

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015526.D
 Acq On : 16 Apr 2020 10:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 14:00:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	110399	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	103728	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52497	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31126	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.58	69	27597	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.12	63	62875	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.20%
20) 2-Butanone-d5	3.93	46	82540	51.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	4.37	84	65091	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.06	65	34165	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.07	84	123501	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.09	67	36571	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.33	98	113552	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	7.64	79	16312	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.11	63	65866	43.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26340	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	41067	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	53335	4.881 ug/L	99
3) Chloromethane	1.25	50	50208	4.825 ug/L	98
5) Vinyl chloride	1.32	62	46756	4.666 ug/L	97
6) Bromomethane	1.53	94	25699	4.641 ug/L	100
8) Chloroethane	1.59	64	29122	5.011 ug/L	99
9) Trichlorofluoromethane	1.76	101	65040	5.073 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37617	5.195 ug/L	99
12) 1,1-Dichloroethene	2.13	96	33971	4.902 ug/L	93
13) Acetone	2.21	43	67616	59.504 ug/L #	53
14) Carbon disulfide	2.31	76	106837	4.422 ug/L	99
15) Methyl Acetate	2.46	43	14827	4.410 ug/L	94
16) Methylene chloride	2.52	84	37128	4.573 ug/L	98
17) Methyl tert-butyl Ether	2.78	73	92185	4.977 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	38465	4.925 ug/L	96
19) 1,1-Dichloroethane	3.21	63	74266	5.045 ug/L	98
21) 2-Butanone	4.01	43	106337	57.908 ug/L #	76
22) cis-1,2-Dichloroethene	3.94	96	40343	4.976 ug/L	99

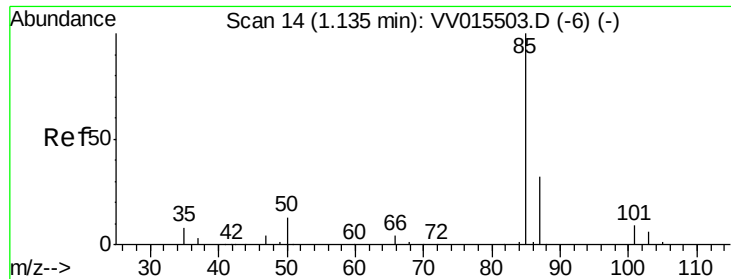
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041620\
 Data File : VV015526.D
 Acq On : 16 Apr 2020 10:21
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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 17 00:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 14:00:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	16856	4.996	ug/L	97
25) Chloroform	4.40	83	77039	5.114	ug/L	98
27) 1,2-Dichloroethane	5.15	62	49083	5.039	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	69762	5.183	ug/L	100
30) Cyclohexane	4.70	56	67751	4.742	ug/L	100
31) Carbon tetrachloride	4.85	117	60784	5.189	ug/L	100
33) Benzene	5.12	78	159338	5.132	ug/L	100
34) Trichloroethene	5.94	95	43929	5.257	ug/L	99
35) Methylcyclohexane	6.15	83	70766	5.026	ug/L	99
37) 1,2-Dichloropropane	6.20	63	40640	5.278	ug/L	99
38) Bromodichloromethane	6.53	83	52773	5.139	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	58770	4.974	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	248840	49.215	ug/L	99
42) Toluene	7.41	91	169789	5.037	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	51295	5.134	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	26205	5.063	ug/L	97
47) Tetrachloroethene	8.00	164	32527	5.254	ug/L	98
48) 2-Hexanone	8.16	43	175715	49.739	ug/L	100
49) Dibromochloromethane	8.27	129	31884	5.142	ug/L	97
50) 1,2-Dibromoethane	8.37	107	24856	5.011	ug/L	100
51) Chlorobenzene	8.90	112	108991	5.073	ug/L	99
52) Ethylbenzene	9.03	91	196518	5.065	ug/L	99
53) m,p-xylene	9.16	106	73468	5.014	ug/L	99
54) o-xylene	9.56	106	69823	4.923	ug/L	96
55) Styrene	9.58	104	118304	4.963	ug/L	100
56) Isopropylbenzene	9.95	105	195827	5.036	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	29749	4.722	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	23902	5.020	ug/L	99
61) Bromoform	9.75	173	15459	5.021	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	87248	5.155	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	87211	5.064	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	78699	5.100	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	5769	4.886	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	66353	5.425	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	58141	5.277	ug/L	99
69) Naphthalene	13.53	128	94986	4.576	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	50766	5.217	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.881 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

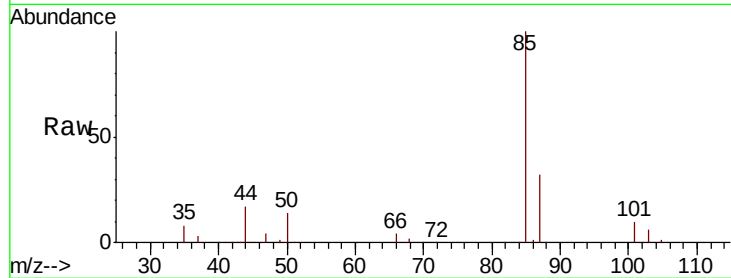
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 53335

Ion Ratio Lower Upper

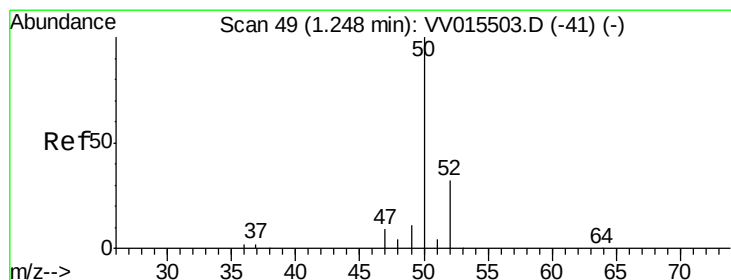
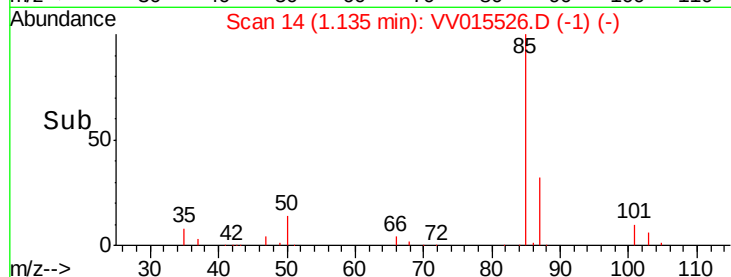
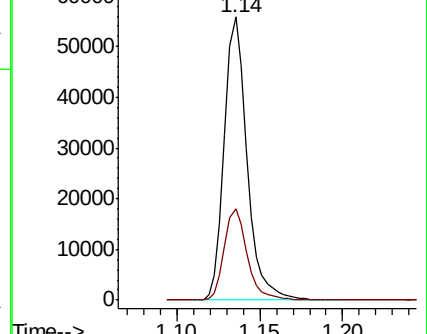
85 100

87 32.4 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: 4.825 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015526.D

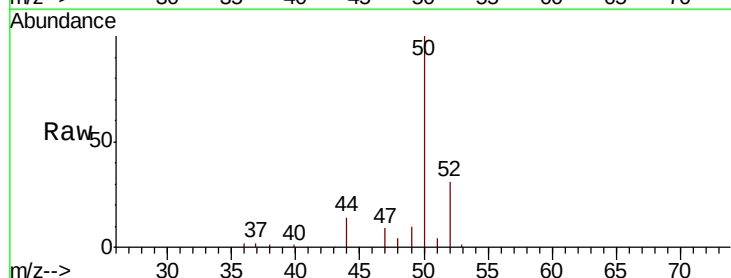
Acq: 16 Apr 2020 10:21

Tgt Ion: 50 Resp: 50208

Ion Ratio Lower Upper

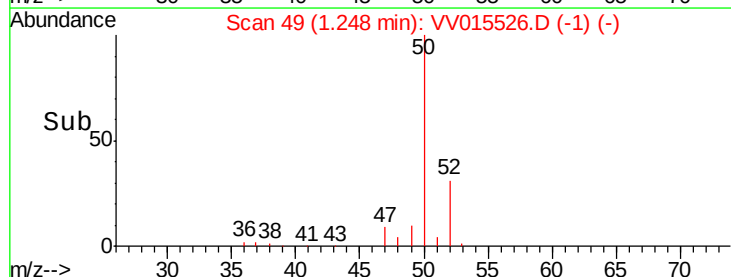
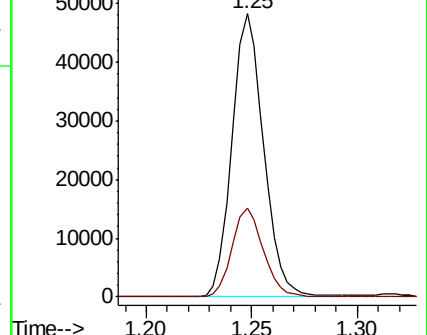
50 100

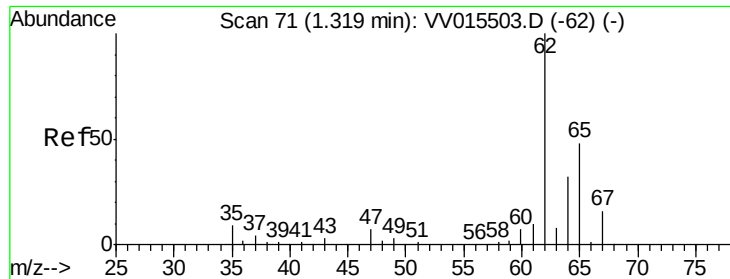
52 31.2 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.666 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

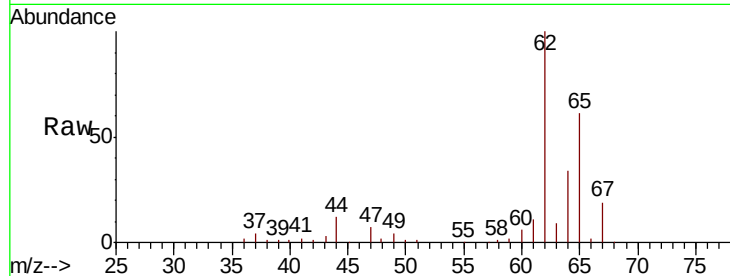
ClientSampled :

Tot Ion: 62 Resp: 46756

Ion Ratio Lower Upper

62 100

64 33.6 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

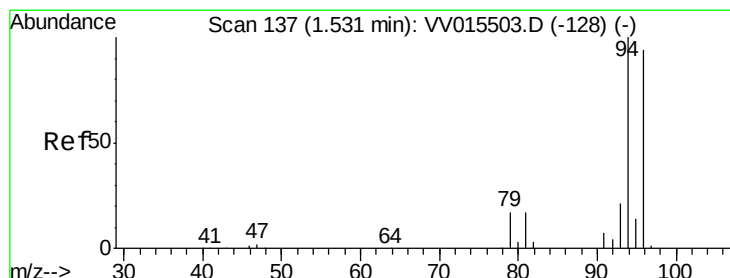
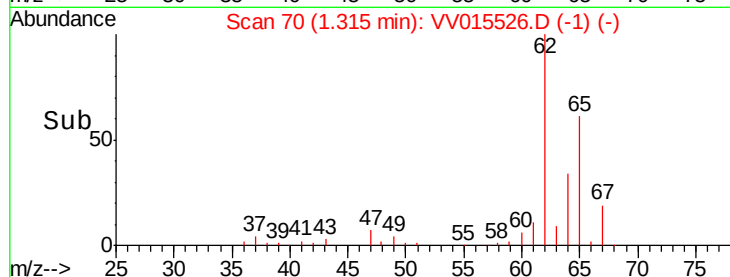
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.641 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015526.D

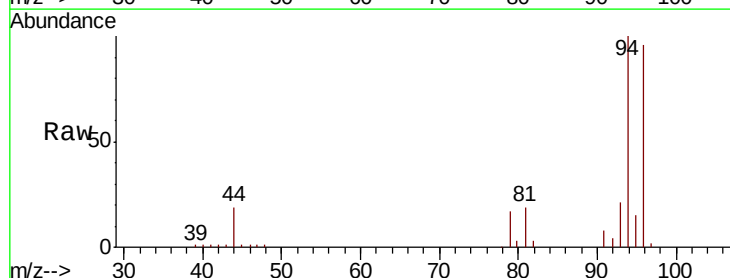
Acq: 16 Apr 2020 10:21

Tgt Ion: 94 Resp: 25699

Ion Ratio Lower Upper

94 100

96 96.2 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

25000

20000

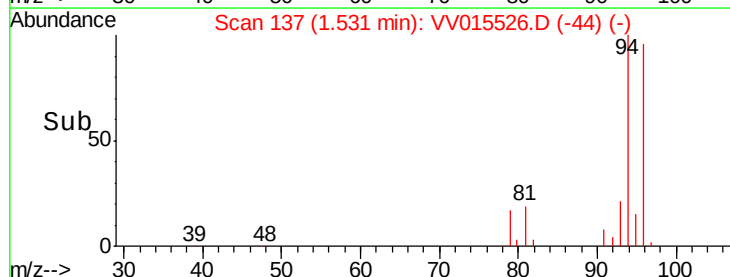
15000

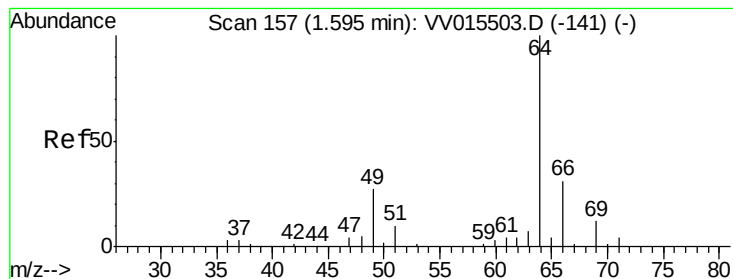
10000

5000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 5.011 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

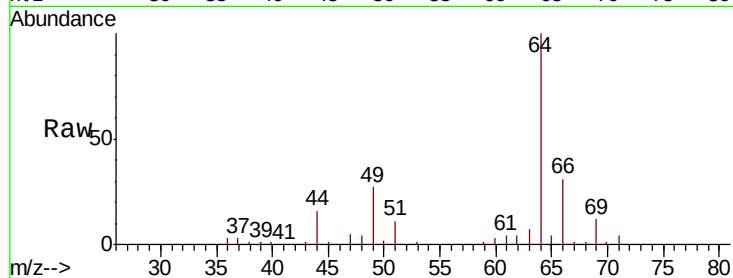
ClientSampleId :

Tot Ion: 64 Resp: 29122

Ion Ratio Lower Upper

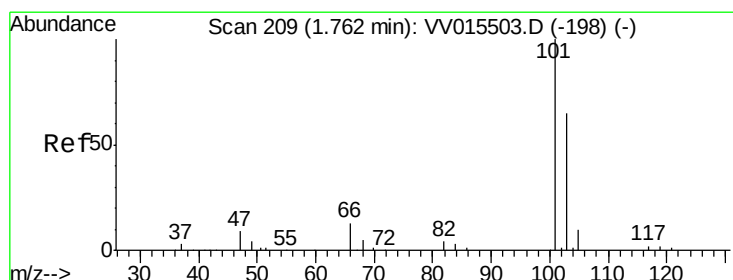
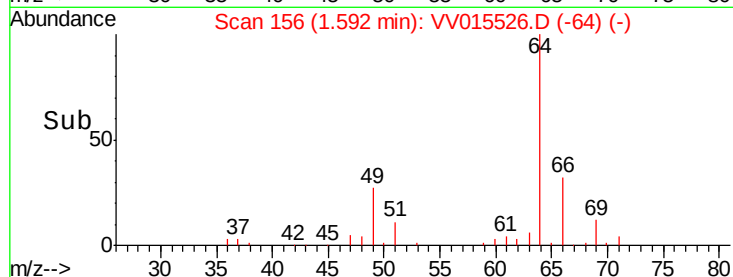
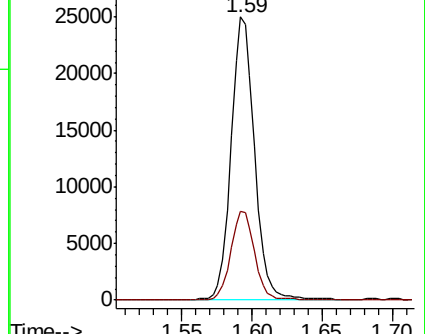
64 100

66 31.5 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015503.D (-141) (-)

Ion 66.05 (65.75 to 66.75): VV015503.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 5.073 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015526.D

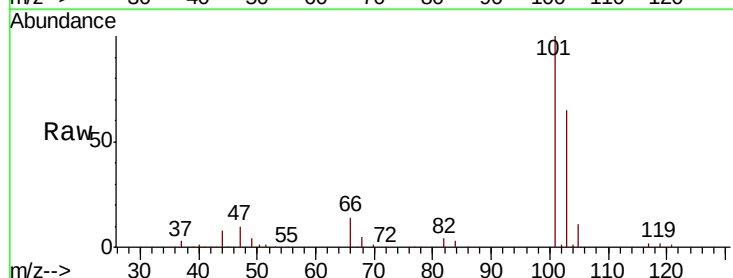
Acq: 16 Apr 2020 10:21

Tgt Ion:101 Resp: 65040

Ion Ratio Lower Upper

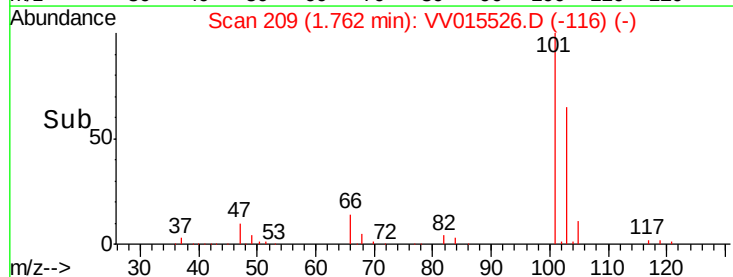
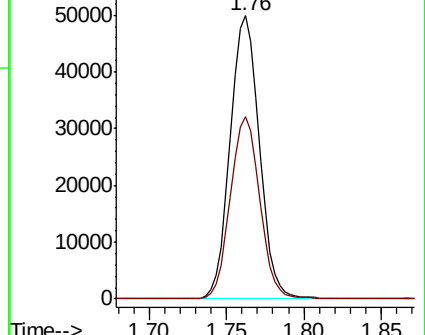
101 100

