

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018151.D
 Acq On : 03 Sep 2020 12:43
 Operator : SY/MD
 Sample : K4649-08MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Quant Time: Sep 04 02:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	265766	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	260556	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	144871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72244	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.46%
7) Chloroethane-d5	1.58	69	69027	66.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	133.88%#
11) 1,1-Dichloroethene-d2	2.13	63	160528	63.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	127.48%#
21) 2-Butanone-d5	3.92	46	140748	132.97	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.97%#
24) Chloroform-d	4.38	84	172509	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.06	65	109955	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	5.08	84	321066	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
36) 1,2-Dichloropropane-d6	6.09	67	108296	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.72%
41) Toluene-d8	7.34	98	295341	40.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.70%
43) trans-1,3-Dichloropropene-	7.64	79	53422	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.52%
47) 2-Hexanone-d5	8.11	63	82104	91.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.02%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	154709	50.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.08%
66) 1,2-Dichlorobenzene-d4	11.65	152	133777	39.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.52%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	83750	44.616	ug/L	98
3) Chloromethane	1.25	50	98147	73.635	ug/L	98
5) Vinyl chloride	1.32	62	103106	80.141	ug/L	99
6) Bromomethane	1.53	94	64868	86.847	ug/L	99
8) Chloroethane	1.60	64	69719	103.472	ug/L	100
9) Trichlorofluoromethane	1.77	101	152367	72.840	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89250	87.037	ug/L	91
12) 1,1-Dichloroethene	2.13	96	84352	87.359	ug/L	94
13) Acetone	2.20	43	130661	181.042	ug/L	95
14) Carbon disulfide	2.31	76	204132	62.560	ug/L	99
15) Methyl Acetate	2.45	43	110804	87.746	ug/L	91
16) Methylene chloride	2.52	84	102651	70.067	ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	87720	64.337	ug/L	91
18) Methyl tert-butyl Ether	2.78	73	317294	67.726	ug/L	97
19) 1,1-Dichloroethane	3.21	63	183147	73.659	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	103179	64.248	ug/L	84
22) 2-Butanone	4.00	43	166789	179.320	ug/L	90

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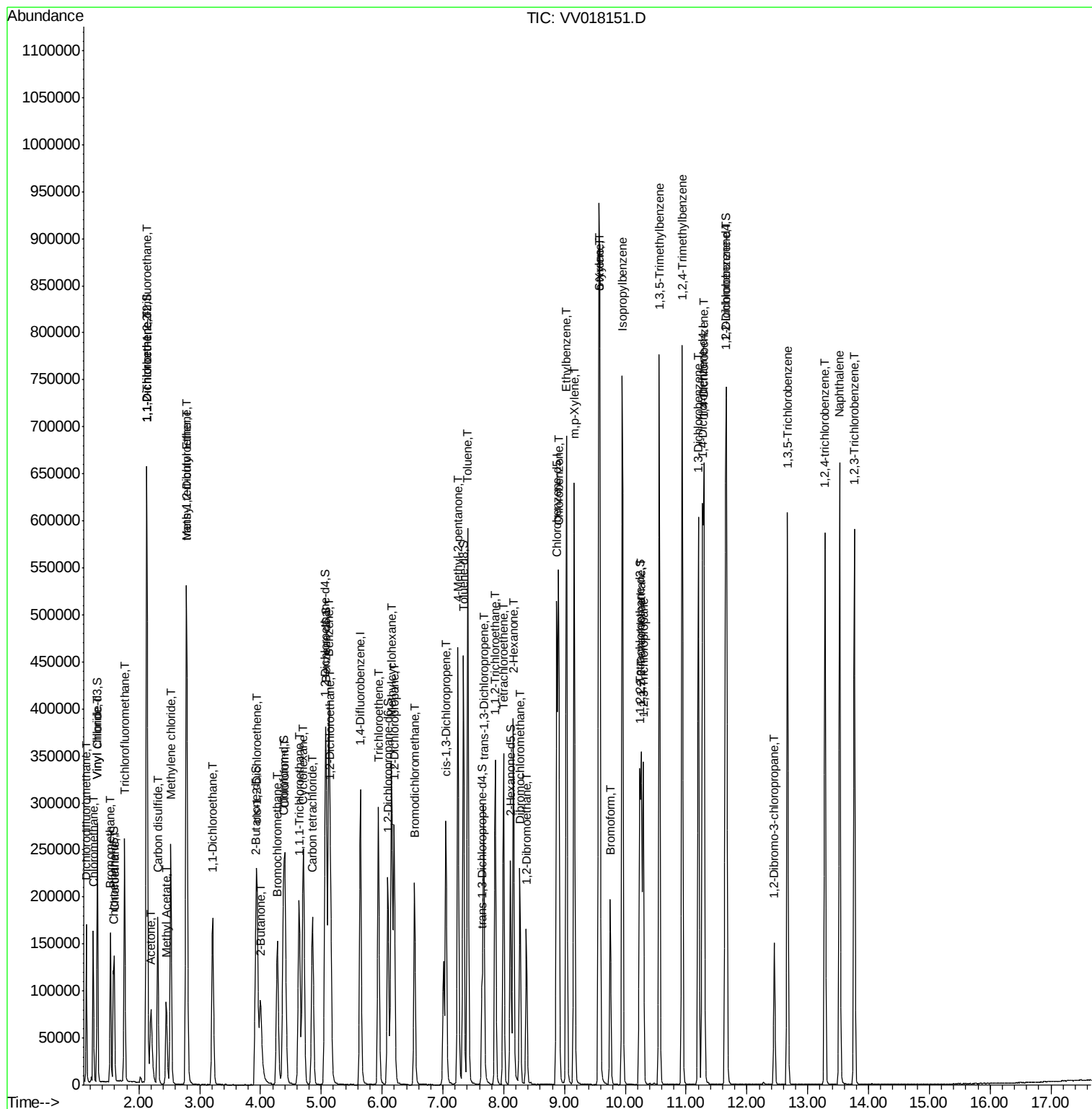
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53995	61.144	ug/L	# 79
25) Chloroform	4.40	83	189945	67.395	ug/L	98
27) 1,2-Dichloroethane	5.15	62	147743	67.447	ug/L	100
29) Cyclohexane	4.70	56	139984	64.250	ug/L	91
30) 1,1,1-Trichloroethane	4.64	97	160942	58.148	ug/L	97
31) Carbon tetrachloride	4.86	117	135254	52.675	ug/L	97
33) Benzene	5.13	78	391084	65.204	ug/L	100
34) Trichloroethene	5.94	95	103330	61.982	ug/L	93
35) Methylcyclohexane	6.15	83	141583	57.060	ug/L	93
37) 1,2-Dichloropropane	6.20	63	111242	76.040	ug/L	98
38) Bromodichloromethane	6.53	83	145041	63.022	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	169848	65.852	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	300650	159.676	ug/L	96
42) Toluene	7.41	91	424856	63.749	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	167653	68.858	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	104005	65.951	ug/L	96
46) Tetrachloroethene	8.00	164	79978	51.490	ug/L	98
48) 2-Hexanone	8.16	43	242902	171.114	ug/L	97
49) Dibromochloromethane	8.27	129	115461	56.421	ug/L	99
50) 1,2-Dibromoethane	8.37	107	108359	62.131	ug/L	97
51) Chlorobenzene	8.90	112	280654	62.460	ug/L	97
52) Ethylbenzene	9.03	91	470241	62.884	ug/L	97
53) m,p-Xylene	9.16	106	174607	60.528	ug/L	99
54) o-Xylene	9.57	106	173345	60.556	ug/L	97
55) Styrene	9.58	104	310780	64.448	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	164997	68.037	ug/L	99
59) Bromoform	9.75	173	86606	50.965	ug/L	99
60) Isopropylbenzene	9.95	105	469122	59.153	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	138532	70.420	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	394690	57.568	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	407392	60.205	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	234929	58.710	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	241325	59.665	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	238711	58.468	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36105	55.689	ug/L	86
69) 1,3,5-Trichlorobenzene	12.67	180	187093	57.678	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	175580	62.427	ug/L	99
71) Naphthalene	13.52	128	491813	68.994	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	179281	63.342	ug/L	98

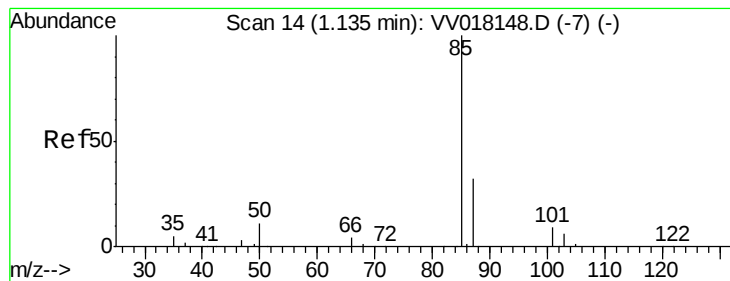
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 5      Sample Multiplier: 1
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QLast Update : Fri Sep 04 02:12:05 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 44.616 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

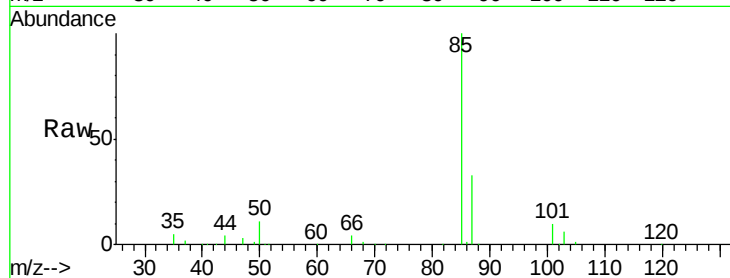
A5169MSD

Tot Ion: 85 Resp: 83750

Ion Ratio Lower Upper

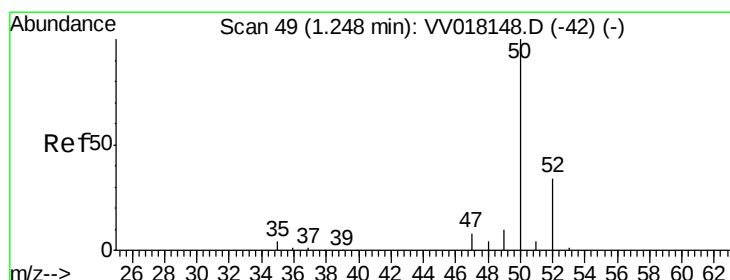
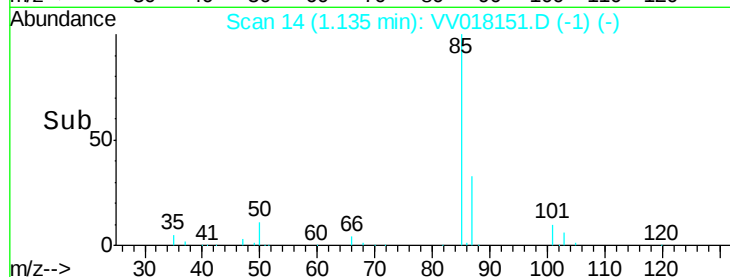
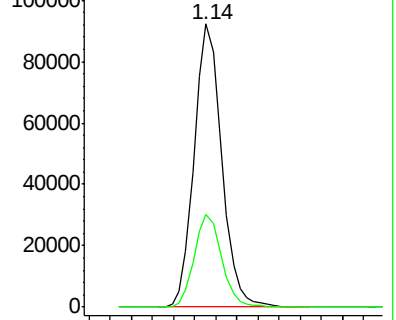
85 100

87 32.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 73.635 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018151.D

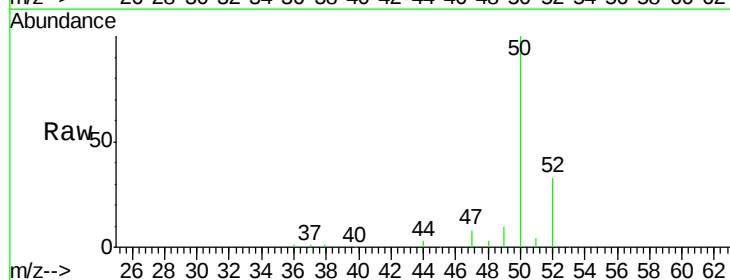
Acq: 03 Sep 2020 12:43

Tgt Ion: 50 Resp: 98147

Ion Ratio Lower Upper

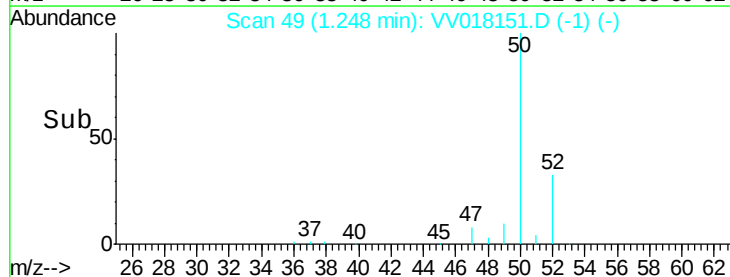
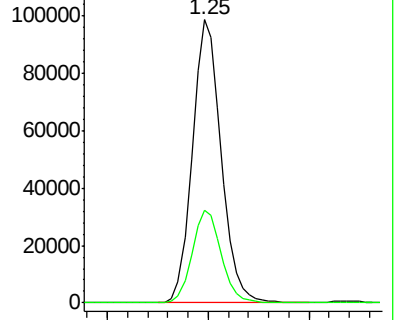
50 100

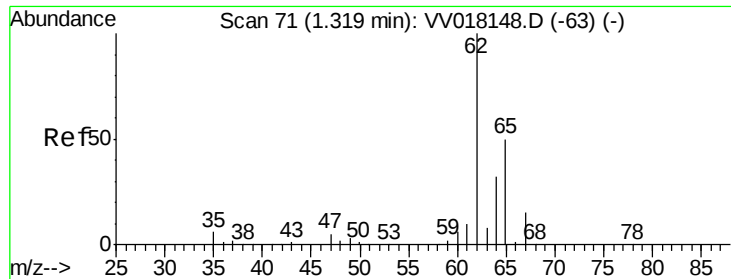
52 32.8 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 80.141 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

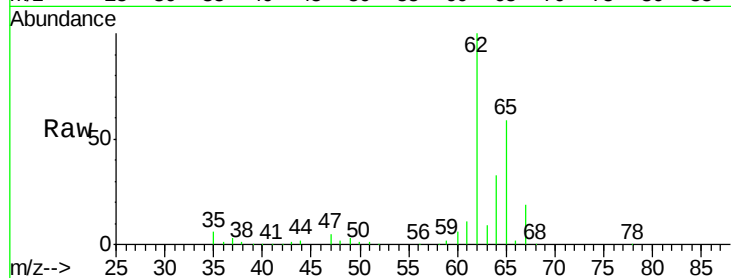
A5169MSD

Tot Ion: 62 Resp: 103106

Ion Ratio Lower Upper

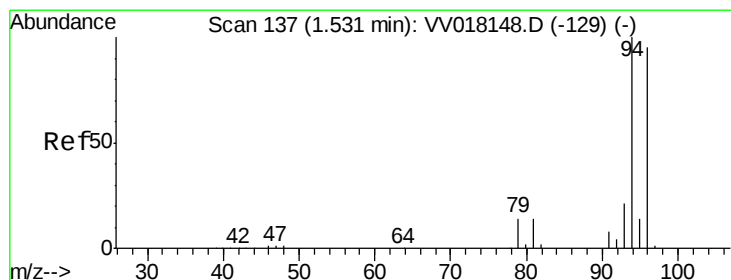
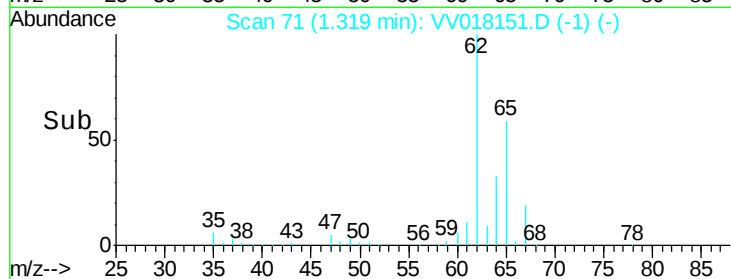
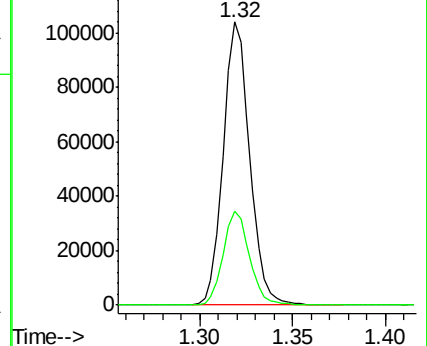
62 100

64 33.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 86.847 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018151.D

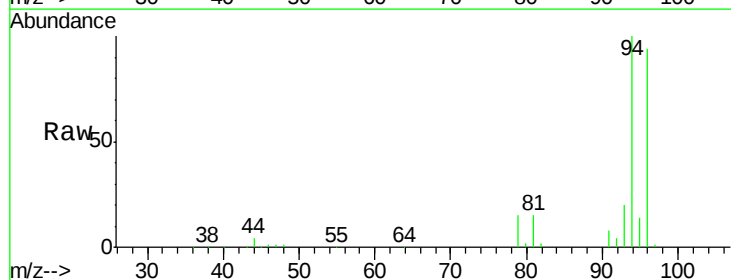
Acq: 03 Sep 2020 12:43

Tgt Ion: 94 Resp: 64868

Ion Ratio Lower Upper

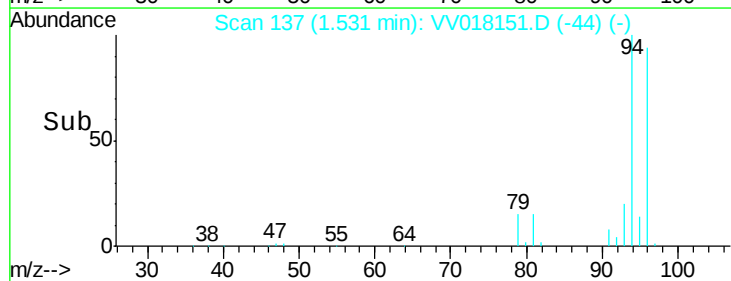
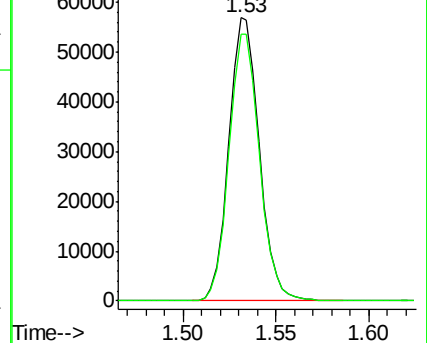
94 100

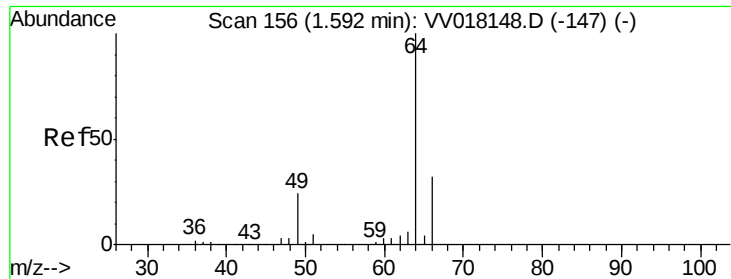
96 94.2 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 103.472 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

