

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013130.D
 Acq On : 12 Oct 2019 03:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 04:56:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 04:13:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	689605	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	656288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	317302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	216101	49.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.16%
7) Chloroethane-d5	1.58	69	192222	53.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.14	63	420341	51.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.24%
21) 2-Butanone-d5	3.93	46	341668	104.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.25%
24) Chloroform-d	4.40	84	451310	53.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.56%
26) 1,2-Dichloroethane-d4	5.08	65	279104	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.90%
32) Benzene-d6	5.10	84	932303	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.48%
36) 1,2-Dichloropropane-d6	6.12	67	292892	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.78%
41) Toluene-d8	7.36	98	849447	54.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.42%
43) trans-1,3-Dichloropropene-	7.66	79	124690	50.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.34%
47) 2-Hexanone-d5	8.13	63	232269	106.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.41%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	382102	53.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.94%
64) 1,2-Dichlorobenzene-d4	11.67	152	324050	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	269619	50.404	ug/L	99
3) Chloromethane	1.25	50	311206	51.126	ug/L	100
5) Vinyl chloride	1.33	62	295734	50.573	ug/L	100
6) Bromomethane	1.53	94	183157	61.215	ug/L	96
8) Chloroethane	1.60	64	182187	52.379	ug/L	99
9) Trichlorofluoromethane	1.77	101	382869	51.026	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	222247	50.285	ug/L	99
12) 1,1-Dichloroethene	2.15	96	219600	51.349	ug/L	92
13) Acetone	2.19	43	220840	73.382	ug/L	99
14) Carbon disulfide	2.32	76	615272	49.608	ug/L	100
15) Methyl Acetate	2.46	43	263417	49.393	ug/L	99
16) Methylene chloride	2.54	84	255985	50.309	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	232346	50.079	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	708955	50.626	ug/L	100
19) 1,1-Dichloroethane	3.23	63	449756	51.391	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	264428	50.359	ug/L	98
22) 2-Butanone	4.01	43	359212	93.777	ug/L	97

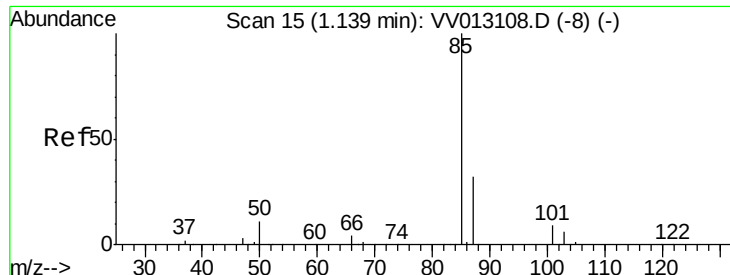
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 04:13:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	136226	51.080	ug/L	99
25) Chloroform	4.43	83	454146	51.502	ug/L	98
27) 1,2-Dichloroethane	5.18	62	343943	50.883	ug/L	99
29) Cyclohexane	4.73	56	401342	51.062	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	370928	50.937	ug/L	99
31) Carbon tetrachloride	4.88	117	328024	50.693	ug/L	100
33) Benzene	5.15	78	1027021	51.378	ug/L	100
34) Trichloroethene	5.96	95	265903	49.960	ug/L	98
35) Methylcyclohexane	6.18	83	403880	50.166	ug/L	99
37) 1,2-Dichloropropane	6.22	63	263621	50.931	ug/L	100
38) Bromodichloromethane	6.55	83	335855	50.994	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	381053	49.776	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	697199	102.896	ug/L	100
42) Toluene	7.43	91	1080525	52.508	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	327177	49.303	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	252288	51.338	ug/L	99
46) Tetrachloroethene	8.02	164	229833	54.545	ug/L	99
48) 2-Hexanone	8.18	43	529371	101.032	ug/L	99
49) Dibromochloromethane	8.29	129	277150	51.748	ug/L	99
50) 1,2-Dibromoethane	8.39	107	259094	50.445	ug/L	99
51) Chlorobenzene	8.92	112	679244	50.333	ug/L	99
52) Ethylbenzene	9.05	91	1147196	52.191	ug/L	100
53) m,p-Xylene	9.18	106	441796	53.424	ug/L	100
54) o-xylene	9.59	106	430673	51.981	ug/L	100
55) Styrene	9.60	104	732253	53.817	ug/L	98
56) Isopropylbenzene	9.97	105	1127639	53.004	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	366902	51.358	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	320905	50.926	ug/L	99
61) Bromoform	9.77	173	199124	49.871	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	506423	49.354	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	505106	49.020	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	521481	49.923	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	72622	47.800	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	348196	47.582	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	294488	46.919	ug/L	99
69) Naphthalene	13.55	128	816288	47.208	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	328959	48.996	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.404 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

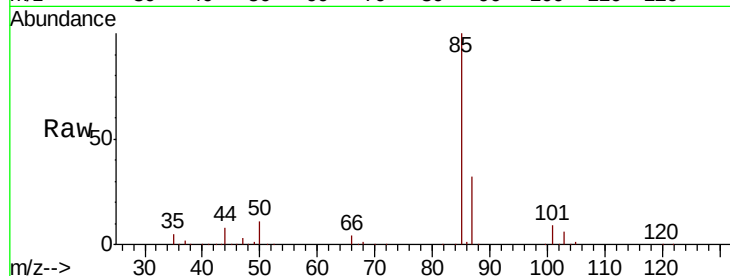
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 269619

Ion Ratio Lower Upper

85 100

87 31.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

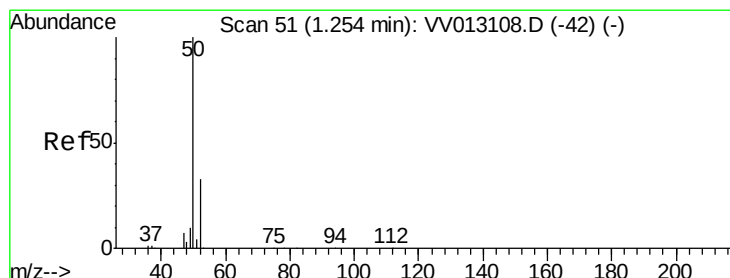
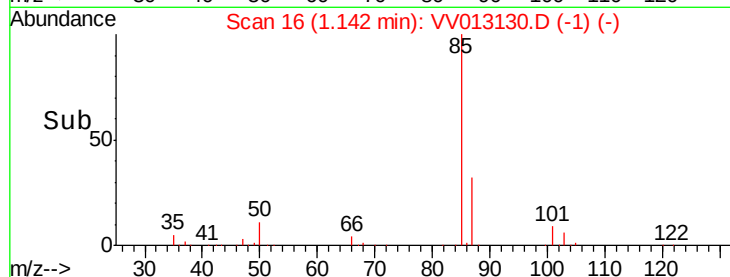
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.126 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013130.D

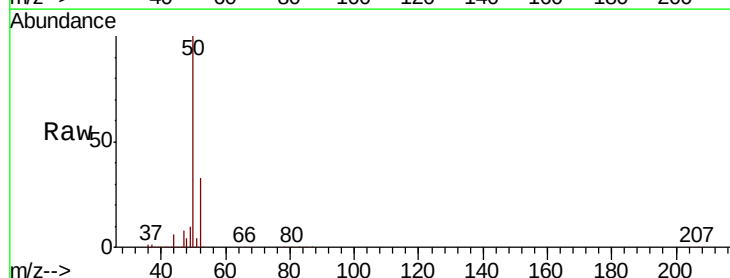
Acq: 12 Oct 2019 03:59

Tgt Ion: 50 Resp: 311206

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

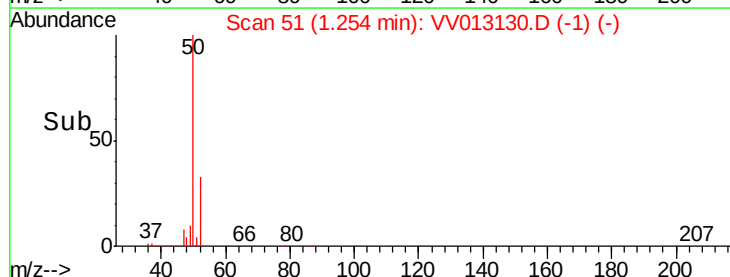
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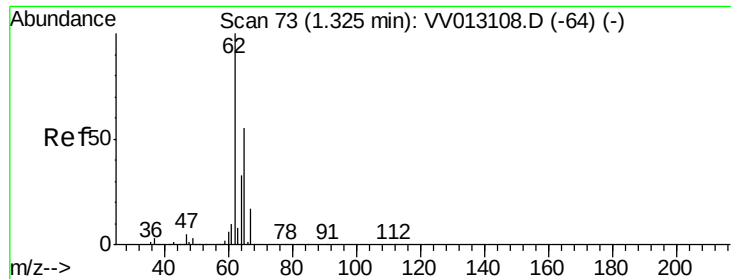
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 50.573 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

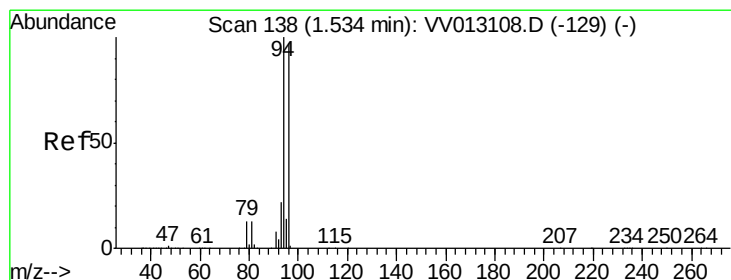
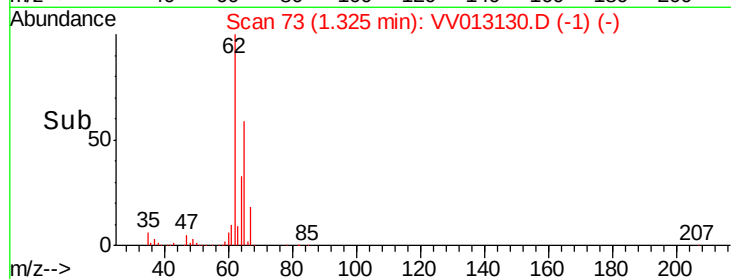
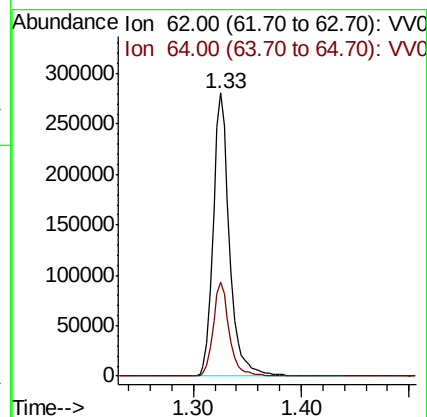
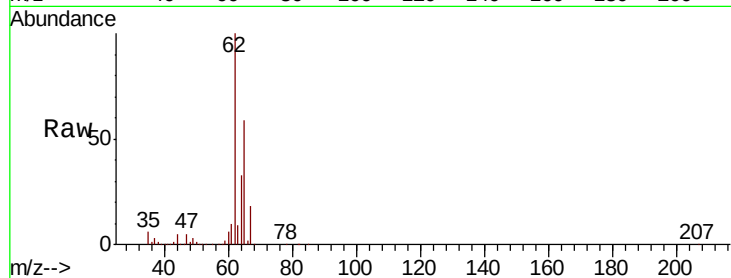
ClientSampled :

Tot Ion: 62 Resp: 295734

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 61.215 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013130.D

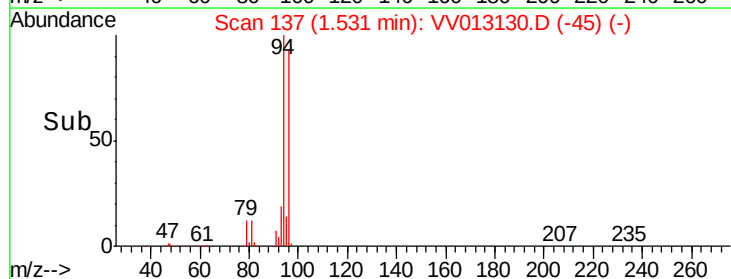
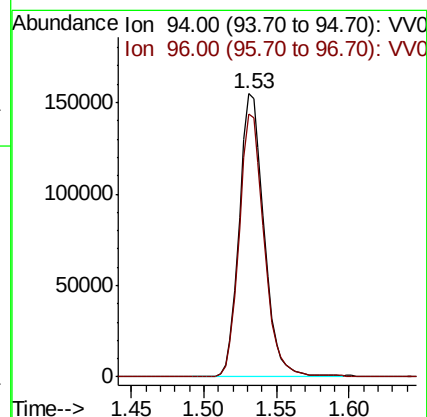
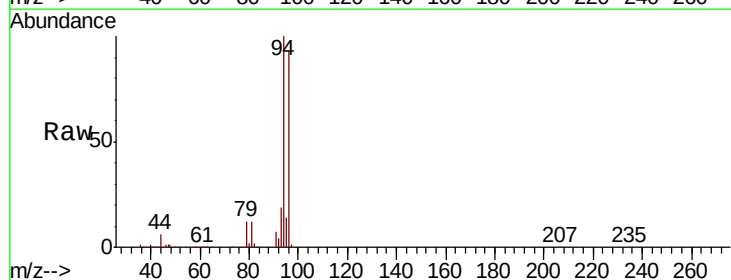
Acq: 12 Oct 2019 03:59

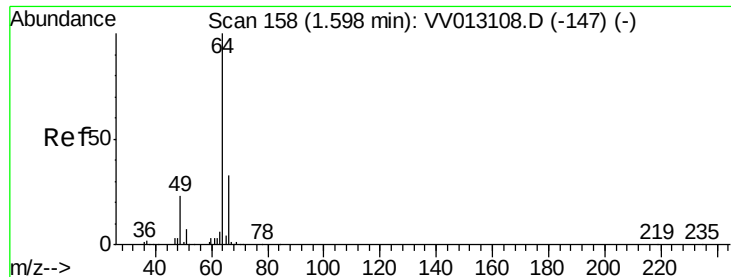
Tgt Ion: 94 Resp: 183157

Ion Ratio Lower Upper

94 100

96 92.8 68.0 126.2





#8

Chloroethane

Concen: 52.379 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

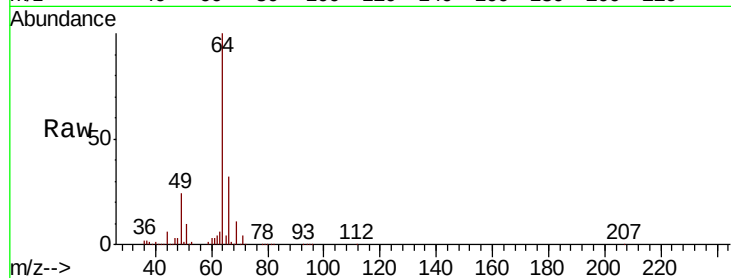
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 182187

Ion Ratio Lower Upper

64 100

66 32.3 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV013130.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV013130.D (-147) (-)

1.60

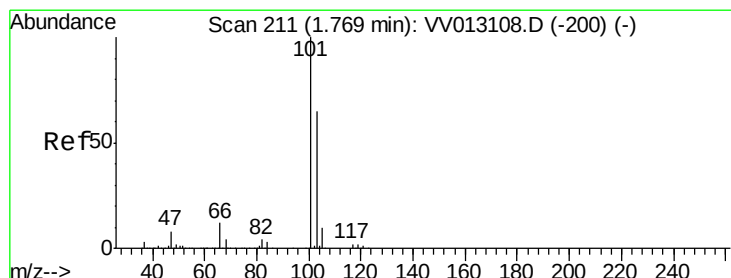
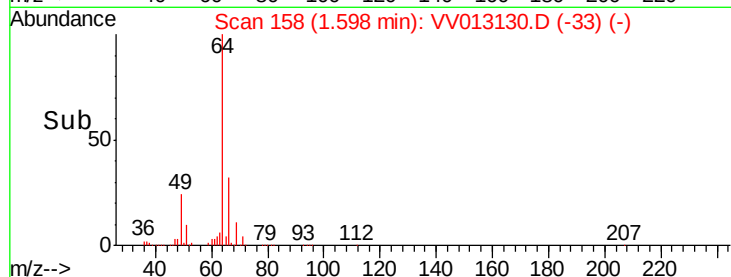
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.026 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV013130.D

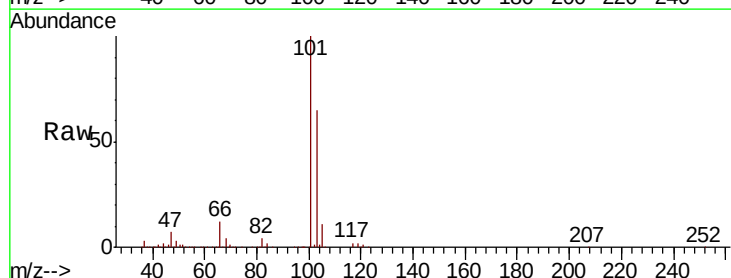
Acq: 12 Oct 2019 03:59

Tgt Ion: 101 Resp: 382869

Ion Ratio Lower Upper

101 100

103 64.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV013130.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013130.D (-200) (-)

