

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090420\
 Data File : VV018154.D
 Acq On : 04 Sep 2020 12:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 04 23:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 02 13:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	278102	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272620	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76648	36.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.24%
7) Chloroethane-d5	1.58	69	73407	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.58%
11) 1,1-Dichloroethene-d2	2.12	63	170639	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.08%
21) 2-Butanone-d5	3.91	46	144093	103.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.68%
24) Chloroform-d	4.37	84	182895	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.05	65	117186	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.42%
32) Benzene-d6	5.07	84	346118	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
36) 1,2-Dichloropropane-d6	6.09	67	114309	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.08%
41) Toluene-d8	7.33	98	312427	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	7.64	79	57893	51.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.94%
47) 2-Hexanone-d5	8.11	63	84685	107.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.44%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	164561	51.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	147146	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	88160	41.061	ug/L 99
3) Chloromethane	1.25	50	99148	39.753	ug/L 99
5) Vinyl chloride	1.32	62	106736	43.194	ug/L 100
6) Bromomethane	1.53	94	66565	45.071	ug/L 98
8) Chloroethane	1.60	64	70292	44.567	ug/L 100
9) Trichlorofluoromethane	1.77	101	161160	45.656	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97157	49.295	ug/L 97
12) 1,1-Dichloroethene	2.13	96	86792	46.525	ug/L 93
13) Acetone	2.19	43	160241	111.631	ug/L 98
14) Carbon disulfide	2.31	76	208589	40.626	ug/L 100
15) Methyl Acetate	2.45	43	104752	45.220	ug/L 99
16) Methylene chloride	2.52	84	102487	43.123	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	89524	46.685	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	314092	49.526	ug/L 99
19) 1,1-Dichloroethane	3.21	63	186019	48.243	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	104785	49.725	ug/L 96
22) 2-Butanone	3.99	43	175754	109.141	ug/L 99

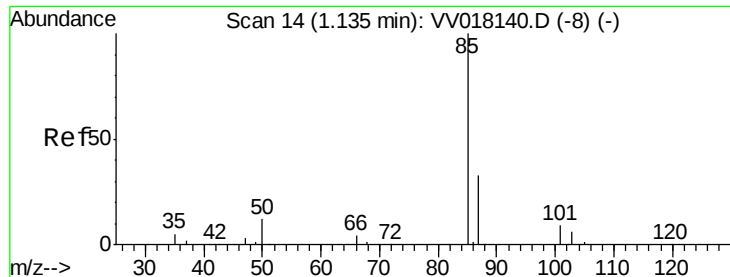
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090420\
 Data File : VV018154.D
 Acq On : 04 Sep 2020 12:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 04 23:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 02 13:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55098	50.050	uq/L	94
25) Chloroform	4.40	83	194421	49.435	uq/L	97
27) 1,2-Dichloroethane	5.15	62	147778	47.208	uq/L	97
29) Cyclohexane	4.70	56	145458	44.208	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	162647	48.685	uq/L	98
31) Carbon tetrachloride	4.85	117	139115	50.021	uq/L	100
33) Benzene	5.12	78	395601	46.903	uq/L	100
34) Trichloroethene	5.94	95	106469	47.755	uq/L	99
35) Methylcyclohexane	6.15	83	150302	45.338	uq/L	99
37) 1,2-Dichloropropane	6.19	63	109432	47.576	uq/L	100
38) Bromodichloromethane	6.53	83	144627	50.621	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	170962	52.430	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	284750	94.699	uq/L	99
42) Toluene	7.41	91	428392	48.674	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	168993	54.622	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	105371	49.467	uq/L	99
46) Tetrachloroethene	7.99	164	82995	50.759	uq/L	98
48) 2-Hexanone	8.15	43	244532	100.849	uq/L	99
49) Dibromochloromethane	8.26	129	116782	56.167	uq/L	99
50) 1,2-Dibromoethane	8.37	107	106417	48.286	uq/L	97
51) Chlorobenzene	8.90	112	281845	49.792	uq/L	99
52) Ethylbenzene	9.03	91	479130	49.928	uq/L	100
53) m,p-Xylene	9.16	106	180303	51.084	uq/L	97
54) o-xylene	9.56	106	175230	50.238	uq/L	98
55) Styrene	9.58	104	315913	52.889	uq/L	100
56) Isopropylbenzene	9.95	105	479410	52.101	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	160614	48.421	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	134794	47.451	uq/L	100
61) Bromoform	9.75	173	85655	59.696	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	239956	49.761	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	246192	49.698	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	240439	48.443	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34751	47.520	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	194183	53.009	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	178737	55.497	uq/L	99
69) Naphthalene	13.52	128	466028	52.499	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	175570	53.605	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 41.061 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

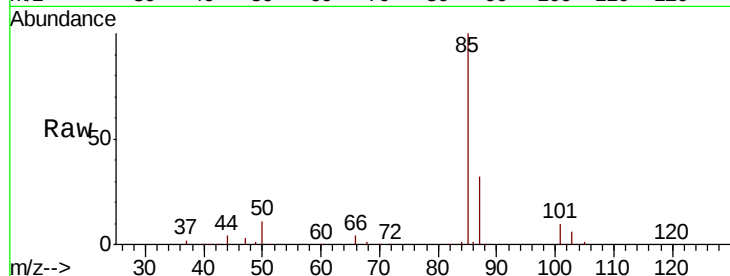
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 88160

Ion Ratio Lower Upper

85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018154.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018154.D (-1) (-)

1.14

100000

80000

60000

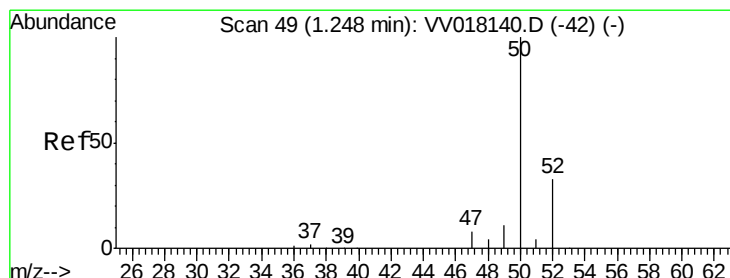
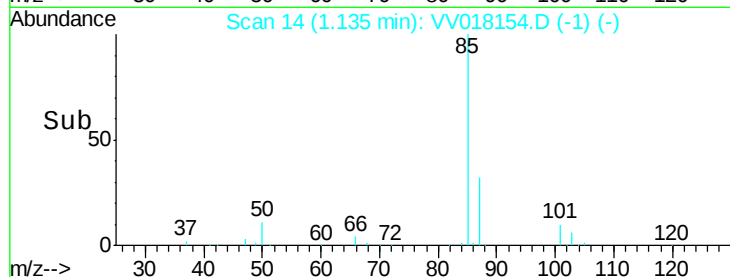
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 39.753 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018154.D

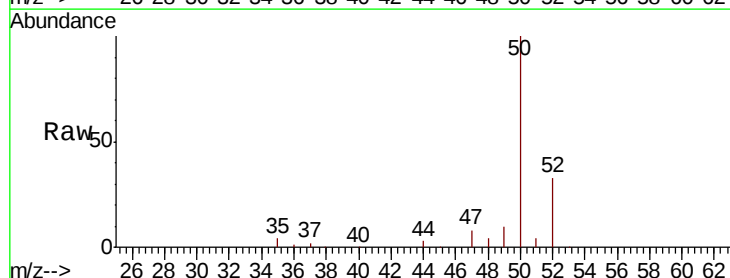
Acq: 04 Sep 2020 12:33

Tgt Ion: 50 Resp: 99148

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018154.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018154.D (-1) (-)

1.25

100000

80000

60000

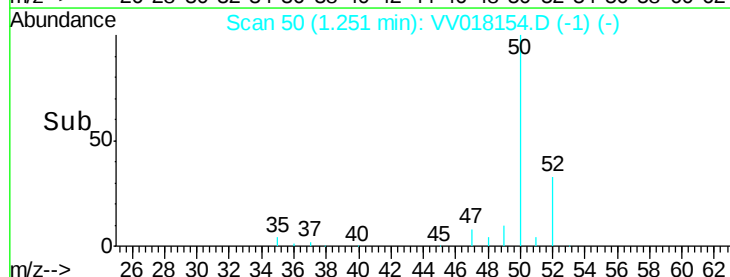
40000

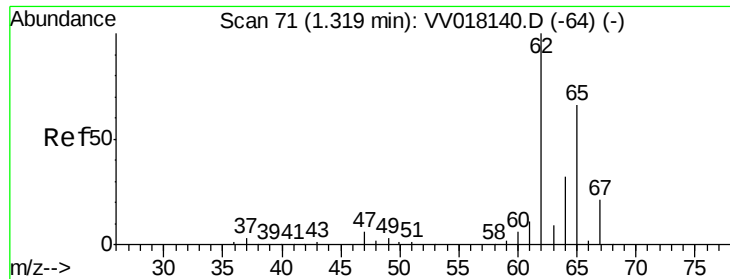
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 43.194 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

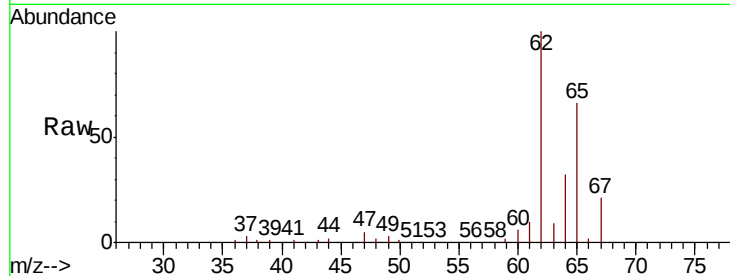
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 106736

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

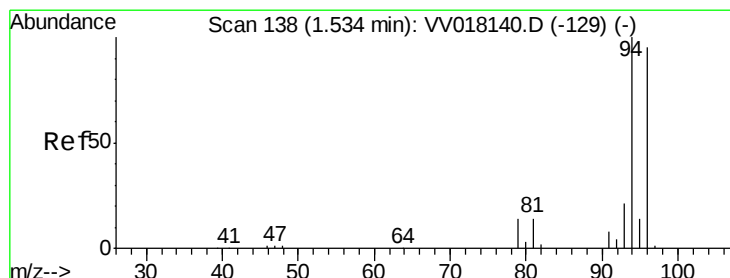
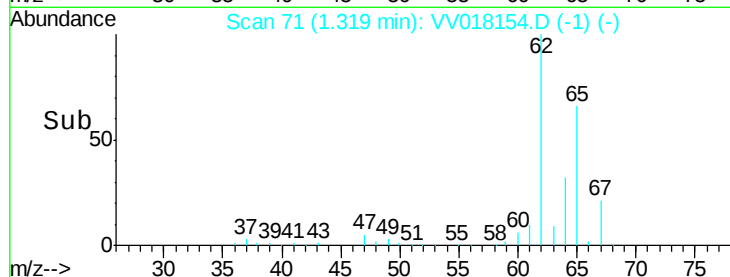
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 45.071 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018154.D

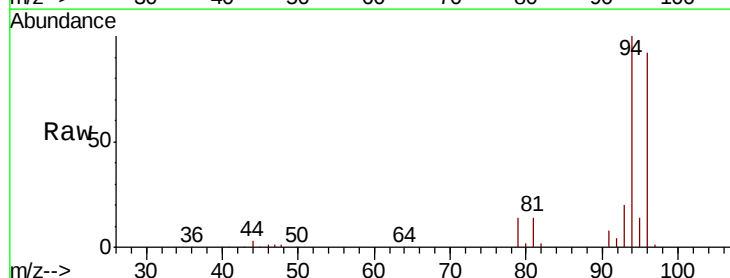
Acq: 04 Sep 2020 12:33

Tgt Ion: 94 Resp: 66565

Ion Ratio Lower Upper

94 100

96 92.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

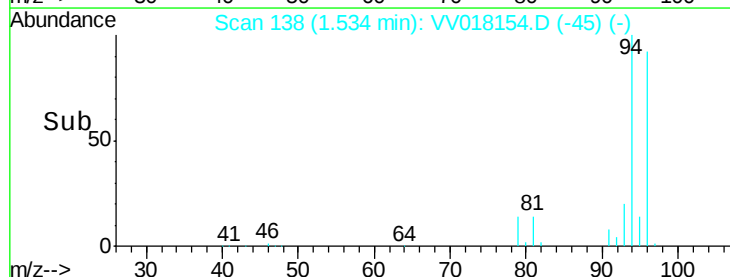
60000

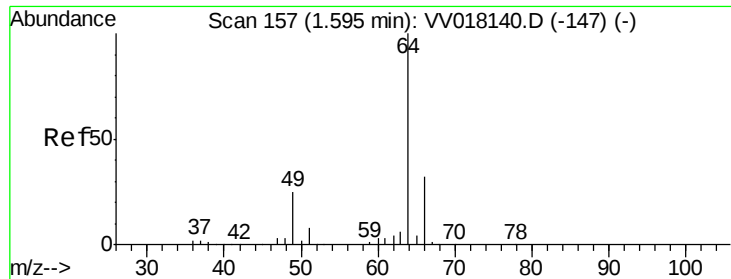
40000

20000

0

Time-->

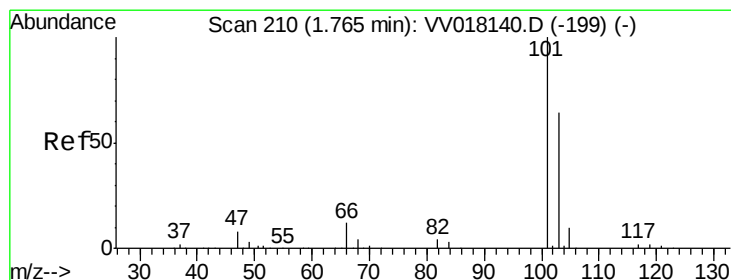
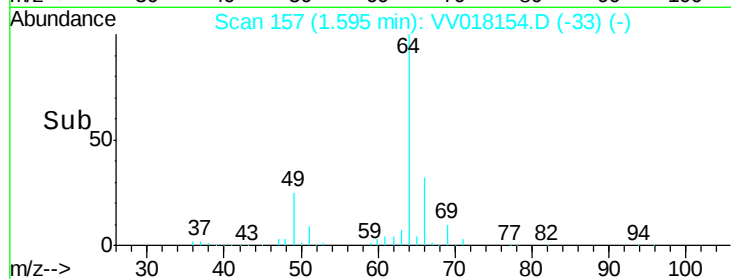
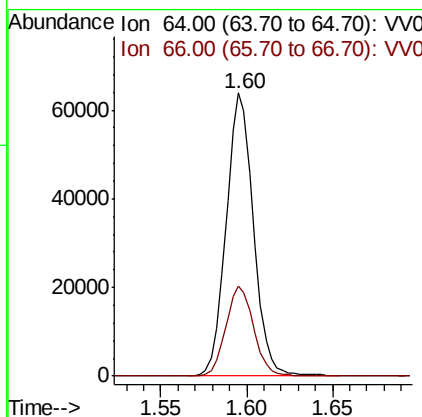
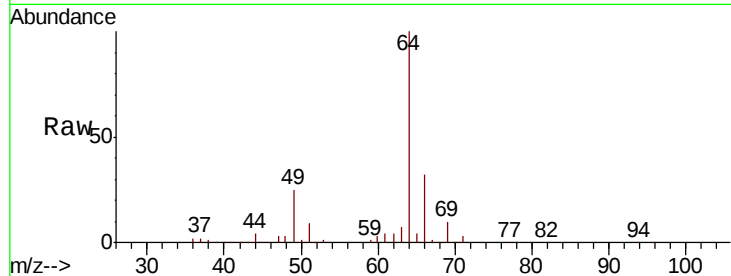




#8
Chloroethane
Concen: 44.567 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

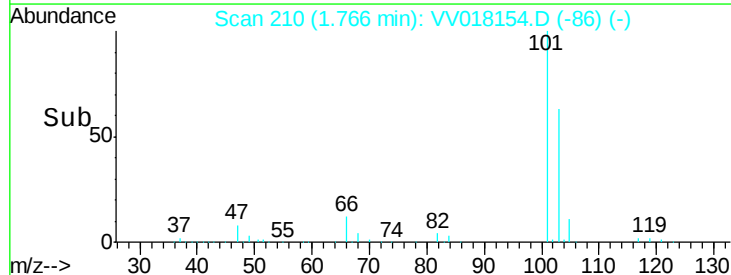
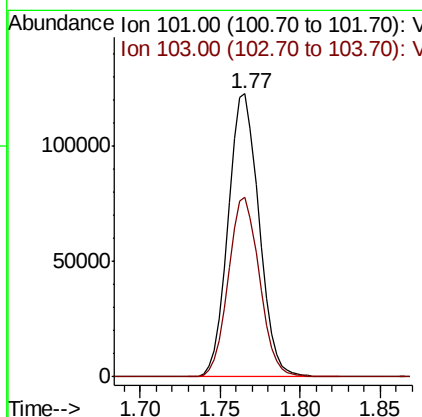
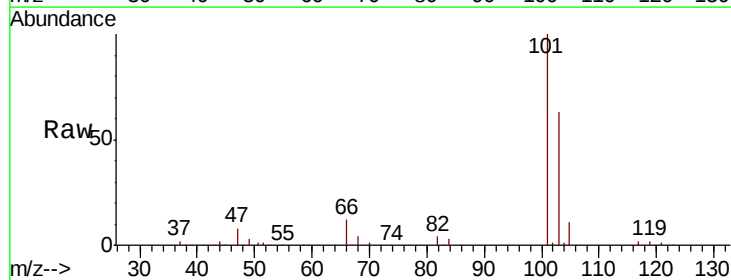
Instrument :
MSVOA_V
ClientSampleId :

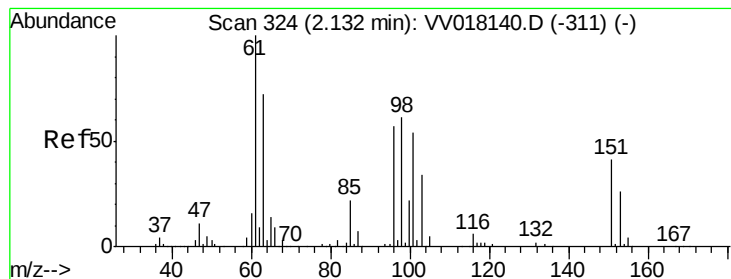
Tot Ion: 64 Resp: 70292
Ion Ratio Lower Upper
64 100
66 31.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.656 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion:101 Resp: 161160
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3





