

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013176.D
 Acq On : 17 Oct 2019 17:08
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 01:50:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	525936	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	553660	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	322334	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	299250	5.59	ug/L	0.00
7) Chloroethane-d5	1.58	69	221714	5.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	439930	5.57	ug/L	0.00
20) 2-Butanone-d5	3.96	46	568126	52.49	ug/L	0.00
24) Chloroform-d	4.40	84	518828	5.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	243018	5.71	ug/L	0.00
32) Benzene-d6	5.10	84	1048250	5.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	315060	5.51	ug/L	0.00
41) Toluene-d8	7.36	98	985040	5.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	114413	5.55	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	485544	56.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	232905	5.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	337580	4.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	372901	8.863	ug/L 100
3) Chloromethane	1.25	50	386347	8.577	ug/L 100
5) Vinyl chloride	1.32	62	374251	7.578	ug/L 100
6) Bromomethane	1.54	94	213886	8.528	ug/L 100
8) Chloroethane	1.60	64	197740	7.618	ug/L 100
9) Trichlorofluoromethane	1.77	101	472066	7.792	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	254251	7.225	ug/L 100
12) 1,1-Dichloroethene	2.14	96	242456	7.467	ug/L 100
13) Acetone	2.23	43	364293	59.440	ug/L 100
14) Carbon disulfide	2.32	76	853921	10.551	ug/L 100
15) Methyl Acetate	2.47	43	92600	6.025	ug/L 100
16) Methylene chloride	2.54	84	312890	7.638	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	569944	6.553	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	298883	7.960	ug/L 100
19) 1,1-Dichloroethane	3.23	63	545756	7.365	ug/L 100
21) 2-Butanone	4.05	43	600859	61.227	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	307078	7.543	ug/L 100
23) Bromochloromethane	4.30	128	131647	7.346	ug/L 100
25) Chloroform	4.42	83	554701	6.790	ug/L 100
27) 1,2-Dichloroethane	5.18	62	316934	7.231	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	460358	7.070	ug/L 100
30) Cyclohexane	4.72	56	507525	8.585	ug/L 100
31) Carbon tetrachloride	4.87	117	412234	7.351	ug/L 100
33) Benzene	5.14	78	1249313	7.545	ug/L 100
34) Trichloroethene	5.96	95	312585	7.348	ug/L 100
35) Methylcyclohexane	6.17	83	514834	8.487	ug/L 100
37) 1,2-Dichloropropane	6.22	63	302401	6.931	ug/L 100
38) Bromodichloromethane	6.55	83	380263	6.727	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	414326	7.068	ug/L 100
40) 4-Methyl-2-pentanone	7.27	43	1703347	63.576	ug/L 100

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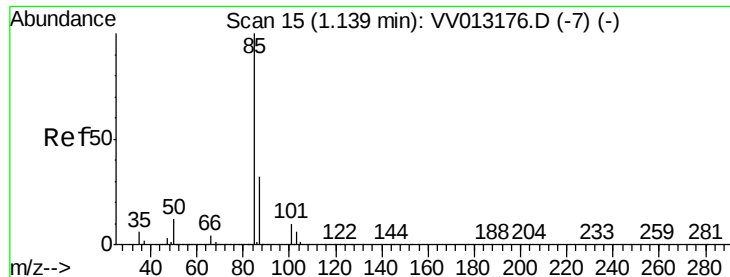
Instrument :
 MSVOA_V
 ClientSampleId :

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	1342525	7.757	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	315184	6.834	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	202623	6.350	ug/L	100
47) Tetrachloroethene	8.02	164	280818	7.959	ug/L	100
48) 2-Hexanone	8.18	43	1269767	65.474	ug/L	100
49) Dibromochloromethane	8.29	129	251267	6.773	ug/L	100
50) 1,2-Dibromoethane	8.39	107	188337	6.914	ug/L	100
51) Chlorobenzene	8.92	112	820254	7.087	ug/L	100
52) Ethylbenzene	9.05	91	1418549	7.643	ug/L	100
53) m,p-xylene	9.18	106	551968	7.957	ug/L	100
54) o-xylene	9.59	106	527592	7.802	ug/L	100
55) Styrene	9.60	104	896491	7.808	ug/L	100
56) Isopropylbenzene	9.97	105	1404621	7.776	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	248056	6.282	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	174444	6.325	ug/L	100
61) Bromoform	9.77	173	140248	5.955	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	666434	6.380	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	645341	6.093	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	604823	5.978	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	36050	5.298	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	459833	5.777	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	388577	5.997	ug/L	100
69) Naphthalene	13.55	128	562422	5.790	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	379170	5.982	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 8.863 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

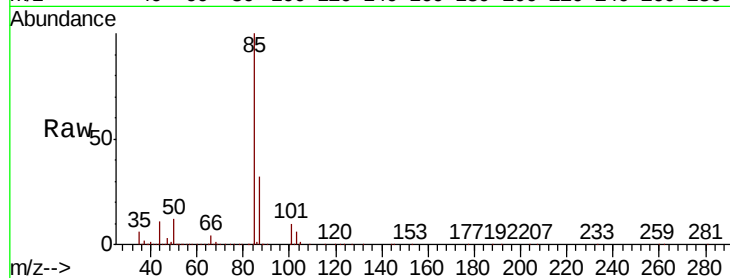
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 372901

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013176.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013176.D (-7) (-)

1.14

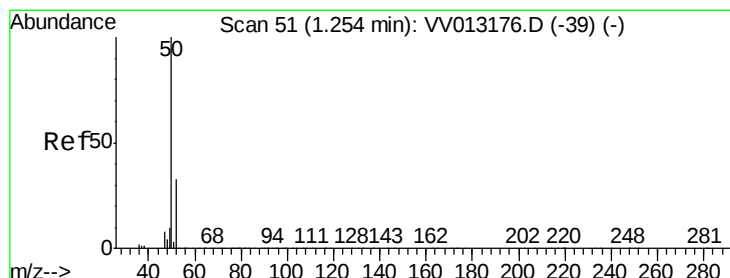
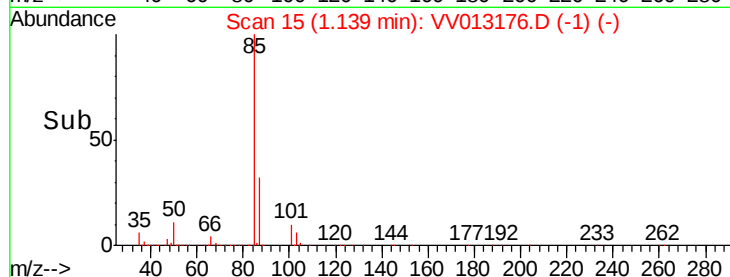
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 8.577 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013176.D

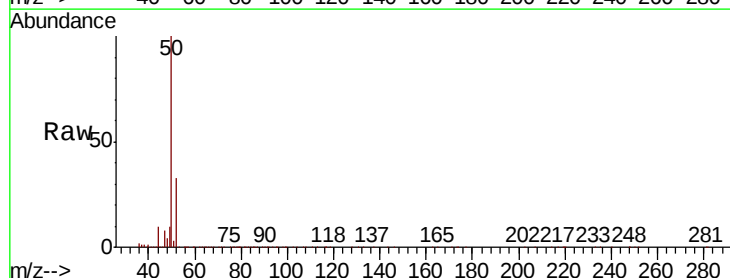
Acq: 17 Oct 2019 17:08

Tgt Ion: 50 Resp: 386347

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV013176.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV013176.D (-39) (-)

1.25

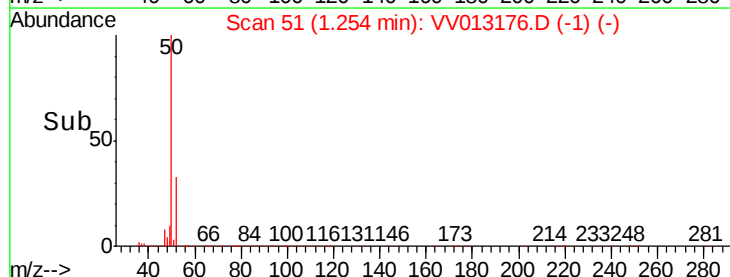
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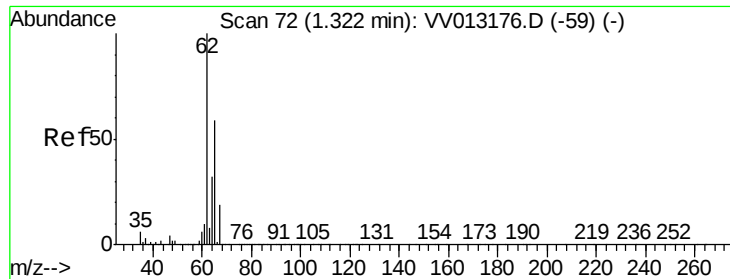
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 7.578 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

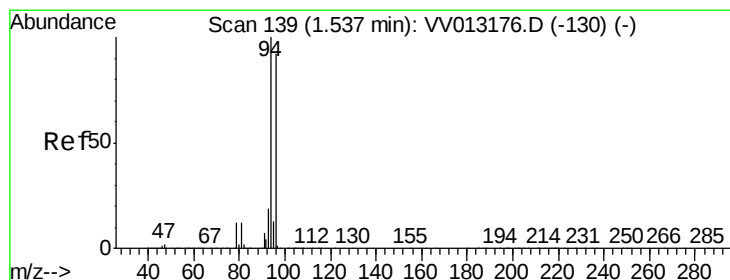
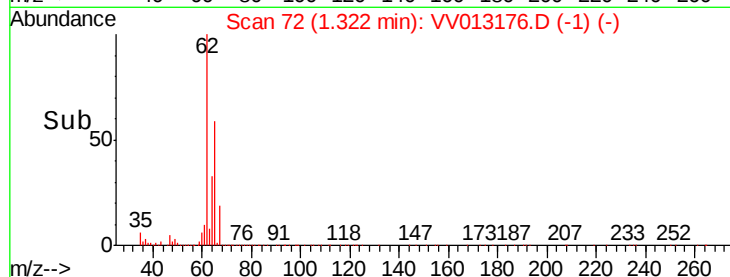
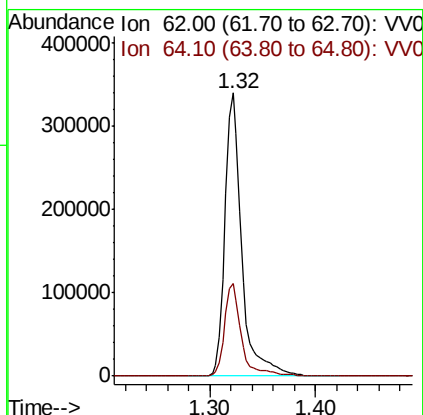
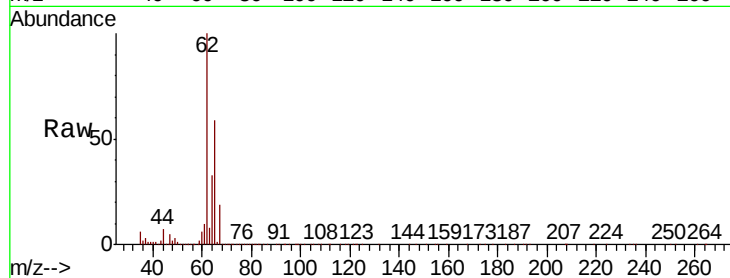
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 374251

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 8.528 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013176.D

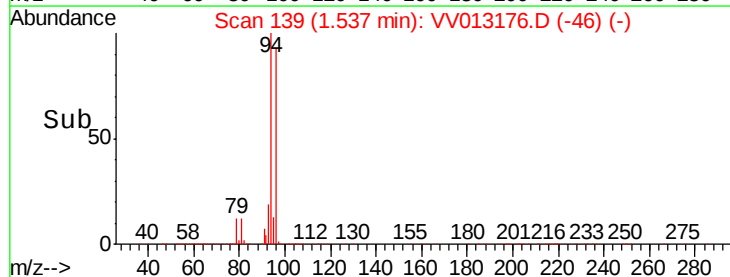
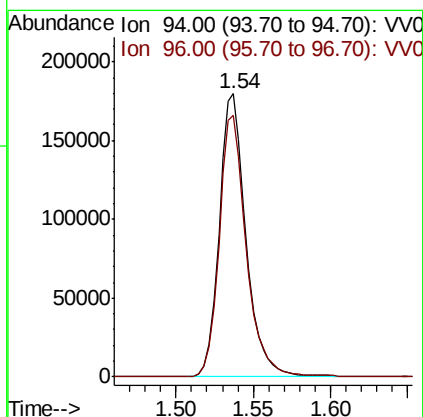
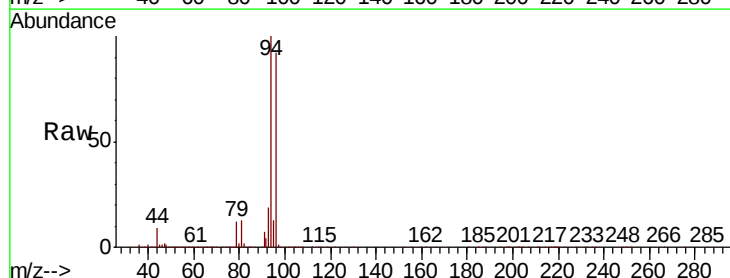
Acq: 17 Oct 2019 17:08

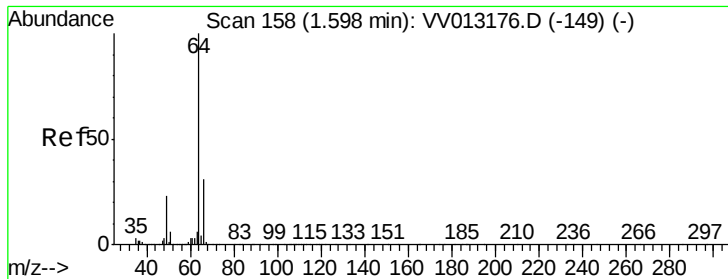
Tgt Ion: 94 Resp: 213886

Ion Ratio Lower Upper

94 100

96 92.3 64.6 120.0





#8

Chloroethane

Concen: 7.618 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

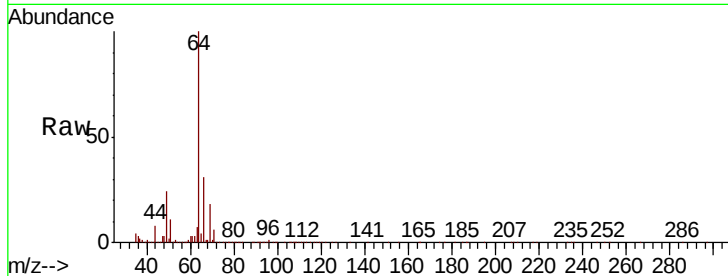
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 197740

Ion Ratio Lower Upper

64 100

66 30.9 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV013176.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013176.D (-149) (-)

1.60

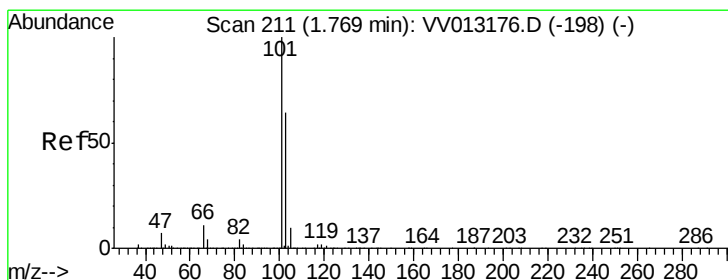
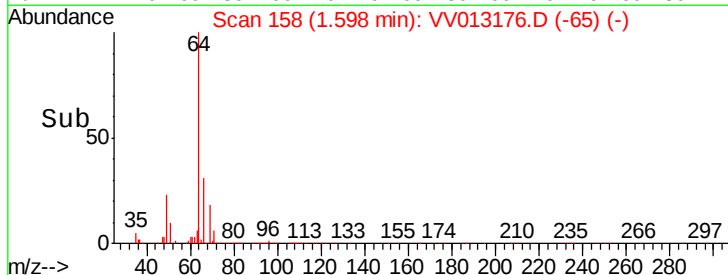
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 7.792 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013176.D

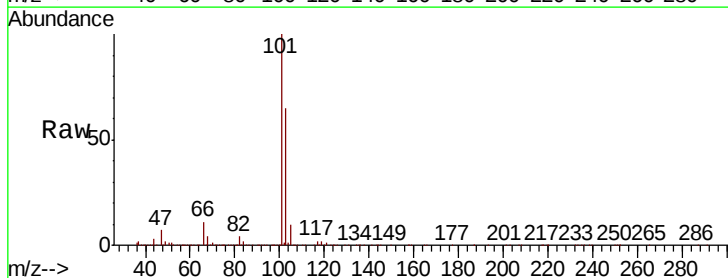
Acq: 17 Oct 2019 17:08

Tgt Ion: 101 Resp: 472066

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV013176.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013176.D (-198) (-)

1.77

400000

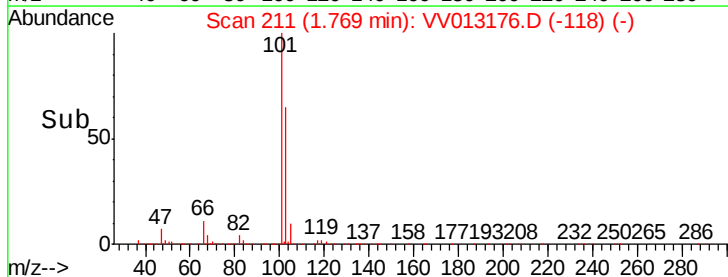
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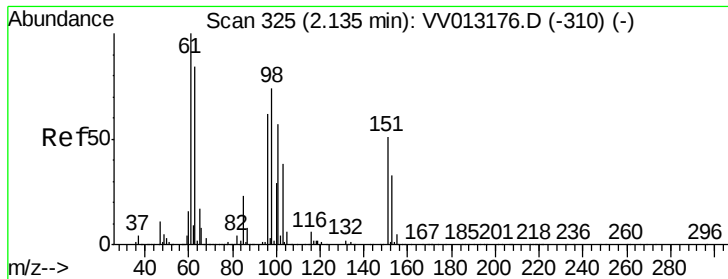
200000