1.77

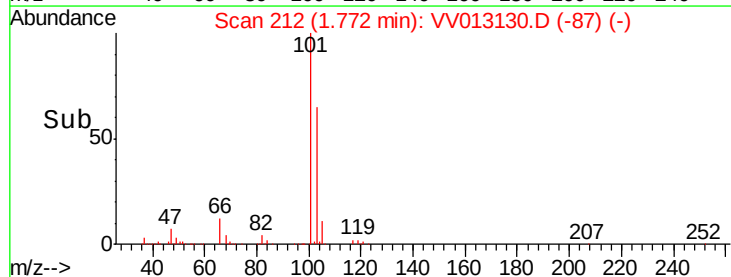
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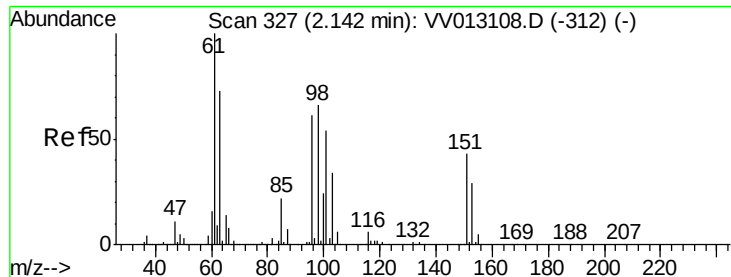
200000

100000

0

Time-->





#10

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

Concen: 50.285 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

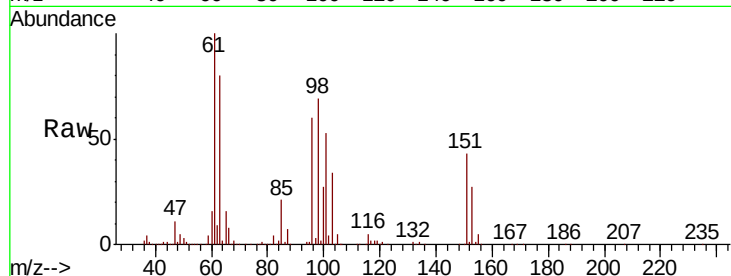
Tot Ion:101 Resp: 222247

Ion Ratio Lower Upper

101 100

85 41.5 32.9 49.3

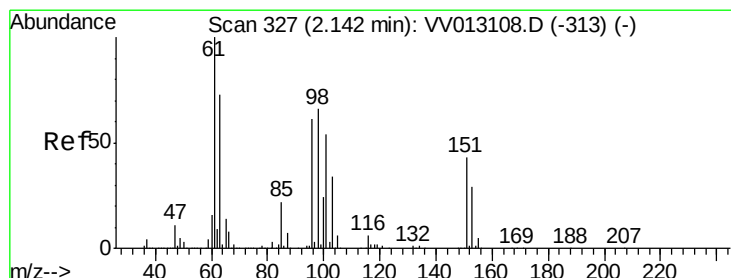
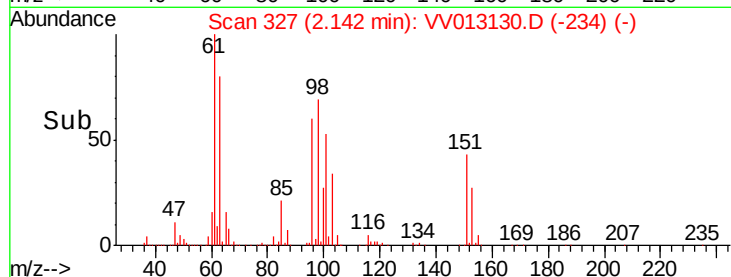
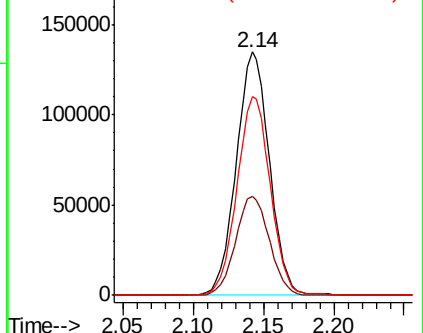
151 81.8 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): VV013130.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV013130.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV013130.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 51.349 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

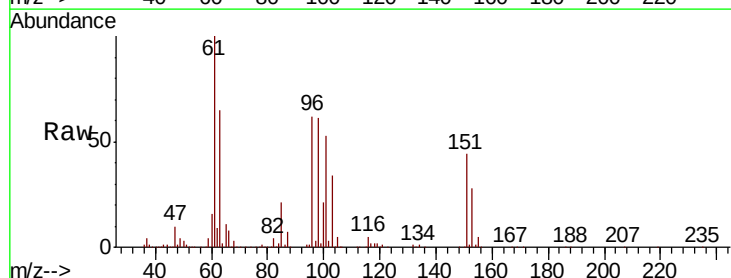
Tgt Ion: 96 Resp: 219600

Ion Ratio Lower Upper

96 100

61 161.1 115.7 214.9

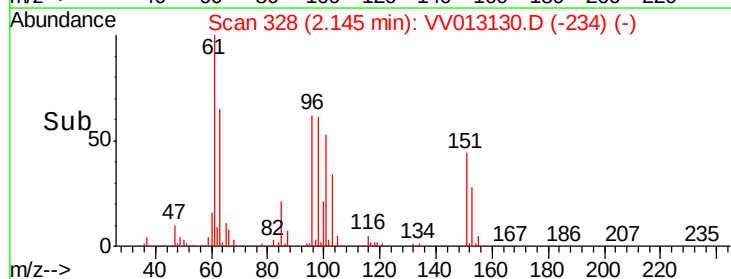
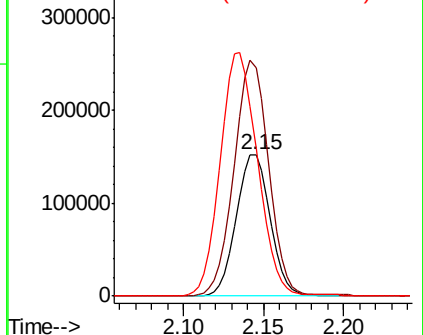
63 104.2 84.3 156.5

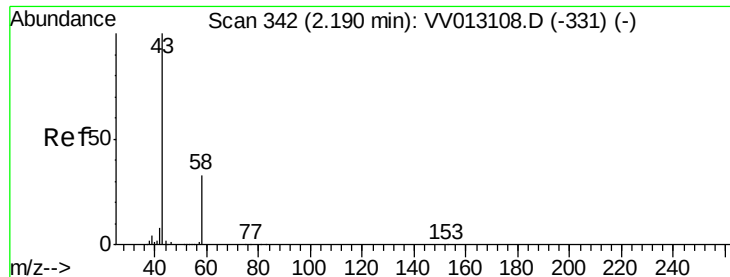


Abundance Ion 96.00 (95.70 to 96.70): VV013130.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV013130.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV013130.D (-234) (-)





#13

Acetone

Concen: 73.382 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

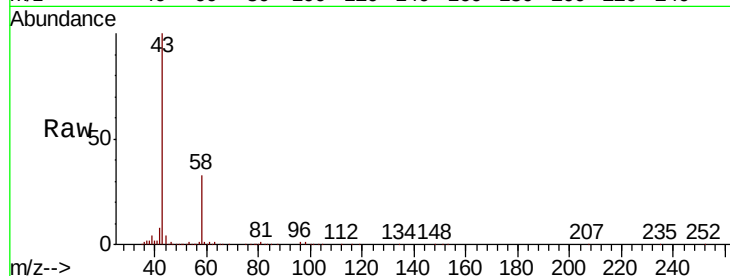
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 220840

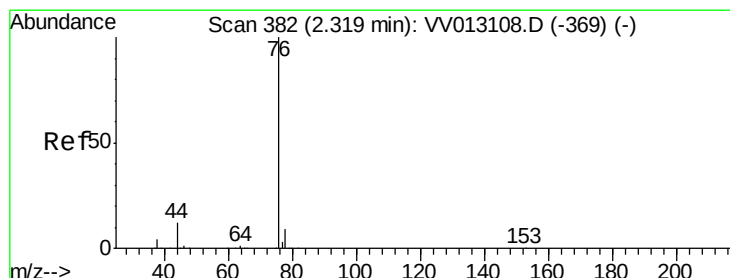
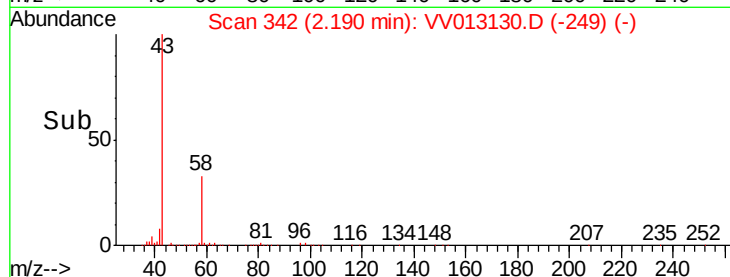
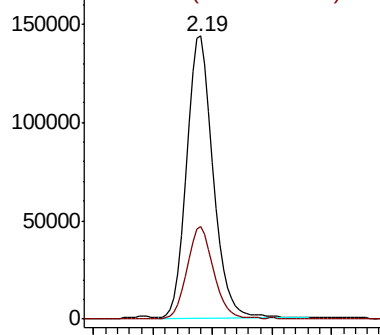
Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 49.608 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV013130.D

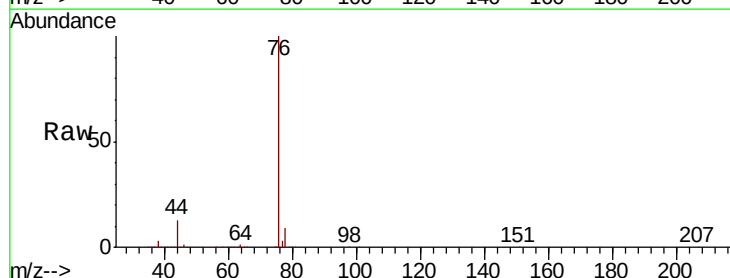
Acq: 12 Oct 2019 03:59

Tgt Ion: 76 Resp: 615272

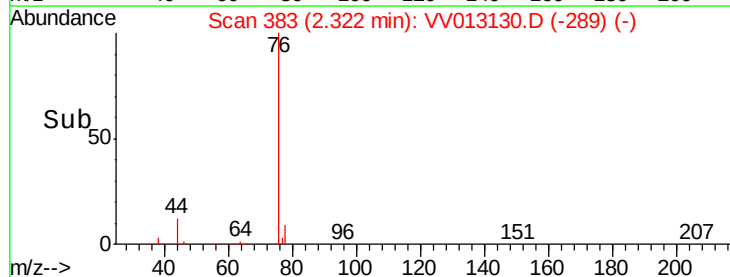
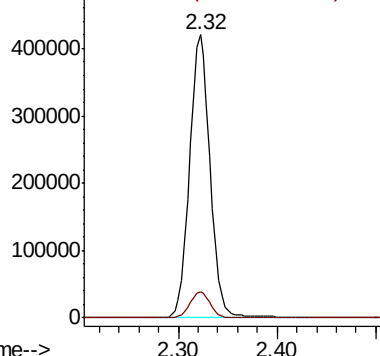
Ion Ratio Lower Upper

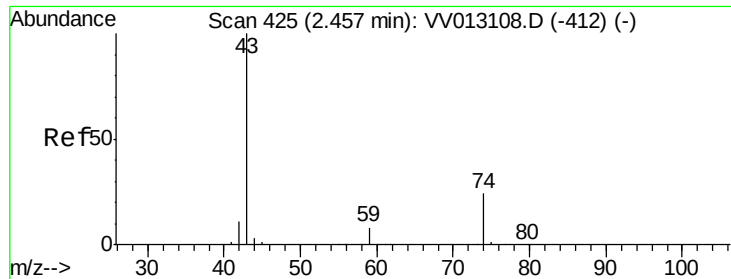
76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0
Ion 78.00 (77.70 to 78.70): VV0

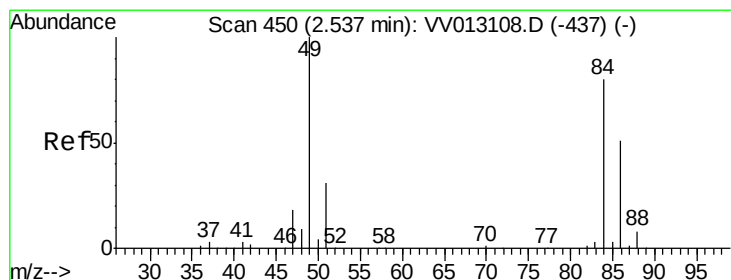
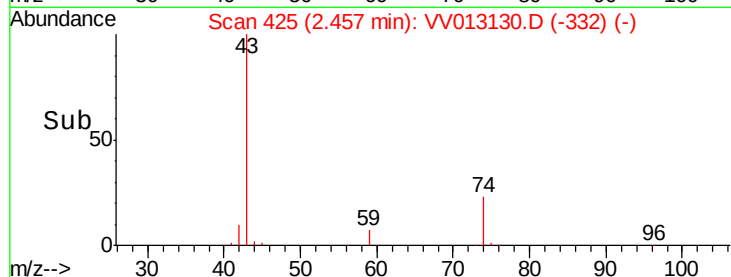
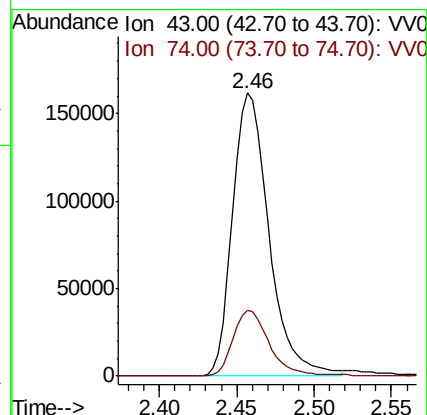
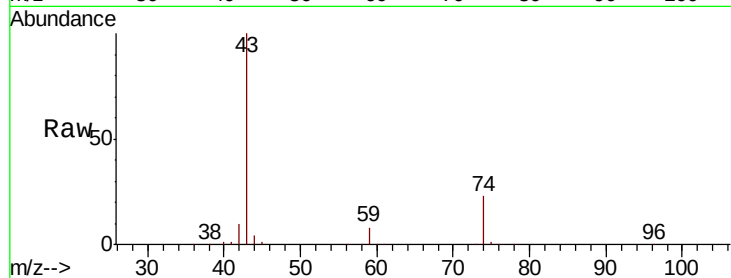




#15
Methvl Acetate
Concen: 49.393 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

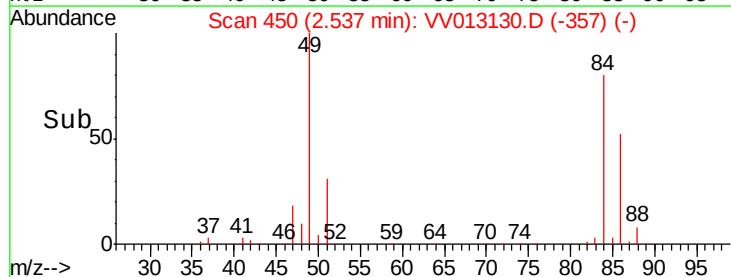
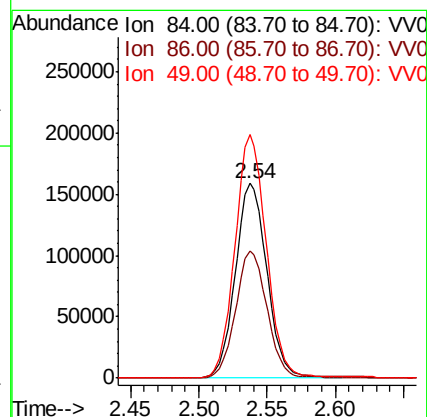
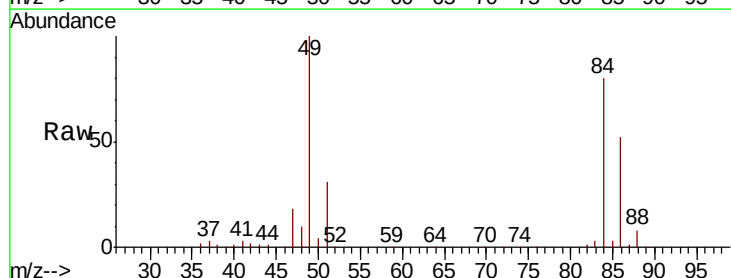
Instrument :
MSVOA_V
ClientSampleId :

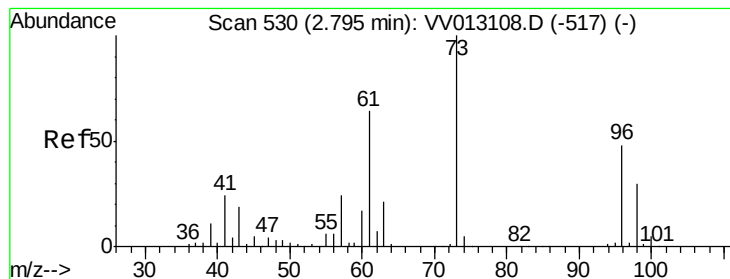
Tot Ion: 43 Resp: 263417
Ion Ratio Lower Upper
43 100
74 23.6 18.4 27.6



#16
Methylene chloride
Concen: 50.309 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Tgt Ion: 84 Resp: 255985
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.9
49 125.2 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 50.079 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

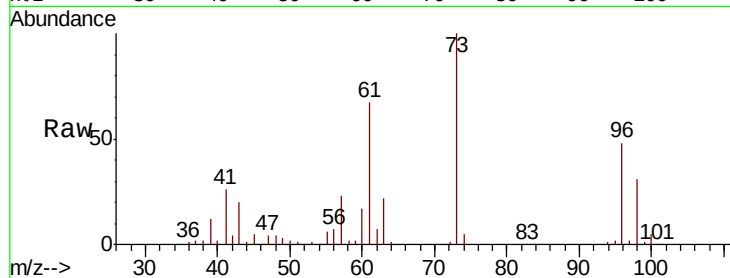
Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 232346