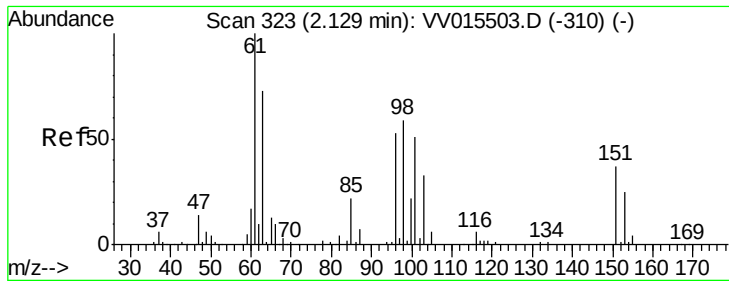
103 64.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015503.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015503.D (-198) (-)





#10

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

Concen: 5.195 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

ClientSampled :

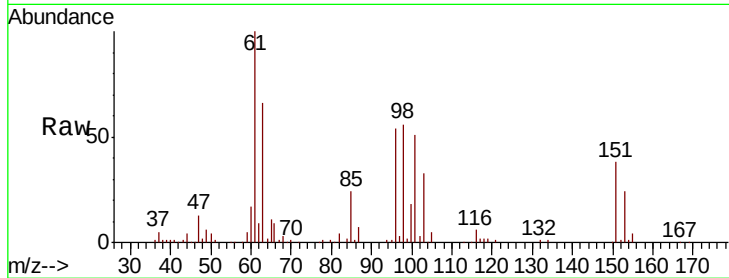
Tot Ion:101 Resp: 37617

Ion Ratio Lower Upper

101 100

85 44.8 36.3 54.5

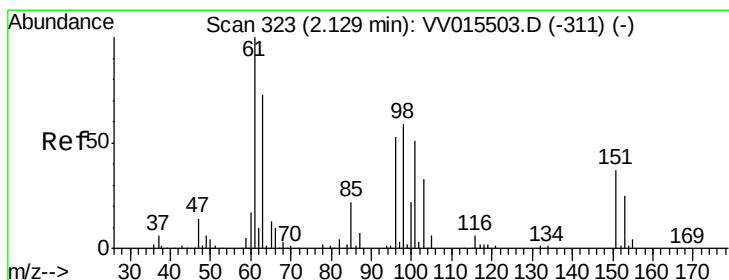
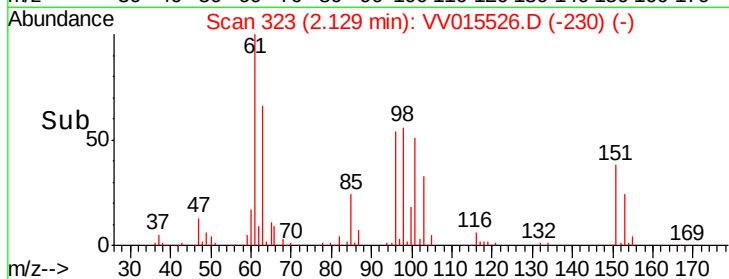
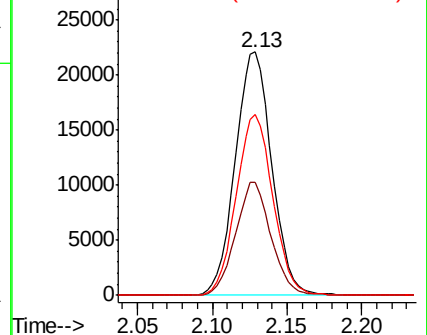
151 74.1 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.902 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

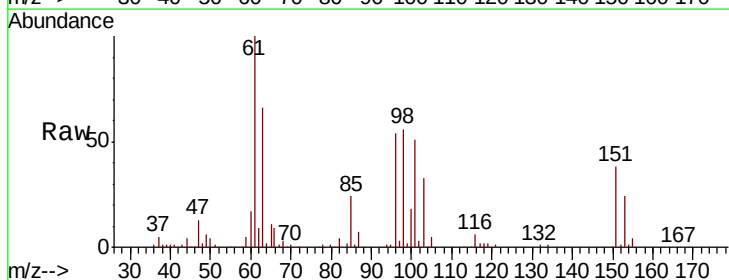
Tgt Ion: 96 Resp: 33971

Ion Ratio Lower Upper

96 100

61 186.5 127.7 237.1

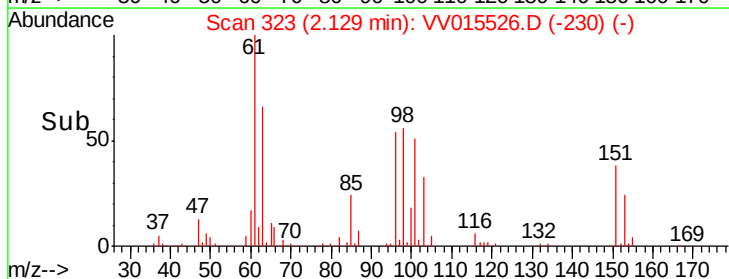
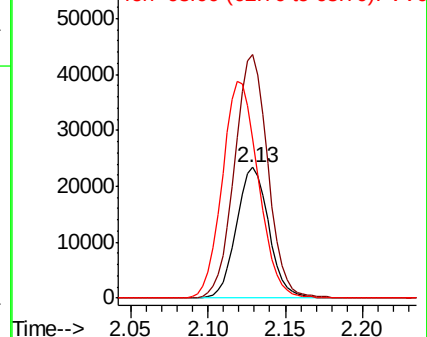
63 122.2 75.1 139.5

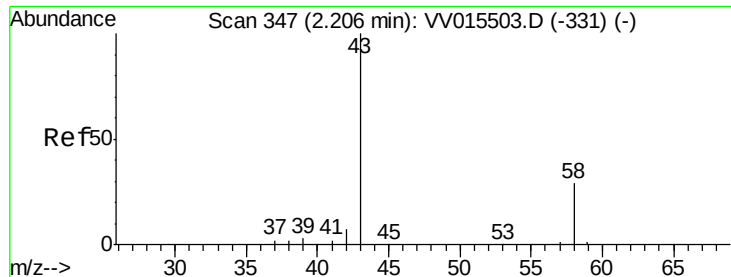


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.504 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

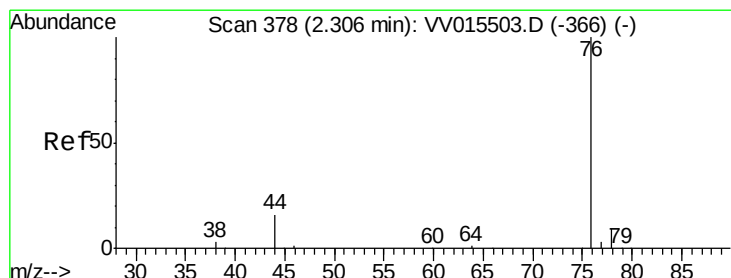
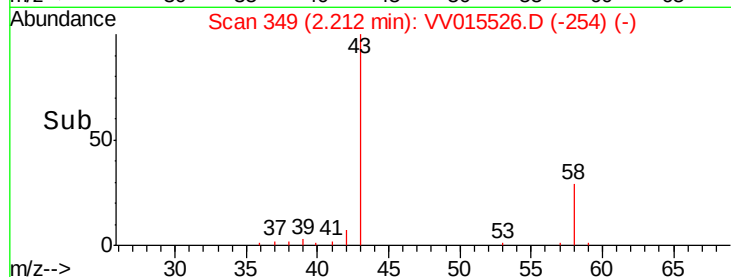
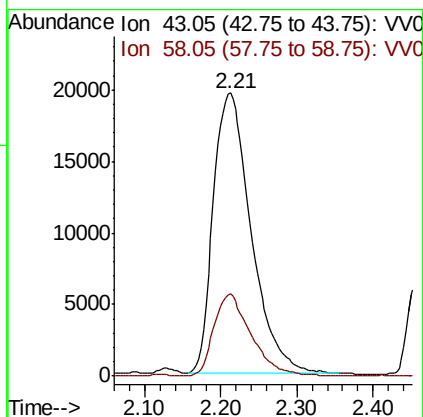
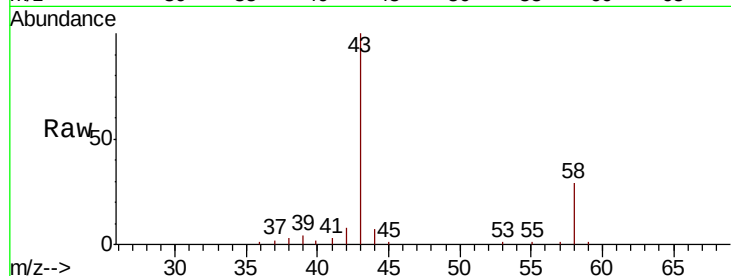
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 67616

Ion Ratio Lower Upper

43 100

58 28.8 0.0 22.2#



#14

Carbon disulfide

Concen: 4.422 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015526.D

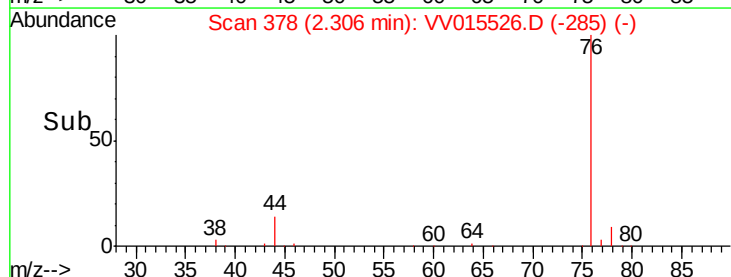
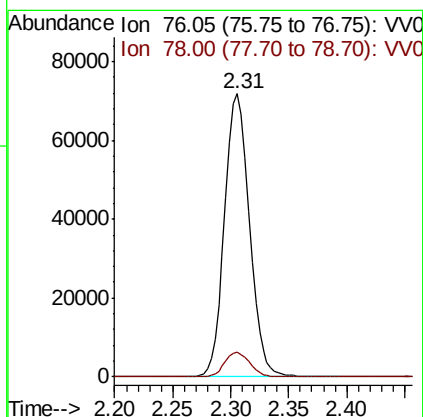
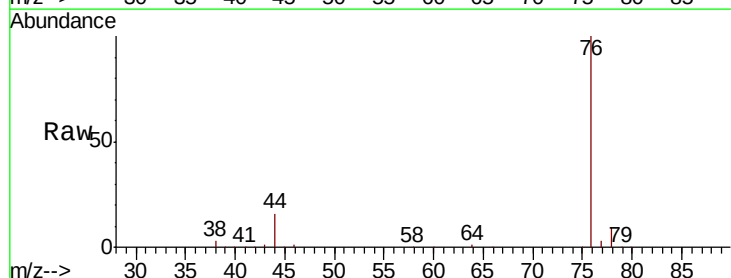
Acq: 16 Apr 2020 10:21

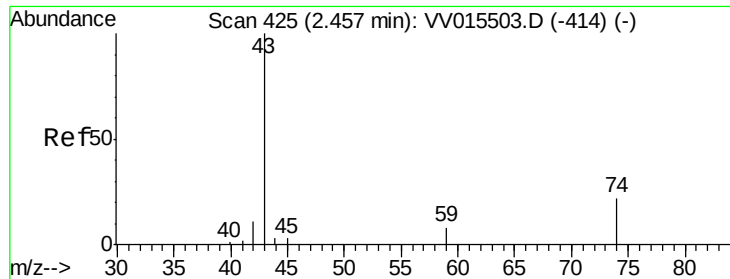
Tgt Ion: 76 Resp: 106837

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

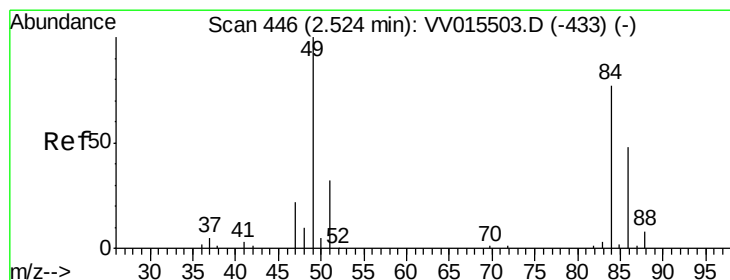
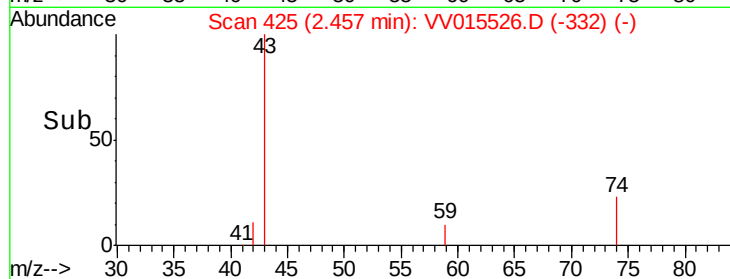
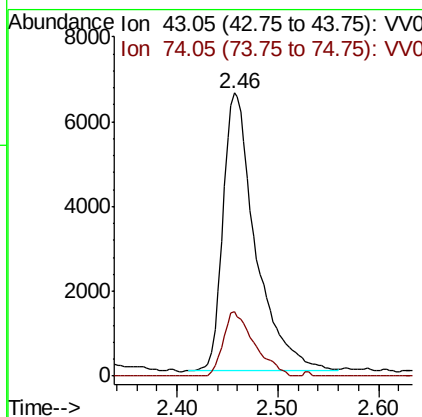
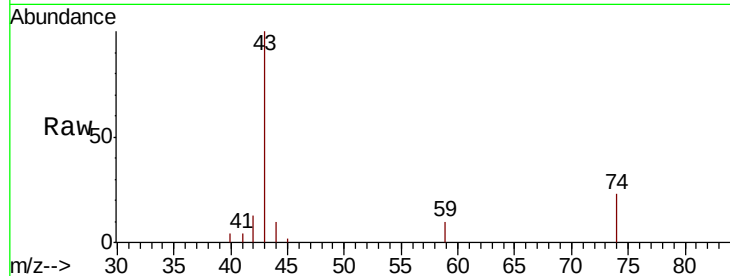




#15
Methvl Acetate
Concen: 4.410 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

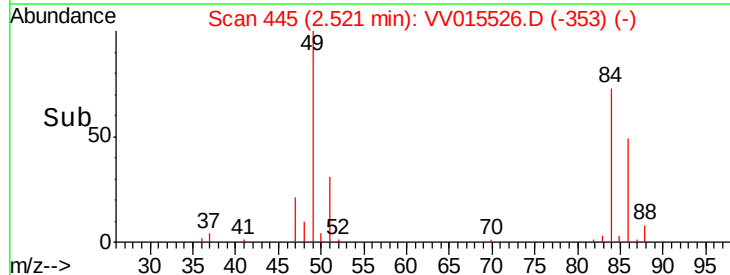
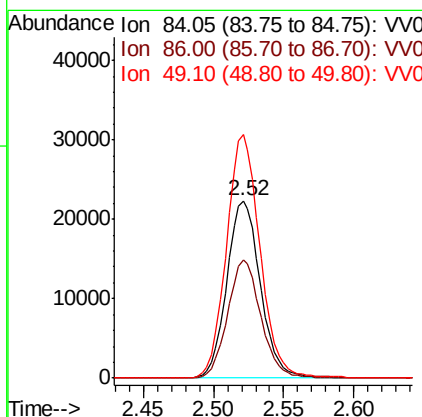
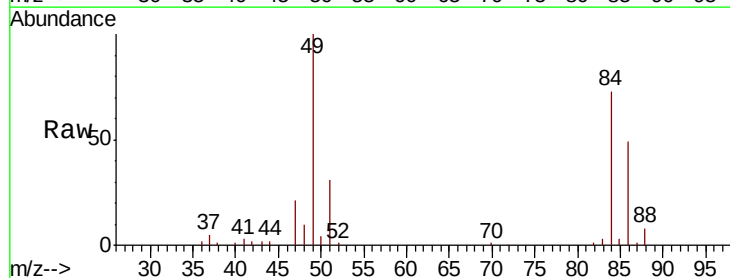
Instrument :
MSVOA_V
ClientSampleId :

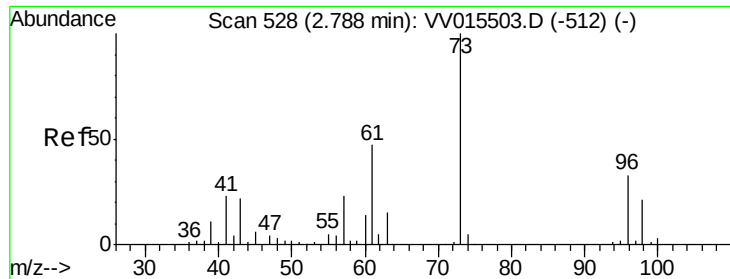
Tot Ion: 43 Resp: 14827
Ion Ratio Lower Upper
43 100
74 22.1 15.4 23.2



#16
Methylene chloride
Concen: 4.573 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Tgt Ion: 84 Resp: 37128
Ion Ratio Lower Upper
84 100
86 66.9 45.1 83.7
49 137.2 97.9 181.7

