

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100520\
 Data File : VV018668.D
 Acq On : 05 Oct 2020 11:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 02:04:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 04:50:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	277163	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	274747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	138578	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85055	52.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.66%
7) Chloroethane-d5	1.58	69	70859	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.44%
11) 1,1-Dichloroethene-d2	2.12	63	168784	50.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.92%
21) 2-Butanone-d5	3.92	46	123916	102.20	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.20%
24) Chloroform-d	4.37	84	181830	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
26) 1,2-Dichloroethane-d4	5.05	65	114899	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
32) Benzene-d6	5.07	84	343233	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
36) 1,2-Dichloropropane-d6	6.09	67	106842	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.62%
41) Toluene-d8	7.33	98	315469	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%
43) trans-1,3-Dichloropropene-	7.64	79	55274	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	8.11	63	72556	90.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.84%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	131283	47.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.18%
64) 1,2-Dichlorobenzene-d4	11.64	152	108934	40.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	77189	40.959	ug/L 99
3) Chloromethane	1.25	50	79670	39.509	ug/L 100
5) Vinyl chloride	1.32	62	100772	47.531	ug/L 100
6) Bromomethane	1.53	94	65566	45.439	ug/L 99
8) Chloroethane	1.60	64	63349	48.488	ug/L 99
9) Trichlorofluoromethane	1.77	101	149054	46.257	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	87158	48.327	ug/L 95
12) 1,1-Dichloroethene	2.13	96	79297	45.831	ug/L 97
13) Acetone	2.20	43	103728	99.020	ug/L 98
14) Carbon disulfide	2.31	76	270050	48.182	ug/L 100
15) Methyl Acetate	2.45	43	98779	48.946	ug/L 99
16) Methylene chloride	2.52	84	105175	50.648	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	96540	48.763	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	291865	48.386	ug/L 99
19) 1,1-Dichloroethane	3.21	63	177512	51.209	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	102978	48.943	ug/L 98
22) 2-Butanone	4.00	43	138001	104.284	ug/L 99

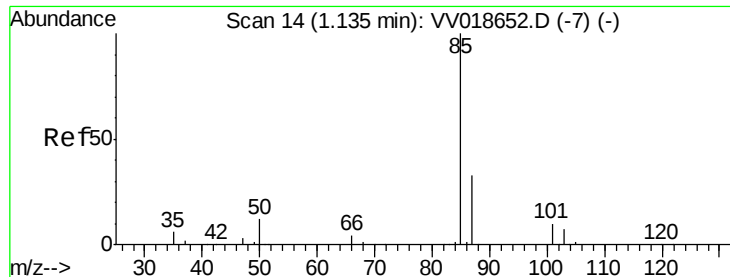
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56151	48.532	ug/L	93
25) Chloroform	4.40	83	186779	51.029	ug/L	99
27) 1,2-Dichloroethane	5.15	62	149574	52.428	ug/L	100
29) Cyclohexane	4.70	56	149499	47.709	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	163681	47.988	ug/L	97
31) Carbon tetrachloride	4.85	117	145119	47.406	ug/L	99
33) Benzene	5.12	78	402475	49.863	ug/L	100
34) Trichloroethene	5.94	95	114988	49.070	ug/L	95
35) Methylcyclohexane	6.15	83	141995	44.919	ug/L	97
37) 1,2-Dichloropropane	6.19	63	102211	49.356	ug/L	100
38) Bromodichloromethane	6.53	83	138934	50.096	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	161498	49.705	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	267984	100.286	ug/L	98
42) Toluene	7.41	91	435048	49.823	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	159086	49.844	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	100572	49.058	ug/L	99
46) Tetrachloroethene	7.99	164	82557	43.426	ug/L	96
48) 2-Hexanone	8.16	43	215687	103.449	ug/L	96
49) Dibromochloromethane	8.27	129	112040	47.782	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105725	48.505	ug/L #	99
51) Chlorobenzene	8.90	112	281119	47.589	ug/L	98
52) Ethylbenzene	9.03	91	476585	48.873	ug/L	99
53) m,p-Xylene	9.16	106	182414	48.404	ug/L	100
54) o-xylene	9.56	106	174503	48.908	ug/L	99
55) Styrene	9.58	104	311520	50.143	ug/L	96
56) Isopropylbenzene	9.95	105	458338	47.899	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	132743	45.938	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	123705	49.110	ug/L	98
61) Bromoform	9.75	173	73760	46.337	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	219893	49.031	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	226536	49.053	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	191340	43.126	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	25480	42.068	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	117241	37.739	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	108377	37.490	ug/L	99
69) Naphthalene	13.52	128	353490	42.717	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	111811	38.529	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 40.959 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

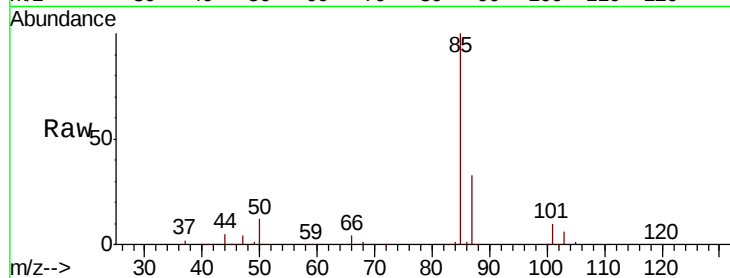
ClientSampleId :

Tot Ion: 85 Resp: 77189

Ion Ratio Lower Upper

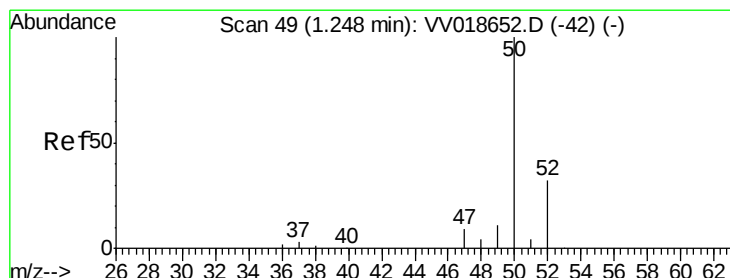
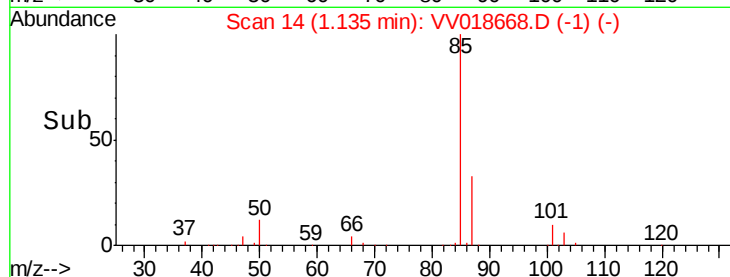
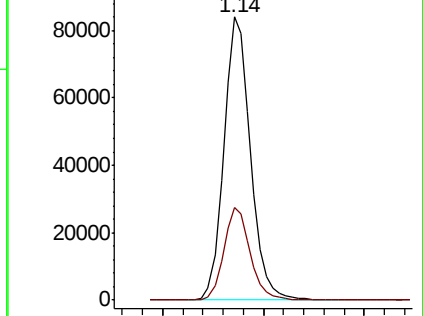
85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 39.509 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018668.D

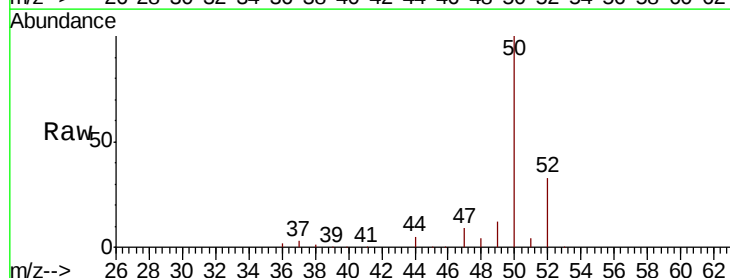
Acq: 05 Oct 2020 11:58

Tgt Ion: 50 Resp: 79670

Ion Ratio Lower Upper

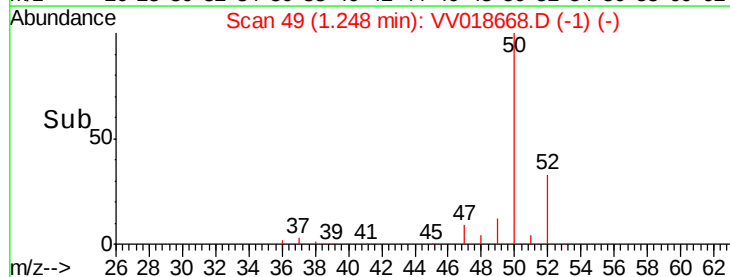
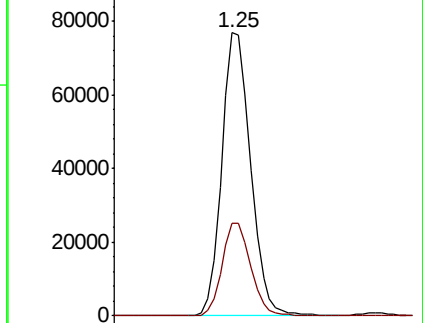
50 100

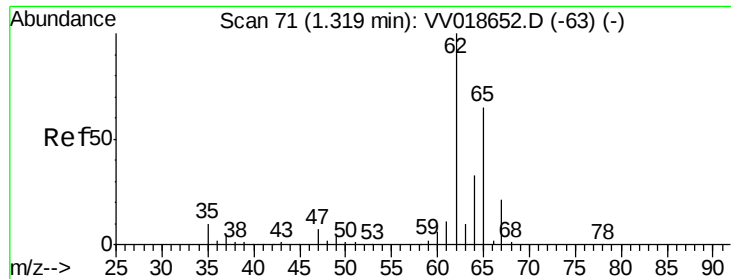
52 32.5 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.531 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

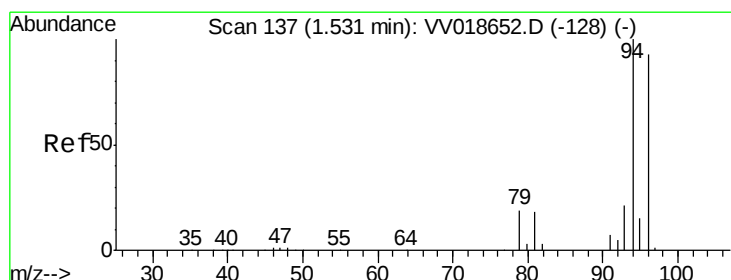
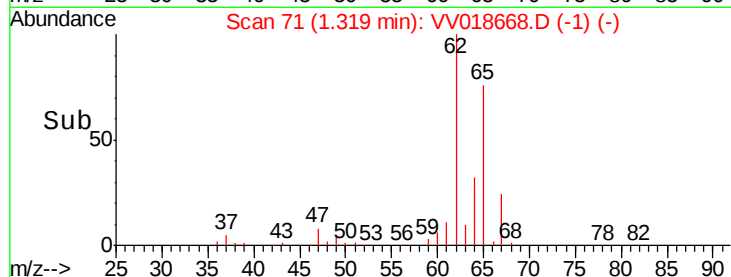
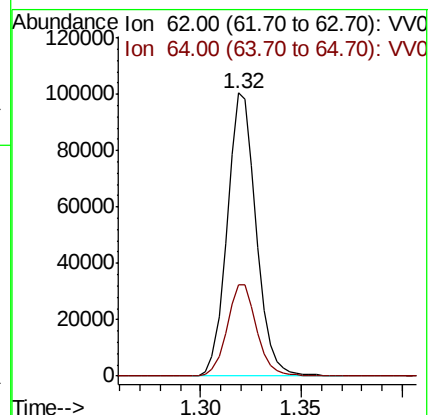
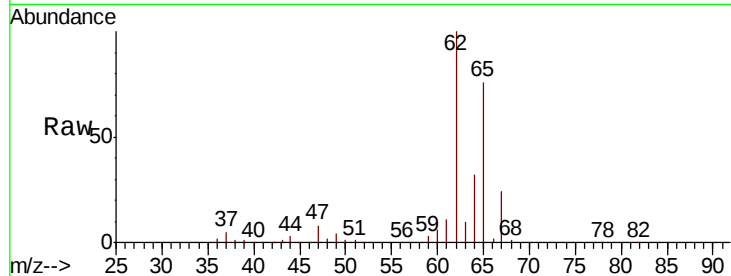
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 100772

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#6

Bromomethane

Concen: 45.439 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018668.D

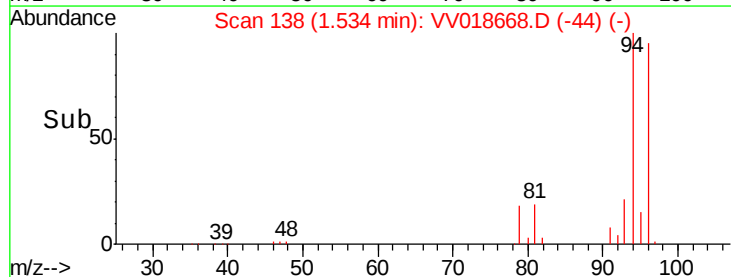
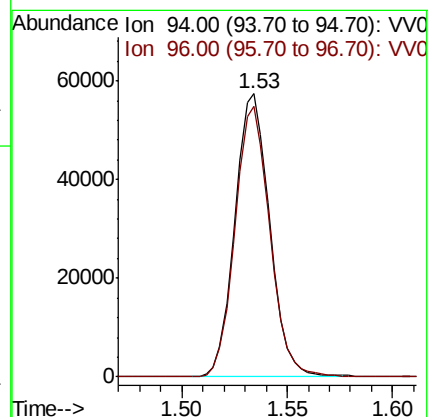
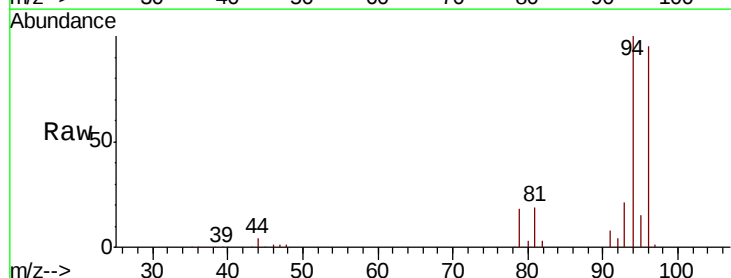
Acq: 05 Oct 2020 11:58

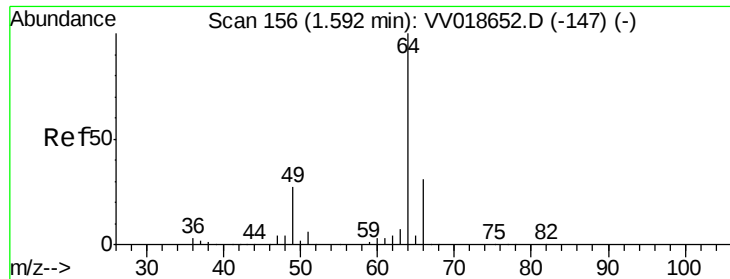
Tgt Ion: 94 Resp: 65566

Ion Ratio Lower Upper

94 100

96 95.4 67.5 125.4





#8

Chloroethane

Concen: 48.488 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

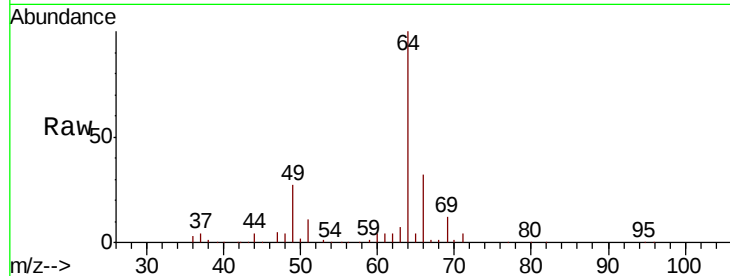
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 63349

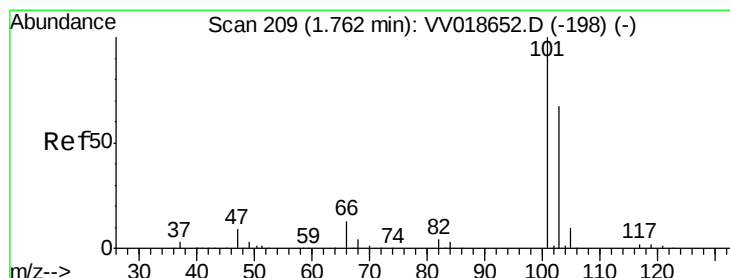
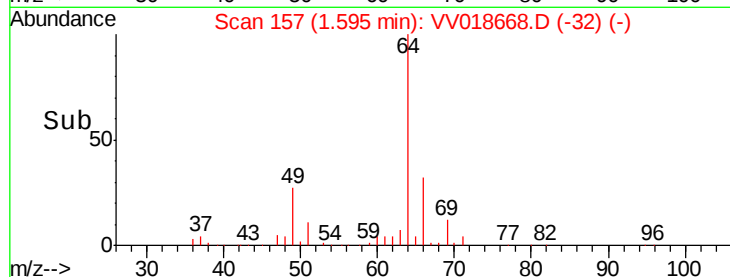
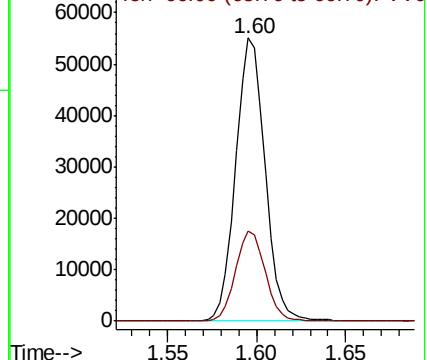
Ion Ratio Lower Upper

64 100

66 31.8 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018652.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 46.257 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018668.D

