

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013290.D
 Acq On : 22 Oct 2019 20:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:28:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	493797	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	526343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	339106	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	175422	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.58	69	141730	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.13	63	308015	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.94	46	414906	59.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.70%
24) Chloroform-d	4.40	84	388760	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	176743	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.10	84	755821	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	225528	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	704731	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.66	79	82597	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.13	63	263603	38.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	172794	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	283612	4.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	262445	4.808	ug/L 100
3) Chloromethane	1.25	50	214992	4.538	ug/L 100
5) Vinyl chloride	1.32	62	238069	4.996	ug/L 92
6) Bromomethane	1.54	94	135883	5.062	ug/L 98
8) Chloroethane	1.60	64	131579	4.633	ug/L 97
9) Trichlorofluoromethane	1.77	101	340321	4.935	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	202388	4.967	ug/L 100
12) 1,1-Dichloroethene	2.14	96	192007	4.946	ug/L 97
13) Acetone	2.21	43	235223	65.073	ug/L # 48
14) Carbon disulfide	2.32	76	554182	4.972	ug/L 99
15) Methyl Acetate	2.46	43	84025	6.874	ug/L 99
16) Methylene chloride	2.53	84	253311	4.342	ug/L 94
17) Methyl tert-butyl Ether	2.80	73	478810	5.325	ug/L 96
18) trans-1,2-Dichloroethene	2.79	96	249413	5.449	ug/L 94
19) 1,1-Dichloroethane	3.23	63	436648	5.870	ug/L 98
21) 2-Butanone	4.03	43	536160	66.258	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	256869	5.244	ug/L # 88

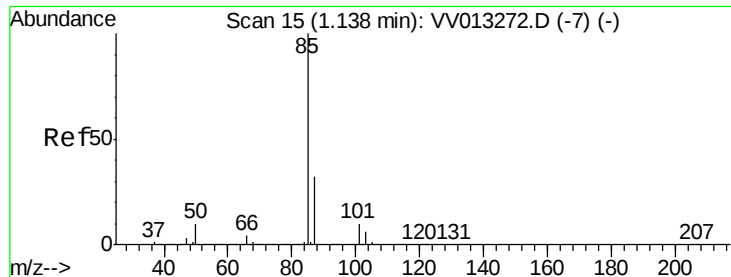
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013290.D
 Acq On : 22 Oct 2019 20:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:28:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	115362	4.962	ug/L	96
25) Chloroform	4.42	83	455837	4.700	ug/L	99
27) 1,2-Dichloroethane	5.18	62	247253	4.774	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	377887	4.857	ug/L	99
30) Cyclohexane	4.72	56	376101	4.657	ug/L	99
31) Carbon tetrachloride	4.87	117	343035	4.915	ug/L	99
33) Benzene	5.14	78	997366	4.962	ug/L	100
34) Trichloroethene	5.96	95	253508	4.701	ug/L	97
35) Methylcyclohexane	6.17	83	399230	4.811	ug/L	99
37) 1,2-Dichloropropane	6.22	63	245550	5.030	ug/L	99
38) Bromodichloromethane	6.55	83	307039	4.859	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	321289	4.672	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1275661	51.116	ug/L	97
42) Toluene	7.43	91	1083320	5.133	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	243126	4.668	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	166725	4.893	ug/L	98
47) Tetrachloroethene	8.02	164	242544	4.952	ug/L	97
48) 2-Hexanone	8.18	43	926669	52.014	ug/L	99
49) Dibromochloromethane	8.29	129	210012	4.893	ug/L	98
50) 1,2-Dibromoethane	8.40	107	156559	4.821	ug/L	97
51) Chlorobenzene	8.92	112	685195	4.959	ug/L	99
52) Ethylbenzene	9.05	91	1134773	5.158	ug/L	99
53) m,p-xylene	9.18	106	447149	5.309	ug/L	98
54) o-xylene	9.59	106	422424	5.283	ug/L	97
55) Styrene	9.60	104	743012	5.467	ug/L	97
56) Isopropylbenzene	9.97	105	1136215	5.387	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	192971	4.926	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	140685	4.832	ug/L	99
61) Bromoform	9.77	173	120752	4.671	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	589353	4.935	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	589342	4.874	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	537047	4.883	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	28186	4.513	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	420253	4.760	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	369212	4.780	ug/L	100
69) Naphthalene	13.55	128	492722	4.624	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	349839	4.877	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.808 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

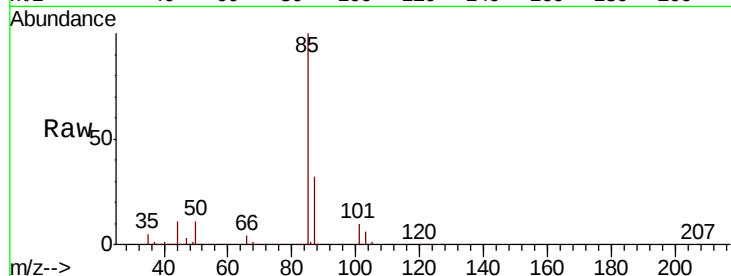
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 262445

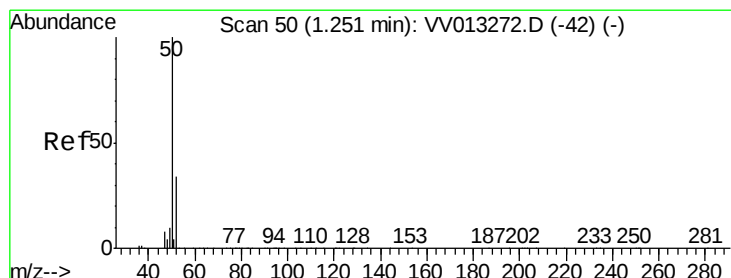
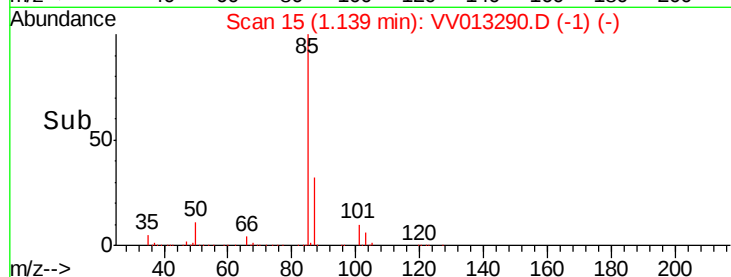
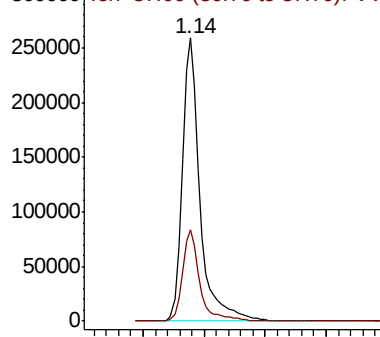
Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



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



#3

Chloromethane

Concen: 4.538 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013290.D

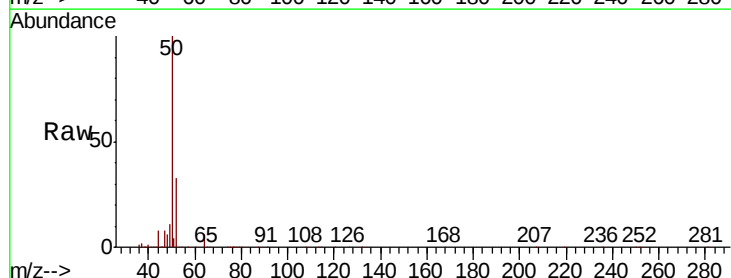
Acq: 22 Oct 2019 20:18

Tgt Ion: 50 Resp: 214992

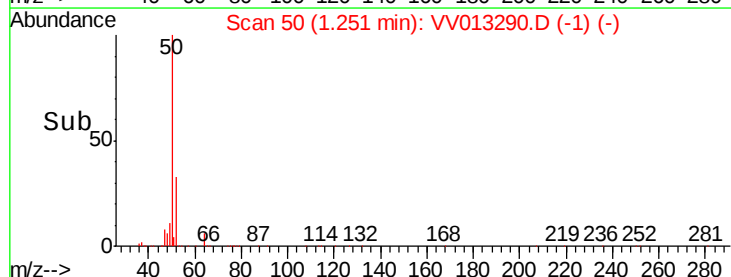
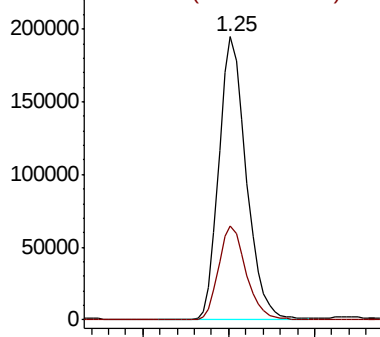
Ion Ratio Lower Upper

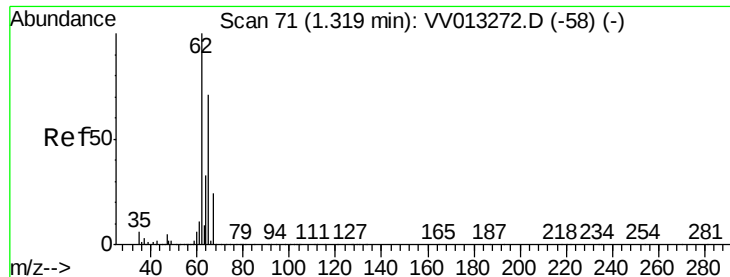
50 100

52 33.3 23.3 43.3



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





#5

Vinyl chloride

Concen: 4.996 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

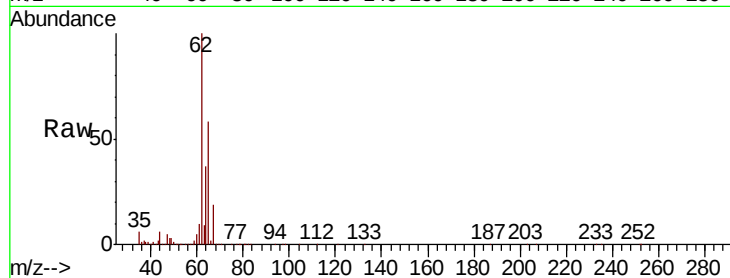
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 238069

Ion Ratio Lower Upper

62 100

64 37.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

150000

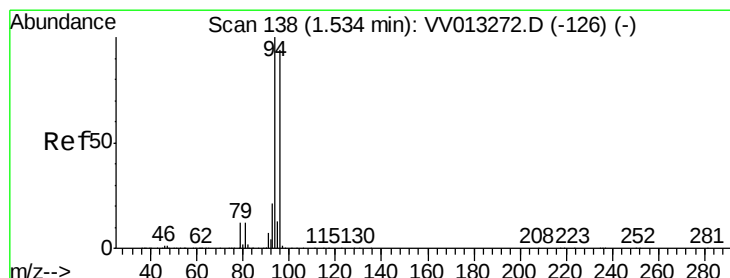
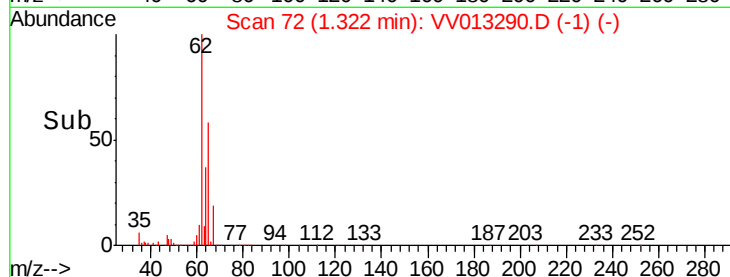
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 5.062 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013290.D

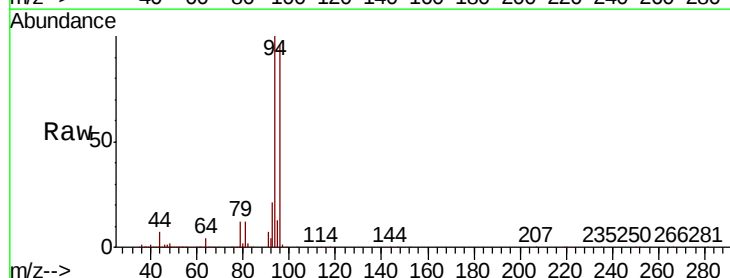
Acq: 22 Oct 2019 20:18

Tgt Ion: 94 Resp: 135883

Ion Ratio Lower Upper

94 100

96 96.1 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

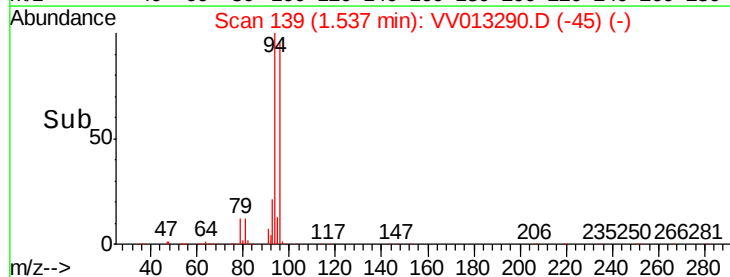
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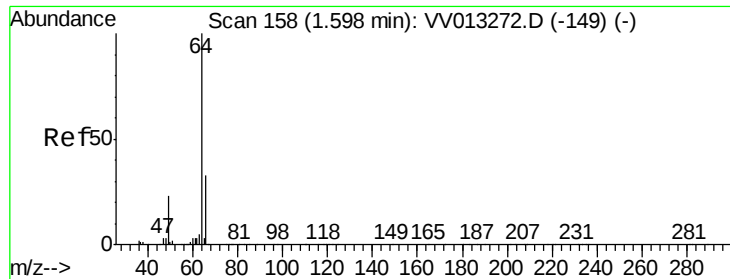
50000

0

Time-->

1.50 1.55 1.60

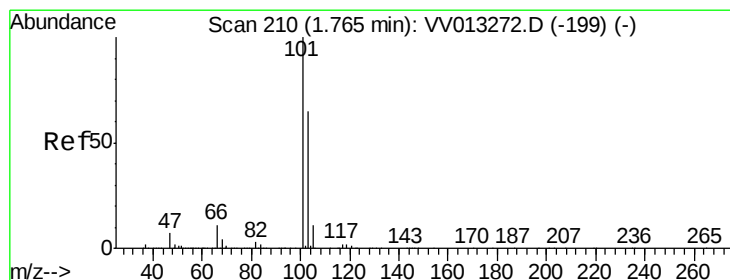
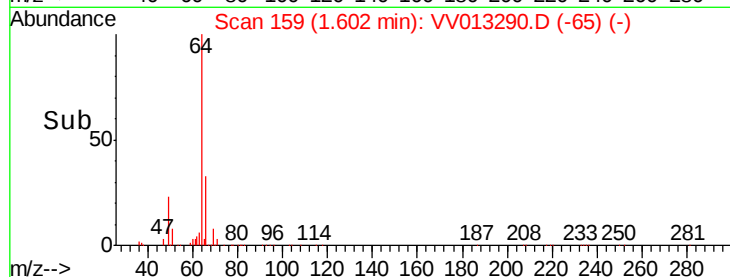
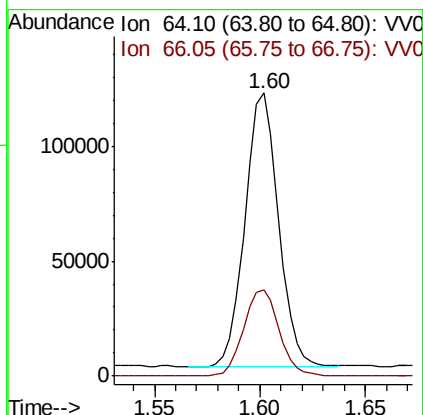
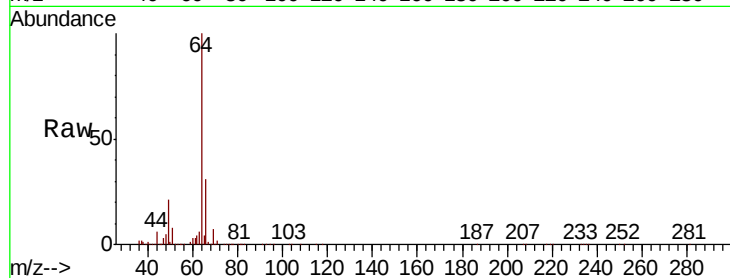




#8
Chloroethane
Concen: 4.633 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

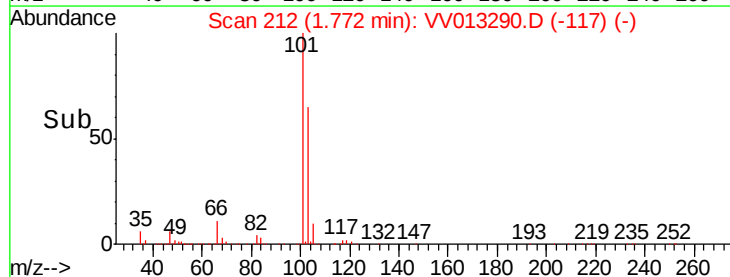
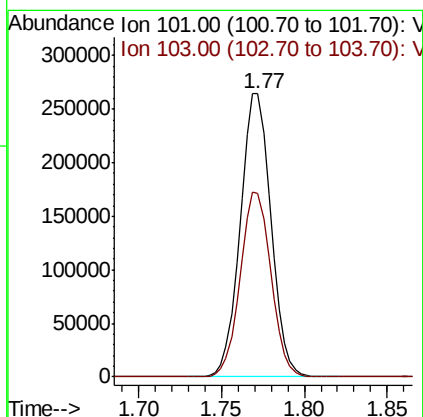
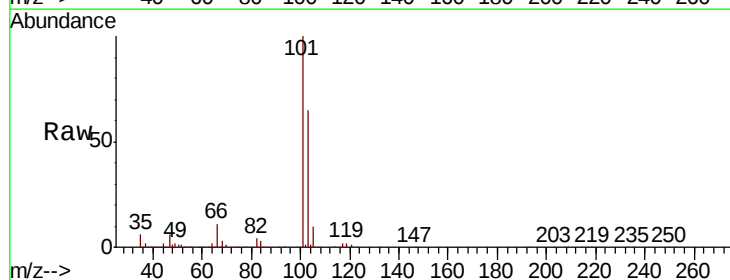
Instrument :
MSVOA_V
ClientSampleId :

