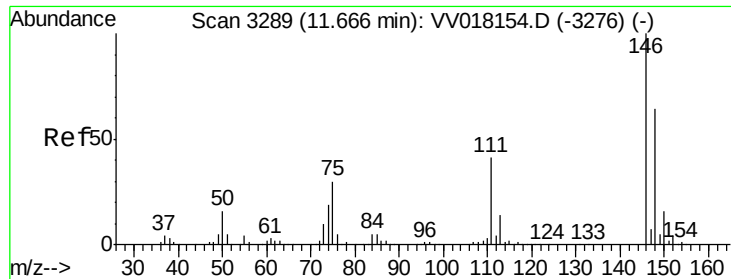


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

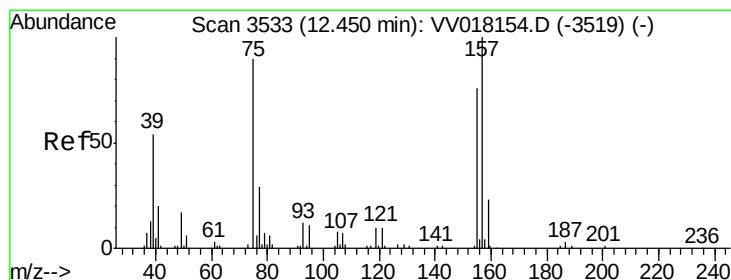
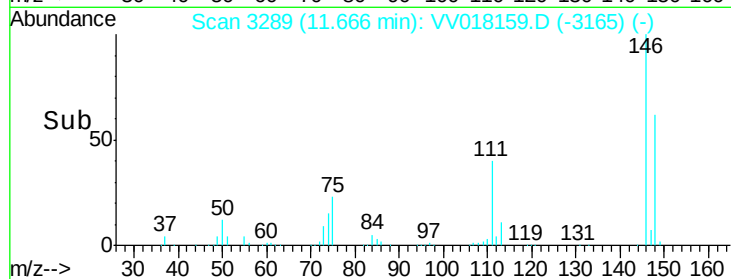
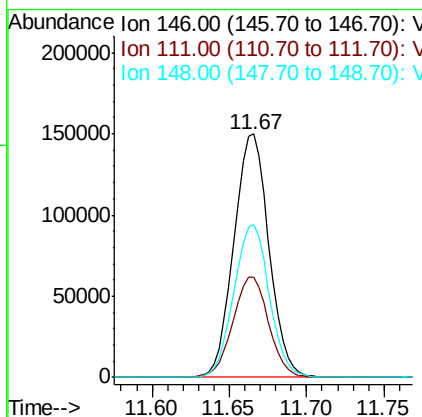
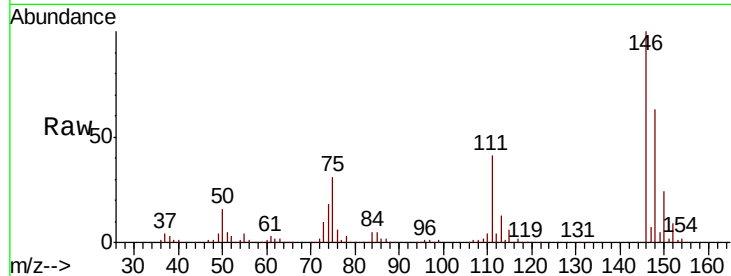




#65
 1,2-Dichlorobenzene
 Concen: 49.850 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