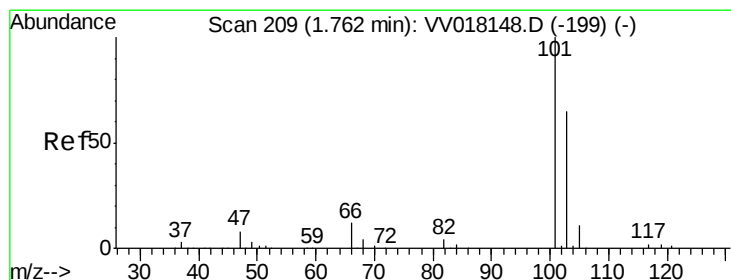
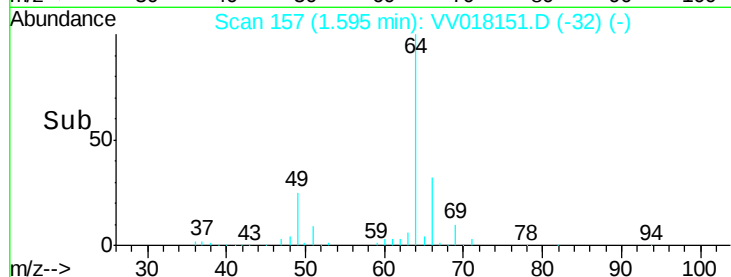
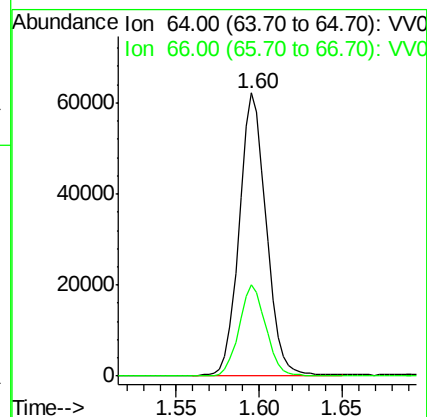
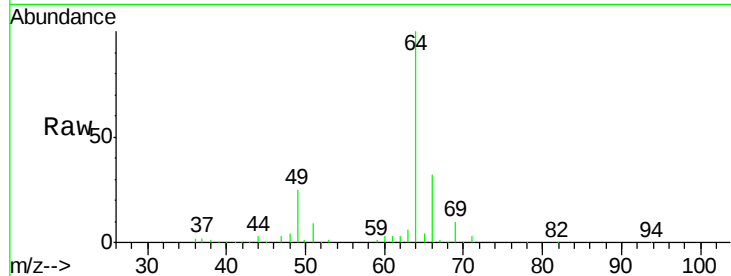
A5169MSD

Tot Ion: 64 Resp: 69719

Ion Ratio Lower Upper

64 100

66 32.1 22.6 42.0



#9

Trichlorofluoromethane

Concen: 72.840 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018151.D

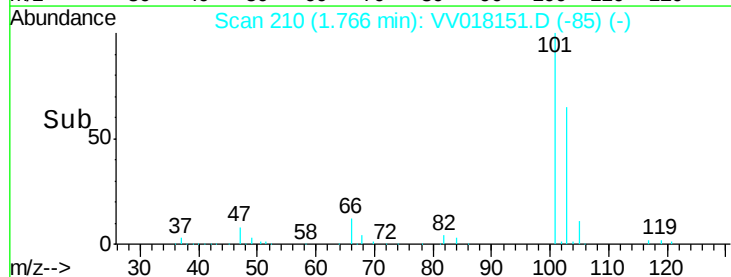
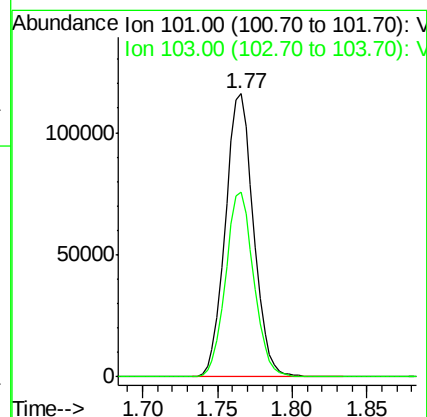
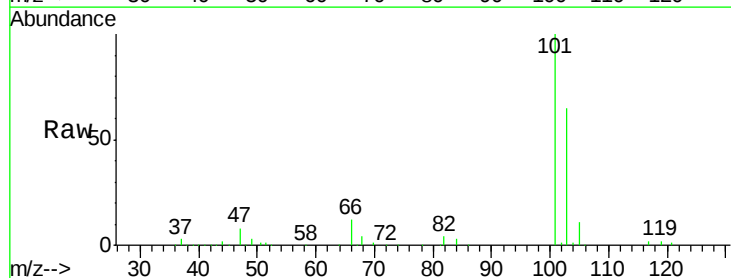
Acq: 03 Sep 2020 12:43

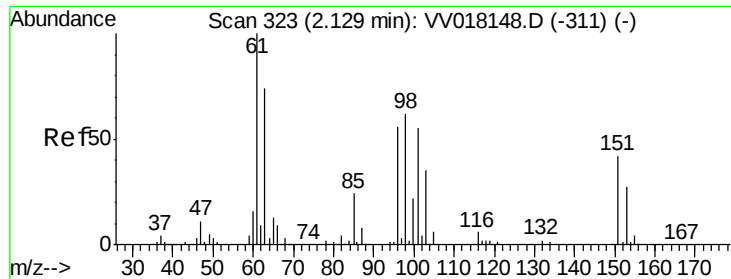
Tgt Ion:101 Resp: 152367

Ion Ratio Lower Upper

101 100

103 65.2 52.5 78.7





#10

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

Concen: 87.037 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

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ClientSampleId :

A5169MSD

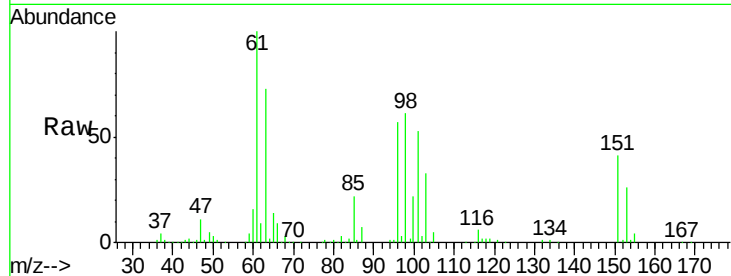
Tot Ion:101 Resp: 89250

Ion Ratio Lower Upper

101 100

85 43.6 34.4 51.6

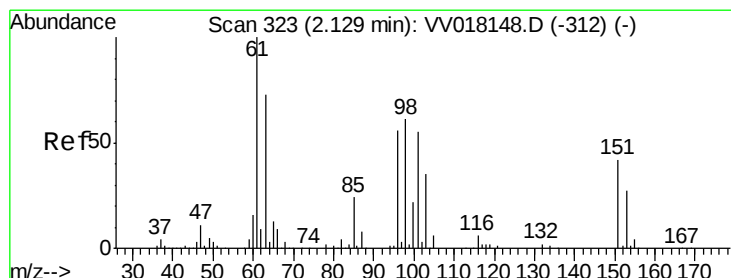
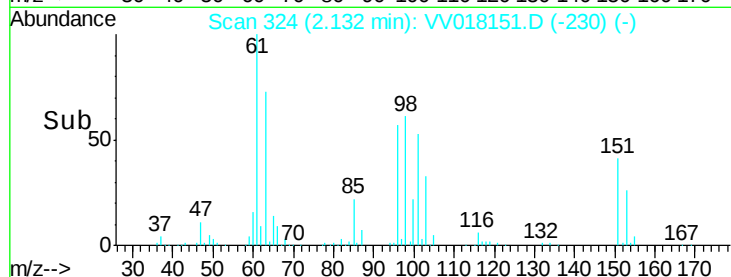
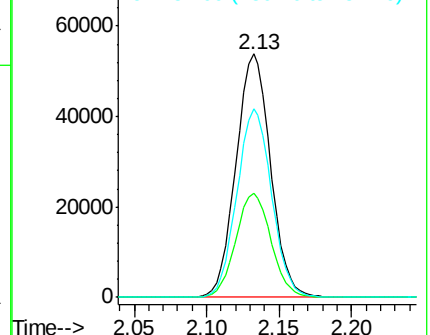
151 78.0 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 87.359 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

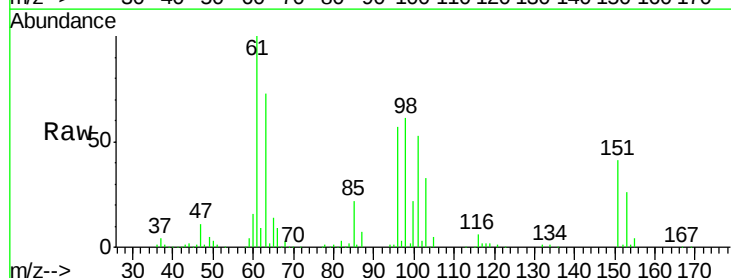
Tgt Ion: 96 Resp: 84352

Ion Ratio Lower Upper

96 100

61 175.5 120.0 223.0

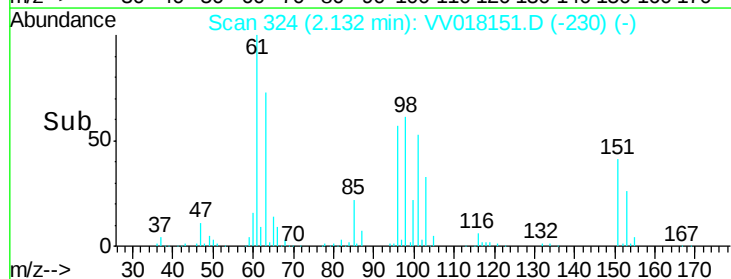
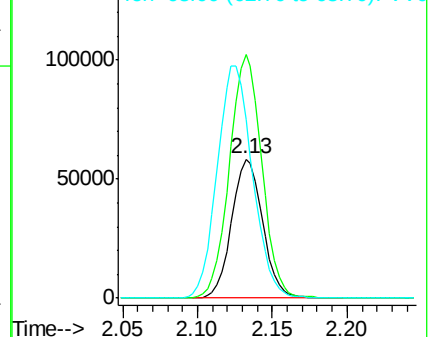
63 129.0 98.3 182.7

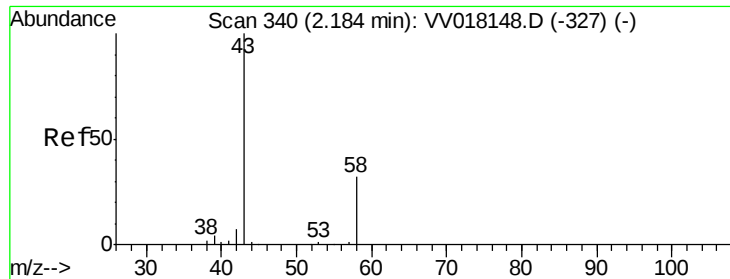


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 181.042 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

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ClientSampleId :

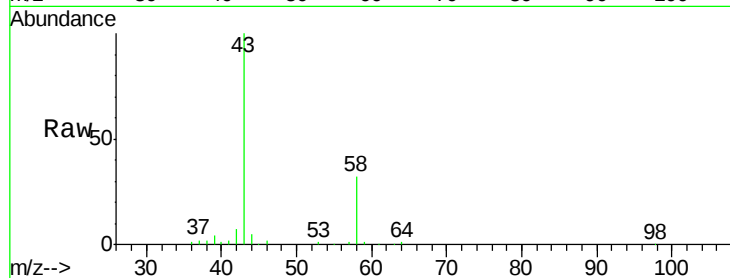
A5169MSD

Tot Ion: 43 Resp: 130661

Ion Ratio Lower Upper

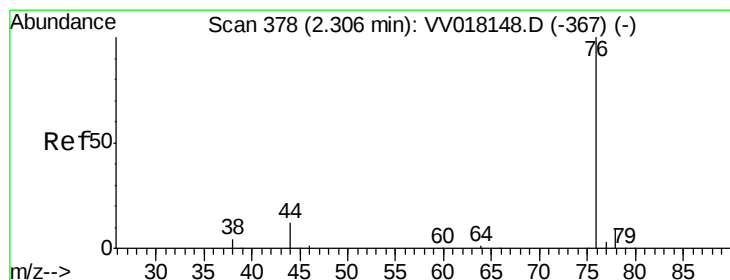
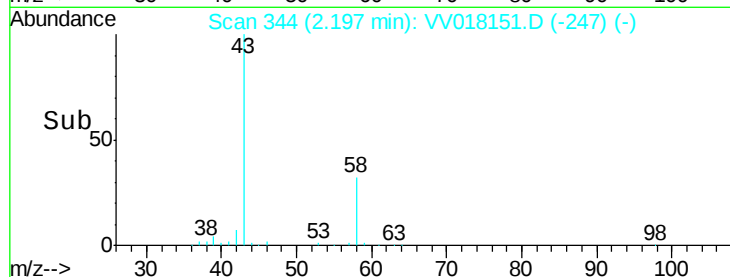
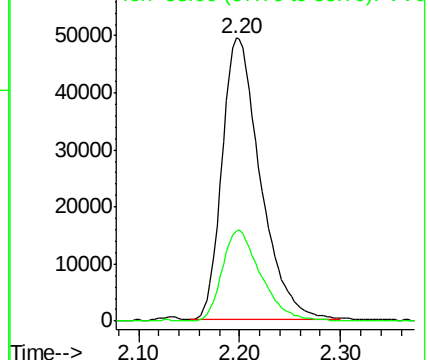
43 100

58 32.0 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 62.560 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018151.D

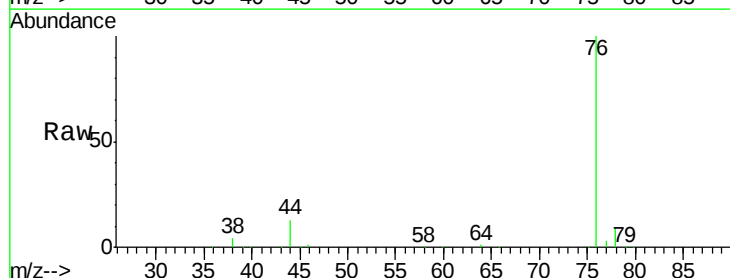
Acq: 03 Sep 2020 12:43

Tgt Ion: 76 Resp: 204132

Ion Ratio Lower Upper

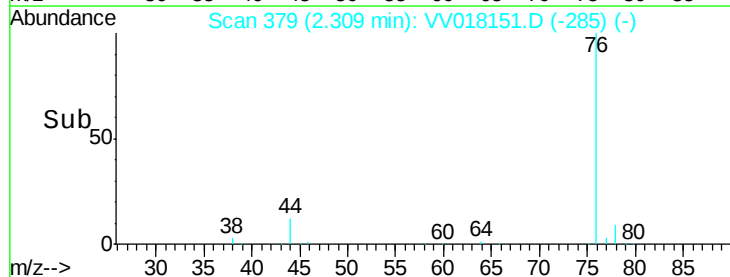
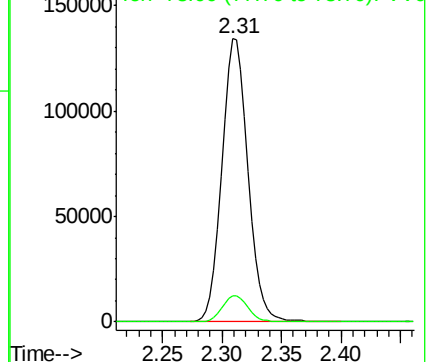
76 100

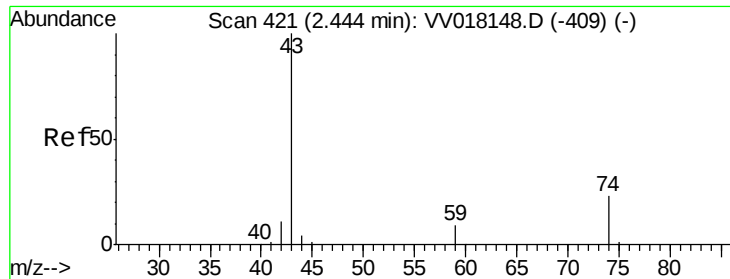
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

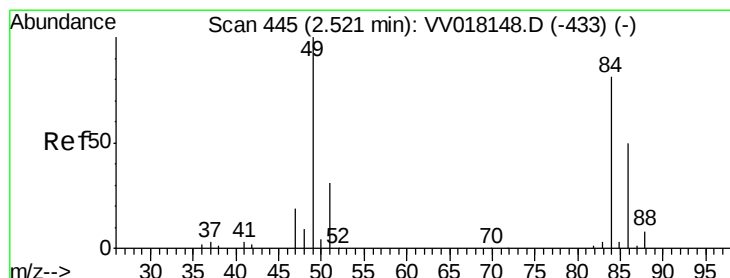
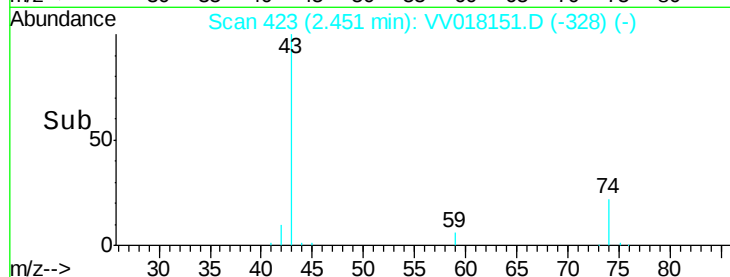
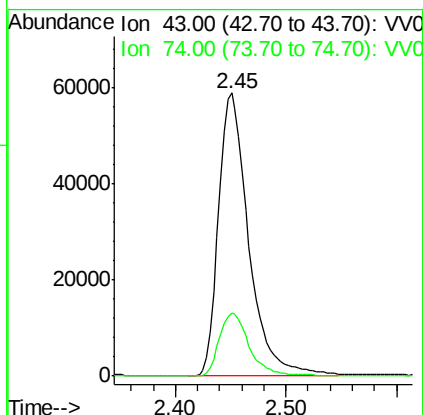
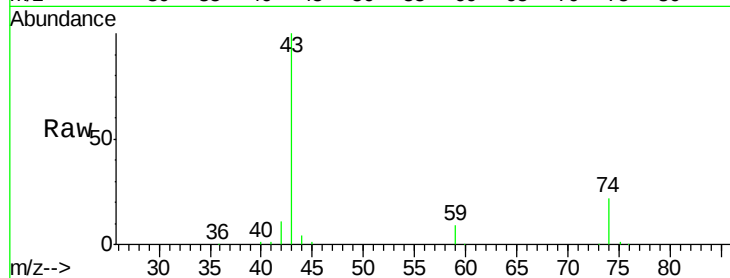




#15
Methyl Acetate
Concen: 87.746 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

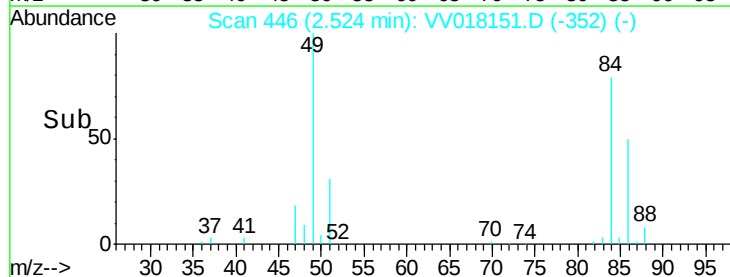
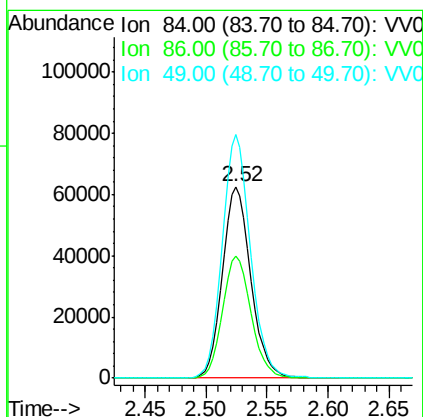
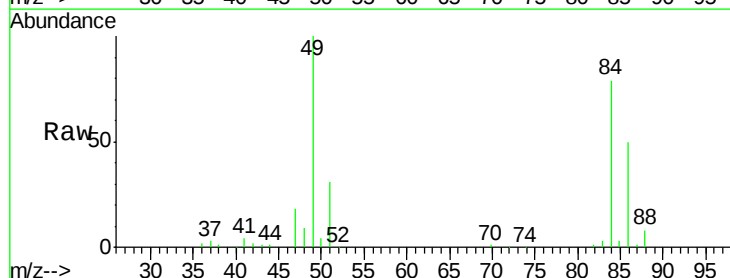
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