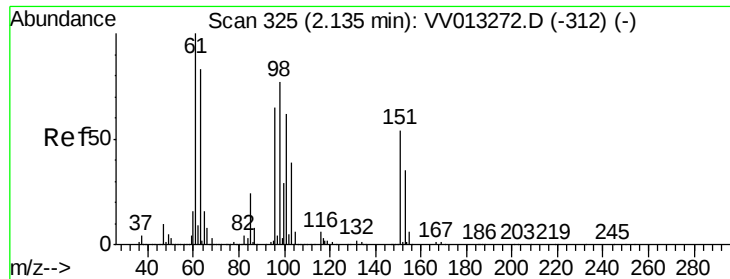
Tot Ion: 64 Resp: 131579
Ion Ratio Lower Upper
64 100
66 30.6 22.7 42.3



#9
Trichlorofluoromethane
Concen: 4.935 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.01 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

Tgt Ion: 101 Resp: 340321
Ion Ratio Lower Upper
101 100
103 65.3 52.8 79.2





#10

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

Concen: 4.967 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

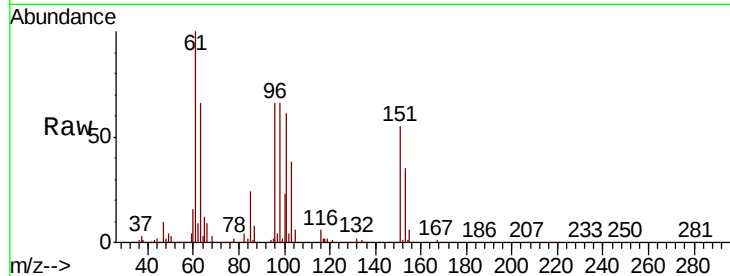
Tot Ion:101 Resp: 202388

Ion Ratio Lower Upper

101 100

85 40.2 31.8 47.8

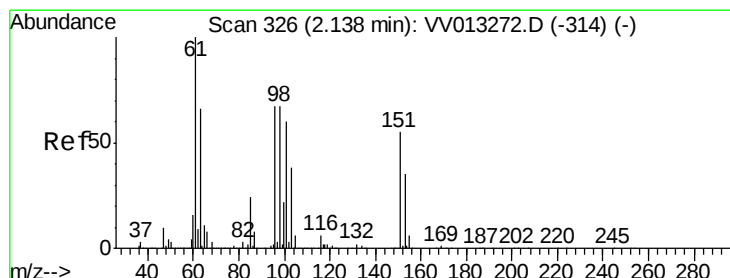
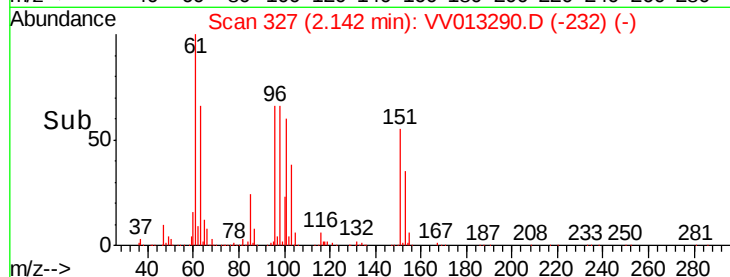
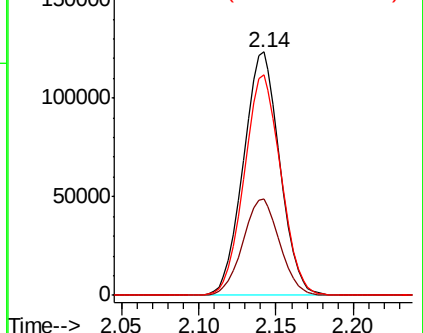
151 91.2 72.9 109.3



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: 4.946 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

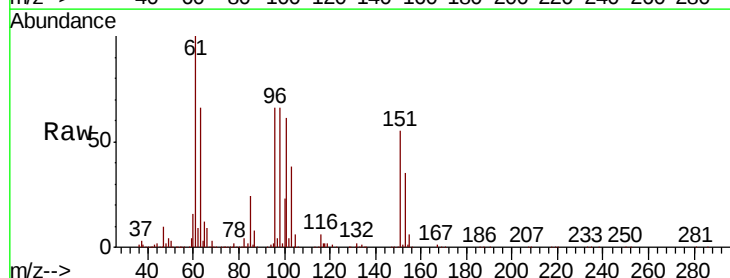
Tgt Ion: 96 Resp: 192007

Ion Ratio Lower Upper

96 100

61 151.4 104.0 193.1

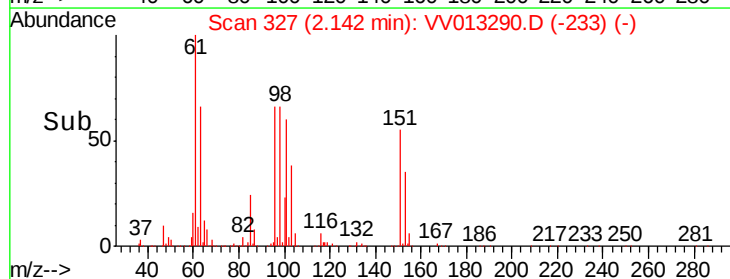
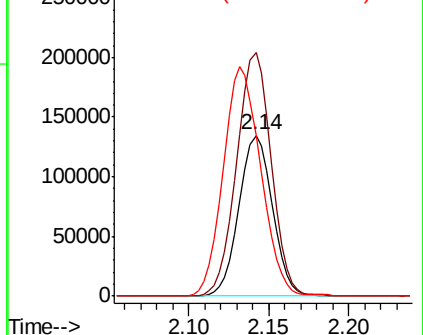
63 99.5 67.1 124.5

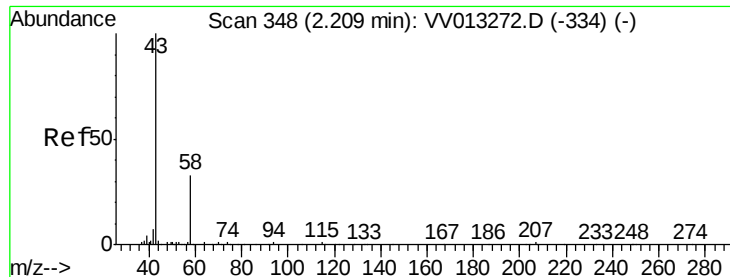


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.073 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

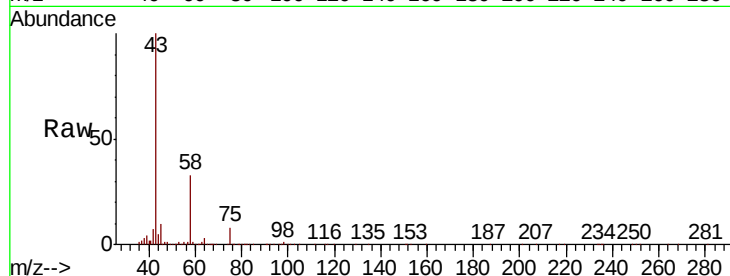
ClientSampled :

Tot Ion: 43 Resp: 235223

Ion Ratio Lower Upper

43 100

58 33.9 0.0 26.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

100000

80000

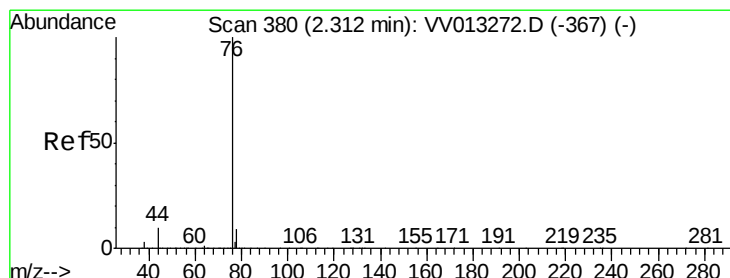
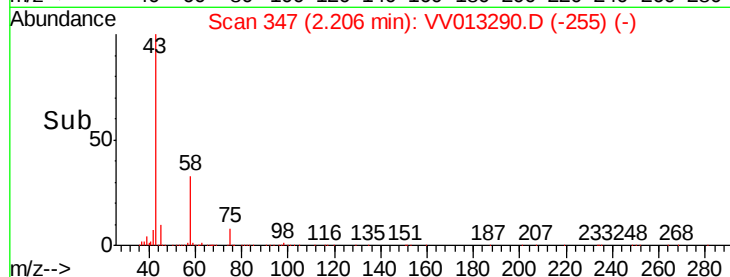
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.972 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013290.D

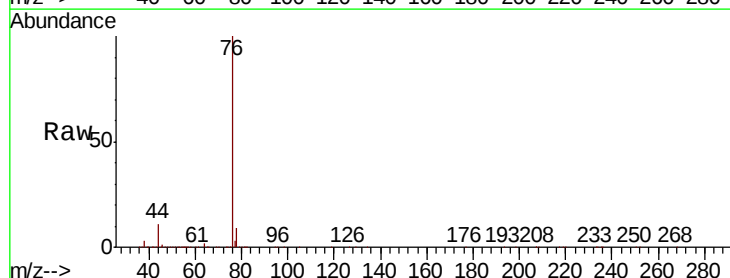
Acq: 22 Oct 2019 20:18

Tgt Ion: 76 Resp: 554182

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

400000

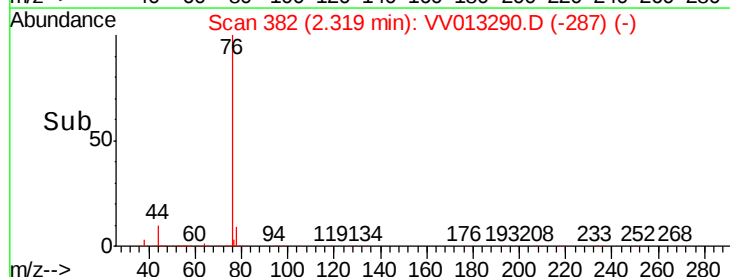
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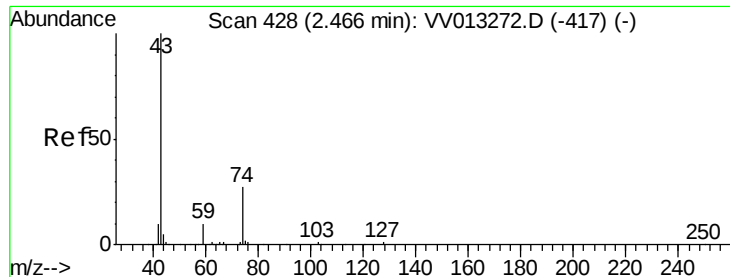
200000

100000

0

Time--> 2.25 2.30 2.35

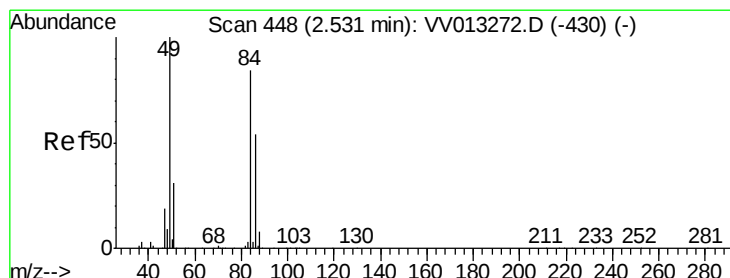
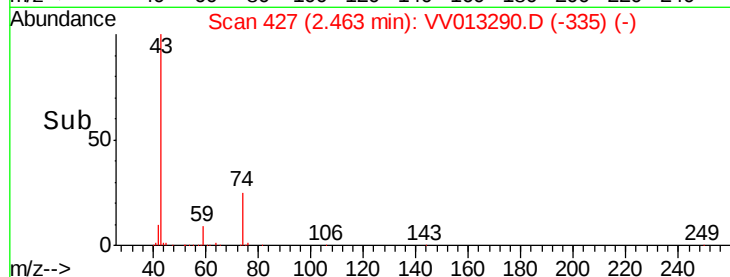
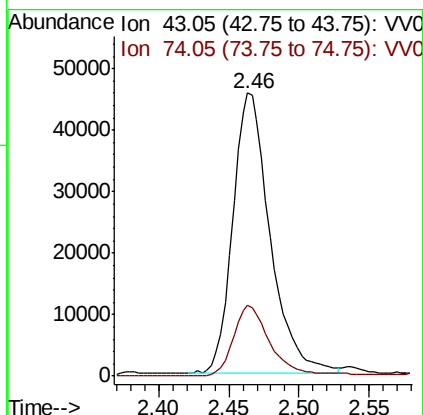
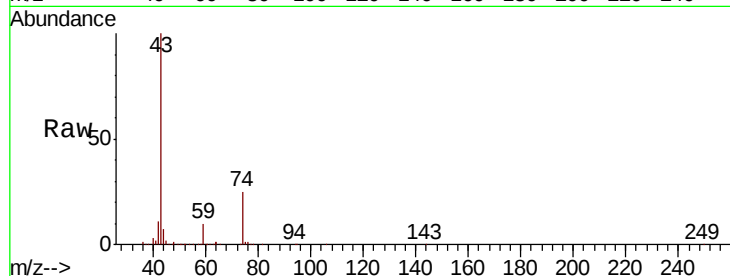




#15
Methvl Acetate
Concen: 6.874 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

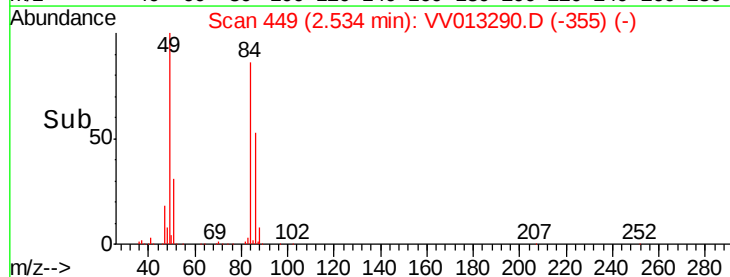
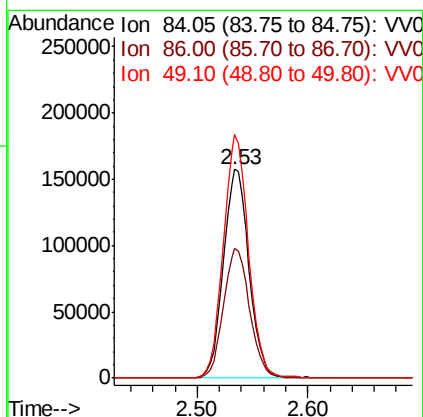
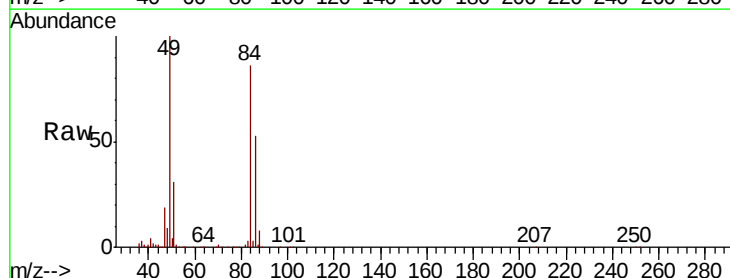
Instrument :
MSVOA_V
ClientSampled :

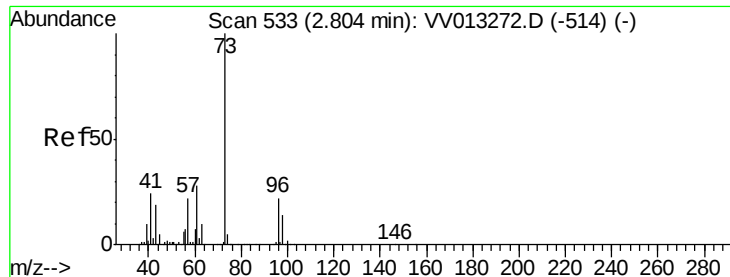
Tot Ion: 43 Resp: 84025
Ion Ratio Lower Upper
43 100
74 24.8 20.4 30.6



#16
Methylene chloride
Concen: 4.342 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

Tgt Ion: 84 Resp: 253311
Ion Ratio Lower Upper
84 100
86 61.9 46.2 85.8
49 116.6 76.4 141.8



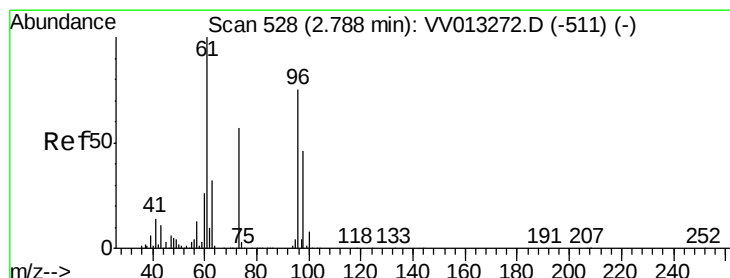
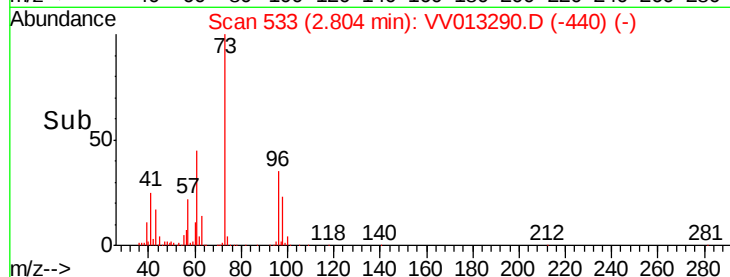
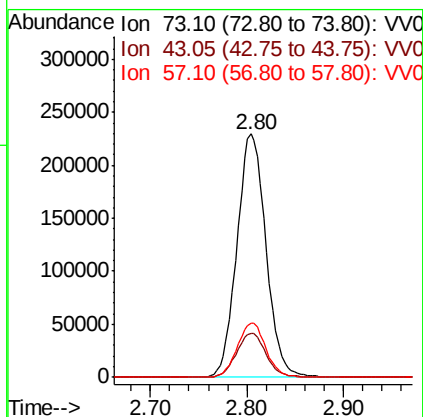
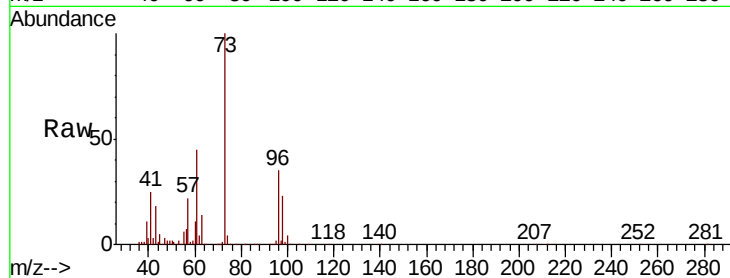