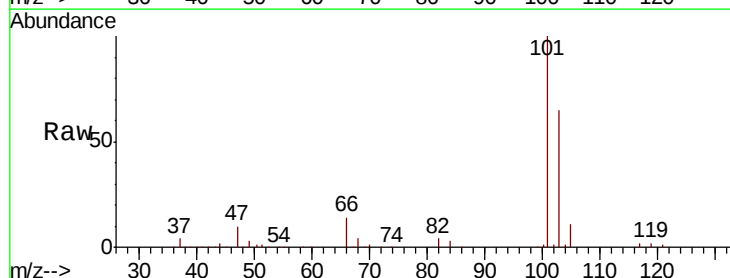
Acq: 05 Oct 2020 11:58

Tgt Ion: 101 Resp: 149054

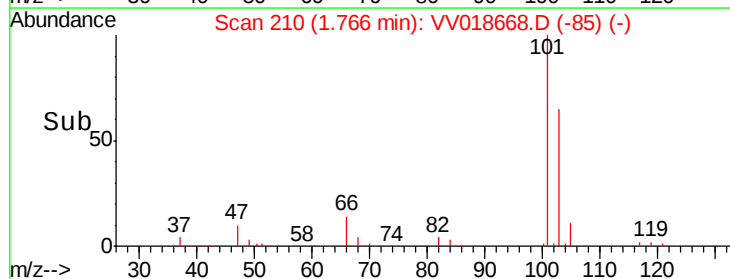
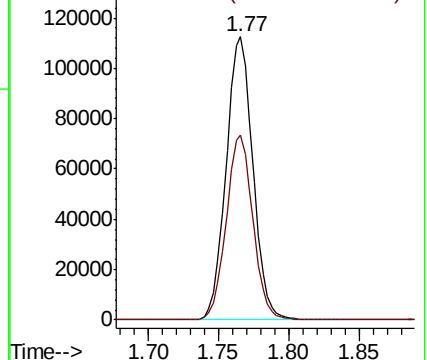
Ion Ratio Lower Upper

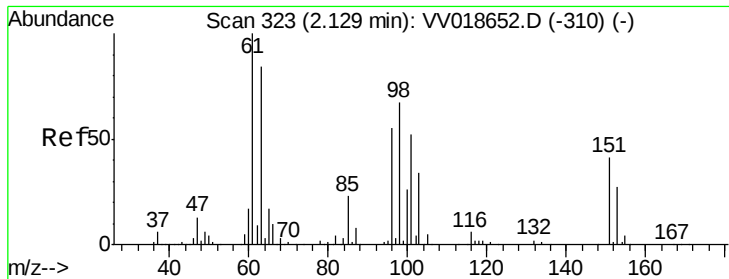
101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018652.D (-198) (-)





#10

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

Concen: 48.327 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

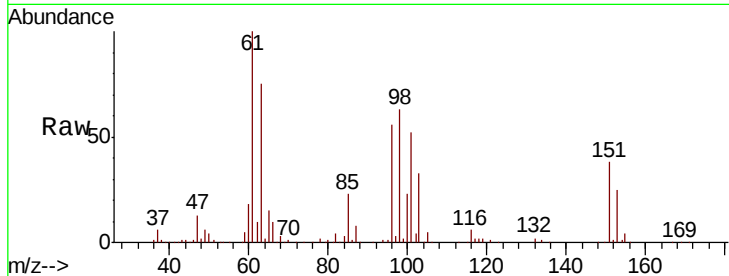
Tot Ion:101 Resp: 87158

Ion Ratio Lower Upper

101 100

85 43.4 34.6 52.0

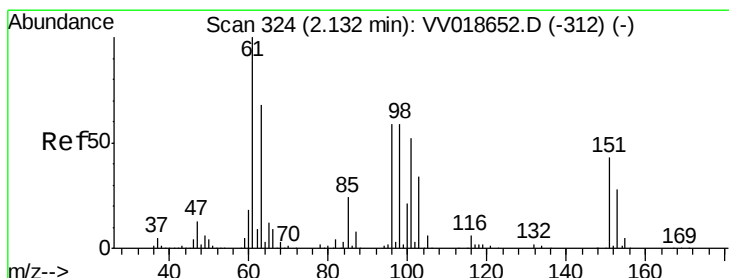
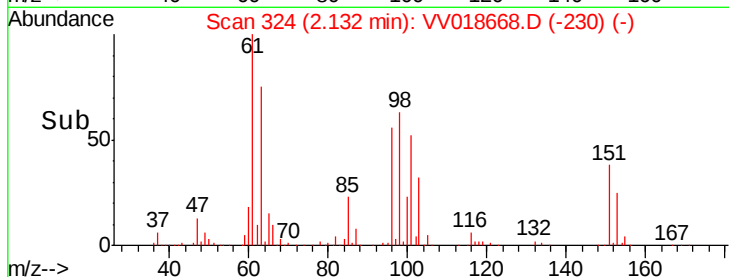
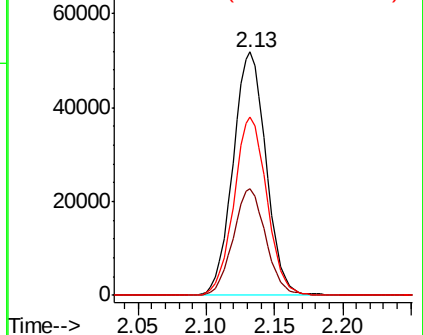
151 73.0 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018668.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018668.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018668.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 45.831 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

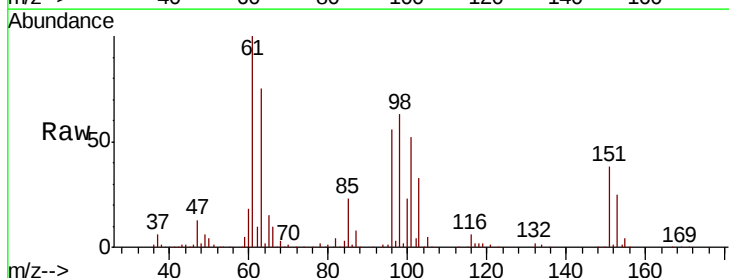
Tgt Ion: 96 Resp: 79297

Ion Ratio Lower Upper

96 100

61 180.1 122.8 228.1

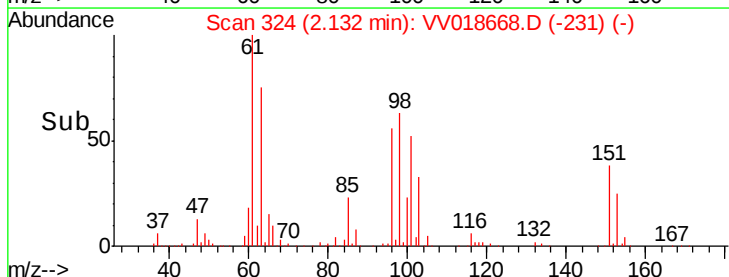
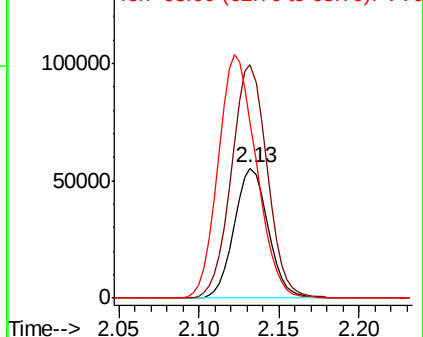
63 135.6 91.9 170.7

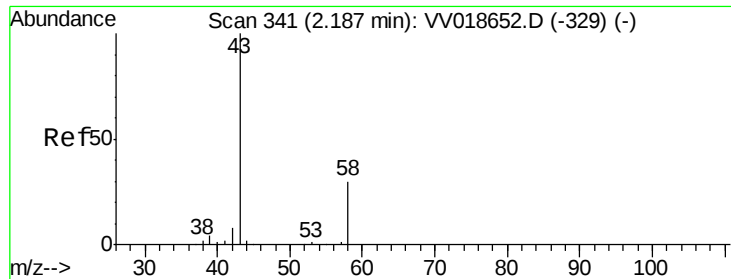


Abundance Ion 96.00 (95.70 to 96.70): VV018668.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018668.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018668.D (-231) (-)





#13

Acetone

Concen: 99.020 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

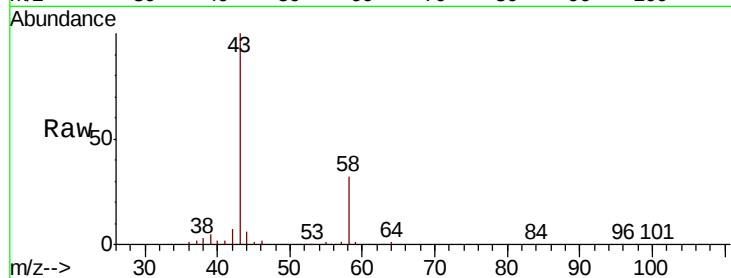
ClientSampleId :

Tot Ion: 43 Resp: 103728

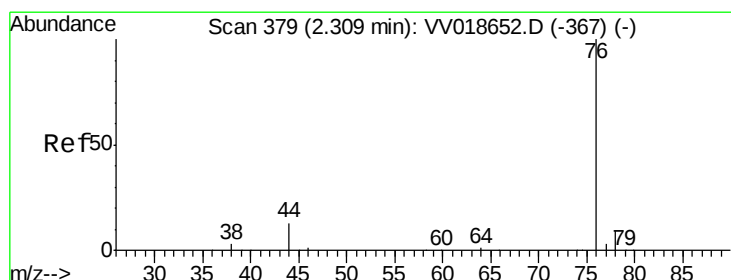
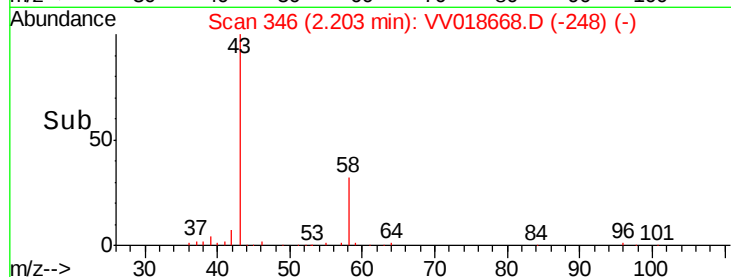
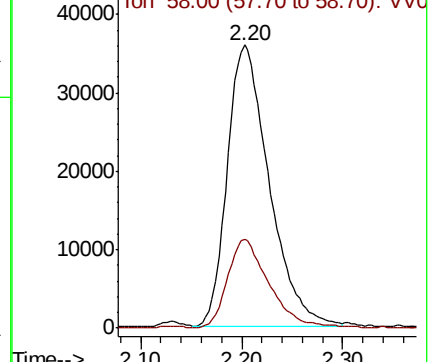
Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018668.D (-248) (-)



#14

Carbon disulfide

Concen: 48.182 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018668.D

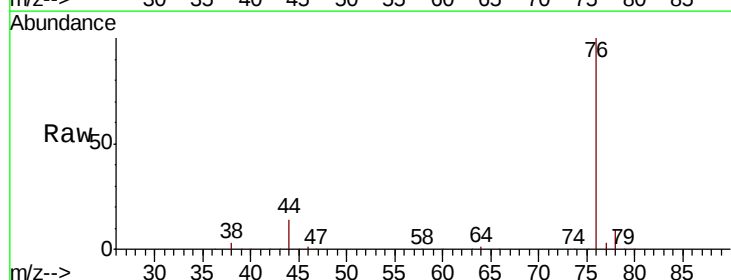
Acq: 05 Oct 2020 11:58

Tgt Ion: 76 Resp: 270050

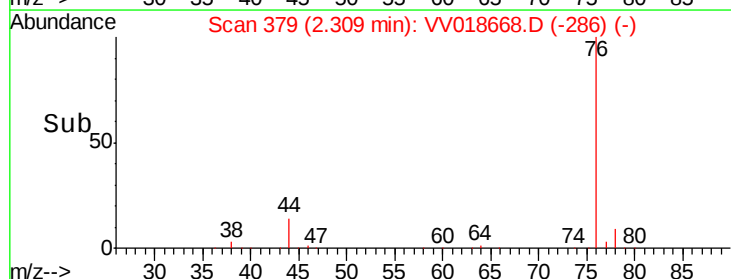
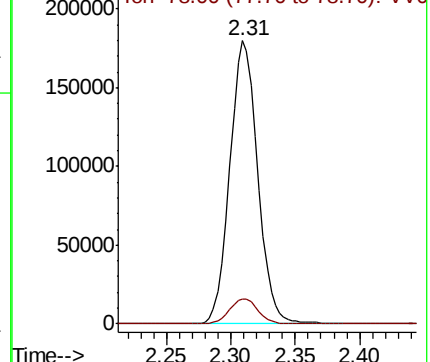
Ion Ratio Lower Upper

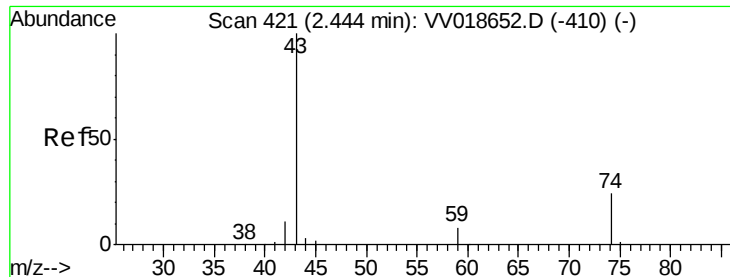
76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018668.D (-286) (-)

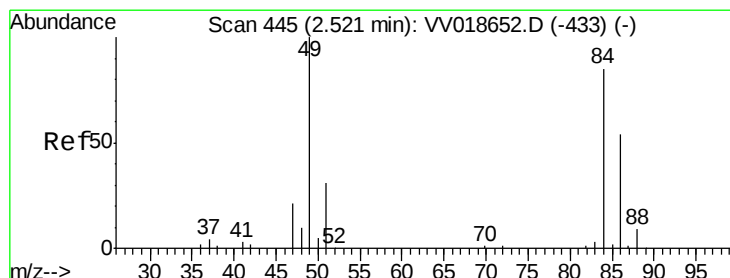
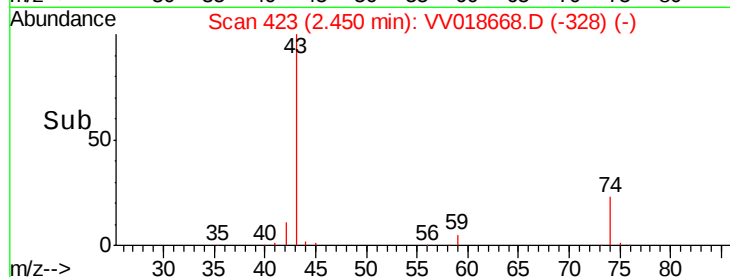
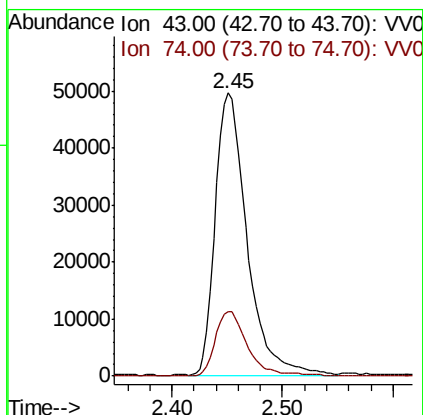
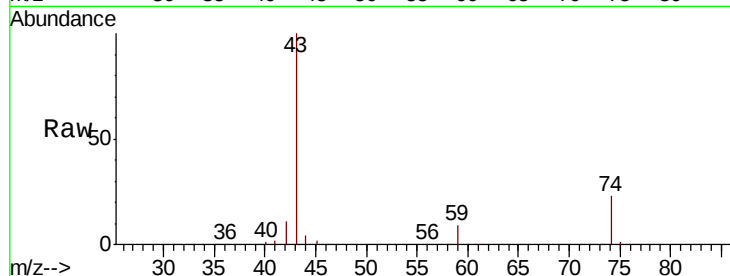




#15
Methvl Acetate
Concen: 48.946 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

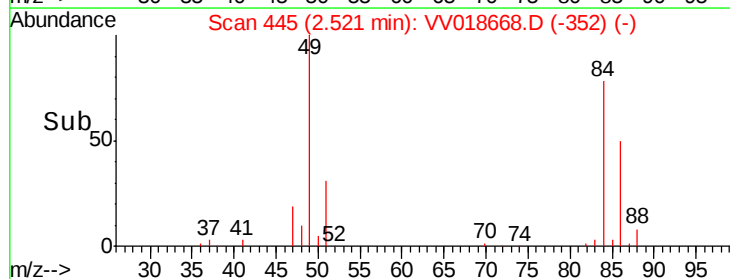
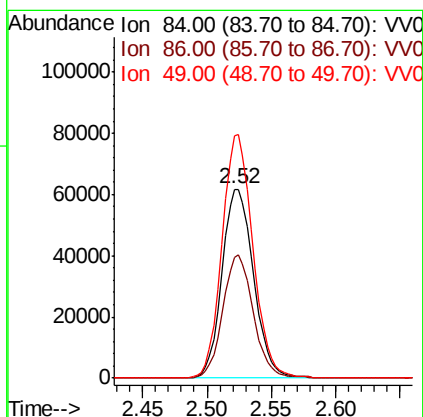
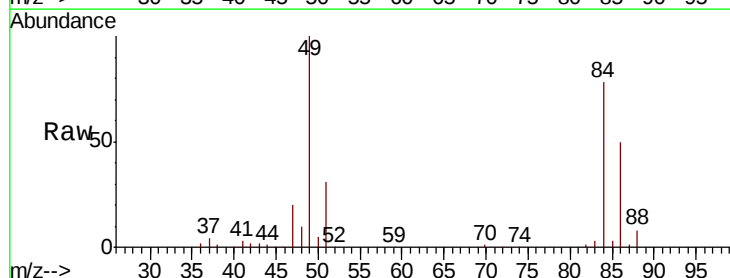
Instrument :
MSVOA_V
ClientSampled :

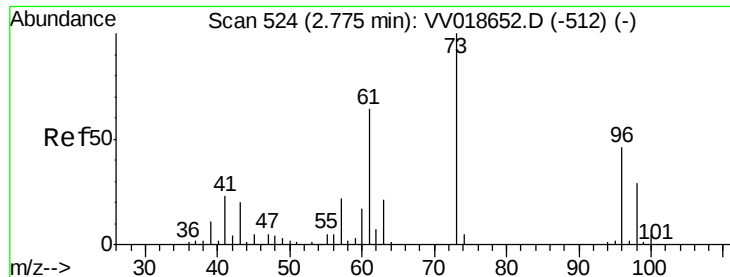
Tot Ion: 43 Resp: 98779
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



#16
Methylene chloride
Concen: 50.648 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion: 84 Resp: 105175
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 128.4 86.6 160.8