#10

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

Concen: 49.295 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

ClientSampleId :

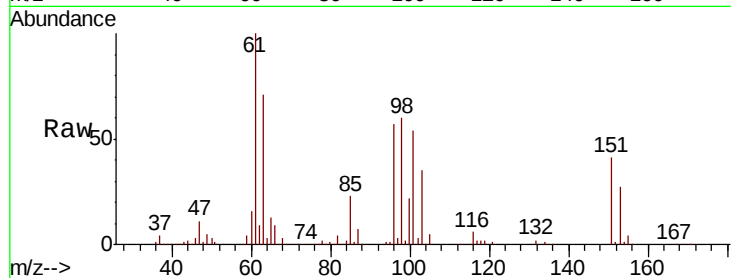
Tot Ion:101 Resp: 97157

Ion Ratio Lower Upper

101 100

85 42.5 34.9 52.3

151 76.9 59.1 88.7

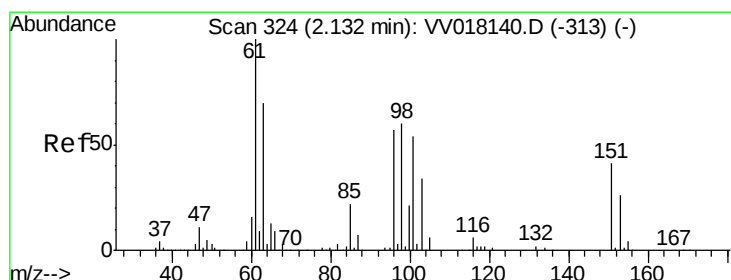
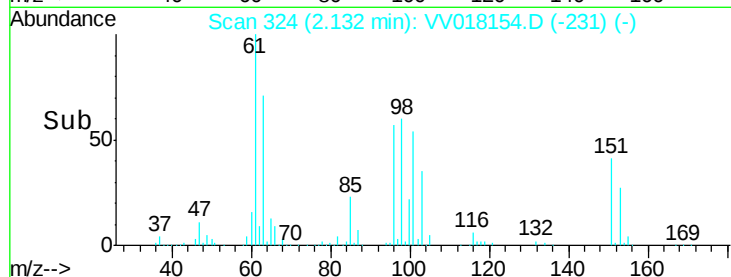
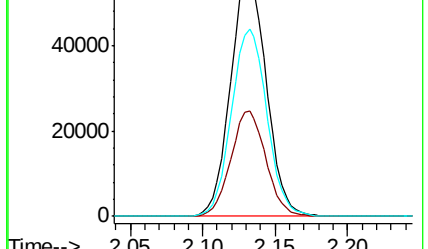


Abundance Ion 101.00 (100.70 to 101.70): VV018140.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018140.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018140.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 46.525 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

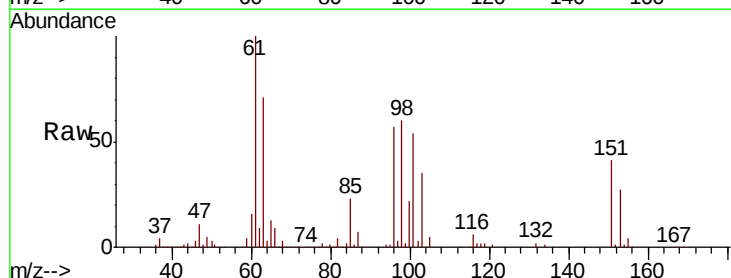
Tgt Ion: 96 Resp: 86792

Ion Ratio Lower Upper

96 100

61 175.1 127.1 236.0

63 124.3 95.2 176.8

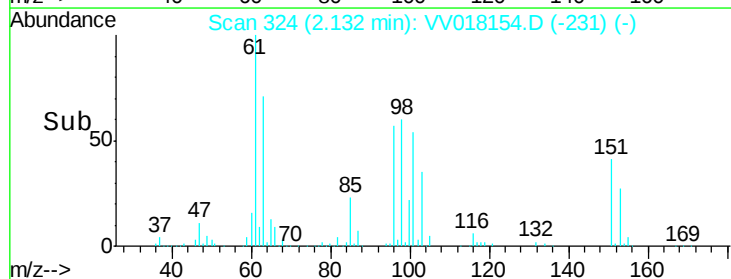
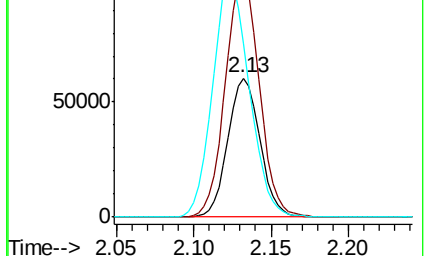


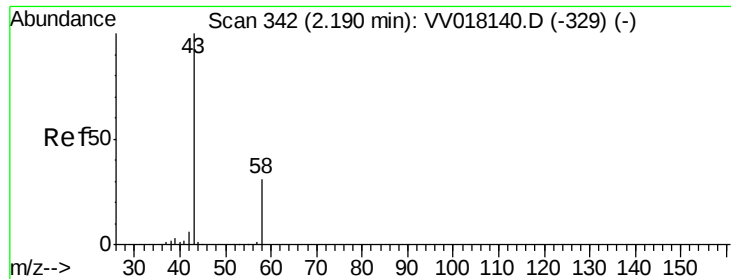
Abundance Ion 96.00 (95.70 to 96.70): VV018140.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018140.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018140.D (-313) (-)

Time-->





#13

Acetone

Concen: 111.631 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

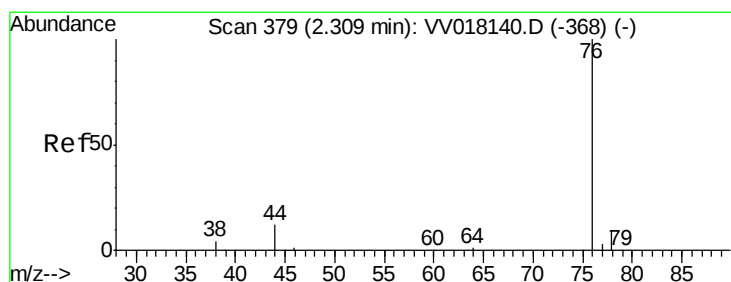
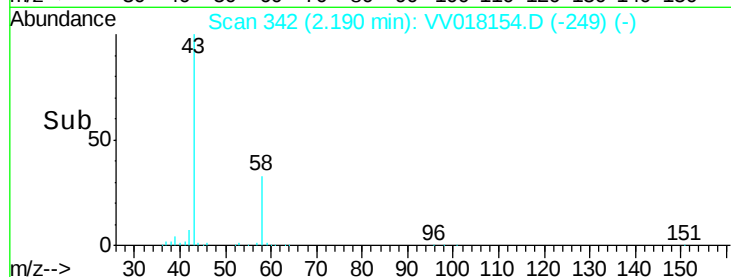
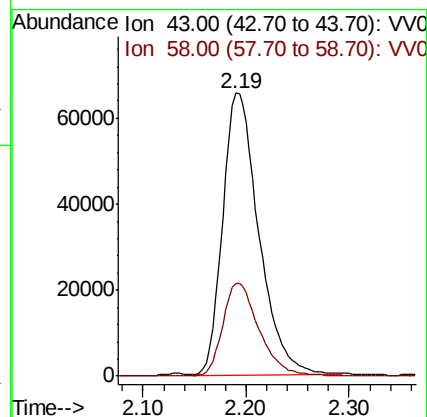
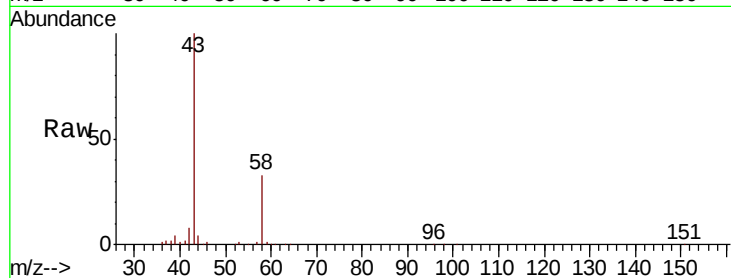
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 160241

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



#14

Carbon disulfide

Concen: 40.626 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018154.D

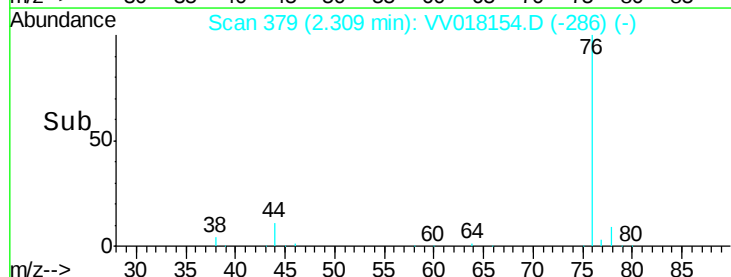
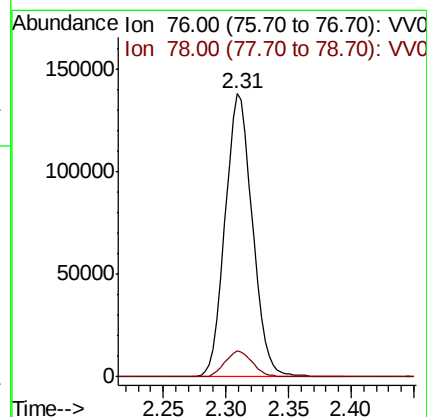
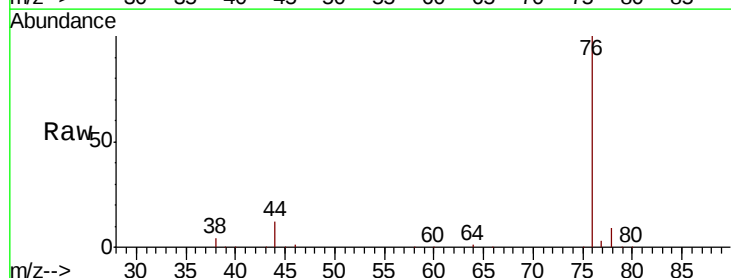
Acq: 04 Sep 2020 12:33

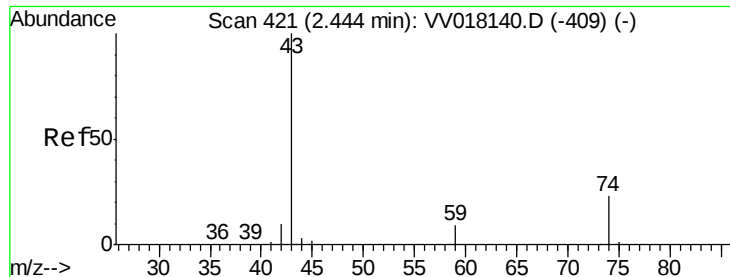
Tgt Ion: 76 Resp: 208589

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

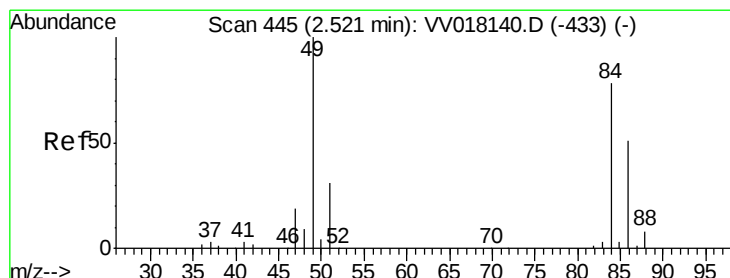
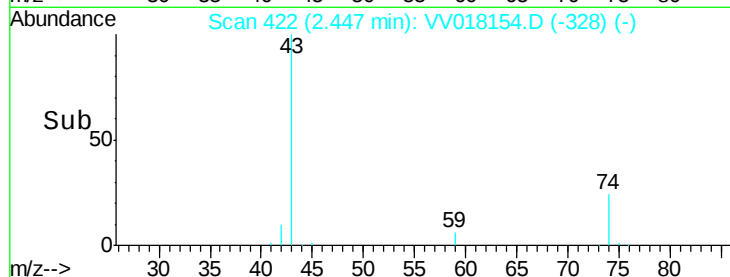
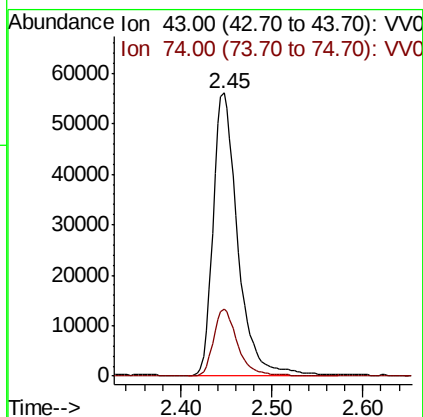
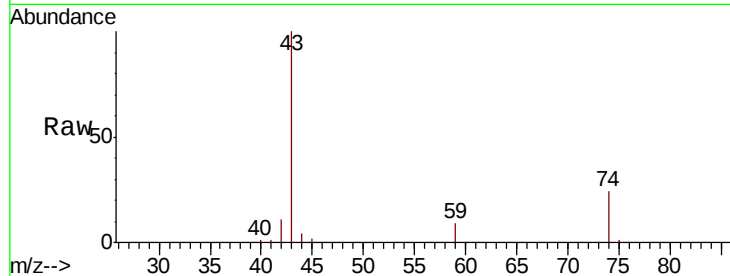




#15
Methvl Acetate
Concen: 45.220 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

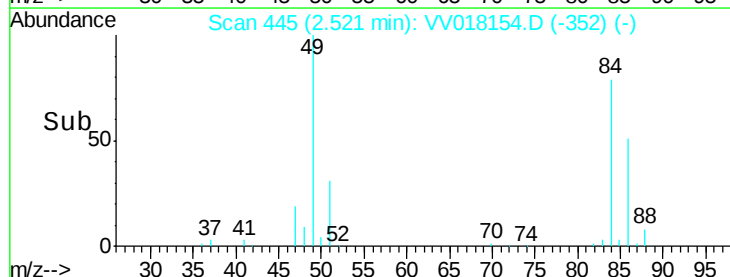
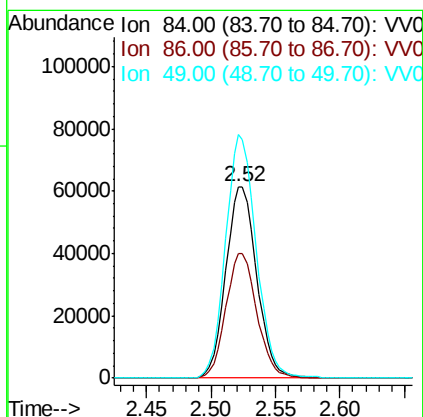
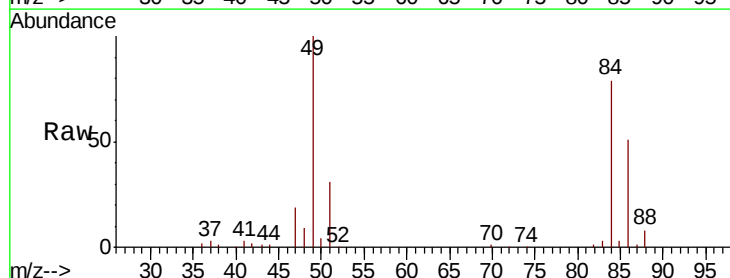
Instrument :
MSVOA_V
ClientSampleId :

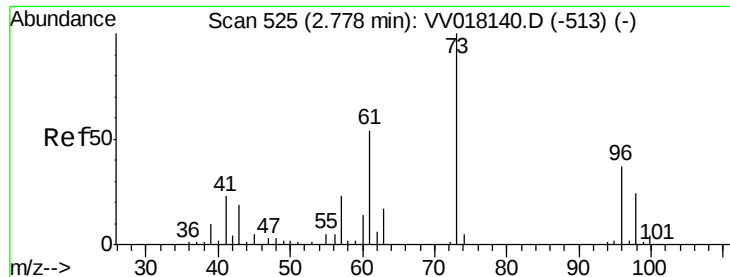
Tot Ion: 43 Resp: 104752
Ion Ratio Lower Upper
43 100
74 23.5 18.4 27.6



#16
Methylene chloride
Concen: 43.123 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion: 84 Resp: 102487
Ion Ratio Lower Upper
84 100
86 65.1 46.3 85.9
49 127.0 89.7 166.5

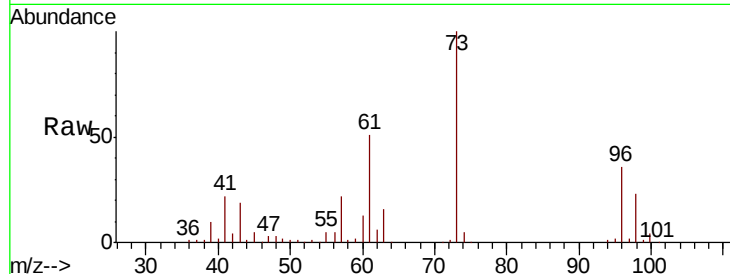




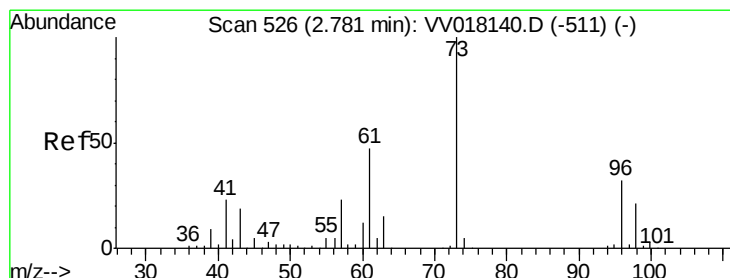
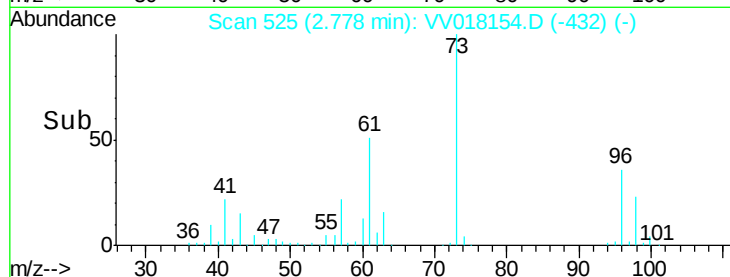
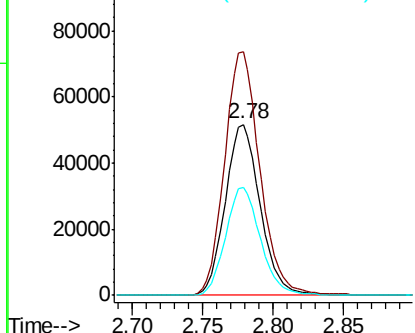
#17
trans-1,2-Dichloroethene
Concen: 46.685 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 89524
Ion Ratio Lower Upper
96 100
61 142.3 102.4 190.2
98 63.4 44.4 82.5