Ion	Ratio	Lower	Upper
96	100		
61	139.1	93.9	174.5
98	64.0	43.9	81.5

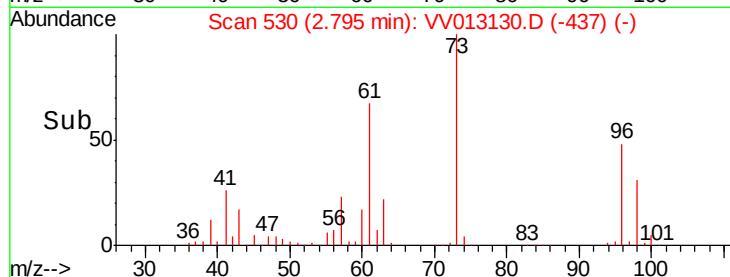


Abundance

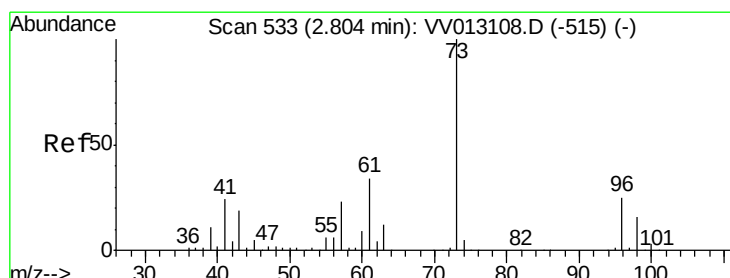
Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



Time-->



#18

Methyl tert-butyl Ether

Concen: 50.626 ug/L

RT: 2.80 min Scan# 533

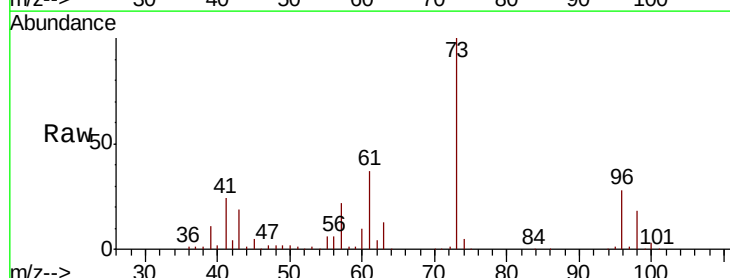
Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Tgt Ion: 73 Resp: 708955

Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.0	22.6
57	22.7	18.2	27.2

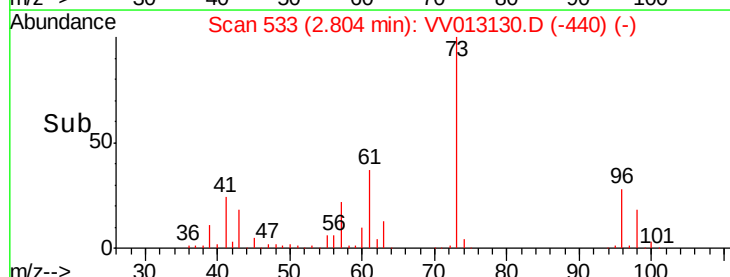


Abundance

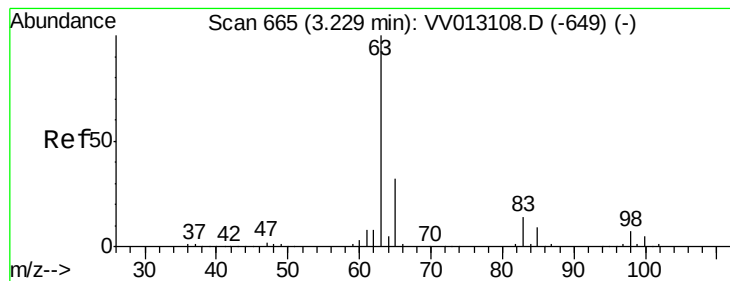
Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



Time-->



#19

1,1-Dichloroethane

Concen: 51.391 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampled :

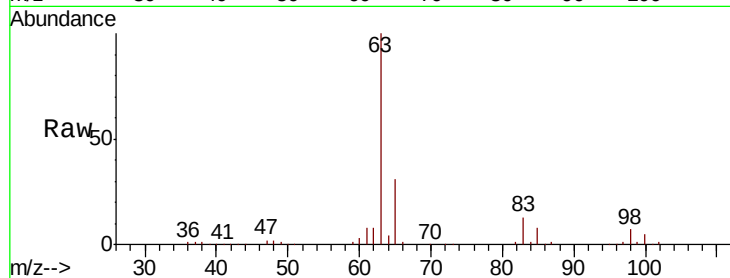
Tot Ion: 63 Resp: 449756

Ion Ratio Lower Upper

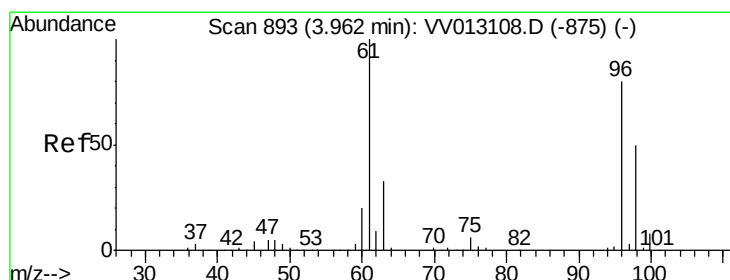
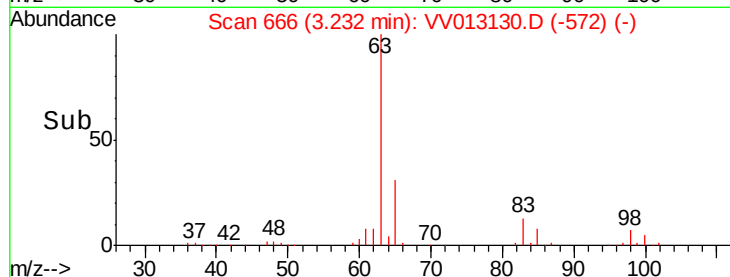
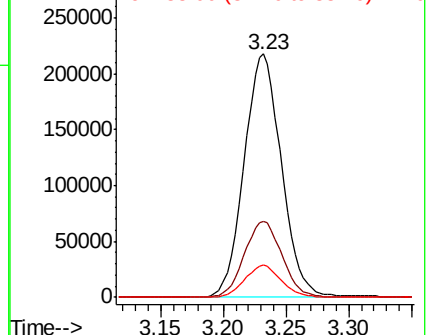
63 100

65 31.4 22.1 41.1

83 13.1 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.359 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

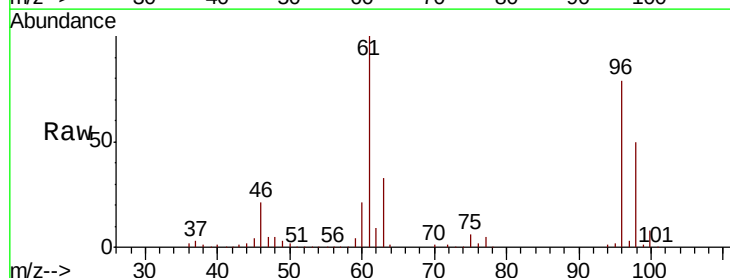
Tgt Ion: 96 Resp: 264428

Ion Ratio Lower Upper

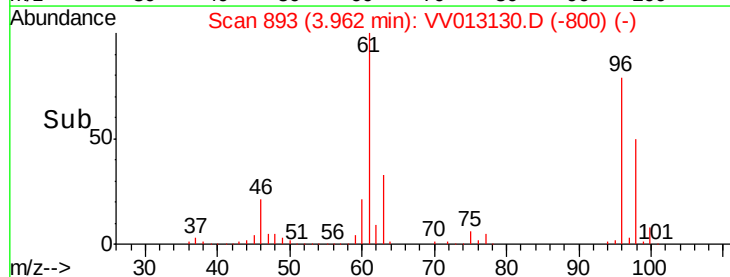
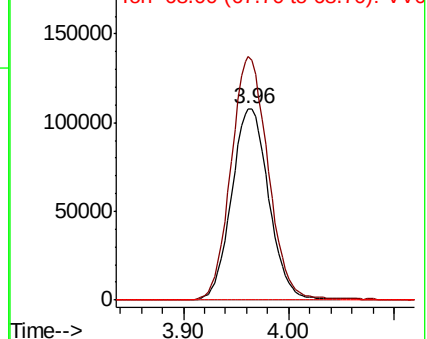
96 100

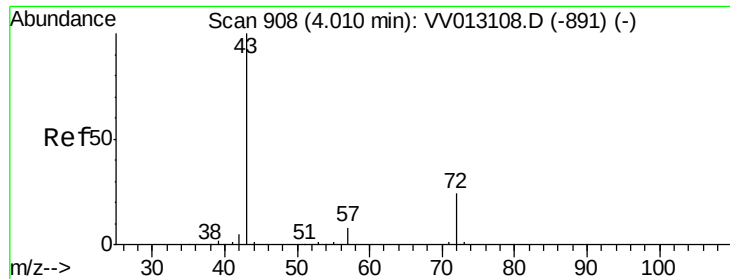
61 127.1 87.5 162.5

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: 93.777 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

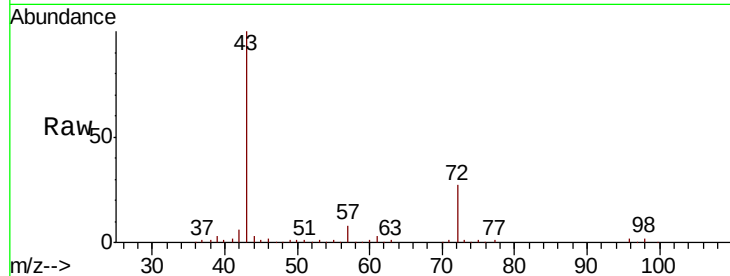
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 359212

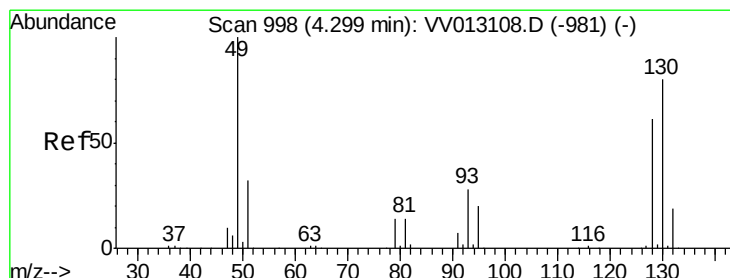
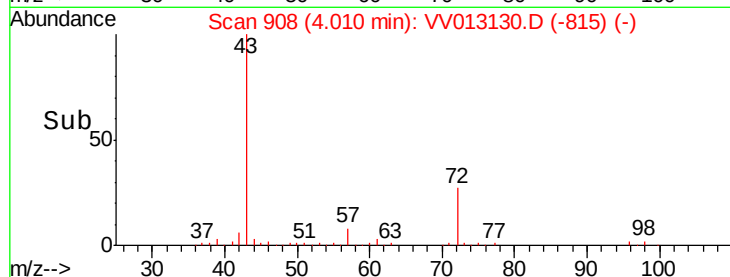
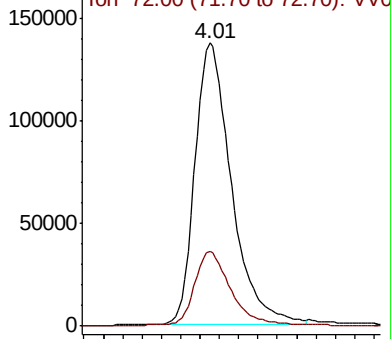
Ion Ratio Lower Upper

43 100

72 27.3 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013130.D (-905) (-)



#23

Bromochloromethane

Concen: 51.080 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Tgt Ion: 128 Resp: 136226

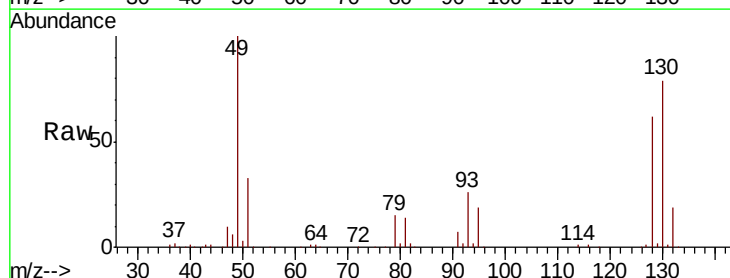
Ion Ratio Lower Upper

128 100

49 162.2 114.0 211.6

130 128.1 90.8 168.6

51 54.0 41.0 61.4



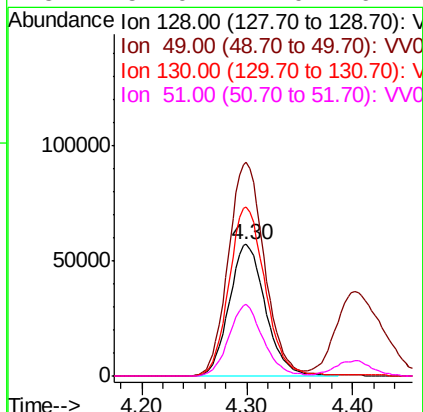
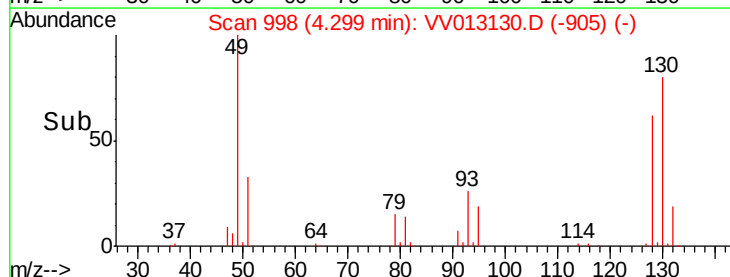
Abundance Ion 128.00 (127.70 to 128.70): VV013130.D (-905) (-)

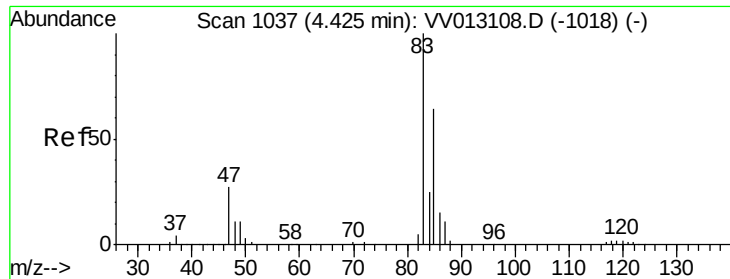
Ion 49.00 (48.70 to 49.70): VV013130.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV013130.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV013130.D (-905) (-)

Time-->

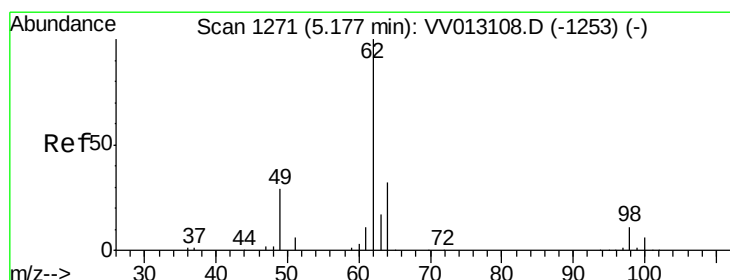
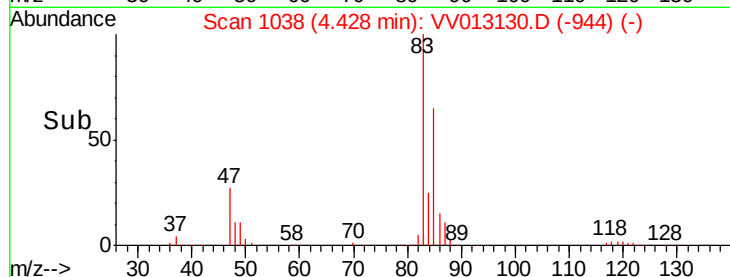
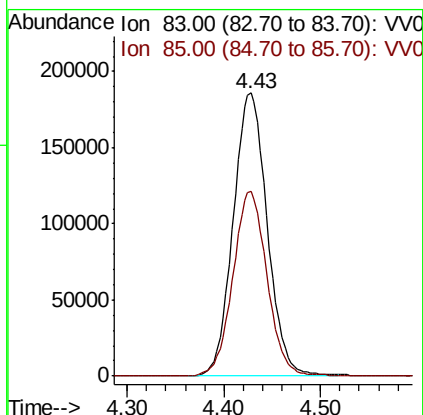
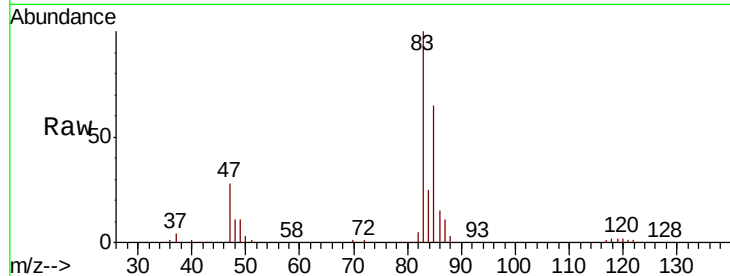




#25
Chloroform
Concen: 51.502 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

