

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015503.D
 Acq On : 15 Apr 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:39:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 13:35:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115593	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	109630	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	56217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33634	5.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.20%
7) Chloroethane-d5	1.58	69	30558	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.12	63	68625	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.60%
20) 2-Butanone-d5	3.93	46	87597	52.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.04%
24) Chloroform-d	4.37	84	61001	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	37112	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.07	84	131961	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.09	67	40480	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.34	98	125762	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	7.64	79	17398	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
46) 2-Hexanone-d5	8.11	63	72291	45.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29845	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	45878	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	56029	4.897 ug/L	99
3) Chloromethane	1.25	50	50945	4.676 ug/L	99
5) Vinyl chloride	1.32	62	50626	4.825 ug/L	99
6) Bromomethane	1.53	94	27683	4.775 ug/L	98
8) Chloroethane	1.60	64	33429	5.494 ug/L	97
9) Trichlorofluoromethane	1.76	101	69310	5.163 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39792	5.248 ug/L	99
12) 1,1-Dichloroethene	2.13	96	36702	5.058 ug/L	87
13) Acetone	2.21	43	71418	60.025 ug/L #	54
14) Carbon disulfide	2.31	76	114584	4.530 ug/L	100
15) Methyl Acetate	2.46	43	15918	4.522 ug/L	94
16) Methylene chloride	2.52	84	42279	4.974 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	98559	5.082 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	41242	5.044 ug/L	99
19) 1,1-Dichloroethane	3.21	63	80133	5.199 ug/L	98
21) 2-Butanone	4.01	43	111307	57.891 ug/L #	73
22) cis-1,2-Dichloroethene	3.94	96	43807	5.160 ug/L	96

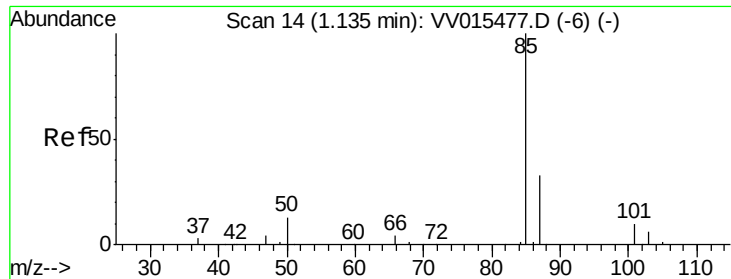
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 13:35:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	18246	5.165	ug/L	97
25) Chloroform	4.40	83	90154	5.715	ug/L	99
27) 1,2-Dichloroethane	5.15	62	51680	5.067	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	74283	5.222	ug/L	99
30) Cyclohexane	4.70	56	73653	4.877	ug/L	100
31) Carbon tetrachloride	4.85	117	63599	5.137	ug/L	100
33) Benzene	5.12	78	168019	5.121	ug/L	100
34) Trichloroethene	5.94	95	45542	5.157	ug/L	98
35) Methylcyclohexane	6.15	83	73752	4.956	ug/L	99
37) 1,2-Dichloropropane	6.20	63	43419	5.335	ug/L	100
38) Bromodichloromethane	6.53	83	55394	5.104	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	64349	5.153	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	264664	49.527	ug/L	100
42) Toluene	7.41	91	184064	5.167	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	55036	5.211	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	27905	5.101	ug/L	97
47) Tetrachloroethene	8.00	164	34603	5.288	ug/L	99
48) 2-Hexanone	8.16	43	190840	51.112	ug/L	99
49) Dibromochloromethane	8.27	129	34210	5.221	ug/L	98
50) 1,2-Dibromoethane	8.37	107	26310	5.018	ug/L	96
51) Chlorobenzene	8.90	112	118102	5.201	ug/L	99
52) Ethylbenzene	9.03	91	215180	5.247	ug/L	100
53) m,p-xylene	9.16	106	80404	5.192	ug/L	98
54) o-xylene	9.56	106	77509	5.171	ug/L	99
55) Styrene	9.58	104	130893	5.195	ug/L	100
56) Isopropylbenzene	9.95	105	214498	5.219	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	33907	5.093	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	24964	4.961	ug/L	97
61) Bromoform	9.75	173	16723	5.072	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	95649	5.277	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	95901	5.200	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	87171	5.275	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	6420	5.077	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	71419	5.453	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	62519	5.299	ug/L	98
69) Naphthalene	13.53	128	103987	4.678	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	53639	5.147	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.897 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

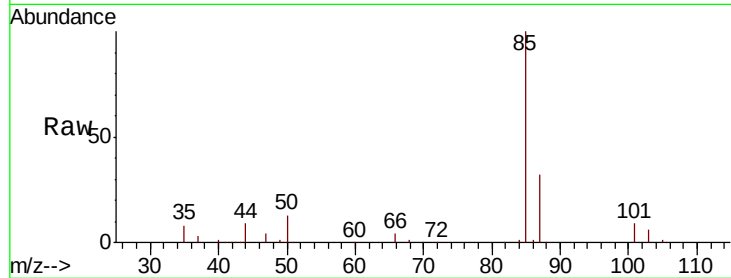
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 56029

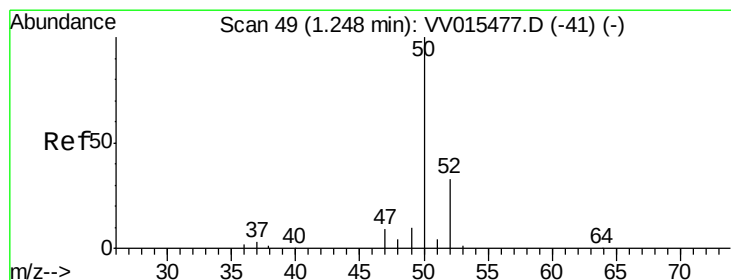
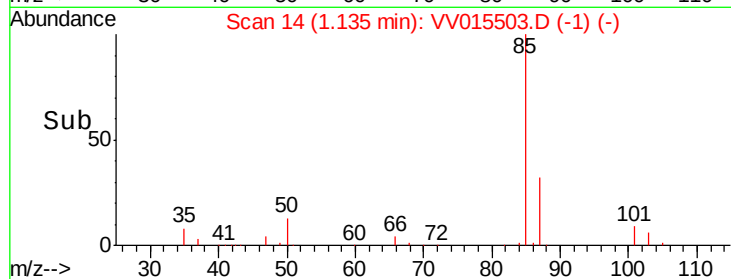
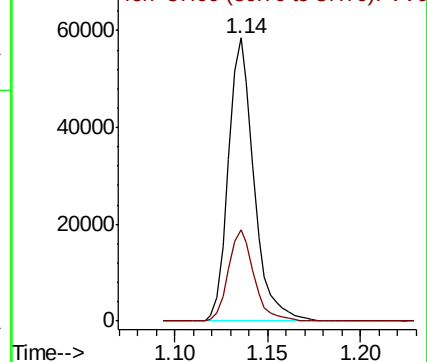
Ion Ratio Lower Upper

85 100

87 32.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.676 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015503.D

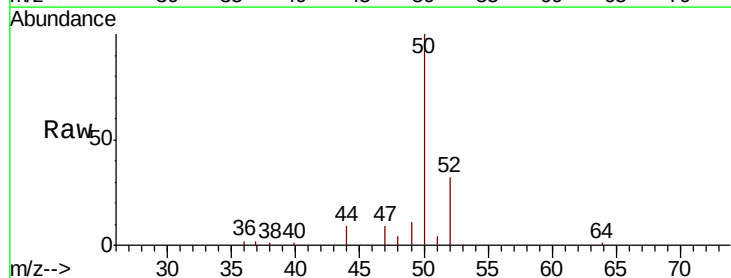
Acq: 15 Apr 2020 10:09

Tgt Ion: 50 Resp: 50945

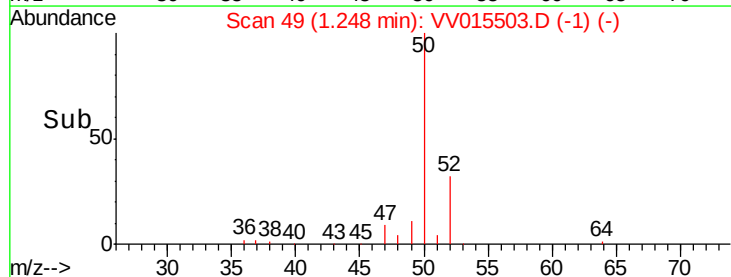
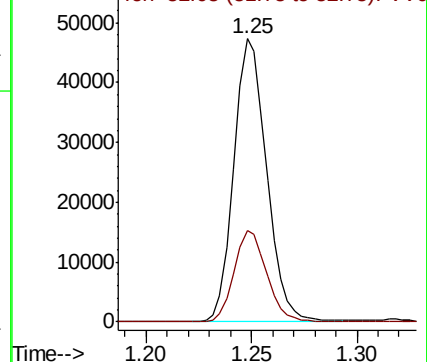
Ion Ratio Lower Upper

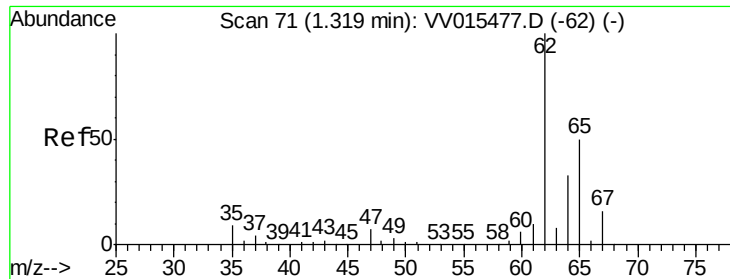
50 100

52 32.1 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.825 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

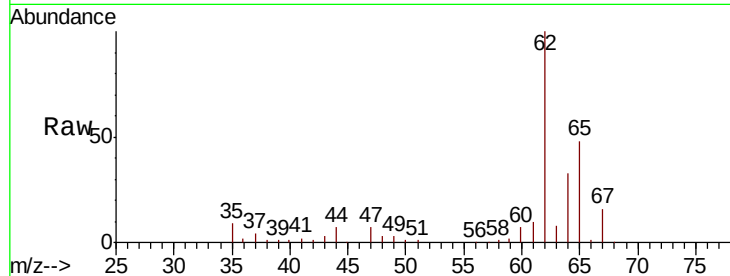
ClientSampled :

Tot Ion: 62 Resp: 50626

Ion Ratio Lower Upper

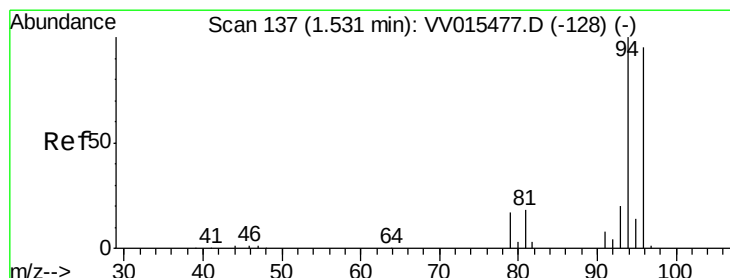
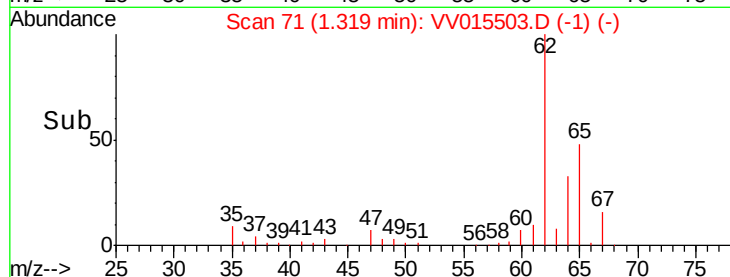
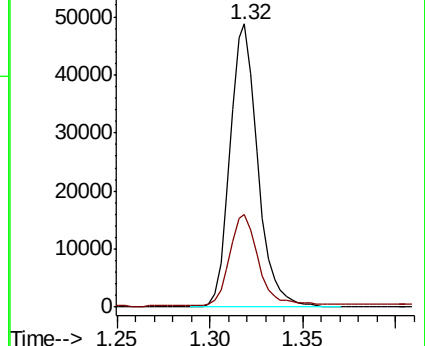
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.775 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015503.D

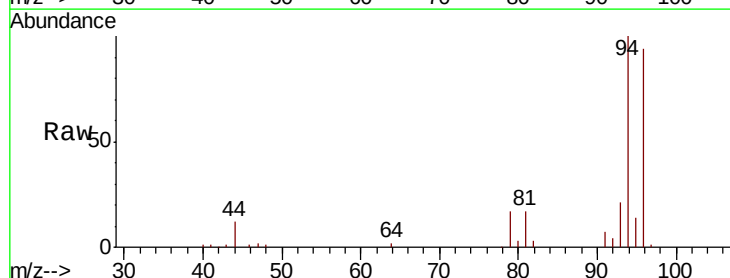
Acq: 15 Apr 2020 10:09

Tgt Ion: 94 Resp: 27683

Ion Ratio Lower Upper

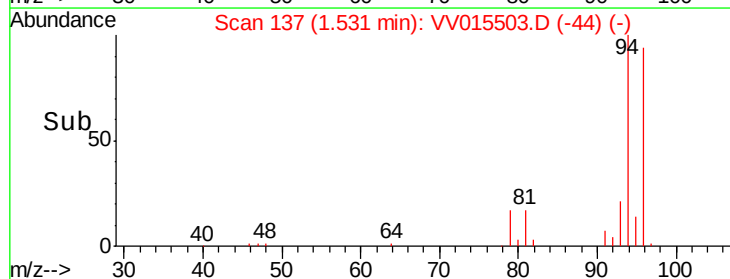
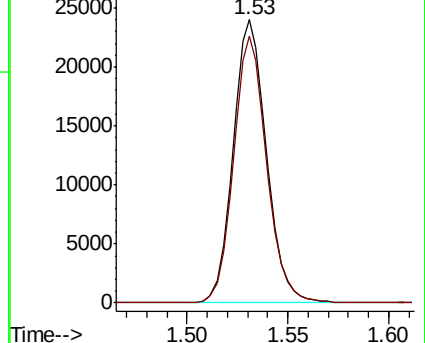
94 100

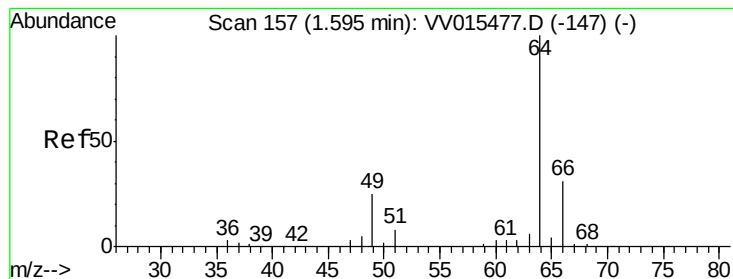
96 94.4 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.494 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

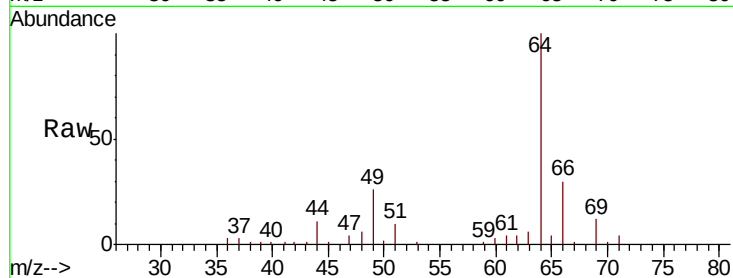
ClientSampleId :

Tot Ion: 64 Resp: 33429

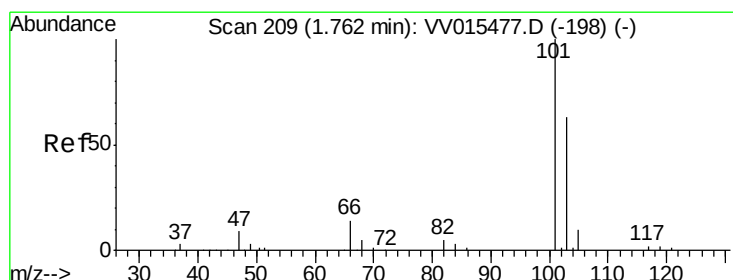
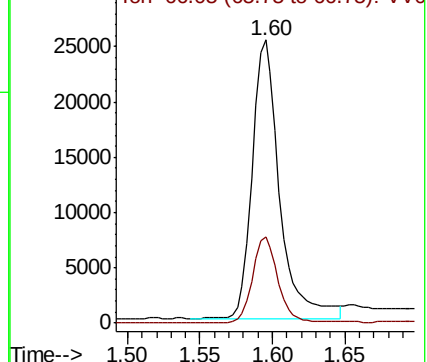
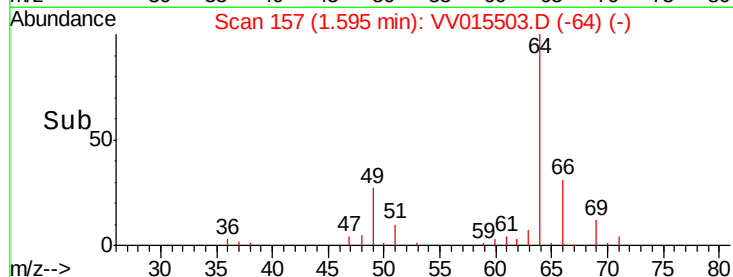
Ion Ratio Lower Upper

64 100

66 30.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015503.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 5.163 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015503.D

