

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013866.D
 Acq On : 02 Dec 2019 12:11
 Operator : SY/MD
 Sample : VSTD01065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 01:26:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	694869	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	657695	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	372524	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41625	10.33	ug/L	0.00
7) Chloroethane-d5	1.58	69	45297	12.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	91868	12.39	ug/L	0.00
21) 2-Butanone-d5	3.78	46	78	0.03	ug/L	-0.14
24) Chloroform-d	4.40	84	85303	9.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	55631	9.81	ug/L	0.00
32) Benzene-d6	5.10	84	172677	9.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	53217	9.56	ug/L	0.00
41) Toluene-d8	7.36	98	152435	9.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	24007	9.30	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	31991	15.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	69054	9.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	77519	10.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65715	11.403	ug/L 97
3) Chloromethane	1.25	50	59518	10.998	ug/L 98
5) Vinyl chloride	1.32	62	59770	11.550	ug/L 89
6) Bromomethane	1.53	94	36824	14.058	ug/L 99
8) Chloroethane	1.60	64	42576	14.017	ug/L 97
9) Trichlorofluoromethane	1.77	101	96518	13.474	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	55990	13.813	ug/L 97
12) 1,1-Dichloroethene	2.14	96	51467	13.330	ug/L 96
13) Acetone	2.18	43	87515	29.443	ug/L 94
14) Carbon disulfide	2.32	76	136338	10.755	ug/L 99
15) Methyl Acetate	2.46	43	55492	11.120	ug/L 97
16) Methylene chloride	2.54	84	54976	11.153	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	49910	10.959	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	142688	10.345	ug/L 98
19) 1,1-Dichloroethane	3.23	63	92605	10.842	ug/L 100
22) 2-Butanone	4.02	43	74563	20.363	ug/L 87
23) Bromochloromethane	4.30	128	30994	11.743	ug/L 99
25) Chloroform	4.42	83	99929	11.256	ug/L 96
27) 1,2-Dichloroethane	5.18	62	71364	10.627	ug/L 97
29) Cyclohexane	4.73	56	72424	9.675	ug/L 99
30) 1,1,1-Trichloroethane	4.66	97	80052	10.864	ug/L 99
31) Carbon tetrachloride	4.87	117	70985	10.795	ug/L 99
33) Benzene	5.15	78	195790	10.512	ug/L 100
34) Trichloroethene	5.96	95	54106	10.854	ug/L 95
35) Methylcyclohexane	6.17	83	71690	9.409	ug/L 93
37) 1,2-Dichloropropane	6.22	63	48431	10.003	ug/L # 93
38) Bromodichloromethane	6.55	83	67049	10.433	ug/L 97
39) cis-1,3-Dichloropropene	7.07	75	70521	9.515	ug/L 99
40) 4-Methyl-2-pentanone	7.27	43	111856	18.163	ug/L 97
42) Toluene	7.43	91	197920	10.231	ug/L 97

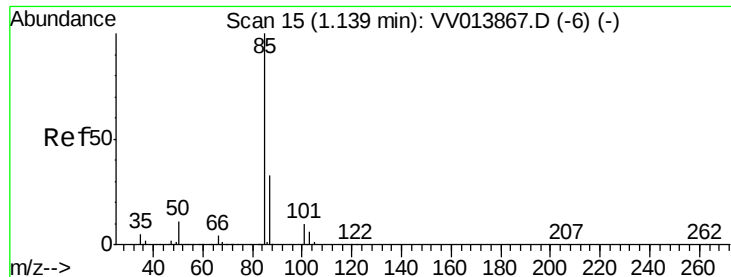
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	64432	10.021	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	46140	10.064	ug/L	96
46) Tetrachloroethene	8.02	164	47970	11.170	ug/L	97
48) 2-Hexanone	8.18	43	87705	18.146	ug/L	98
49) Dibromochloromethane	8.29	129	59037	11.111	ug/L	98
50) 1,2-Dibromoethane	8.39	107	52991	10.921	ug/L	94
51) Chlorobenzene	8.92	112	138204	10.649	ug/L	98
52) Ethylbenzene	9.05	91	209376	9.944	ug/L	100
53) m,p-Xylene	9.18	106	80467	10.009	ug/L	100
54) o-xylene	9.58	106	78713	10.081	ug/L	98
55) Styrene	9.60	104	133187	9.820	ug/L	97
56) Isopropylbenzene	9.97	105	205521	9.873	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	73571	10.439	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	62424	10.628	ug/L	98
61) Bromoform	9.77	173	45759	10.567	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	127009	11.251	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	131212	11.182	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	128156	11.334	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	17815	11.381	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	102255	11.546	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	86082	11.043	ug/L	99
69) Naphthalene	13.55	128	196286	9.425	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	89115	10.712	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.403 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

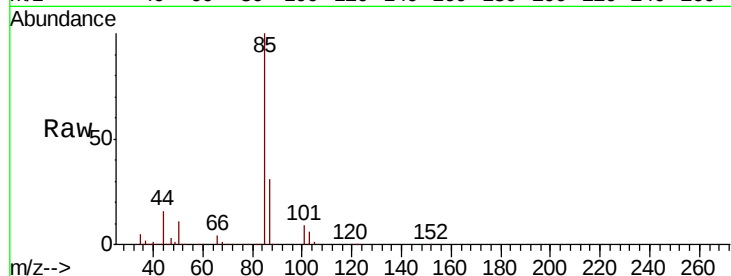
ClientSampleId :

Tot Ion: 85 Resp: 65715

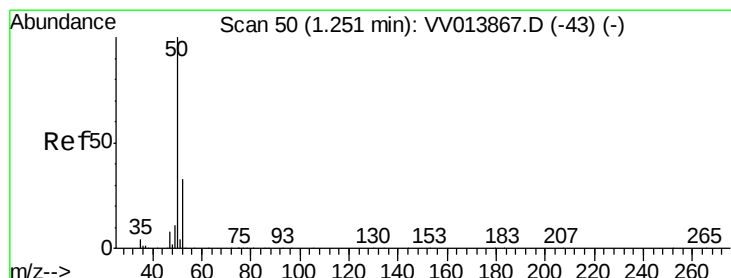
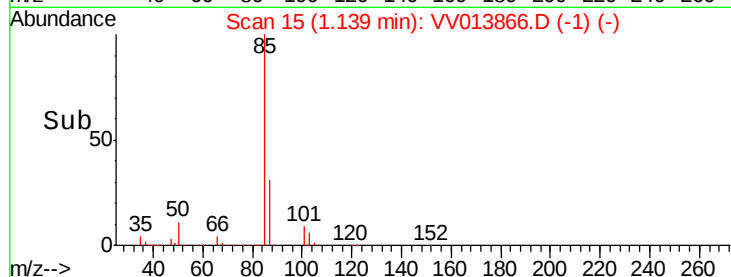
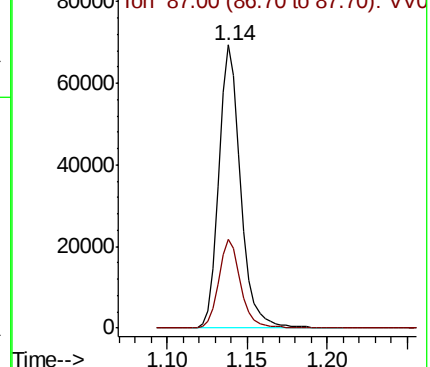
Ion Ratio Lower Upper

85 100

87 31.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013866.D (-6) (-)



#3

Chloromethane

Concen: 10.998 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013866.D

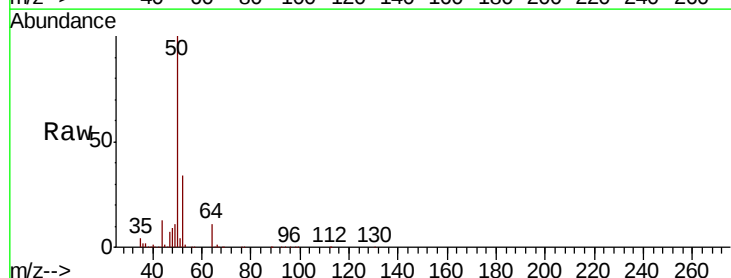
Acq: 02 Dec 2019 12:11

Tgt Ion: 50 Resp: 59518

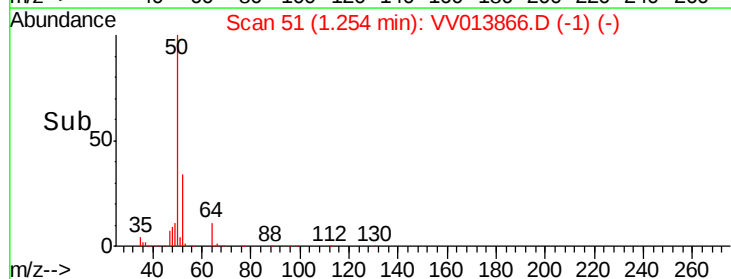
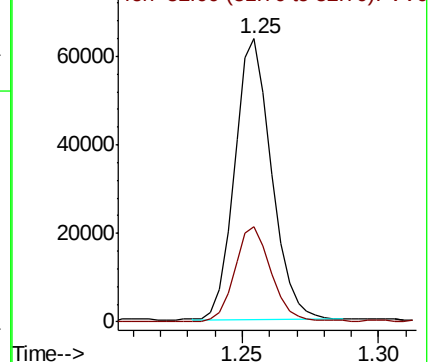
Ion Ratio Lower Upper

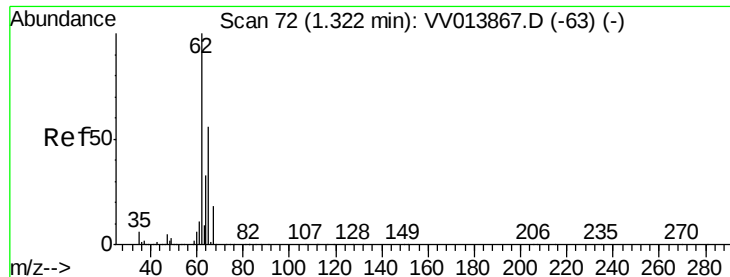
50 100

52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013866.D (-43) (-)





#5

Vinyl chloride

Concen: 11.550 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

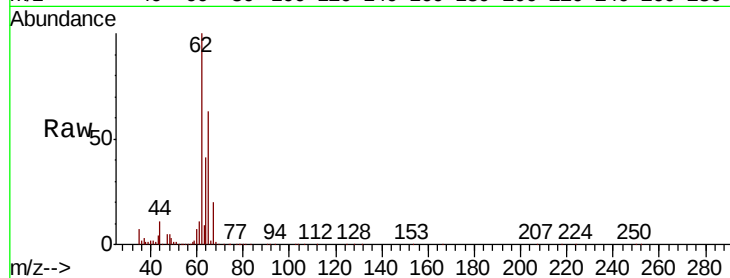
ClientSampled :

Tot Ion: 62 Resp: 59770

Ion Ratio Lower Upper

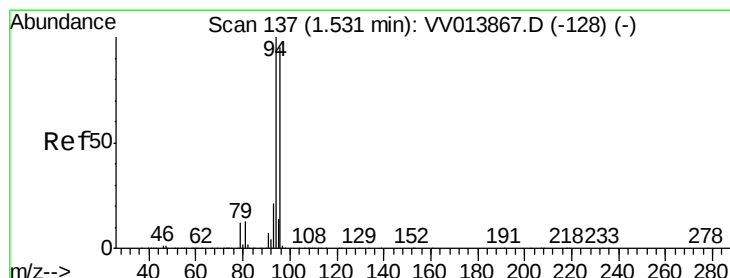
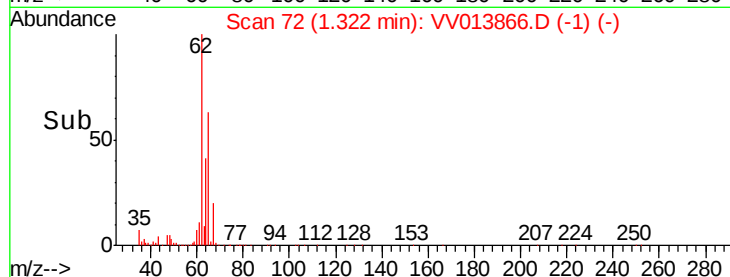
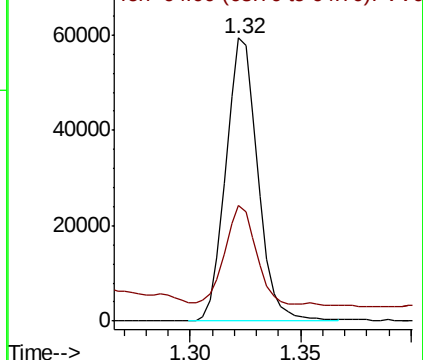
62 100

64 40.9 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 14.058 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013866.D

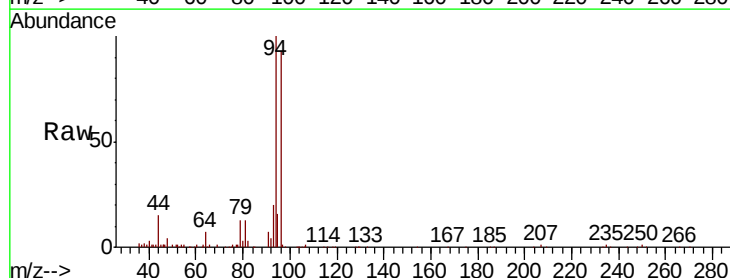
Acq: 02 Dec 2019 12:11

Tgt Ion: 94 Resp: 36824

Ion Ratio Lower Upper

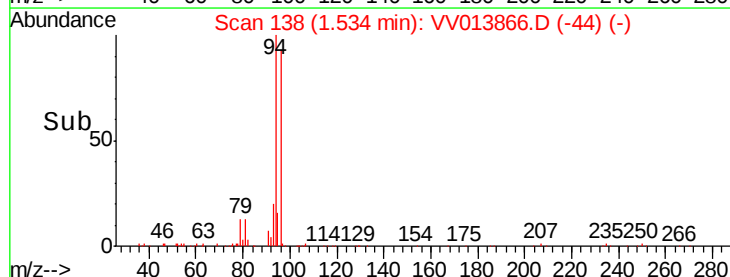
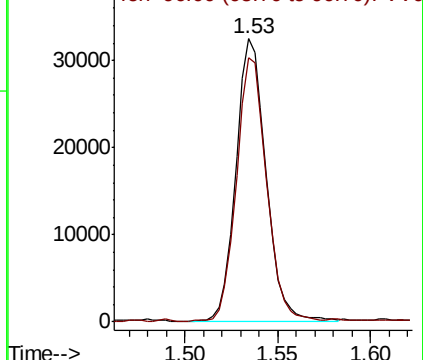
94 100

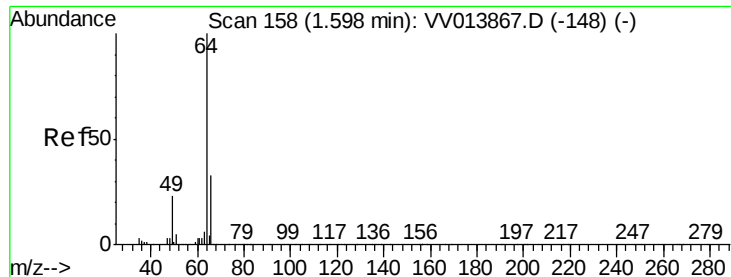
96 93.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 14.017 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

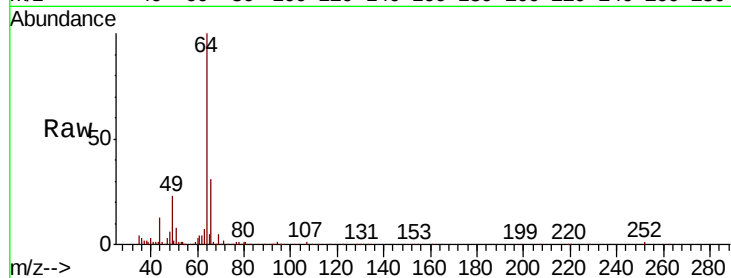
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 42576

Ion Ratio Lower Upper

64 100

66 30.6 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV013867.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV013867.D (-148) (-)

1.60

40000

30000

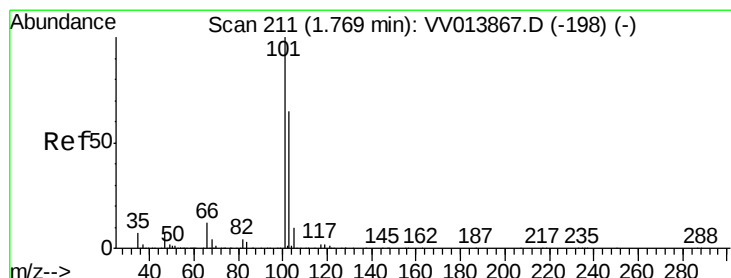
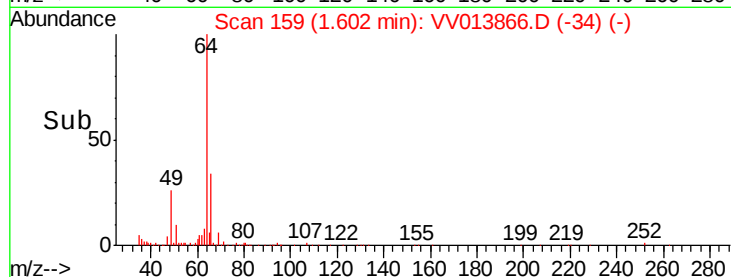
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 13.474 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV013866.D

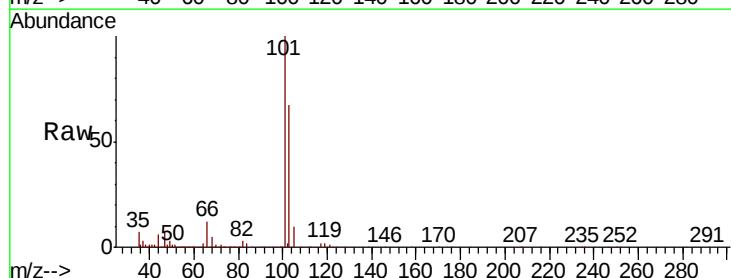
Acq: 02 Dec 2019 12:11

Tgt Ion: 101 Resp: 96518

Ion Ratio Lower Upper

101 100

103 66.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV013867.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013867.D (-198) (-)