100000

0

Time-->





#10

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

Concen: 7.225 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

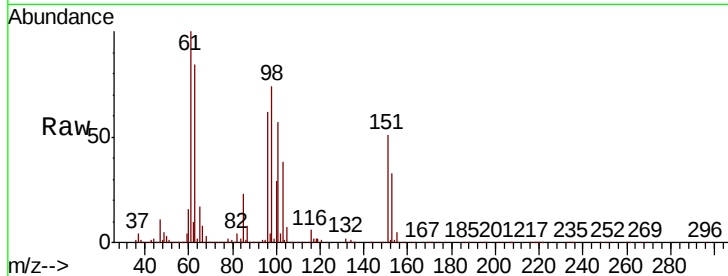
Tot Ion:101 Resp: 254251

Ion Ratio Lower Upper

101 100

85 40.5 32.4 48.6

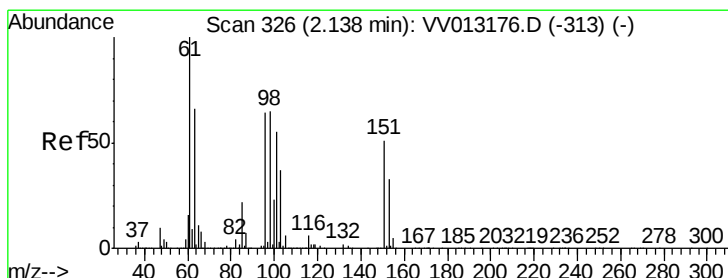
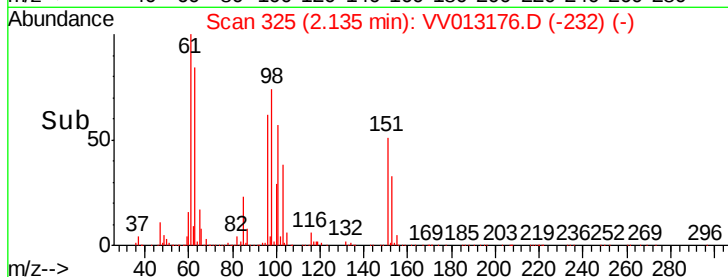
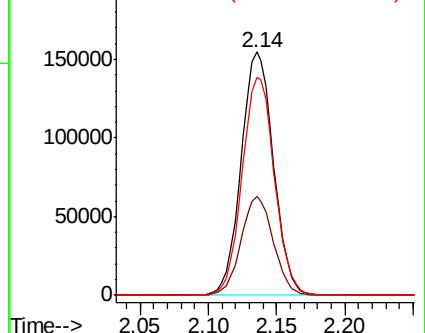
151 89.9 71.9 107.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 7.467 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

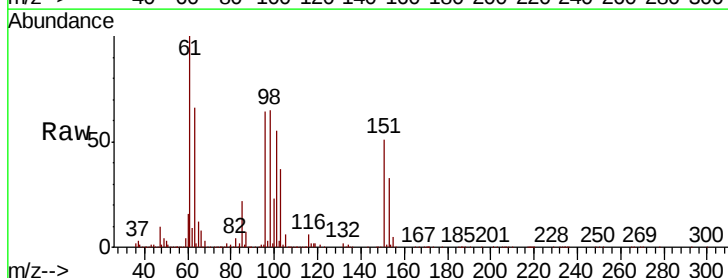
Tgt Ion: 96 Resp: 242456

Ion Ratio Lower Upper

96 100

61 156.9 109.8 204.0

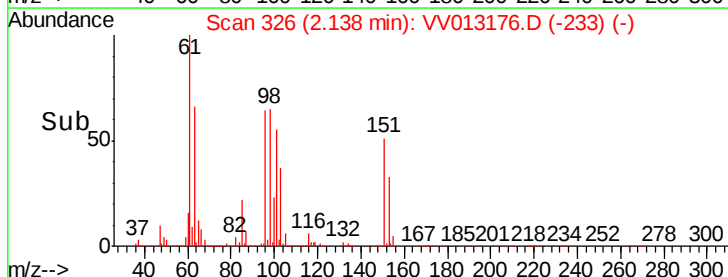
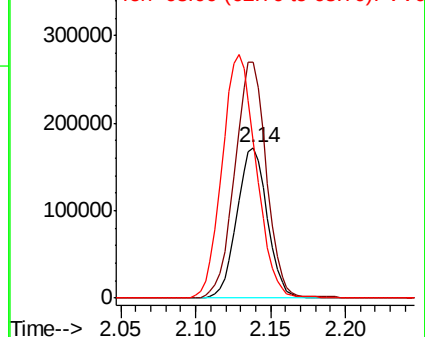
63 103.7 72.6 134.8

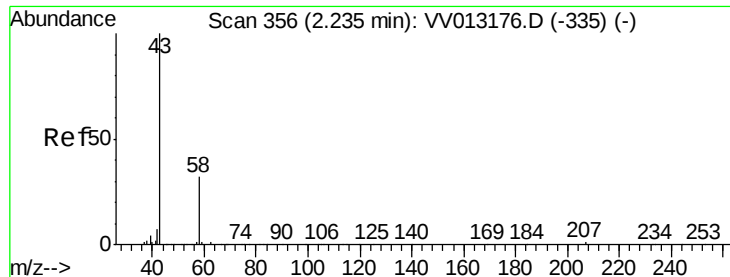


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 59.440 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

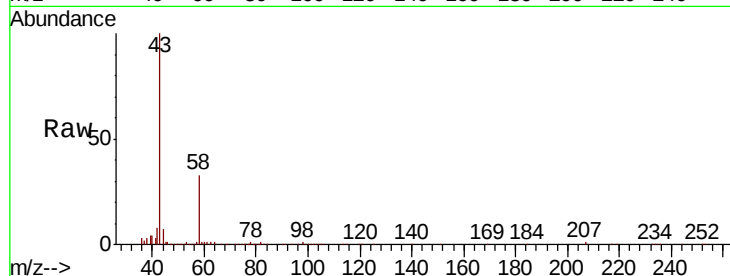
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 364293

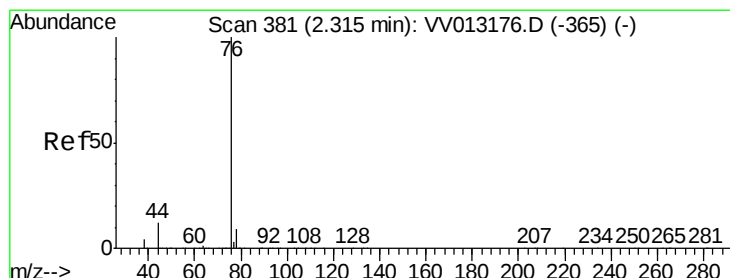
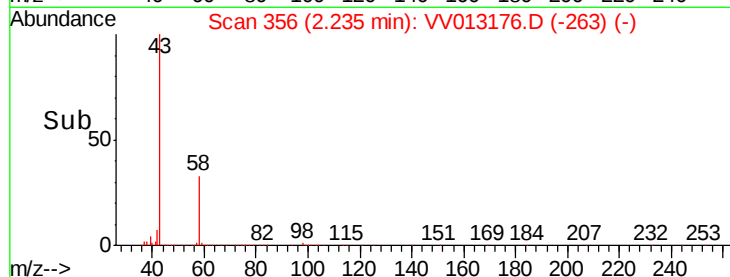
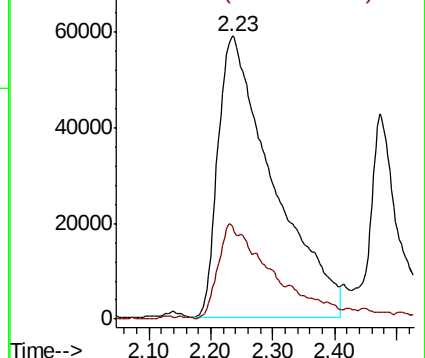
Ion Ratio Lower Upper

43 100

58 26.2 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 10.551 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013176.D

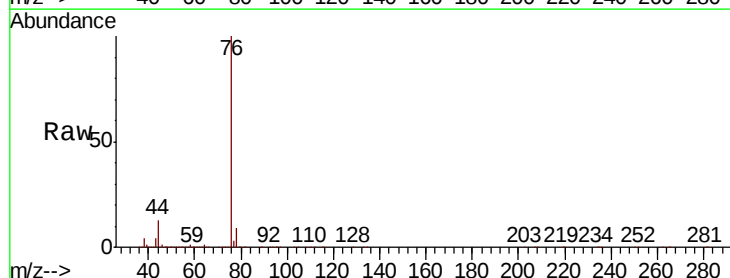
Acq: 17 Oct 2019 17:08

Tgt Ion: 76 Resp: 853921

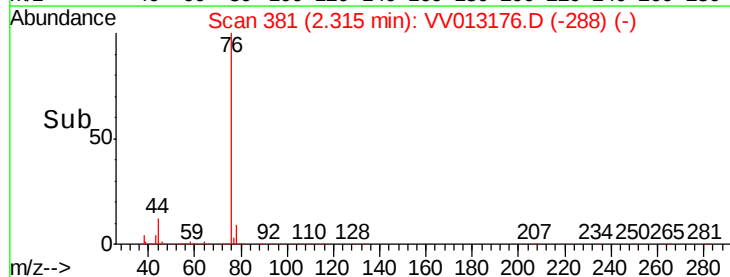
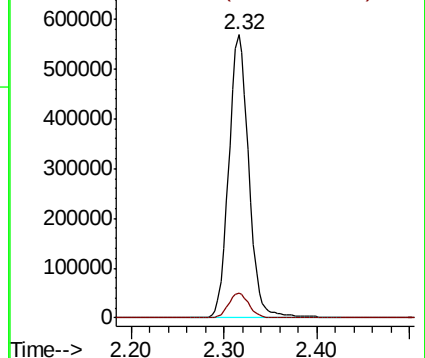
Ion Ratio Lower Upper

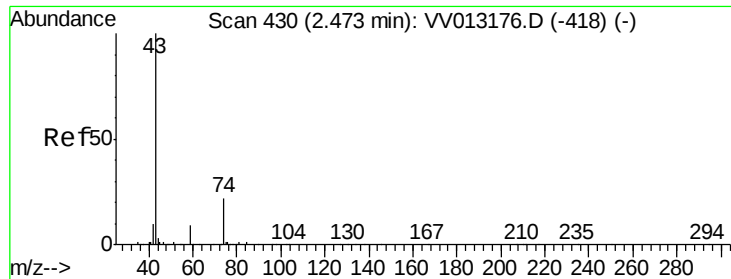
76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0

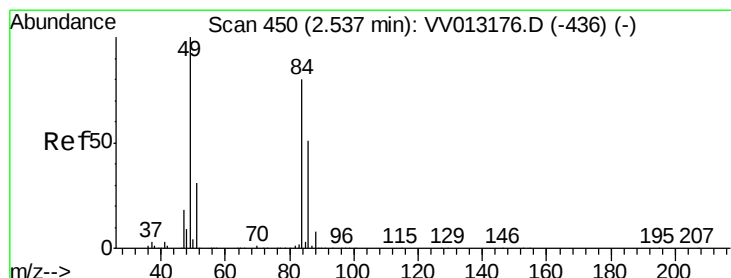
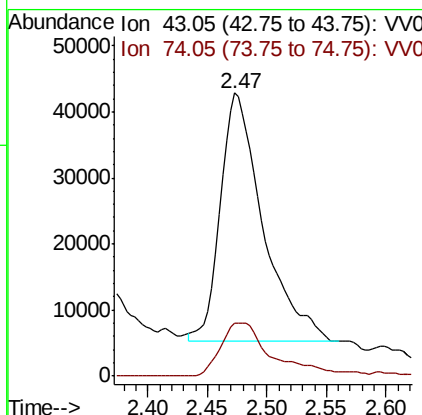
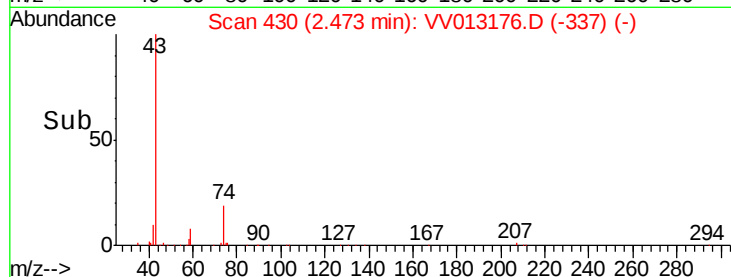
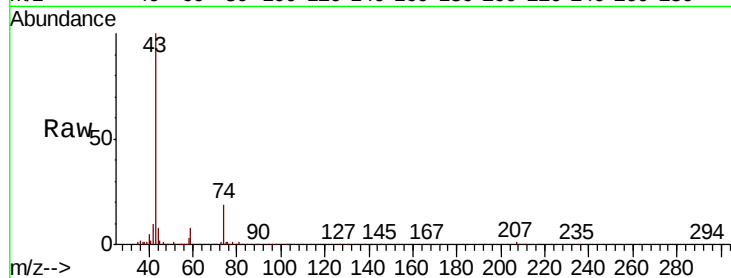




#15
Methvl Acetate
Concen: 6.025 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

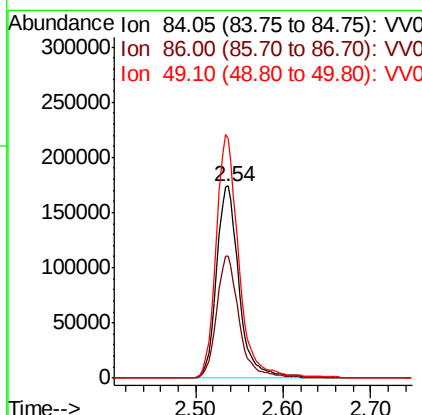
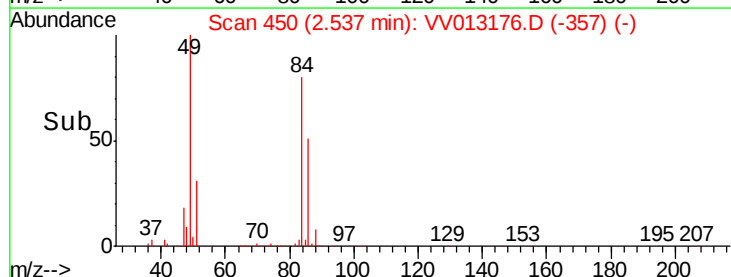
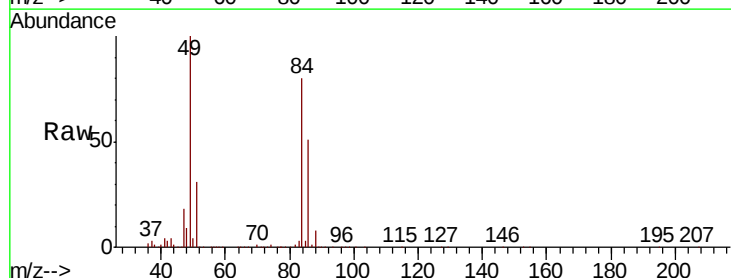
Instrument :
MSVOA_V
ClientSampleId :

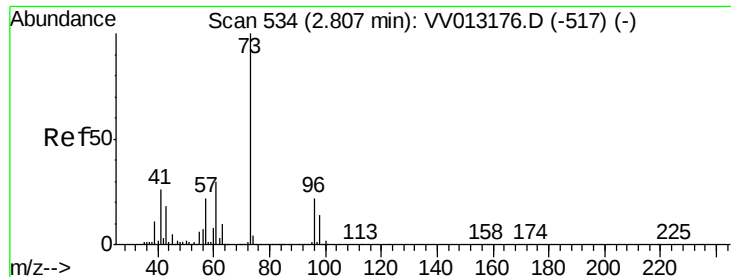
Tot Ion: 43 Resp: 92600
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1



#16
Methylene chloride
Concen: 7.638 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion: 84 Resp: 312890
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 124.7 87.3 162.1

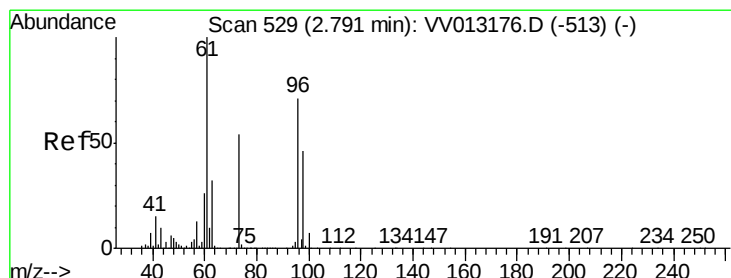
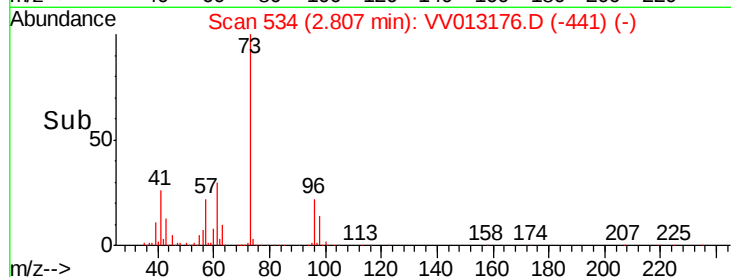
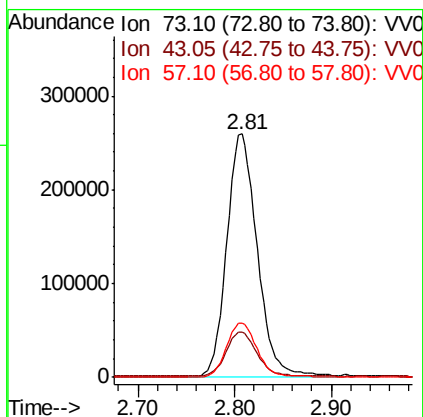
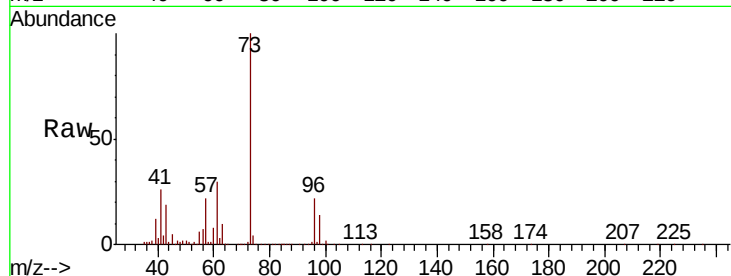