#17

Methvl tert-butvl Ether
 Concen: 5.325 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

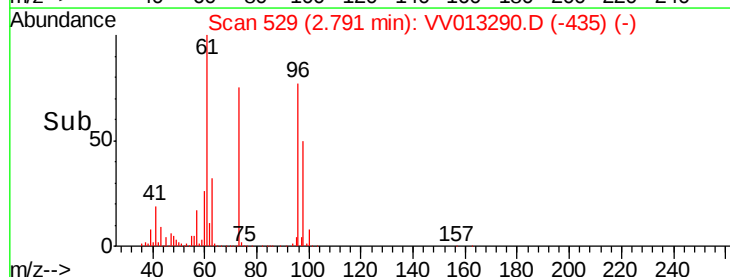
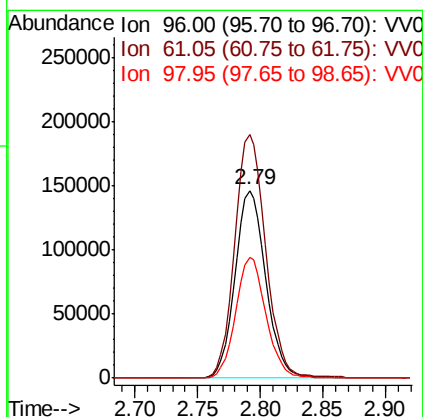
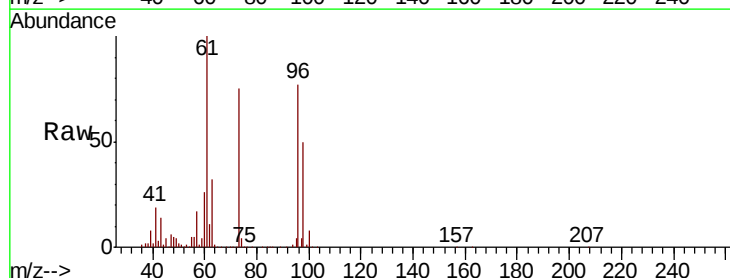
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.2	13.1	19.7
57	22.0	16.4	24.6

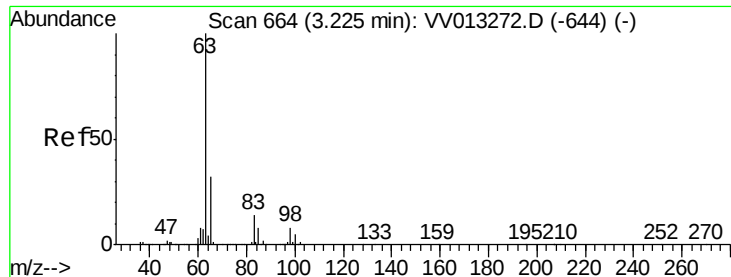


#18

trans-1,2-Dichloroethene
 Concen: 5.449 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.6	84.4	156.8
98	64.5	44.4	82.4

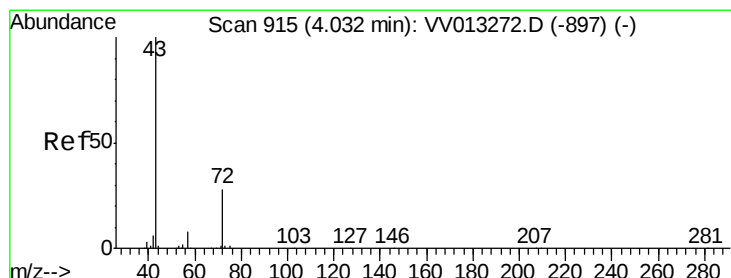
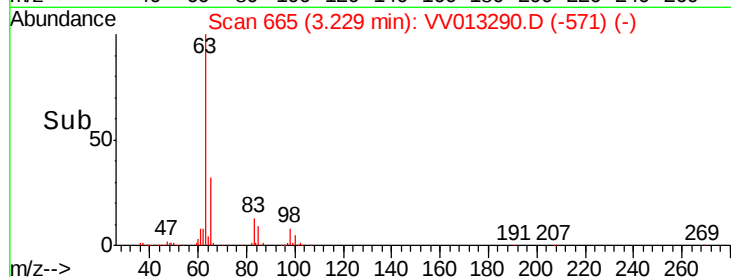
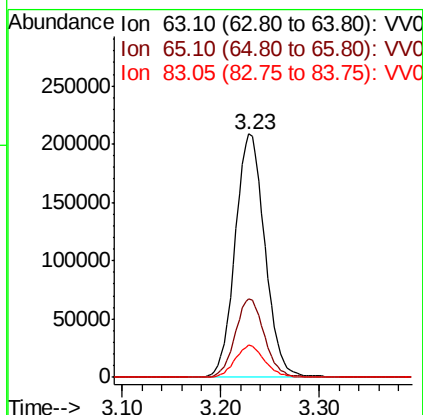
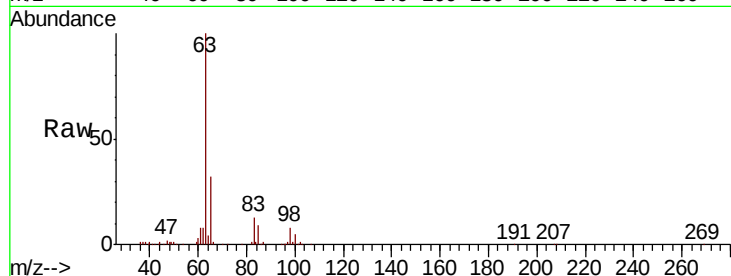




#19
 1,1-Dichloroethane
 Concen: 5.870 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

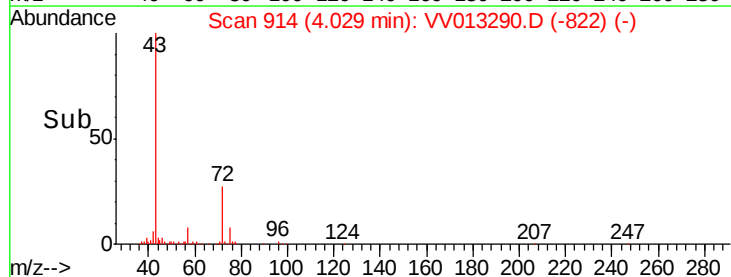
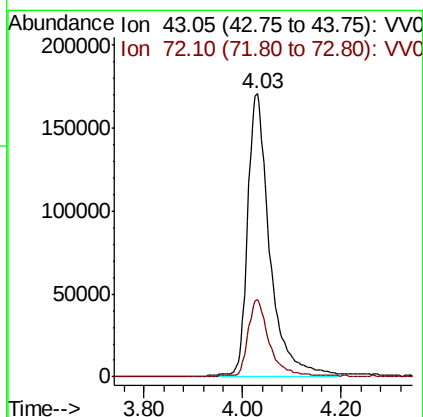
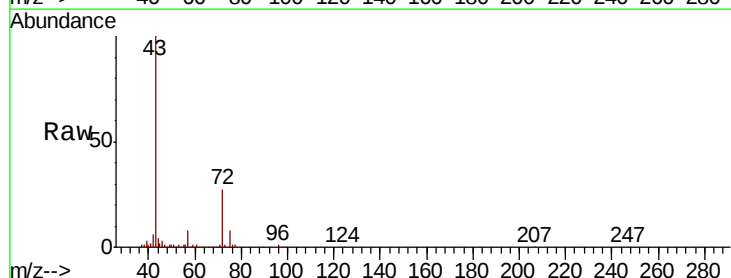
Instrument :
 MSVOA_V
 ClientSampled :

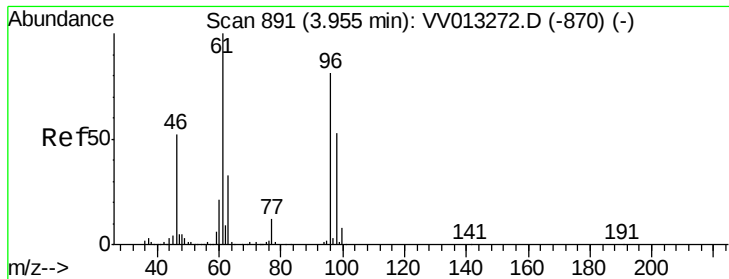
Tot Ion: 63 Resp: 436648
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.0 42.8
 83 13.1 10.2 19.0



#21
 2-Butanone
 Concen: 66.258 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion: 43 Resp: 536160
 Ion Ratio Lower Upper
 43 100
 72 24.6 13.1 39.3



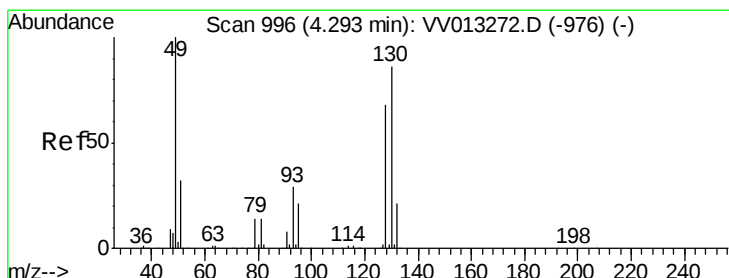
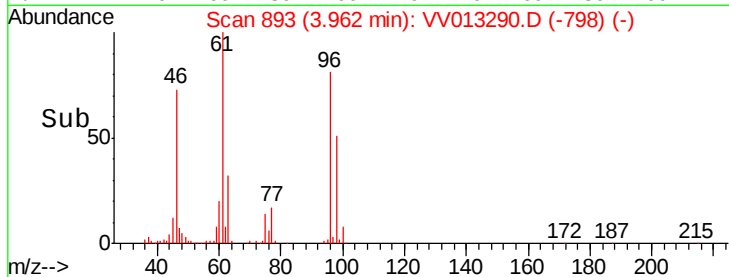
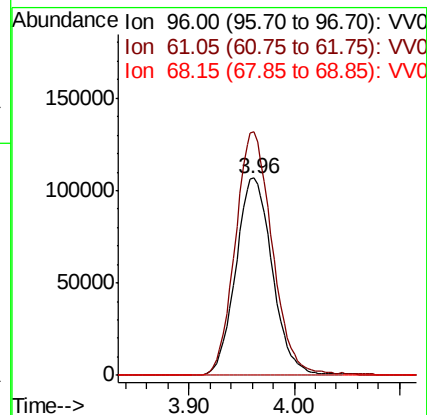
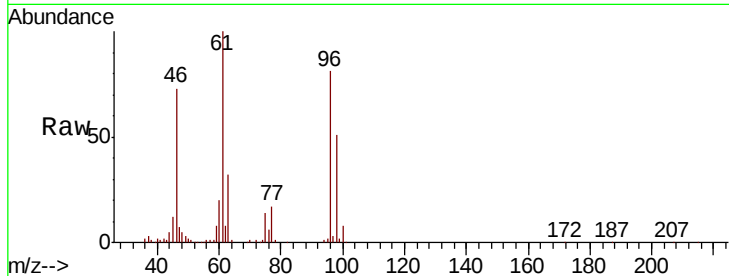


#22

cis-1,2-Dichloroethene
 Concen: 5.244 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

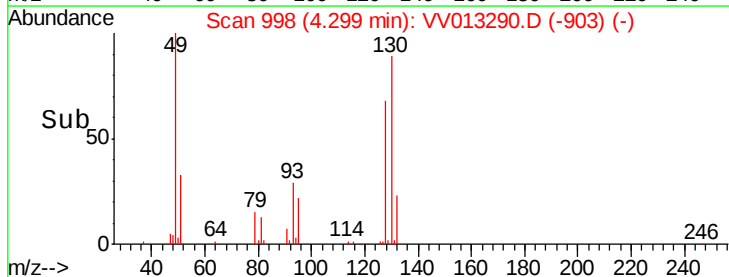
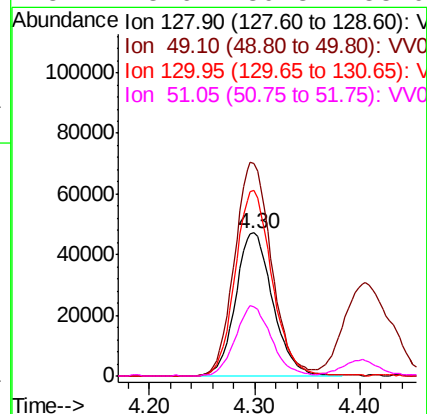
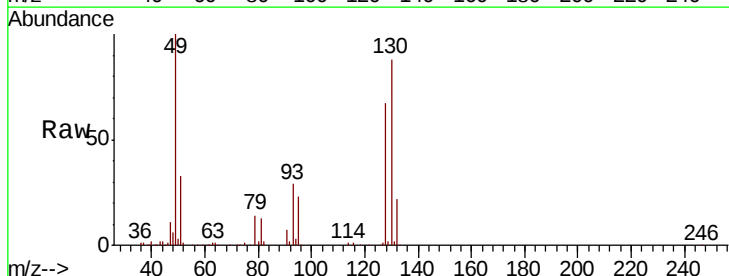
Tot Ion: 96 Resp: 256869
 Ion Ratio Lower Upper
 96 100
 61 123.5 77.3 143.7
 68 0.0 0.1 0.1#

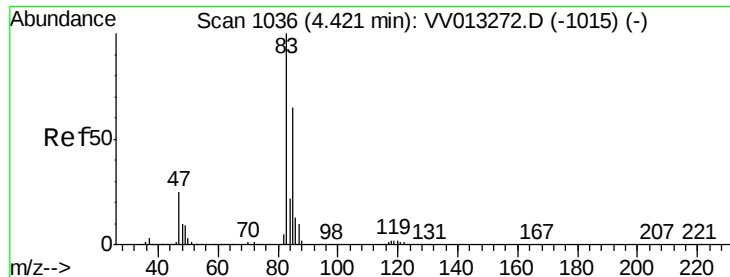


#23

Bromochloromethane
 Concen: 4.962 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion: 128 Resp: 115362
 Ion Ratio Lower Upper
 128 100
 49 148.4 109.9 204.1
 130 130.0 88.7 164.7
 51 48.6 39.3 58.9

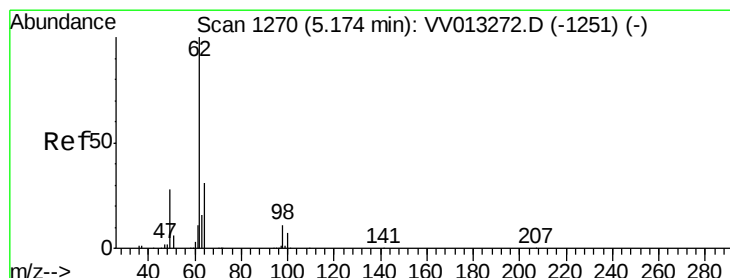
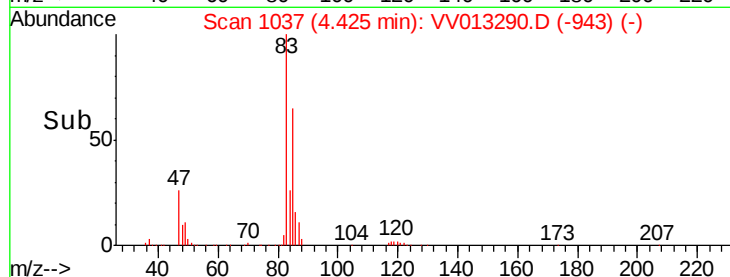
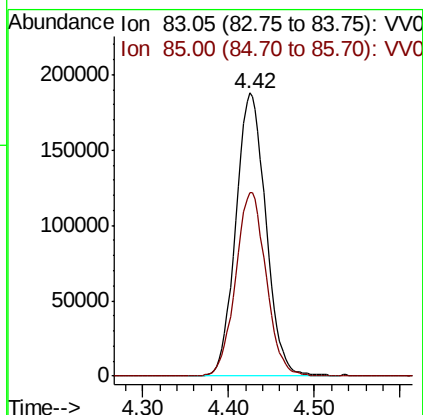
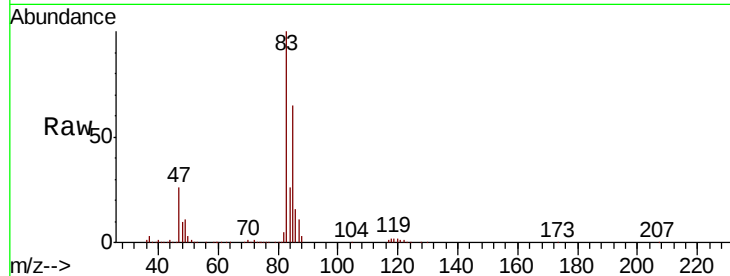




#25
Chloroform
Concen: 4.700 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

