

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015922.D
 Acq On : 06 May 2020 20:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 02:07:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 07 02:01:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	160538	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	156036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	80145	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46442	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	41863	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.12	63	95682	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	3.93	46	130851	51.12	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.24%
24) Chloroform-d	4.38	84	95406	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	55754	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.08	84	190860	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	59138	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.34	98	182721	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.64	79	22506	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.11	63	105650	50.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	42081	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	66673	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62345	4.852	ug/L 100
3) Chloromethane	1.25	50	62846	4.908	ug/L 98
5) Vinyl chloride	1.32	62	60866	4.960	ug/L 98
6) Bromomethane	1.53	94	32448	4.773	ug/L 99
8) Chloroethane	1.60	64	37575	5.033	ug/L 97
9) Trichlorofluoromethane	1.77	101	86395	5.229	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46397	4.925	ug/L 98
12) 1,1-Dichloroethene	2.13	96	44751	4.972	ug/L 92
13) Acetone	2.21	43	83364	52.889	ug/L 70
14) Carbon disulfide	2.31	76	142324	4.849	ug/L 99
15) Methyl Acetate	2.46	43	20400	5.563	ug/L 97
16) Methylene chloride	2.52	84	50437	3.978	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	117275	4.918	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	49493	4.894	ug/L 99
19) 1,1-Dichloroethane	3.21	63	96929	5.020	ug/L 99
21) 2-Butanone	4.01	43	131224	49.831	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	52187	4.951	ug/L 98

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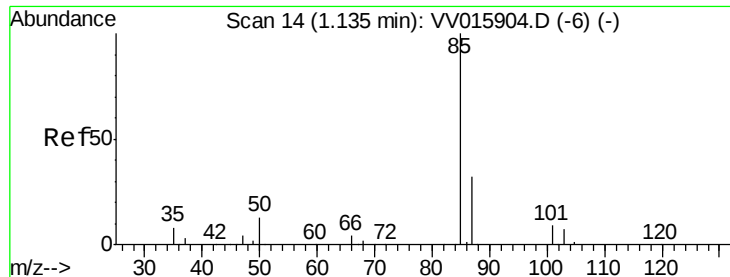
Instrument :
 MSVOA_V
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Quant Time: May 07 02:07:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.28	128	22689	5.160	ug/L	95
25) Chloroform	4.41	83	105690	5.029	ug/L	100
27) 1,2-Dichloroethane	5.16	62	65129	5.003	ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	89607	5.034	ug/L	99
30) Cyclohexane	4.70	56	88403	4.852	ug/L	98
31) Carbon tetrachloride	4.86	117	75637	4.947	ug/L	100
33) Benzene	5.13	78	207461	5.073	ug/L	100
34) Trichloroethene	5.94	95	55394	4.979	ug/L	95
35) Methylcyclohexane	6.15	83	86305	4.741	ug/L	100
37) 1,2-Dichloropropane	6.20	63	52143	5.099	ug/L #	97
38) Bromodichloromethane	6.53	83	64679	5.050	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	71553	4.974	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	330372	50.619	ug/L	99
42) Toluene	7.41	91	221231	5.084	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	60798	4.994	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	34531	5.011	ug/L	98
47) Tetrachloroethene	8.00	164	39611	4.774	ug/L	97
48) 2-Hexanone	8.16	43	240635	52.824	ug/L	98
49) Dibromochloromethane	8.27	129	37508	5.044	ug/L	95
50) 1,2-Dibromoethane	8.38	107	32362	4.977	ug/L #	94
51) Chlorobenzene	8.90	112	139482	5.008	ug/L	98
52) Ethylbenzene	9.04	91	248577	5.020	ug/L	99
53) m,p-xylene	9.16	106	91856	4.955	ug/L	98
54) o-xylene	9.57	106	87598	4.970	ug/L	99
55) Styrene	9.58	104	151904	5.154	ug/L	99
56) Isopropylbenzene	9.95	105	243351	5.020	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	40238	5.069	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	31937	5.098	ug/L	99
61) Bromoform	9.75	173	16530	4.833	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	109804	4.851	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	111551	4.972	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	101017	4.923	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6583	4.618	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	80569	4.784	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	68627	4.845	ug/L	98
69) Naphthalene	13.53	128	113985	4.760	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	61808	4.871	ug/L	98

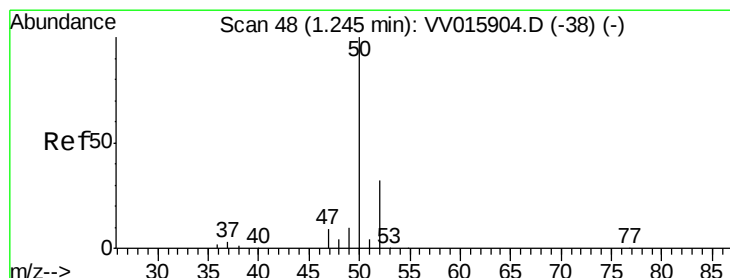
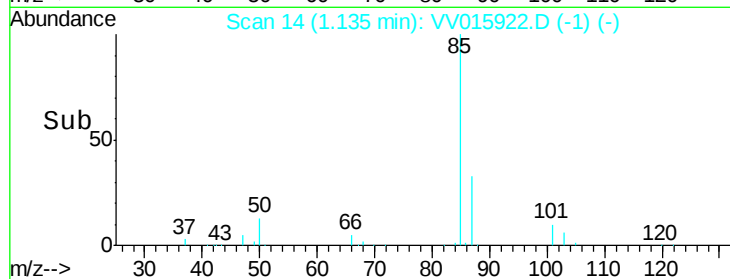
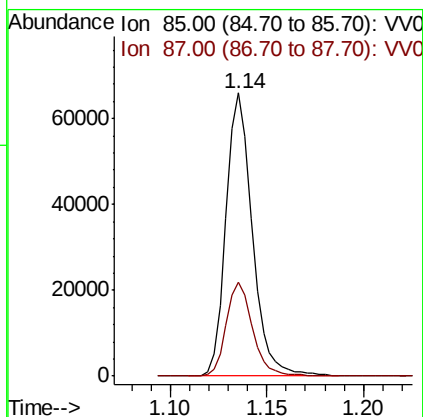
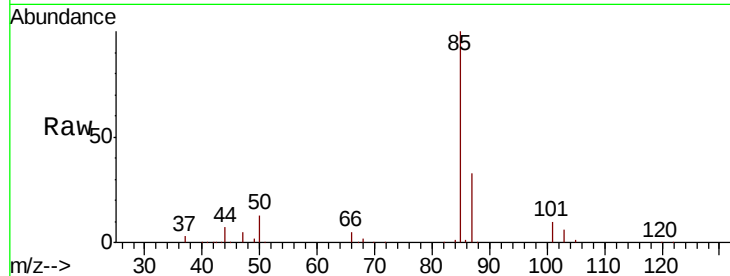
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.852 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

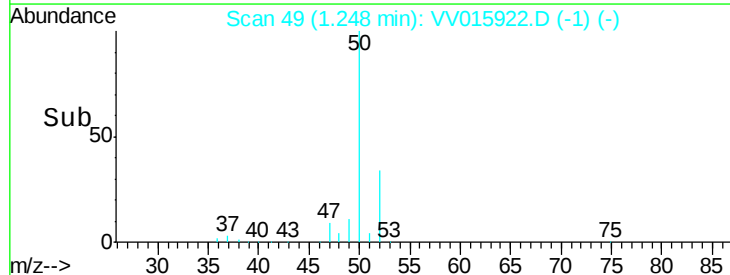
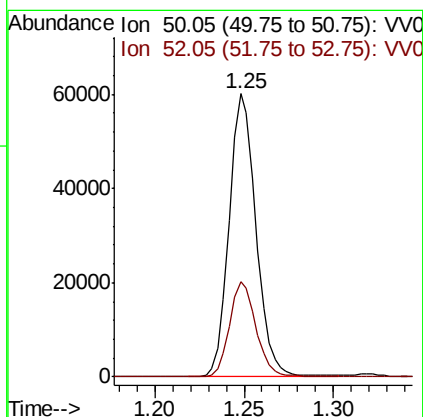
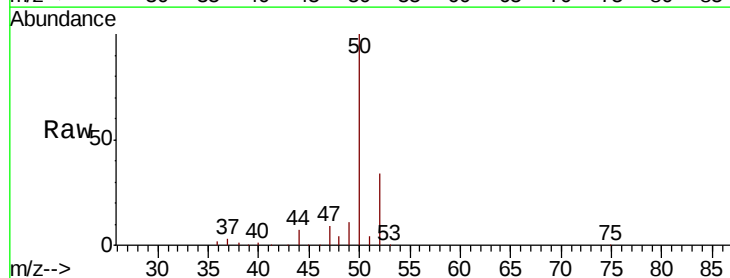
Instrument :
 MSVOA_V
 ClientSampleId :

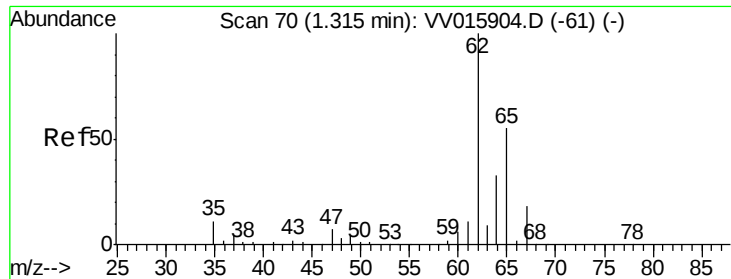
Tot Ion: 85 Resp: 62345
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.4 39.6



#3
 Chloromethane
 Concen: 4.908 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion: 50 Resp: 62846
 Ion Ratio Lower Upper
 50 100
 52 33.8 22.8 42.4





#5

Vinyl chloride

Concen: 4.960 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

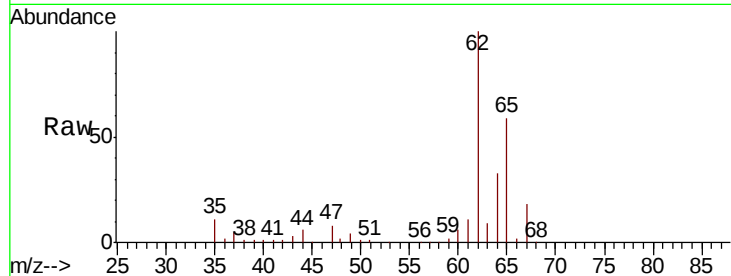
ClientSampleId :

Tot Ion: 62 Resp: 60866

Ion Ratio Lower Upper

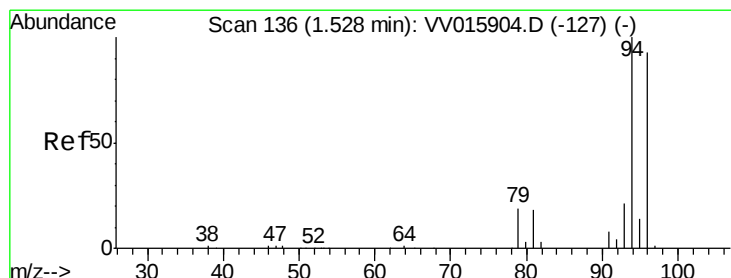
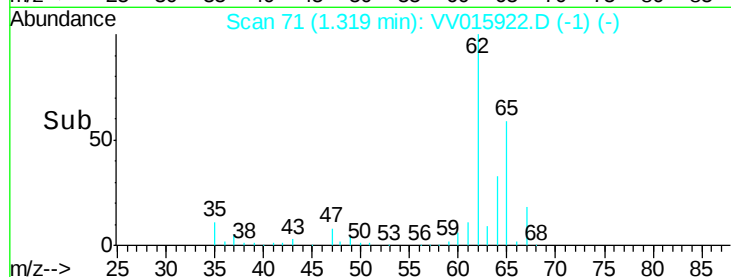
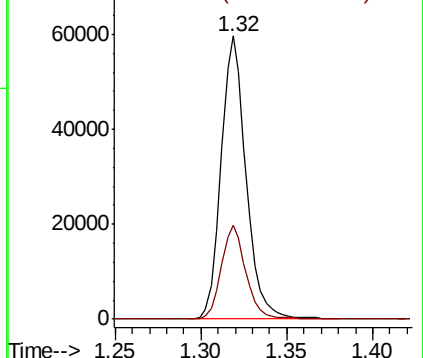
62 100

64 33.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.773 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015922.D

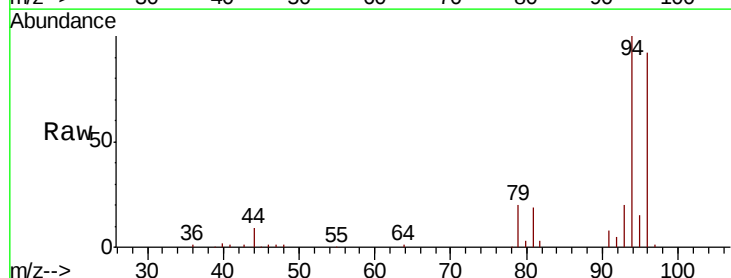
Acq: 06 May 2020 20:01

Tgt Ion: 94 Resp: 32448

Ion Ratio Lower Upper

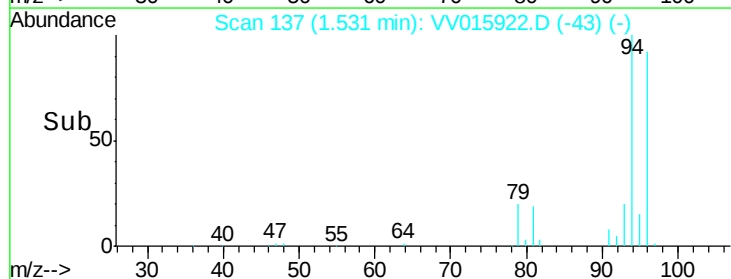
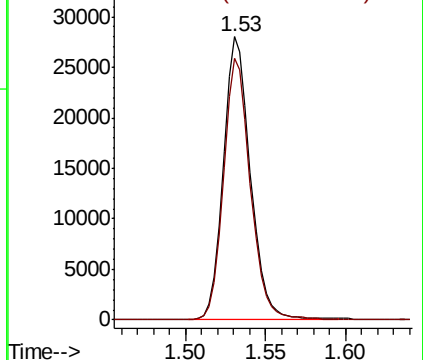
94 100

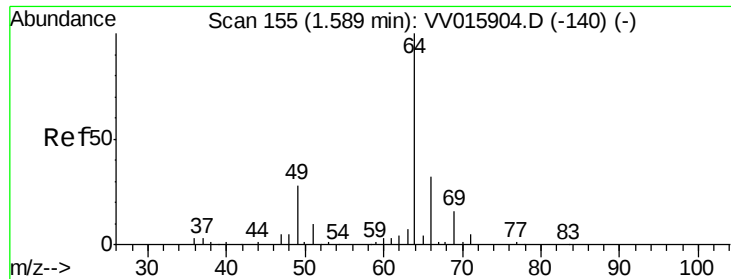
96 92.5 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.033 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

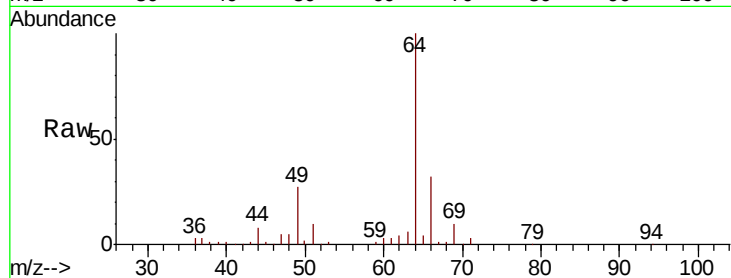
ClientSampled :

Tot Ion: 64 Resp: 37575

Ion Ratio Lower Upper

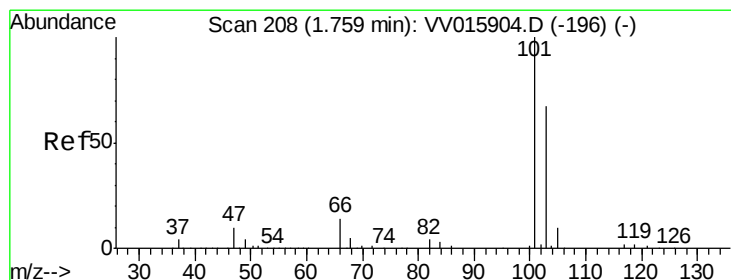
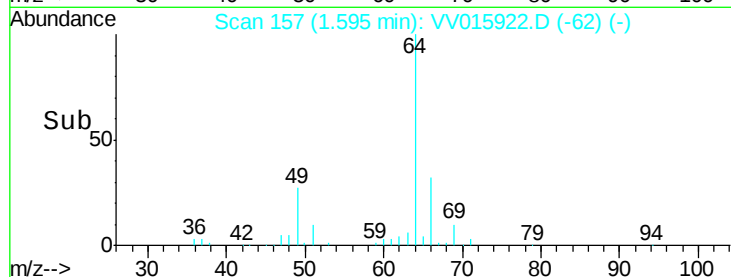
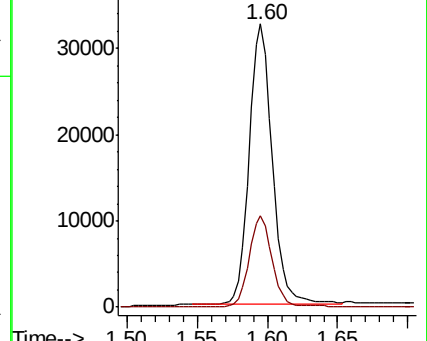
64 100

66 32.2 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015922.D (-62) (-)

Ion 66.05 (65.75 to 66.75): VV015922.D (-62) (-)