#17
Methvl tert-butvl Ether
Concen: 6.553 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

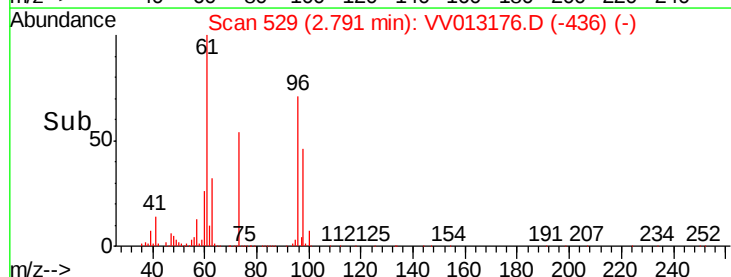
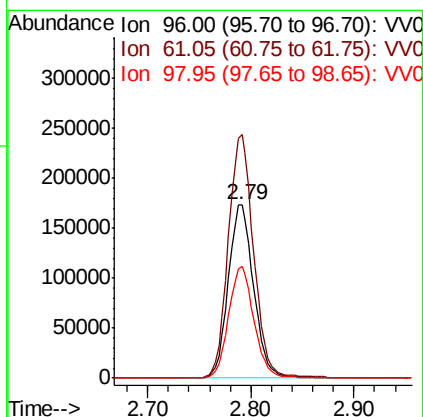
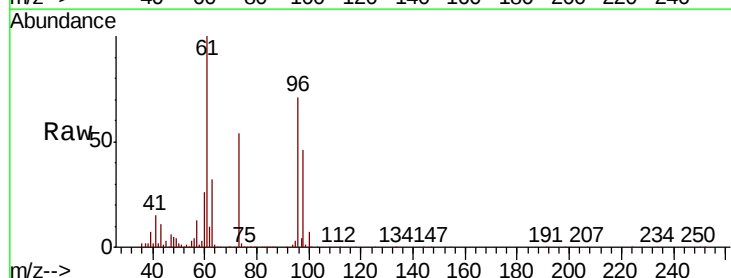
Instrument :
MSVOA_V
ClientSampleId :

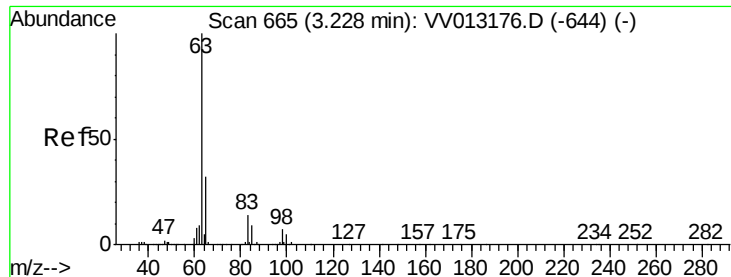
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.6	22.0
57	22.3	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 7.960 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	98.1	182.1
98	64.2	44.9	83.5

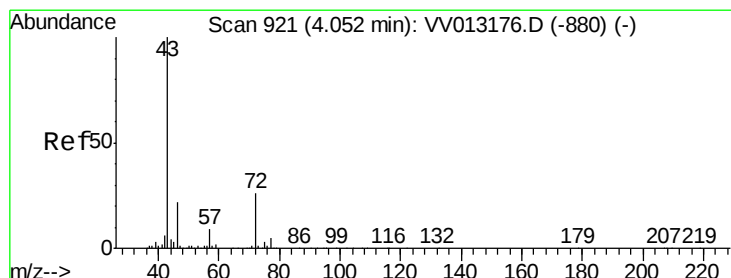
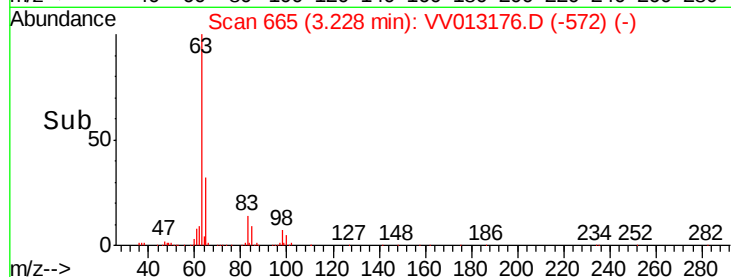
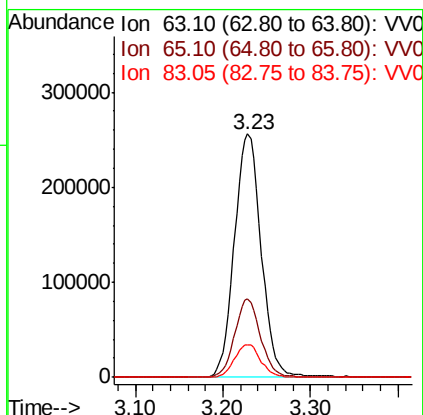
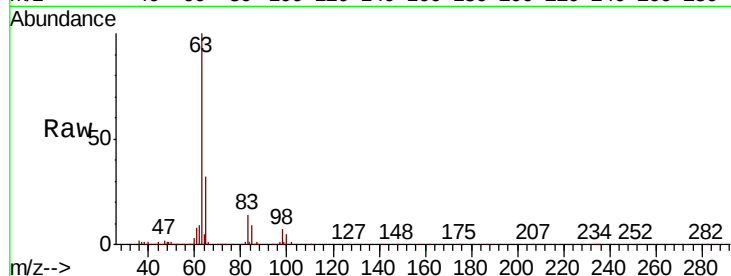




#19
1,1-Dichloroethane
Concen: 7.365 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

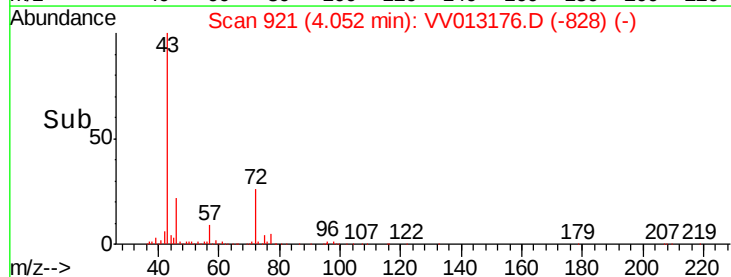
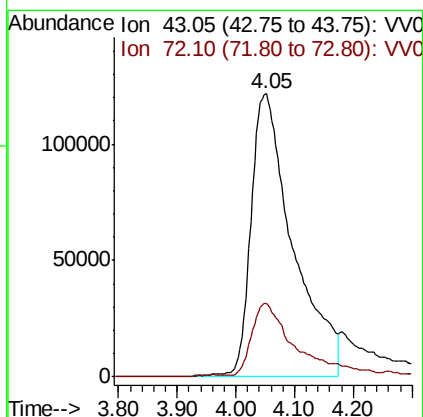
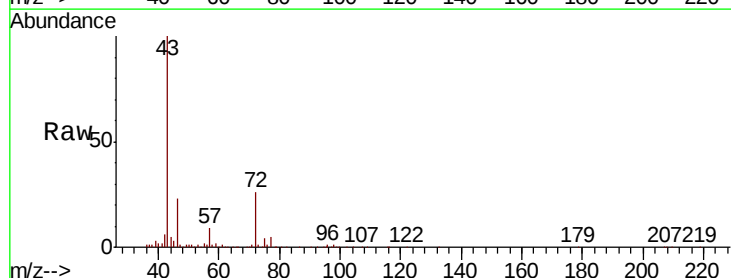
Instrument :
MSVOA_V
ClientSampleId :

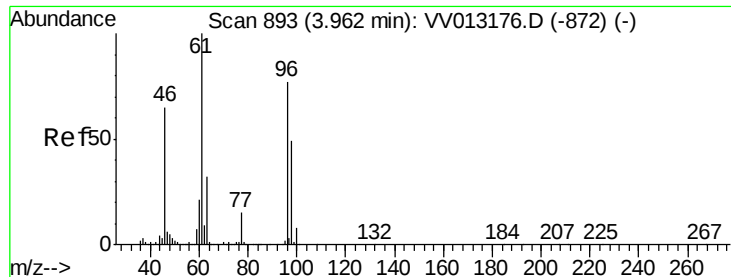
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.5	41.7
83	13.6	9.5	17.7



#21
2-Butanone
Concen: 61.227 ug/L
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	13.1	39.1



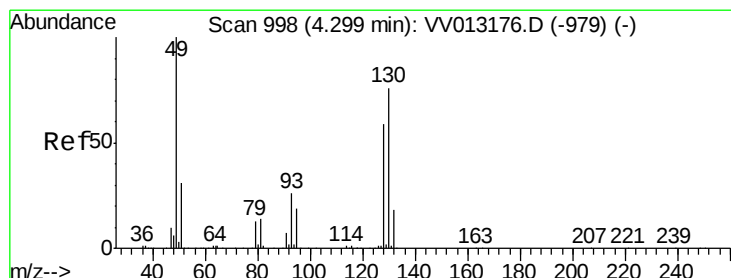
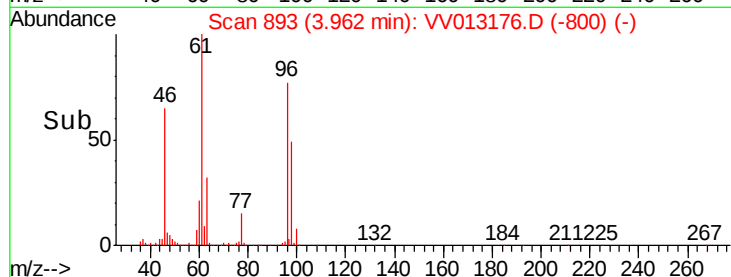
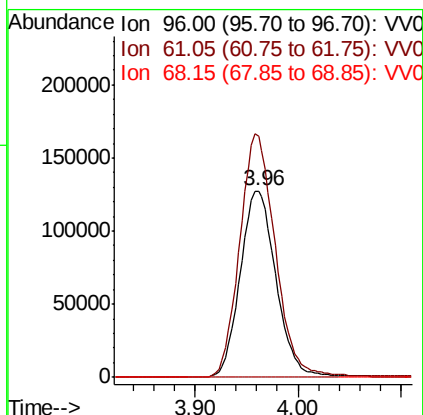
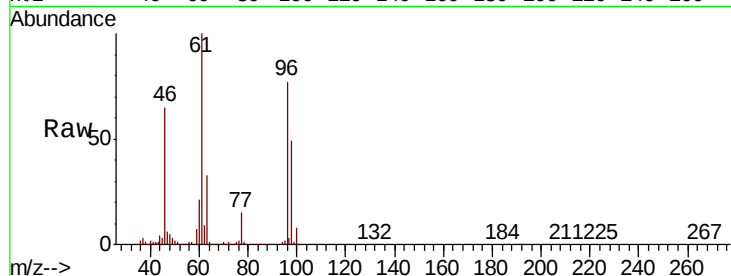


#22

cis-1,2-Dichloroethene
Concen: 7.543 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Instrument :
MSVOA_V
ClientSampleId :

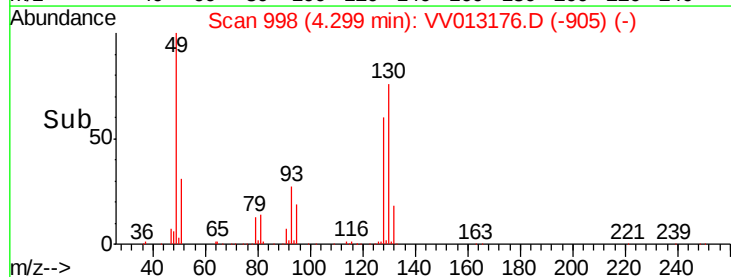
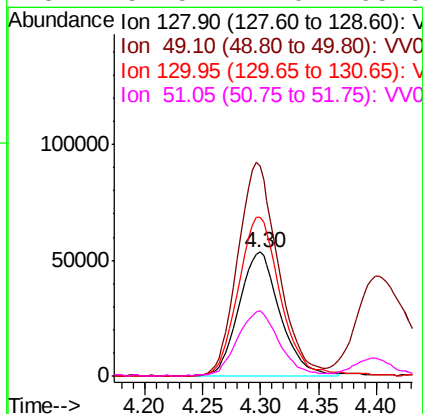
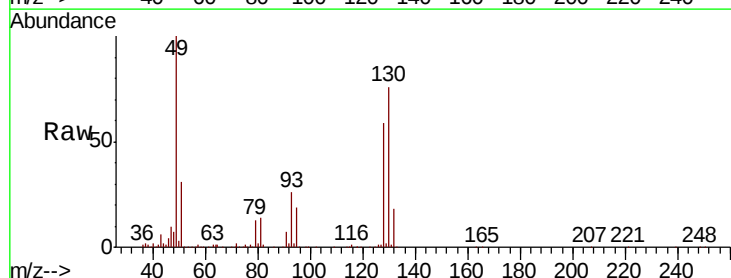
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	90.6	168.2
68	0.1	0.1	0.1

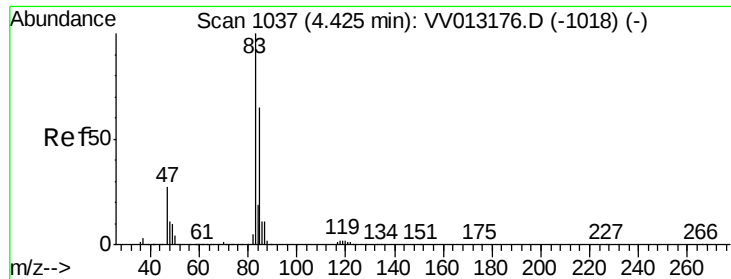


#23

Bromochloromethane
Concen: 7.346 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.1	118.4	219.8
130	127.9	89.5	166.3
51	52.5	42.0	63.0

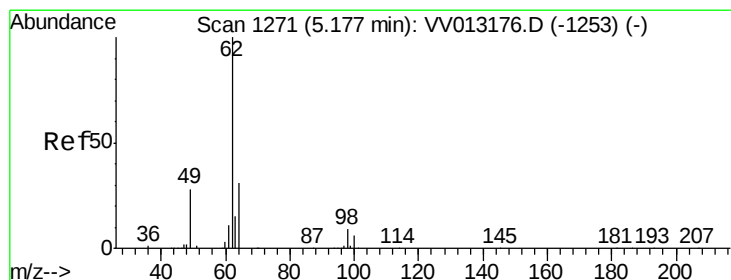
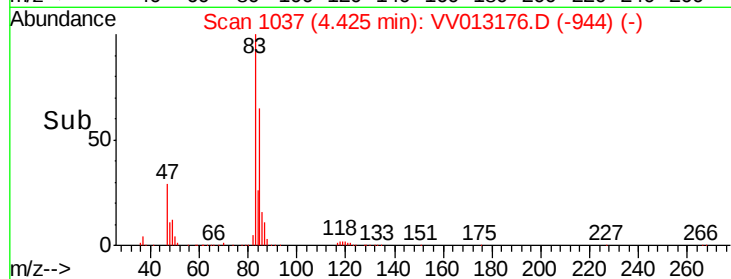
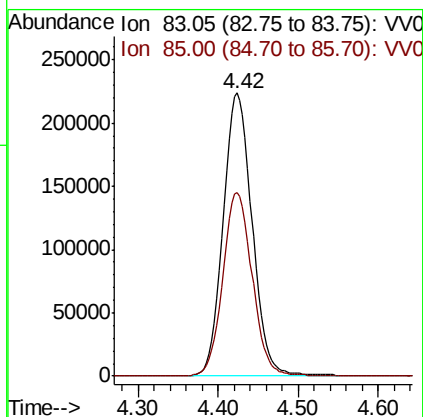
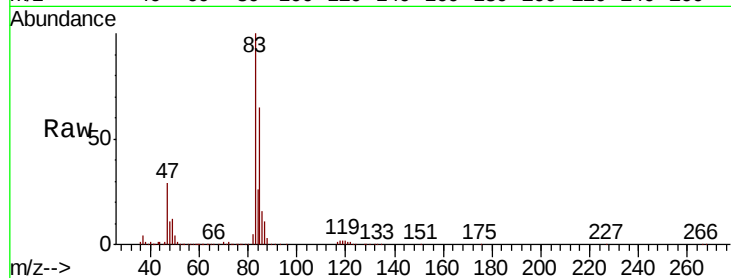




#25
Chloroform
Concen: 6.790 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