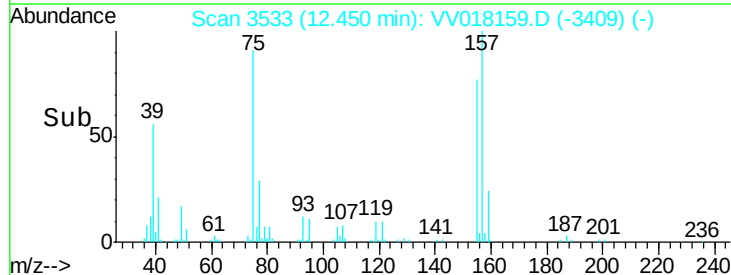
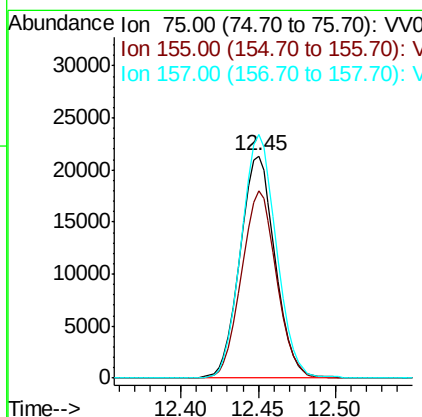
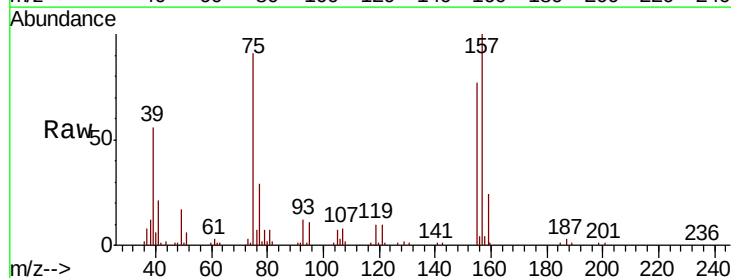
Instrument :
 MSVOA_V
 ClientSampleId :

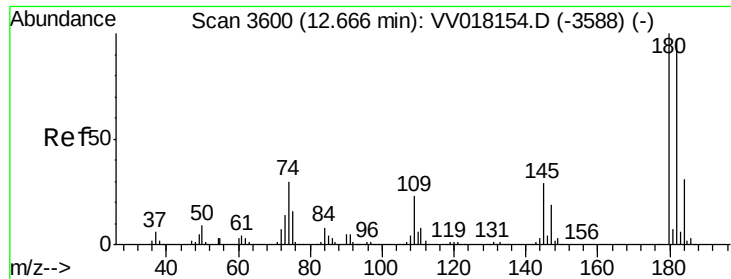
Tot Ion:146 Resp: 236148
 Ion Ratio Lower Upper
 146 100
 111 41.2 34.2 51.4
 148 62.7 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.240 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Tgt Ion: 75 Resp: 33670
 Ion Ratio Lower Upper
 75 100
 155 84.0 67.6 101.4
 157 109.5 84.3 126.5