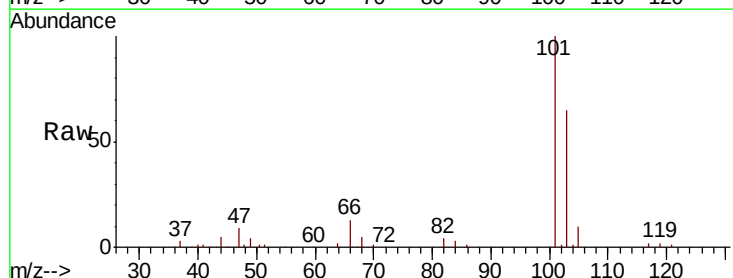
Acq: 15 Apr 2020 10:09

Tgt Ion:101 Resp: 69310

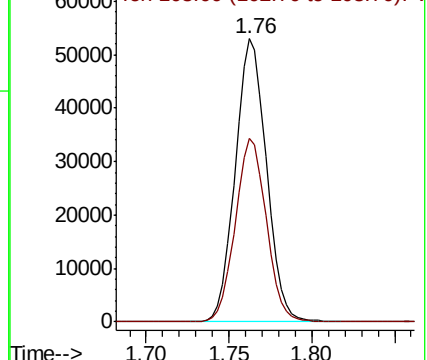
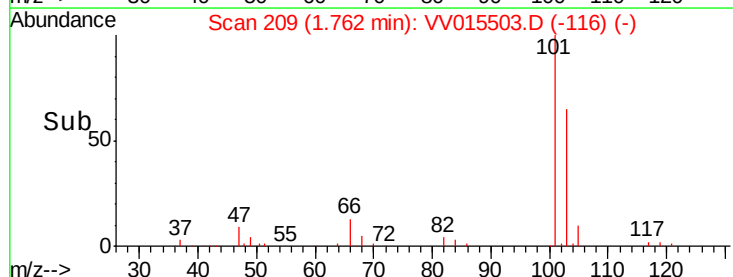
Ion Ratio Lower Upper

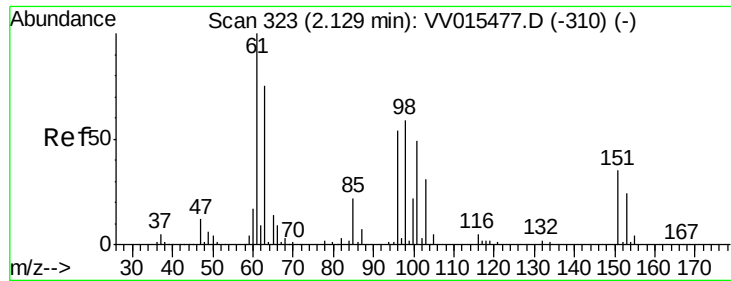
101 100

103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015503.D (-116) (-)





#10

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

Concen: 5.248 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

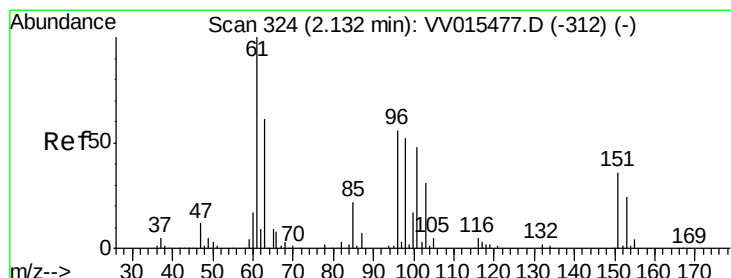
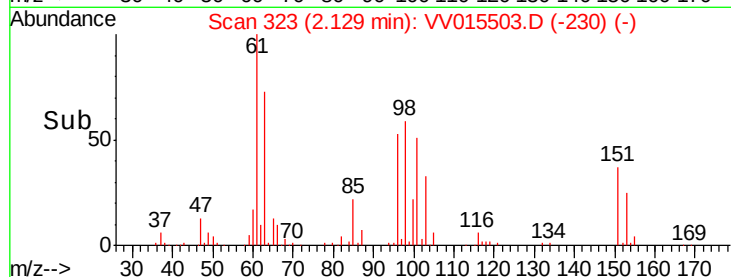
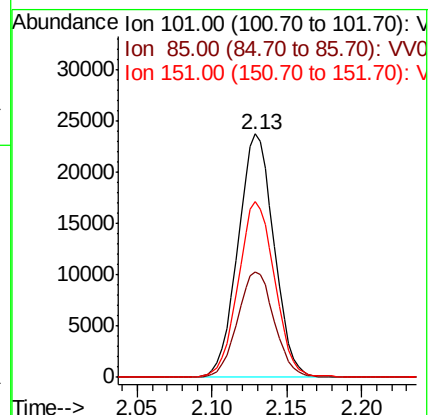
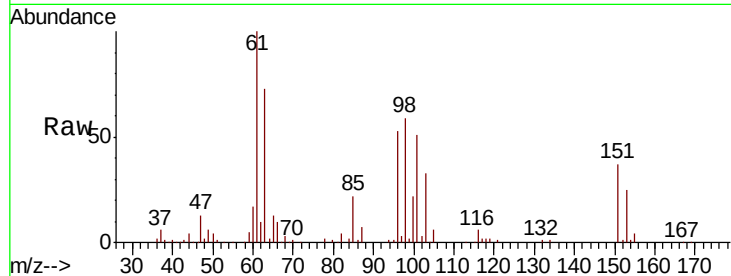
Tot Ion:101 Resp: 39792

Ion Ratio Lower Upper

101 100

85 44.0 36.3 54.5

151 73.0 58.2 87.4



#12

1,1-Dichloroethene

Concen: 5.058 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

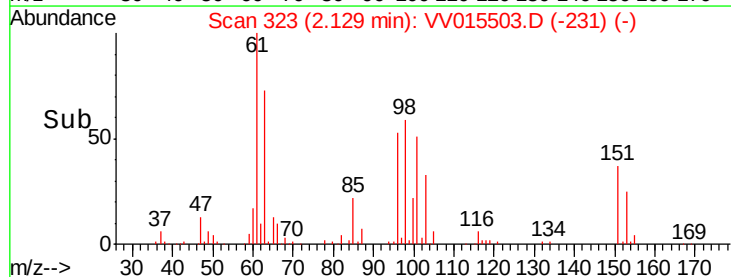
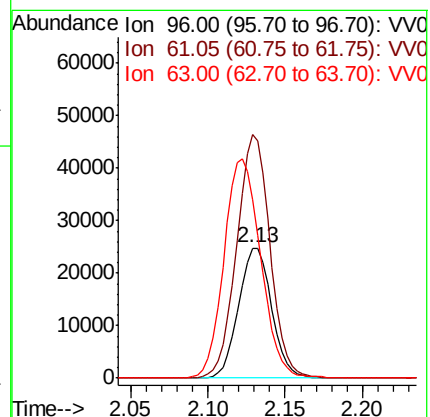
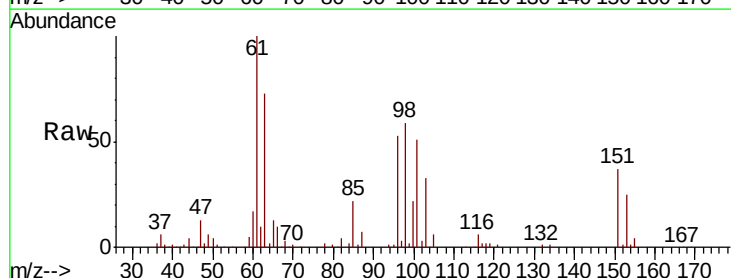
Tgt Ion: 96 Resp: 36702

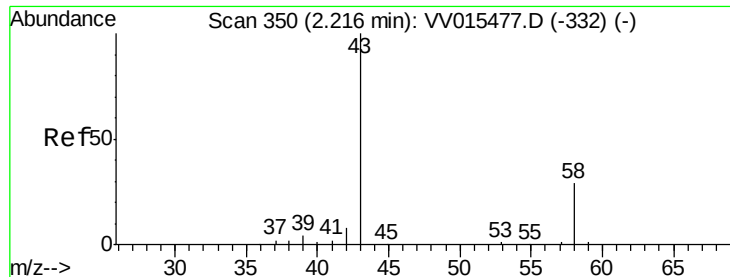
Ion Ratio Lower Upper

96 100

61 187.4 127.7 237.1

63 137.2 75.1 139.5





#13

Acetone

Concen: 60.025 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

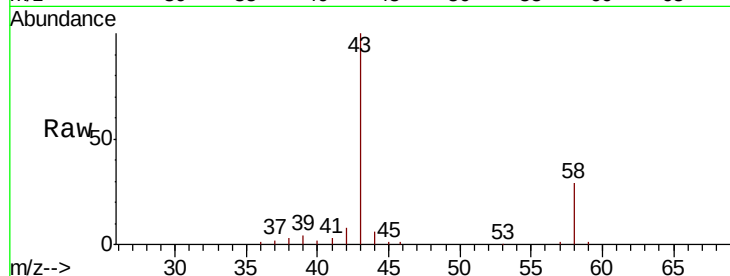
ClientSampleId :

Tot Ion: 43 Resp: 71418

Ion Ratio Lower Upper

43 100

58 28.7 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015477.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015477.D (-332) (-)

2.21

25000

20000

15000

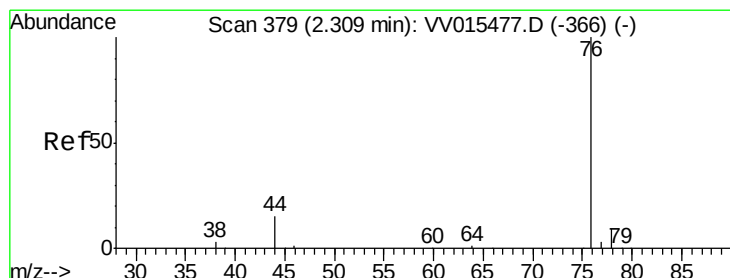
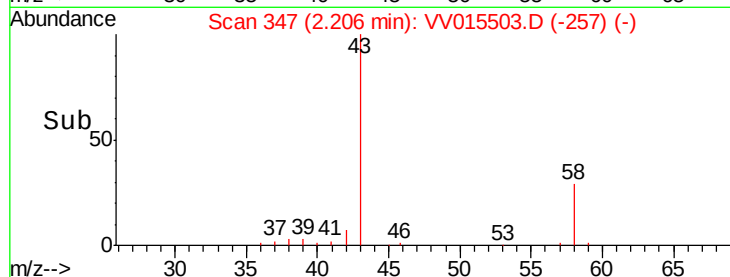
10000

5000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 4.530 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015503.D

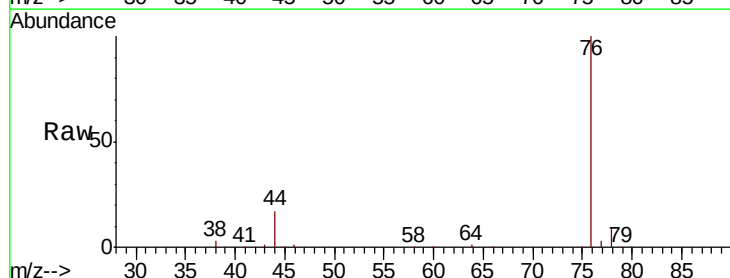
Acq: 15 Apr 2020 10:09

Tgt Ion: 76 Resp: 114584

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015477.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015477.D (-366) (-)

2.31

80000

60000

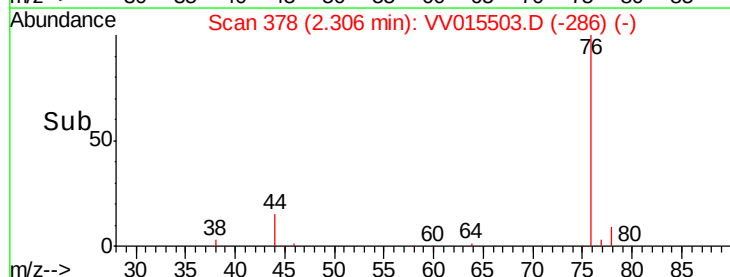
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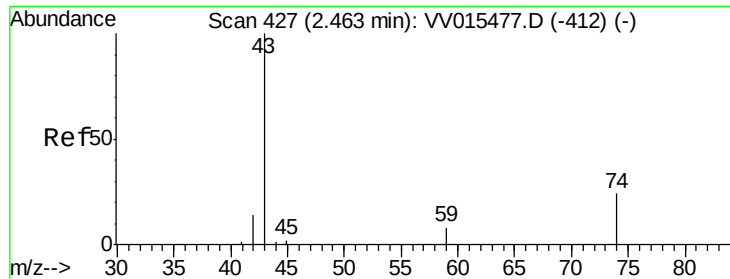
20000

0

2.25 2.30 2.35 2.40

Time-->

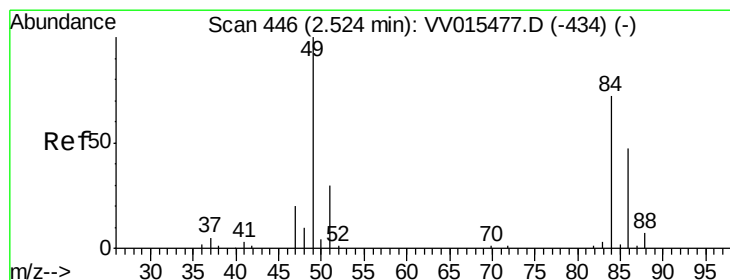
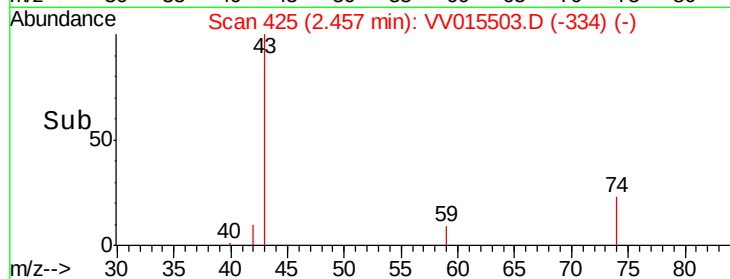
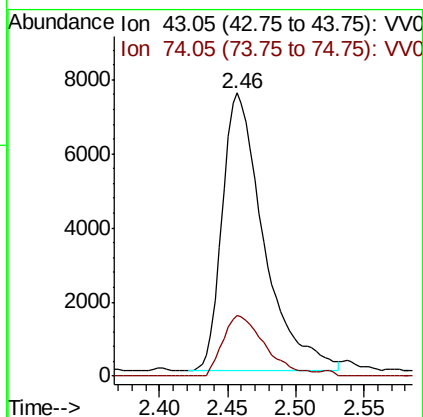
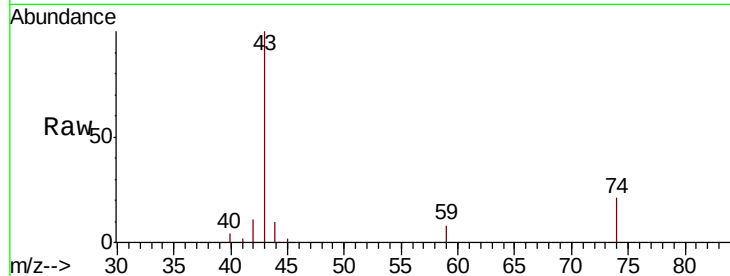




#15
Methvl Acetate
Concen: 4.522 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

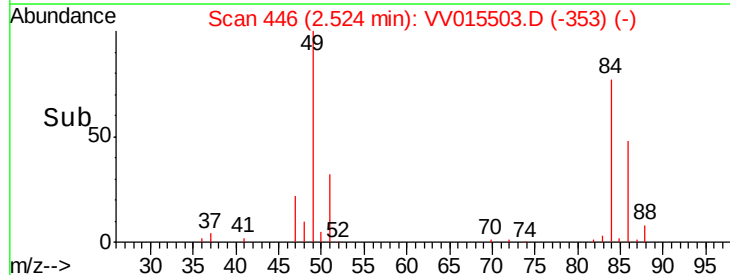
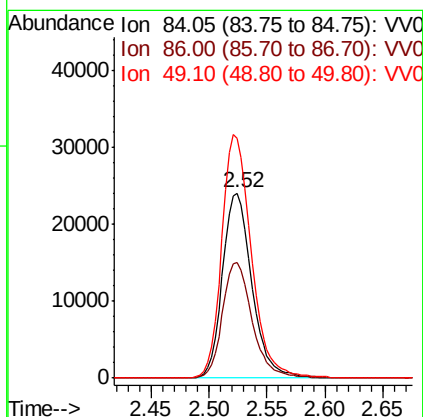
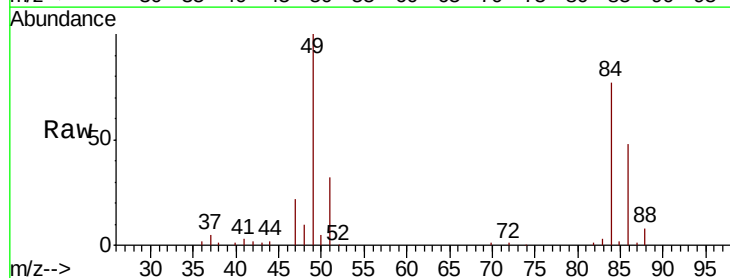
Instrument :
MSVOA_V
ClientSampleId :

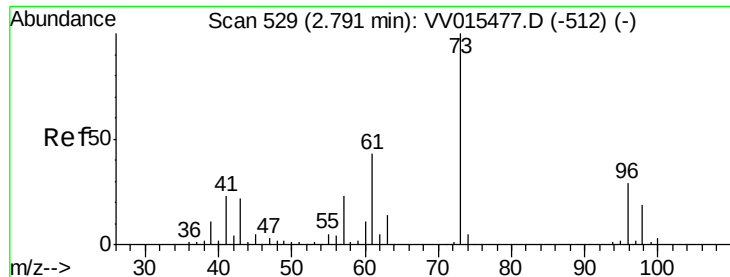
Tot Ion: 43 Resp: 15918
Ion Ratio Lower Upper
43 100
74 22.2 15.4 23.2



#16
Methylene chloride
Concen: 4.974 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Tgt Ion: 84 Resp: 42279
Ion Ratio Lower Upper
84 100
86 62.3 45.1 83.7
49 129.8 97.9 181.7



