

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101519\
 Data File : VV013172.D
 Acq On : 15 Oct 2019 17:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 15 18:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 18:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	709440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	680743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	336492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	243787	54.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.72%
7) Chloroethane-d5	1.58	69	201179	54.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.46%
11) 1,1-Dichloroethene-d2	2.13	63	392101	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
21) 2-Butanone-d5	3.97	46	355018	105.29	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.29%
24) Chloroform-d	4.40	84	479977	55.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.08	65	290496	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
32) Benzene-d6	5.10	84	1000153	55.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.14%
36) 1,2-Dichloropropane-d6	6.12	67	307928	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.36	98	910624	56.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.06%
43) trans-1,3-Dichloropropene-	7.66	79	131731	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.20%
47) 2-Hexanone-d5	8.13	63	234389	103.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	385251	52.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.92%
64) 1,2-Dichlorobenzene-d4	11.67	152	345184	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	266471	48.422	ug/L	100
3) Chloromethane	1.25	50	293052	46.798	ug/L	100
5) Vinyl chloride	1.32	62	283689	47.157	ug/L	99
6) Bromomethane	1.53	94	182761	59.374	ug/L	96
8) Chloroethane	1.60	64	171845	48.024	ug/L	99
9) Trichlorofluoromethane	1.77	101	368761	47.772	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	201153	44.240	ug/L	95
12) 1,1-Dichloroethene	2.14	96	193496	43.980	ug/L	95
14) Carbon disulfide	2.31	76	589271	46.183	ug/L	99
15) Methyl Acetate	2.47	43	272650	49.695	ug/L	100
16) Methylene chloride	2.53	84	259032	49.485	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	231627	48.528	ug/L	97
18) Methyl tert-butyl Ether	2.81	73	717031	49.771	ug/L	99
19) 1,1-Dichloroethane	3.23	63	446505	49.593	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	256940	47.564	ug/L	98
22) 2-Butanone	4.05	43	272432	69.133	ug/L	99
23) Bromochloromethane	4.30	128	136663	49.811	ug/L	97

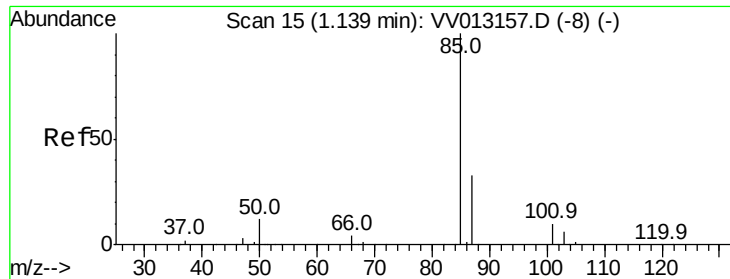
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101519\
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 18:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	459025	50.600	ug/L	98
27) 1,2-Dichloroethane	5.18	62	346164	49.780	ug/L	99
29) Cyclohexane	4.72	56	397240	48.724	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	372952	49.375	ug/L	99
31) Carbon tetrachloride	4.87	117	324963	48.416	ug/L	99
33) Benzene	5.14	78	1029984	49.676	ug/L	100
34) Trichloroethene	5.96	95	277806	50.321	ug/L	98
35) Methylcyclohexane	6.17	83	402236	48.167	ug/L	99
37) 1,2-Dichloropropane	6.22	63	262720	48.933	ug/L	99
38) Bromodichloromethane	6.55	83	333287	48.786	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	387212	48.764	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	743917	105.847	ug/L	98
42) Toluene	7.43	91	1091613	51.141	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	334234	48.557	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	252878	49.609	ug/L	99
46) Tetrachloroethene	8.02	164	217920	49.860	ug/L	97
48) 2-Hexanone	8.19	43	594556	109.397	ug/L	99
49) Dibromochloromethane	8.29	129	272382	49.030	ug/L	98
50) 1,2-Dibromoethane	8.39	107	258931	48.602	ug/L	98
51) Chlorobenzene	8.92	112	684235	48.882	ug/L	99
52) Ethylbenzene	9.05	91	1148087	50.355	ug/L	99
53) m,p-Xylene	9.18	106	443459	51.699	ug/L	100
54) o-xylene	9.59	106	426896	49.674	ug/L	99
55) Styrene	9.60	104	737929	52.286	ug/L	99
56) Isopropylbenzene	9.97	105	1119408	50.727	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	355532	47.978	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	324674	49.673	ug/L	99
61) Bromoform	9.77	173	199667	47.155	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	520717	47.853	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	523353	47.894	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	537651	48.536	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	74157	46.027	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	353412	45.541	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	299997	45.071	ug/L	99
69) Naphthalene	13.55	128	863796	47.106	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	334808	47.023	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.422 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

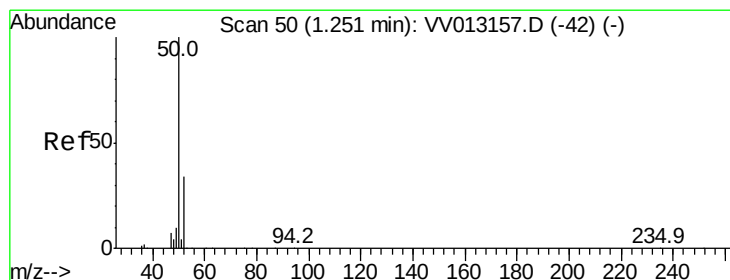
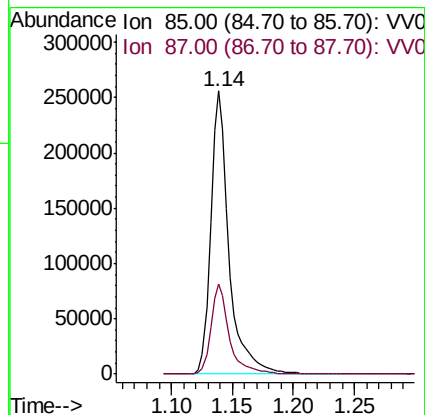
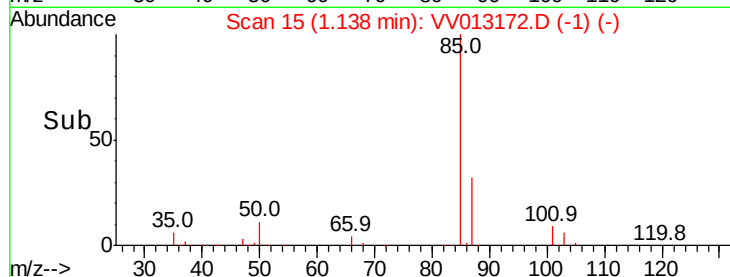
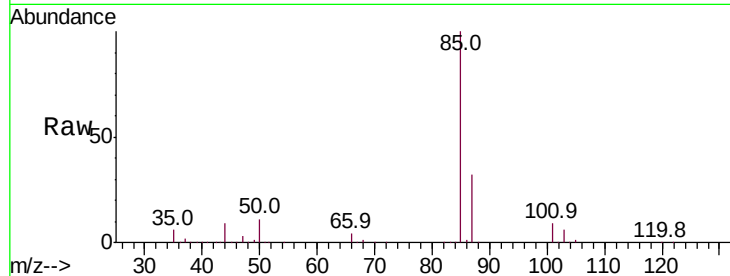
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 266471

Ion Ratio Lower Upper

85 100

87 31.9 25.6 38.4



#3

Chloromethane

Concen: 46.798 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.01 min

Lab File: VV013172.D

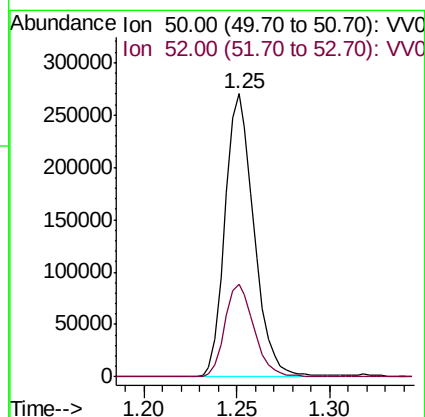
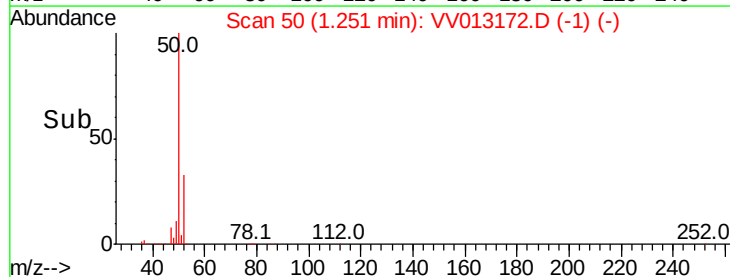
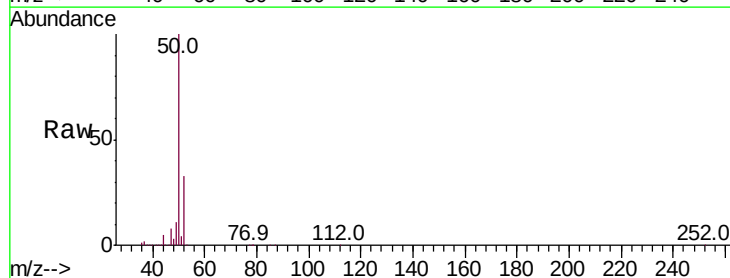
Acq: 15 Oct 2019 17:31

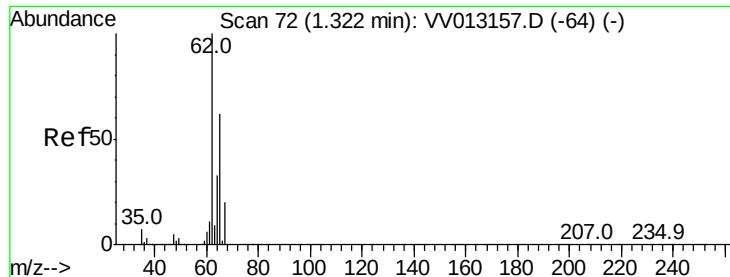
Tgt Ion: 50 Resp: 293052

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 47.157 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

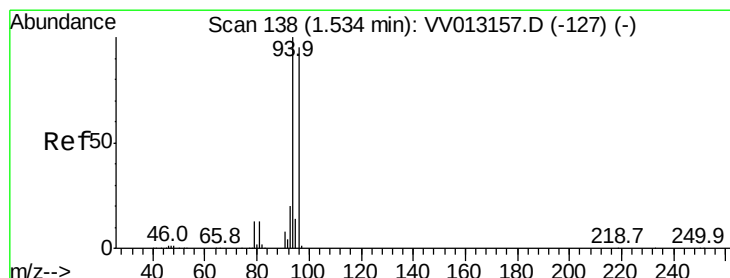
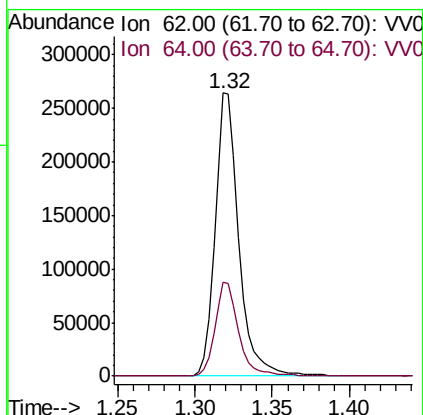
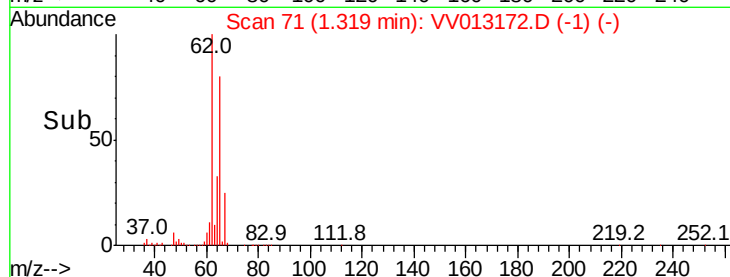
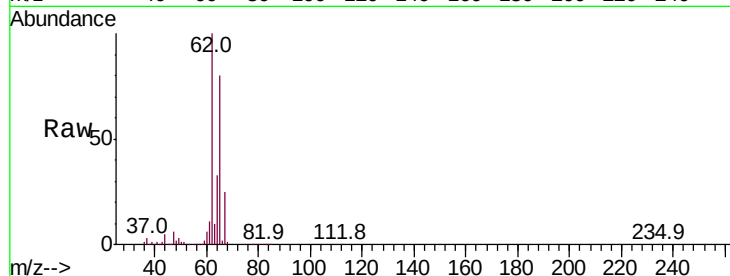
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 283689

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



#6

Bromomethane

Concen: 59.374 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013172.D

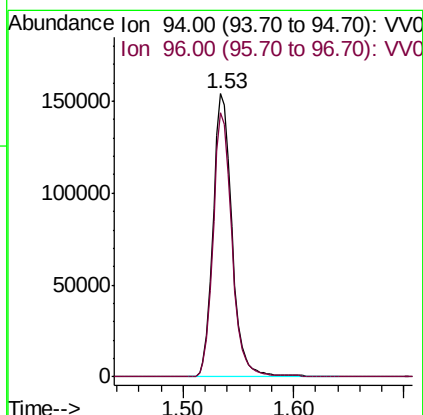
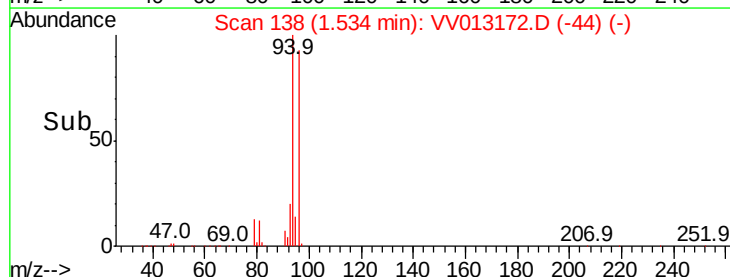
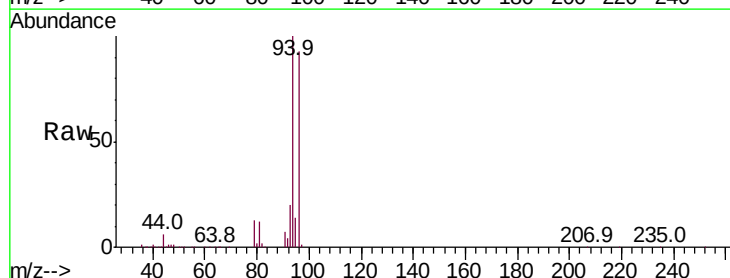
Acq: 15 Oct 2019 17:31

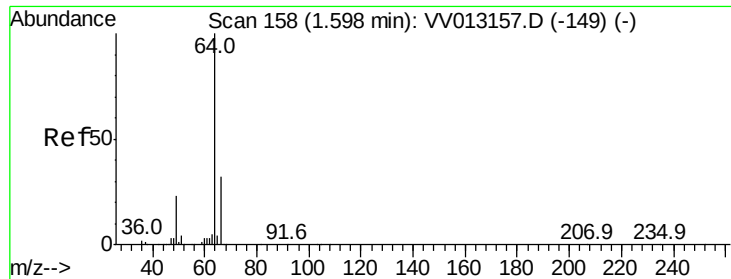
Tgt Ion: 94 Resp: 182761

Ion Ratio Lower Upper

94 100

96 93.4 68.0 126.2





#8

Chloroethane

Concen: 48.024 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

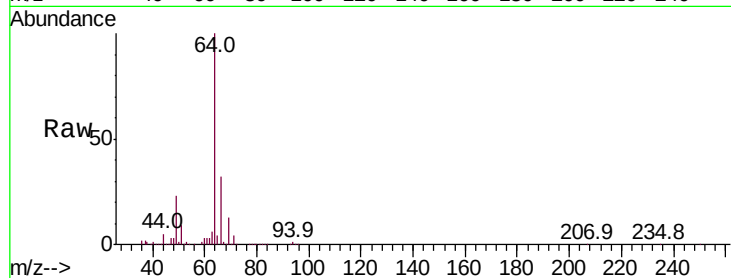
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 171845

Ion Ratio Lower Upper

64 100

66 32.3 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV013172.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV013172.D (-149) (-)

1.60

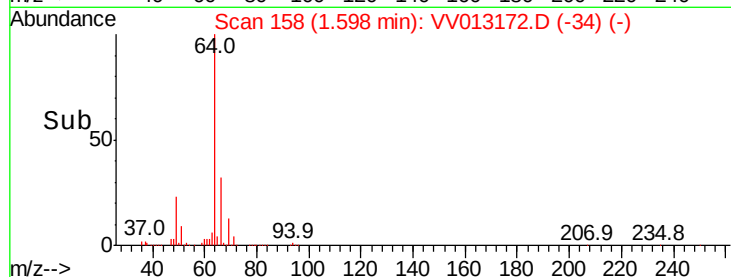
150000

100000

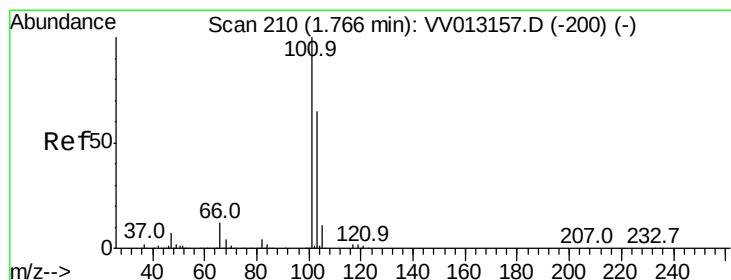
50000

0

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 47.772 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.01 min

Lab File: VV013172.D

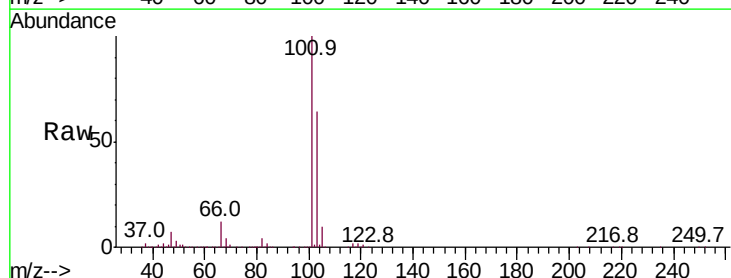
Acq: 15 Oct 2019 17:31

Tgt Ion: 101 Resp: 368761

Ion Ratio Lower Upper

101 100

103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV013172.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013172.D (-200) (-)