#9

Trichlorofluoromethane

Concen: 5.229 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV015922.D

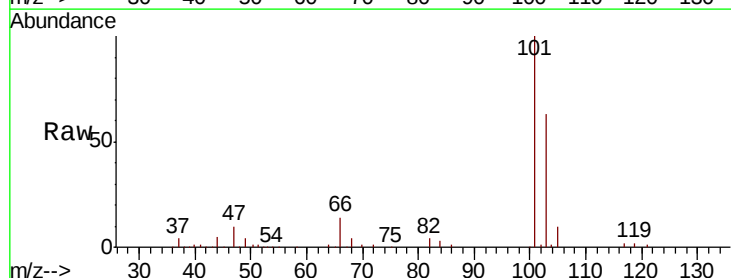
Acq: 06 May 2020 20:01

Tgt Ion: 101 Resp: 86395

Ion Ratio Lower Upper

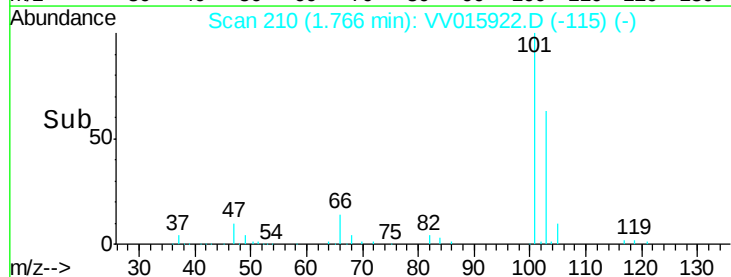
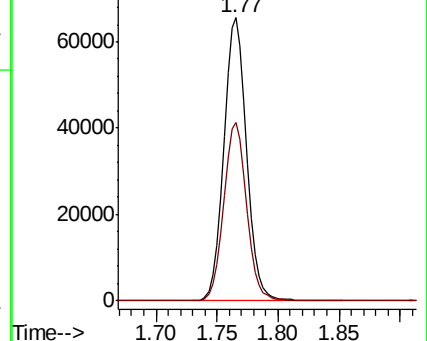
101 100

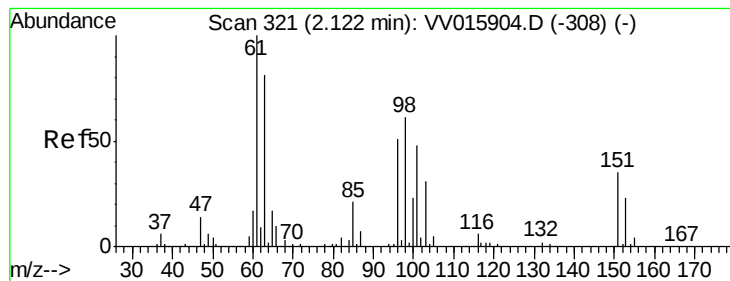
103 63.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015922.D (-115) (-)

Ion 103.00 (102.70 to 103.70): VV015922.D (-115) (-)





#10

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

Concen: 4.925 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

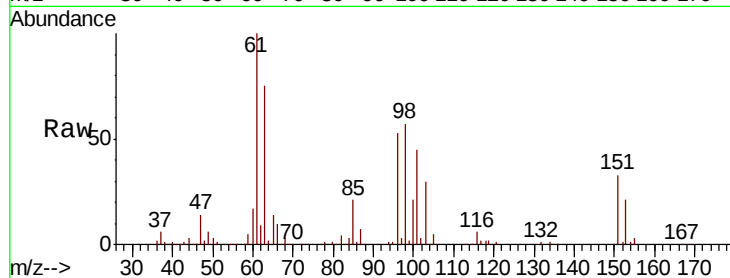
Tot Ion:101 Resp: 46397

Ion Ratio Lower Upper

101 100

85 45.5 35.7 53.5

151 70.0 58.0 87.0

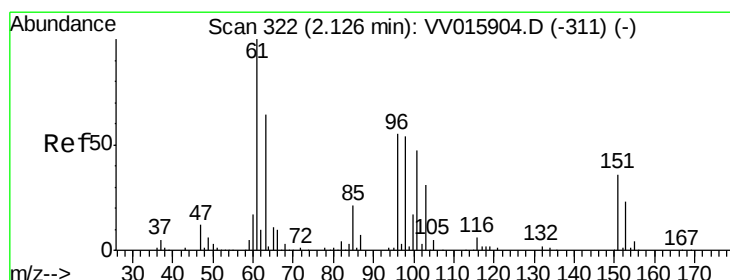
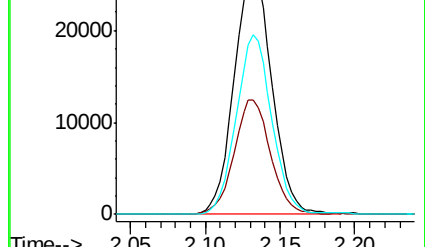
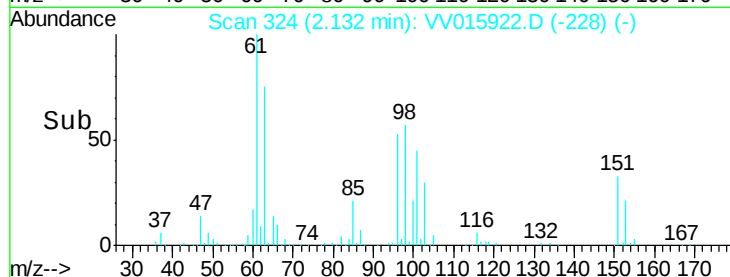


Abundance Ion 101.00 (100.70 to 101.70): VV015922.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV015922.D (-228) (-)

Ion 151.00 (150.70 to 151.70): VV015922.D (-228) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 4.972 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

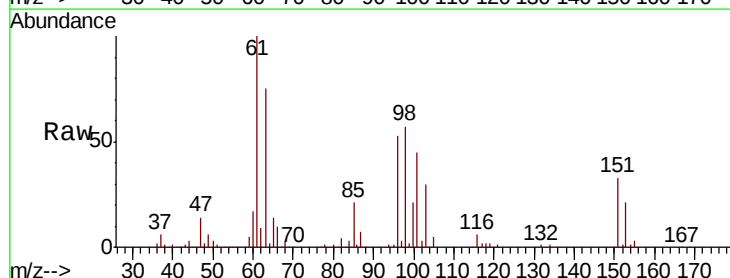
Tgt Ion: 96 Resp: 44751

Ion Ratio Lower Upper

96 100

61 189.1 139.9 259.7

63 141.7 106.4 197.6

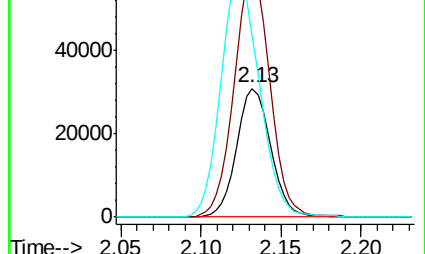
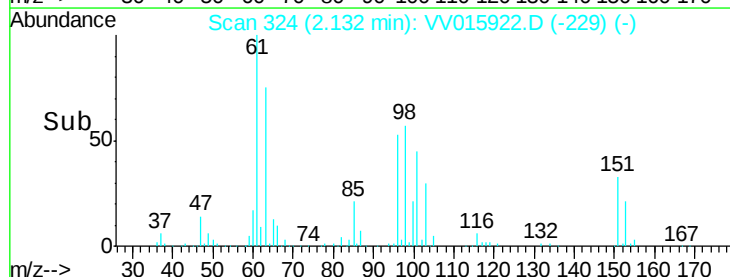


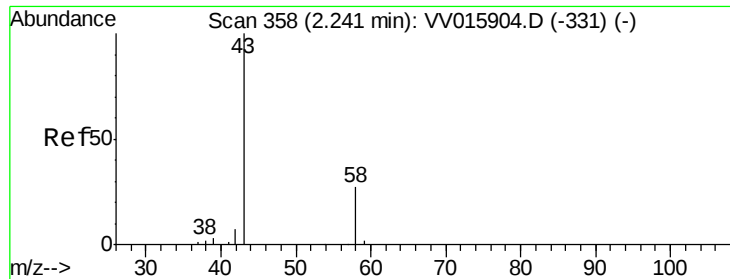
Abundance Ion 96.00 (95.70 to 96.70): VV015922.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015922.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015922.D (-229) (-)

Time-->





#13

Acetone

Concen: 52.889 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

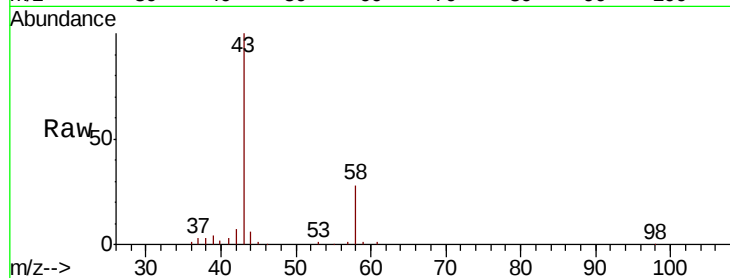
ClientSampled :

Tot Ion: 43 Resp: 83364

Ion Ratio Lower Upper

43 100

58 27.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

25000

20000

15000

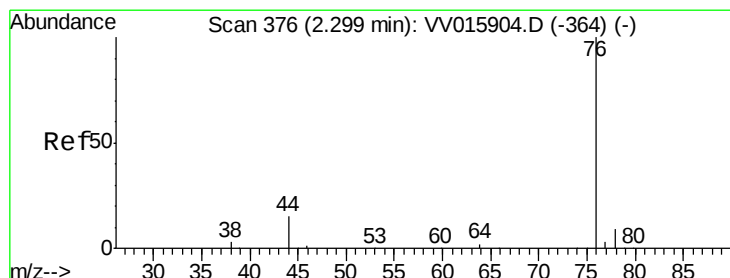
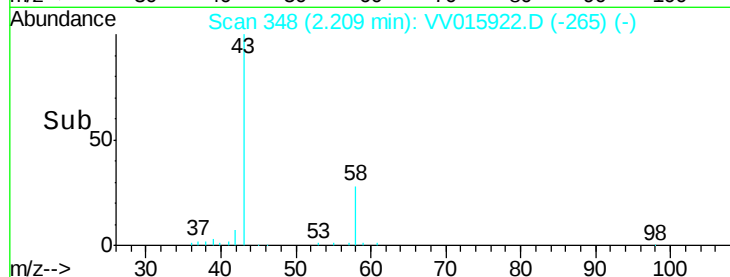
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5000

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Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.849 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015922.D

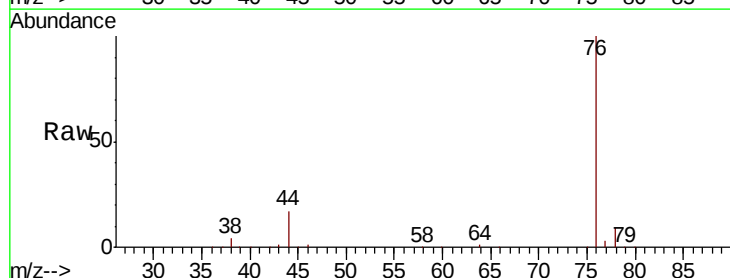
Acq: 06 May 2020 20:01

Tgt Ion: 76 Resp: 142324

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

100000

80000

60000

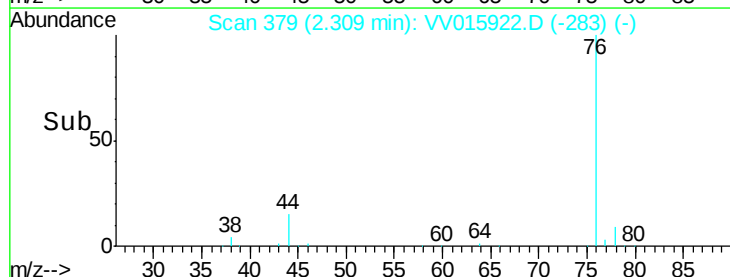
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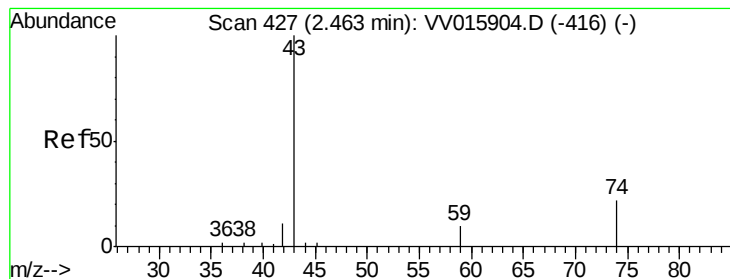
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 5.563 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

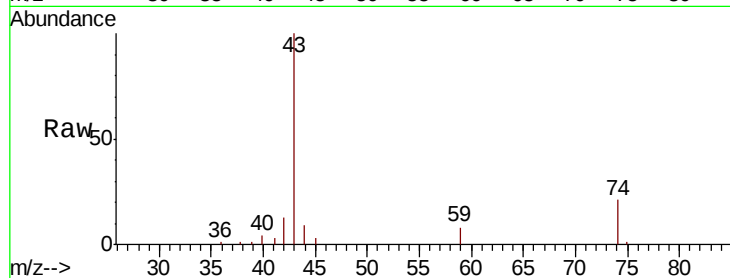
ClientSampleId :

Tot Ion: 43 Resp: 20400

Ion Ratio Lower Upper

43 100

74 22.4 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV015922.D (-334) (-)

Ion 74.05 (73.75 to 74.75): VV015922.D (-334) (-)

2.46

10000

8000

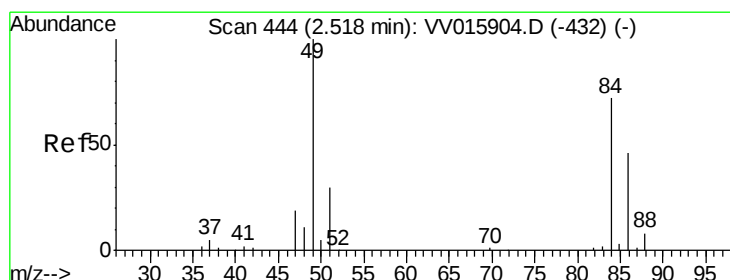
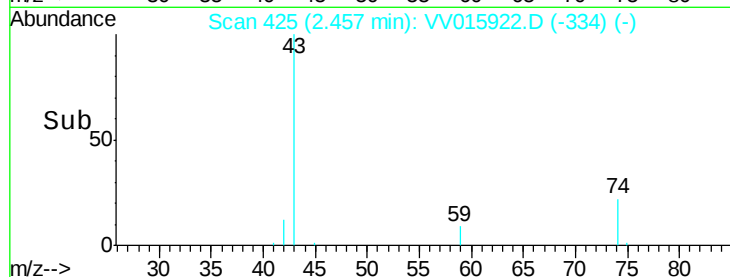
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 3.978 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

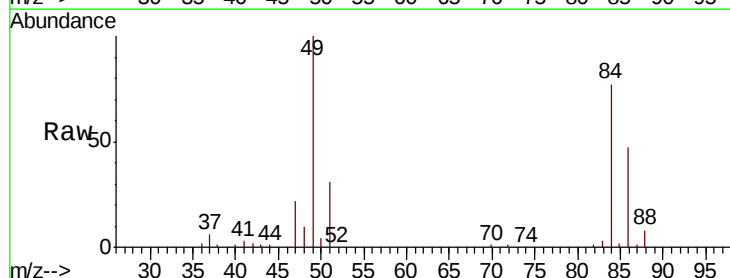
Tgt Ion: 84 Resp: 50437

Ion Ratio Lower Upper

84 100

86 61.5 45.6 84.8

49 130.1 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV015922.D (-351) (-)

Ion 86.00 (85.70 to 86.70): VV015922.D (-351) (-)

Ion 49.10 (48.80 to 49.80): VV015922.D (-351) (-)

2.52

50000

40000

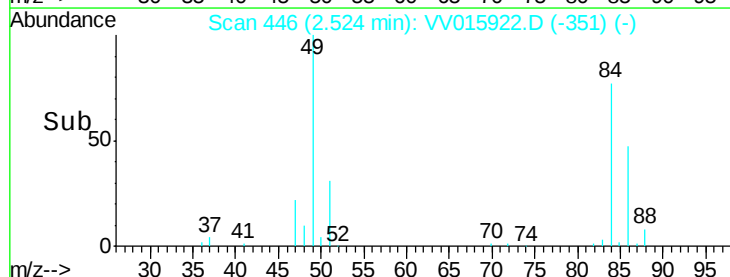
30000

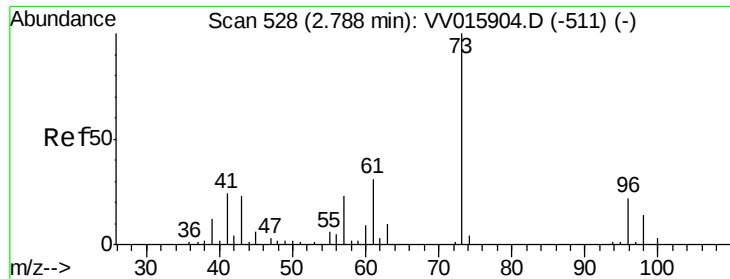
20000

10000

0

Time-->

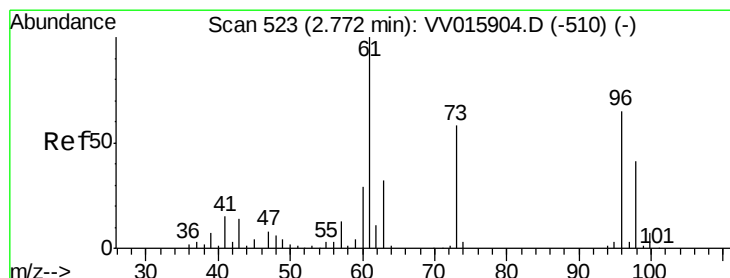
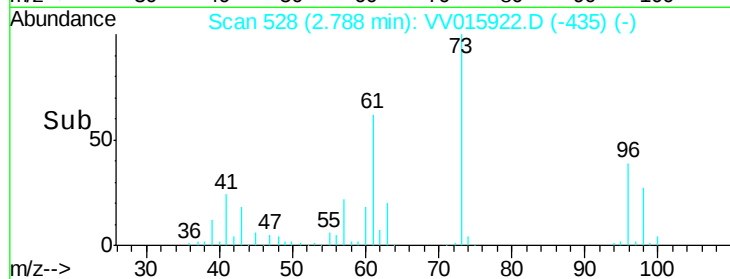
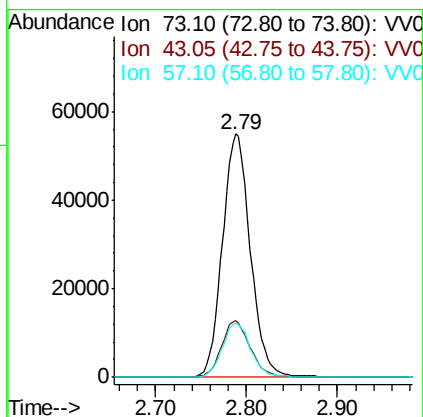
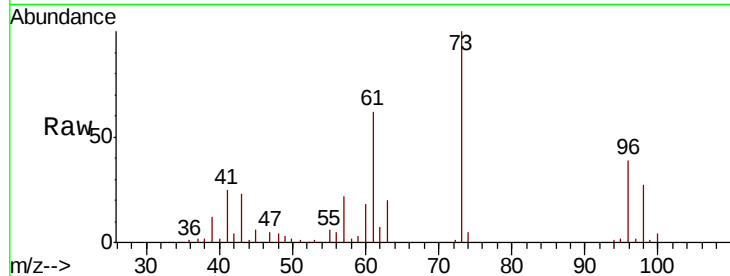