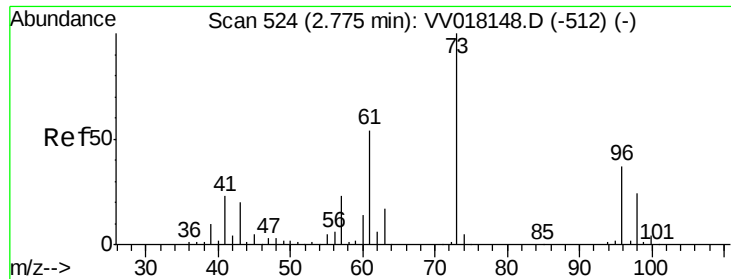
Tot Ion: 43 Resp: 110804
Ion Ratio Lower Upper
43 100
74 22.6 21.8 32.6



#16
Methylene chloride
Concen: 70.067 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion: 84 Resp: 102651
Ion Ratio Lower Upper
84 100
86 64.0 45.7 84.9
49 127.1 76.6 142.2

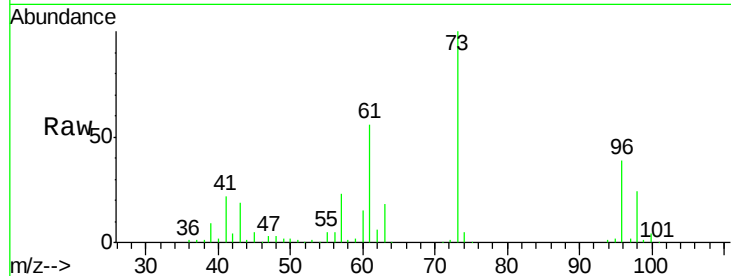




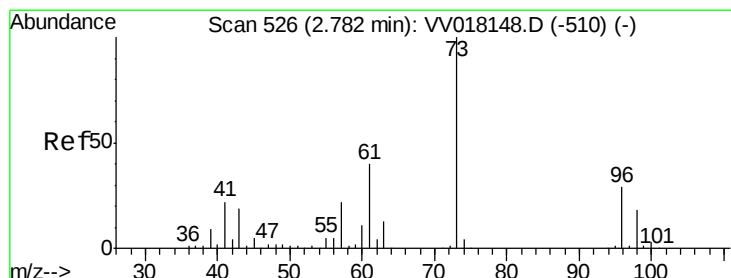
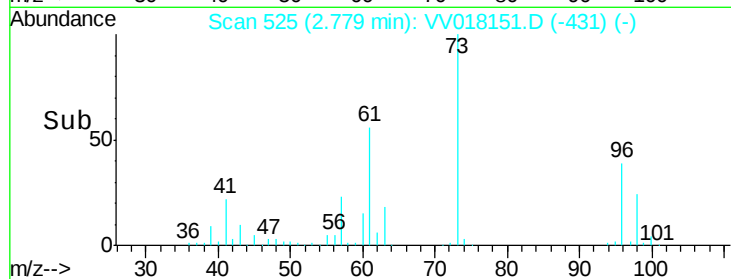
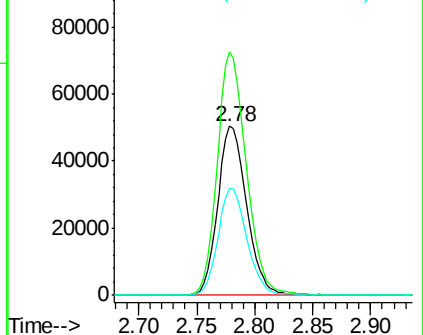
#17
trans-1,2-Dichloroethene
Concen: 64.337 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

Tot Ion: 96 Resp: 87720
Ion Ratio Lower Upper
96 100
61 144.2 90.6 168.3
98 63.2 44.2 82.2

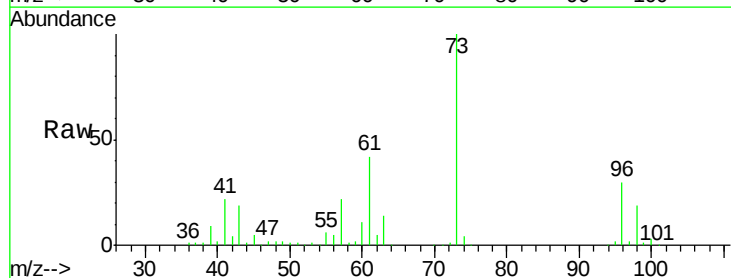


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

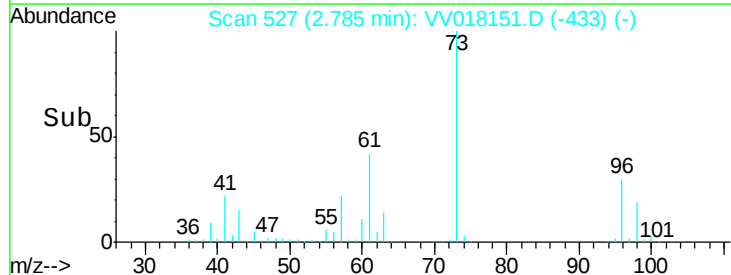
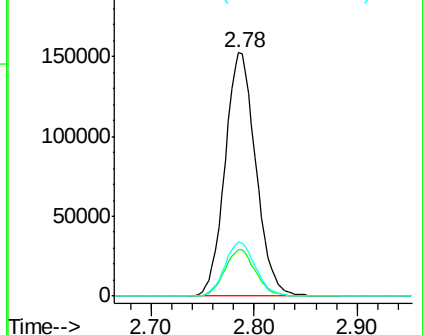


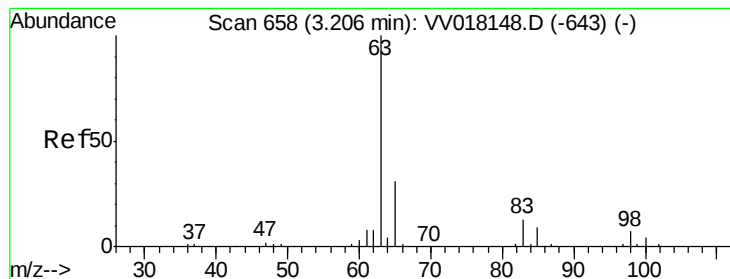
#18
Methyl tert-butyl Ether
Concen: 67.726 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion: 73 Resp: 317294
Ion Ratio Lower Upper
73 100
43 18.9 15.6 23.4
57 22.2 16.0 24.0



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: 73.659 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

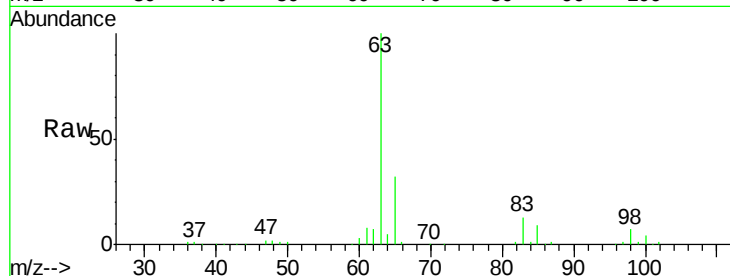
Tot Ion: 63 Resp: 183147

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

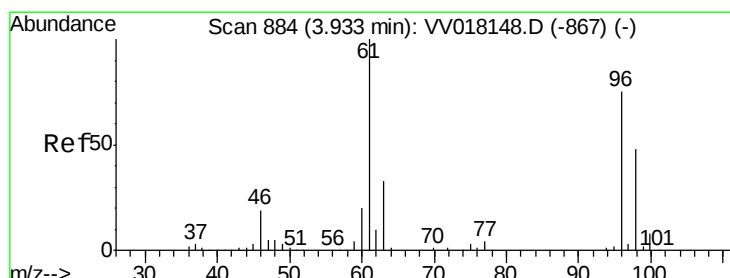
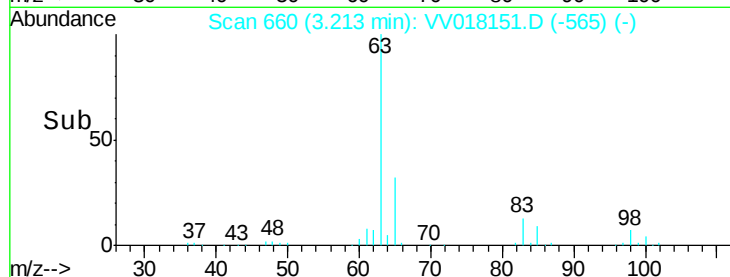
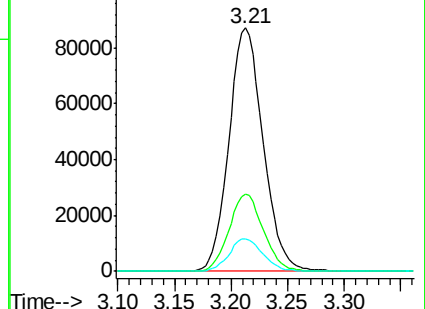
83 13.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 64.248 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

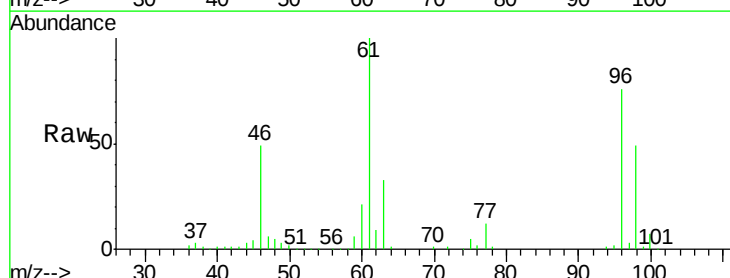
Tgt Ion: 96 Resp: 103179

Ion Ratio Lower Upper

96 100

61 132.0 80.0 148.6

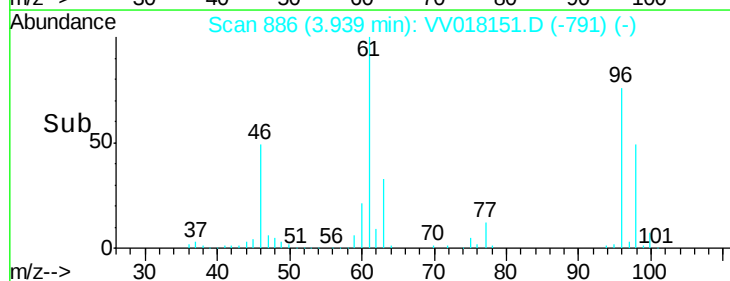
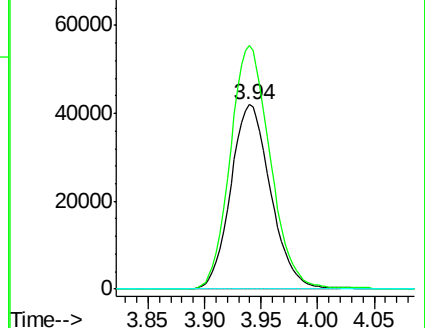
68 0.0 0.0 0.0

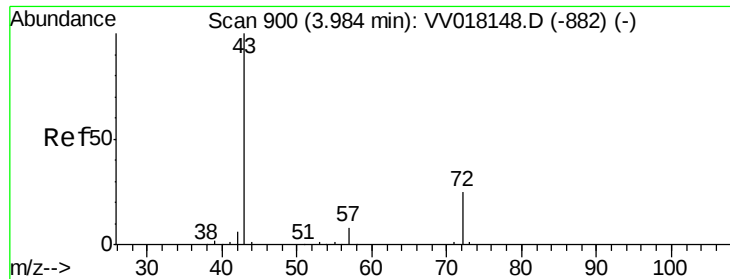


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 179.320 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.02 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

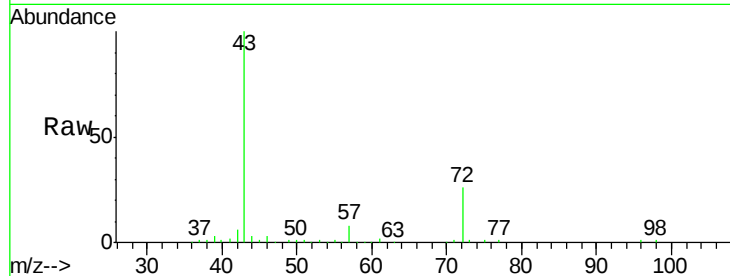
A5169MSD

Tot Ion: 43 Resp: 166789

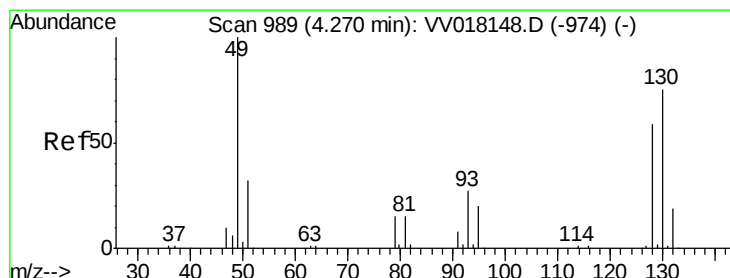
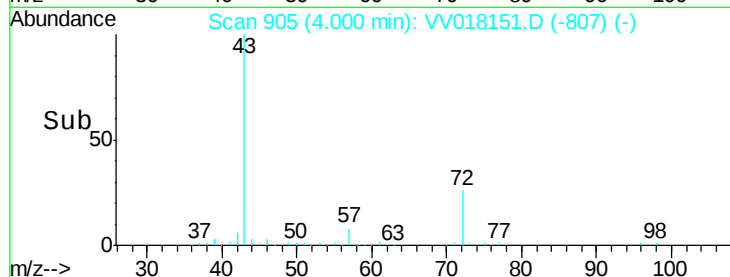
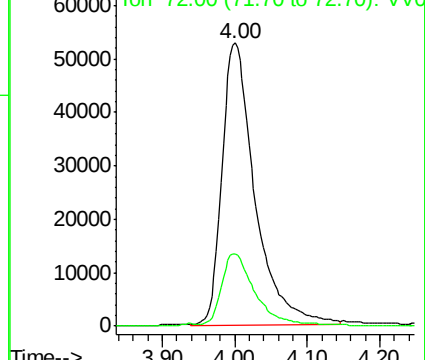
Ion Ratio Lower Upper

43 100

72 24.8 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV018151.D (-807) (-)



#23

Bromochloromethane

Concen: 61.144 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Tgt Ion: 128 Resp: 53995

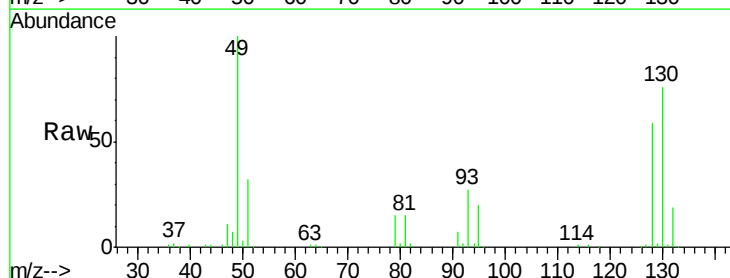
Ion Ratio Lower Upper

128 100

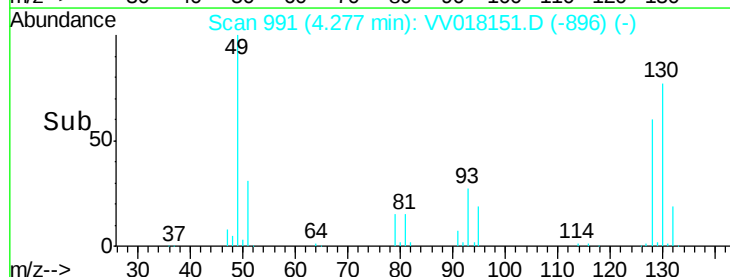
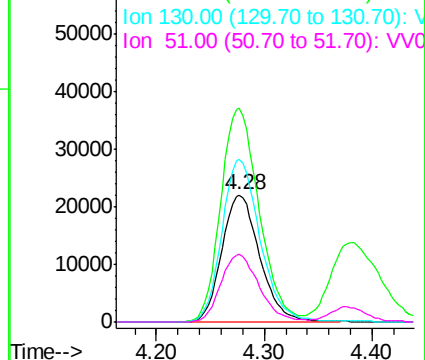
49 168.4 84.6 157.2#

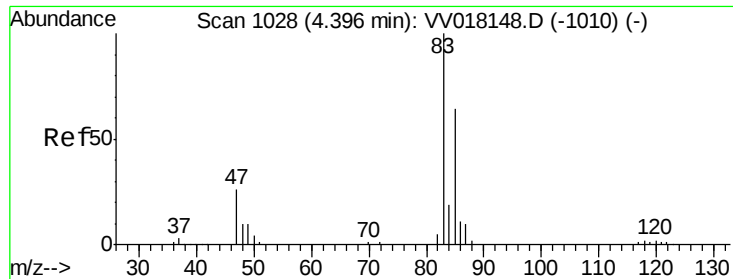
130 128.6 89.9 167.0

51 53.2 30.5 45.7#



Abundance Ion 128.00 (127.70 to 128.70): VV018151.D (-896) (-)

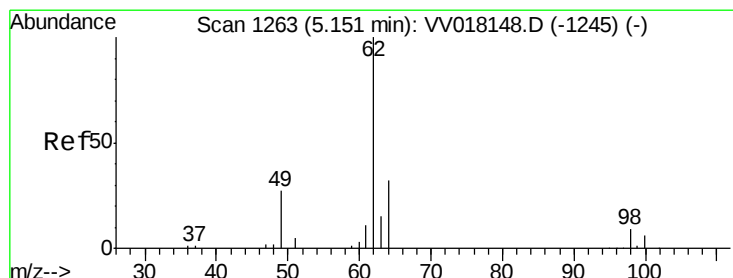
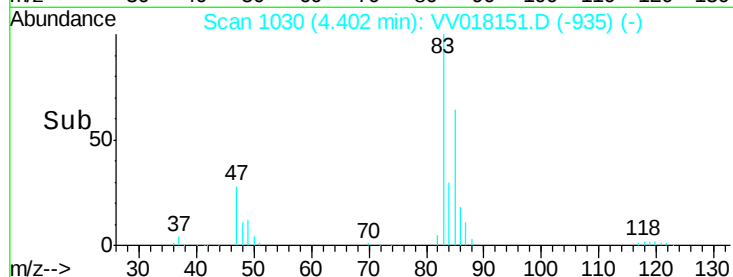
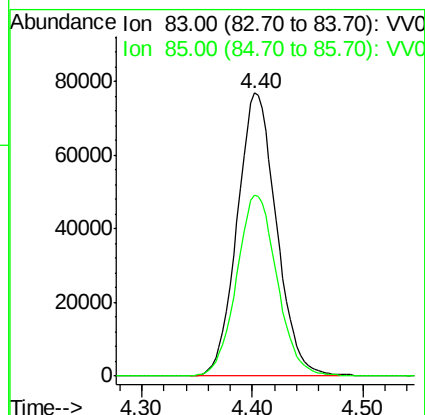
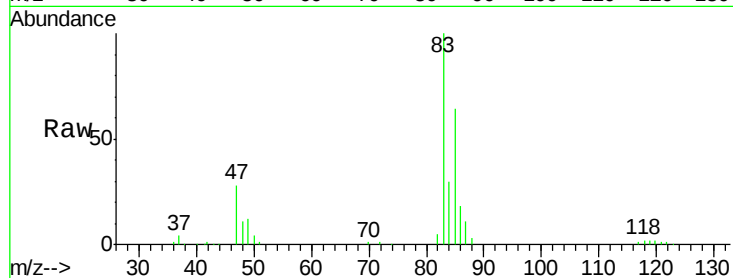