1.77

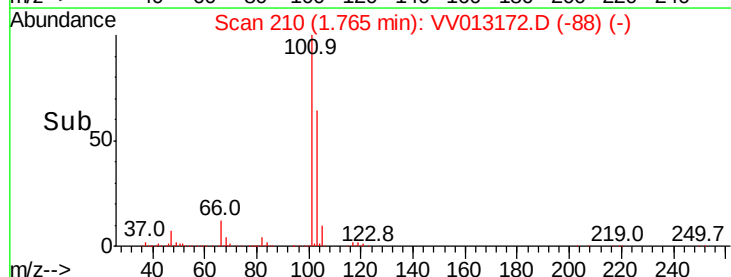
300000

200000

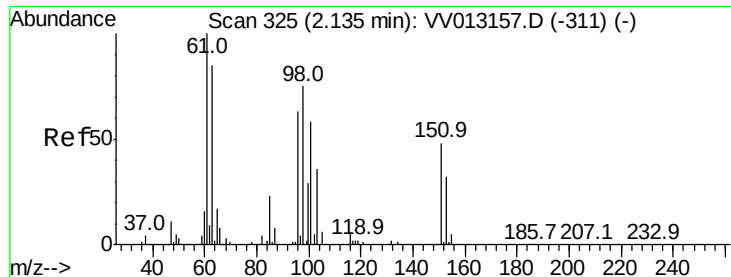
100000

0

Time-->



Time-->



#10

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

Concen: 44.240 ug/L

RT: 2.14 min Scan# 325

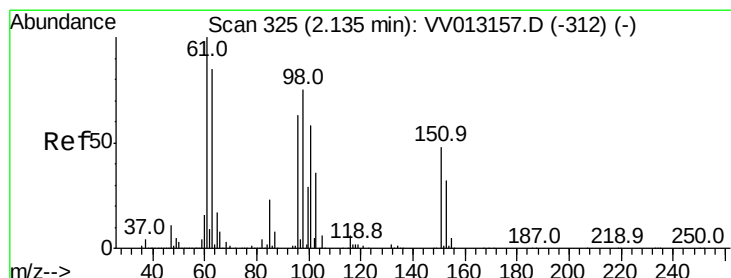
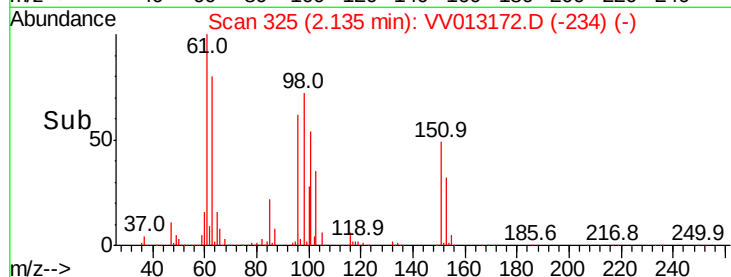
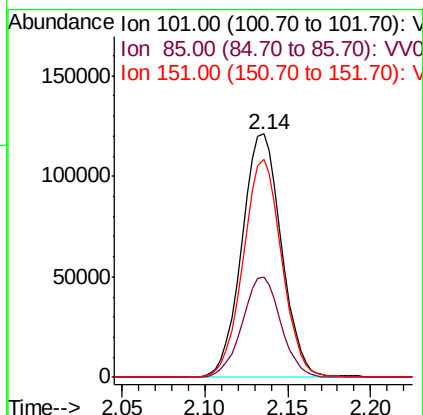
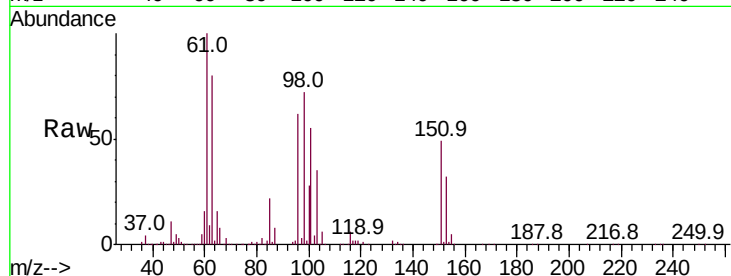
Delta R.T. -0.01 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	101	Resp:	201153
Ion	Ratio	Lower	Upper
101	100		
85	40.3	32.9	49.3
151	87.1	64.9	97.3



#12

1,1-Dichloroethene

Concen: 43.980 ug/L

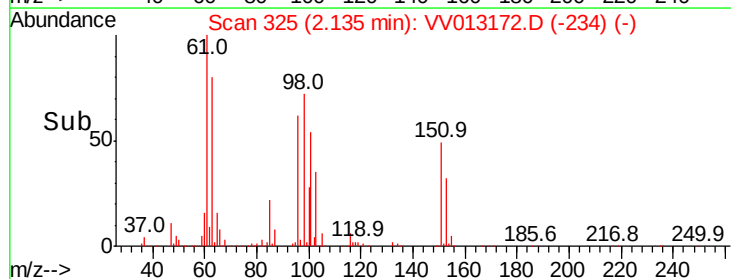
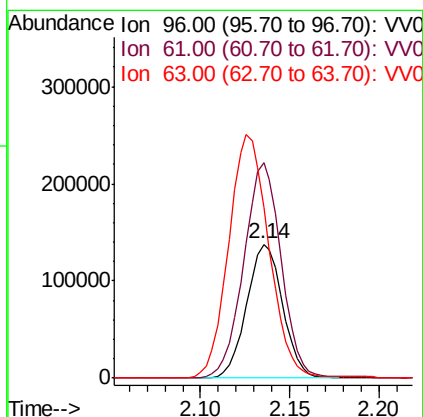
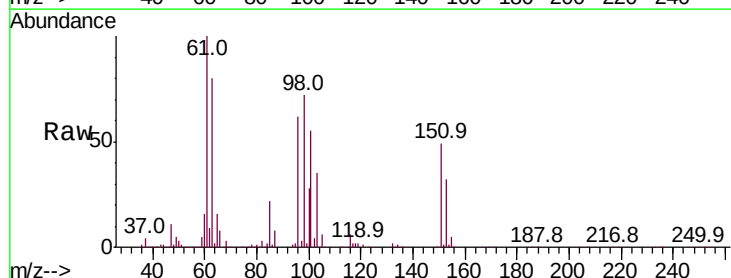
RT: 2.14 min Scan# 325

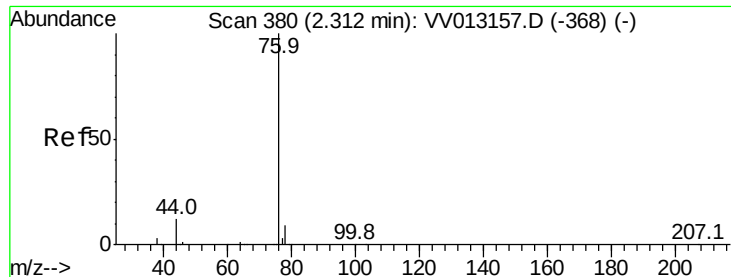
Delta R.T. -0.01 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Tgt Ion:	96	Resp:	193496
Ion	Ratio	Lower	Upper
96	100		
61	161.0	115.7	214.9
63	128.1	84.3	156.5





#14

Carbon disulfide

Concen: 46.183 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :

MSVOA_V

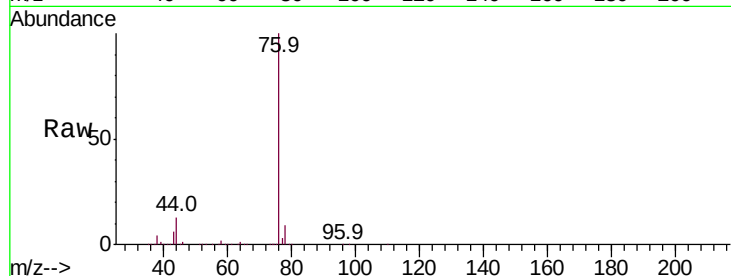
ClientSampleId :

Tot Ion: 76 Resp: 589271

Ion Ratio Lower Upper

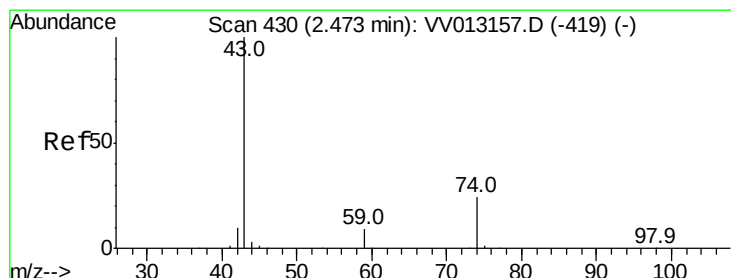
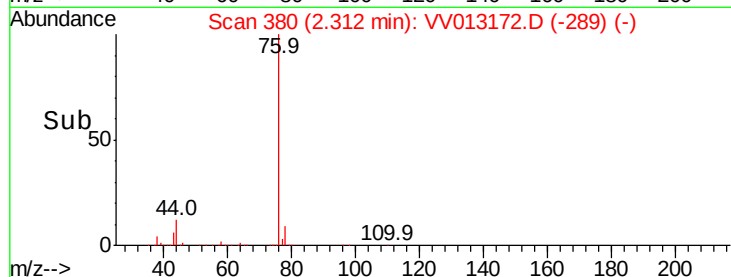
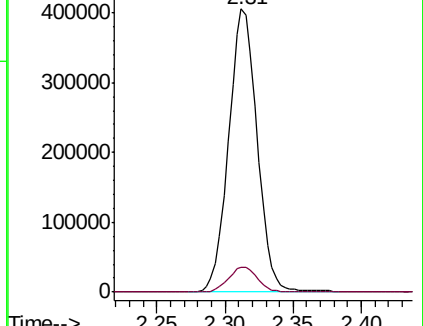
76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 49.695 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.02 min

Lab File: VV013172.D

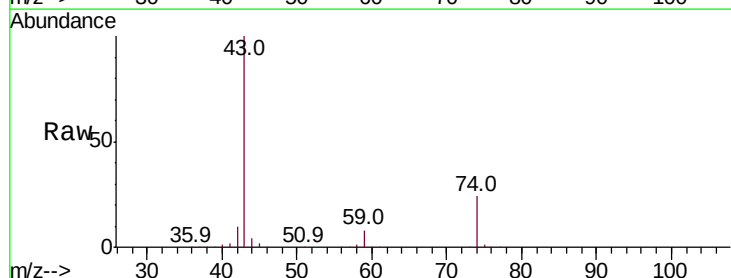
Acq: 15 Oct 2019 17:31

Tgt Ion: 43 Resp: 272650

Ion Ratio Lower Upper

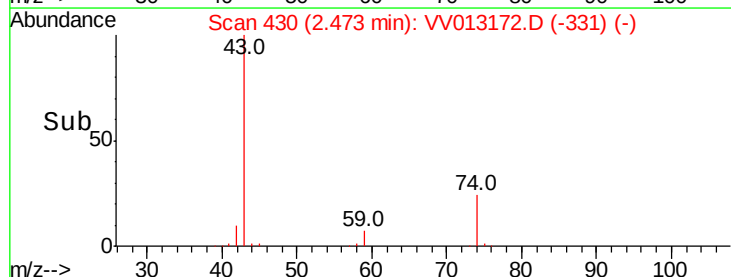
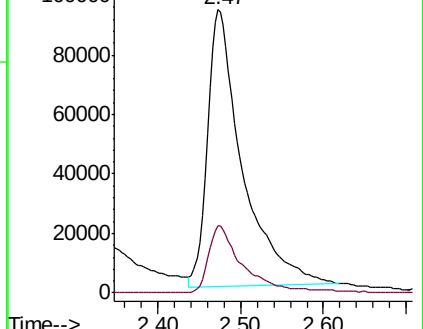
43 100

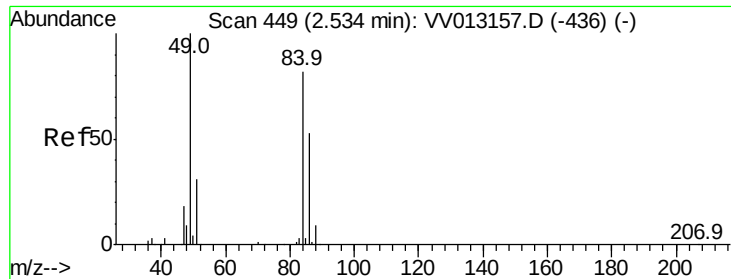
74 22.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

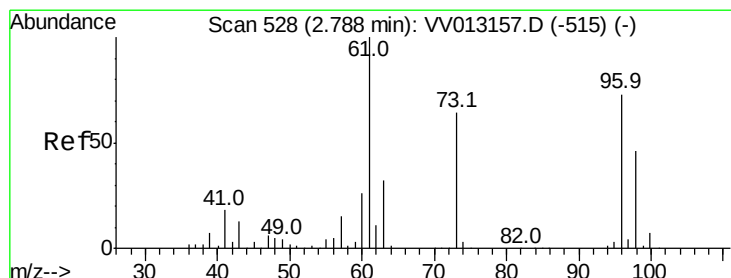
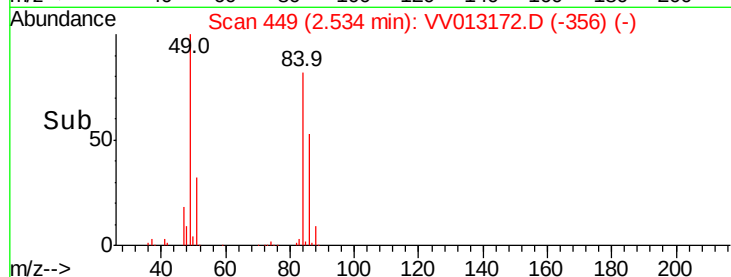
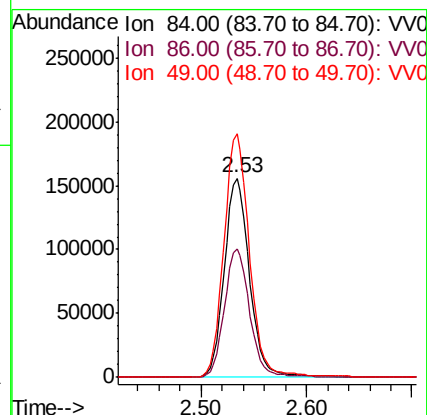
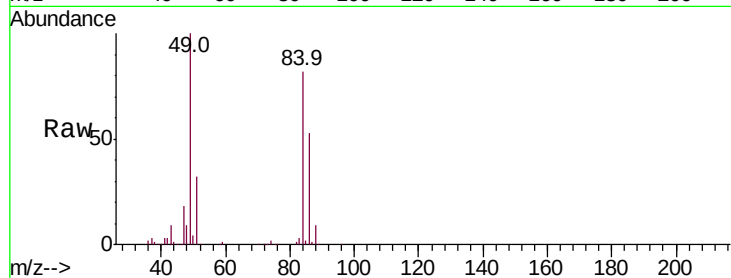




#16
Methylene chloride
Concen: 49.485 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

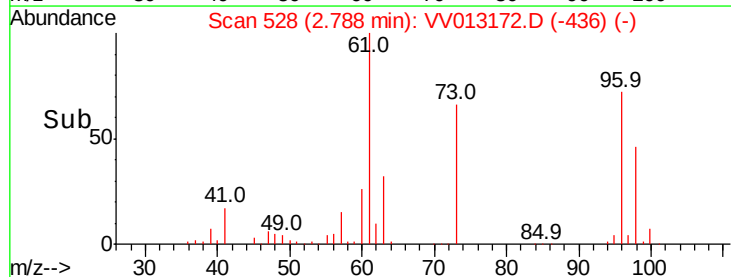
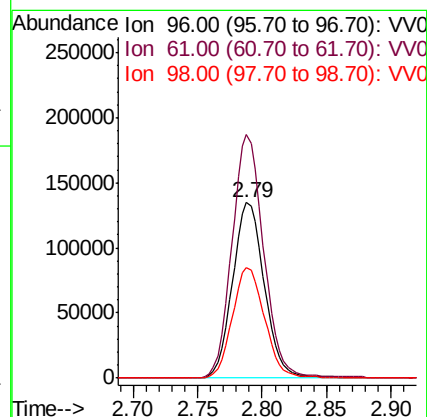
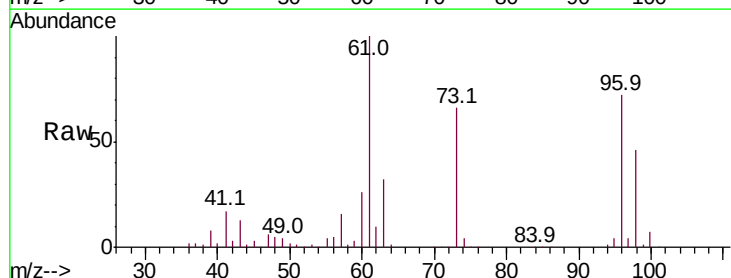
Instrument :
MSVOA_V
ClientSampled :

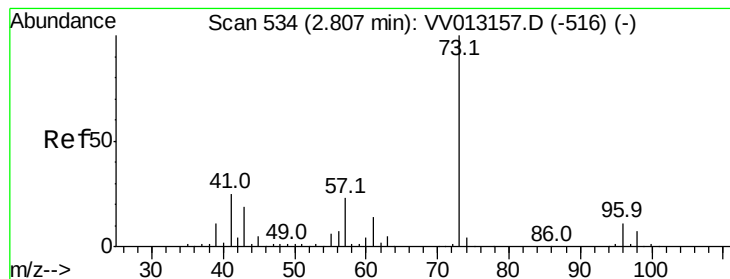
Tot Ion: 84 Resp: 259032
Ion Ratio Lower Upper
84 100
86 64.9 45.1 83.9
49 122.5 87.8 163.0