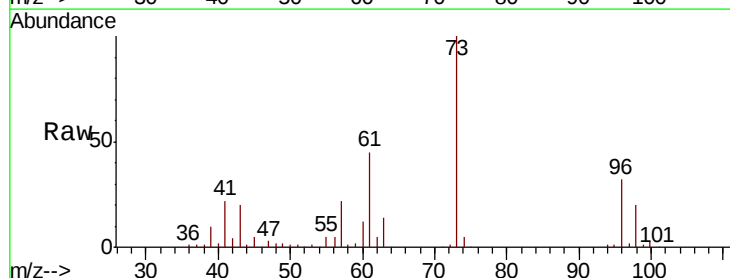


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

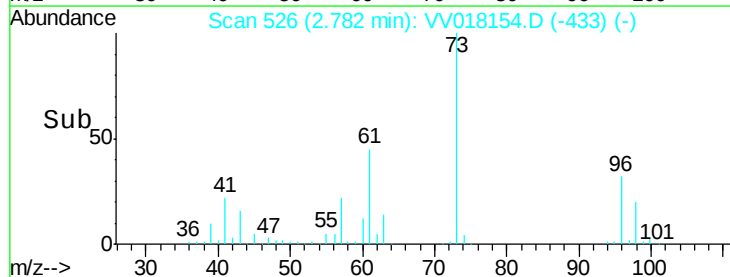
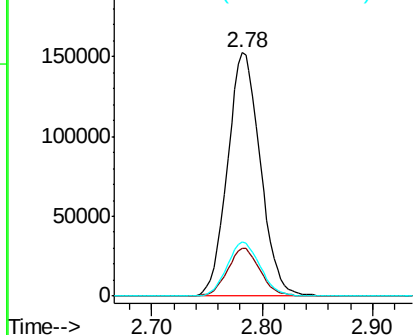


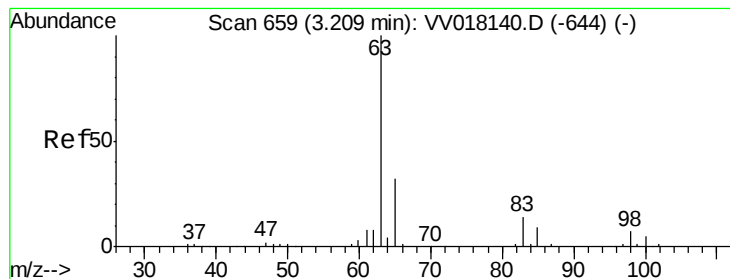
#18
Methyl tert-butyl Ether
Concen: 49.526 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion: 73 Resp: 314092
Ion Ratio Lower Upper
73 100
43 19.2 15.9 23.9
57 22.4 18.1 27.1



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

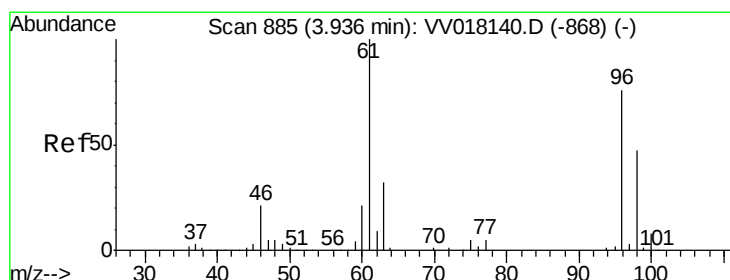
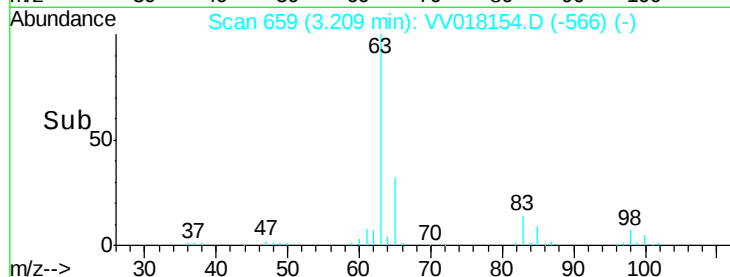
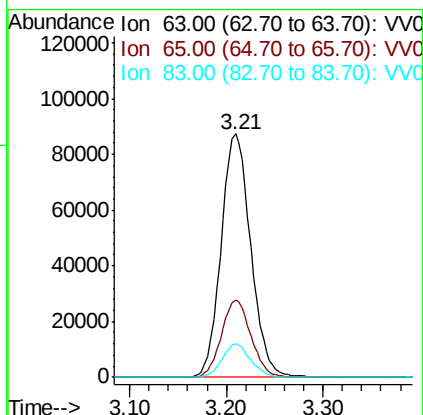
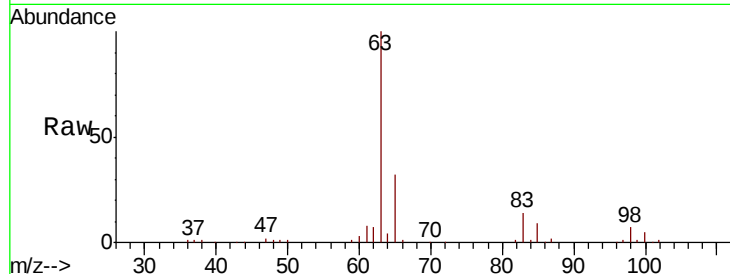




#19
 1,1-Dichloroethane
 Concen: 48.243 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

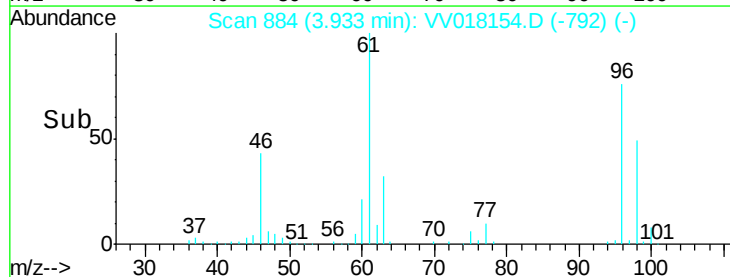
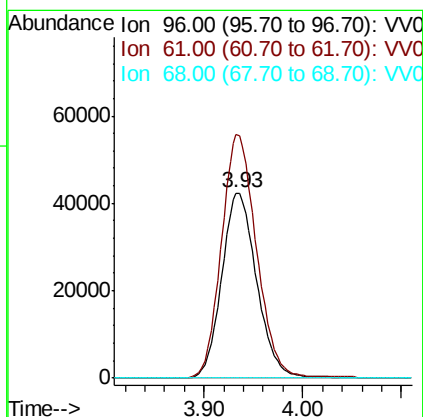
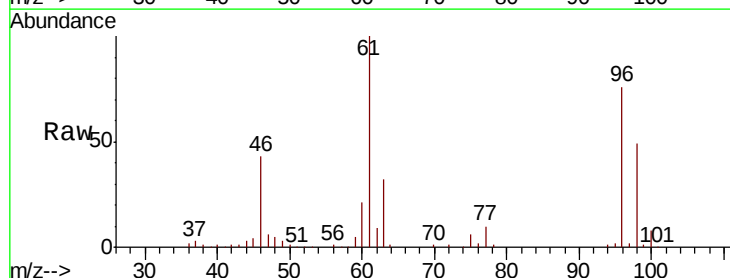
Instrument :
 MSVOA_V
 ClientSampleId :

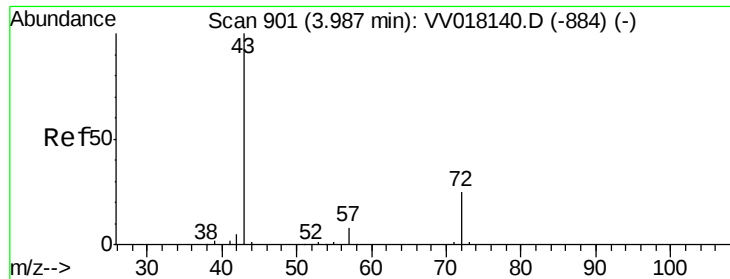
Tot Ion: 63 Resp: 186019
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 13.7 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 49.725 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Tgt Ion: 96 Resp: 104785
 Ion Ratio Lower Upper
 96 100
 61 131.4 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 109.141 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

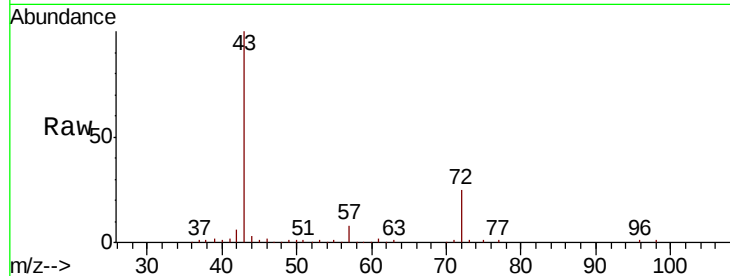
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 175754

Ion Ratio Lower Upper

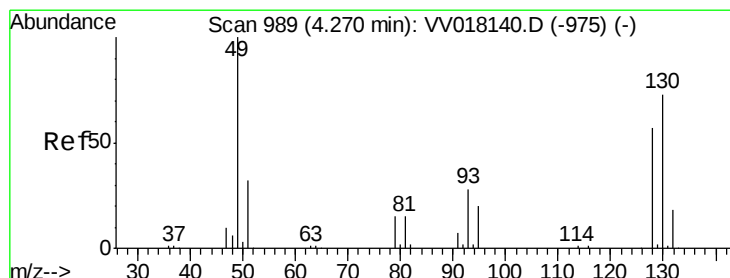
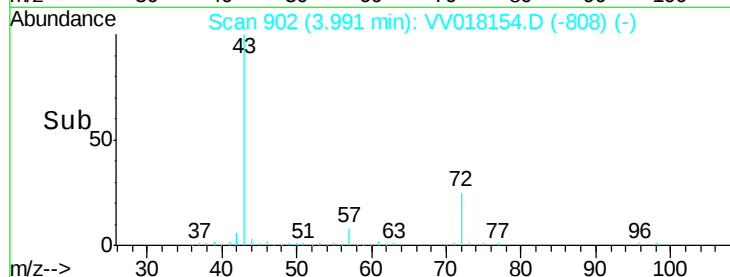
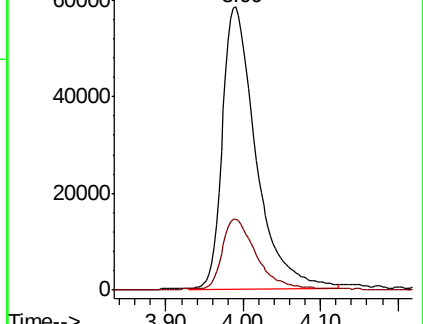
43 100

72 25.6 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018154.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV018154.D (-896) (-)



#23

Bromochloromethane

Concen: 50.050 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Tgt Ion:128 Resp: 55098

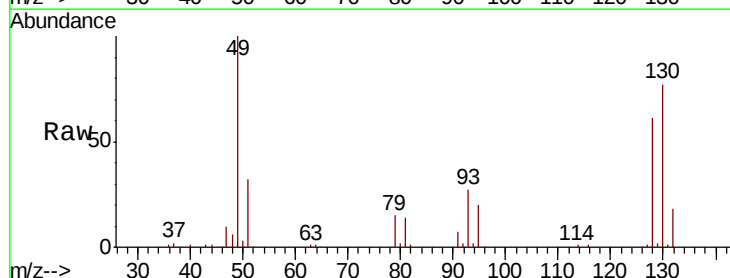
Ion Ratio Lower Upper

128 100

49 165.1 125.6 233.3

130 126.7 89.9 167.0

51 53.3 45.8 68.6

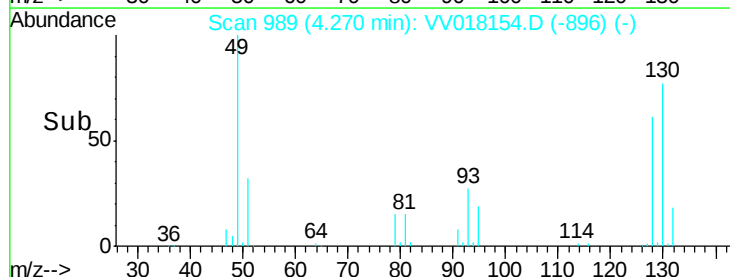
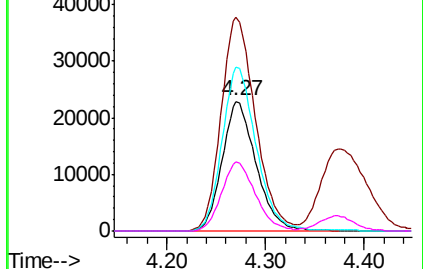


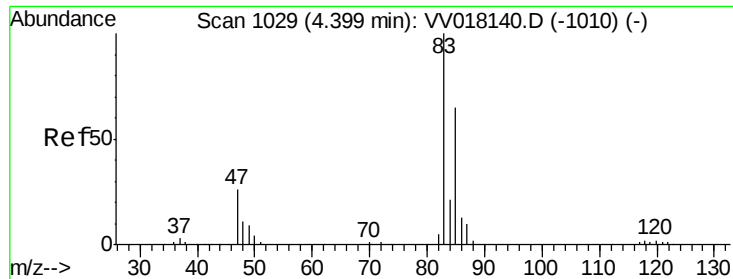
Abundance Ion 128.00 (127.70 to 128.70): VV018154.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018154.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018154.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018154.D (-896) (-)

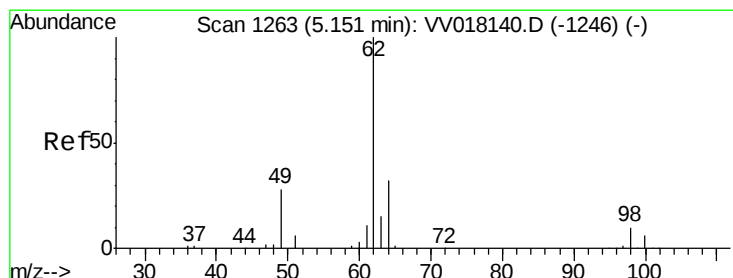
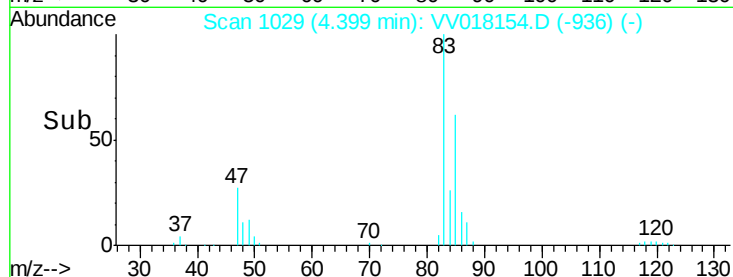
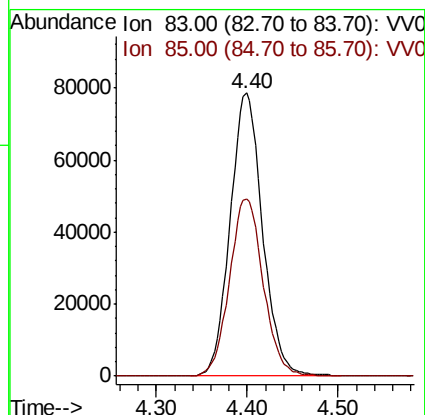
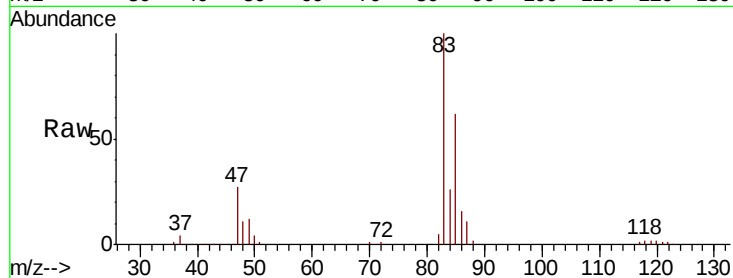




#25
Chloroform
Concen: 49.435 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

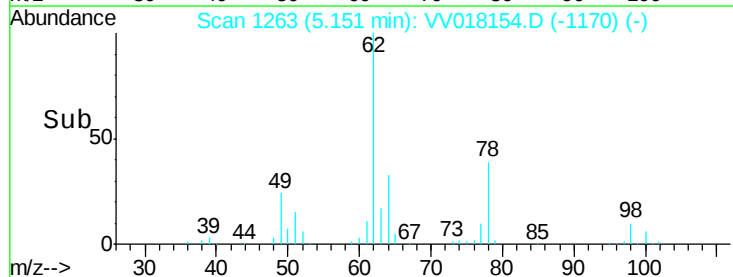
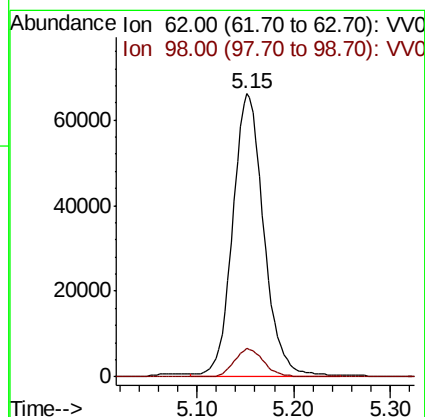
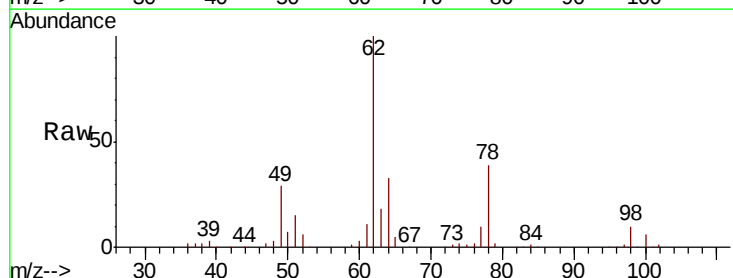
Instrument :
MSVOA_V
ClientSampleId :