1.77

80000

60000

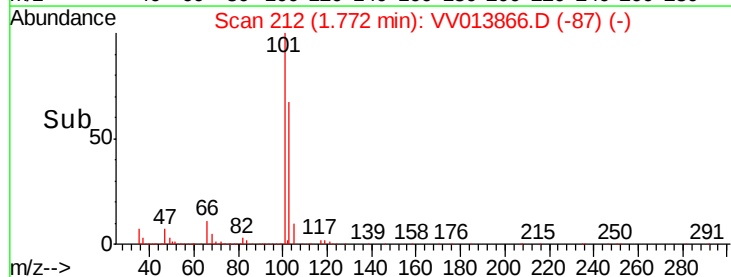
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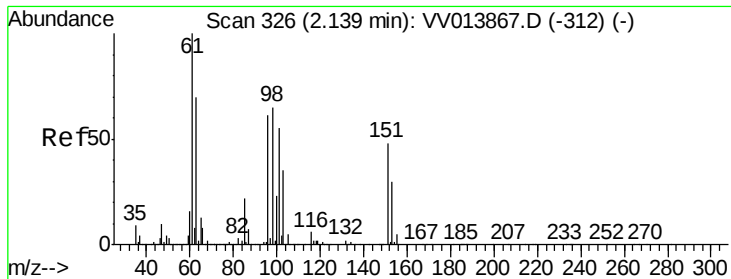
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 13.813 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

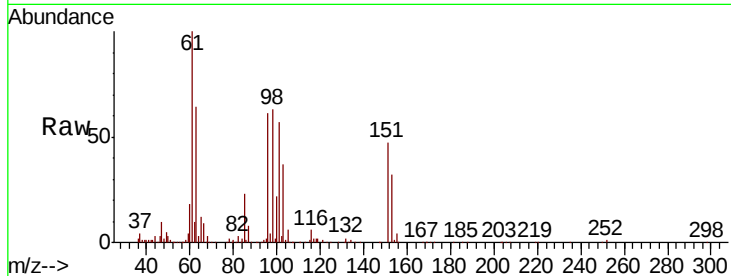
Tot Ion:101 Resp: 55990

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

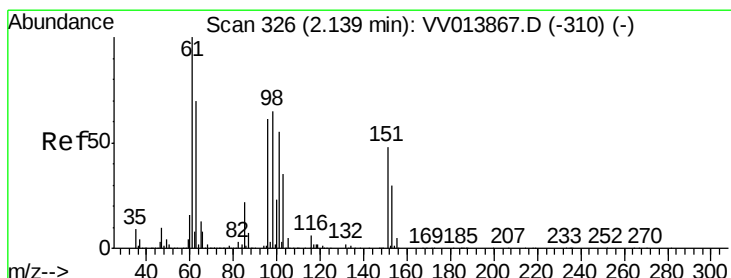
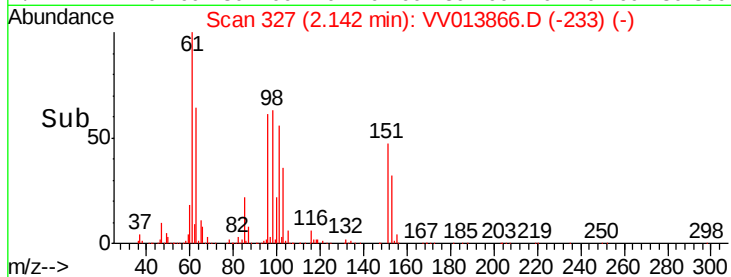
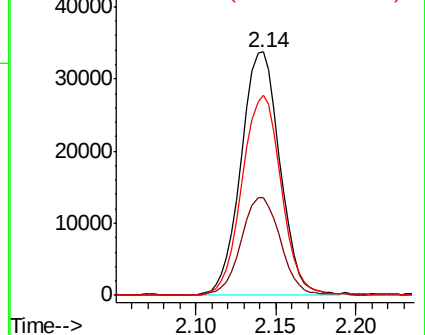
151 82.9 69.8 104.6



Abundance Ion 101.00 (100.70 to 101.70): VV013866.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013866.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013866.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 13.330 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

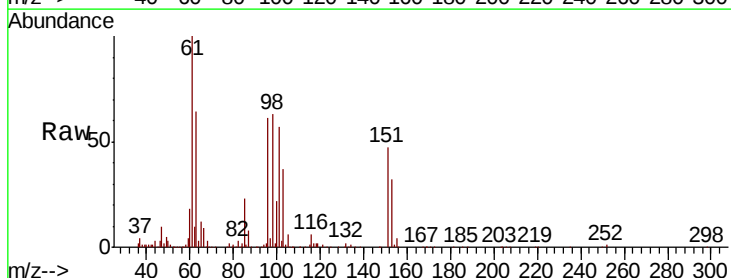
Tgt Ion: 96 Resp: 51467

Ion Ratio Lower Upper

96 100

61 164.2 114.0 211.8

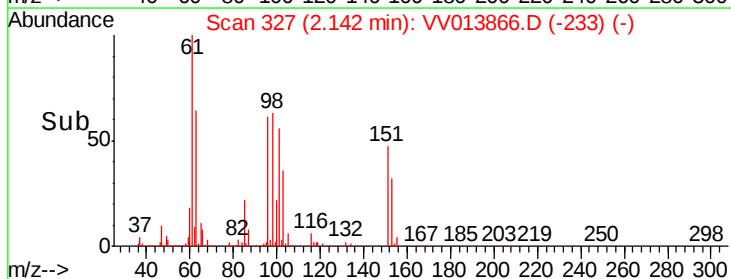
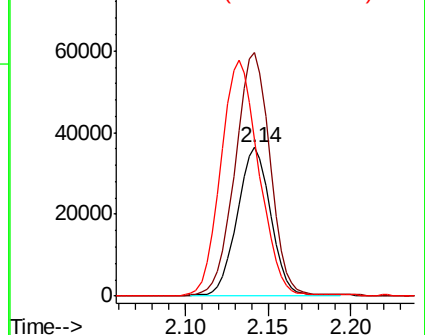
63 105.8 80.3 149.1

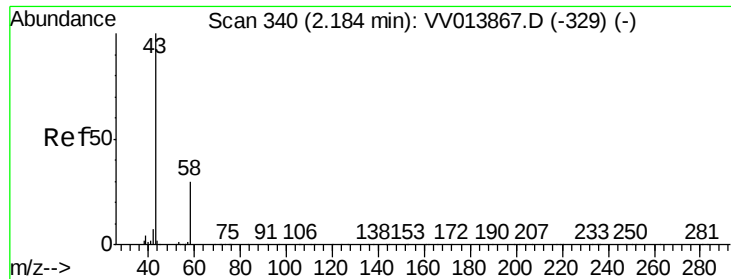


Abundance Ion 96.00 (95.70 to 96.70): VV013866.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV013866.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013866.D (-233) (-)





#13

Acetone

Concen: 29.443 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

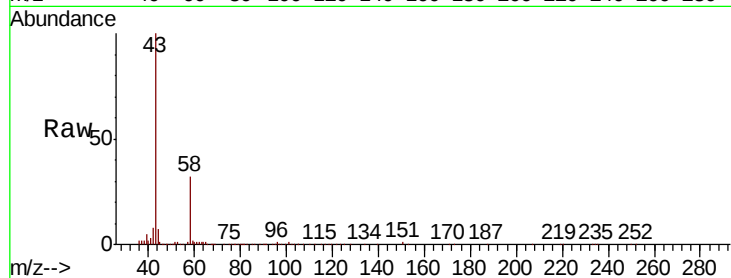
ClientSampleId :

Tot Ion: 43 Resp: 87515

Ion Ratio Lower Upper

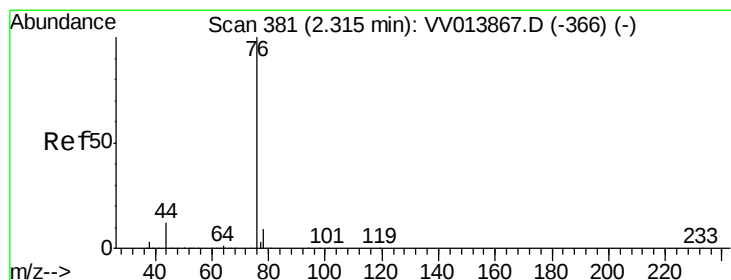
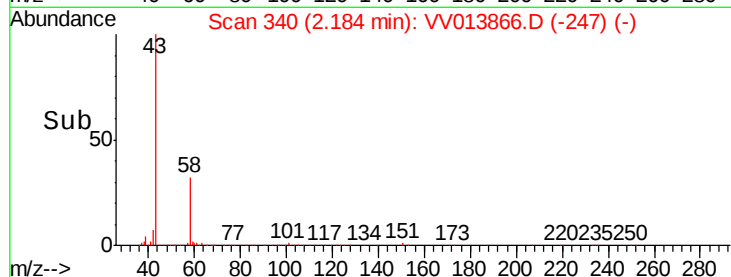
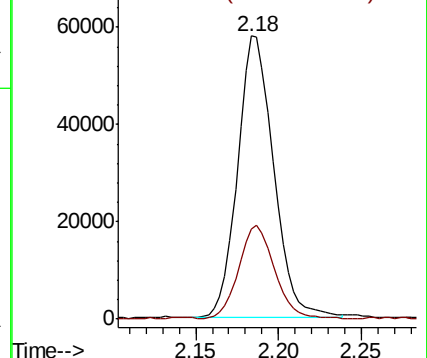
43 100

58 33.7 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 10.755 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013866.D

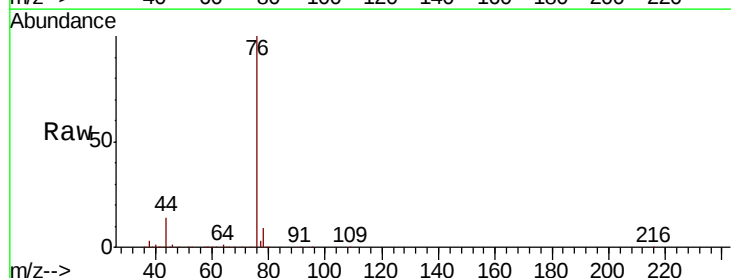
Acq: 02 Dec 2019 12:11

Tgt Ion: 76 Resp: 136338

Ion Ratio Lower Upper

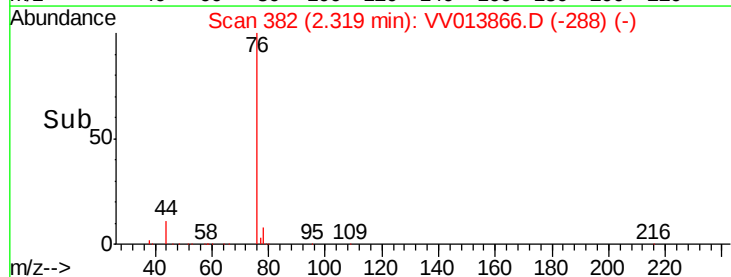
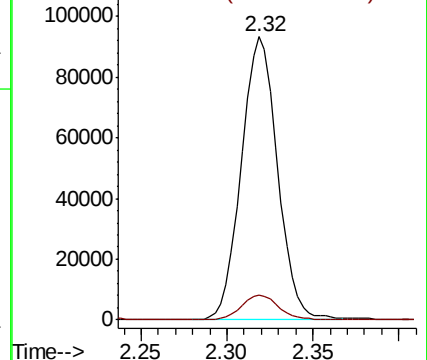
76 100

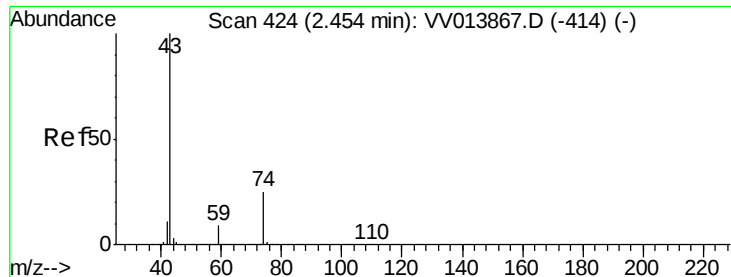
78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 11.120 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

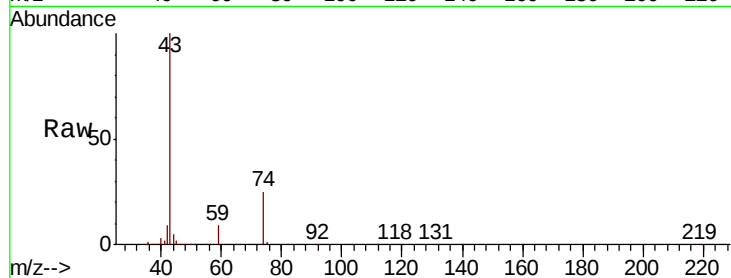
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 55492

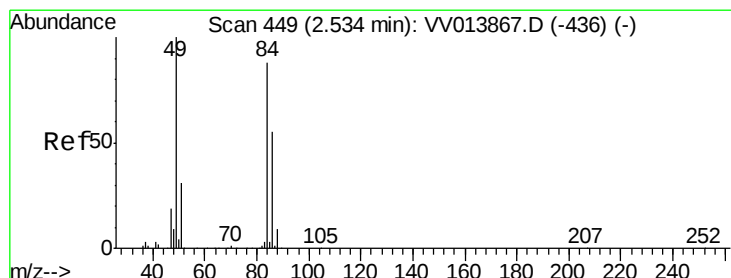
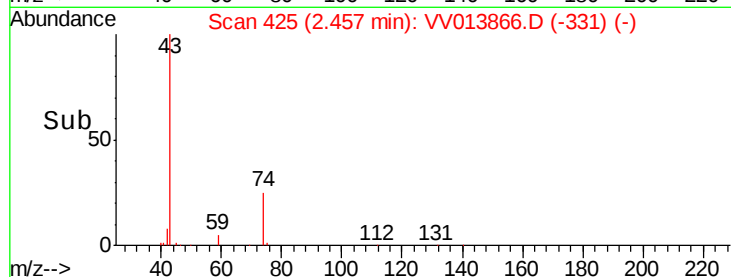
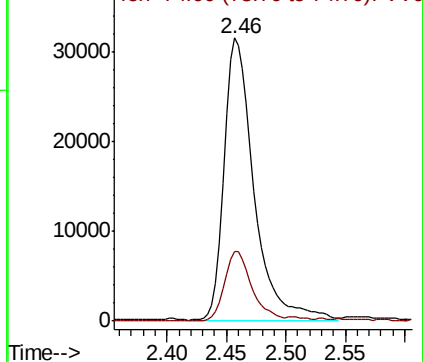
Ion Ratio Lower Upper

43 100

74 22.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 11.153 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

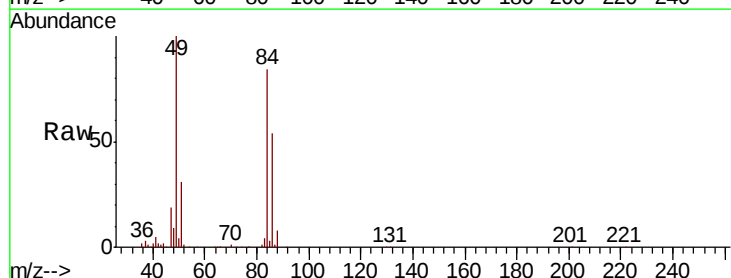
Tgt Ion: 84 Resp: 54976

Ion Ratio Lower Upper

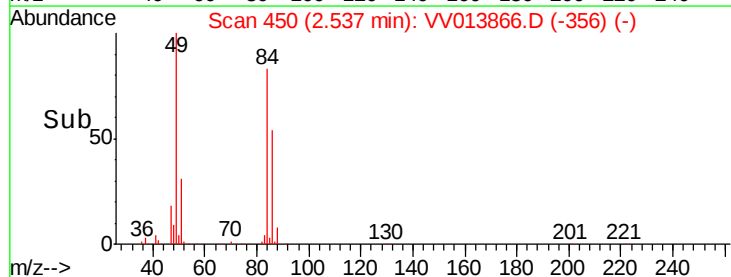
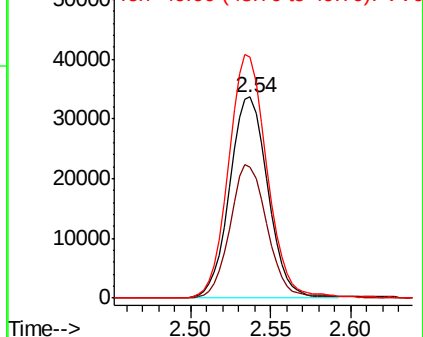
84 100