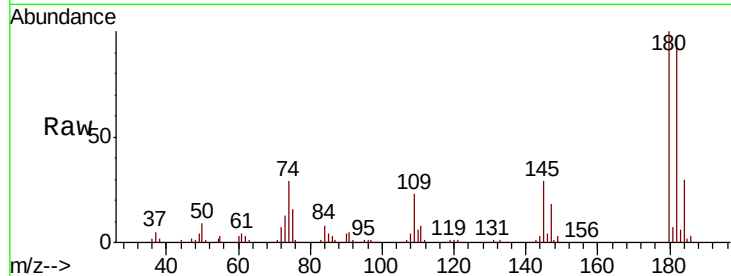




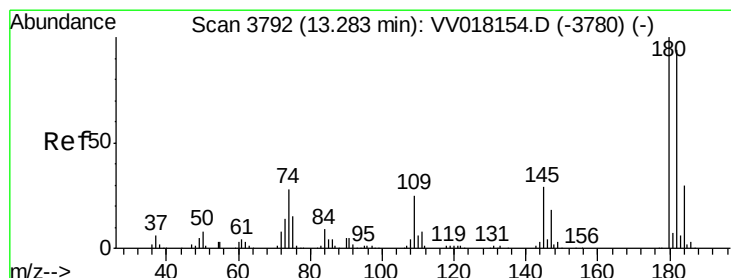
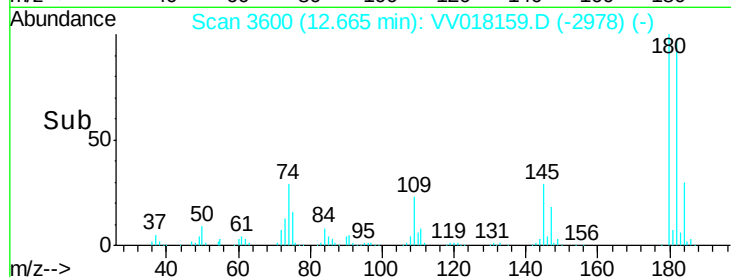
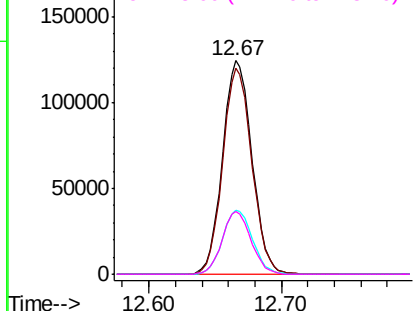
#67
 1,3,5-Trichlorobenzene
 Concen: 54.808 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	191625
Ion Ratio	Lower	Upper
180	100	
182	95.4	77.2 115.8
184	30.3	24.6 36.8
145	28.8	23.5 35.3

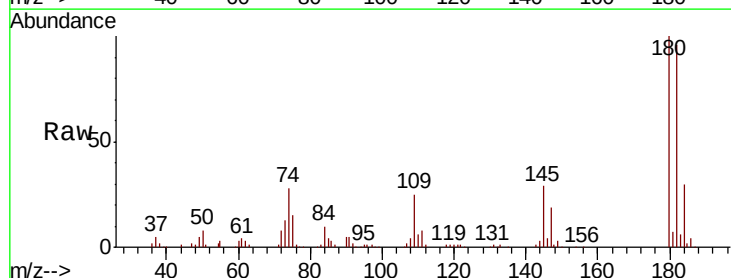


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

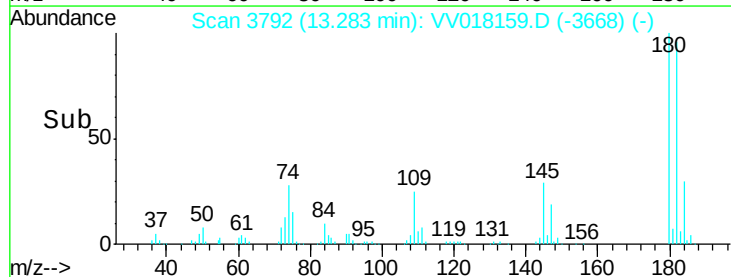
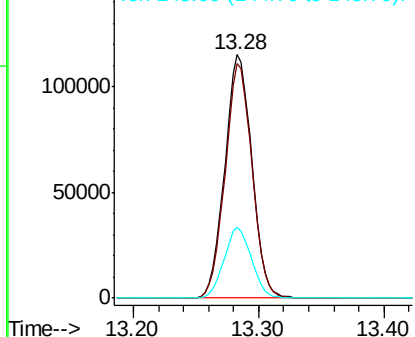


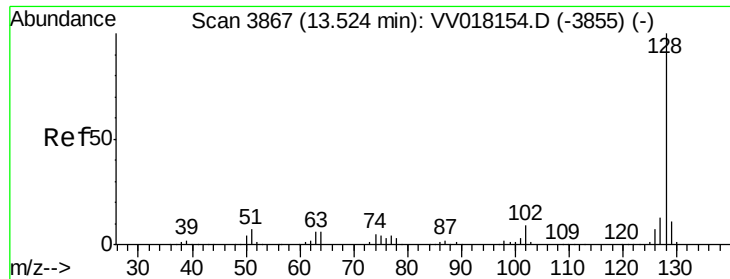
#68
 1,2,4-trichlorobenzene
 Concen: 56.082 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018159.D
 Acq: 04 Sep 2020 15:16