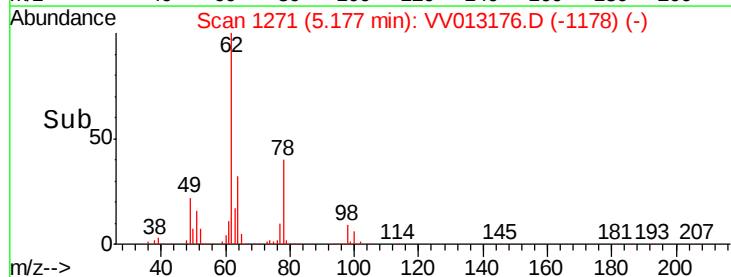
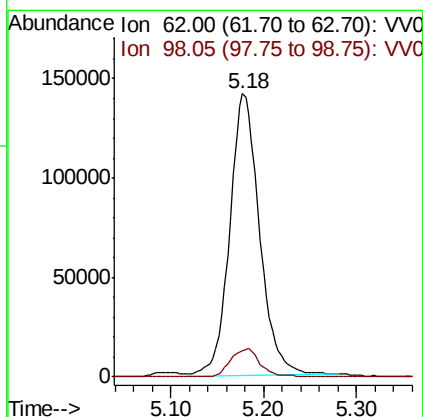
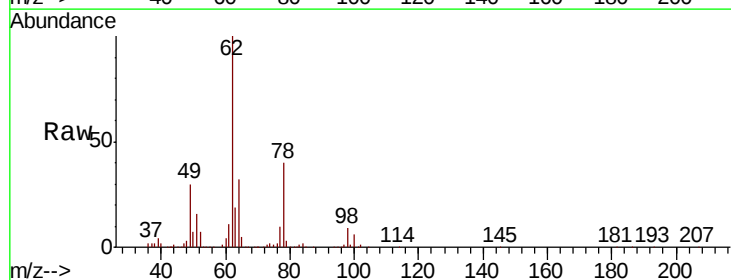
Instrument :
MSVOA_V
ClientSampleId :

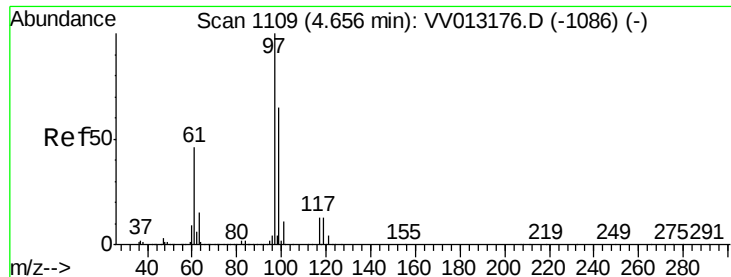
Tot Ion: 83 Resp: 554701
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 7.231 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion: 62 Resp: 316934
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

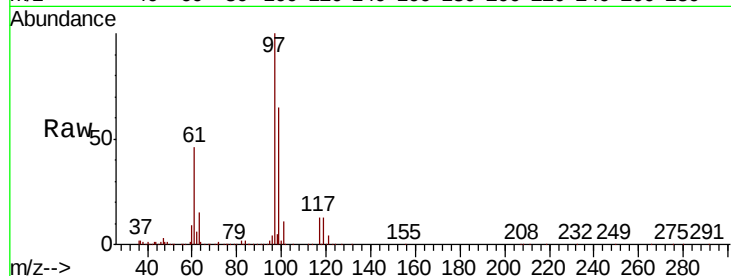




#29
 1,1,1-Trichloroethane
 Concen: 7.070 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.2	37.0	55.4

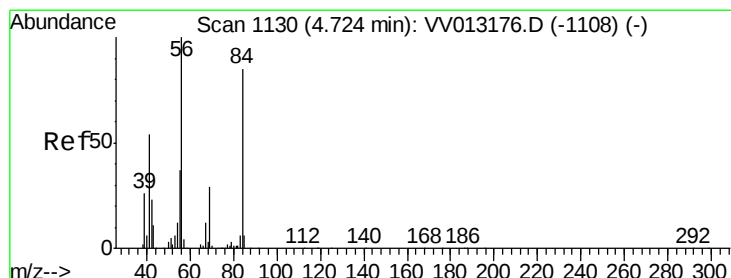
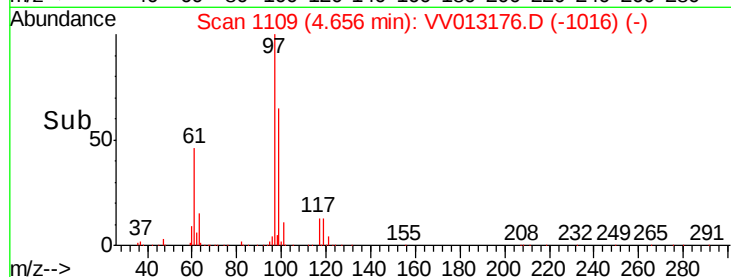
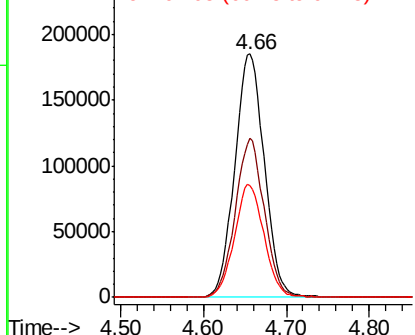


Abundance

Ion 96.95 (96.65 to 97.65): VV0

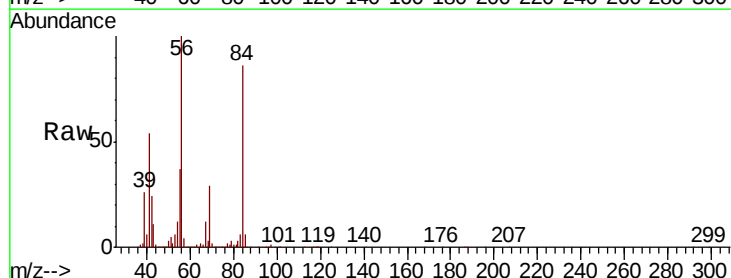
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 8.585 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.0	34.4
84	86.2	69.0	103.4

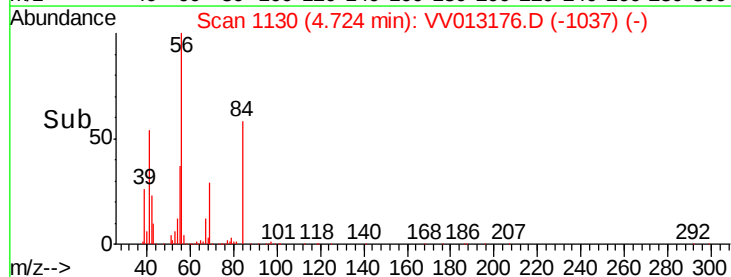
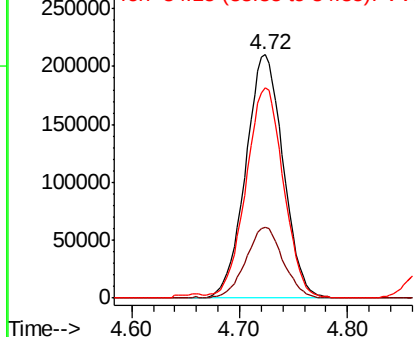


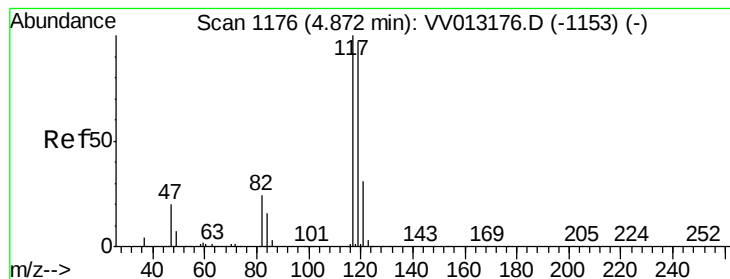
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 7.351 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

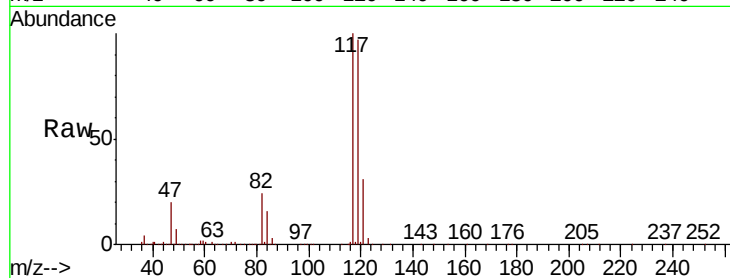
ClientSampleId :

Tot Ion:117 Resp: 412234

Ion Ratio Lower Upper

117 100

119 97.4 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

200000

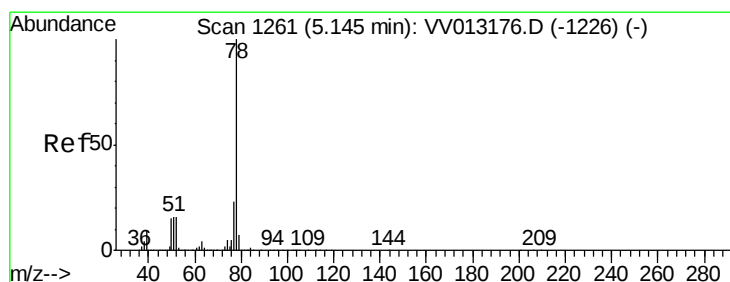
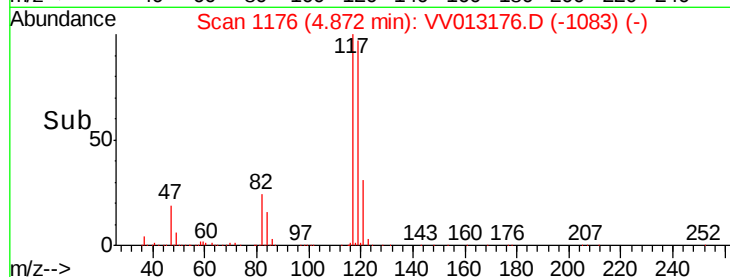
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 7.545 ug/L

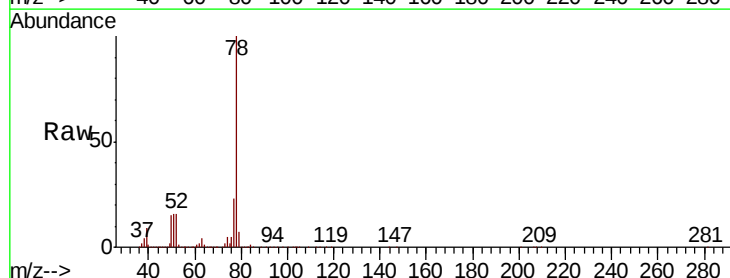
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Tgt Ion: 78 Resp: 1249313



Abundance Ion 78.10 (77.80 to 78.80): VV0

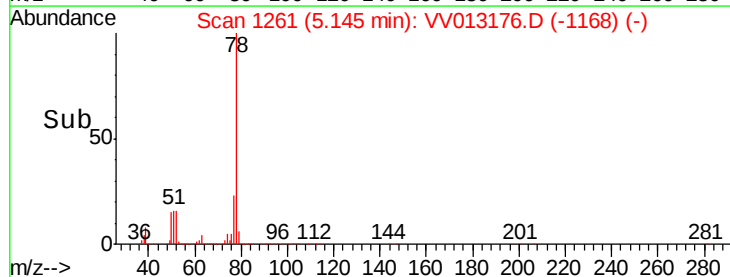
600000

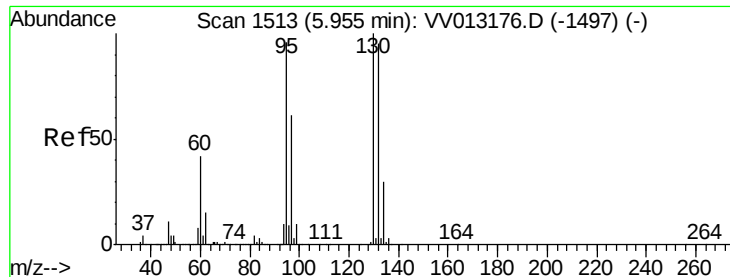
400000

200000

0

Time-->

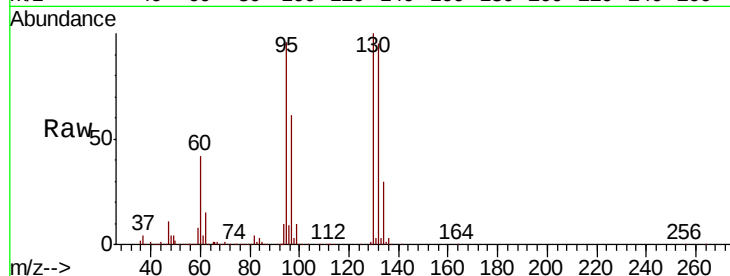




#34
 Trichloroethene
 Concen: 7.348 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	95	Resp	312585
Ion Ratio	Lower	Upper	
95	100		
97	63.8	44.7	82.9
132	98.4	68.9	127.9
130	103.8	72.7	134.9



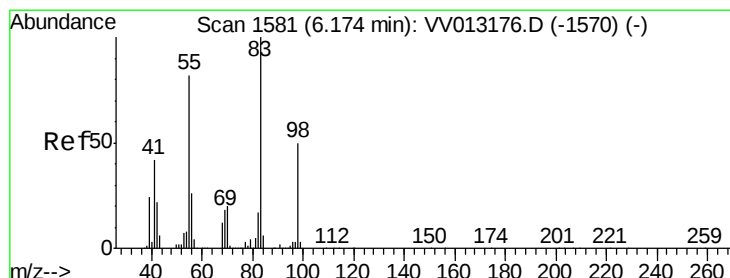
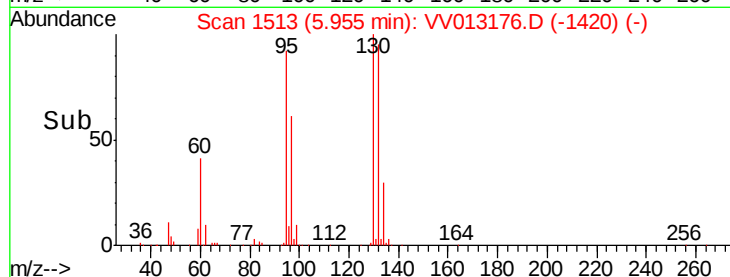
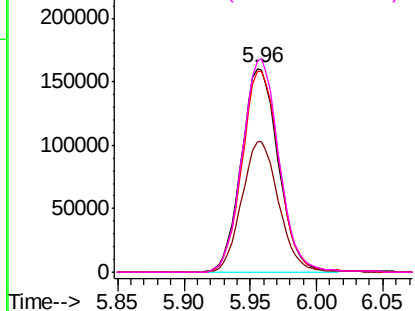
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

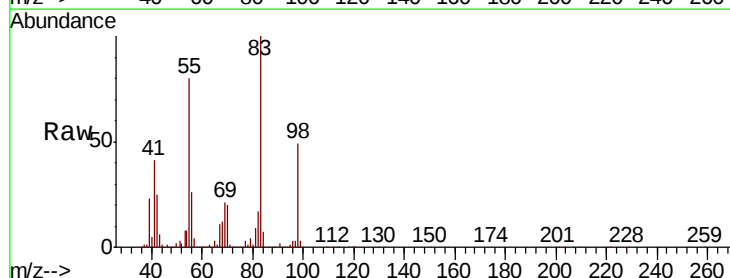
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35
 Methylcyclohexane
 Concen: 8.487 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion	83	Resp	514834
Ion Ratio	Lower	Upper	
83	100		
55	80.0	64.0	96.0
98	48.2	38.6	57.8

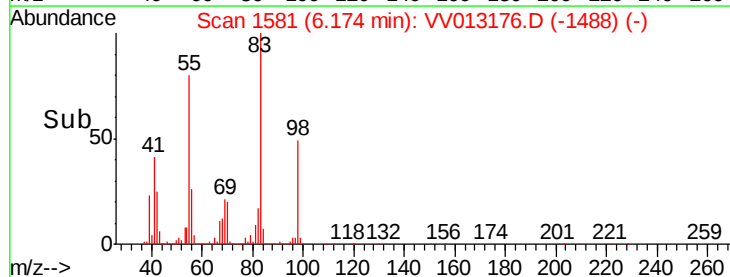
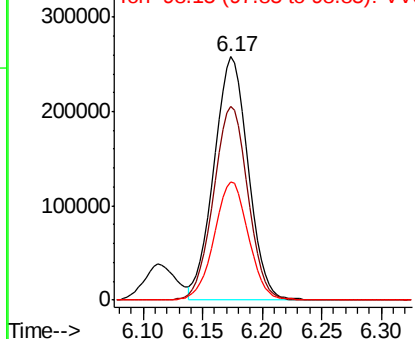


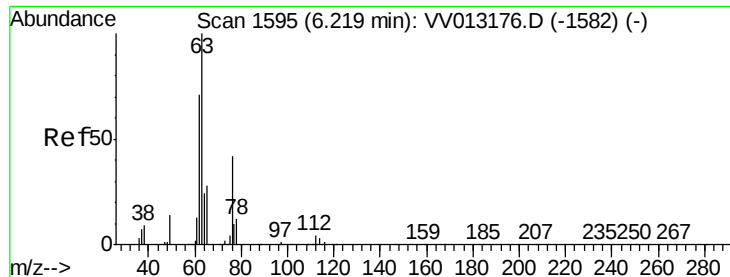
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