#25
Chloroform
Concen: 67.395 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

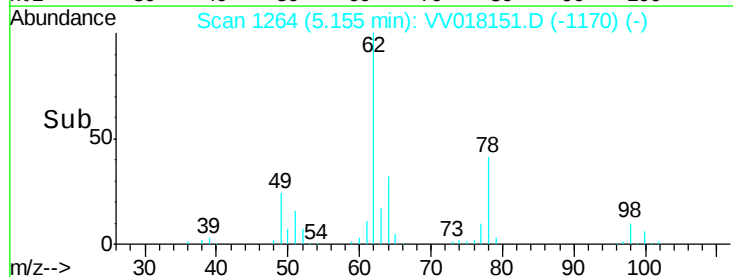
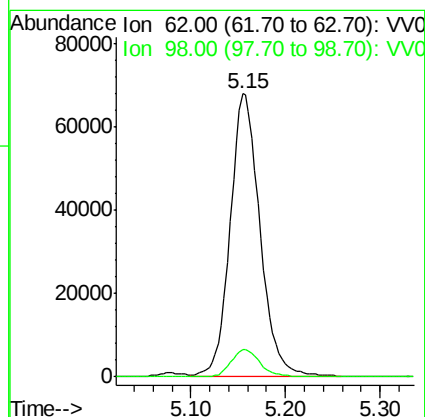
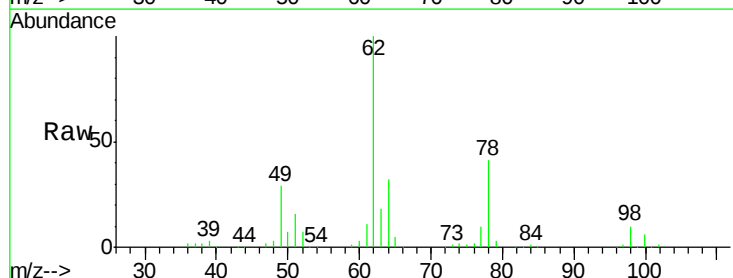
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

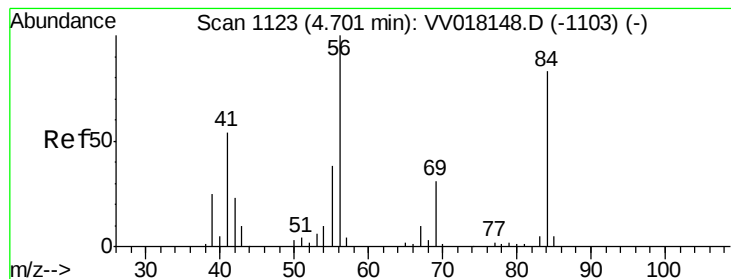
Tot Ion: 83 Resp: 189945
Ion Ratio Lower Upper
83 100
85 63.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 67.447 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion: 62 Resp: 147743
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 64.250 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

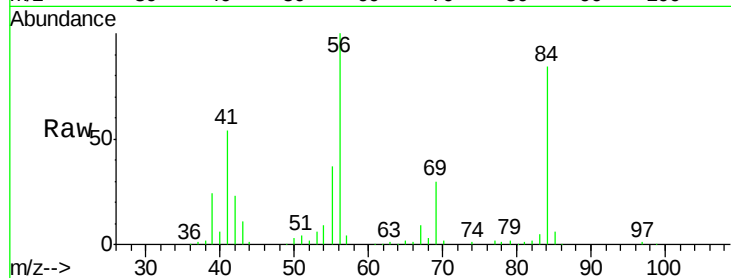
Tot Ion: 56 Resp: 139984

Ion Ratio Lower Upper

56 100

69 30.6 25.8 38.8

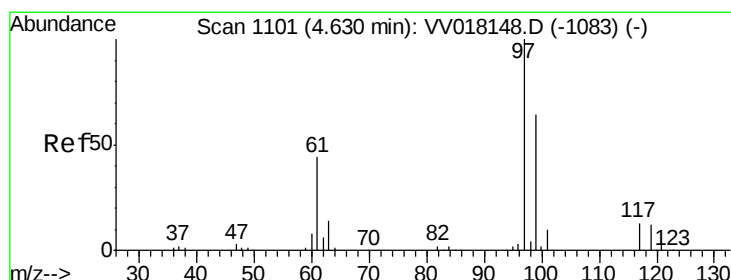
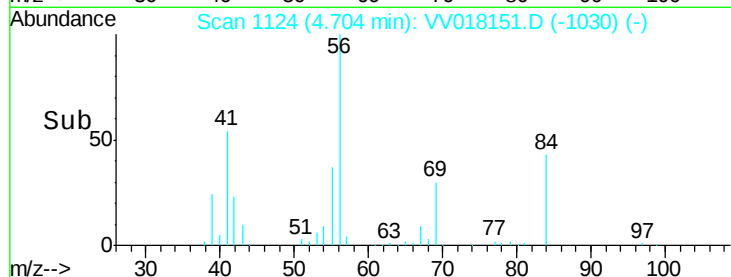
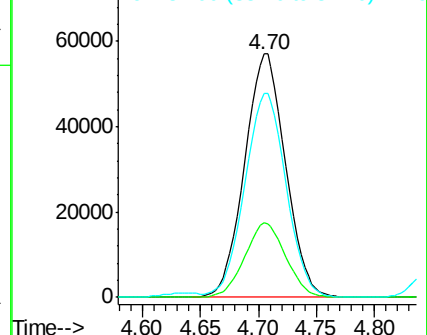
84 84.9 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV018151.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV018151.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV018151.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 58.148 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

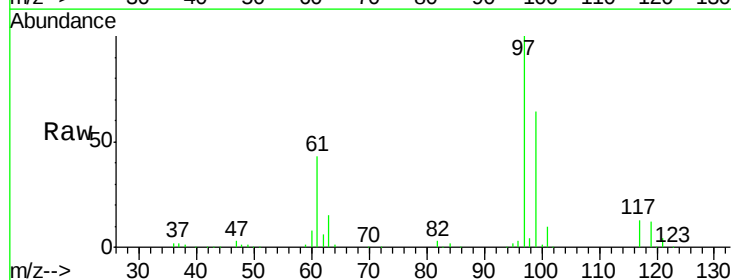
Tgt Ion: 97 Resp: 160942

Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

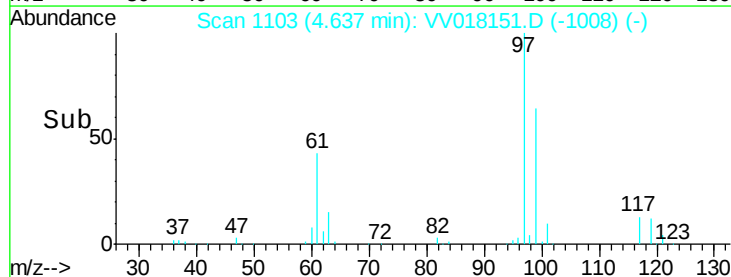
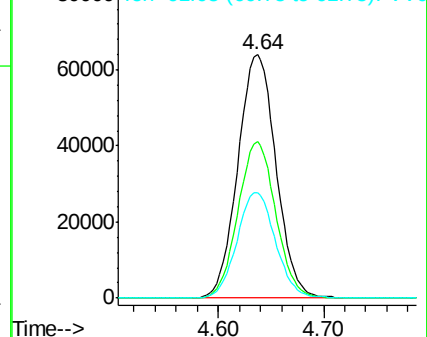
61 43.8 31.3 46.9

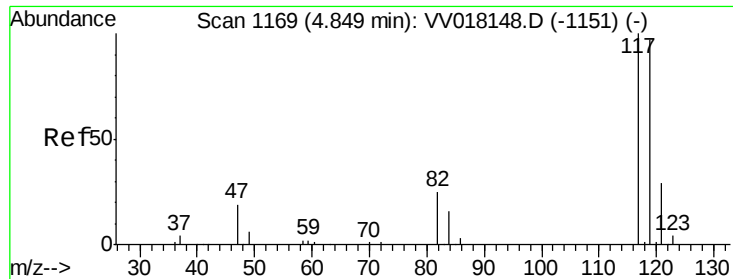


Abundance Ion 97.00 (96.70 to 97.70): VV018151.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV018151.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV018151.D (-1008) (-)

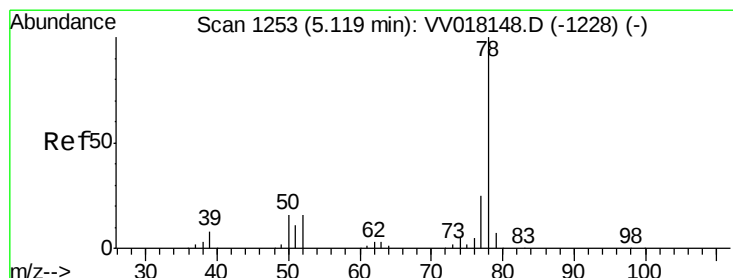
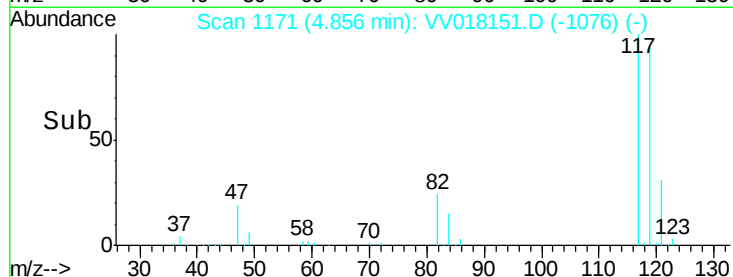
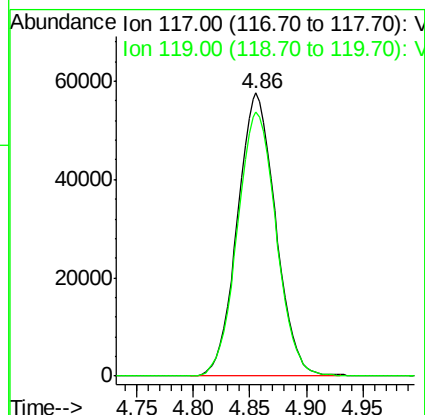
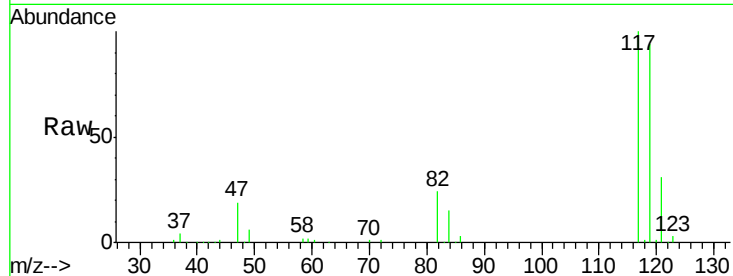




#31
Carbon tetrachloride
Concen: 52.675 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

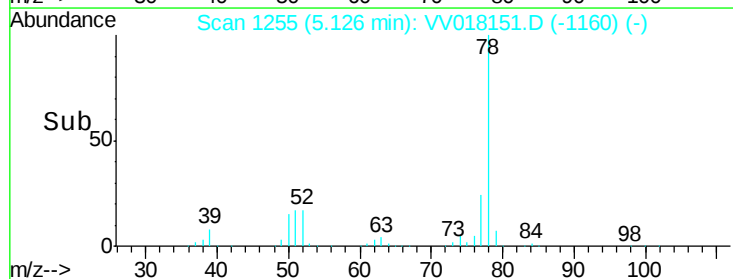
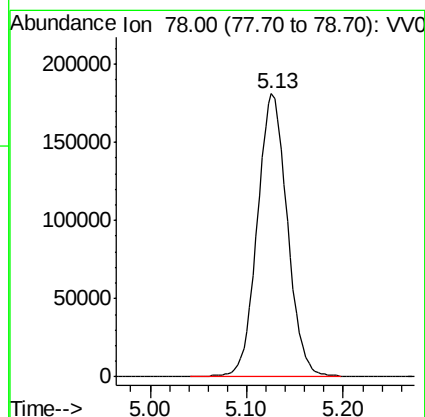
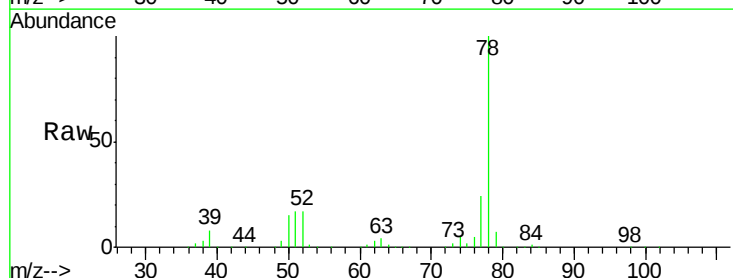
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

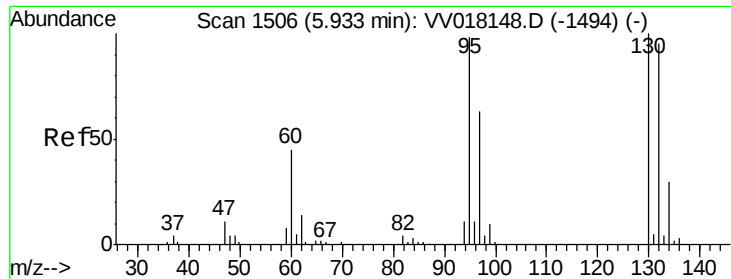
Tot Ion:117 Resp: 135254
Ion Ratio Lower Upper
117 100
119 95.2 78.2 117.4



#33
Benzene
Concen: 65.204 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion: 78 Resp: 391084





#34

Trichloroethene

Concen: 61.982 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

Tot Ion: 95 Resp: 103330

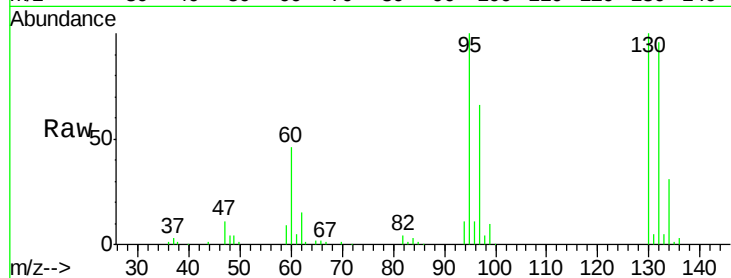
Ion Ratio Lower Upper

95 100

97 65.6 43.4 80.6

132 96.1 73.1 135.8

130 99.7 75.3 139.8

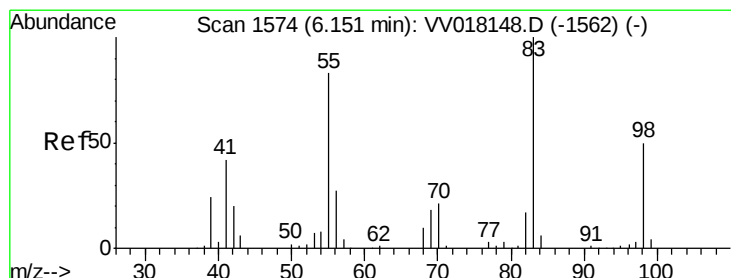
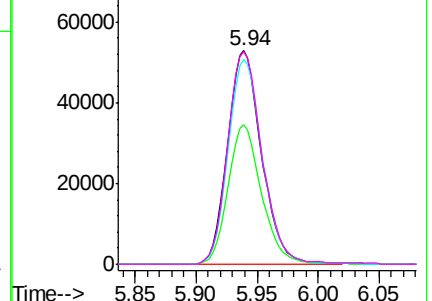
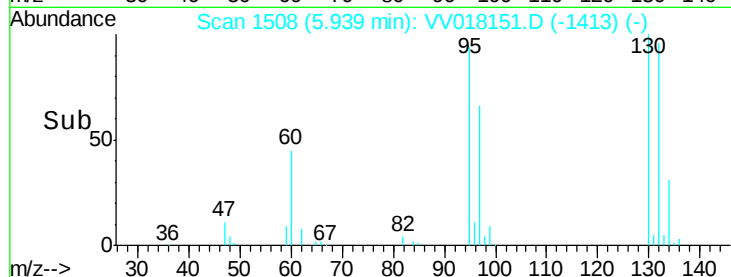


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 57.060 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

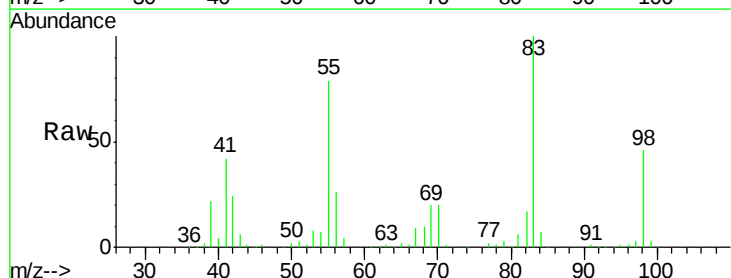
Tgt Ion: 83 Resp: 141583

Ion Ratio Lower Upper

83 100

55 79.0 55.5 83.3

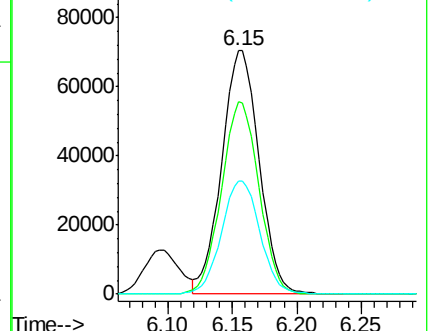
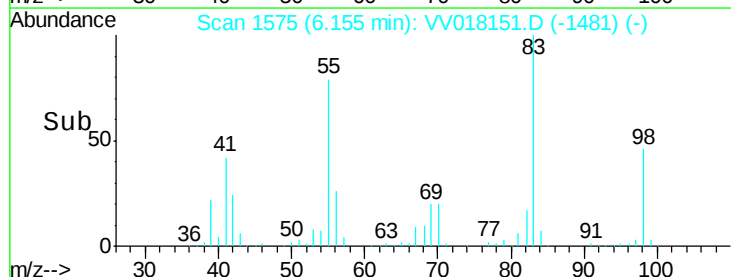
98 47.5 38.5 57.7