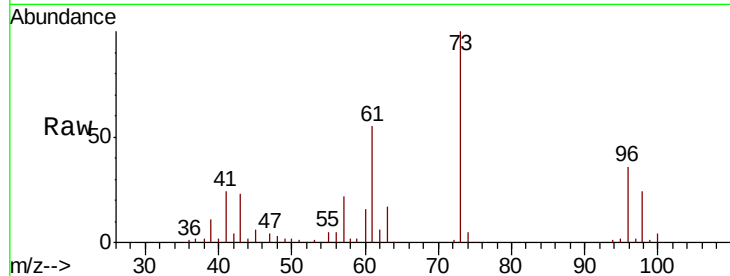




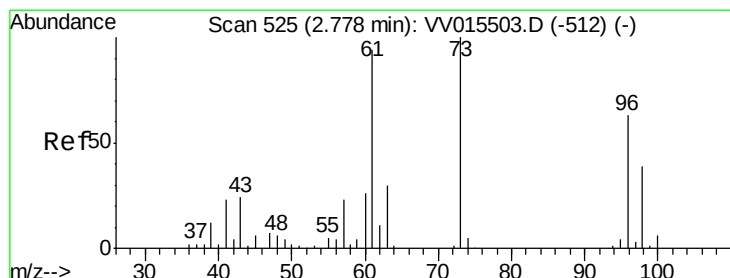
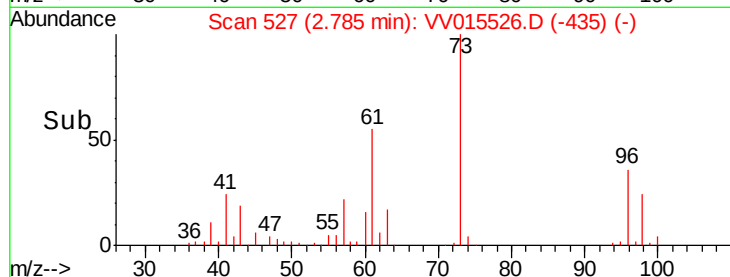
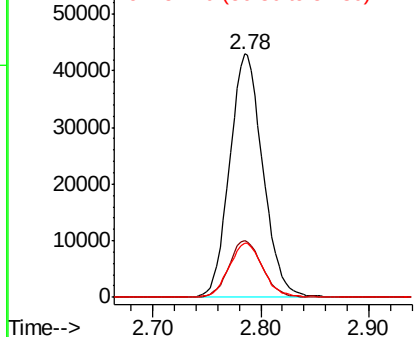
#17
Methvl tert-butyl Ether
Concen: 4.977 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 92185
Ion Ratio Lower Upper
73 100
43 23.5 18.3 27.5
57 22.8 18.4 27.6

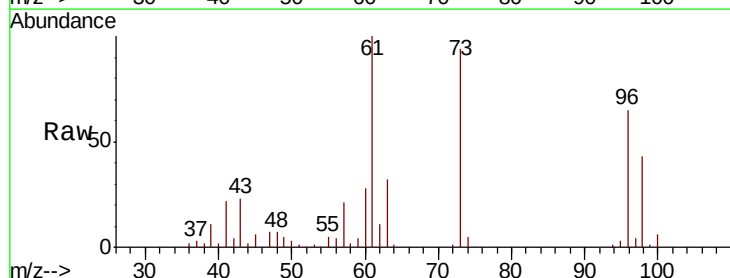


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

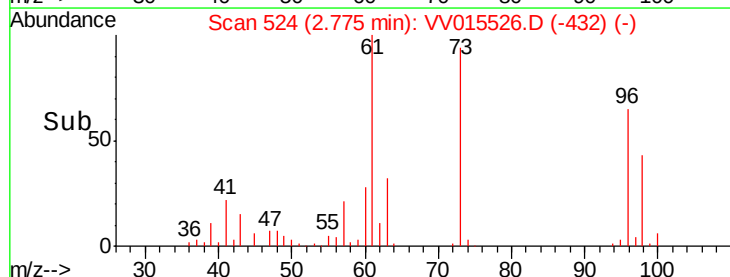
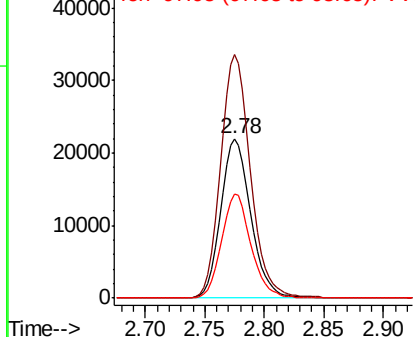


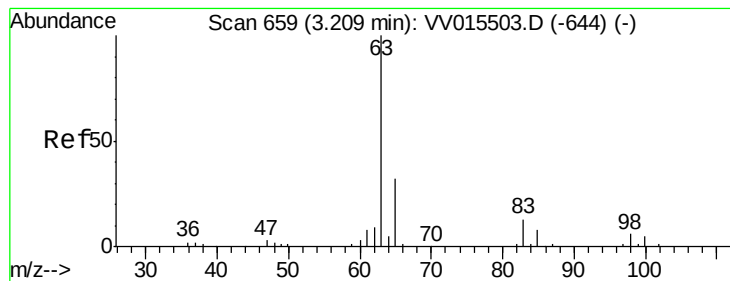
#18
trans-1,2-Dichloroethene
Concen: 4.925 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Tgt Ion: 96 Resp: 38465
Ion Ratio Lower Upper
96 100
61 152.8 104.4 194.0
98 65.1 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: 5.045 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

ClientSampleId :

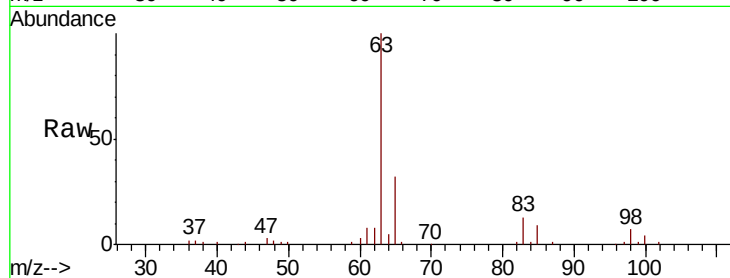
Tot Ion: 63 Resp: 74266

Ion Ratio Lower Upper

63 100

65 32.2 21.3 39.6

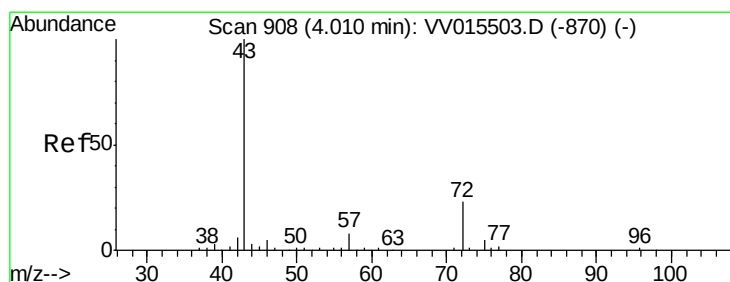
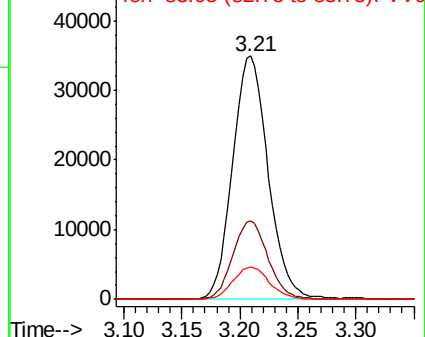
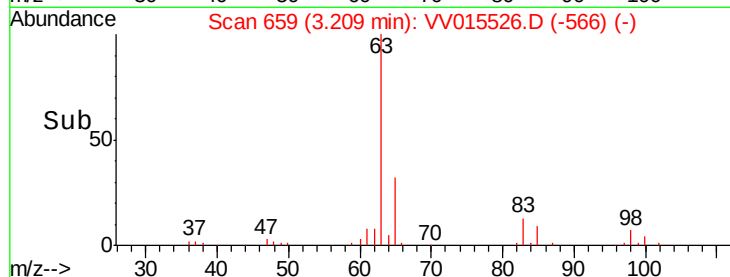
83 13.1 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV015526.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV015526.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV015526.D (-566) (-)



#21

2-Butanone

Concen: 57.908 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV015526.D

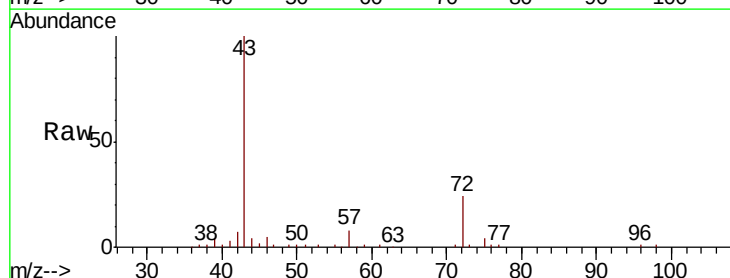
Acq: 16 Apr 2020 10:21

Tgt Ion: 43 Resp: 106337

Ion Ratio Lower Upper

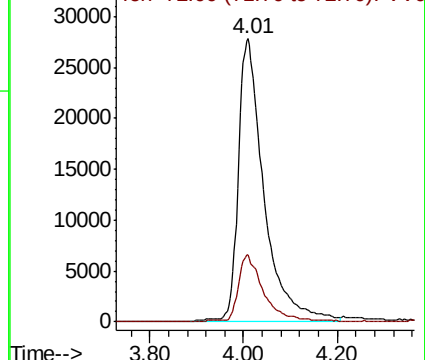
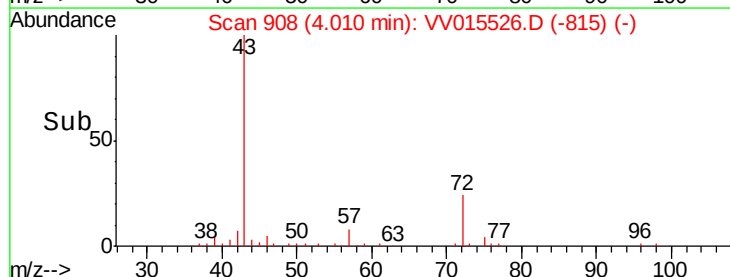
43 100

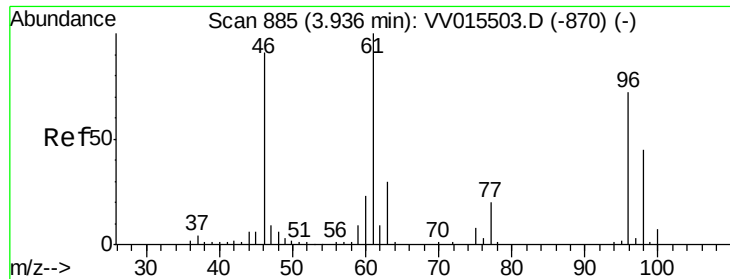
72 21.2 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV015526.D (-815) (-)

Ion 72.00 (71.70 to 72.70): VV015526.D (-815) (-)

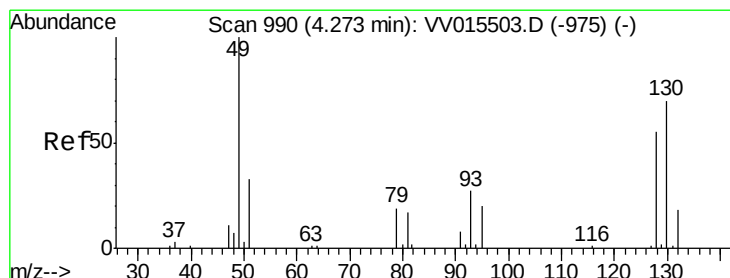
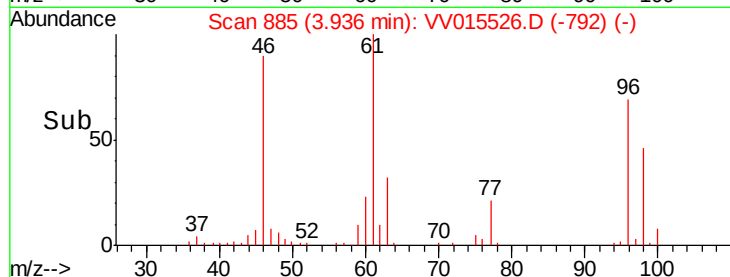
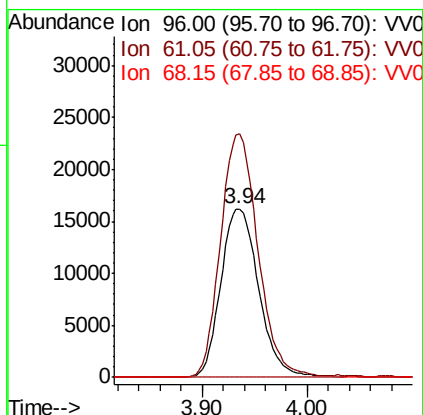
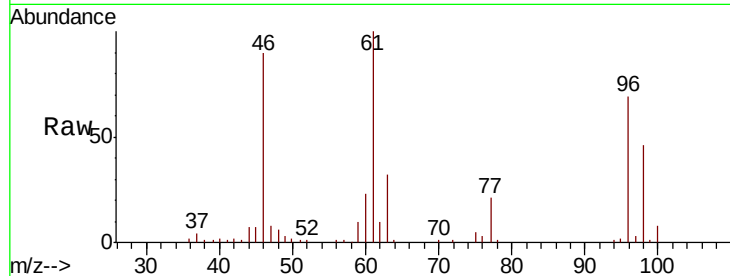




#22
 cis-1,2-Dichloroethene
 Concen: 4.976 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

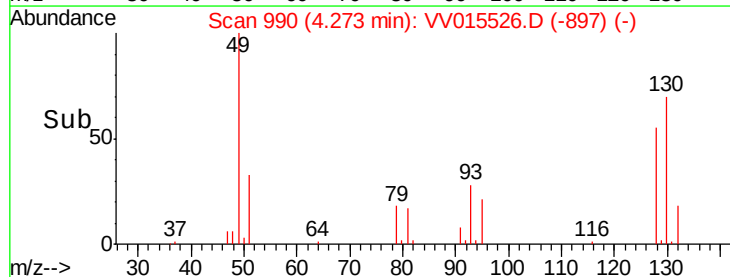
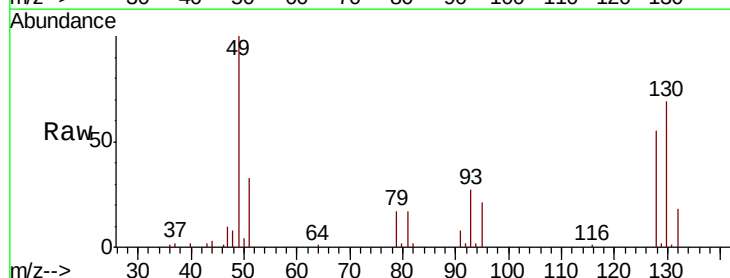
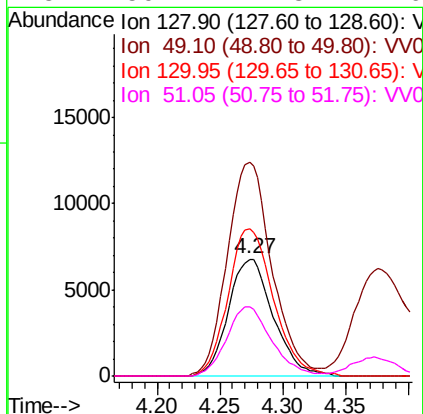
Instrument :
 MSVOA_V
 ClientSampleId :

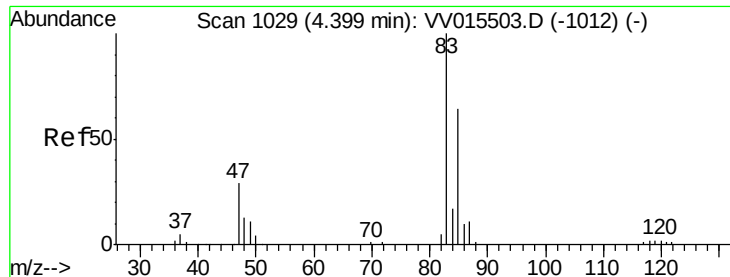
Tot Ion: 96 Resp: 40343
 Ion Ratio Lower Upper
 96 100
 61 144.7 100.0 185.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.996 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 128 Resp: 16856
 Ion Ratio Lower Upper
 128 100
 49 183.1 128.8 239.2
 130 126.1 93.5 173.7
 51 59.7 47.8 71.6

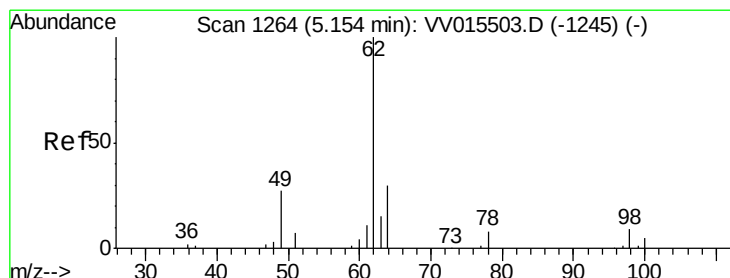
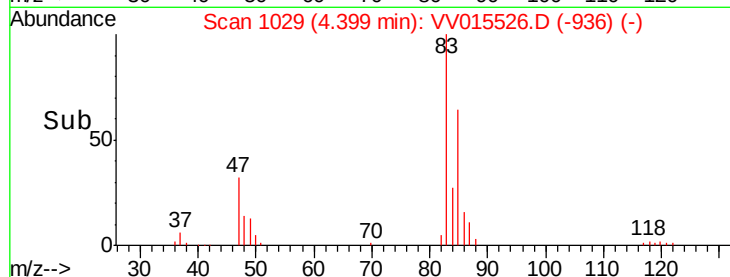
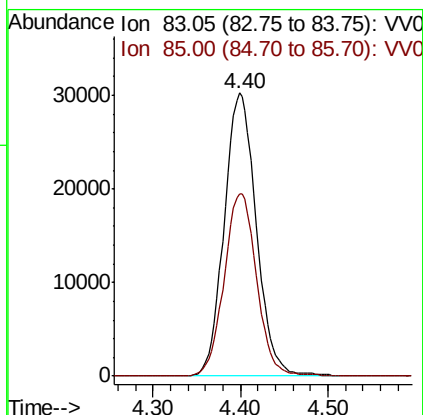
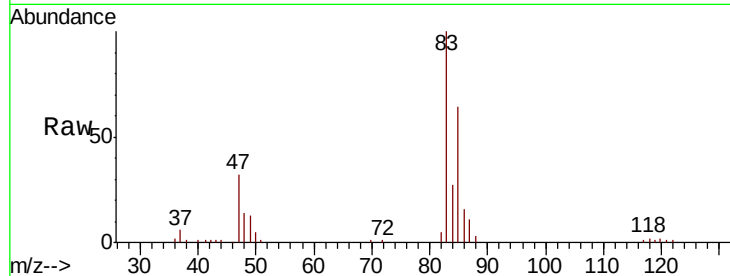




#25
Chloroform
Concen: 5.114 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