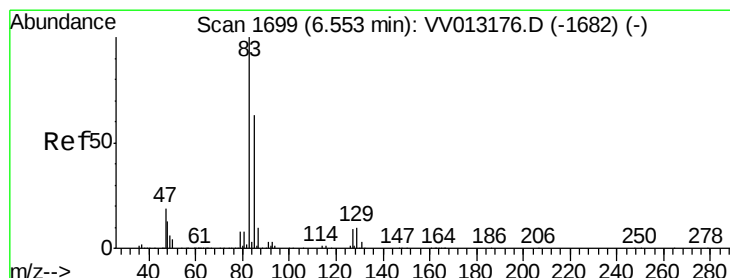
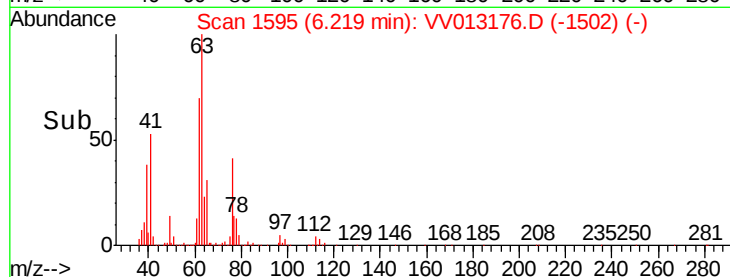
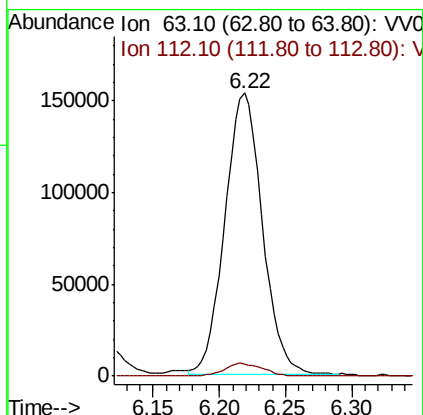
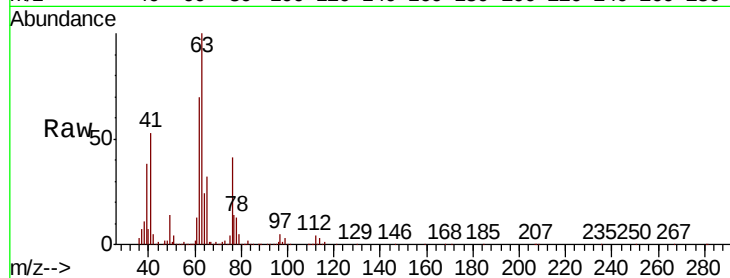




#37
 1,2-Dichloropropane
 Concen: 6.931 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

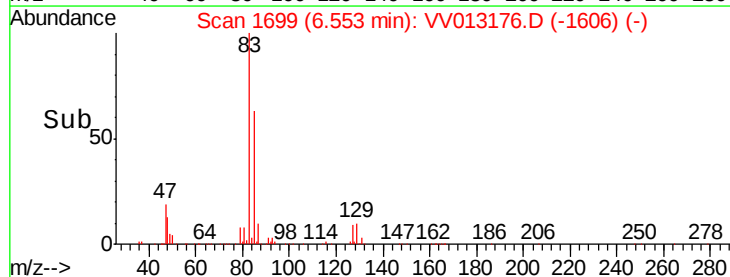
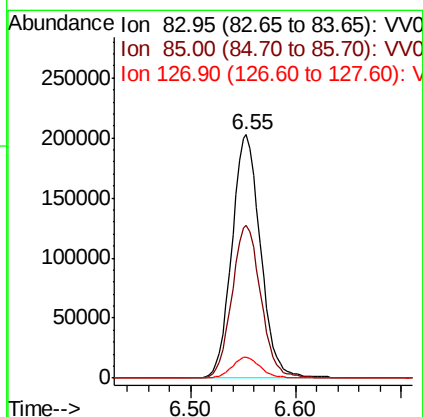
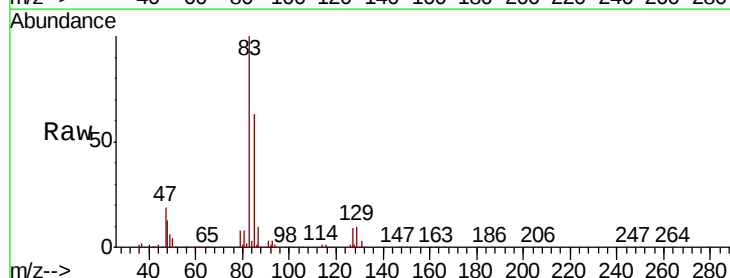
Instrument :
 MSVOA_V
 ClientSampleId :

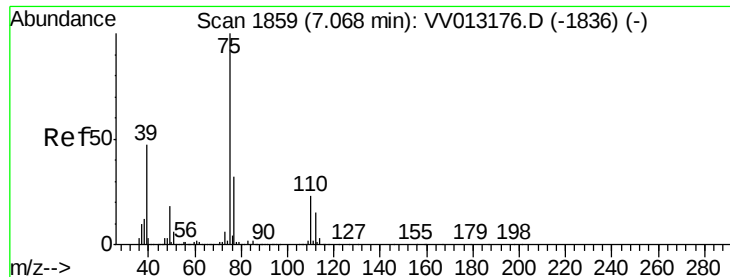
Tot Ion: 63 Resp: 302401
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 6.727 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion: 83 Resp: 380263
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.0 81.6
 127 8.8 7.0 10.6



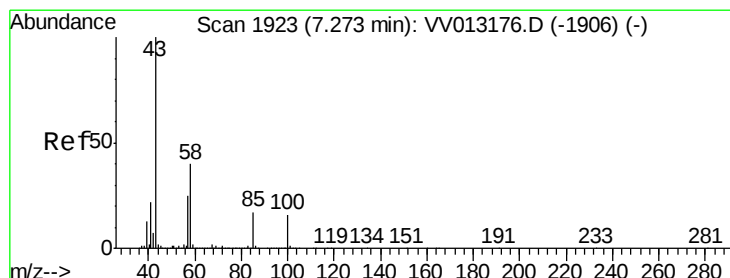
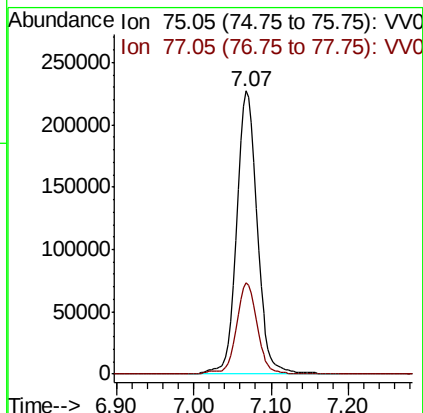
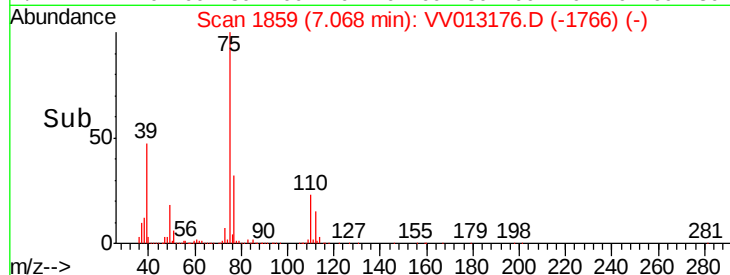
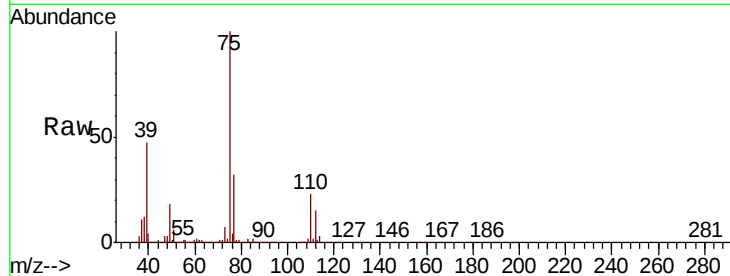


#39

cis-1,3-Dichloropropene
 Concen: 7.068 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Instrument :
 MSVOA_V
 ClientSampled :

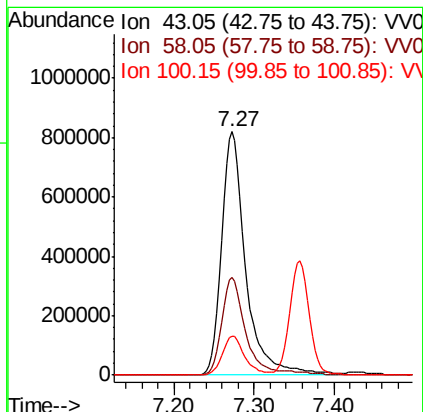
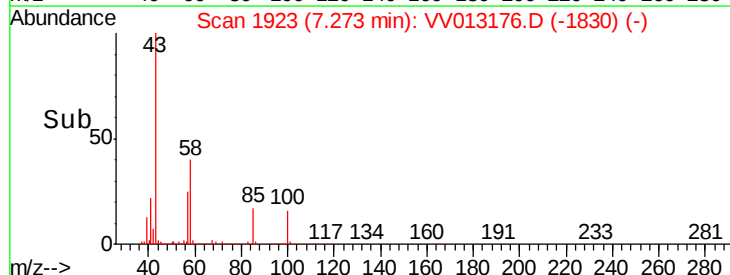
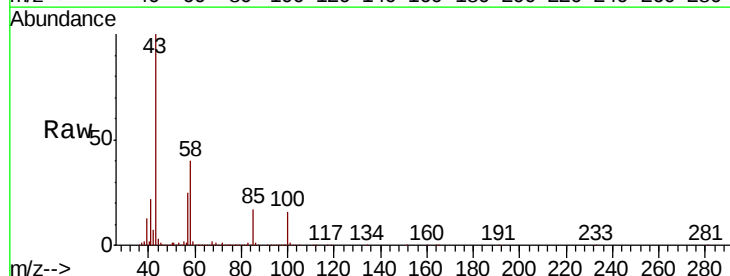
Tot Ion: 75 Resp: 414326
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0

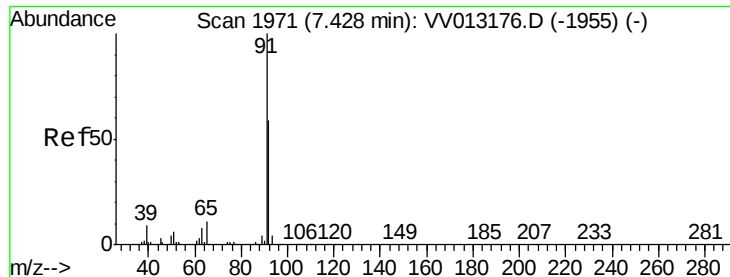


#40

4-Methyl-2-pentanone
 Concen: 63.576 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion: 43 Resp: 1703347
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 14.8 11.8 17.8





#42

Toluene

Concen: 7.757 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

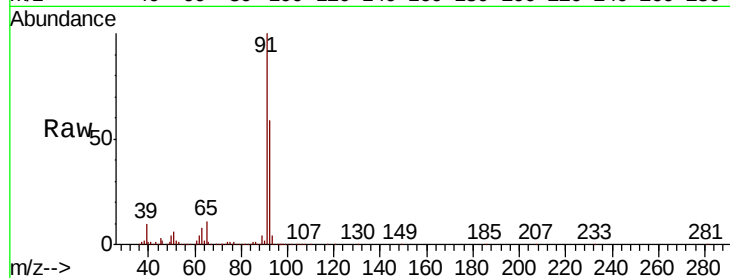
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1342525

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

800000

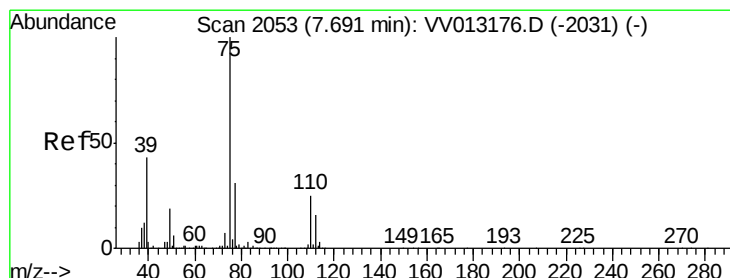
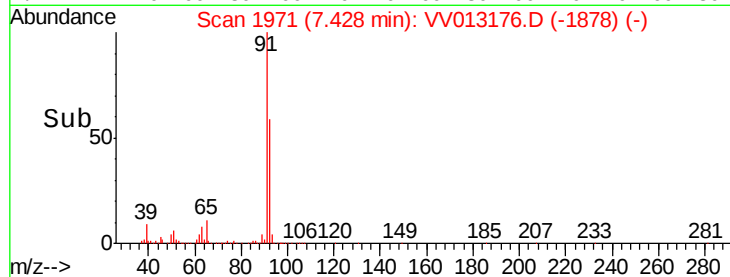
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 6.834 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013176.D

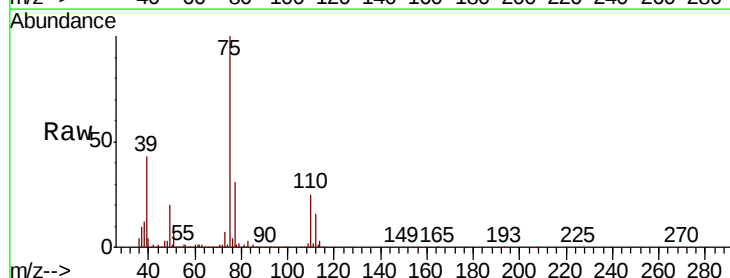
Acq: 17 Oct 2019 17:08

Tgt Ion: 75 Resp: 315184

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

200000

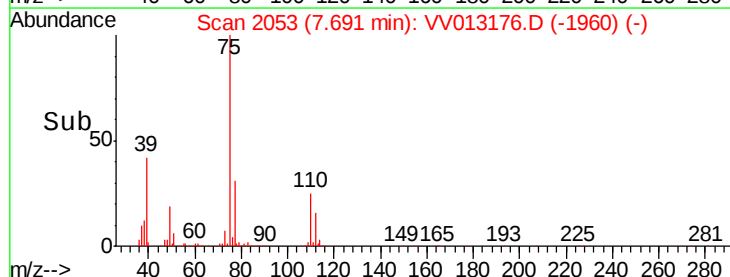
150000

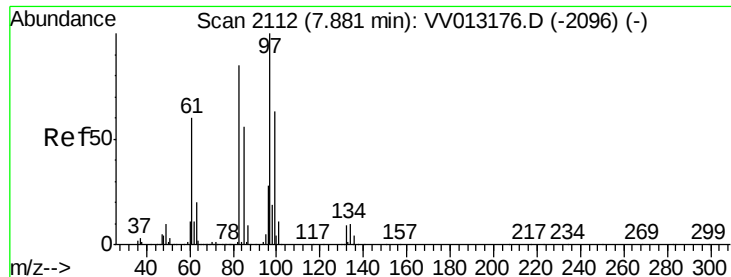
100000

50000

0

Time-->

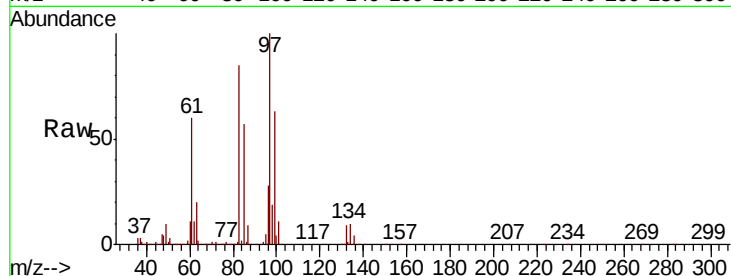




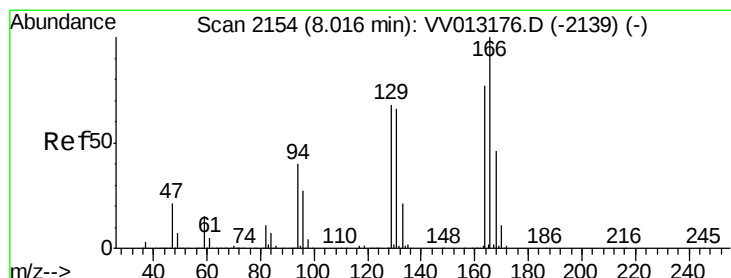
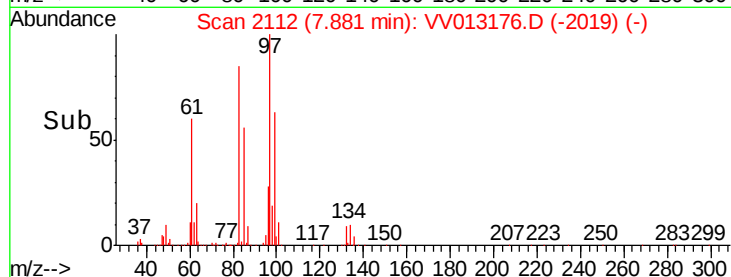
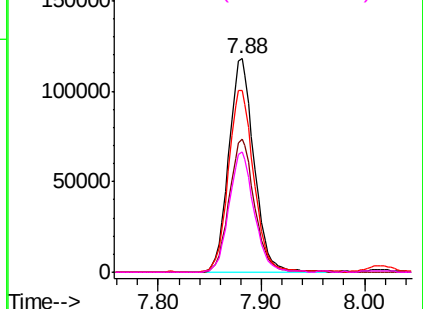
#45
 1,1,2-Trichloroethane
 Concen: 6.350 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	202623
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	85.0	59.5	110.5
85	56.5	39.5	73.4