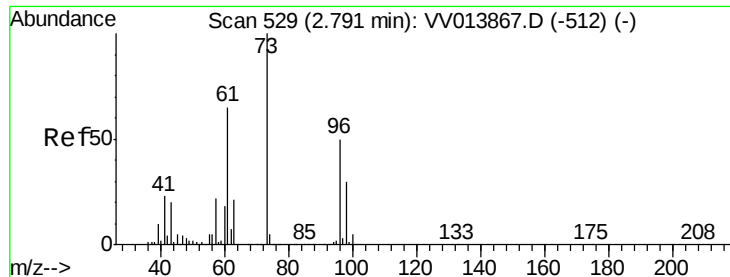
86 65.0 43.9 81.5

49 119.7 79.7 147.9



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

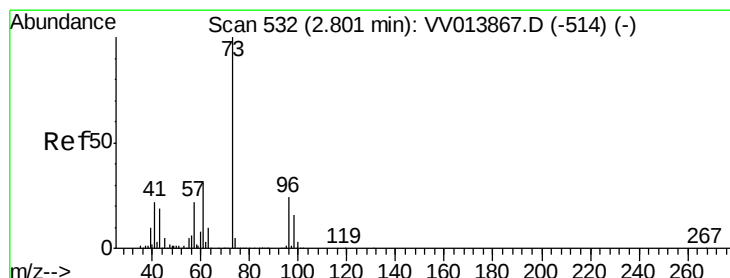
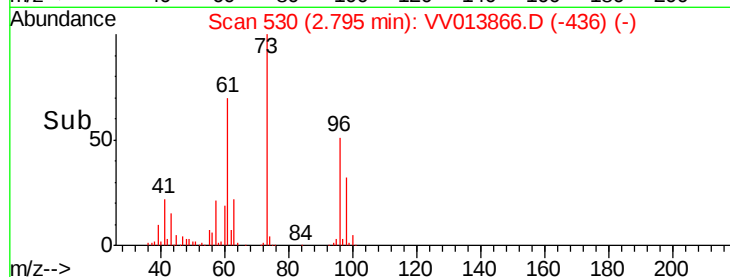
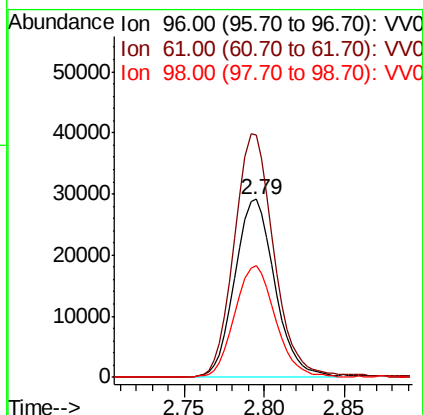
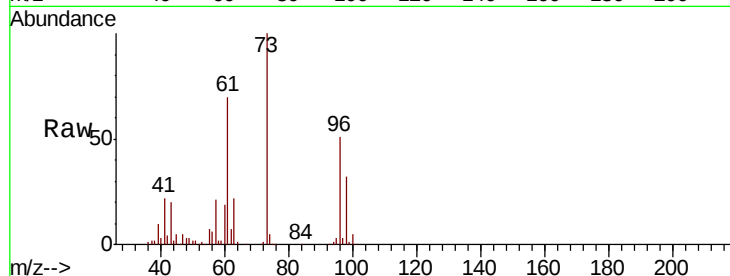




#17
trans-1,2-Dichloroethene
Concen: 10.959 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

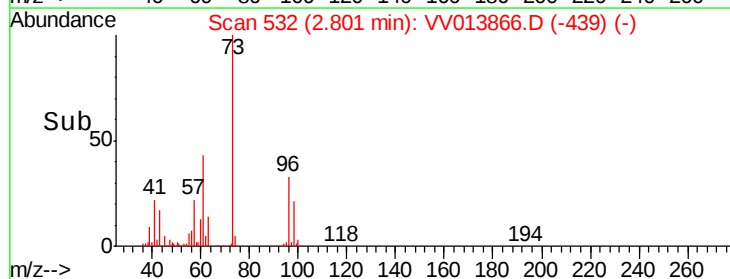
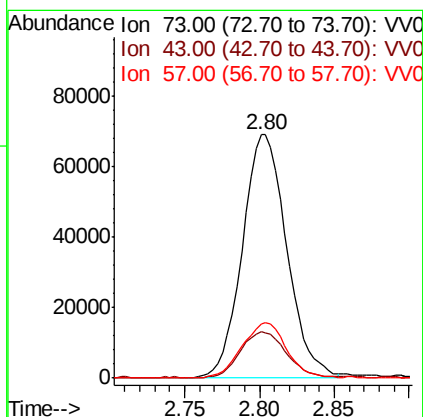
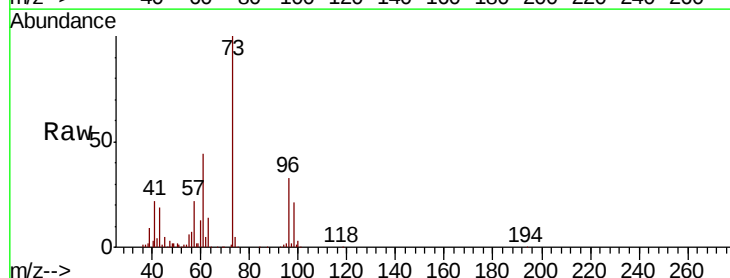
Instrument :
MSVOA_V
ClientSampled :

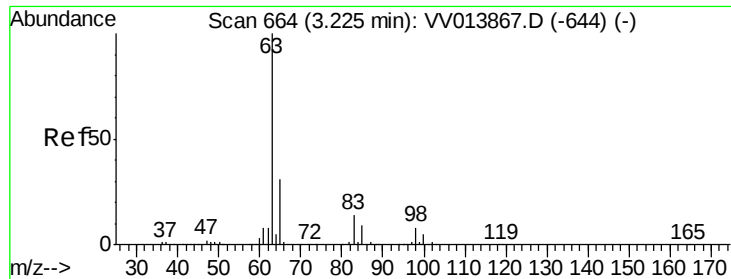
Tot Ion: 96 Resp: 49910
Ion Ratio Lower Upper
96 100
61 136.2 92.2 171.2
98 62.4 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 10.345 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Tgt Ion: 73 Resp: 142688
Ion Ratio Lower Upper
73 100
43 19.4 15.0 22.6
57 22.8 17.4 26.2

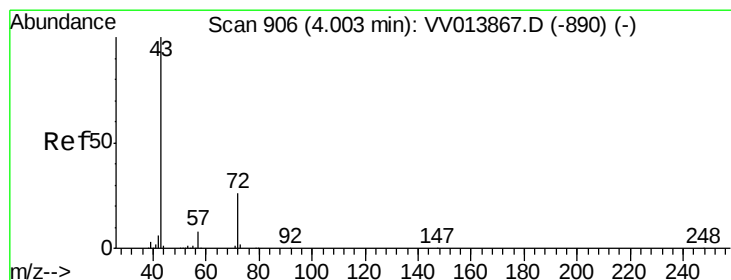
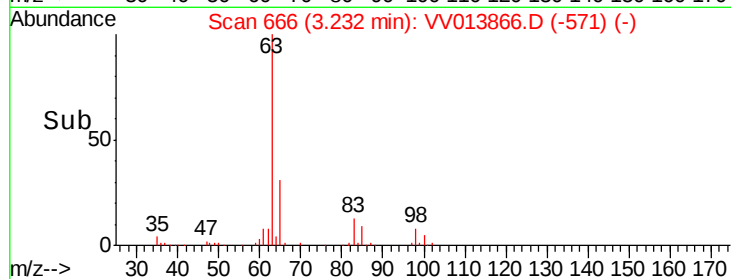
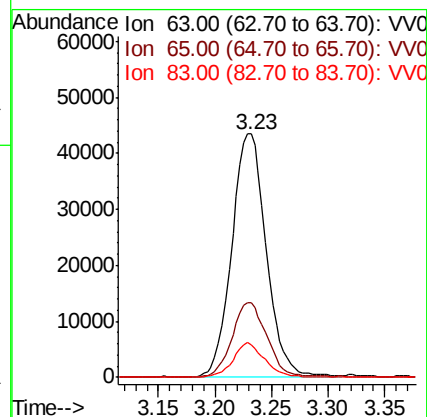
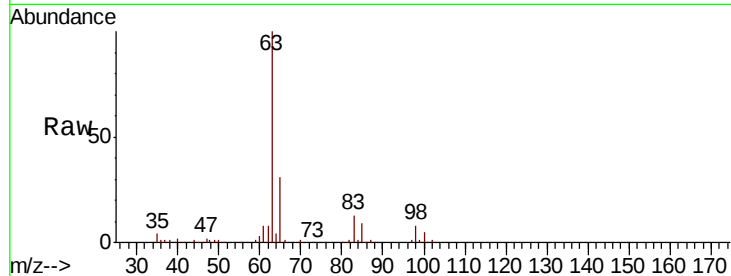




#19
 1,1-Dichloroethane
 Concen: 10.842 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

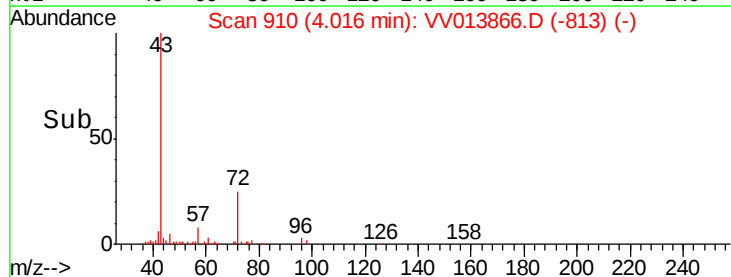
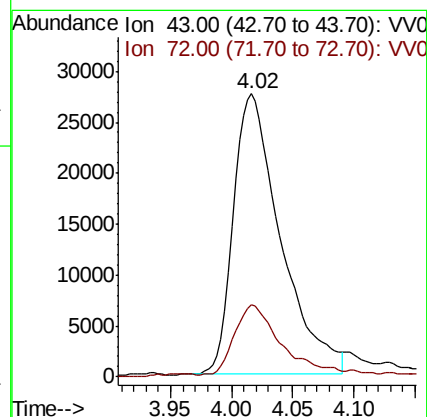
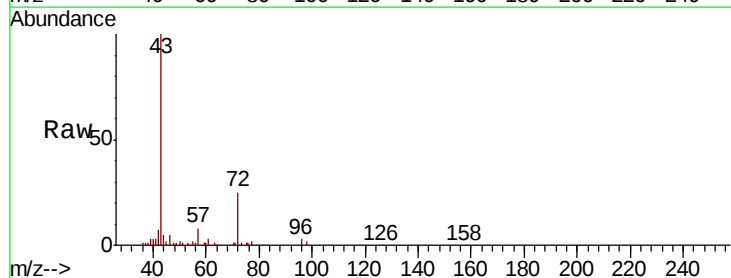
Instrument :
 MSVOA_V
 ClientSampled :

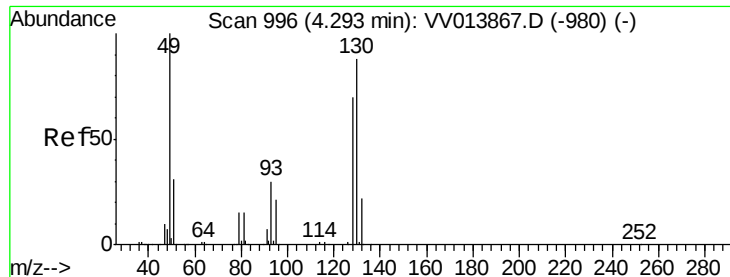
Tot Ion: 63 Resp: 92605
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.5 39.9
 83 13.4 9.7 18.1



#22
 2-Butanone
 Concen: 20.363 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Tgt Ion: 43 Resp: 74563
 Ion Ratio Lower Upper
 43 100
 72 21.0 14.1 42.2





#23

Bromochloromethane

Concen: 11.743 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.01 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 30994

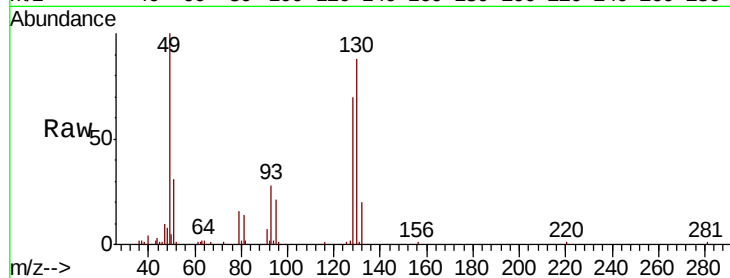
Ion Ratio Lower Upper

128 100

49 142.9 100.4 186.4

130 125.2 88.3 163.9

51 43.9 35.8 53.8

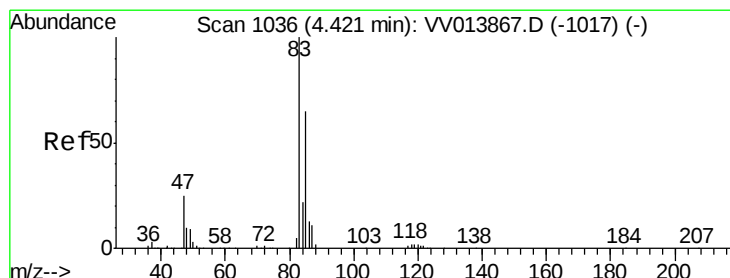
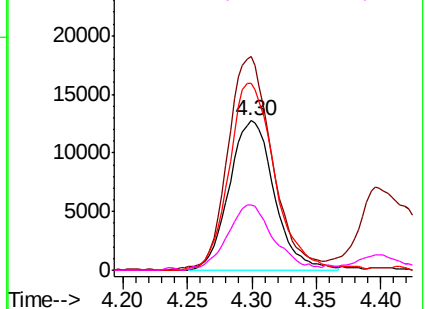
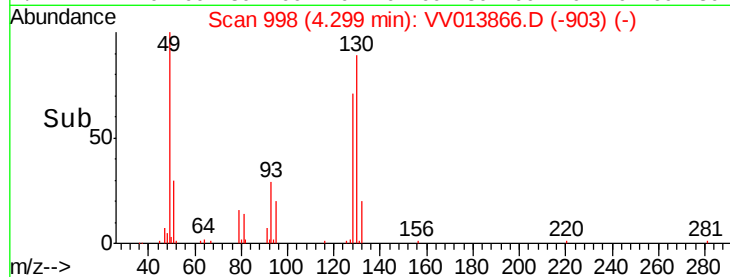


Abundance Ion 128.00 (127.70 to 128.70): VV013866.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV013866.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV013866.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV013866.D (-903) (-)



#25

Chloroform

Concen: 11.256 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013866.D

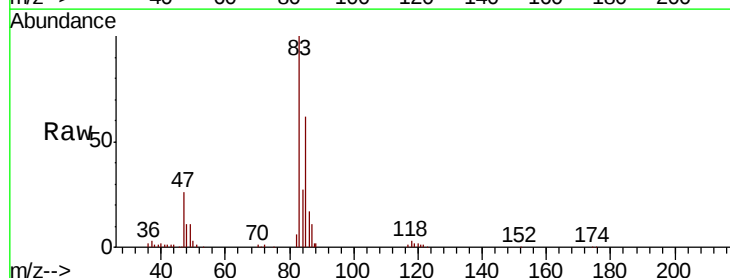
Acq: 02 Dec 2019 12:11

Tgt Ion: 83 Resp: 99929

Ion Ratio Lower Upper

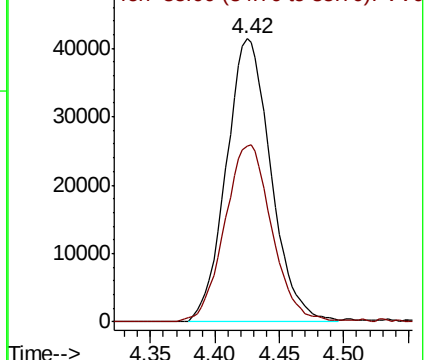
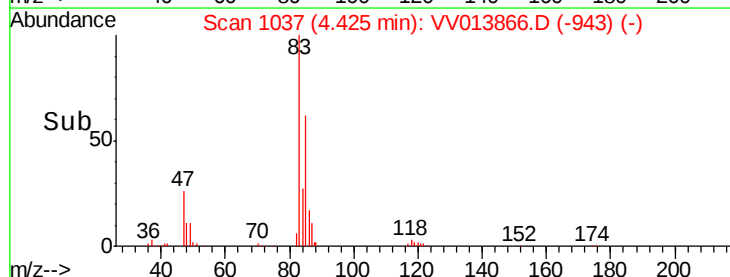
83 100

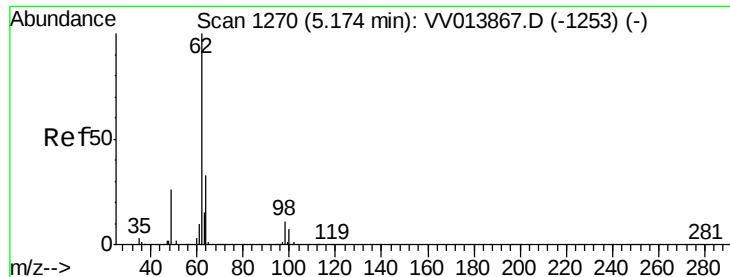
85 62.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013866.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV013866.D (-943) (-)

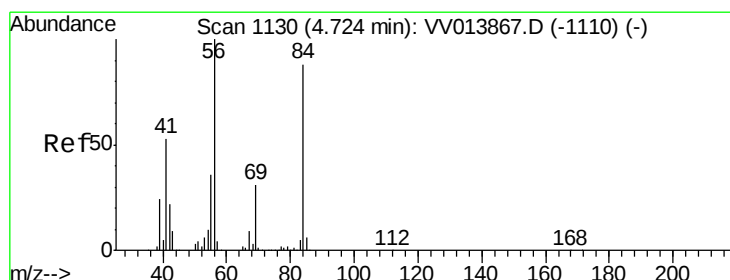
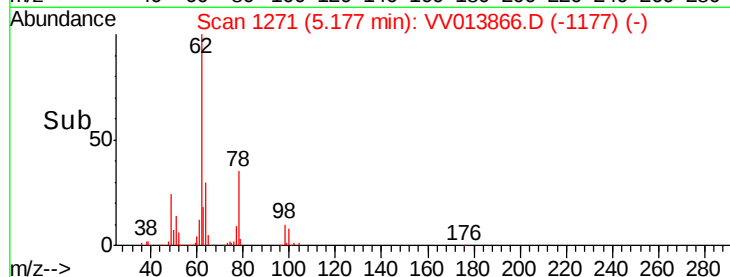
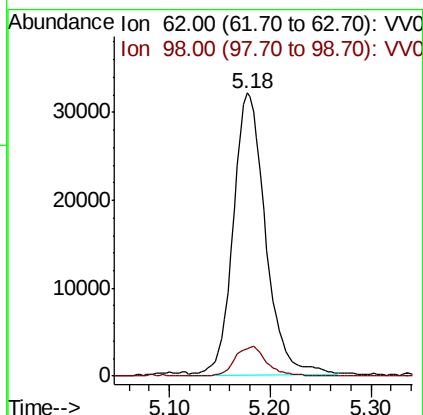
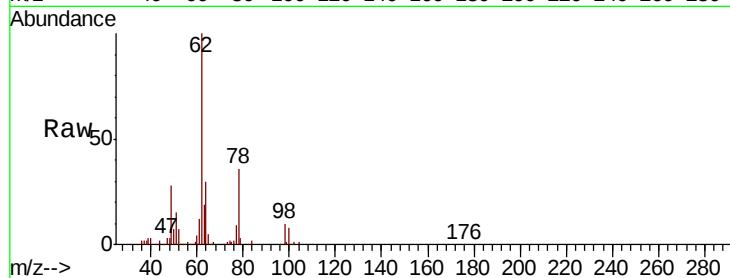