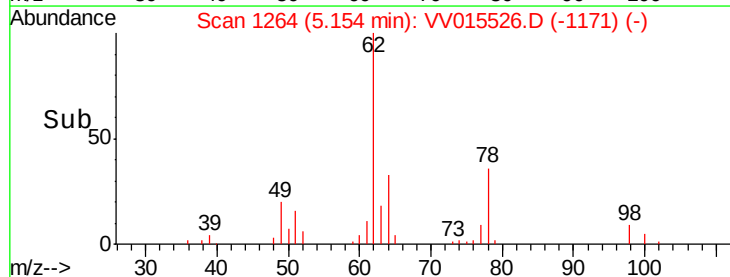
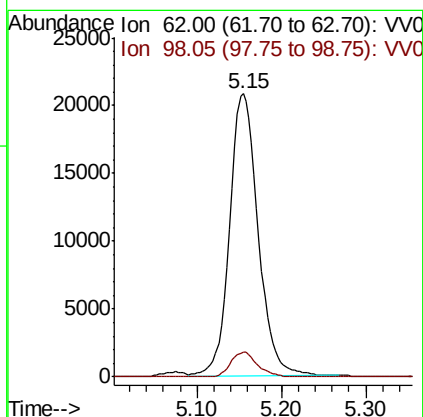
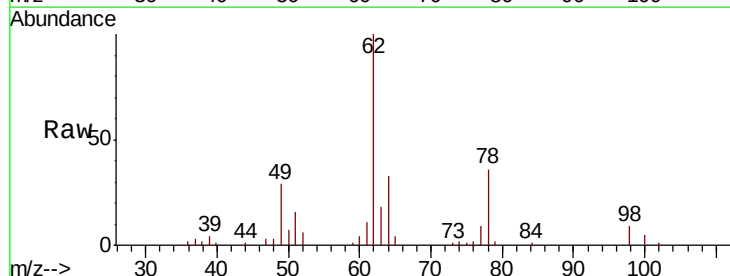
Instrument :
MSVOA_V
ClientSampleId :

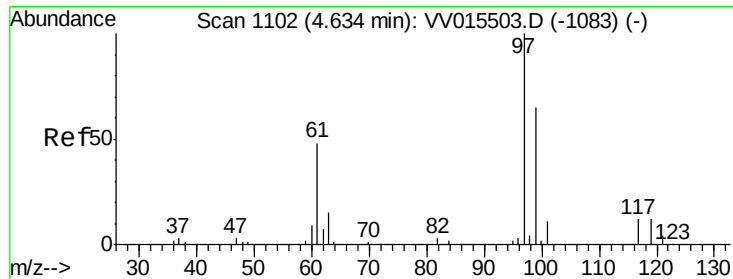
Tot Ion: 83 Resp: 77039
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.039 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Tgt Ion: 62 Resp: 49083
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

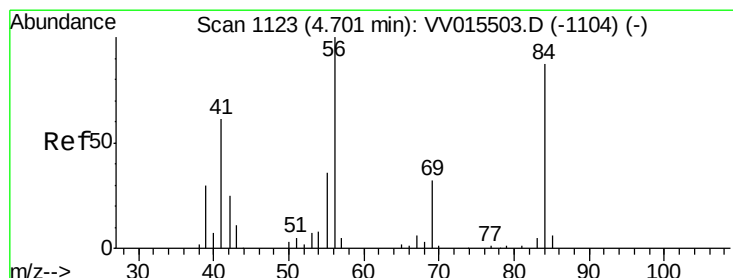
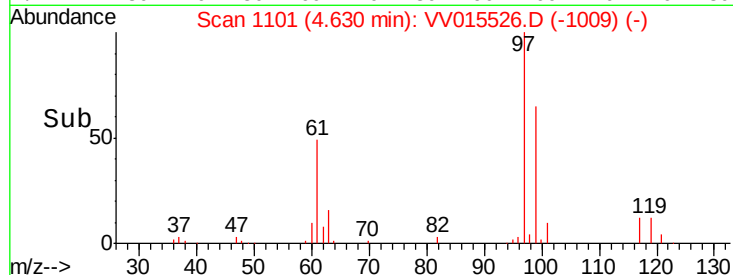
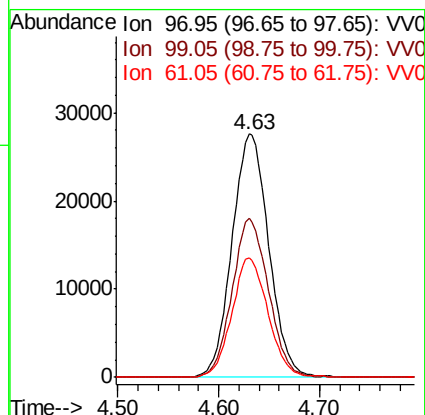
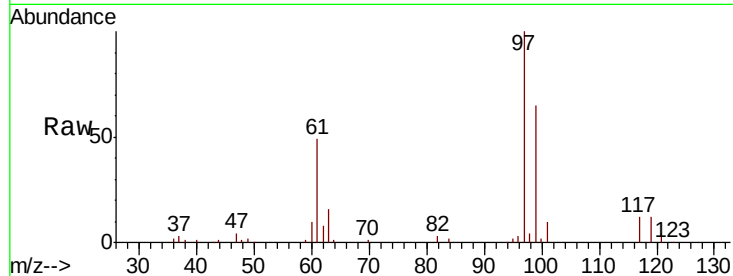




#29
 1,1,1-Trichloroethane
 Concen: 5.183 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

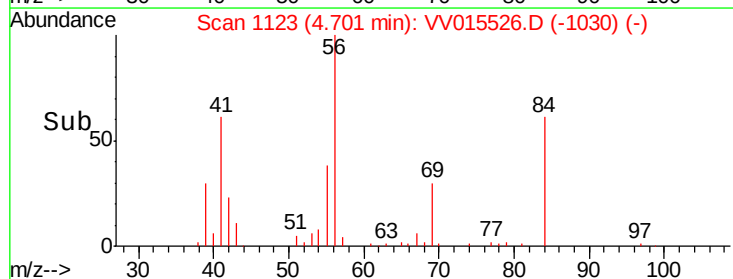
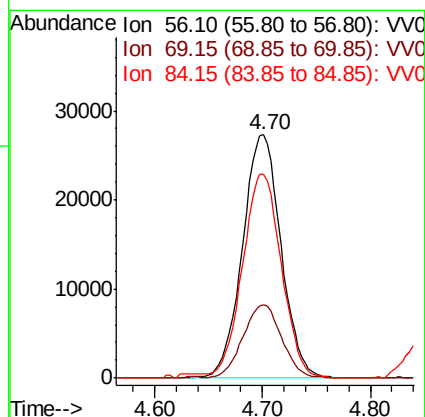
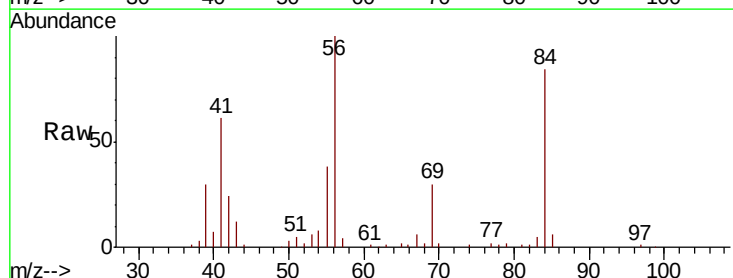
Instrument :
 MSVOA_V
 ClientSampleId :

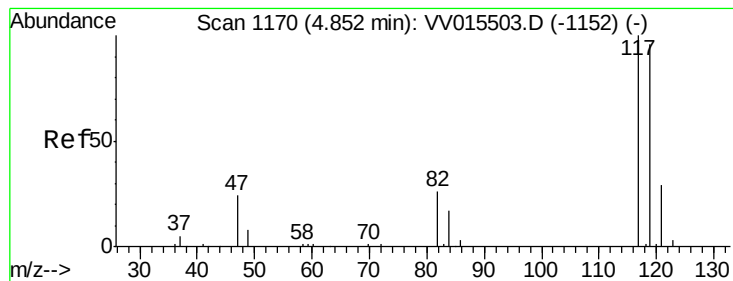
Tot Ion: 97 Resp: 69762
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.6 77.4
 61 48.2 39.0 58.6



#30
 Cyclohexane
 Concen: 4.742 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 56 Resp: 67751
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.2 36.4
 84 85.2 68.4 102.6





#31

Carbon tetrachloride

Concen: 5.189 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

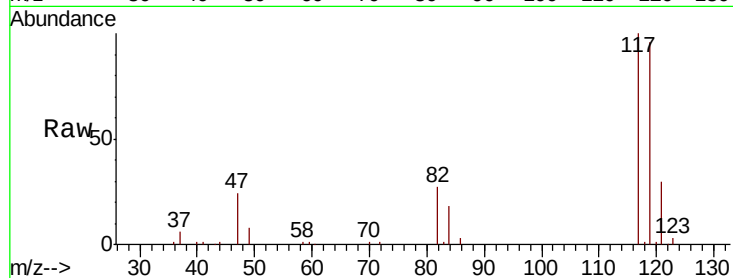
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 60784

Ion Ratio Lower Upper

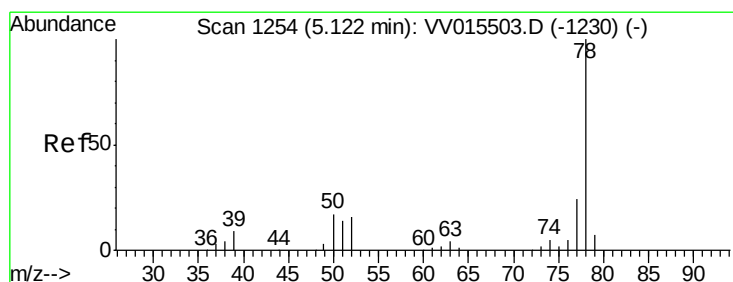
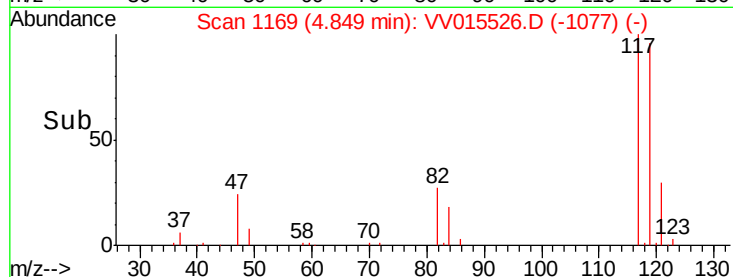
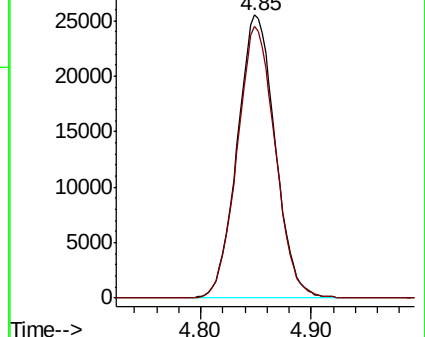
117 100

119 96.1 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: 5.132 ug/L

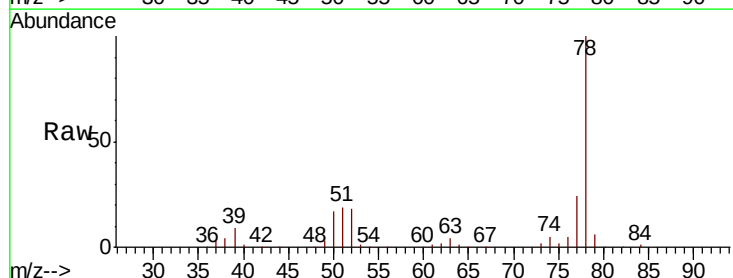
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

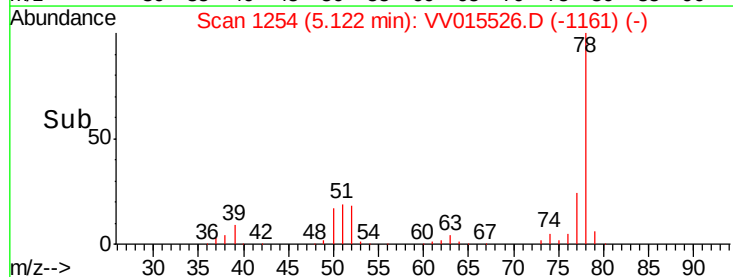
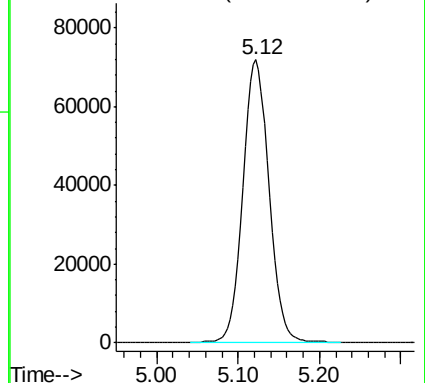
Lab File: VV015526.D

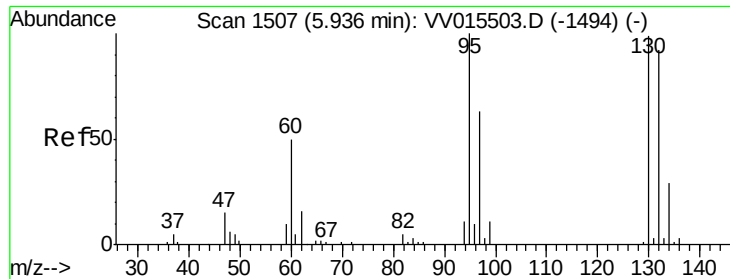
Acq: 16 Apr 2020 10:21

Tgt Ion: 78 Resp: 159338



Abundance Ion 78.10 (77.80 to 78.80): VV0

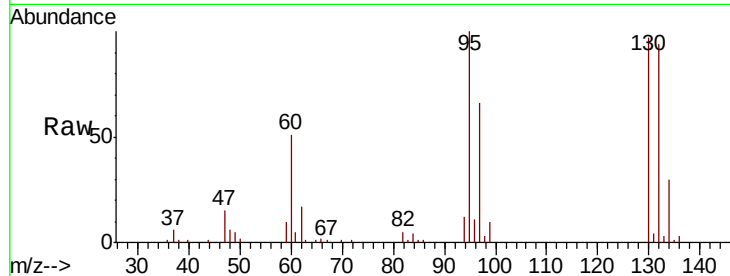




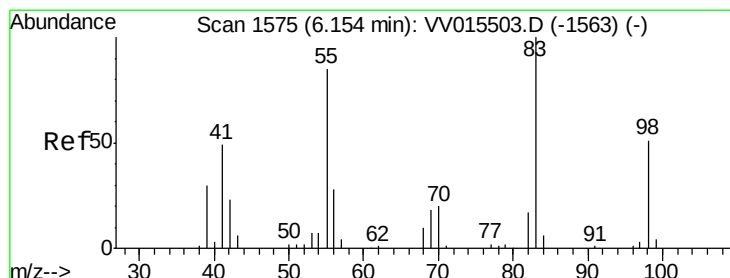
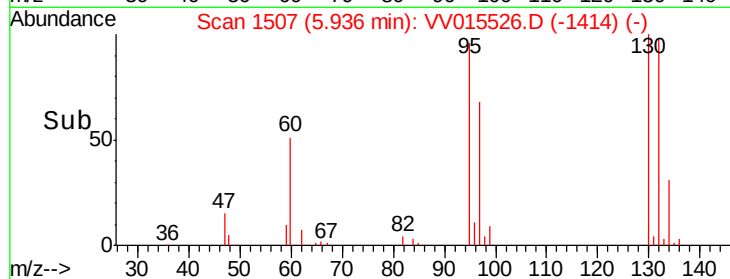
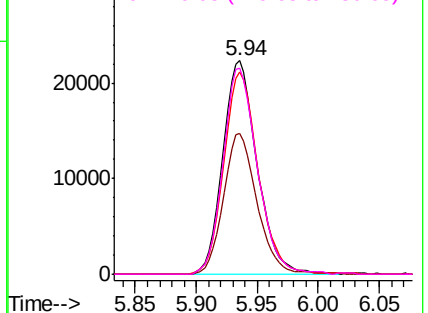
#34
 Trichloroethene
 Concen: 5.257 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 43929
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.4 84.4
 132 94.5 64.8 120.4
 130 96.7 67.4 125.2

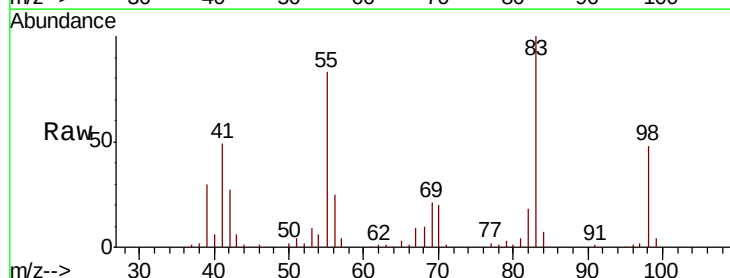


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

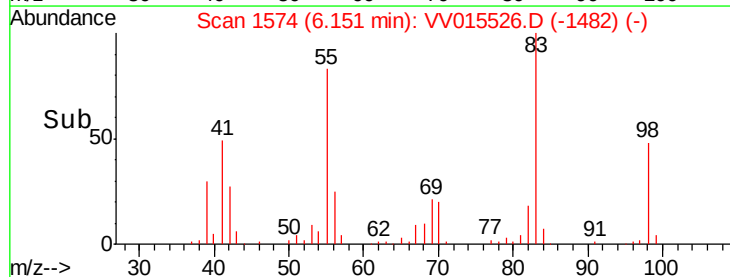
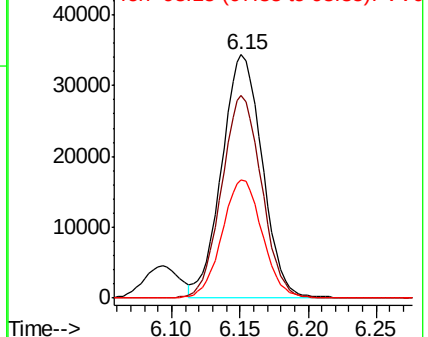


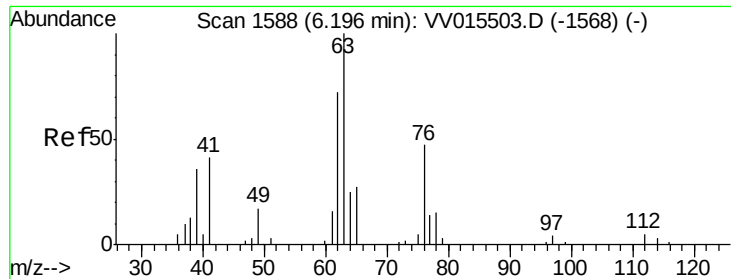
#35
 Methylcyclohexane
 Concen: 5.026 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 83 Resp: 70766
 Ion Ratio Lower Upper
 83 100
 55 82.1 66.6 99.8
 98 48.1 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