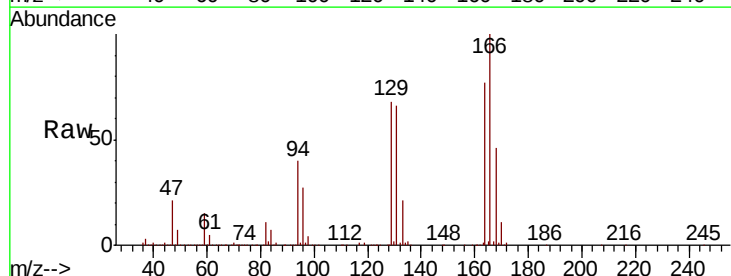


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

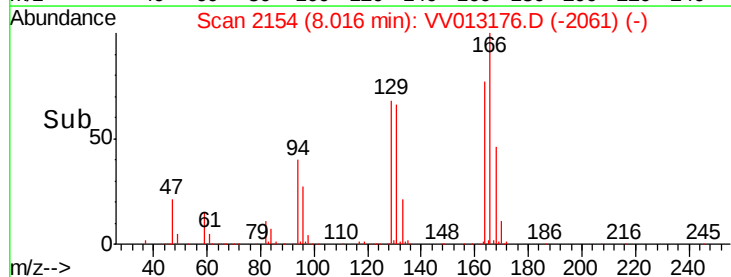
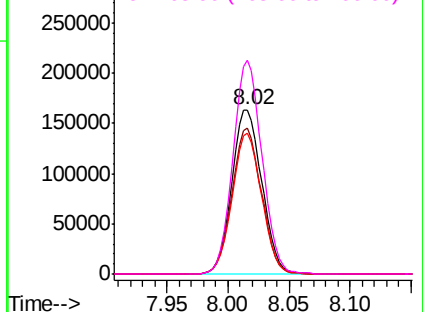


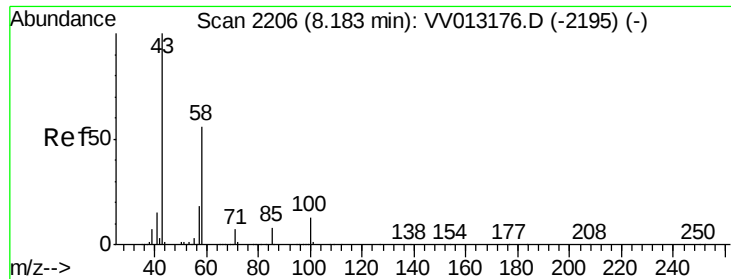
#47
 Tetrachloroethene
 Concen: 7.959 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion:	164	Resp:	280818
Ion	Ratio	Lower	Upper
164	100		
129	88.8	62.2	115.4
131	85.6	59.9	111.3
166	130.1	91.1	169.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



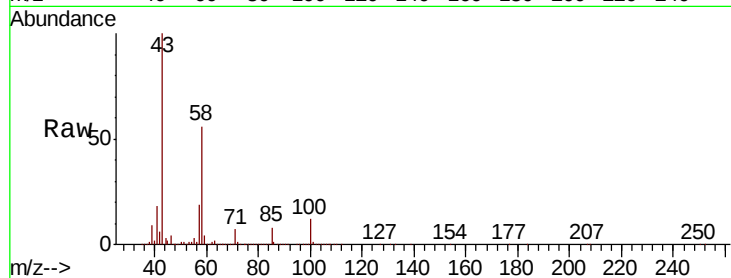


#48
2-Hexanone
Concen: 65.474 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1269767

Ion	Ratio	Lower	Upper
43	100		
58	55.2	44.2	66.2
57	18.1	14.5	21.7
100	11.9	9.5	14.3



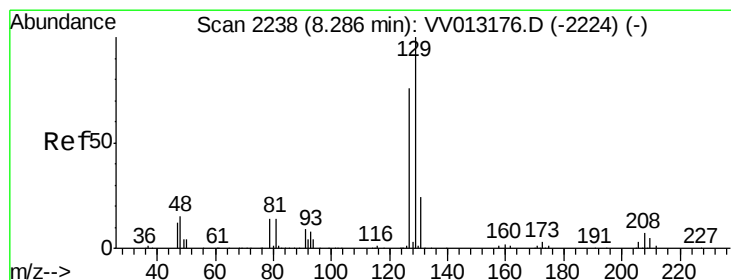
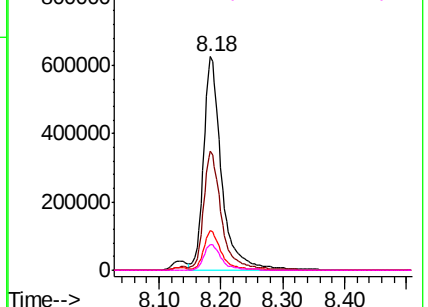
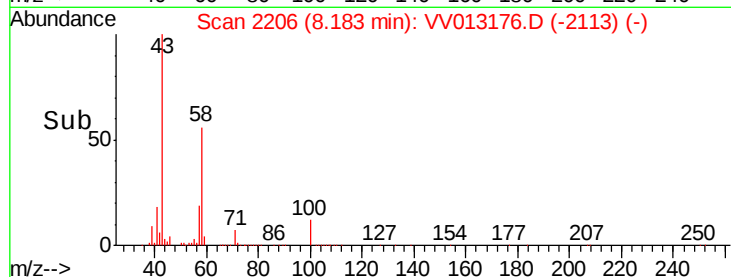
Abundance

Ion 43.05 (42.75 to 43.75): VV013176.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013176.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013176.D (-2195) (-)

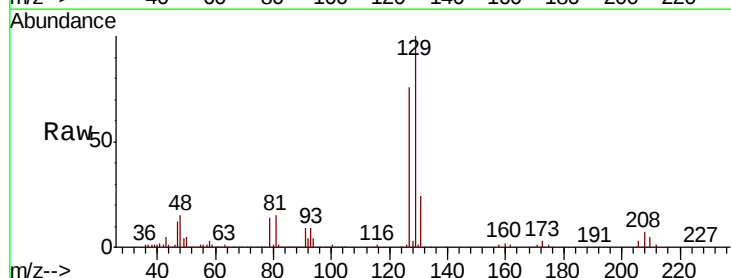
Ion 100.15 (99.85 to 100.85): VV013176.D (-2195) (-)



#49
Dibromochloromethane
Concen: 6.773 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion: 129 Resp: 251267

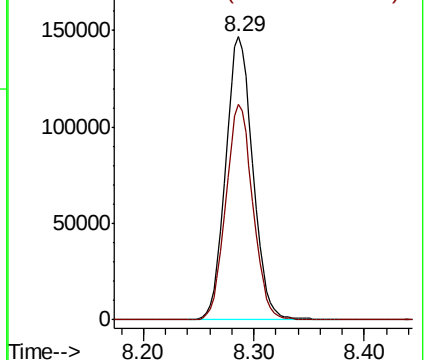
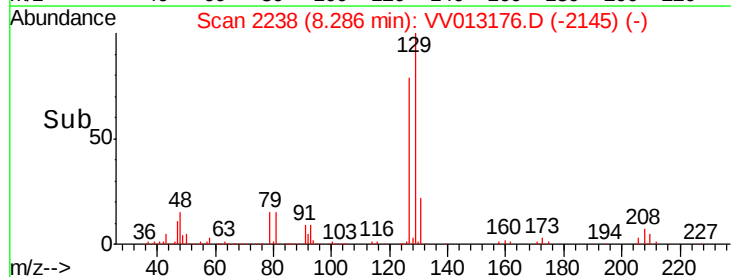
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.2	98.8

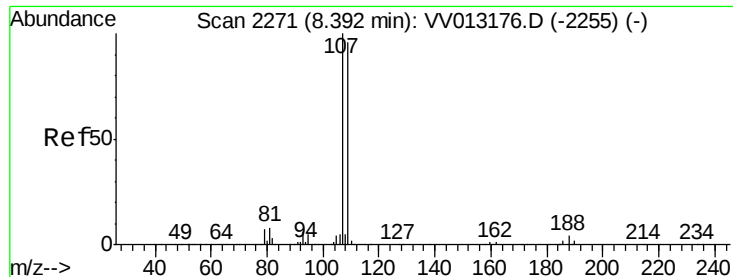


Abundance

Ion 128.95 (128.65 to 129.65): VV013176.D (-2224) (-)

Ion 126.90 (126.60 to 127.60): VV013176.D (-2224) (-)

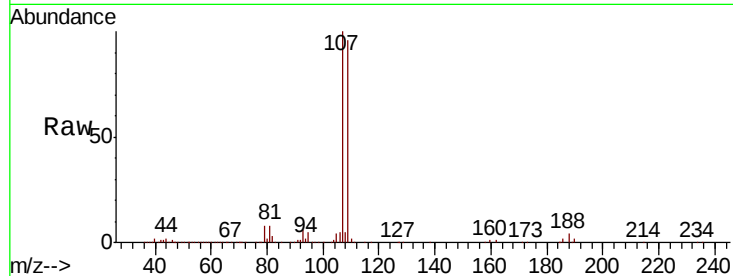




#50
1,2-Dibromoethane
Concen: 6.914 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	67.3	124.9
188	4.1	3.3	4.9

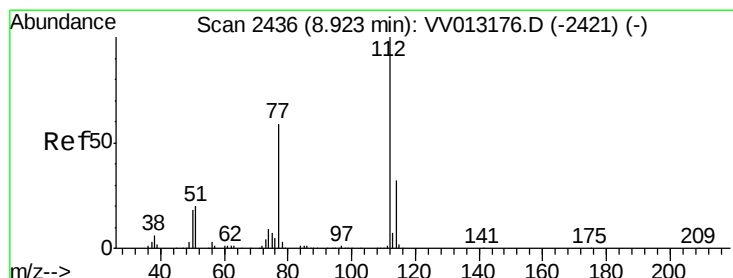
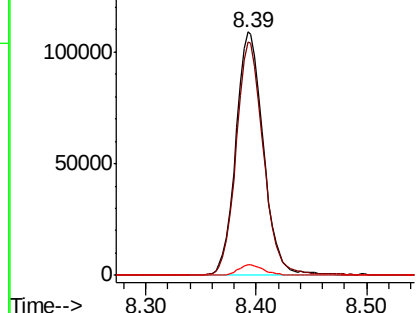
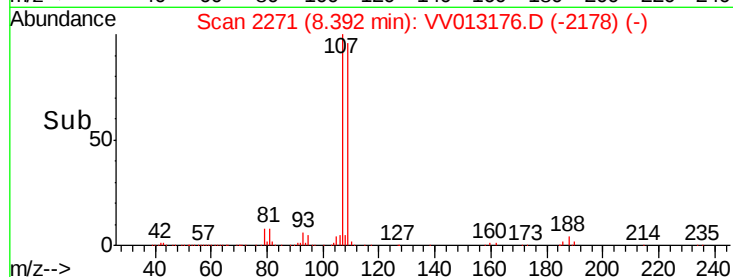


Abundance

Ion 106.95 (106.65 to 107.65): V

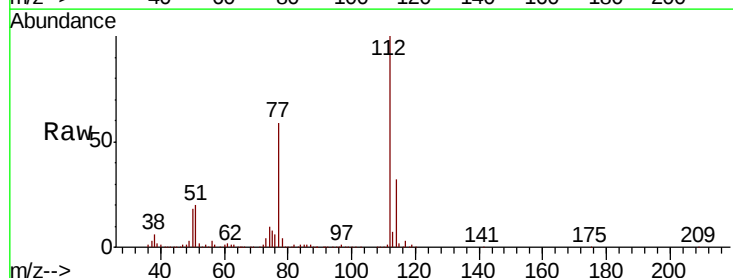
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 7.087 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	59.4	47.5	71.3

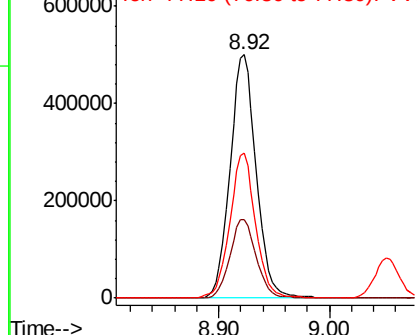
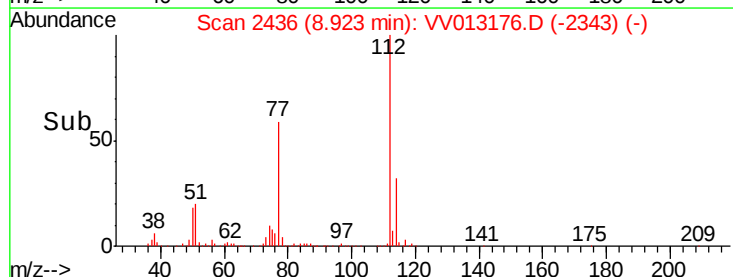


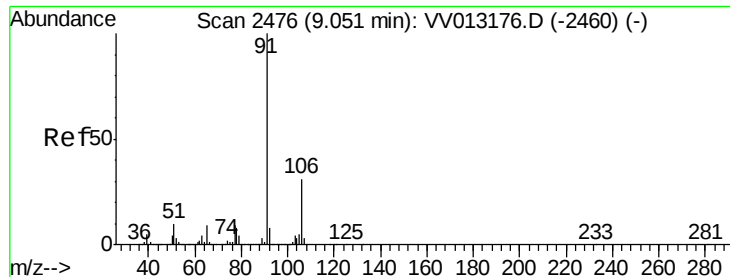
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

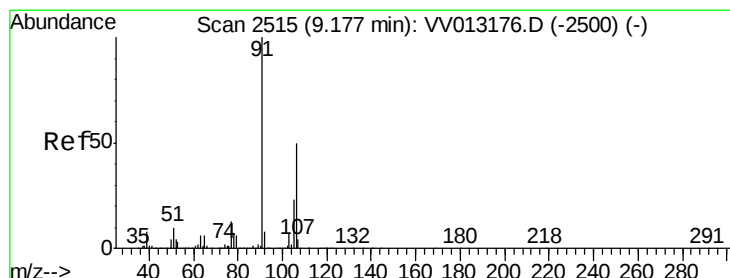
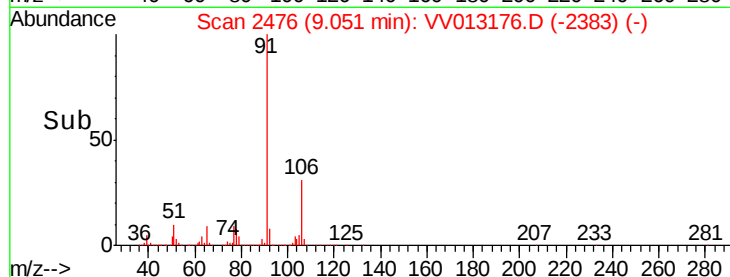
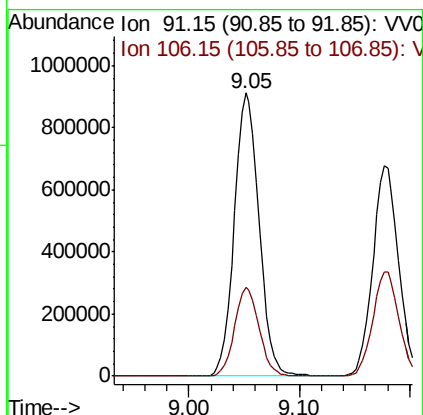
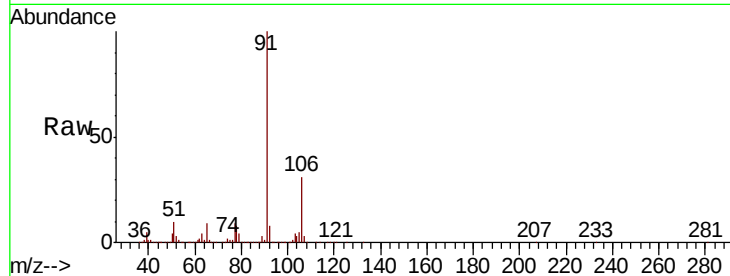




#52
Ethylbenzene
Concen: 7.643 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

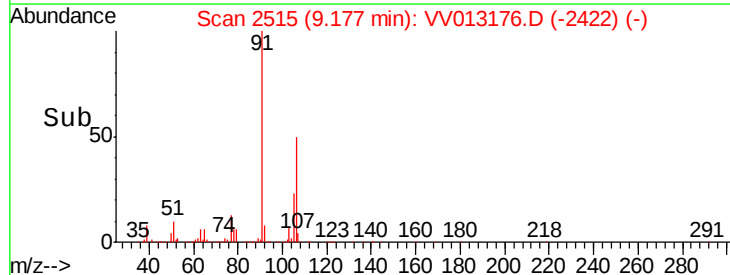
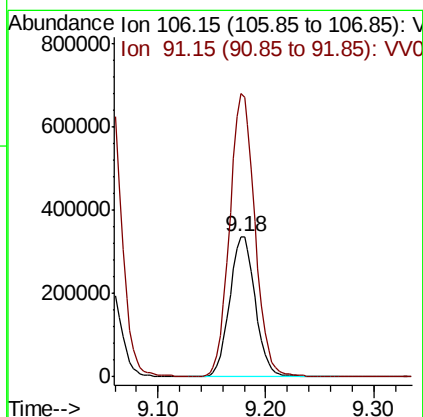
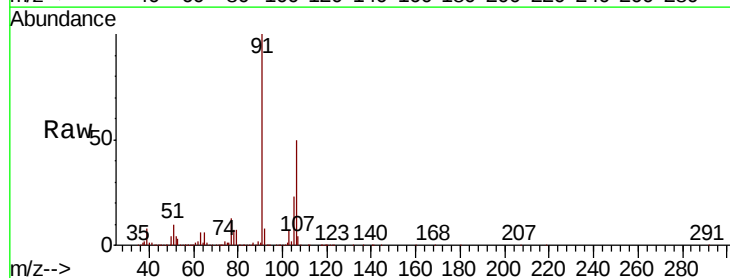
Instrument :
MSVOA_V
ClientSampled :

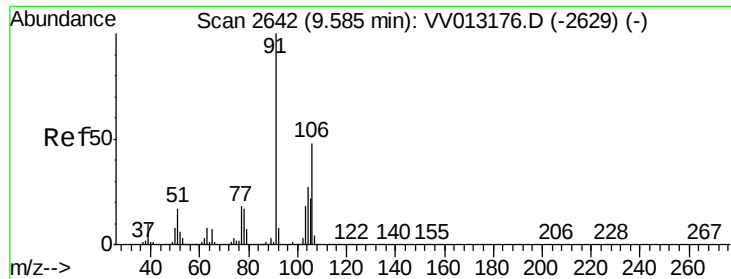
Tot Ion: 91 Resp: 1418549
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-xylene
Concen: 7.957 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013176.D
Acq: 17 Oct 2019 17:08