#27
 1,2-Dichloroethane
 Concen: 10.627 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

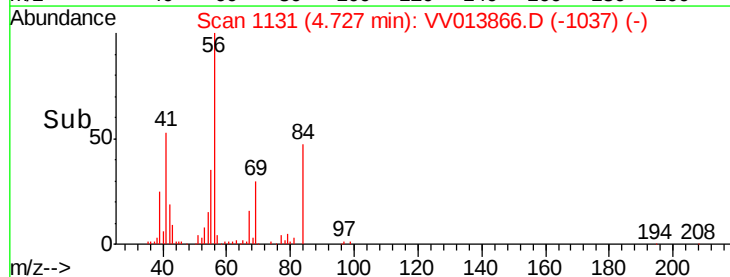
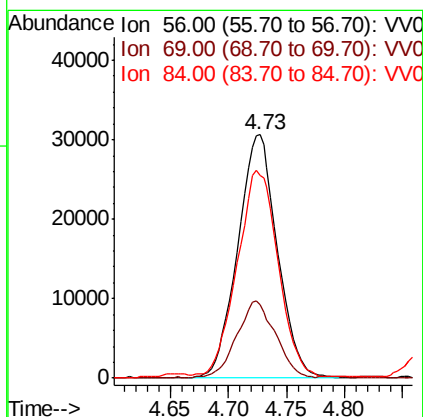
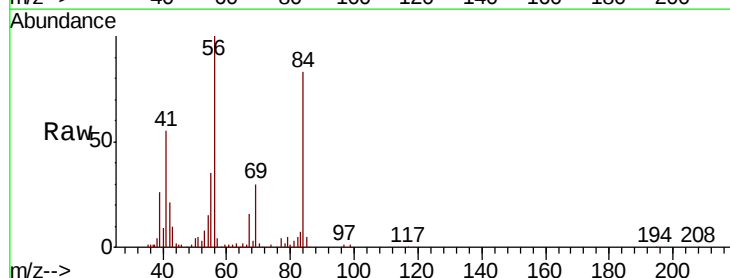
Instrument :
 MSVOA_V
 ClientSampleId :

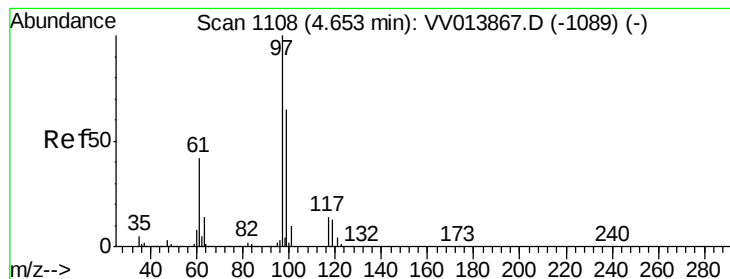
Tot Ion: 62 Resp: 71364
 Ion Ratio Lower Upper
 62 100
 98 9.6 8.5 12.7



#29
 Cyclohexane
 Concen: 9.675 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Tgt Ion: 56 Resp: 72424
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.9 37.3
 84 87.6 71.0 106.4





#30

1,1,1-Trichloroethane

Concen: 10.864 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

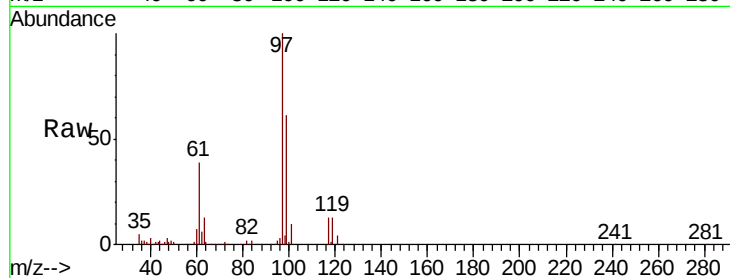
Tot Ion: 97 Resp: 80052

Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.2

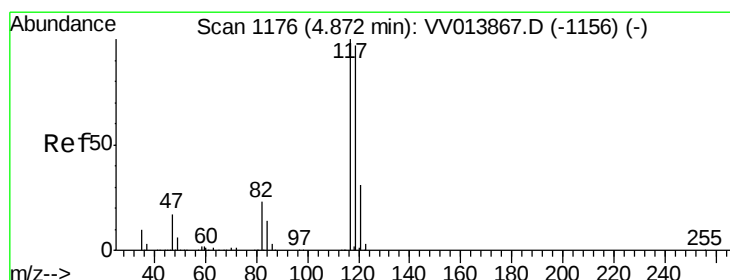
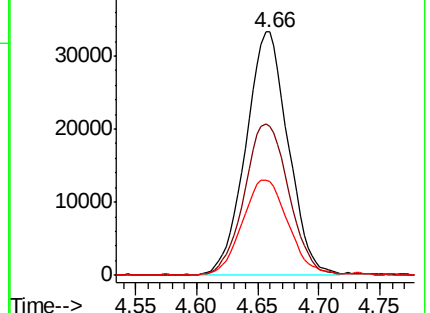
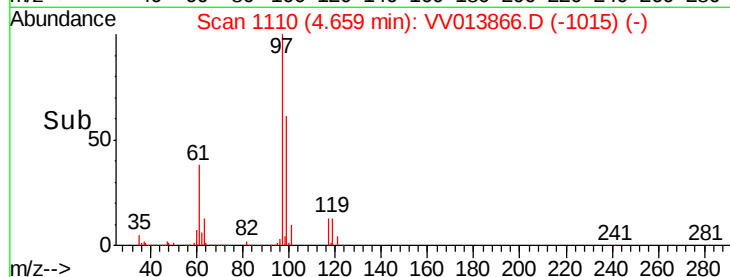
61 42.6 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV013866.D (-1015) (-)

Ion 99.00 (98.70 to 99.70): VV013866.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV013866.D (-1015) (-)



#31

Carbon tetrachloride

Concen: 10.795 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013866.D

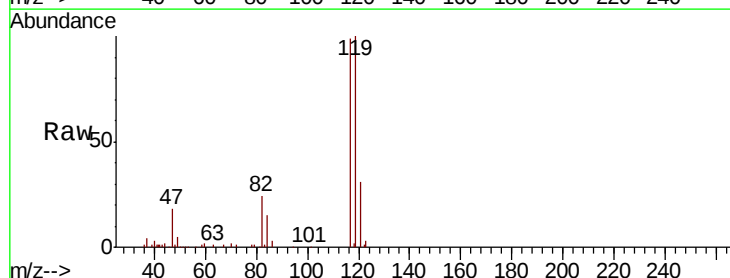
Acq: 02 Dec 2019 12:11

Tgt Ion: 117 Resp: 70985

Ion Ratio Lower Upper

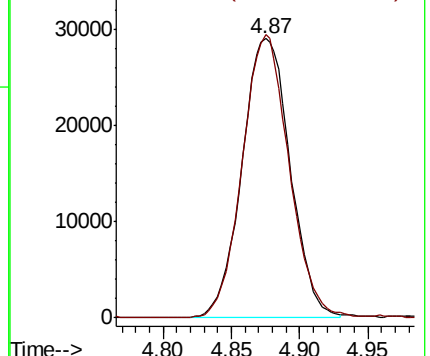
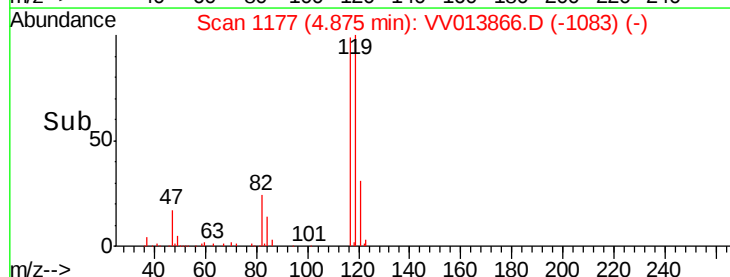
117 100

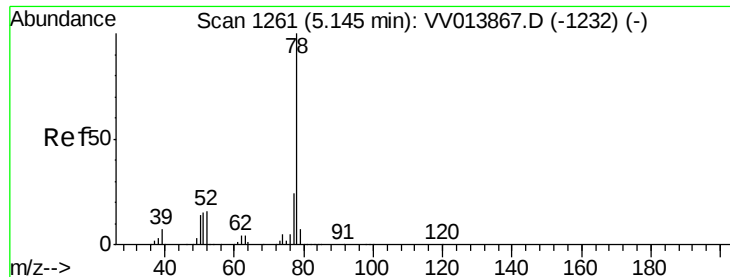
119 98.9 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): VV013866.D (-1083) (-)

Ion 119.00 (118.70 to 119.70): VV013866.D (-1083) (-)

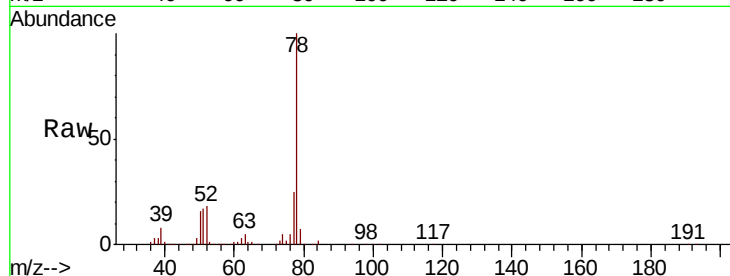




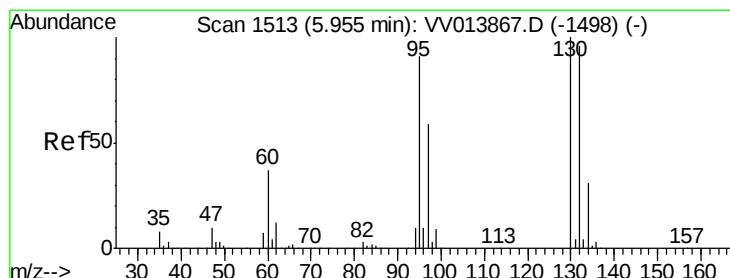
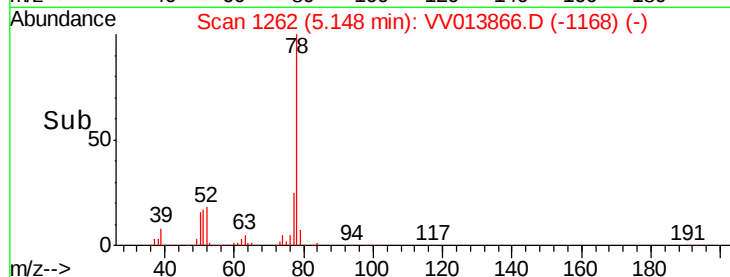
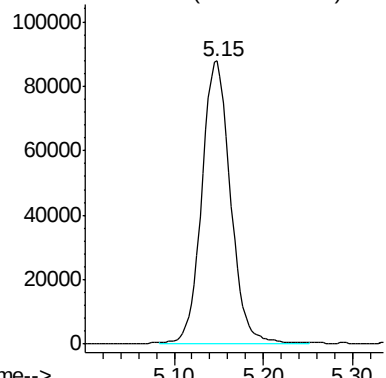
#33
Benzene
Concen: 10.512 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 195790



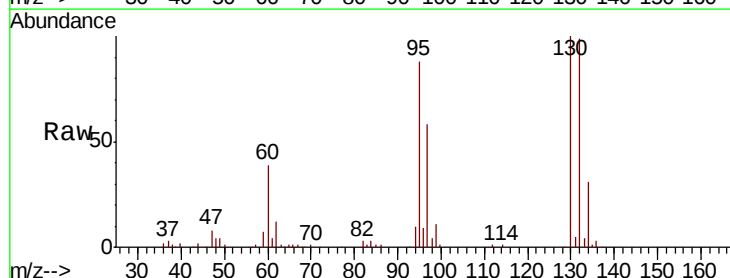
Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 10.854 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Tgt Ion: 95 Resp: 54106

Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.4	84.4
132	113.3	73.7	136.9
130	113.9	77.1	143.1

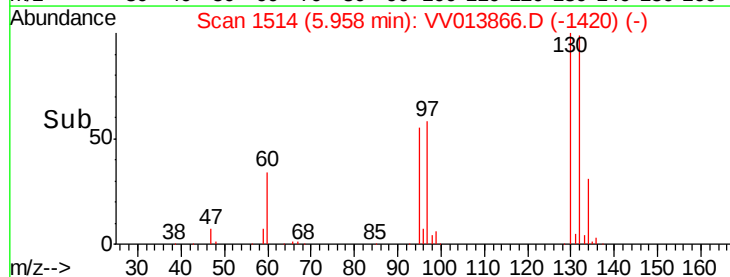
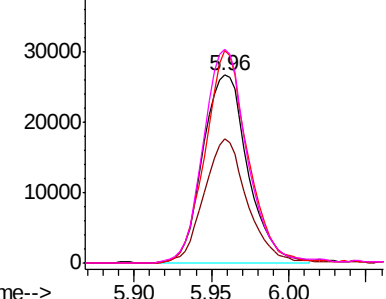


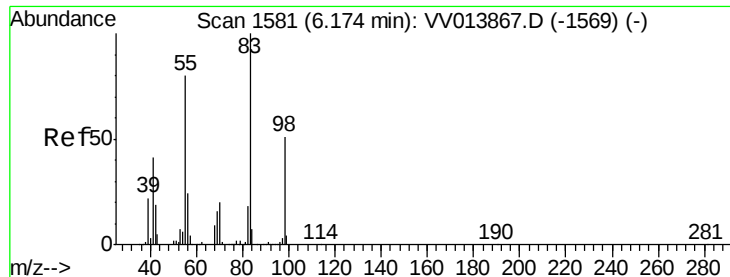
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

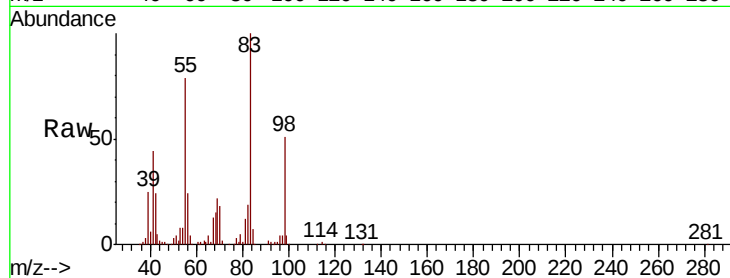




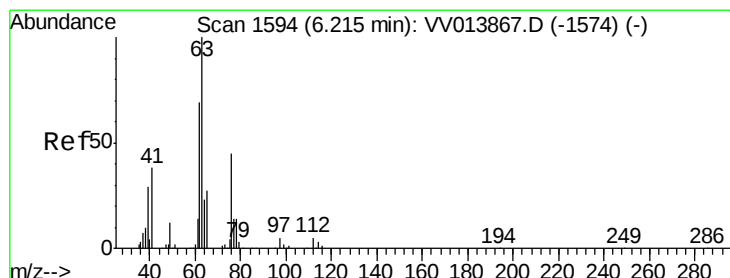
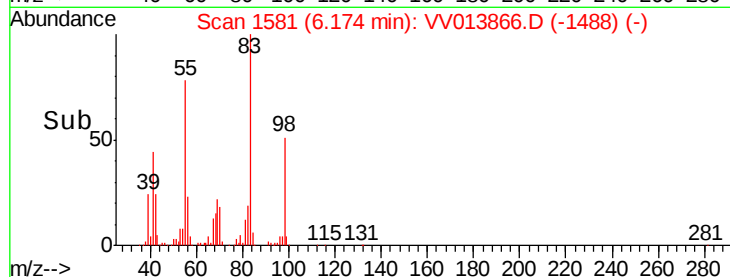
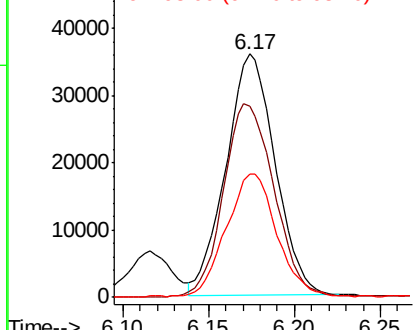
#35
Methvlcvclohexane
Concen: 9.409 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 71690
Ion Ratio Lower Upper
83 100
55 82.9 61.0 91.4
98 52.9 39.6 59.4

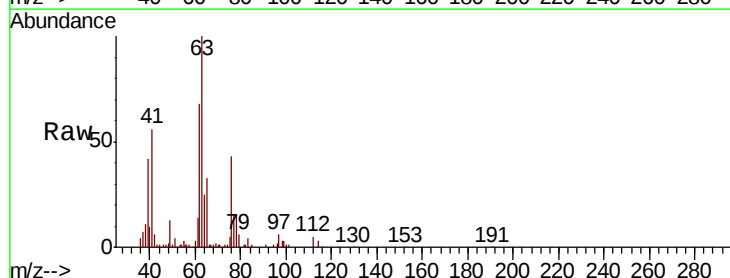


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

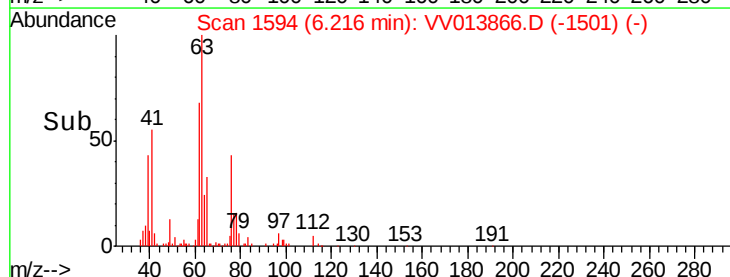
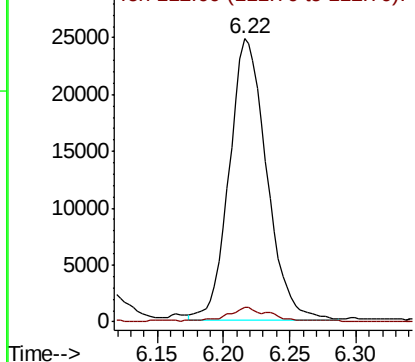