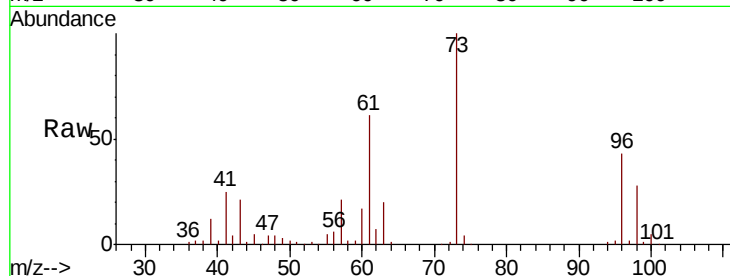




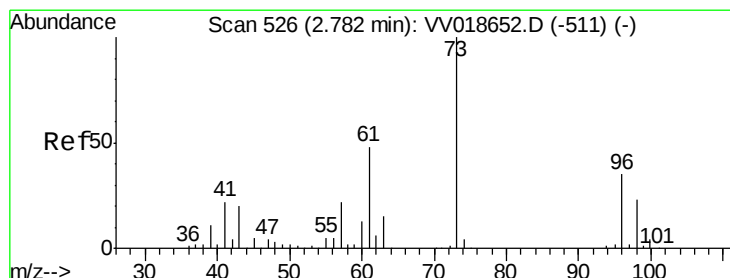
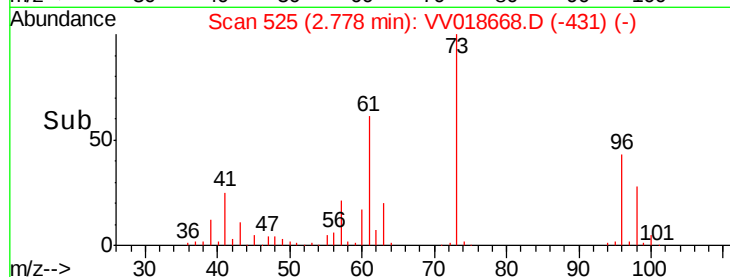
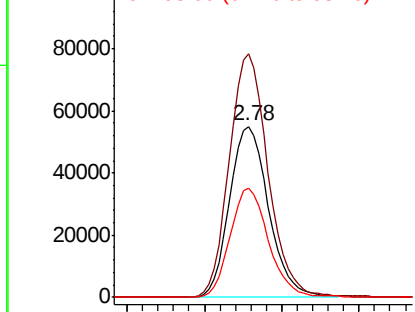
#17
trans-1,2-Dichloroethene
Concen: 48.763 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 96540
Ion Ratio Lower Upper
96 100
61 142.6 95.0 176.4
98 63.9 44.6 82.8

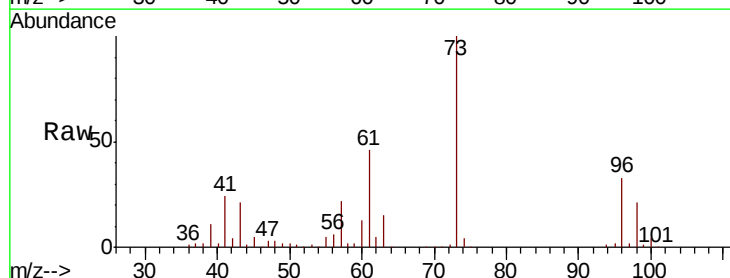


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

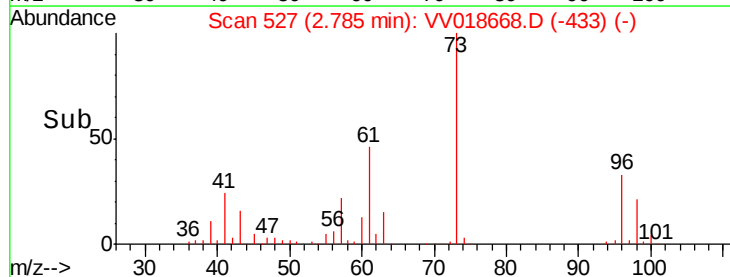
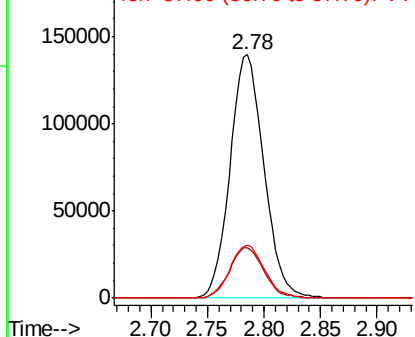


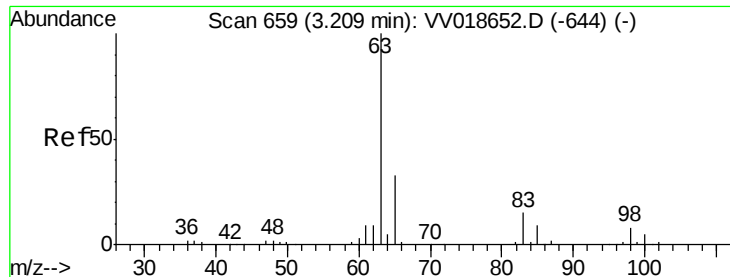
#18
Methyl tert-butyl Ether
Concen: 48.386 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion: 73 Resp: 291865
Ion Ratio Lower Upper
73 100
43 20.9 15.9 23.9
57 22.1 17.5 26.3



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

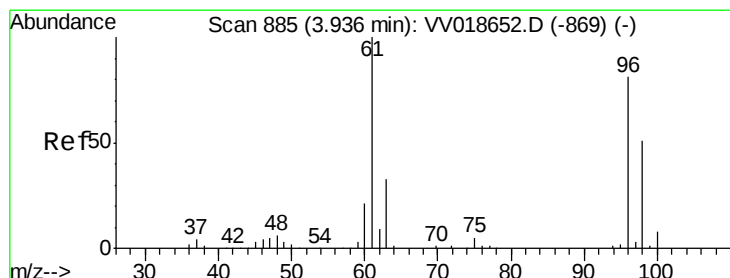
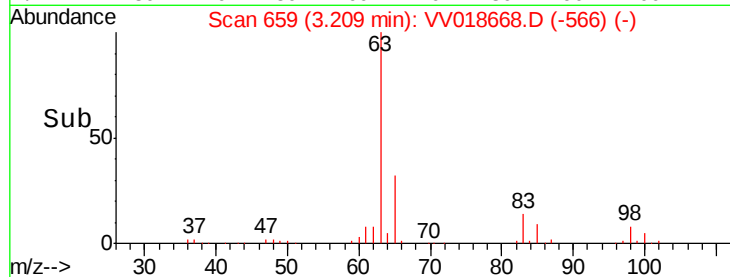
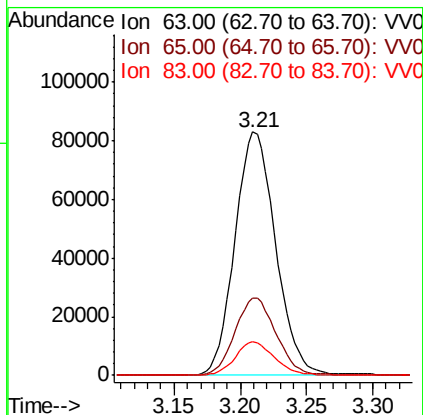
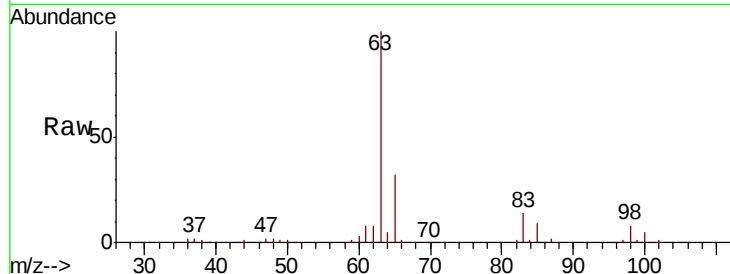




#19
 1,1-Dichloroethane
 Concen: 51.209 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

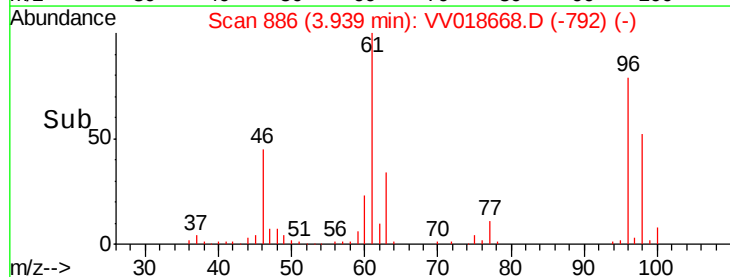
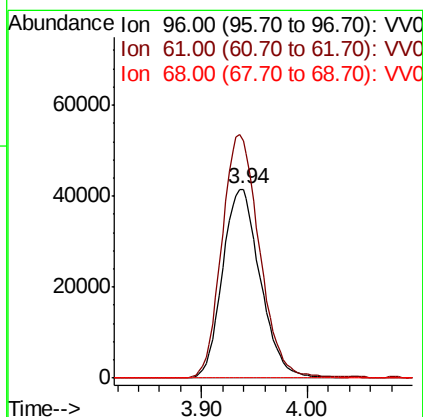
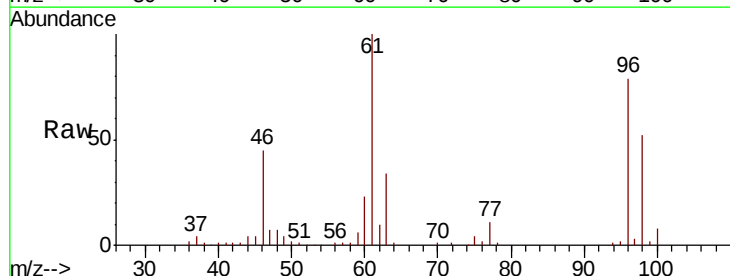
Instrument :
 MSVOA_V
 ClientSampled :

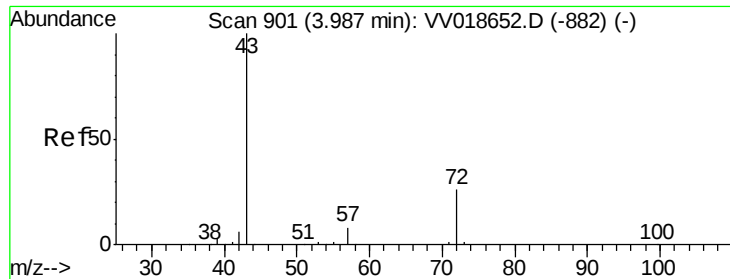
Tot Ion: 63 Resp: 177512
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.3 41.3
 83 13.9 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.943 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

Tgt Ion: 96 Resp: 102978
 Ion Ratio Lower Upper
 96 100
 61 125.9 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.284 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

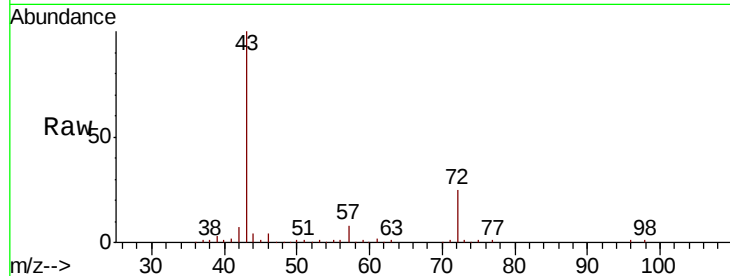
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 138001

Ion Ratio Lower Upper

43 100

72 23.7 12.1 36.3

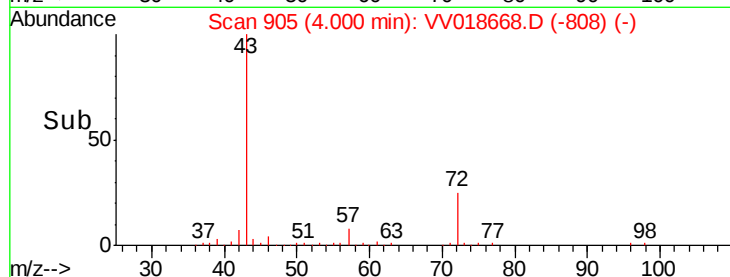


Abundance Ion 43.00 (42.70 to 43.70): VV018668.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV018668.D (-897) (-)

4.00

Time-->



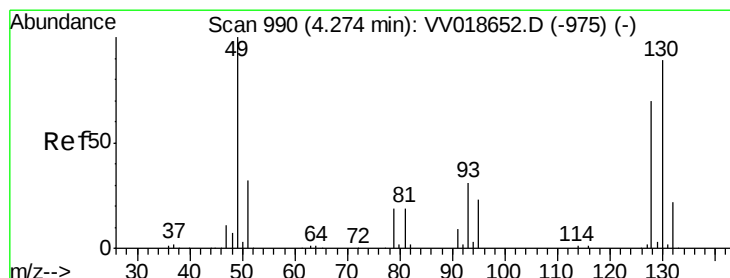
Abundance

Ion 43.00 (42.70 to 43.70): VV018668.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV018668.D (-897) (-)

4.00

Time-->



#23

Bromochloromethane

Concen: 48.532 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Tgt Ion:128 Resp: 56151

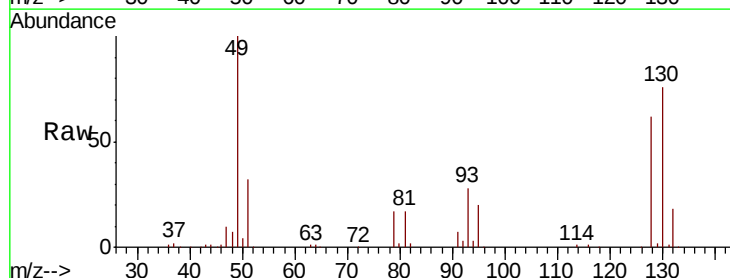
Ion Ratio Lower Upper

128 100

49 161.6 105.1 195.1

130 122.9 90.0 167.2

51 51.7 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018668.D (-897) (-)

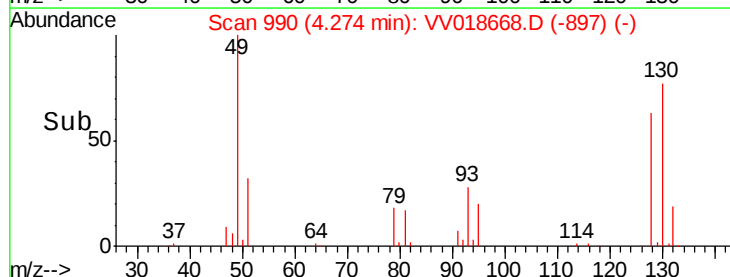
Ion 49.00 (48.70 to 49.70): VV018668.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018668.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018668.D (-897) (-)

4.27

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VV018668.D (-897) (-)

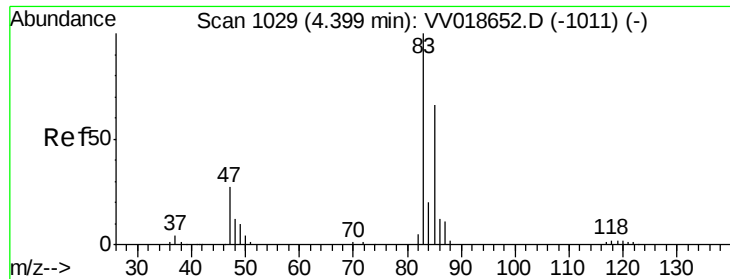
Ion 49.00 (48.70 to 49.70): VV018668.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018668.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018668.D (-897) (-)

4.27

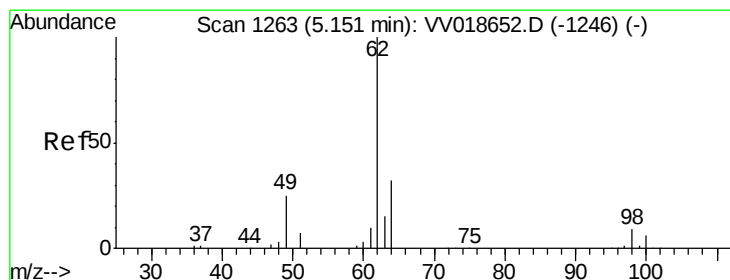
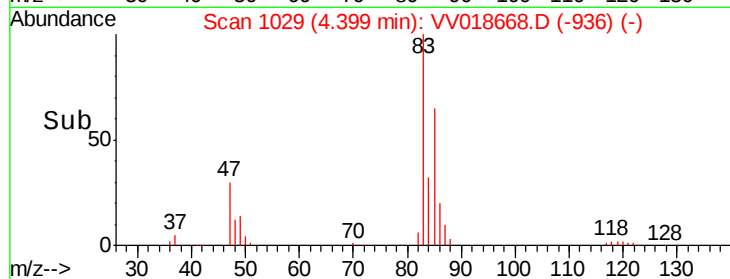
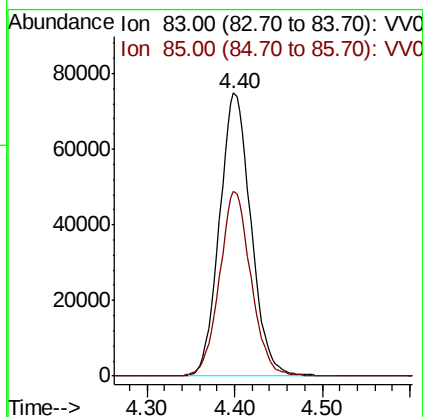
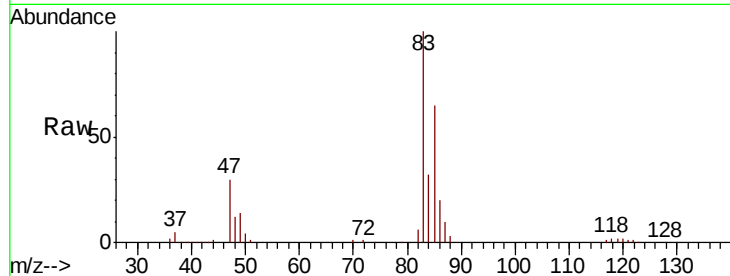
Time-->



#25
Chloroform
Concen: 51.029 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