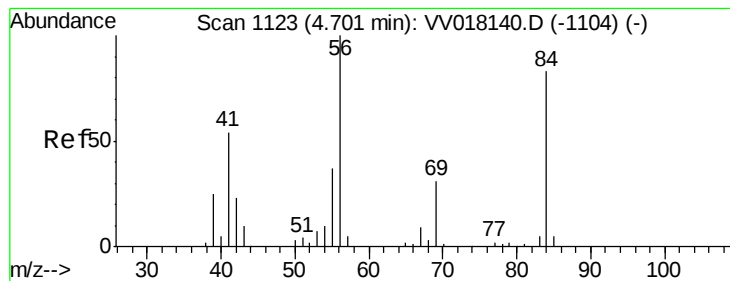
Tot Ion: 83 Resp: 194421
Ion Ratio Lower Upper
83 100
85 62.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.208 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion: 62 Resp: 147778
Ion Ratio Lower Upper
62 100
98 10.0 7.1 10.7





#29

Cyclohexane

Concen: 44.208 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampleId :

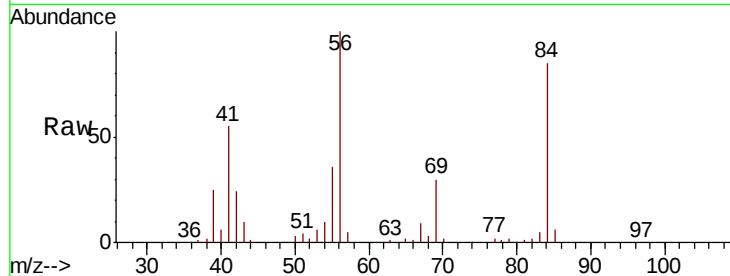
Tot Ion: 56 Resp: 145458

Ion Ratio Lower Upper

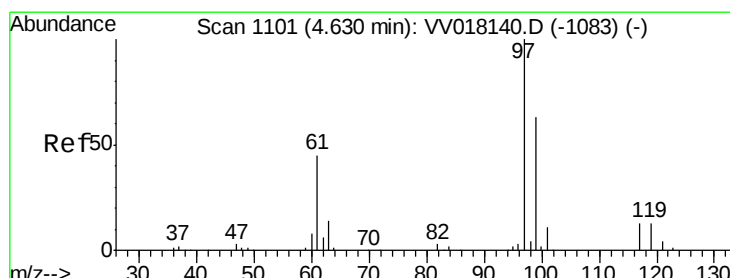
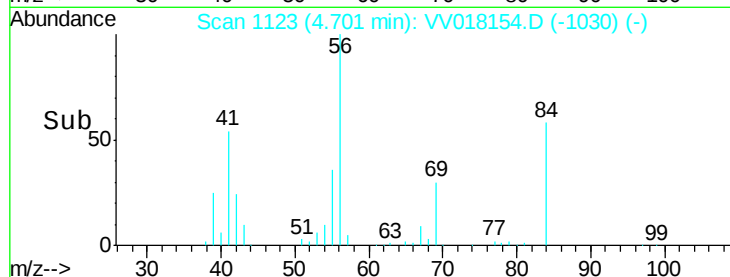
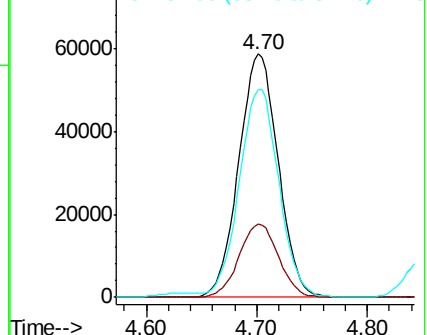
56 100

69 30.1 23.8 35.8

84 86.2 66.8 100.2



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



#30

1,1,1-Trichloroethane

Concen: 48.685 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

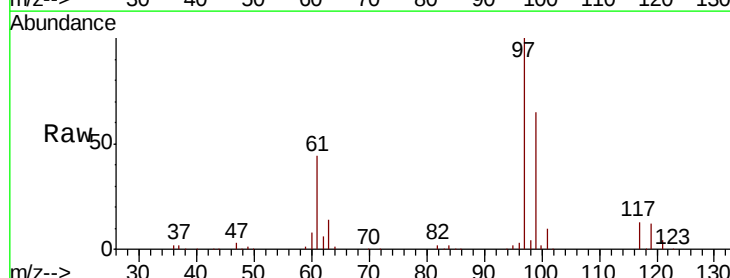
Tgt Ion: 97 Resp: 162647

Ion Ratio Lower Upper

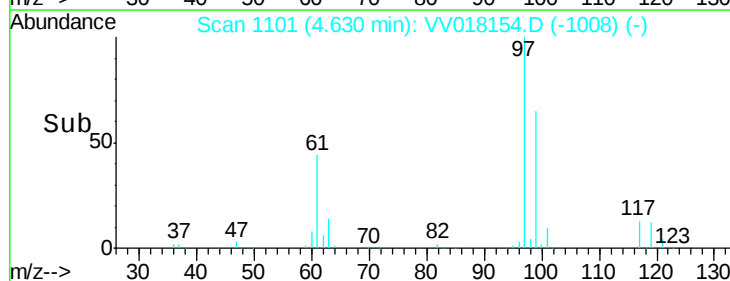
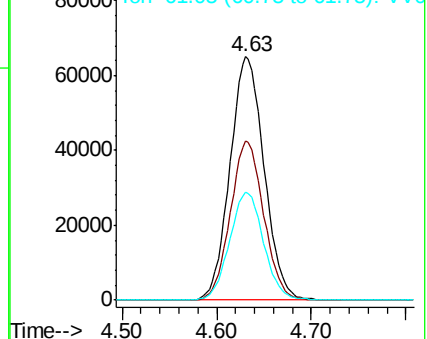
97 100

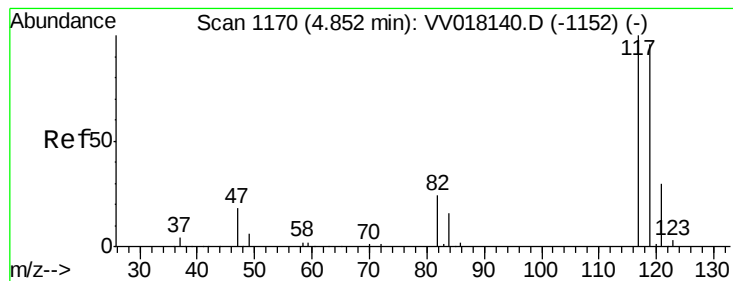
99 63.9 50.6 76.0

61 44.2 37.0 55.6



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





#31

Carbon tetrachloride

Concen: 50.021 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

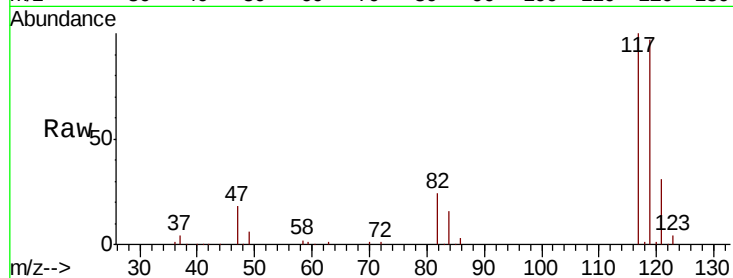
ClientSampleId :

Tot Ion:117 Resp: 139115

Ion Ratio Lower Upper

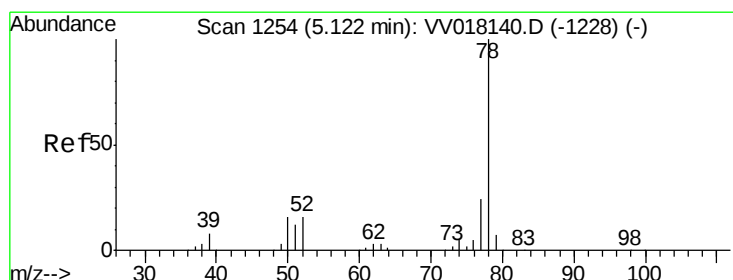
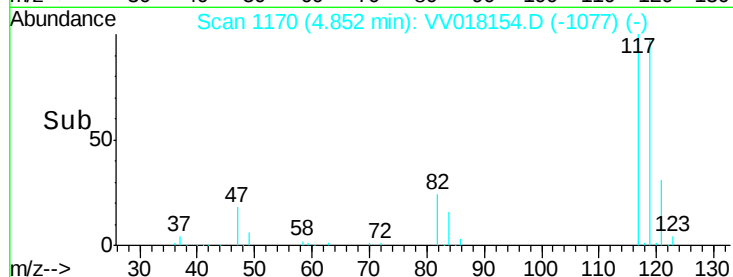
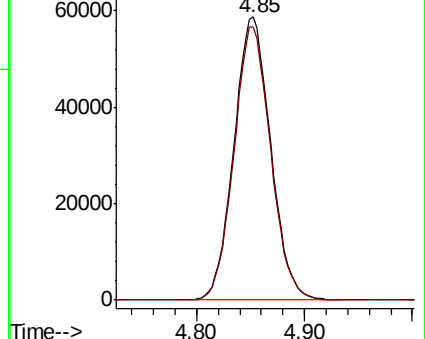
117 100

119 96.5 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: 46.903 ug/L

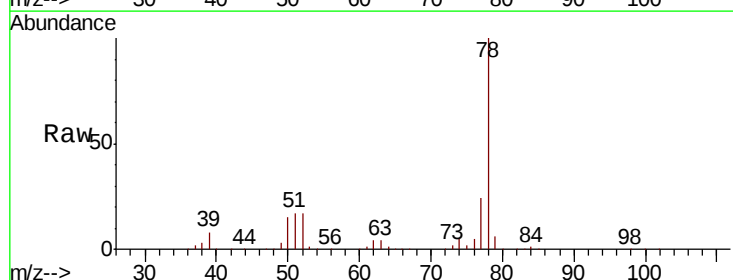
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

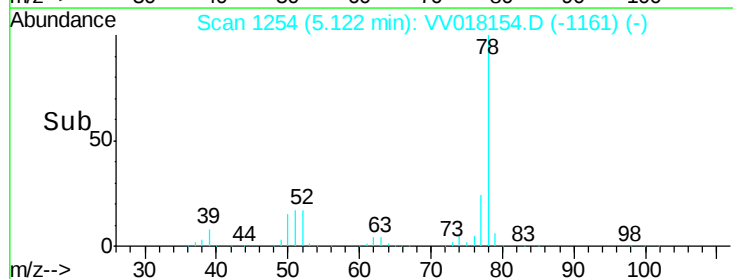
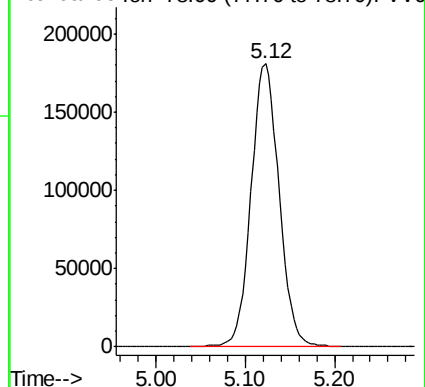
Lab File: VV018154.D

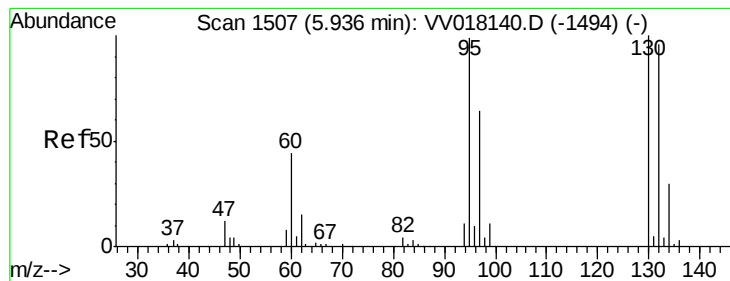
Acq: 04 Sep 2020 12:33

Tgt Ion: 78 Resp: 395601



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.755 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 106469

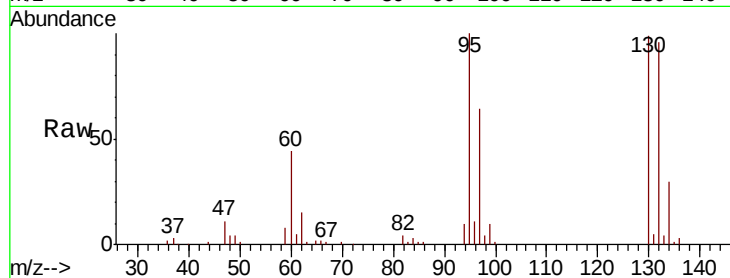
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 96.1 65.8 122.2

130 99.1 69.2 128.6



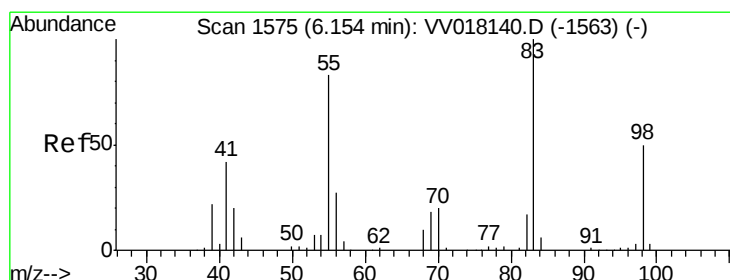
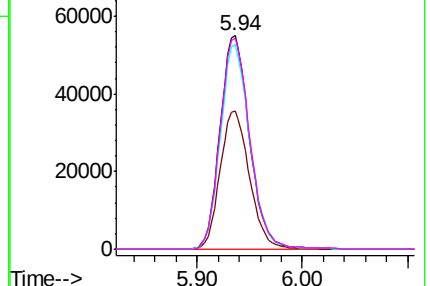
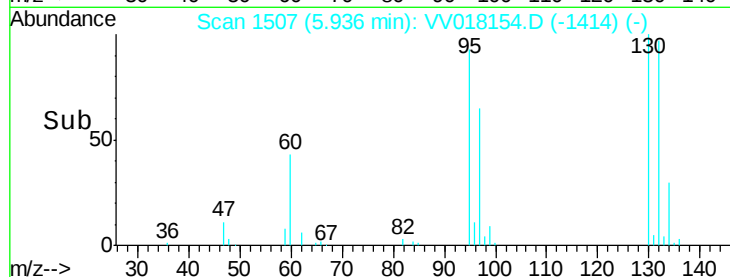
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 45.338 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

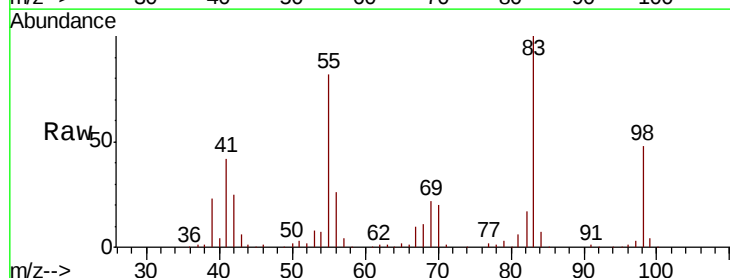
Tgt Ion: 83 Resp: 150302

Ion Ratio Lower Upper

83 100

55 80.3 64.9 97.3

98 48.3 38.7 58.1

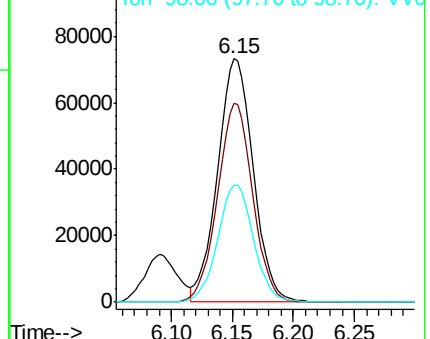
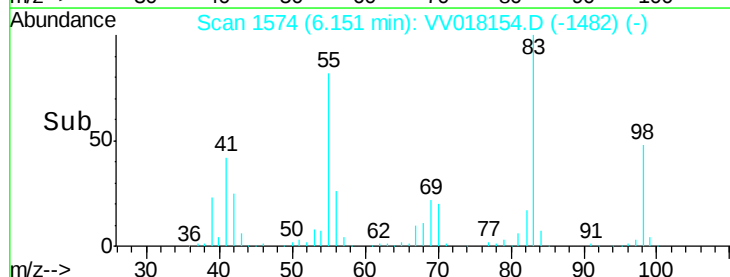


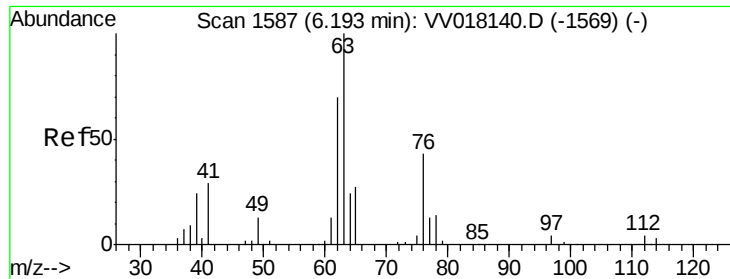
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