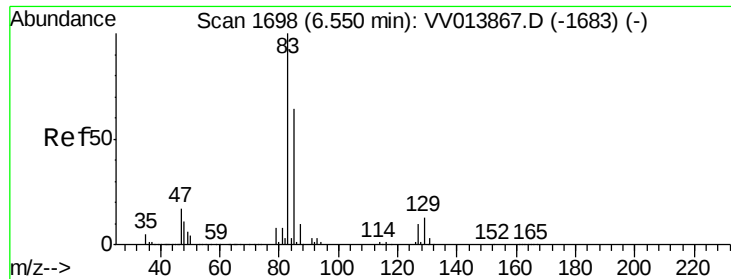
#37
1,2-Dichloropropane
Concen: 10.003 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Tgt Ion: 63 Resp: 48431
Ion Ratio Lower Upper
63 100
112 2.8 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

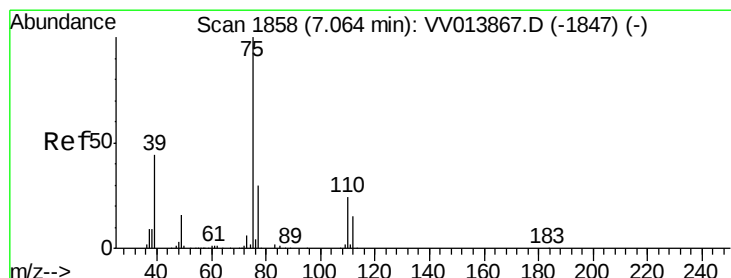
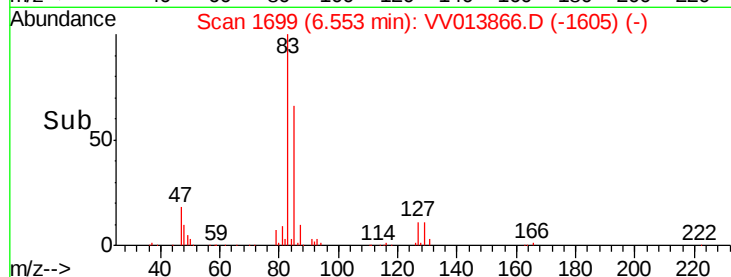
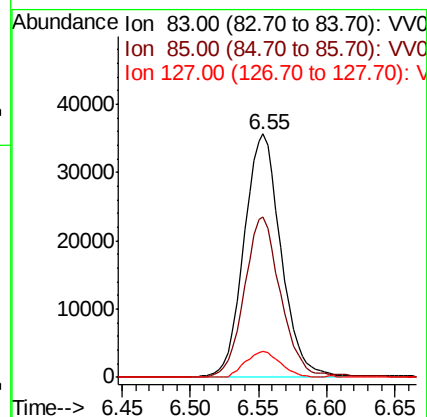
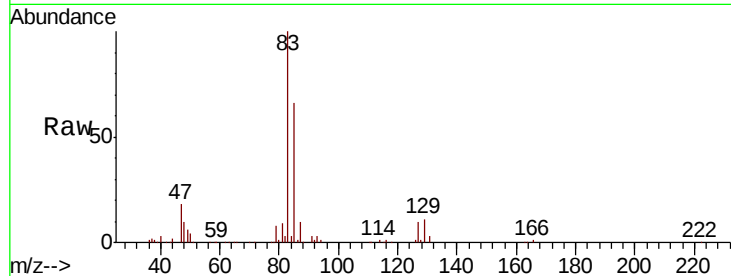




#38
 Bromodichloromethane
 Concen: 10.433 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

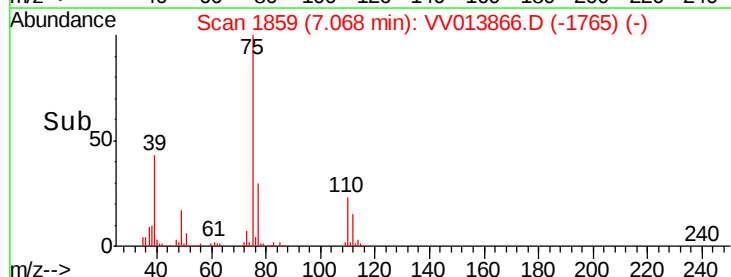
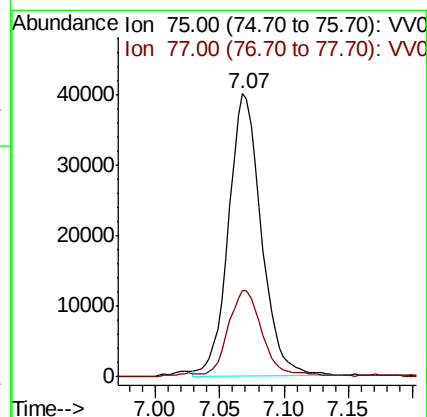
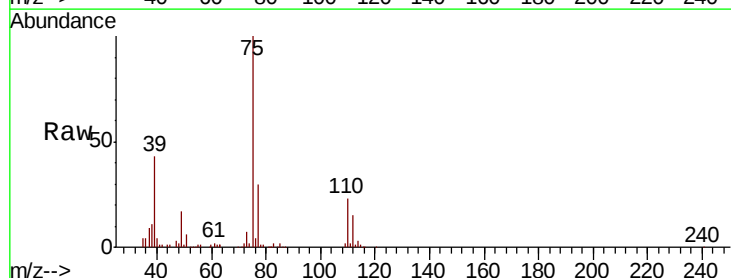
Instrument :
 MSVOA_V
 ClientSampleId :

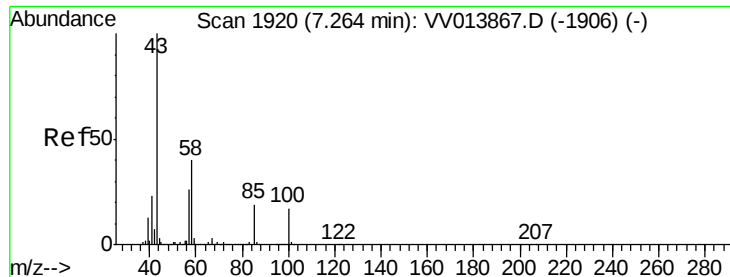
Tot Ion: 83 Resp: 67049
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.8 83.2
 127 10.5 7.7 11.5



#39
 cis-1,3-Dichloropropene
 Concen: 9.515 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Tgt Ion: 75 Resp: 70521
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.6 40.2

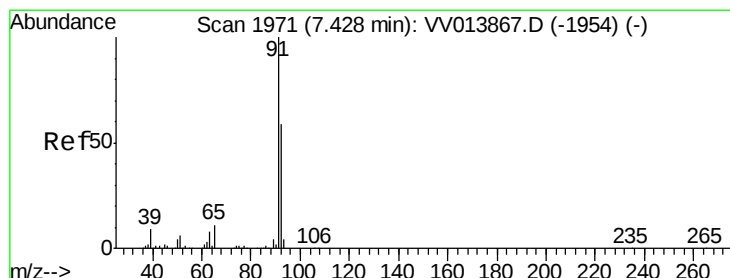
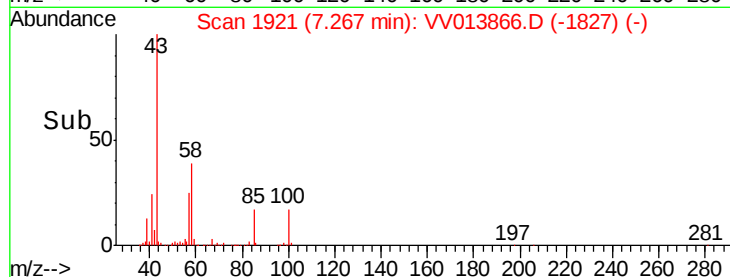
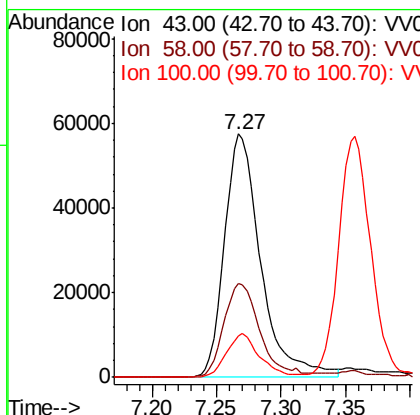
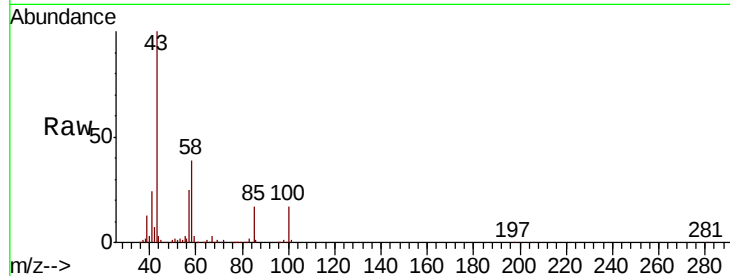




#40
4-Methyl-2-pentanone
Concen: 18.163 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

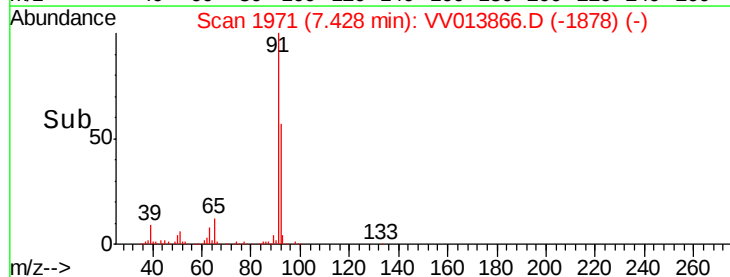
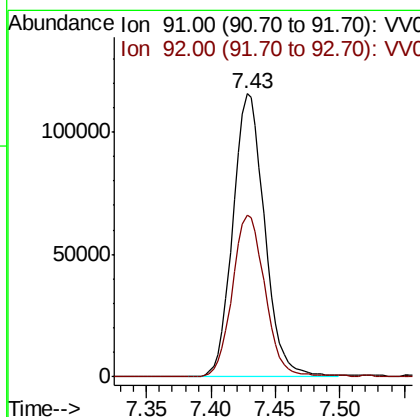
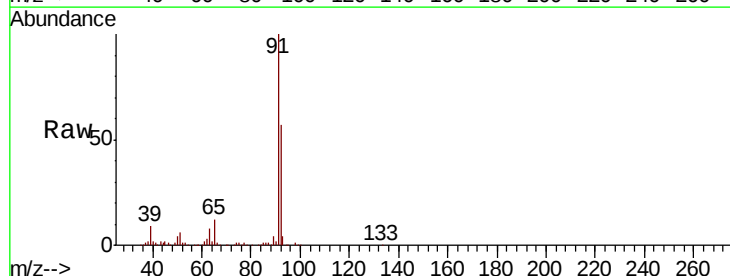
Instrument :
MSVOA_V
ClientSampleId :

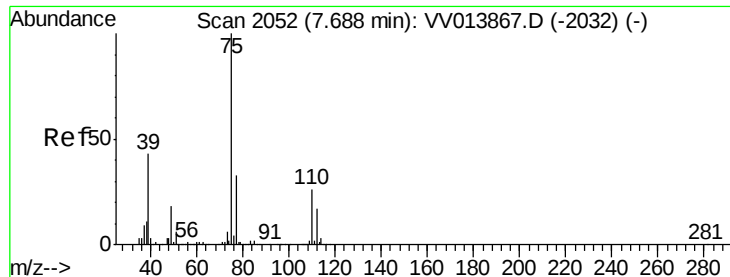
Tot Ion	43	Resp	111856
Ion Ratio	Lower	Upper	
43	100		
58	37.3	31.9	47.9
100	16.4	13.7	20.5



#42
Toluene
Concen: 10.231 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Tgt Ion	91	Resp	197920
Ion Ratio	Lower	Upper	
91	100		
92	57.2	41.4	77.0





#44

trans-1,3-Dichloropropene

Concen: 10.021 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

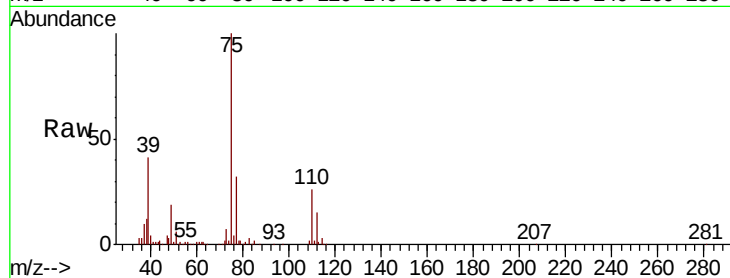
ClientSampleId :

Tot Ion: 75 Resp: 64432

Ion Ratio Lower Upper

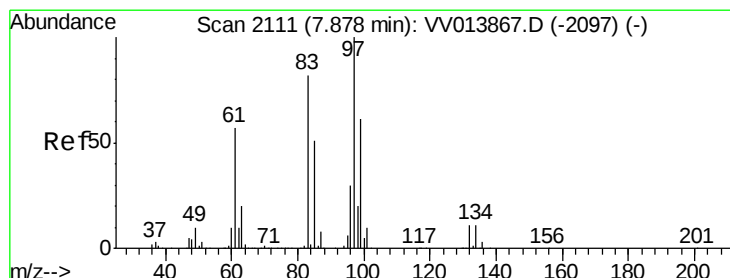
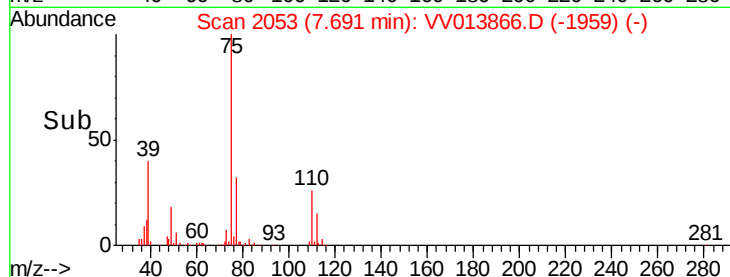
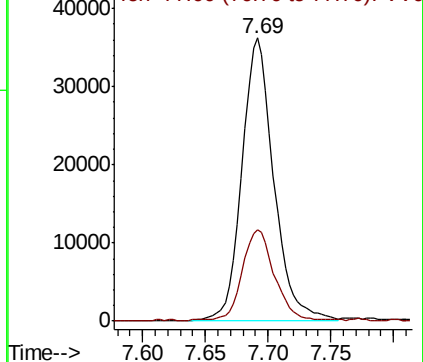
75 100

77 32.1 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 10.064 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Tgt Ion: 97 Resp: 46140

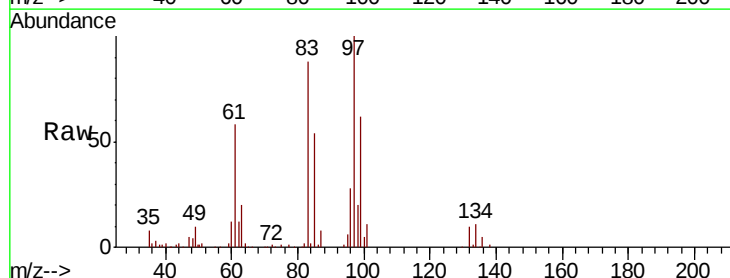
Ion Ratio Lower Upper

97 100

99 62.0 43.0 80.0

83 87.6 57.5 106.9

85 53.9 35.6 66.2

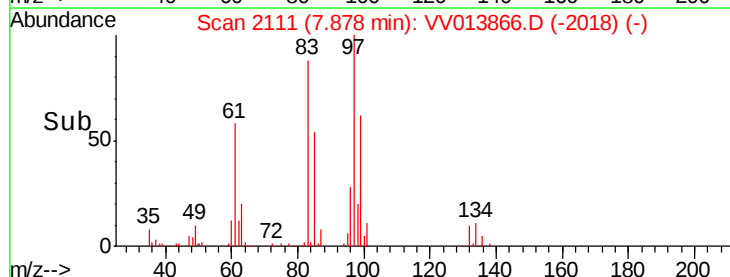
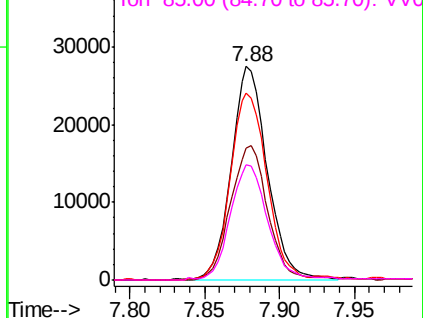


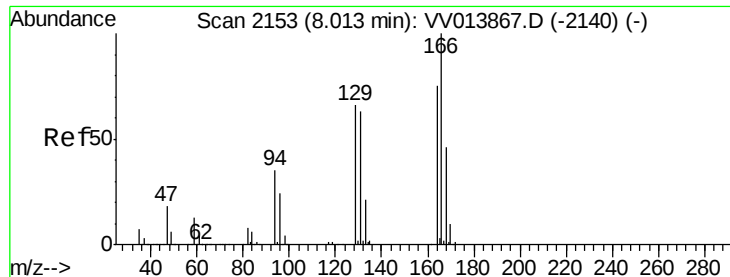
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 11.170 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:164 Resp: 47970

