

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081419\
 Data File : VV012231.D
 Acq On : 14 Aug 2019 09:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 15 17:58:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 14 15:22:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	262929	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	252623	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69359	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.58	69	56224	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.13	63	124017	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	3.96	46	161310	46.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.22%
24) Chloroform-d	4.40	84	146284	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	68391	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.09	84	288347	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.12	67	85639	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	274492	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	33571	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.13	63	111099	48.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	59888	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	95143	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	128243	5.082	ug/L 99
3) Chloromethane	1.25	50	108909	4.765	ug/L 100
5) Vinyl chloride	1.32	62	112914	4.809	ug/L 98
6) Bromomethane	1.53	94	63910	4.816	ug/L 98
8) Chloroethane	1.60	64	65130	4.808	ug/L 98
9) Trichlorofluoromethane	1.77	101	144362	4.887	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	78348	5.246	ug/L 99
12) 1,1-Dichloroethene	2.14	96	71475	5.167	ug/L 96
13) Acetone	2.23	43	111620	51.196	ug/L 98
14) Carbon disulfide	2.31	76	214533	5.296	ug/L 99
15) Methyl Acetate	2.47	43	26378	4.792	ug/L 98
16) Methylene chloride	2.53	84	74932	5.024	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	199262	5.230	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	96304	5.219	ug/L 96
19) 1,1-Dichloroethane	3.23	63	172132	5.094	ug/L 99
21) 2-Butanone	4.05	43	220368	49.432	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	97360	4.778	ug/L 100

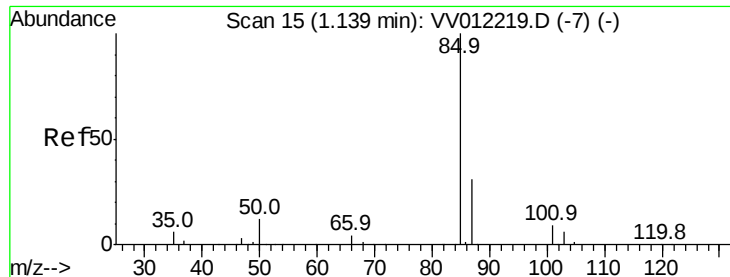
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081419\
 Data File : VV012231.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 14 15:22:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	42874	4.936	ug/L	99
25) Chloroform	4.42	83	179279	4.672	ug/L	99
27) 1,2-Dichloroethane	5.18	62	105053	4.985	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	157043	5.083	ug/L	98
30) Cyclohexane	4.72	56	154590	5.024	ug/L	99
31) Carbon tetrachloride	4.87	117	142513	5.098	ug/L	98
33) Benzene	5.14	78	386323	5.070	ug/L	100
34) Trichloroethene	5.96	95	101889	4.936	ug/L	97
35) Methylcyclohexane	6.17	83	165515	5.161	ug/L	99
37) 1,2-Dichloropropane	6.22	63	93775	4.932	ug/L	99
38) Bromodichloromethane	6.55	83	121820	4.973	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	133632	5.104	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	539861	51.647	ug/L	100
42) Toluene	7.43	91	417727	5.153	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	106481	5.168	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	64360	5.075	ug/L	98
47) Tetrachloroethene	8.02	164	86950	5.111	ug/L	99
48) 2-Hexanone	8.19	43	385184	52.282	ug/L	99
49) Dibromochloromethane	8.29	129	79372	5.042	ug/L	95
50) 1,2-Dibromoethane	8.40	107	59399	4.849	ug/L	97
51) Chlorobenzene	8.92	112	261742	4.986	ug/L	99
52) Ethylbenzene	9.05	91	442600	5.123	ug/L	99
53) m,p-xylene	9.18	106	175194	5.281	ug/L	99
54) o-xylene	9.59	106	166001	5.287	ug/L	96
55) Styrene	9.60	104	281986	5.374	ug/L	99
56) Isopropylbenzene	9.97	105	442882	5.274	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	72254	4.911	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	53645	4.973	ug/L	97
61) Bromoform	9.77	173	42358	5.120	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	212928	4.985	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	210129	4.936	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	194880	4.972	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11163	4.473	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	160503	4.976	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	123633	5.156	ug/L	98
69) Naphthalene	13.55	128	175539	5.065	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	113947	5.032	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.082 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

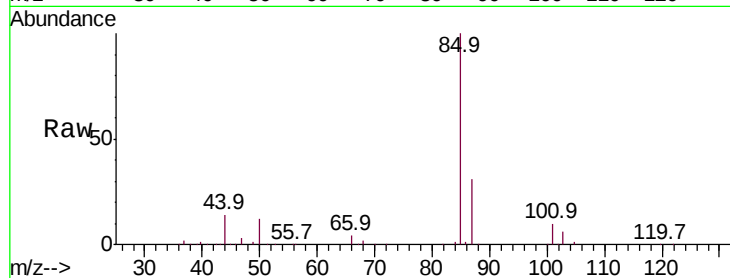
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 128243

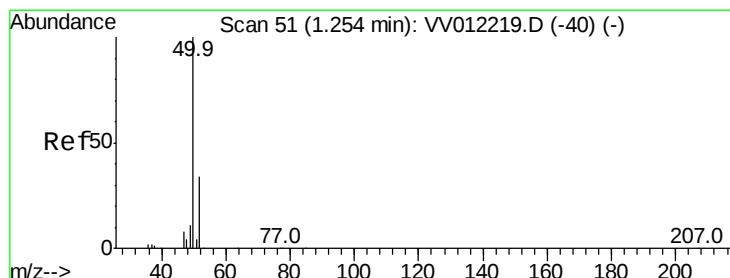
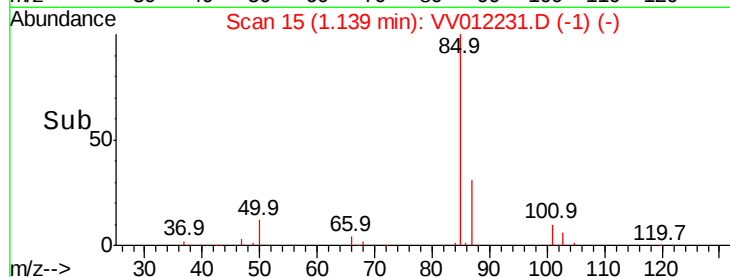
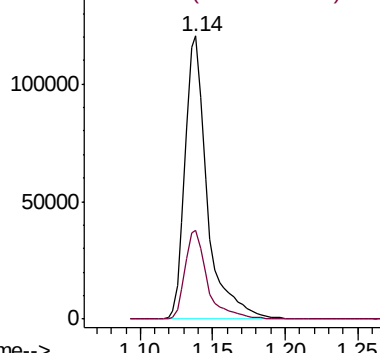
Ion Ratio Lower Upper

85 100

87 31.6 25.7 38.5



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



#3

Chloromethane

Concen: 4.765 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012231.D

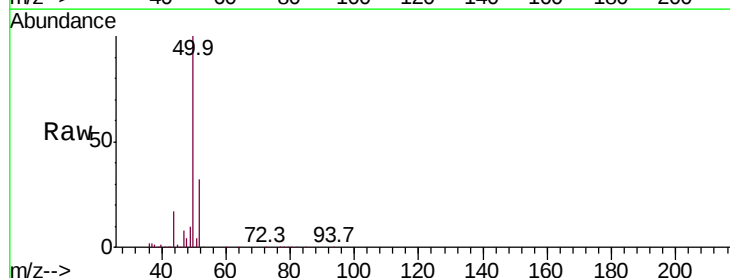
Acq: 14 Aug 2019 09:45

Tgt Ion: 50 Resp: 108909

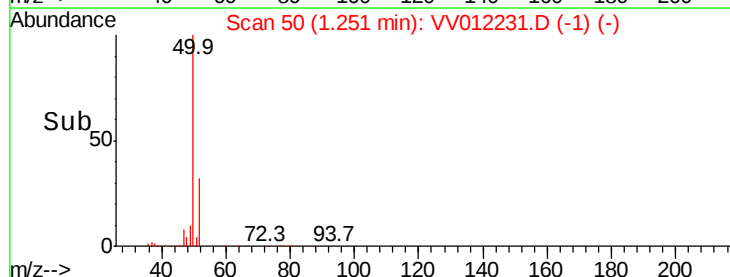
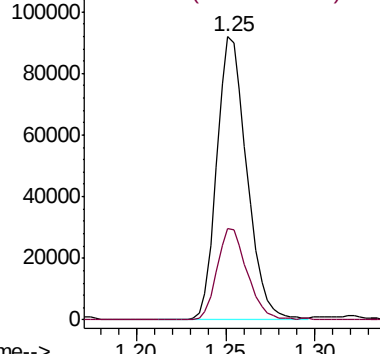
Ion Ratio Lower Upper

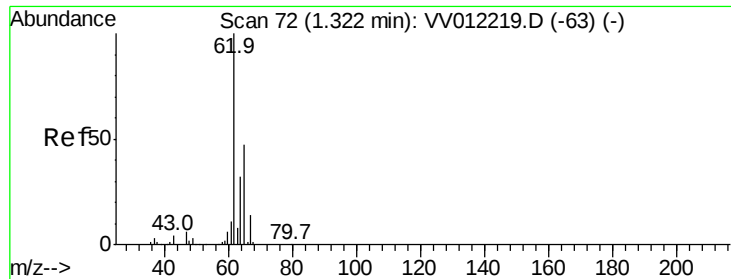
50 100

52 32.1 22.6 42.0



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





#5

Vinyl chloride

Concen: 4.809 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

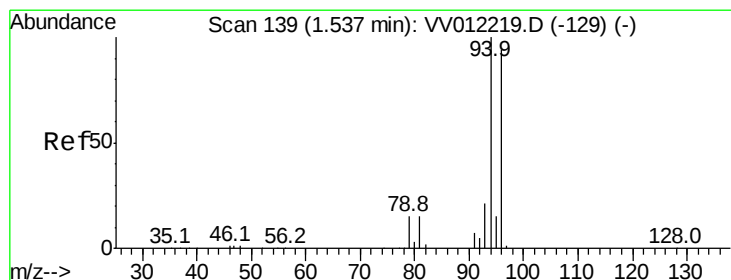
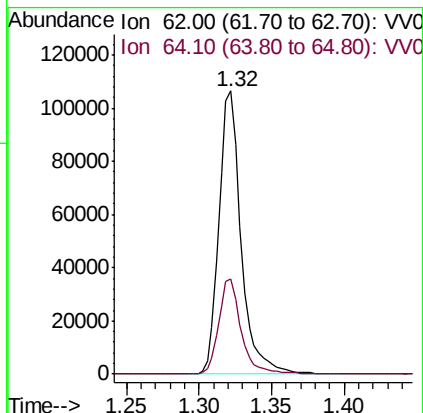
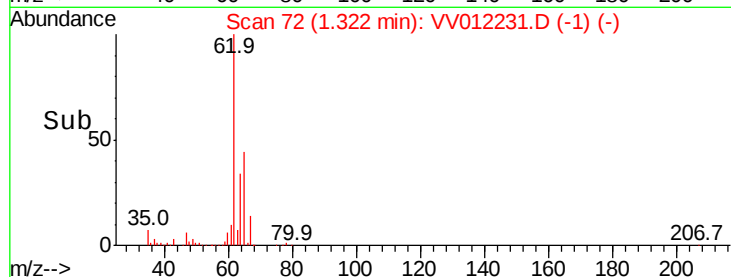
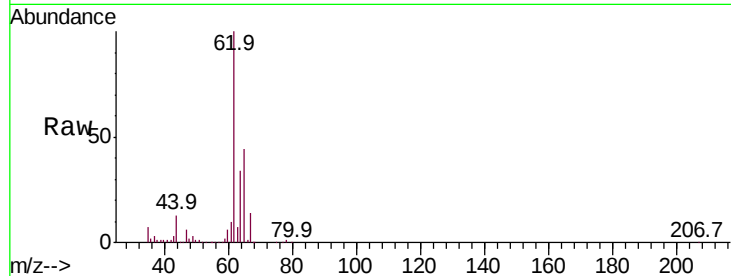
ClientSampled :

Tot Ion: 62 Resp: 112914

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



#6

Bromomethane

Concen: 4.816 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012231.D

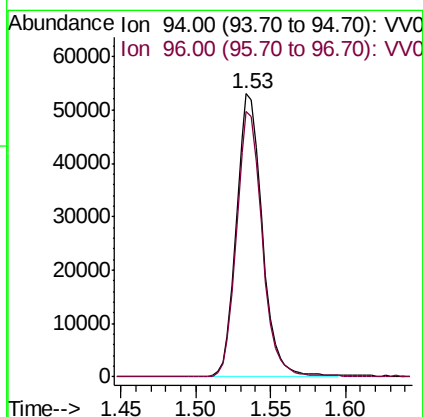
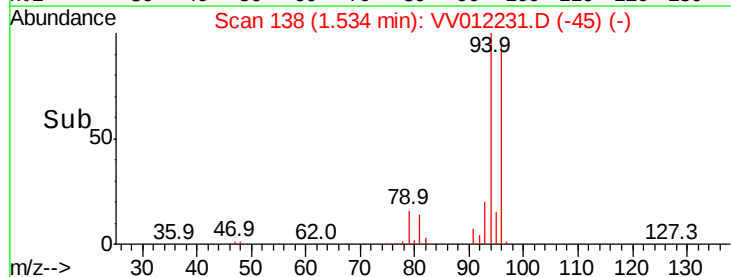
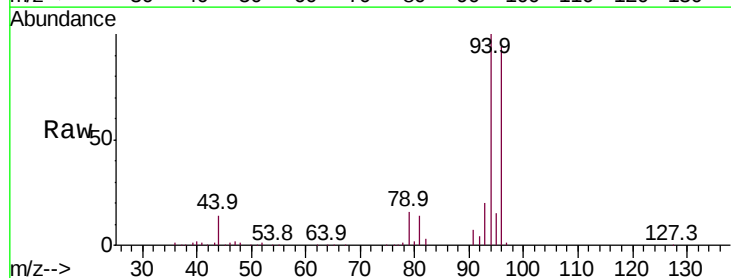
Acq: 14 Aug 2019 09:45

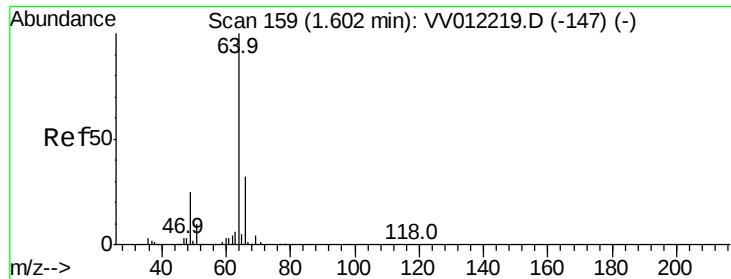
Tgt Ion: 94 Resp: 63910

Ion Ratio Lower Upper

94 100

96 94.0 67.3 125.1

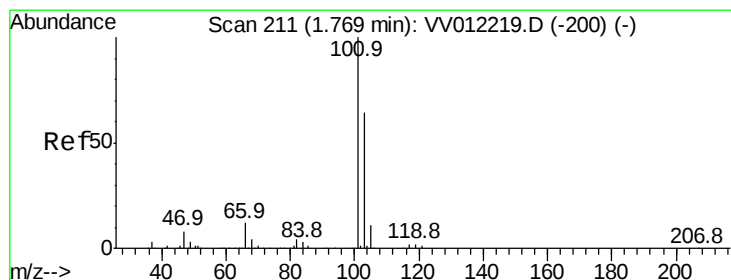
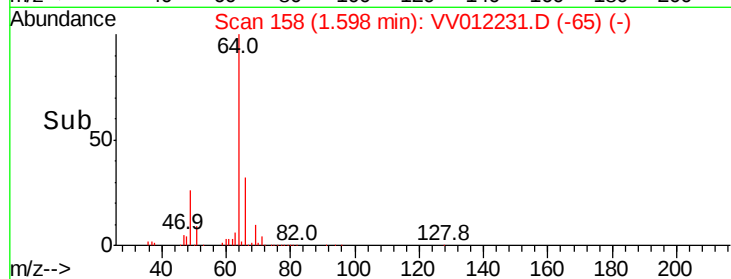
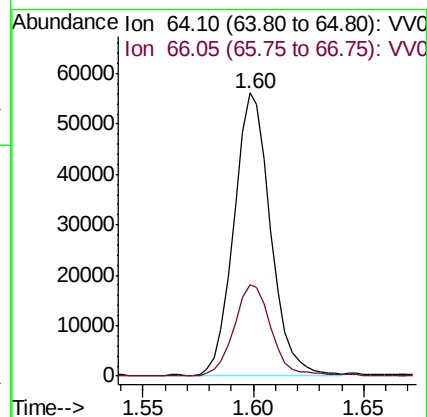
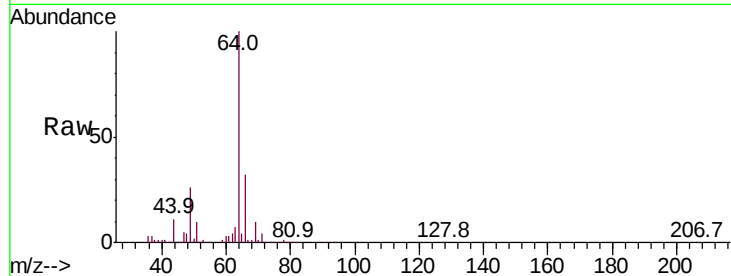




#8
Chloroethane
Concen: 4.808 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