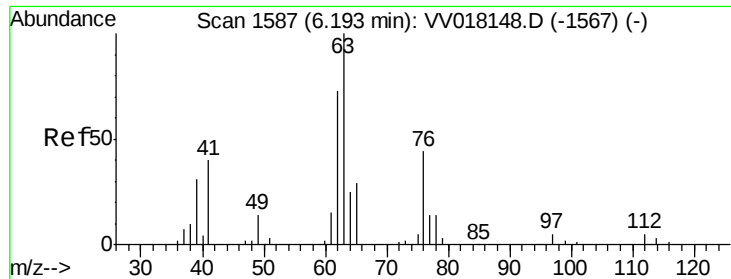


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

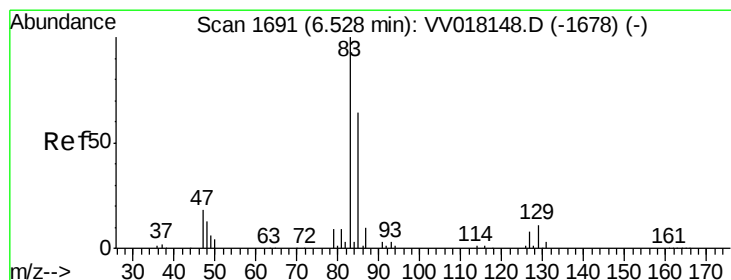
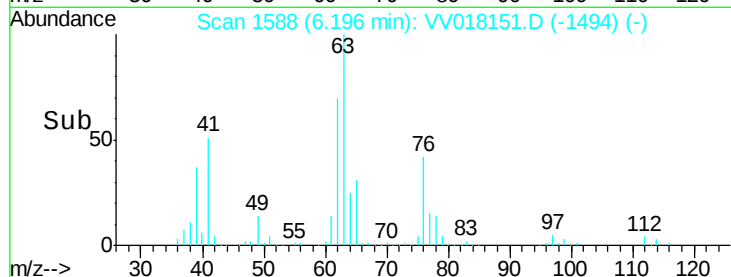
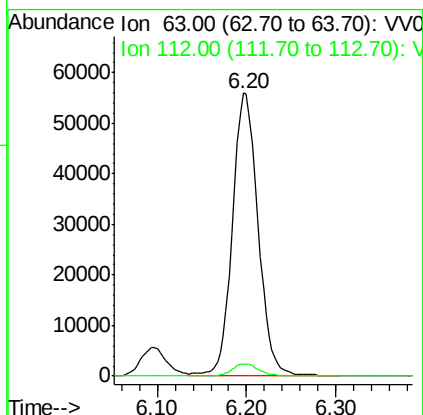
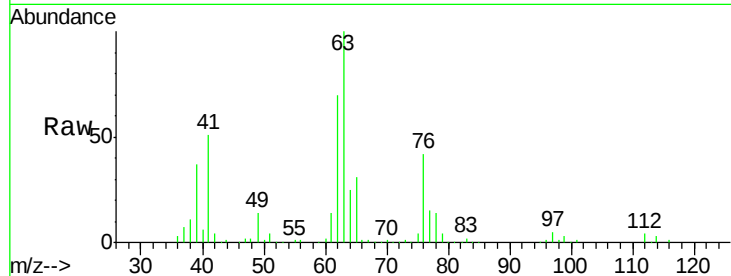




#37
 1,2-Dichloropropane
 Concen: 76.040 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

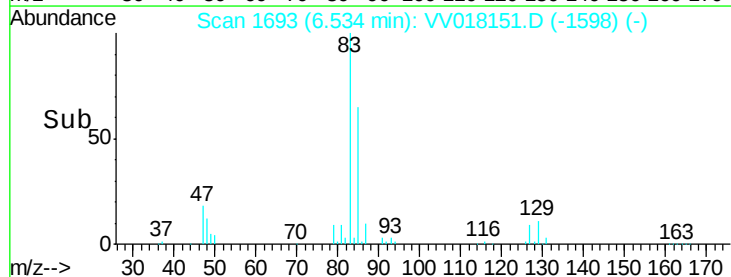
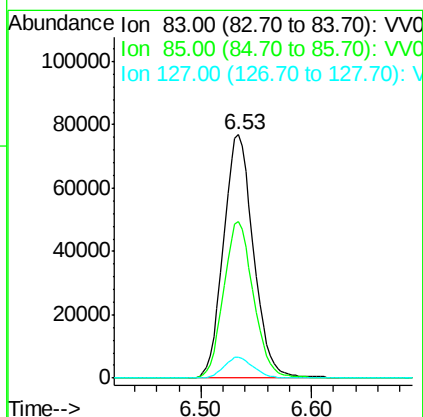
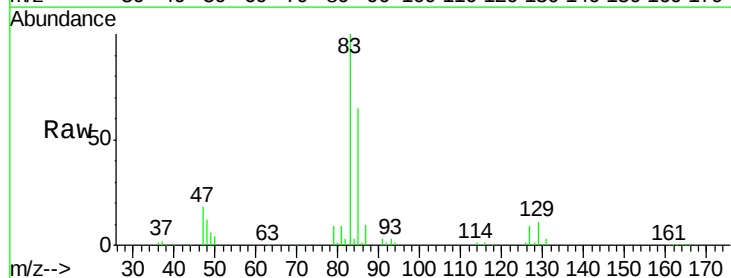
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

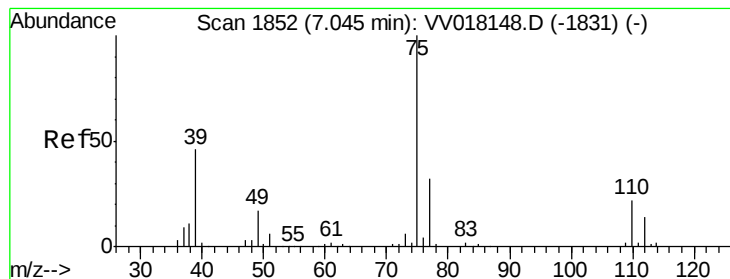
Tot Ion: 63 Resp: 111242
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.2 6.2



#38
 Bromodichloromethane
 Concen: 63.022 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion: 83 Resp: 145041
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.0 83.6
 127 8.6 7.9 11.9



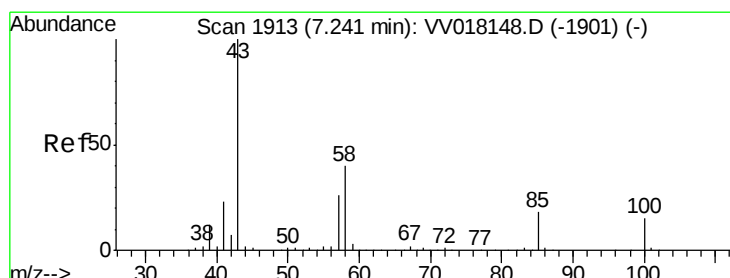
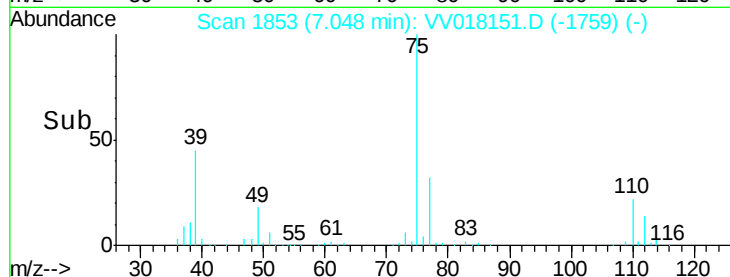
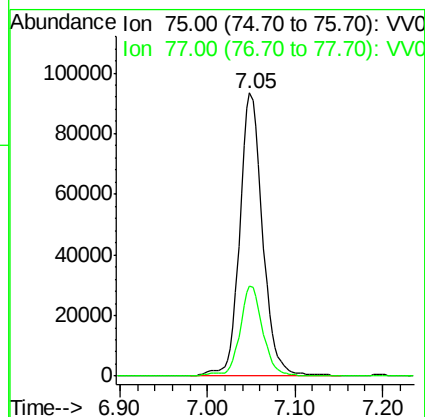
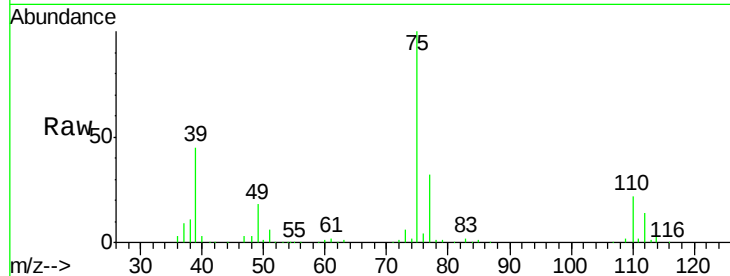


#39

cis-1,3-Dichloropropene
 Concen: 65.852 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

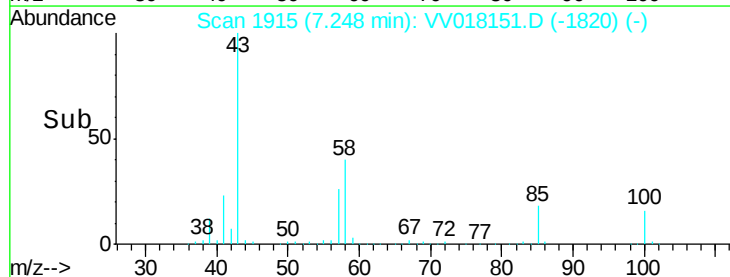
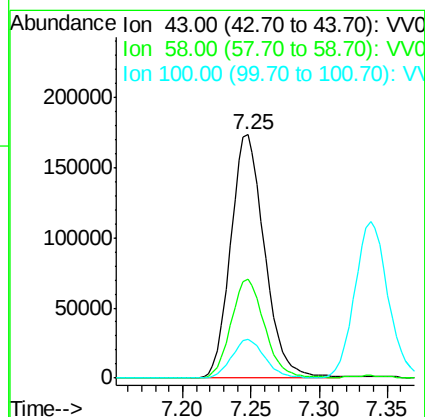
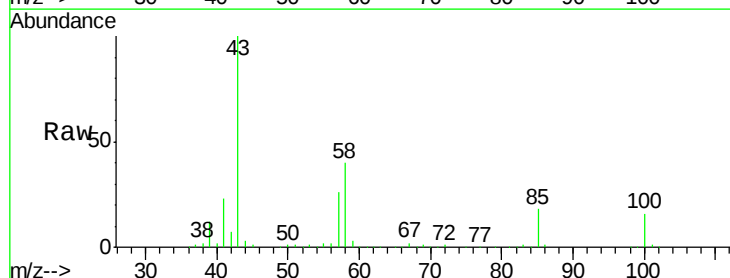
Tot Ion: 75 Resp: 169848
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5

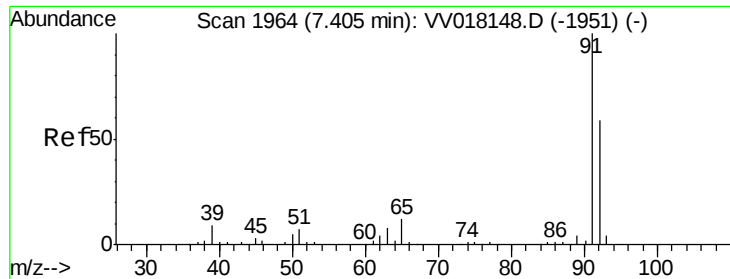


#40

4-Methyl-2-pentanone
 Concen: 159.676 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion: 43 Resp: 300650
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.4 50.2
 100 15.6 15.0 22.4





#42

Toluene

Concen: 63.749 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

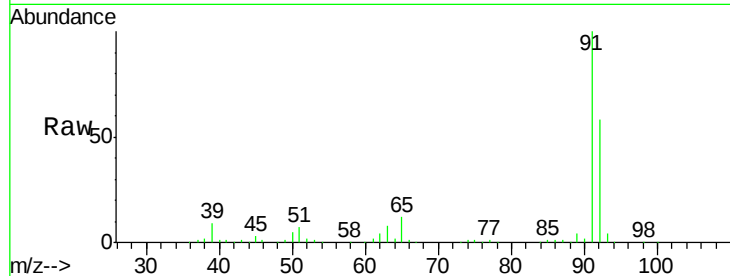
A5169MSD

Tot Ion: 91 Resp: 424856

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

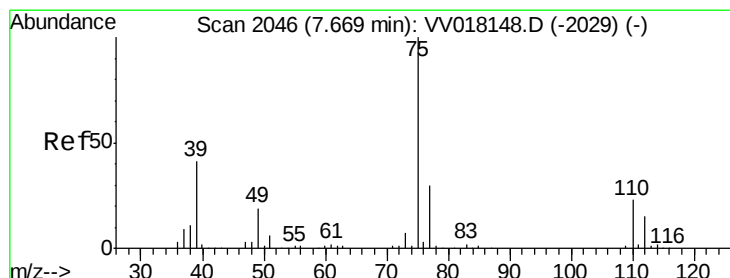
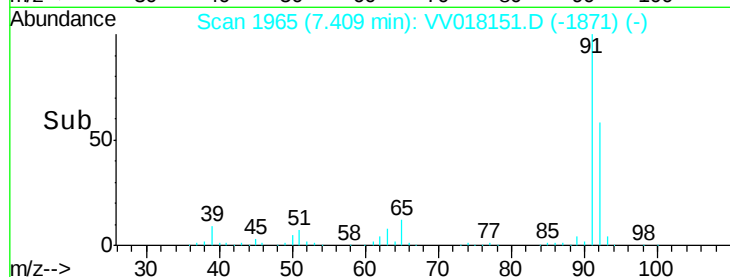
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 68.858 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018151.D

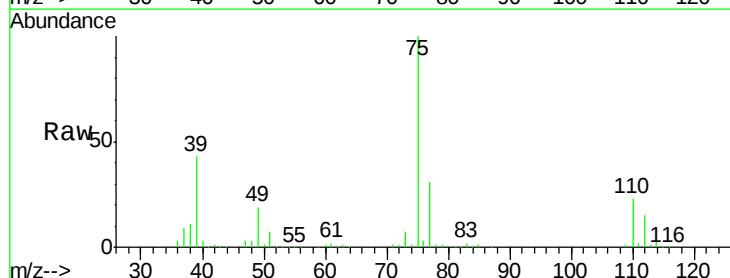
Acq: 03 Sep 2020 12:43

Tgt Ion: 75 Resp: 167653

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

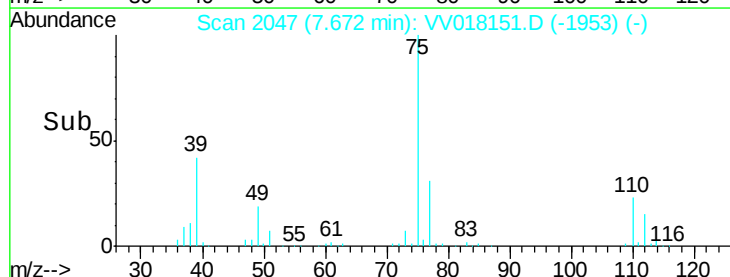
60000

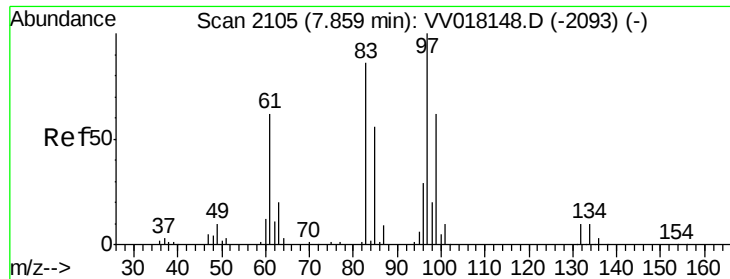
40000

20000

0

Time-->

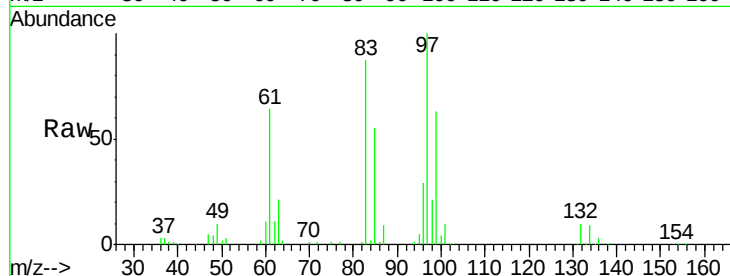




#45
1,1,2-Trichloroethane
Concen: 65.951 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

Tot Ion:	97	Resp:	104005
Ion	Ratio	Lower	Upper
97	100		
99	62.6	47.2	87.6
83	87.4	58.0	107.6
85	55.4	38.0	70.6

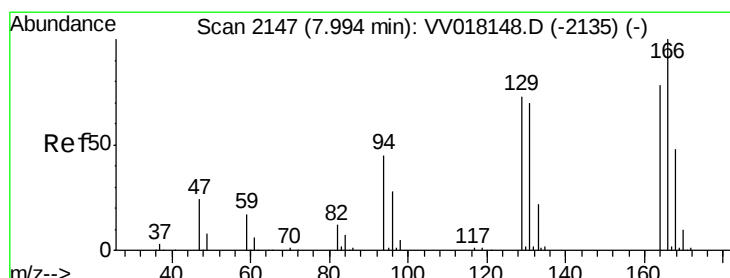
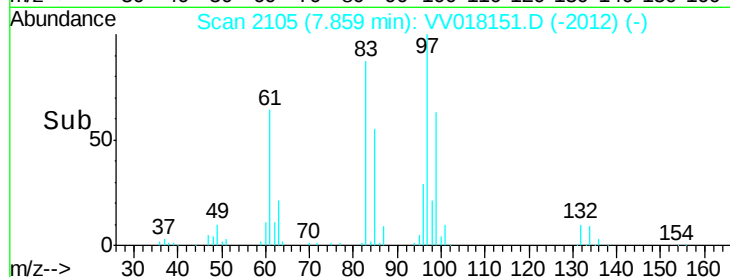
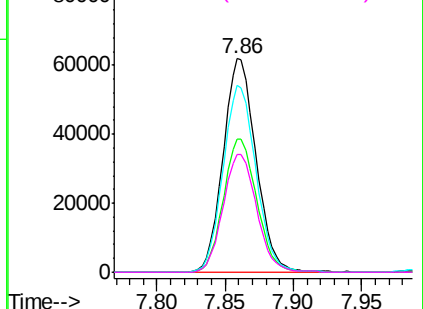


Abundance Ion 97.00 (96.70 to 97.70): VV018151.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018151.D (-2012) (-)

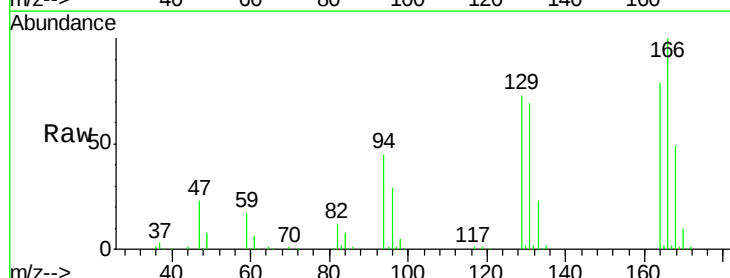
Ion 83.00 (82.70 to 83.70): VV018151.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018151.D (-2012) (-)



#46
Tetrachloroethene
Concen: 51.490 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion:	164	Resp:	79978
Ion	Ratio	Lower	Upper
164	100		
129	91.8	64.3	119.5
131	86.8	60.1	111.7
166	126.2	91.8	170.6