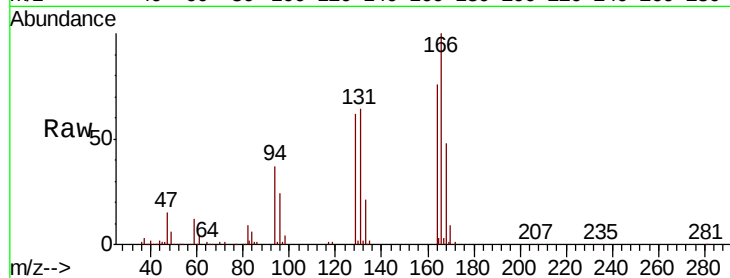
Ion Ratio Lower Upper

164 100

129 82.0 61.7 114.7

131 84.0 58.4 108.6

166 131.2 93.4 173.6

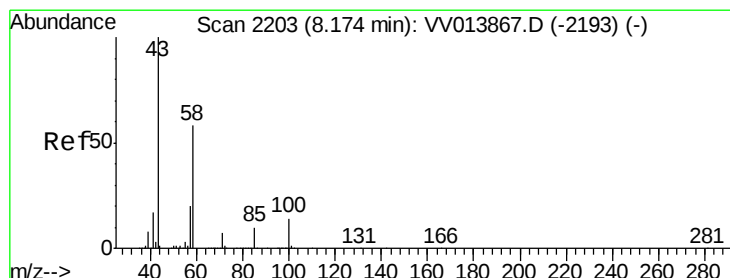
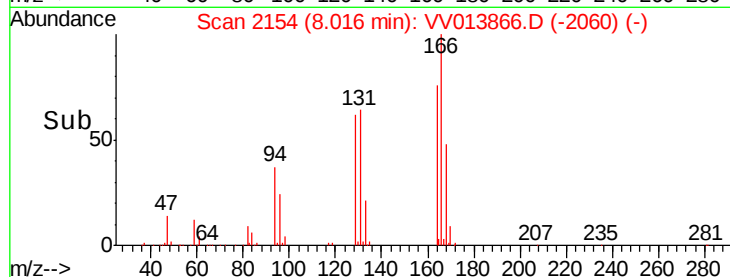
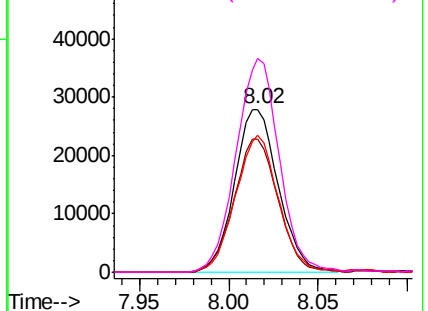


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 18.146 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Tgt Ion: 43 Resp: 87705

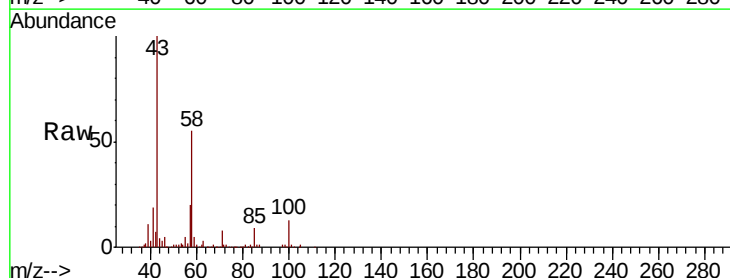
Ion Ratio Lower Upper

43 100

58 59.1 48.4 72.6

57 19.1 16.6 24.8

100 13.7 11.9 17.9

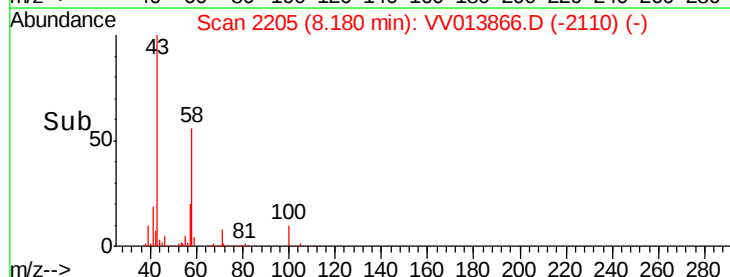
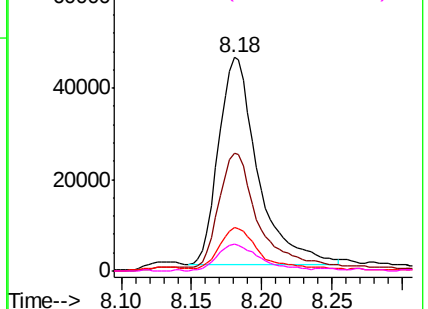


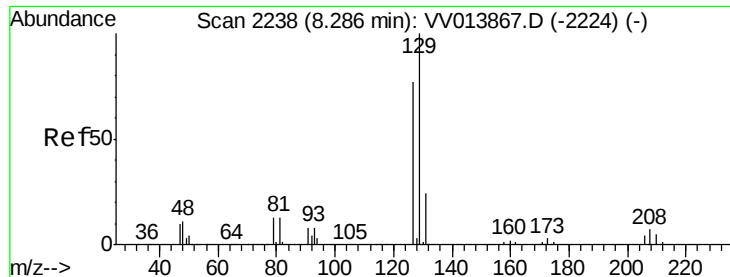
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 11.111 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

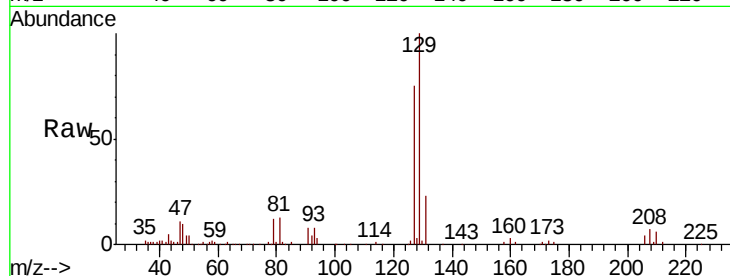
ClientSampleId :

Tot Ion:129 Resp: 59037

Ion Ratio Lower Upper

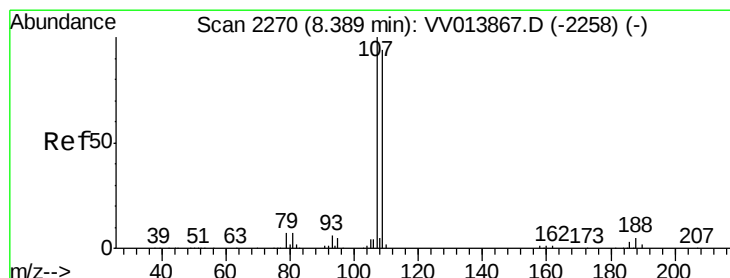
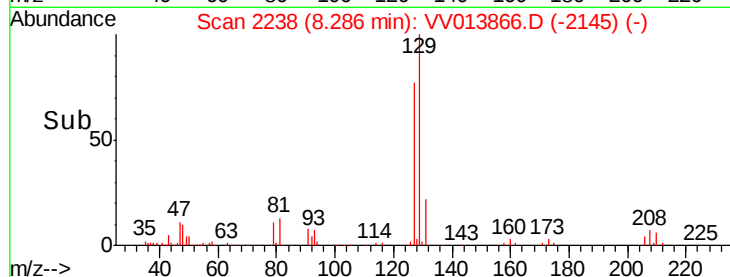
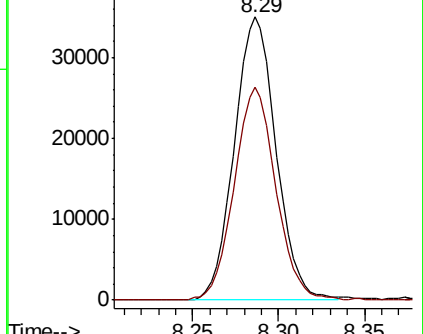
129 100

127 75.1 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 10.921 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

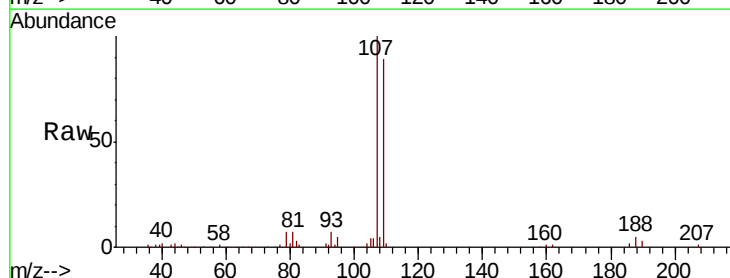
Tgt Ion:107 Resp: 52991

Ion Ratio Lower Upper

107 100

109 88.6 65.9 122.5

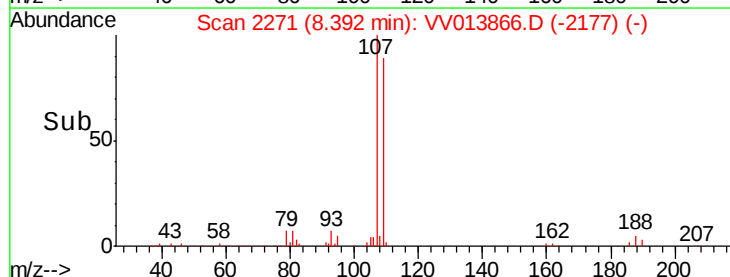
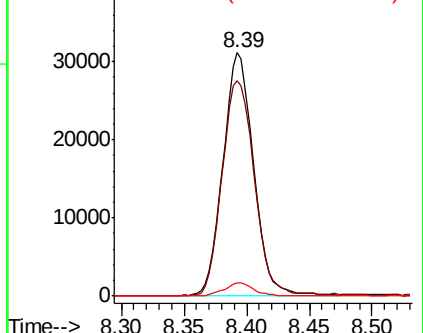
188 5.2 3.6 5.4

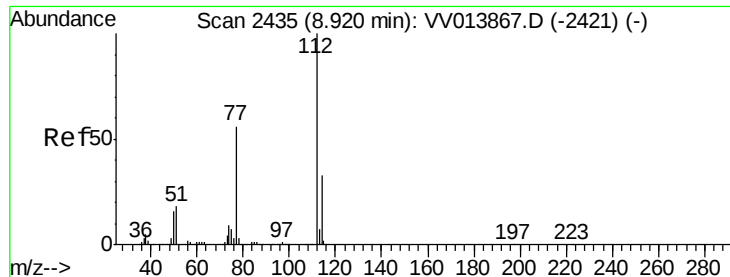


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

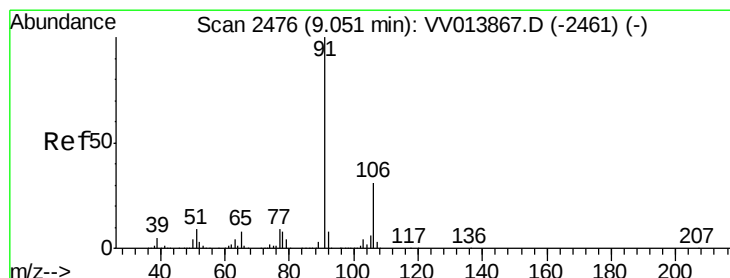
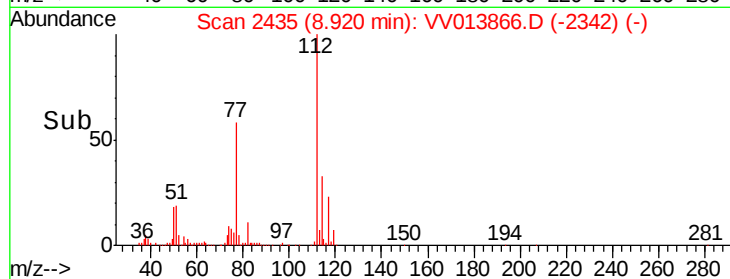
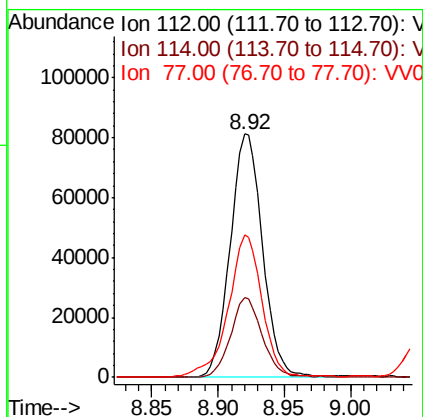
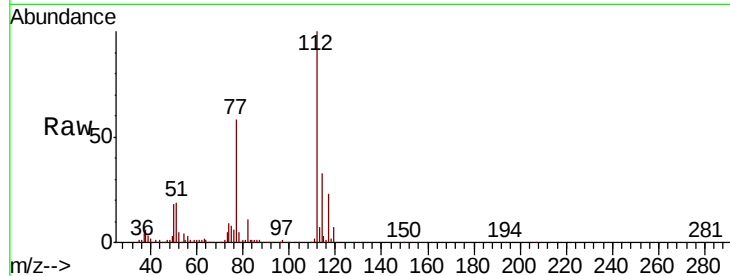




#51
Chlorobenzene
Concen: 10.649 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

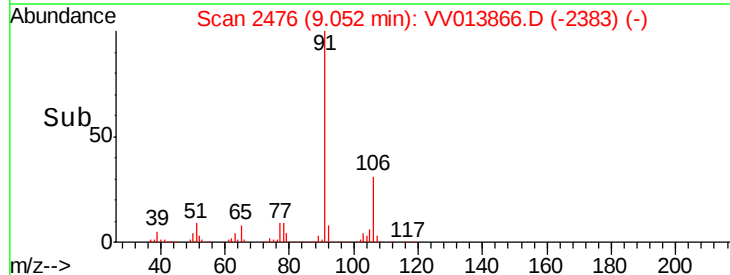
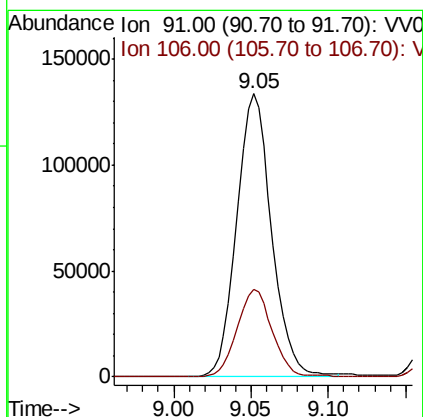
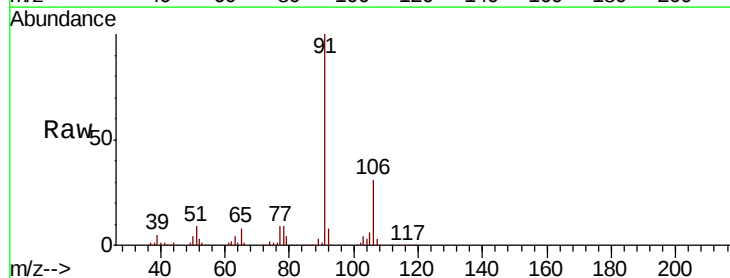
Instrument :
MSVOA_V
ClientSampleId :

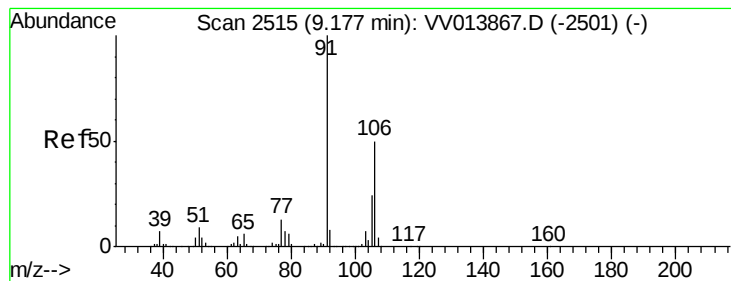
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	23.2	43.2
77	58.3	45.0	67.4



#52
Ethylbenzene
Concen: 9.944 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013866.D
Acq: 02 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	21.8	40.4





#53

m,p-Xylene

Concen: 10.009 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

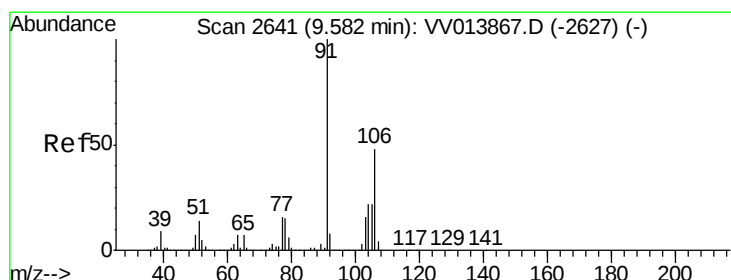
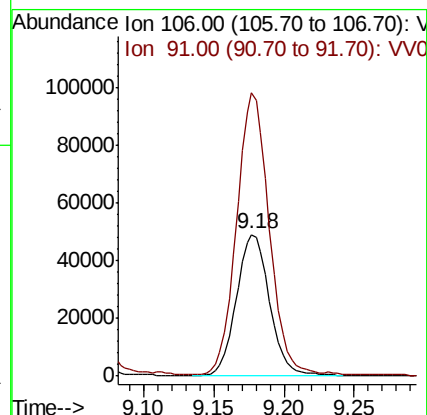
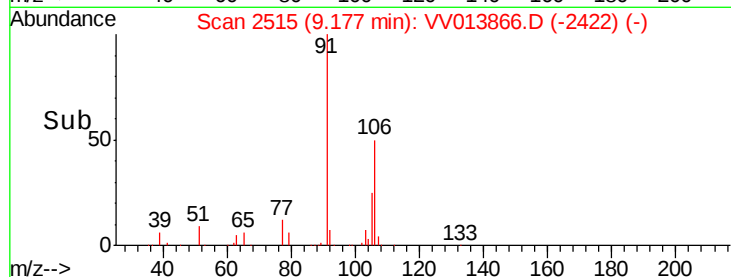
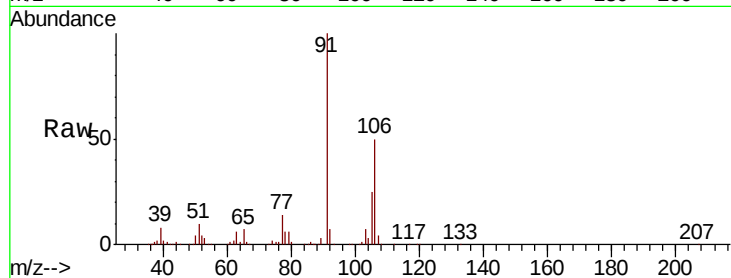
ClientSampleId :