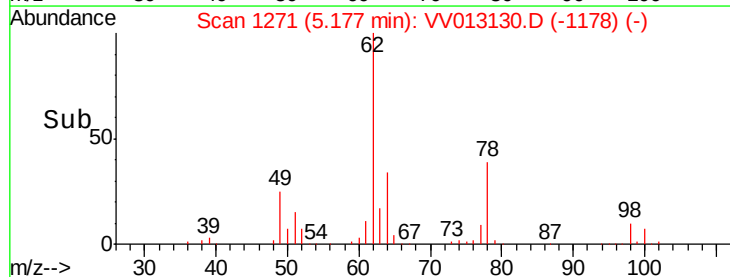
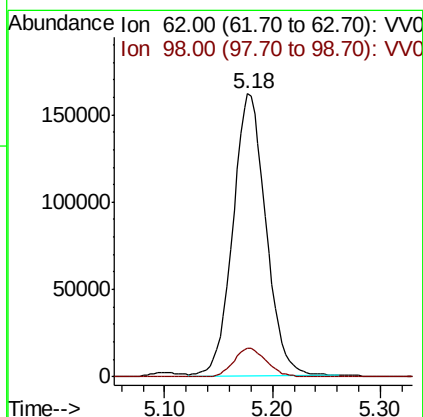
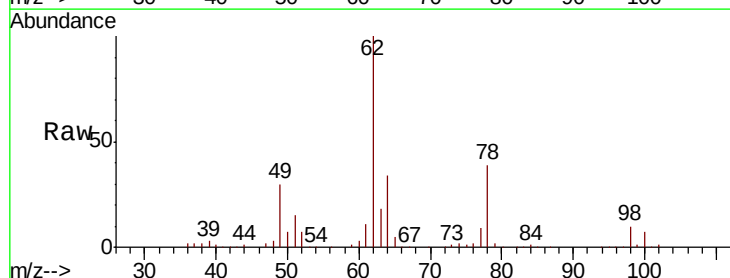
Instrument :
MSVOA_V
ClientSampleId :

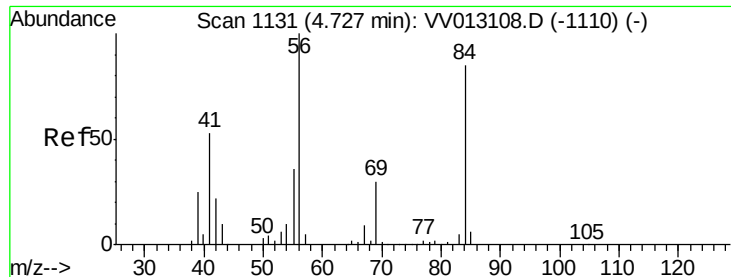
Tot Ion: 83 Resp: 454146
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.883 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Tgt Ion: 62 Resp: 343943
Ion Ratio Lower Upper
62 100
98 10.1 8.3 12.5

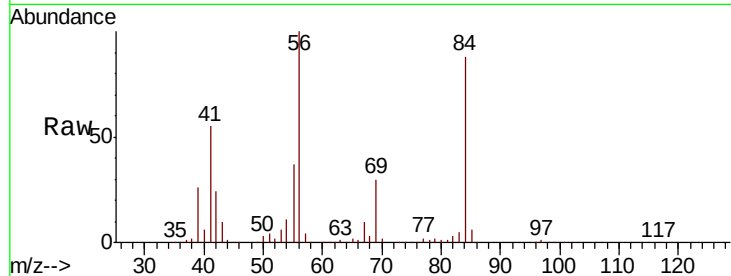




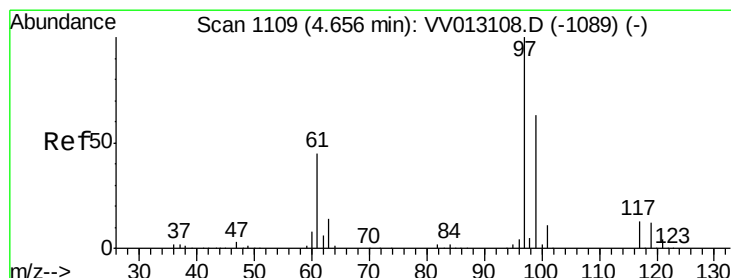
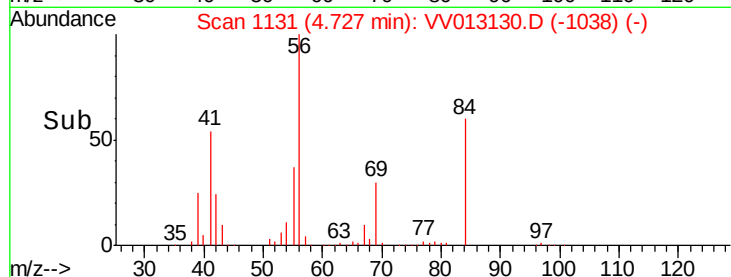
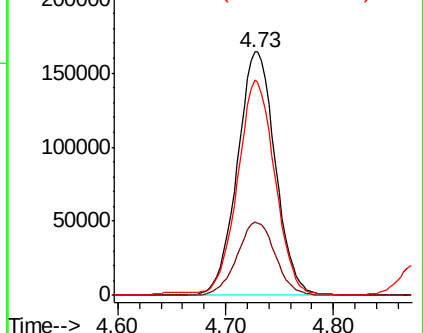
#29
Cyclohexane
Concen: 51.062 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 401342
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.4
84 86.7 69.9 104.9

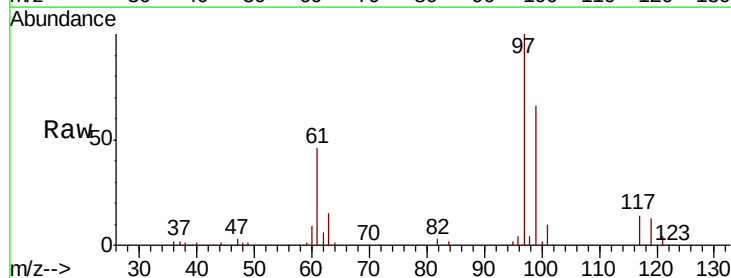


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

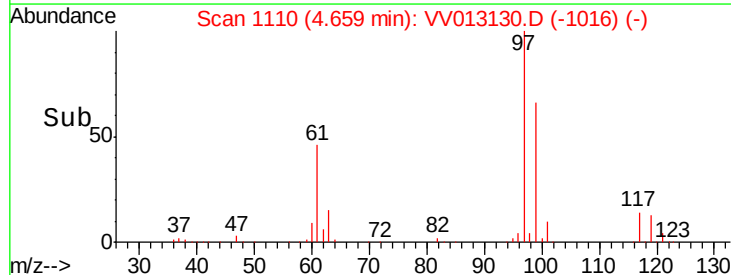
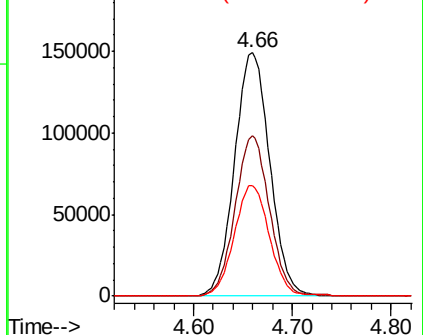


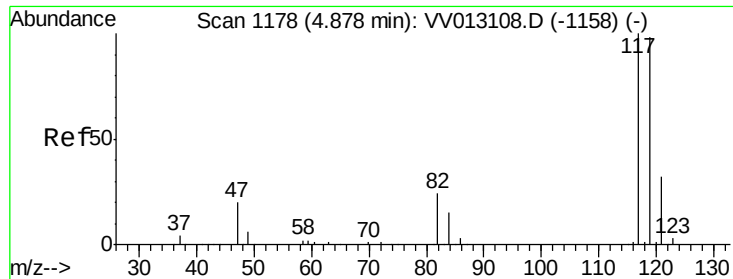
#30
1,1,1-Trichloroethane
Concen: 50.937 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Tgt Ion: 97 Resp: 370928
Ion Ratio Lower Upper
97 100
99 64.0 51.9 77.9
61 45.4 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.693 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

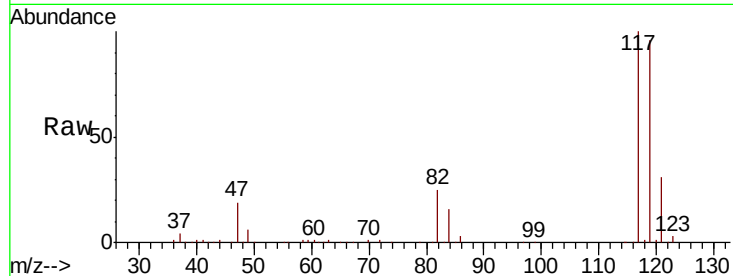
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 328024

Ion Ratio Lower Upper

117 100

119 96.6 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

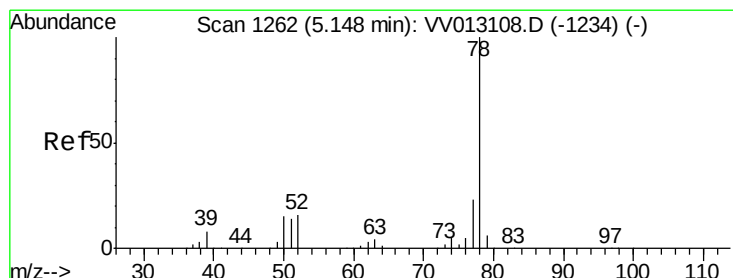
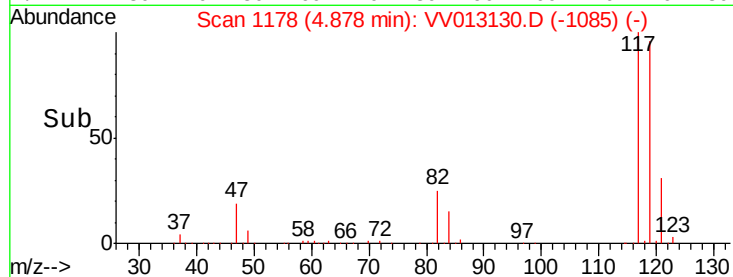
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 51.378 ug/L

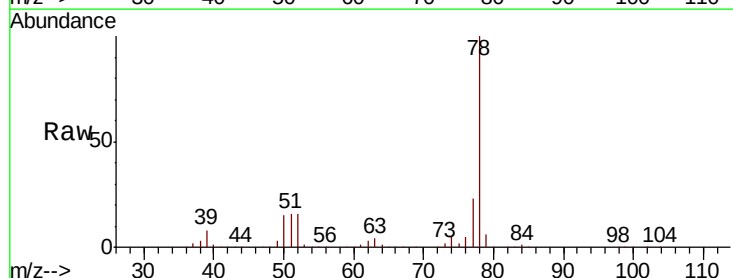
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Tgt Ion: 78 Resp: 1027021



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

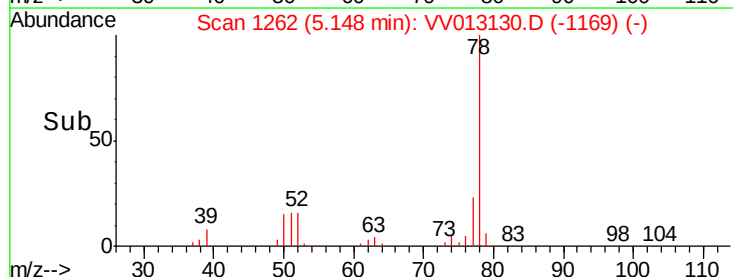
300000

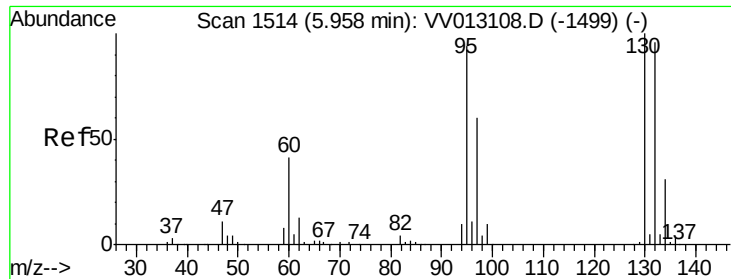
200000

100000

0

Time-->

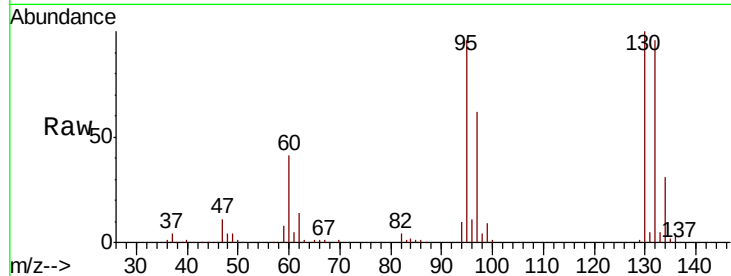




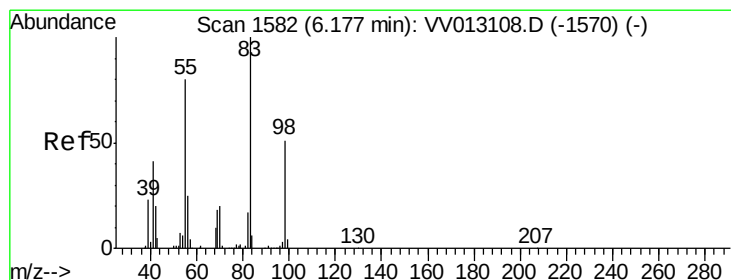
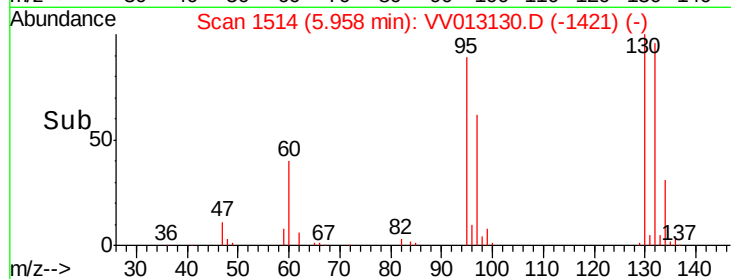
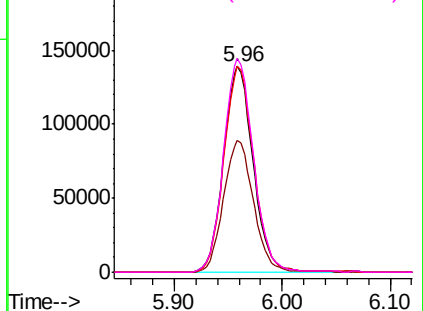
#34
 Trichloroethene
 Concen: 49.960 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 265903
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 82.9
 132 100.0 71.4 132.6
 130 103.8 74.2 137.8

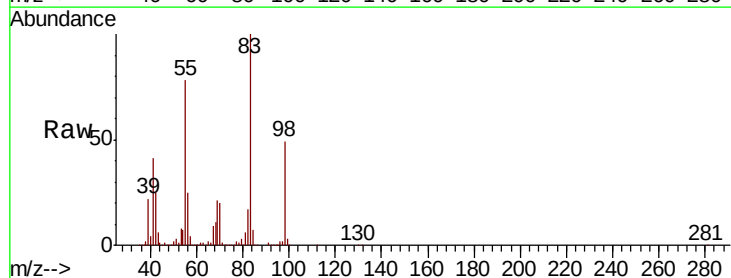


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

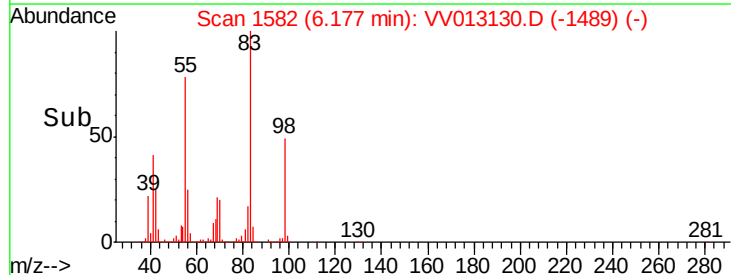
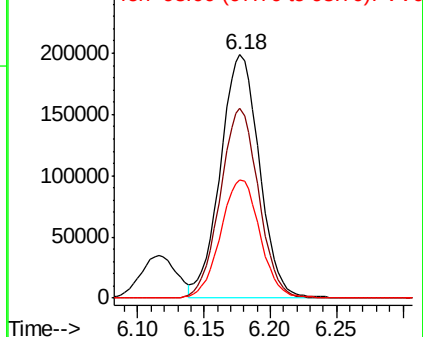


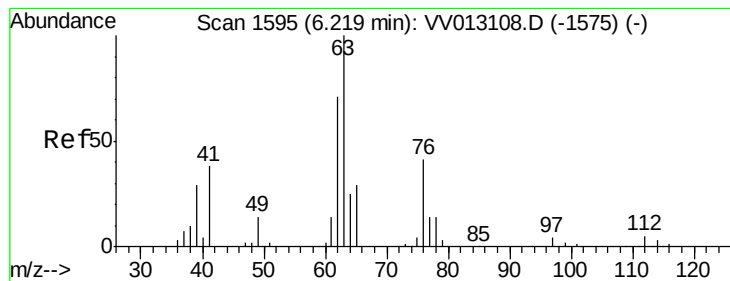
#35
 Methylcyclohexane
 Concen: 50.166 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

Tgt Ion: 83 Resp: 403880
 Ion Ratio Lower Upper
 83 100
 55 76.6 61.2 91.8
 98 49.2 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.931 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

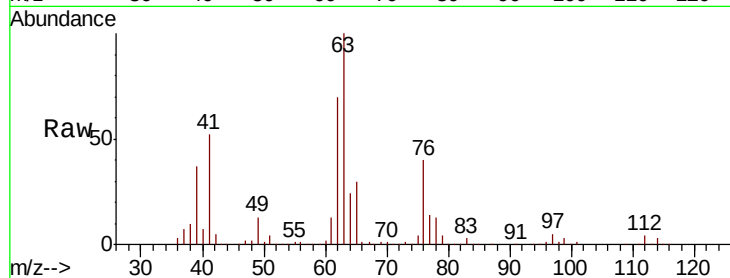
ClientSampled :