Tgt Ion: 106 Resp: 551968
Ion Ratio Lower Upper
106 100
91 201.9 141.3 262.5





#54

o-xylene

Concen: 7.802 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

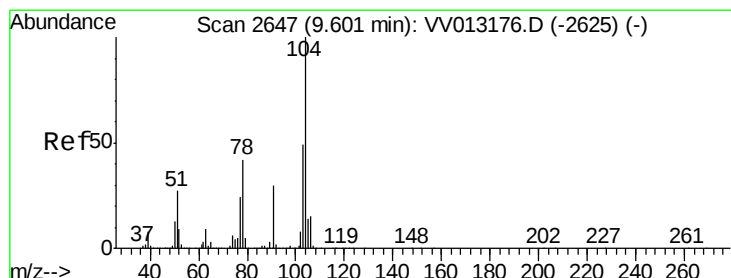
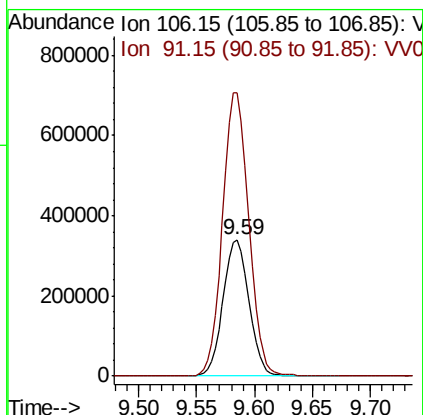
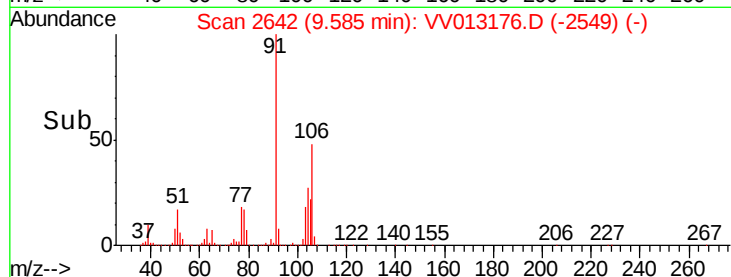
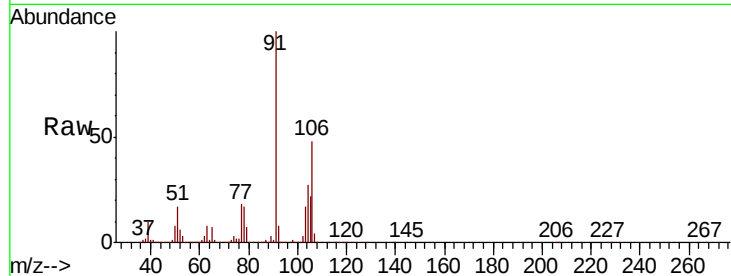
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 527592

Ion Ratio Lower Upper

106 100

91 207.6 145.3 269.9



#55

Styrene

Concen: 7.808 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013176.D

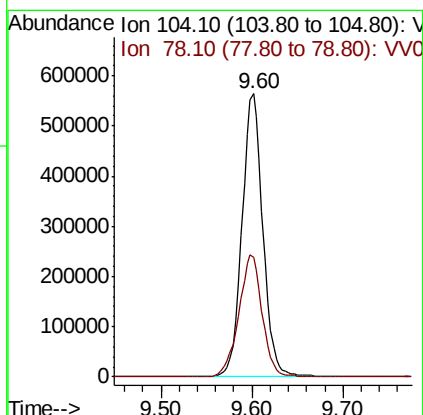
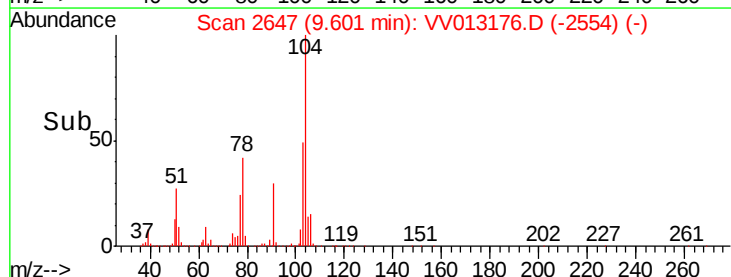
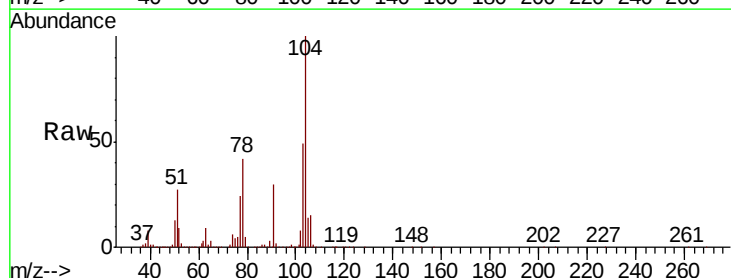
Acq: 17 Oct 2019 17:08

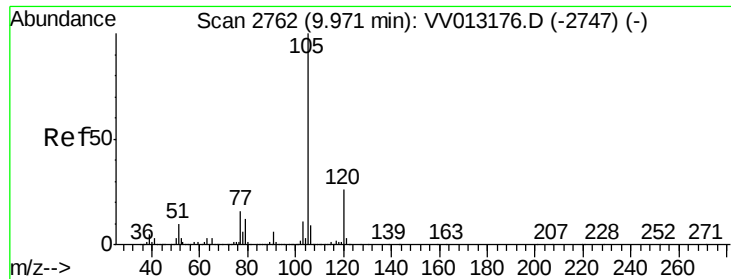
Tgt Ion:104 Resp: 896491

Ion Ratio Lower Upper

104 100

78 42.2 29.5 54.9





#56

Isopropylbenzene

Concen: 7.776 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

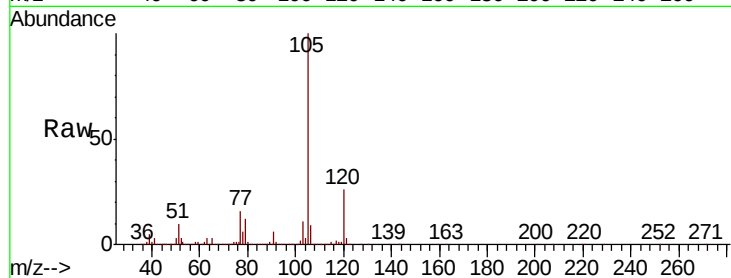
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:105 Resp: 1404621

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.6
77	15.5	12.4	18.6

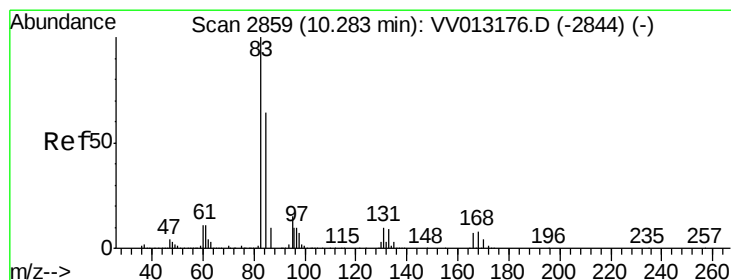
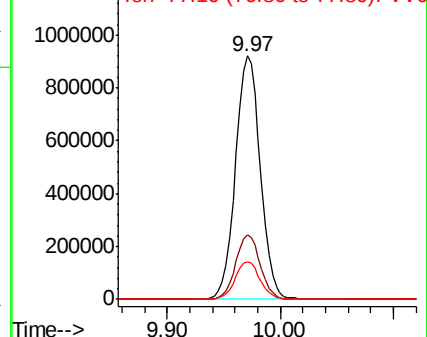
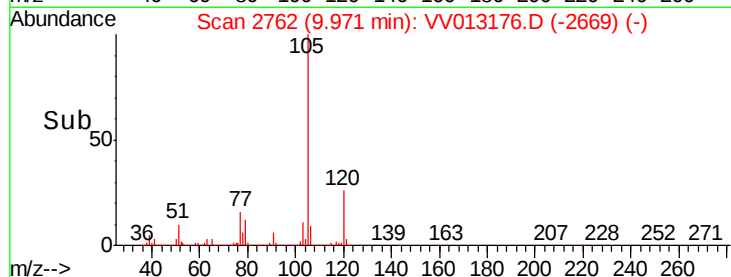


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.282 ug/L

RT: 10.28 min Scan# 2859

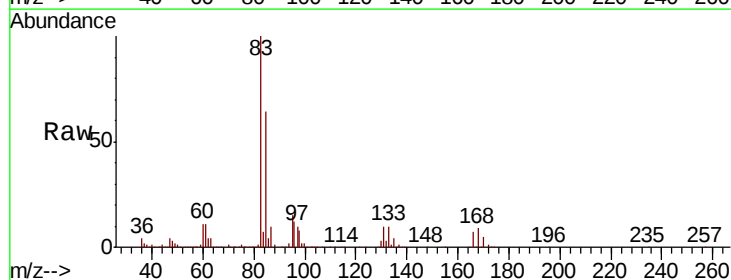
Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Tgt Ion: 83 Resp: 248056

Ion	Ratio	Lower	Upper
83	100		
85	63.7	44.6	82.8
131	10.4	8.3	12.5

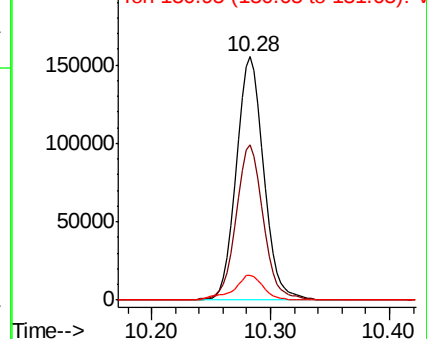
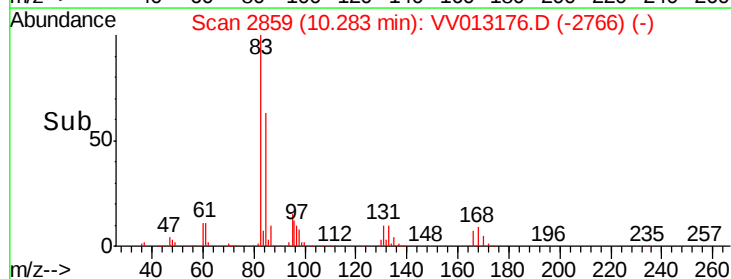


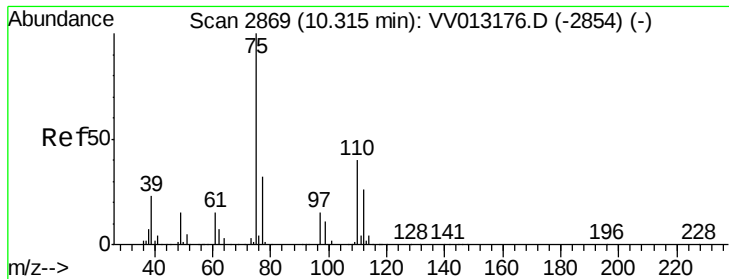
Abundance

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.325 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

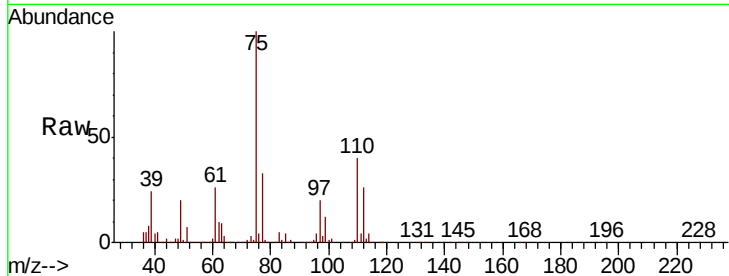
ClientSampled :

Tot Ion: 75 Resp: 174444

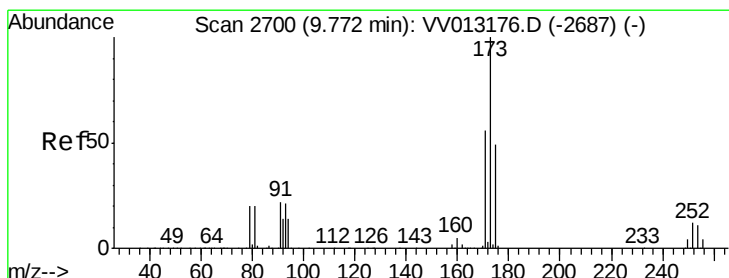
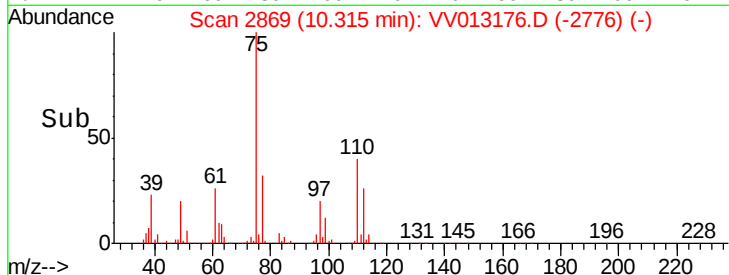
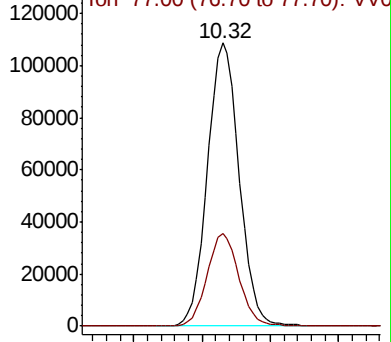
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV013176.D (-2854) (-)



#61

Bromoform

Concen: 5.955 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

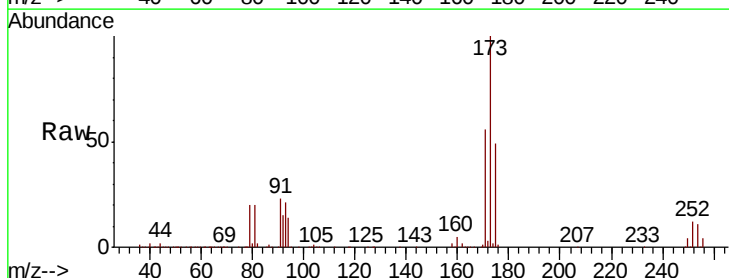
Tgt Ion: 173 Resp: 140248

Ion Ratio Lower Upper

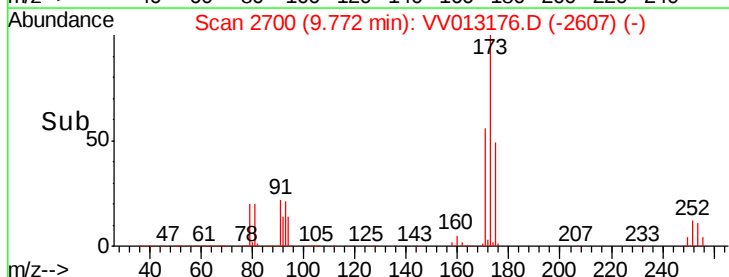
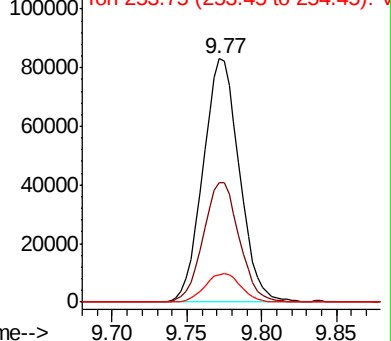
173 100

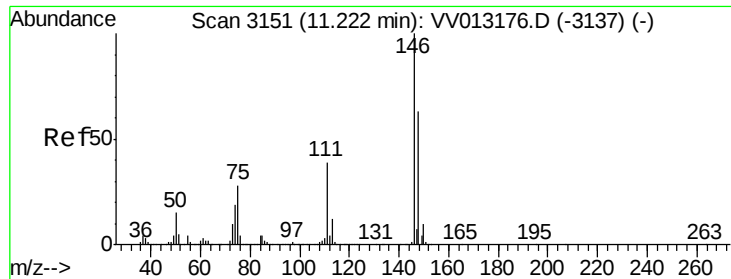
175 48.9 39.1 58.7

254 11.8 9.4 14.2



Abundance Ion 172.90 (172.60 to 173.60): VV013176.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 6.380 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

ClientSampled :

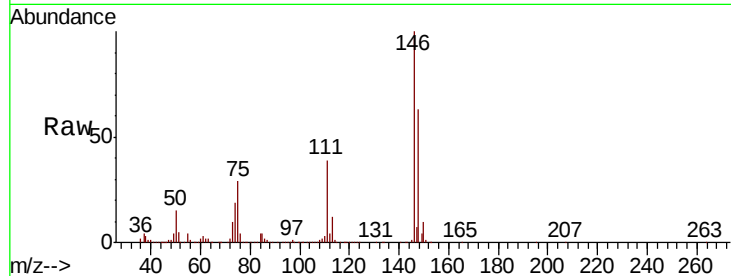
Tot Ion:146 Resp: 666434

Ion Ratio Lower Upper

146 100

111 38.7 27.1 50.3

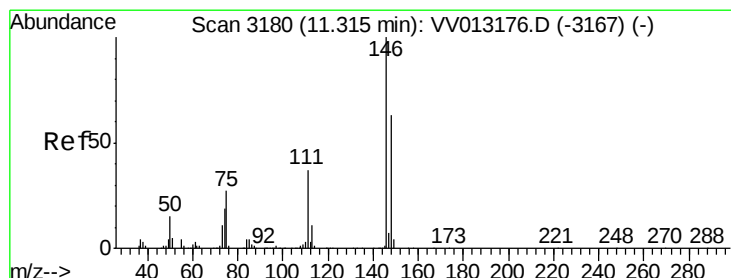
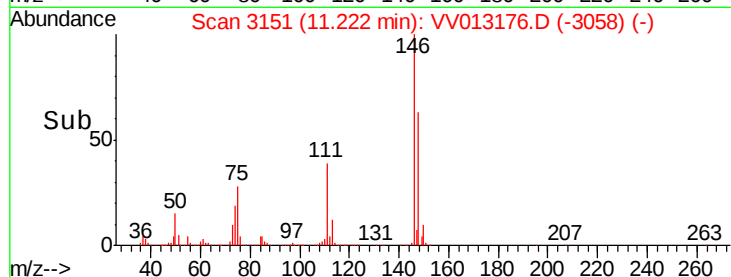
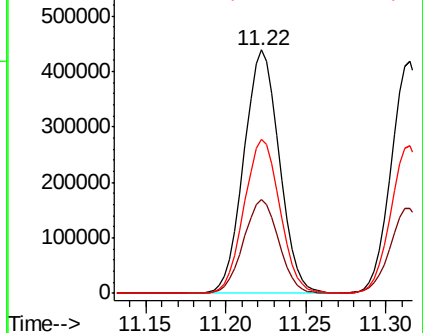
148 63.5 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.093 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