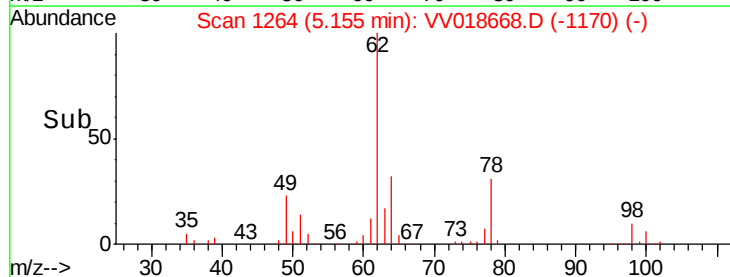
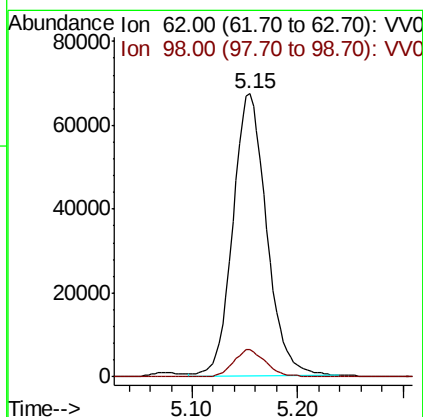
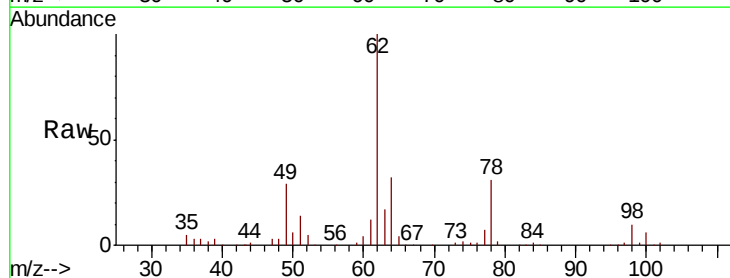
Instrument :
MSVOA_V
ClientSampleId :

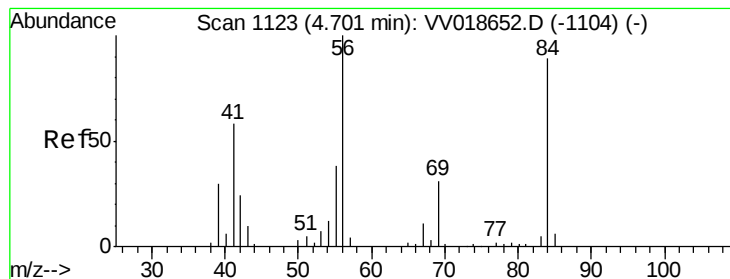
Tot Ion: 83 Resp: 186779
Ion Ratio Lower Upper
83 100
85 65.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.428 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion: 62 Resp: 149574
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#29

Cyclohexane

Concen: 47.709 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :

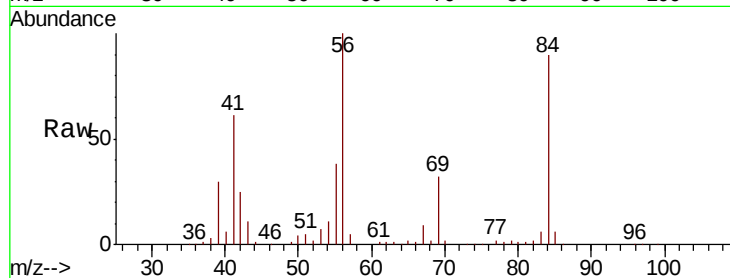
Tot Ion: 56 Resp: 149499

Ion Ratio Lower Upper

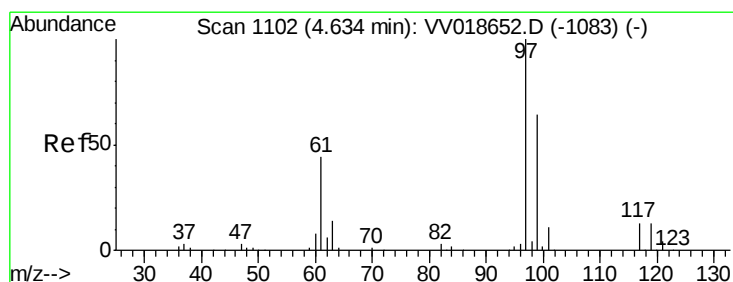
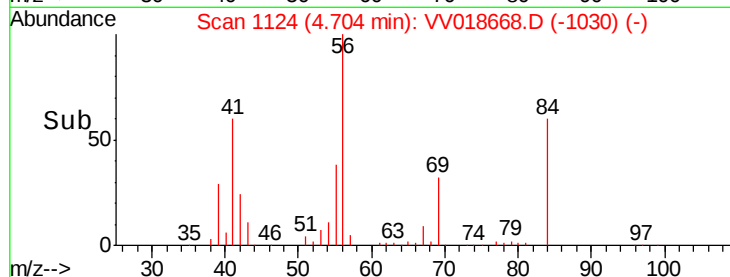
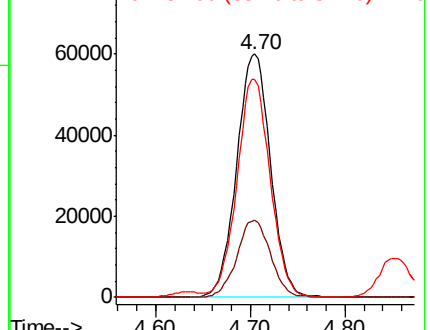
56 100

69 31.5 24.8 37.2

84 87.6 72.2 108.4



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: 47.988 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

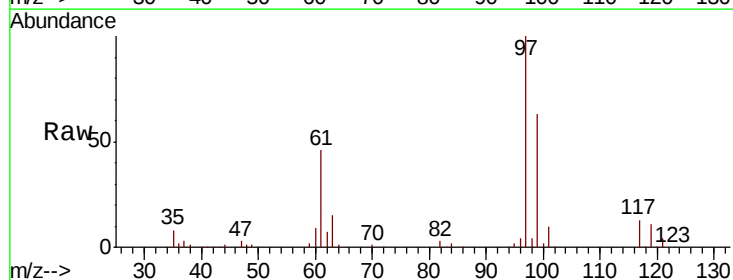
Tgt Ion: 97 Resp: 163681

Ion Ratio Lower Upper

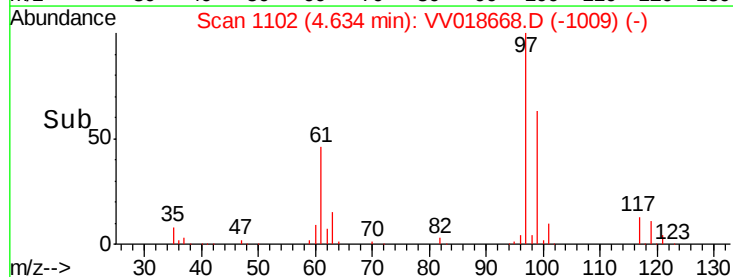
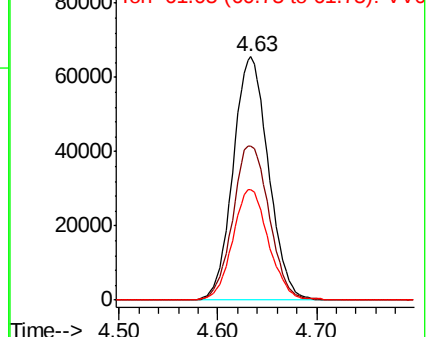
97 100

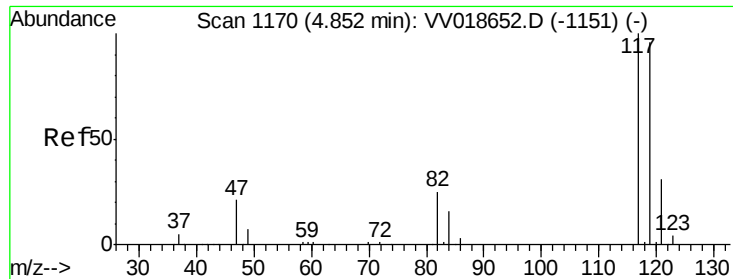
99 65.2 51.4 77.0

61 46.1 33.9 50.9



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: 47.406 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

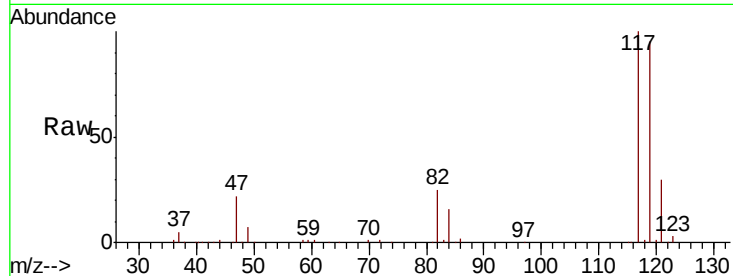
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 145119

Ion Ratio Lower Upper

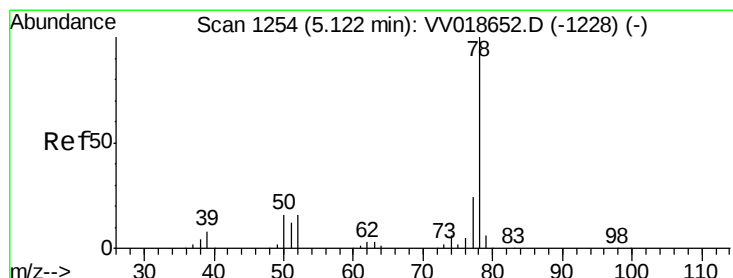
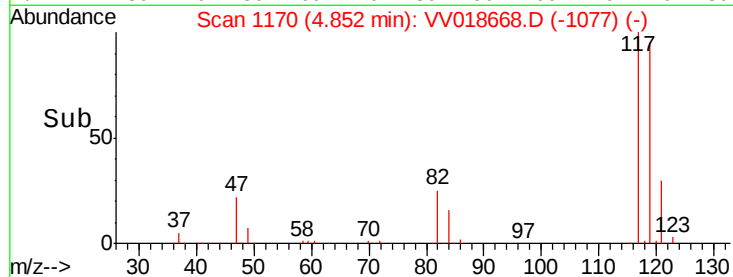
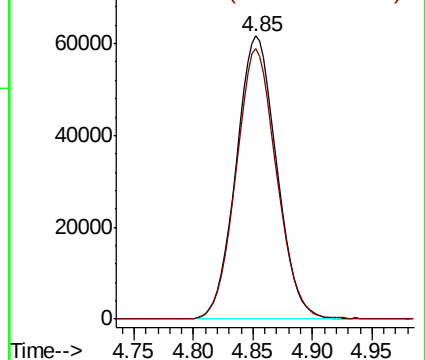
117 100

119 95.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.863 ug/L

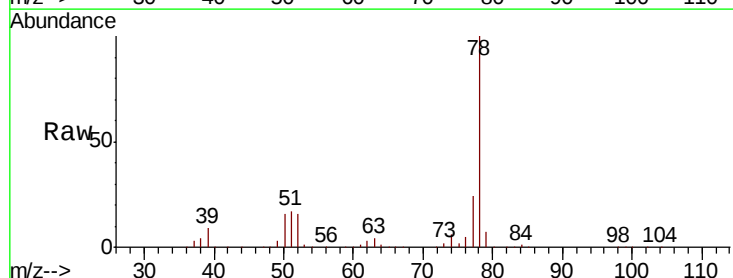
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

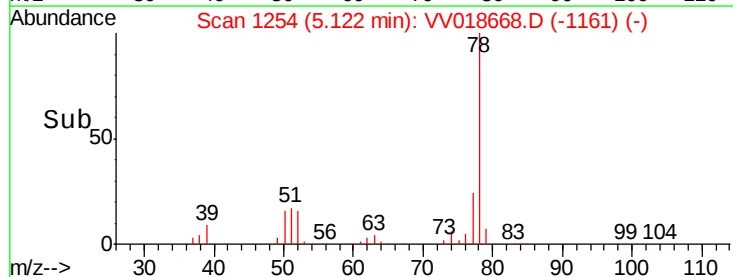
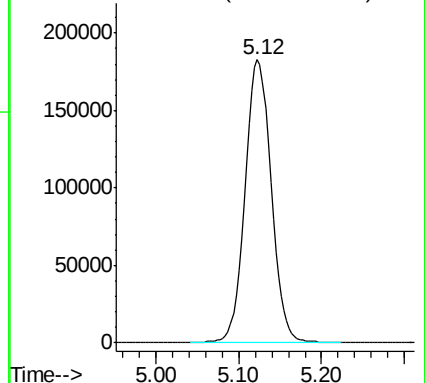
Lab File: VV018668.D

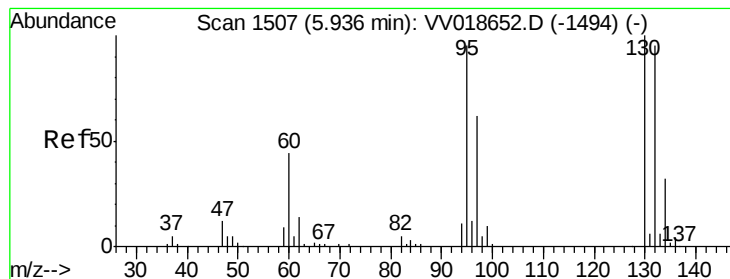
Acq: 05 Oct 2020 11:58

Tgt Ion: 78 Resp: 402475



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.070 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 114988

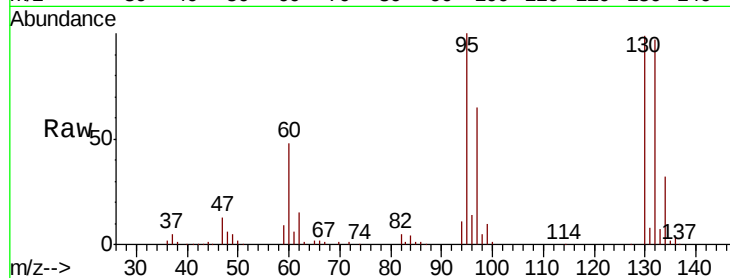
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 97.4 70.8 131.4

130 99.3 75.3 139.8

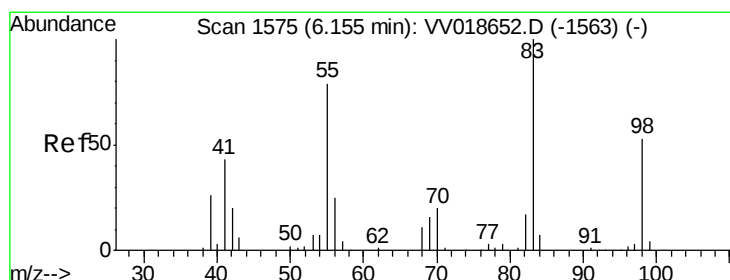
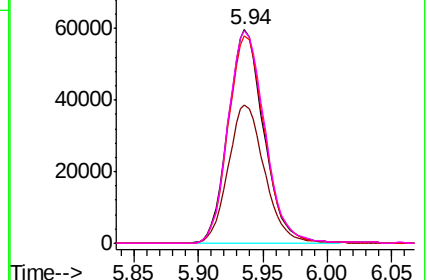
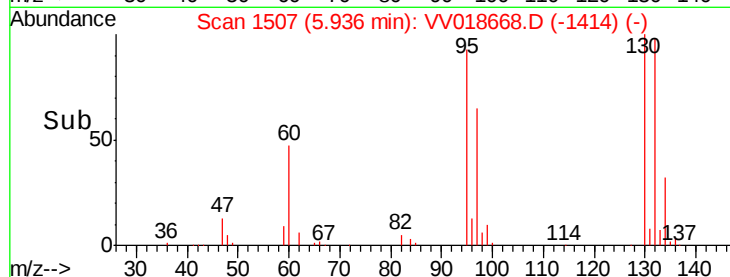


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 44.919 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

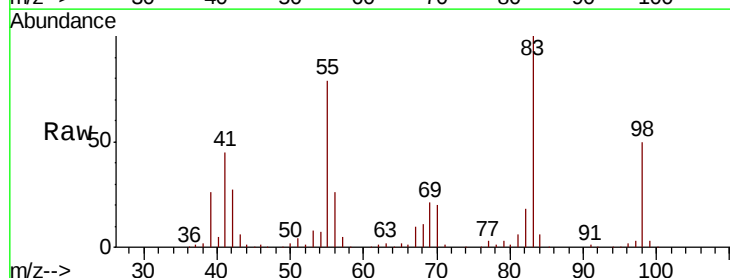
Tgt Ion: 83 Resp: 141995

Ion Ratio Lower Upper

83 100

55 78.6 60.1 90.1

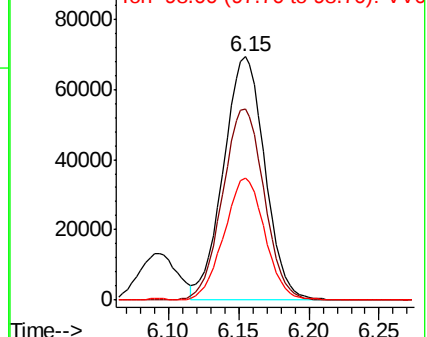
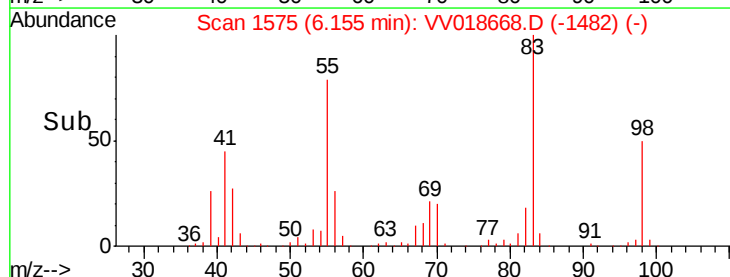
98 49.7 40.2 60.4

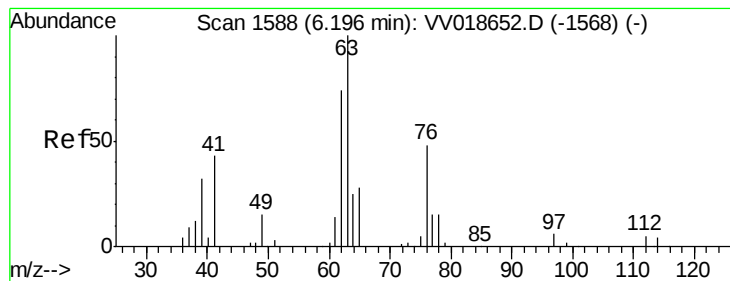


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.356 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