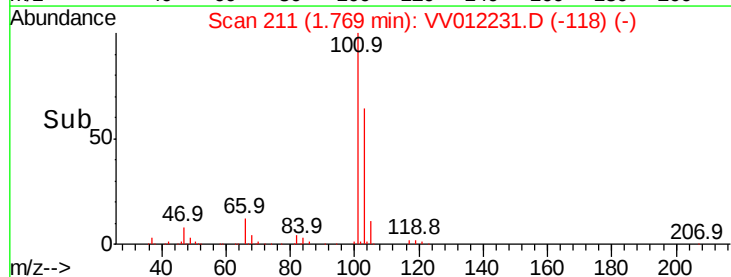
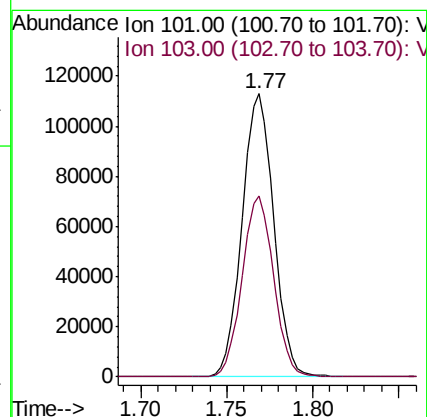
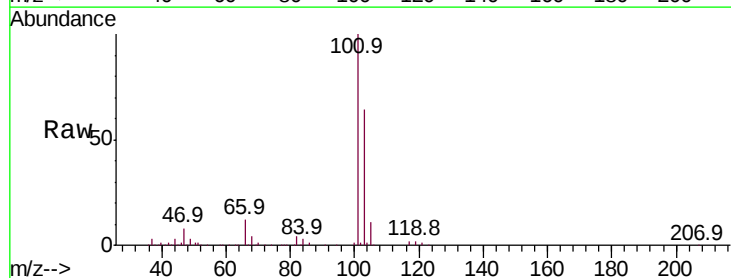
Instrument :
MSVOA_V
ClientSampleId :

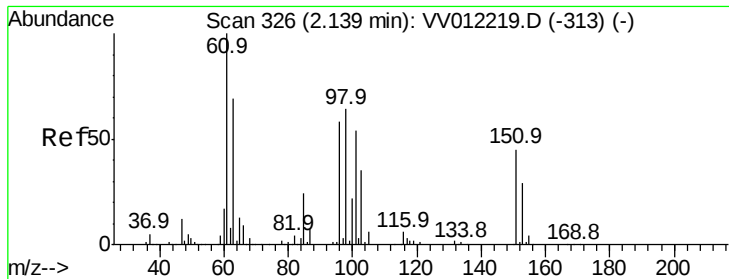
Tot Ion: 64 Resp: 65130
Ion Ratio Lower Upper
64 100
66 32.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.887 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Tgt Ion:101 Resp: 144362
Ion Ratio Lower Upper
101 100
103 63.7 52.0 78.0





#10

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

Concen: 5.246 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampled :

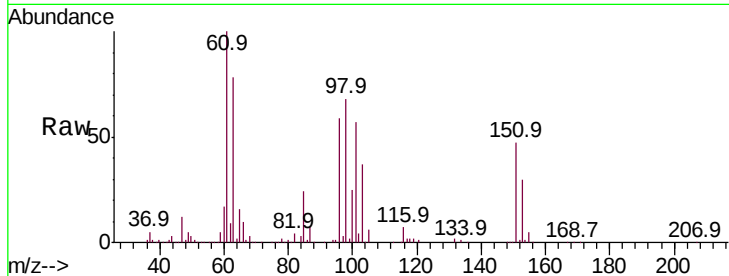
Tot Ion:101 Resp: 78348

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

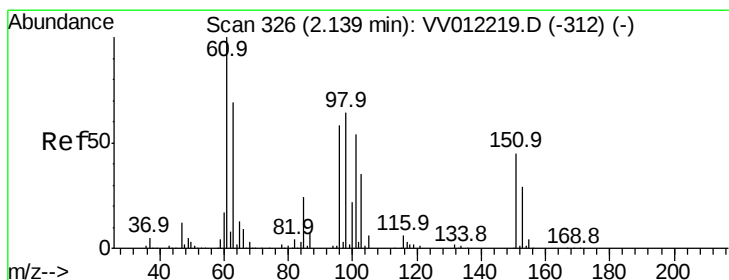
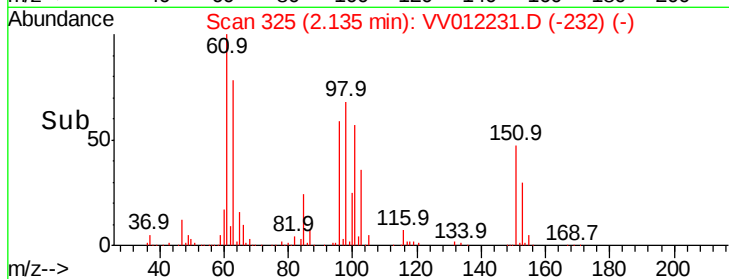
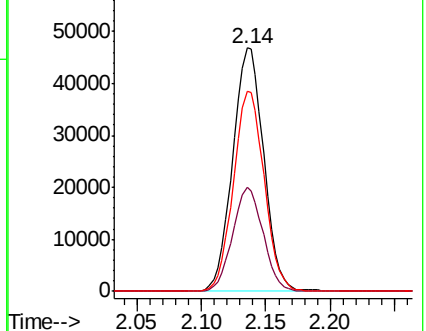
151 81.3 66.3 99.5



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: 5.167 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

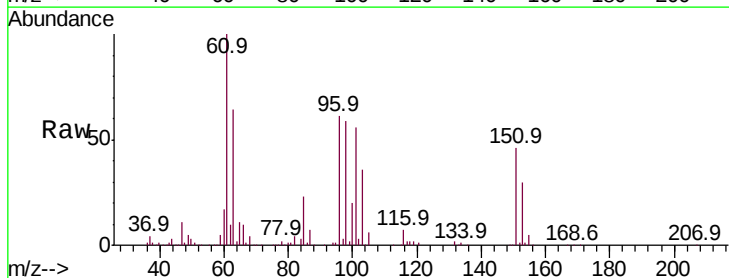
Tgt Ion: 96 Resp: 71475

Ion Ratio Lower Upper

96 100

61 163.5 119.3 221.5

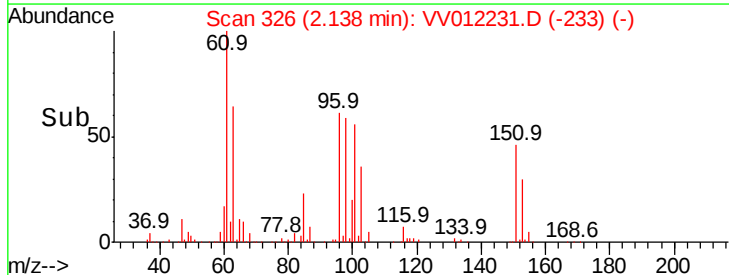
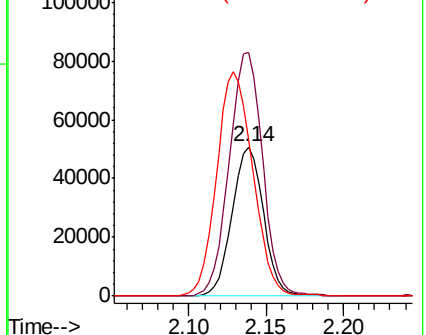
63 105.0 74.9 139.1

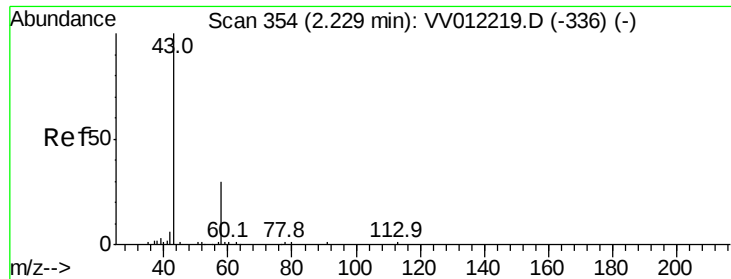


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.196 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

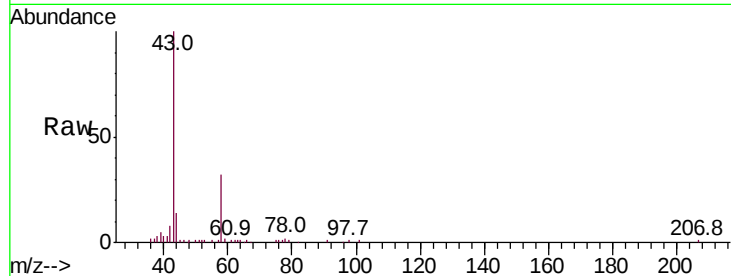
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 111620

Ion Ratio Lower Upper

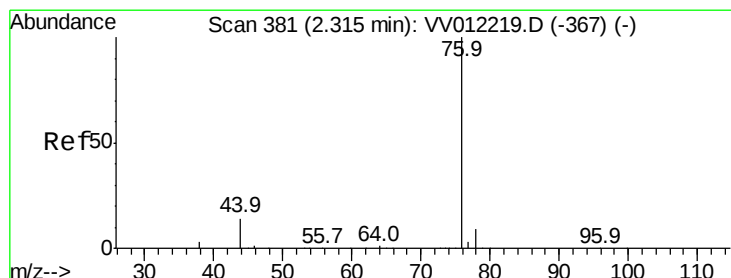
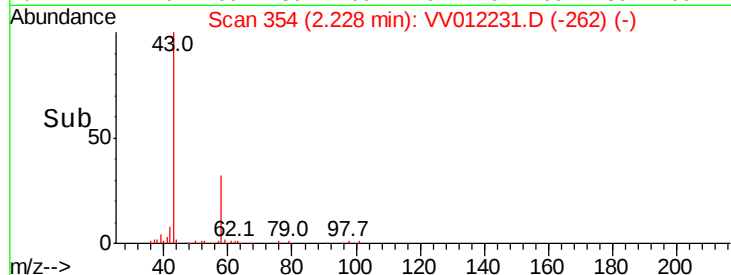
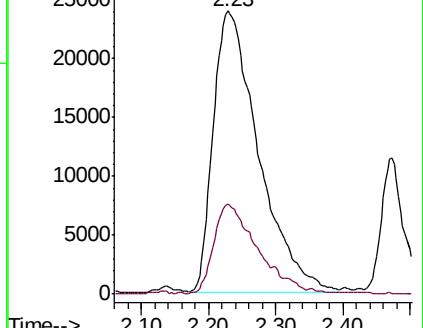
43 100

58 30.8 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012219.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012219.D (-336) (-)



#14

Carbon disulfide

Concen: 5.296 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012231.D

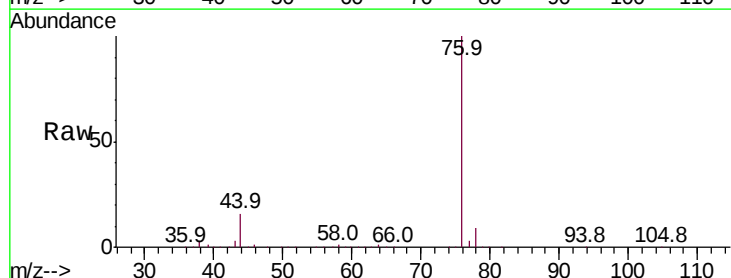
Acq: 14 Aug 2019 09:45

Tgt Ion: 76 Resp: 214533

Ion Ratio Lower Upper

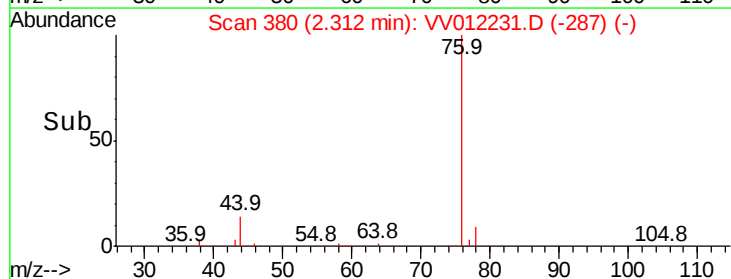
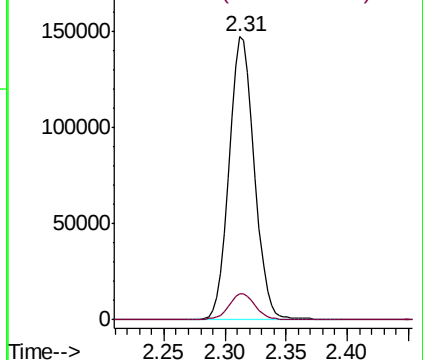
76 100

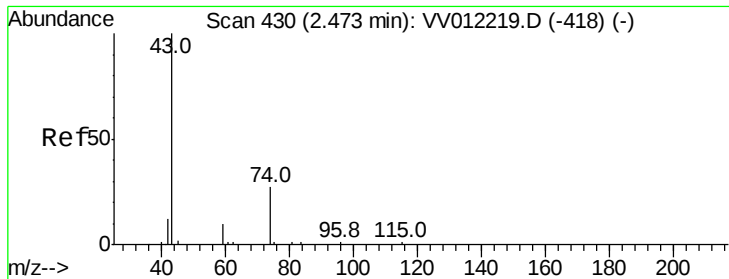
78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012219.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV012219.D (-367) (-)





#15

Methvl Acetate

Concen: 4.792 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

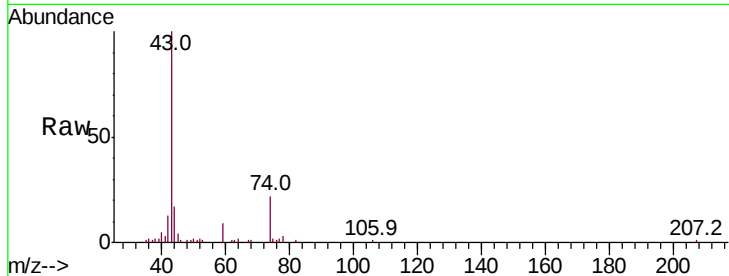
ClientSampled :

Tot Ion: 43 Resp: 26378

Ion Ratio Lower Upper

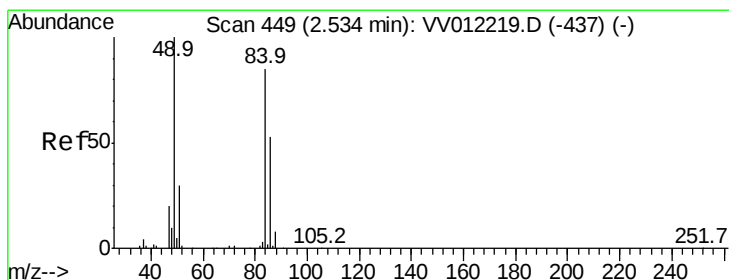
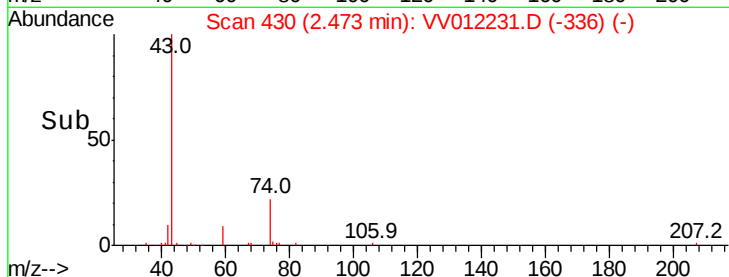
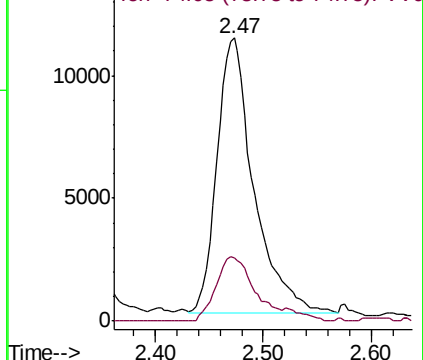
43 100

74 24.4 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.024 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

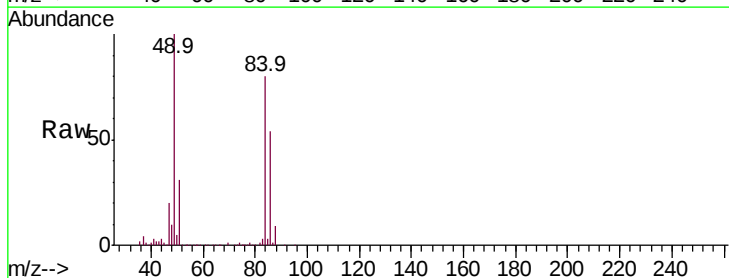
Tgt Ion: 84 Resp: 74932

Ion Ratio Lower Upper

84 100

86 66.9 44.4 82.5

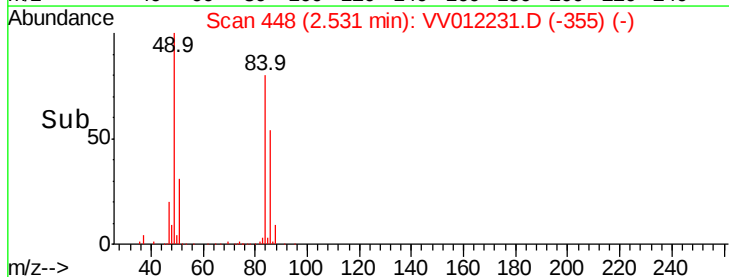
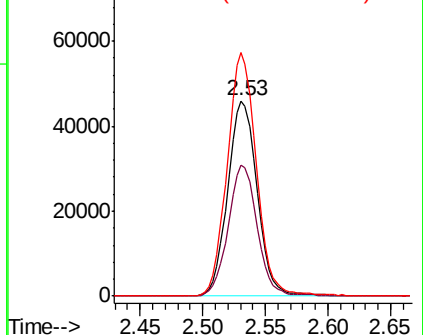
49 124.5 85.1 158.1