Tgt Ion:180	Resp:	172390
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.4 114.6
145	29.2	24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.231 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

Instrument :

MSVOA_V

ClientSampleId :

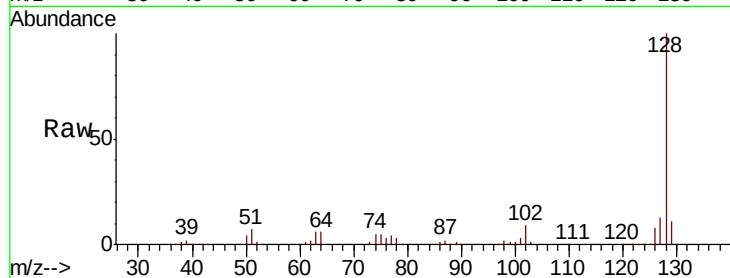
Tot Ion:128 Resp: 442523

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

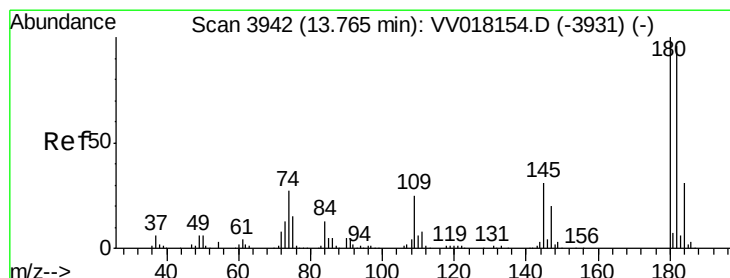
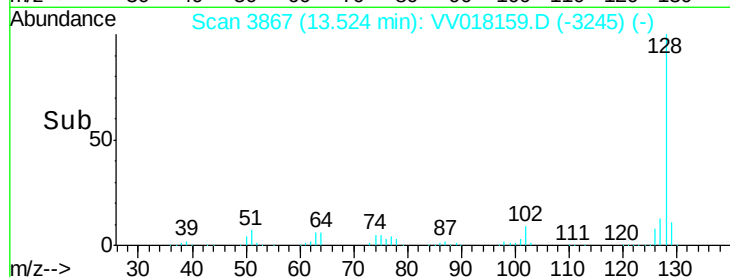
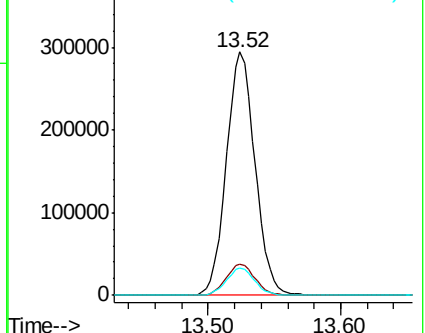
129 11.0 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 54.893 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018159.D

Acq: 04 Sep 2020 15:16

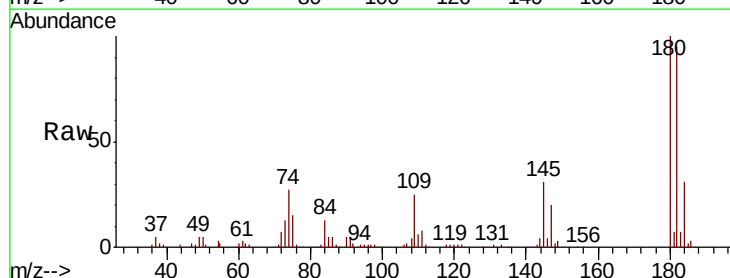
Tgt Ion:180 Resp: 171597

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 31.2 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