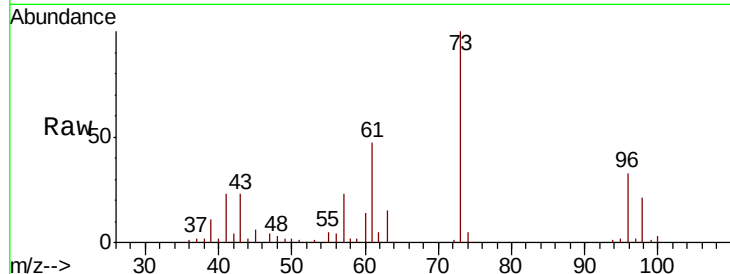


#17

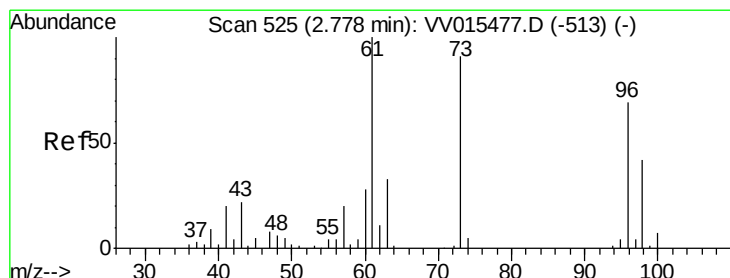
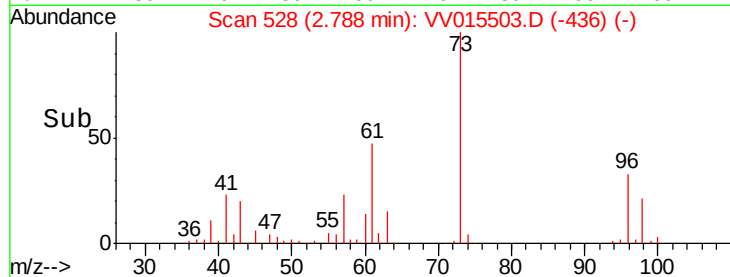
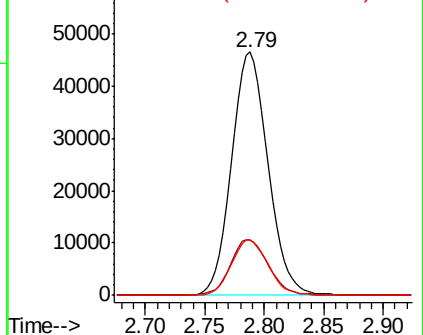
Methyl tert-butyl Ether
 Concen: 5.082 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 98559
 Ion Ratio Lower Upper
 73 100
 43 23.8 18.3 27.5
 57 23.1 18.4 27.6



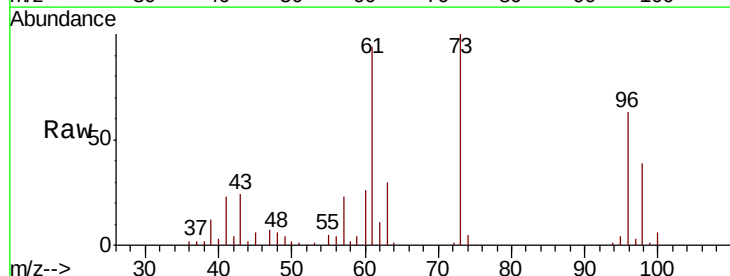
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



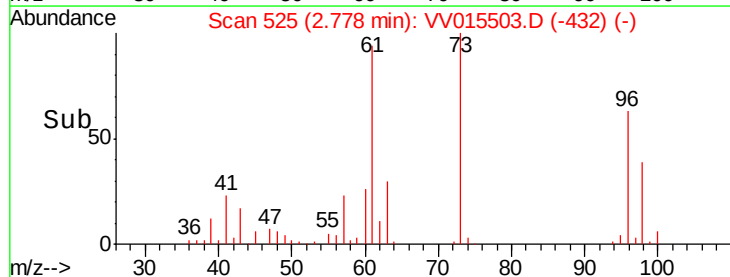
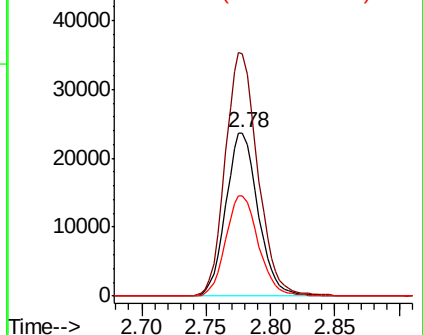
#18

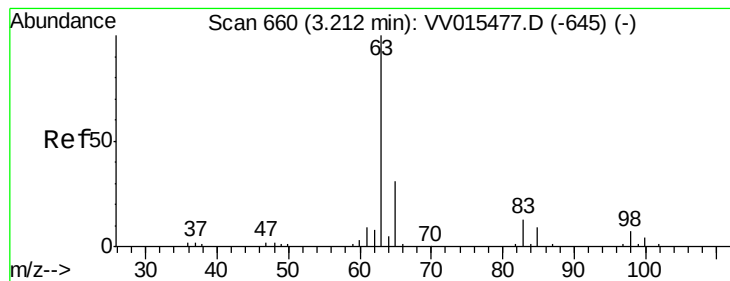
trans-1,2-Dichloroethene
 Concen: 5.044 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 96 Resp: 41242
 Ion Ratio Lower Upper
 96 100
 61 148.6 104.4 194.0
 98 61.6 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.199 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

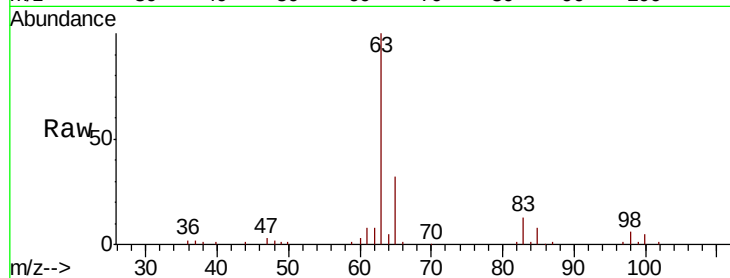
Tot Ion: 63 Resp: 80133

Ion Ratio Lower Upper

63 100

65 31.9 21.3 39.6

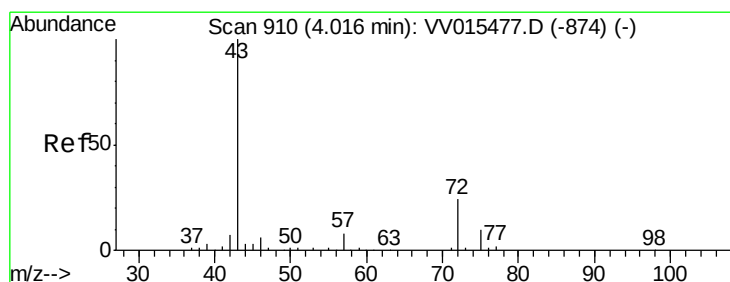
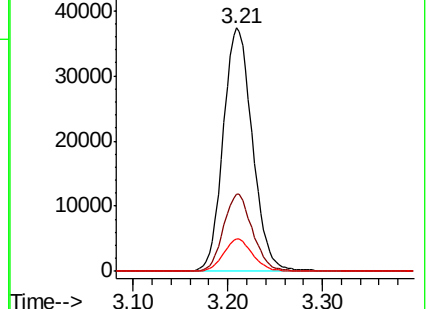
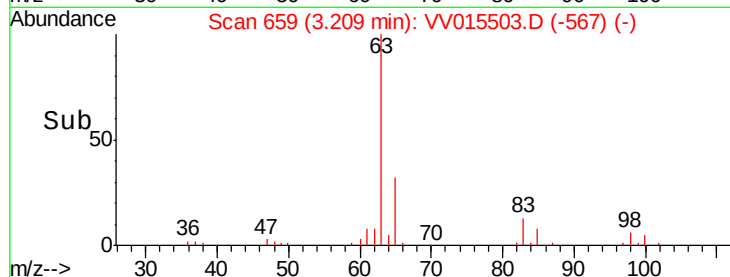
83 13.4 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV015503.D (-567) (-)

Ion 65.10 (64.80 to 65.80): VV015503.D (-567) (-)

Ion 83.05 (82.75 to 83.75): VV015503.D (-567) (-)



#21

2-Butanone

Concen: 57.891 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV015503.D

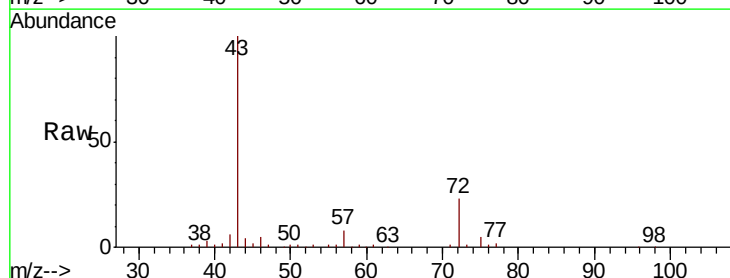
Acq: 15 Apr 2020 10:09

Tgt Ion: 43 Resp: 111307

Ion Ratio Lower Upper

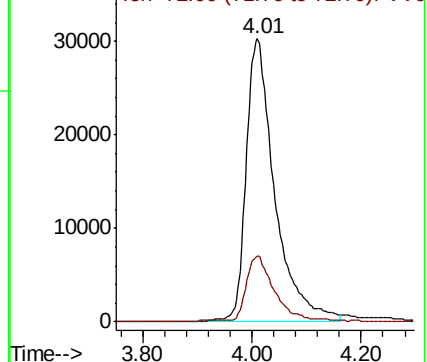
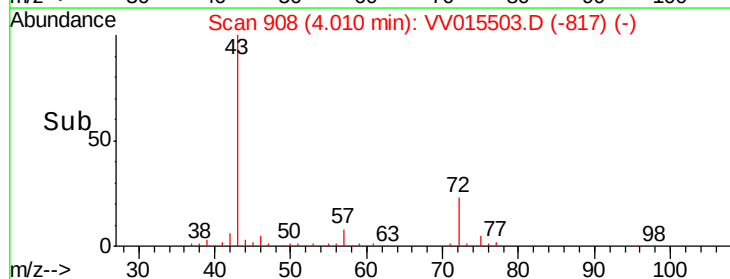
43 100

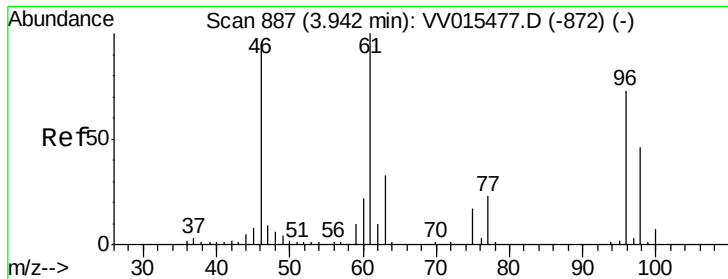
72 22.5 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV015503.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV015503.D (-817) (-)

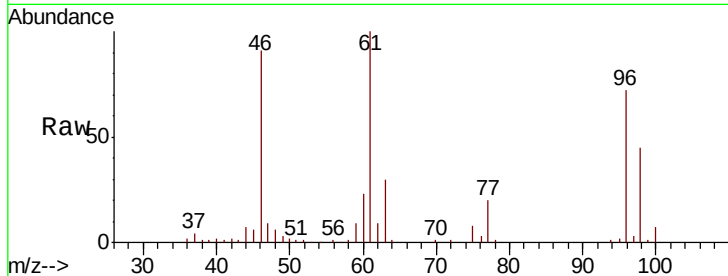




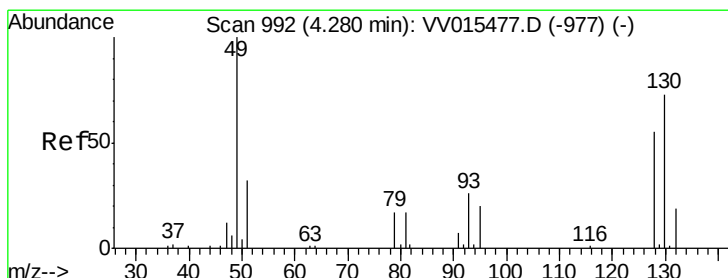
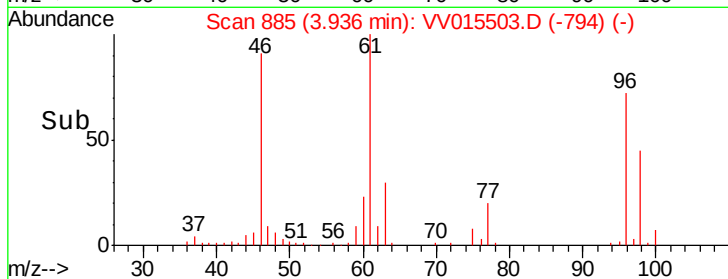
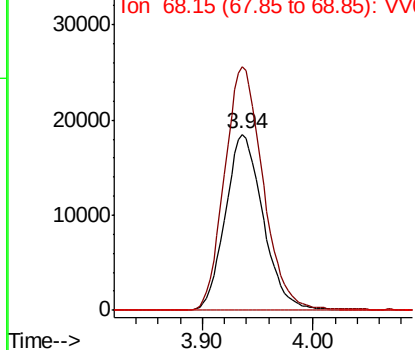
#22
 cis-1,2-Dichloroethene
 Concen: 5.160 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 43807
 Ion Ratio Lower Upper
 96 100
 61 138.4 100.0 185.8
 68 0.0 0.0 0.0

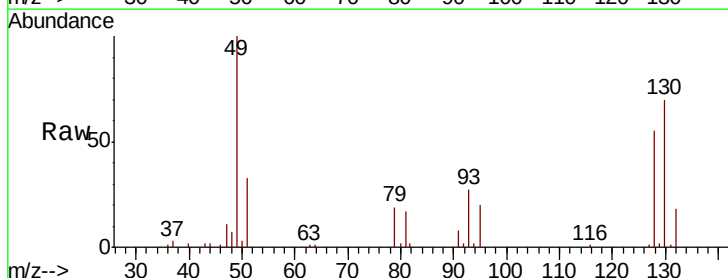


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

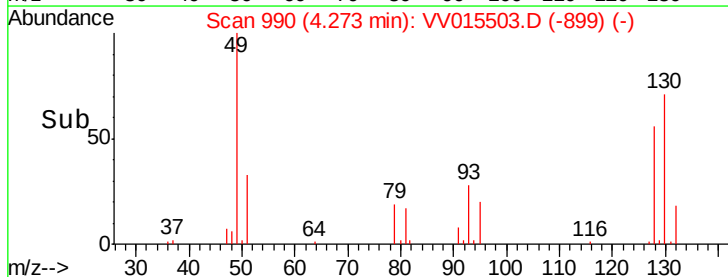
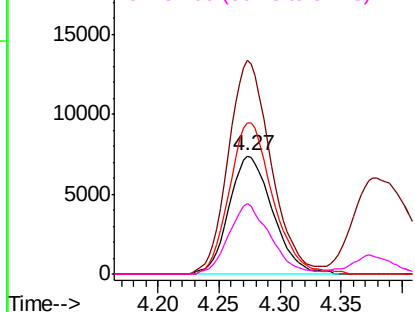


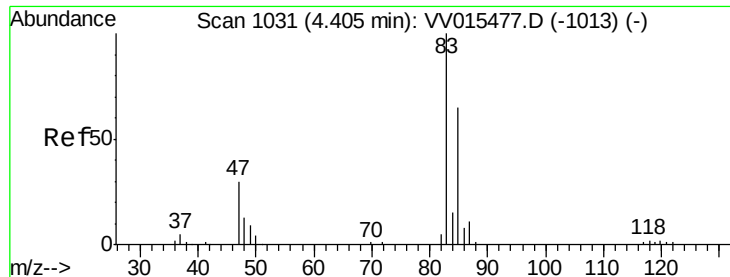
#23
 Bromochloromethane
 Concen: 5.165 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 128 Resp: 18246
 Ion Ratio Lower Upper
 128 100
 49 181.3 128.8 239.2
 130 127.7 93.5 173.7
 51 60.1 47.8 71.6



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

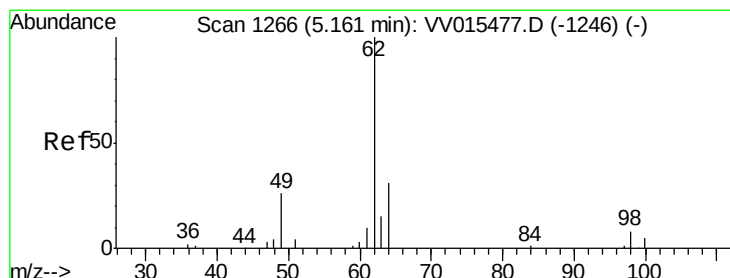
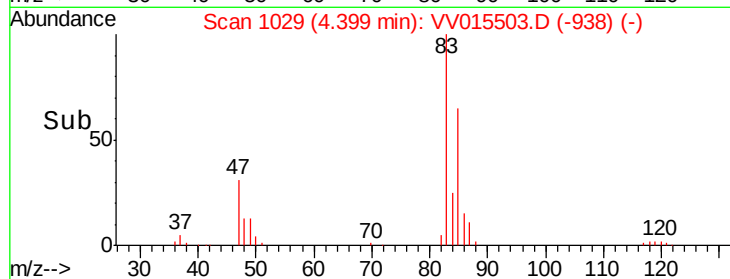
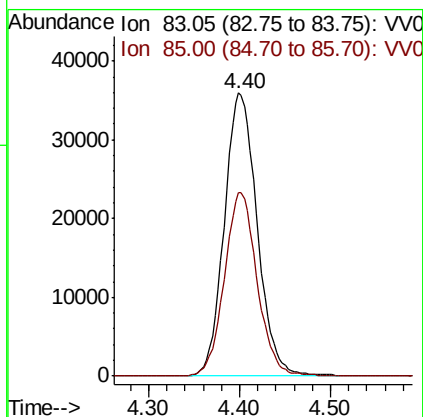
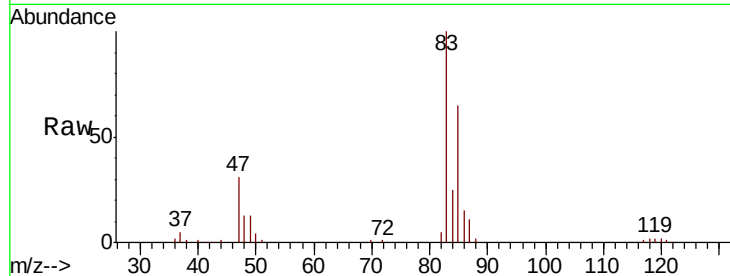