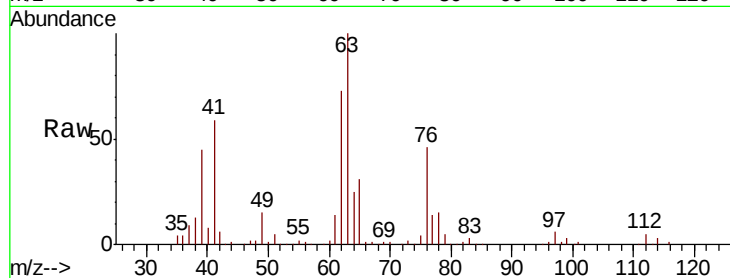
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 102211

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV018652.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV018652.D (-1568) (-)

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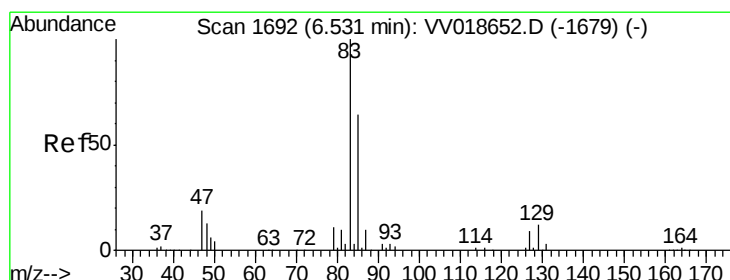
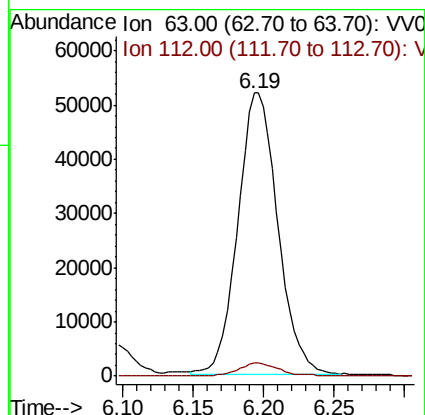
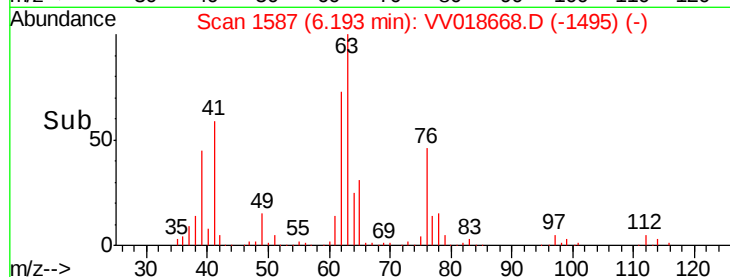
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#38

Bromodichloromethane

Concen: 50.096 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

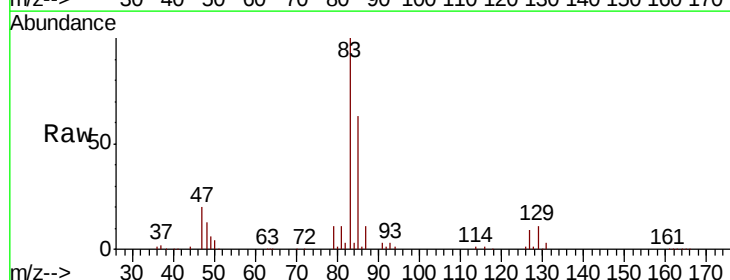
Tgt Ion: 83 Resp: 138934

Ion Ratio Lower Upper

83 100

85 63.0 44.5 82.7

127 8.6 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV018652.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018652.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018652.D (-1679) (-)

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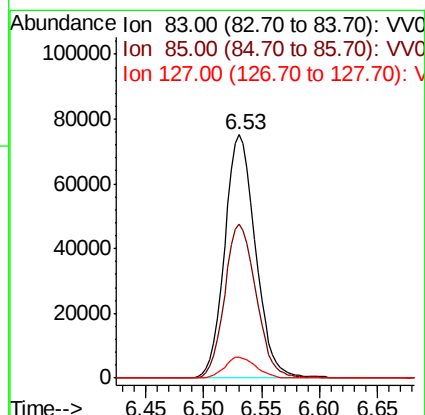
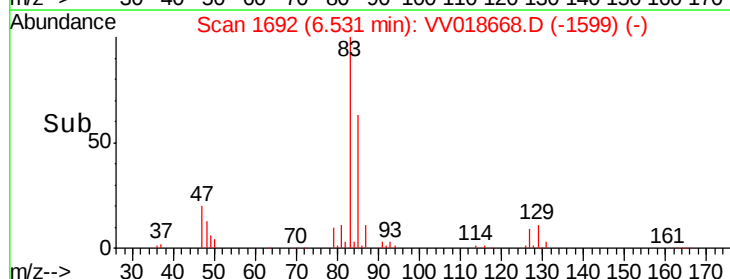
6.53

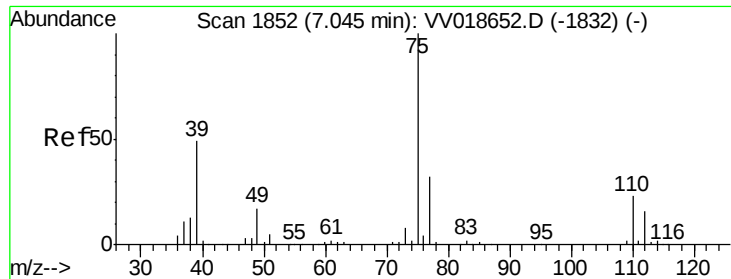
6.53

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6.53

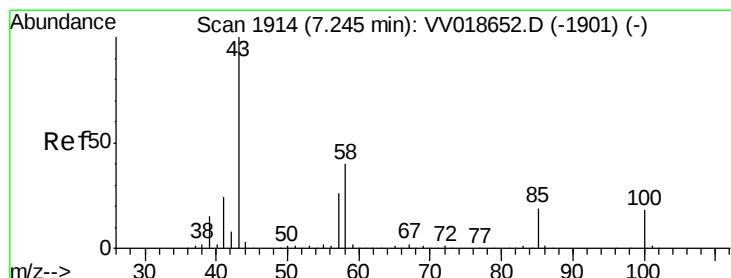
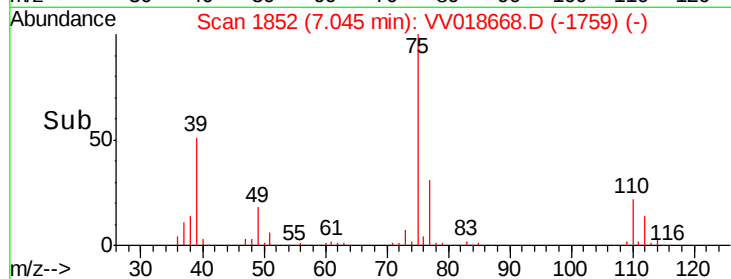
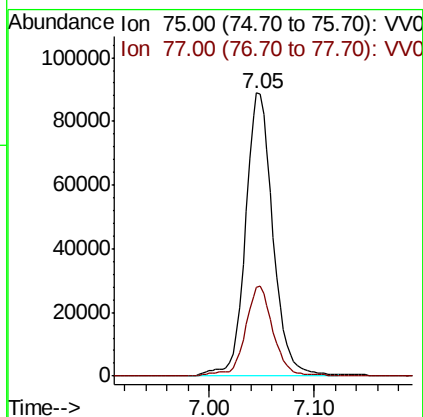
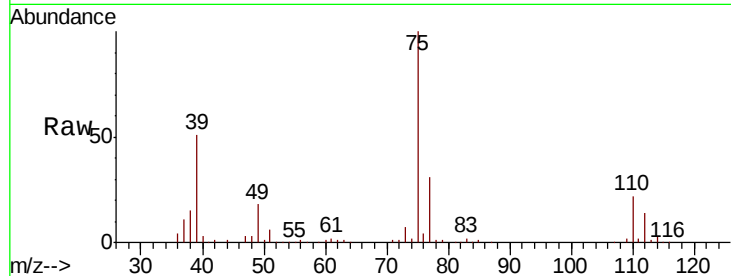




#39
 cis-1,3-Dichloropropene
 Concen: 49.705 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

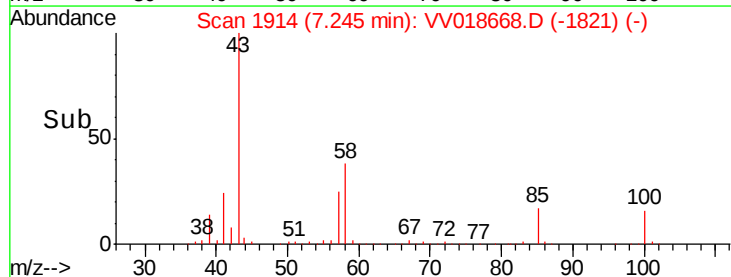
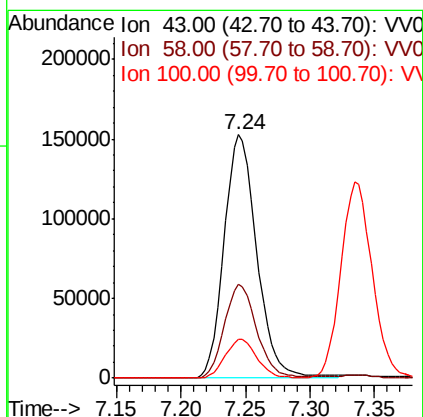
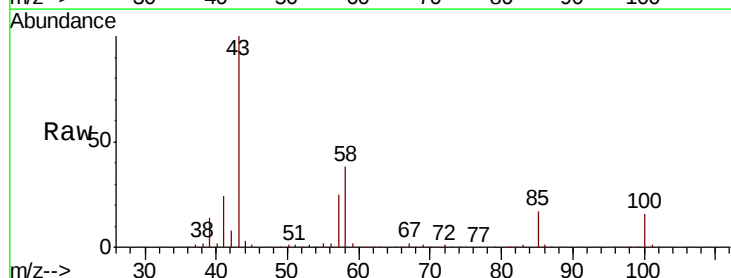
Instrument :
 MSVOA_V
 ClientSampled :

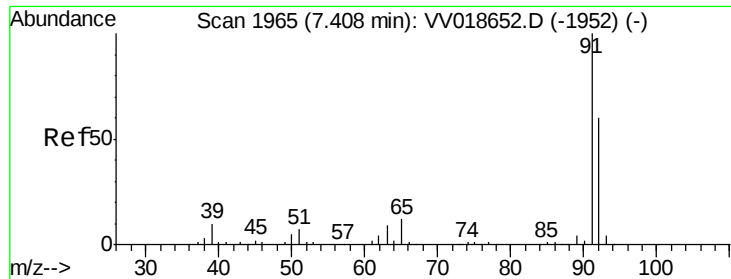
Tot Ion: 75 Resp: 161498
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 100.286 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

Tgt Ion: 43 Resp: 267984
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.8 47.6
 100 15.7 13.4 20.0





#42

Toluene

Concen: 49.823 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

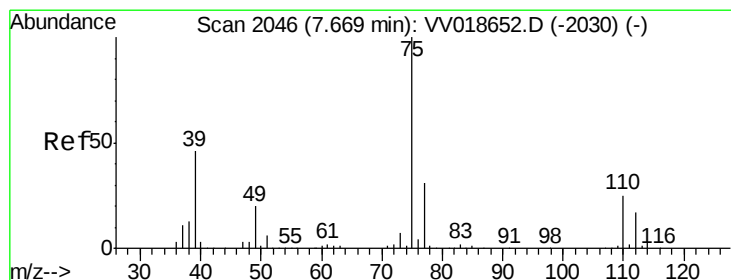
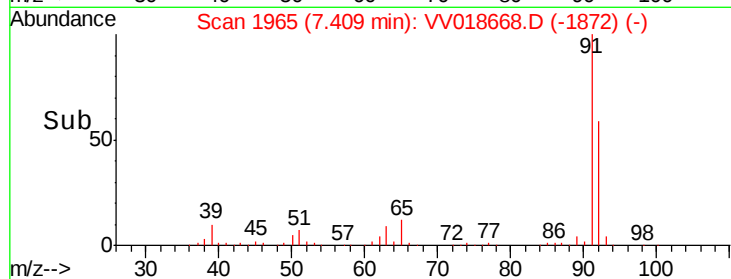
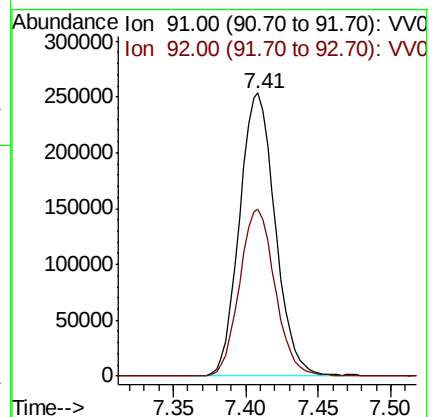
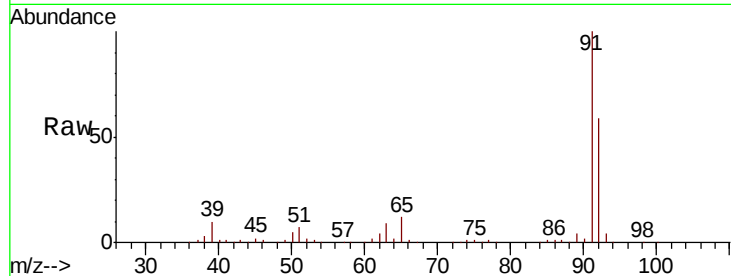
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 435048

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 49.844 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018668.D

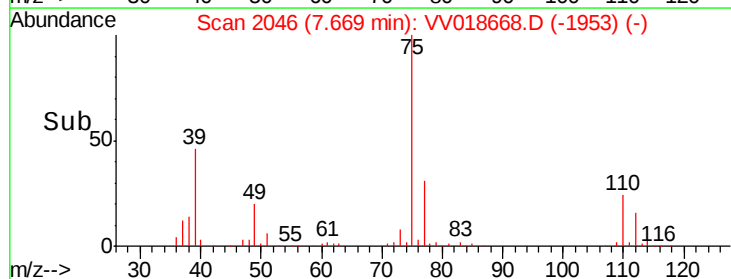
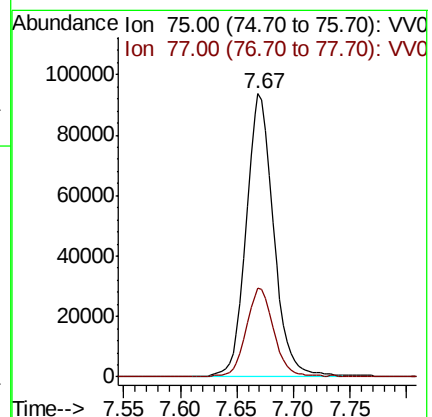
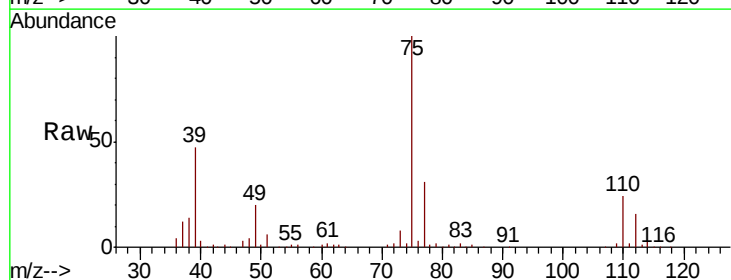
Acq: 05 Oct 2020 11:58

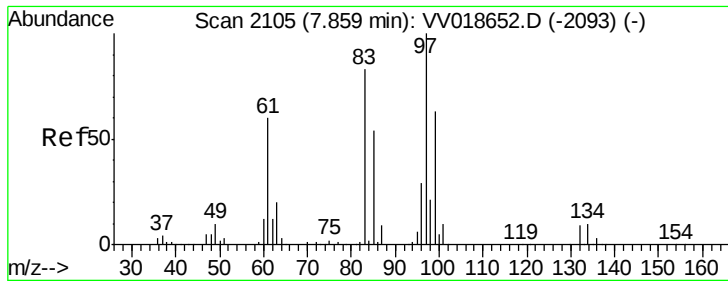
Tgt Ion: 75 Resp: 159086

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

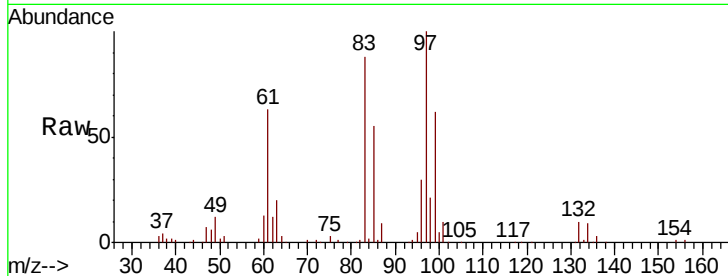




#45
 1,1,2-Trichloroethane
 Concen: 49.058 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	100572
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	87.6	60.5	112.5
85	55.0	38.3	71.1



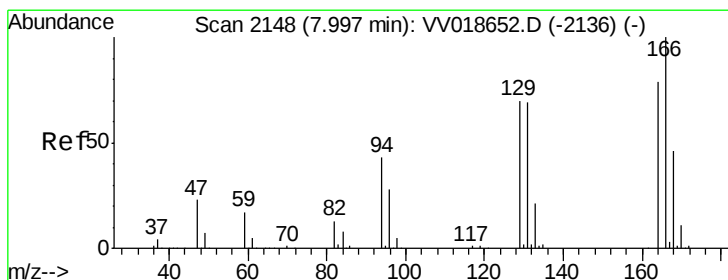
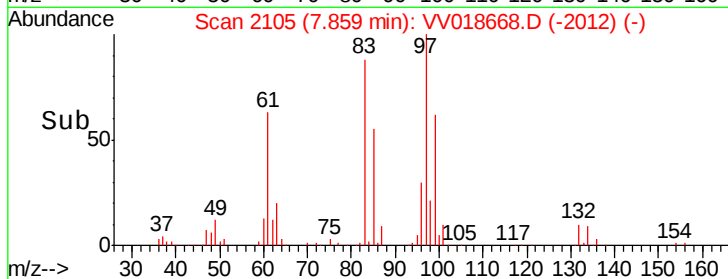
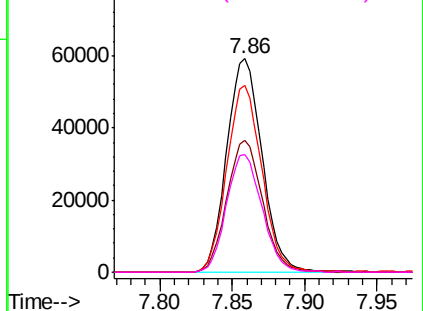
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