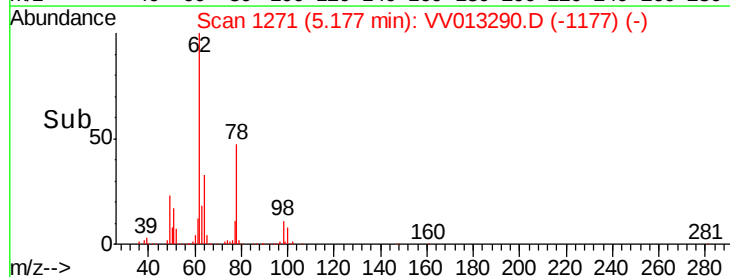
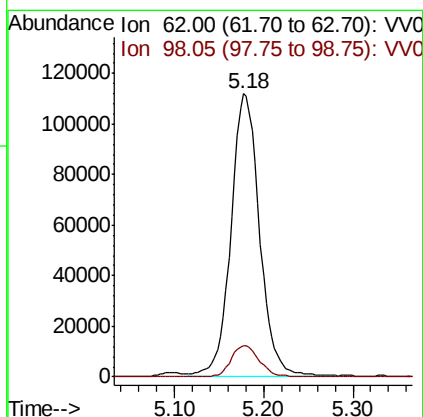
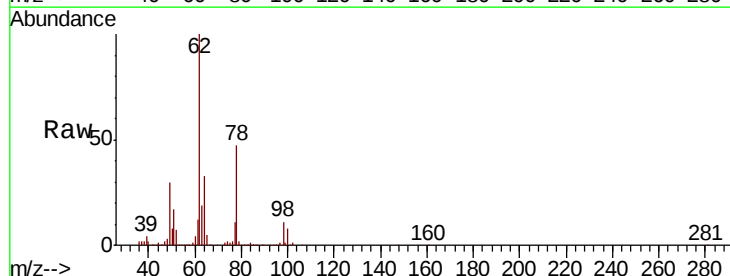
Instrument :
MSVOA_V
ClientSampleId :

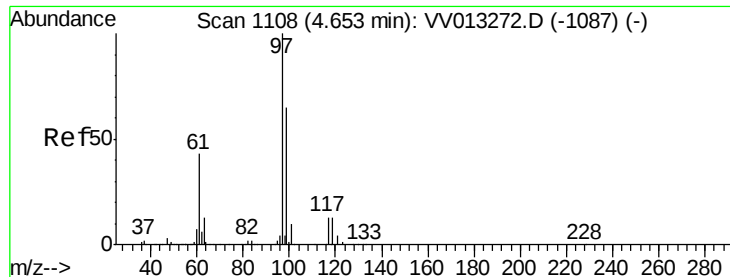
Tot Ion: 83 Resp: 455837
Ion Ratio Lower Upper
83 100
85 64.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.774 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

Tgt Ion: 62 Resp: 247253
Ion Ratio Lower Upper
62 100
98 11.1 8.3 12.5

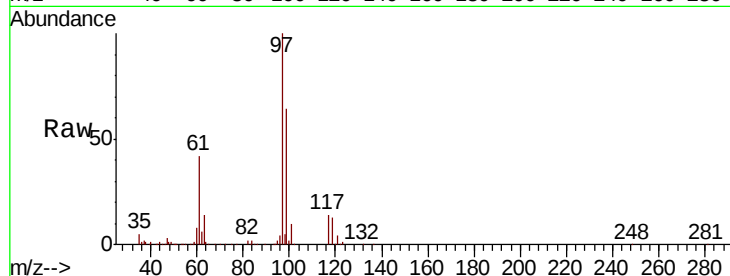




#29
 1,1,1-Trichloroethane
 Concen: 4.857 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	42.1	34.3	51.5

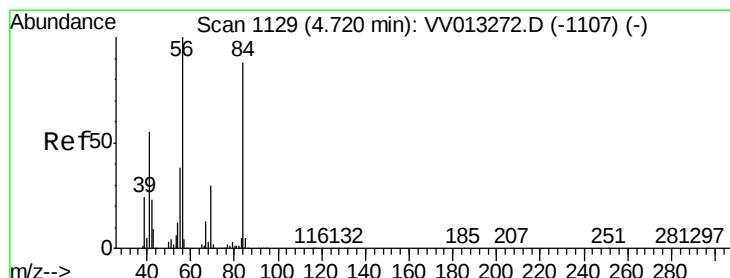
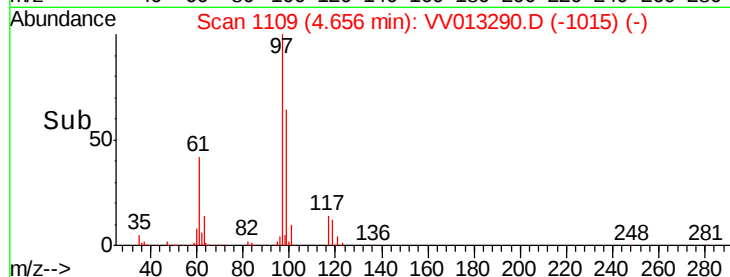
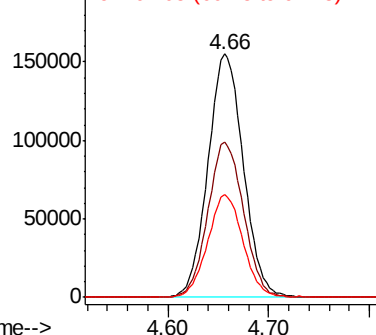


Abundance

Ion 96.95 (96.65 to 97.65): VV0

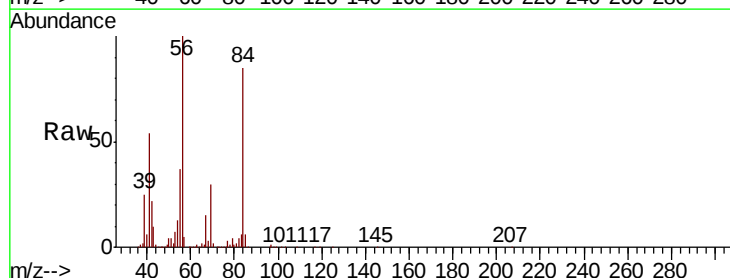
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 4.657 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.6	37.0
84	88.3	71.0	106.6

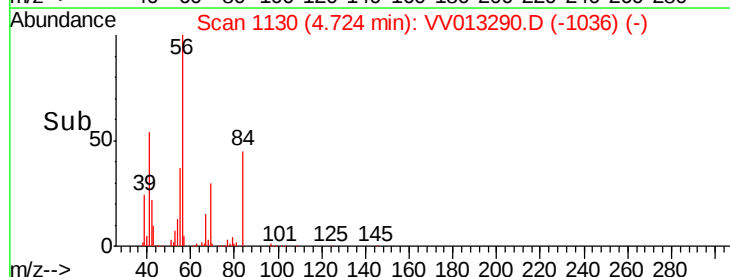
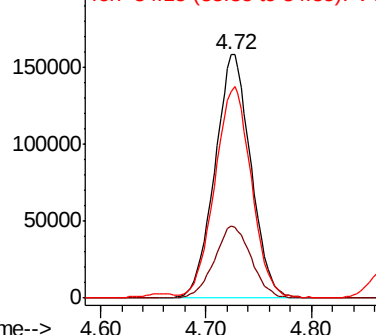


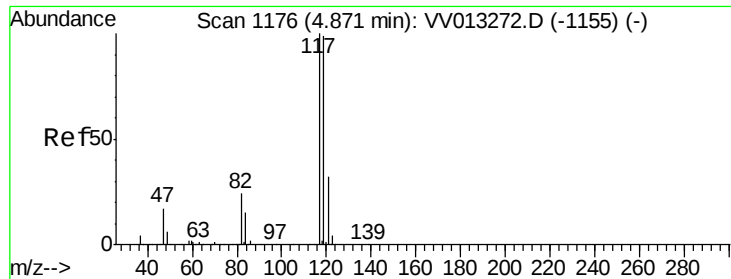
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

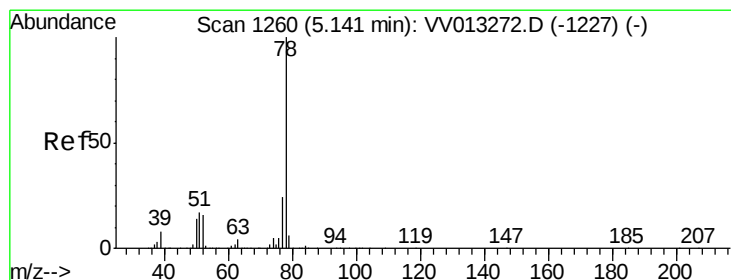
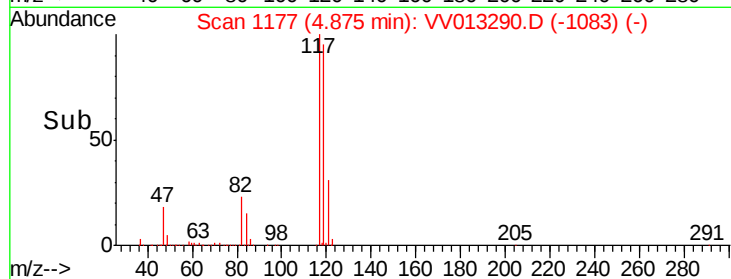
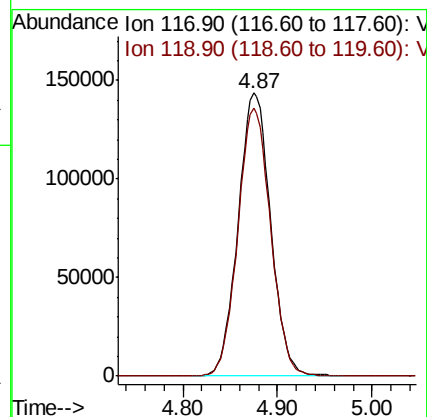
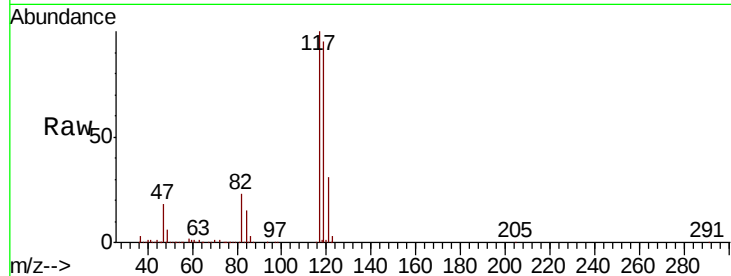




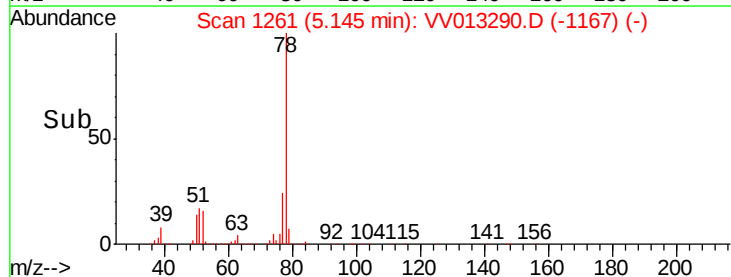
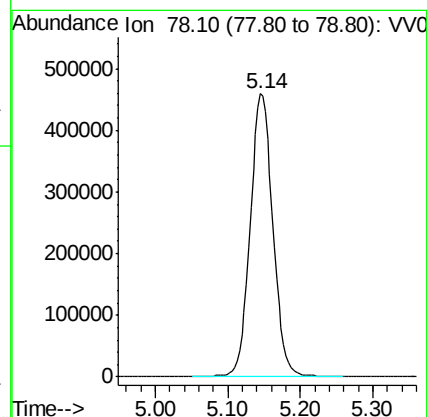
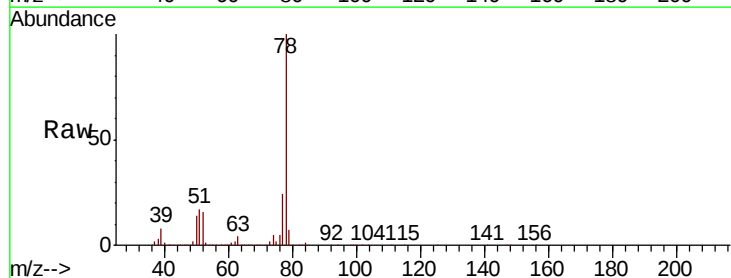
#31
Carbon tetrachloride
Concen: 4.915 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

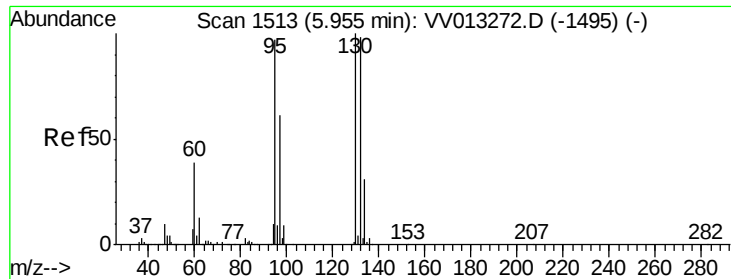
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 343035
Ion Ratio Lower Upper
117 100
119 95.2 77.4 116.0



#33
Benzene
Concen: 4.962 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18
Tgt Ion: 78 Resp: 997366

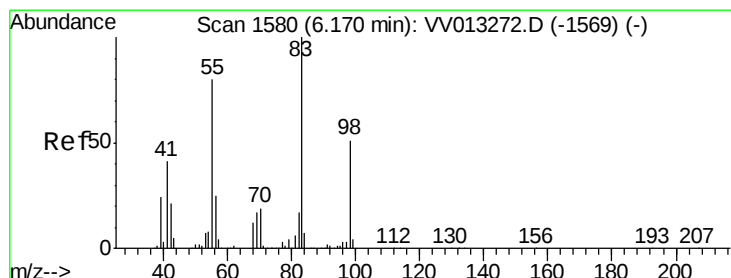
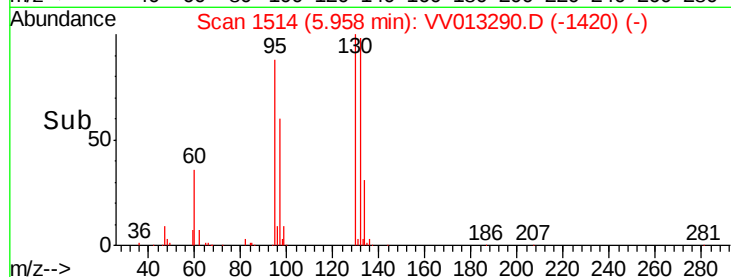
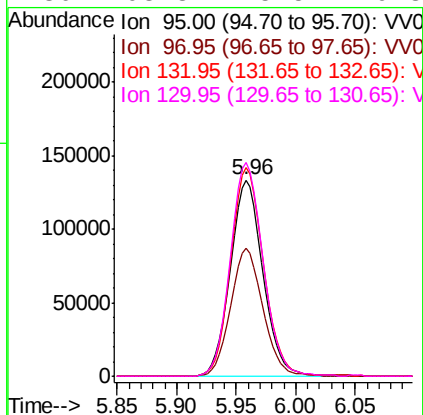
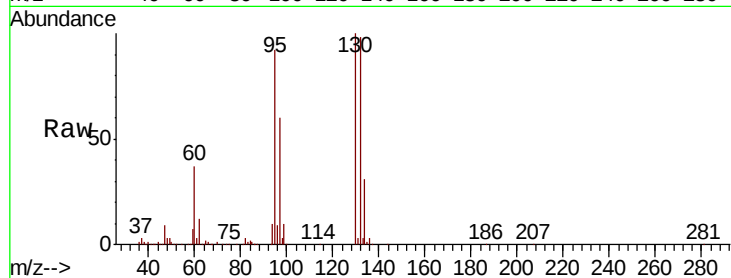




#34
 Trichloroethene
 Concen: 4.701 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

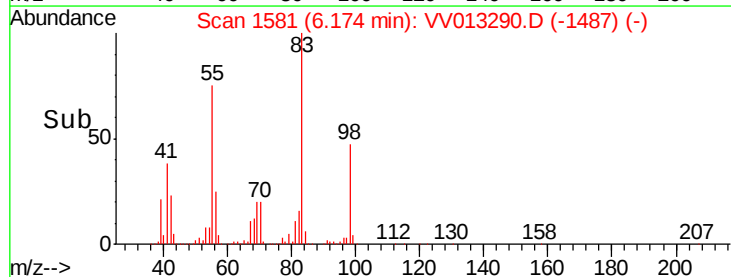
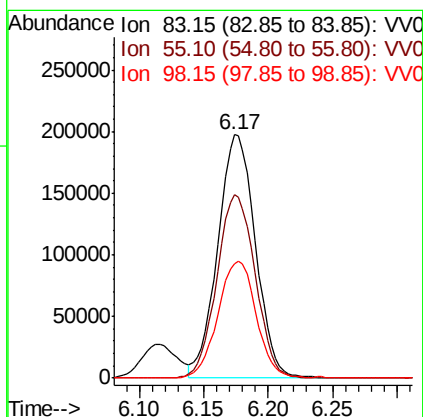
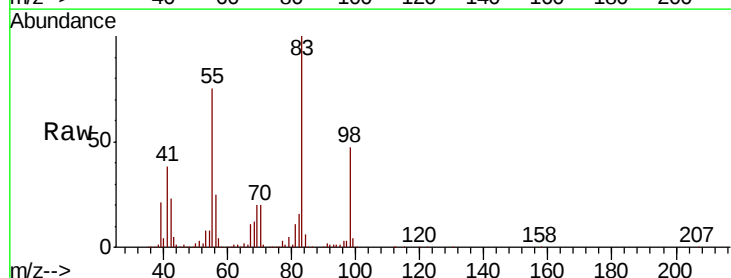
Instrument :
 MSVOA_V
 ClientSampleId :

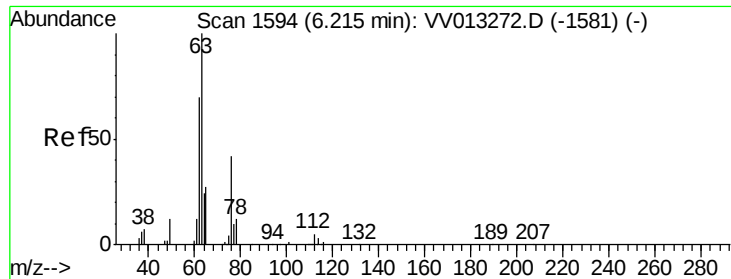
Tot Ion:	95	Resp:	253508
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.2	84.0
132	106.2	70.6	131.2
130	108.8	75.5	140.3



#35
 Methylcyclohexane
 Concen: 4.811 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion:	83	Resp:	399230
Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.4	93.6
98	48.8	39.2	58.8