#25
Chloroform
Concen: 5.715 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

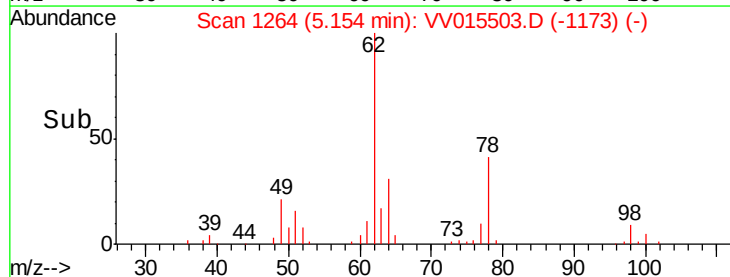
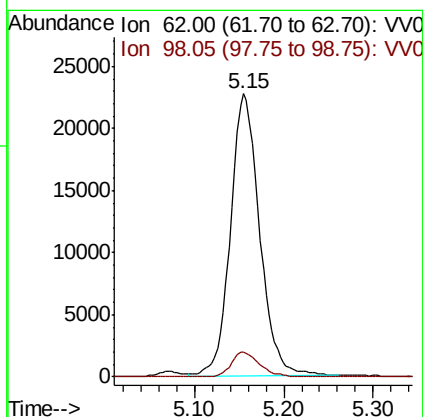
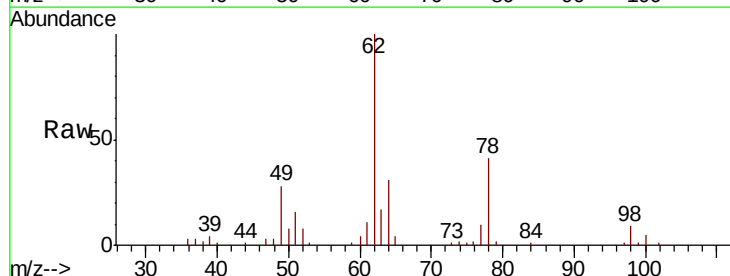
Instrument :
MSVOA_V
ClientSampleId :

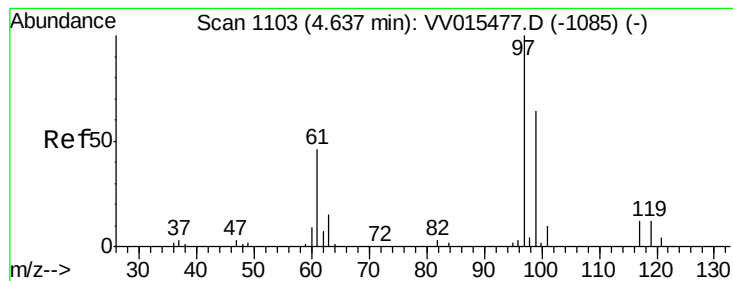
Tot Ion: 83 Resp: 90154
Ion Ratio Lower Upper
83 100
85 64.7 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.067 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Tgt Ion: 62 Resp: 51680
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.222 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

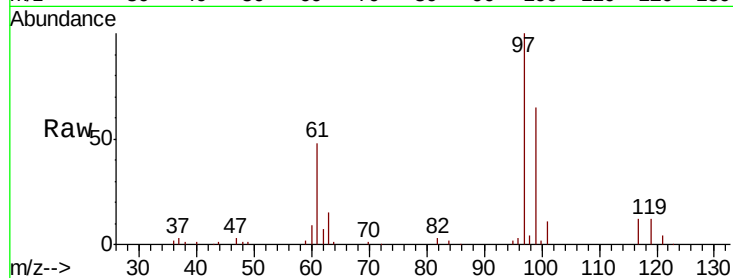
Tot Ion: 97 Resp: 74283

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

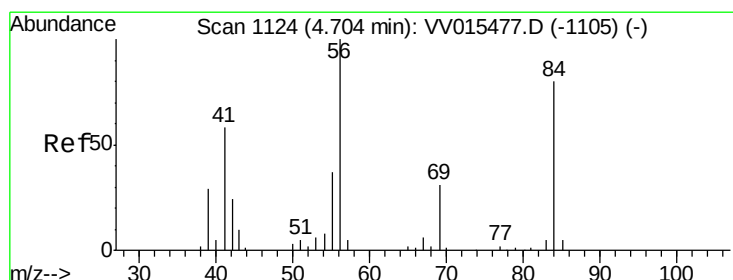
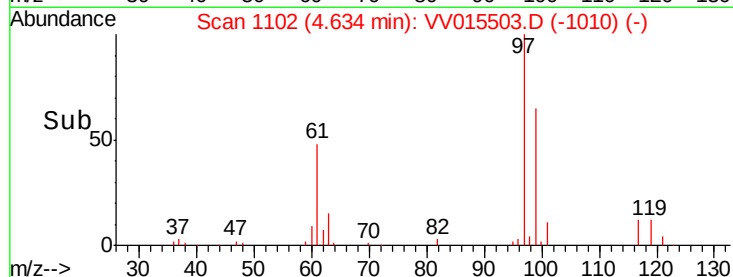
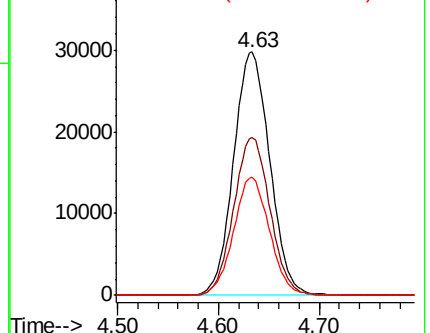
61 48.0 39.0 58.6



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: 4.877 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

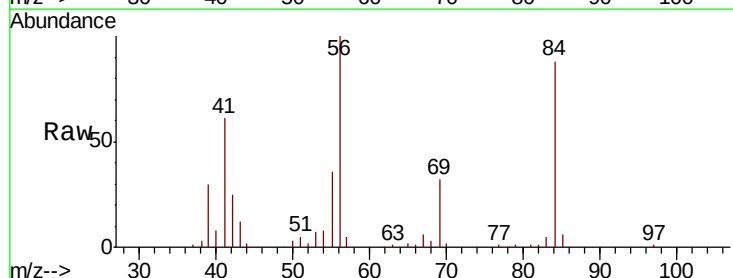
Tgt Ion: 56 Resp: 73653

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

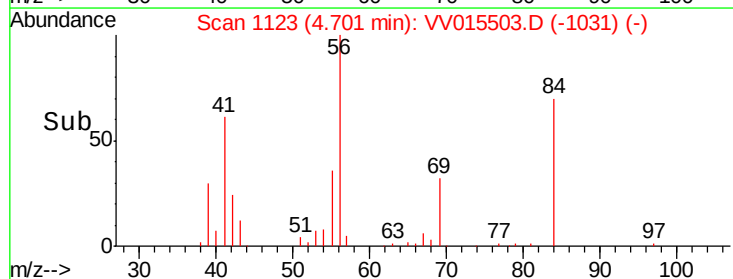
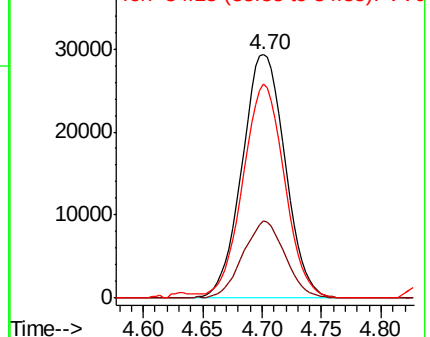
84 85.5 68.4 102.6

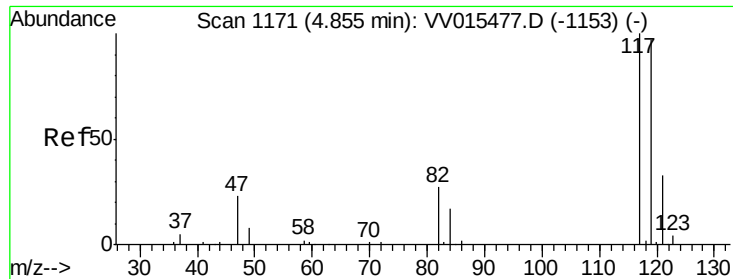


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.137 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

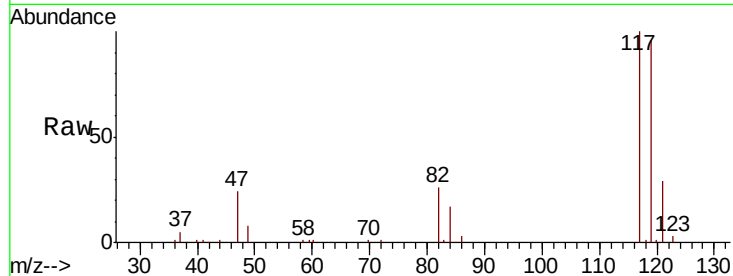
ClientSampleId :

Tot Ion:117 Resp: 63599

Ion Ratio Lower Upper

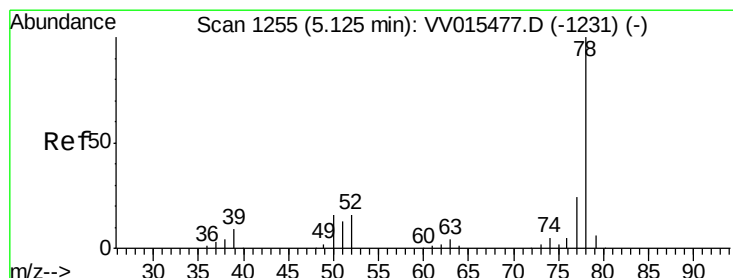
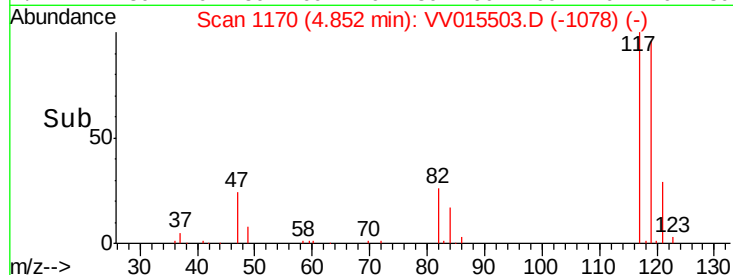
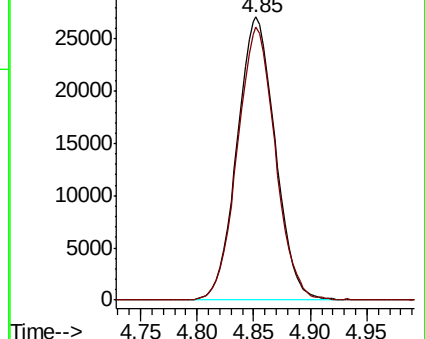
117 100

119 96.0 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.121 ug/L

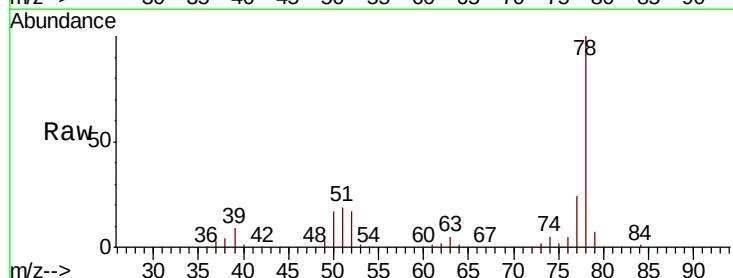
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

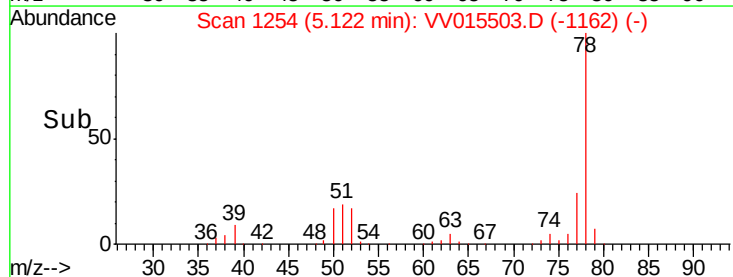
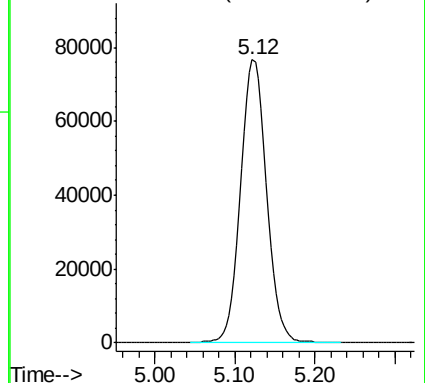
Lab File: VV015503.D

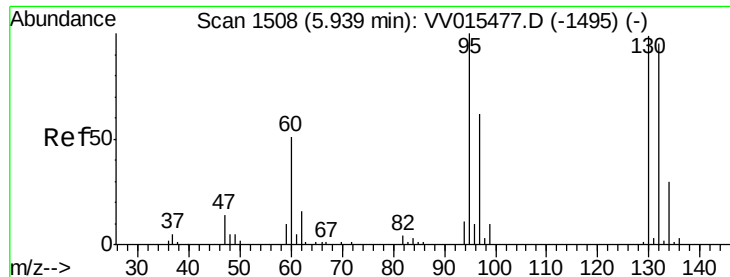
Acq: 15 Apr 2020 10:09

Tgt Ion: 78 Resp: 168019



Abundance Ion 78.10 (77.80 to 78.80): VV0

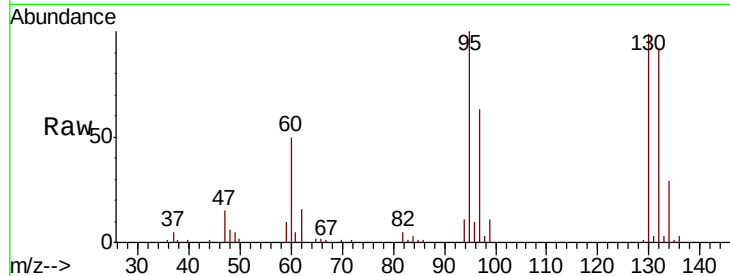




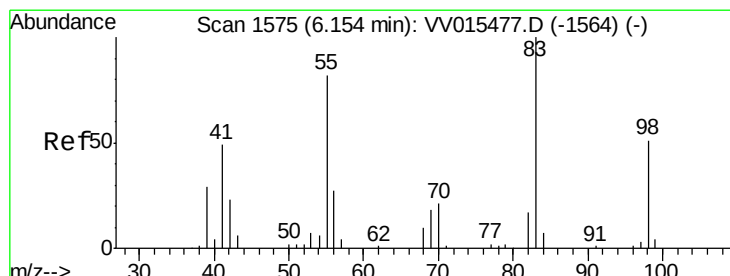
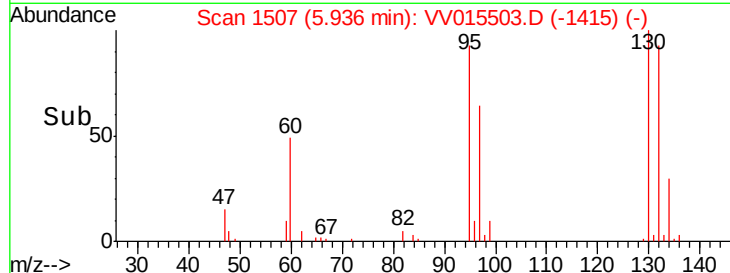
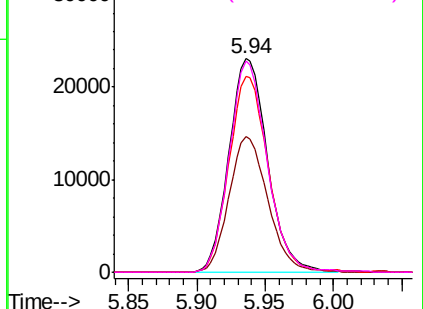
#34
 Trichloroethene
 Concen: 5.157 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 45542
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.4 84.4
 132 92.0 64.8 120.4
 130 98.8 67.4 125.2

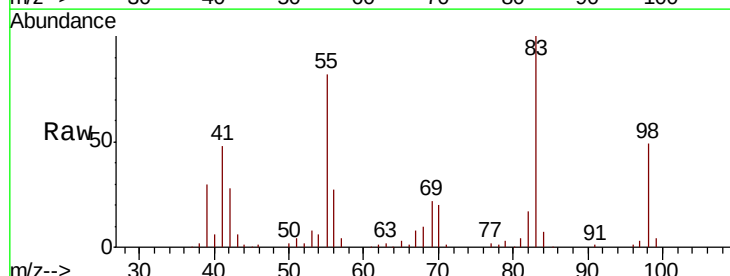


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

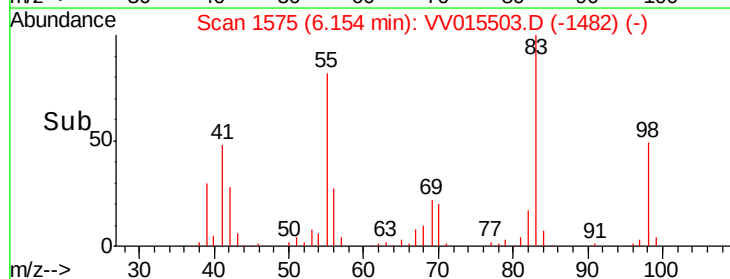
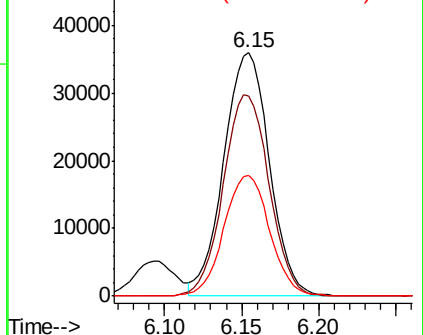