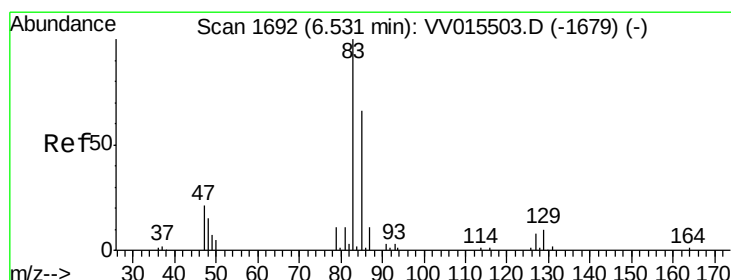
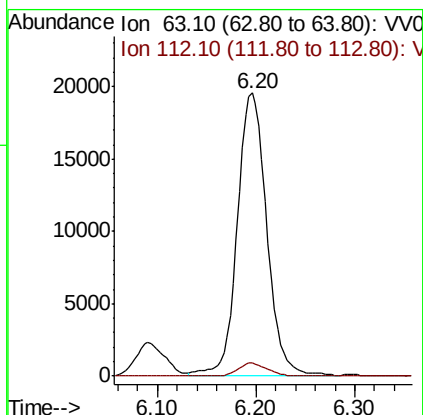
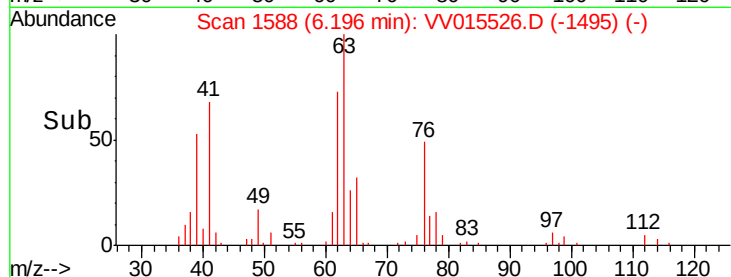
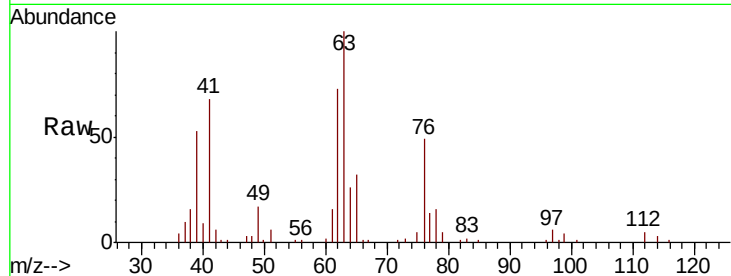




#37
 1,2-Dichloropropane
 Concen: 5.278 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

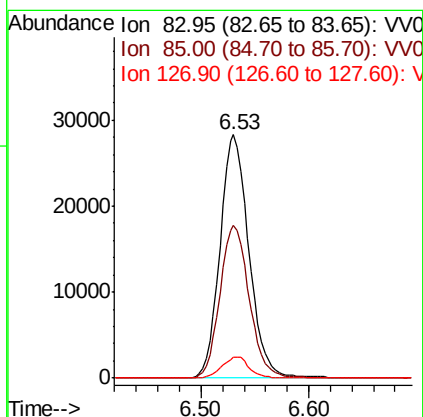
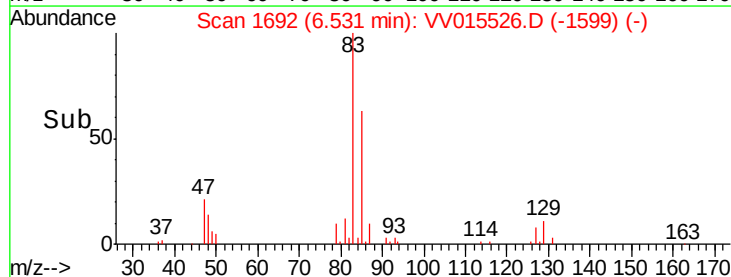
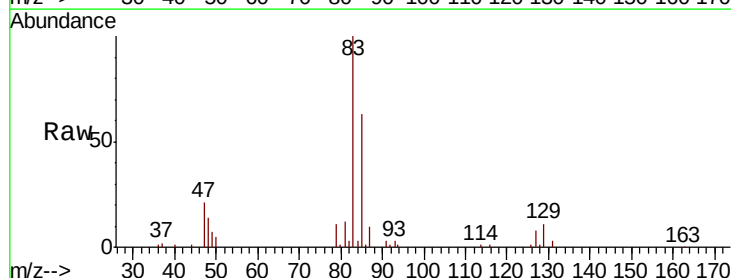
Instrument :
 MSVOA_V
 ClientSampled :

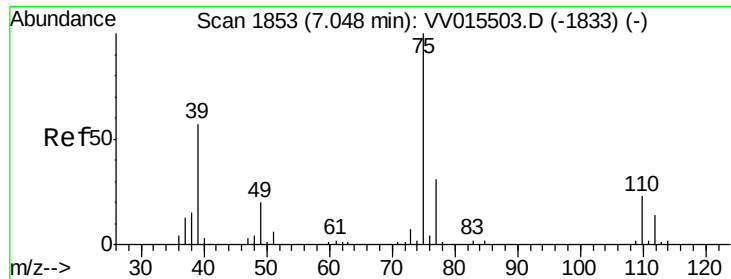
Tot Ion: 63 Resp: 40640
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.139 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 83 Resp: 52773
 Ion Ratio Lower Upper
 83 100
 85 62.7 42.6 79.2
 127 8.3 6.6 9.8

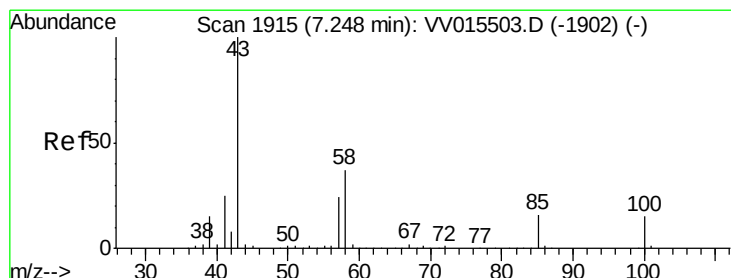
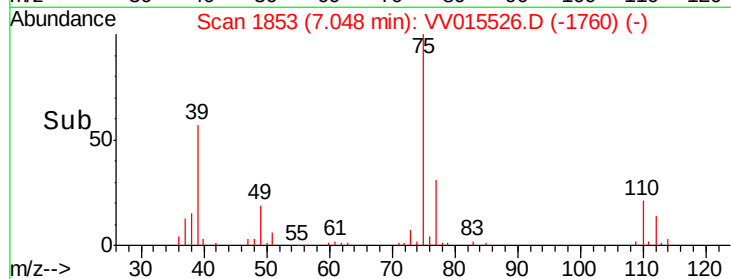
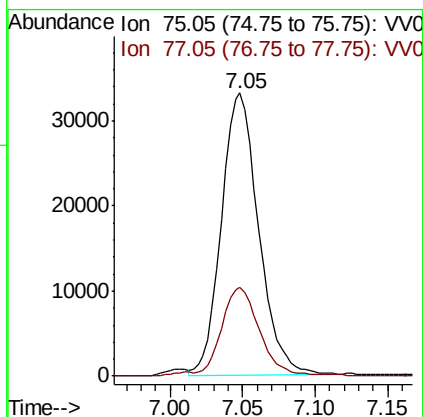
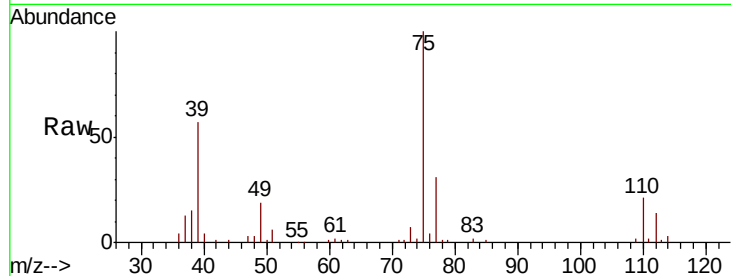




#39
 cis-1,3-Dichloropropene
 Concen: 4.974 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

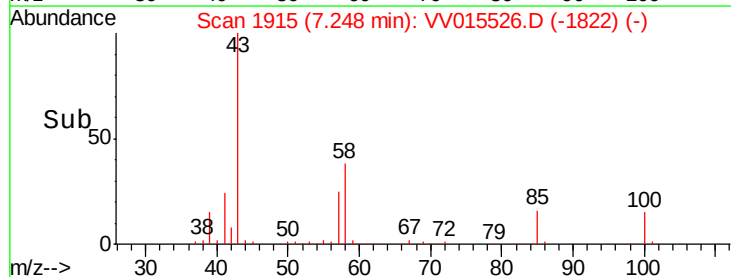
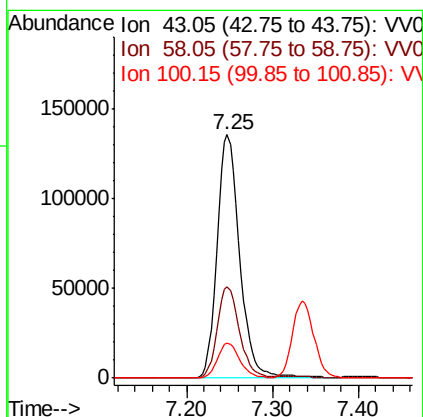
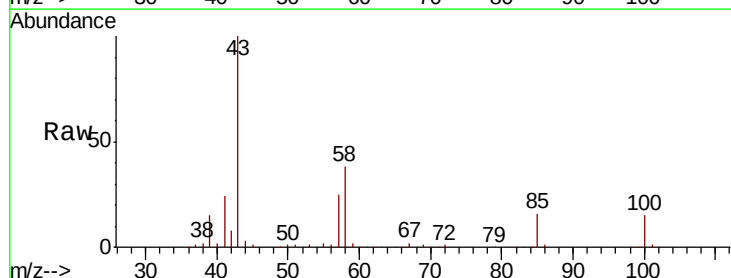
Instrument :
 MSVOA_V
 ClientSampled :

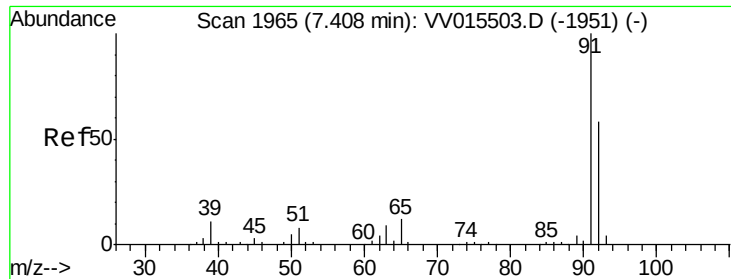
Tot Ion: 75 Resp: 58770
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 49.215 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 43 Resp: 248840
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.0 43.6
 100 14.2 11.0 16.6





#42

Toluene

Concen: 5.037 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

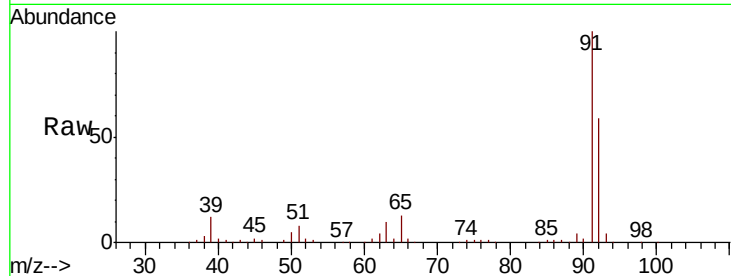
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 169789

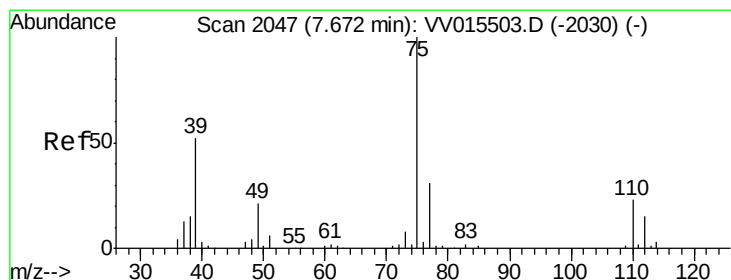
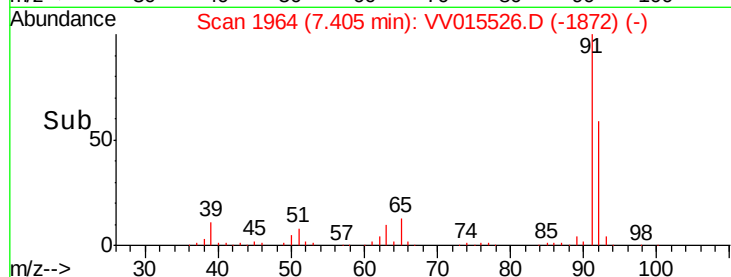
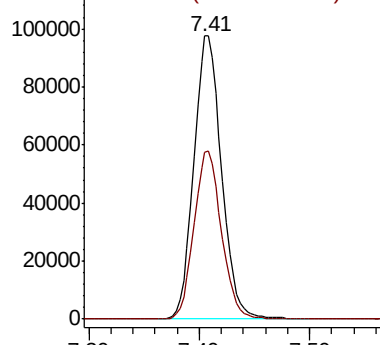
Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.134 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015526.D

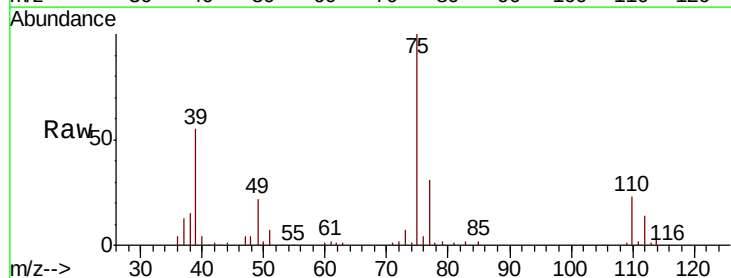
Acq: 16 Apr 2020 10:21

Tgt Ion: 75 Resp: 51295

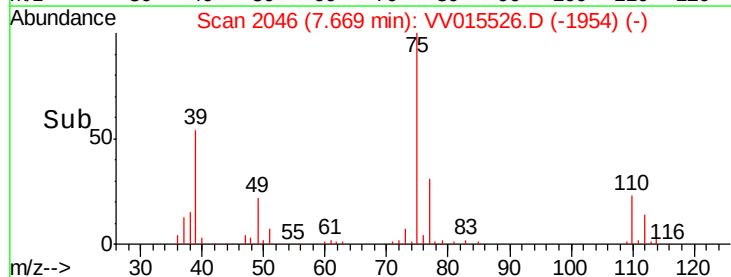
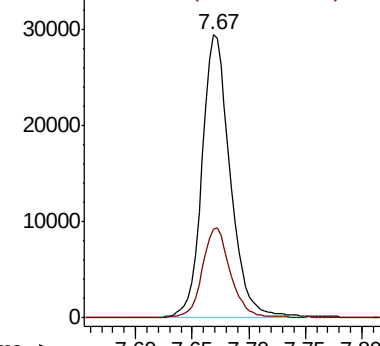
Ion Ratio Lower Upper

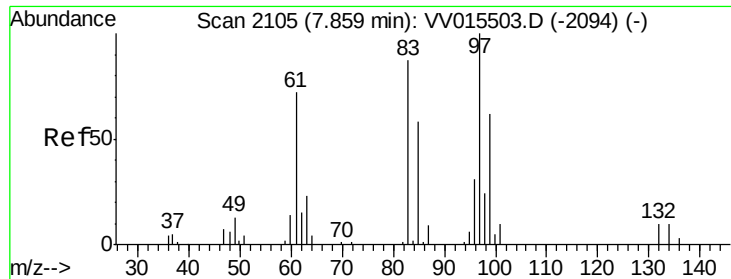
75 100

77 31.4 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

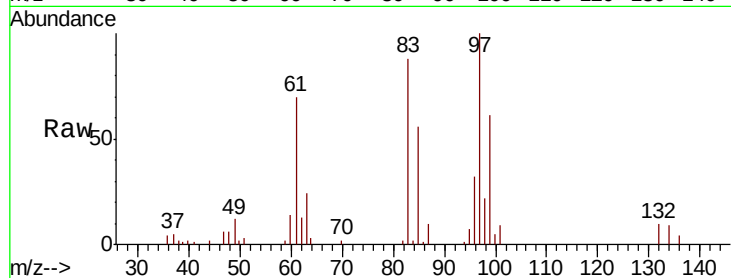




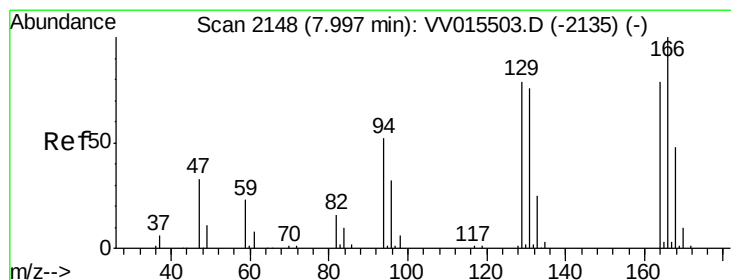
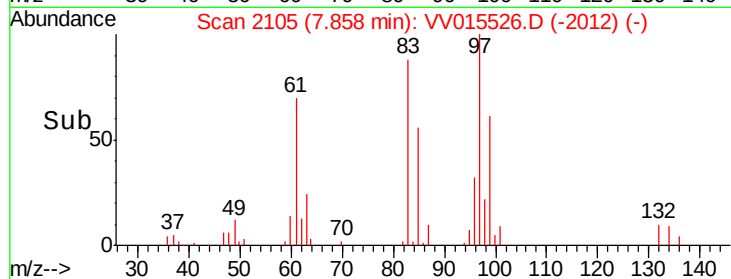
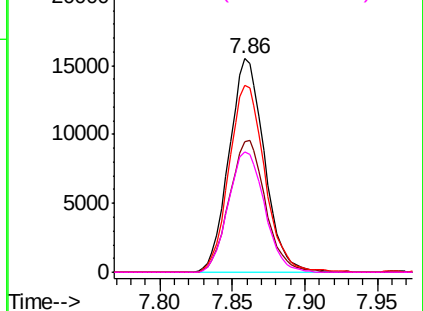
#45
 1,1,2-Trichloroethane
 Concen: 5.063 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	26205
Ion	Ratio	Lower	Upper
97	100		
99	61.0	41.3	76.7
83	87.6	60.5	112.3
85	56.2	36.8	68.4