#17
trans-1,2-Dichloroethene
Concen: 48.528 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Tgt Ion: 96 Resp: 231627
Ion Ratio Lower Upper
96 100
61 138.5 93.9 174.5
98 63.2 43.9 81.5



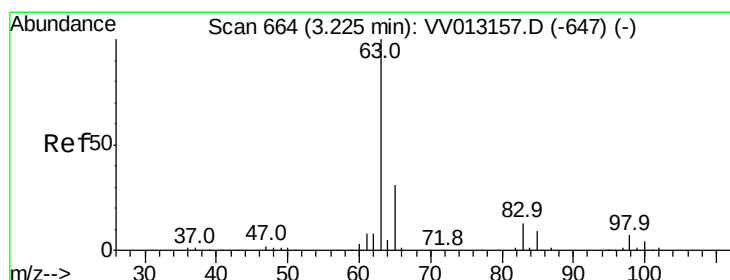
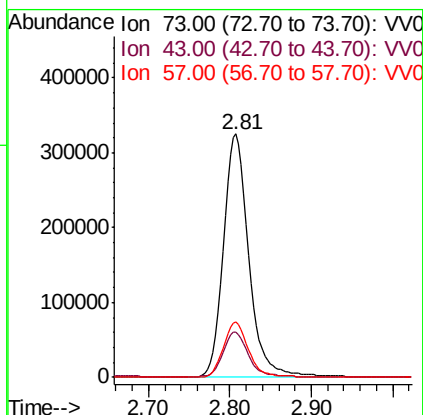
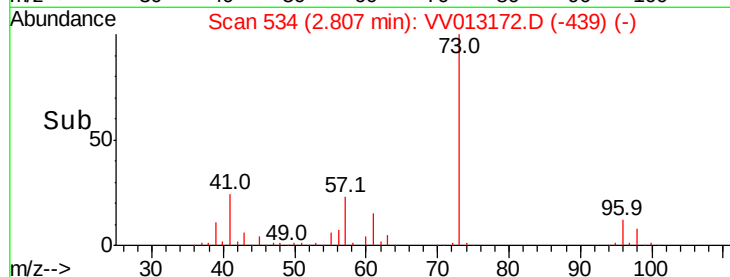
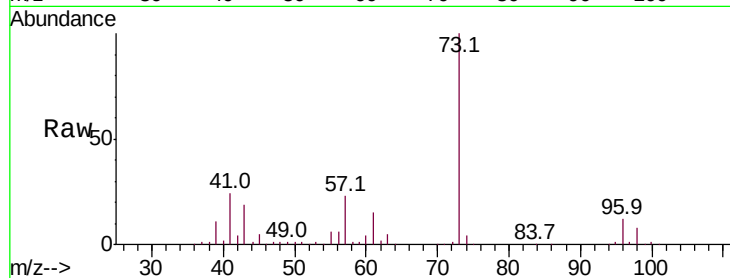


#18

Methyl tert-butyl Ether
 Concen: 49.771 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Instrument :
 MSVOA_V
 ClientSampleId :

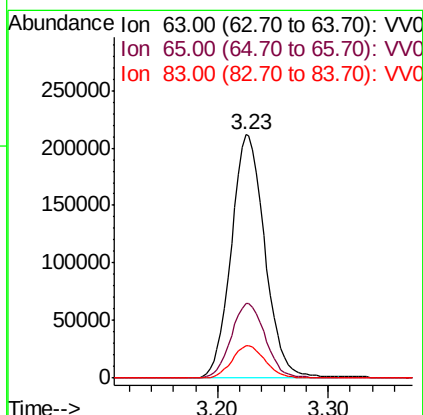
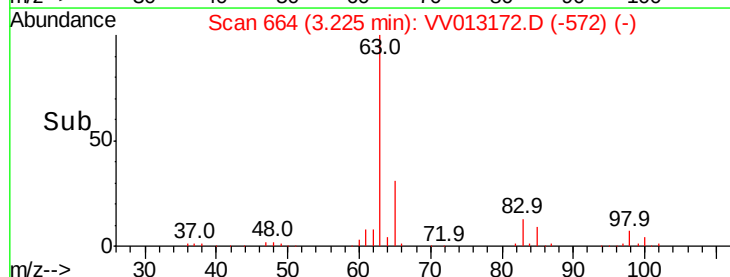
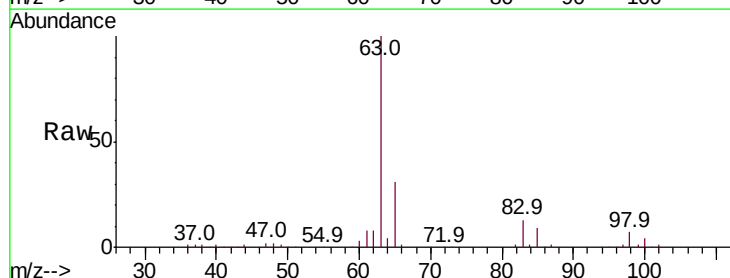
Tot Ion: 73 Resp: 717031
 Ion Ratio Lower Upper
 73 100
 43 18.1 15.0 22.6
 57 22.6 18.2 27.2

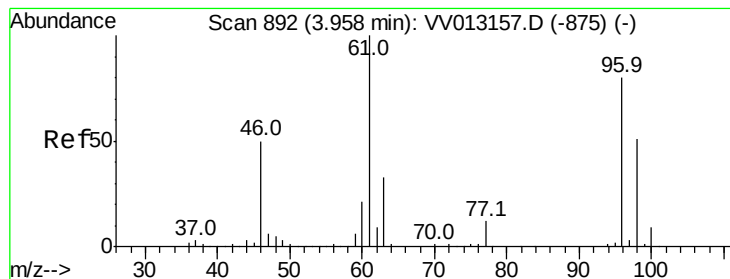


#19

1,1-Dichloroethane
 Concen: 49.593 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Tgt Ion: 63 Resp: 446505
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.1 41.1
 83 13.1 9.5 17.7





#20

cis-1,2-Dichloroethene

Concen: 47.564 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

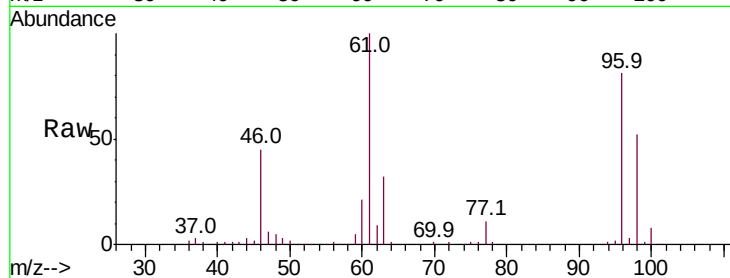
Tot Ion: 96 Resp: 256940

Ion Ratio Lower Upper

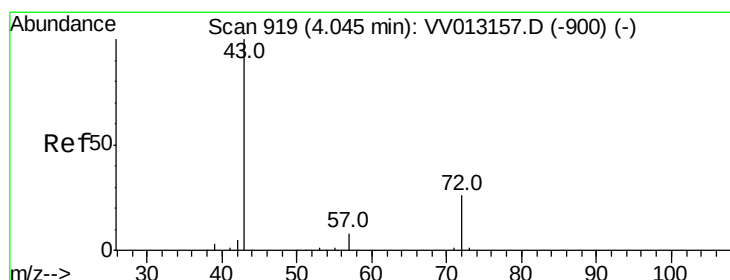
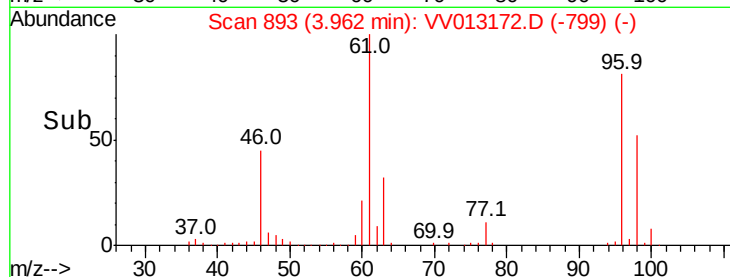
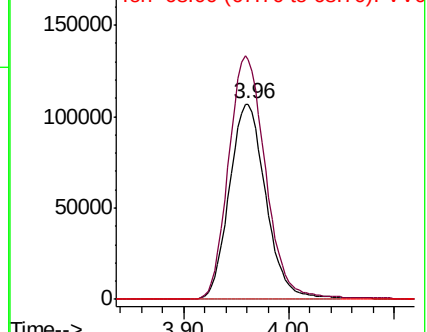
96 100

61 123.0 87.5 162.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



#22

2-Butanone

Concen: 69.133 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.05 min

Lab File: VV013172.D

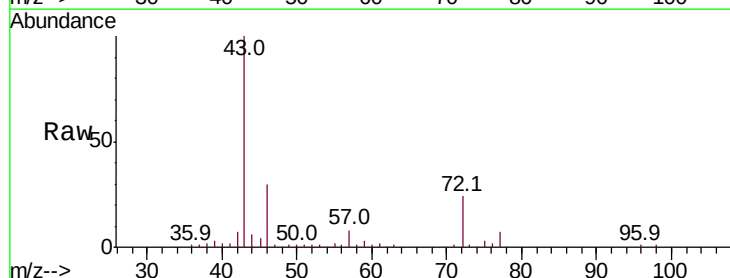
Acq: 15 Oct 2019 17:31

Tgt Ion: 43 Resp: 272432

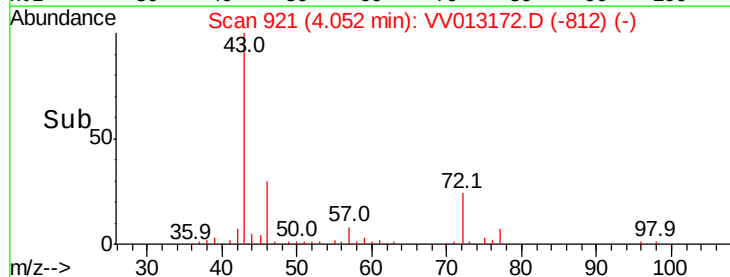
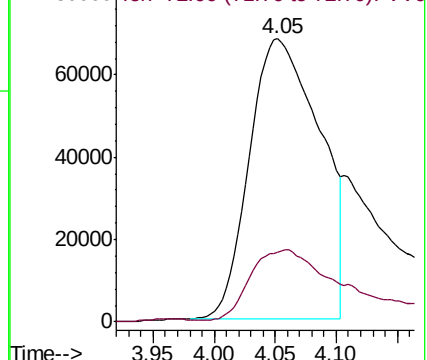
Ion Ratio Lower Upper

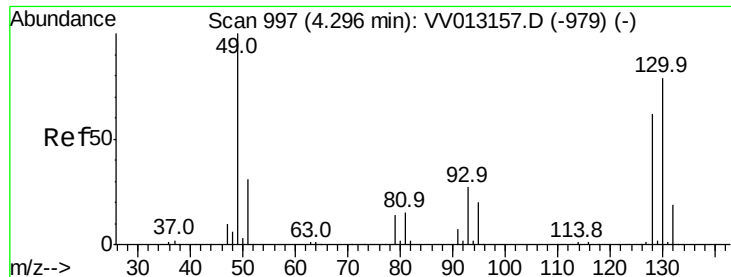
43 100

72 26.0 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0





#23

Bromochloromethane

Concen: 49.811 ug/L

RT: 4.30 min Scan# 998

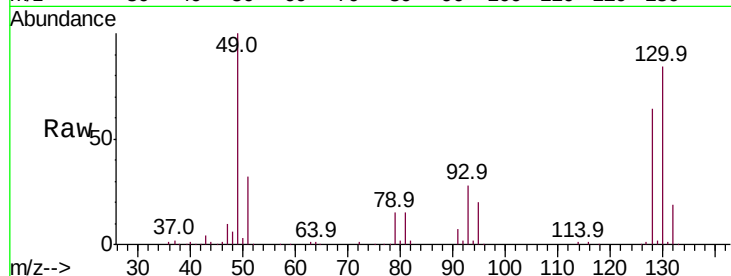
Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	128	Resp:	136663
Ion	Ratio	Lower	Upper
128	100		
49	157.3	114.0	211.6
130	131.8	90.8	168.6
51	49.8	41.0	61.4

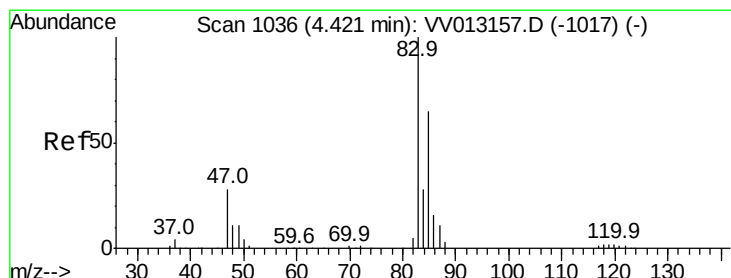
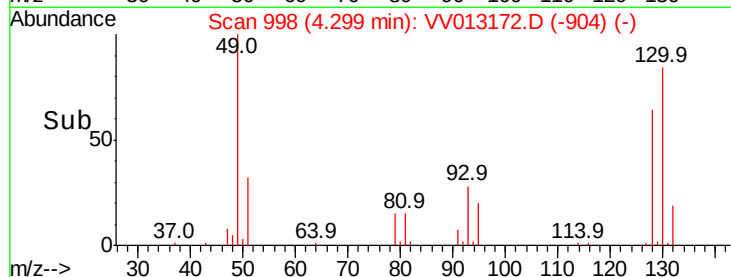
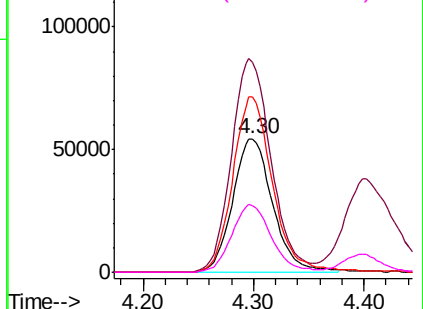


Abundance Ion 128.00 (127.70 to 128.70): VV013157.D (-979) (-)

Ion 49.00 (48.70 to 49.70): VV013157.D (-979) (-)

Ion 130.00 (129.70 to 130.70): VV013157.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VV013157.D (-979) (-)



#25

Chloroform

Concen: 50.600 ug/L

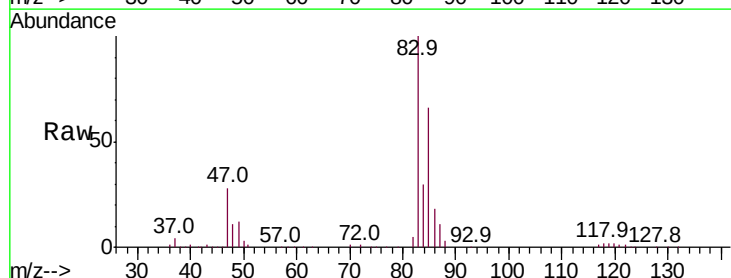
RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013172.D

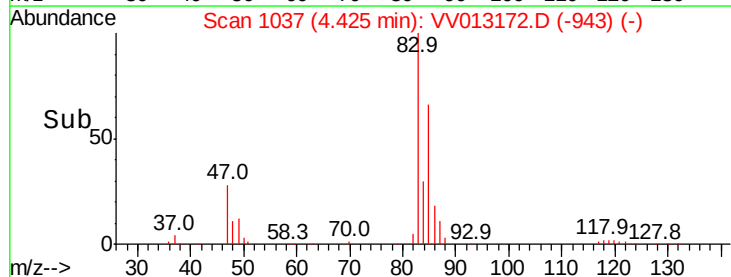
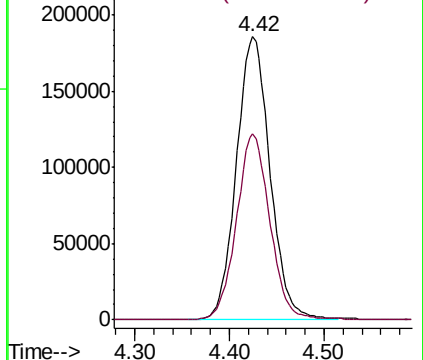
Acq: 15 Oct 2019 17:31

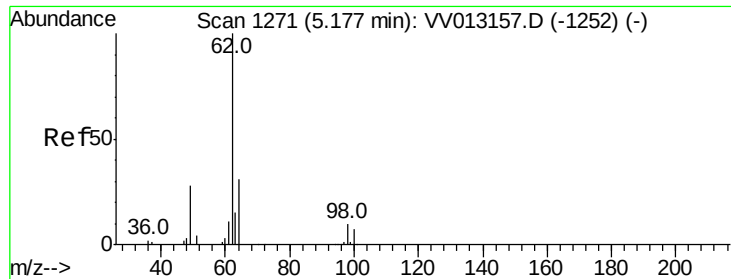
Tgt Ion:	83	Resp:	459025
Ion	Ratio	Lower	Upper
83	100		
85	65.5	44.7	82.9



Abundance Ion 83.00 (82.70 to 83.70): VV013157.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013157.D (-1017) (-)