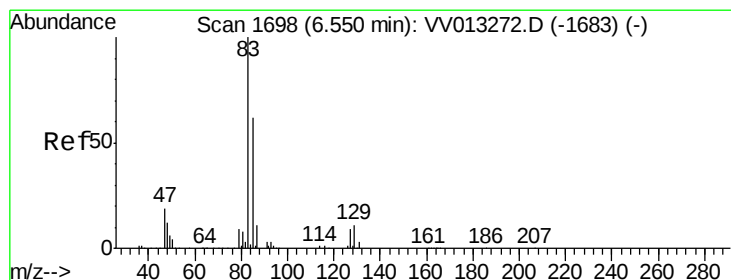
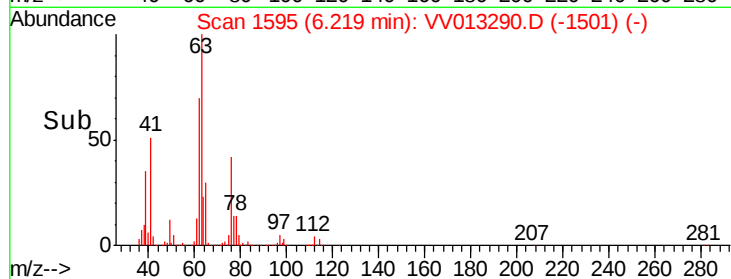
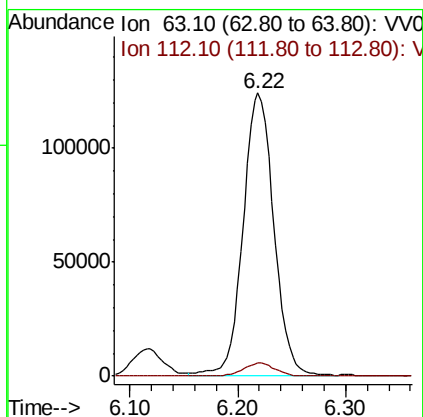
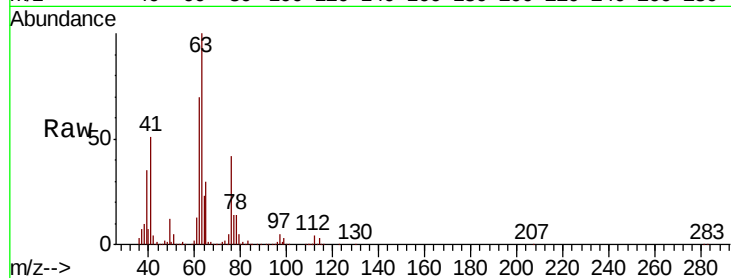




#37
 1,2-Dichloropropane
 Concen: 5.030 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

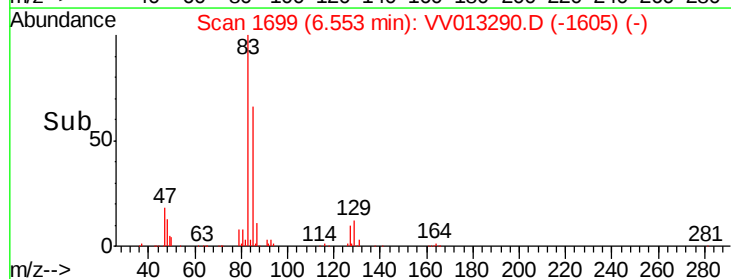
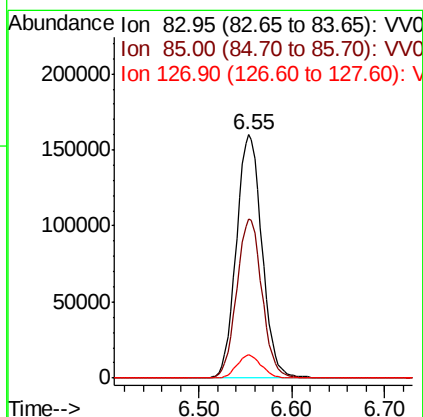
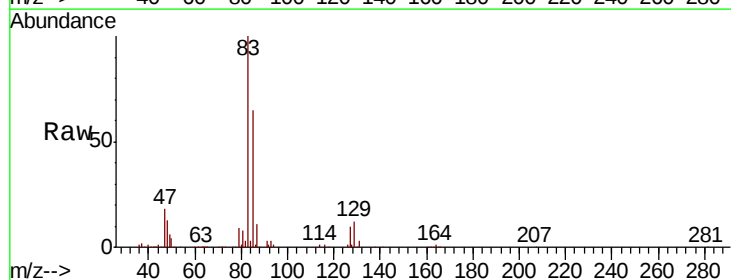
Instrument :
 MSVOA_V
 ClientSampled :

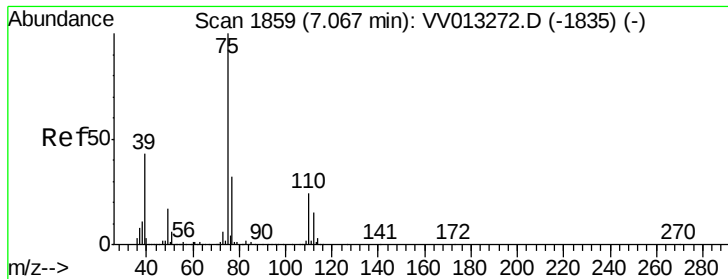
Tot Ion: 63 Resp: 245550
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.859 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion: 83 Resp: 307039
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.4 82.5
 127 9.6 6.6 10.0

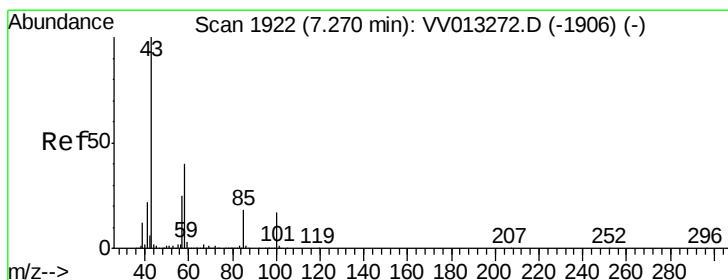
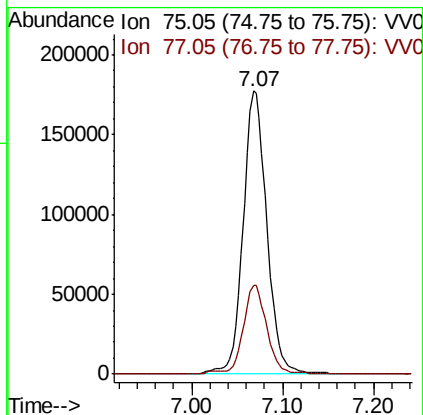
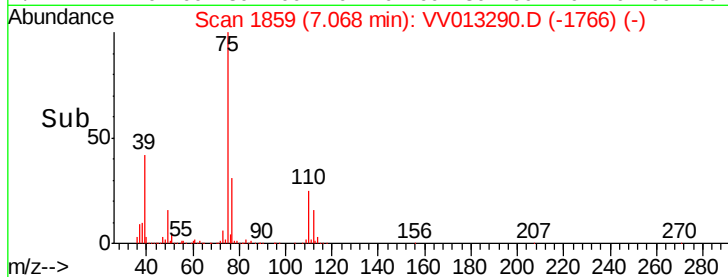
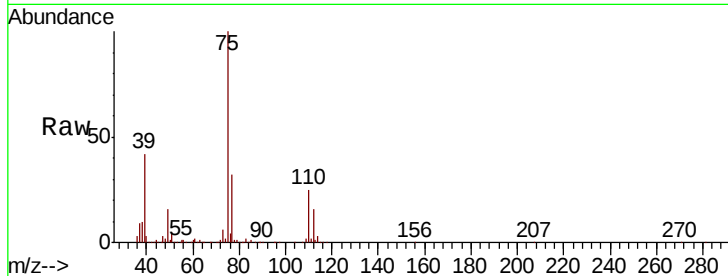




#39
 cis-1,3-Dichloropropene
 Concen: 4.672 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

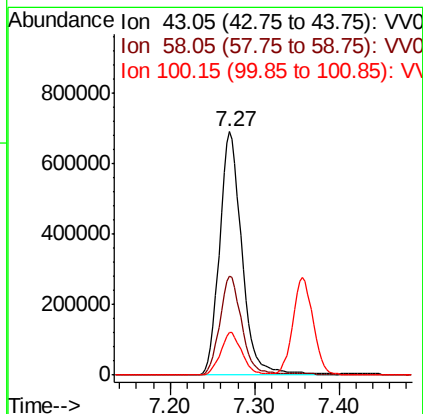
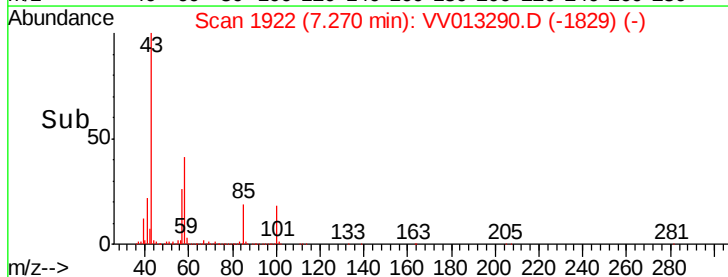
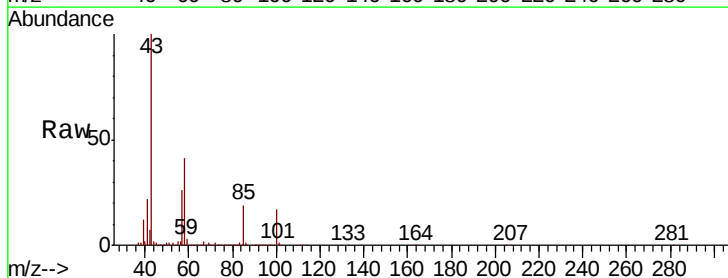
Instrument :
 MSVOA_V
 ClientSampleId :

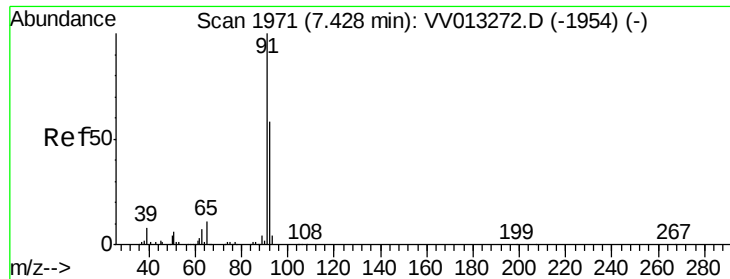
Tot Ion: 75 Resp: 321289
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 51.116 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion: 43 Resp: 1275661
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.7 46.1
 100 16.8 12.4 18.6





#42

Toluene

Concen: 5.133 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

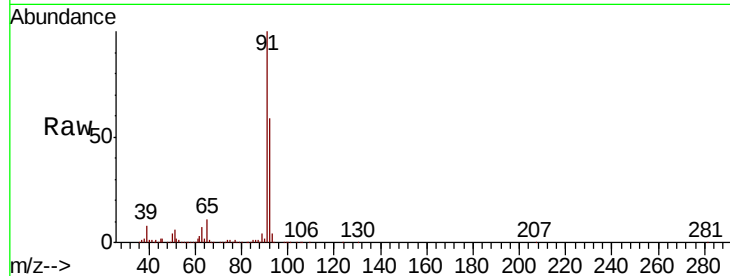
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1083320

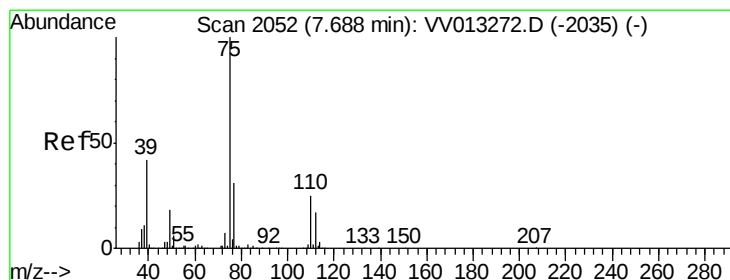
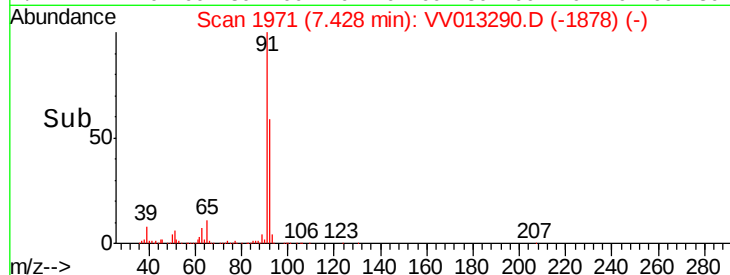
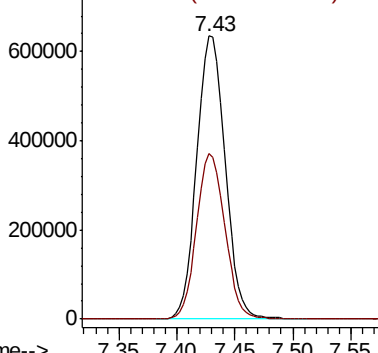
Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.1



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: 4.668 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013290.D

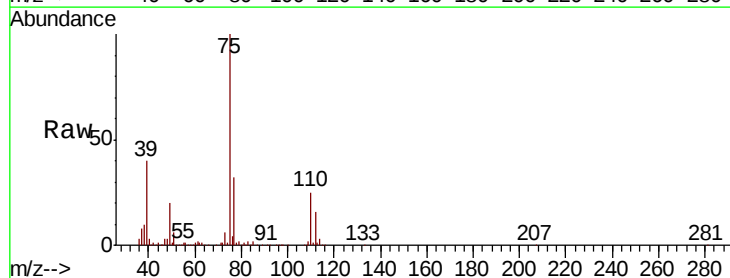
Acq: 22 Oct 2019 20:18

Tgt Ion: 75 Resp: 243126

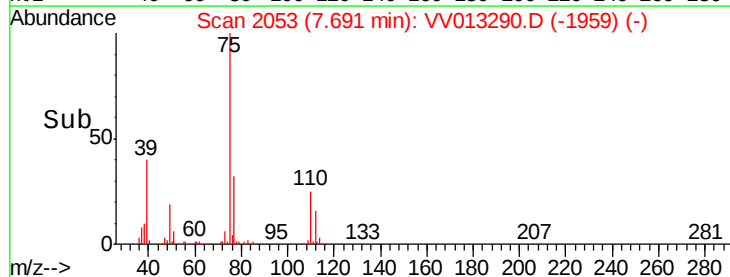
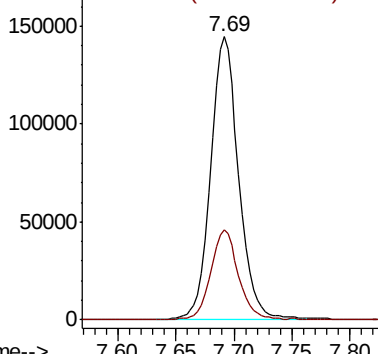
Ion Ratio Lower Upper

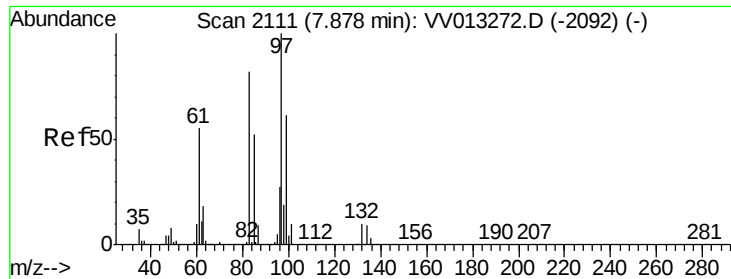
75 100

77 32.0 21.8 40.6



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

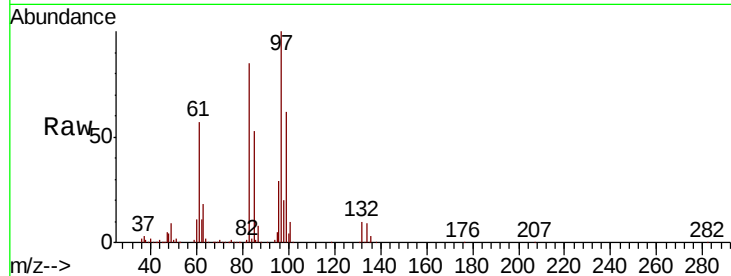




#45
 1,1,2-Trichloroethane
 Concen: 4.893 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	166725
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.2	78.4
83	85.3	58.4	108.4
85	53.5	37.0	68.6



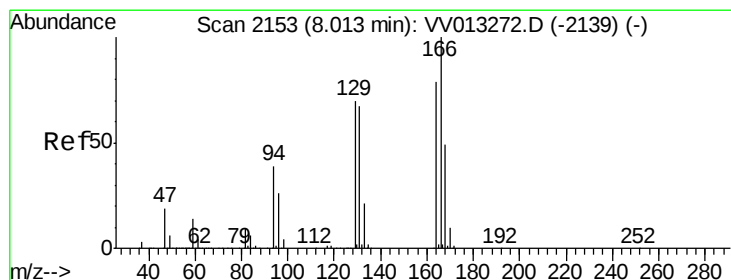
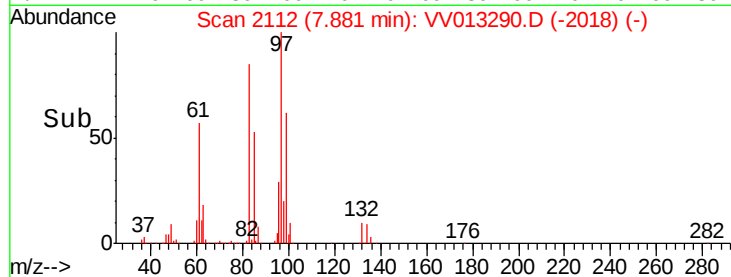
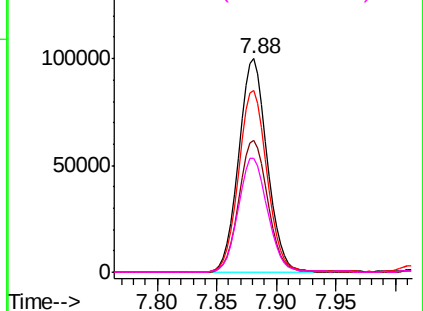
Abundance