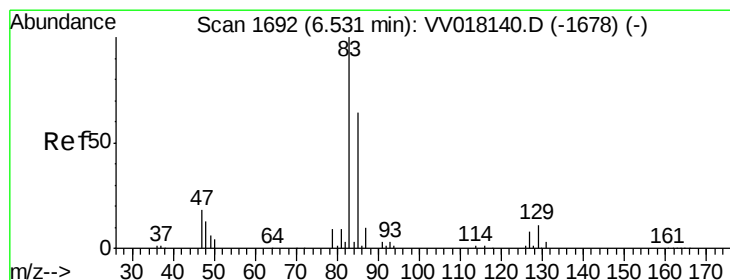
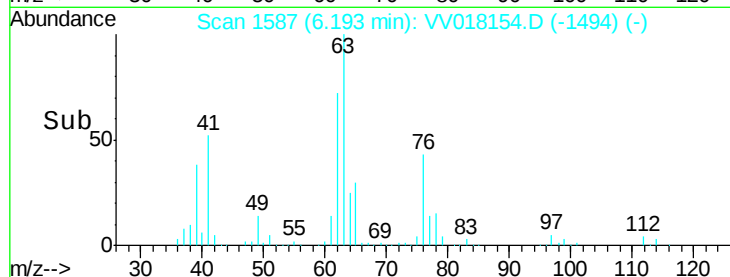
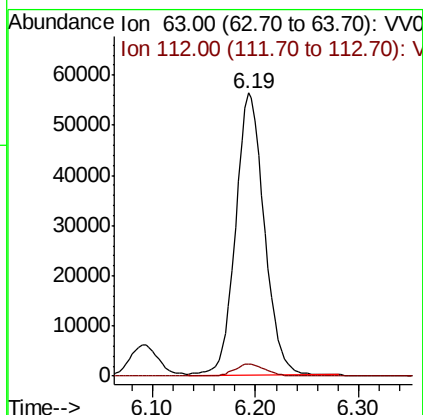
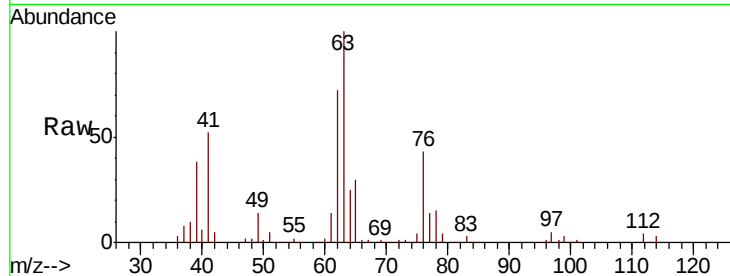




#37
 1,2-Dichloropropane
 Concen: 47.576 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

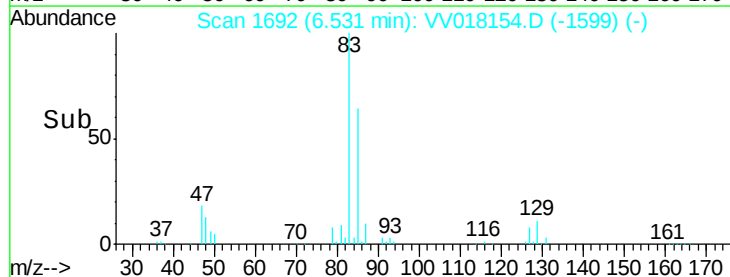
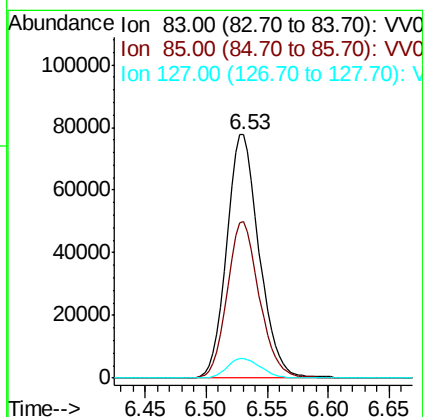
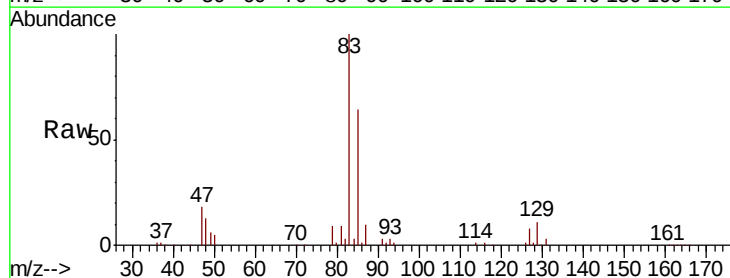
Instrument :
 MSVOA_V
 ClientSampleId :

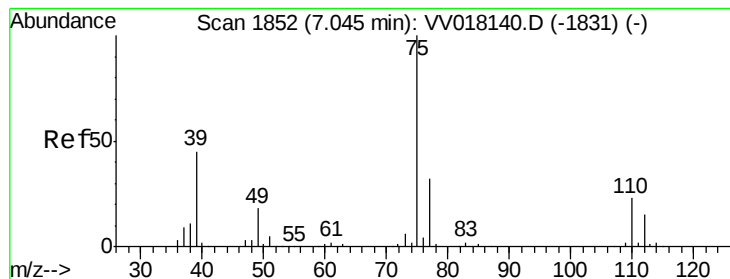
Tot Ion: 63 Resp: 109432
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.621 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Tgt Ion: 83 Resp: 144627
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.3 82.3
 127 8.2 6.5 9.7



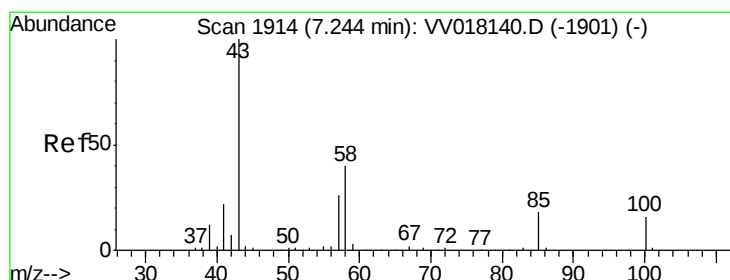
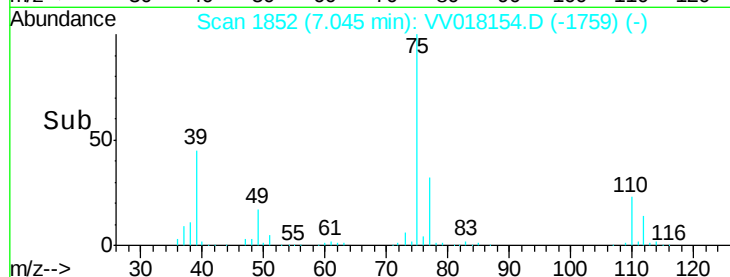
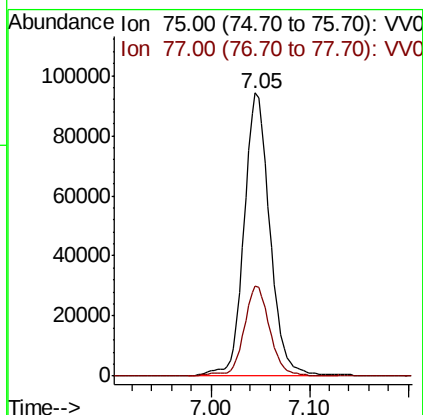
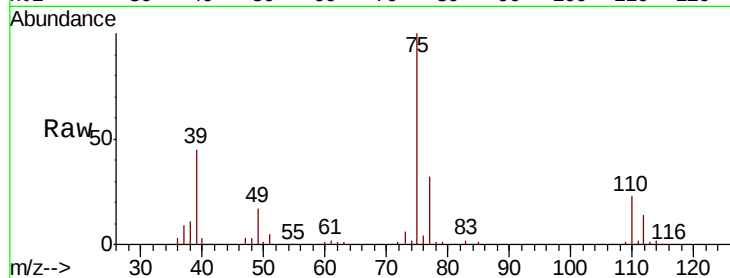


#39

cis-1,3-Dichloropropene
 Concen: 52.430 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Instrument :
 MSVOA_V
 ClientSampleId :

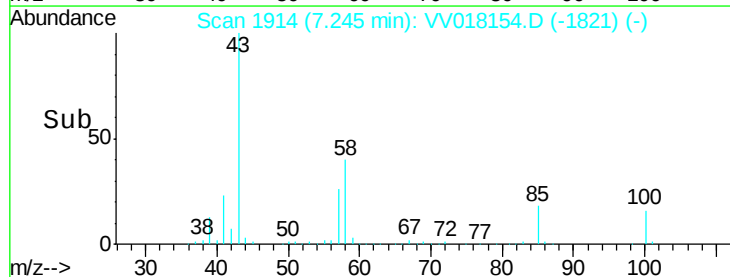
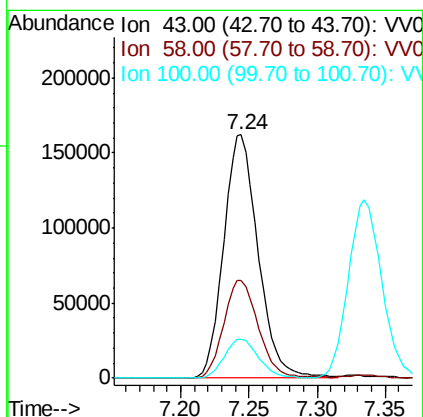
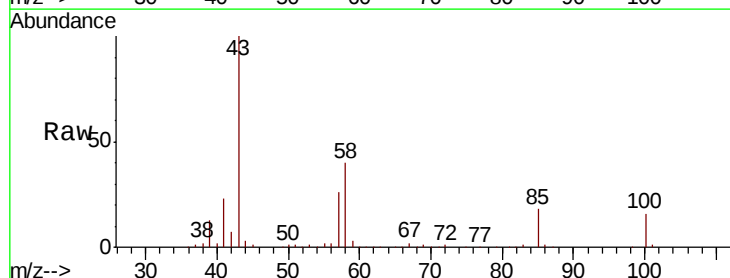
Tot Ion: 75 Resp: 170962
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5

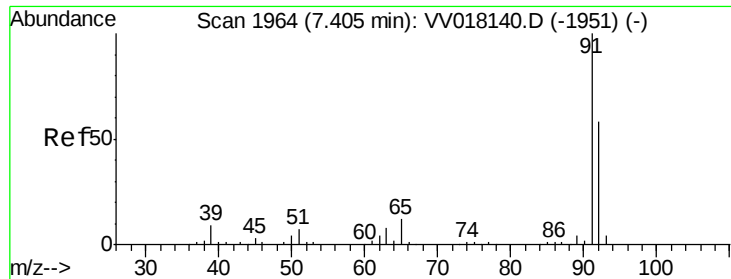


#40

4-Methyl-2-pentanone
 Concen: 94.699 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Tgt Ion: 43 Resp: 284750
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9
 100 16.0 12.2 18.2





#42

Toluene

Concen: 48.674 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

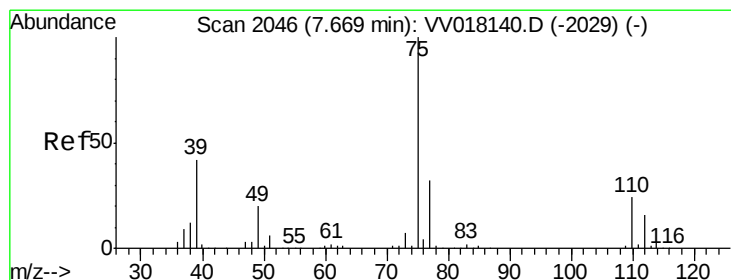
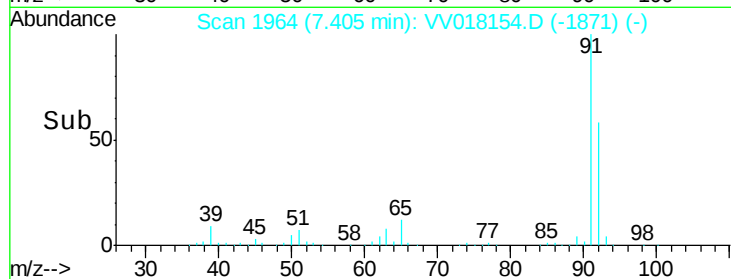
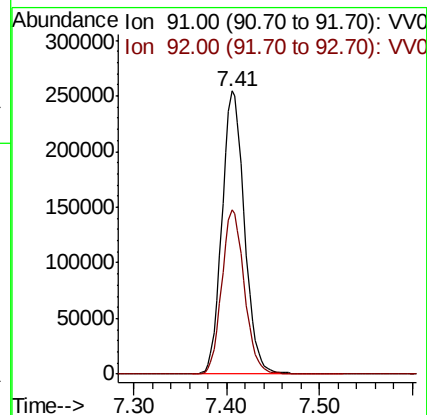
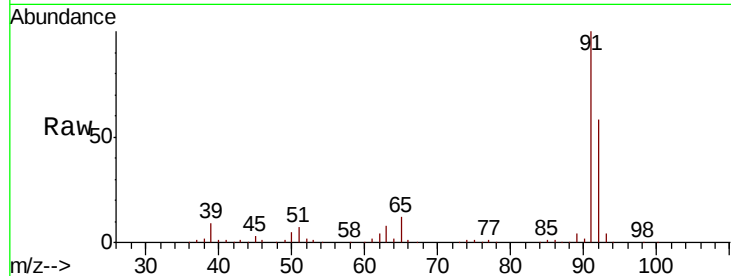
ClientSampled :

Tot Ion: 91 Resp: 428392

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 54.622 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018154.D

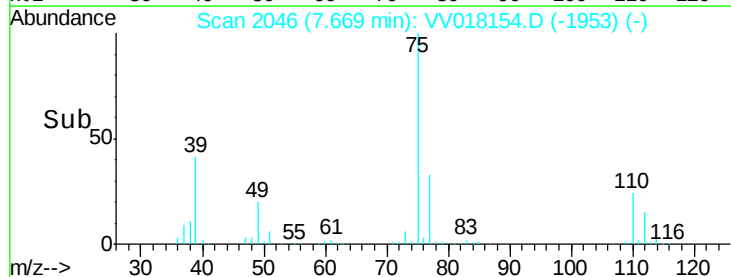
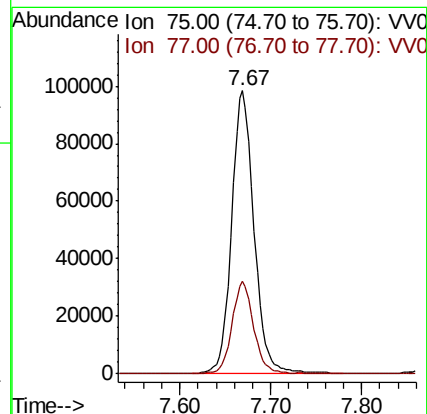
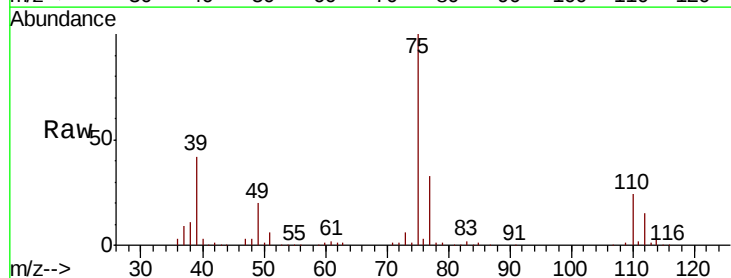
Acq: 04 Sep 2020 12:33

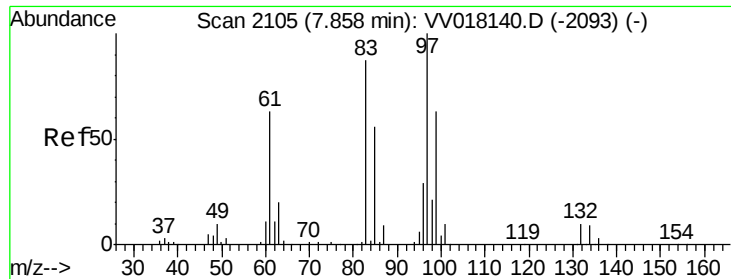
Tgt Ion: 75 Resp: 168993

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5

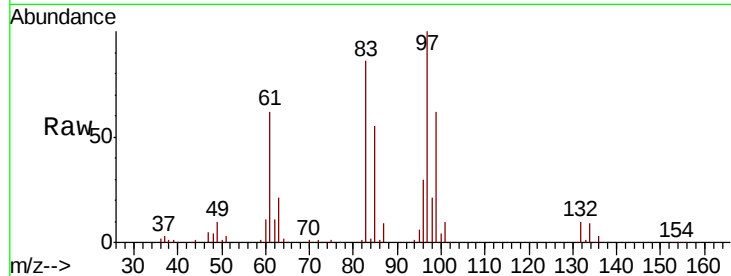




#45
1,1,2-Trichloroethane
Concen: 49.467 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	105371
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	86.5	61.0	113.4
85	55.3	39.5	73.4



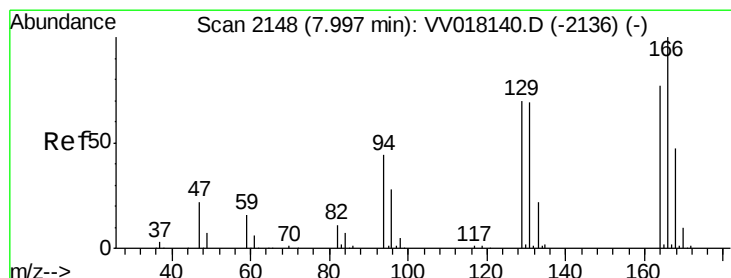
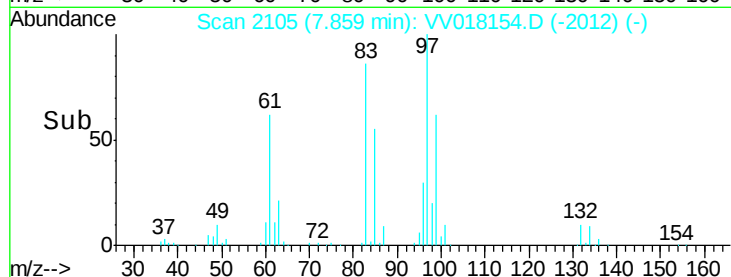
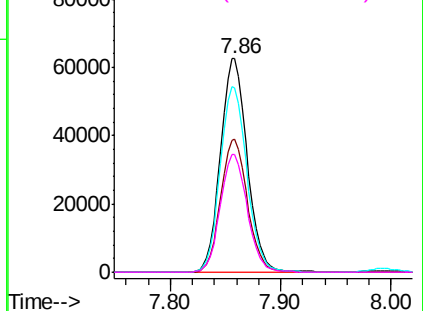
Abundance

Ion 97.00 (96.70 to 97.70): VV018154.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018154.D (-2093) (-)