Tot Ion:106 Resp: 80467

Ion Ratio Lower Upper

106 100

91 199.5 139.4 259.0



#54

o-xylene

Concen: 10.081 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013866.D

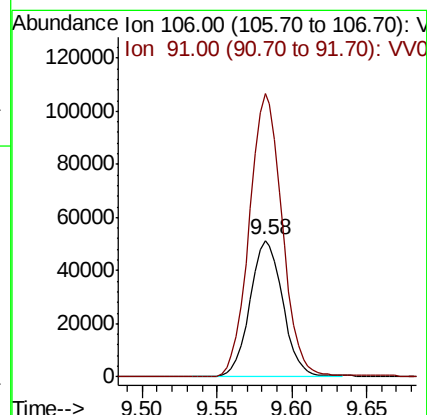
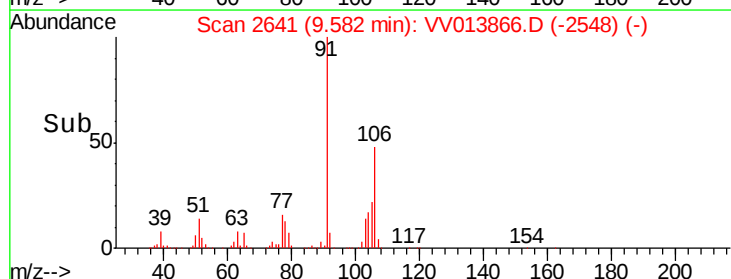
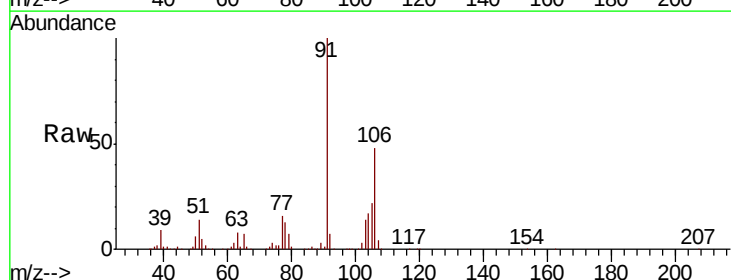
Acq: 02 Dec 2019 12:11

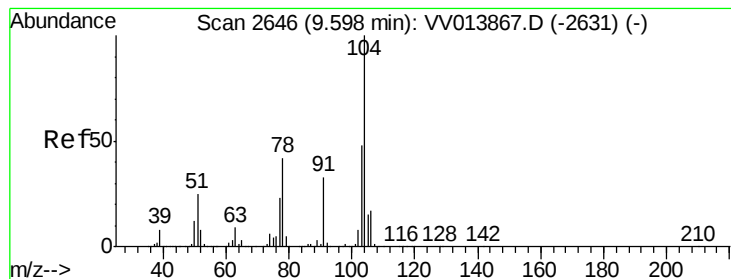
Tgt Ion:106 Resp: 78713

Ion Ratio Lower Upper

106 100

91 207.8 147.1 273.1





#55

Stvrene

Concen: 9.820 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

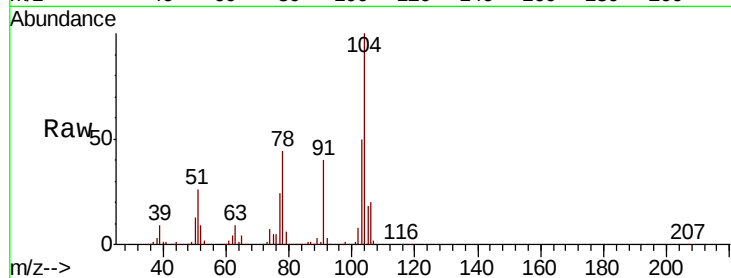
ClientSampled :

Tot Ion:104 Resp: 133187

Ion Ratio Lower Upper

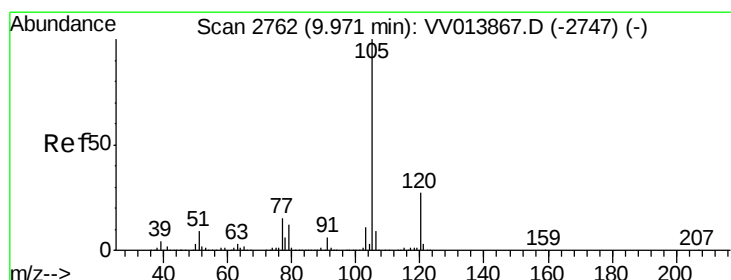
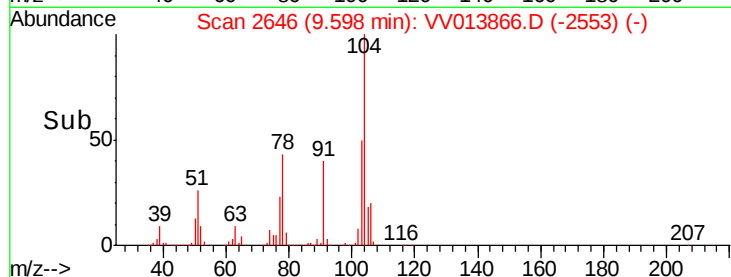
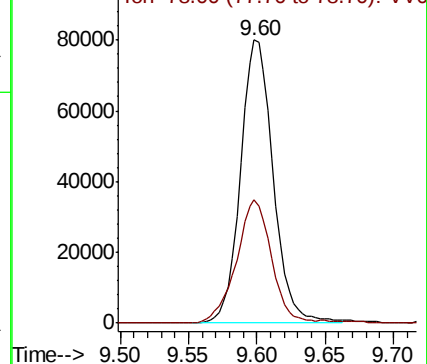
104 100

78 43.6 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 9.873 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

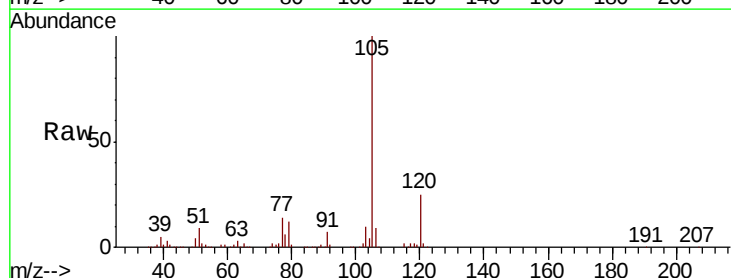
Tgt Ion:105 Resp: 205521

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

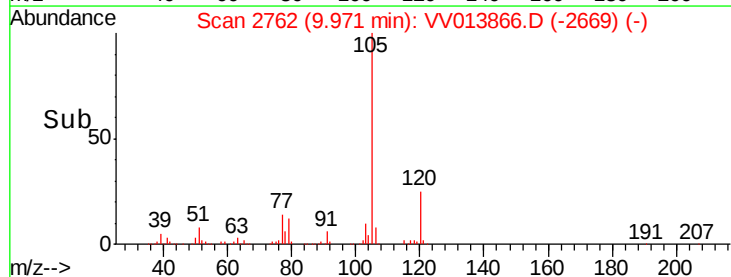
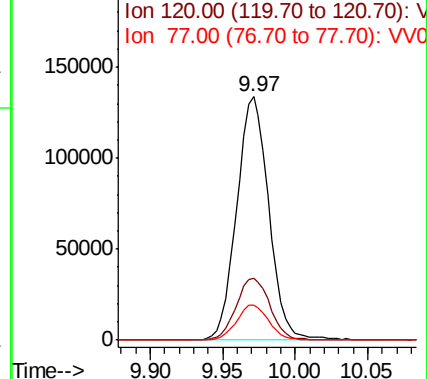
77 14.6 12.0 18.0

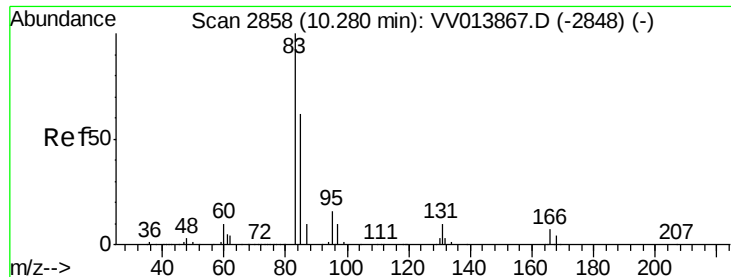


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 10.439 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

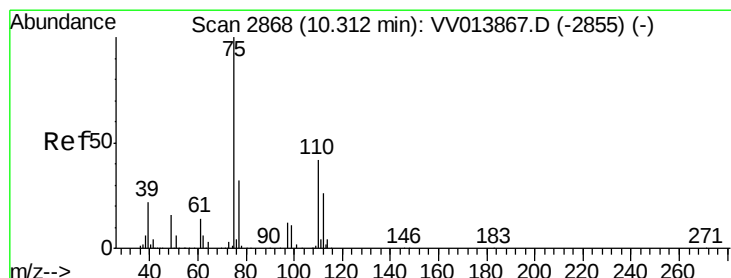
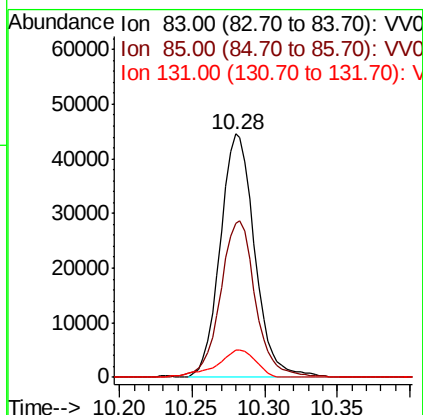
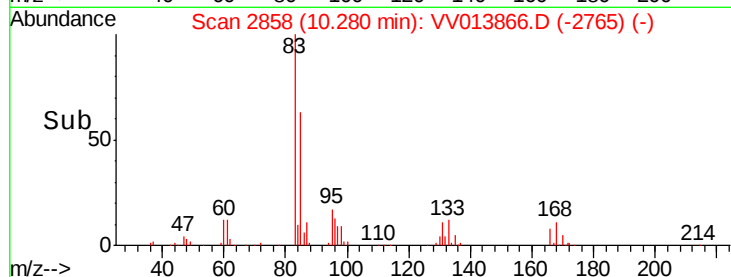
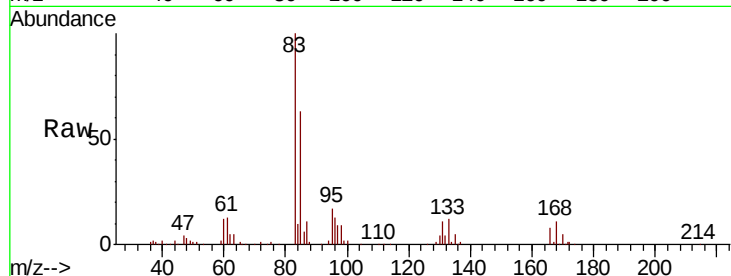
Tot Ion: 83 Resp: 73571

Ion Ratio Lower Upper

83 100

85 63.4 44.1 81.9

131 11.0 8.8 13.2



#59

1,2,3-Trichloropropane

Concen: 10.628 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013866.D

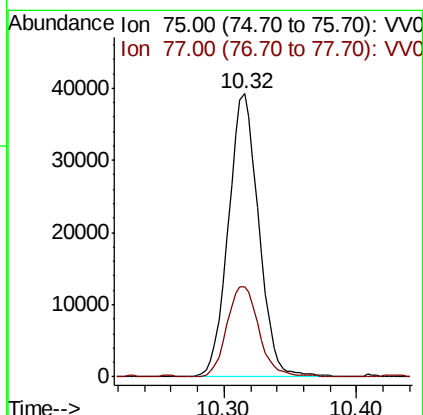
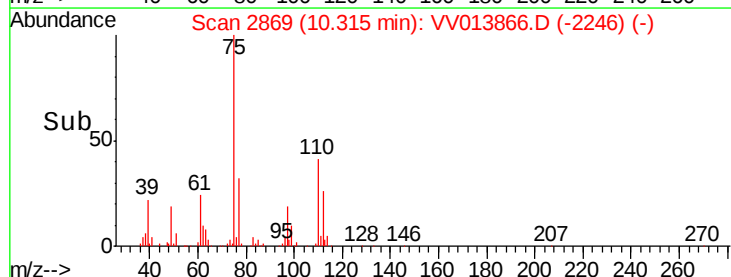
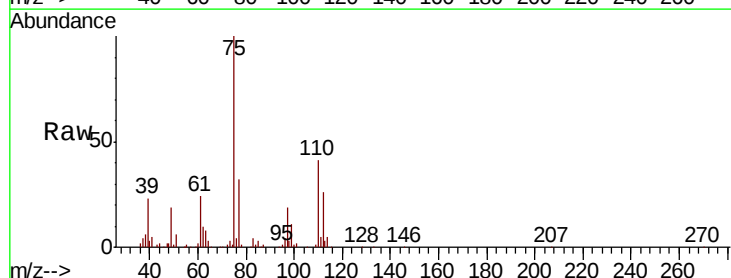
Acq: 02 Dec 2019 12:11

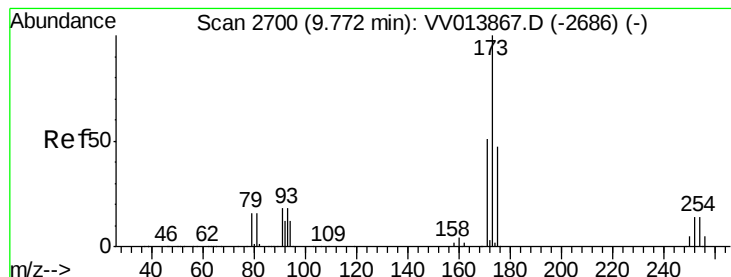
Tgt Ion: 75 Resp: 62424

Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.8





#61

Bromoform

Concen: 10.567 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :

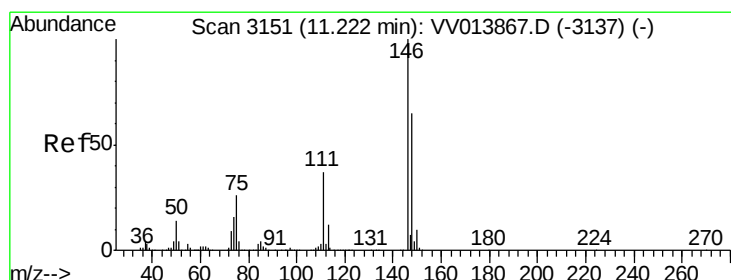
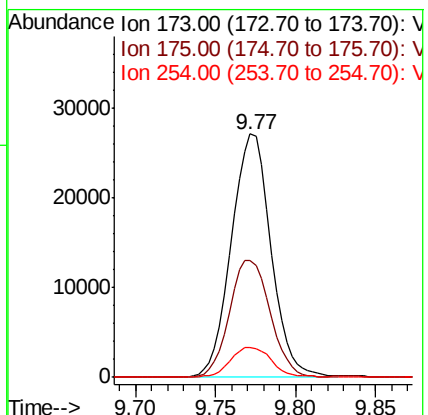
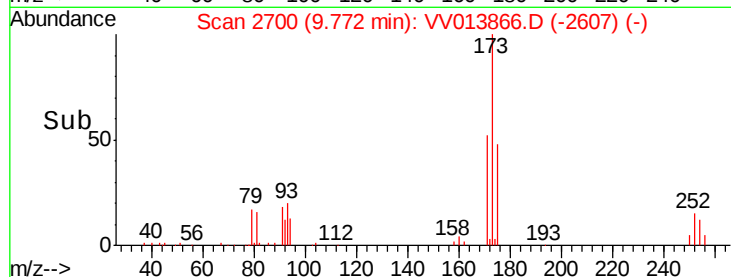
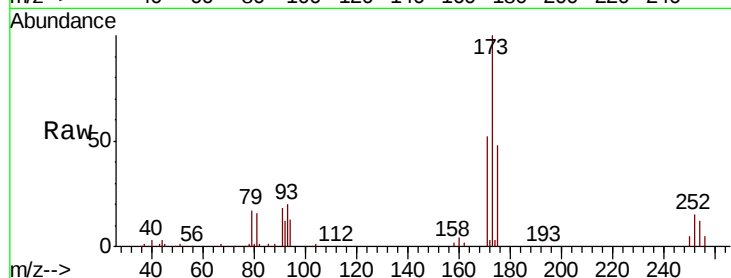
Tot Ion:173 Resp: 45759

Ion Ratio Lower Upper

173 100

175 49.5 38.4 57.6

254 12.9 10.5 15.7



#62

1,3-Dichlorobenzene

Concen: 11.251 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

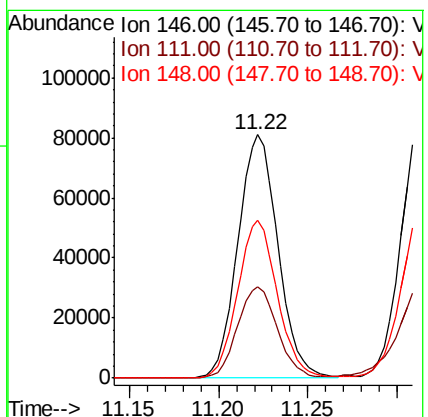
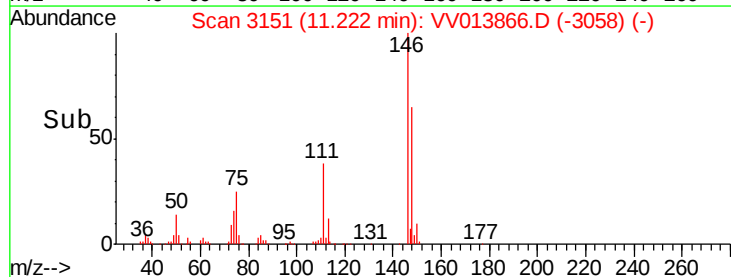
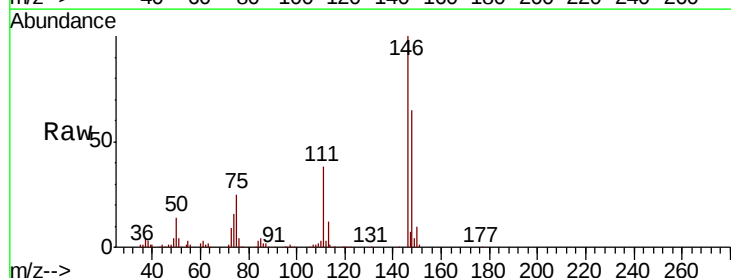
Tgt Ion:146 Resp: 127009