Ion 96.95 (96.65 to 97.65): VV013272.D (-2092) (-)

Ion 99.05 (98.75 to 99.75): VV013272.D (-2092) (-)

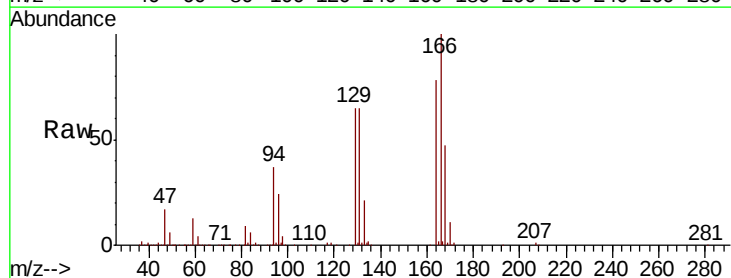
Ion 82.95 (82.65 to 83.65): VV013272.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV013272.D (-2092) (-)



#47
 Tetrachloroethene
 Concen: 4.952 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion:	164	Resp:	242544
Ion	Ratio	Lower	Upper
164	100		
129	83.7	61.0	113.2
131	83.3	57.5	106.9
166	128.9	87.8	163.0



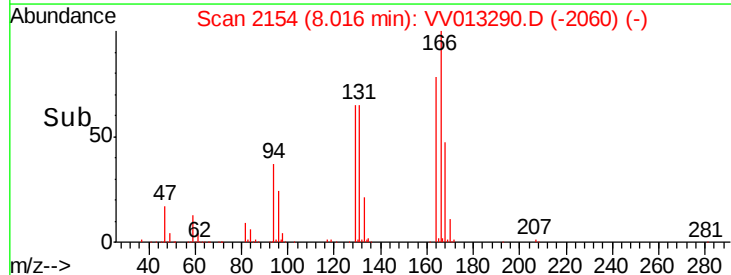
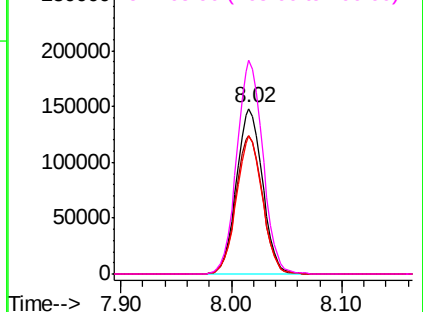
Abundance

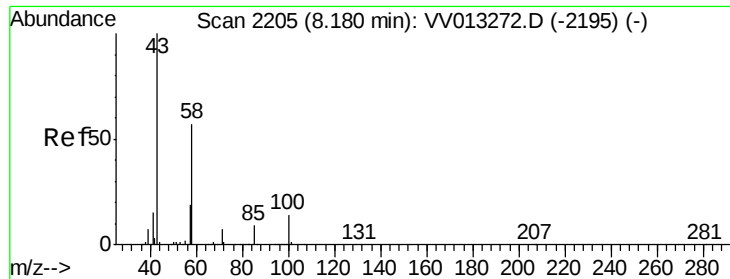
Ion 163.90 (163.60 to 164.60): VV013272.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013272.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013272.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013272.D (-2139) (-)

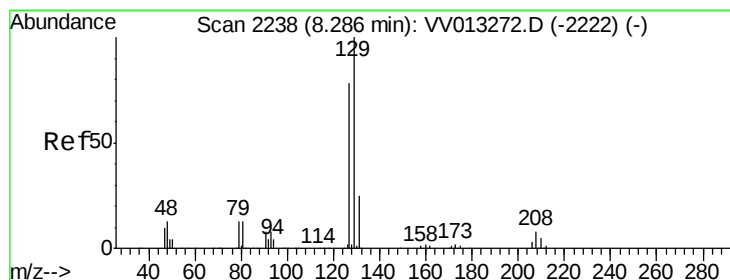
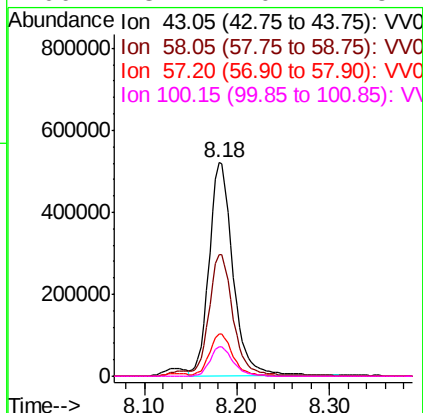
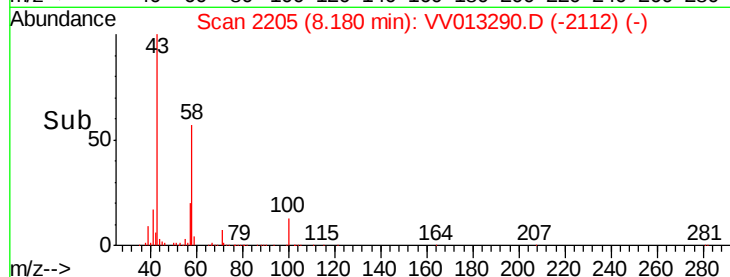
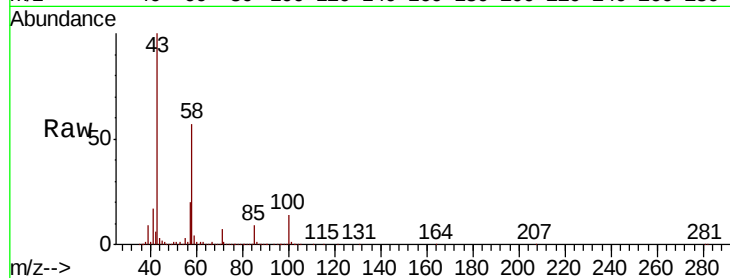




#48
2-Hexanone
Concen: 52.014 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

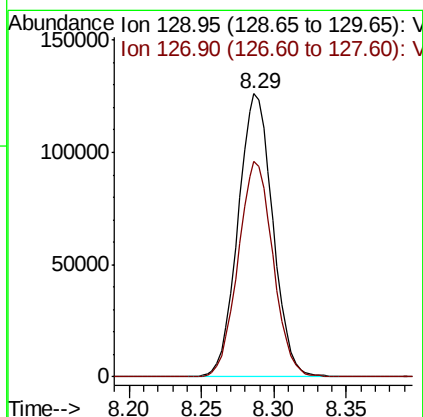
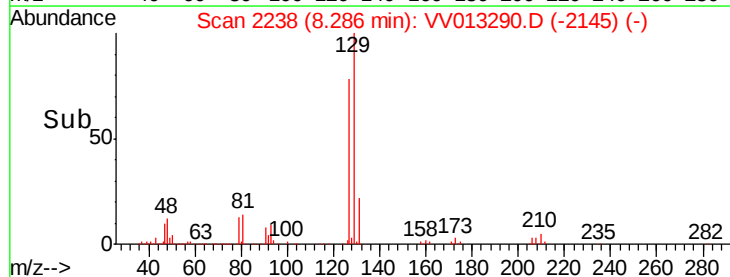
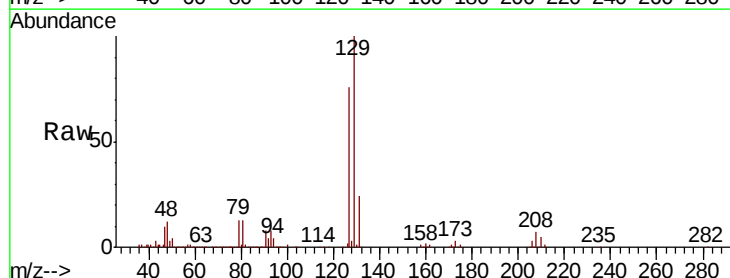
Instrument :
MSVOA_V
ClientSampleId :

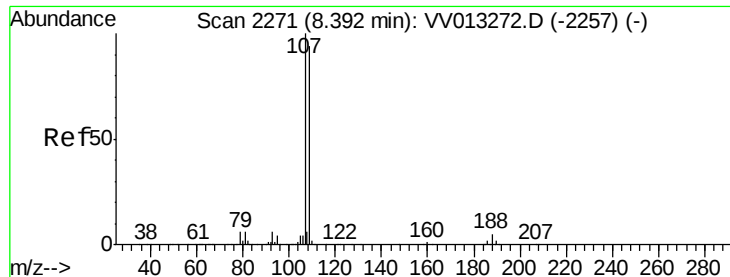
Tot Ion: 43 Resp: 926669
Ion Ratio Lower Upper
43 100
58 57.3 45.1 67.7
57 19.1 15.5 23.3
100 13.2 10.2 15.2



#49
Dibromochloromethane
Concen: 4.893 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

Tgt Ion: 129 Resp: 210012
Ion Ratio Lower Upper
129 100
127 75.9 54.1 100.5

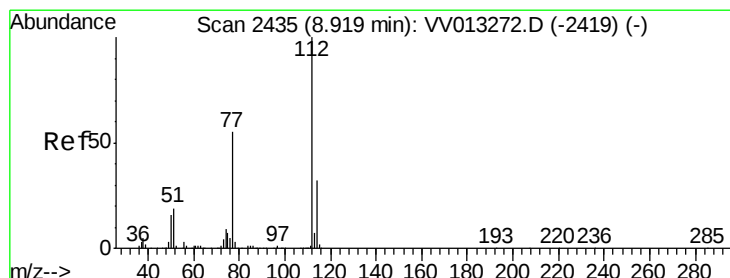
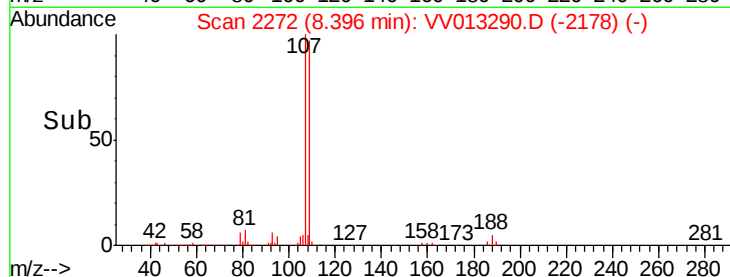
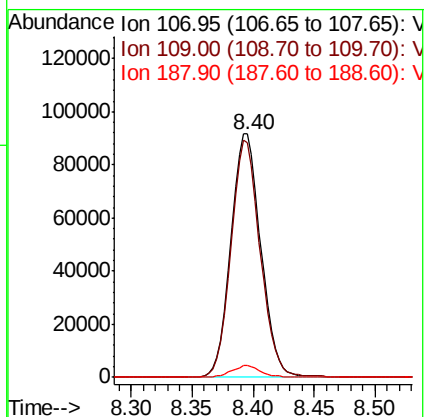
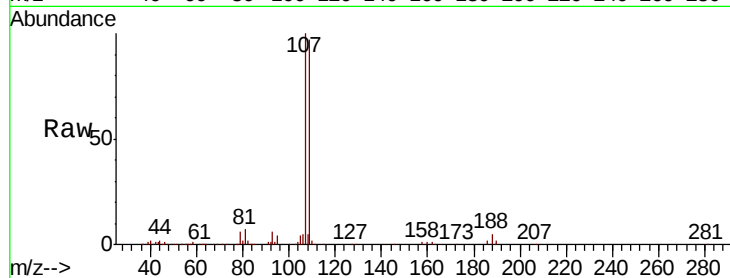




#50
1,2-Dibromoethane
Concen: 4.821 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

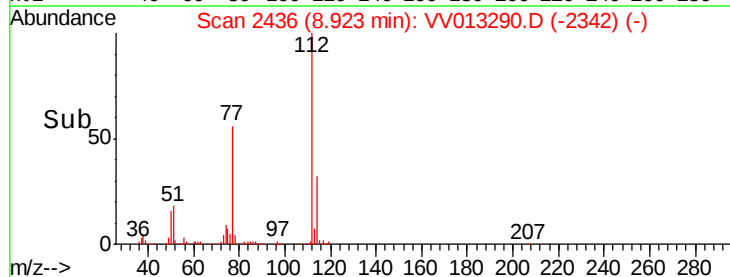
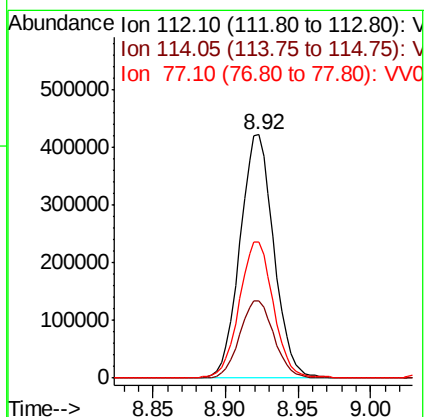
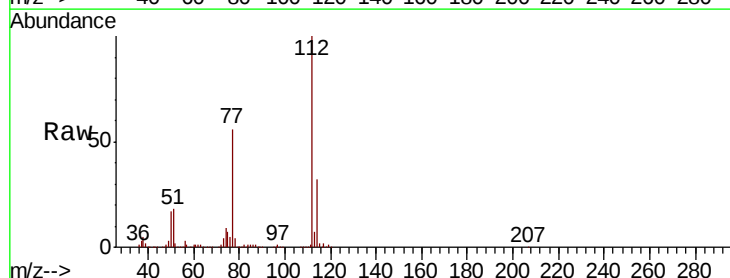
Instrument :
MSVOA_V
ClientSampleId :

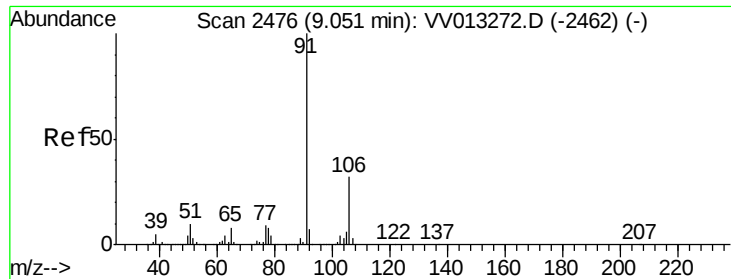
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	65.5	121.6
188	4.8	3.7	5.5



#51
Chlorobenzene
Concen: 4.959 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013290.D
Acq: 22 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.8	40.6
77	55.7	44.4	66.6





#52

Ethylbenzene

Concen: 5.158 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

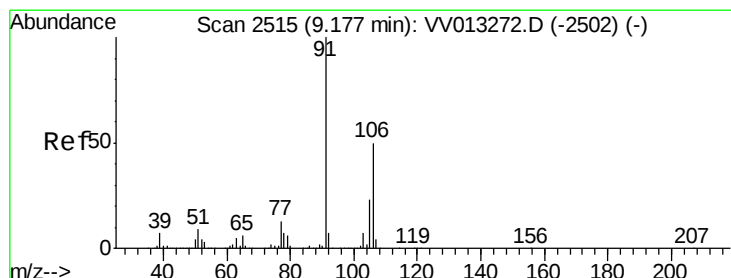
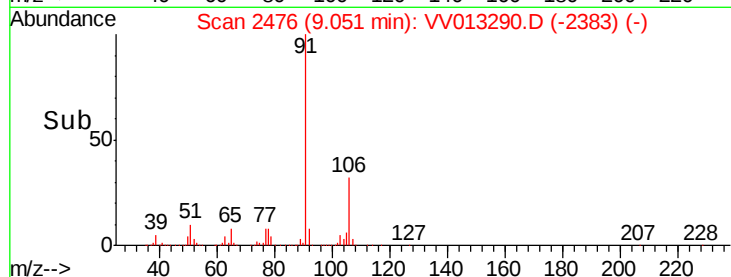
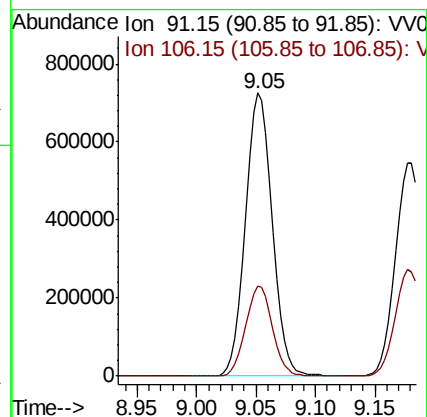
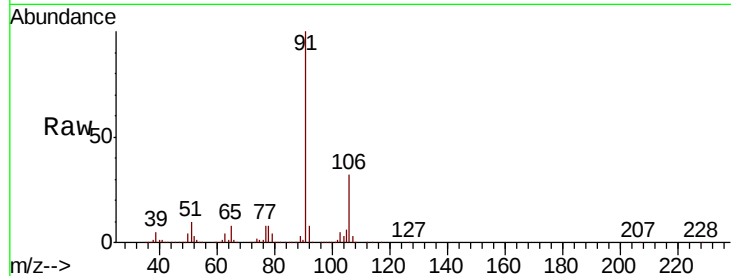
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1134773

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



#53

m,p-xylene

Concen: 5.309 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013290.D

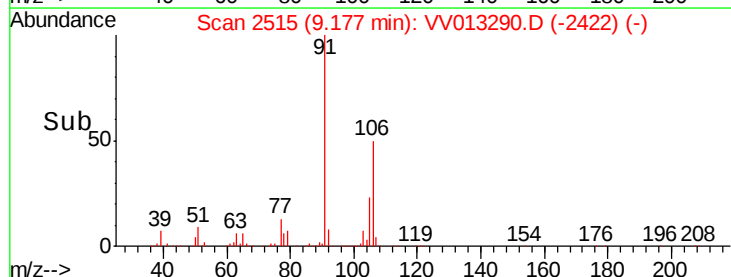
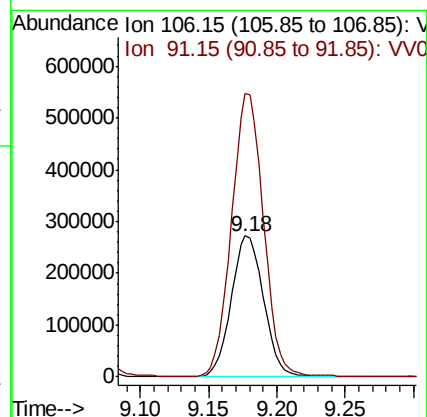
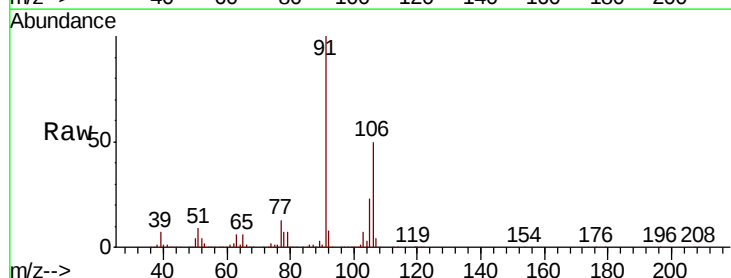
Acq: 22 Oct 2019 20:18