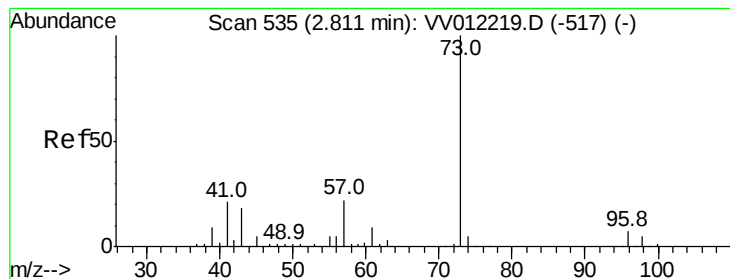


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



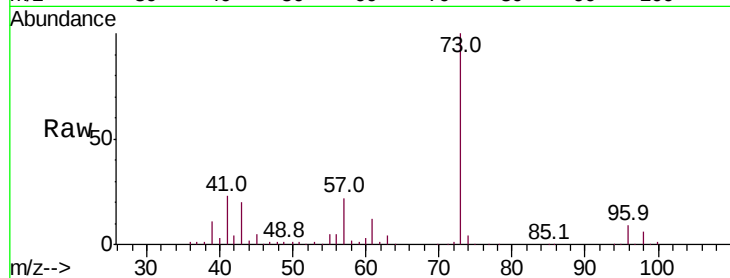


#17

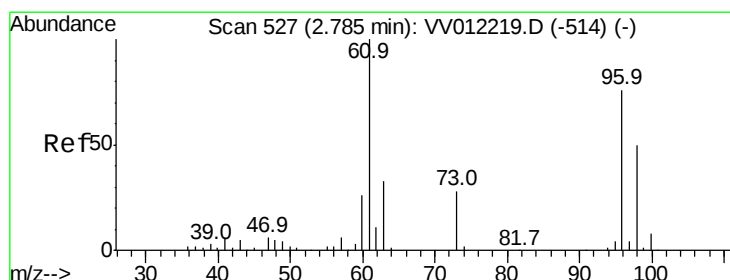
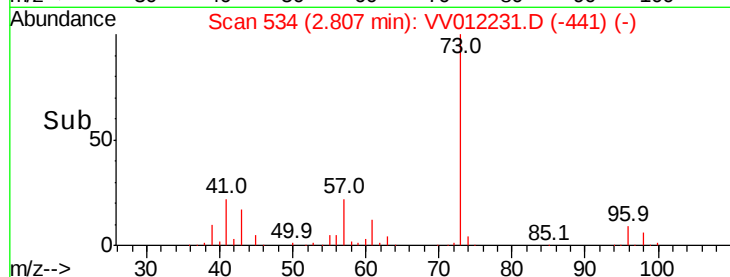
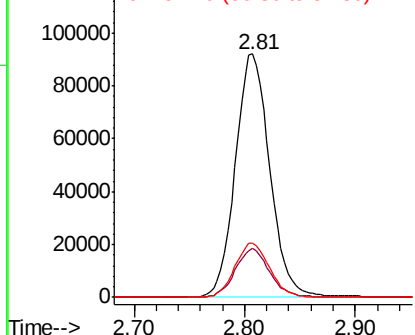
Methvl tert-butvl Ether
 Concen: 5.230 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 199262
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.4 23.0
 57 22.7 17.8 26.6



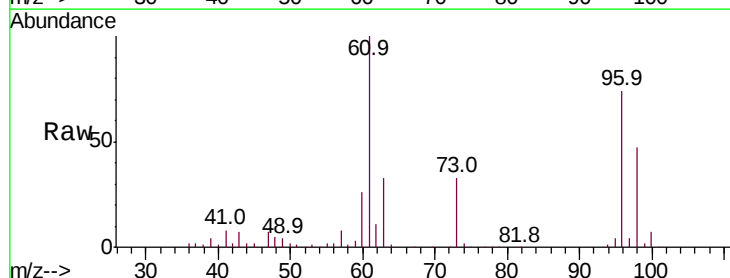
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



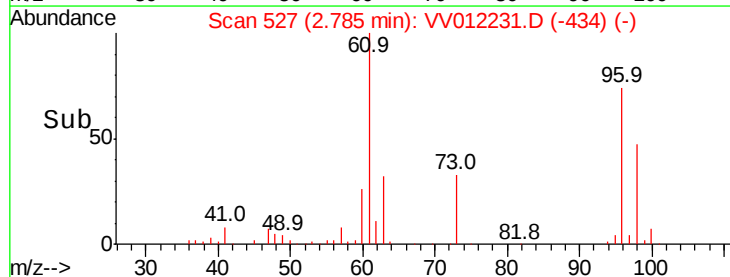
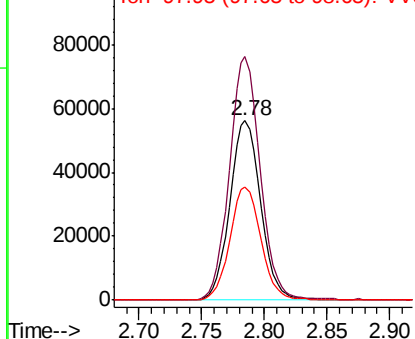
#18

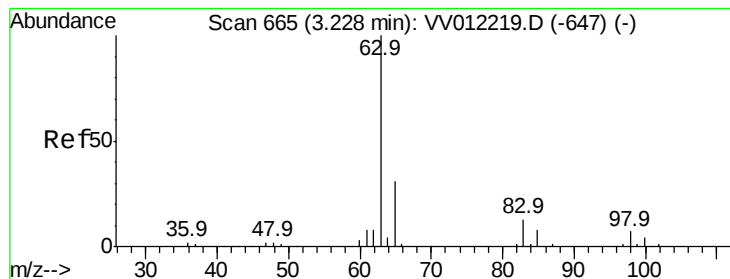
trans-1,2-Dichloroethene
 Concen: 5.219 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion: 96 Resp: 96304
 Ion Ratio Lower Upper
 96 100
 61 135.9 90.8 168.6
 98 63.5 44.4 82.4



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: 5.094 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :
MSVOA_V
ClientSampleId :

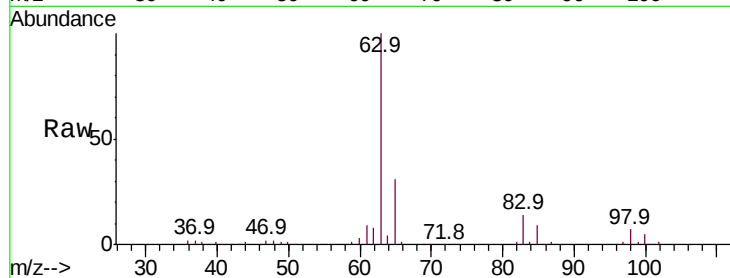
Tot Ion: 63 Resp: 172132

Ion Ratio Lower Upper

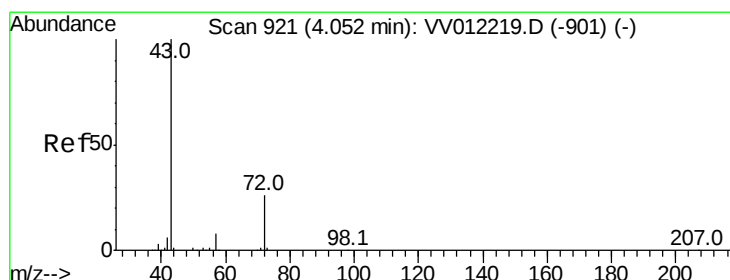
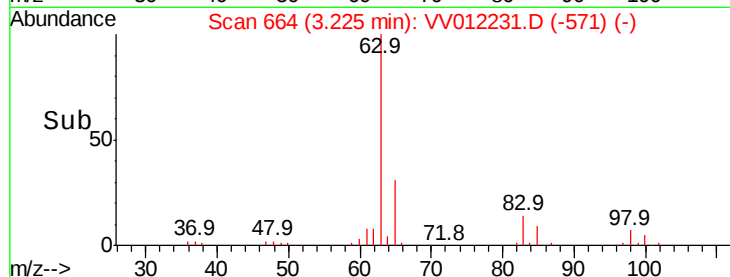
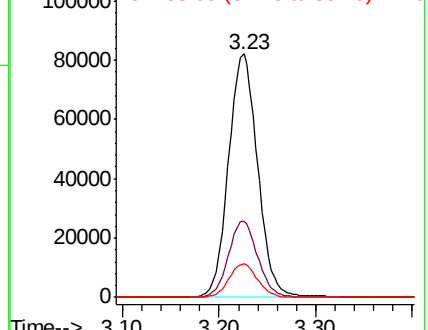
63 100

65 31.4 21.7 40.3

83 13.9 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 49.432 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV012231.D

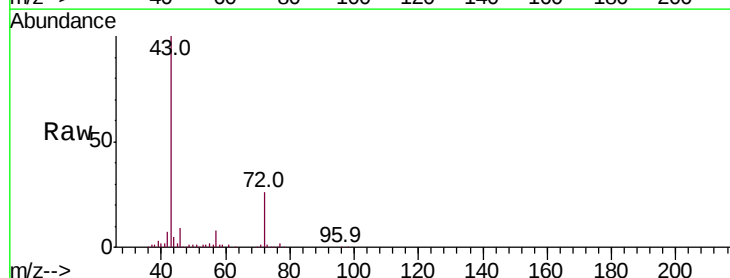
Acq: 14 Aug 2019 09:45

Tgt Ion: 43 Resp: 220368

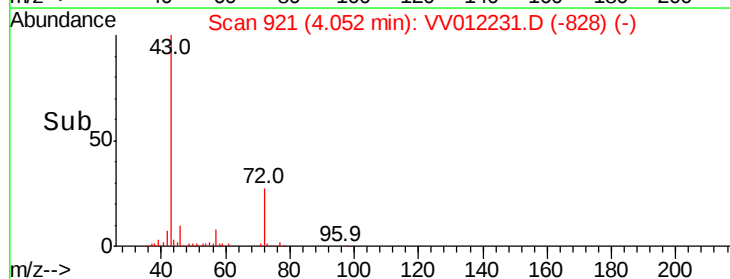
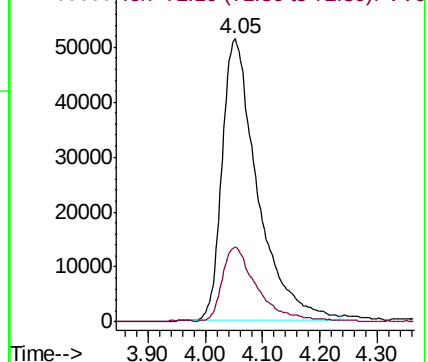
Ion Ratio Lower Upper

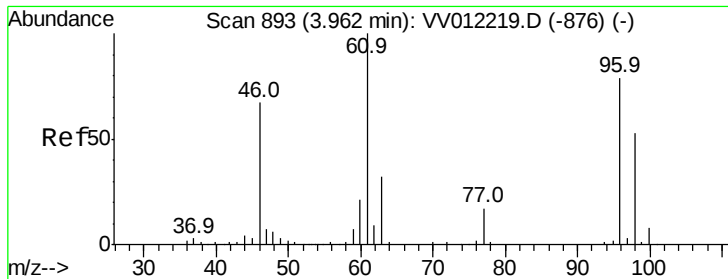
43 100

72 25.9 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



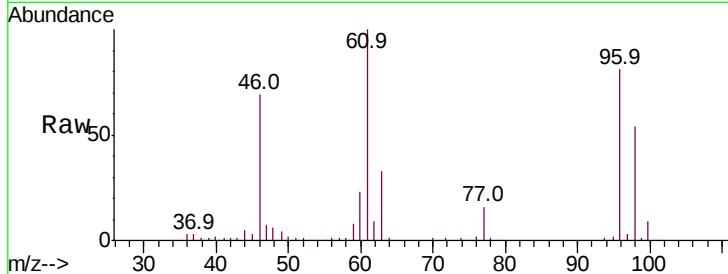


#22

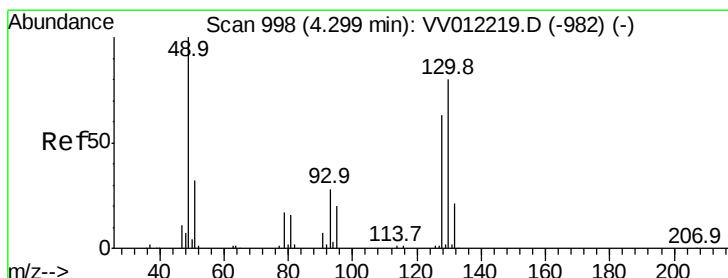
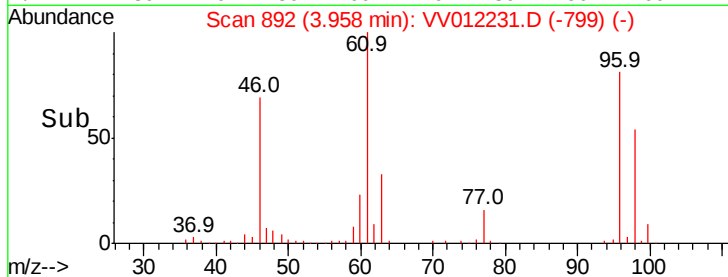
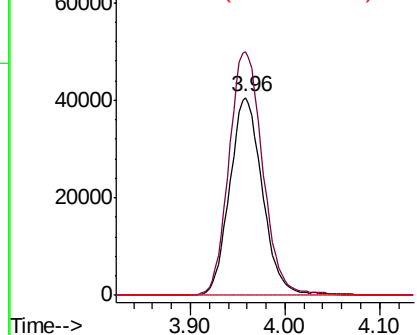
cis-1,2-Dichloroethene
 Concen: 4.778 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 97360
 Ion Ratio Lower Upper
 96 100
 61 123.1 86.0 159.6
 68 0.0 0.0 0.0



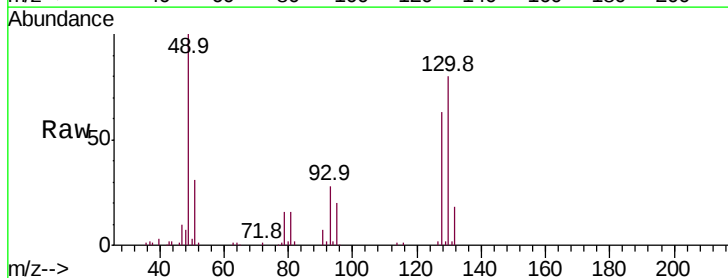
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



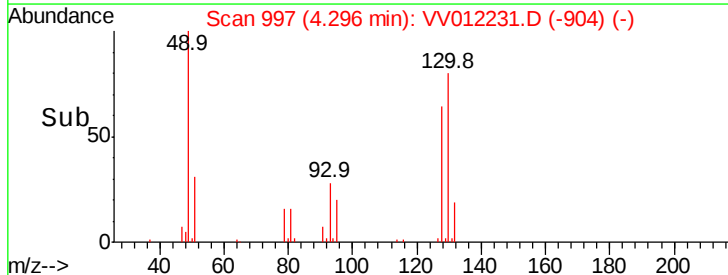
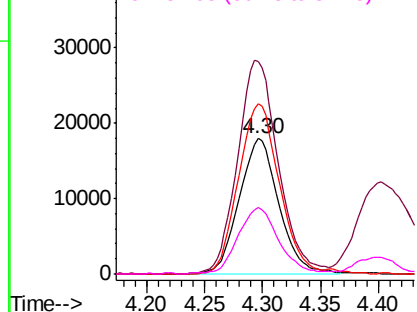
#23

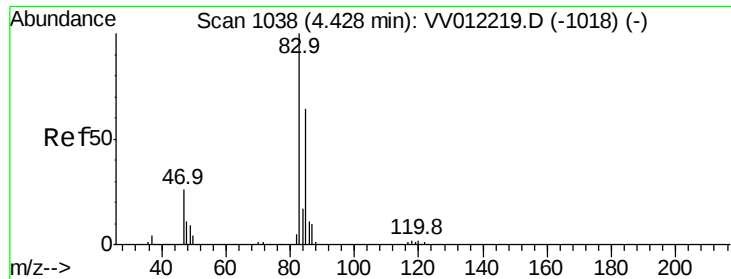
Bromochloromethane
 Concen: 4.936 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion: 128 Resp: 42874
 Ion Ratio Lower Upper
 128 100
 49 157.6 111.5 207.1
 130 125.8 87.4 162.4
 51 48.8 38.2 57.2



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

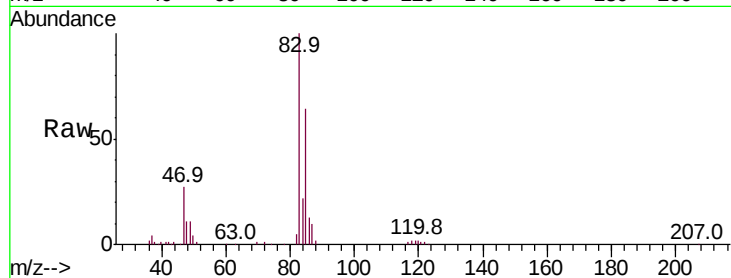




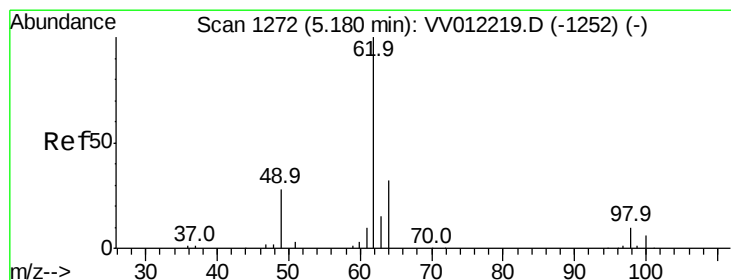
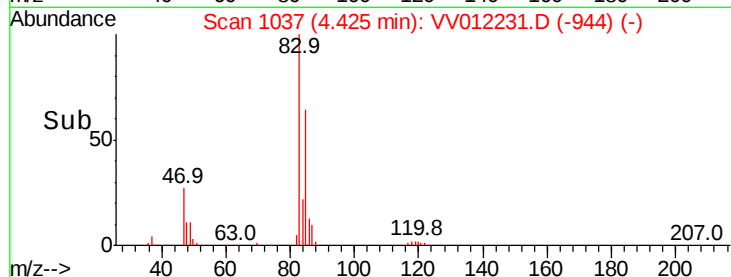
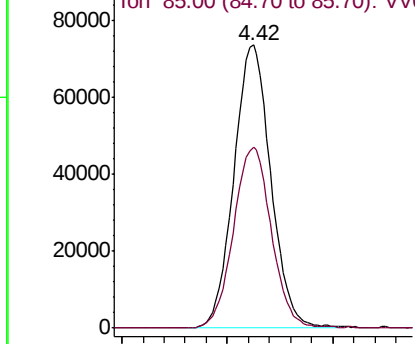
#25
Chloroform
Concen: 4.672 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 179279
Ion Ratio Lower Upper
83 100
85 63.9 44.3 82.3