Tot Ion: 63 Resp: 263621

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

150000

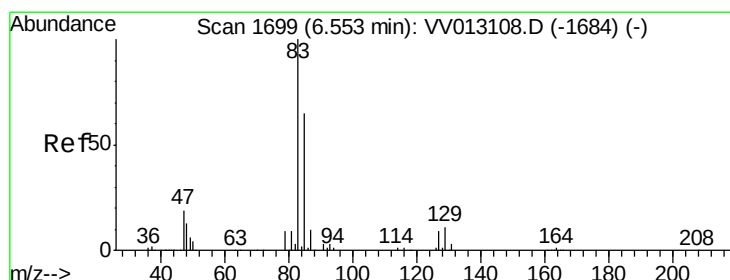
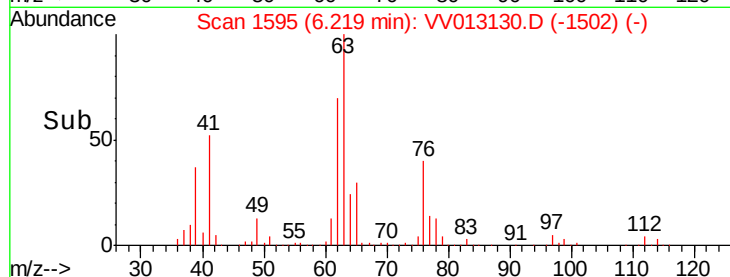
100000

50000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.994 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

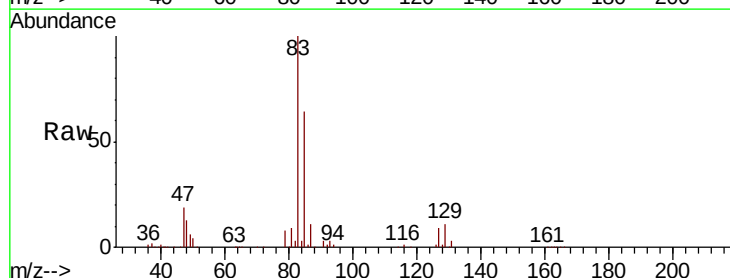
Tgt Ion: 83 Resp: 335855

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.0

127 8.8 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

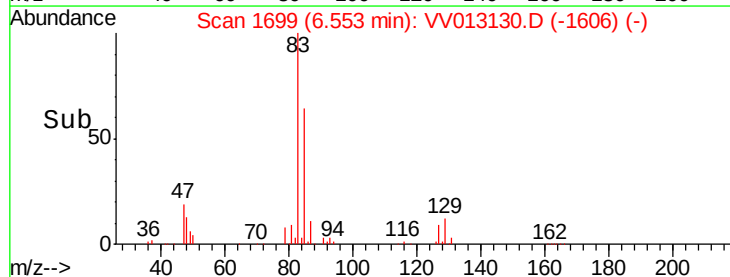
100000

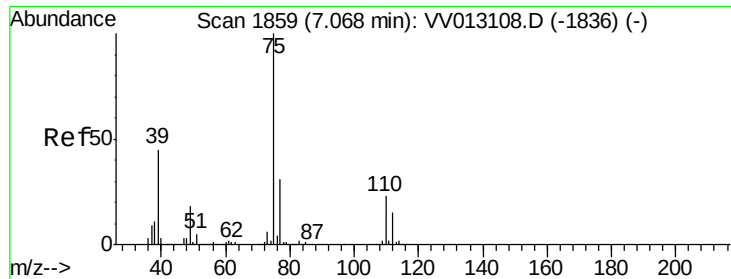
50000

0

6.50 6.55 6.60 6.70

Time-->

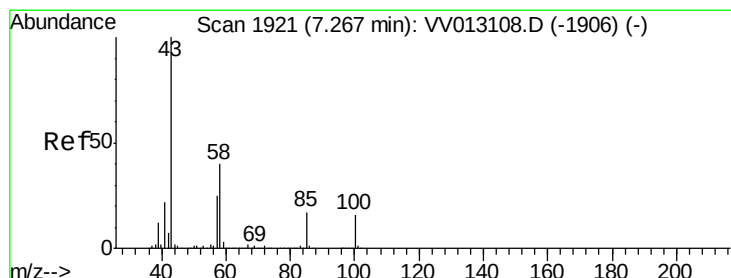
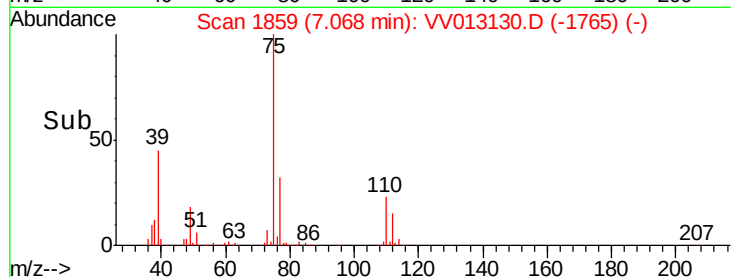
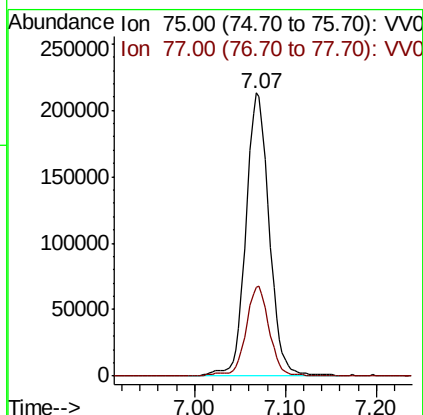
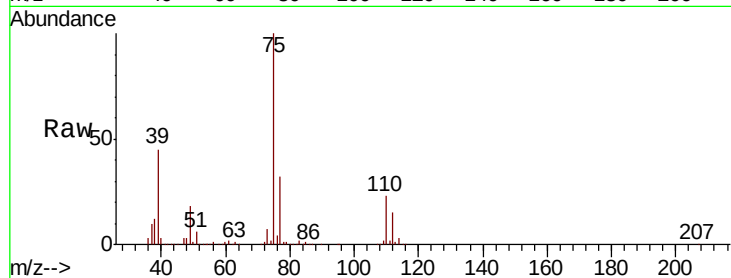




#39
 cis-1,3-Dichloropropene
 Concen: 49.776 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

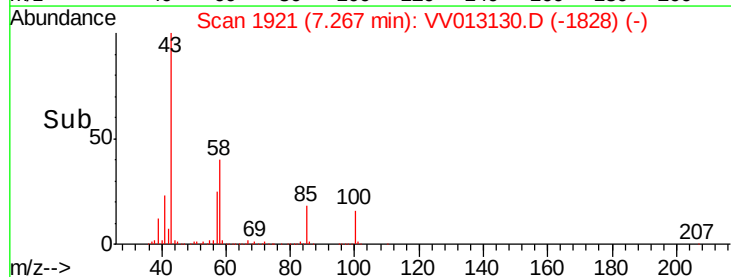
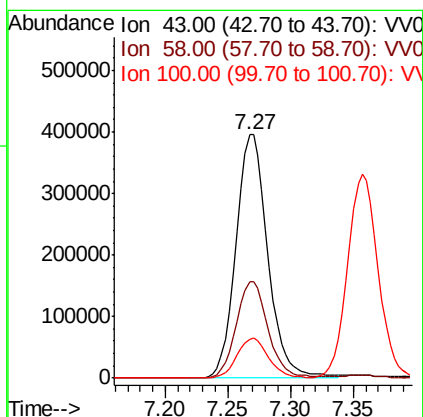
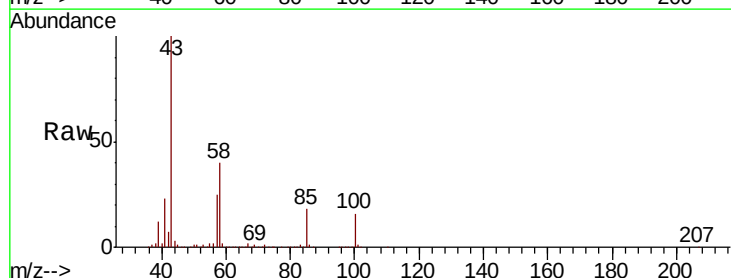
Instrument :
 MSVOA_V
 ClientSampleId :

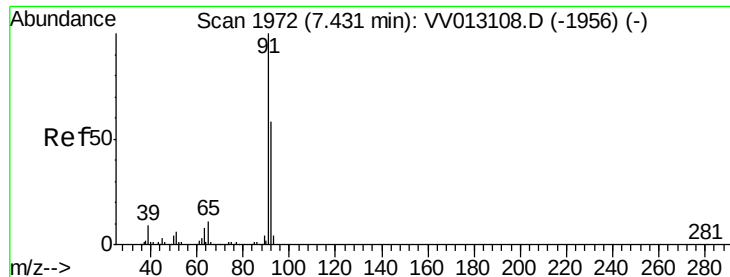
Tot Ion: 75 Resp: 381053
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 102.896 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

Tgt Ion: 43 Resp: 697199
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.0 48.0
 100 16.3 12.7 19.1





#42

Toluene

Concen: 52.508 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

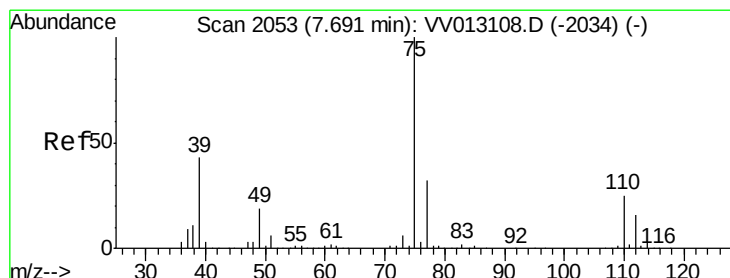
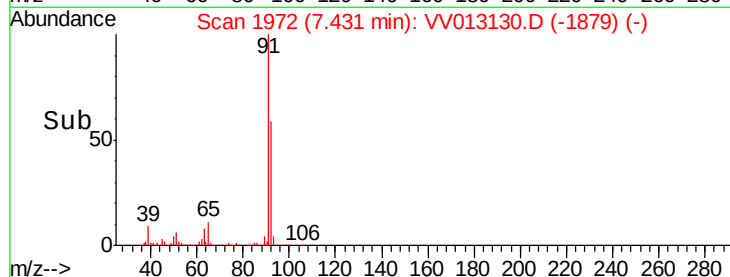
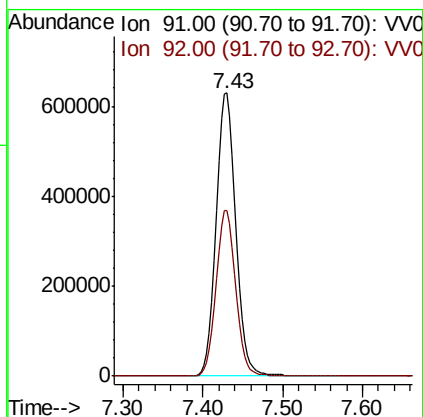
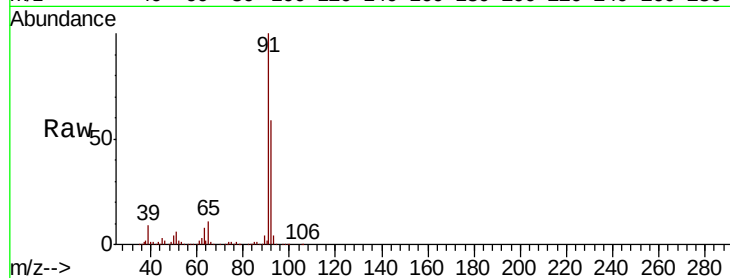
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1080525

Ion Ratio Lower Upper

91 100

92 58.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 49.303 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013130.D

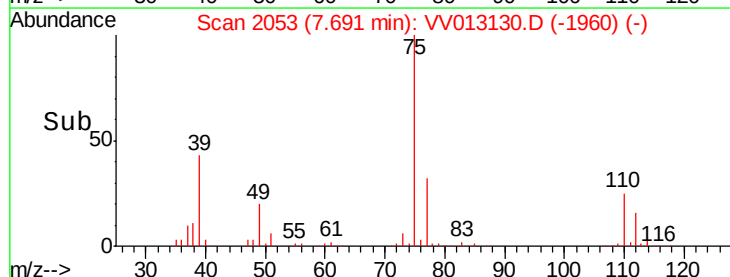
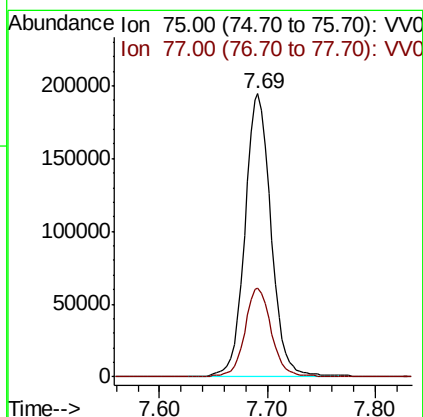
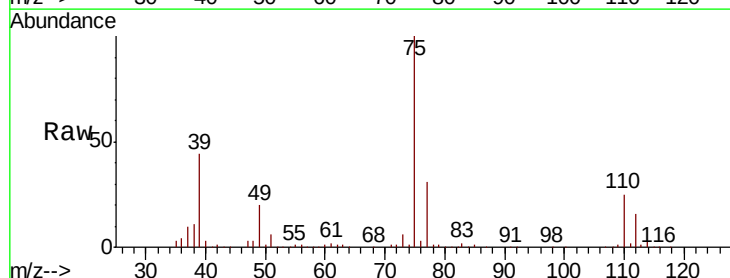
Acq: 12 Oct 2019 03:59

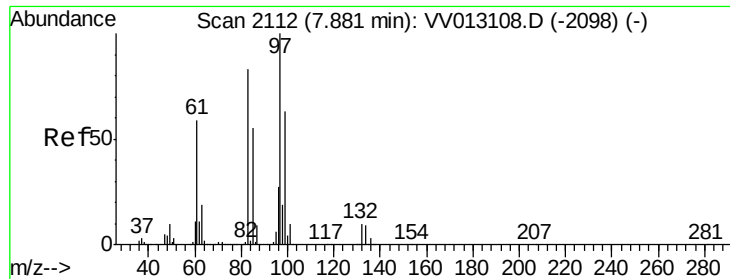
Tgt Ion: 75 Resp: 327177

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

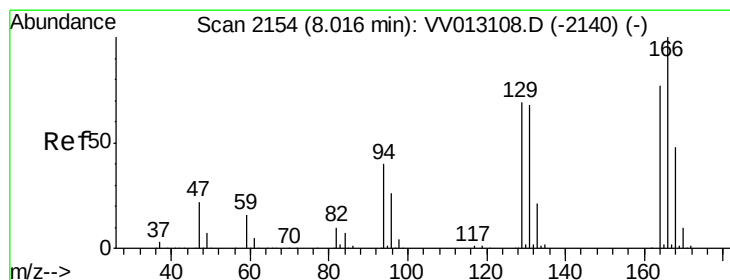
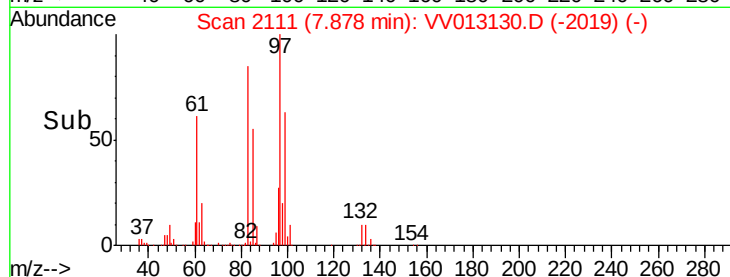
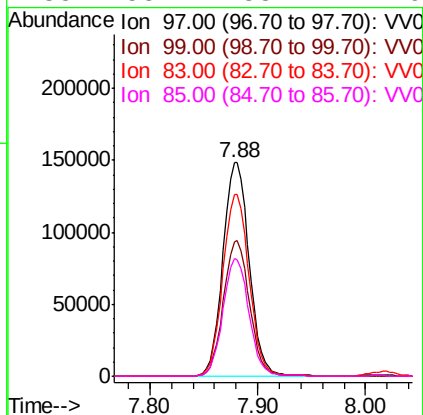
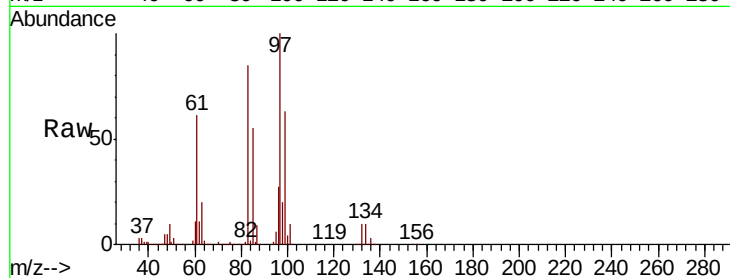




#45
 1,1,2-Trichloroethane
 Concen: 51.338 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