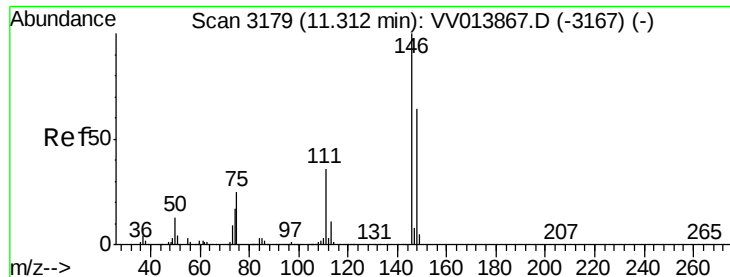
Ion Ratio Lower Upper

146 100

111 37.5 25.8 48.0

148 64.9 45.2 84.0

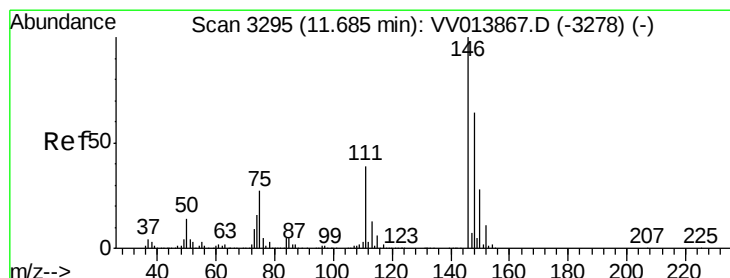
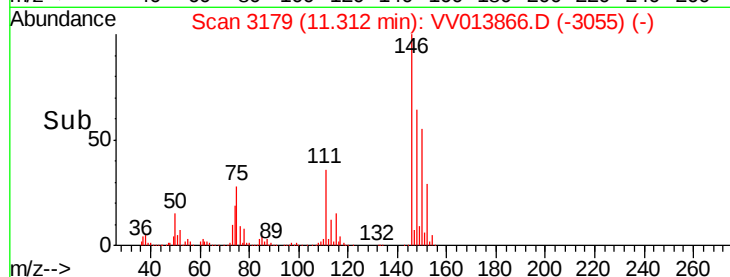
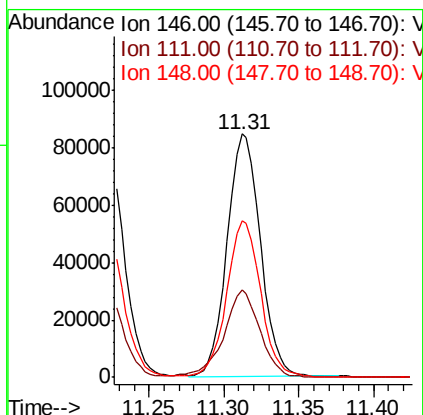
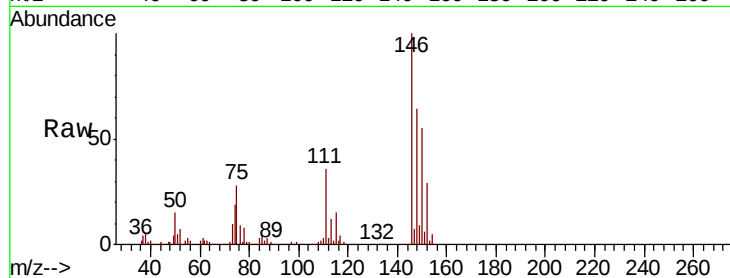




#63
 1,4-Dichlorobenzene
 Concen: 11.182 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

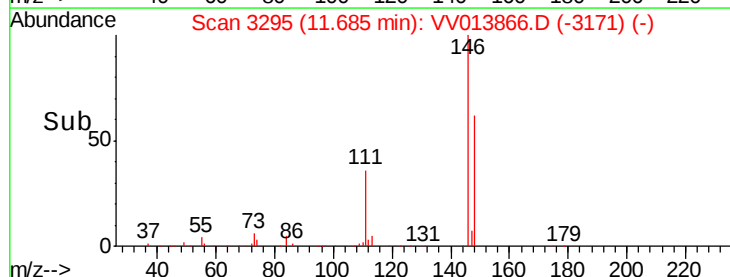
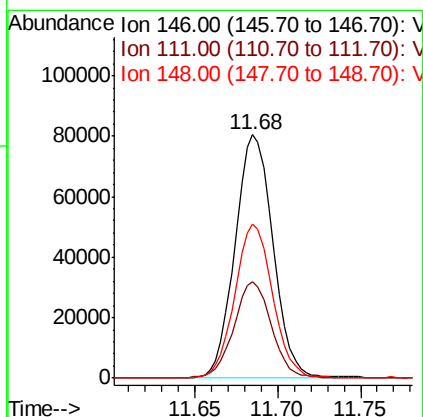
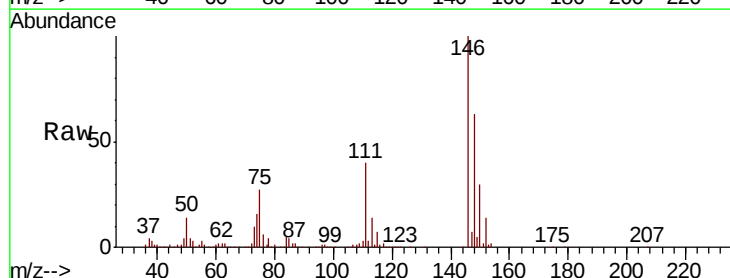
Instrument :
 MSVOA_V
 ClientSampled :

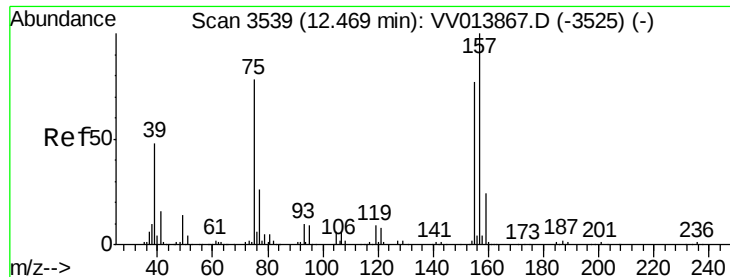
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.4	47.2
148	64.3	44.9	83.5



#65
 1,2-Dichlorobenzene
 Concen: 11.334 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.4	47.0
148	63.3	51.5	77.3





#66

1,2-Dibromo-3-chloropropane

Concen: 11.381 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

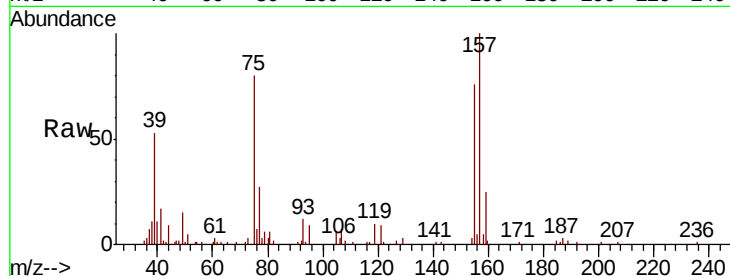
Tot Ion: 75 Resp: 17815

Ion Ratio Lower Upper

75 100

155 95.2 78.6 117.8

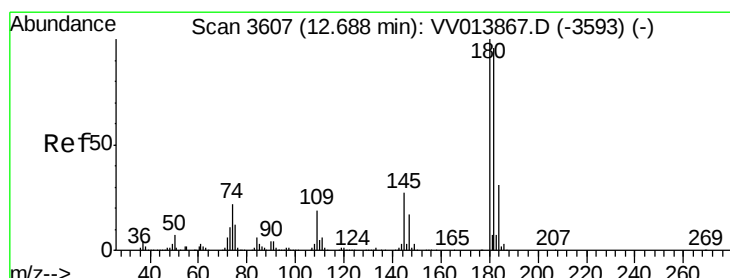
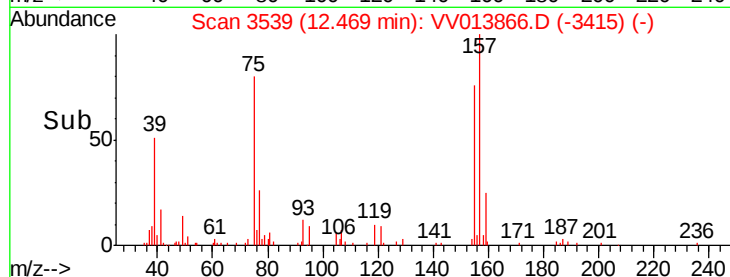
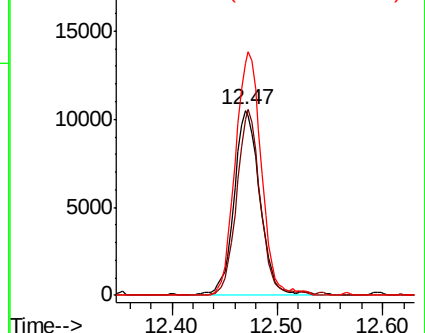
157 125.6 102.6 153.8



Abundance Ion 75.00 (74.70 to 75.70): VV013866.D (-3415) (-)

Ion 155.00 (154.70 to 155.70): VV013866.D (-3415) (-)

Ion 157.00 (156.70 to 157.70): VV013866.D (-3415) (-)



#67

1,3,5-Trichlorobenzene

Concen: 11.546 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013866.D

Acq: 02 Dec 2019 12:11

Tgt Ion:180 Resp: 102255

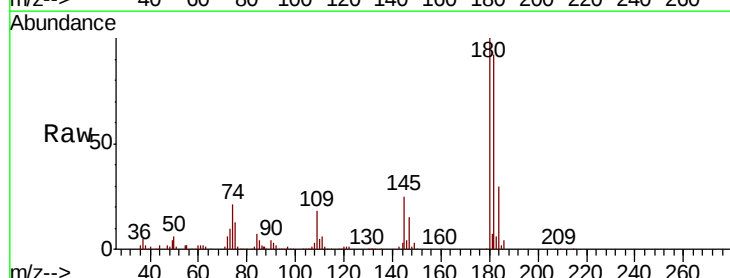
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

184 29.7 24.2 36.4

145 25.9 21.1 31.7

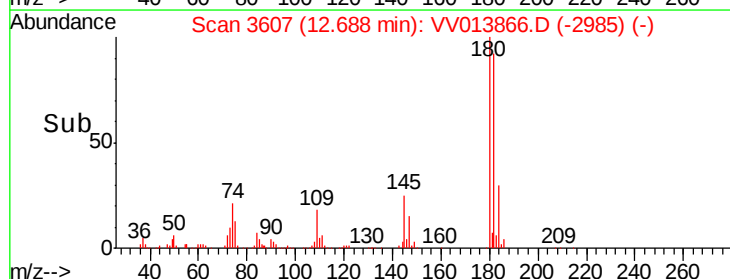
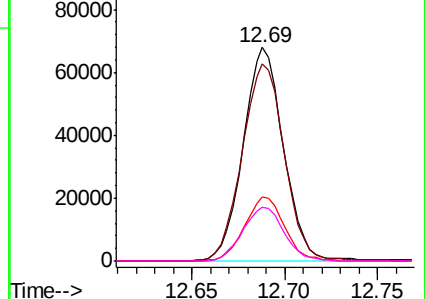


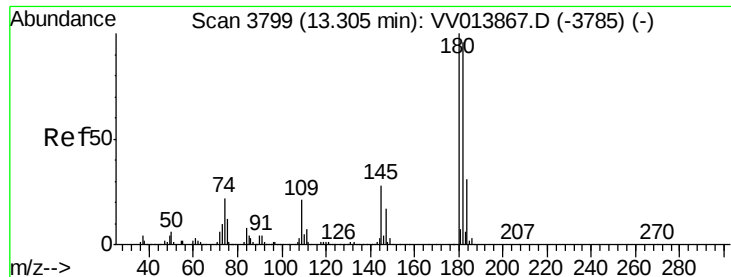
Abundance Ion 180.00 (179.70 to 180.70): VV013866.D (-2985) (-)

Ion 182.00 (181.70 to 182.70): VV013866.D (-2985) (-)

Ion 184.00 (183.70 to 184.70): VV013866.D (-2985) (-)

Ion 145.00 (144.70 to 145.70): VV013866.D (-2985) (-)

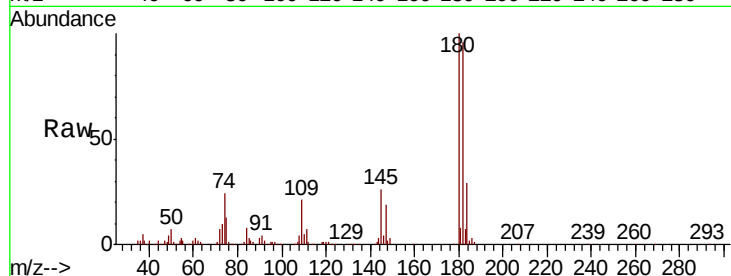




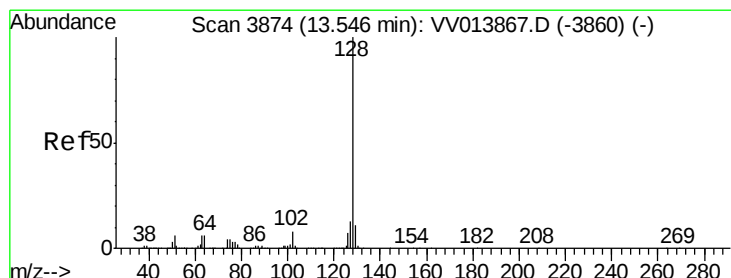
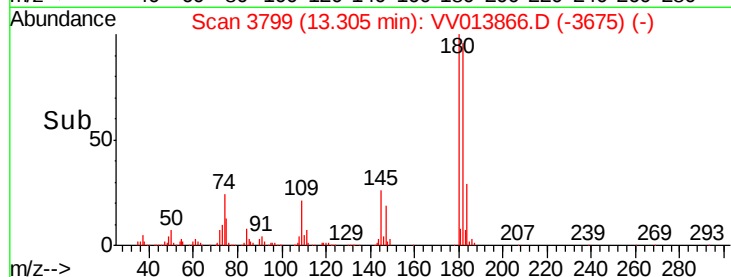
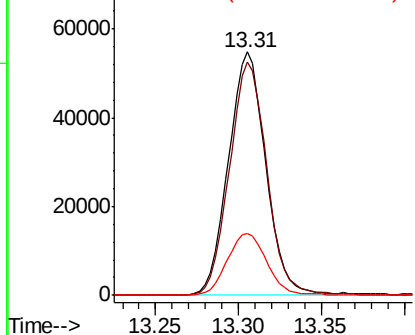
#68
 1,2,4-trichlorobenzene
 Concen: 11.043 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 86082
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 145 27.0 21.9 32.9

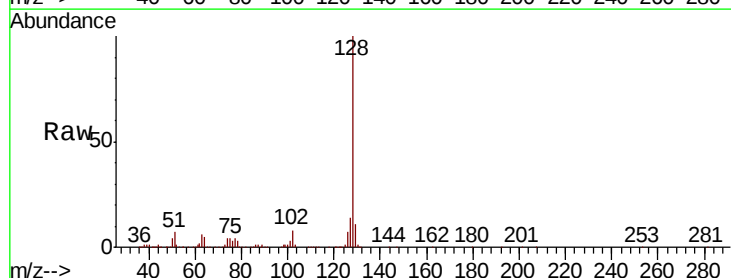


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

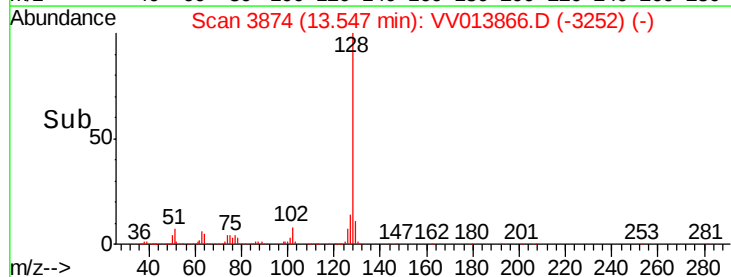
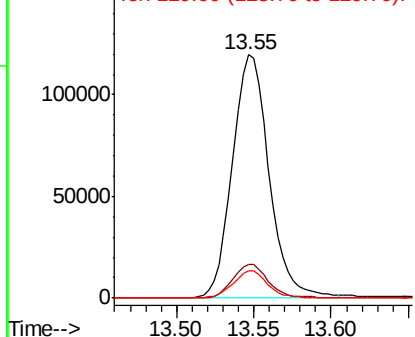


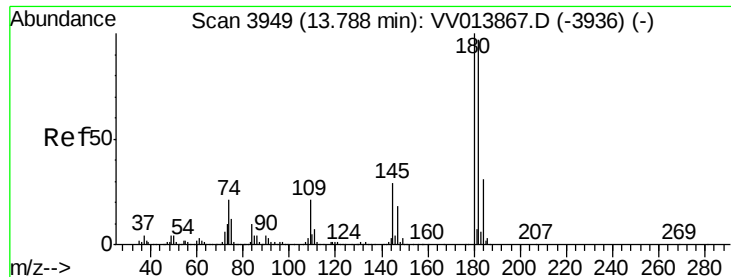
#69
 Naphthalene
 Concen: 9.425 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Tgt Ion:128 Resp: 196286
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 10.8 8.6 12.8



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

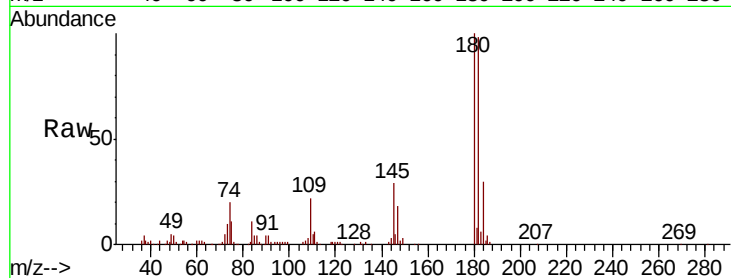




#70
 1,2,3-Trichlorobenzene
 Concen: 10.712 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV013866.D
 Acq: 02 Dec 2019 12:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	96.8	77.0	115.4
145	145	29.3	22.6	34.0



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