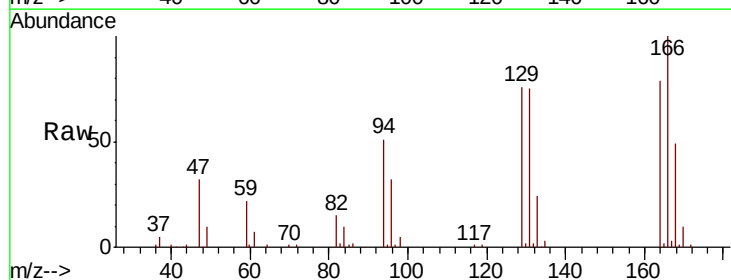


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

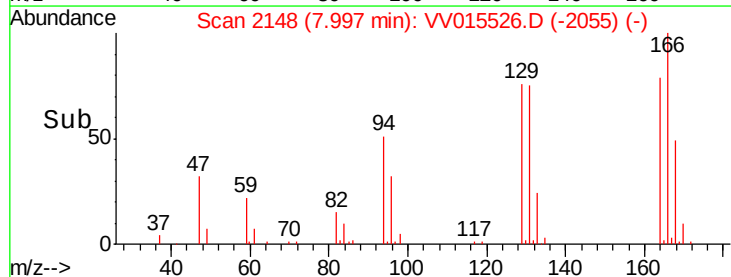
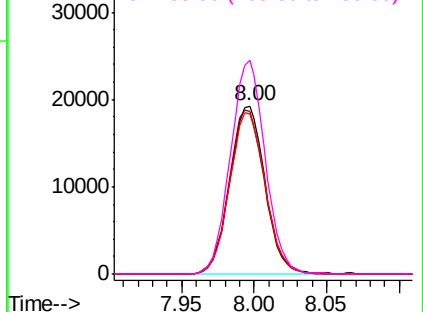


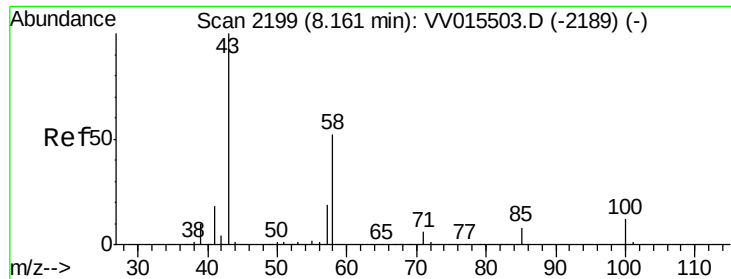
#47
 Tetrachloroethene
 Concen: 5.254 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion:	164	Resp:	32527
Ion	Ratio	Lower	Upper
164	100		
129	96.4	70.6	131.0
131	95.4	68.3	126.8
166	127.0	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

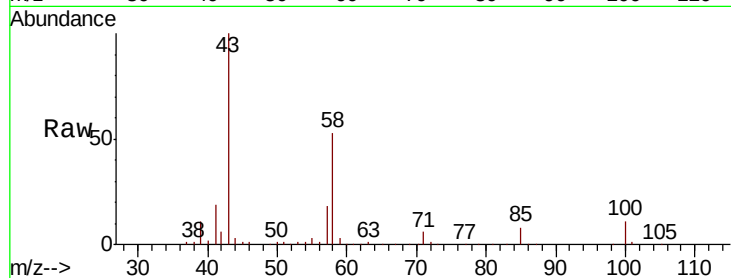




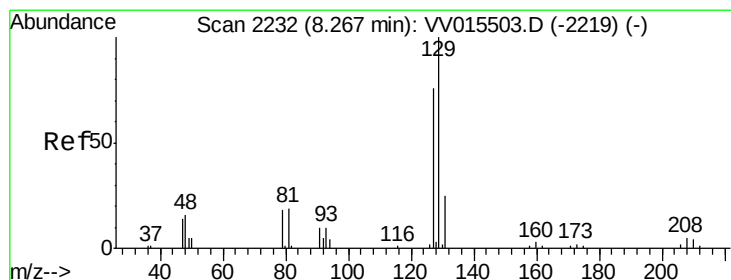
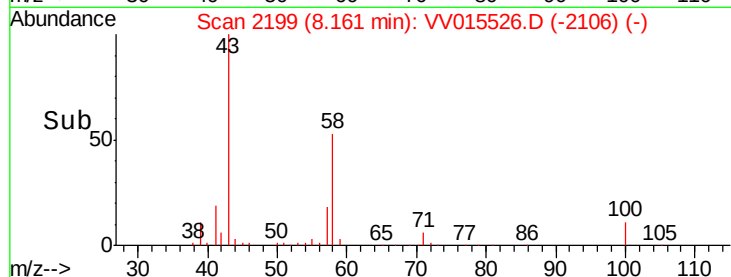
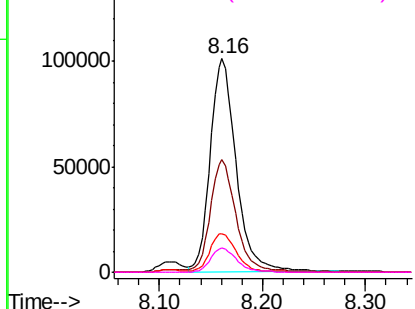
#48
2-Hexanone
Concen: 49.739 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 175715
Ion Ratio Lower Upper
43 100
58 52.1 41.4 62.0
57 18.5 15.0 22.4
100 11.6 9.4 14.2

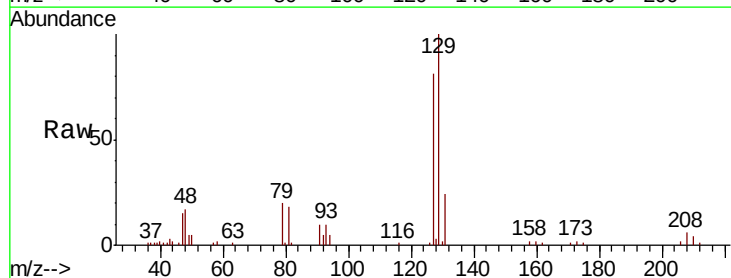


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

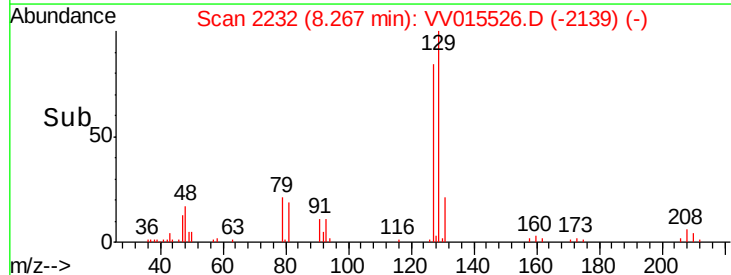
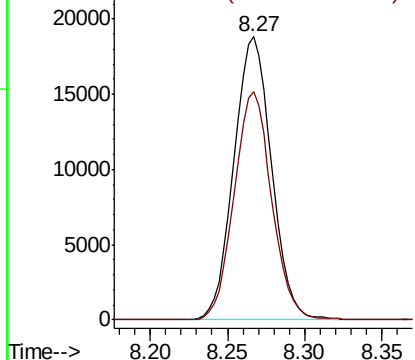


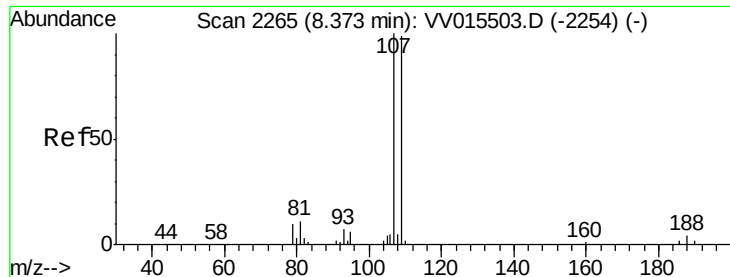
#49
Dibromochloromethane
Concen: 5.142 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015526.D
Acq: 16 Apr 2020 10:21

Tgt Ion: 129 Resp: 31884
Ion Ratio Lower Upper
129 100
127 80.6 54.7 101.7



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

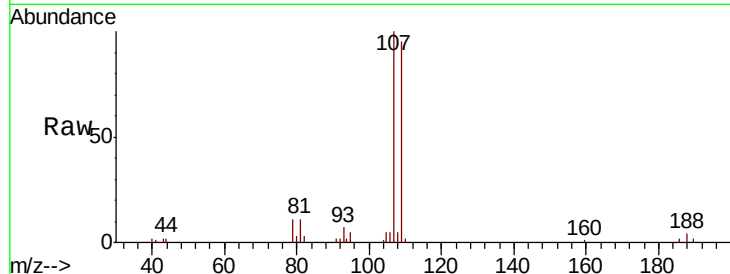




#50
 1,2-Dibromoethane
 Concen: 5.011 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.7	123.9
188	3.6	2.9	4.3

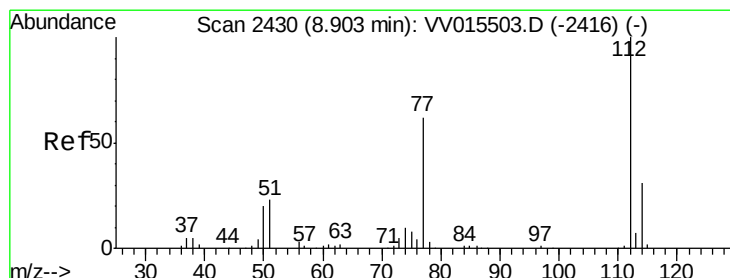
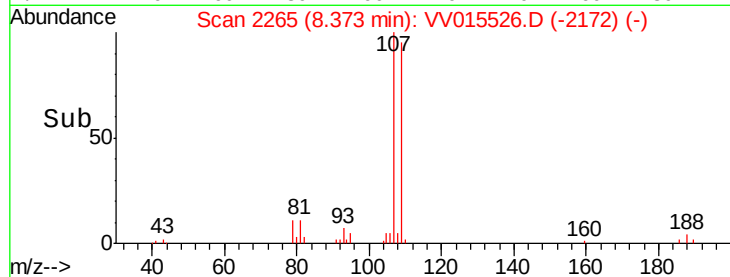
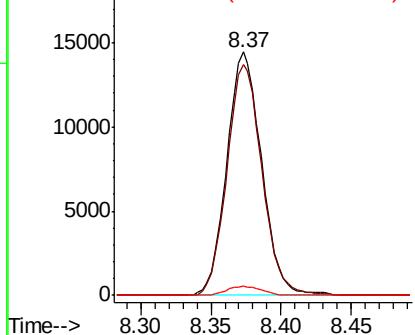


Abundance

Ion 106.95 (106.65 to 107.65): V

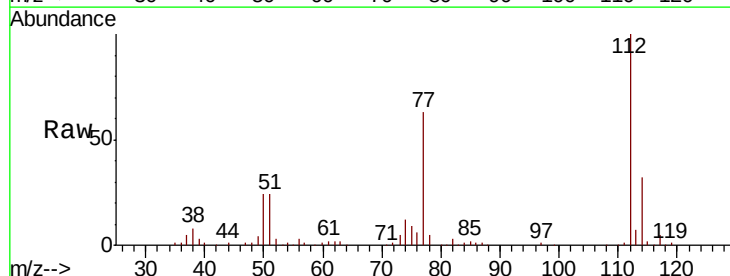
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.073 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.9	42.5
77	63.3	49.8	74.8

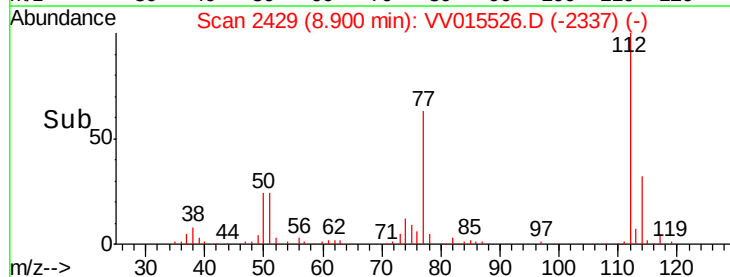
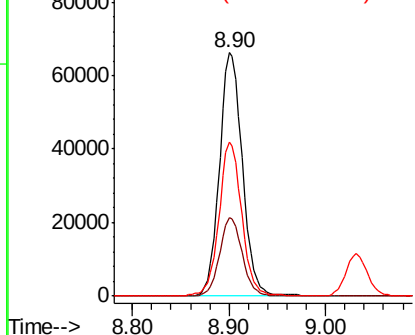


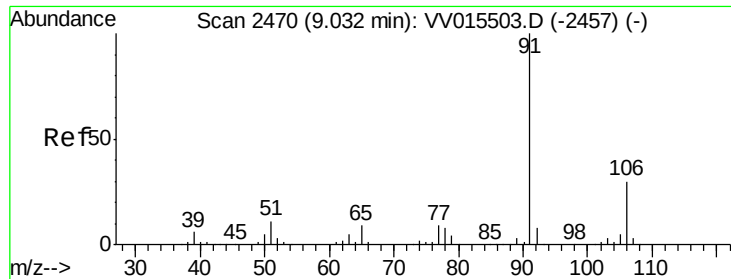
Abundance

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: 5.065 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

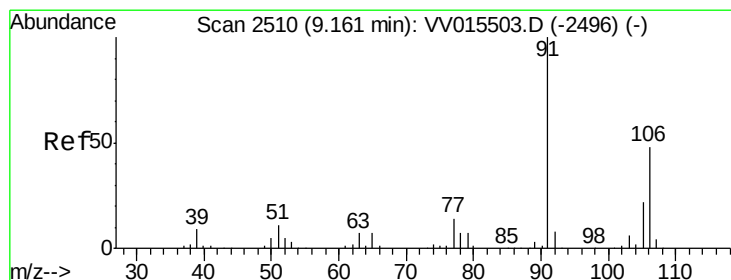
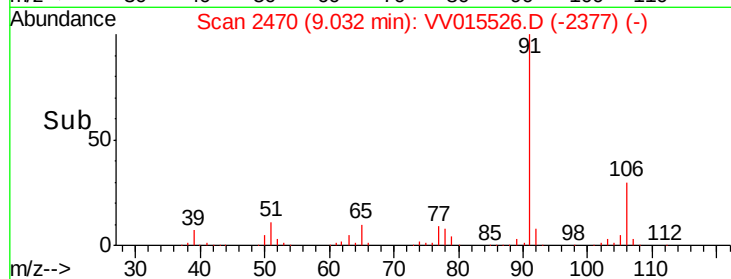
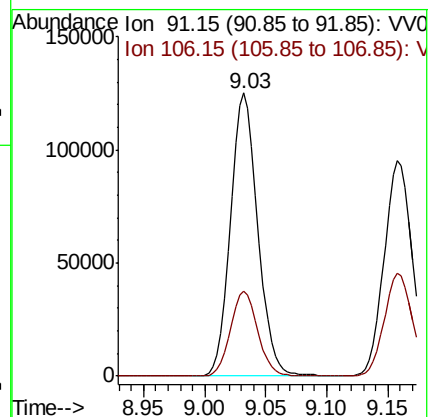
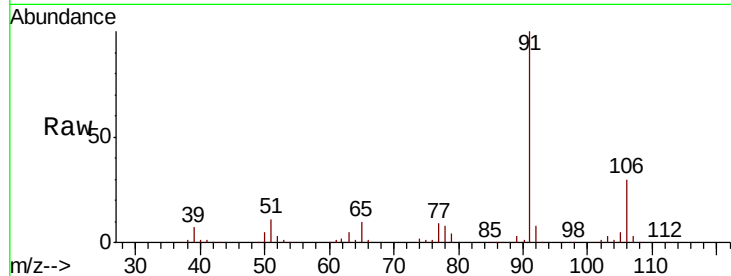
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 196518

Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



#53

m,p-xylene

Concen: 5.014 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015526.D

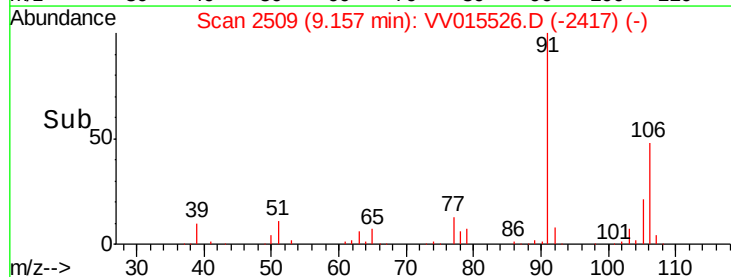
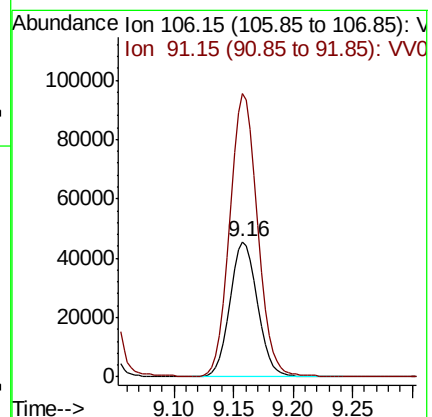
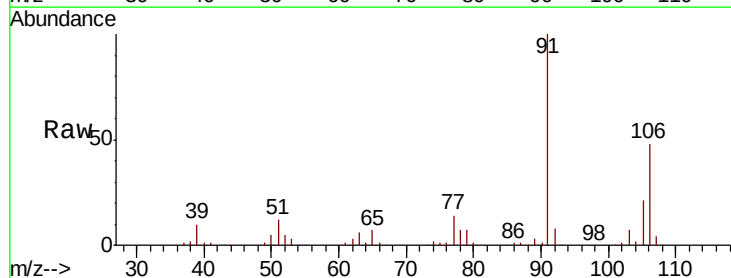
Acq: 16 Apr 2020 10:21