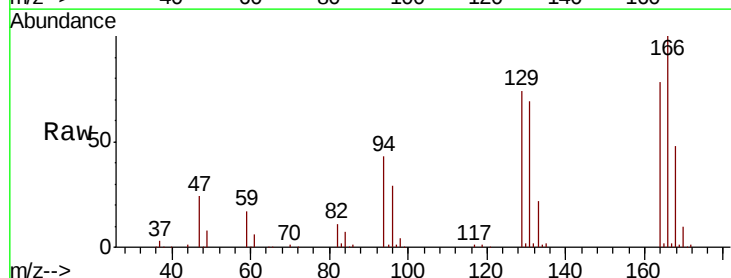
Ion 83.00 (82.70 to 83.70): VV018154.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018154.D (-2093) (-)



#46
Tetrachloroethene
Concen: 50.759 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion:	164	Resp:	82995
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.8	120.3
131	88.5	64.5	119.9
166	127.5	88.9	165.1



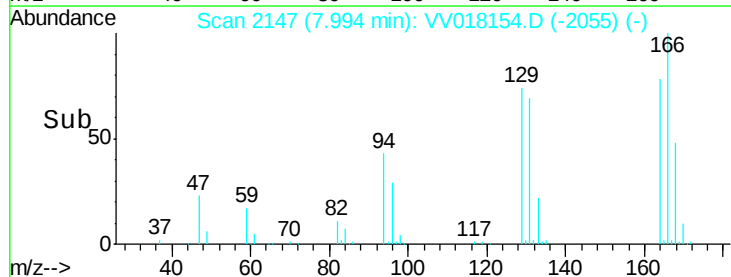
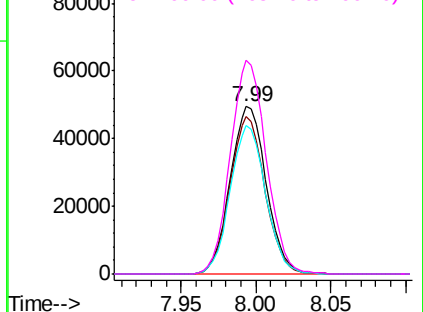
Abundance

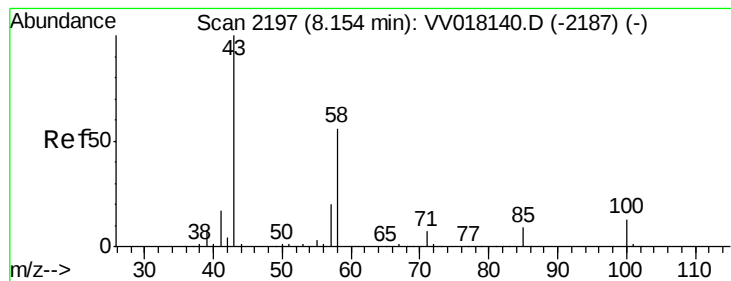
Ion 164.00 (163.70 to 164.70): VV018154.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018154.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018154.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018154.D (-2136) (-)





#48

2-Hexanone

Concen: 100.849 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 244532

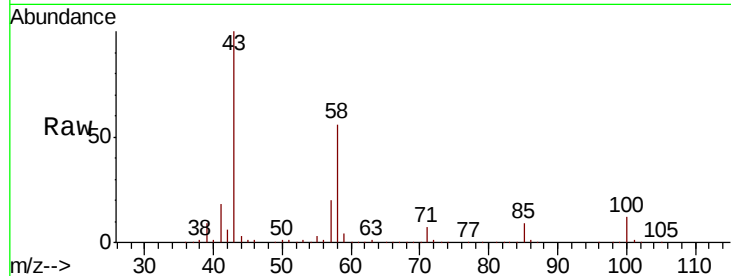
Ion Ratio Lower Upper

43 100

58 56.1 44.4 66.6

57 19.5 15.2 22.8

100 12.4 9.8 14.6

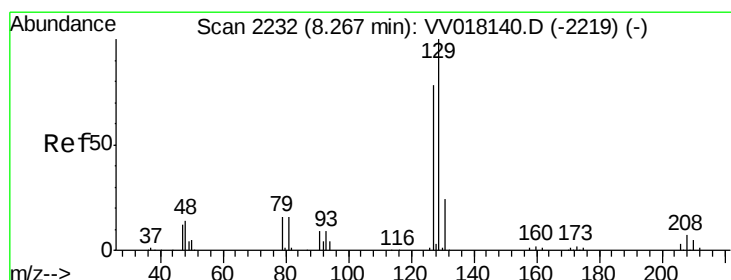
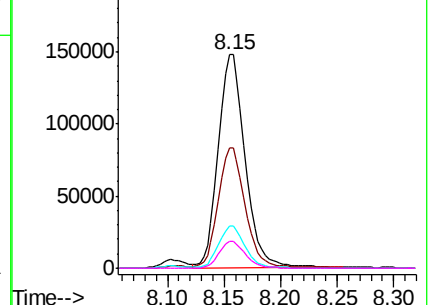
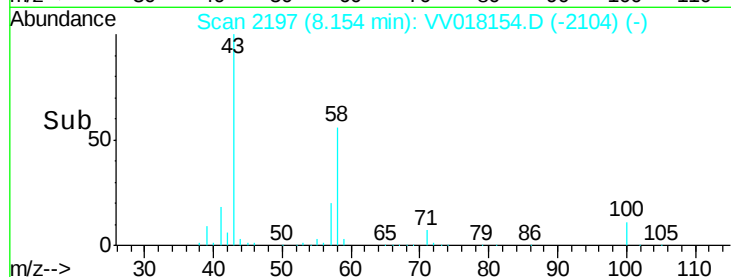


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 56.167 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV018154.D

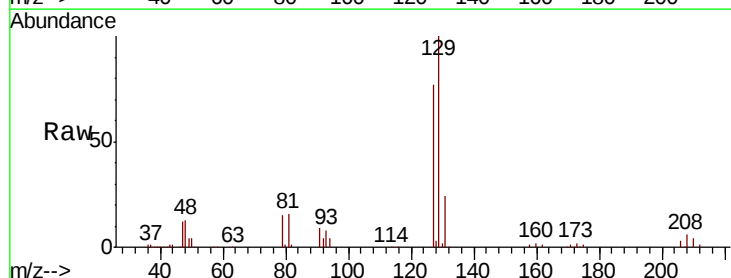
Acq: 04 Sep 2020 12:33

Tgt Ion: 129 Resp: 116782

Ion Ratio Lower Upper

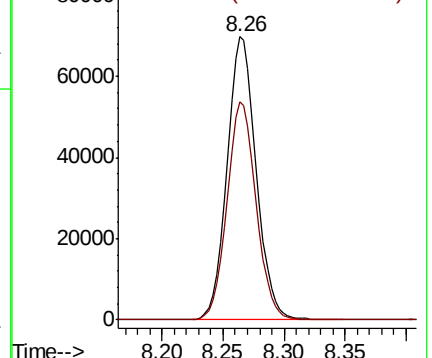
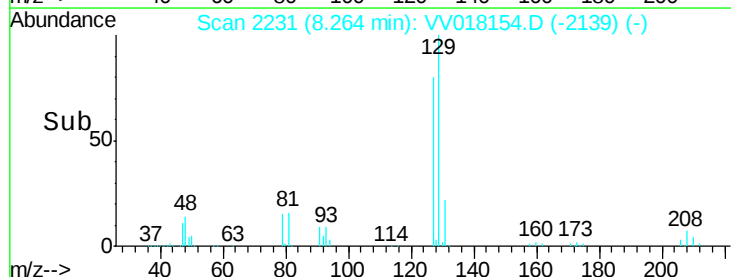
129 100

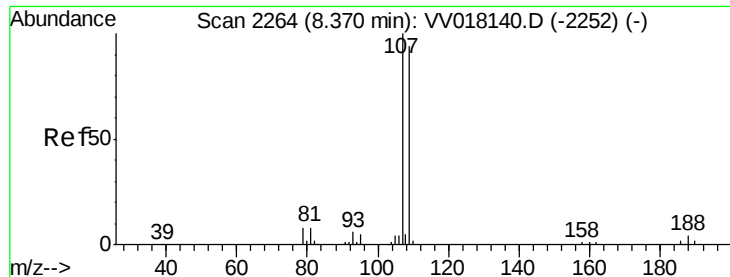
127 77.3 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

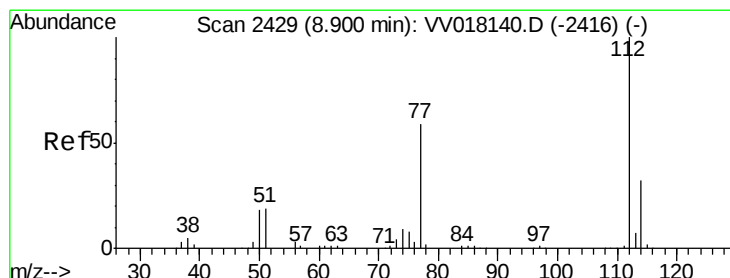
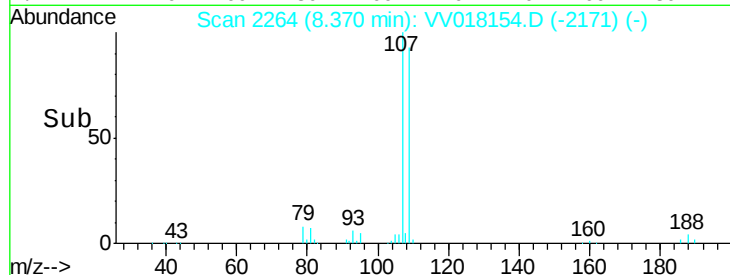
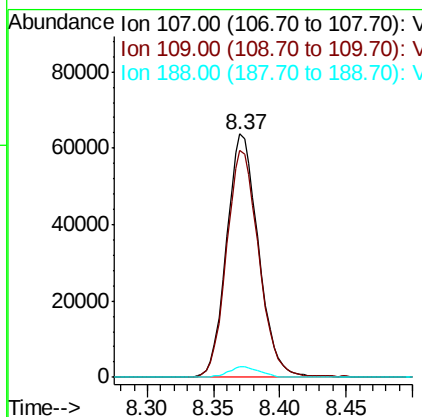
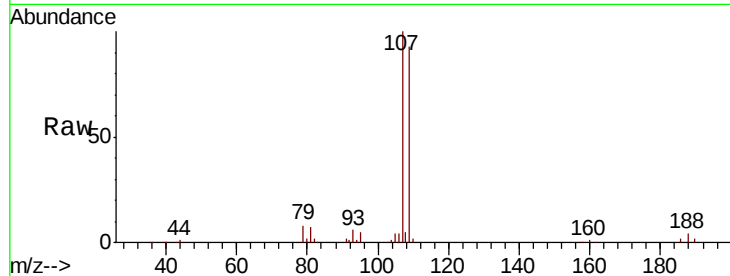




#50
 1,2-Dibromoethane
 Concen: 48.286 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

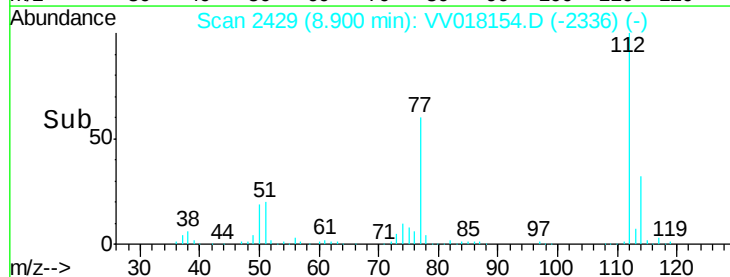
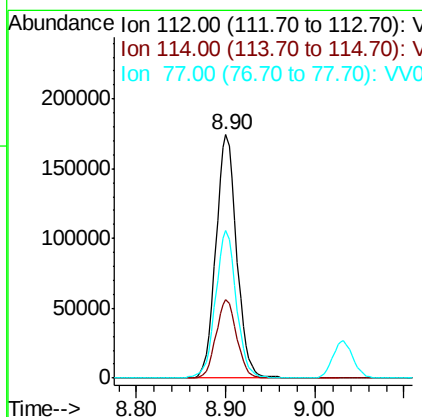
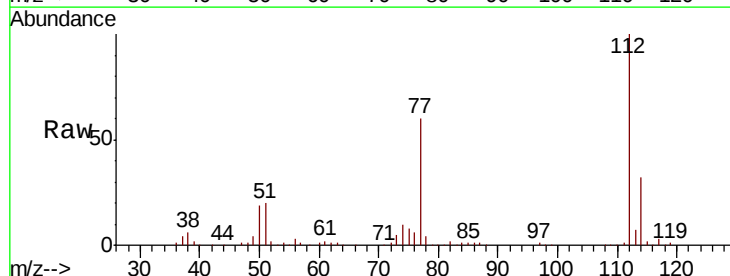
Instrument :
 MSVOA_V
 ClientSampleId :

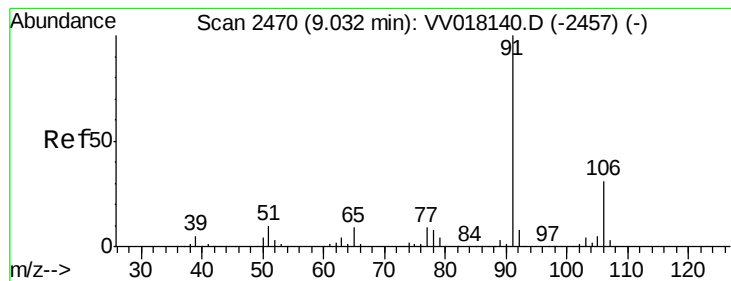
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	67.5	125.4
188	4.2	3.4	5.0



#51
 Chlorobenzene
 Concen: 49.792 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.3
77	60.4	49.4	74.2





#52

Ethylbenzene

Concen: 49.928 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

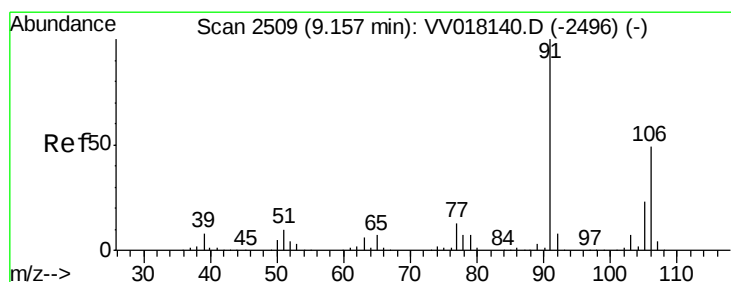
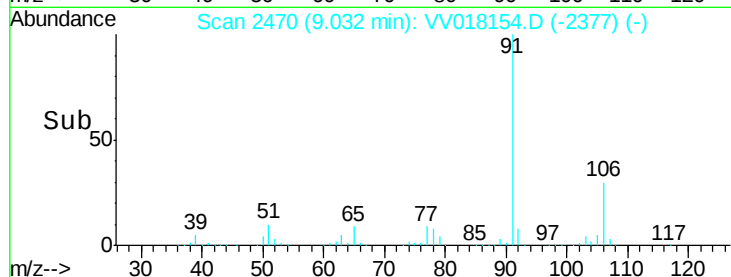
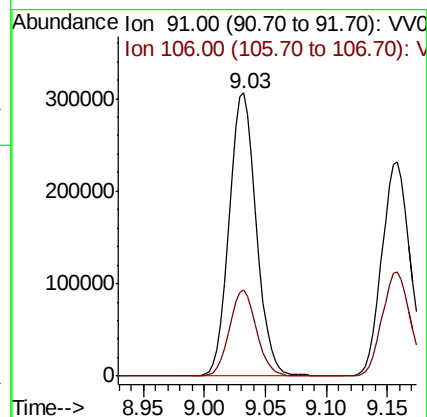
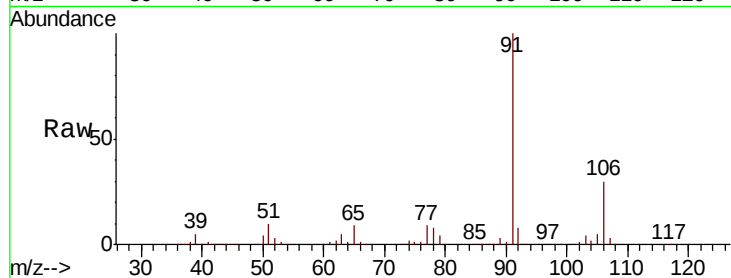
ClientSampleId :

Tot Ion: 91 Resp: 479130

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



#53

m,p-Xylene

Concen: 51.084 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018154.D

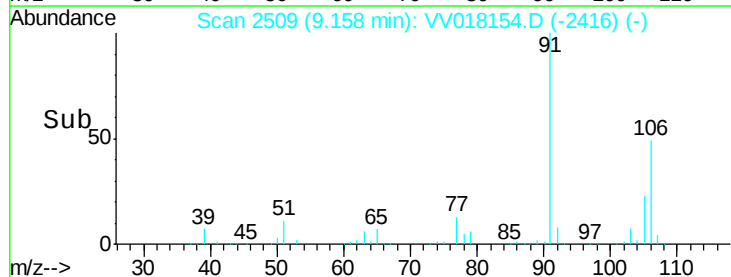
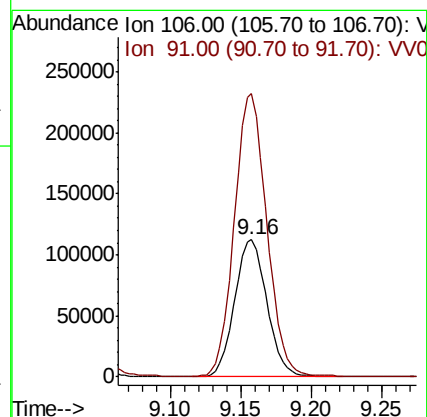
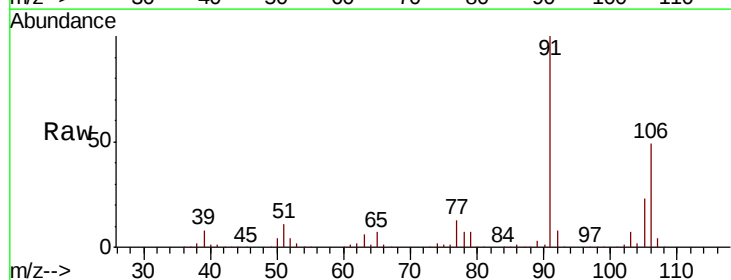
Acq: 04 Sep 2020 12:33