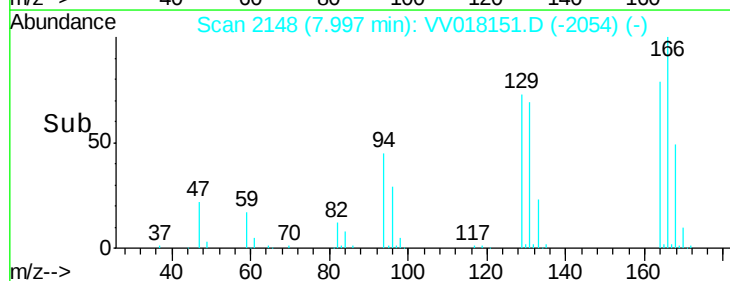
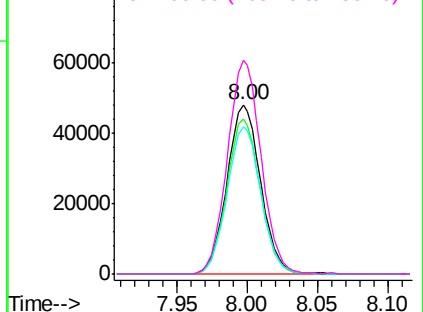


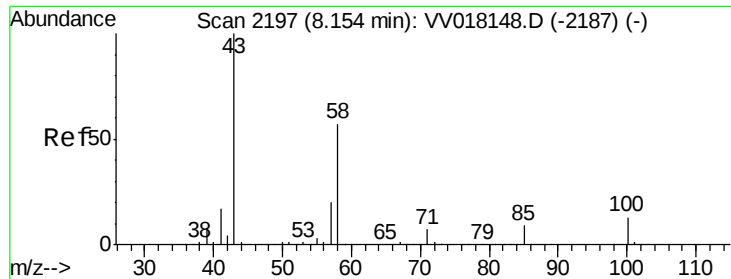
Abundance Ion 164.00 (163.70 to 164.70): VV018151.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018151.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018151.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018151.D (-2054) (-)

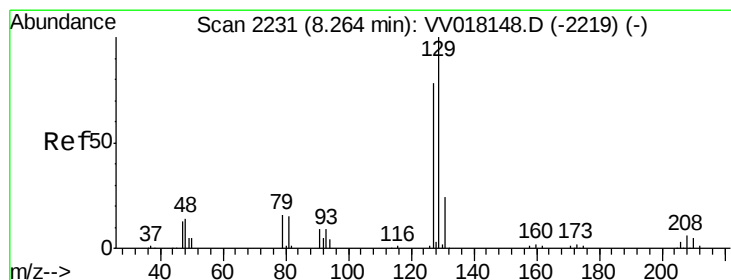
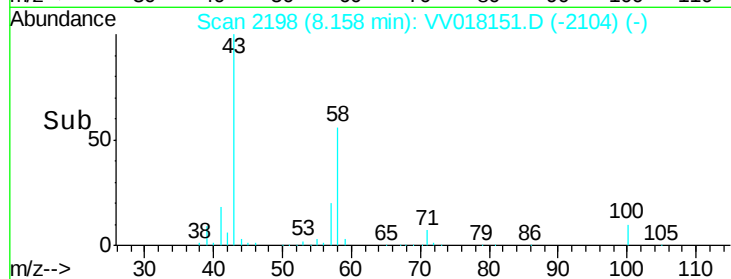
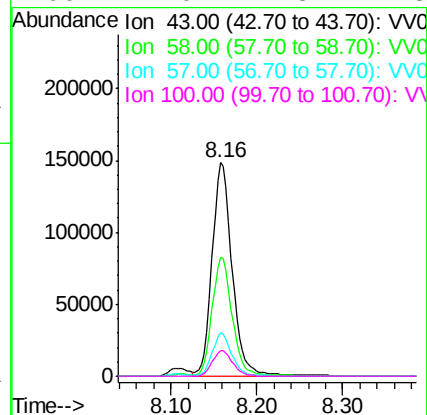
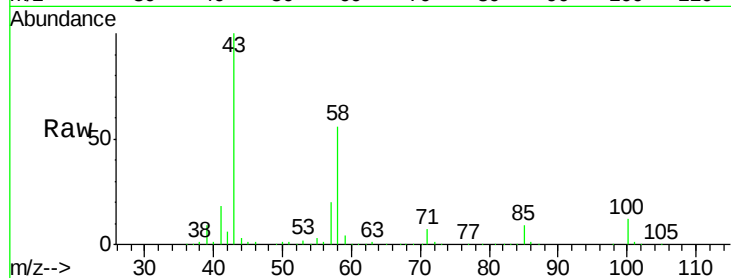




#48
2-Hexanone
Concen: 171.114 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

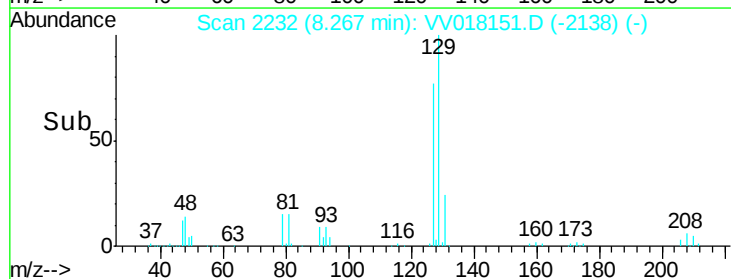
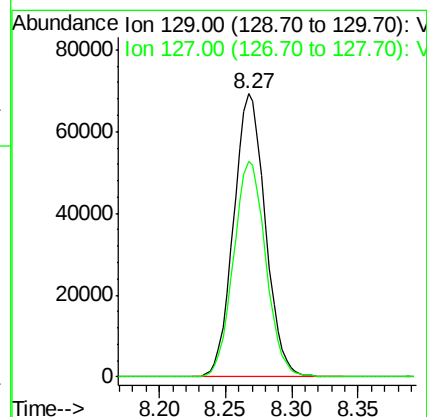
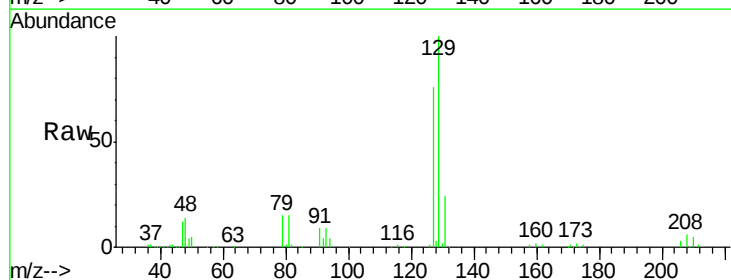
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

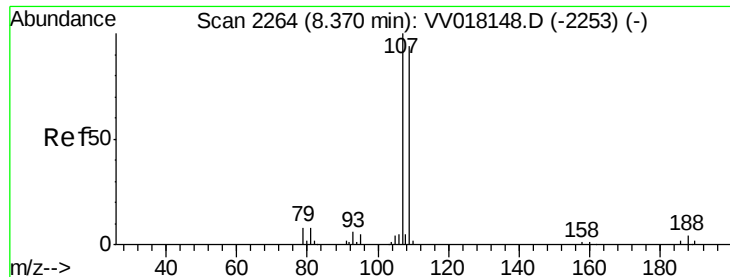
Tot Ion: 43 Resp: 242902
Ion Ratio Lower Upper
43 100
58 55.2 45.6 68.4
57 19.3 17.0 25.6
100 12.0 11.5 17.3



#49
Dibromochloromethane
Concen: 56.421 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion: 129 Resp: 115461
Ion Ratio Lower Upper
129 100
127 76.2 53.8 100.0

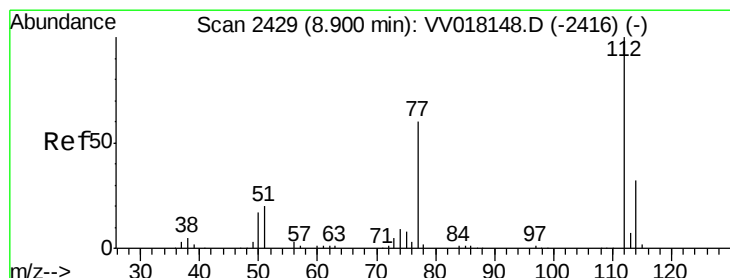
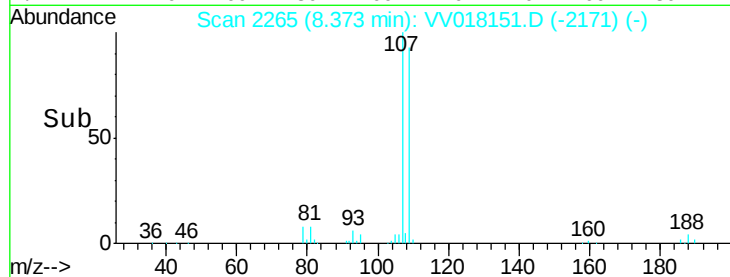
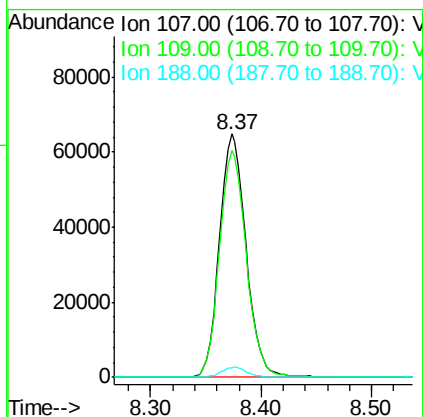
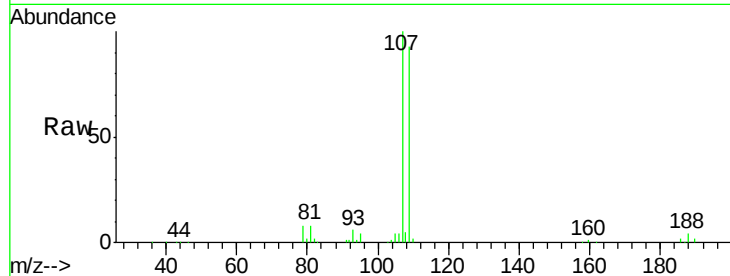




#50
 1,2-Dibromoethane
 Concen: 62.131 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

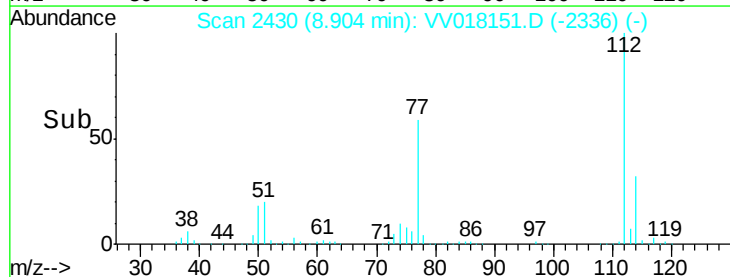
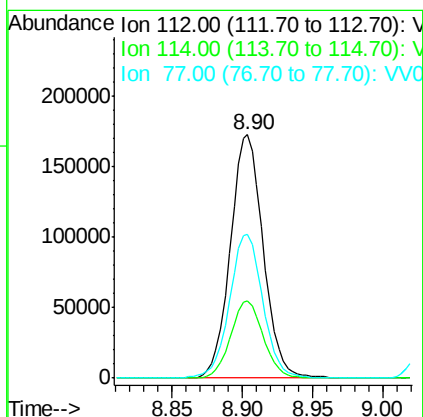
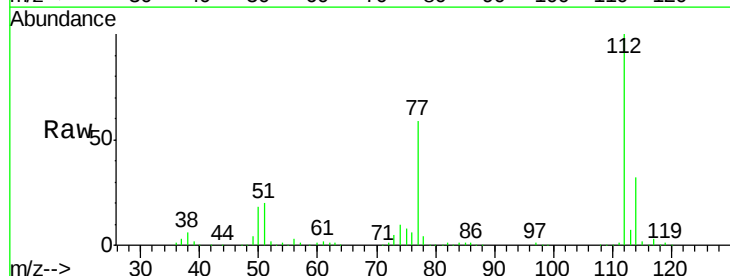
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

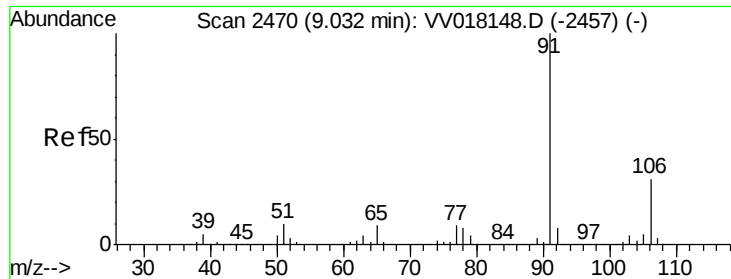
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.0	124.4
188	4.0	3.9	5.9



#51
 Chlorobenzene
 Concen: 62.460 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.8	42.4
77	59.1	44.7	67.1





#52

Ethylbenzene

Concen: 62.884 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

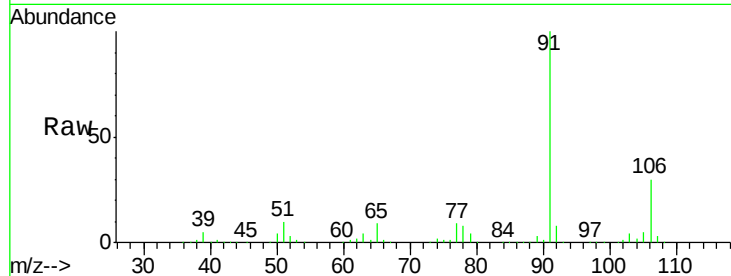
A5169MSD

Tot Ion: 91 Resp: 470241

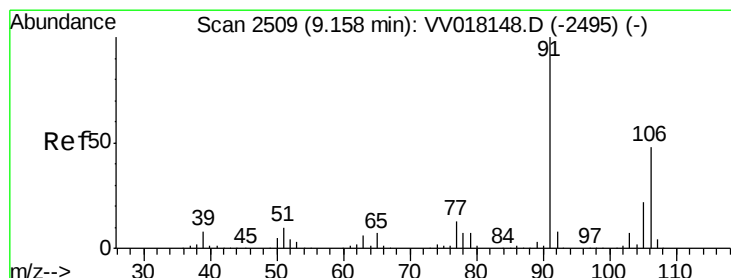
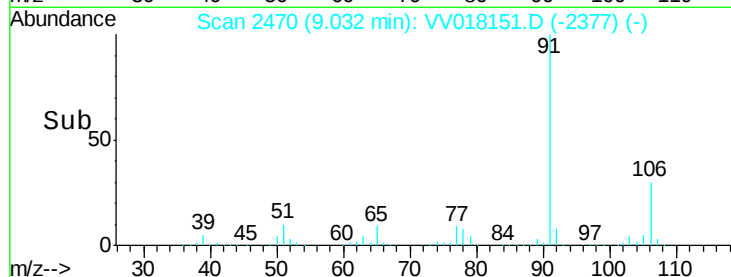
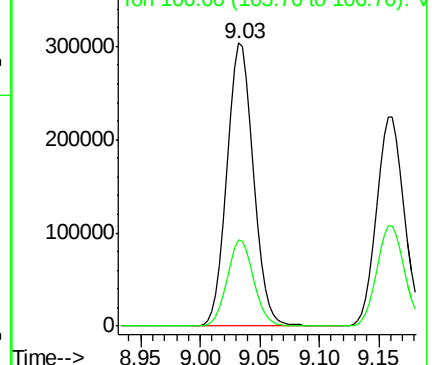
Ion Ratio Lower Upper

91 100

106 30.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV018151.D (-2377) (-)



#53

m,p-Xylene

Concen: 60.528 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018151.D

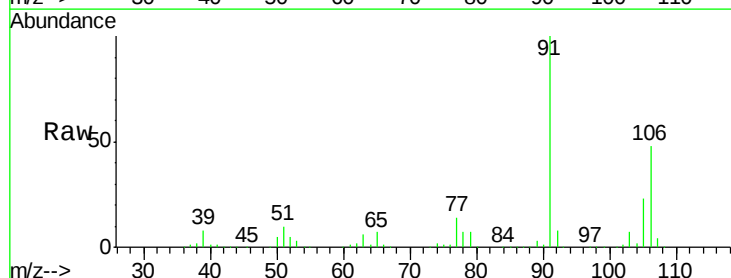
Acq: 03 Sep 2020 12:43

Tgt Ion: 106 Resp: 174607

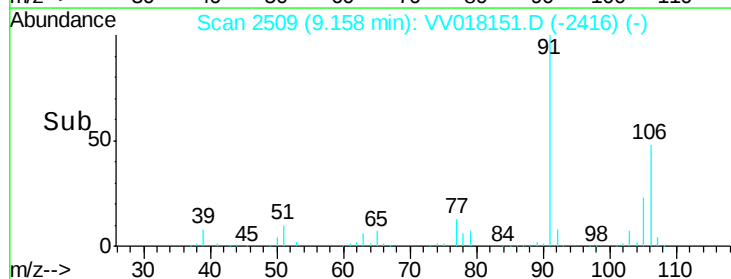
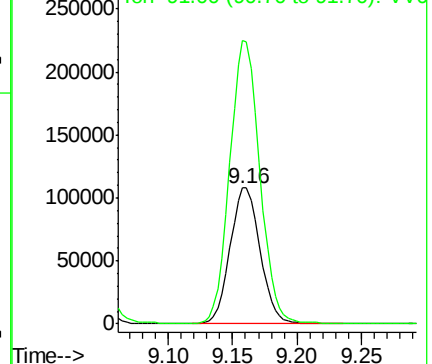
Ion Ratio Lower Upper

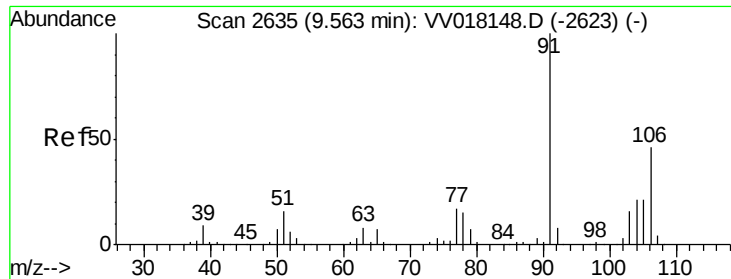
106 100

91 208.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018151.D (-2416) (-)

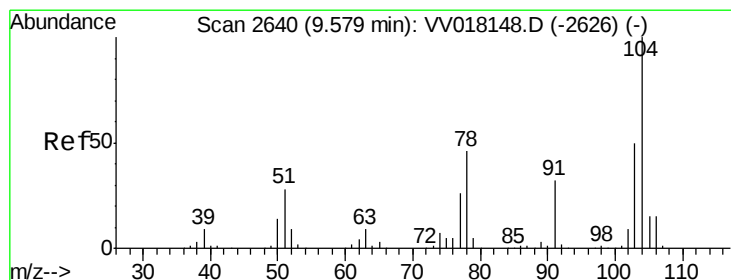
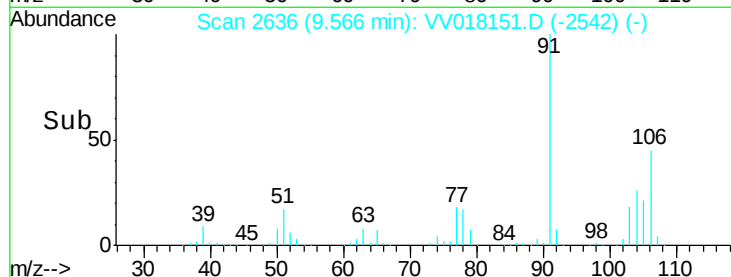
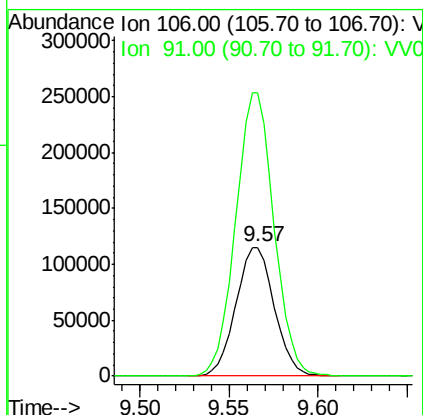
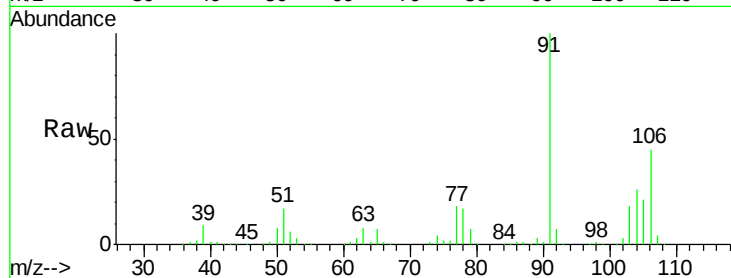