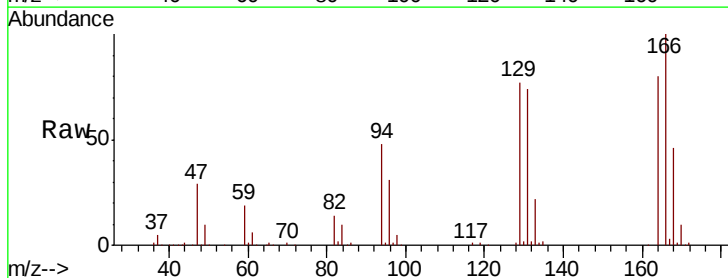
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 43.426 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018668.D
 Acq: 05 Oct 2020 11:58

Tgt Ion:	164	Resp:	82557
Ion	Ratio	Lower	Upper
164	100		
129	96.5	62.8	116.6
131	92.7	60.8	112.8
166	125.7	88.9	165.1



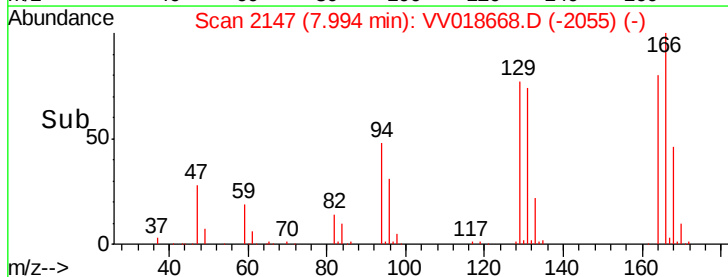
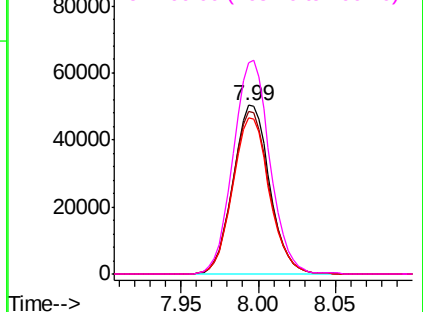
Abundance

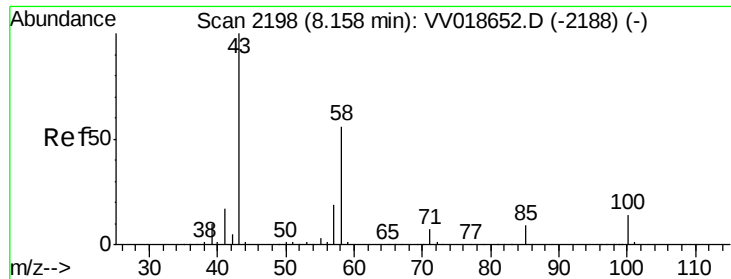
Ion 164.00 (163.70 to 164.70): V

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

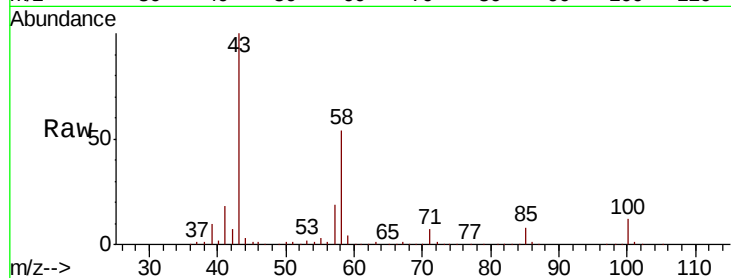




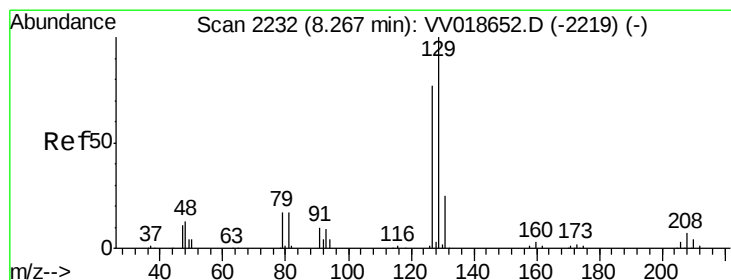
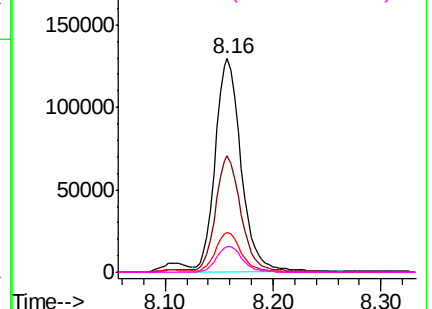
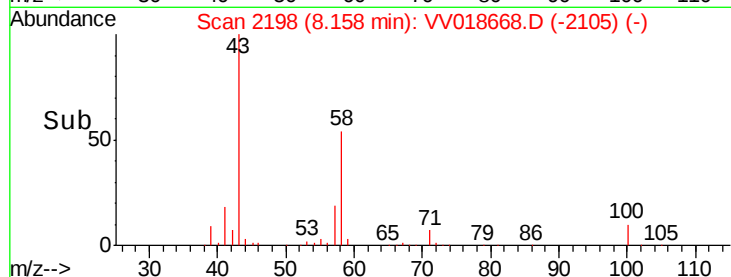
#48
2-Hexanone
Concen: 103.449 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 215687
Ion Ratio Lower Upper
43 100
58 53.2 45.1 67.7
57 18.2 15.7 23.5
100 11.9 11.0 16.4

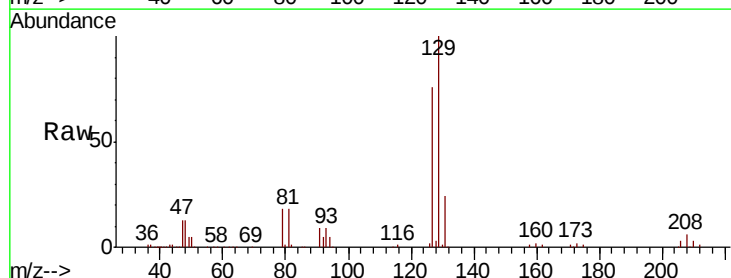


Abundance Ion 43.00 (42.70 to 43.70): VV018668.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018668.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018668.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018668.D (-2105) (-)

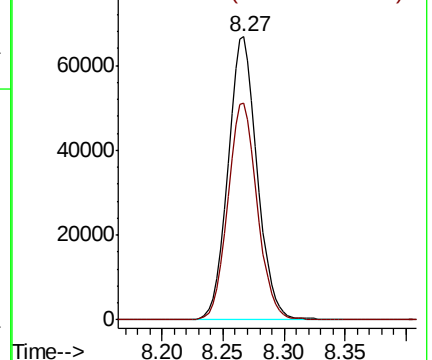
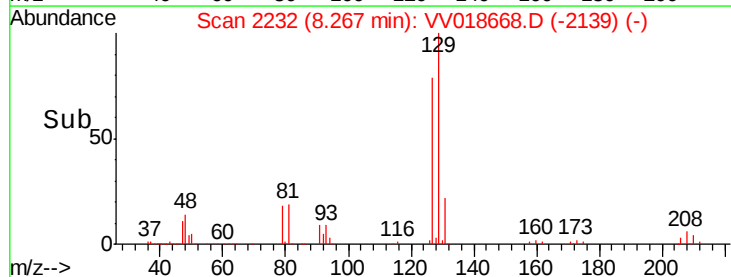


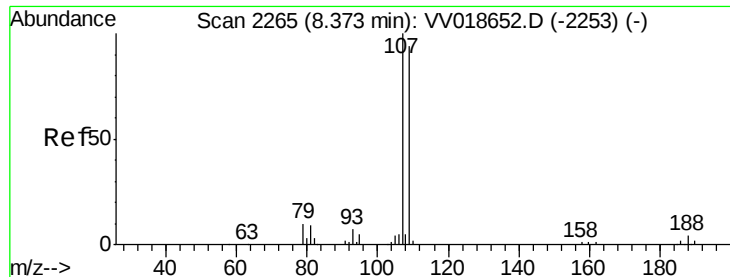
#49
Dibromochloromethane
Concen: 47.782 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion: 129 Resp: 112040
Ion Ratio Lower Upper
129 100
127 76.5 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VV018668.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018668.D (-2139) (-)

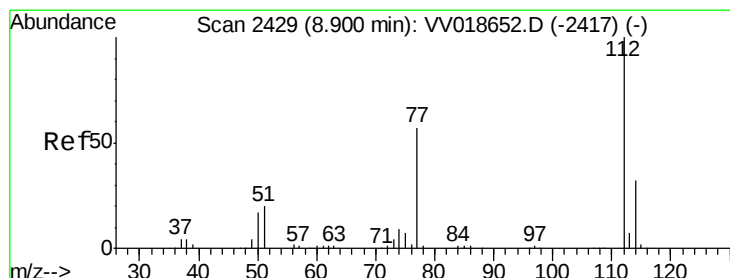
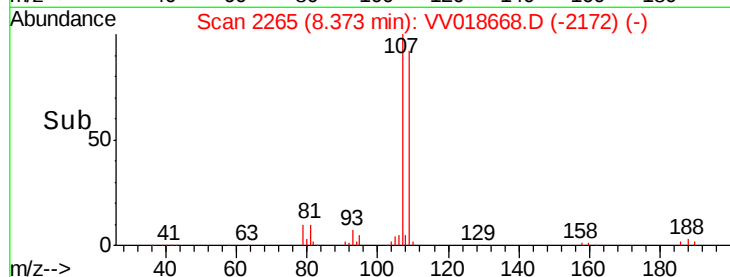
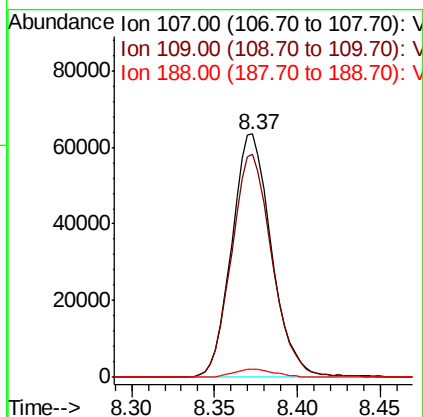
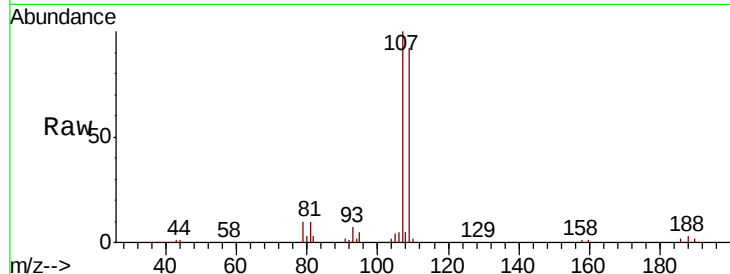




#50
1,2-Dibromoethane
Concen: 48.505 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

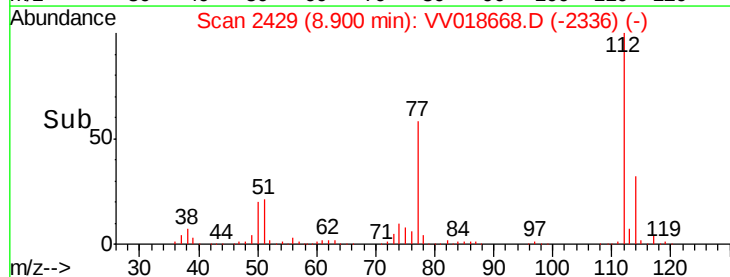
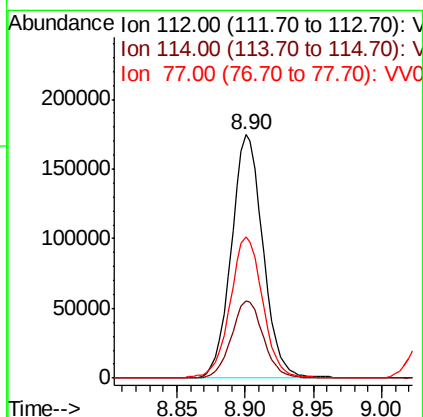
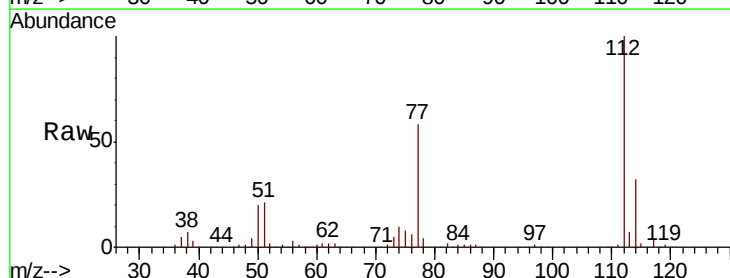
Instrument :
MSVOA_V
ClientSampleId :

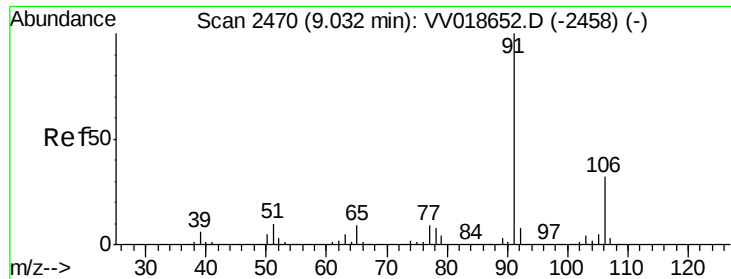
Tot Ion:107 Resp: 105725
Ion Ratio Lower Upper
107 100
109 91.8 65.1 120.9
188 3.4 3.7 5.5#



#51
Chlorobenzene
Concen: 47.589 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion:112 Resp: 281119
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 58.0 44.8 67.2

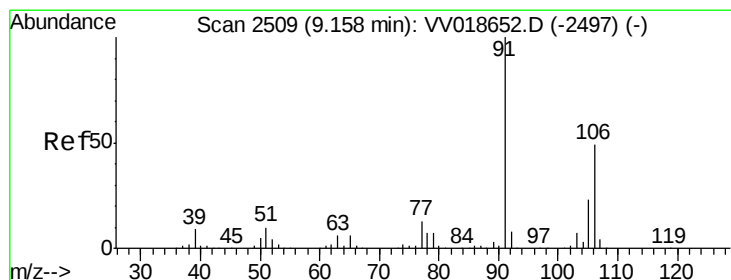
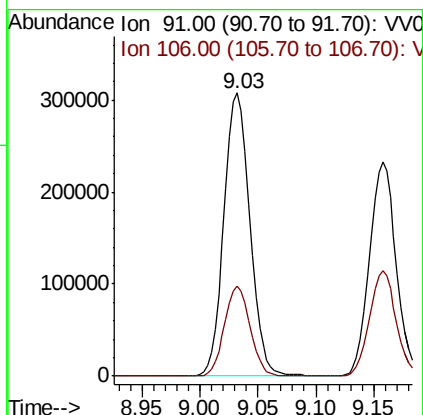
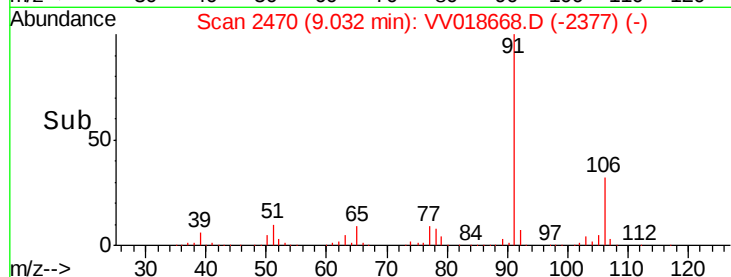
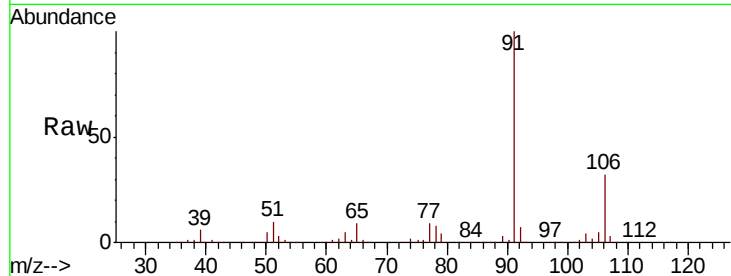




#52
Ethylbenzene
Concen: 48.873 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

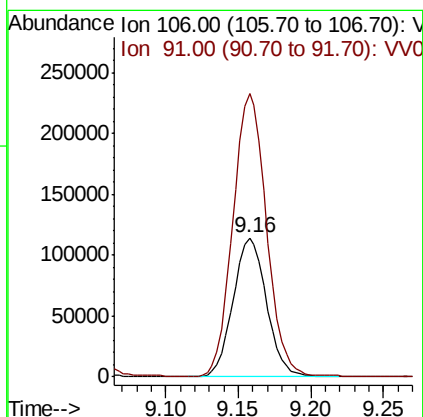
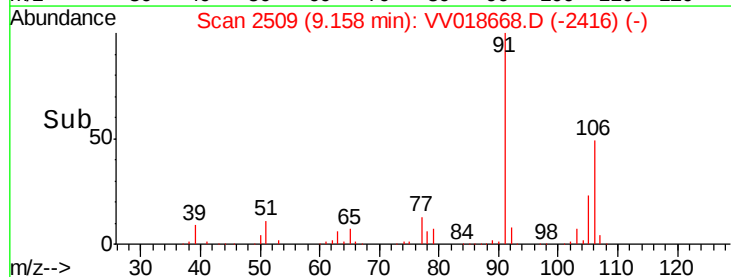
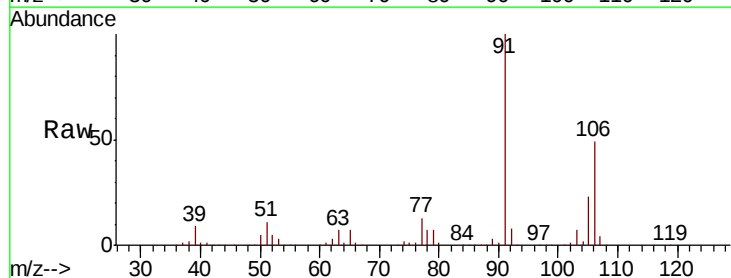
Instrument :
MSVOA_V
ClientSampleId :