#17
Methvl tert-butvl Ether
Concen: 4.918 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

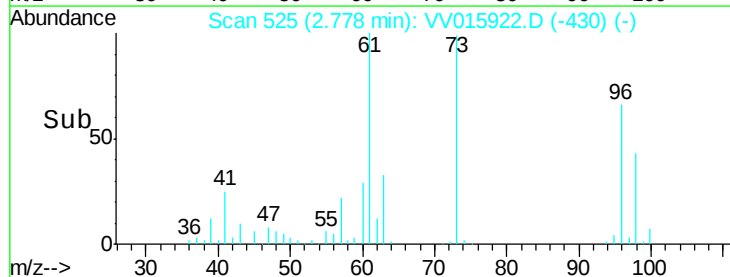
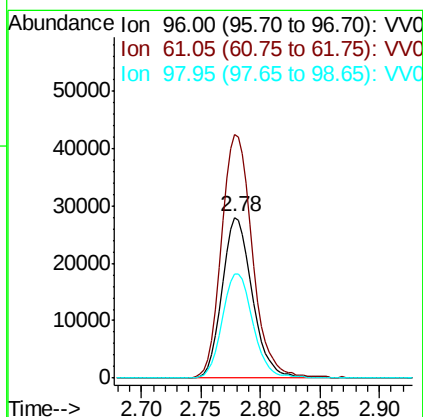
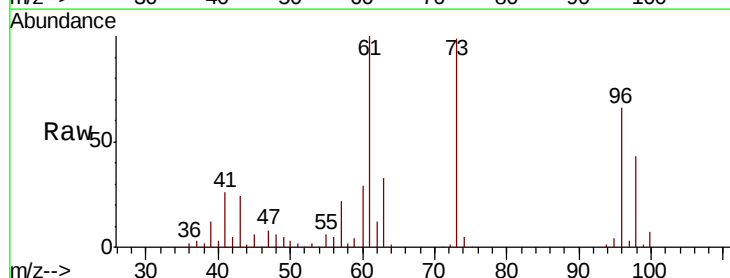
Instrument :
MSVOA_V
ClientSampleId :

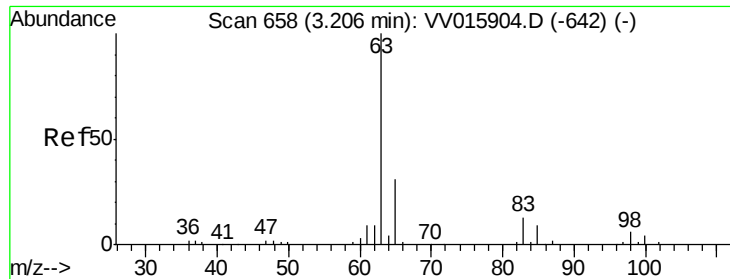
Tot Ion: 73 Resp: 117275
Ion Ratio Lower Upper
73 100
43 23.3 18.8 28.2
57 22.8 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 4.894 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 96 Resp: 49493
Ion Ratio Lower Upper
96 100
61 151.8 105.3 195.5
98 64.7 44.0 81.6

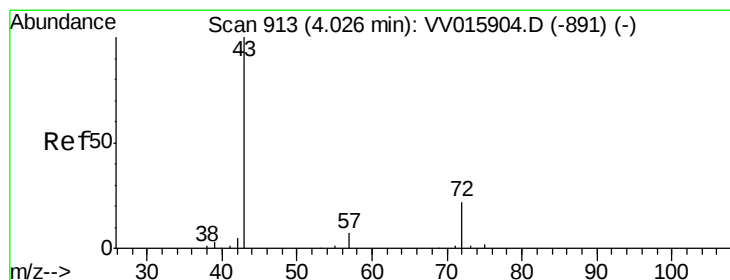
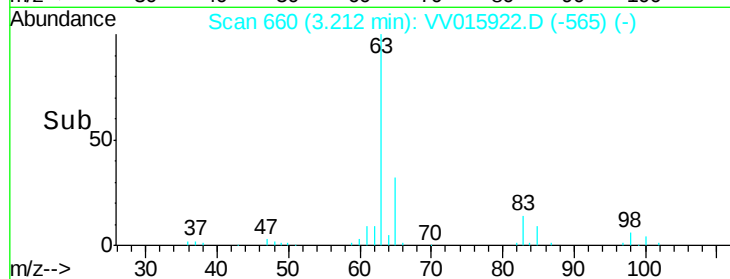
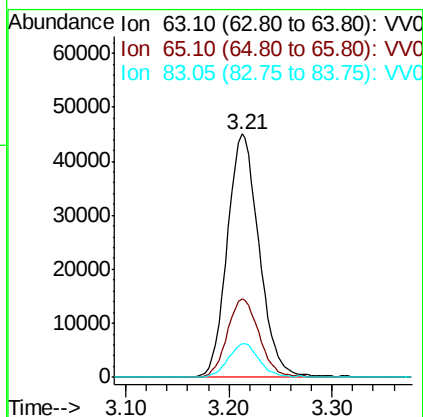
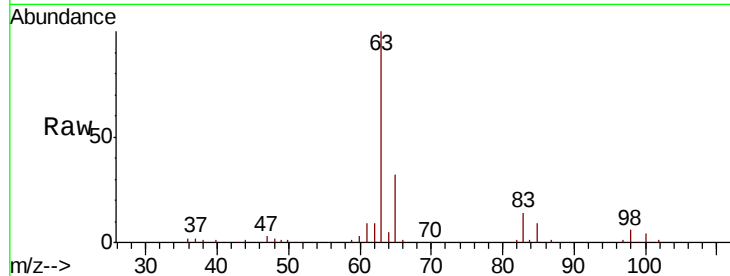




#19
 1,1-Dichloroethane
 Concen: 5.020 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

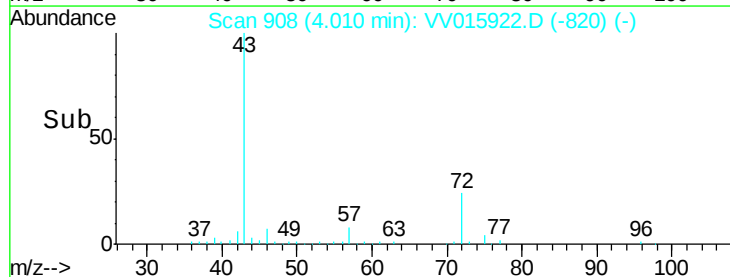
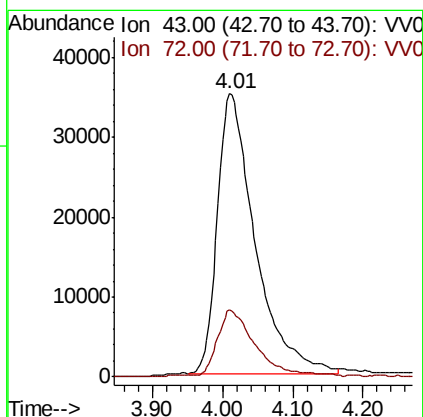
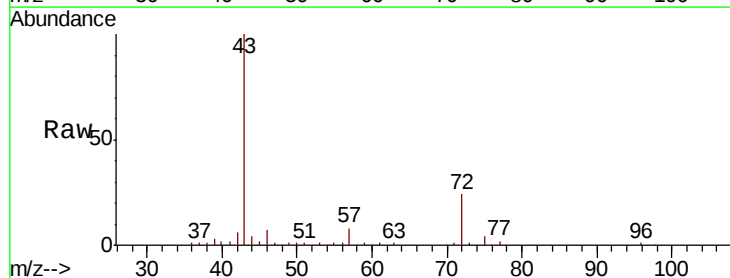
Instrument :
 MSVOA_V
 ClientSampled :

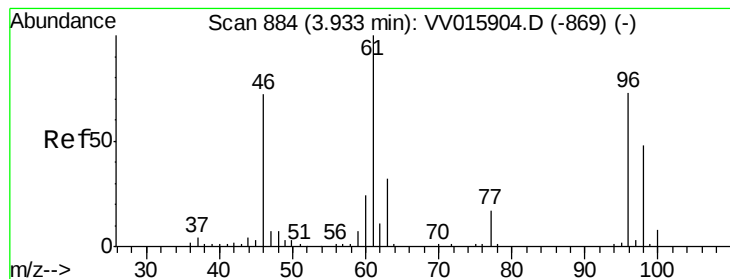
Tot Ion: 63 Resp: 96929
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.0 41.0
 83 13.7 9.8 18.2



#21
 2-Butanone
 Concen: 49.831 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion: 43 Resp: 131224
 Ion Ratio Lower Upper
 43 100
 72 23.7 10.5 31.5



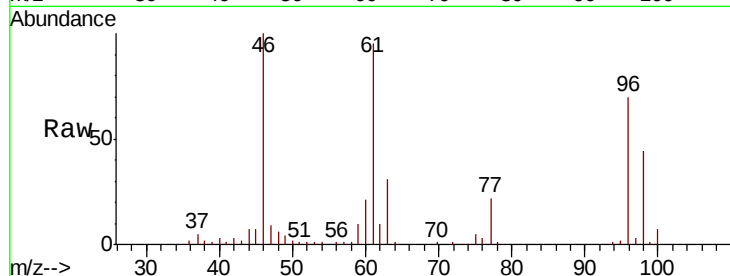


#22

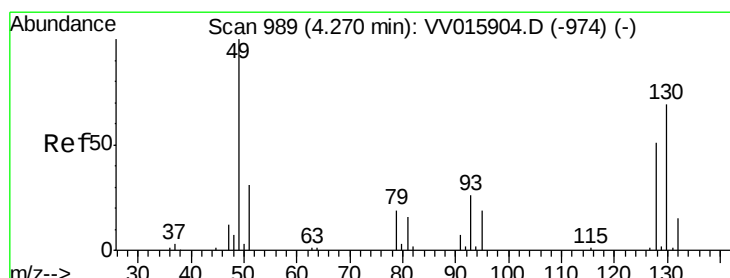
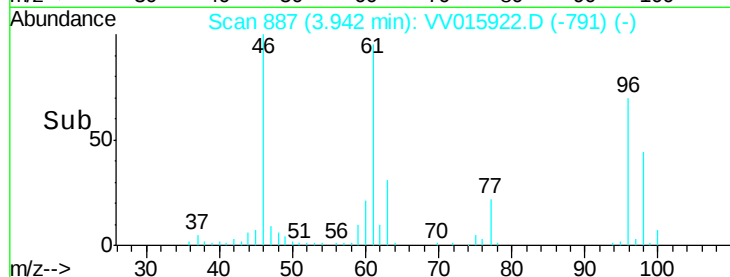
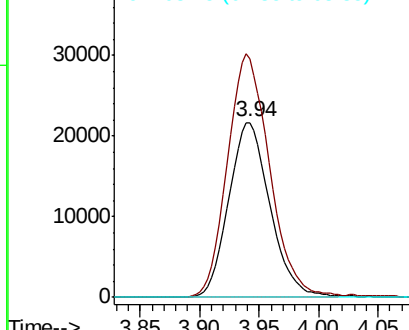
cis-1,2-Dichloroethene
Concen: 4.951 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 52187
Ion Ratio Lower Upper
96 100
61 136.1 97.2 180.6
68 0.0 0.0 0.0



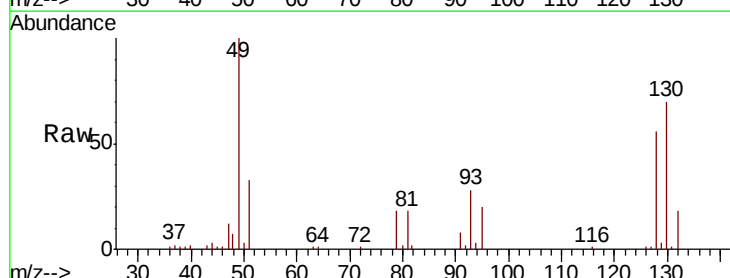
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



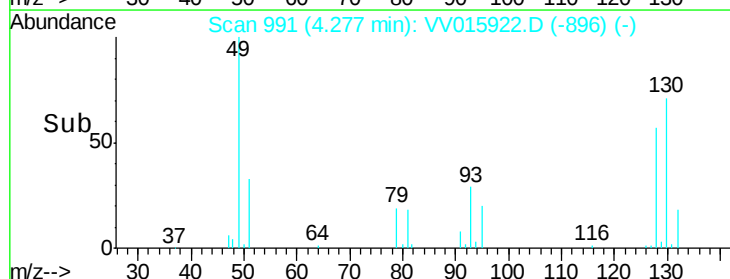
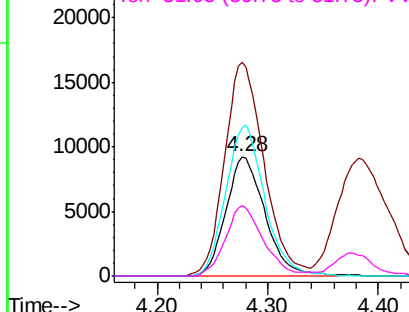
#23

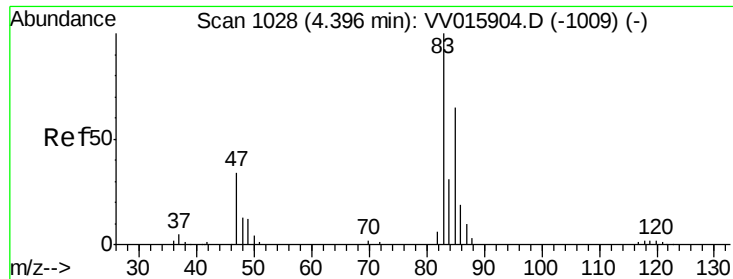
Bromochloromethane
Concen: 5.160 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 128 Resp: 22689
Ion Ratio Lower Upper
128 100
49 179.4 131.3 243.8
130 125.0 91.8 170.4
51 58.7 48.8 73.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

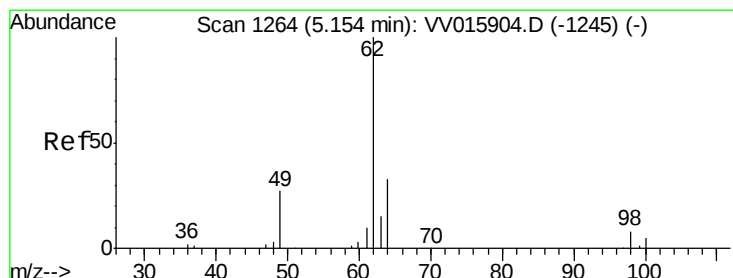
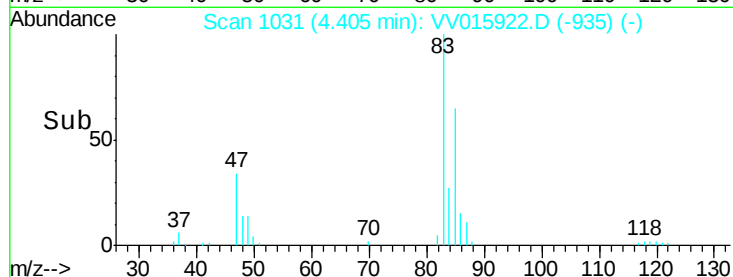
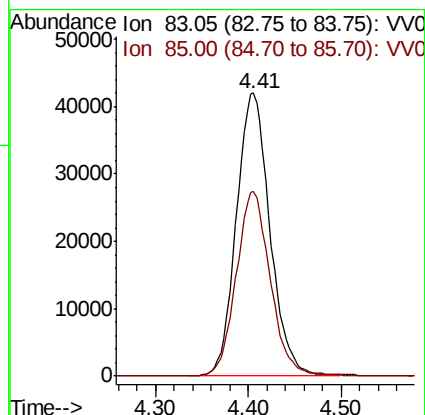
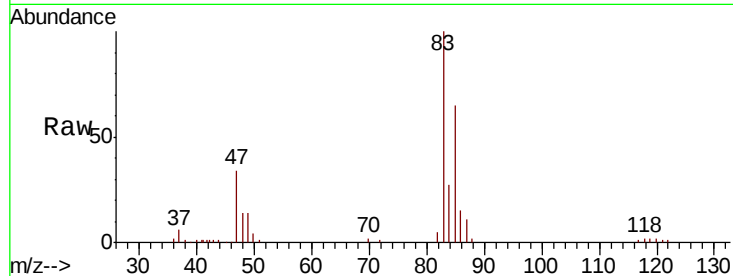




#25
Chloroform
Concen: 5.029 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