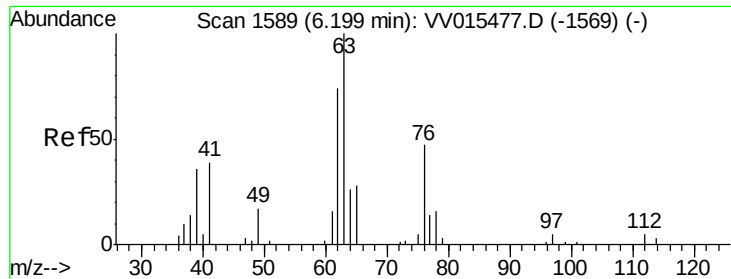
#35
 Methylcyclohexane
 Concen: 4.956 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 83 Resp: 73752
 Ion Ratio Lower Upper
 83 100
 55 83.0 66.6 99.8
 98 49.8 38.7 58.1



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

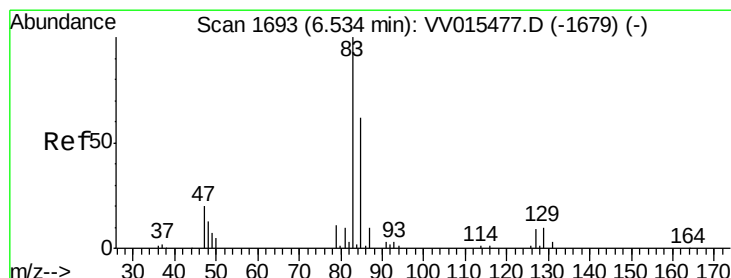
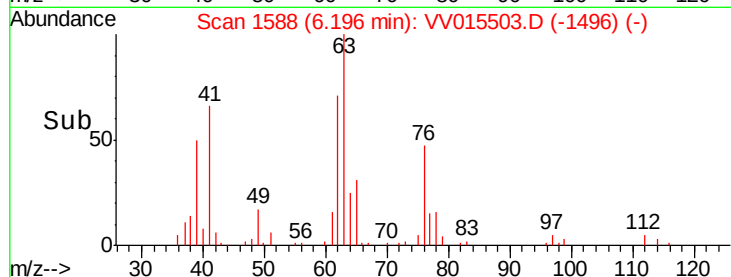
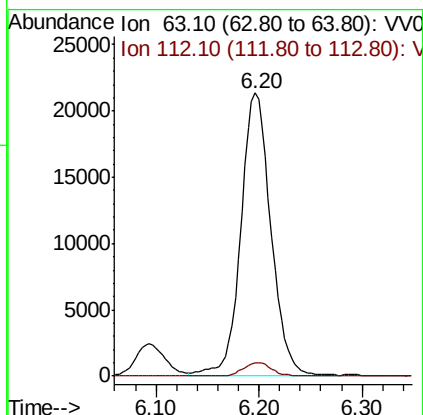
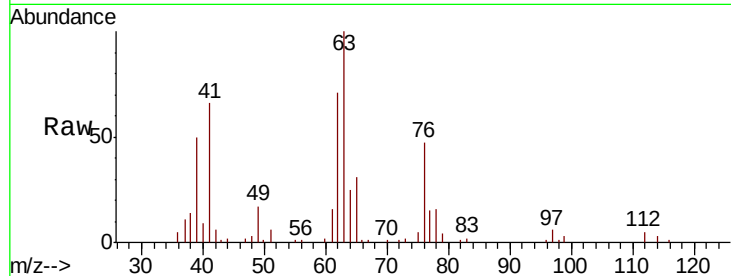




#37
 1,2-Dichloropropane
 Concen: 5.335 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

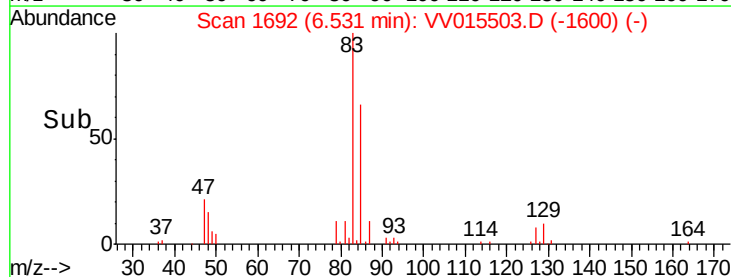
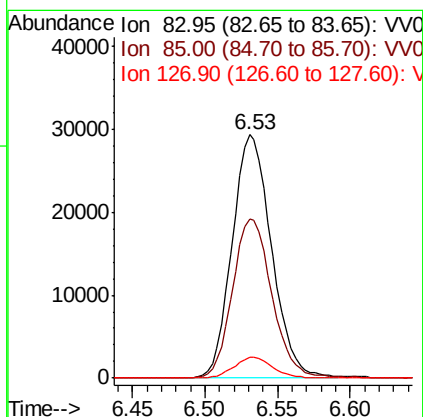
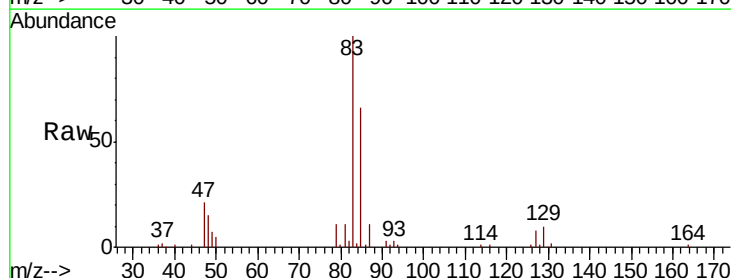
Instrument :
 MSVOA_V
 ClientSampled :

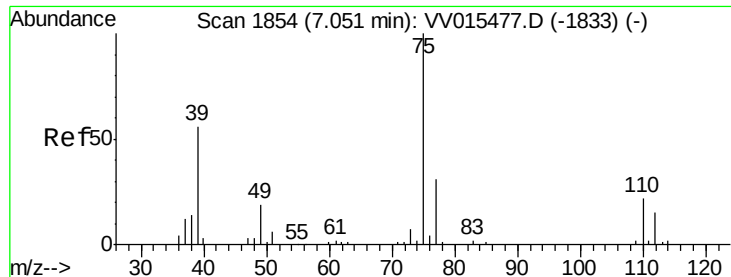
Tot Ion: 63 Resp: 43419
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.104 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 83 Resp: 55394
 Ion Ratio Lower Upper
 83 100
 85 65.6 42.6 79.2
 127 8.4 6.6 9.8

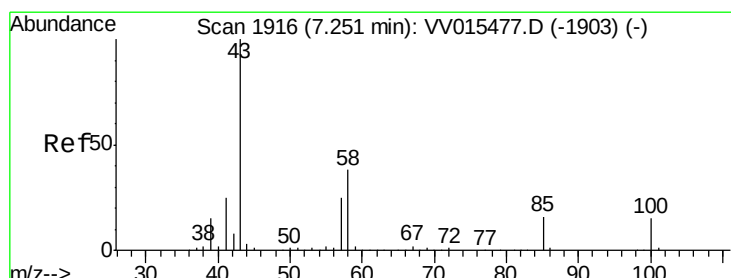
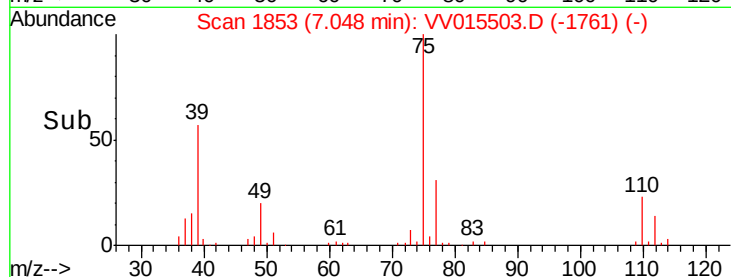
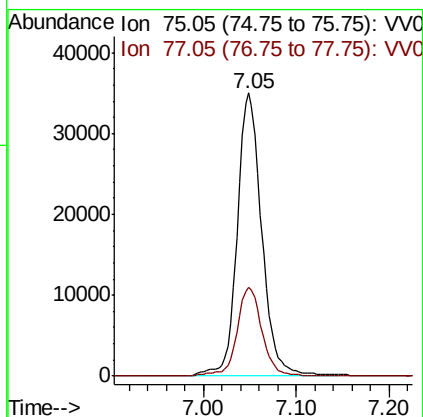
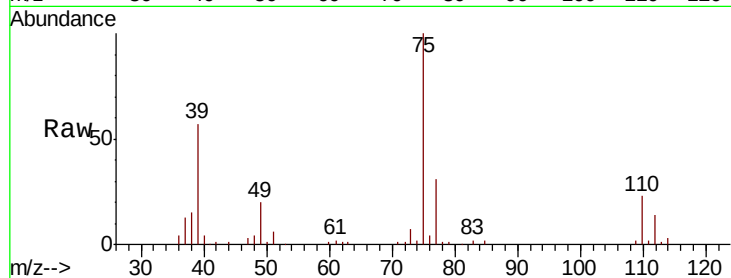




#39
 cis-1,3-Dichloropropene
 Concen: 5.153 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

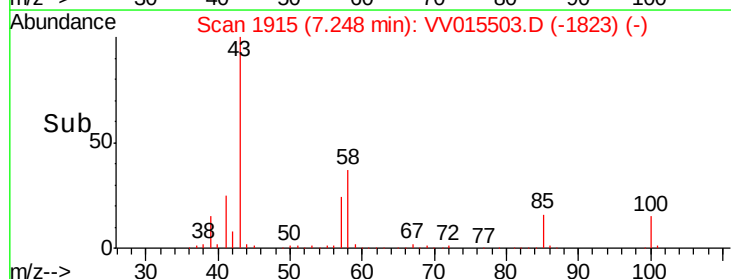
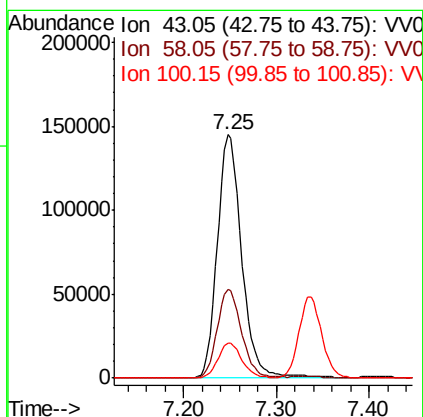
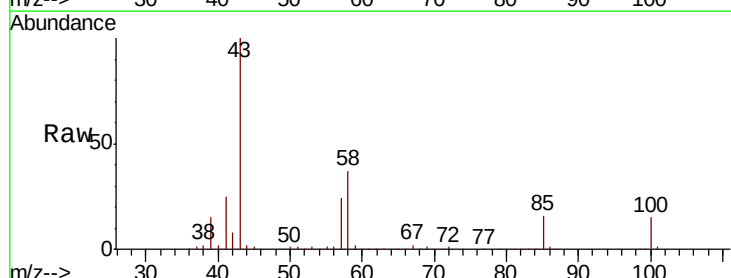
Instrument :
 MSVOA_V
 ClientSampled :

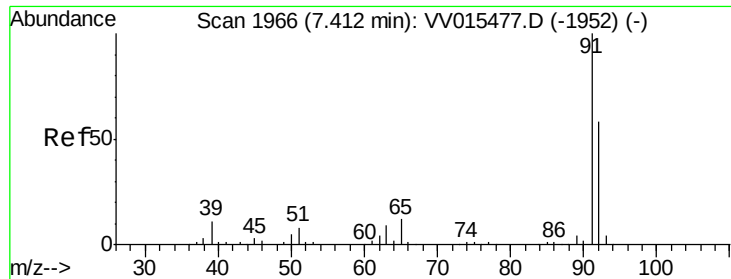
Tot Ion: 75 Resp: 64349
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 49.527 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 43 Resp: 264664
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.0 43.6
 100 14.3 11.0 16.6





#42

Toluene

Concen: 5.167 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

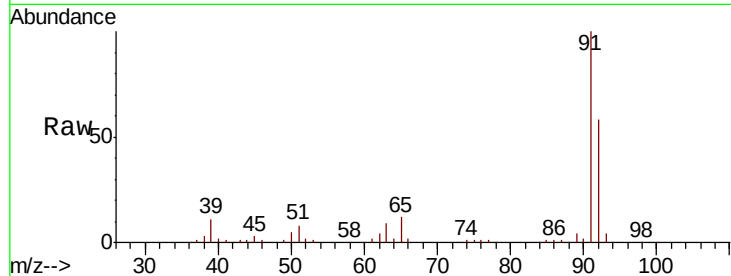
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 184064

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015477.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV015477.D (-1952) (-)

7.41

120000

100000

80000

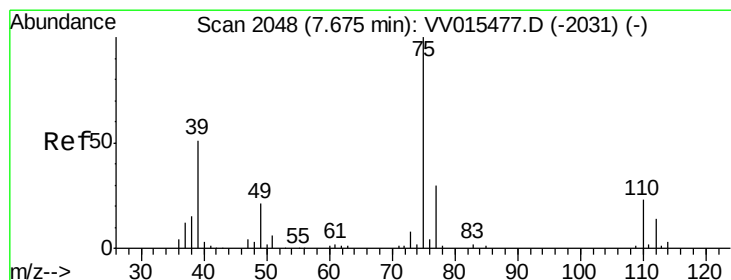
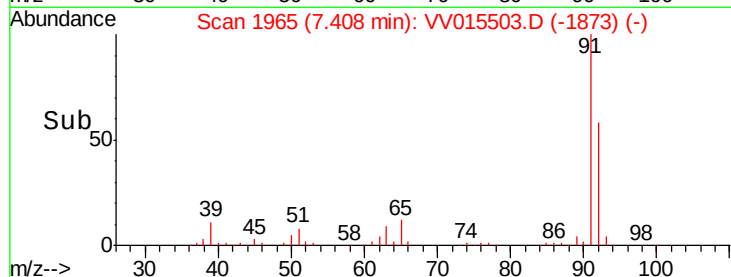
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.211 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015503.D

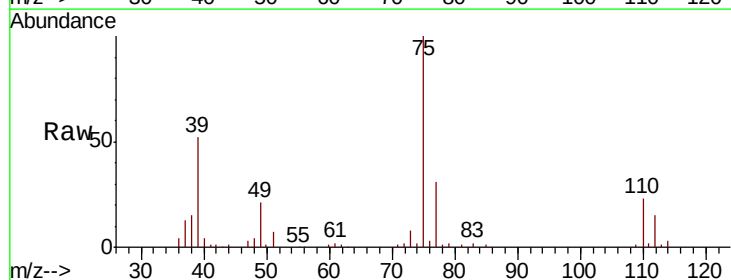
Acq: 15 Apr 2020 10:09

Tgt Ion: 75 Resp: 55036

Ion Ratio Lower Upper

75 100

77 30.7 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015477.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV015477.D (-2031) (-)

7.67

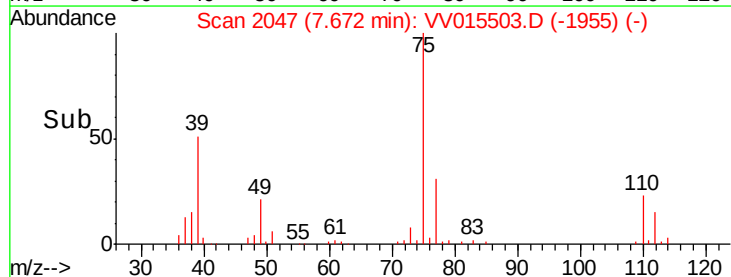
30000

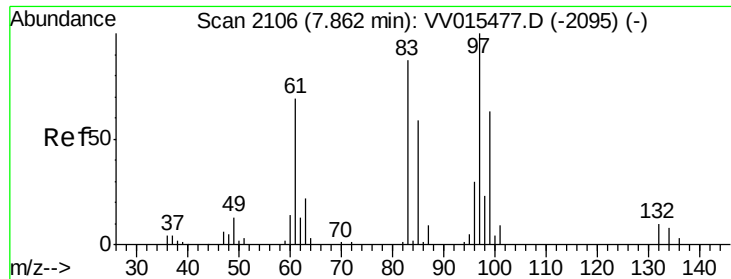
20000

10000

0

Time--> 7.60 7.70 7.80

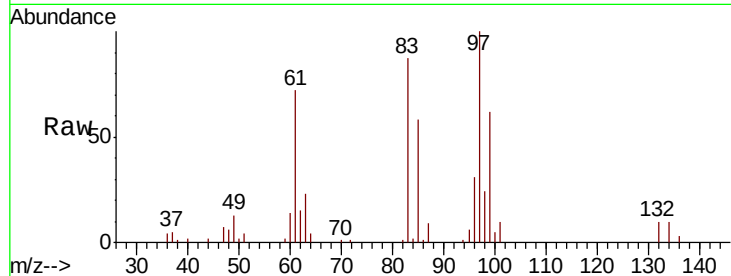




#45
1,1,2-Trichloroethane
Concen: 5.101 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	27905
Ion	Ratio	Lower	Upper
97	100		
99	61.6	41.3	76.7
83	86.8	60.5	112.3
85	57.7	36.8	68.4



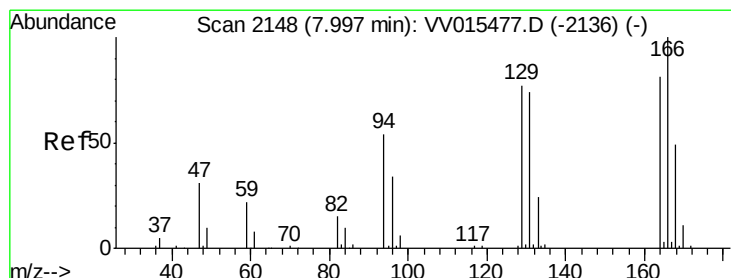
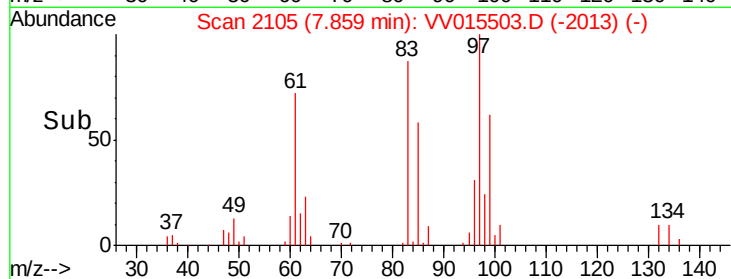
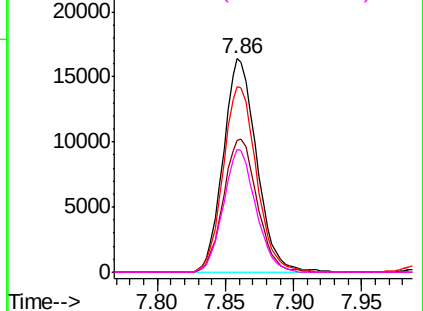
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