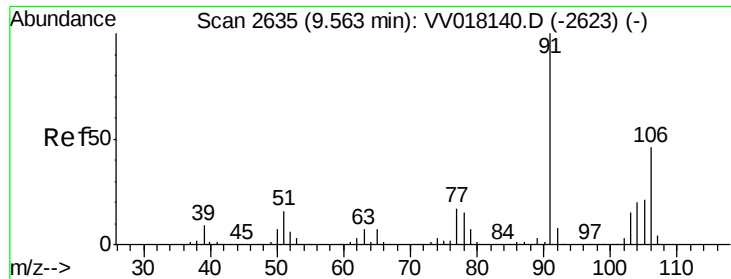
Tgt Ion: 106 Resp: 180303

Ion Ratio Lower Upper

106 100

91 206.0 147.3 273.6

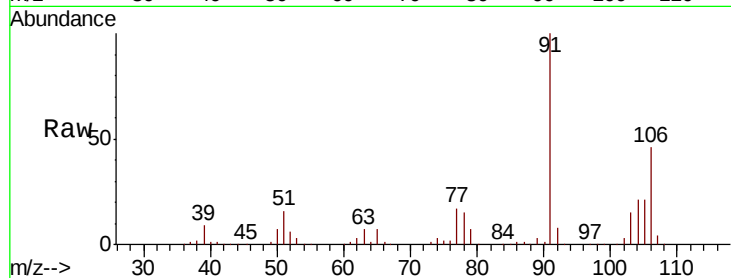




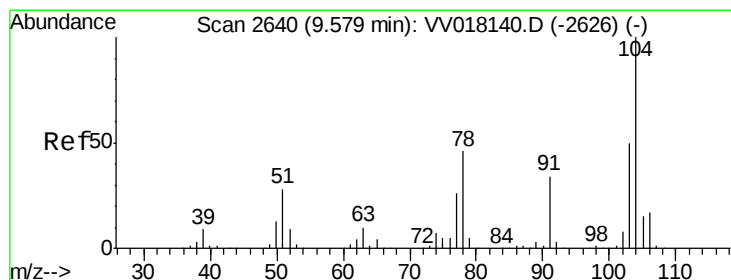
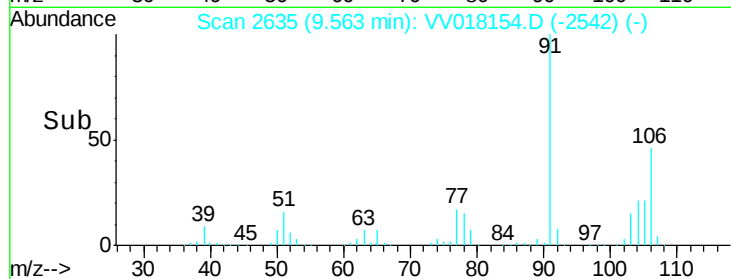
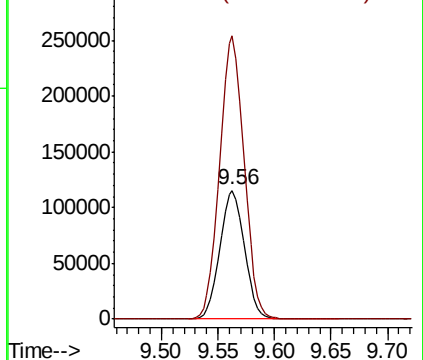
#54
o-xylene
Concen: 50.238 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 175230
Ion Ratio Lower Upper
106 100
91 219.2 156.0 289.8

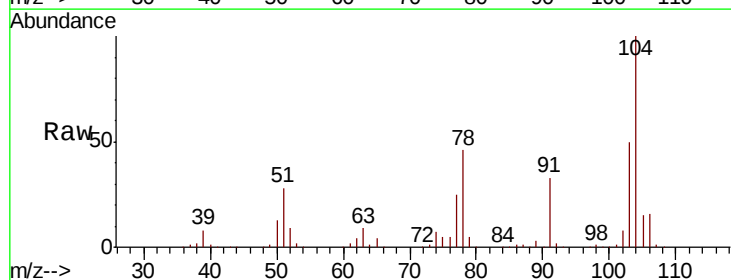


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

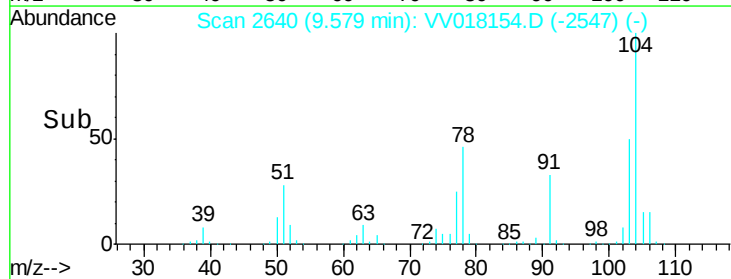
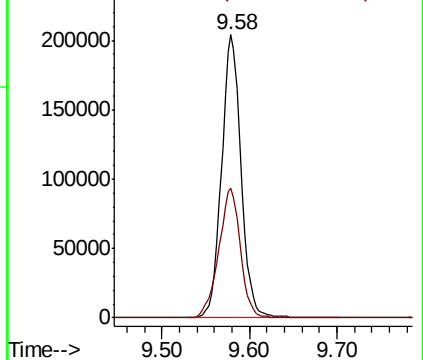


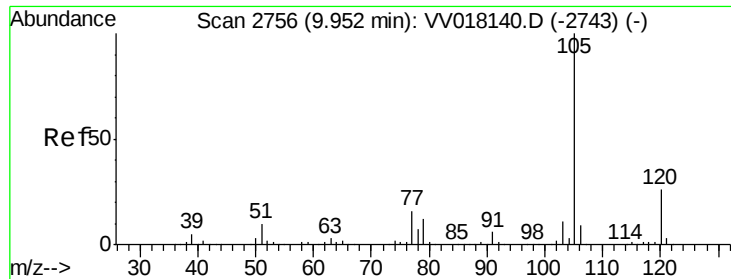
#55
Styrene
Concen: 52.889 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018154.D
Acq: 04 Sep 2020 12:33

Tgt Ion:104 Resp: 315913
Ion Ratio Lower Upper
104 100
78 45.7 32.2 59.8



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





#56

Isopropylbenzene

Concen: 52.101 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

ClientSampleId :

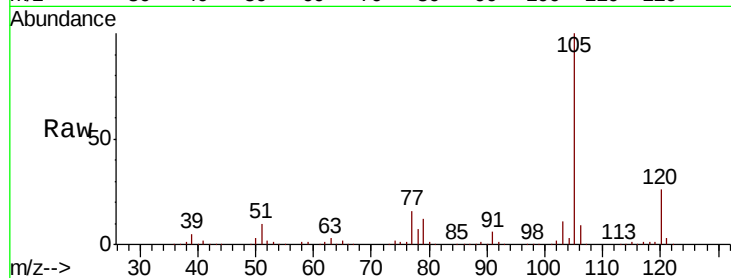
Tot Ion:105 Resp: 479410

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

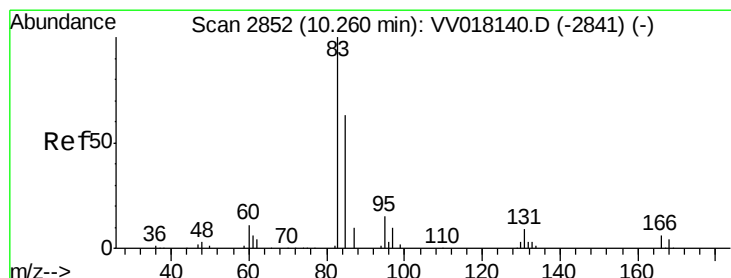
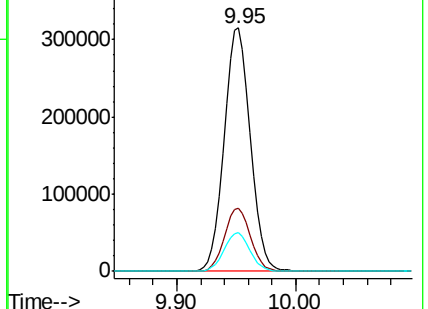
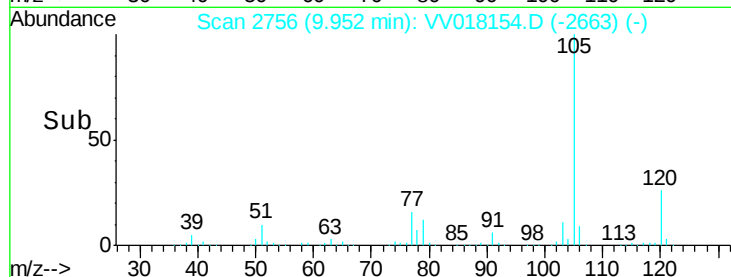
77 15.7 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VV018154.D (-2663) (-)

Ion 120.00 (119.70 to 120.70): VV018154.D (-2663) (-)

Ion 77.00 (76.70 to 77.70): VV018154.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 48.421 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

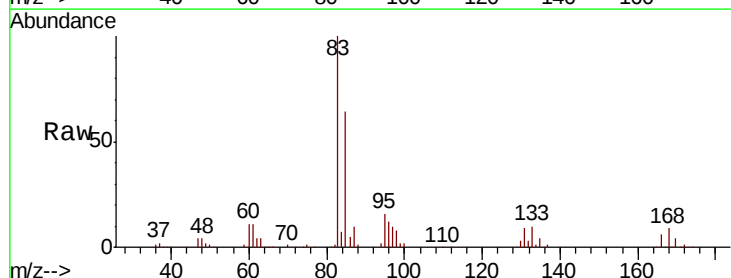
Tgt Ion: 83 Resp: 160614

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

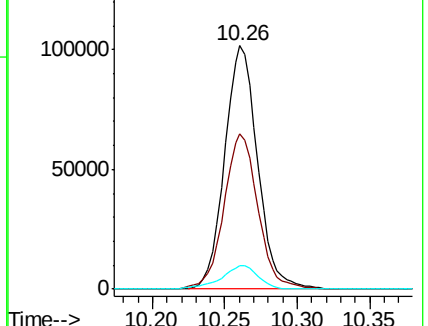
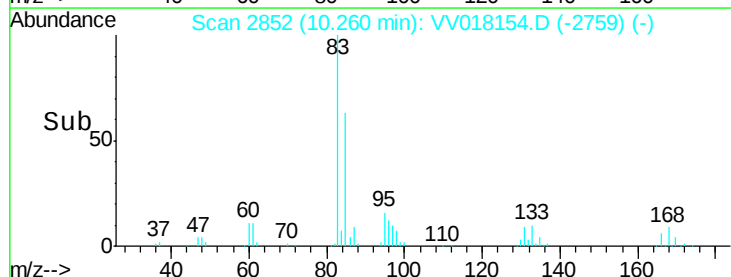
131 9.5 7.8 11.6

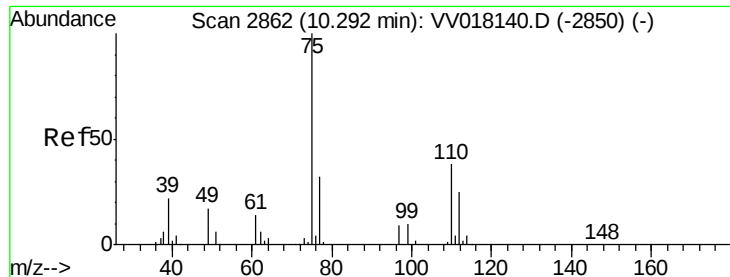


Abundance Ion 83.00 (82.70 to 83.70): VV018154.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018154.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018154.D (-2759) (-)





#59

1,2,3-Trichloropropane

Concen: 47.451 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

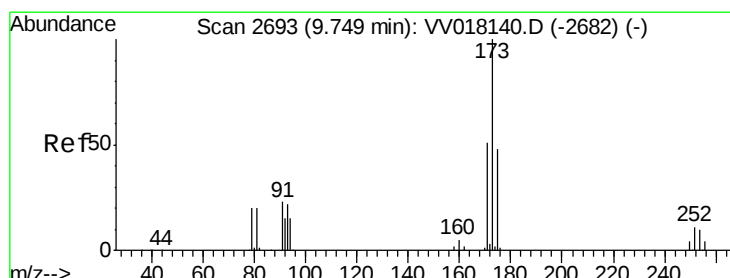
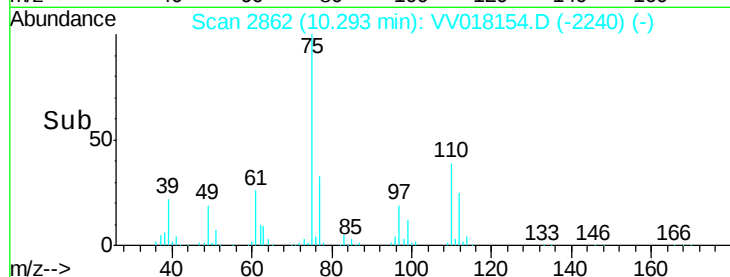
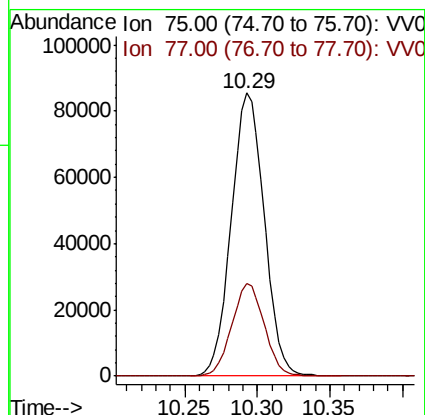
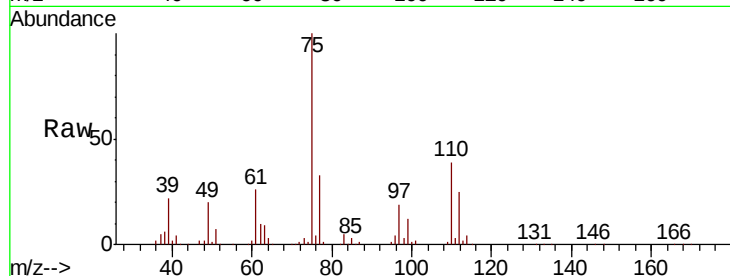
ClientSampleId :

Tot Ion: 75 Resp: 134794

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 59.696 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

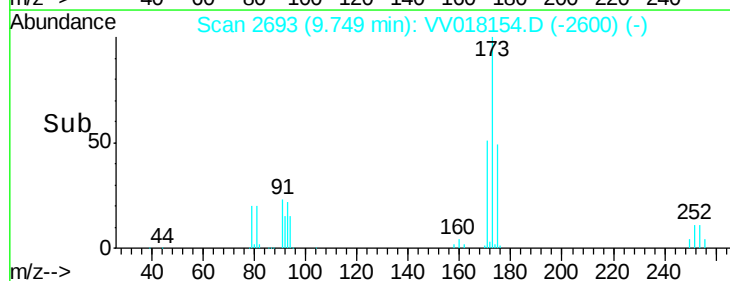
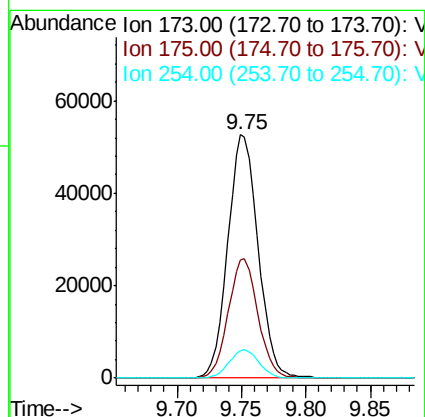
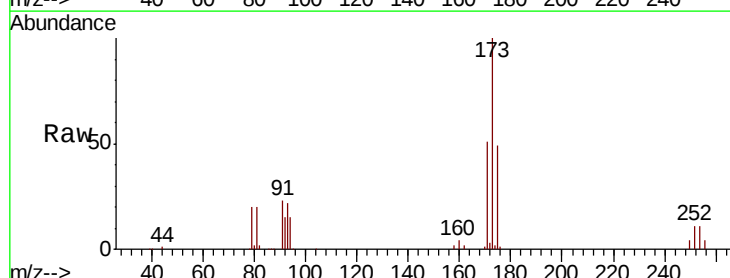
Tgt Ion: 173 Resp: 85655

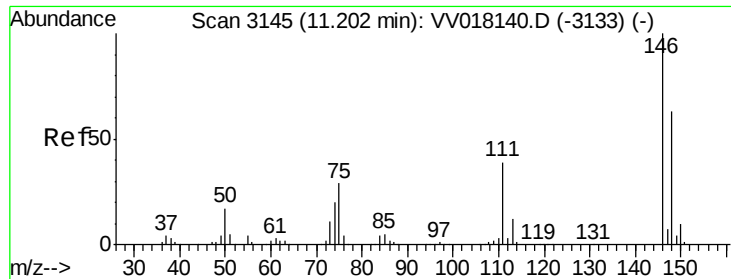
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 11.4 8.4 12.6