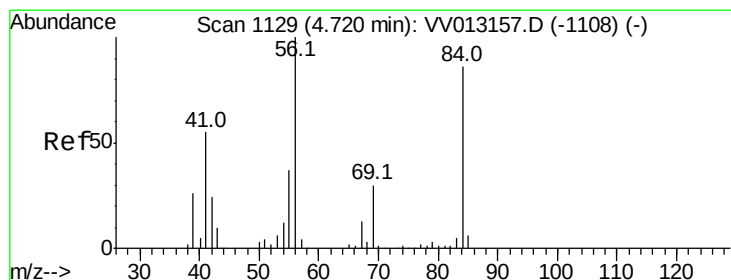
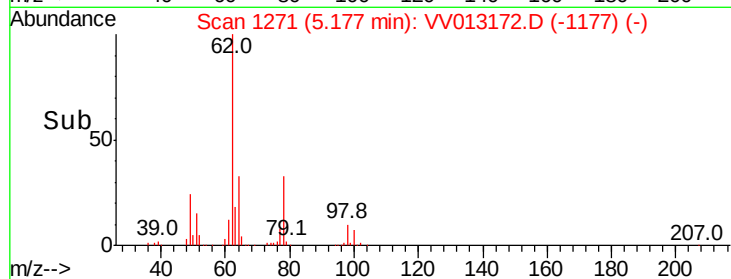
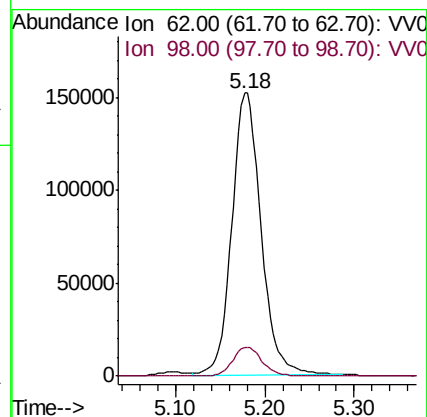
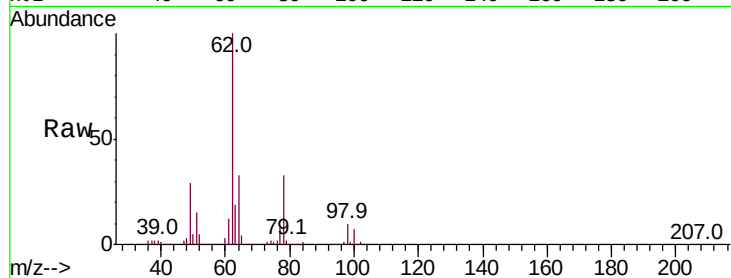




#27
 1,2-Dichloroethane
 Concen: 49.780 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

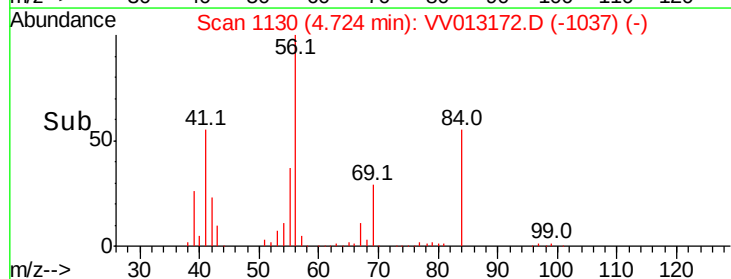
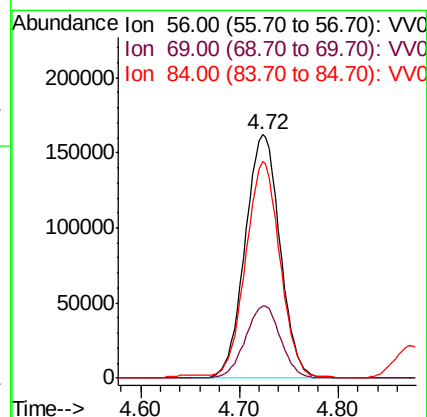
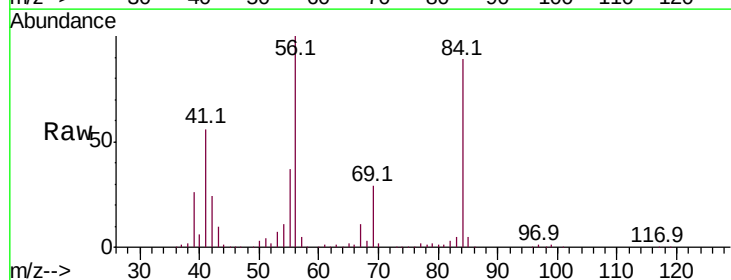
Instrument :
 MSVOA_V
 ClientSampleId :

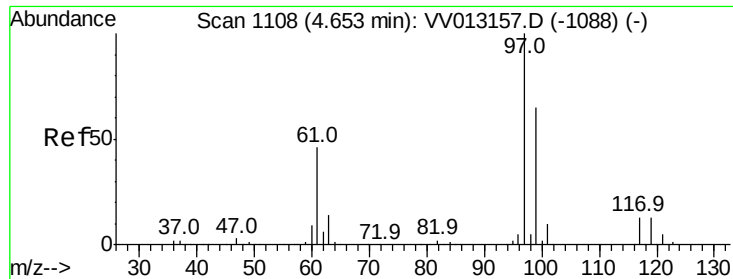
Tot Ion: 62 Resp: 346164
 Ion Ratio Lower Upper
 62 100
 98 10.1 8.3 12.5



#29
 Cyclohexane
 Concen: 48.724 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Tgt Ion: 56 Resp: 397240
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.2 36.4
 84 87.1 69.9 104.9

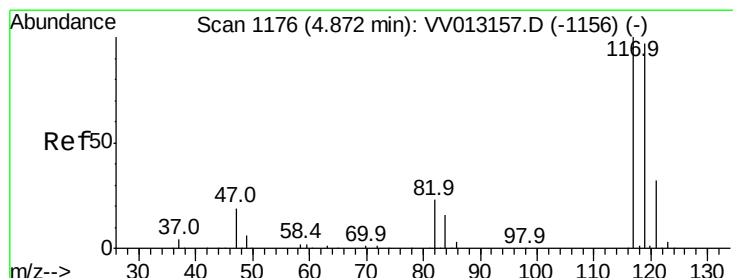
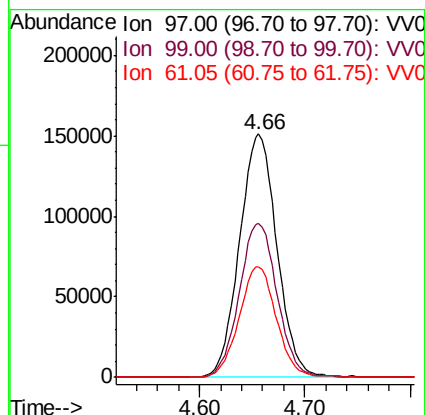
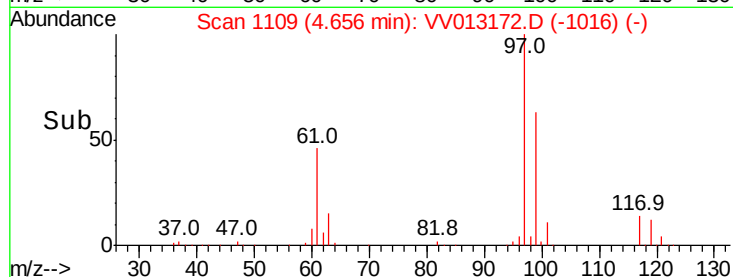
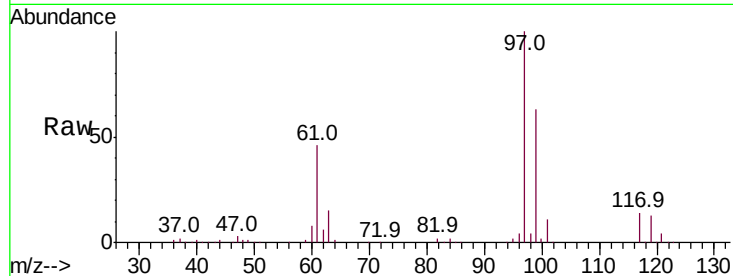




#30
 1,1,1-Trichloroethane
 Concen: 49.375 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

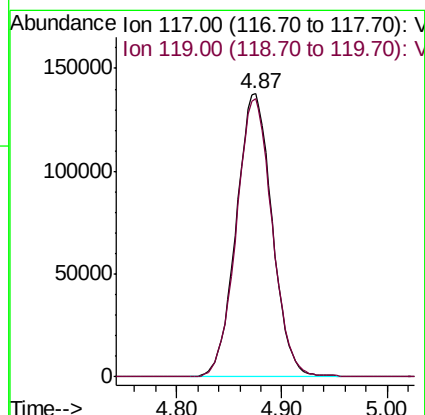
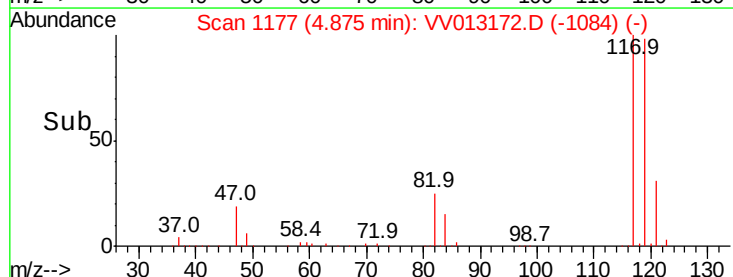
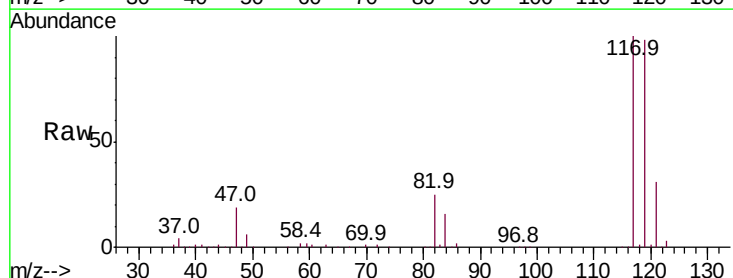
Instrument :
 MSVOA_V
 ClientSampled :

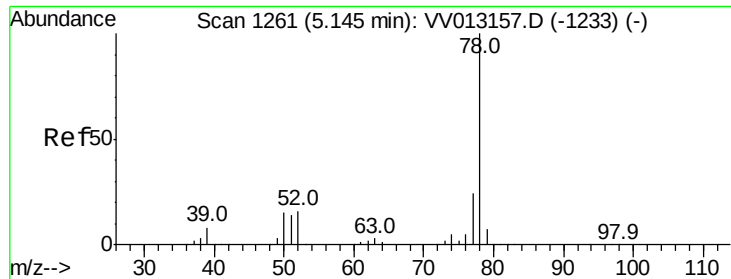
Tot Ion: 97 Resp: 372952
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.9 77.9
 61 45.1 36.8 55.2



#31
 Carbon tetrachloride
 Concen: 48.416 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Tgt Ion: 117 Resp: 324963
 Ion Ratio Lower Upper
 117 100
 119 97.9 77.4 116.0

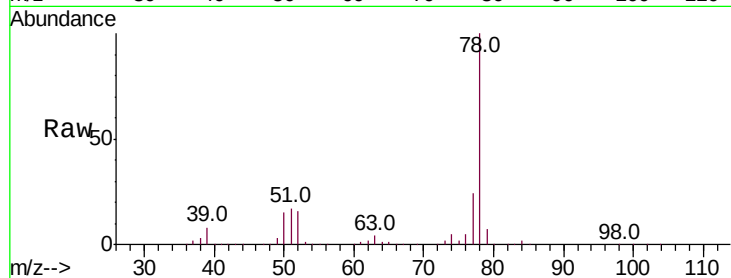




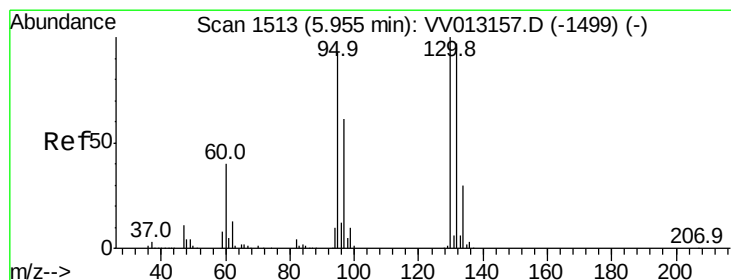
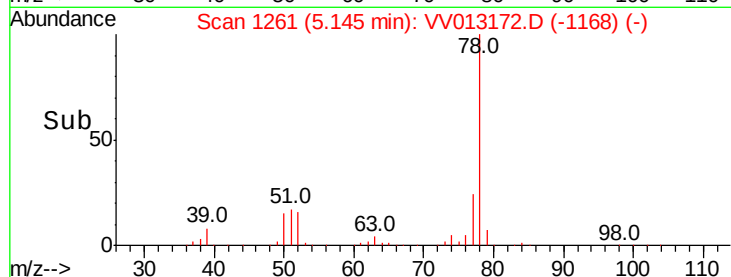
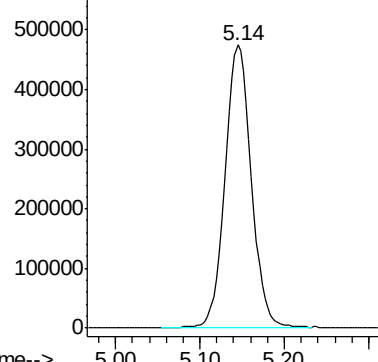
#33
Benzene
Concen: 49.676 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 1029984



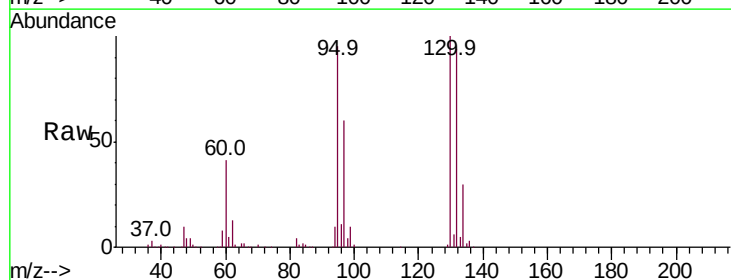
Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 50.321 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

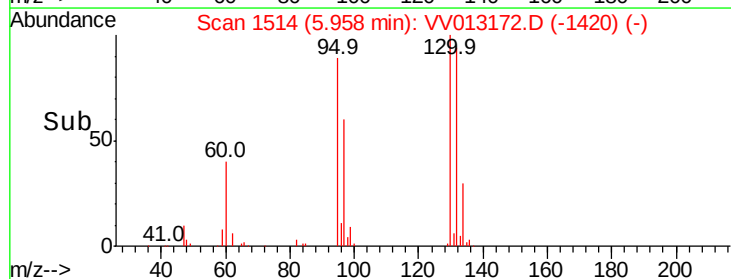
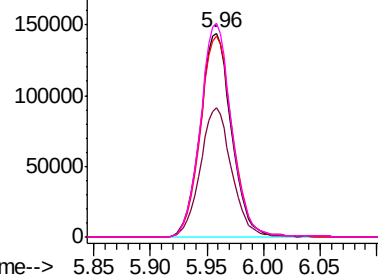
Tgt Ion: 95 Resp: 277806

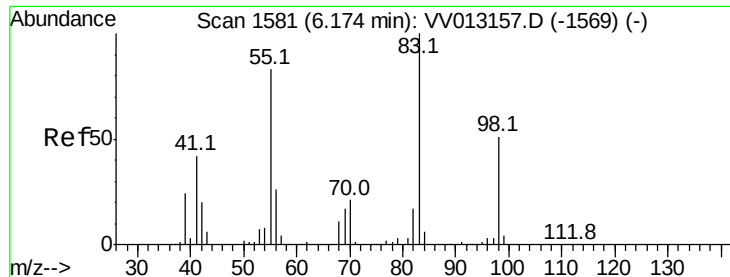
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.7	82.9
132	98.5	71.4	132.6
130	104.9	74.2	137.8



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0

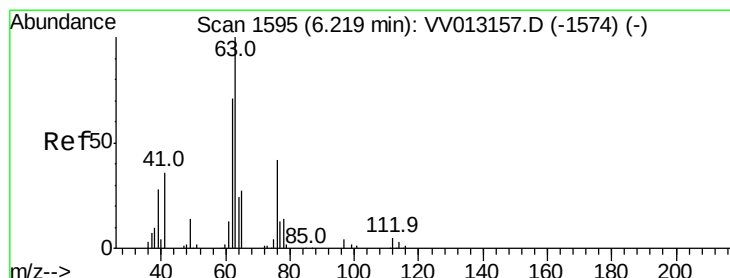
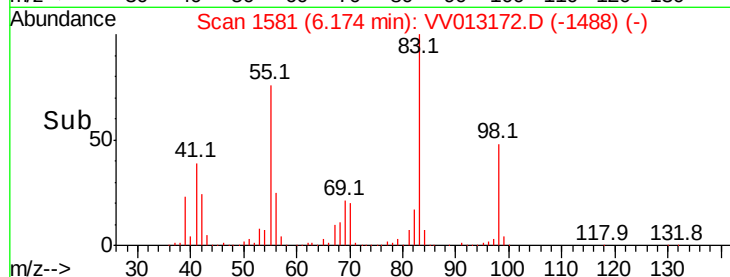
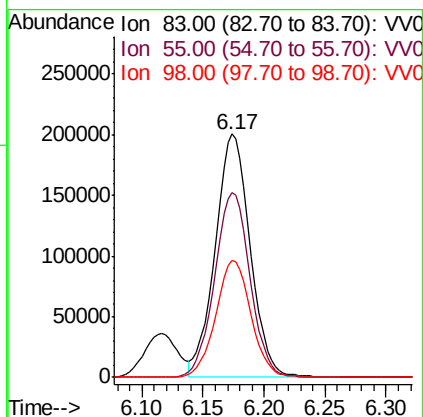
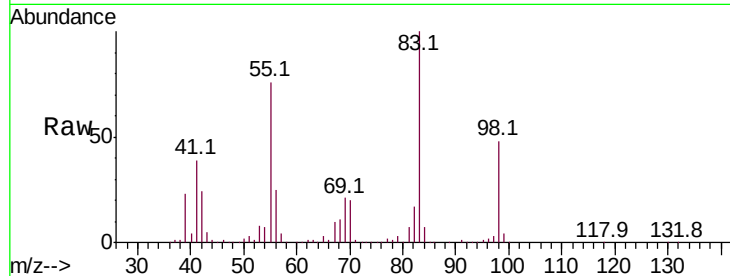




#35
Methylvlcyclohexane
Concen: 48.167 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