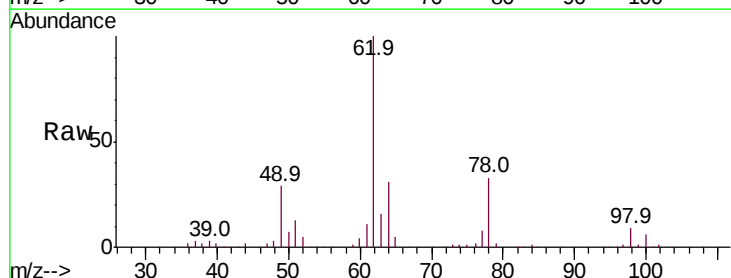


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

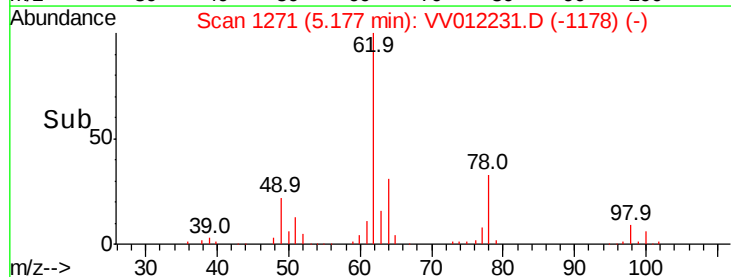
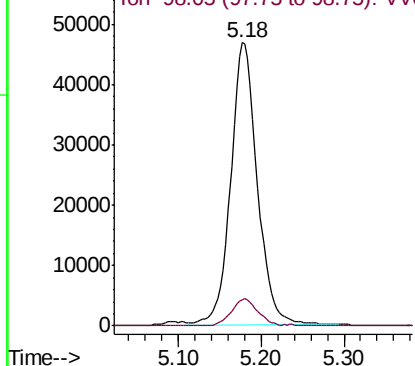


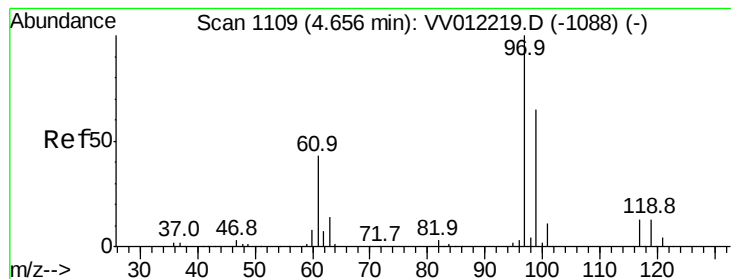
#27
1,2-Dichloroethane
Concen: 4.985 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Tgt Ion: 62 Resp: 105053
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 5.083 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :
MSVOA_V
ClientSampled :

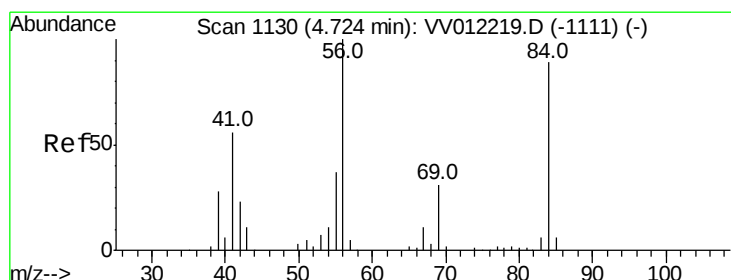
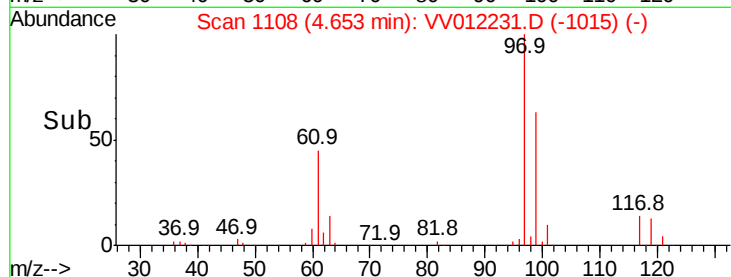
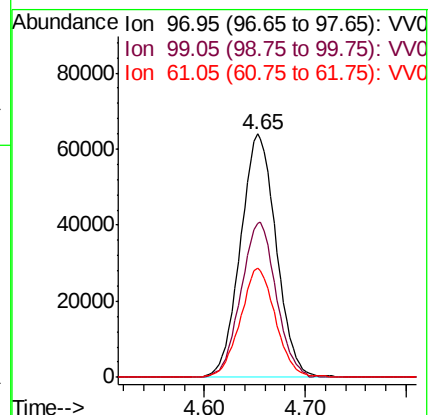
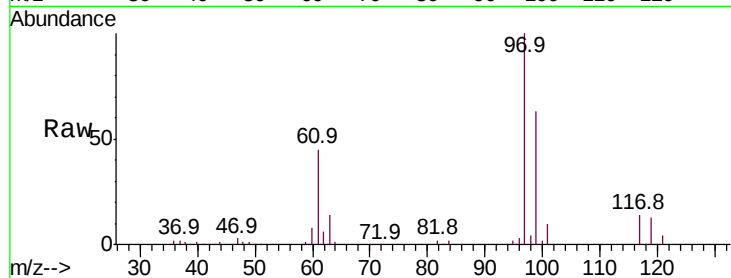
Tot Ion: 97 Resp: 157043

Ion Ratio Lower Upper

97 100

99 62.6 52.1 78.1

61 44.2 35.4 53.0



#30

Cyclohexane

Concen: 5.024 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

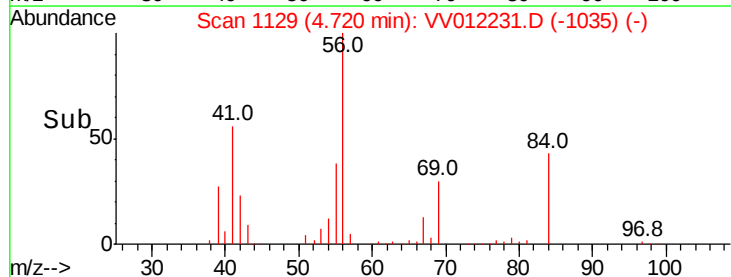
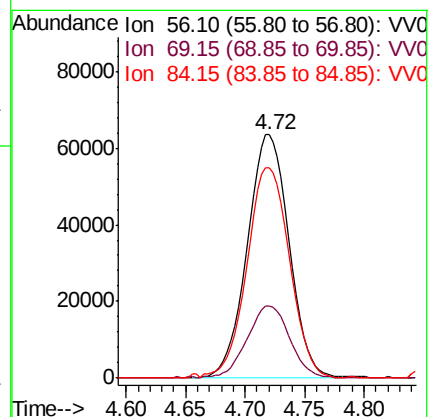
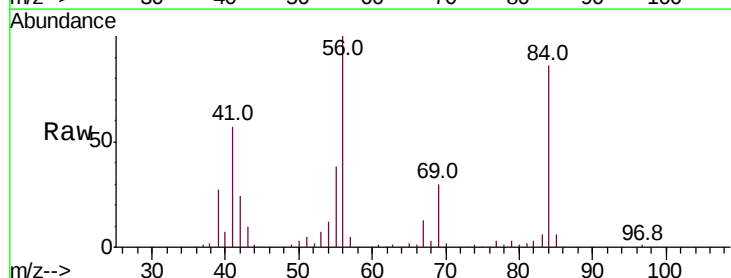
Tgt Ion: 56 Resp: 154590

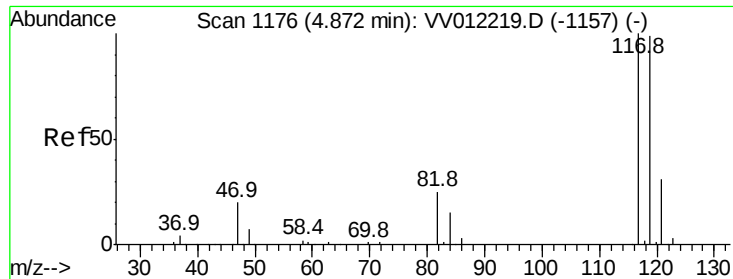
Ion Ratio Lower Upper

56 100

69 30.3 24.6 36.8

84 88.3 71.0 106.6

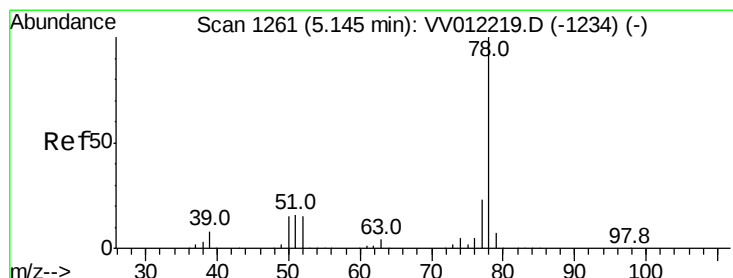
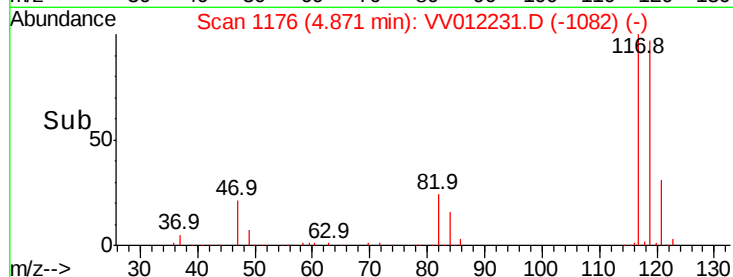
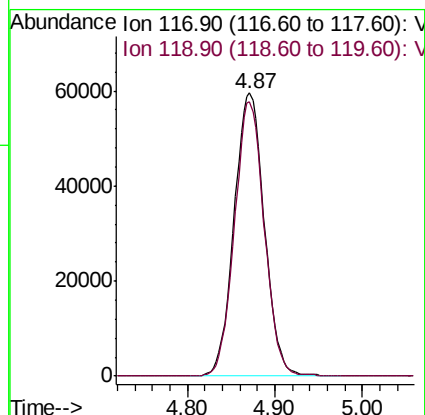
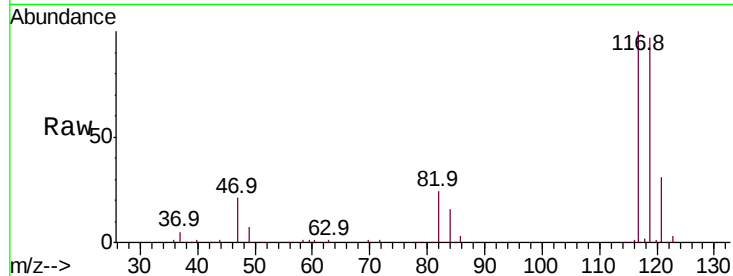




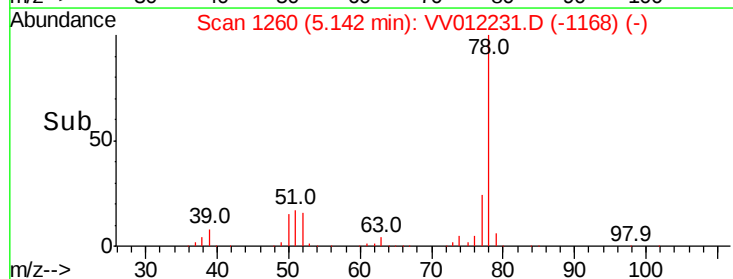
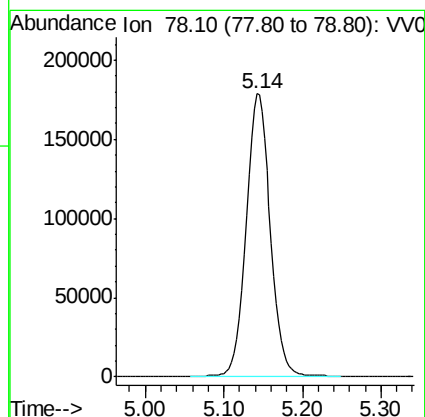
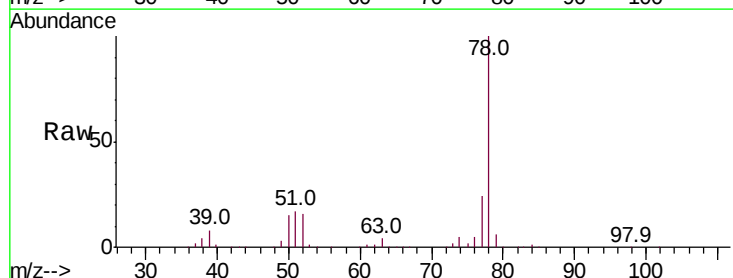
#31
 Carbon tetrachloride
 Concen: 5.098 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

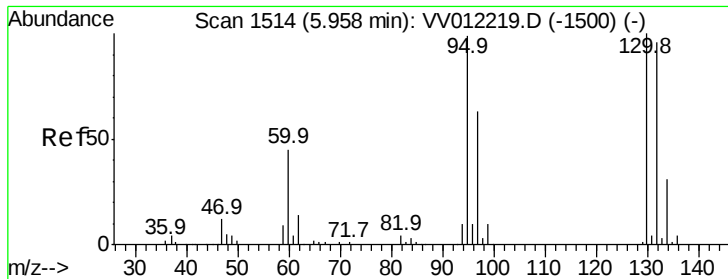
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:117 Resp: 142513
 Ion Ratio Lower Upper
 117 100
 119 95.6 77.9 116.9



#33
 Benzene
 Concen: 5.070 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45
 Tgt Ion: 78 Resp: 386323

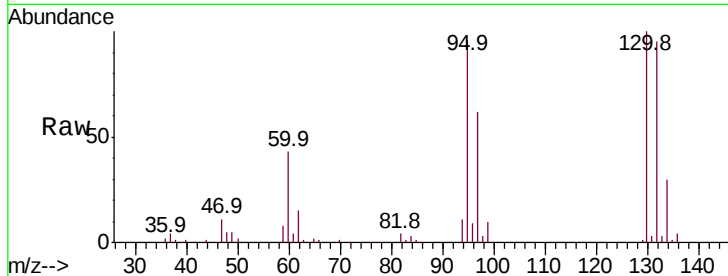




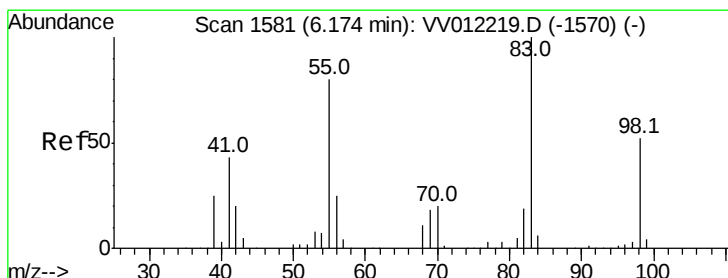
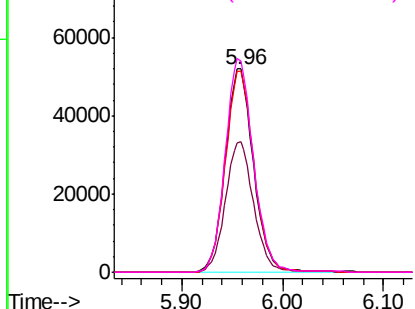
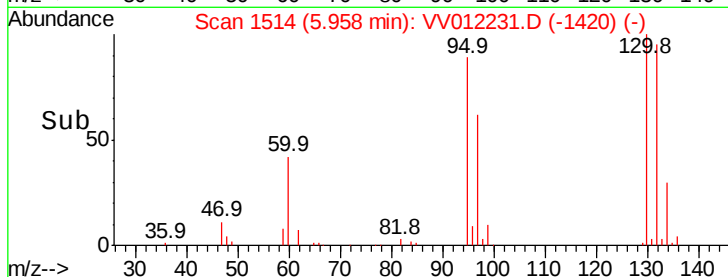
#34
 Trichloroethene
 Concen: 4.936 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 101889
 Ion Ratio Lower Upper
 95 100
 97 64.3 43.3 80.3
 132 98.9 67.5 125.3
 130 104.2 74.9 139.1

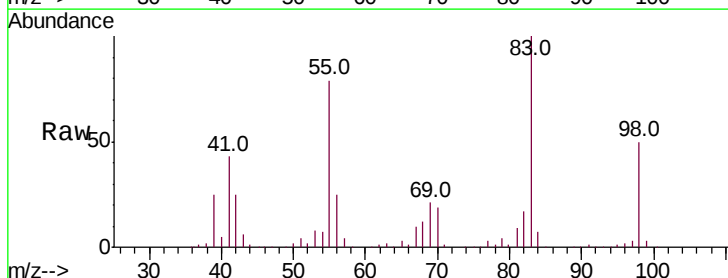


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

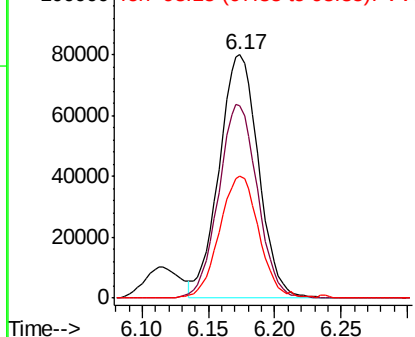
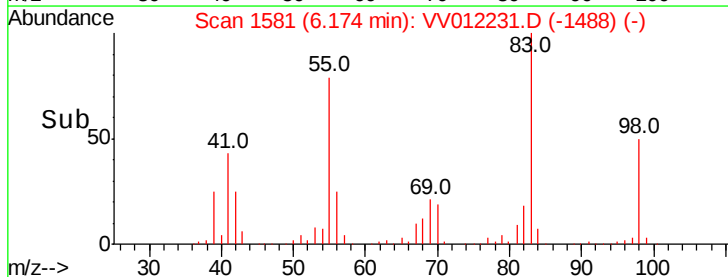


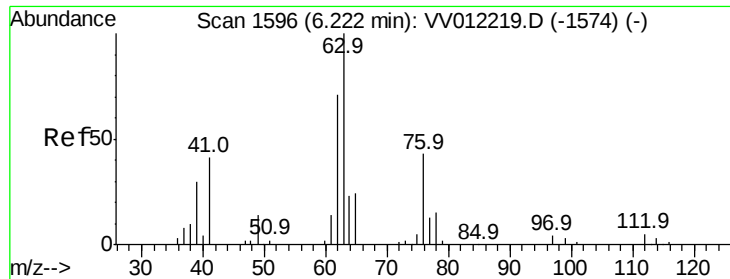
#35
 Methylcyclohexane
 Concen: 5.161 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion: 83 Resp: 165515
 Ion Ratio Lower Upper
 83 100
 55 77.7 62.2 93.2
 98 50.1 39.2 58.8