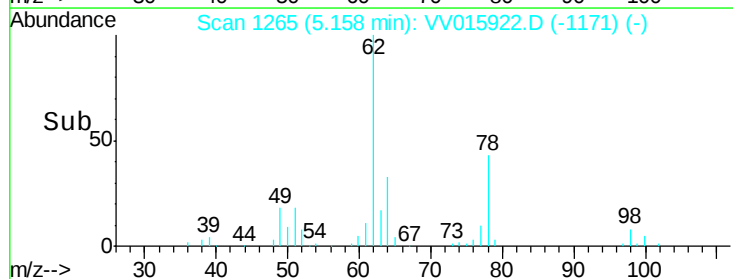
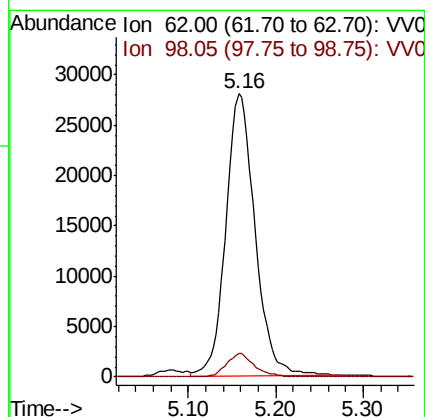
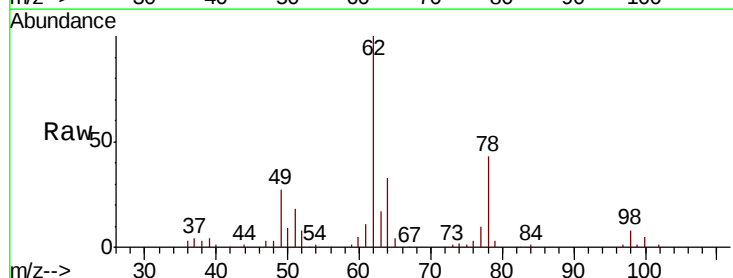
Instrument :
MSVOA_V
ClientSampleId :

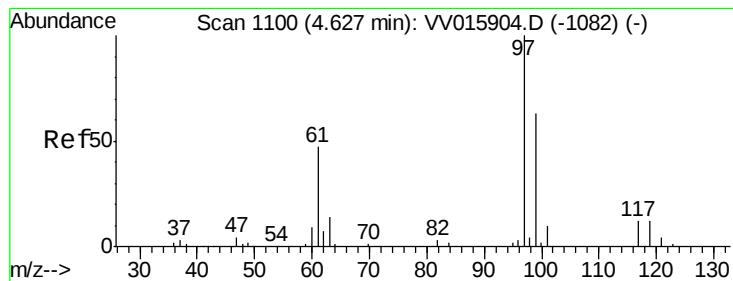
Tot Ion: 83 Resp: 105690
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.003 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 62 Resp: 65129
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.034 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

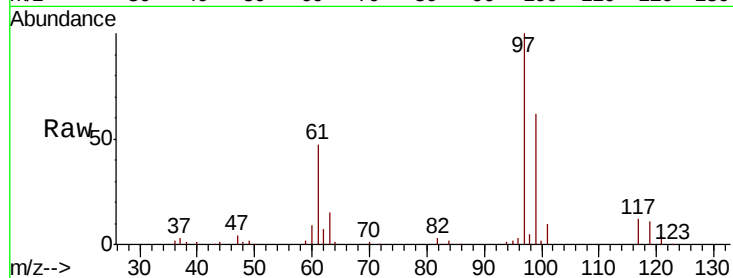
Tot Ion: 97 Resp: 89607

Ion Ratio Lower Upper

97 100

99 63.7 50.7 76.1

61 47.4 38.8 58.2

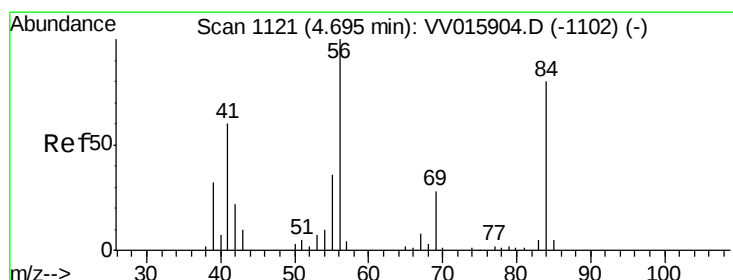
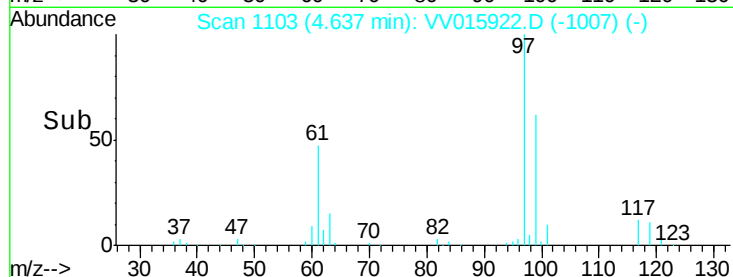
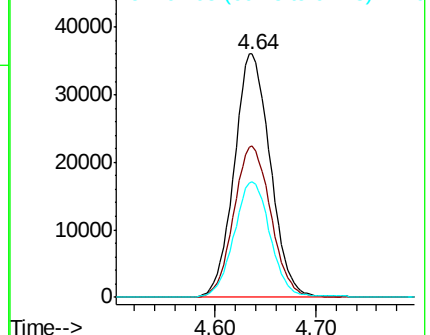


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.852 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

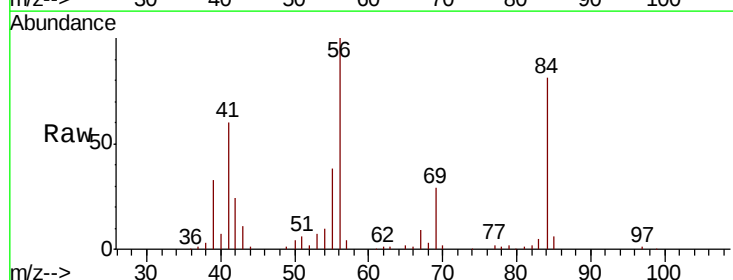
Tgt Ion: 56 Resp: 88403

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

84 83.0 68.3 102.5

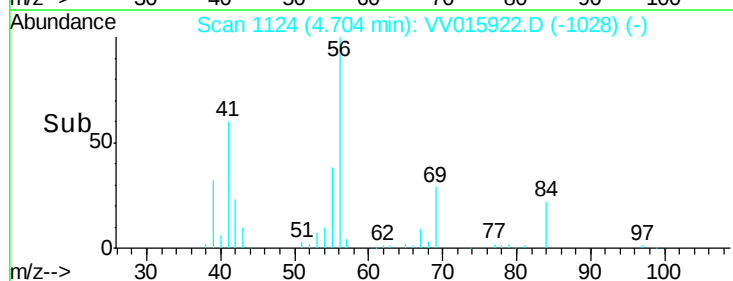
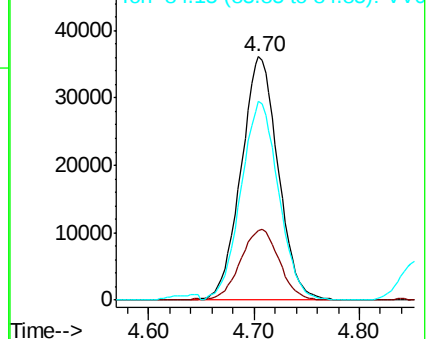


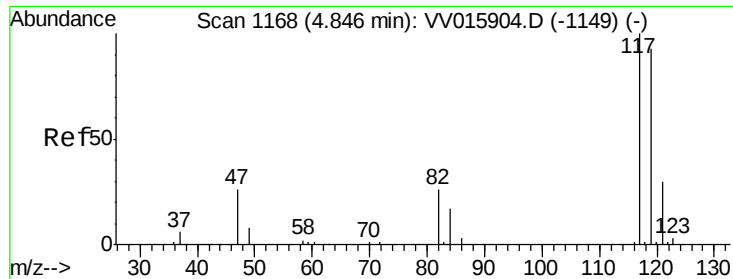
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

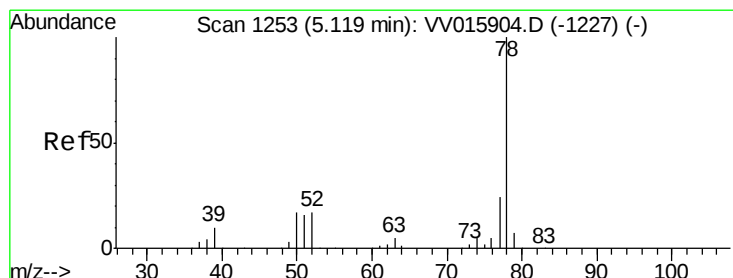
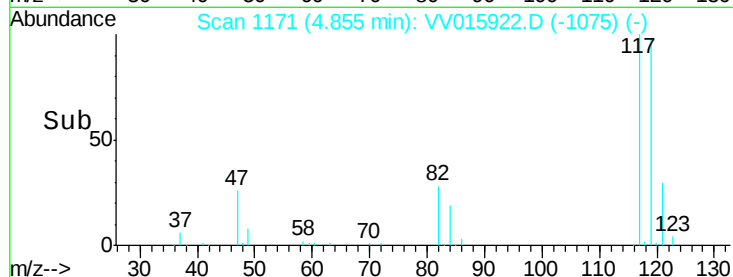
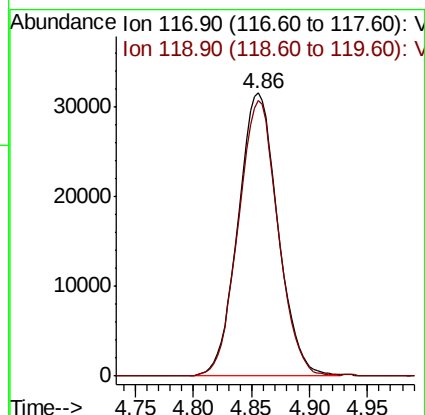
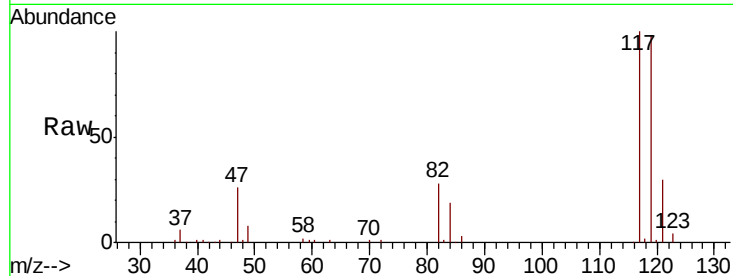




#31
Carbon tetrachloride
Concen: 4.947 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

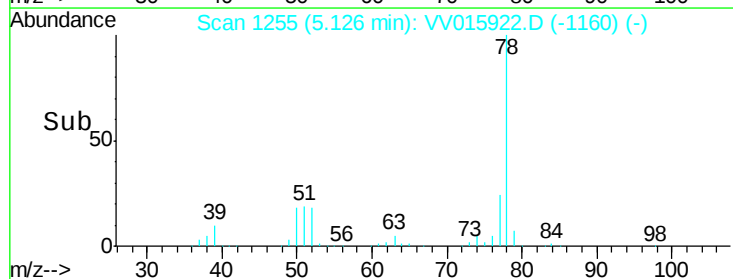
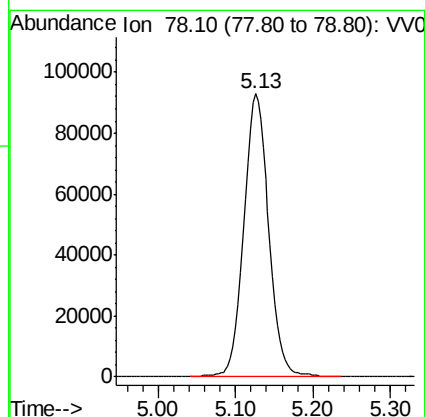
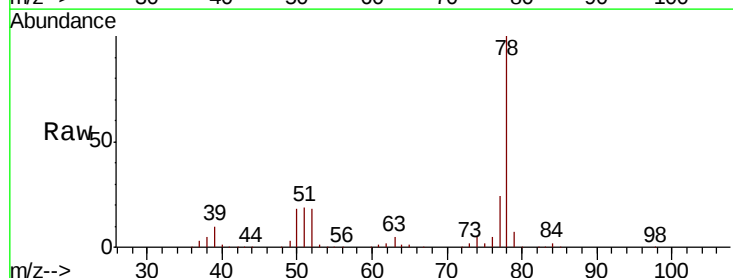
Instrument :
MSVOA_V
ClientSampleId :

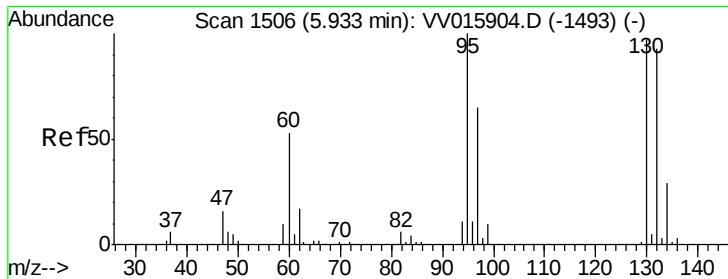
Tot Ion:117 Resp: 75637
Ion Ratio Lower Upper
117 100
119 96.9 77.3 115.9



#33
Benzene
Concen: 5.073 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 78 Resp: 207461





#34

Trichloroethene

Concen: 4.979 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 55394

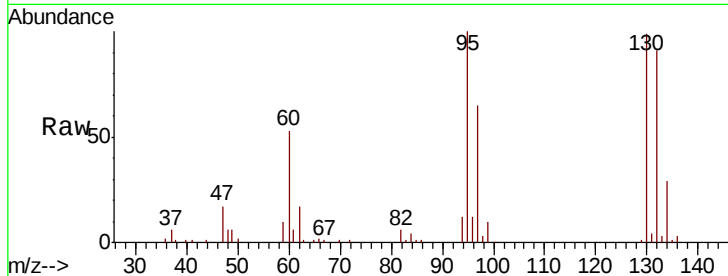
Ion Ratio Lower Upper

95 100

97 64.6 43.3 80.5

132 91.1 60.3 112.1

130 99.4 66.0 122.6

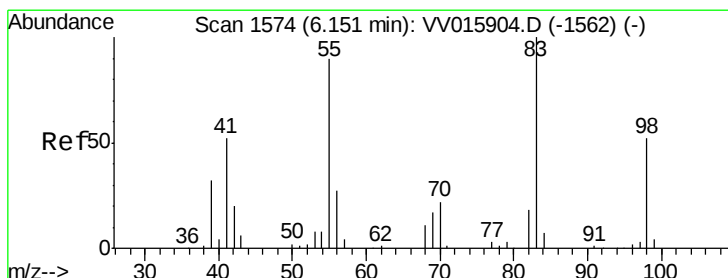
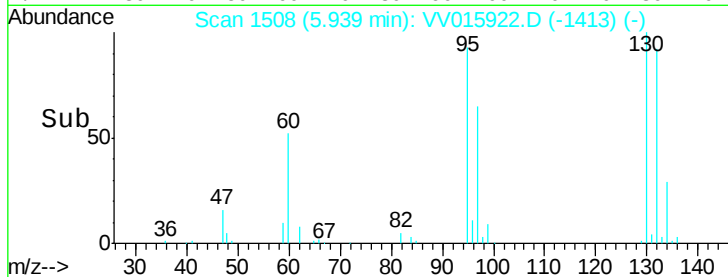
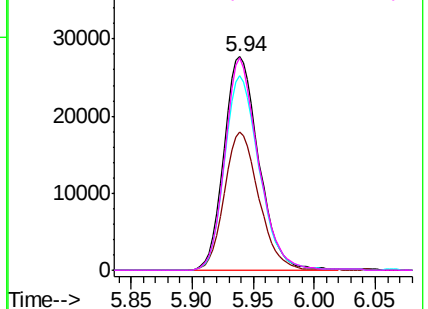


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.741 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

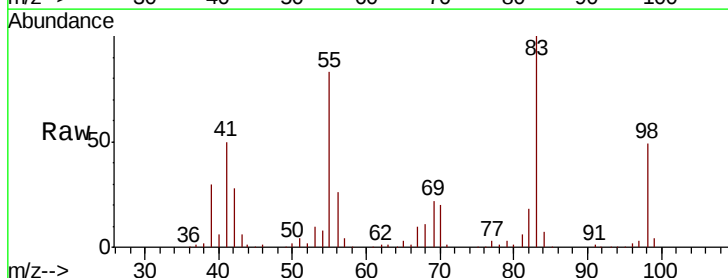
Tgt Ion: 83 Resp: 86305

Ion Ratio Lower Upper

83 100

55 82.6 66.2 99.2

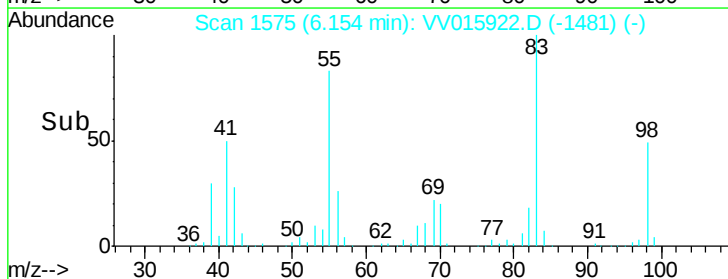
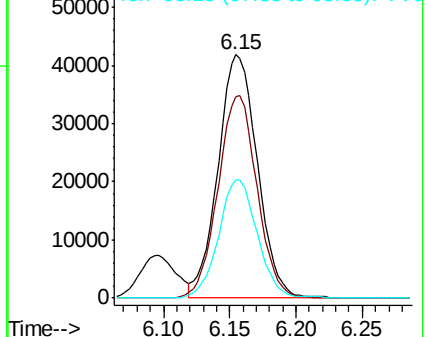
98 48.0 37.9 56.9