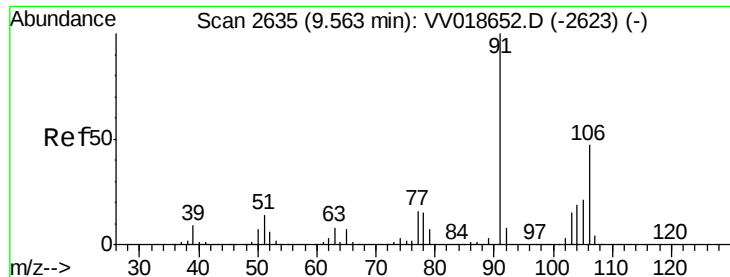
Tot Ion: 91 Resp: 476585
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#53
m,p-Xylene
Concen: 48.404 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018668.D
Acq: 05 Oct 2020 11:58

Tgt Ion: 106 Resp: 182414
Ion Ratio Lower Upper
106 100
91 203.1 142.3 264.3





#54

o-xylene

Concen: 48.908 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

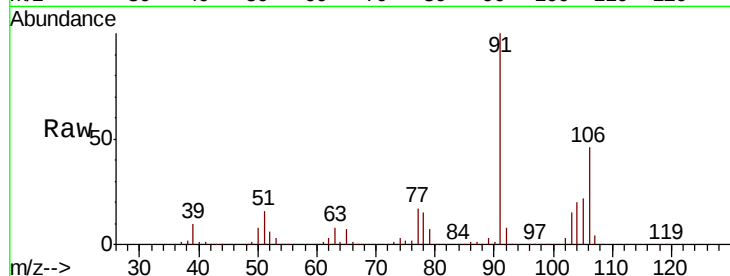
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 174503

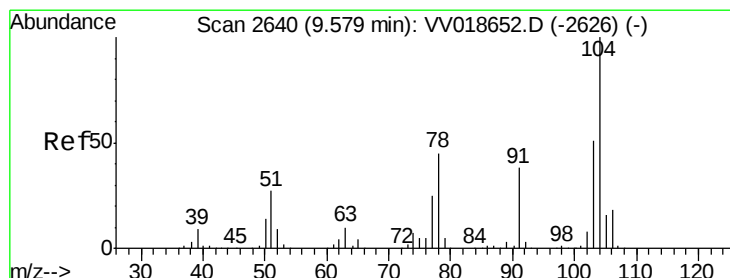
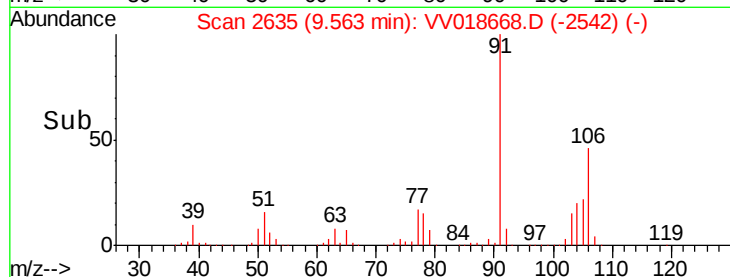
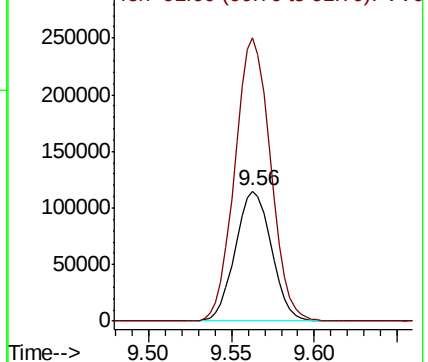
Ion Ratio Lower Upper

106 100

91 217.5 151.0 280.4



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



#55

Styrene

Concen: 50.143 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018668.D

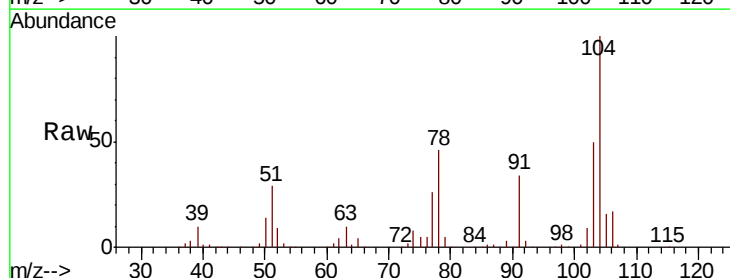
Acq: 05 Oct 2020 11:58

Tgt Ion:104 Resp: 311520

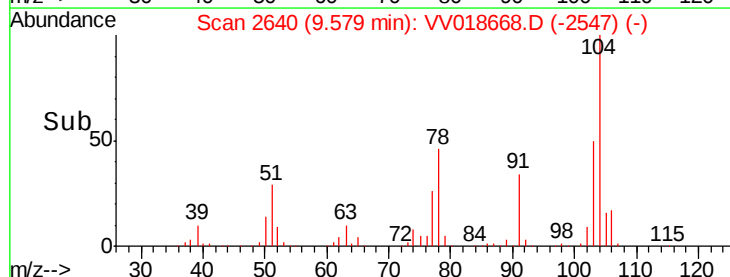
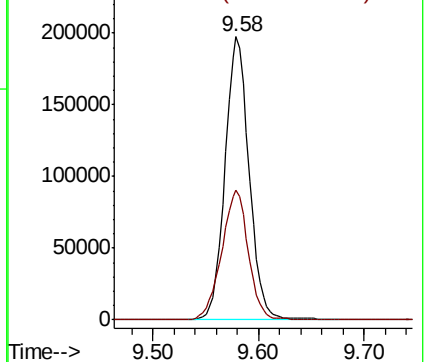
Ion Ratio Lower Upper

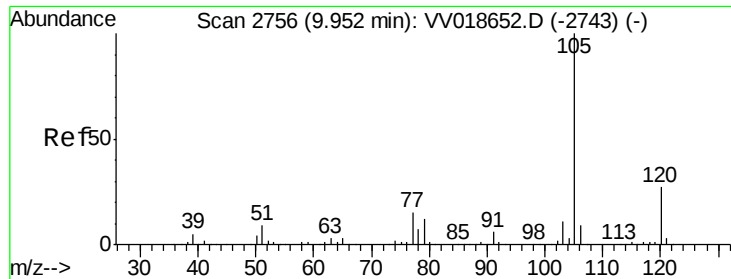
104 100

78 45.9 30.2 56.2



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





#56

Isopropylbenzene

Concen: 47.899 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

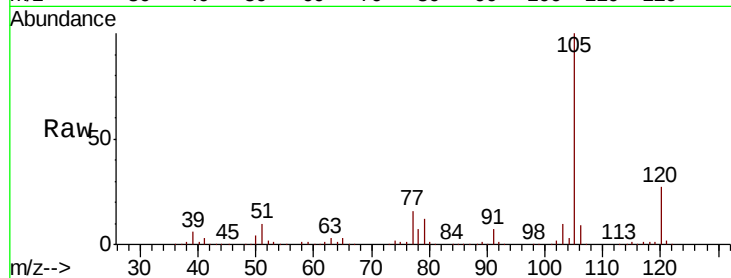
Tot Ion:105 Resp: 458338

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

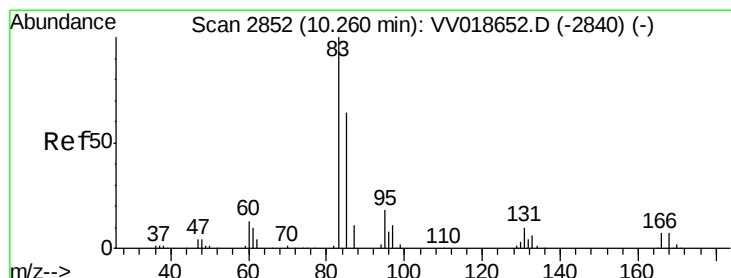
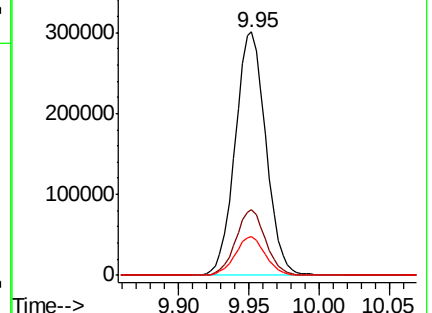
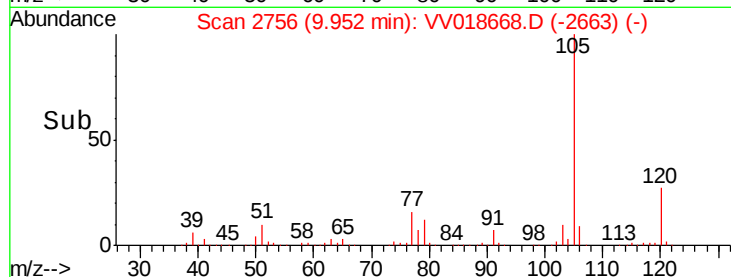
77 15.7 12.2 18.2



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: 45.938 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

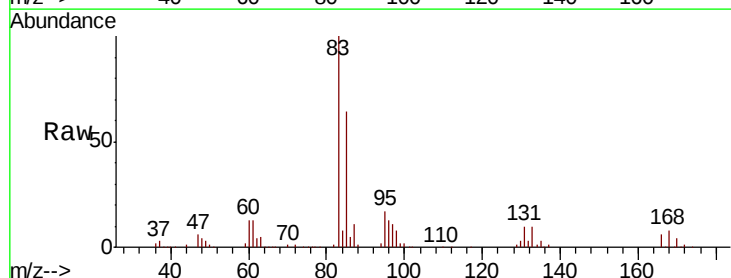
Tgt Ion: 83 Resp: 132743

Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

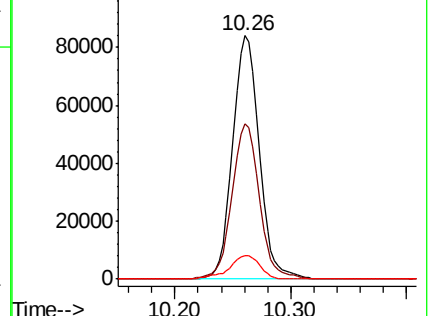
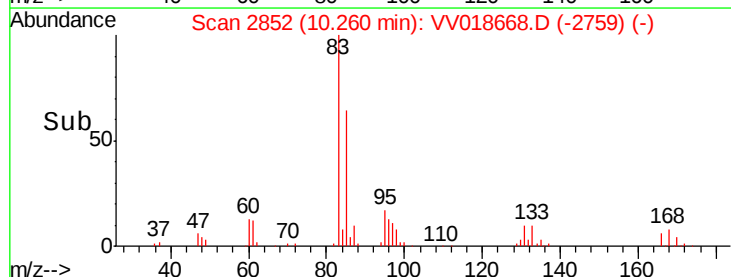
131 9.8 8.6 12.8

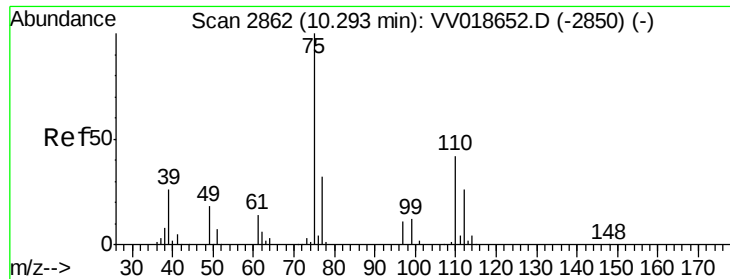


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.110 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

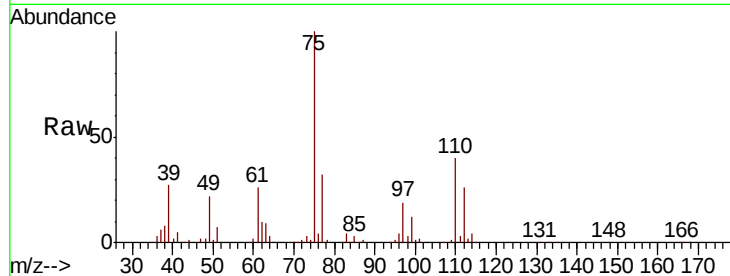
ClientSampled :

Tot Ion: 75 Resp: 123705

Ion Ratio Lower Upper

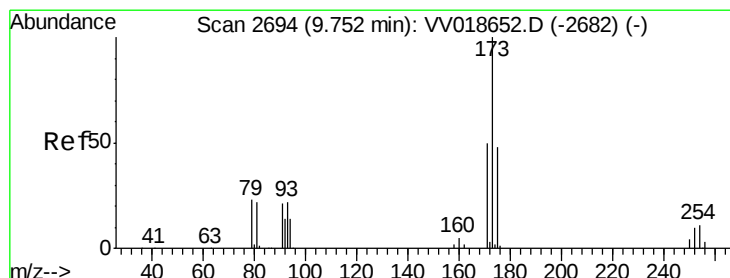
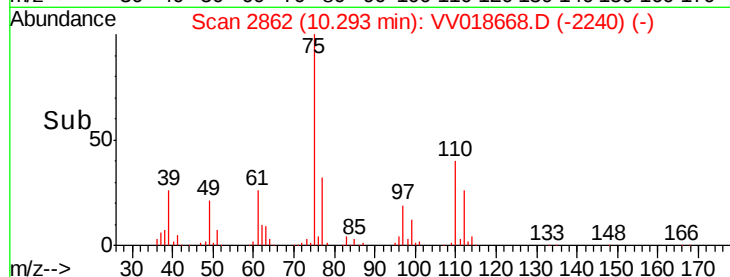
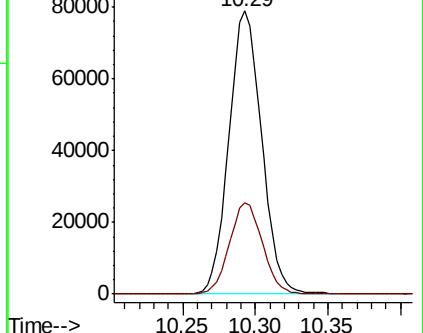
75 100

77 32.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018652.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018652.D (-2850) (-)



#61

Bromoform

Concen: 46.337 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

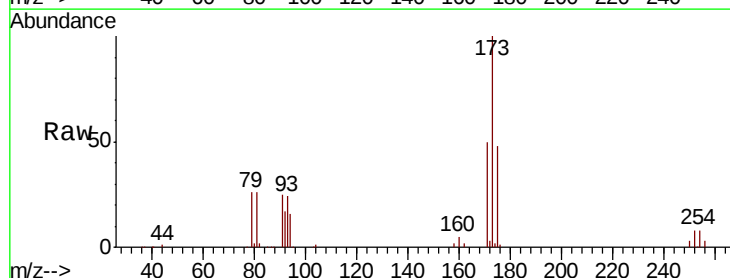
Tgt Ion: 173 Resp: 73760

Ion Ratio Lower Upper

173 100

175 48.1 39.8 59.8

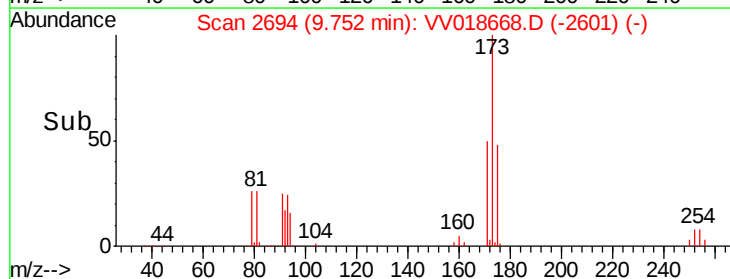
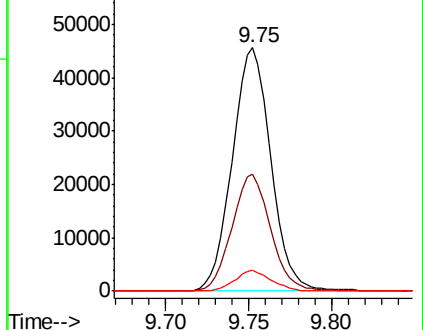
254 8.1 8.5 12.7#

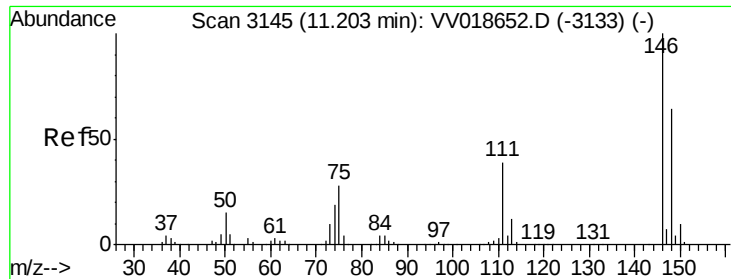


Abundance Ion 173.00 (172.70 to 173.70): VV018652.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018652.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018652.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 49.031 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