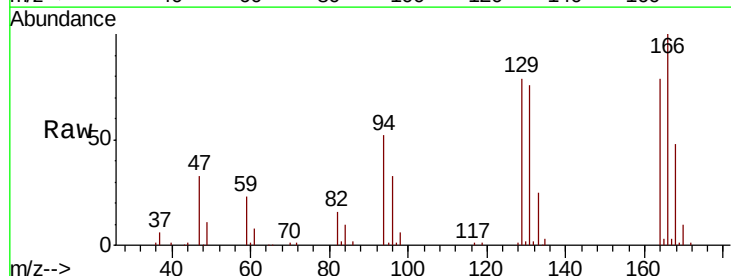
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
Tetrachloroethene
Concen: 5.288 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Tgt Ion:	164	Resp:	34603
Ion	Ratio	Lower	Upper
164	100		
129	99.2	70.6	131.0
131	95.6	68.3	126.8
166	126.4	88.3	163.9



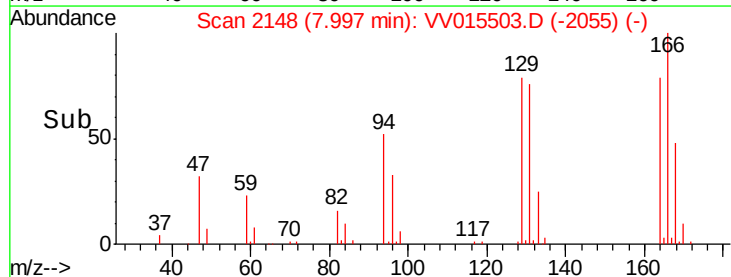
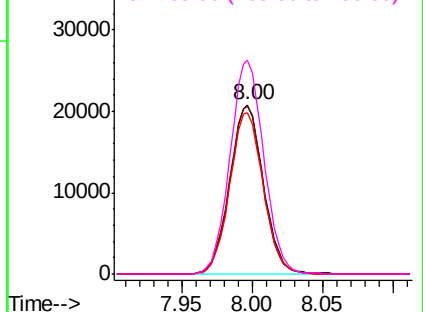
Abundance

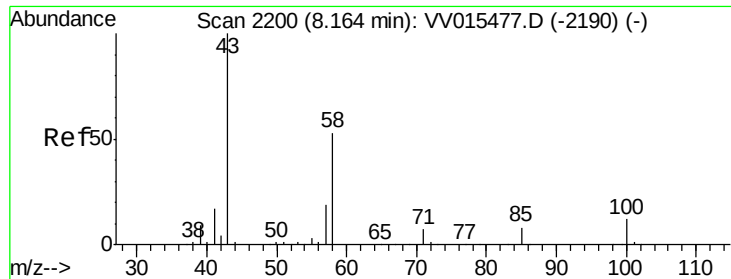
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

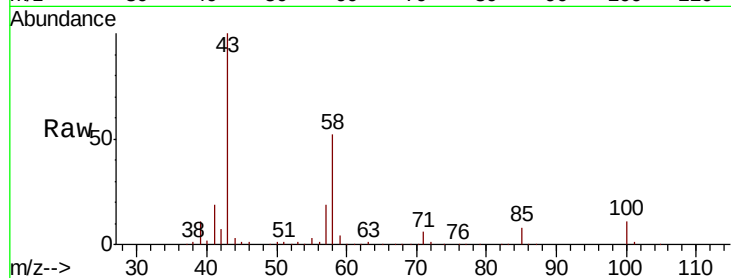




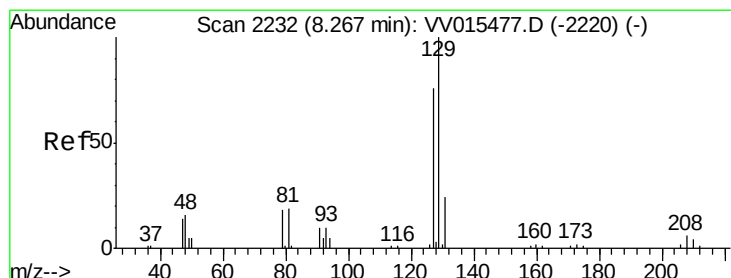
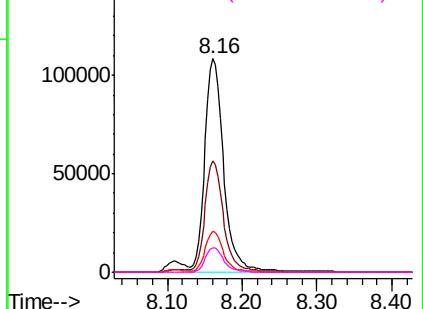
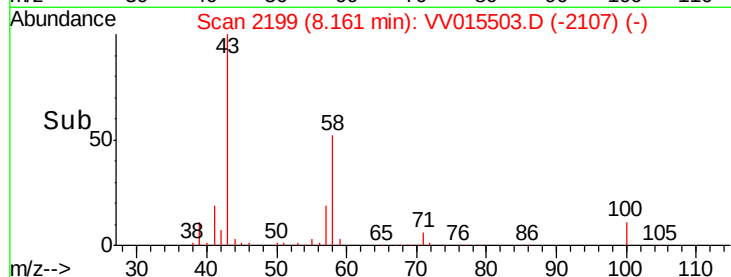
#48
2-Hexanone
Concen: 51.112 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 190840
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.0
57 18.4 15.0 22.4
100 11.2 9.4 14.2

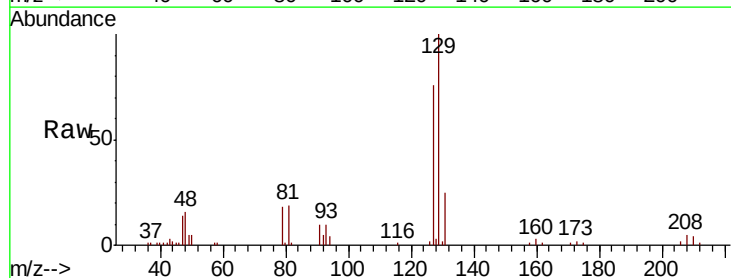


Abundance Ion 43.05 (42.75 to 43.75): VV015503.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV015503.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV015503.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV015503.D (-2197) (-)

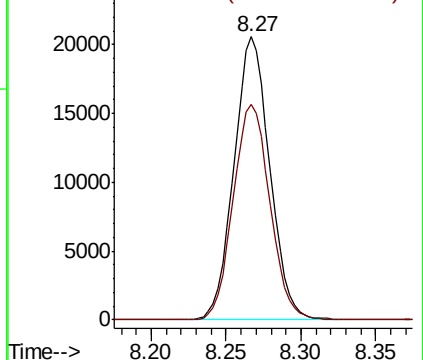
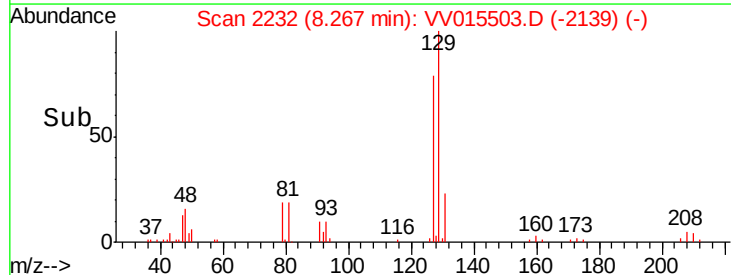


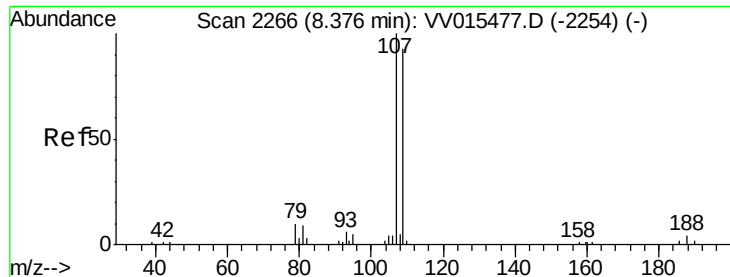
#49
Dibromochloromethane
Concen: 5.221 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Tgt Ion: 129 Resp: 34210
Ion Ratio Lower Upper
129 100
127 76.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015503.D (-2239) (-)
Ion 126.90 (126.60 to 127.60): VV015503.D (-2239) (-)

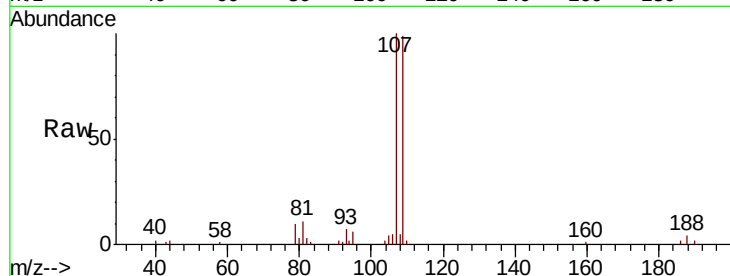




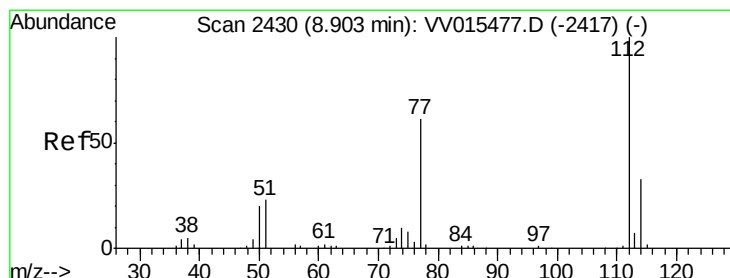
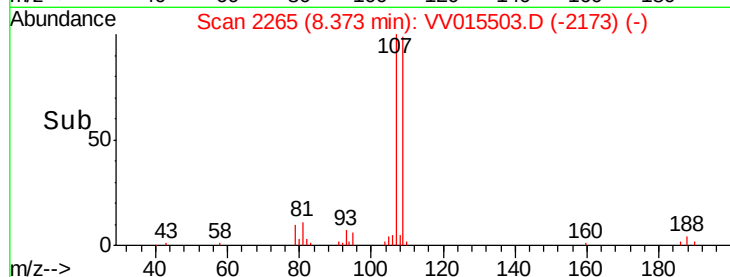
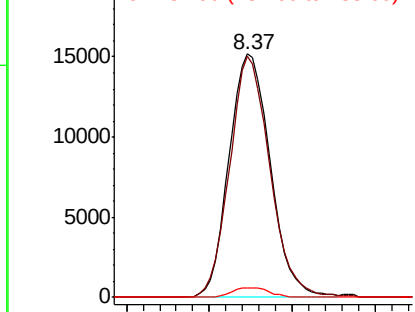
#50
 1,2-Dibromoethane
 Concen: 5.018 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 26310
 Ion Ratio Lower Upper
 107 100
 109 98.8 66.7 123.9
 188 3.9 2.9 4.3

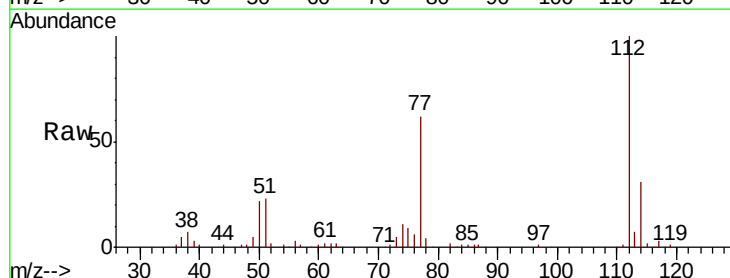


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

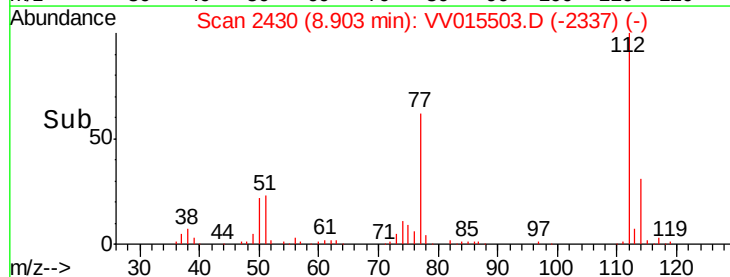
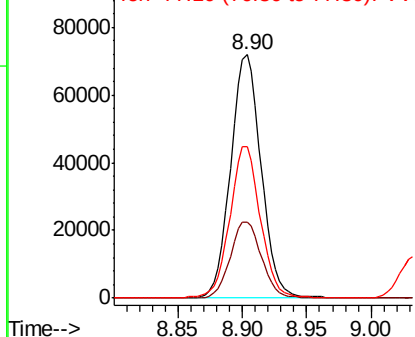


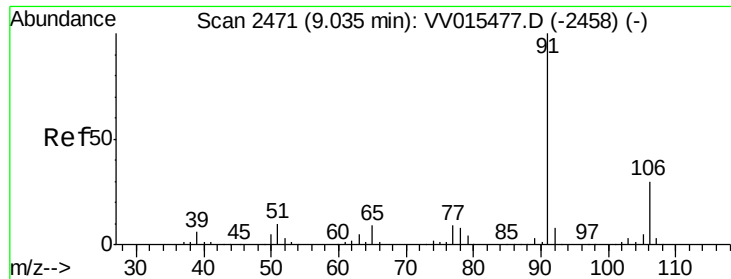
#51
 Chlorobenzene
 Concen: 5.201 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion:112 Resp: 118102
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.9 42.5
 77 62.4 49.8 74.8



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: 5.247 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

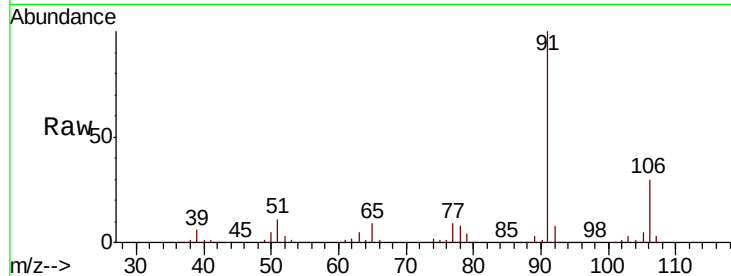
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 215180

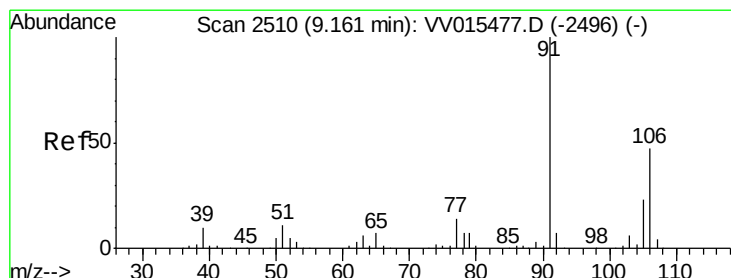
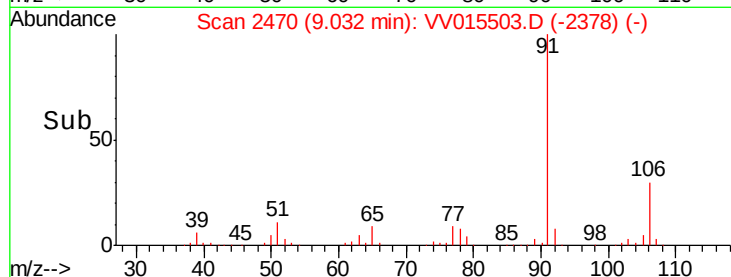
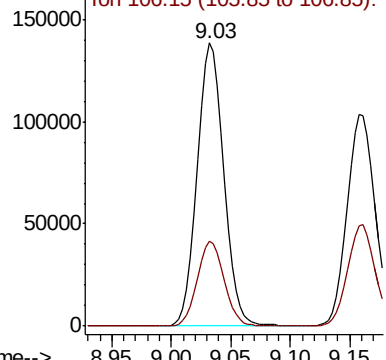
Ion Ratio Lower Upper

91 100

106 29.9 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015503.D (-2378) (-)



#53

m,p-xylene

Concen: 5.192 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015503.D

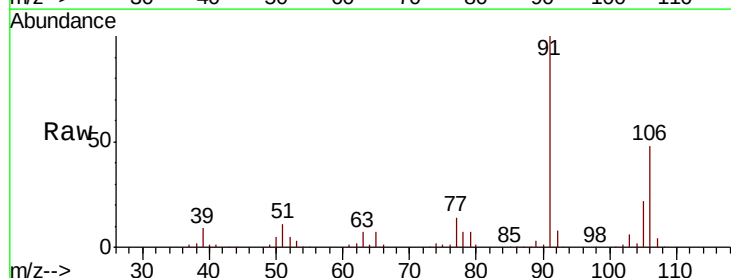
Acq: 15 Apr 2020 10:09

Tgt Ion:106 Resp: 80404

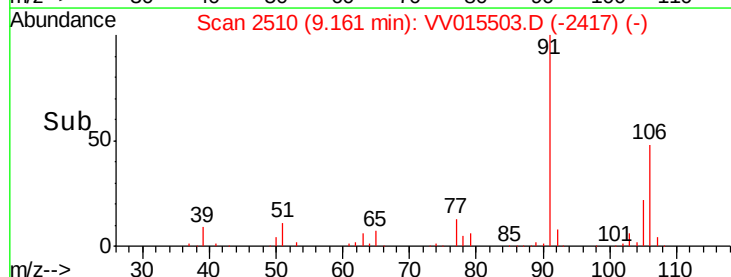
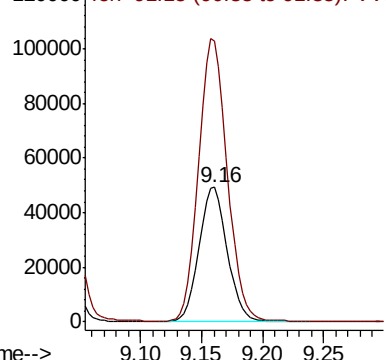
Ion Ratio Lower Upper