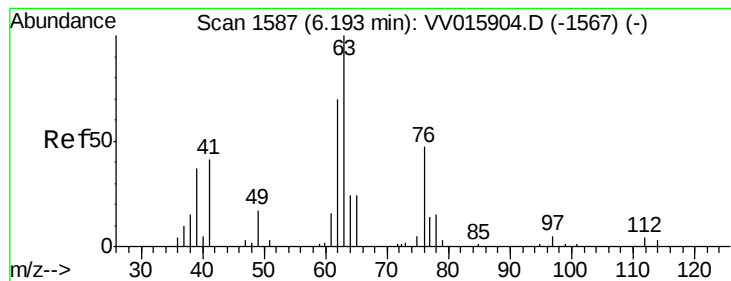


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.099 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.01 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

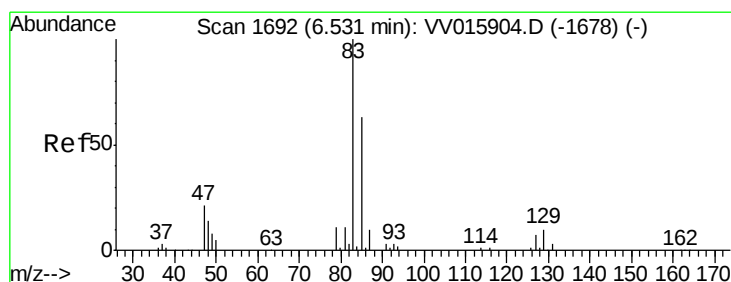
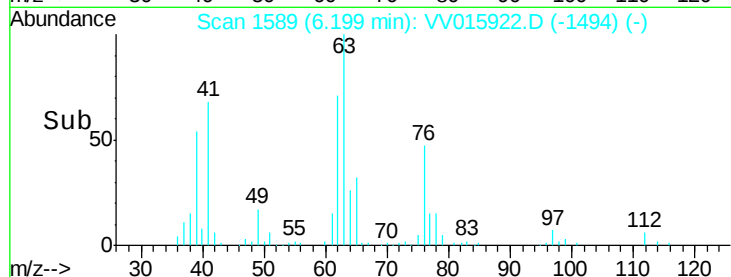
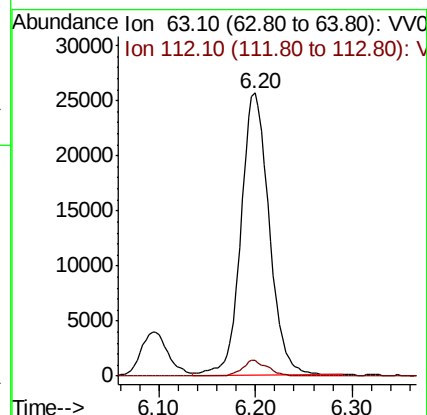
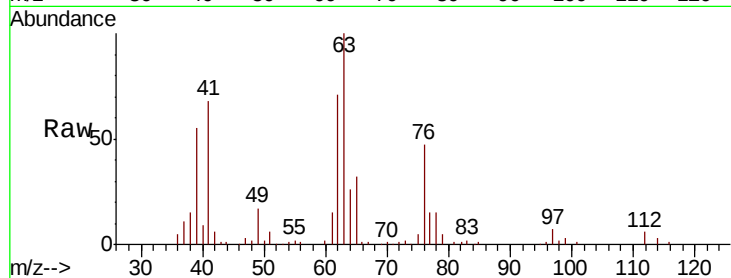
ClientSampleId :

Tot Ion: 63 Resp: 52143

Ion Ratio Lower Upper

63 100

112 5.0 3.4 5.0#



#38

Bromodichloromethane

Concen: 5.050 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

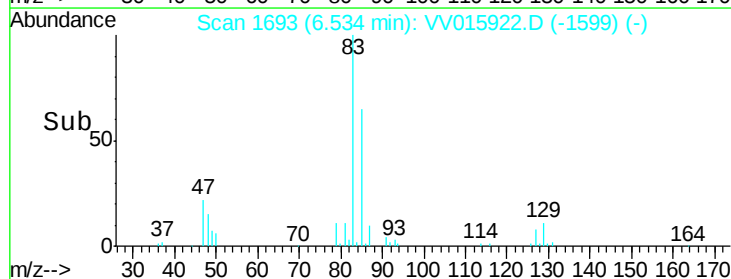
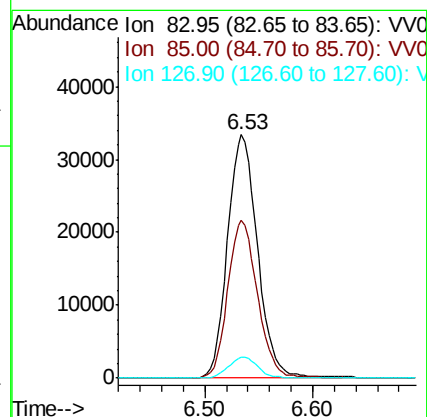
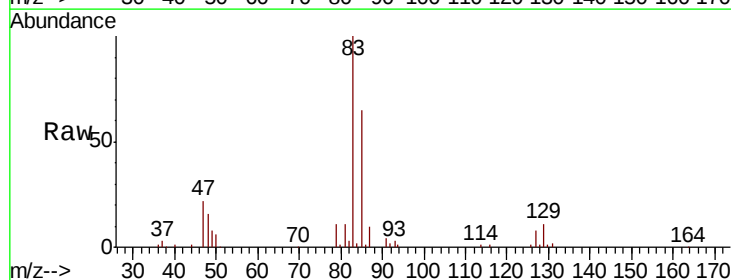
Tgt Ion: 83 Resp: 64679

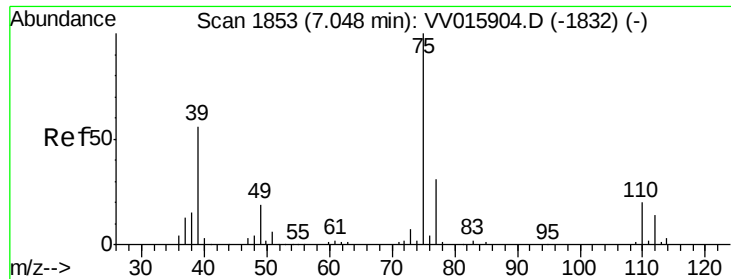
Ion Ratio Lower Upper

83 100

85 64.9 45.5 84.5

127 8.5 6.2 9.4

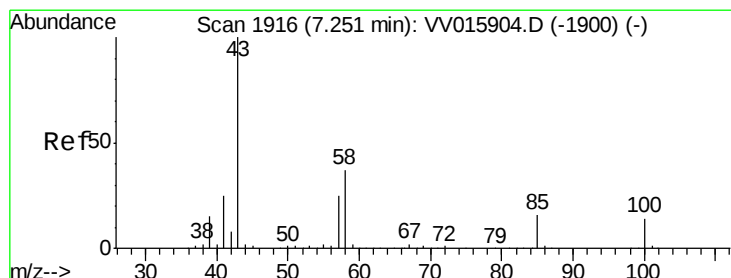
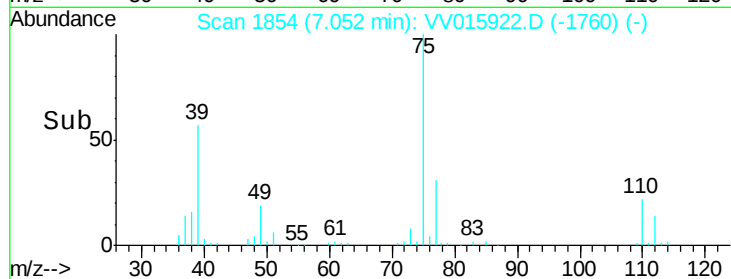
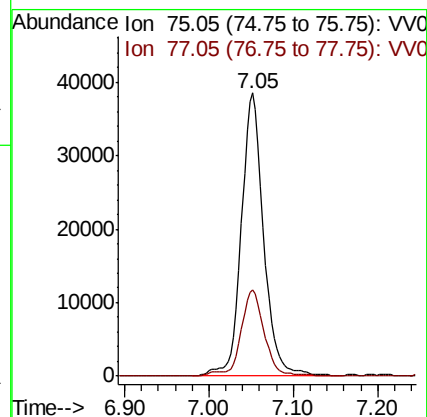
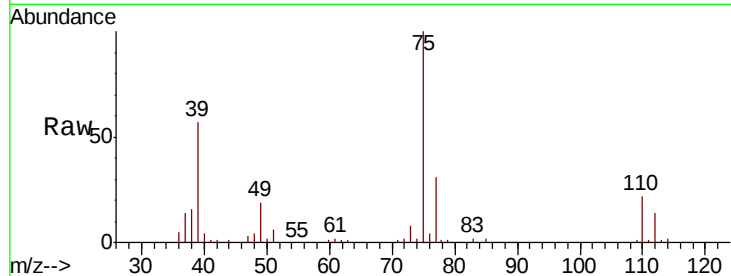




#39
 cis-1,3-Dichloropropene
 Concen: 4.974 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

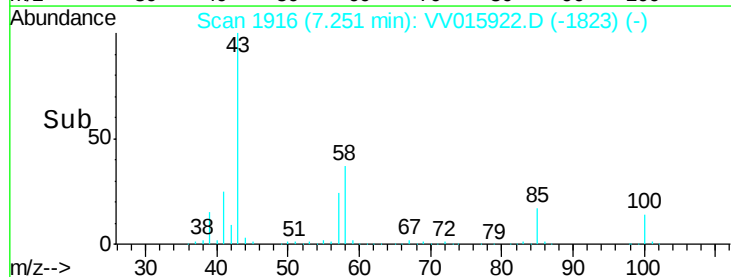
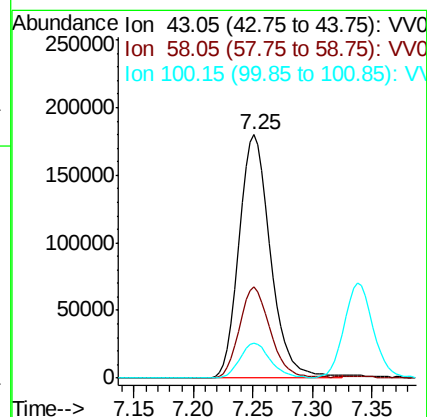
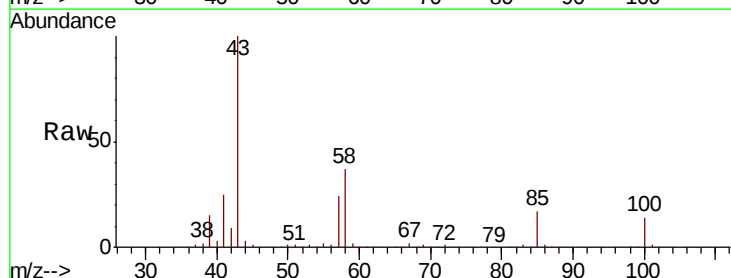
Instrument :
 MSVOA_V
 ClientSampleId :

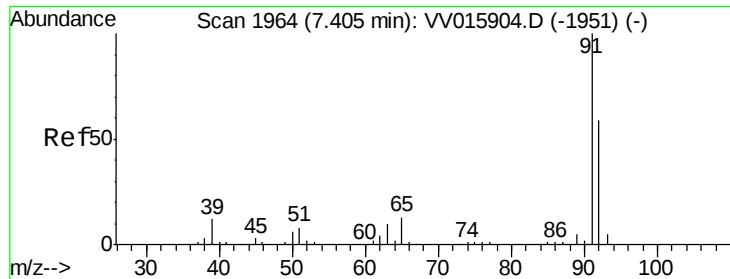
Tot Ion: 75 Resp: 71553
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 50.619 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion: 43 Resp: 330372
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.4
 100 14.0 10.9 16.3





#42

Toluene

Concen: 5.084 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

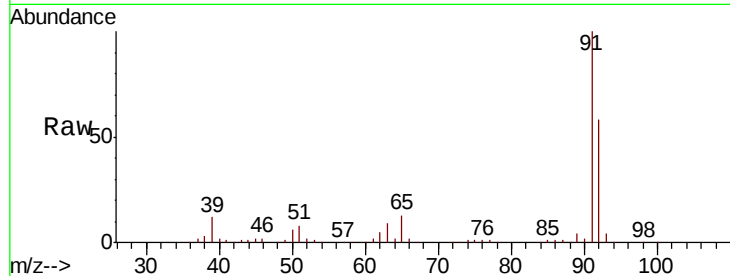
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 221231

Ion Ratio Lower Upper

91 100

92 58.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015904.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015904.D (-1951) (-)

7.41

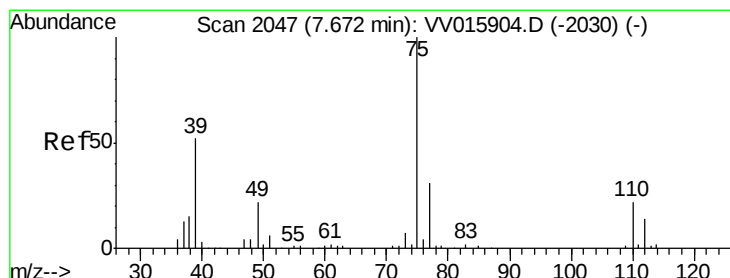
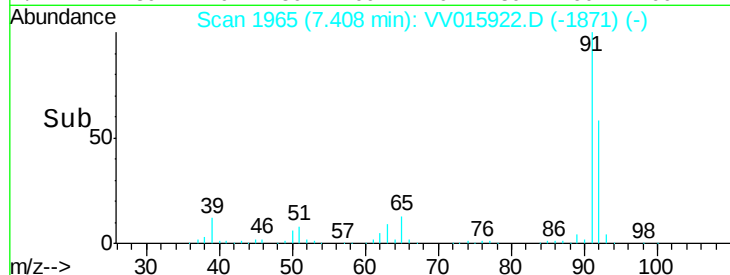
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.994 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015922.D

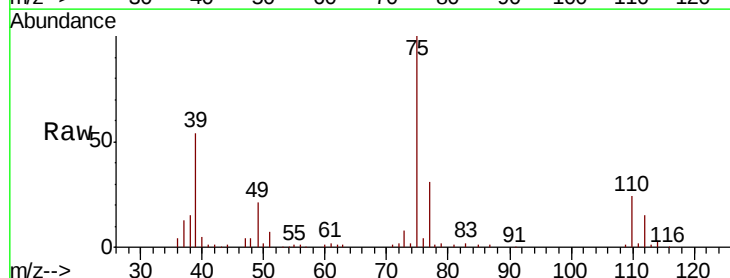
Acq: 06 May 2020 20:01

Tgt Ion: 75 Resp: 60798

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015904.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015904.D (-2030) (-)

7.68

40000

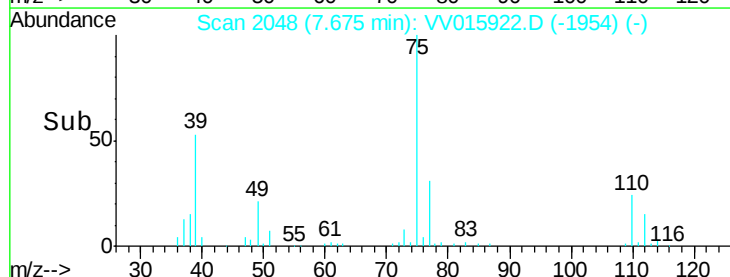
30000

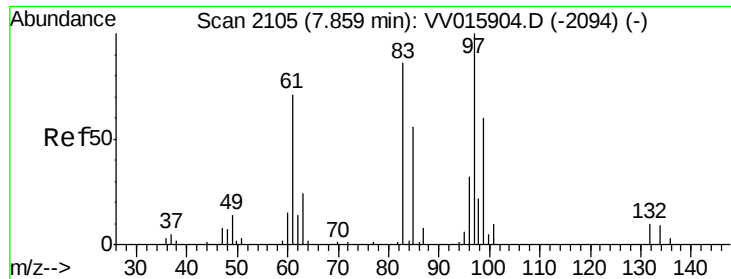
20000

10000

0

Time-->

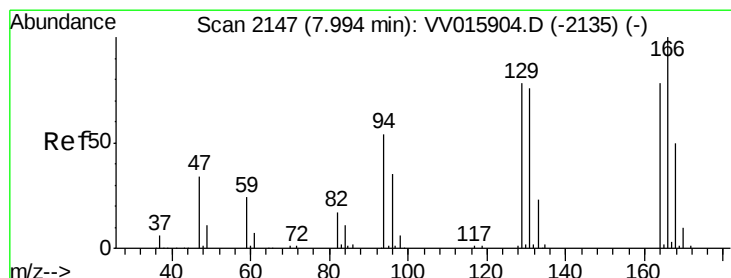
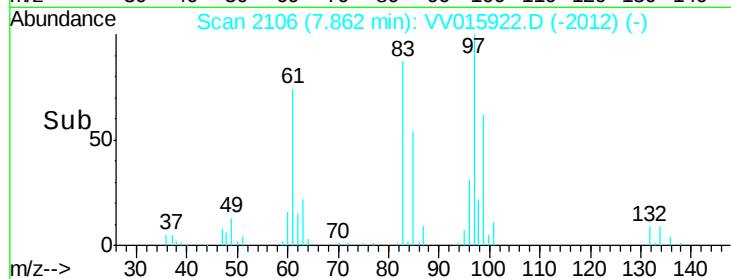
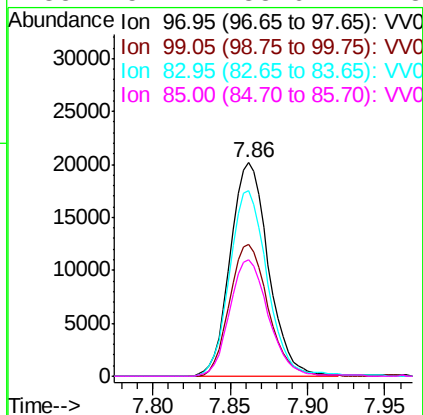
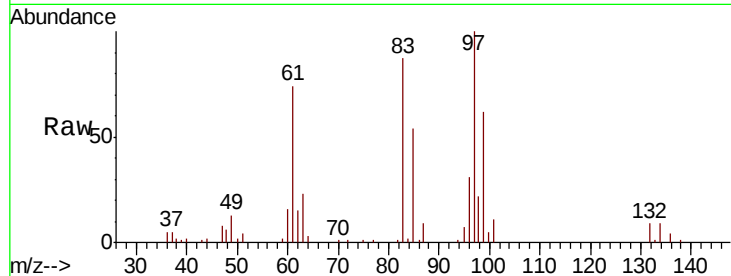