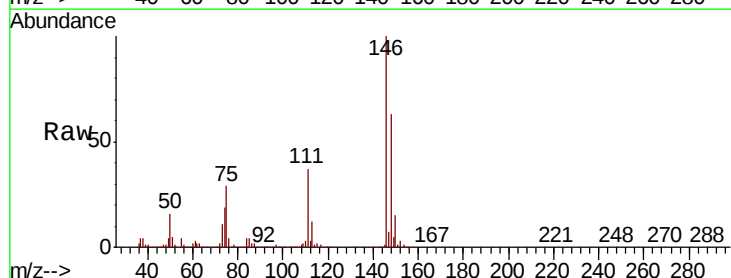
Tgt Ion:146 Resp: 645341

Ion Ratio Lower Upper

146 100

111 36.7 25.7 47.7

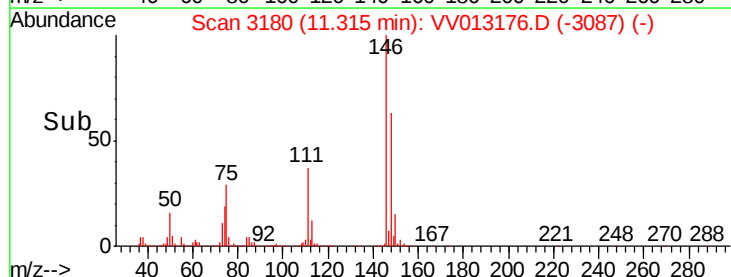
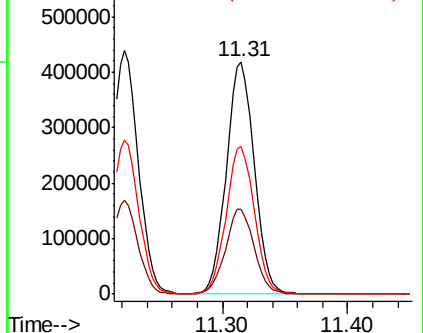
148 63.5 44.4 82.5

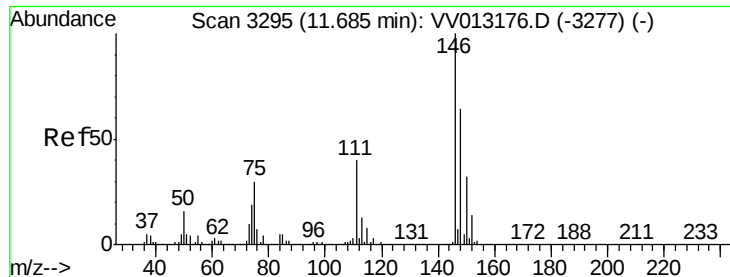


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.978 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

ClientSampled :

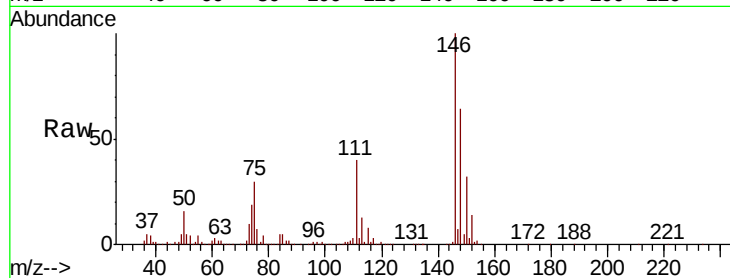
Tot Ion:146 Resp: 604823

Ion Ratio Lower Upper

146 100

111 39.9 31.9 47.9

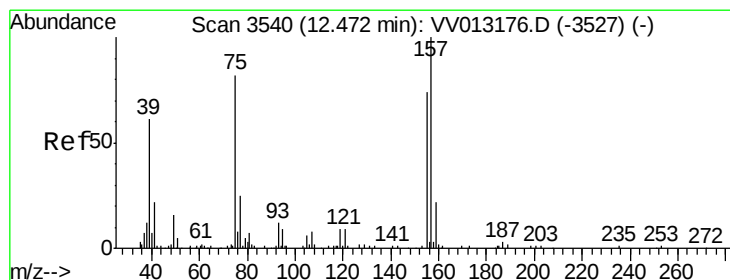
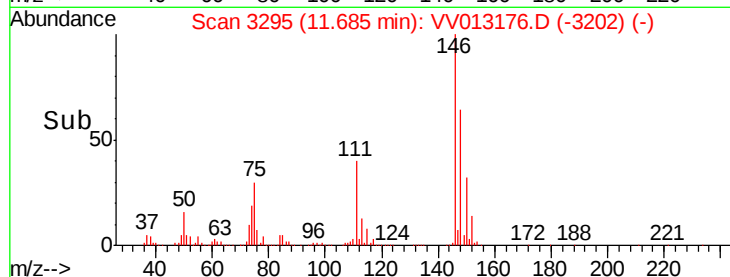
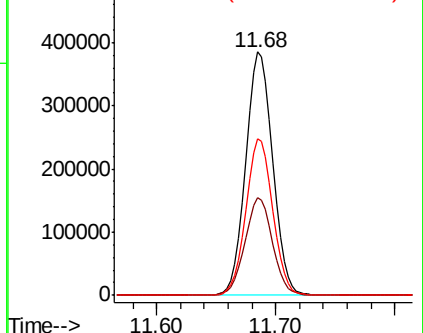
148 64.3 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.298 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

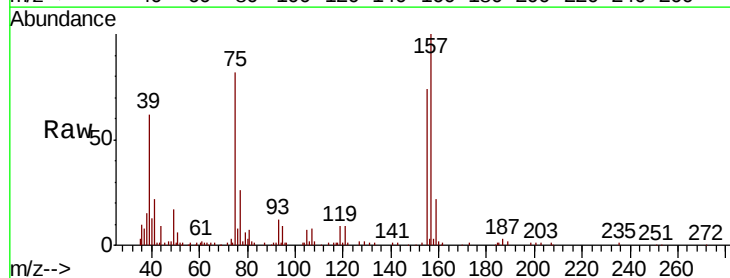
Tgt Ion: 75 Resp: 36050

Ion Ratio Lower Upper

75 100

155 89.9 71.9 107.9

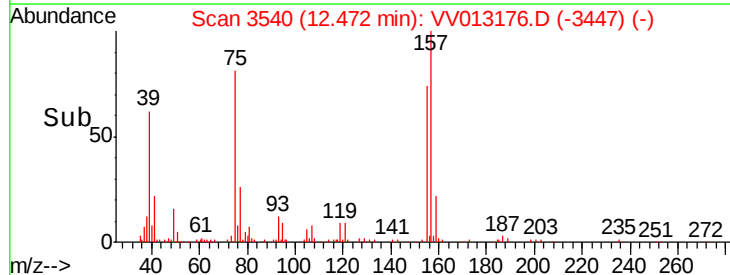
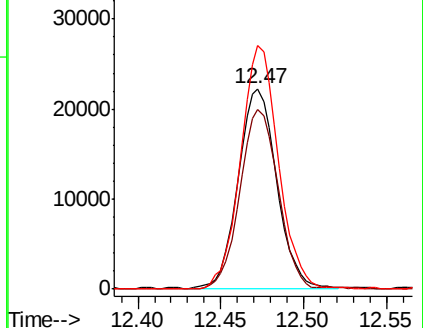
157 121.6 97.3 145.9

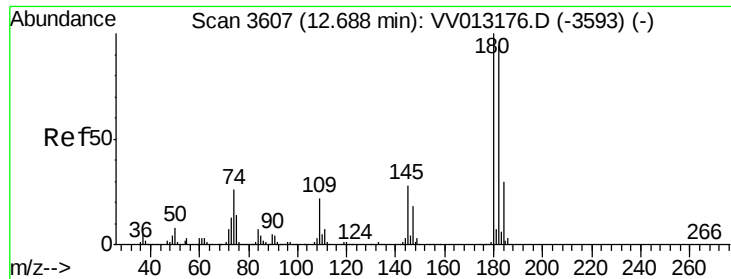


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

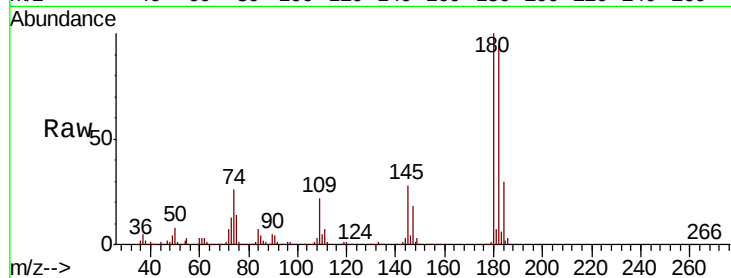




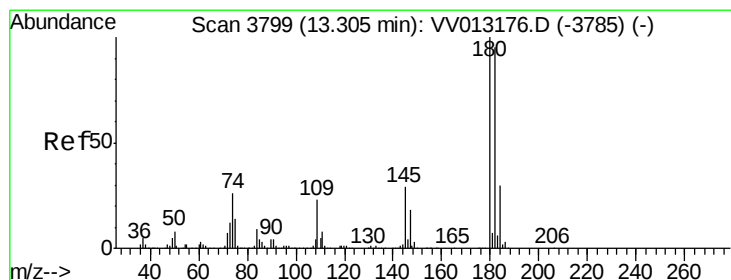
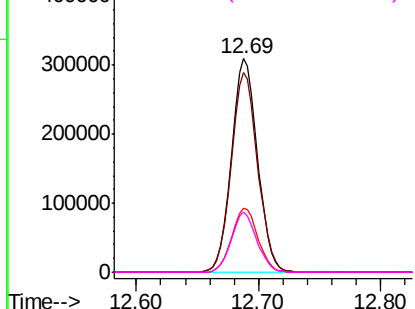
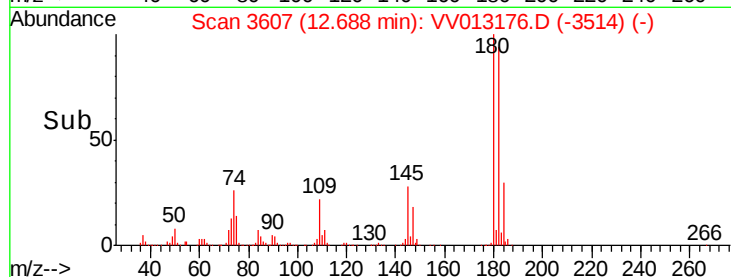
#67
 1,3,5-Trichlorobenzene
 Concen: 5.777 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	459833
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.8 113.6
184	30.3	24.2 36.4
145	27.6	22.1 33.1

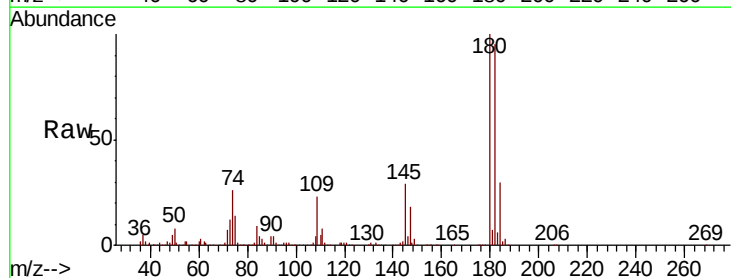


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

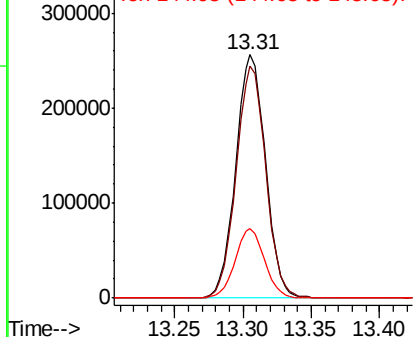
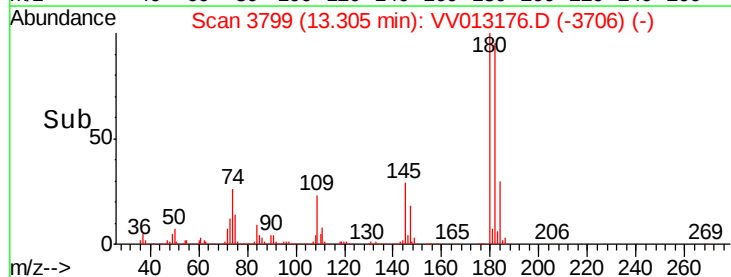


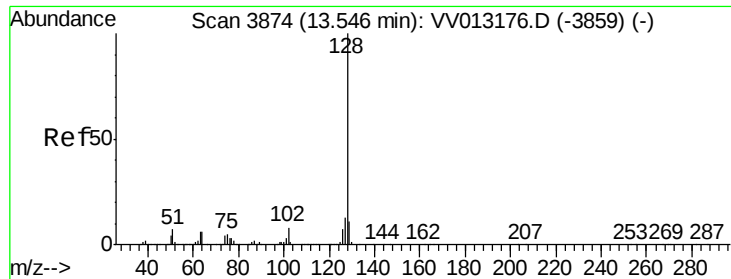
#68
 1,2,4-trichlorobenzene
 Concen: 5.997 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013176.D
 Acq: 17 Oct 2019 17:08

Tgt Ion:180	Resp:	388577
Ion Ratio	Lower	Upper
180	100	
182	94.9	75.9 113.9
145	28.0	22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.790 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

Instrument :

MSVOA_V

ClientSampleId :

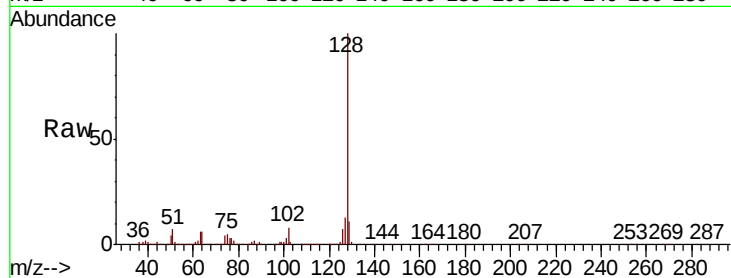
Tot Ion:128 Resp: 562422

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

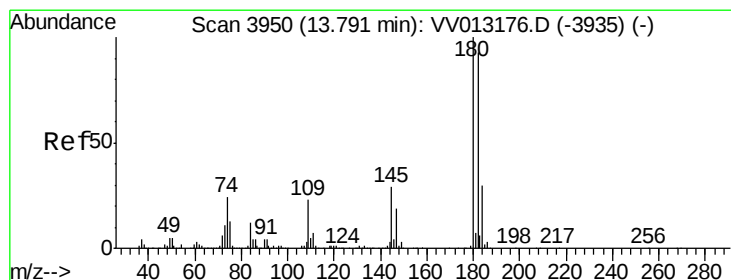
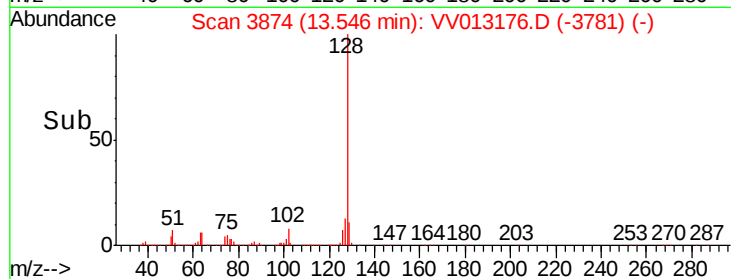
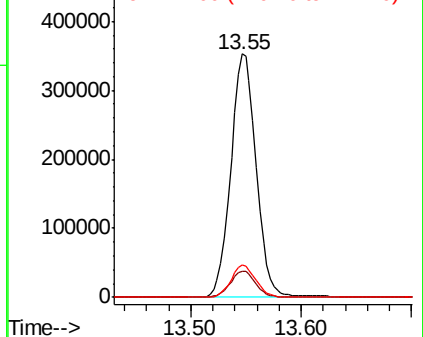
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.982 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013176.D

Acq: 17 Oct 2019 17:08

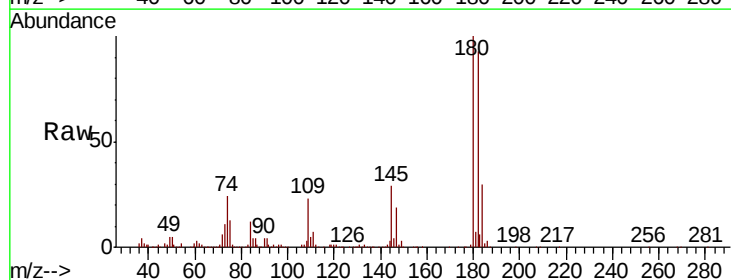
Tgt Ion:180 Resp: 379170

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 29.7 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