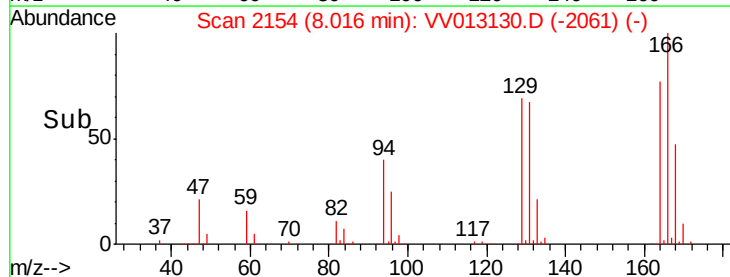
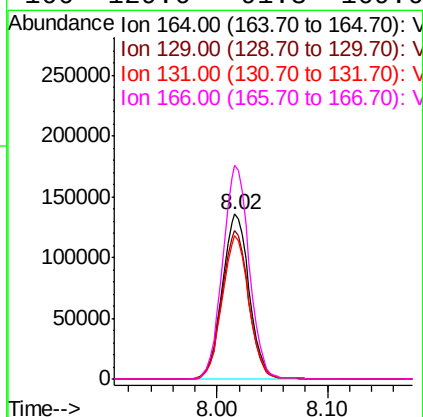
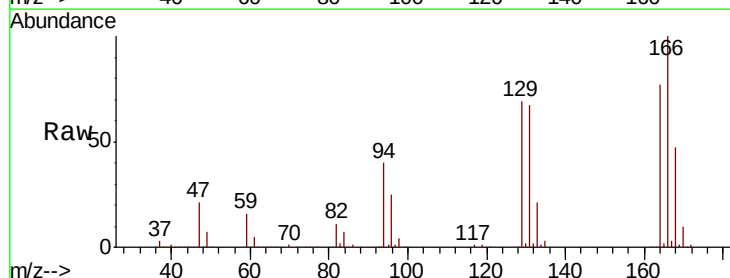
Instrument :
 MSVOA_V
 ClientSampleId :

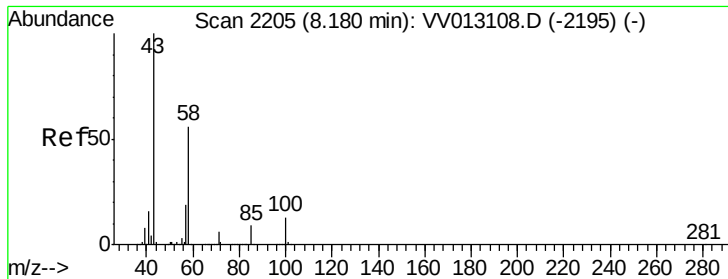
Tot Ion:	97	Resp:	252288
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.4	82.5
83	85.0	58.2	108.0
85	55.2	38.7	71.9



#46
 Tetrachloroethene
 Concen: 54.545 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013130.D
 Acq: 12 Oct 2019 03:59

Tgt Ion:	164	Resp:	229833
Ion	Ratio	Lower	Upper
164	100		
129	90.0	63.1	117.1
131	86.8	62.4	116.0
166	129.6	91.3	169.6

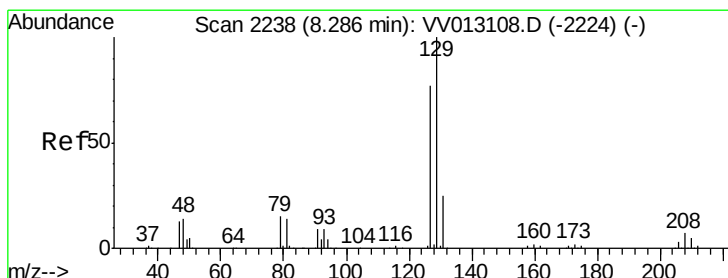
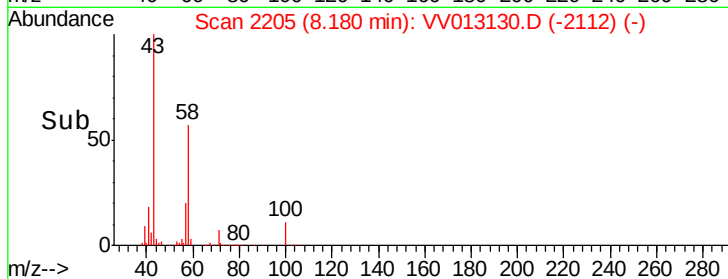
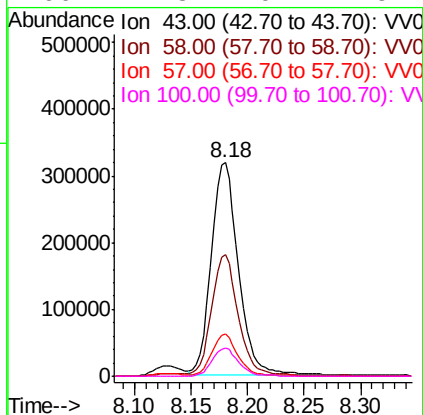
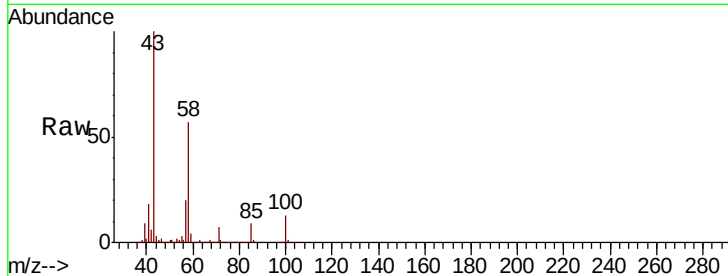




#48
2-Hexanone
Concen: 101.032 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

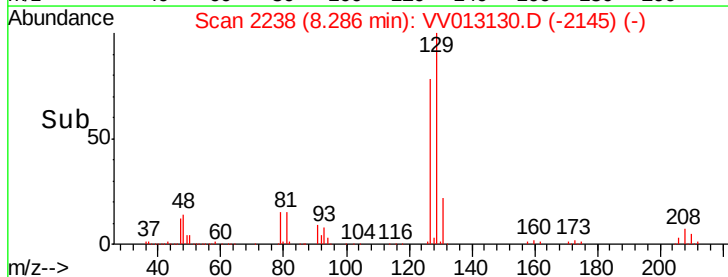
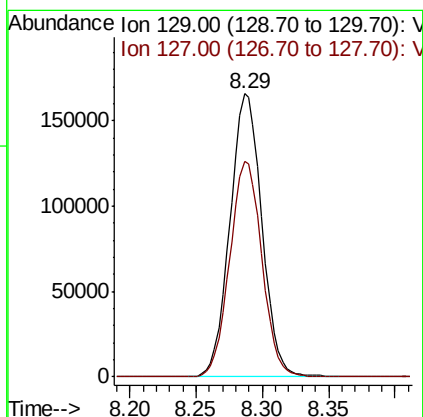
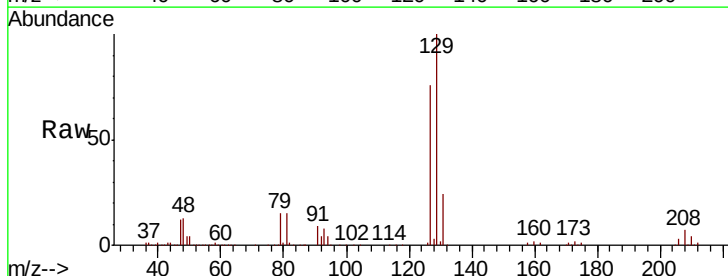
Instrument :
MSVOA_V
ClientSampleId :

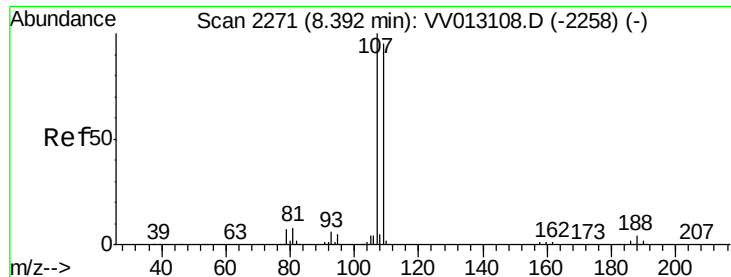
Tot Ion: 43 Resp: 529371
Ion Ratio Lower Upper
43 100
58 56.5 44.9 67.3
57 19.7 15.0 22.6
100 12.8 10.2 15.2



#49
Dibromochloromethane
Concen: 51.748 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Tgt Ion: 129 Resp: 277150
Ion Ratio Lower Upper
129 100
127 76.3 54.0 100.4

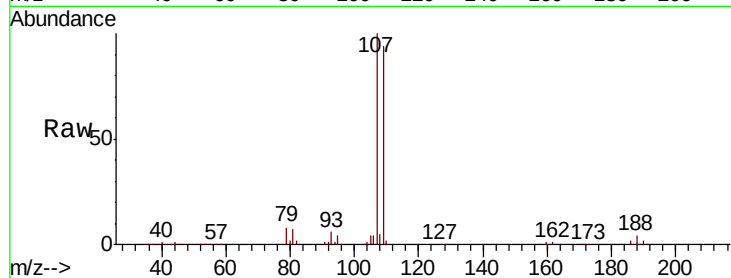




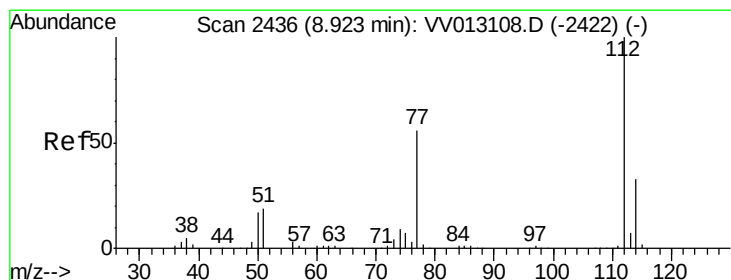
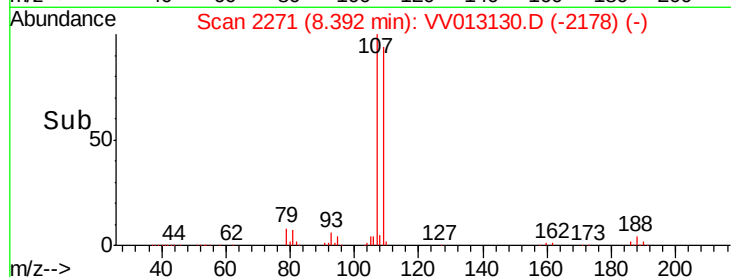
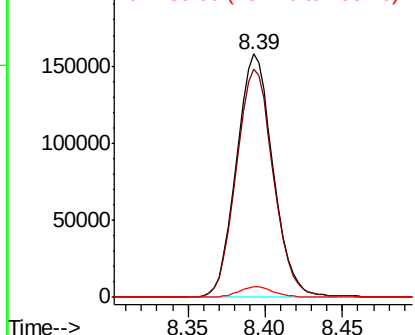
#50
1,2-Dibromoethane
Concen: 50.445 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.6	123.6
188	4.2	3.4	5.2

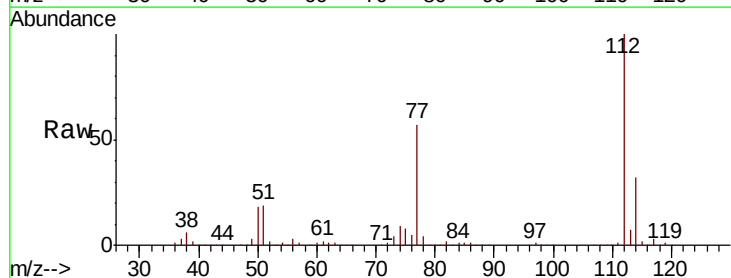


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

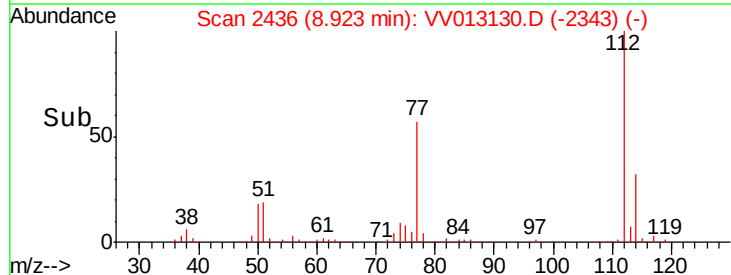
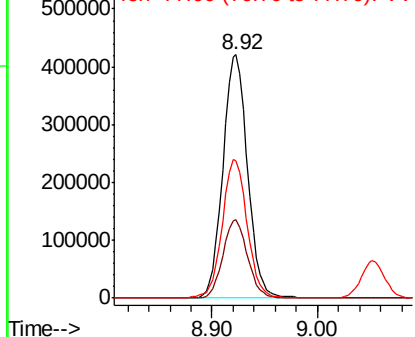


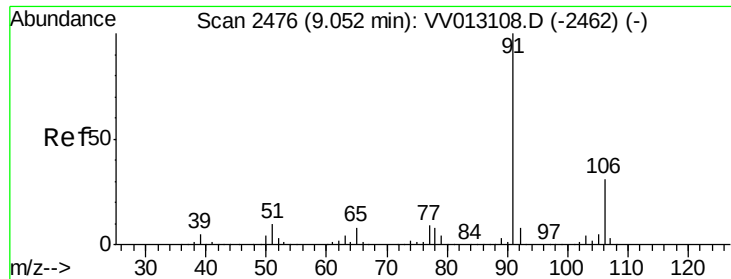
#51
Chlorobenzene
Concen: 50.333 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013130.D
Acq: 12 Oct 2019 03:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.8	42.4
77	56.6	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: 52.191 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

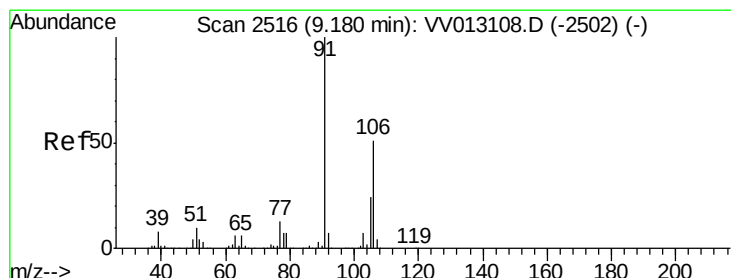
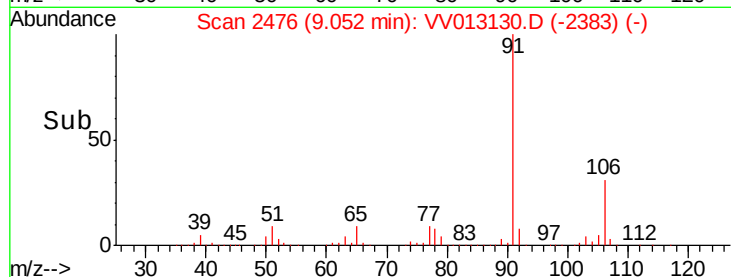
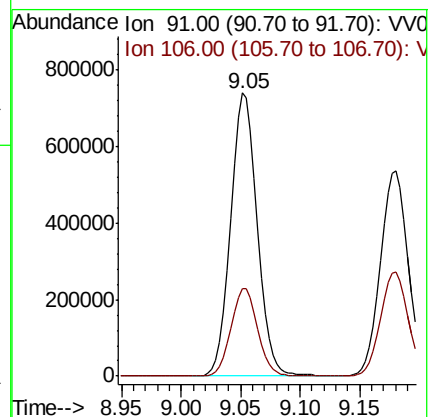
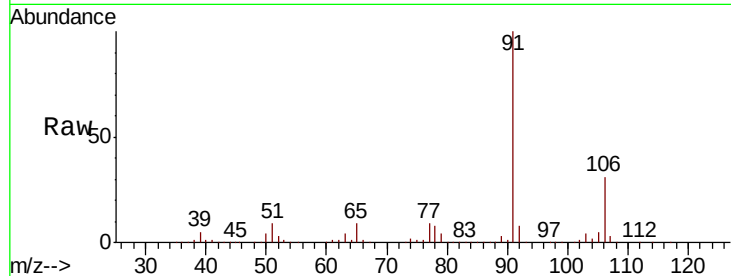
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1147196

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



#53

m,p-Xylene

Concen: 53.424 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV013130.D

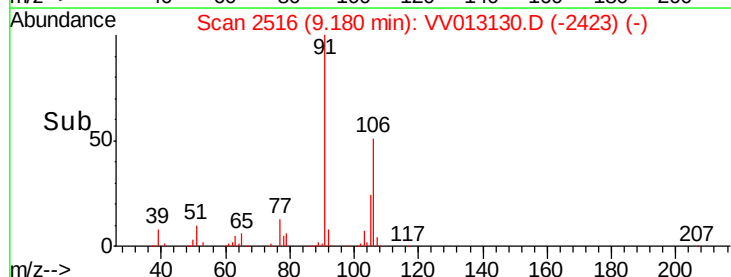
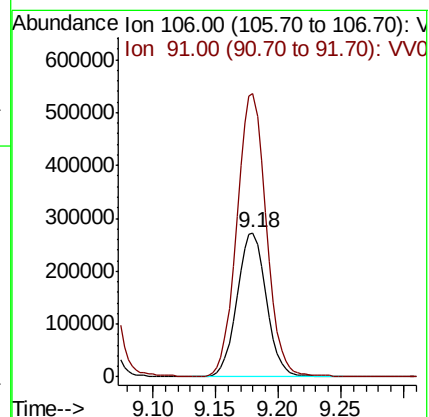
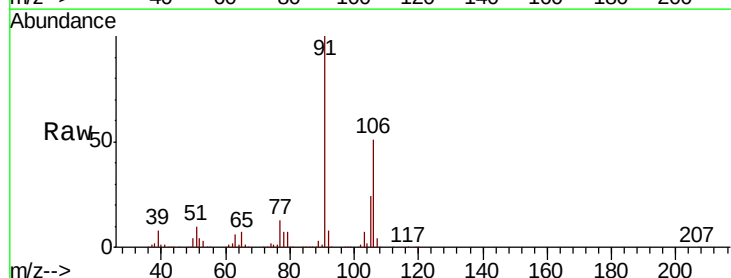
Acq: 12 Oct 2019 03:59