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

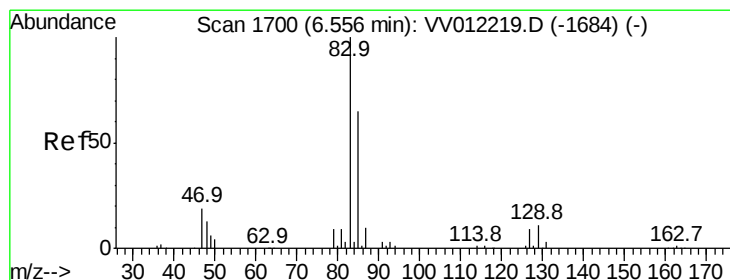
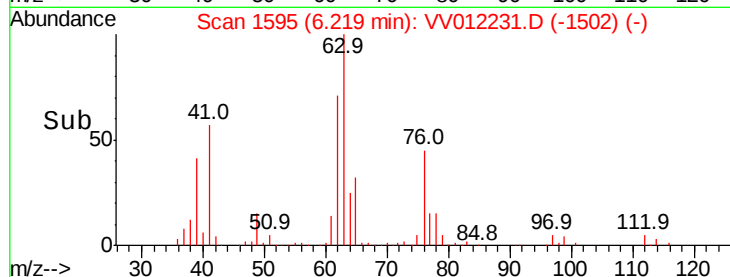
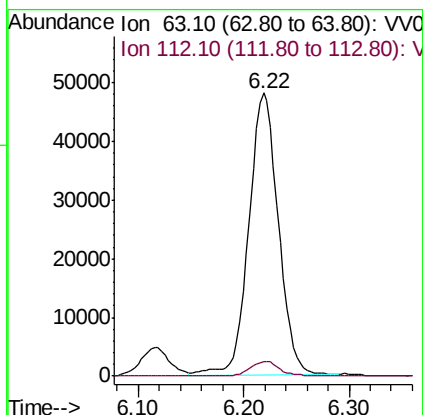
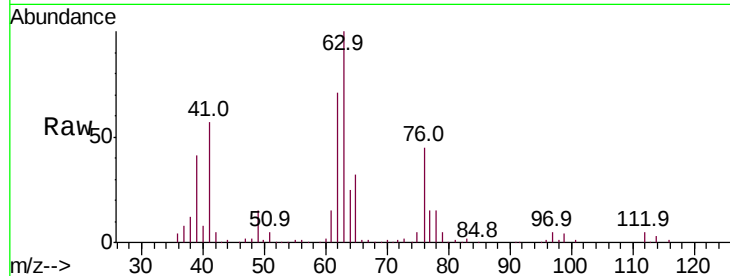




#37
 1,2-Dichloropropane
 Concen: 4.932 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

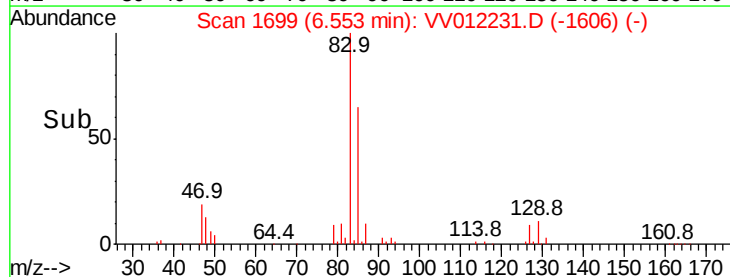
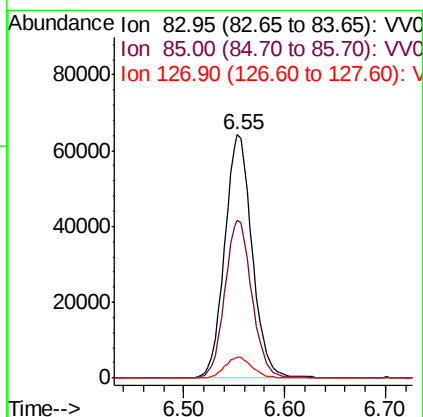
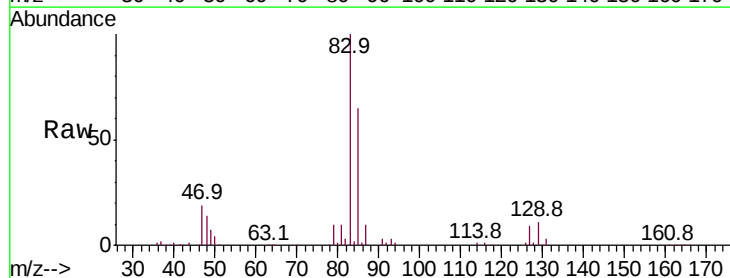
Instrument :
 MSVOA_V
 ClientSampled :

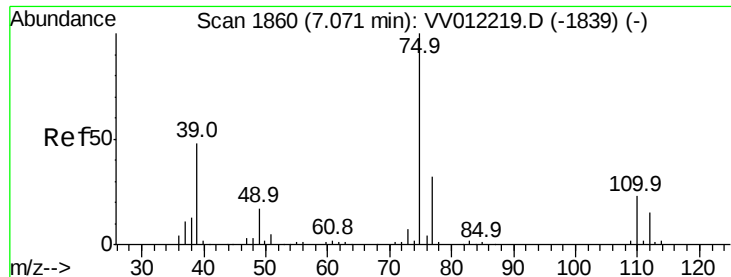
Tot Ion: 63 Resp: 93775
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.973 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion: 83 Resp: 121820
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.9 85.3
 127 8.5 7.4 11.2



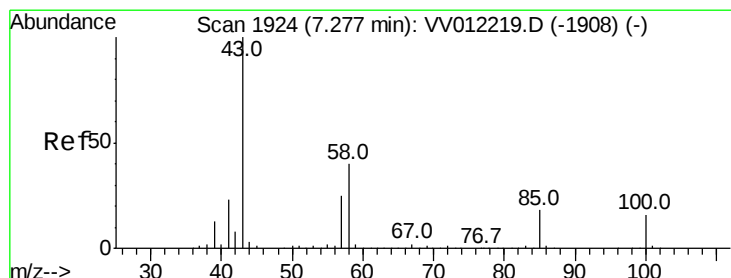
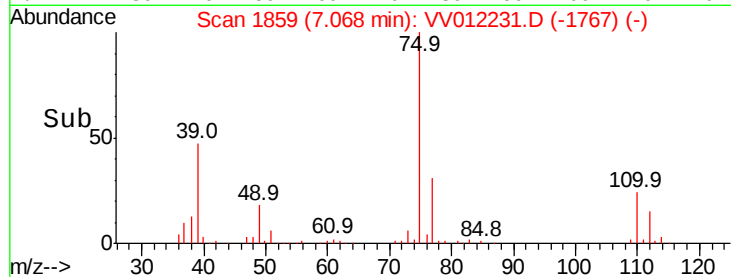
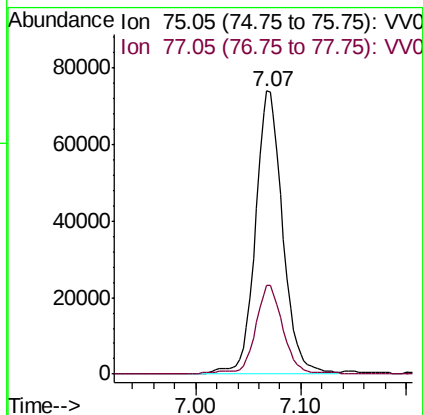
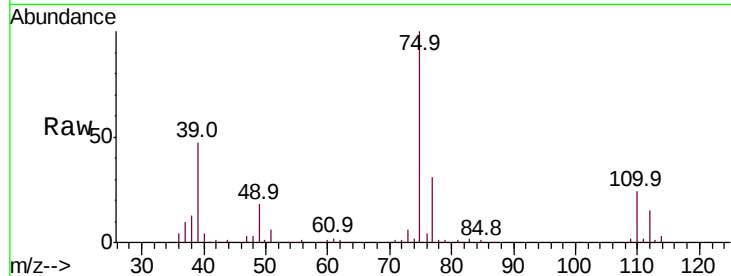


#39

cis-1,3-Dichloropropene
Concen: 5.104 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Instrument :
MSVOA_V
ClientSampled :

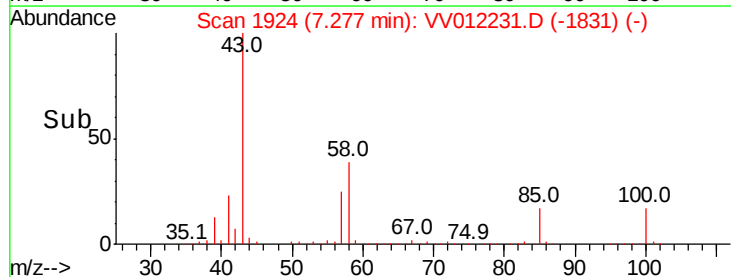
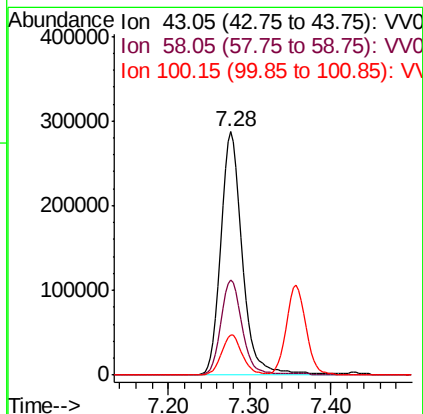
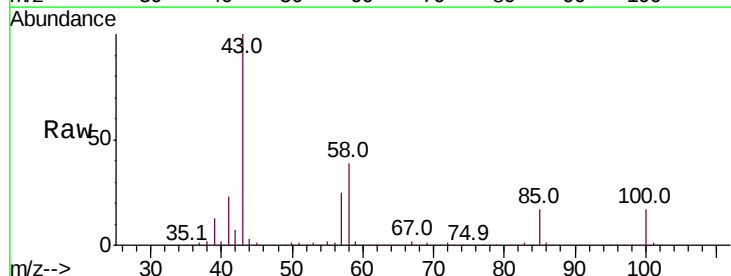
Tot Ion: 75 Resp: 133632
Ion Ratio Lower Upper
75 100
77 31.3 22.2 41.2

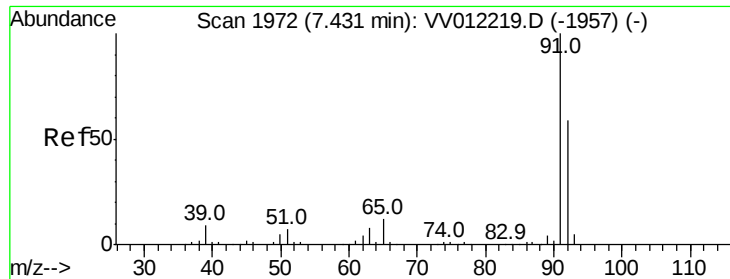


#40

4-Methyl-2-pentanone
Concen: 51.647 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Tgt Ion: 43 Resp: 539861
Ion Ratio Lower Upper
43 100
58 38.5 30.7 46.1
100 15.9 12.5 18.7





#42

Toluene

Concen: 5.153 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

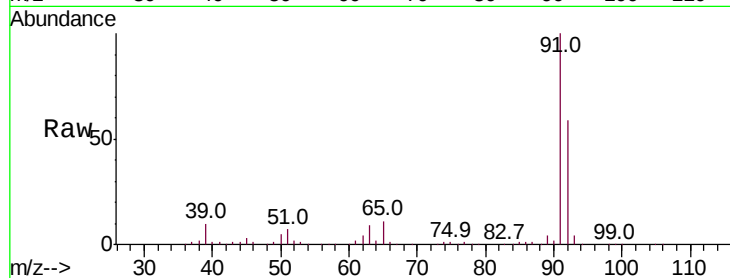
ClientSampleId :

Tot Ion: 91 Resp: 417727

Ion Ratio Lower Upper

91 100

92 59.2 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

250000

200000

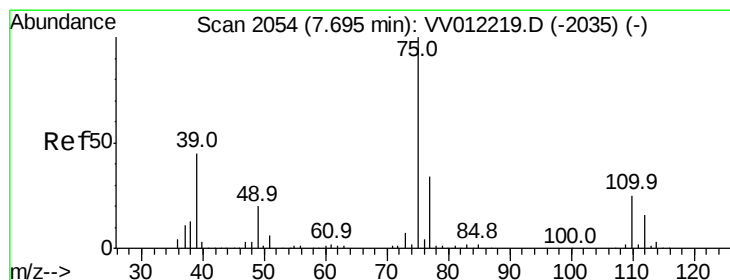
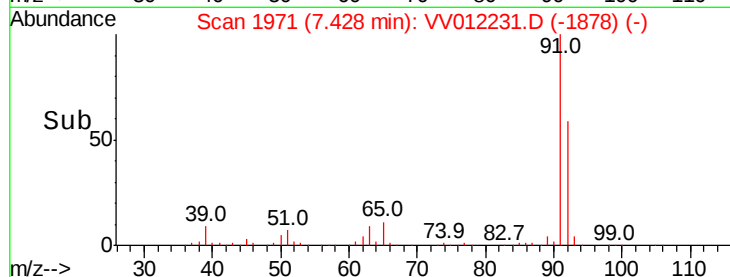
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.168 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012231.D

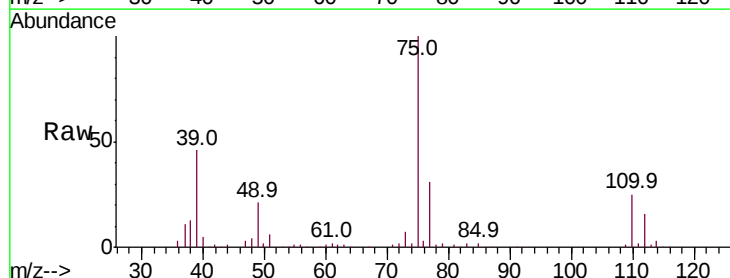
Acq: 14 Aug 2019 09:45

Tgt Ion: 75 Resp: 106481

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

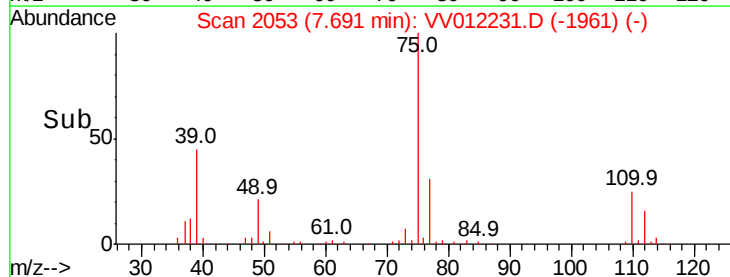
60000

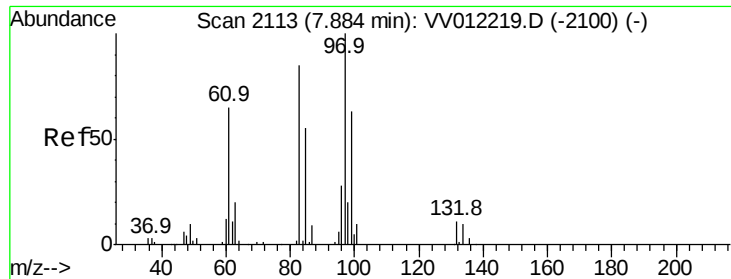
40000

20000

0

Time-->

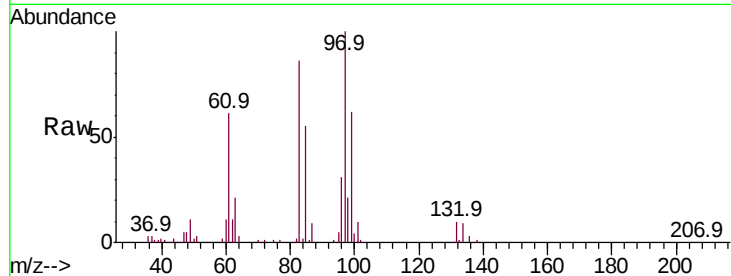




#45
 1,1,2-Trichloroethane
 Concen: 5.075 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	64360
Ion	Ratio	Lower	Upper
97	100		
99	61.8	45.4	84.2
83	86.1	60.1	111.5
85	54.7	39.8	73.8



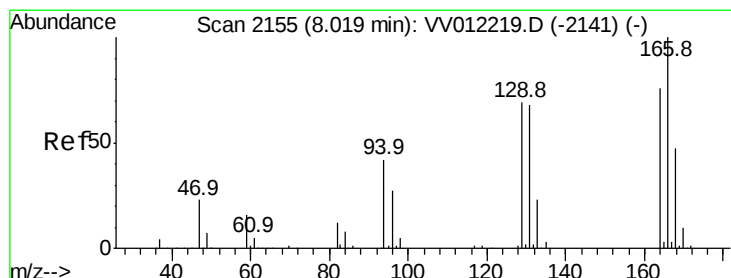
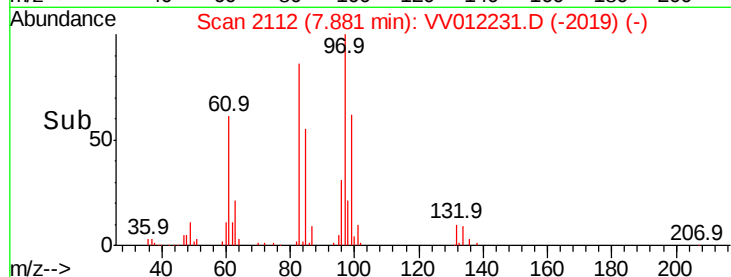
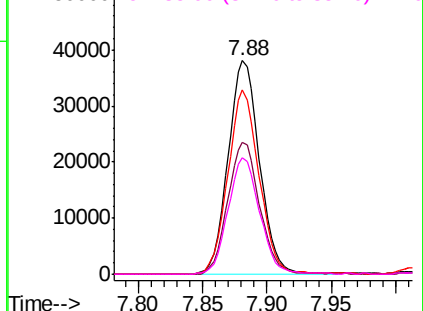
Abundance