#45
 1,1,2-Trichloroethane
 Concen: 5.011 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

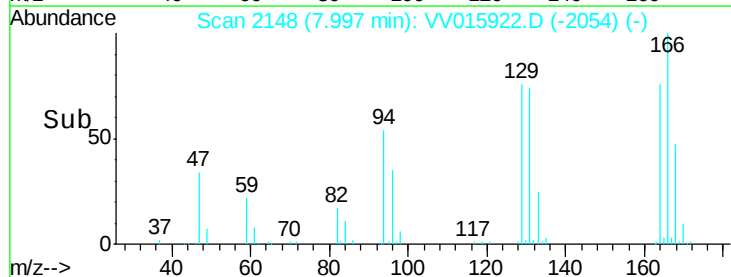
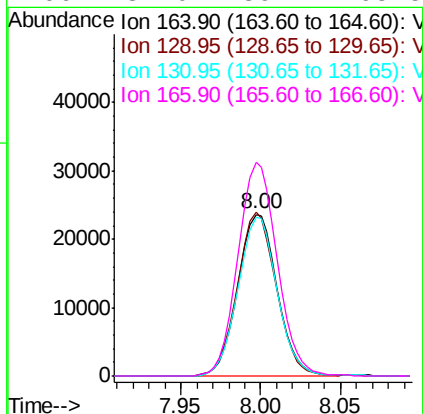
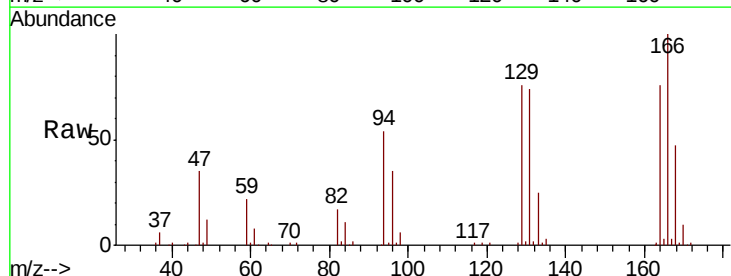
Instrument :
 MSVOA_V
 ClientSampleId :

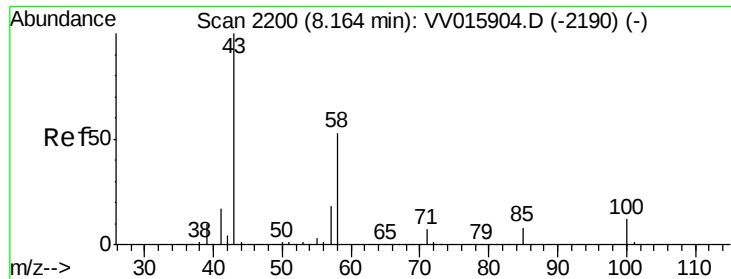
Tot Ion:	97	Resp:	34531
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.1	78.1
83	86.8	59.2	110.0
85	54.4	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.774 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion:	164	Resp:	39611
Ion	Ratio	Lower	Upper
164	100		
129	100.9	69.7	129.4
131	97.9	66.8	124.2
166	132.0	89.1	165.5

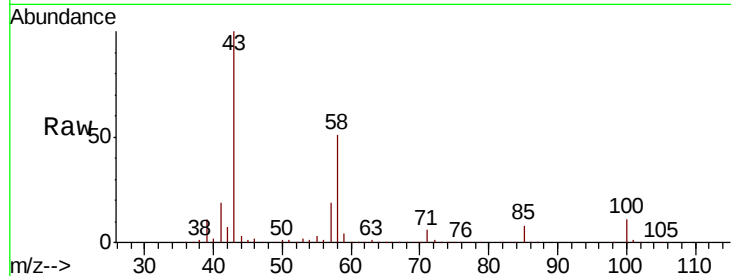




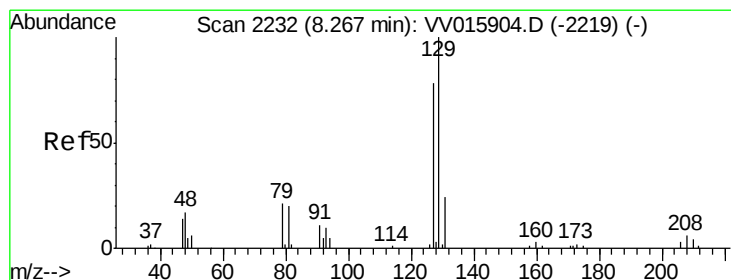
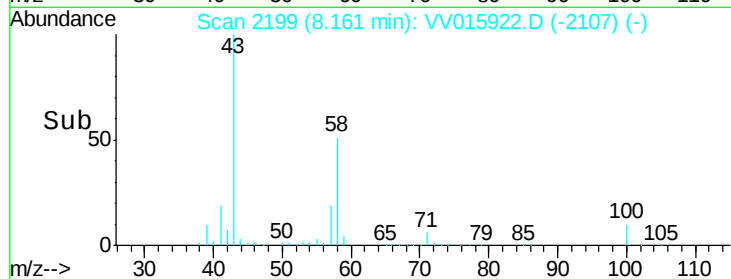
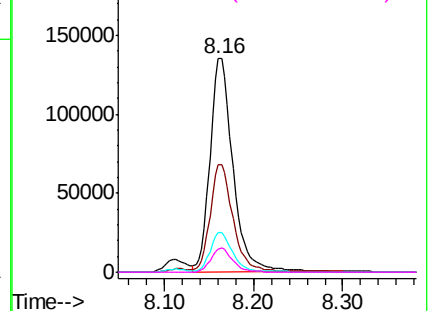
#48
2-Hexanone
Concen: 52.824 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 240635
Ion Ratio Lower Upper
43 100
58 49.7 40.8 61.2
57 18.9 14.7 22.1
100 11.1 9.0 13.6

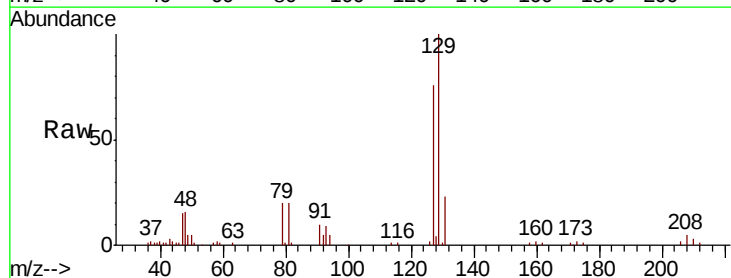


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

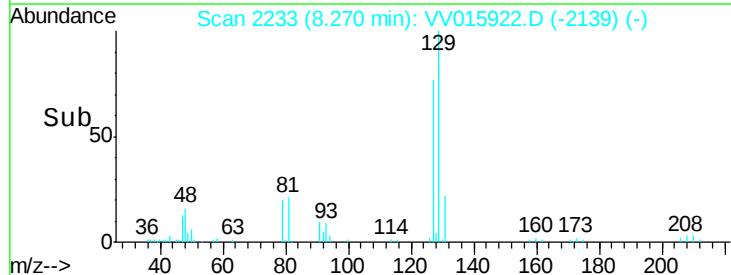
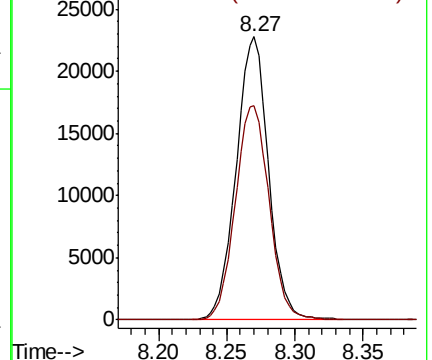


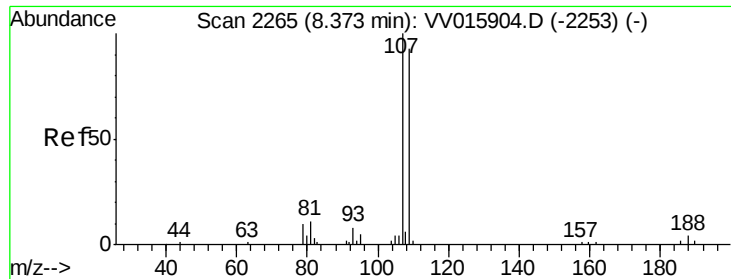
#49
Dibromochloromethane
Concen: 5.044 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 129 Resp: 37508
Ion Ratio Lower Upper
129 100
127 75.7 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

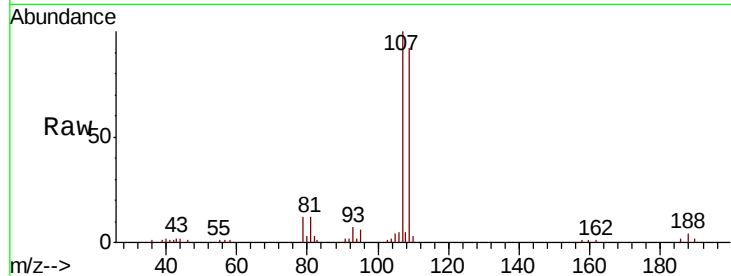




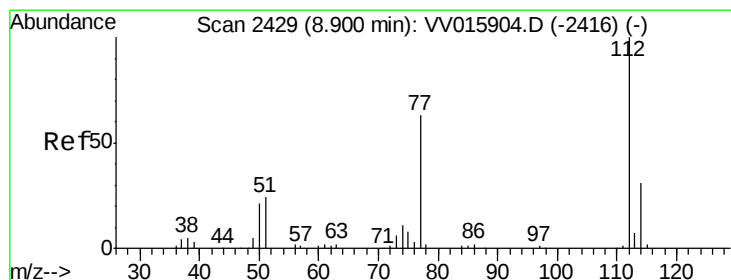
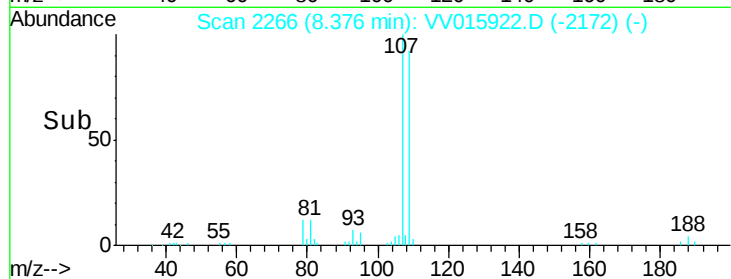
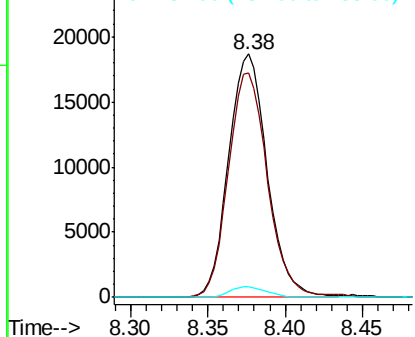
#50
1,2-Dibromoethane
Concen: 4.977 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 32362
Ion Ratio Lower Upper
107 100
109 92.3 68.9 127.9
188 4.2 2.7 4.1#

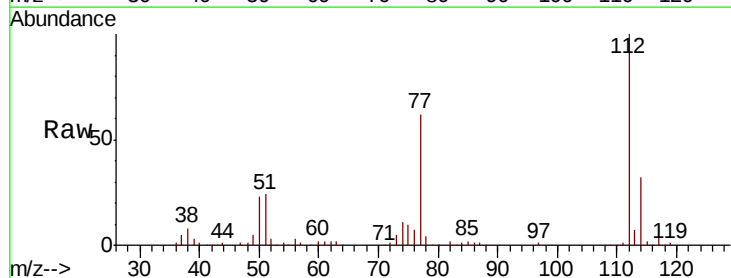


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

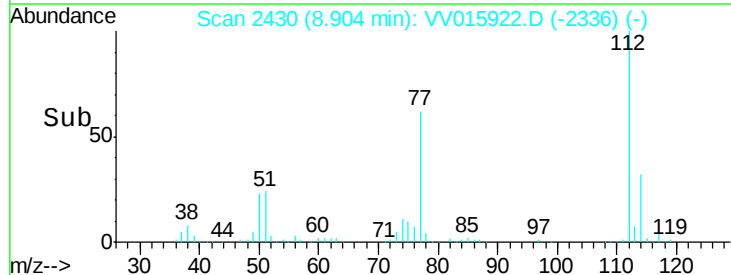
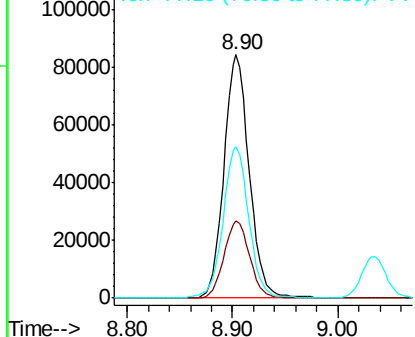


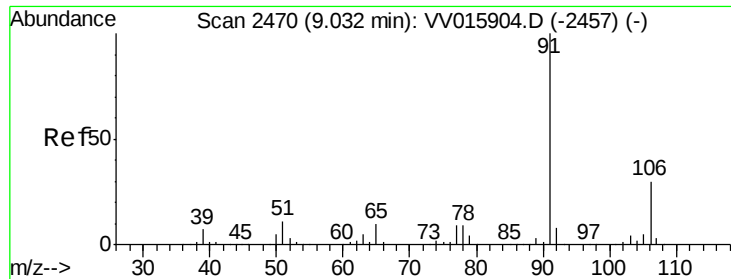
#51
Chlorobenzene
Concen: 5.008 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion:112 Resp: 139482
Ion Ratio Lower Upper
112 100
114 31.7 21.6 40.0
77 62.4 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

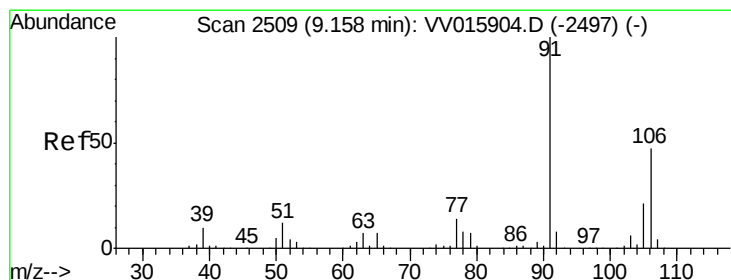
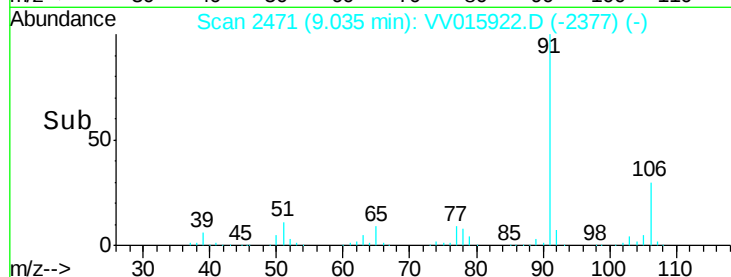
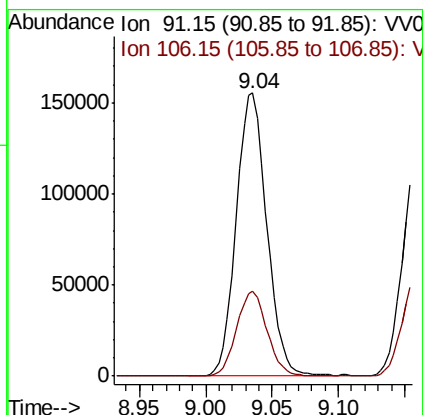
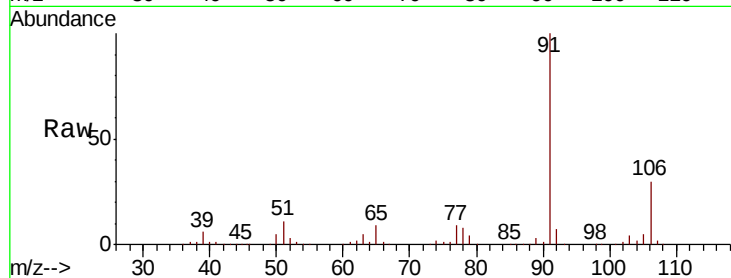




#52
Ethylbenzene
Concen: 5.020 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

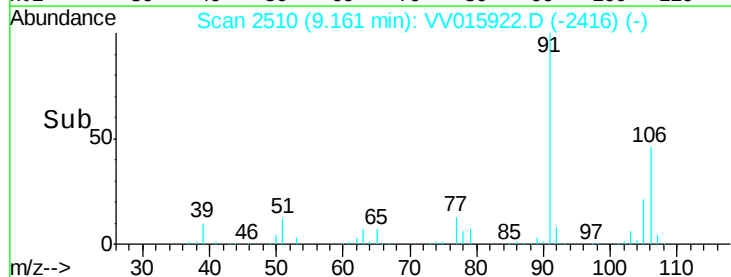
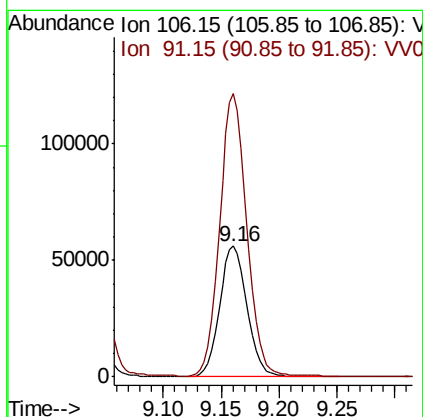
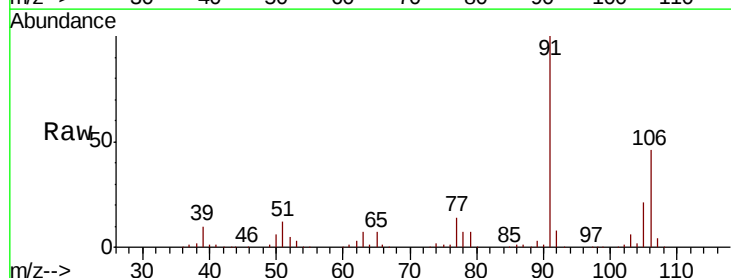
Instrument :
MSVOA_V
ClientSampleId :