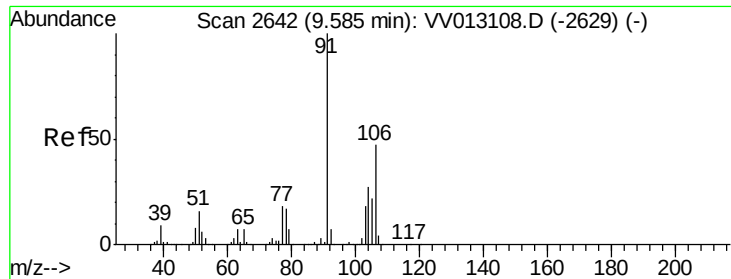
Tgt Ion: 106 Resp: 441796

Ion Ratio Lower Upper

106 100

91 196.8 137.8 255.8





#54

o-xylene

Concen: 51.981 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

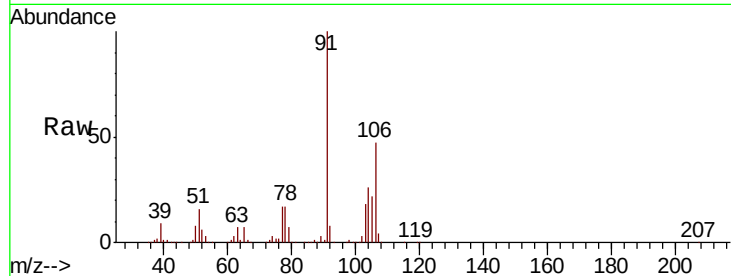
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 430673

Ion Ratio Lower Upper

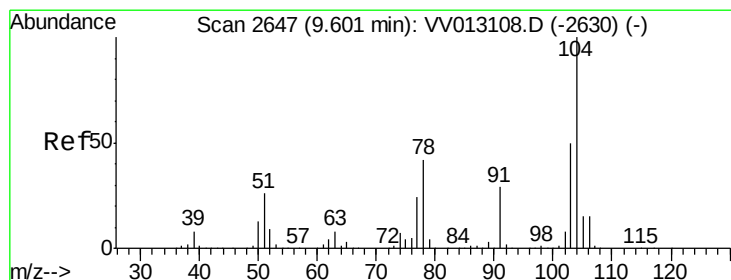
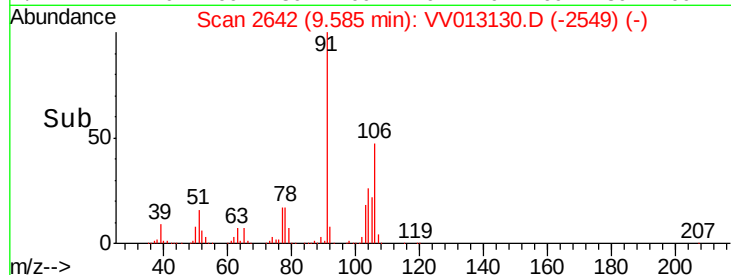
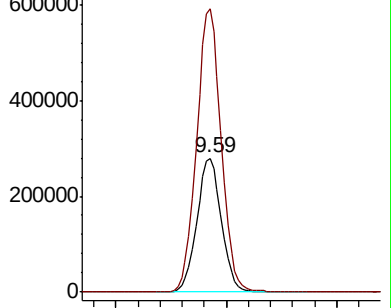
106 100

91 211.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.817 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013130.D

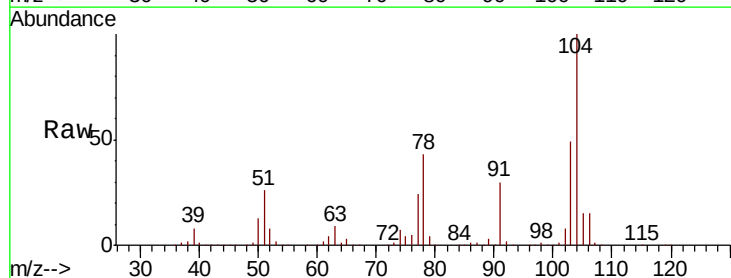
Acq: 12 Oct 2019 03:59

Tgt Ion:104 Resp: 732253

Ion Ratio Lower Upper

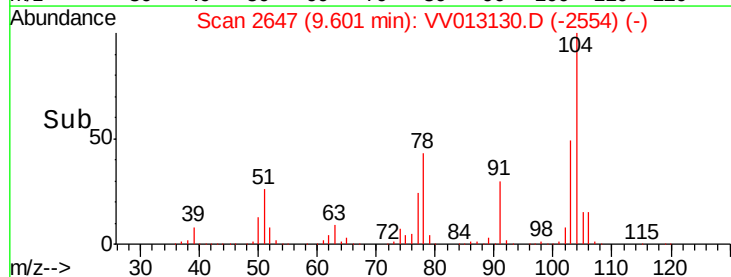
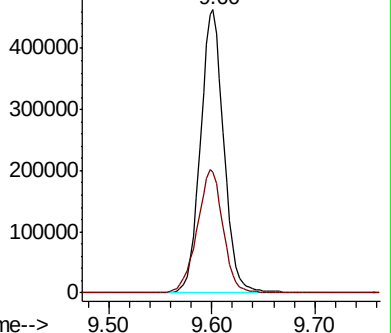
104 100

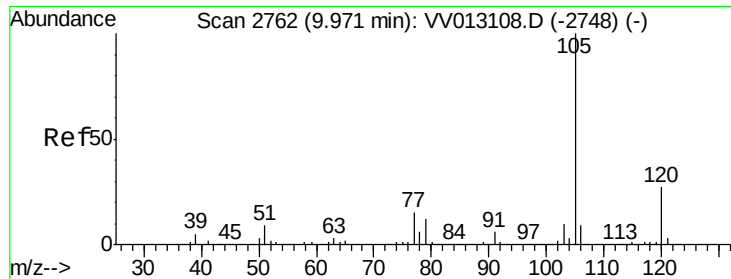
78 42.7 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.004 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

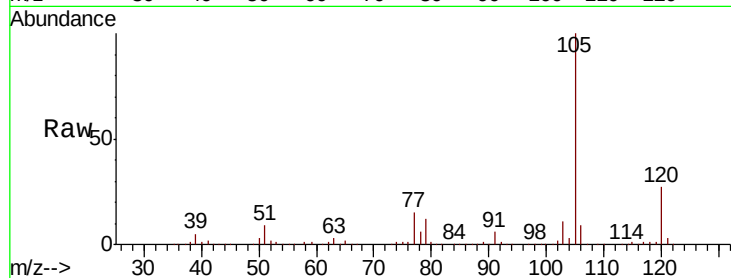
Tot Ion:105 Resp: 1127639

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

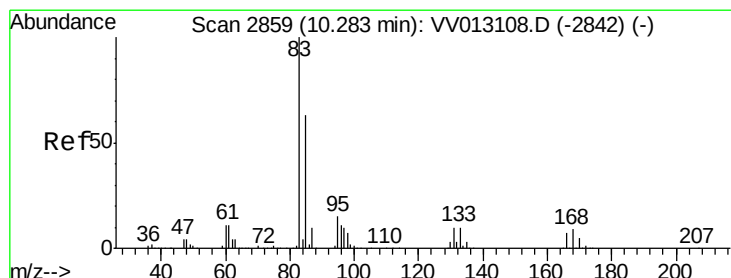
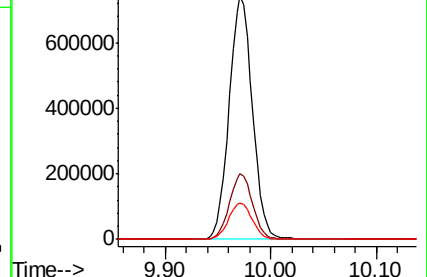
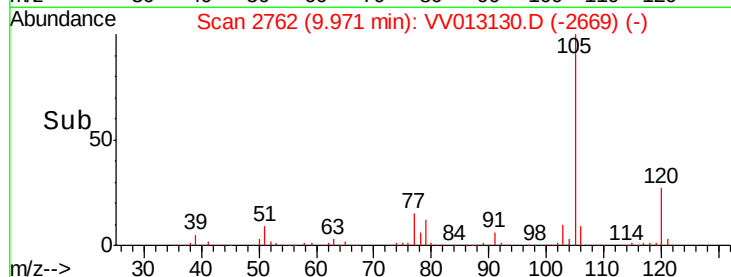
77 15.2 12.1 18.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.358 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

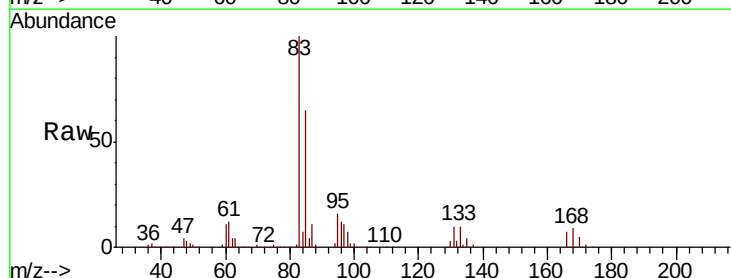
Tgt Ion: 83 Resp: 366902

Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

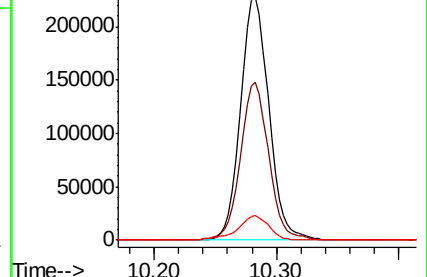
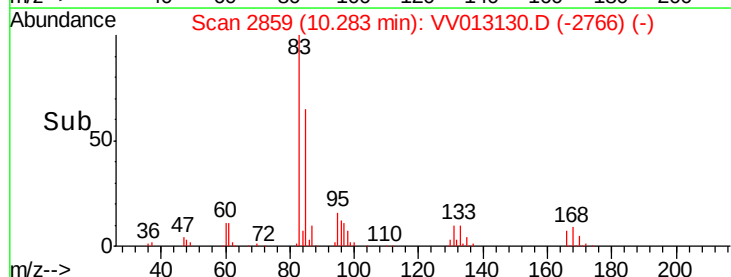
131 10.0 8.1 12.1

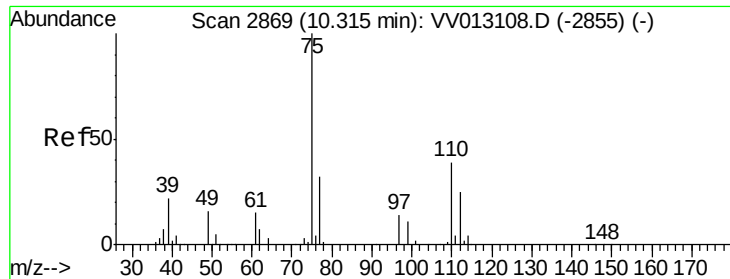


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.926 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

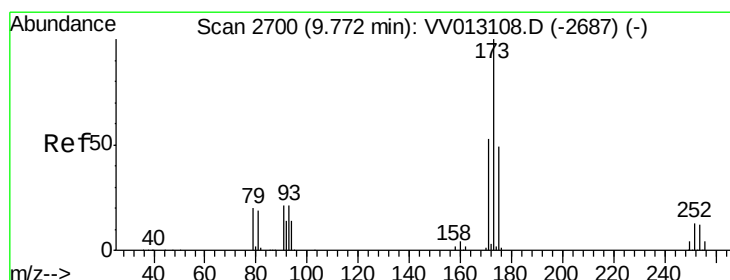
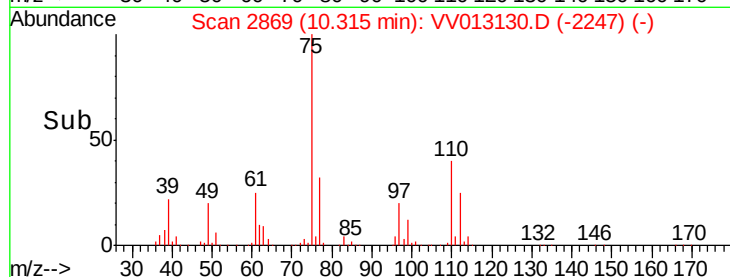
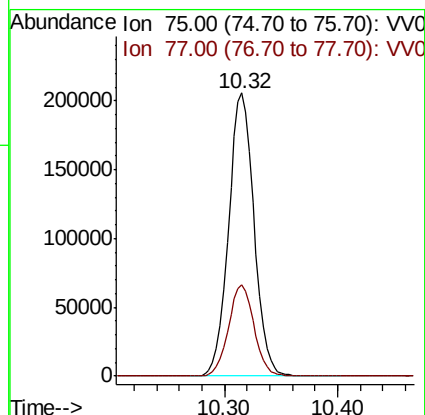
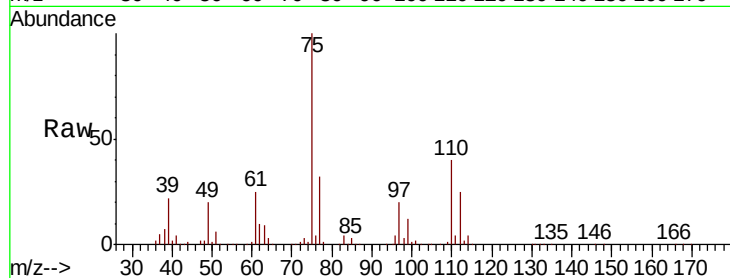
ClientSampled :

Tot Ion: 75 Resp: 320905

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 49.871 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

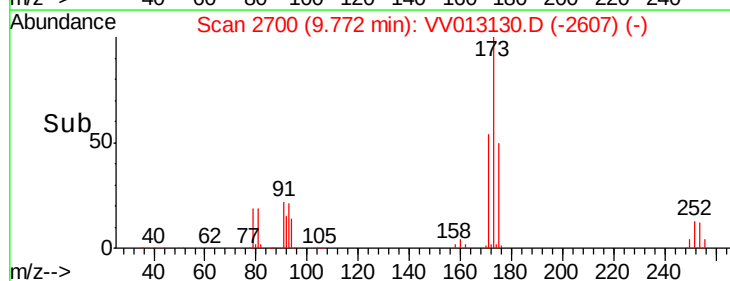
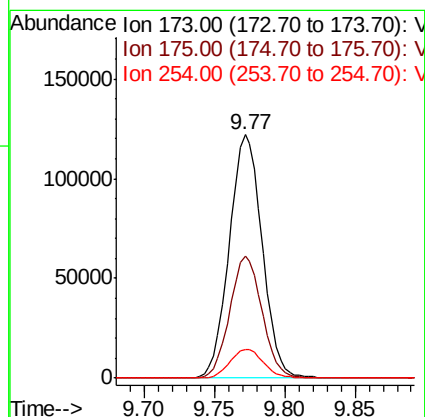
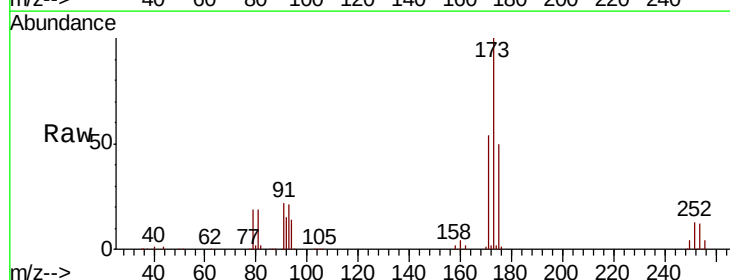
Tgt Ion: 173 Resp: 199124

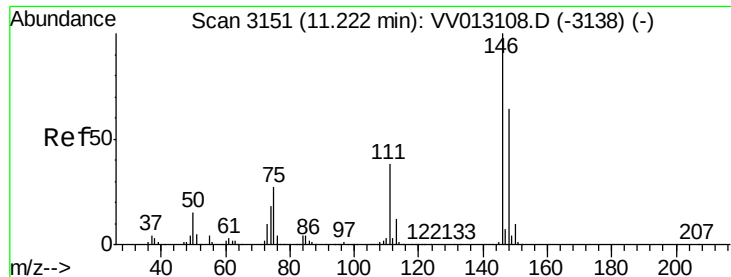
Ion Ratio Lower Upper

173 100

175 49.4 38.8 58.2

254 12.1 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 49.354 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

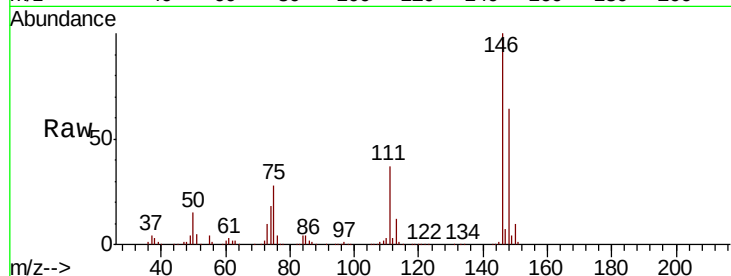
Tot Ion:146 Resp: 506423

Ion Ratio Lower Upper

146 100

111 37.2 26.6 49.4

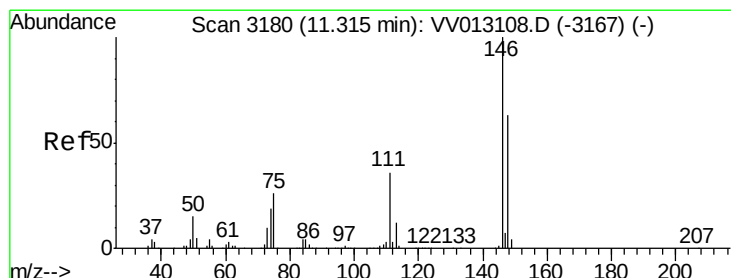
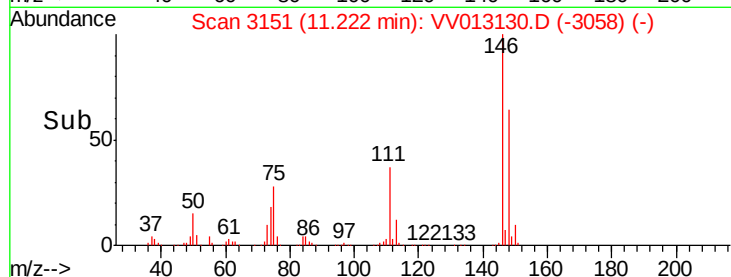
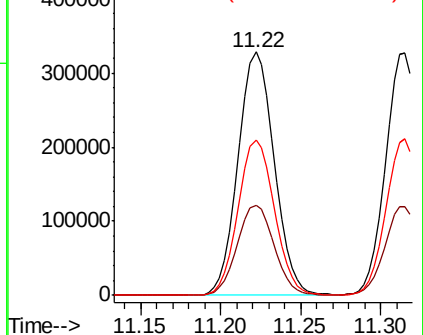
148 64.0 44.6 82.8