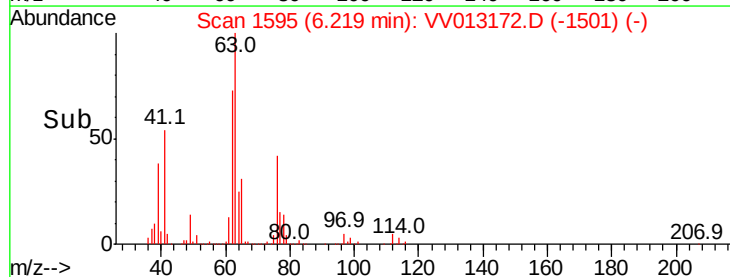
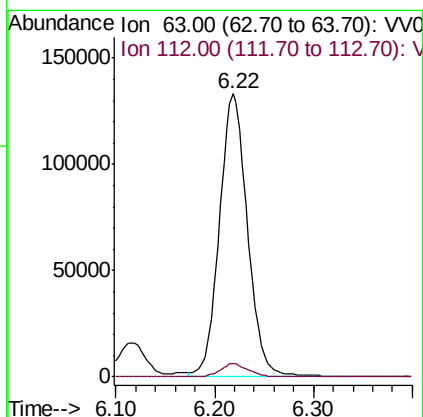
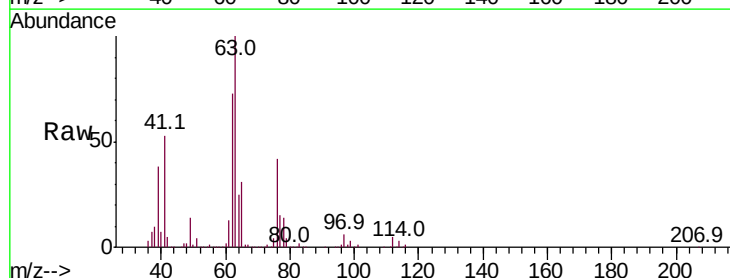
Instrument :
MSVOA_V
ClientSampled :

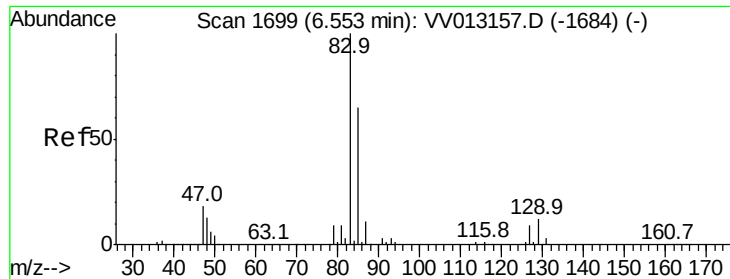
Tot Ion: 83 Resp: 402236
Ion Ratio Lower Upper
83 100
55 77.1 61.2 91.8
98 48.7 40.1 60.1



#37
1,2-Dichloropropane
Concen: 48.933 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Tgt Ion: 63 Resp: 262720
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8

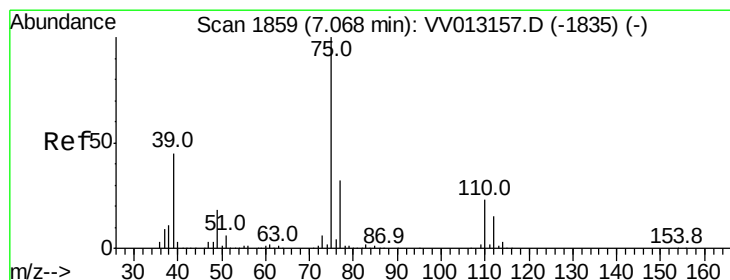
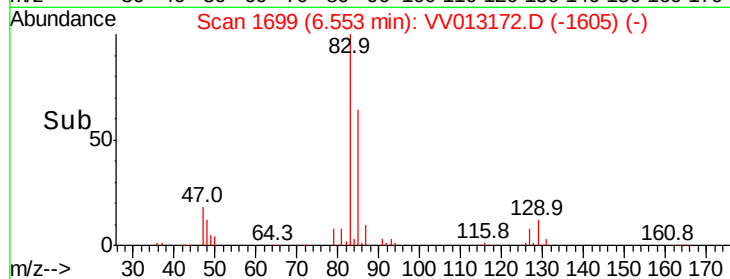
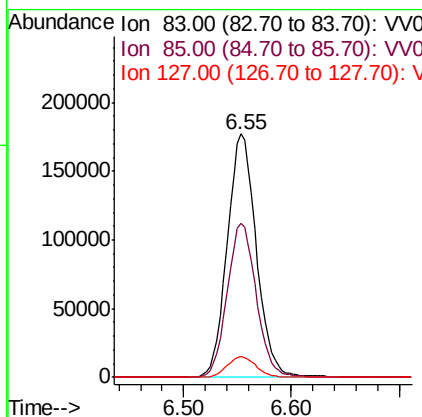
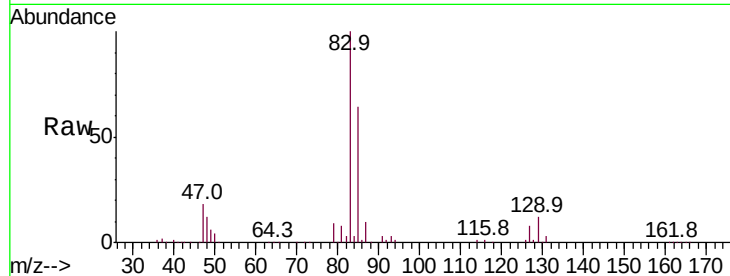




#38
 Bromodichloromethane
 Concen: 48.786 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

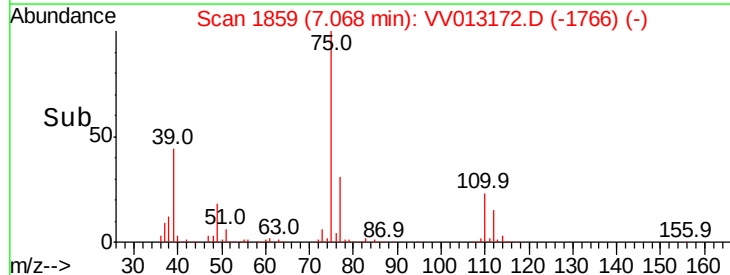
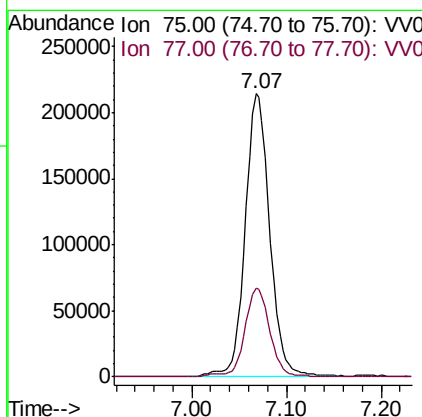
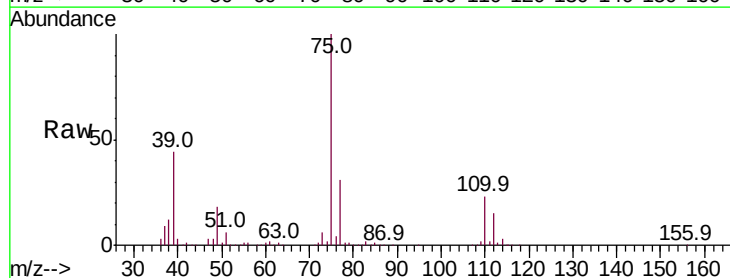
Instrument :
 MSVOA_V
 ClientSampleId :

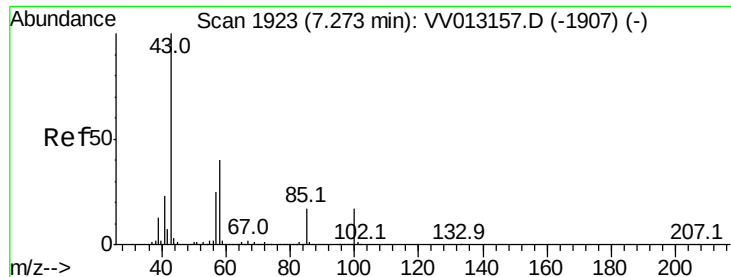
Tot Ion	83	Resp	333287
Ion	Ratio	Lower	Upper
83	100		
85	63.5	45.8	85.0
127	8.3	7.4	11.0



#39
 cis-1,3-Dichloropropene
 Concen: 48.764 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Tgt Ion	75	Resp	387212
Ion	Ratio	Lower	Upper
75	100		
77	31.2	21.7	40.3

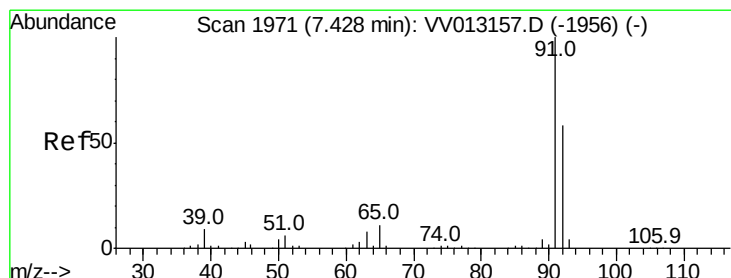
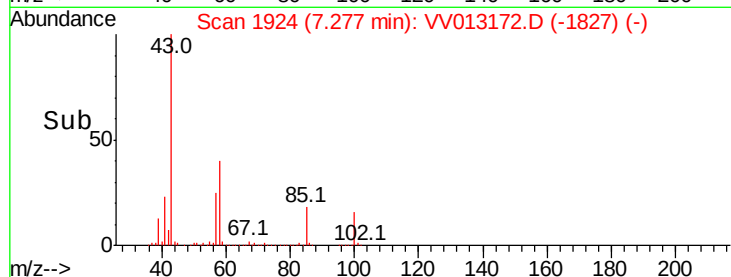
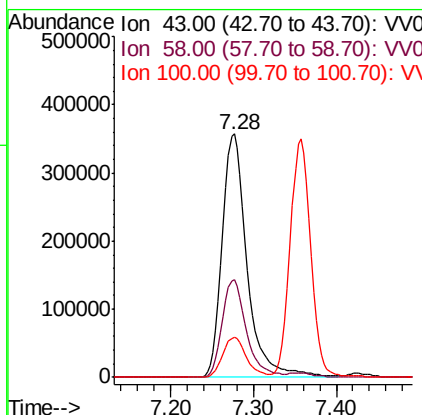
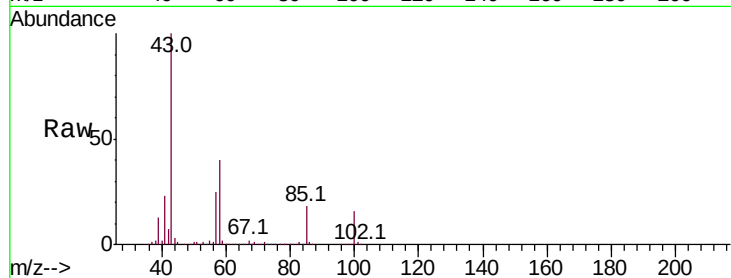




#40
4-Methyl-2-pentanone
Concen: 105.847 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

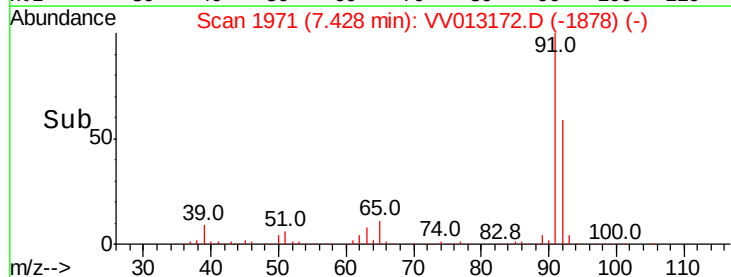
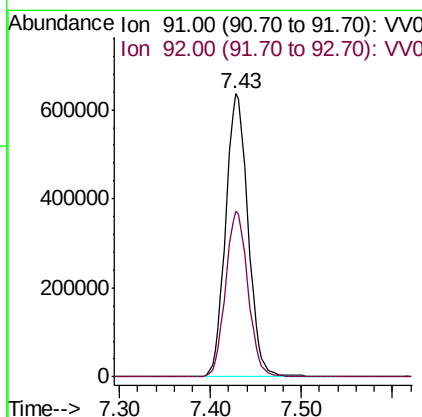
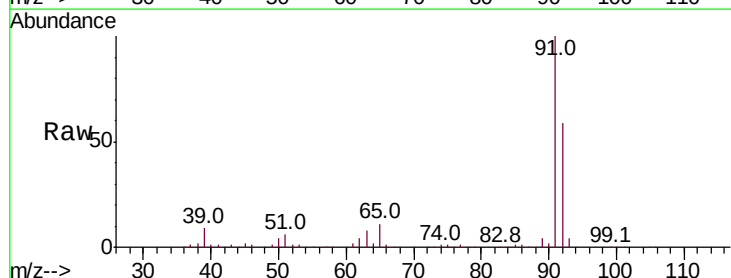
Instrument :
MSVOA_V
ClientSampleId :

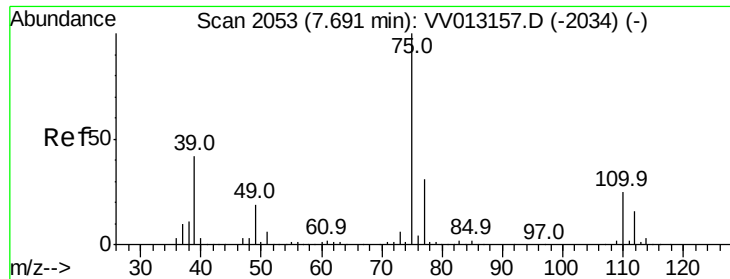
Tot Ion: 43 Resp: 743917
Ion Ratio Lower Upper
43 100
58 38.8 32.0 48.0
100 15.7 12.7 19.1



#42
Toluene
Concen: 51.141 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Tgt Ion: 91 Resp: 1091613
Ion Ratio Lower Upper
91 100
92 58.7 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 48.557 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

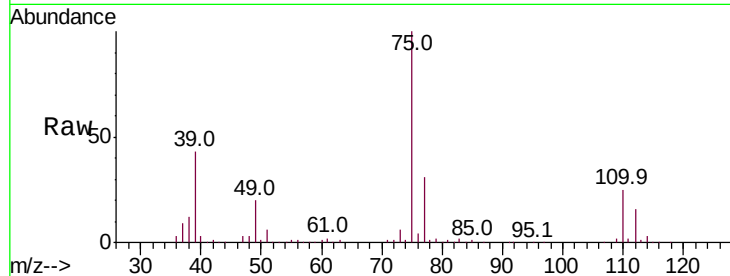
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 334234

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV013157.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV013157.D (-2034) (-)

7.69

200000

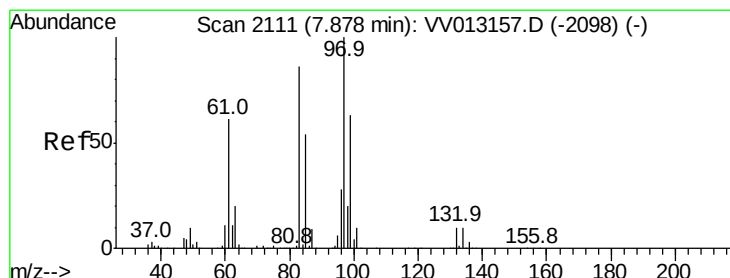
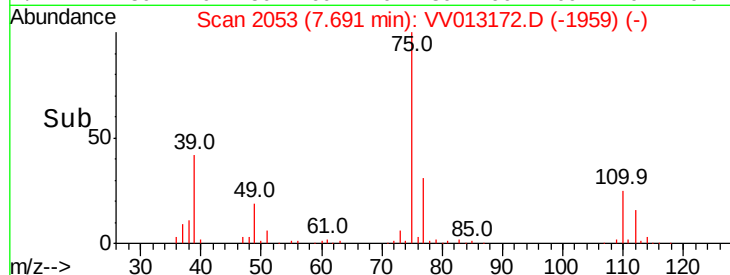
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 49.609 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Tgt Ion: 97 Resp: 252878

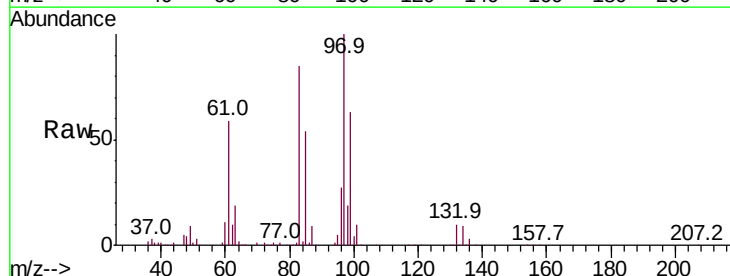
Ion Ratio Lower Upper

97 100

99 63.0 44.4 82.5

83 84.8 58.2 108.0

85 54.1 38.7 71.9



Abundance Ion 97.00 (96.70 to 97.70): VV013157.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV013157.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV013157.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013157.D (-2098) (-)

7.88

200000

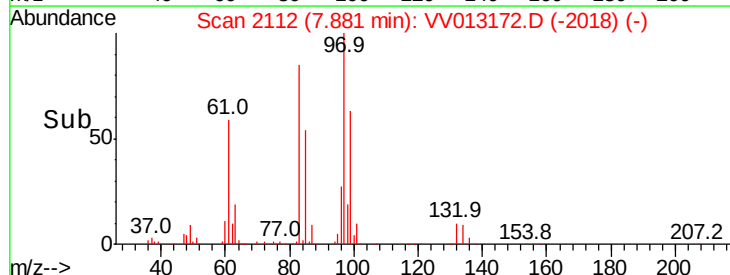
150000

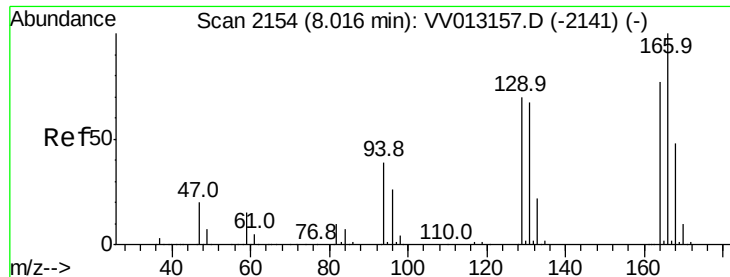
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 49.860 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 217920