Ion 96.95 (96.65 to 97.65): VV012231.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012231.D (-2100) (-)

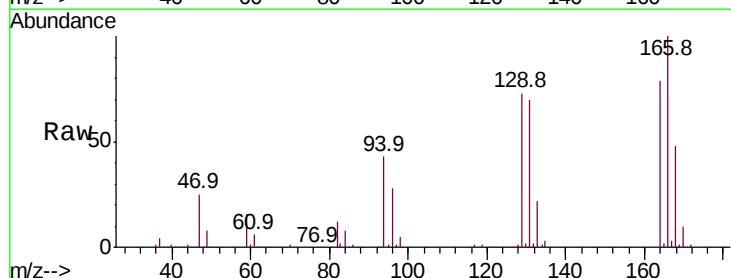
Ion 82.95 (82.65 to 83.65): VV012231.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012231.D (-2100) (-)



#47
 Tetrachloroethene
 Concen: 5.111 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion:	164	Resp:	86950
Ion	Ratio	Lower	Upper
164	100		
129	93.1	65.8	122.2
131	88.4	61.9	114.9
166	127.1	88.3	164.1



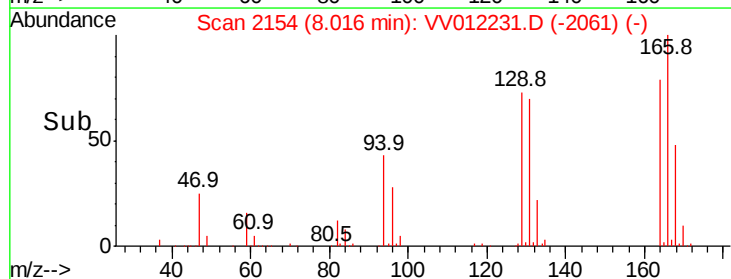
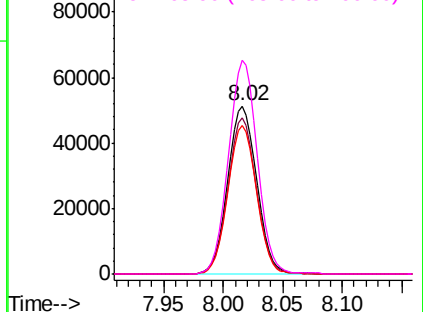
Abundance

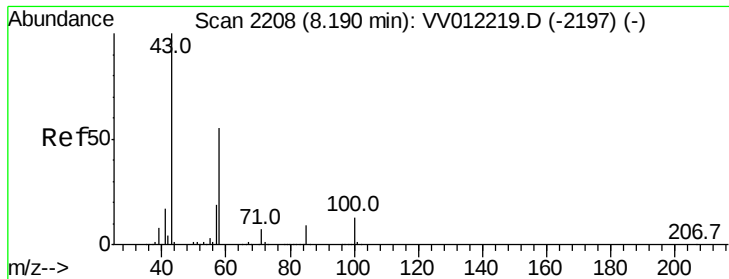
Ion 163.90 (163.60 to 164.60): VV012231.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV012231.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV012231.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV012231.D (-2061) (-)

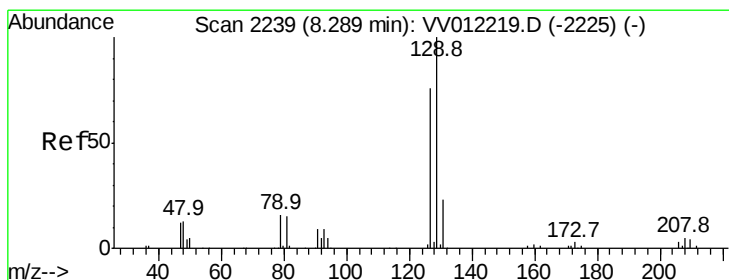
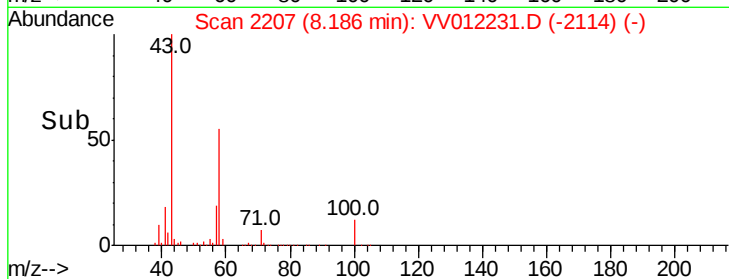
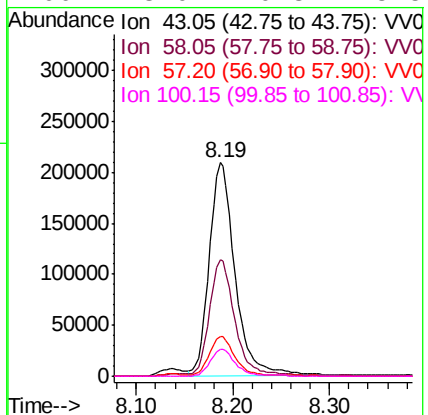
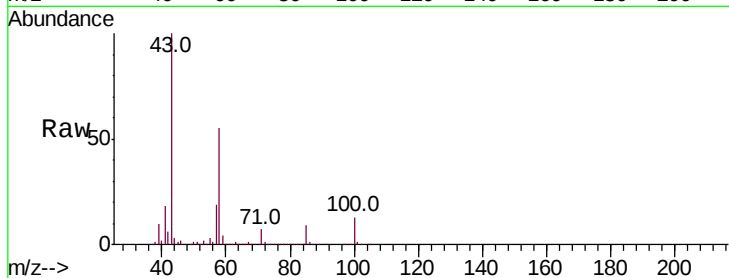




#48
2-Hexanone
Concen: 52.282 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

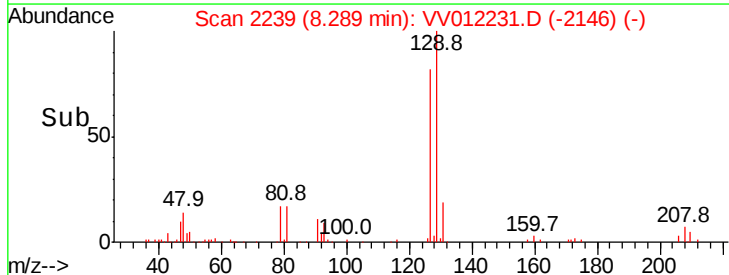
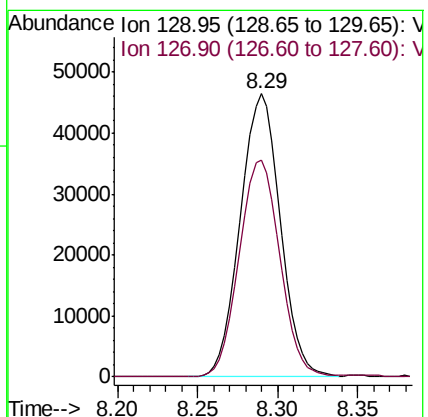
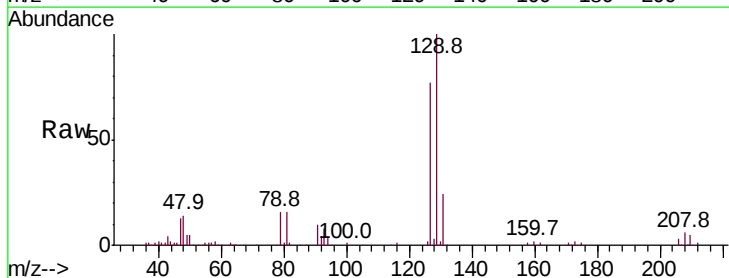
Instrument :
MSVOA_V
ClientSampleId :

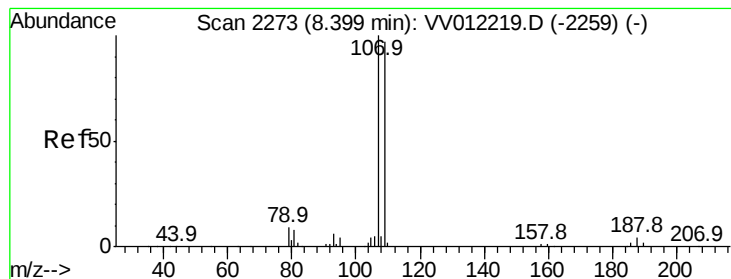
Tot Ion: 43 Resp: 385184
Ion Ratio Lower Upper
43 100
58 54.4 43.0 64.4
57 18.5 14.9 22.3
100 13.0 10.3 15.5



#49
Dibromochloromethane
Concen: 5.042 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012231.D
Acq: 14 Aug 2019 09:45

Tgt Ion: 129 Resp: 79372
Ion Ratio Lower Upper
129 100
127 76.7 51.0 94.8





#50

1,2-Dibromoethane

Concen: 4.849 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampleId :

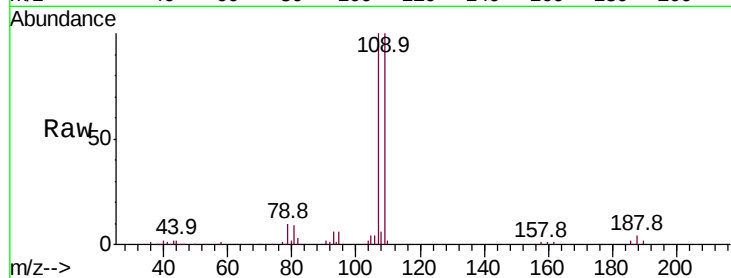
Tot Ion:107 Resp: 59399

Ion Ratio Lower Upper

107 100

109 99.6 67.3 125.1

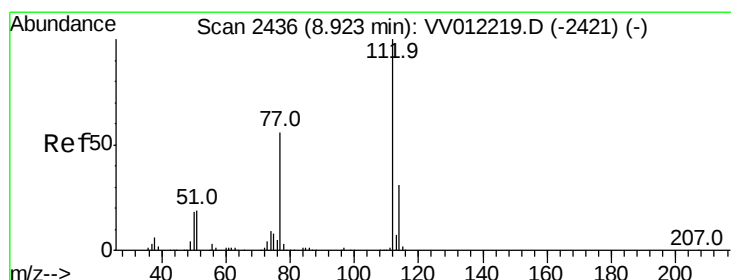
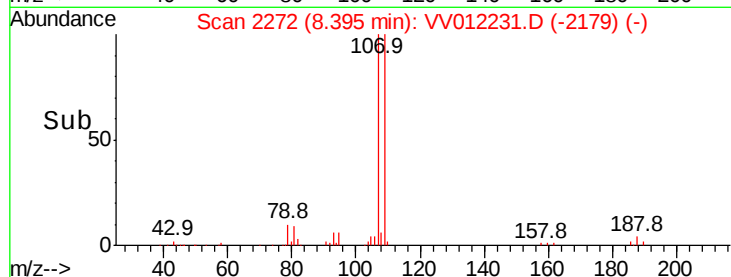
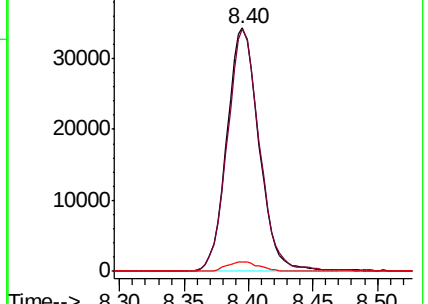
188 3.9 3.4 5.0



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: 4.986 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

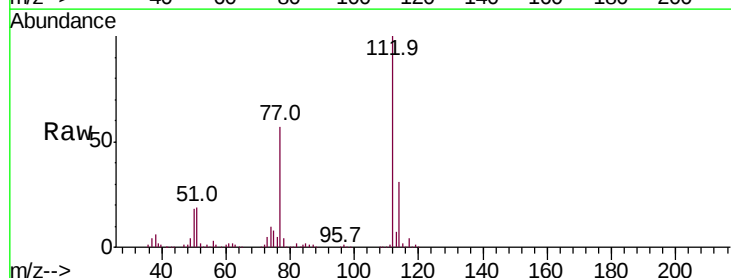
Tgt Ion:112 Resp: 261742

Ion Ratio Lower Upper

112 100

114 31.2 22.8 42.4

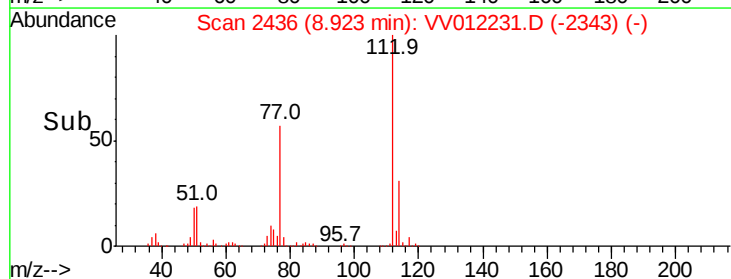
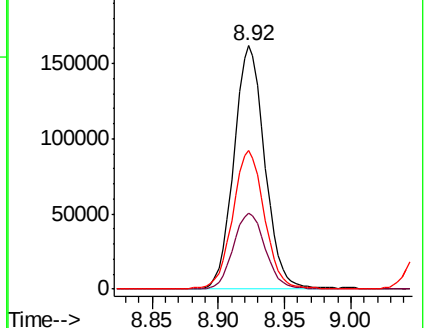
77 56.7 45.4 68.2

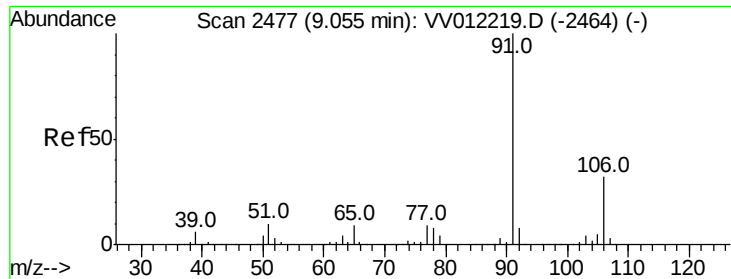


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.123 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

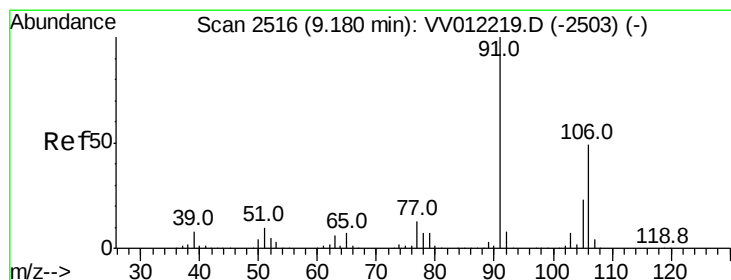
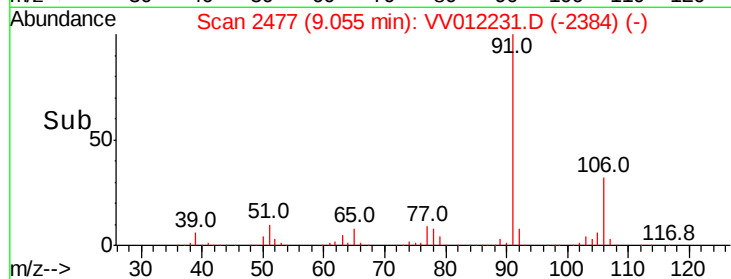
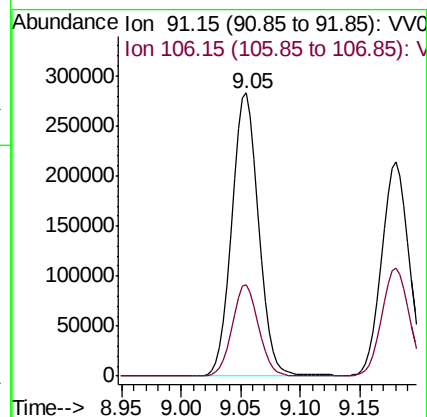
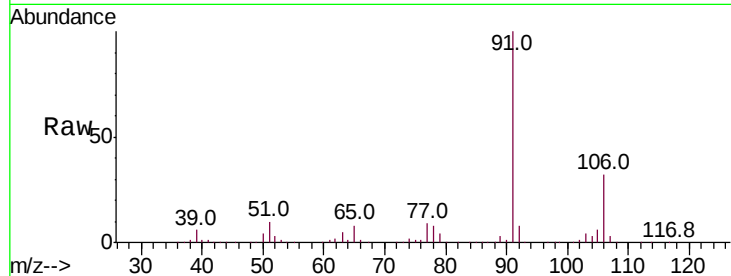
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 442600

Ion Ratio Lower Upper

91 100

106 32.4 22.3 41.3



#53

m,p-xylene

Concen: 5.281 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012231.D

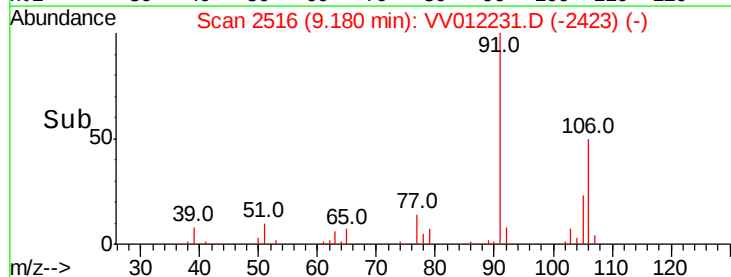
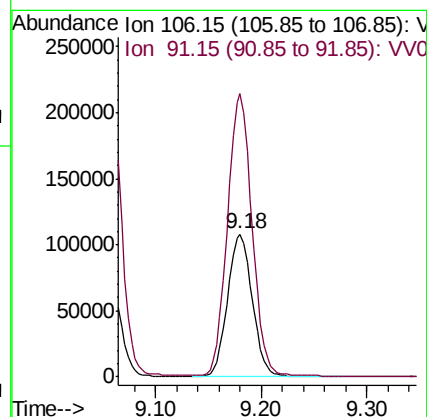
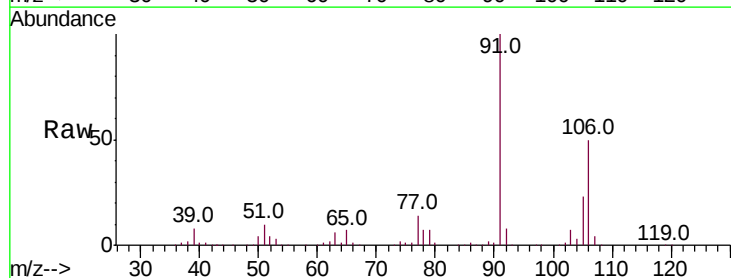
Acq: 14 Aug 2019 09:45