#54
o-Xylene
Concen: 60.556 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

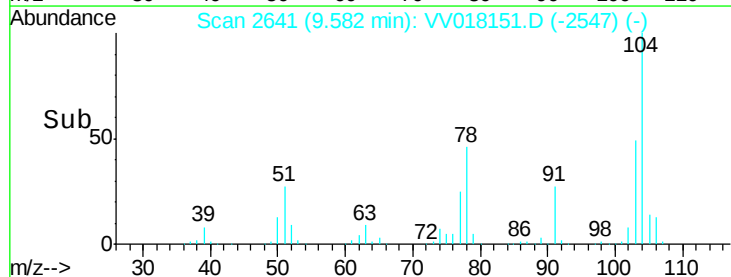
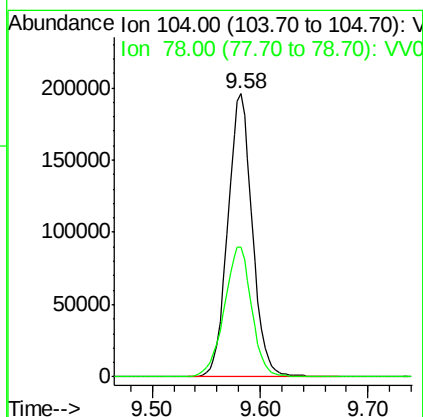
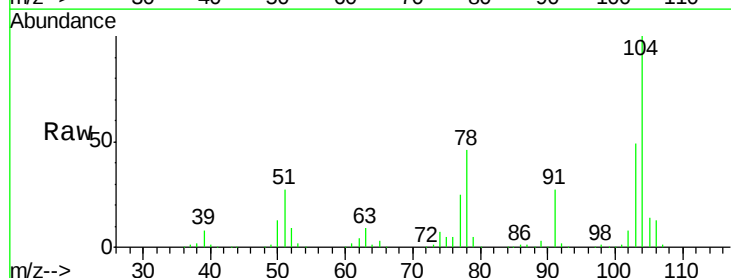
Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

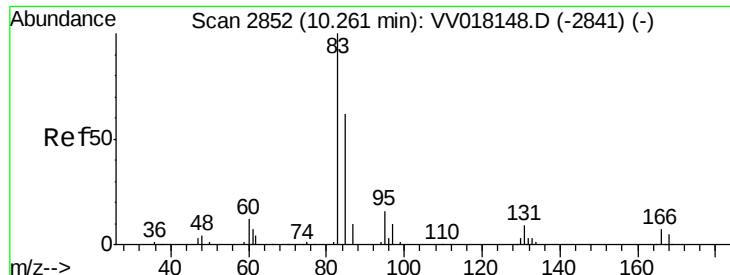
Tot Ion:106 Resp: 173345
Ion Ratio Lower Upper
106 100
91 220.2 150.4 279.2



#55
Styrene
Concen: 64.448 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion:104 Resp: 310780
Ion Ratio Lower Upper
104 100
78 45.8 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 68.037 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

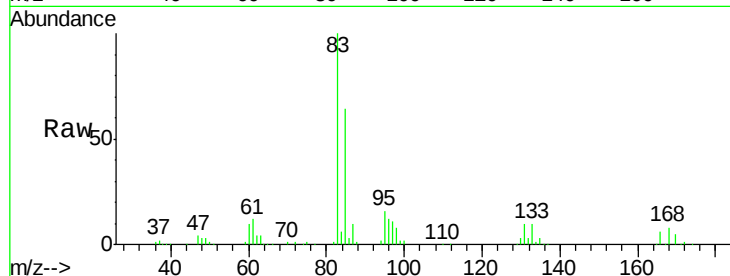
Tot Ion: 83 Resp: 164997

Ion	Ratio	Lower	Upper
83	100		
85	63.8	44.6	82.8
131	9.7	9.3	13.9

83 100

85 63.8 44.6 82.8

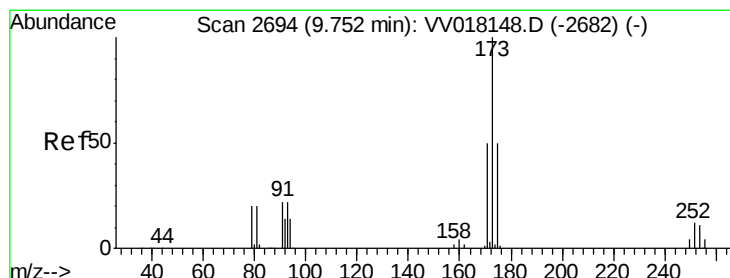
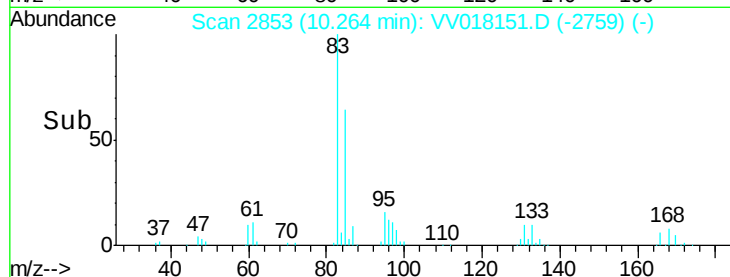
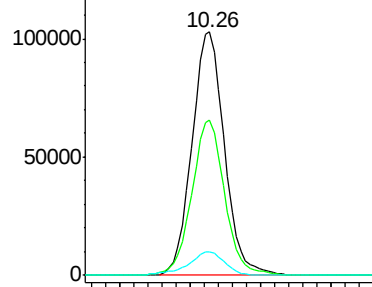
131 9.7 9.3 13.9



Abundance Ion 83.00 (82.70 to 83.70): VV018151.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018151.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018151.D (-2759) (-)



#59

Bromoform

Concen: 50.965 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

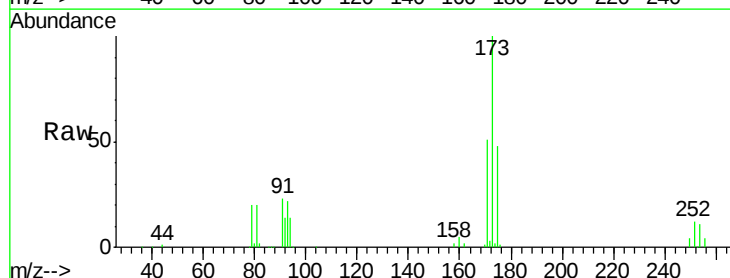
Tgt Ion: 173 Resp: 86606

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.3	57.5
254	11.4	8.9	13.3

173 100

175 48.5 38.3 57.5

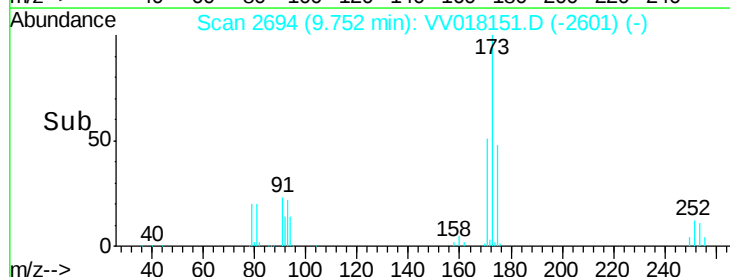
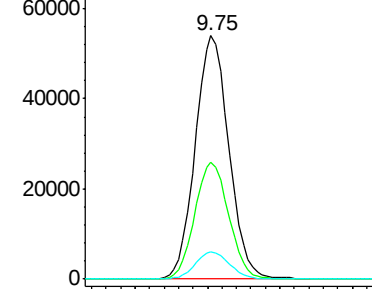
254 11.4 8.9 13.3

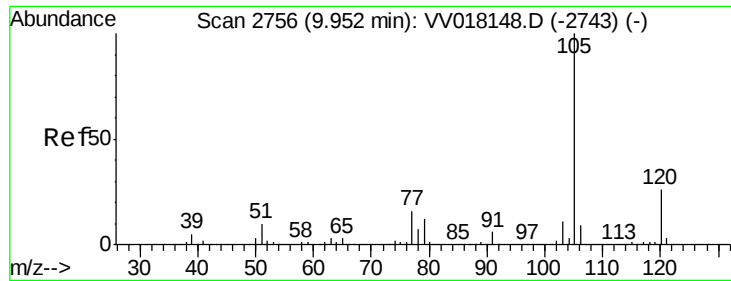


Abundance Ion 173.00 (172.70 to 173.70): VV018151.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV018151.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018151.D (-2601) (-)





#60

Isopropylbenzene

Concen: 59.153 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

Instrument :

MSVOA_V

ClientSampleId :

A5169MSD

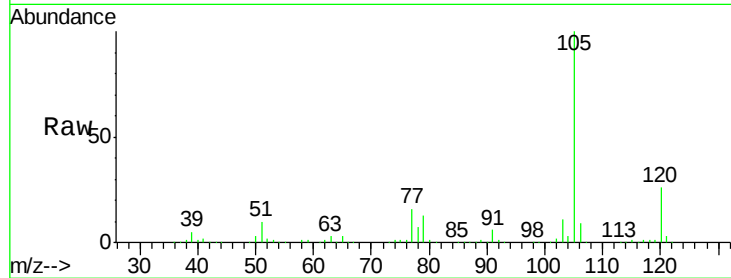
Tot Ion:105 Resp: 469122

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

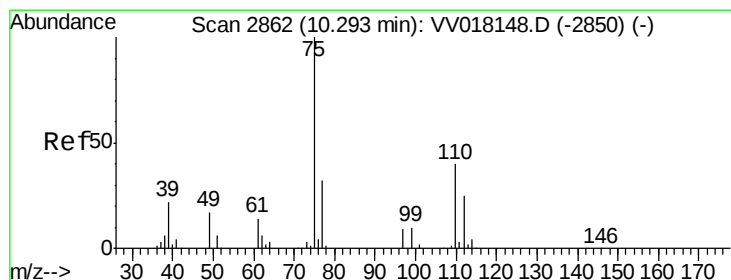
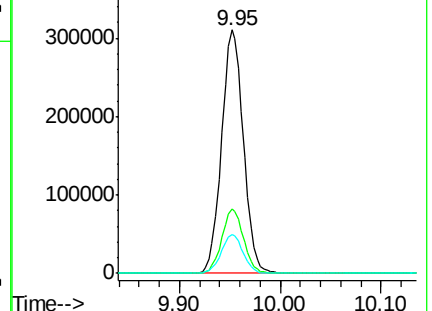
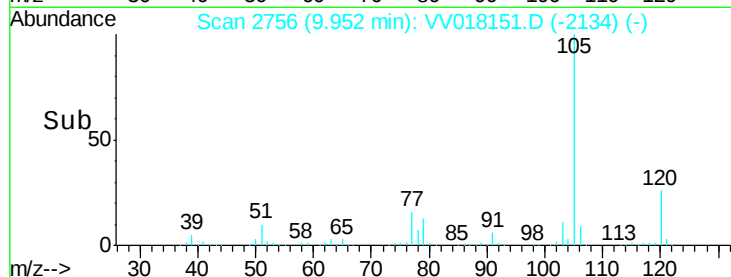
77 16.0 11.6 17.4



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



#61

1,2,3-Trichloropropane

Concen: 70.420 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018151.D

Acq: 03 Sep 2020 12:43

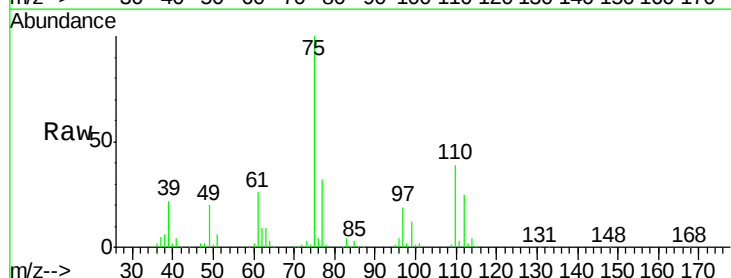
Tgt Ion: 75 Resp: 138532

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

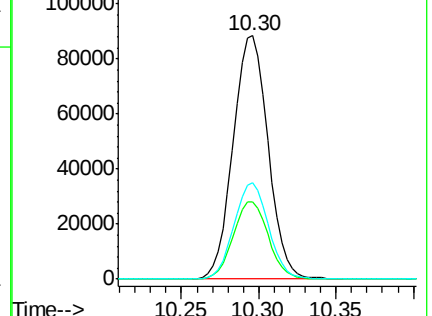
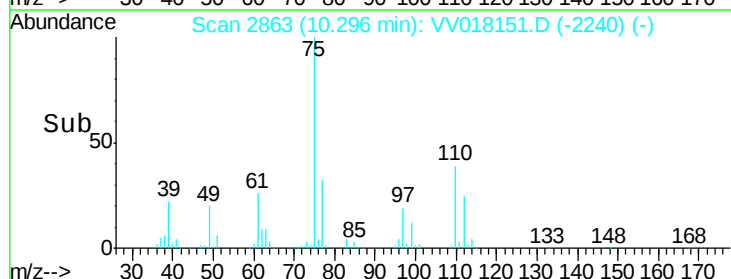
110 38.9 34.2 51.4

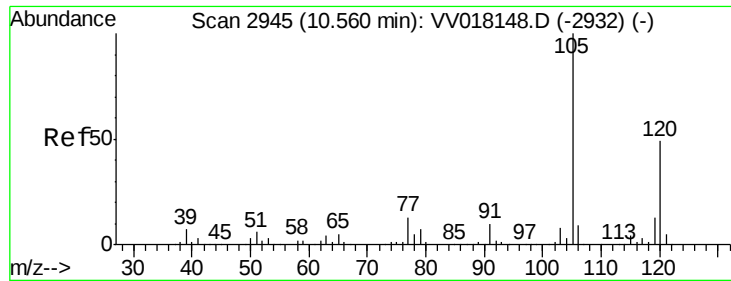


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

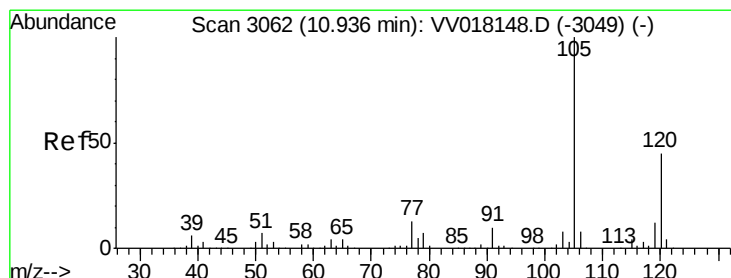
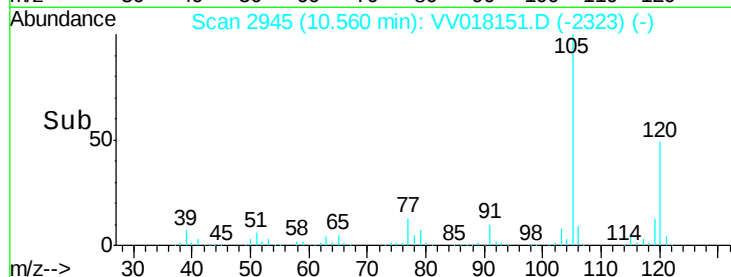
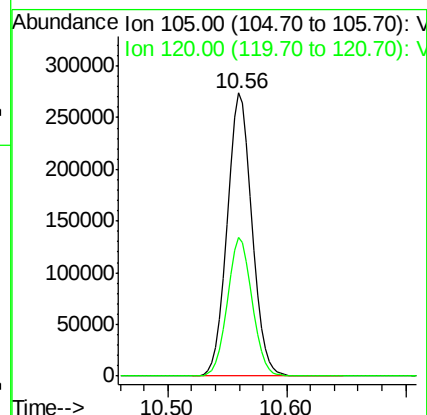
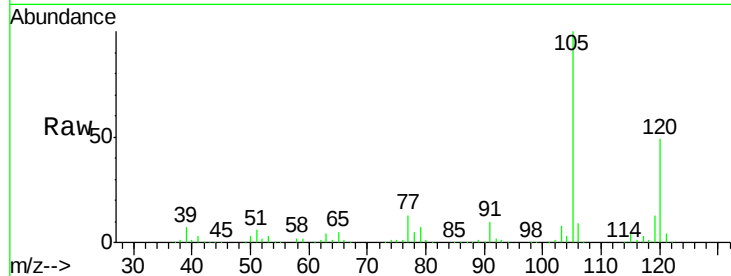




#62
 1,3,5-Trimethylbenzene
 Concen: 57.568 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

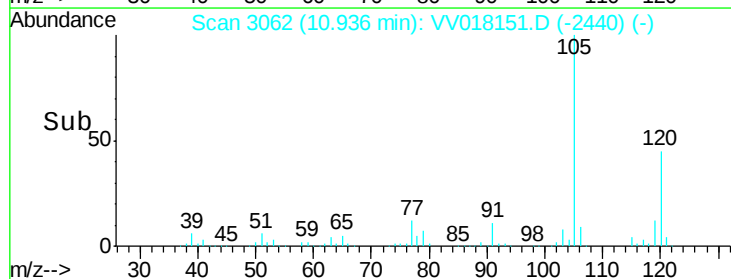
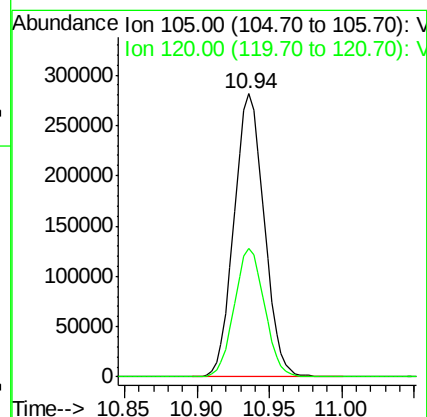
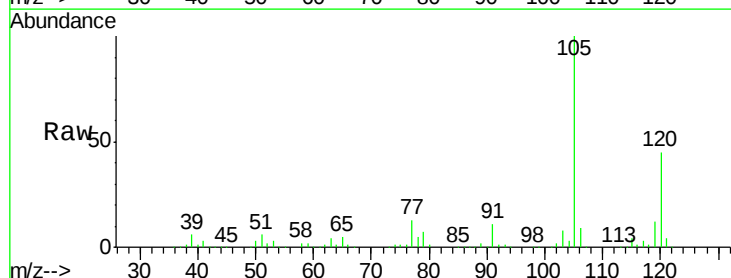
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

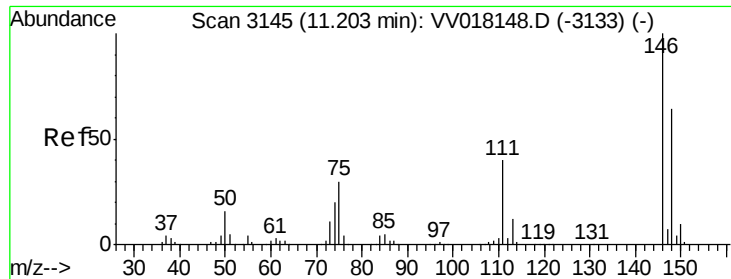
Tot Ion:105 Resp: 394690
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 60.205 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion:105 Resp: 407392
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.7 55.1