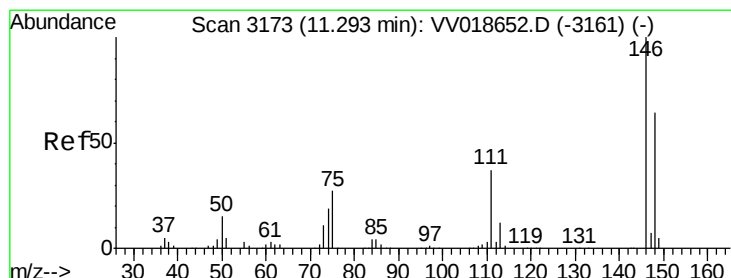
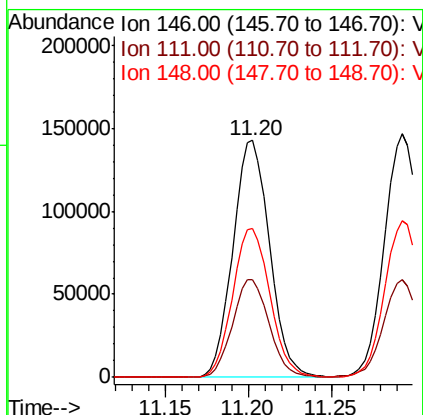
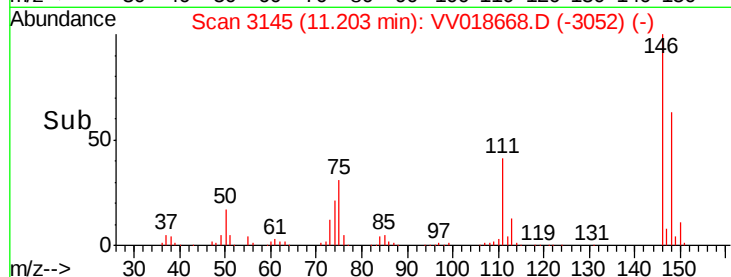
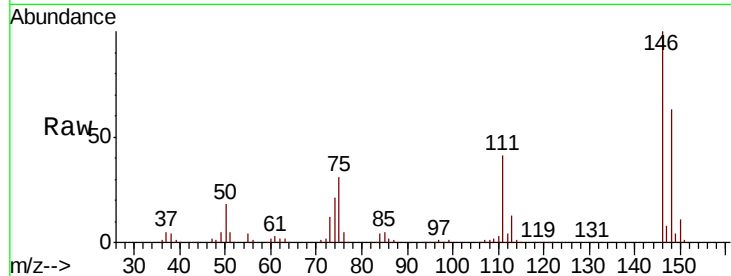
Tot Ion:146 Resp: 219893

Ion Ratio Lower Upper

146 100

111 41.2 26.8 49.8

148 63.0 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 49.053 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

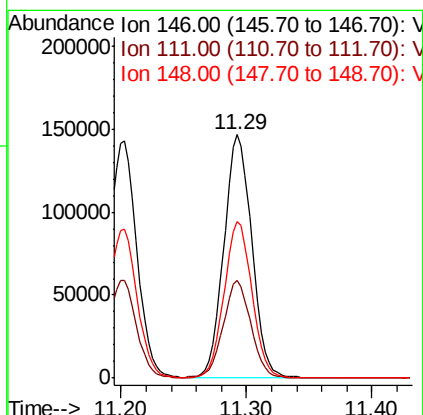
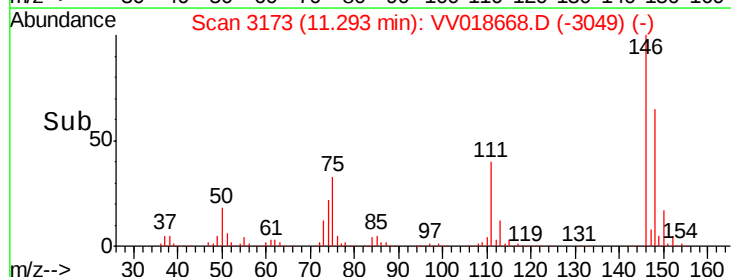
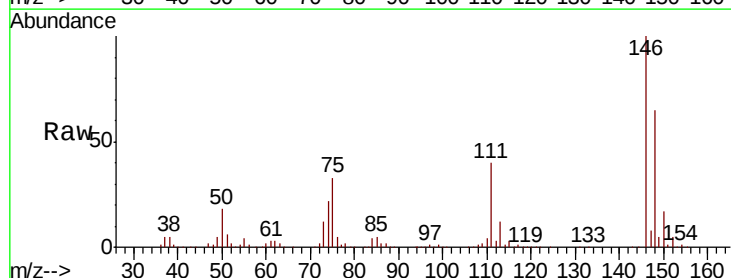
Tgt Ion:146 Resp: 226536

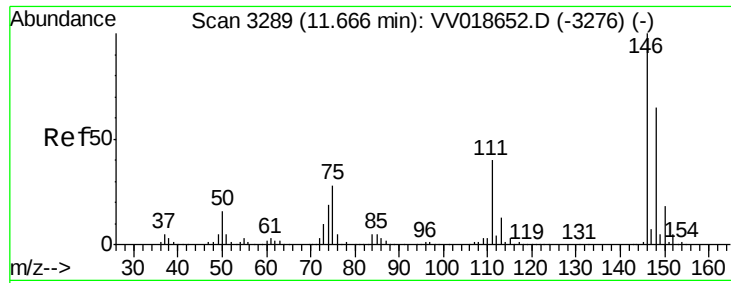
Ion Ratio Lower Upper

146 100

111 40.0 26.2 48.6

148 64.5 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 43.126 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampleId :

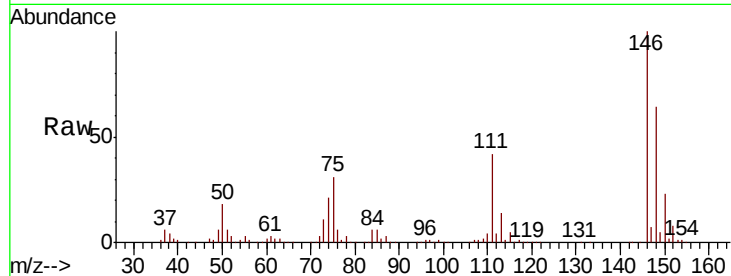
Tot Ion:146 Resp: 191340

Ion Ratio Lower Upper

146 100

111 41.6 32.8 49.2

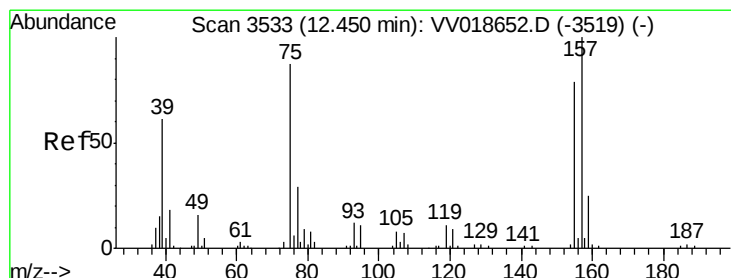
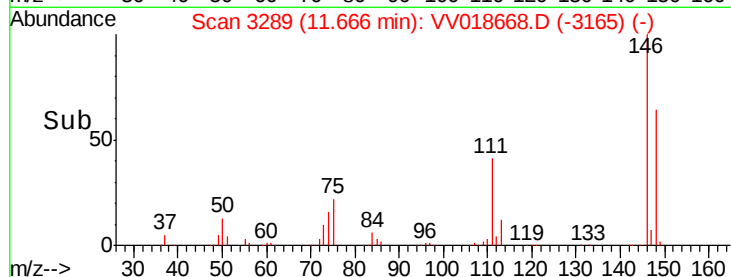
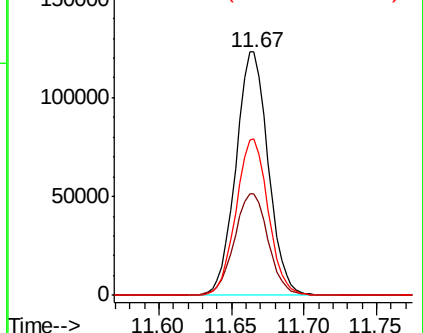
148 64.3 51.9 77.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 42.068 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

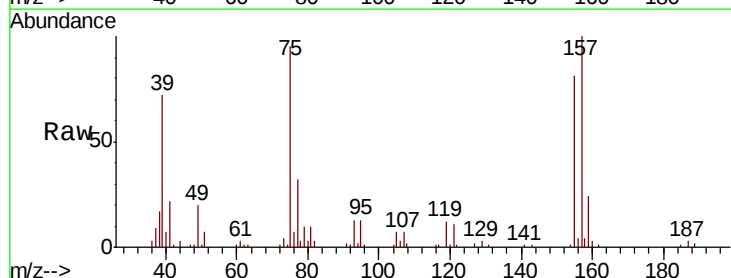
Tgt Ion: 75 Resp: 25480

Ion Ratio Lower Upper

75 100

155 85.9 73.0 109.6

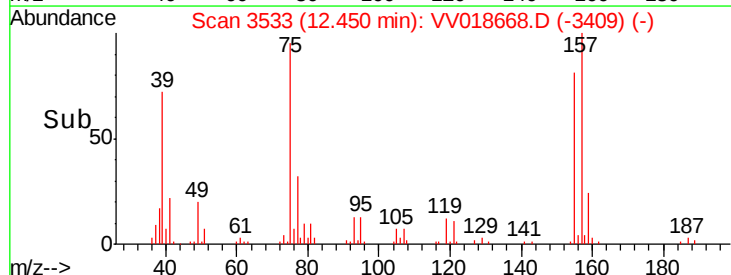
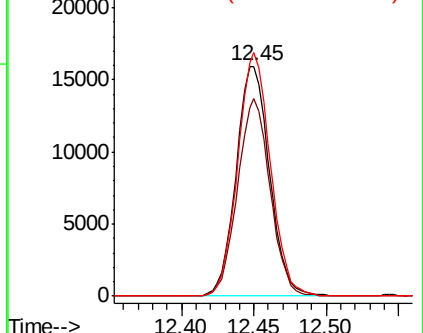
157 105.8 95.8 143.6

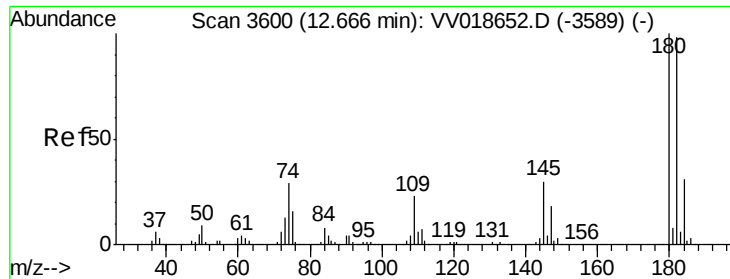


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 37.739 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:180 Resp: 117241

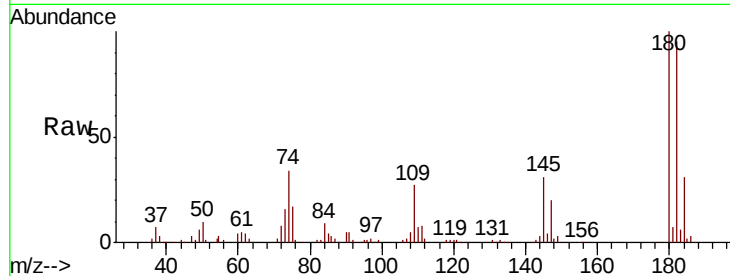
Ion Ratio Lower Upper

180 100

182 93.3 77.1 115.7

184 30.4 24.3 36.5

145 30.3 22.9 34.3

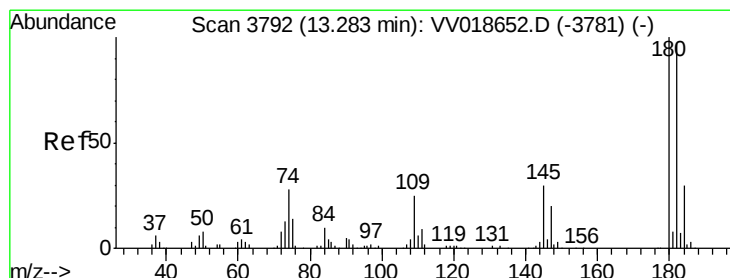
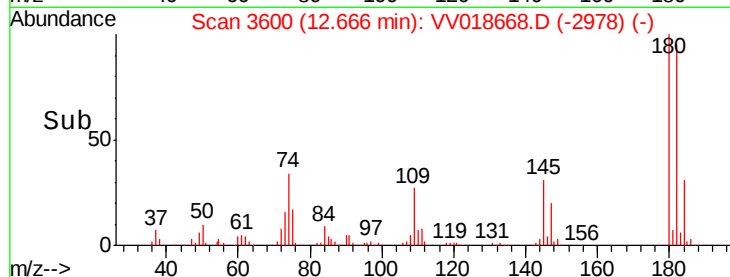
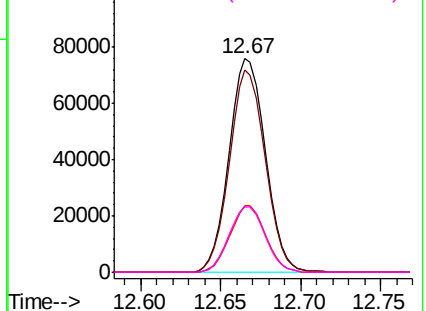


Abundance Ion 180.00 (179.70 to 180.70): V

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: 37.490 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

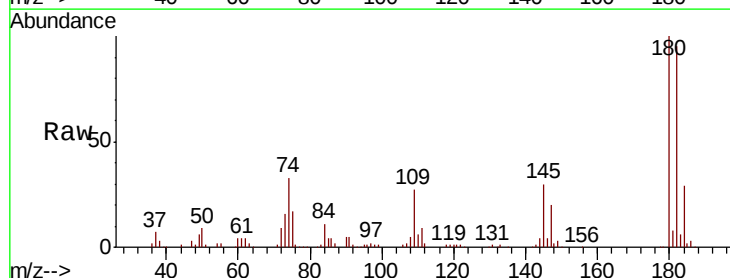
Tgt Ion:180 Resp: 108377

Ion Ratio Lower Upper

180 100

182 94.7 76.3 114.5

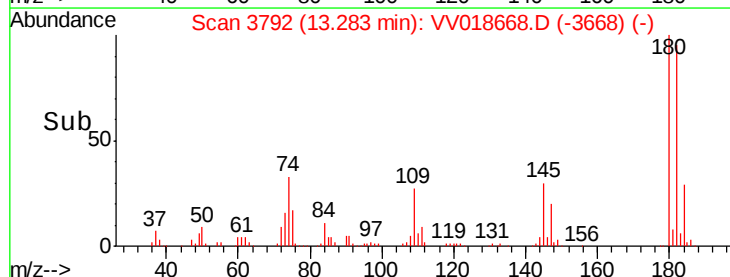
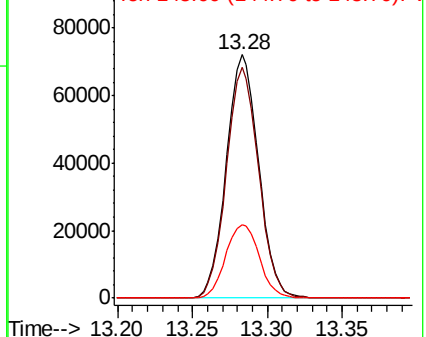
145 31.5 23.6 35.4

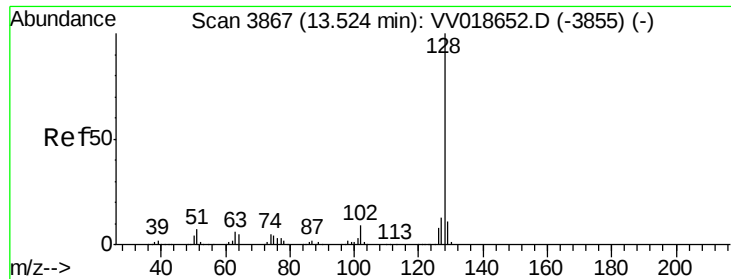


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 42.717 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

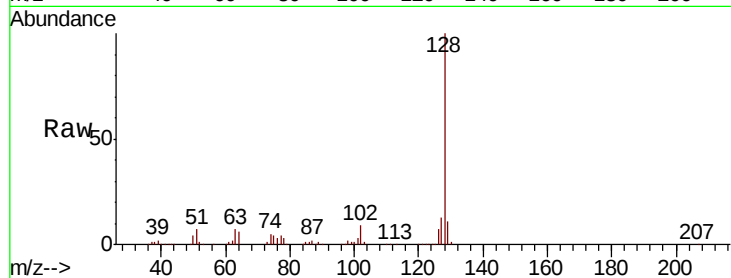
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 353490

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.7	8.6	12.8

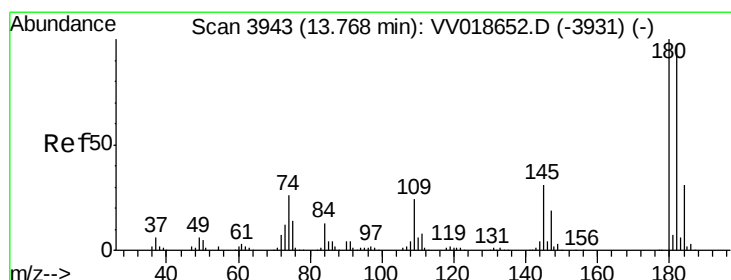
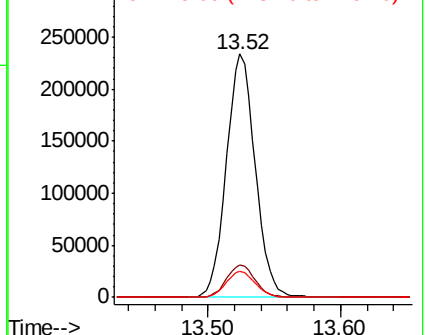
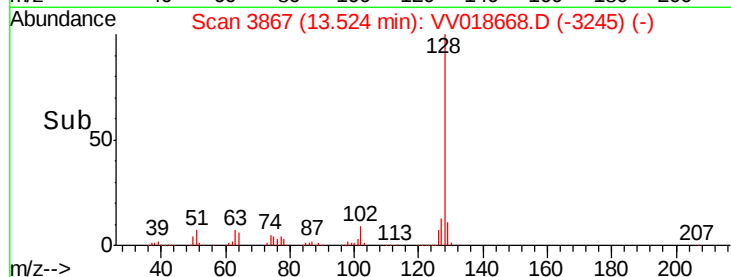


Abundance

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: 38.529 ug/L

RT: 13.77 min Scan# 3942

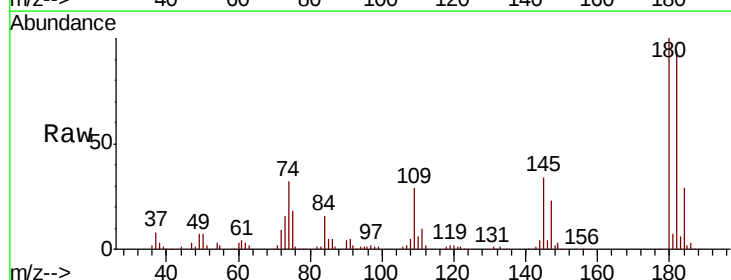
Delta R.T. -0.00 min

Lab File: VV018668.D

Acq: 05 Oct 2020 11:58

Tgt Ion:180 Resp: 111811

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.1	115.7
145	34.1	25.1	37.7



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