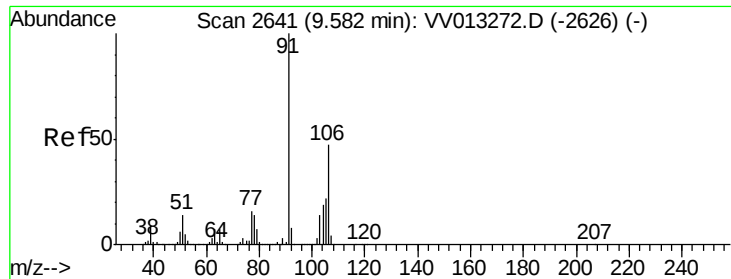
Tgt Ion: 106 Resp: 447149

Ion Ratio Lower Upper

106 100

91 200.5 137.8 255.8





#54

o-xylene

Concen: 5.283 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

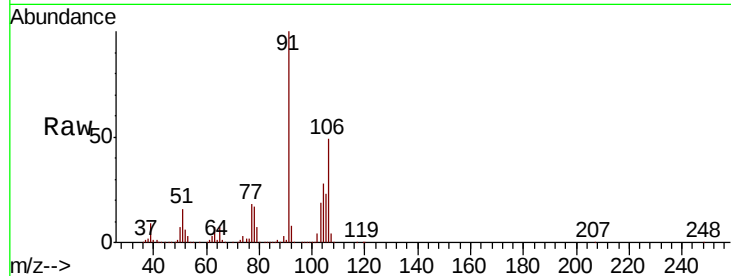
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 422424

Ion Ratio Lower Upper

106 100

91 205.4 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): VV013290.D (-2548) (-)

Ion 91.15 (90.85 to 91.85): VV013290.D (-2548) (-)

600000

500000

400000

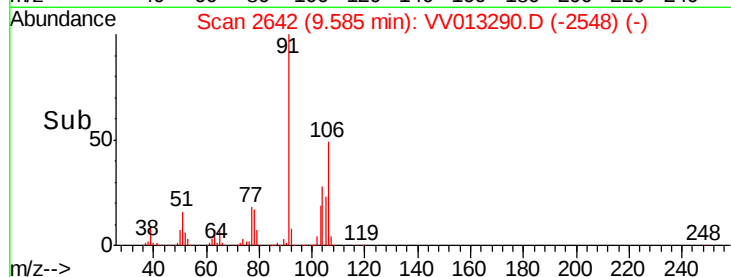
300000

200000

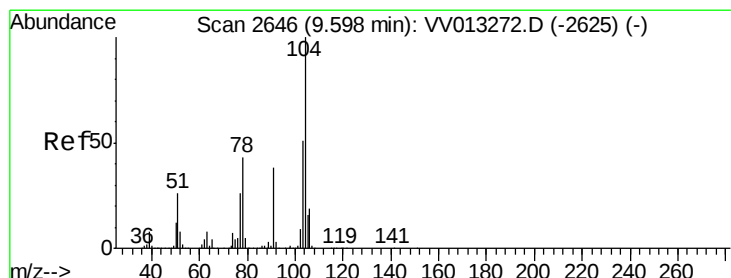
100000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 5.467 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013290.D

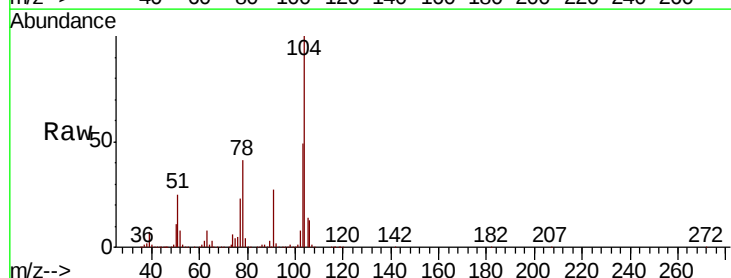
Acq: 22 Oct 2019 20:18

Tgt Ion:104 Resp: 743012

Ion Ratio Lower Upper

104 100

78 40.6 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): VV013290.D (-2553) (-)

Ion 78.10 (77.80 to 78.80): VV013290.D (-2553) (-)

500000

400000

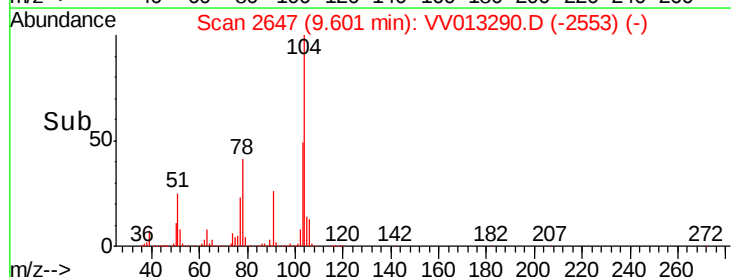
300000

200000

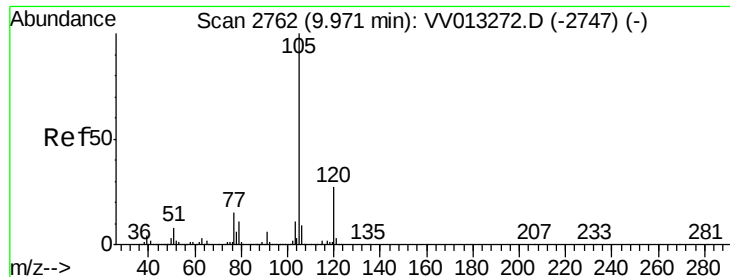
100000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 5.387 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

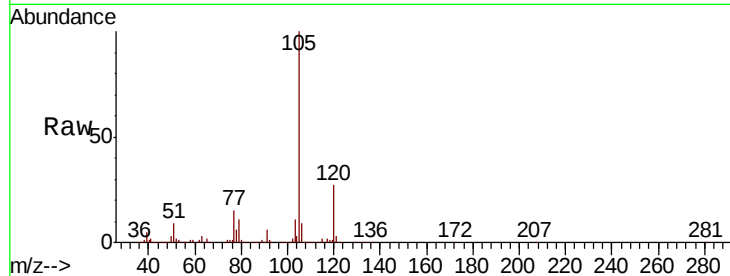
Tot Ion:105 Resp: 1136215

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

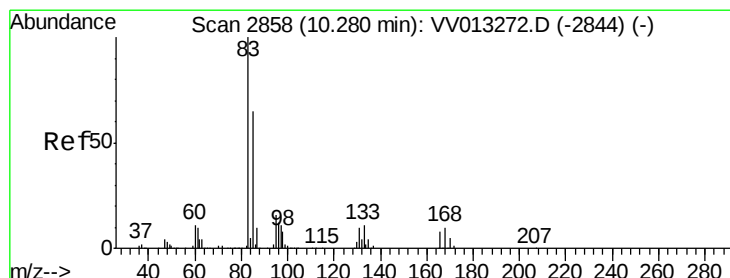
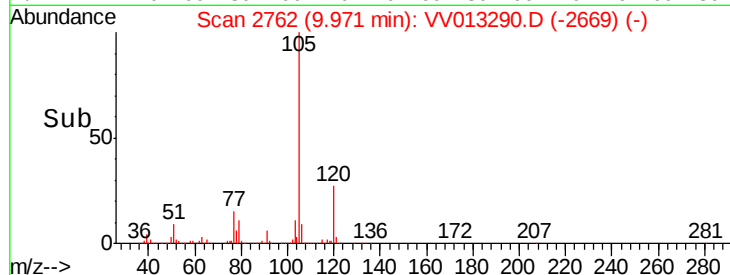
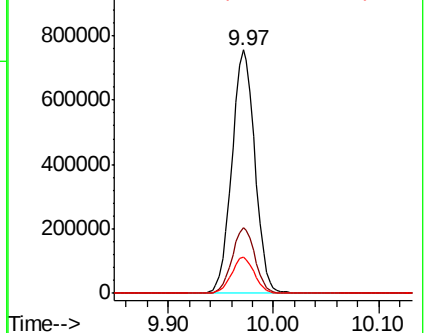
77 14.6 12.0 18.0



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: 4.926 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

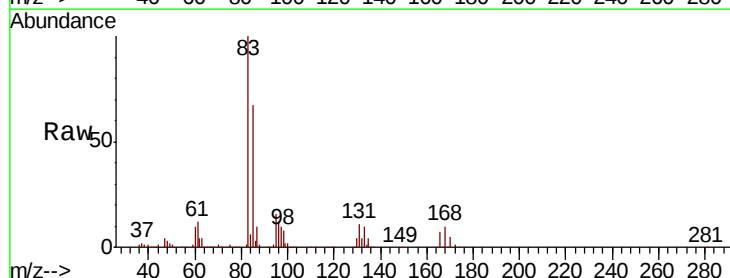
Tgt Ion: 83 Resp: 192971

Ion Ratio Lower Upper

83 100

85 67.0 43.3 80.3

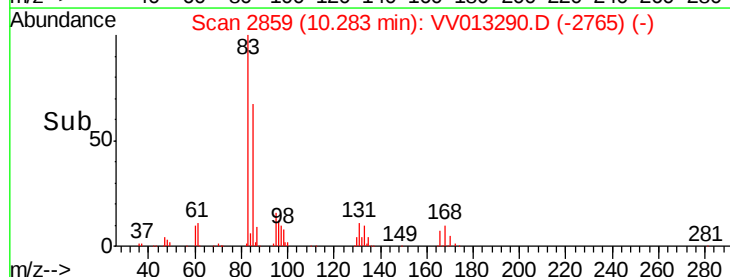
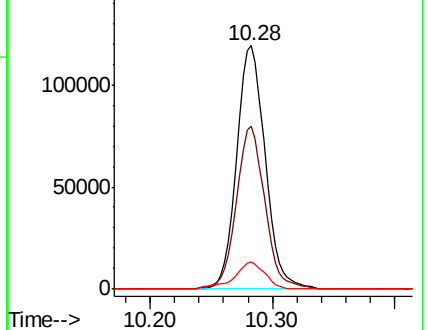
131 11.1 8.3 12.5

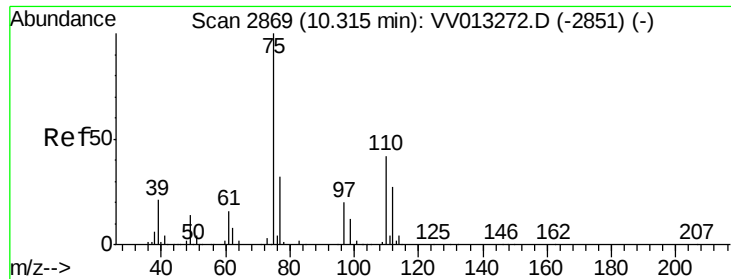


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

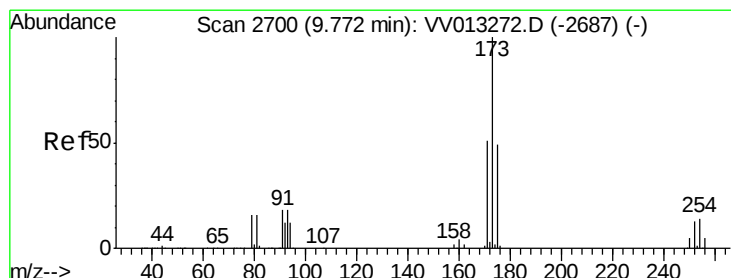
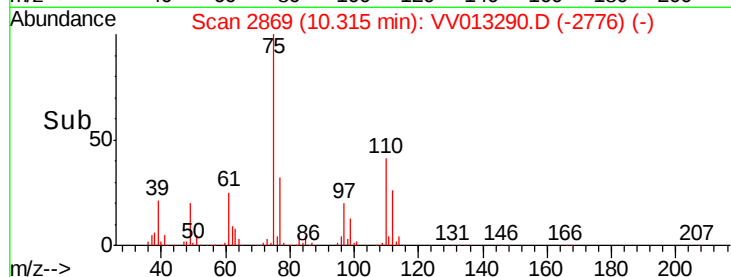
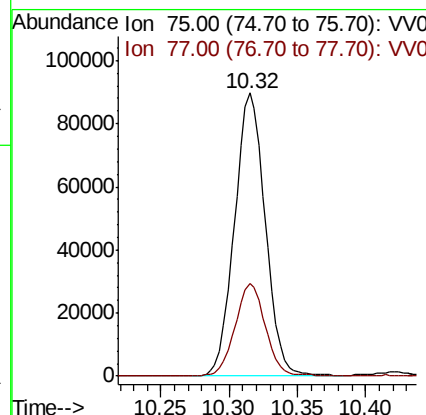
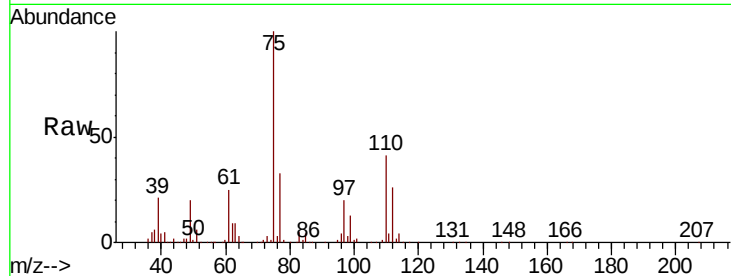




#59
 1,2,3-Trichloropropane
 Concen: 4.832 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

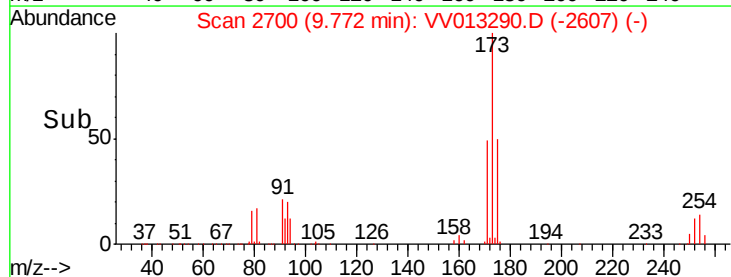
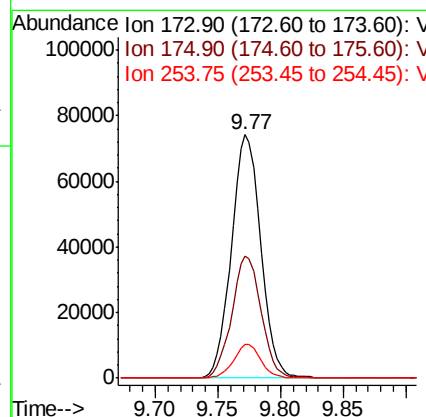
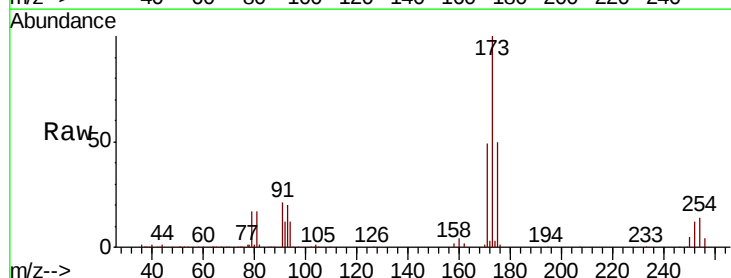
Instrument :
 MSVOA_V
 ClientSampleId :

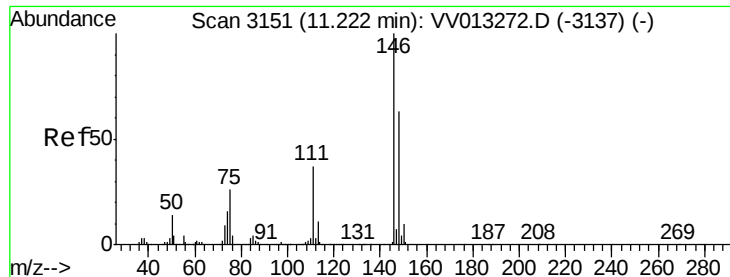
Tot Ion: 75 Resp: 140685
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.7 37.1



#61
 Bromoform
 Concen: 4.671 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion: 173 Resp: 120752
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.8 58.2
 254 13.0 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 4.935 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

ClientSampled :