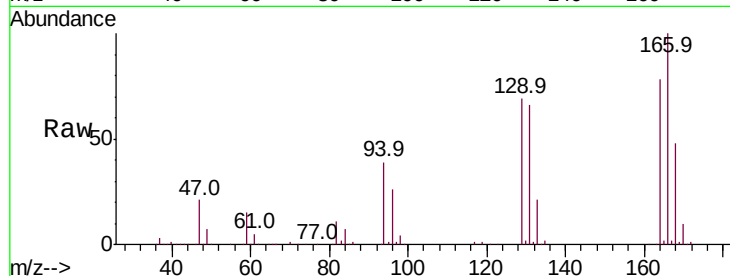
Ion Ratio Lower Upper

164 100

129 89.0 63.1 117.1

131 84.4 62.4 116.0

166 128.2 91.3 169.6

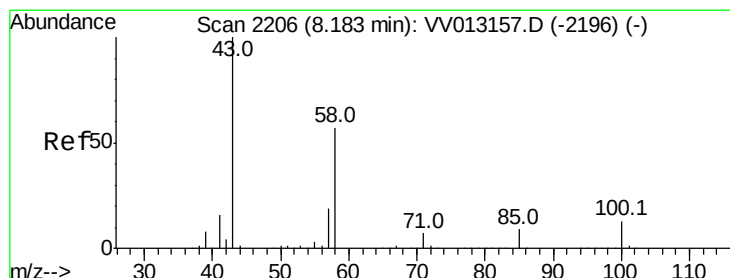
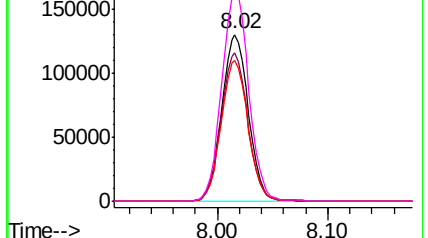
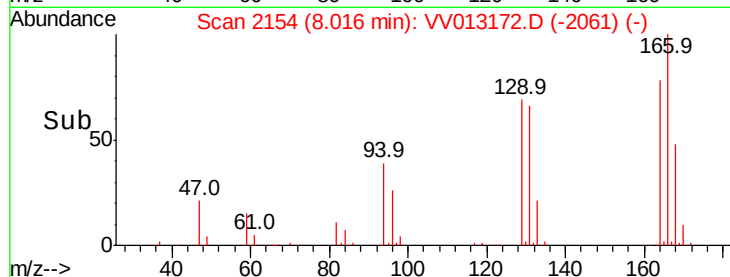


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 109.397 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Tgt Ion: 43 Resp: 594556

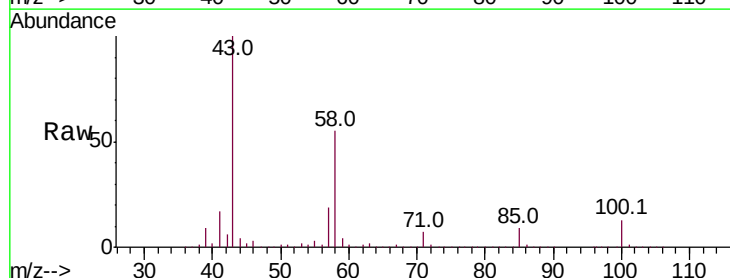
Ion Ratio Lower Upper

43 100

58 55.8 44.9 67.3

57 19.5 15.0 22.6

100 12.8 10.2 15.2

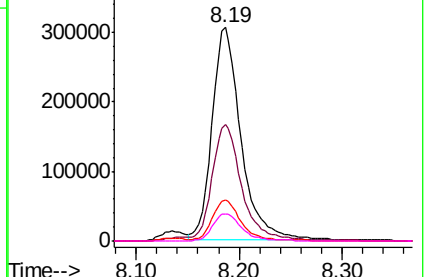
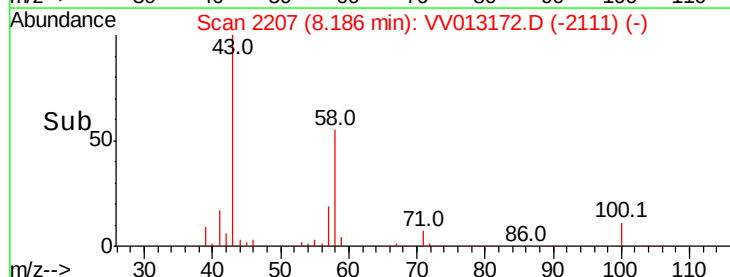


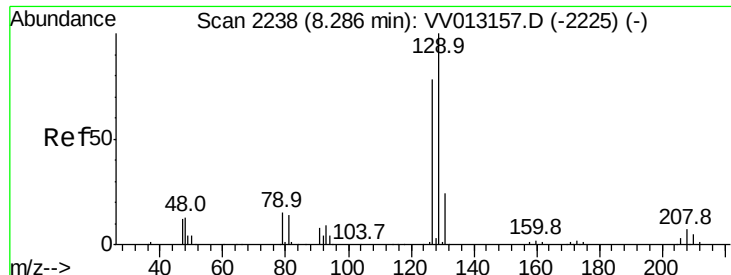
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

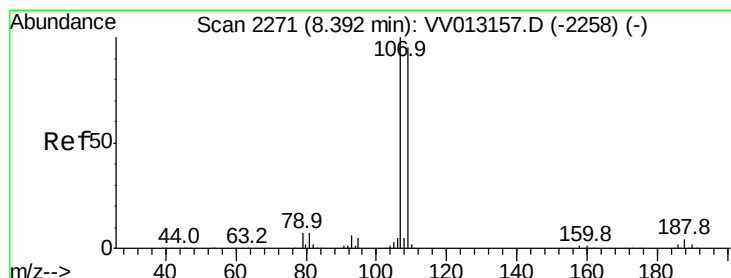
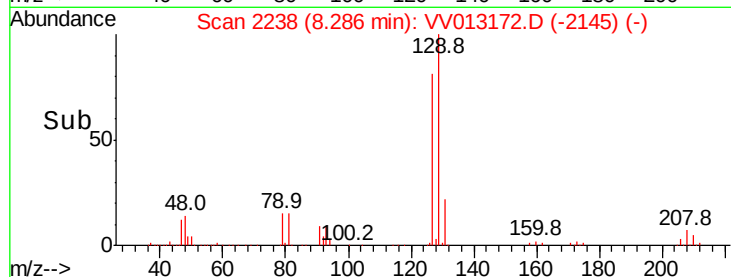
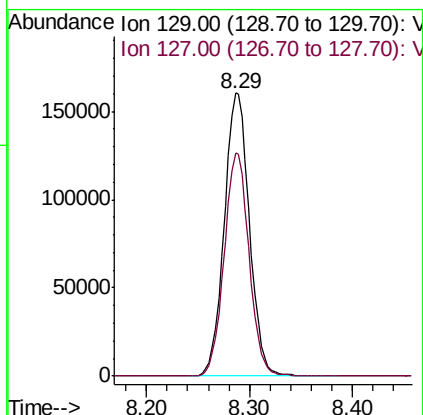
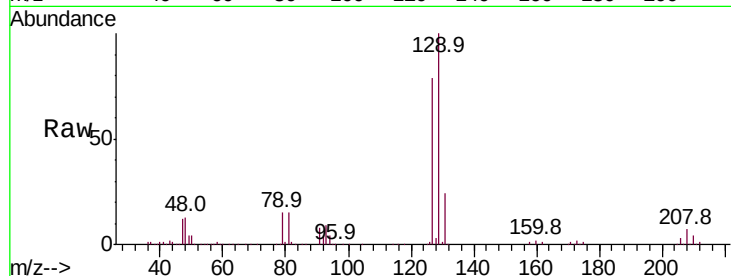




#49
 Dibromochloromethane
 Concen: 49.030 ug/L
 RT: 8.29 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

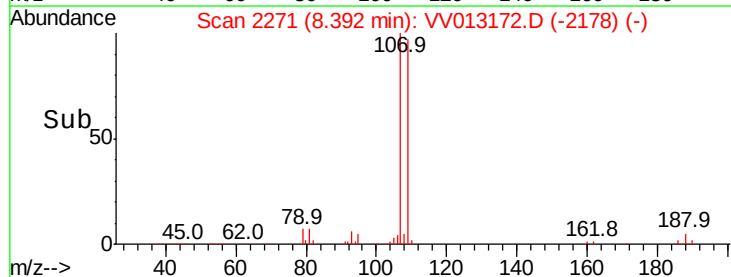
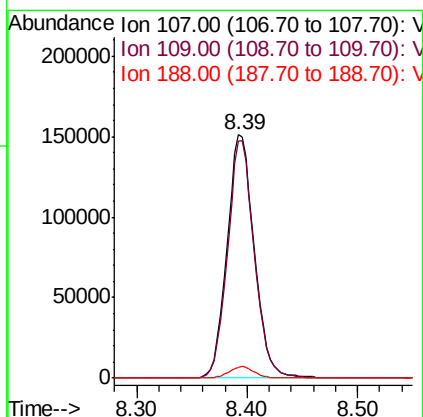
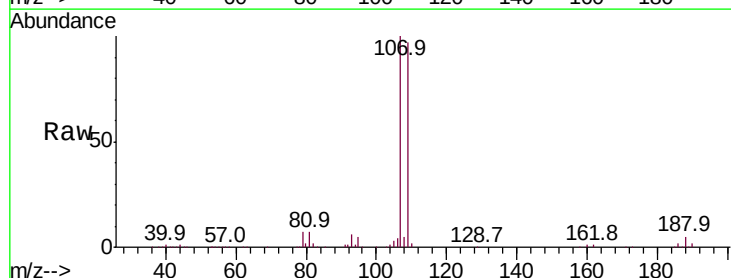
Instrument :
 MSVOA_V
 ClientSampleId :

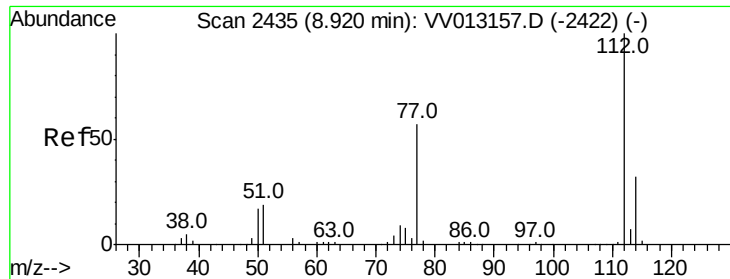
Tot Ion:129 Resp: 272382
 Ion Ratio Lower Upper
 129 100
 127 78.9 54.0 100.4



#50
 1,2-Dibromoethane
 Concen: 48.602 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Tgt Ion:107 Resp: 258931
 Ion Ratio Lower Upper
 107 100
 109 97.4 66.6 123.6
 188 4.5 3.4 5.2

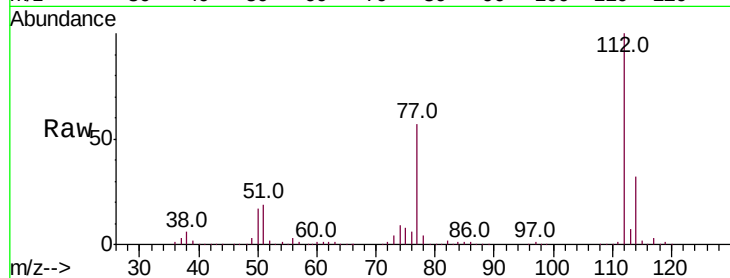




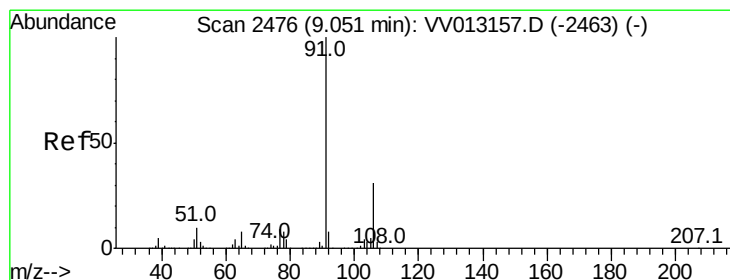
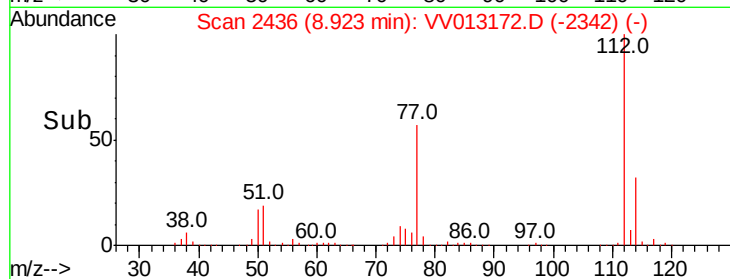
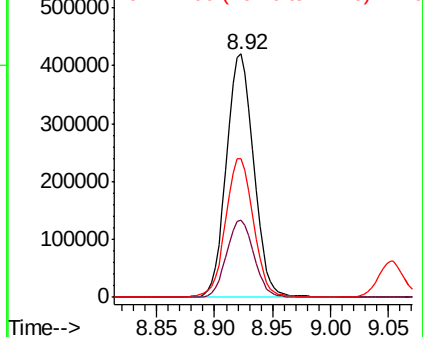
#51
Chlorobenzene
Concen: 48.882 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:112 Resp: 684235
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 57.2 45.1 67.7

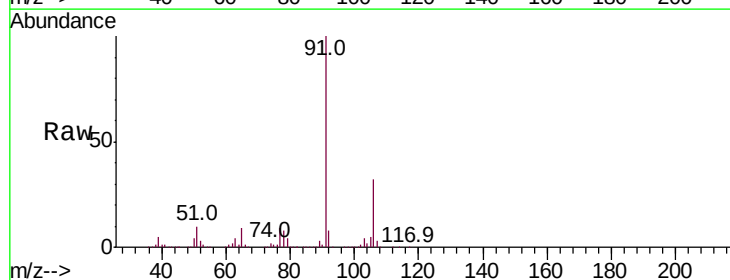


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

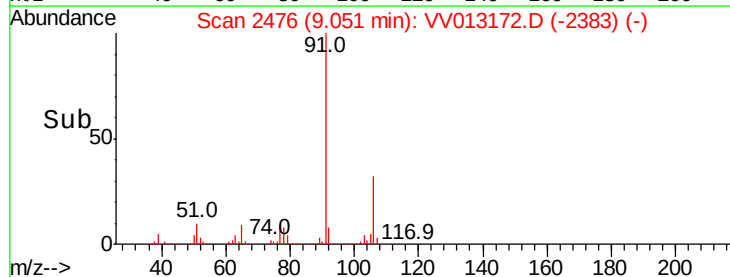
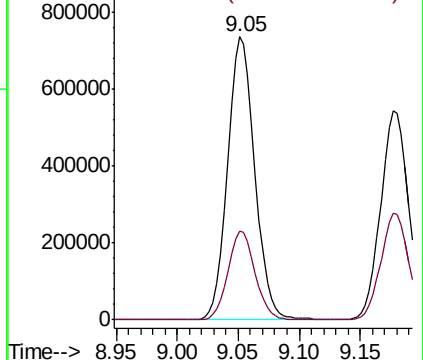


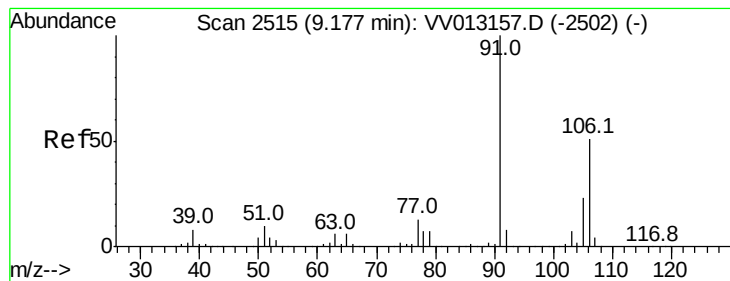
#52
Ethylbenzene
Concen: 50.355 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Tgt Ion: 91 Resp: 1148087
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 51.699 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

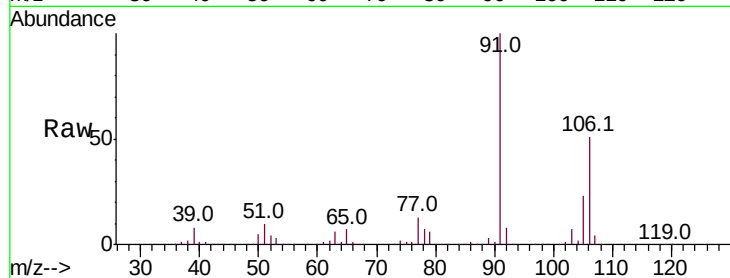
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 443459

Ion Ratio Lower Upper

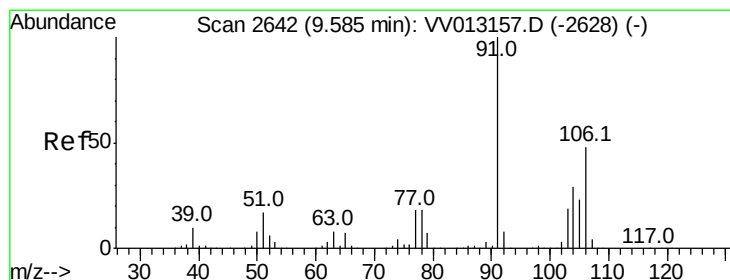
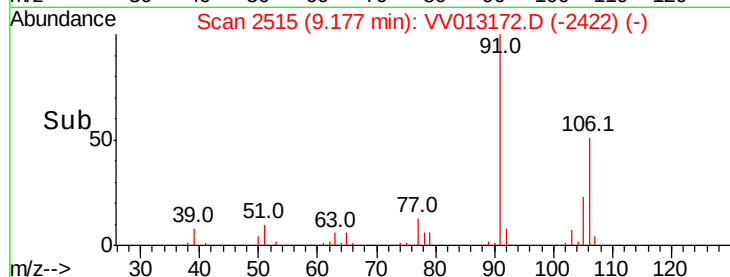
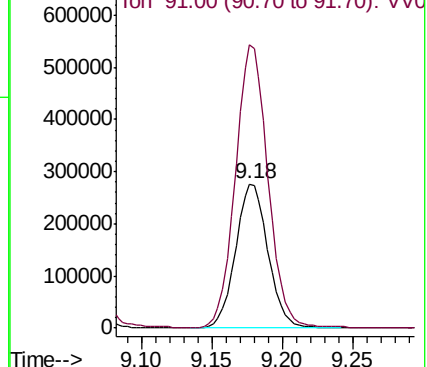
106 100