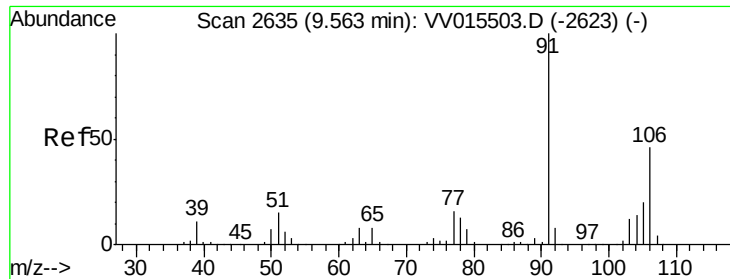
Tgt Ion: 106 Resp: 73468

Ion Ratio Lower Upper

106 100

91 209.5 147.9 274.7





#54

o-xylene

Concen: 4.923 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

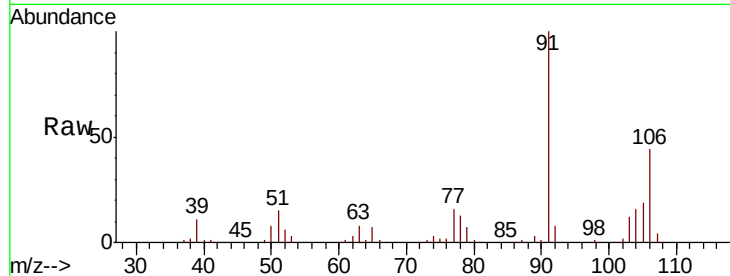
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 69823

Ion Ratio Lower Upper

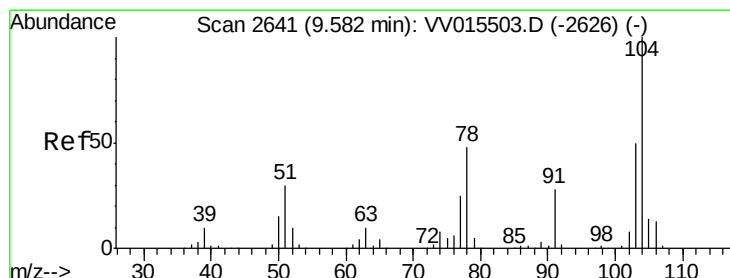
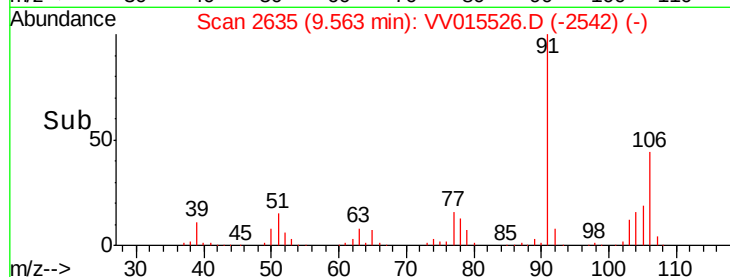
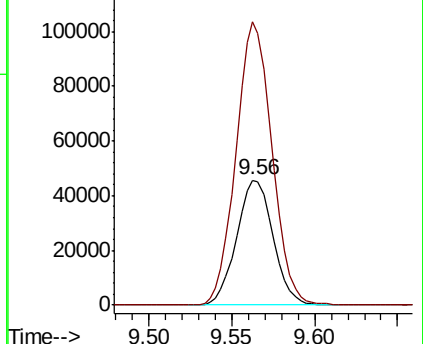
106 100

91 226.9 154.5 286.9



Abundance Ion 106.15 (105.85 to 106.85): VV015526.D (-2542) (-)

Ion 91.15 (90.85 to 91.85): VV015526.D (-2542) (-)



#55

Styrene

Concen: 4.963 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015526.D

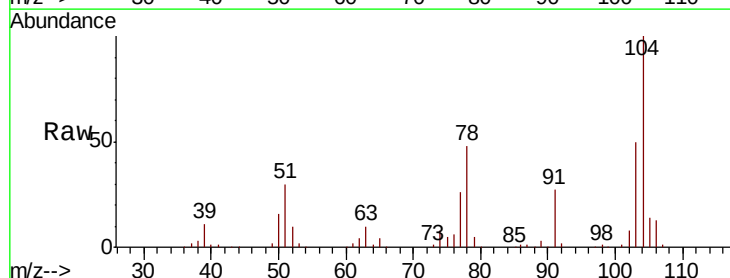
Acq: 16 Apr 2020 10:21

Tgt Ion:104 Resp: 118304

Ion Ratio Lower Upper

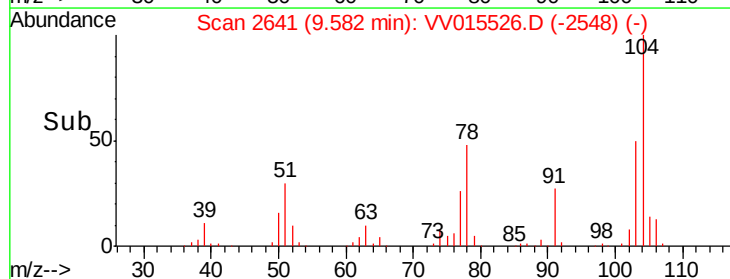
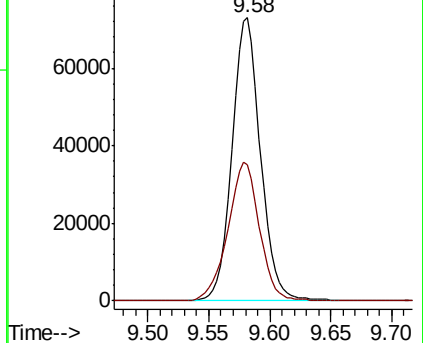
104 100

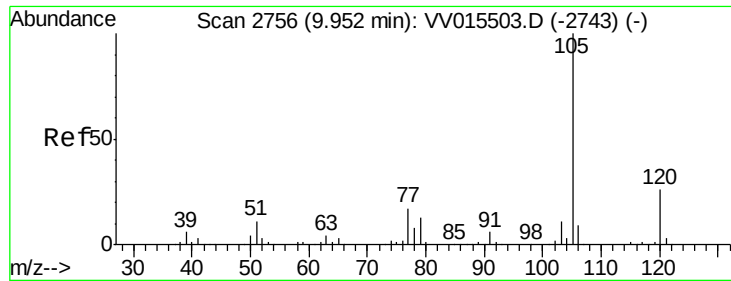
78 48.2 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): VV015526.D (-2548) (-)

Ion 78.10 (77.80 to 78.80): VV015526.D (-2548) (-)





#56

Isopropylbenzene

Concen: 5.036 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

ClientSampleId :

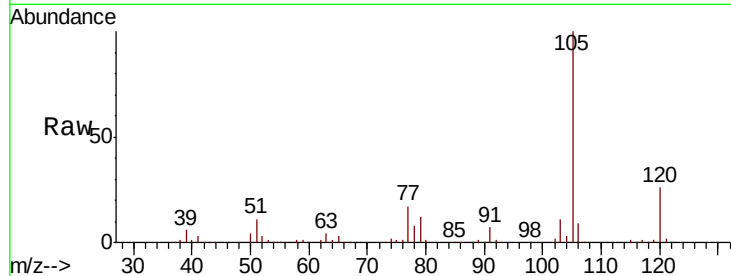
Tot Ion:105 Resp: 195827

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

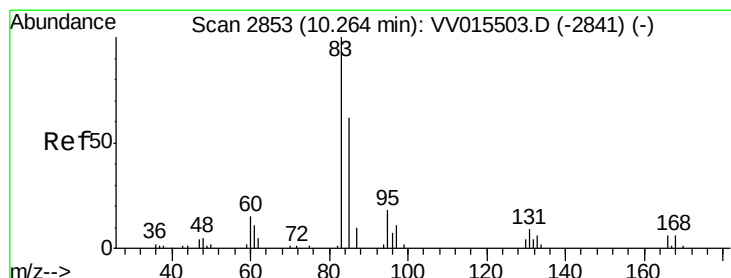
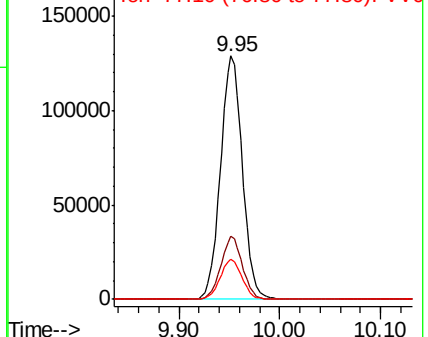
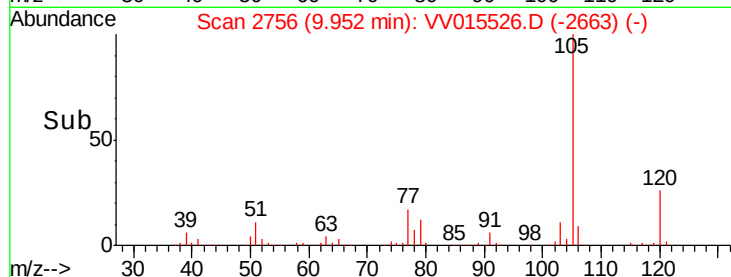
77 16.5 13.5 20.3



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: 4.722 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

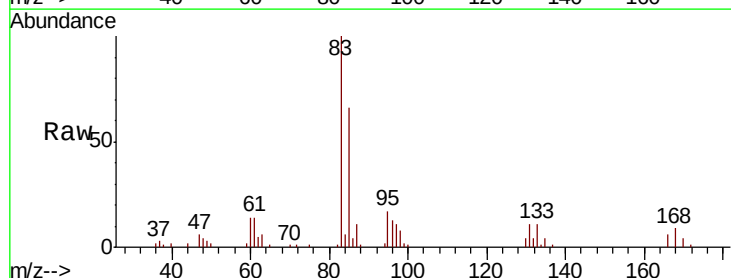
Tgt Ion: 83 Resp: 29749

Ion Ratio Lower Upper

83 100

85 65.7 44.5 82.7

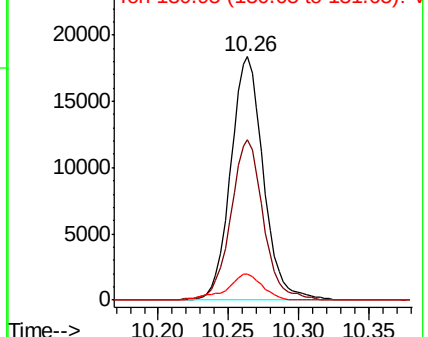
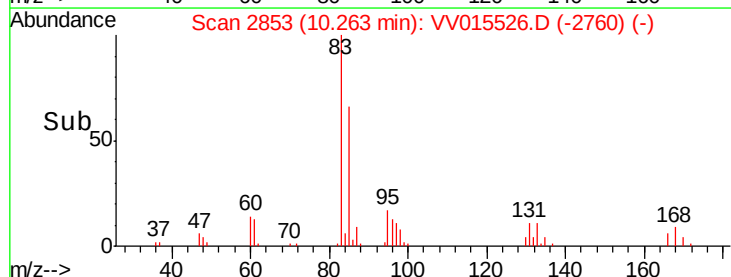
131 10.6 7.5 11.3

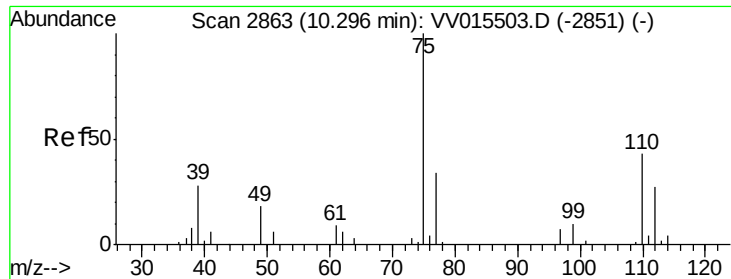


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.020 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

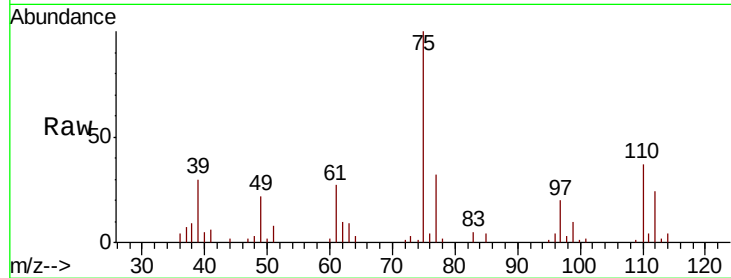
ClientSampleId :

Tot Ion: 75 Resp: 23902

Ion Ratio Lower Upper

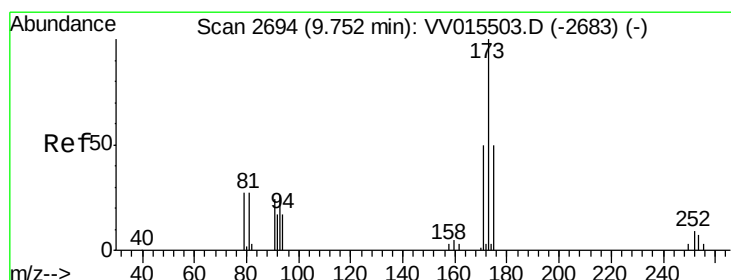
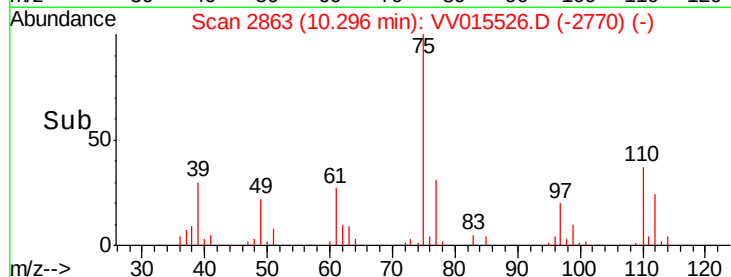
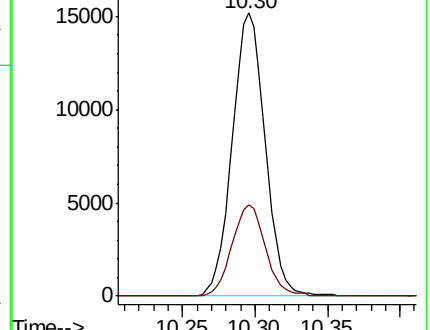
75 100

77 32.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015503.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015503.D (-2851) (-)



#61

Bromoform

Concen: 5.021 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

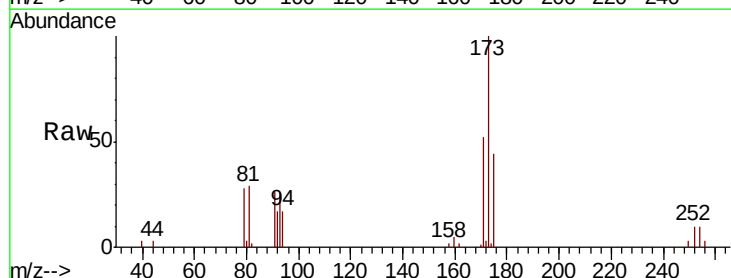
Tgt Ion:173 Resp: 15459

Ion Ratio Lower Upper

173 100

175 47.1 38.2 57.2

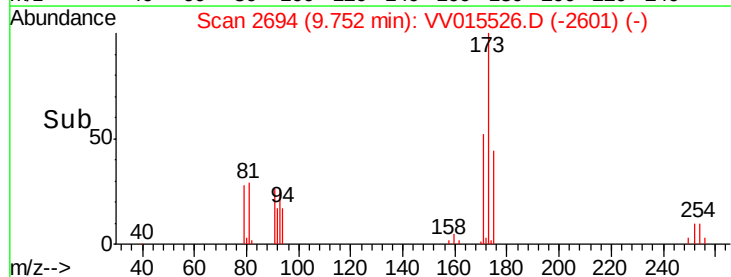
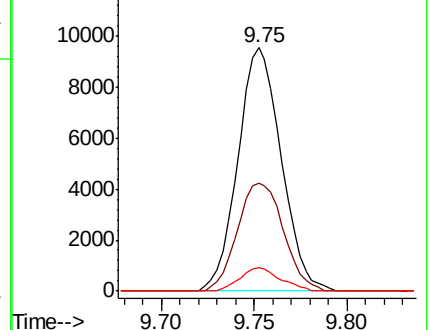
254 9.0 6.6 10.0

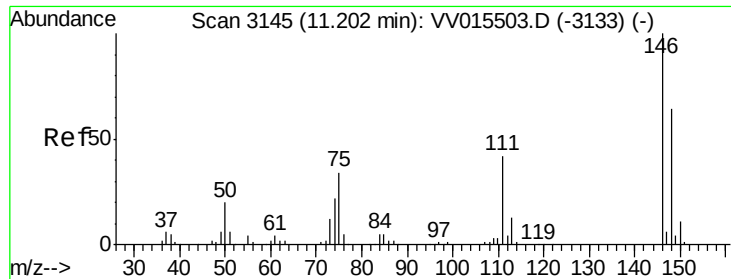


Abundance Ion 172.90 (172.60 to 173.60): VV015503.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015503.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015503.D (-2683) (-)