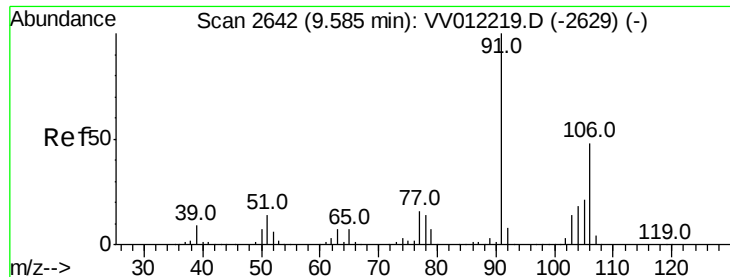
Tgt Ion: 106 Resp: 175194

Ion Ratio Lower Upper

106 100

91 198.4 137.5 255.3





#54

o-xylene

Concen: 5.287 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

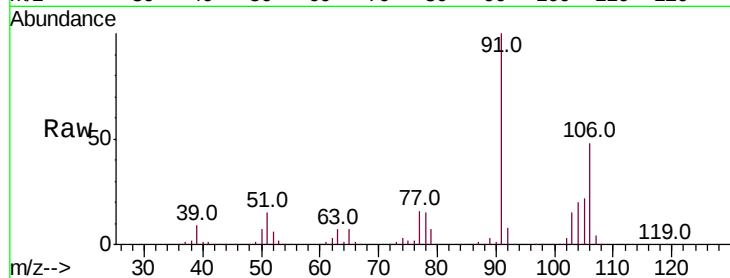
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 166001

Ion Ratio Lower Upper

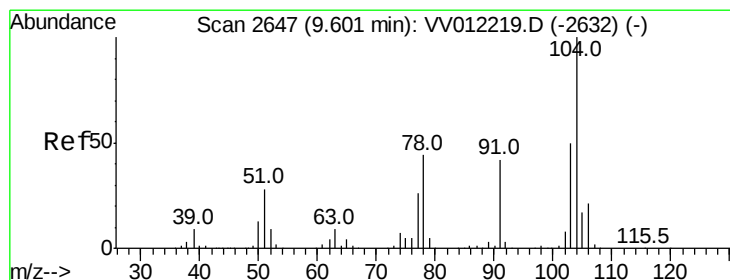
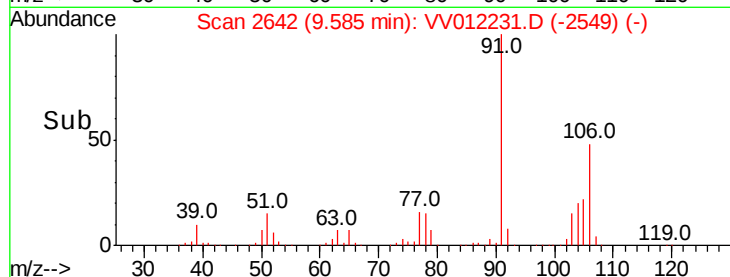
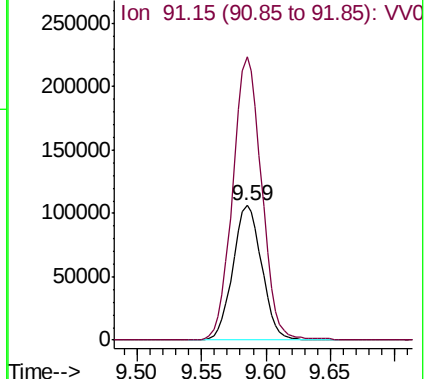
106 100

91 209.9 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.374 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012231.D

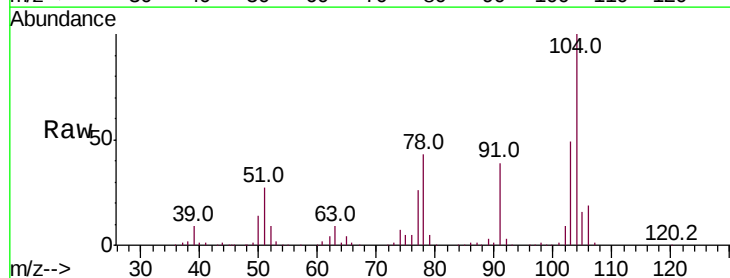
Acq: 14 Aug 2019 09:45

Tgt Ion:104 Resp: 281986

Ion Ratio Lower Upper

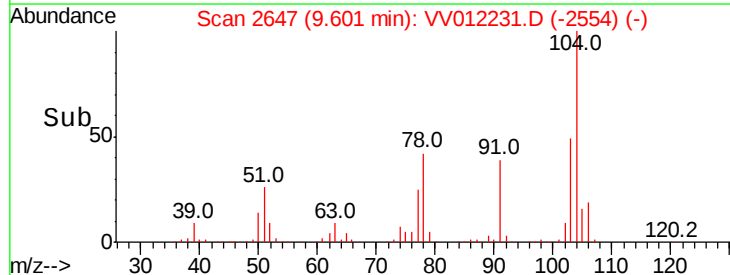
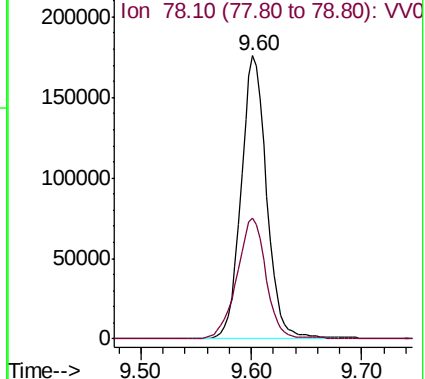
104 100

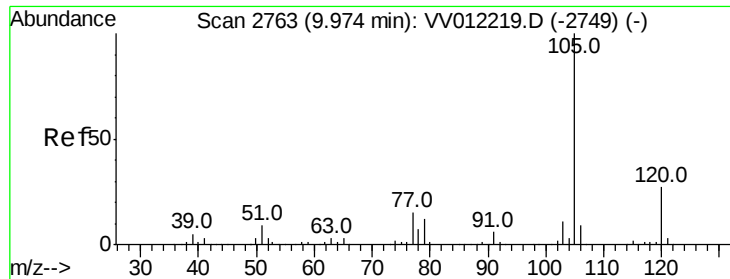
78 42.5 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.274 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampleId :

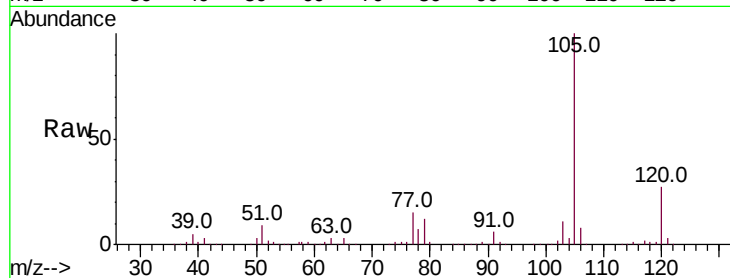
Tot Ion:105 Resp: 442882

Ion Ratio Lower Upper

105 100

120 27.0 22.0 33.0

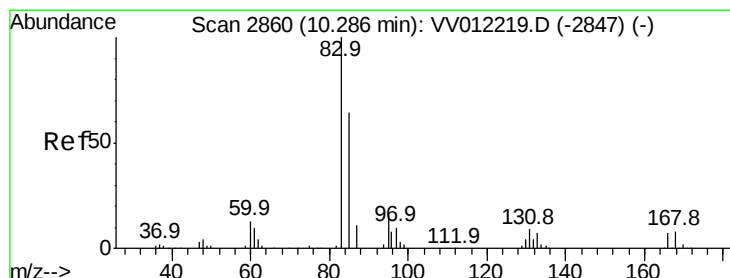
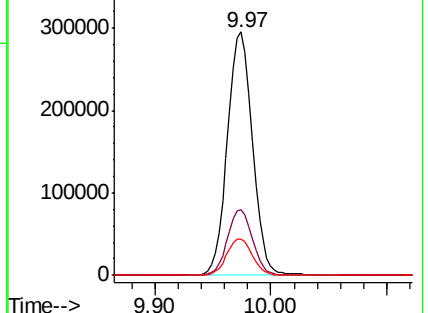
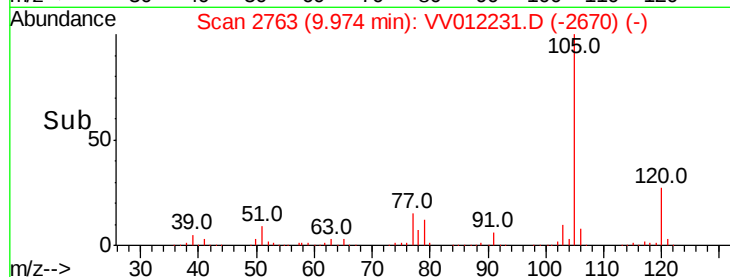
77 15.5 12.5 18.7



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: 4.911 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

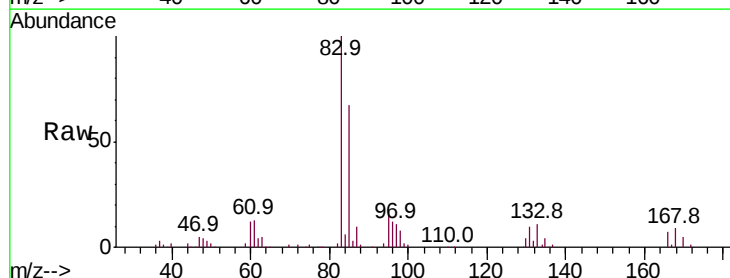
Tgt Ion: 83 Resp: 72254

Ion Ratio Lower Upper

83 100

85 67.3 45.0 83.6

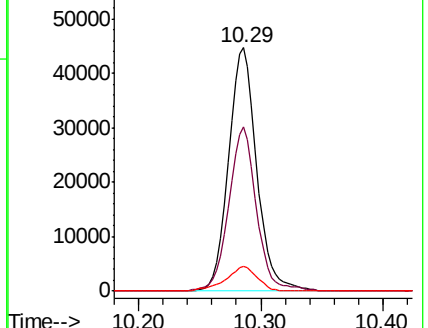
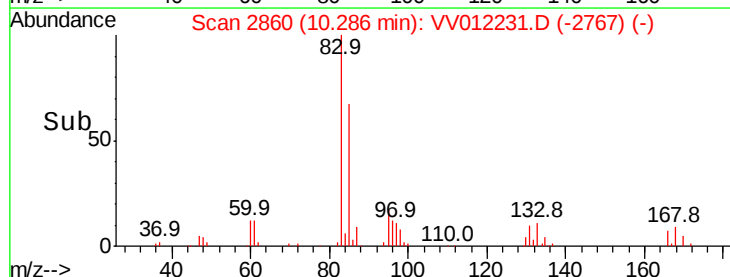
131 10.4 8.3 12.5

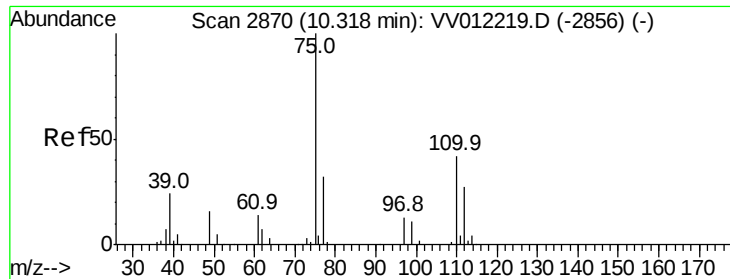


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

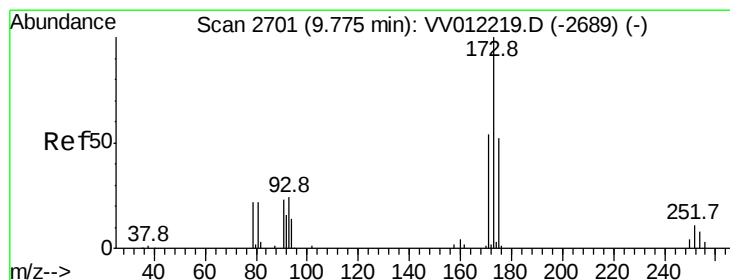
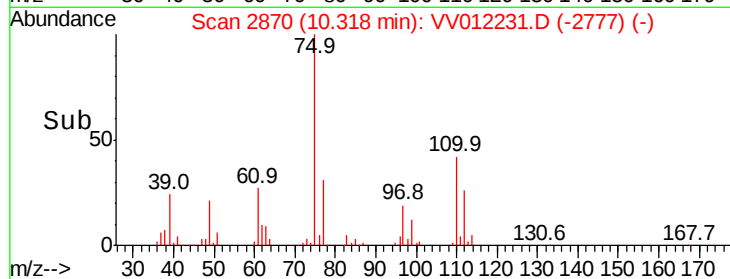
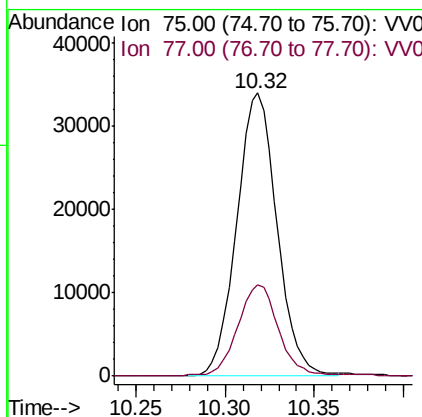
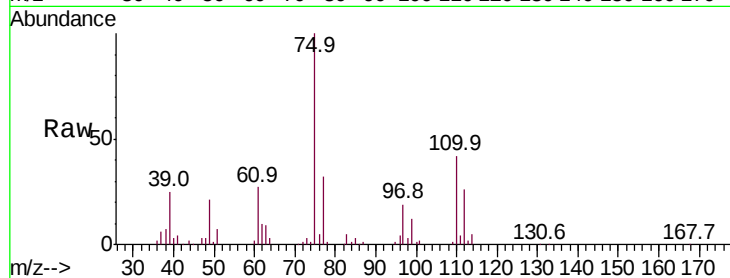




#59
 1,2,3-Trichloropropane
 Concen: 4.973 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

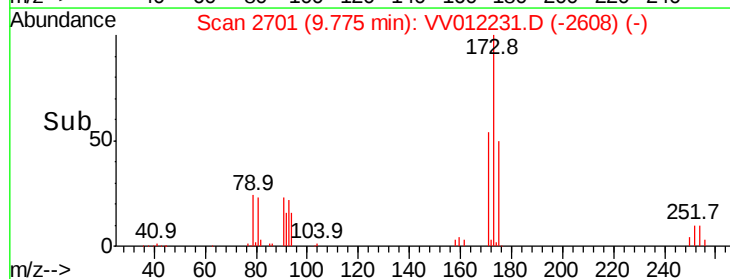
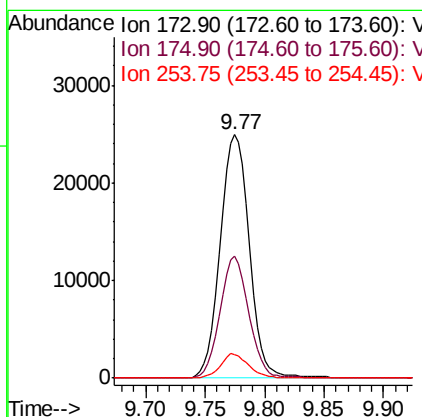
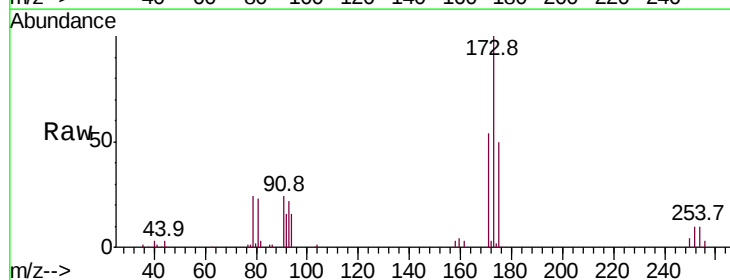
Instrument :
 MSVOA_V
 ClientSampleId :

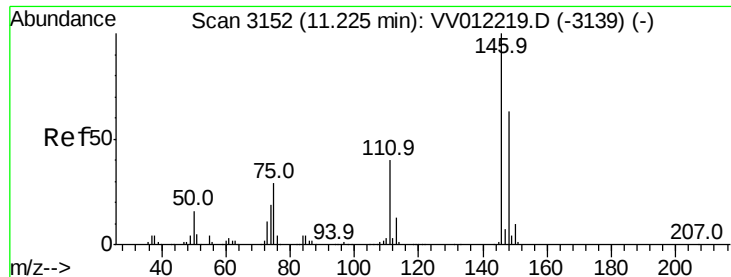
Tot Ion: 75 Resp: 53645
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6



#61
 Bromoform
 Concen: 5.120 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion: 173 Resp: 42358
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.8 58.2
 254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.985 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampleId :

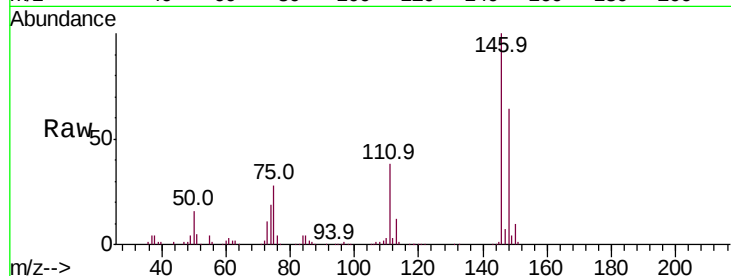
Tot Ion:146 Resp: 212928

Ion Ratio Lower Upper

146 100

111 38.1 26.9 50.1

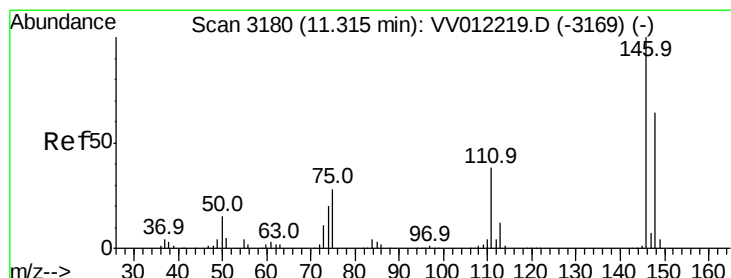
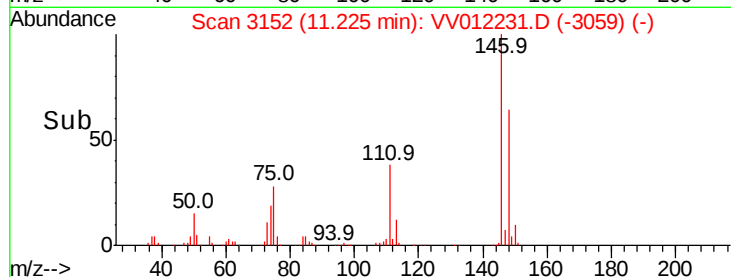
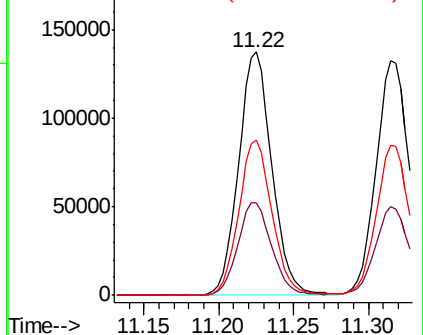
148 63.7 45.0 83.6



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: 4.936 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

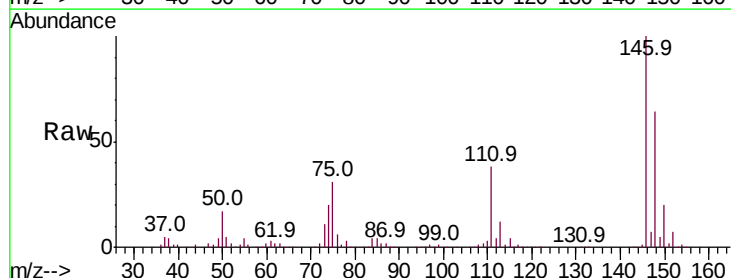
Tgt Ion:146 Resp: 210129

Ion Ratio Lower Upper

146 100

111 37.8 27.0 50.2

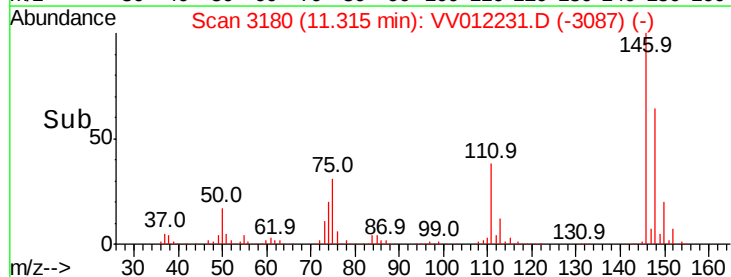
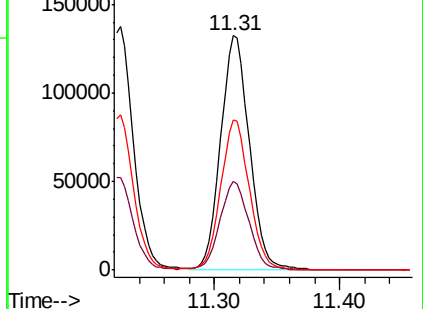
148 64.2 44.5 82.7

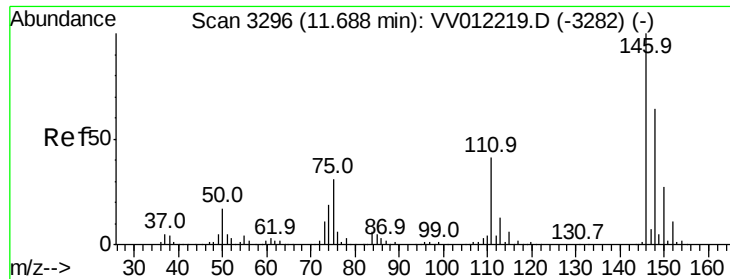


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.972 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampleId :

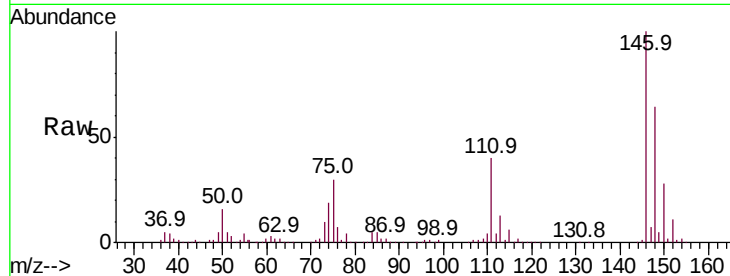
Tot Ion:146 Resp: 194880

Ion Ratio Lower Upper

146 100

111 39.8 33.0 49.4

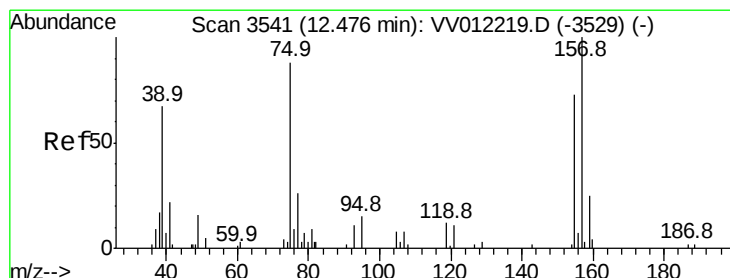
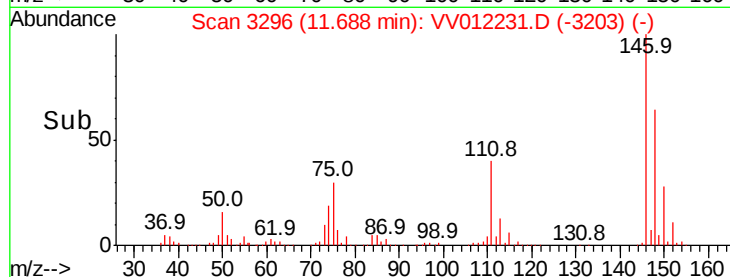
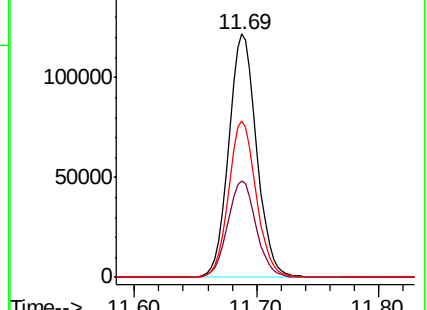
148 64.5 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.473 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

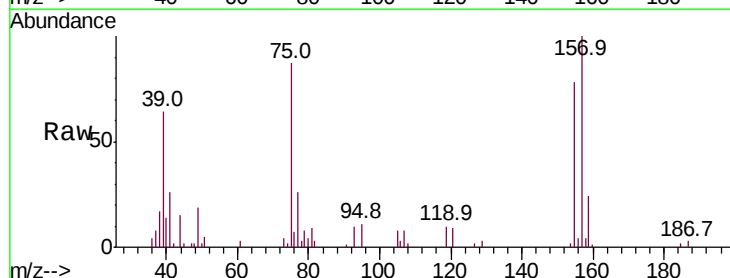
Tgt Ion: 75 Resp: 11163

Ion Ratio Lower Upper

75 100

155 89.3 70.8 106.2

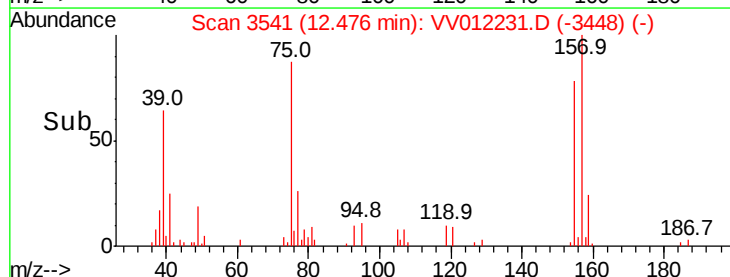
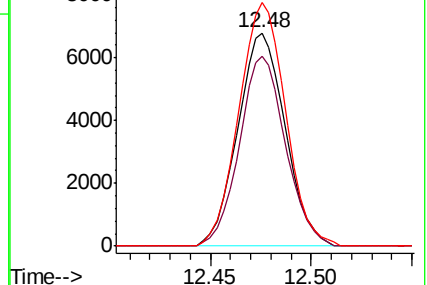
157 114.3 83.5 125.3

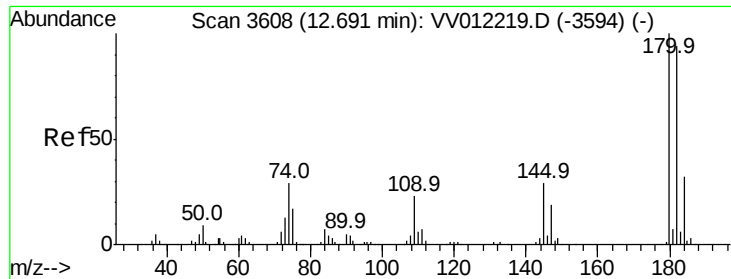


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

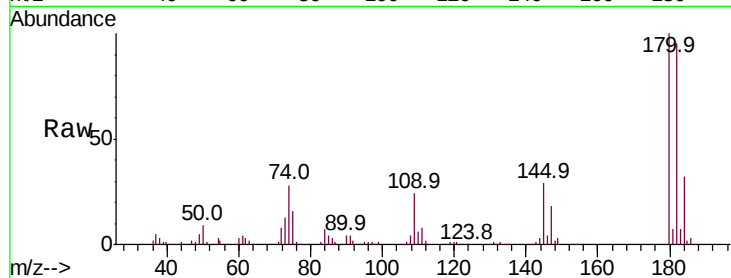




#67
 1,3,5-Trichlorobenzene
 Concen: 4.976 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.3	114.5
184	30.6	24.6	36.8
145	29.1	23.2	34.8



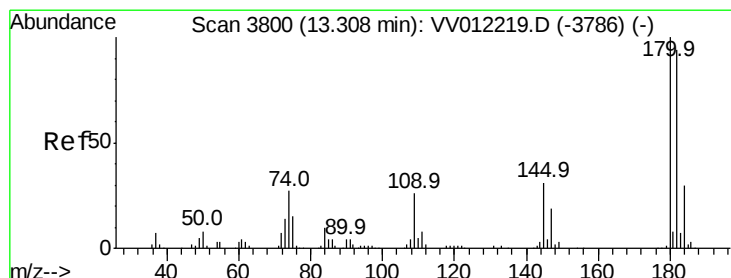
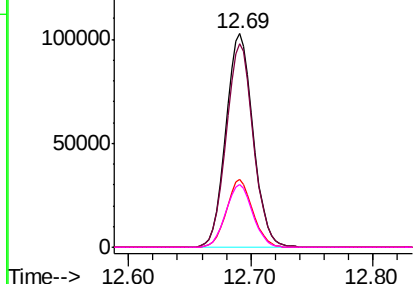
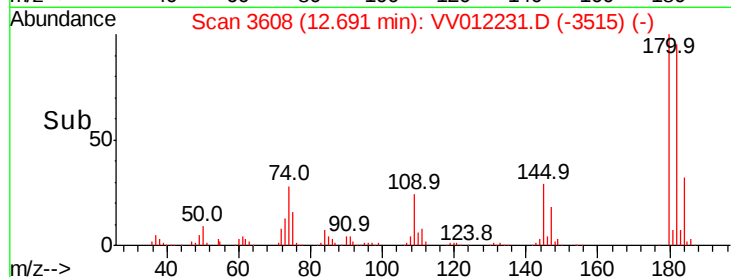
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

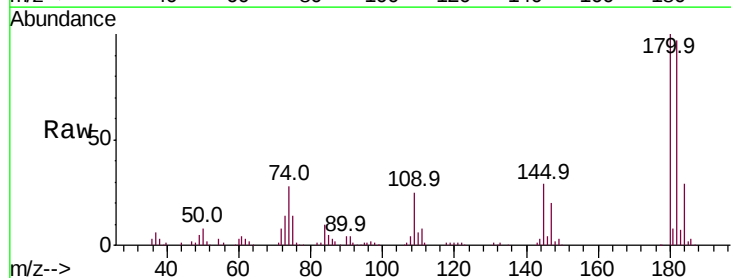
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.156 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012231.D
 Acq: 14 Aug 2019 09:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.2	115.8
145	29.1	23.9	35.9

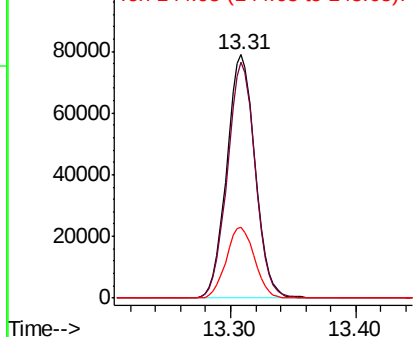
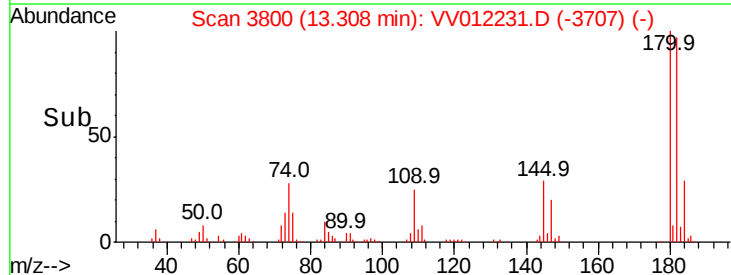


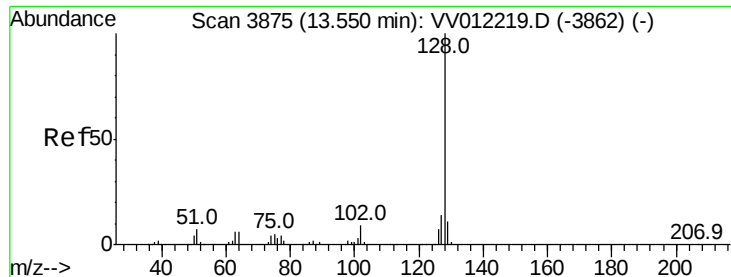
Abundance

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: 5.065 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

Instrument :

MSVOA_V

ClientSampled :

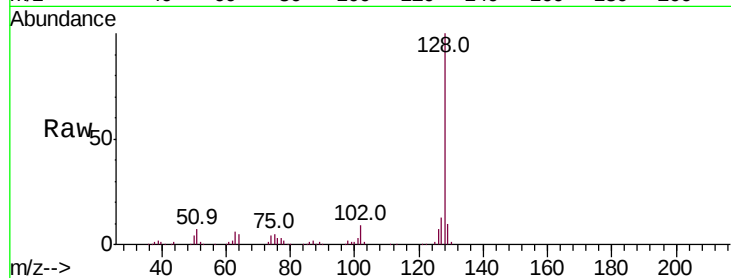
Tot Ion:128 Resp: 175539

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

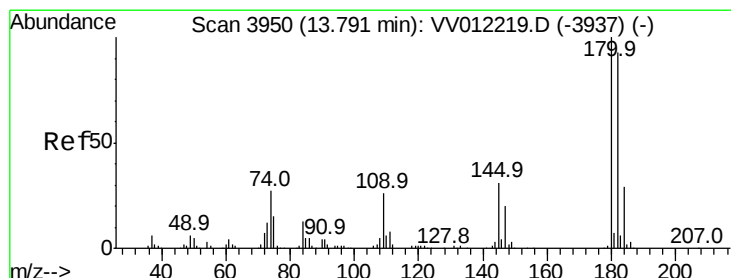
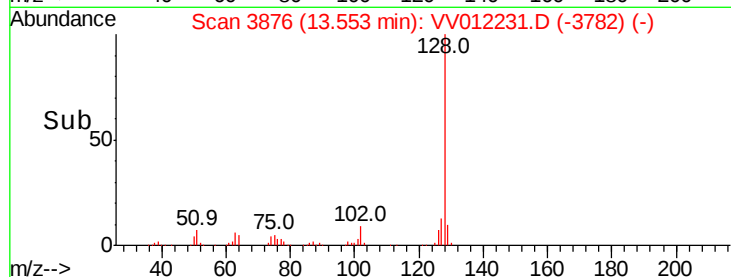
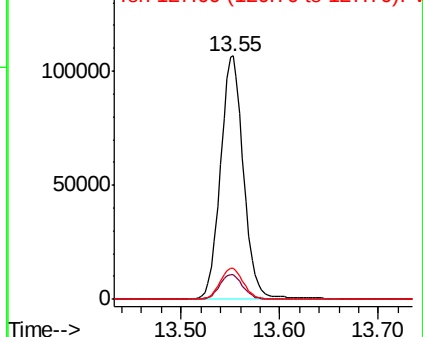
127 13.1 10.1 15.1



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: 5.032 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012231.D

Acq: 14 Aug 2019 09:45

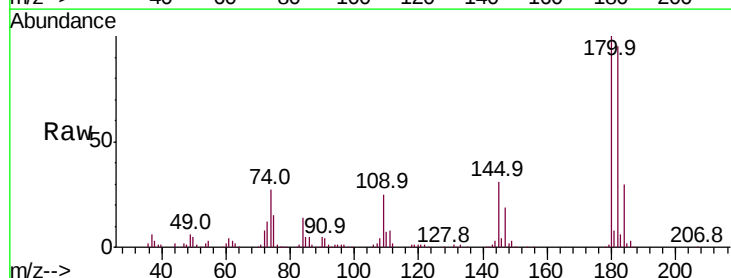
Tgt Ion:180 Resp: 113947

Ion Ratio Lower Upper

180 100

182 94.0 75.0 112.4

145 31.4 24.8 37.2



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