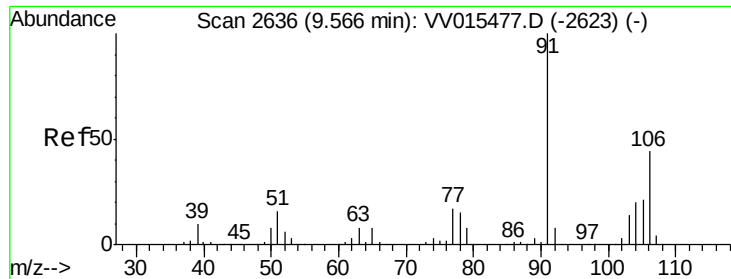
106 100

91 208.6 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015503.D (-2417) (-)

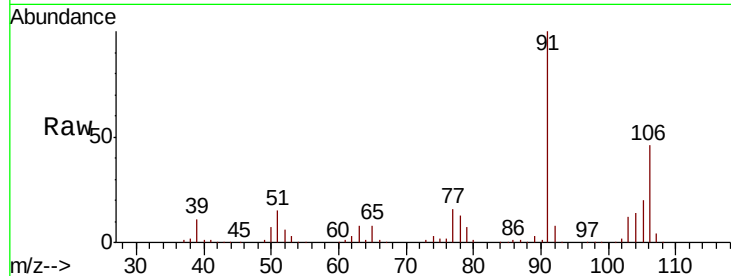




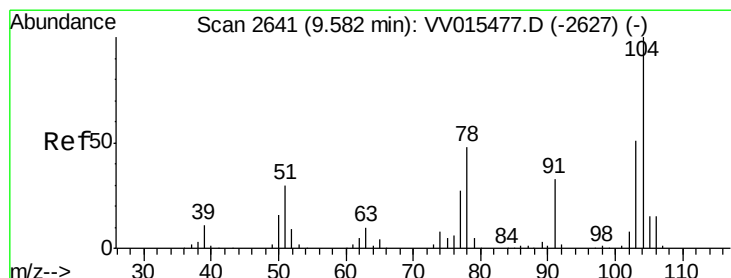
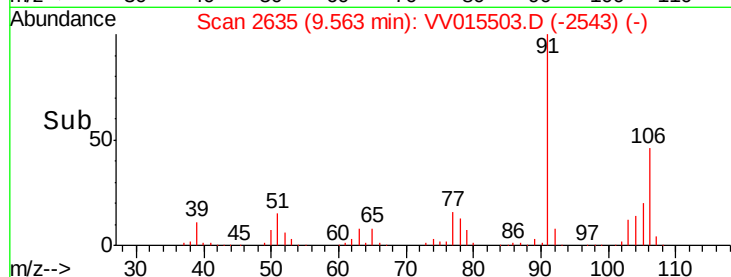
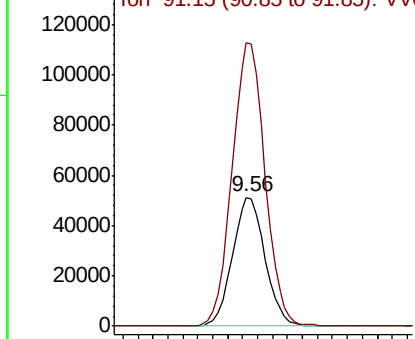
#54
o-xylene
Concen: 5.171 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 77509
Ion Ratio Lower Upper
106 100
91 219.6 154.5 286.9

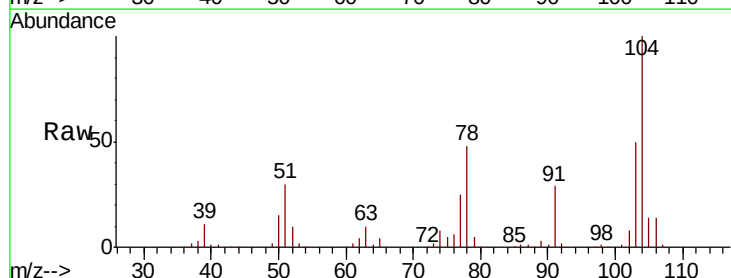


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

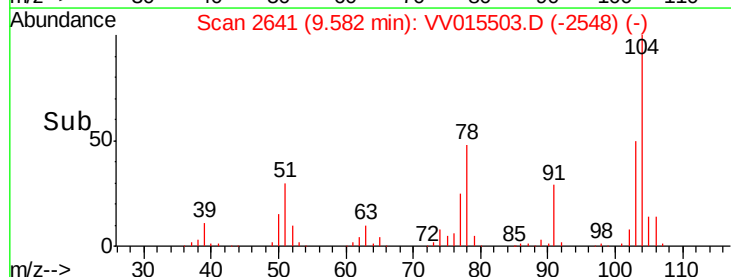
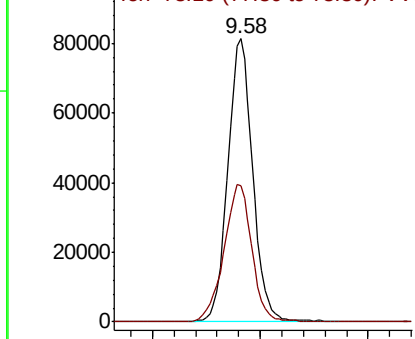


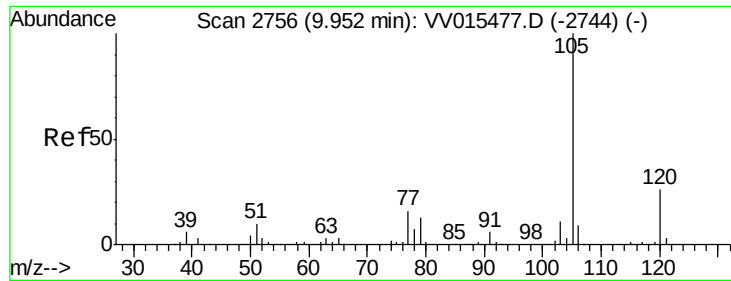
#55
Styrene
Concen: 5.195 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015503.D
Acq: 15 Apr 2020 10:09

Tgt Ion:104 Resp: 130893
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.219 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

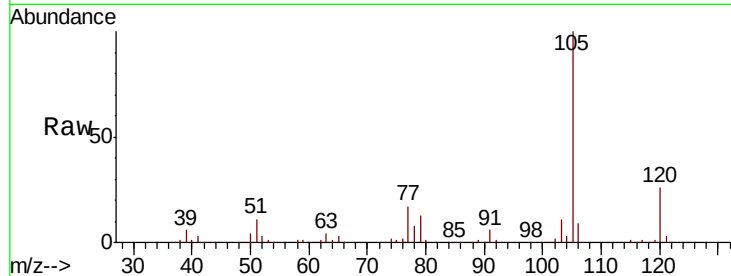
Tot Ion:105 Resp: 214498

Ion Ratio Lower Upper

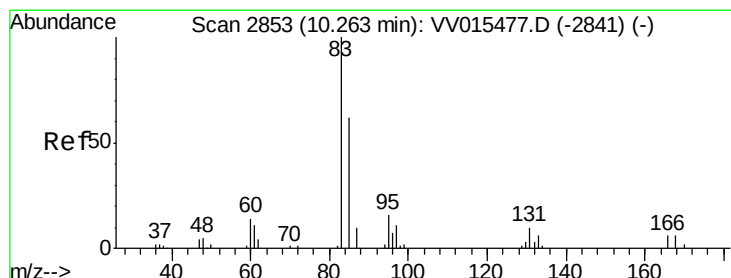
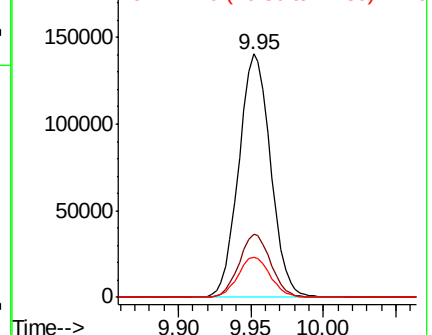
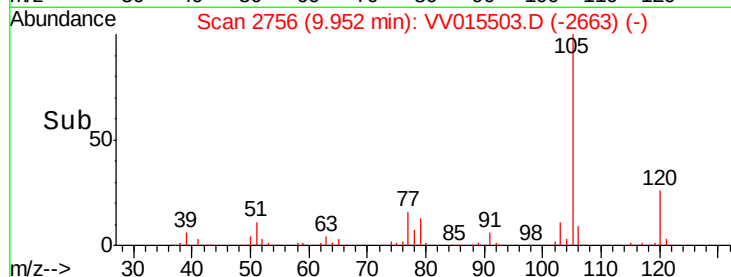
105 100

120 25.8 20.7 31.1

77 16.6 13.5 20.3



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: 5.093 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

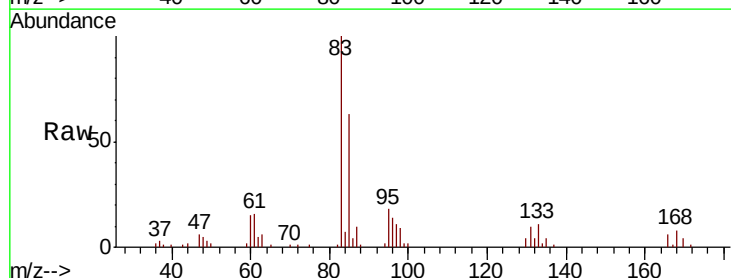
Tgt Ion: 83 Resp: 33907

Ion Ratio Lower Upper

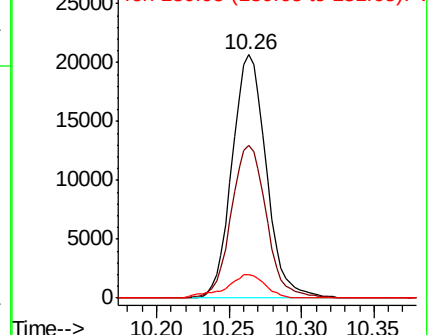
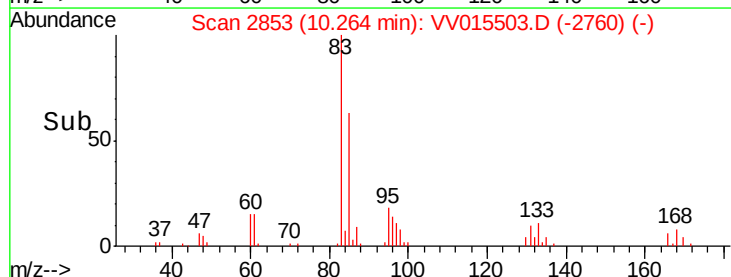
83 100

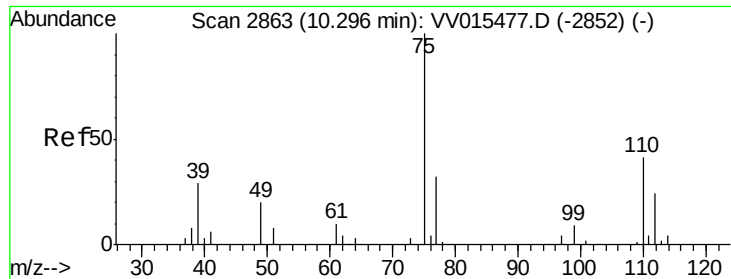
85 62.7 44.5 82.7

131 9.8 7.5 11.3



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: 4.961 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

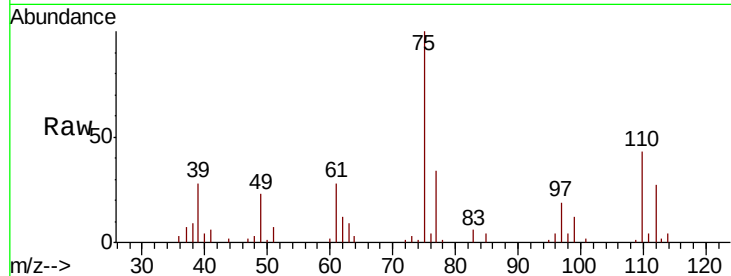
ClientSampleId :

Tot Ion: 75 Resp: 24964

Ion Ratio Lower Upper

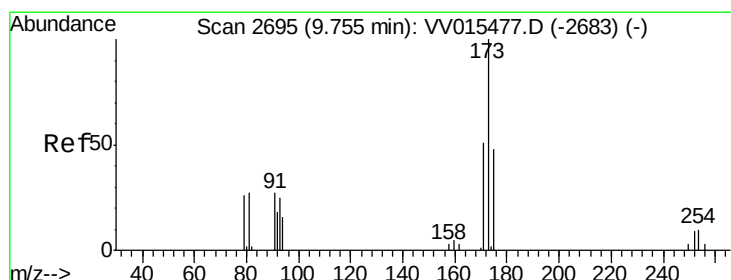
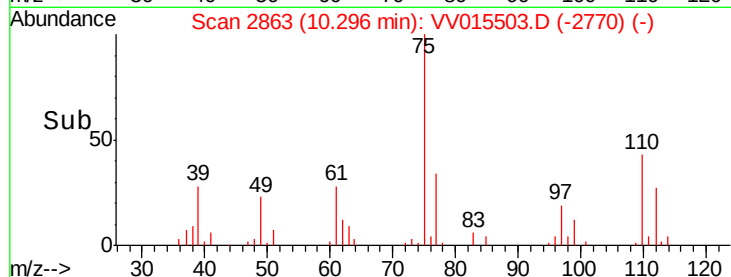
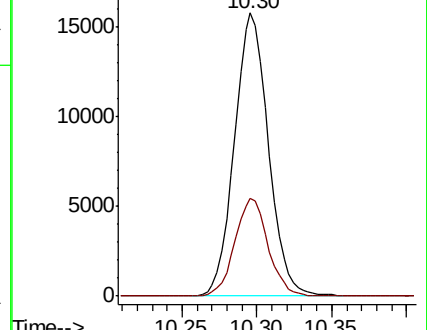
75 100

77 33.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015503.D (-2770) (-)

Ion 77.00 (76.70 to 77.70): VV015503.D (-2770) (-)



#61

Bromoform

Concen: 5.072 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

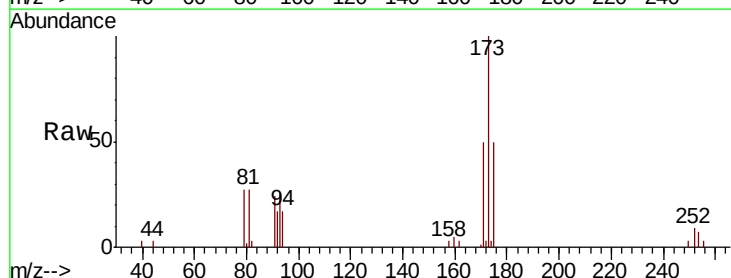
Tgt Ion:173 Resp: 16723

Ion Ratio Lower Upper

173 100

175 49.7 38.2 57.2

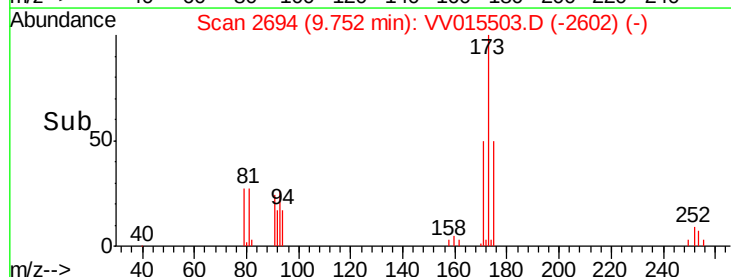
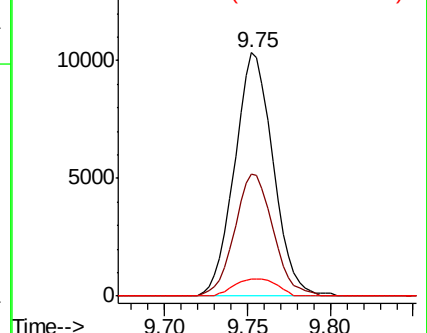
254 7.8 6.6 10.0

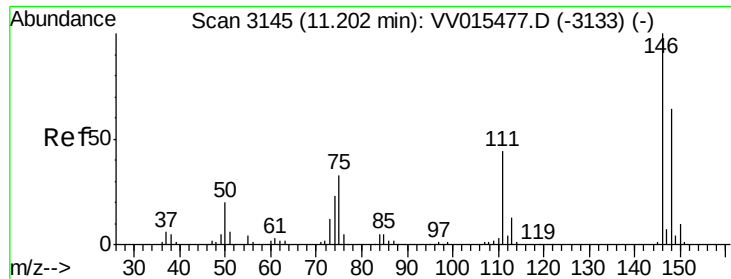


Abundance Ion 172.90 (172.60 to 173.60): VV015503.D (-2602) (-)

Ion 174.90 (174.60 to 175.60): VV015503.D (-2602) (-)

Ion 253.75 (253.45 to 254.45): VV015503.D (-2602) (-)