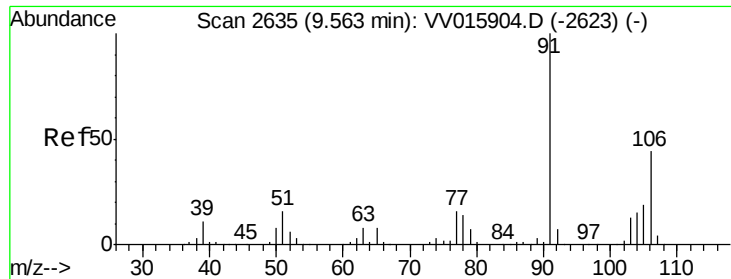
Tot Ion: 91 Resp: 248577
Ion Ratio Lower Upper
91 100
106 30.0 20.6 38.4



#53
m,p-xylene
Concen: 4.955 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015922.D
Acq: 06 May 2020 20:01

Tgt Ion: 106 Resp: 91856
Ion Ratio Lower Upper
106 100
91 216.8 149.9 278.3





#54

o-xylene

Concen: 4.970 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

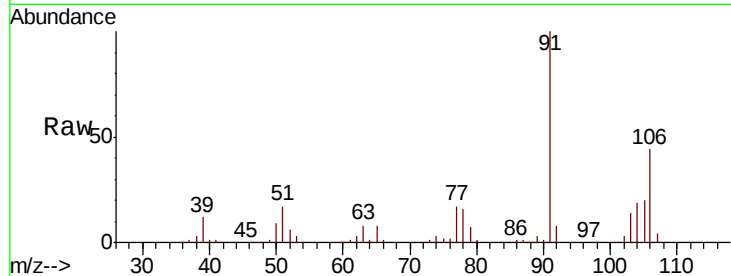
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 87598

Ion Ratio Lower Upper

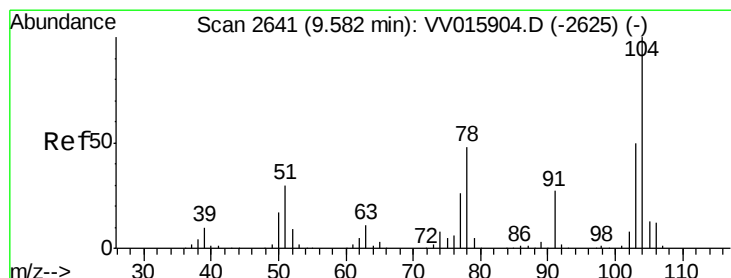
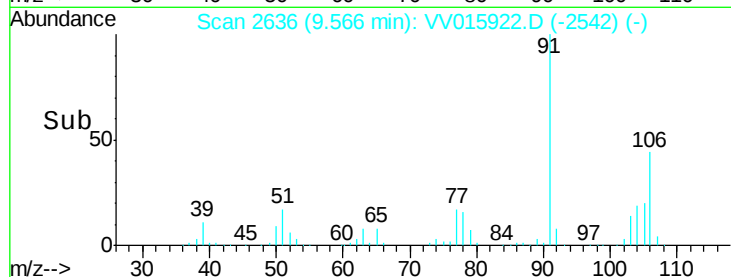
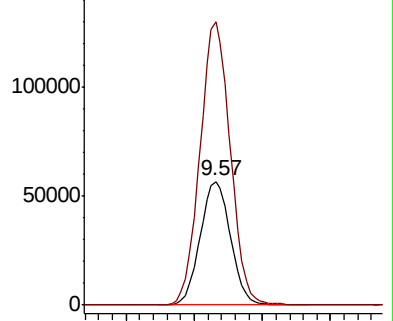
106 100

91 229.2 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.154 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015922.D

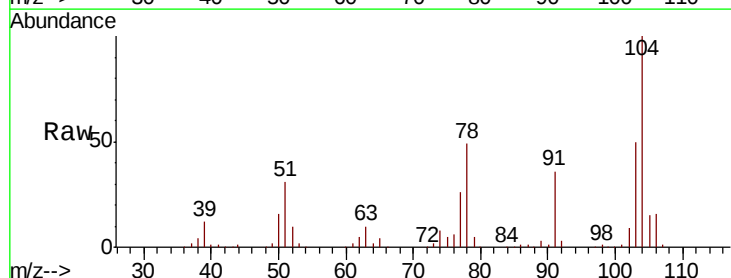
Acq: 06 May 2020 20:01

Tgt Ion:104 Resp: 151904

Ion Ratio Lower Upper

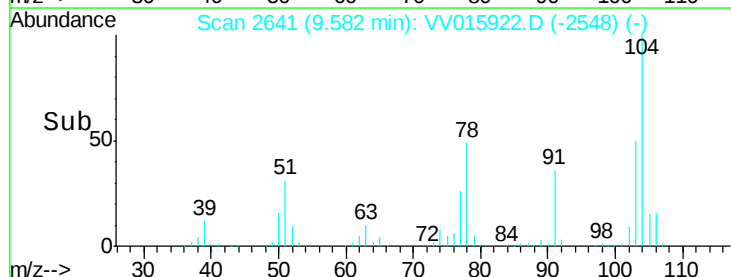
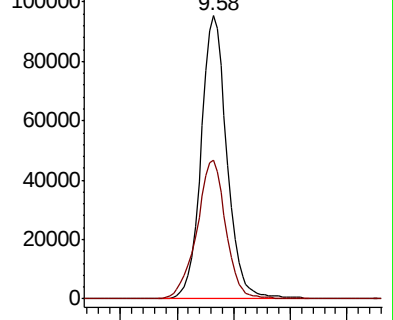
104 100

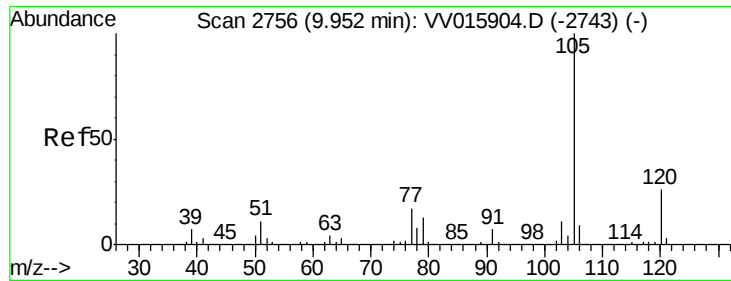
78 49.0 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.020 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

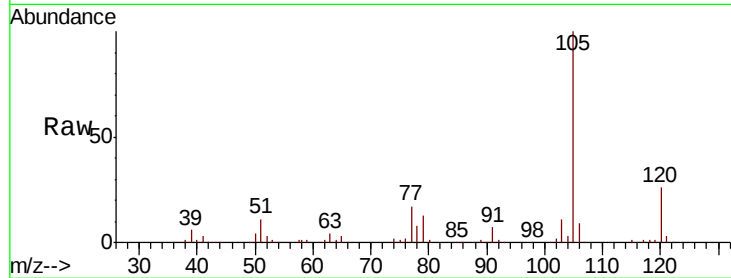
Tot Ion:105 Resp: 243351

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

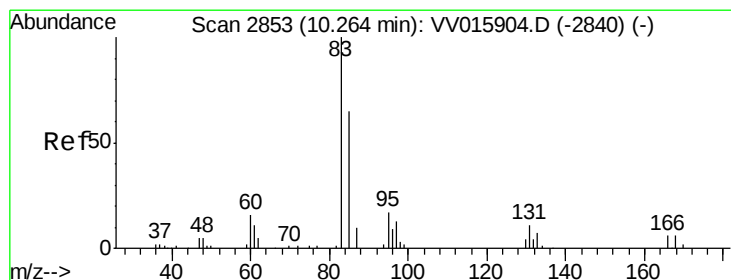
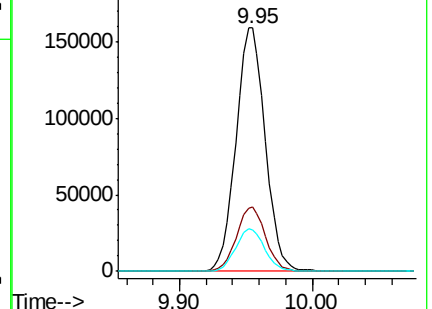
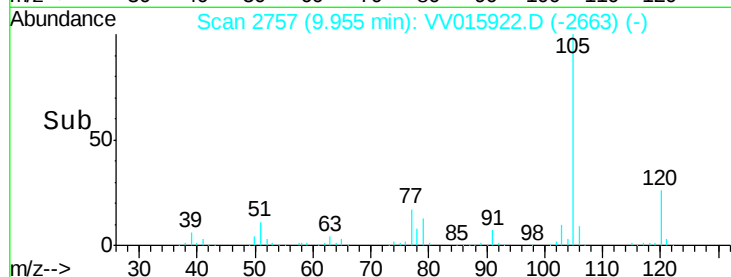
77 17.3 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.069 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

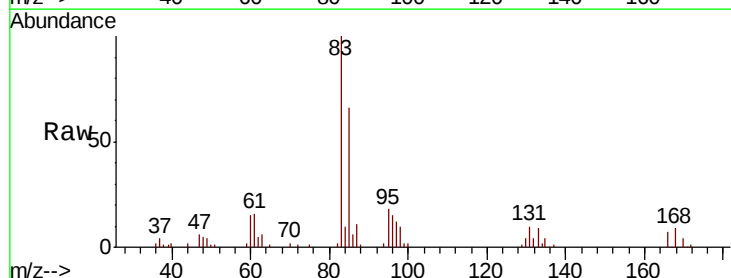
Tgt Ion: 83 Resp: 40238

Ion Ratio Lower Upper

83 100

85 65.6 44.0 81.6

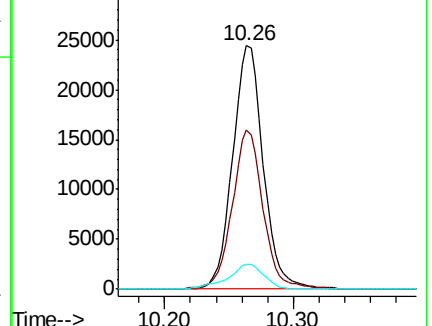
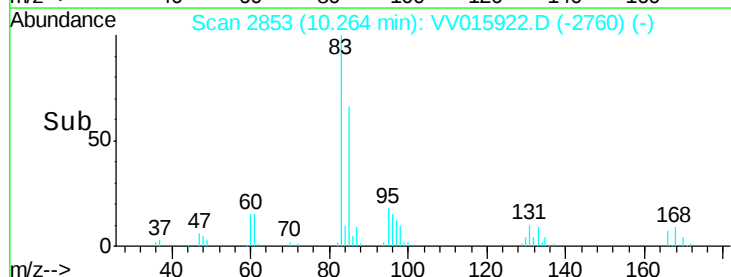
131 10.4 7.7 11.5

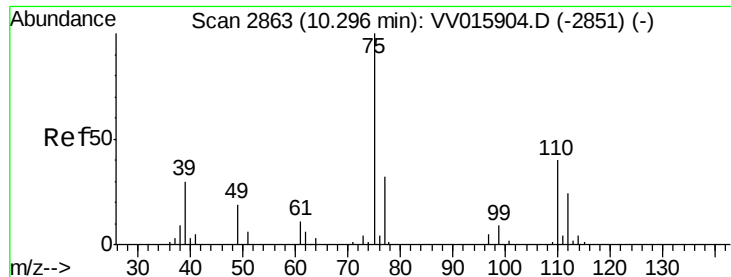


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

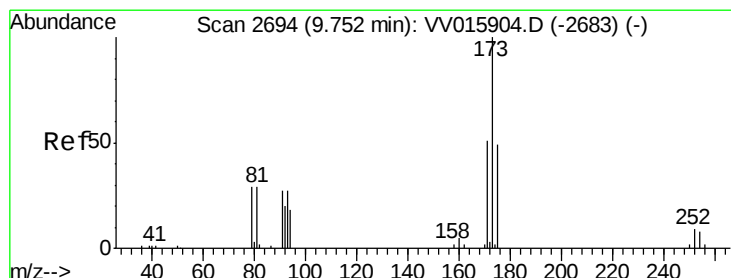
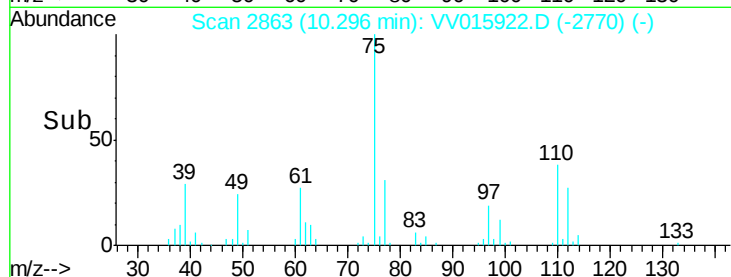
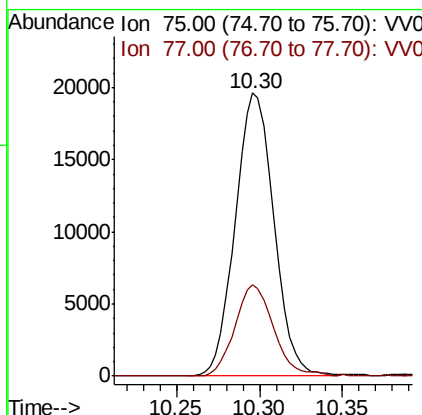
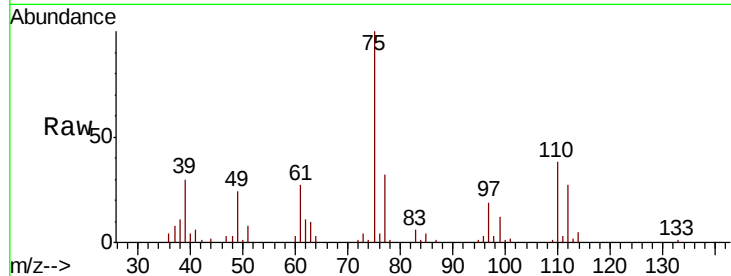




#59
 1,2,3-Trichloropropane
 Concen: 5.098 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

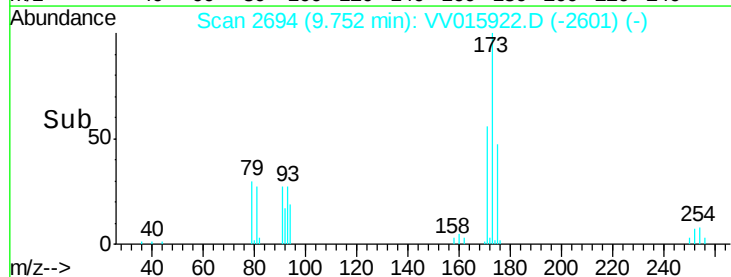
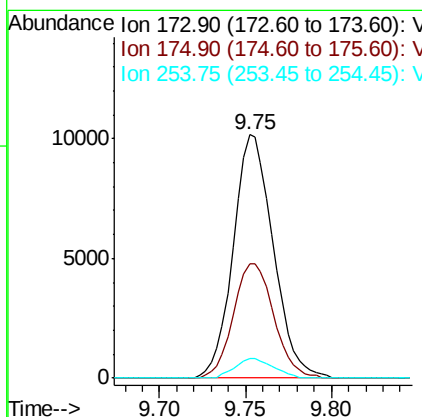
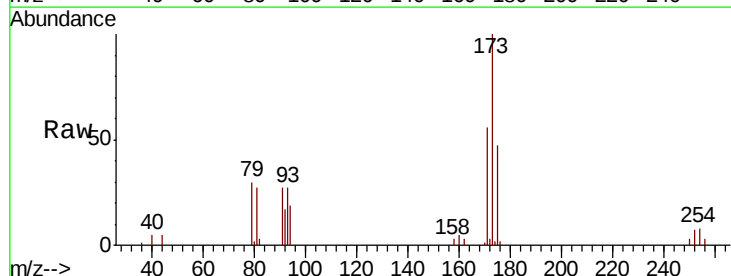
Instrument :
 MSVOA_V
 ClientSampleId :

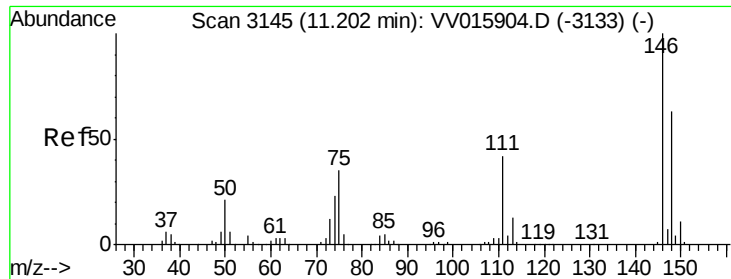
Tot Ion: 75 Resp: 31937
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4



#61
 Bromoform
 Concen: 4.833 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion: 173 Resp: 16530
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.8 59.8
 254 7.6 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.851 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