91 196.2 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 49.674 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013172.D

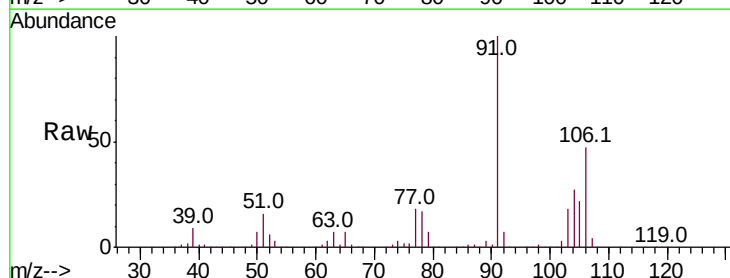
Acq: 15 Oct 2019 17:31

Tgt Ion:106 Resp: 426896

Ion Ratio Lower Upper

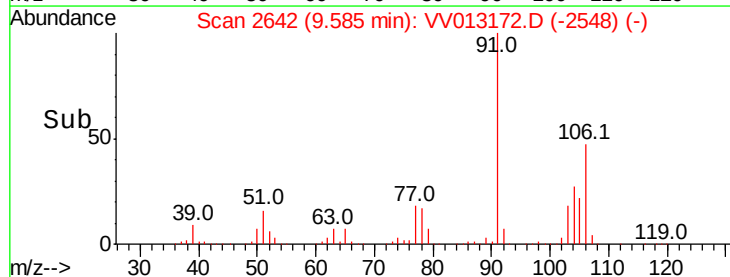
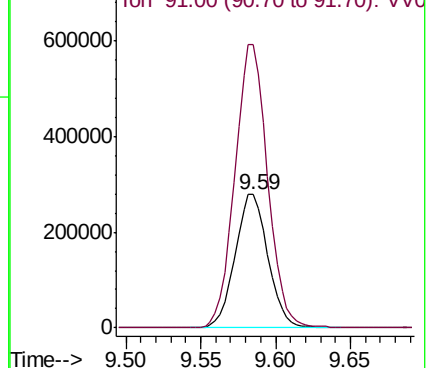
106 100

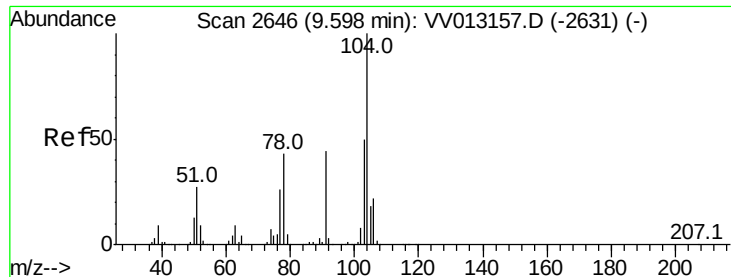
91 212.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 52.286 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

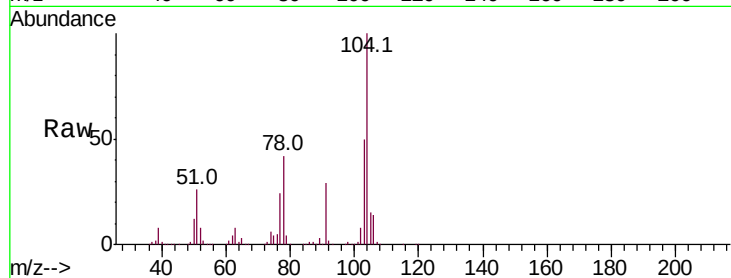
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 737929

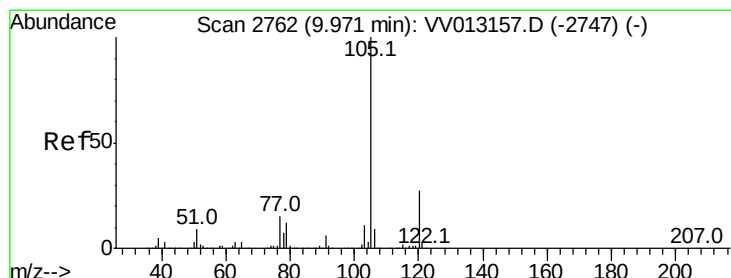
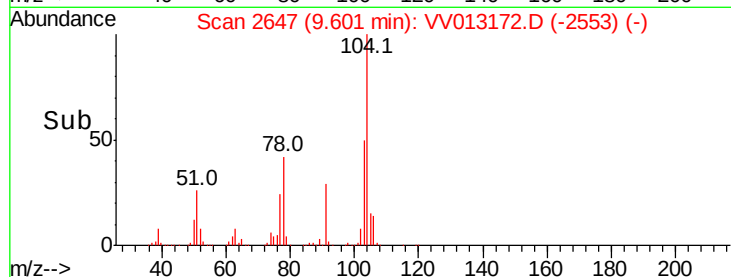
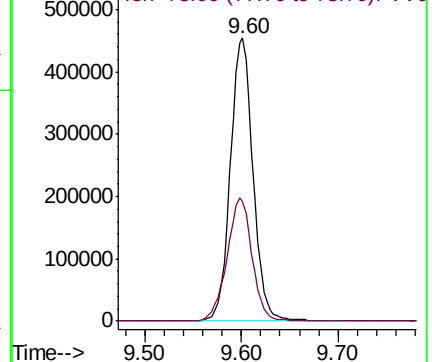
Ion Ratio Lower Upper

104 100

78 42.4 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 50.727 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

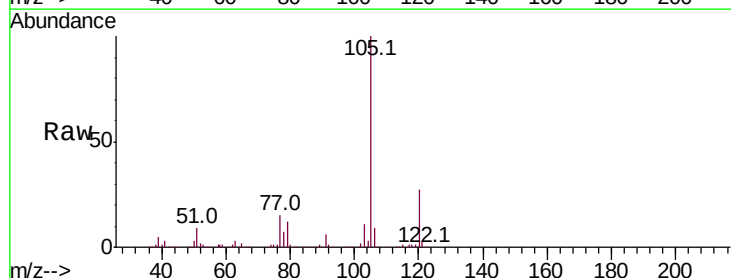
Tgt Ion:105 Resp: 1119408

Ion Ratio Lower Upper

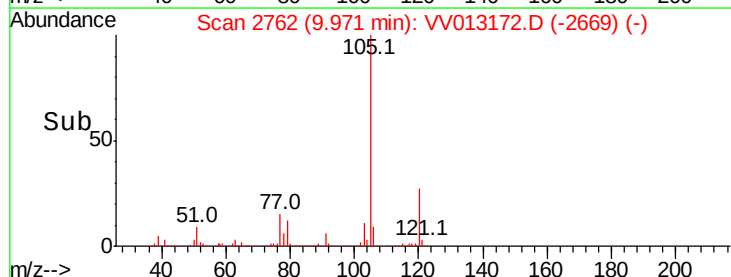
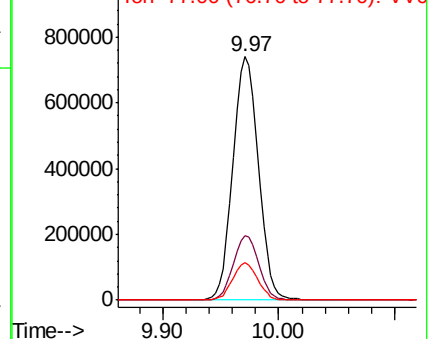
105 100

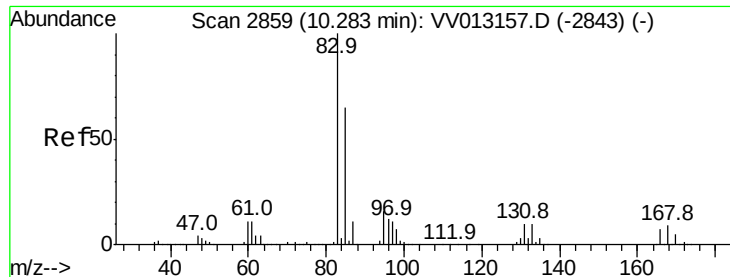
120 26.5 21.4 32.2

77 15.1 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 47.978 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :

MSVOA_V

ClientSampled :

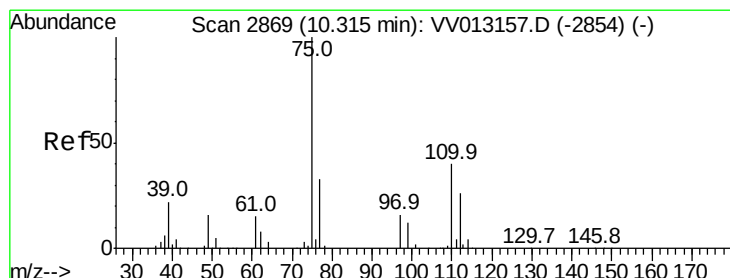
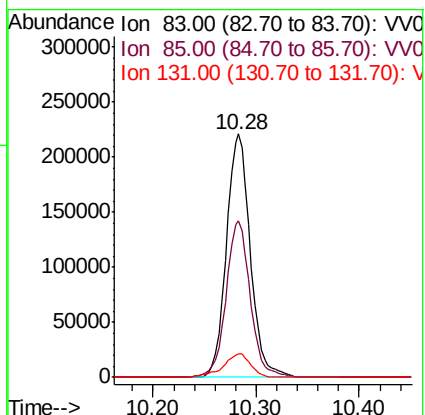
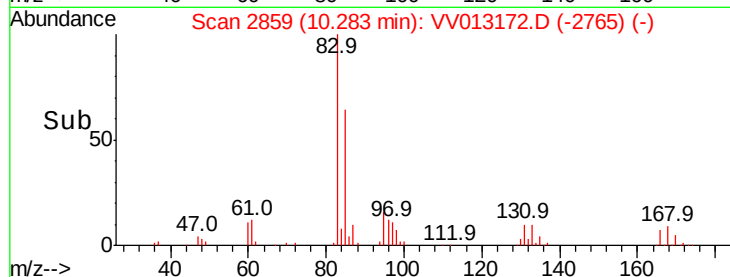
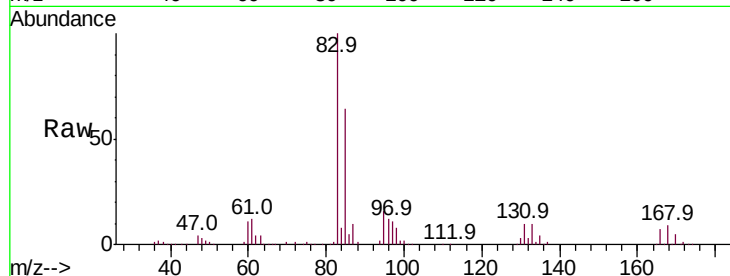
Tot Ion: 83 Resp: 355532

Ion Ratio Lower Upper

83 100

85 64.2 44.3 82.3

131 9.8 8.1 12.1



#59

1,2,3-Trichloropropane

Concen: 49.673 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013172.D

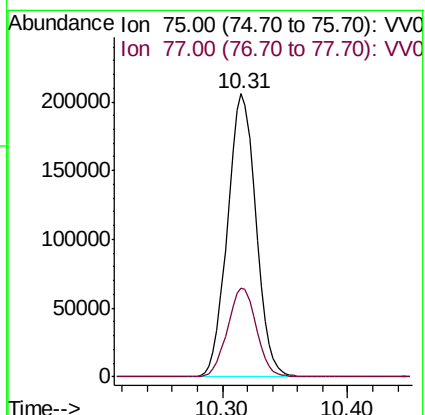
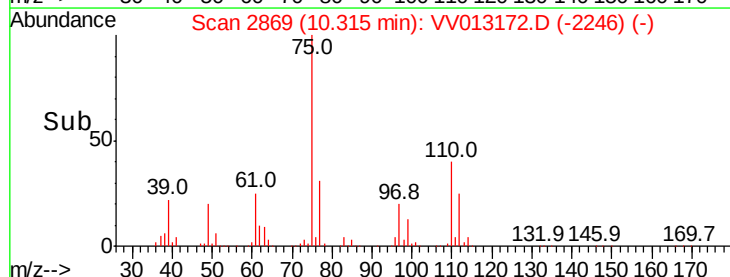
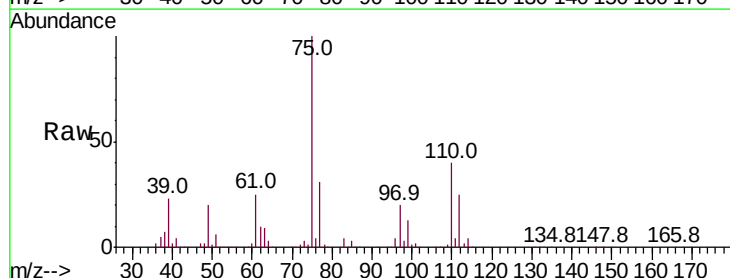
Acq: 15 Oct 2019 17:31

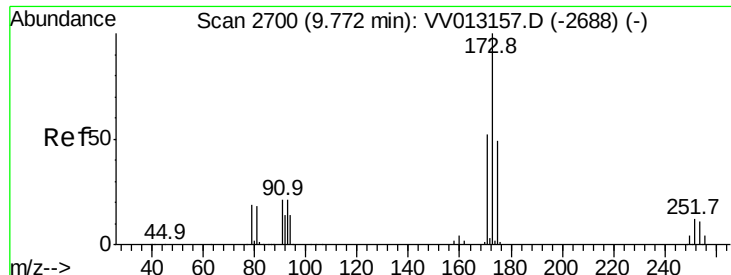
Tgt Ion: 75 Resp: 324674

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5





#61

Bromoform

Concen: 47.155 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :

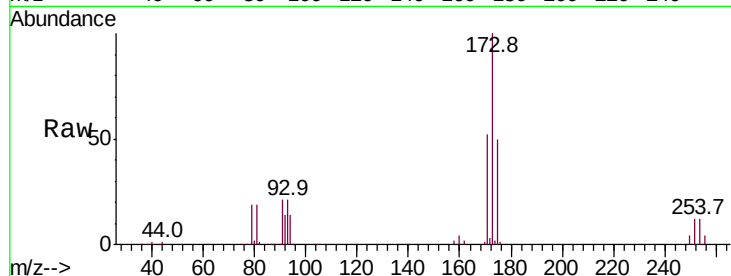
Tot Ion:173 Resp: 199667

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.8	58.2
254	12.1	9.6	14.4

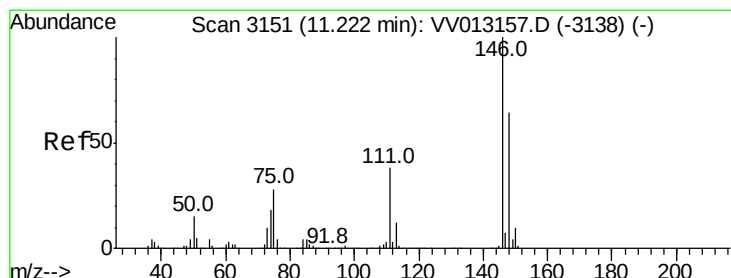
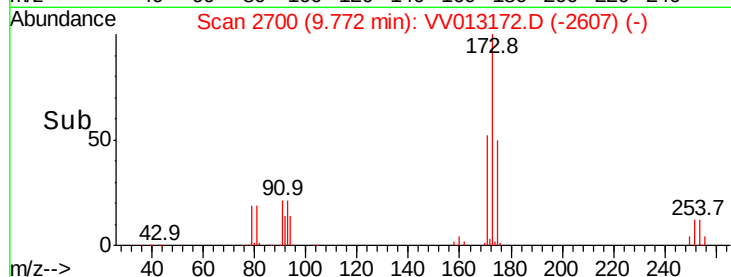
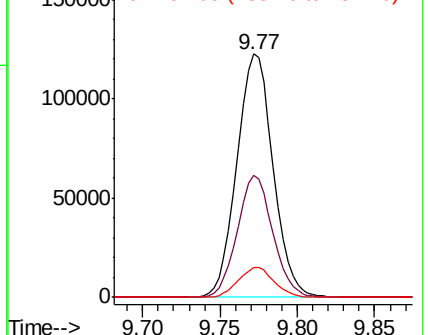
173 100

175 49.1 38.8 58.2

254 12.1 9.6 14.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 47.853 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

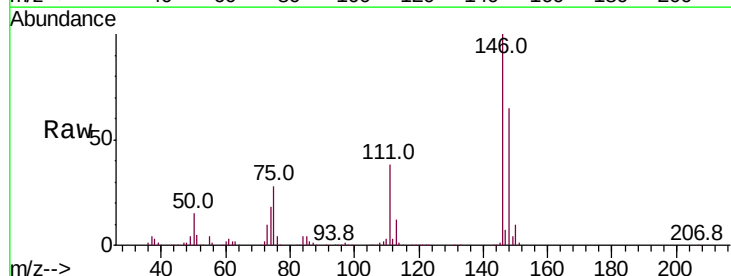
Tgt Ion:146 Resp: 520717

Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.6	49.4
148	64.8	44.6	82.8

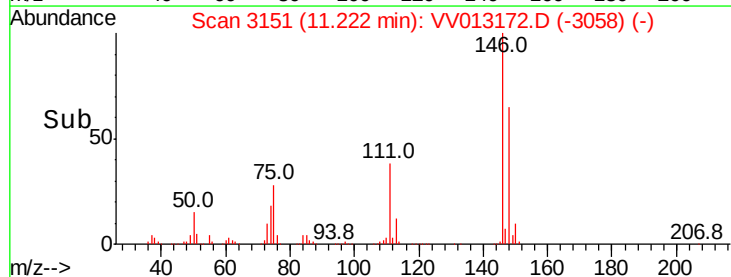
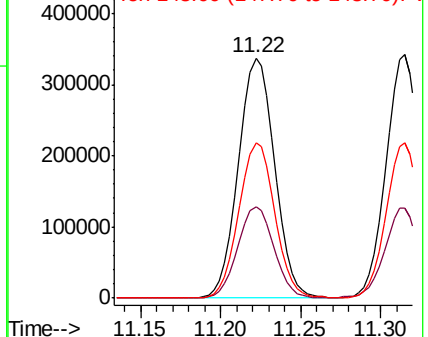
146 100