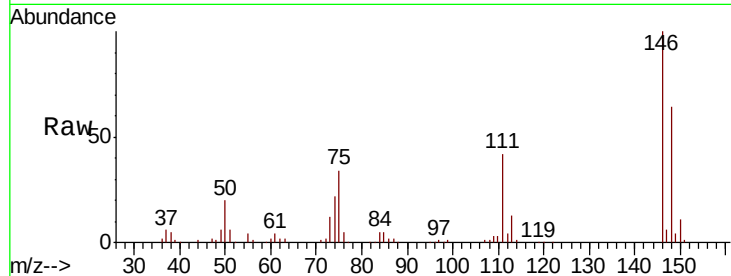




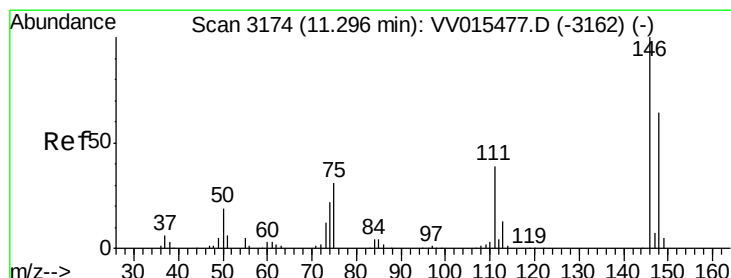
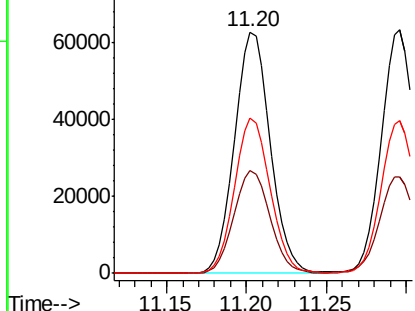
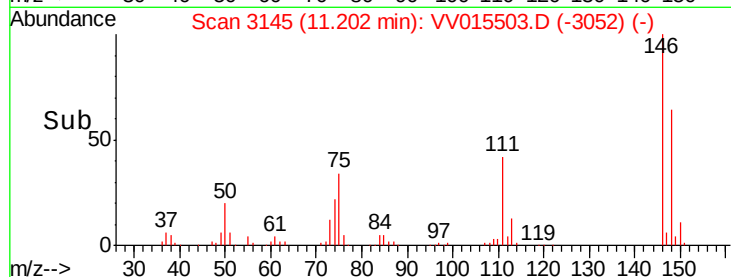
#62
 1,3-Dichlorobenzene
 Concen: 5.277 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 95649
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.3 54.5
 148 64.1 42.4 78.6

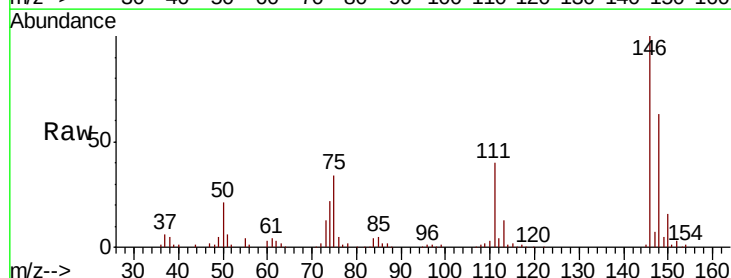


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

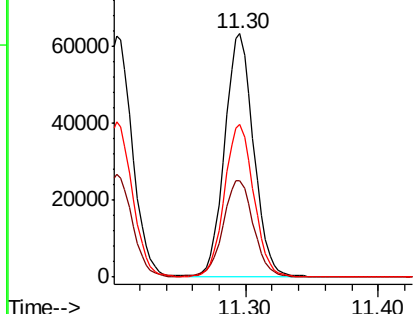
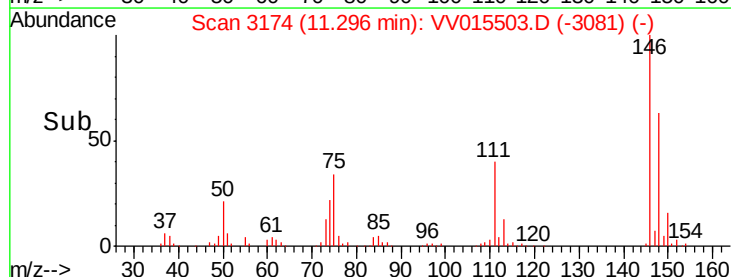


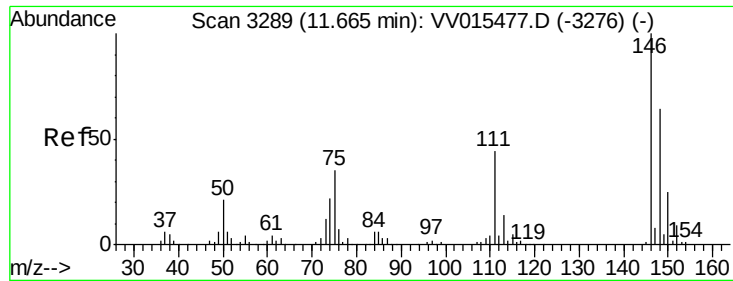
#63
 1,4-Dichlorobenzene
 Concen: 5.200 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion:146 Resp: 95901
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.4 54.6
 148 62.5 44.3 82.3



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

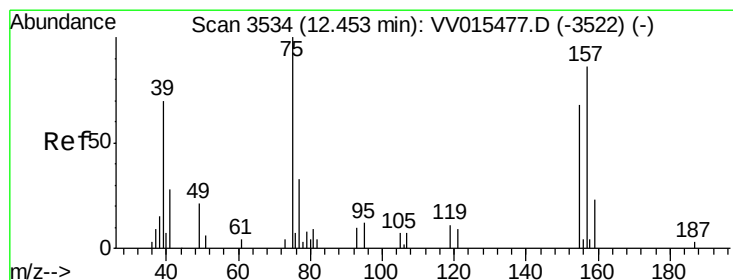
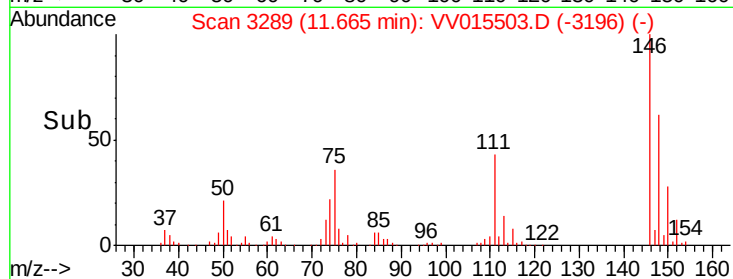
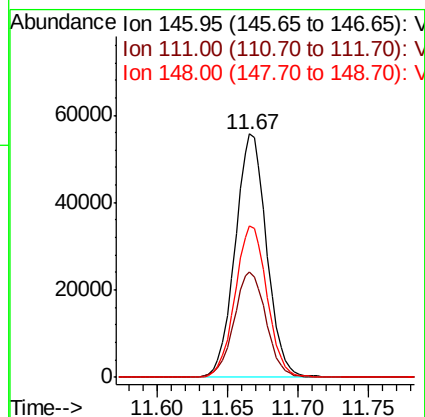
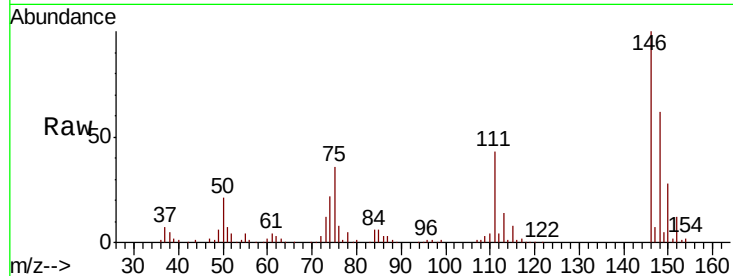




#65
 1,2-Dichlorobenzene
 Concen: 5.275 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

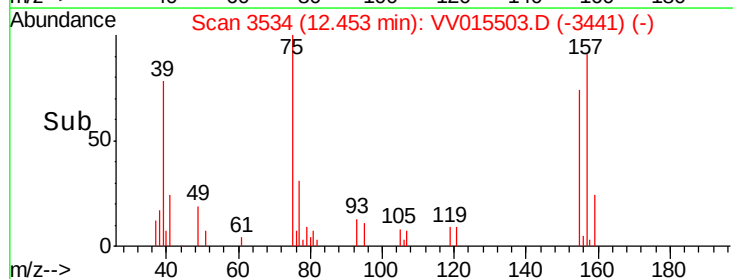
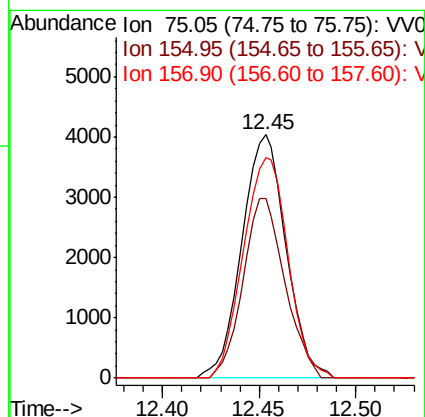
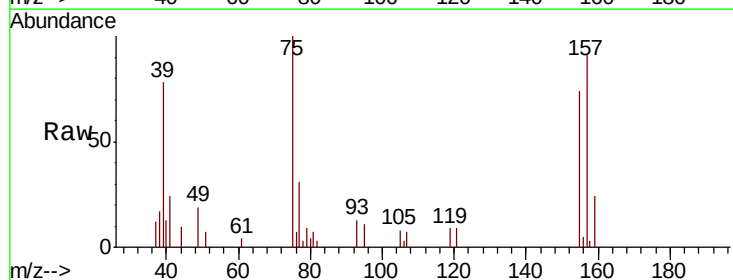
Instrument :
 MSVOA_V
 ClientSampleId :

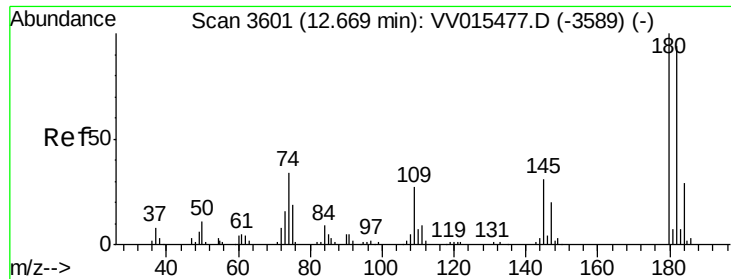
Tot Ion:146 Resp: 87171
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.8 53.6
 148 62.2 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.077 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion: 75 Resp: 6420
 Ion Ratio Lower Upper
 75 100
 155 73.6 60.8 91.2
 157 90.7 75.7 113.5

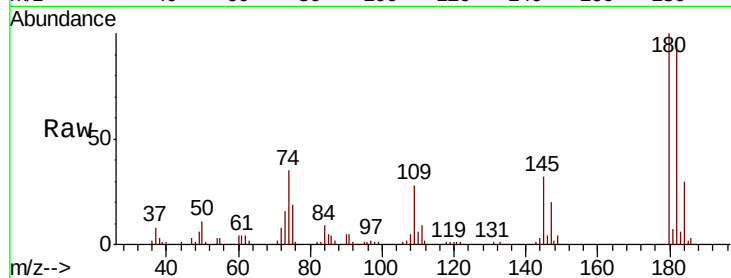




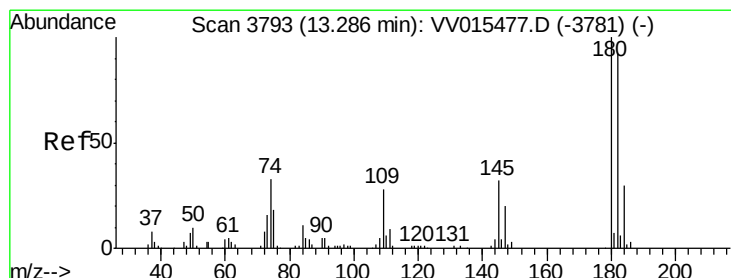
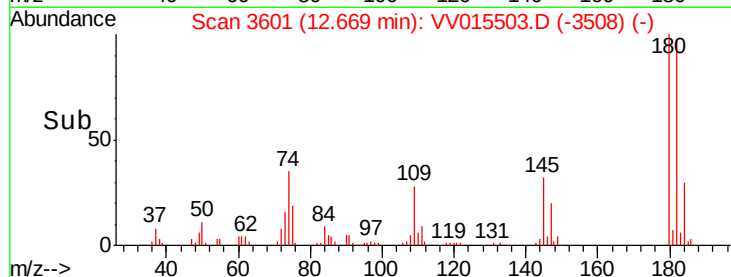
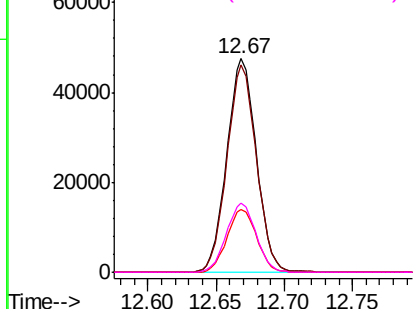
#67
 1,3,5-Trichlorobenzene
 Concen: 5.453 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 71419
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.9 115.3
 184 29.7 24.0 36.0
 145 32.3 26.1 39.1

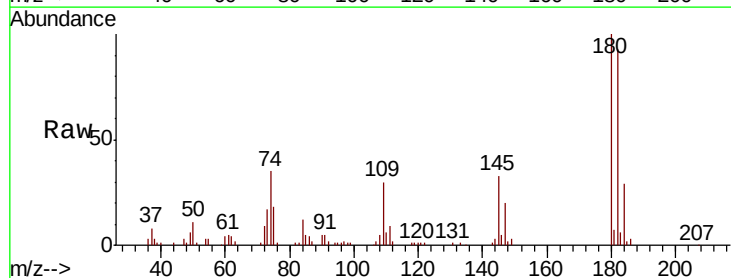


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

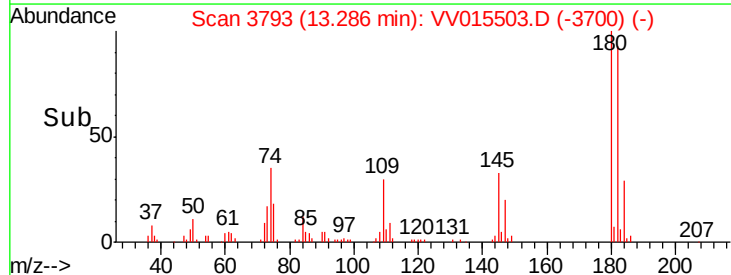
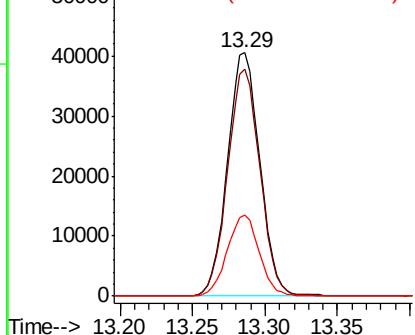


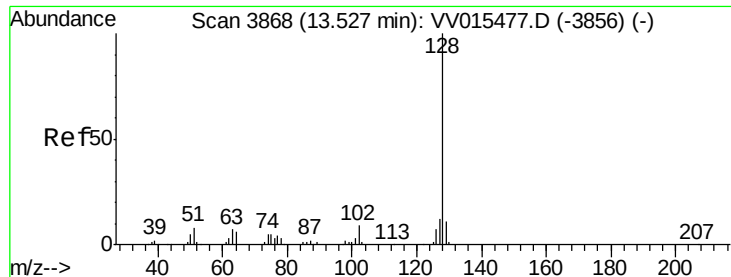
#68
 1,2,4-trichlorobenzene
 Concen: 5.299 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015503.D
 Acq: 15 Apr 2020 10:09

Tgt Ion:180 Resp: 62519
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.6 115.0
 145 32.8 25.9 38.9



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: 4.678 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

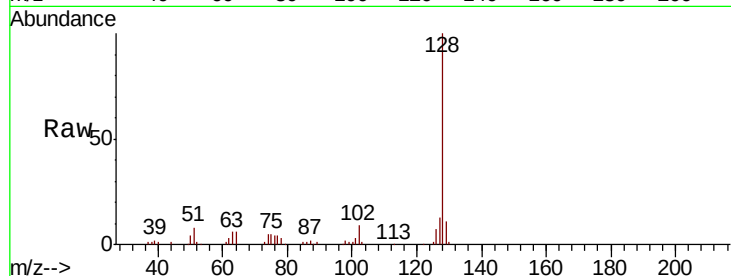
Tot Ion:128 Resp: 103987

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

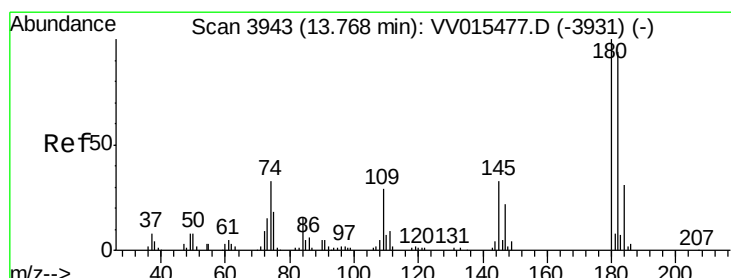
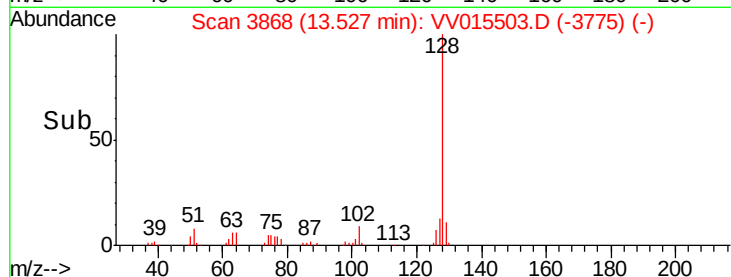
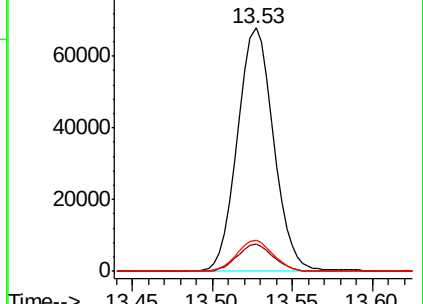
127 12.7 10.4 15.6



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: 5.147 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015503.D

Acq: 15 Apr 2020 10:09

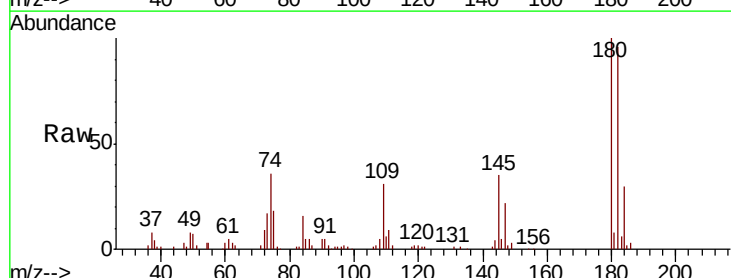
Tgt Ion:180 Resp: 53639

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 34.7 28.2 42.2



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