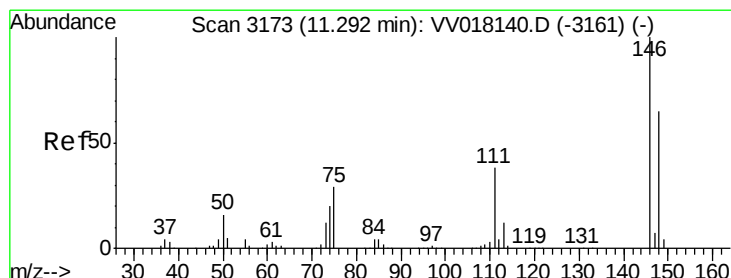
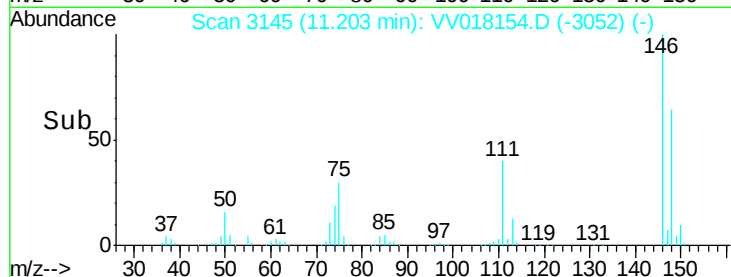
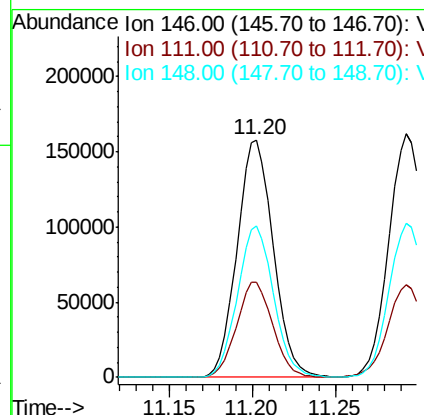
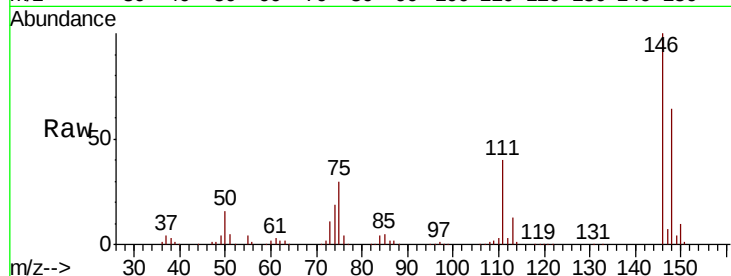




#62
 1,3-Dichlorobenzene
 Concen: 49.761 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

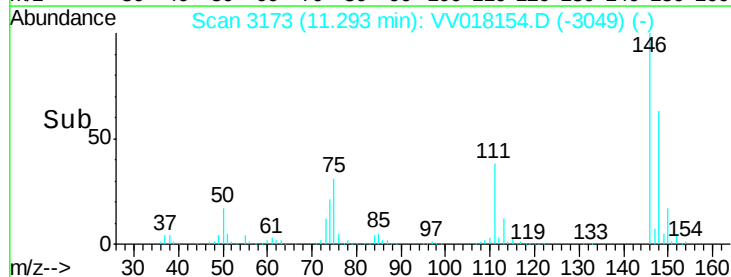
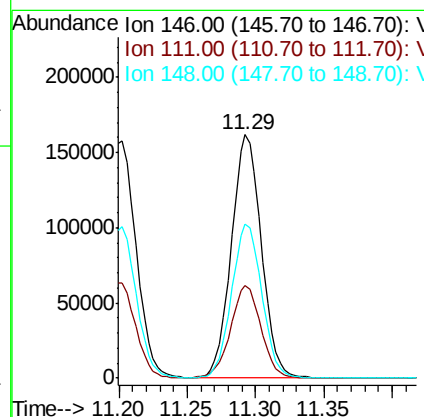
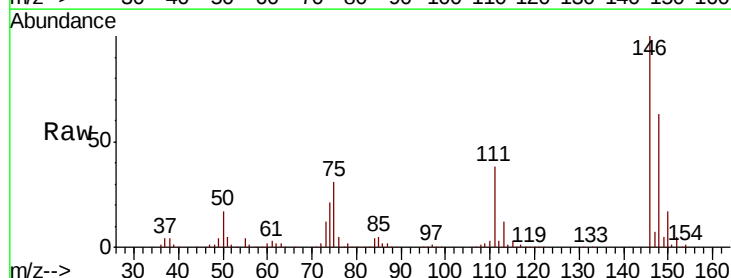
Instrument :
 MSVOA_V
 ClientSampleId :

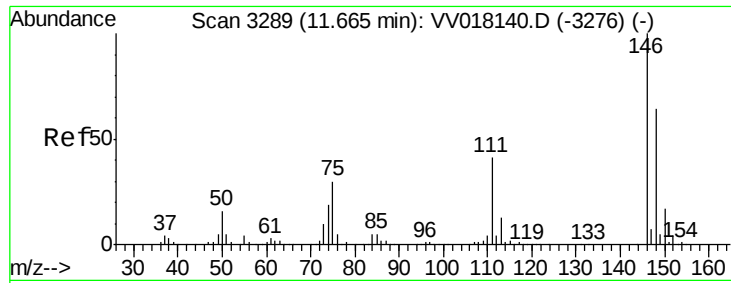
Tot Ion:146 Resp: 239956
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.8 53.4
 148 63.7 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 49.698 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Tgt Ion:146 Resp: 246192
 Ion Ratio Lower Upper
 146 100
 111 38.0 28.0 52.0
 148 63.3 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 48.443 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

ClientSampleId :

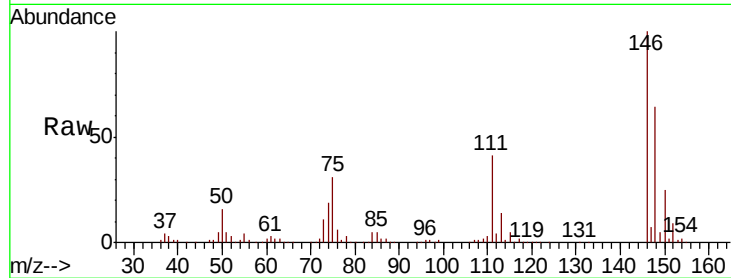
Tot Ion:146 Resp: 240439

Ion Ratio Lower Upper

146 100

111 41.1 34.2 51.4

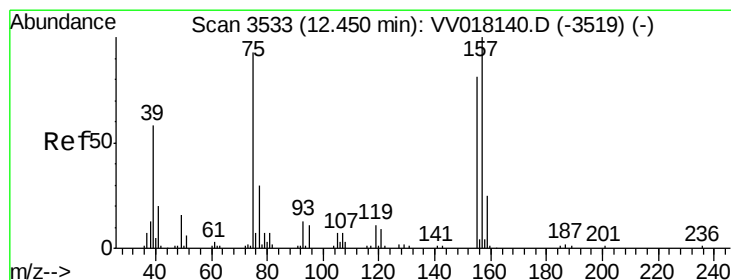
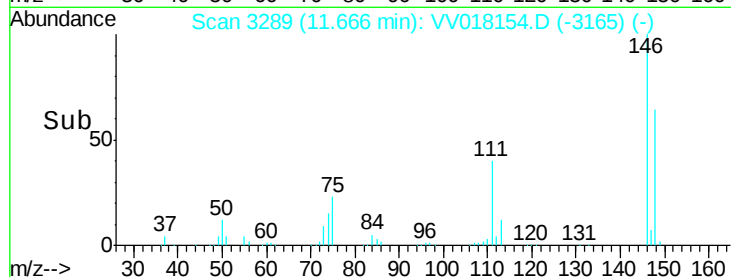
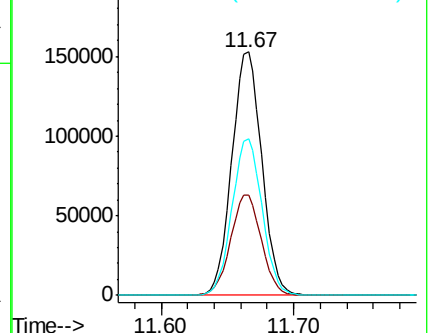
148 64.2 50.6 76.0



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: 47.520 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

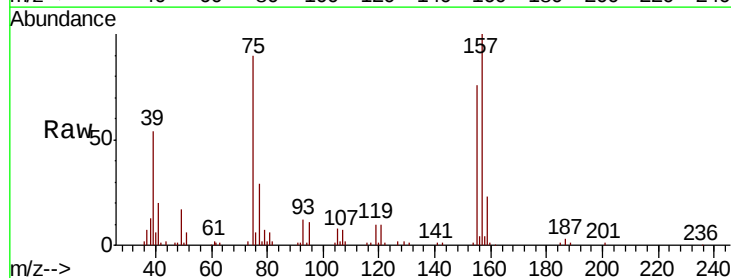
Tgt Ion: 75 Resp: 34751

Ion Ratio Lower Upper

75 100

155 84.3 67.6 101.4

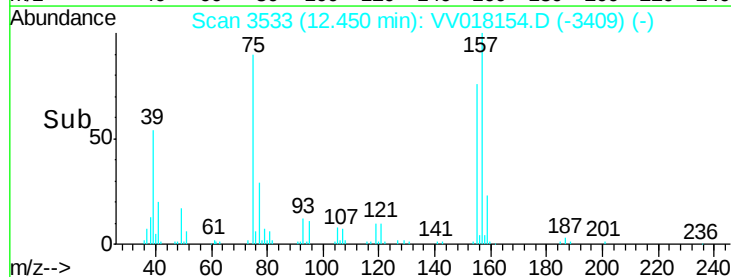
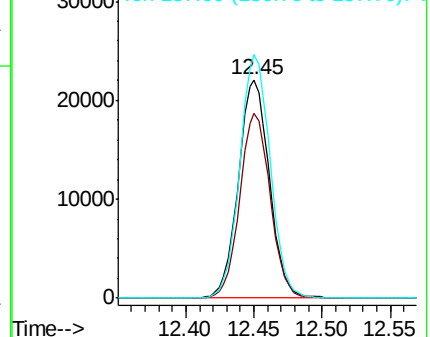
157 111.5 84.3 126.5

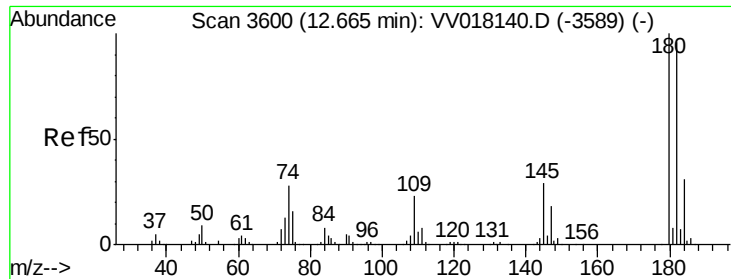


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

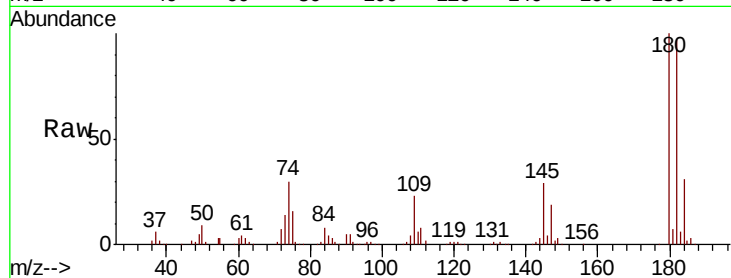




#67
 1,3,5-Trichlorobenzene
 Concen: 53.009 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	30.7	24.6	36.8
145	28.9	23.5	35.3

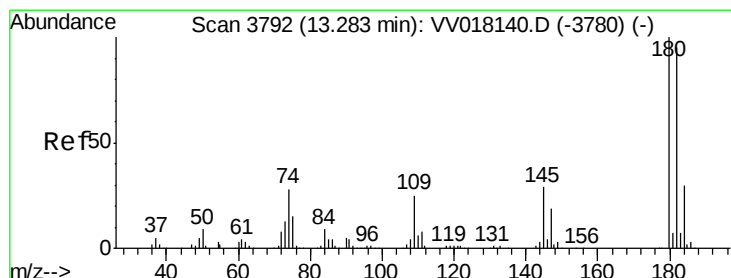
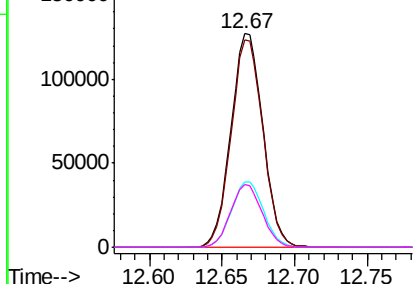
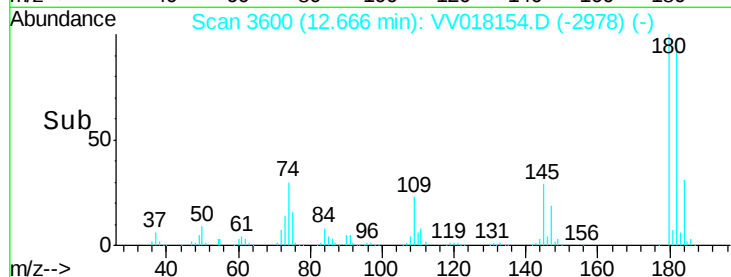


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

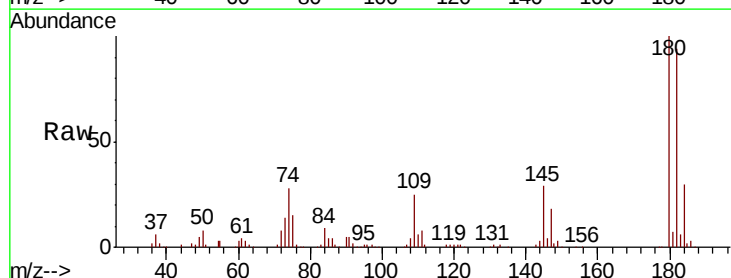
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.497 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018154.D
 Acq: 04 Sep 2020 12:33

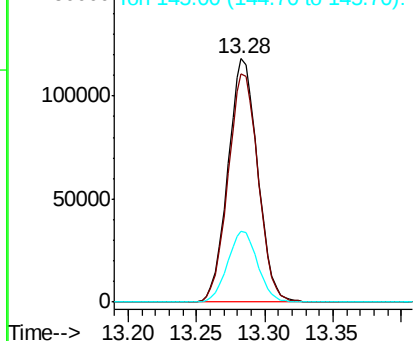
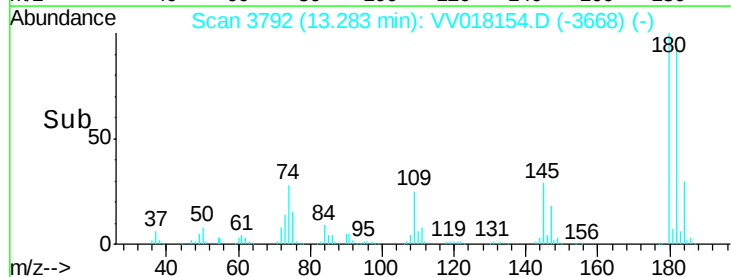
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
145	29.3	24.0	36.0

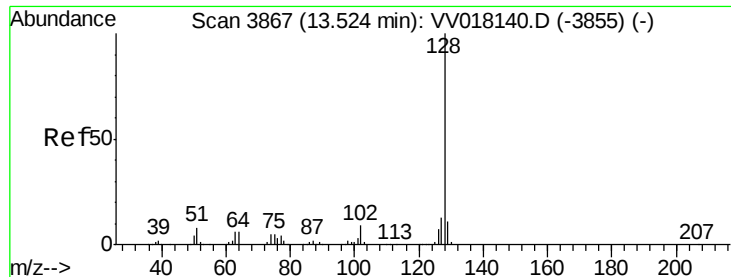


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.499 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

Instrument :

MSVOA_V

ClientSampleId :

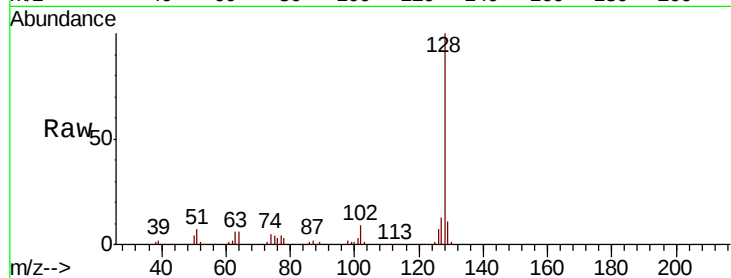
Tot Ion:128 Resp: 466028

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

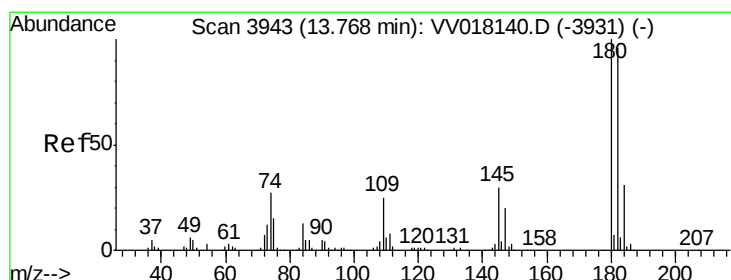
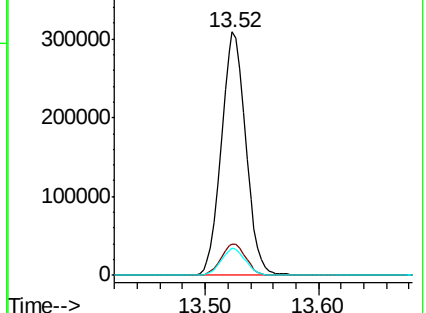
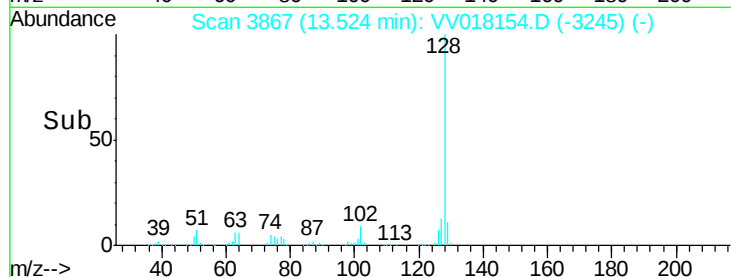
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.605 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018154.D

Acq: 04 Sep 2020 12:33

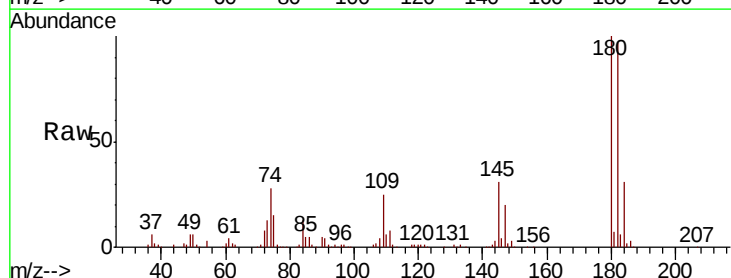
Tgt Ion:180 Resp: 175570

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

145 32.1 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