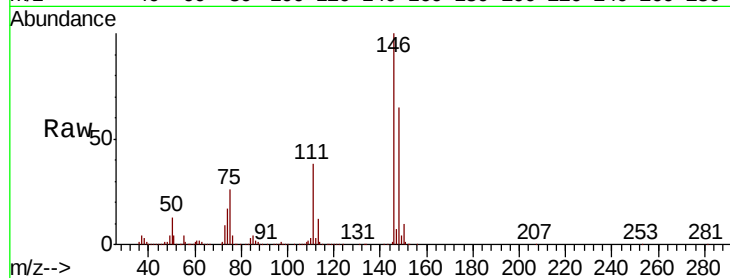
Tot Ion:146 Resp: 589353

Ion Ratio Lower Upper

146 100

111 37.5 25.8 47.8

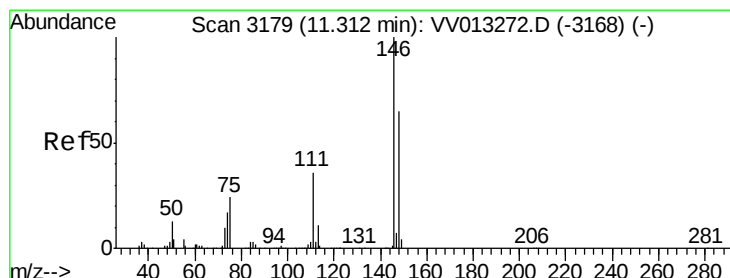
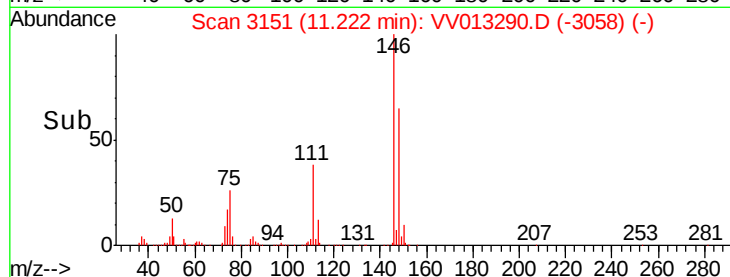
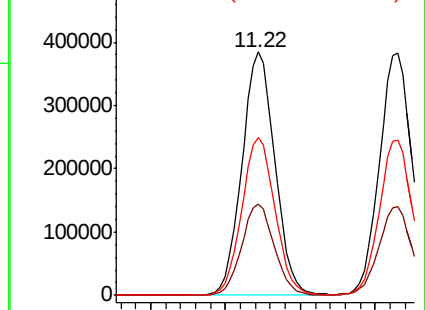
148 64.7 43.8 81.3



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



#63

1,4-Dichlorobenzene

Concen: 4.874 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

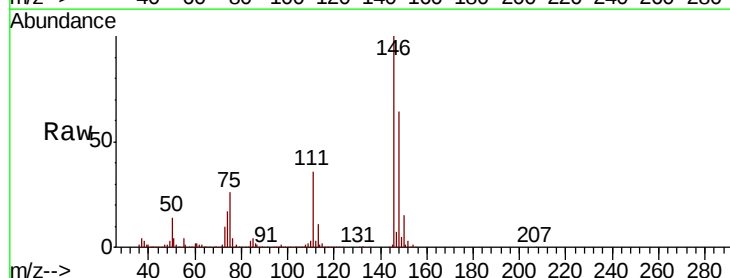
Tgt Ion:146 Resp: 589342

Ion Ratio Lower Upper

146 100

111 36.5 24.6 45.6

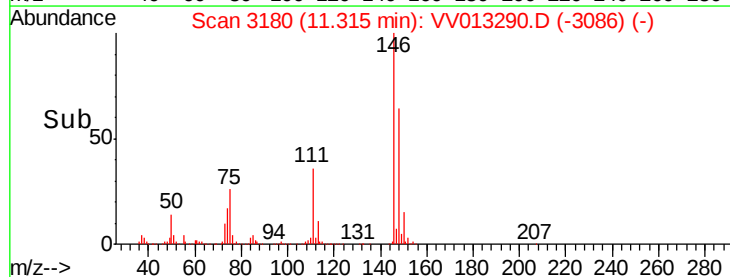
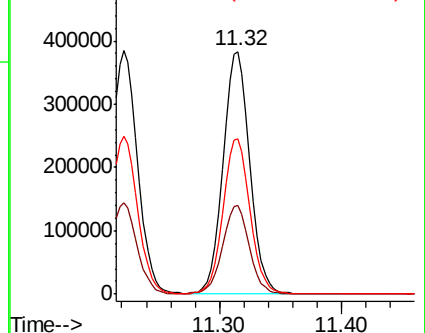
148 64.1 43.3 80.5

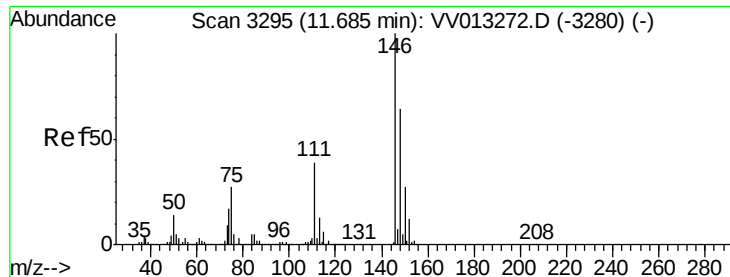


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.883 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

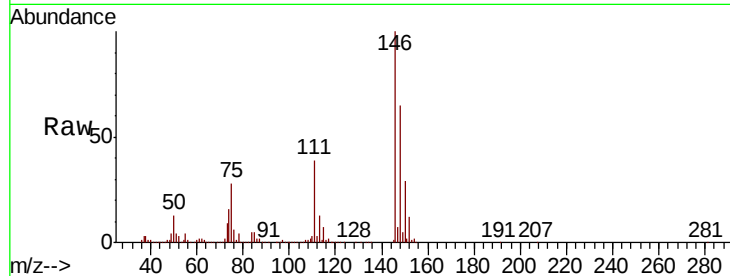
Tot Ion:146 Resp: 537047

Ion Ratio Lower Upper

146 100

111 38.7 31.8 47.6

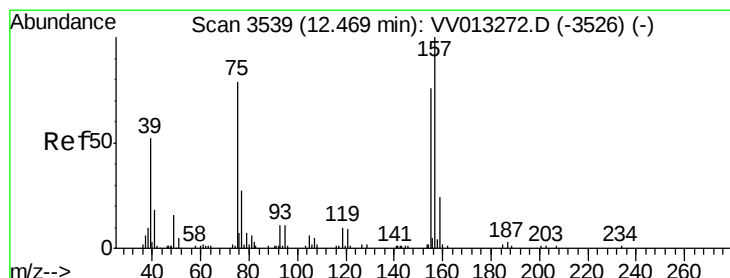
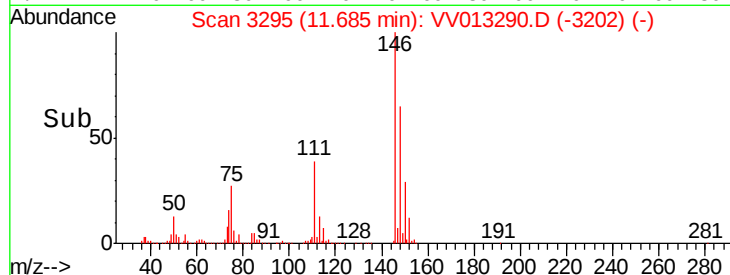
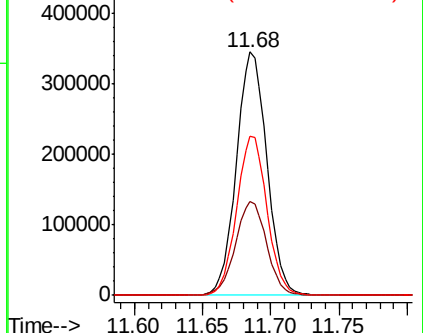
148 65.2 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.513 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

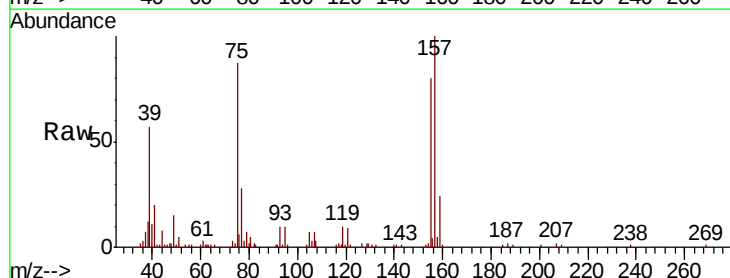
Tgt Ion: 75 Resp: 28186

Ion Ratio Lower Upper

75 100

155 91.5 69.3 103.9

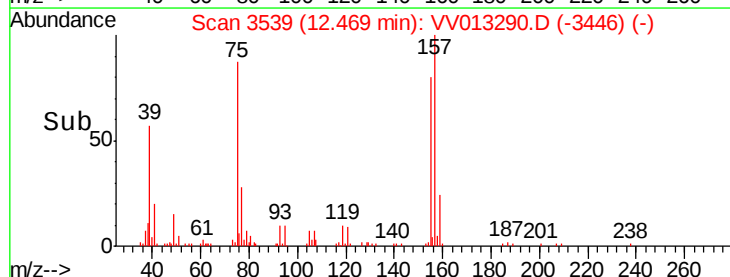
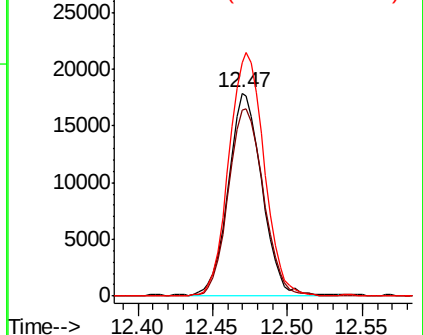
157 115.0 94.3 141.5

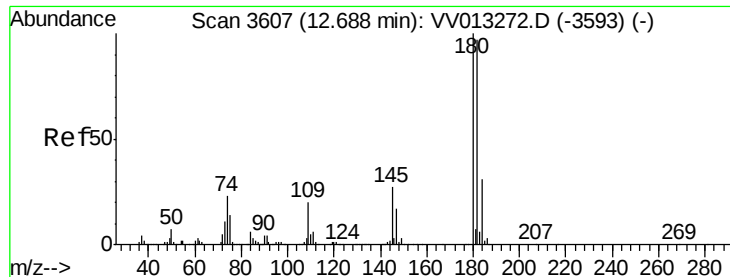


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

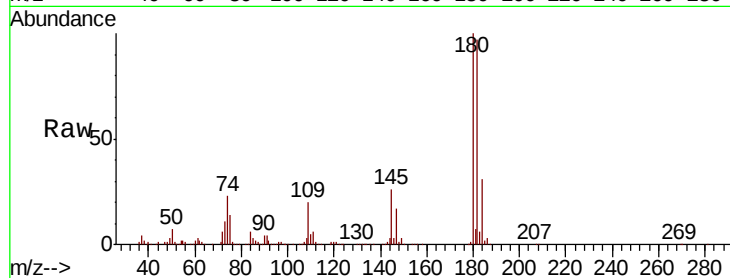




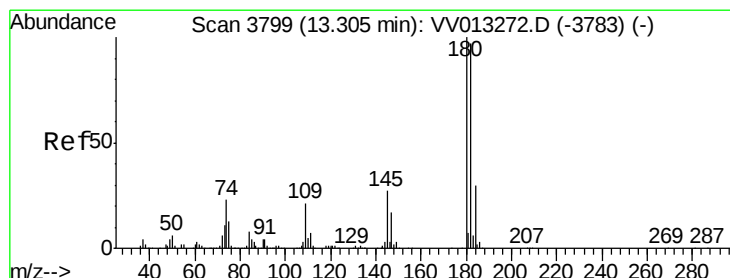
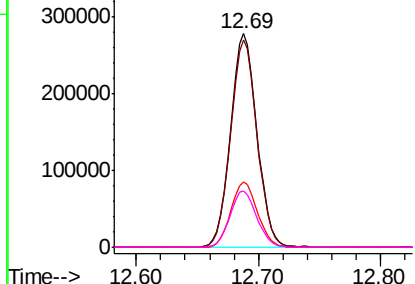
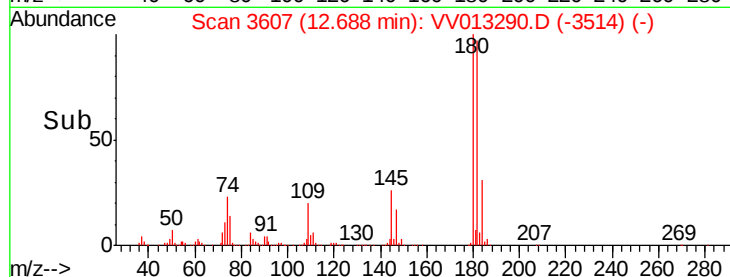
#67
 1,3,5-Trichlorobenzene
 Concen: 4.760 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	420253
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.2 114.2
184	30.8	24.0 36.0
145	26.9	21.8 32.8

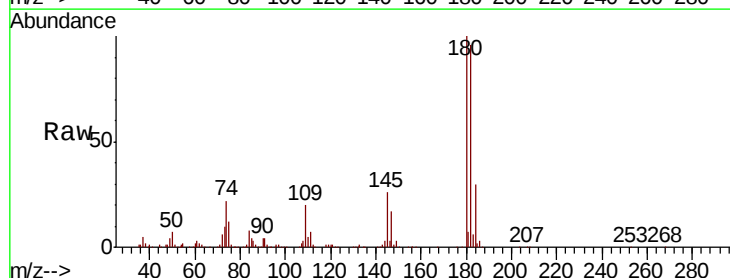


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

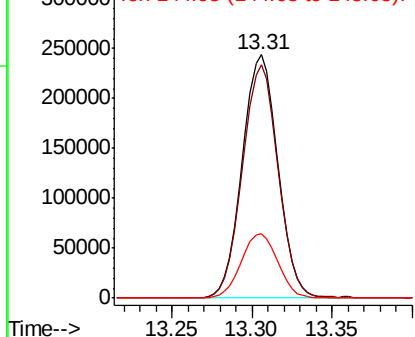
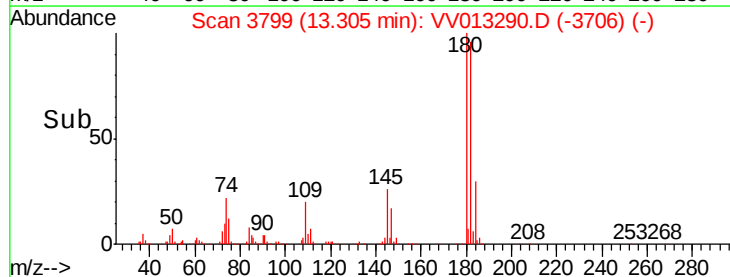


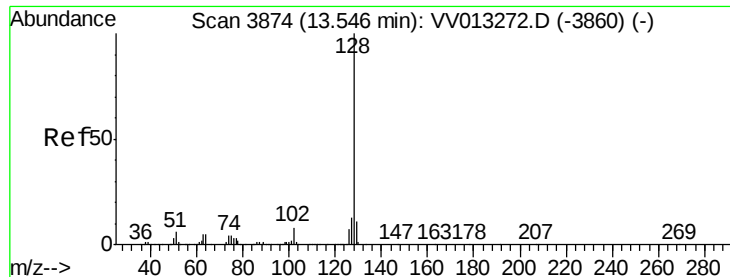
#68
 1,2,4-trichlorobenzene
 Concen: 4.780 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013290.D
 Acq: 22 Oct 2019 20:18

Tgt Ion:180	Resp:	369212
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.7 115.1
145	27.3	22.1 33.1



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: 4.624 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

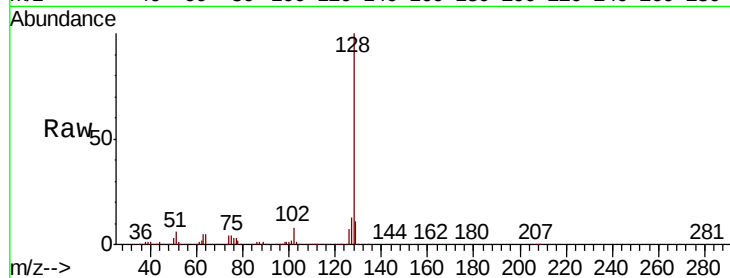
Tot Ion:128 Resp: 492722

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

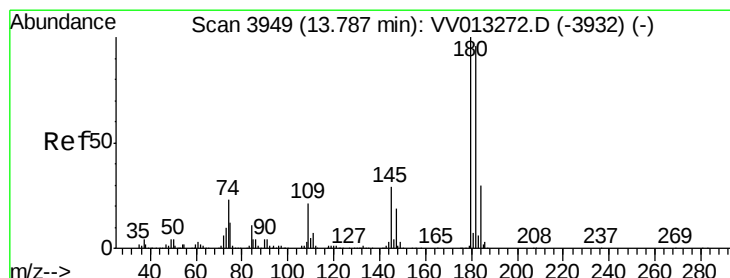
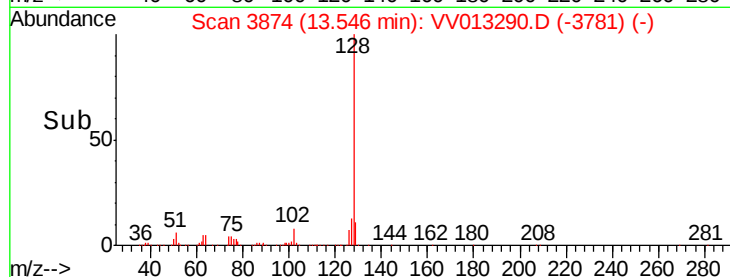
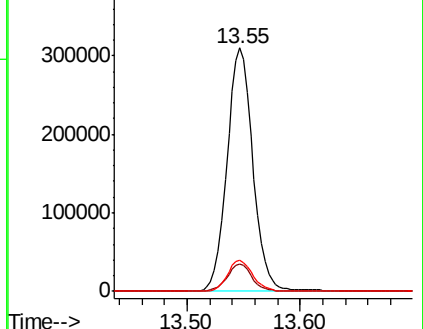
127 12.5 10.4 15.6



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: 4.877 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013290.D

Acq: 22 Oct 2019 20:18

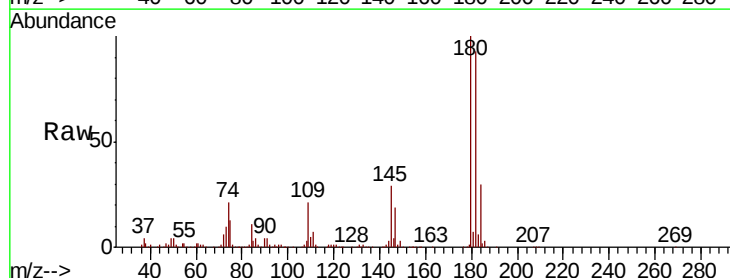
Tgt Ion:180 Resp: 349839

Ion Ratio Lower Upper

180 100

182 94.1 76.5 114.7

145 28.7 23.5 35.3



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