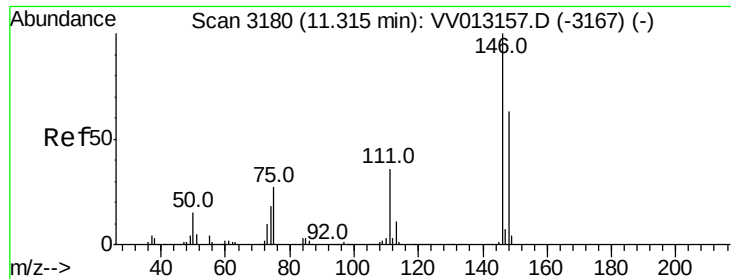
111 38.3 26.6 49.4

148 64.8 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 47.894 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

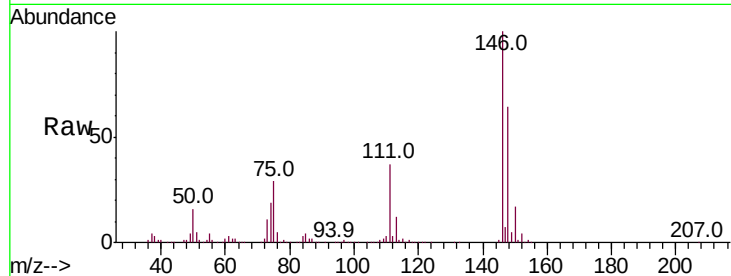
Tot Ion:146 Resp: 523353

Ion Ratio Lower Upper

146 100

111 36.9 25.4 47.2

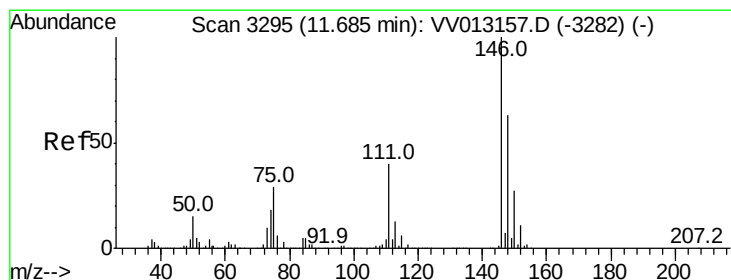
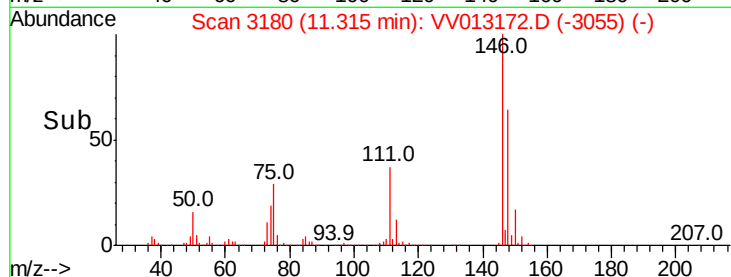
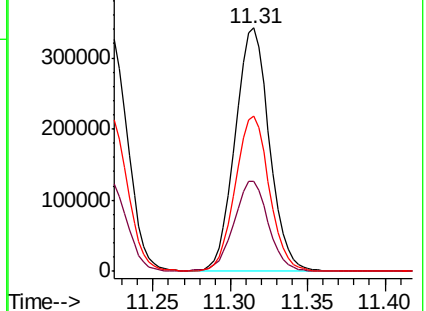
148 63.8 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 48.536 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

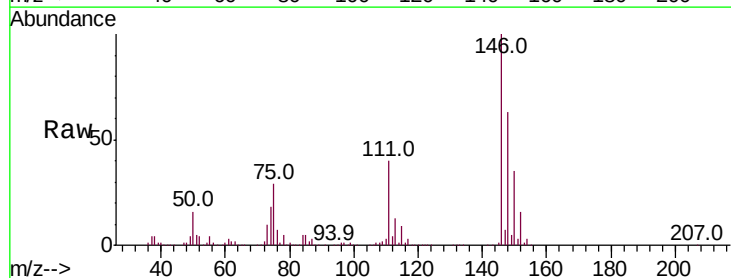
Tgt Ion:146 Resp: 537651

Ion Ratio Lower Upper

146 100

111 40.1 32.2 48.2

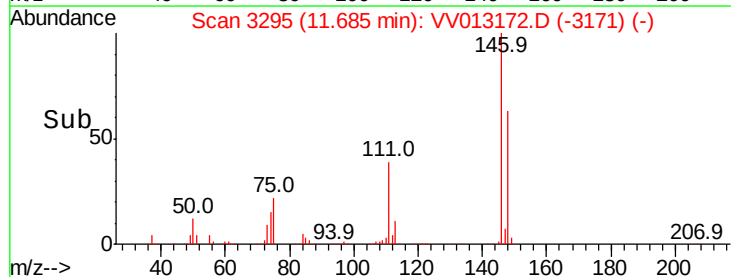
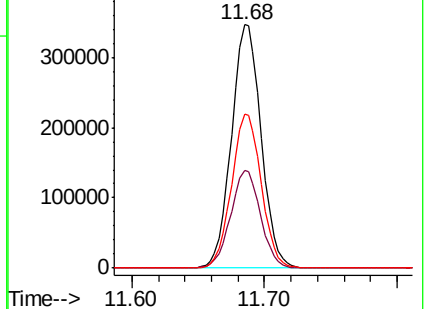
148 63.2 50.6 76.0

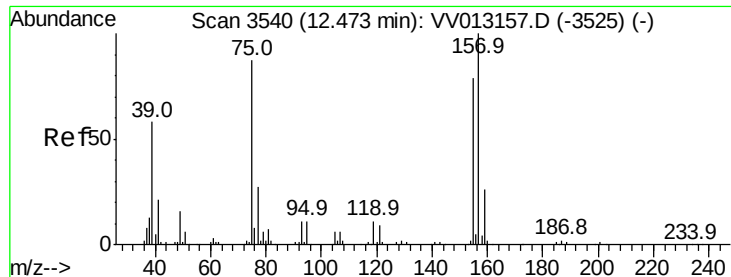


Abundance Ion 146.00 (145.70 to 146.70): V

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: 46.027 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

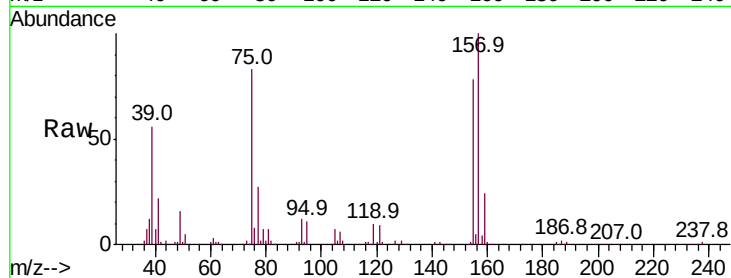
Tot Ion: 75 Resp: 74157

Ion Ratio Lower Upper

75 100

155 94.6 74.6 111.8

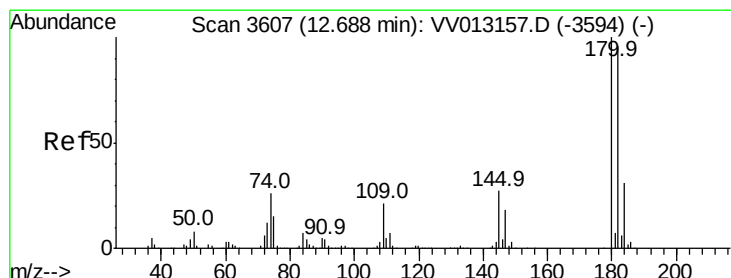
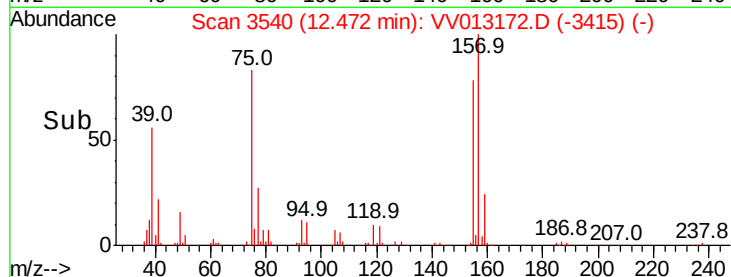
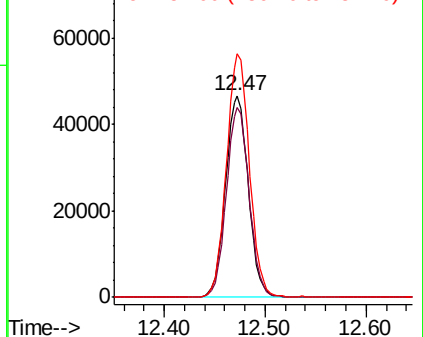
157 120.9 94.2 141.4



Abundance Ion 75.00 (74.70 to 75.70): VV013172.D (-3415) (-)

Ion 155.00 (154.70 to 155.70): VV013172.D (-3415) (-)

Ion 157.00 (156.70 to 157.70): VV013172.D (-3415) (-)



#67

1,3,5-Trichlorobenzene

Concen: 45.541 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013172.D

Acq: 15 Oct 2019 17:31

Tgt Ion: 180 Resp: 353412

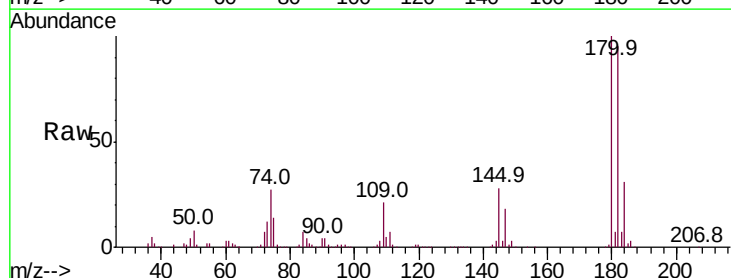
Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

184 30.5 24.3 36.5

145 27.9 21.7 32.5

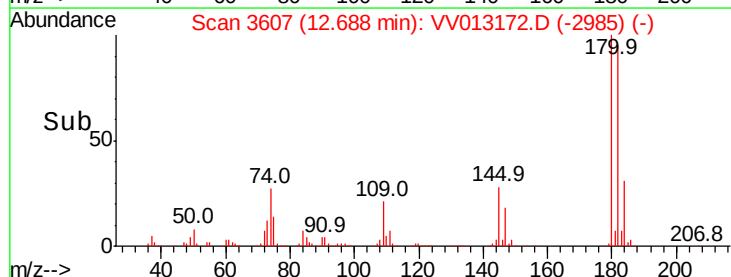
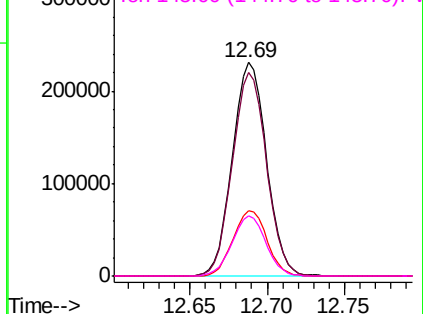


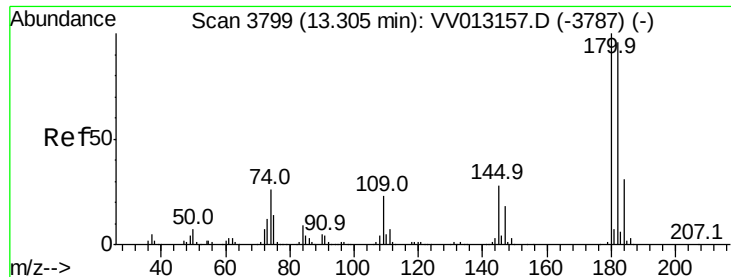
Abundance Ion 180.00 (179.70 to 180.70): VV013172.D (-2985) (-)

Ion 182.00 (181.70 to 182.70): VV013172.D (-2985) (-)

Ion 184.00 (183.70 to 184.70): VV013172.D (-2985) (-)

Ion 145.00 (144.70 to 145.70): VV013172.D (-2985) (-)

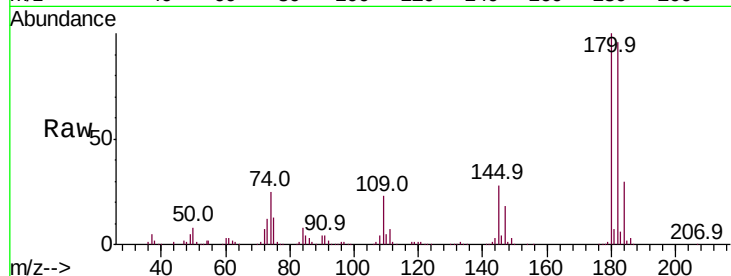




#68
1,2,4-trichlorobenzene
Concen: 45.071 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
145	28.1	22.7	34.1

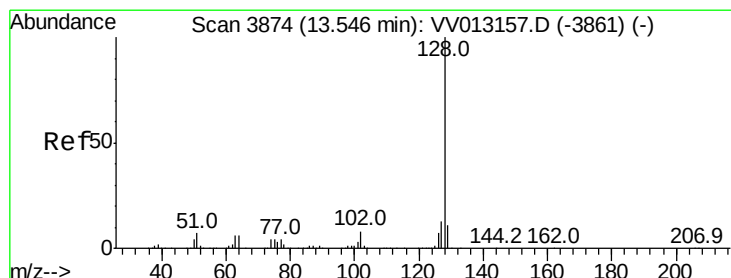
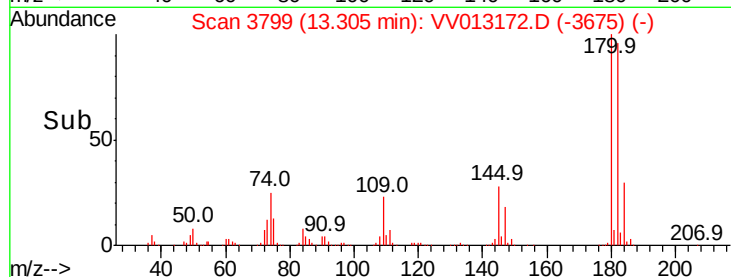
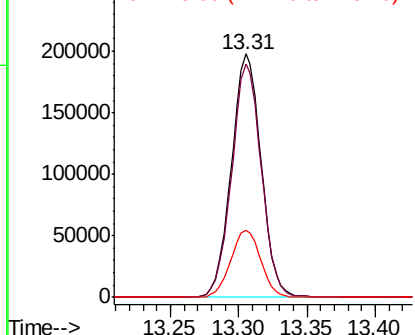


Abundance

Ion 180.00 (179.70 to 180.70): V

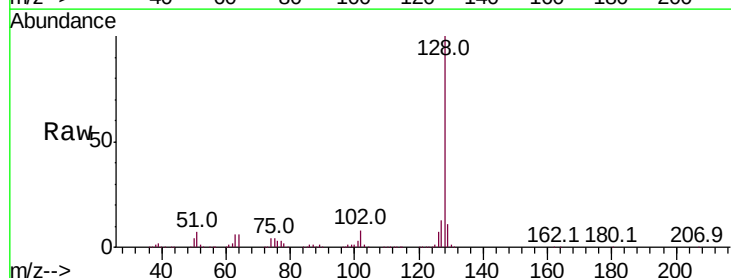
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
Naphthalene
Concen: 47.106 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013172.D
Acq: 15 Oct 2019 17:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.1	8.6	13.0

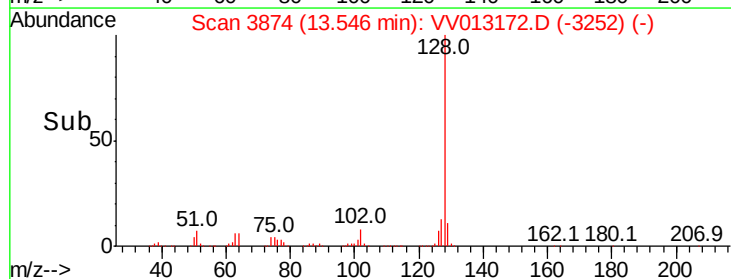
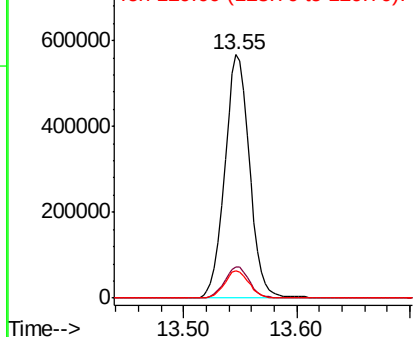


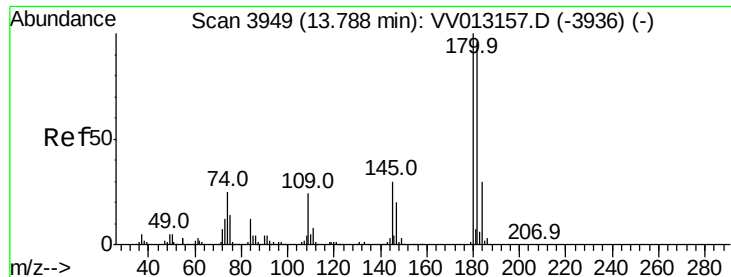
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

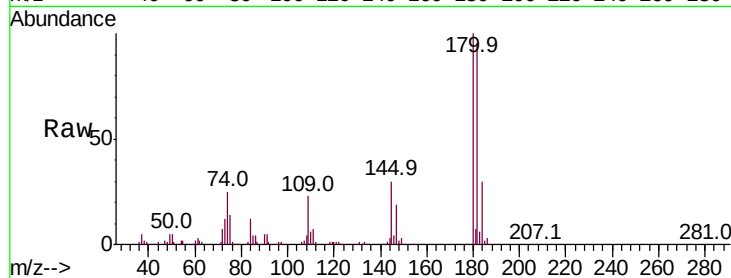




#70
 1,2,3-Trichlorobenzene
 Concen: 47.023 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV013172.D
 Acq: 15 Oct 2019 17:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	29.7	23.8	35.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