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: 49.020 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

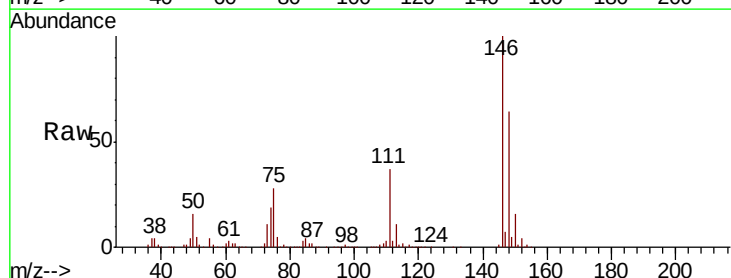
Tgt Ion:146 Resp: 505106

Ion Ratio Lower Upper

146 100

111 36.8 25.4 47.2

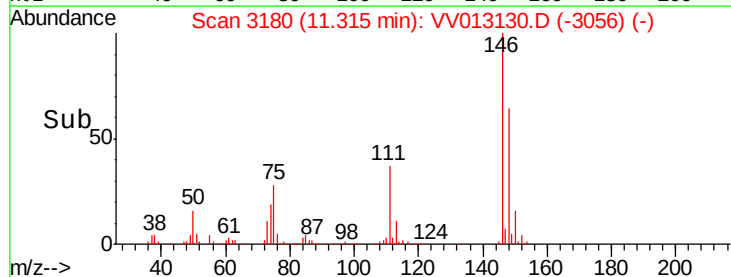
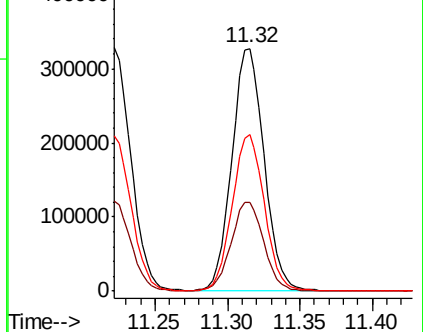
148 64.3 44.2 82.2

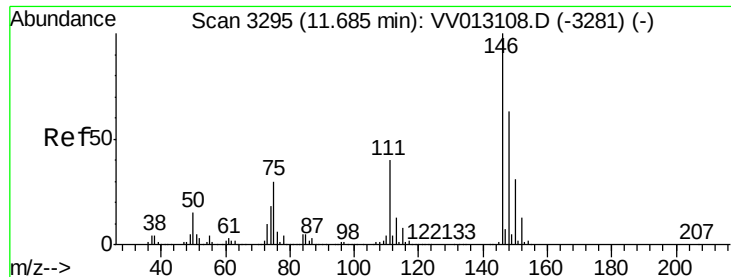


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.923 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

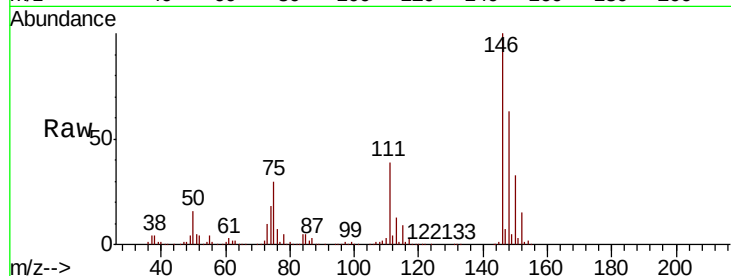
Tot Ion:146 Resp: 521481

Ion Ratio Lower Upper

146 100

111 39.3 32.2 48.2

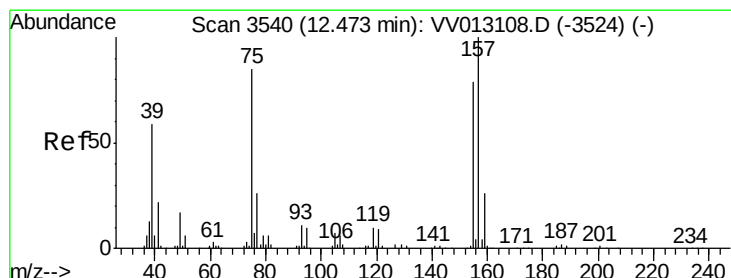
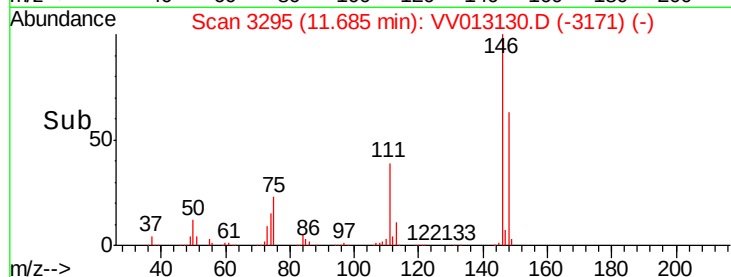
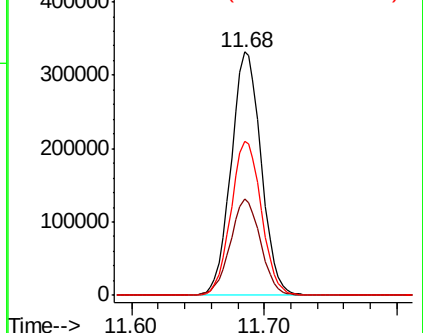
148 63.4 50.6 76.0



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: 47.800 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

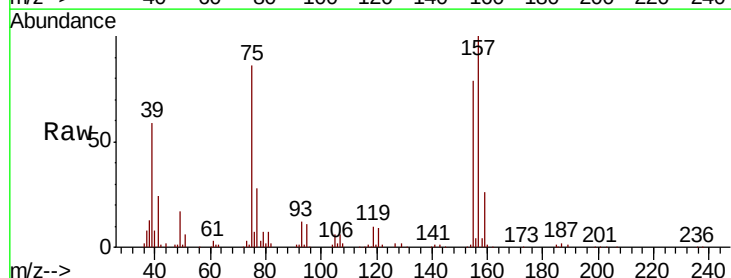
Tgt Ion: 75 Resp: 72622

Ion Ratio Lower Upper

75 100

155 92.8 74.6 111.8

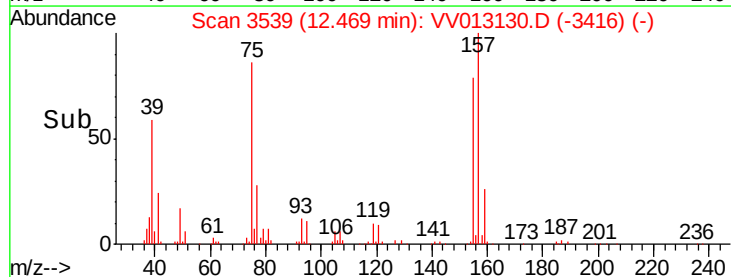
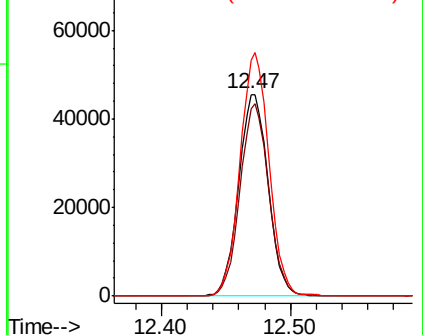
157 116.9 94.2 141.4

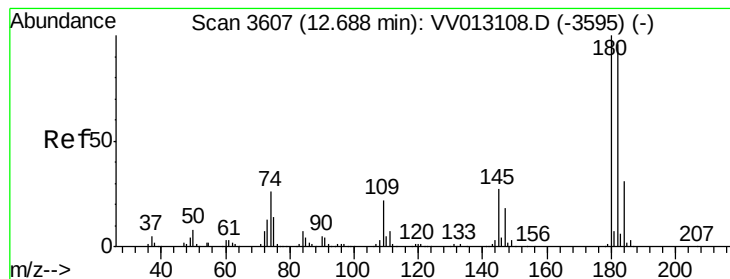


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 47.582 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 348196

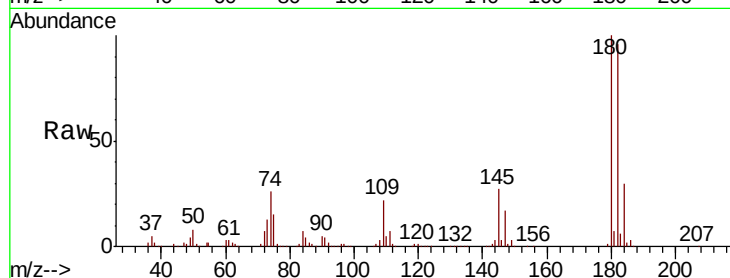
Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

184 30.2 24.3 36.5

145 27.6 21.7 32.5

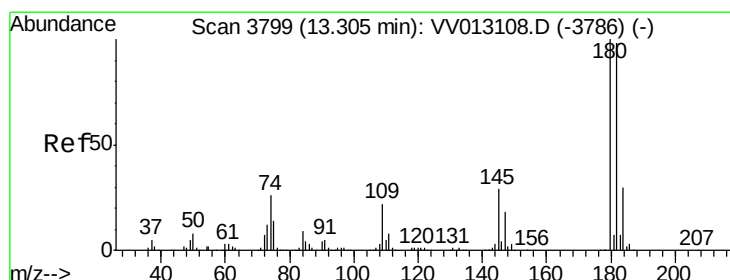
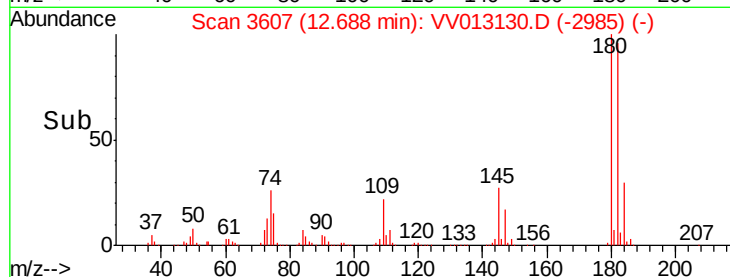
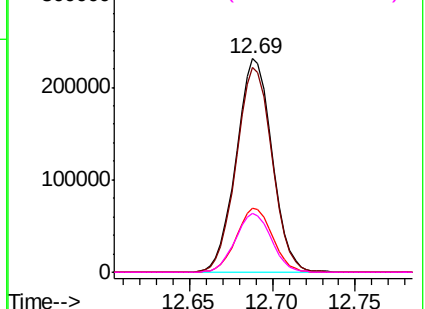


Abundance Ion 180.00 (179.70 to 180.70): V

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: 46.919 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

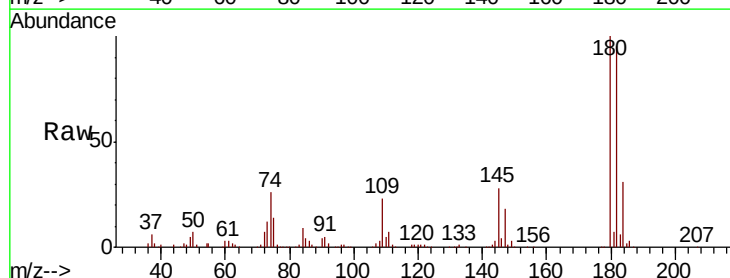
Tgt Ion:180 Resp: 294488

Ion Ratio Lower Upper

180 100

182 95.5 77.4 116.0

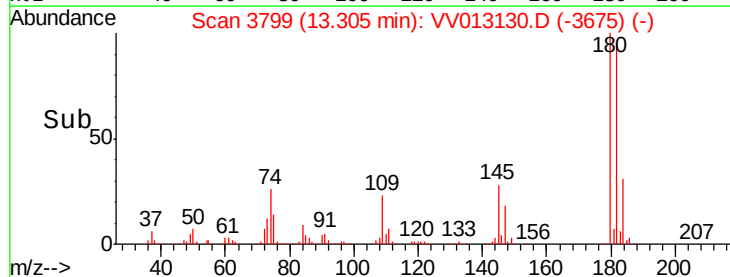
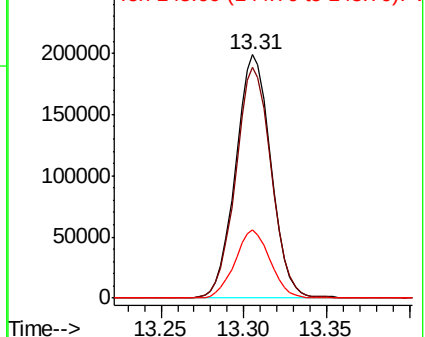
145 27.9 22.7 34.1

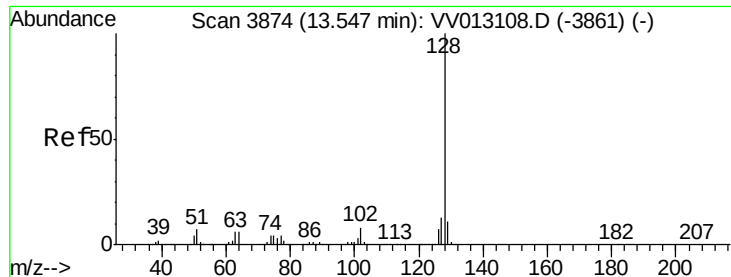


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 47.208 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

Instrument :

MSVOA_V

ClientSampleId :

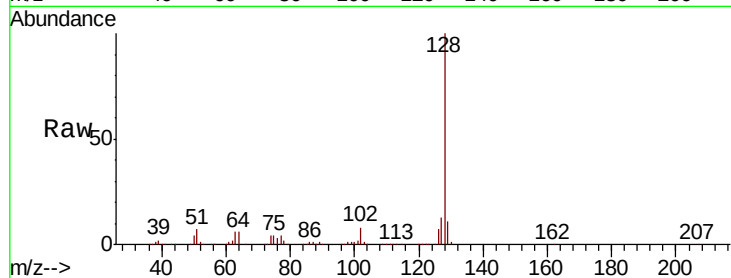
Tot Ion:128 Resp: 816288

Ion Ratio Lower Upper

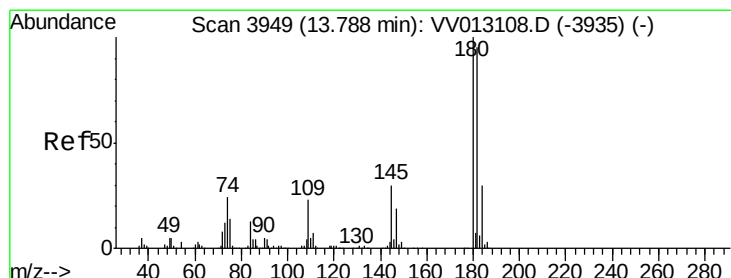
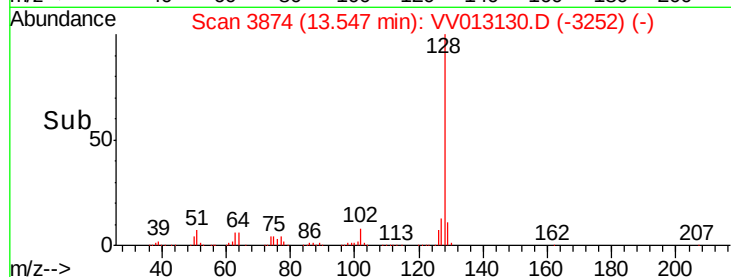
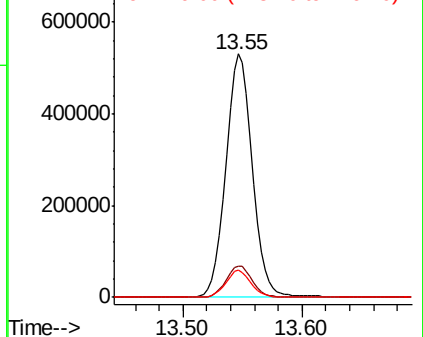
128 100

127 12.9 10.2 15.4

129 10.8 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: 48.996 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013130.D

Acq: 12 Oct 2019 03:59

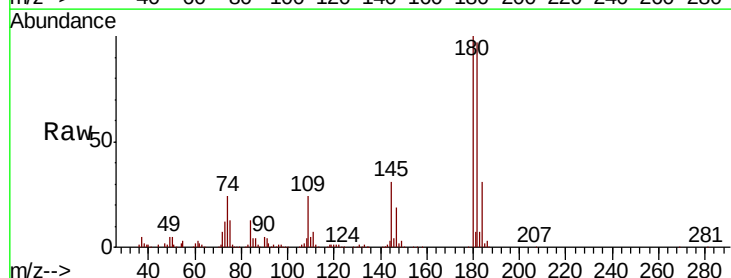
Tgt Ion:180 Resp: 328959

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 30.2 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