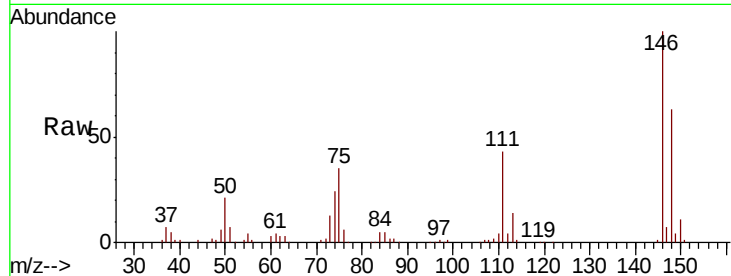
Tot Ion:146 Resp: 109804

Ion Ratio Lower Upper

146 100

111 43.4 28.7 53.3

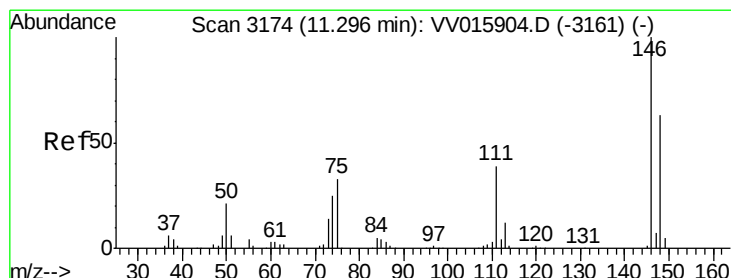
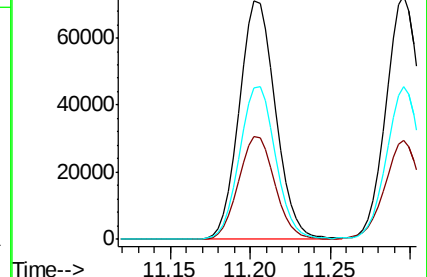
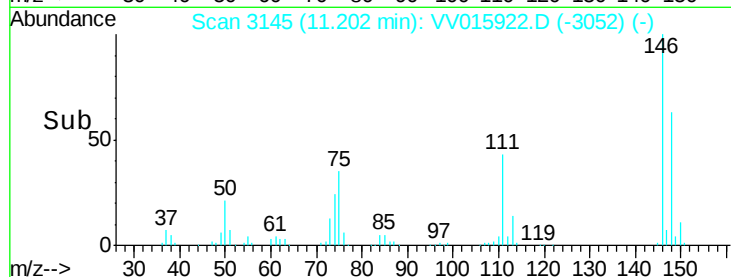
148 63.4 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.972 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

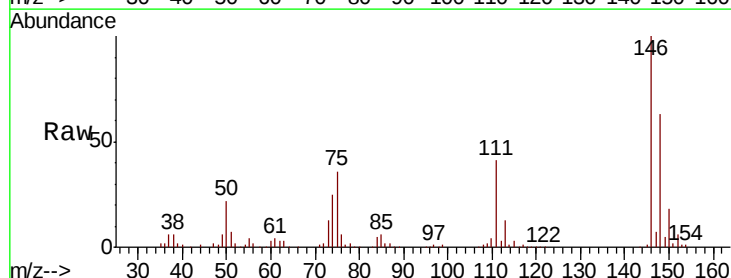
Tgt Ion:146 Resp: 111551

Ion Ratio Lower Upper

146 100

111 40.9 28.9 53.7

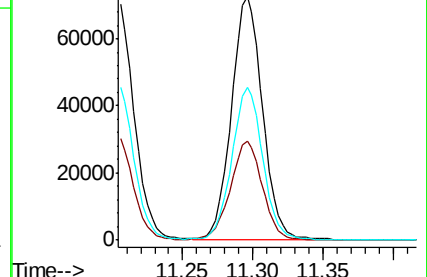
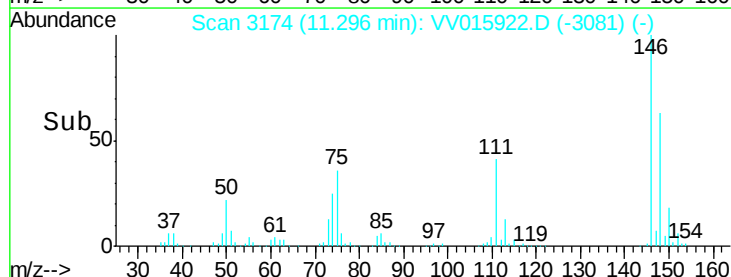
148 62.5 44.6 82.8

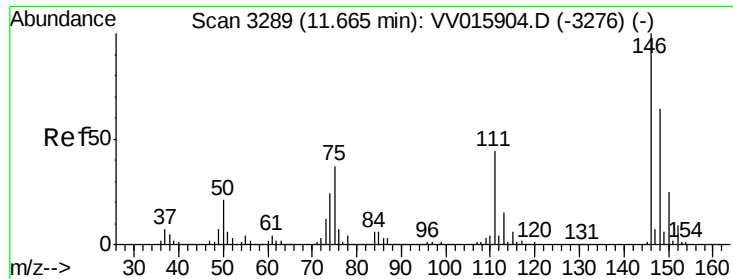


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.923 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampled :

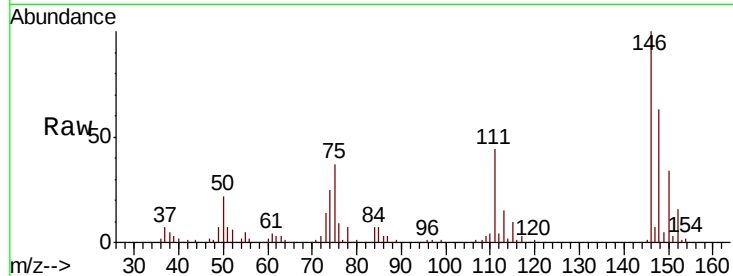
Tot Ion:146 Resp: 101017

Ion Ratio Lower Upper

146 100

111 44.4 37.0 55.4

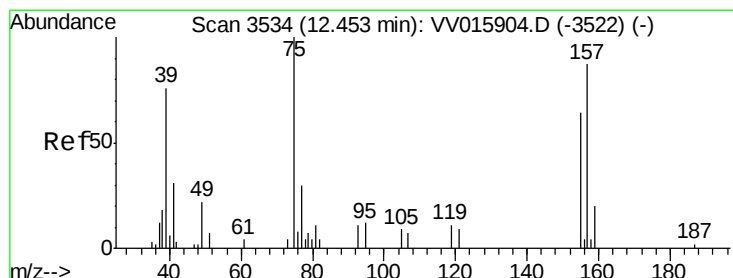
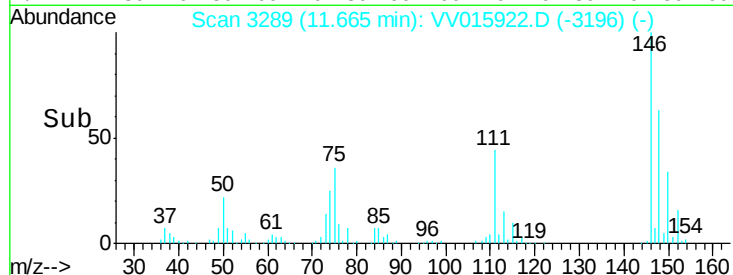
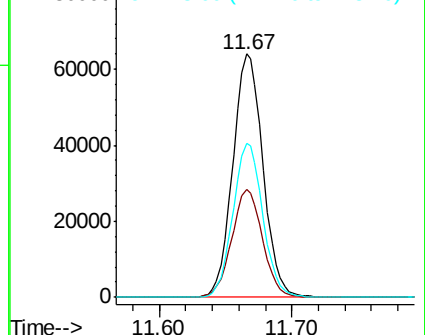
148 63.3 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.618 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

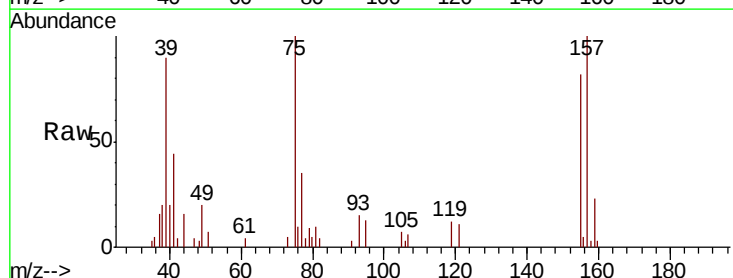
Tgt Ion: 75 Resp: 6583

Ion Ratio Lower Upper

75 100

155 81.8 58.2 87.4

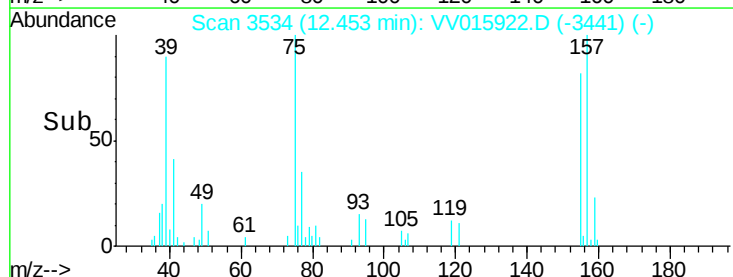
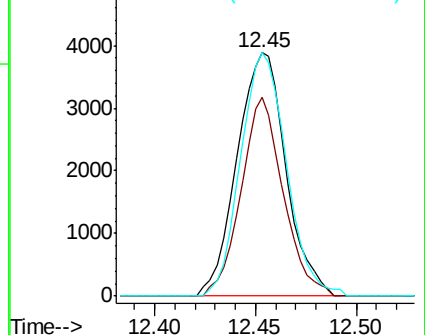
157 100.0 79.4 119.2

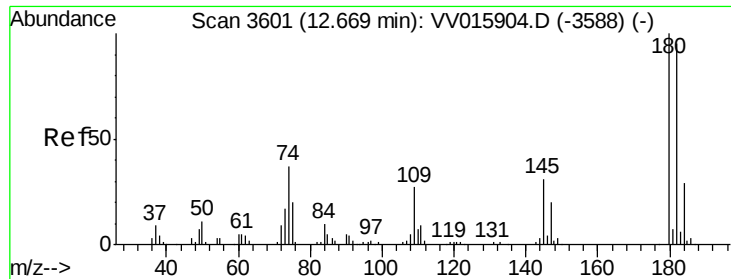


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

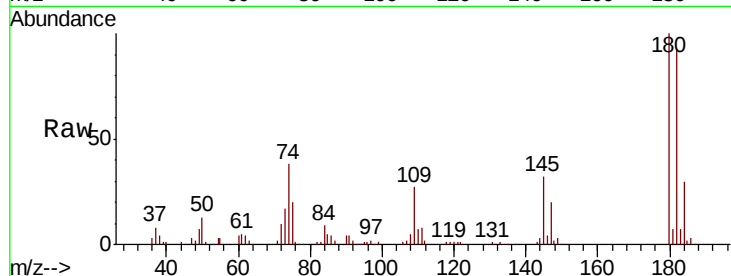




#67
 1,3,5-Trichlorobenzene
 Concen: 4.784 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
184	30.5	24.6	36.8
145	31.9	26.0	39.0



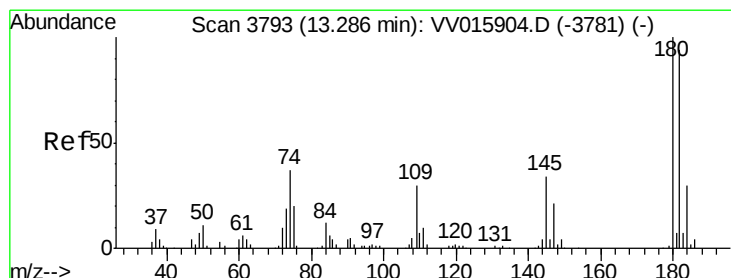
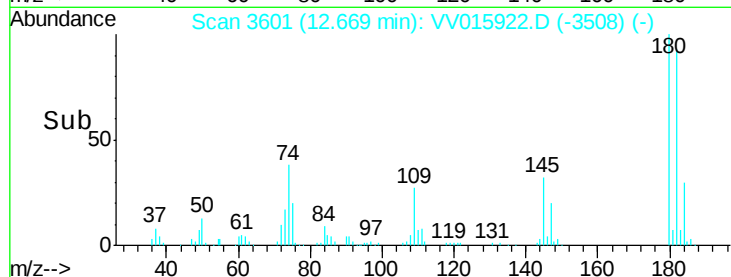
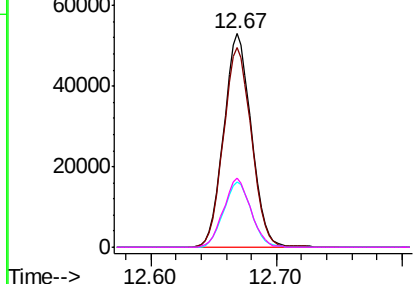
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

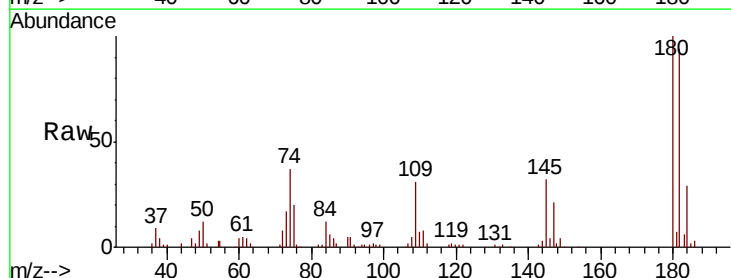
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.845 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015922.D
 Acq: 06 May 2020 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.7	115.1
145	31.8	26.4	39.6

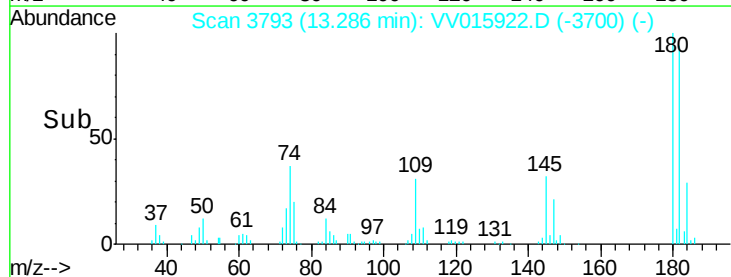
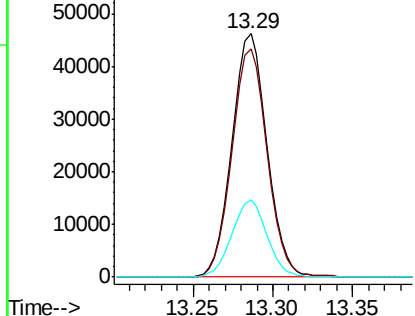


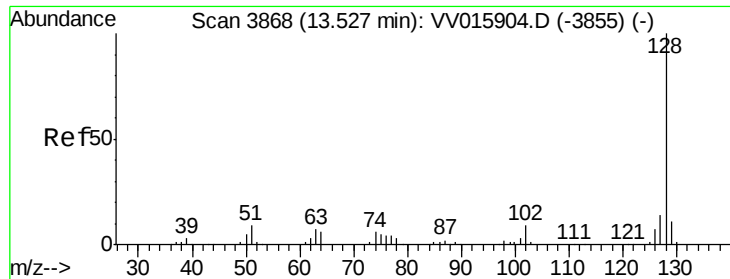
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.760 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

Instrument :

MSVOA_V

ClientSampleId :

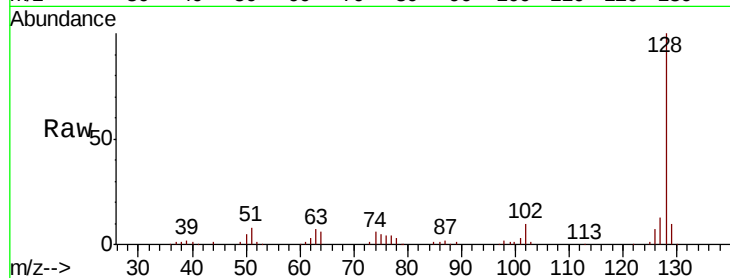
Tot Ion:128 Resp: 113985

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

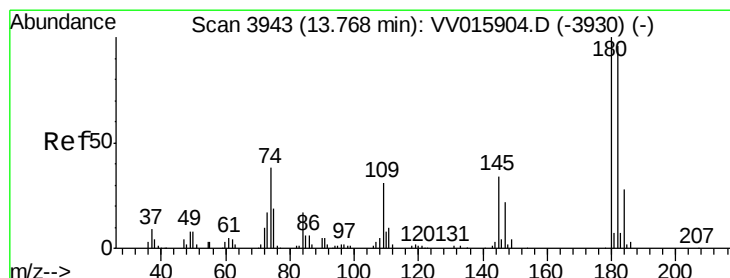
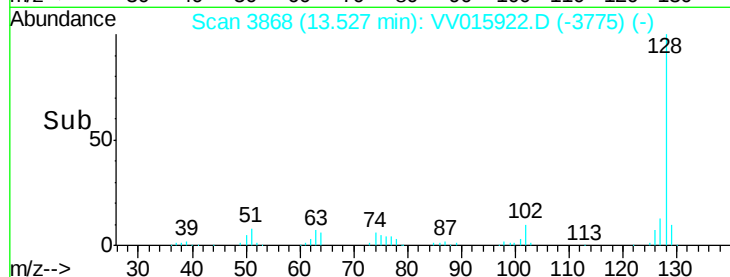
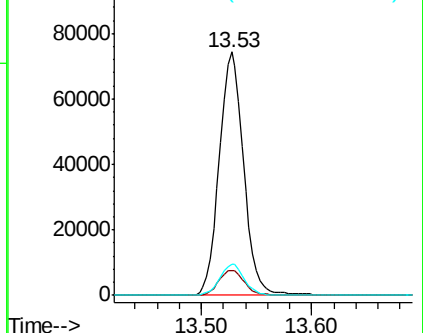
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.871 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015922.D

Acq: 06 May 2020 20:01

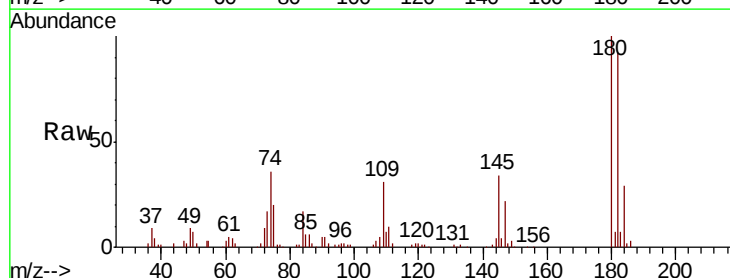
Tgt Ion:180 Resp: 61808

Ion Ratio Lower Upper

180 100

182 93.9 77.0 115.6

145 34.7 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