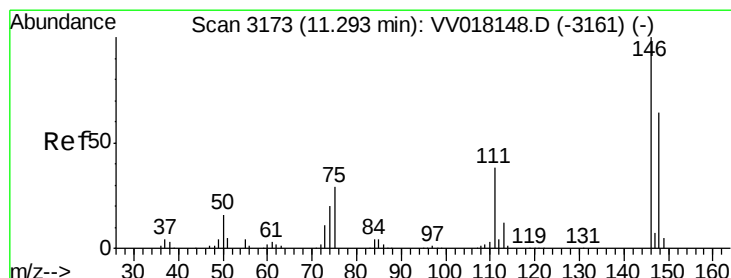
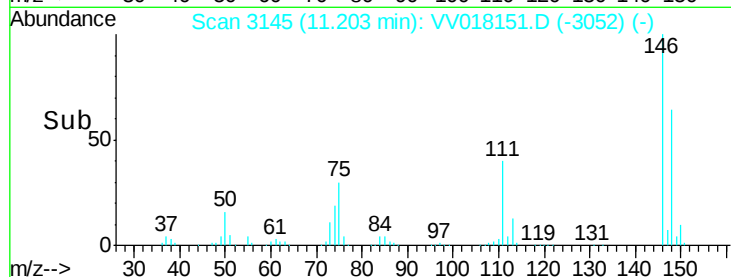
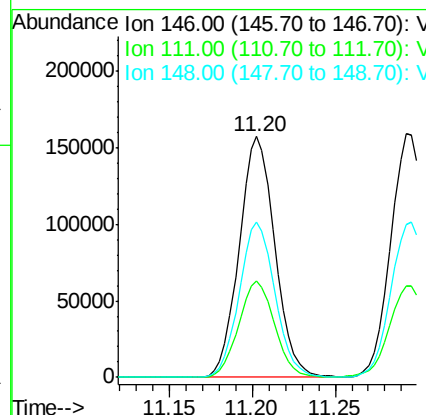
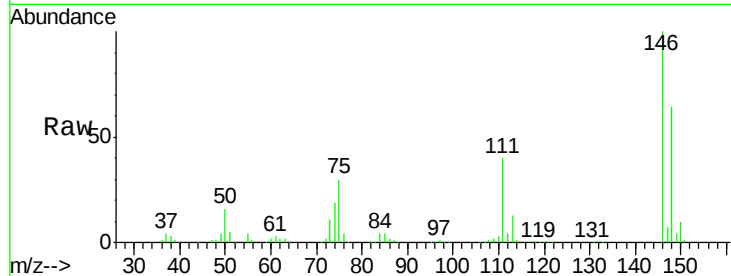




#64
 1,3-Dichlorobenzene
 Concen: 58.710 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

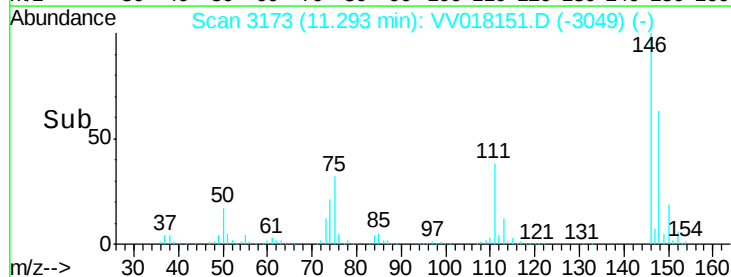
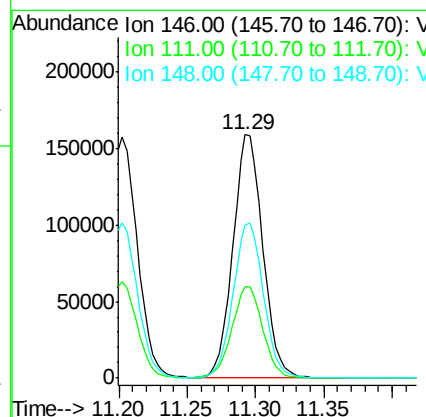
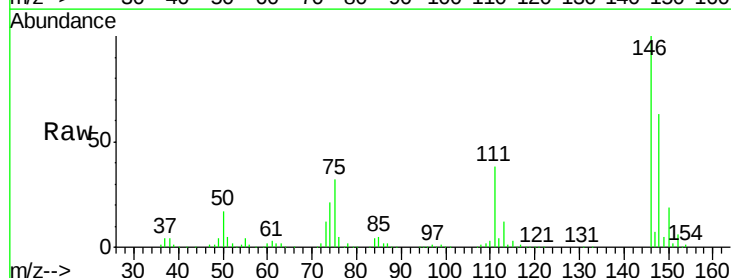
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

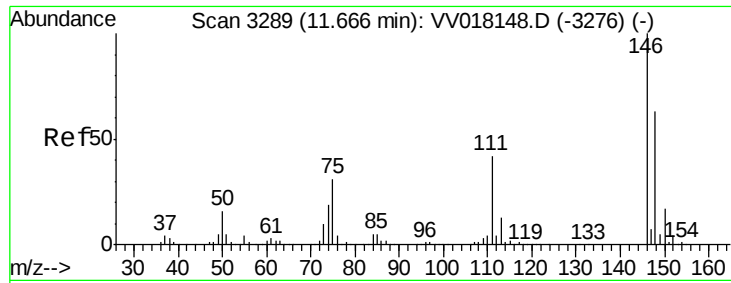
Tot Ion:146 Resp: 234929
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.8 49.8
 148 64.5 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 59.665 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion:146 Resp: 241325
 Ion Ratio Lower Upper
 146 100
 111 37.5 25.8 47.8
 148 63.0 45.2 84.0

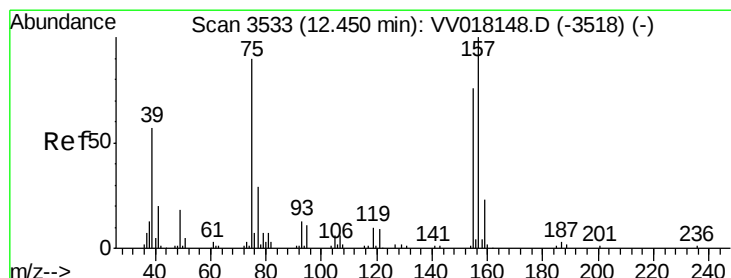
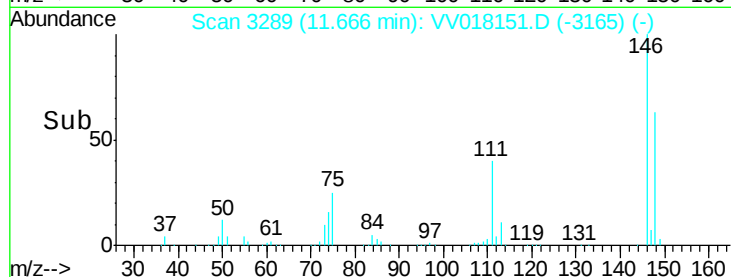
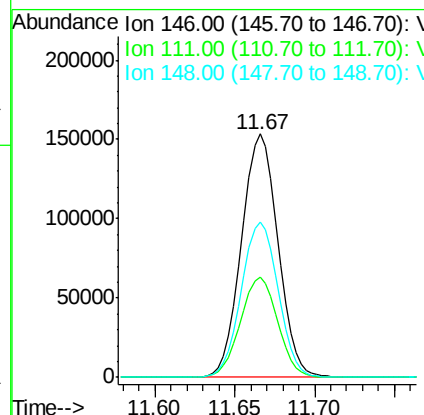
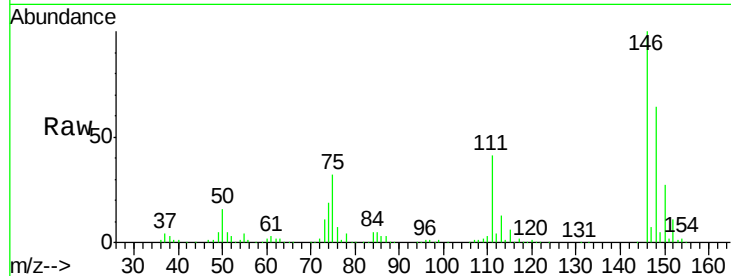




#67
 1,2-Dichlorobenzene
 Concen: 58.468 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

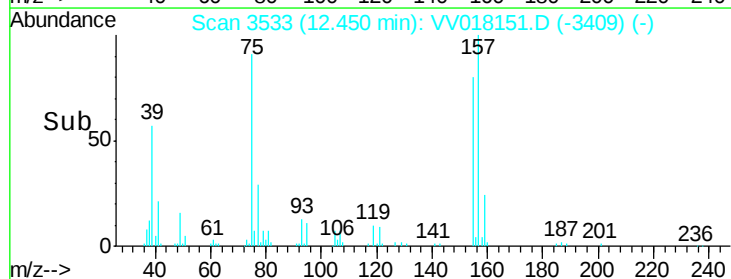
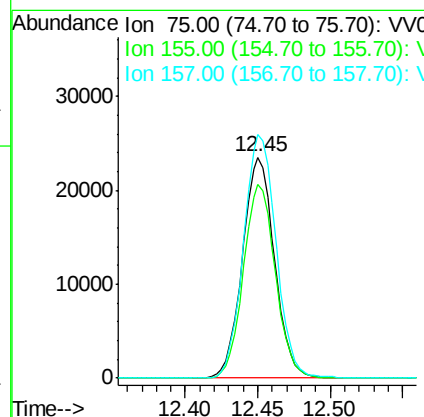
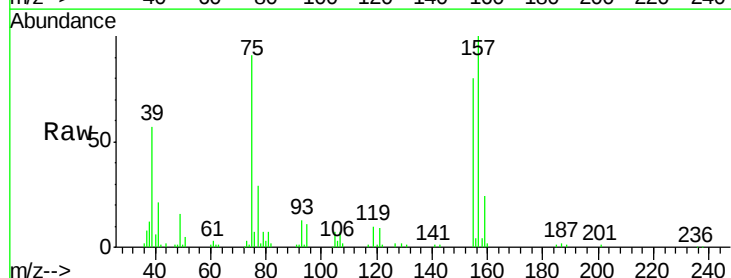
Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

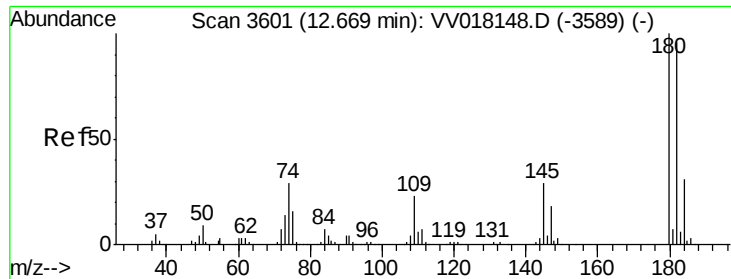
Tot Ion:146 Resp: 238711
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.2 48.2
 148 63.6 53.2 79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 55.689 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion: 75 Resp: 36105
 Ion Ratio Lower Upper
 75 100
 155 88.0 81.2 121.8
 157 110.3 102.3 153.5

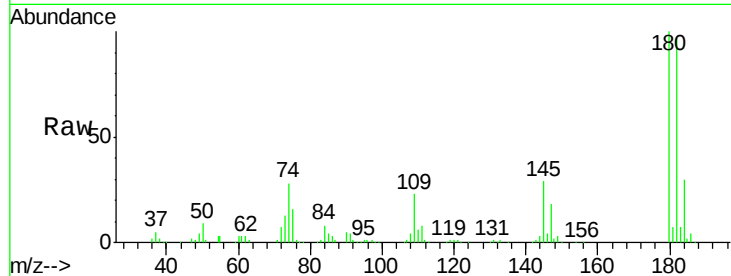




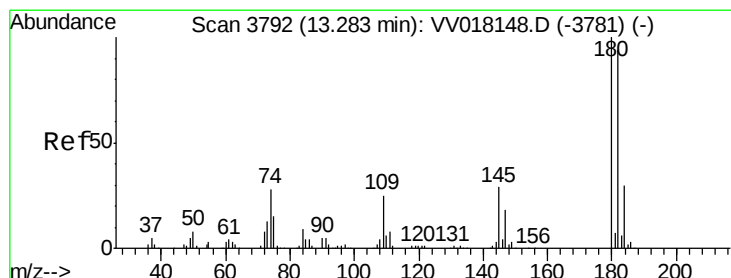
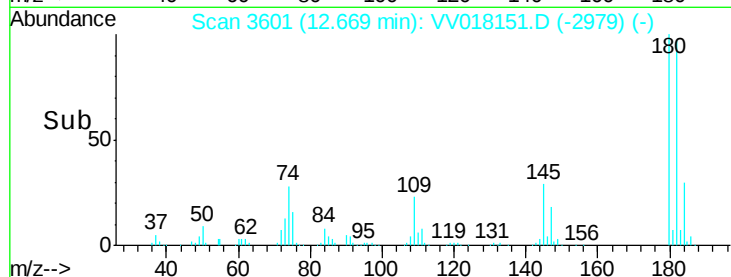
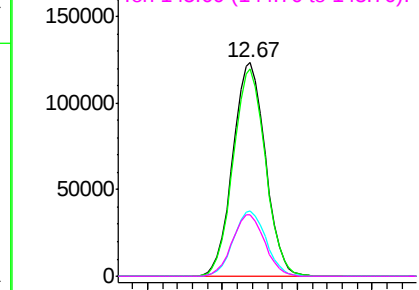
#69
 1,3,5-Trichlorobenzene
 Concen: 57.678 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169MSD

Tot Ion:180 Resp: 187093
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.5 114.7
 184 30.8 24.6 36.8
 145 28.6 22.5 33.7

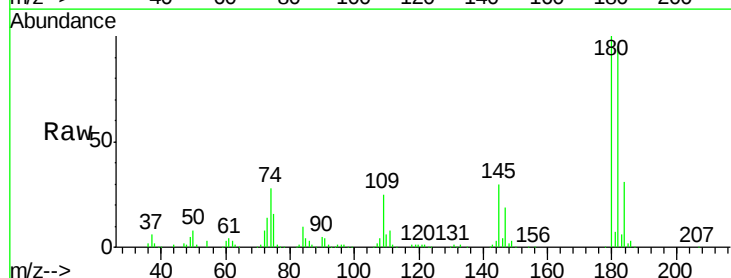


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

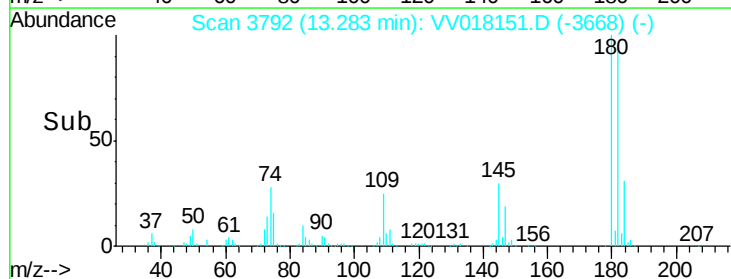
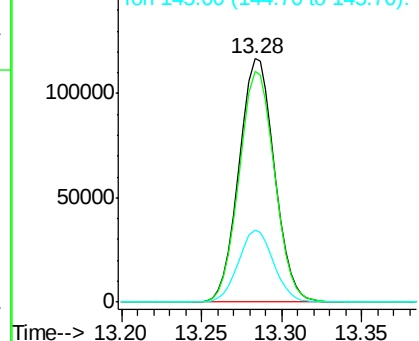


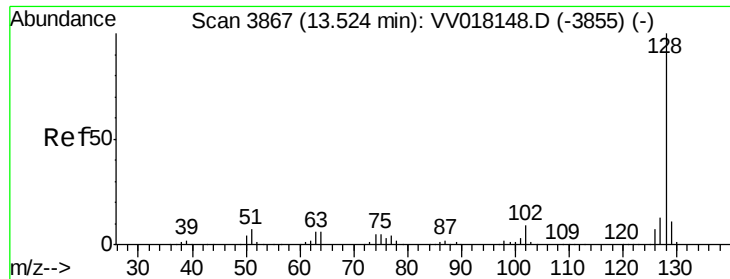
#70
 1,2,4-trichlorobenzene
 Concen: 62.427 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018151.D
 Acq: 03 Sep 2020 12:43

Tgt Ion:180 Resp: 175580
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.5 114.7
 145 29.4 23.3 34.9



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

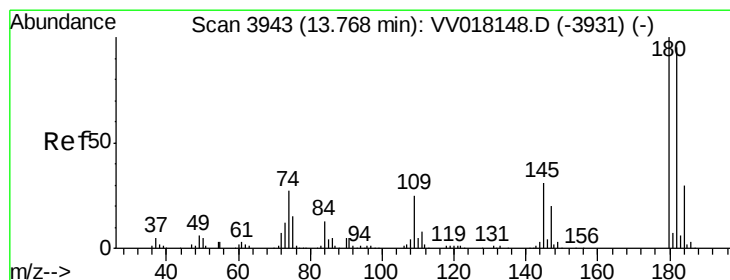
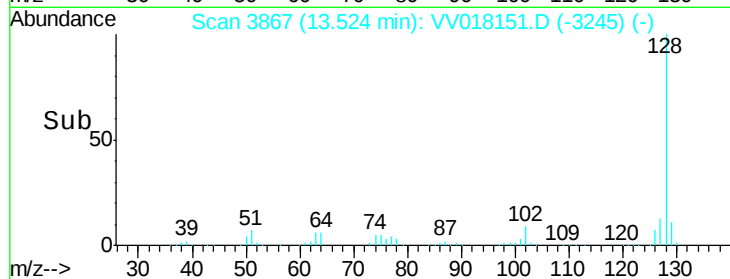
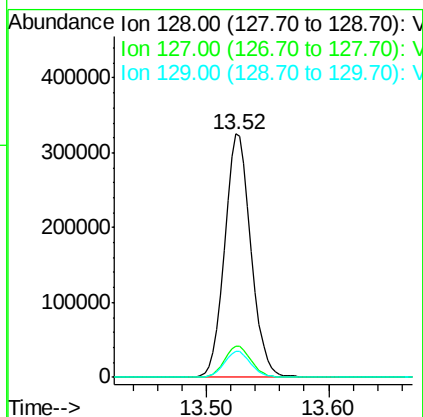
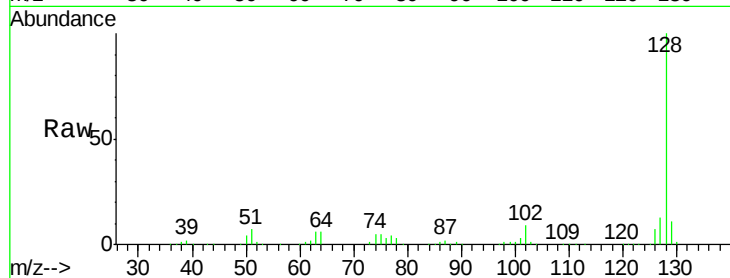




#71
Naphthalene
Concen: 68.994 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Instrument :
MSVOA_V
ClientSampleId :
A5169MSD

Tot Ion:128 Resp: 491813
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 63.342 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018151.D
Acq: 03 Sep 2020 12:43

Tgt Ion:180 Resp: 179281
Ion Ratio Lower Upper
180 100
182 94.9 77.2 115.8
145 31.8 24.6 36.8