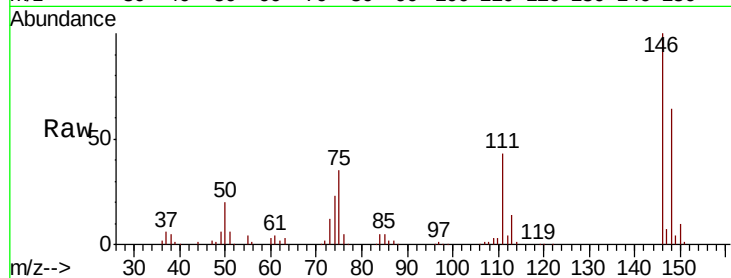




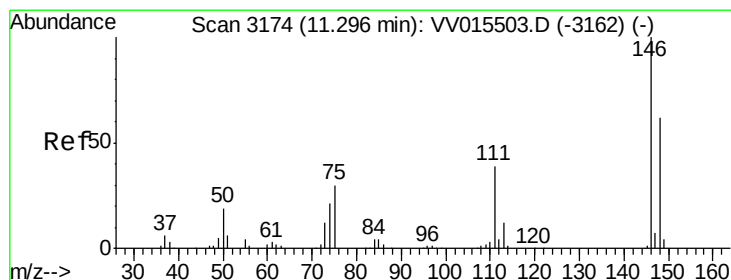
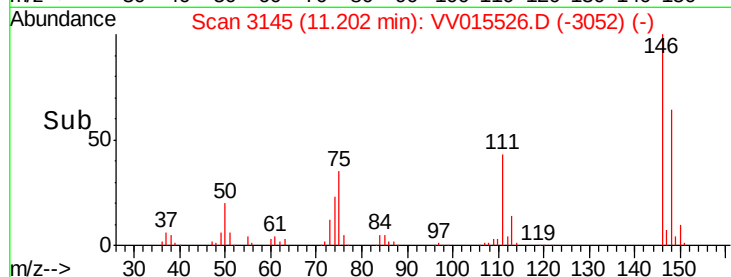
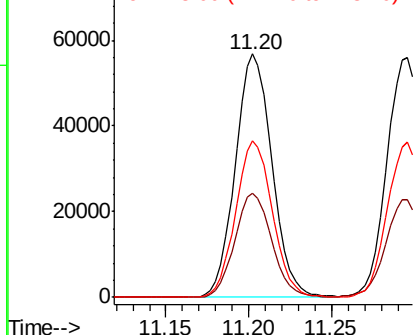
#62
 1,3-Dichlorobenzene
 Concen: 5.155 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 87248
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.3 54.5
 148 64.2 42.4 78.6

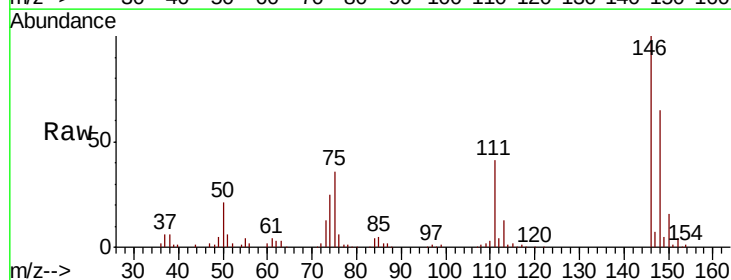


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

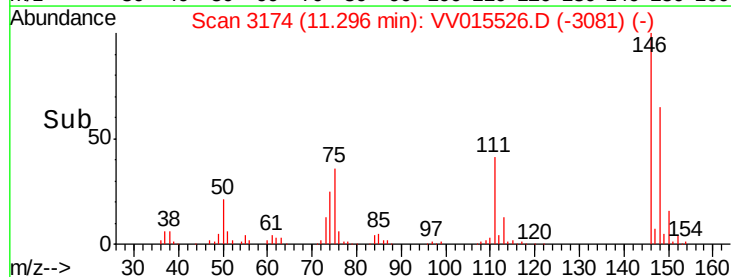
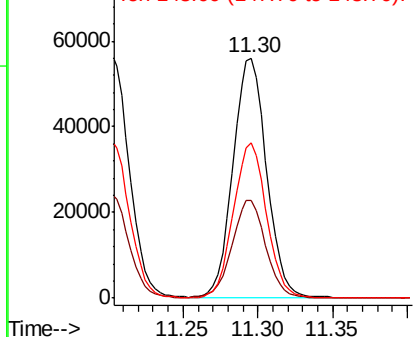


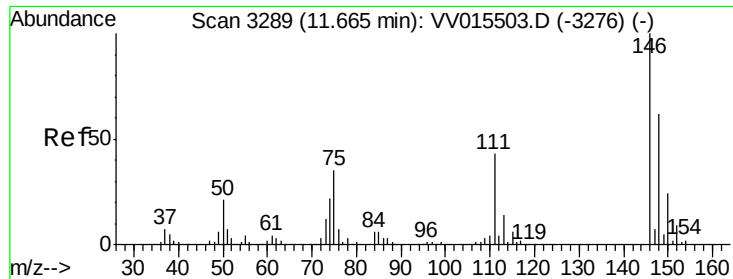
#63
 1,4-Dichlorobenzene
 Concen: 5.064 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion:146 Resp: 87211
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.4 54.6
 148 64.6 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

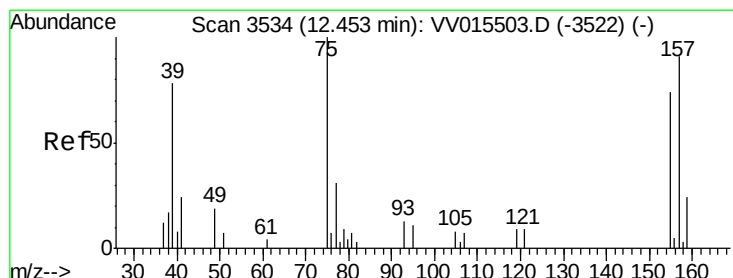
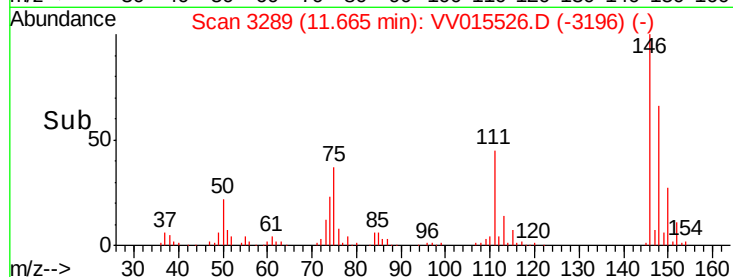
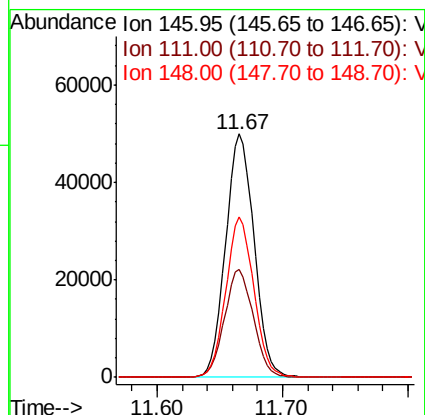
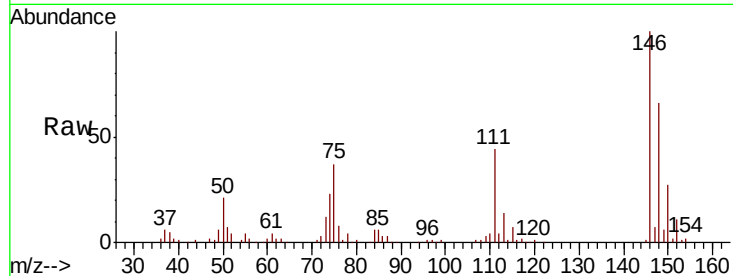




#65
 1,2-Dichlorobenzene
 Concen: 5.100 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

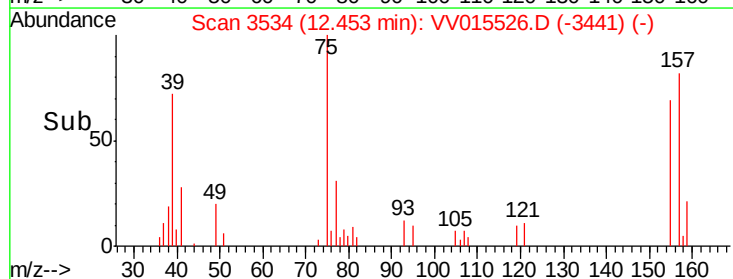
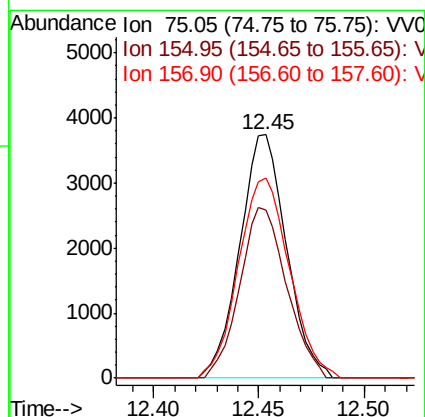
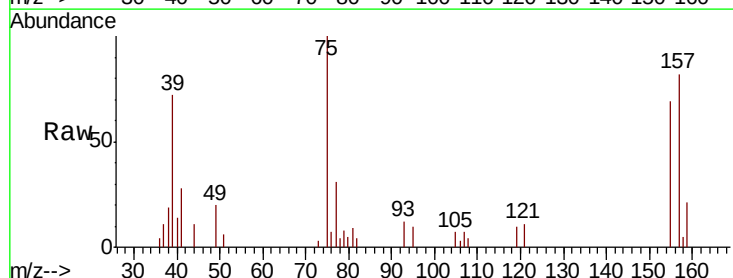
Instrument :
 MSVOA_V
 ClientSampled :

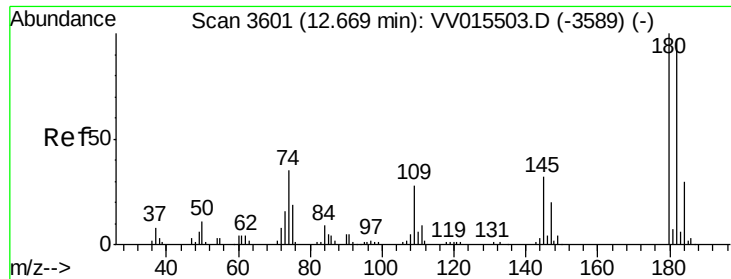
Tot Ion:146 Resp: 78699
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.8 53.6
 148 65.8 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.886 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion: 75 Resp: 5769
 Ion Ratio Lower Upper
 75 100
 155 69.2 60.8 91.2
 157 82.0 75.7 113.5

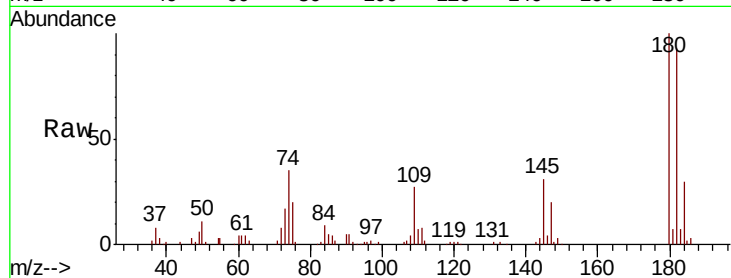




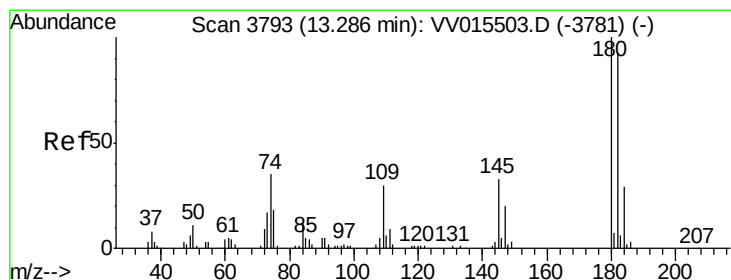
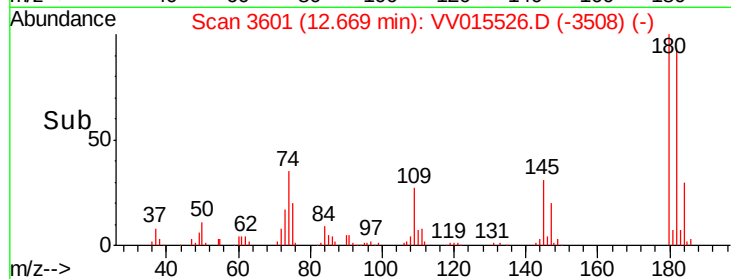
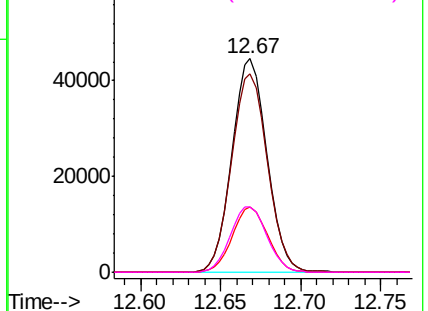
#67
 1,3,5-Trichlorobenzene
 Concen: 5.425 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 66353
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 184 30.5 24.0 36.0
 145 32.0 26.1 39.1

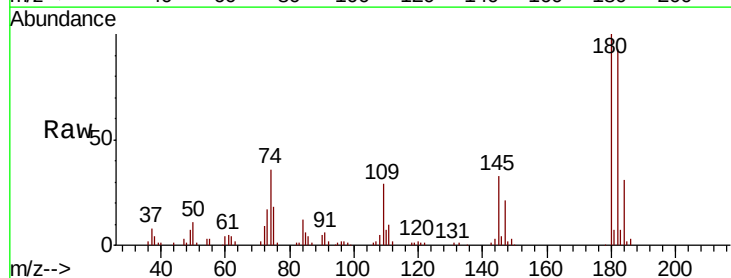


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

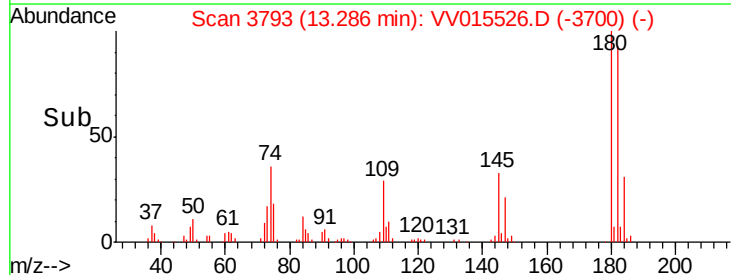
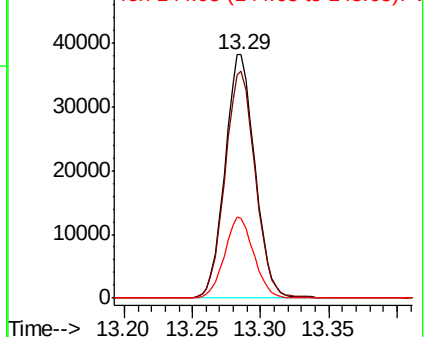


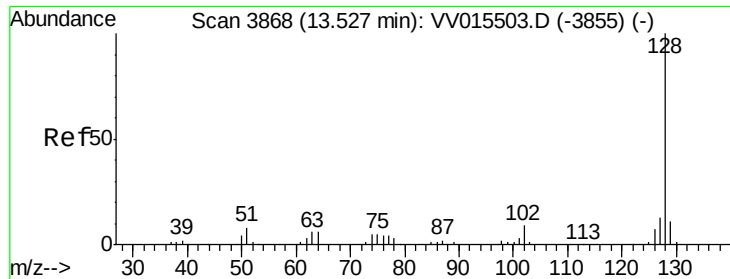
#68
 1,2,4-trichlorobenzene
 Concen: 5.277 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015526.D
 Acq: 16 Apr 2020 10:21

Tgt Ion:180 Resp: 58141
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 115.0
 145 32.7 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: 4.576 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

Instrument :

MSVOA_V

ClientSampleId :

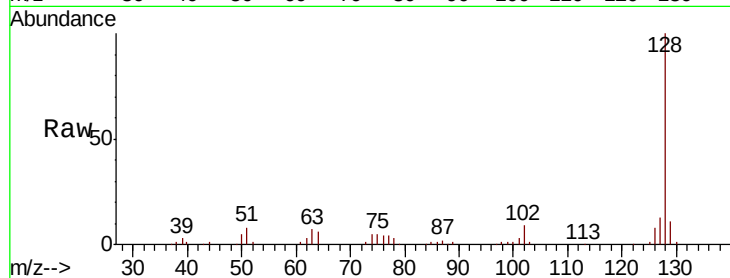
Tot Ion:128 Resp: 94986

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

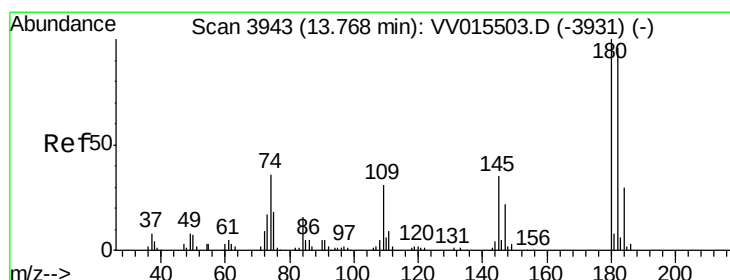
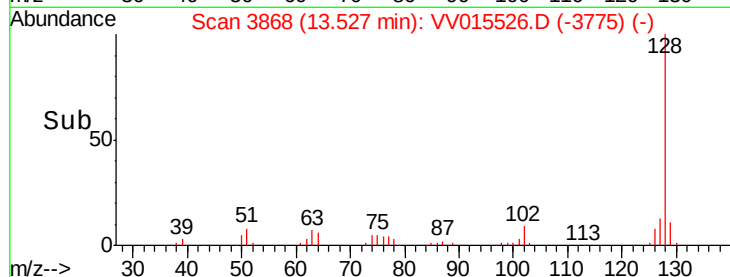
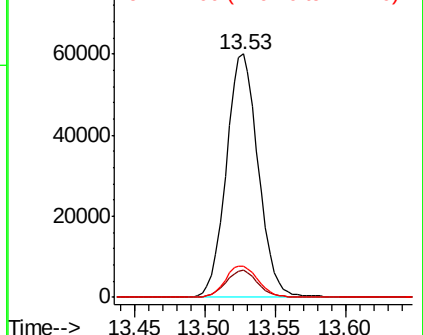
127 13.3 10.4 15.6



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: 5.217 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015526.D

Acq: 16 Apr 2020 10:21

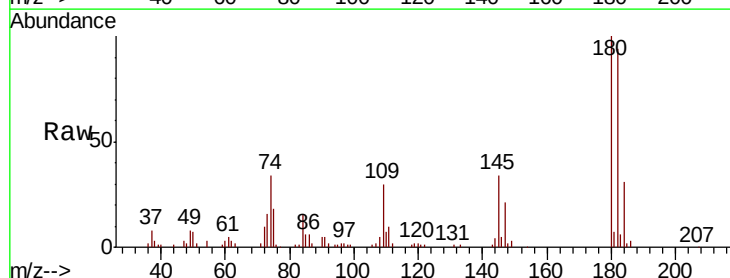
Tgt Ion:180 Resp: 50766

Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 34.1 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

