

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013868.D
 Acq On : 02 Dec 2019 13:00
 Operator : SY/MD
 Sample : VSTD10061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 01:27:25 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	690794	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	658934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	413944	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	406590	101.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	419448	120.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	877944	119.11	ug/L	0.00
21) 2-Butanone-d5	3.92	46	631420	214.49	ug/L	0.00
24) Chloroform-d	4.40	84	874573	101.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	534273	94.81	ug/L	0.00
32) Benzene-d6	5.09	84	1742000	99.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	519307	93.11	ug/L	0.00
41) Toluene-d8	7.35	98	1670182	104.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	259012	100.19	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	423445	209.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	823233	113.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	784755	95.82	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	592095	103.350	ug/L	99
3) Chloromethane	1.25	50	536902	99.799	ug/L	98
5) Vinyl chloride	1.32	62	571711	111.131	ug/L	98
6) Bromomethane	1.52	94	349517	134.223	ug/L	99
8) Chloroethane	1.60	64	377040	124.866	ug/L	99
9) Trichlorofluoromethane	1.77	101	882234	123.883	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	499608	123.986	ug/L	99
12) 1,1-Dichloroethene	2.14	96	475463	123.871	ug/L	97
13) Acetone	2.18	43	741029	250.778	ug/L	99
14) Carbon disulfide	2.32	76	1266803	100.524	ug/L	100
15) Methyl Acetate	2.45	43	499032	100.587	ug/L	100
16) Methylene chloride	2.53	84	496916	101.408	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	477004	105.353	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	1454317	106.066	ug/L	100
19) 1,1-Dichloroethane	3.23	63	852419	100.392	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	534768	107.953	ug/L	100
22) 2-Butanone	4.00	43	812968	223.324	ug/L	98
23) Bromochloromethane	4.29	128	284613	108.471	ug/L	99
25) Chloroform	4.42	83	886244	100.418	ug/L	99
27) 1,2-Dichloroethane	5.17	62	660814	98.985	ug/L	100
29) Cyclohexane	4.72	56	785238	104.706	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	774080	104.857	ug/L	100
31) Carbon tetrachloride	4.87	117	691403	104.949	ug/L	99
33) Benzene	5.14	78	1935080	103.696	ug/L	100
34) Trichloroethene	5.96	95	509741	102.068	ug/L	99
35) Methylcyclohexane	6.17	83	830840	108.837	ug/L	99
37) 1,2-Dichloropropane	6.22	63	473451	97.605	ug/L	100
38) Bromodichloromethane	6.55	83	670153	104.080	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	788474	106.182	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	1282532	207.869	ug/L	98

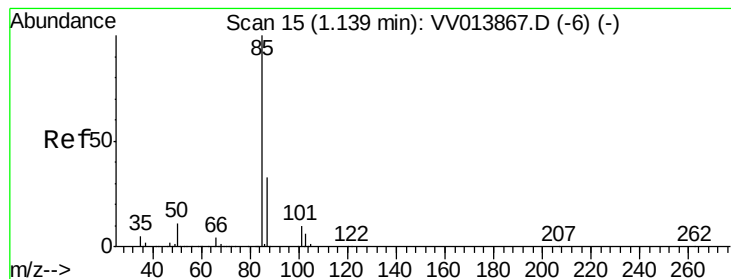
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2045500	105.533	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	691386	107.328	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	466895	101.643	ug/L	98
46) Tetrachloroethene	8.02	164	463649	107.758	ug/L	97
48) 2-Hexanone	8.18	43	1024292	211.526	ug/L	97
49) Dibromochloromethane	8.29	129	571920	107.435	ug/L	99
50) 1,2-Dibromoethane	8.39	107	503242	103.517	ug/L	99
51) Chlorobenzene	8.92	112	1354203	104.147	ug/L	99
52) Ethylbenzene	9.05	91	2289734	108.542	ug/L	100
53) m,p-Xylene	9.18	106	896363	111.288	ug/L	98
54) o-xylene	9.58	106	866333	110.750	ug/L	100
55) Styrene	9.60	104	1522190	112.026	ug/L	98
56) Isopropylbenzene	9.97	105	2321058	111.294	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	805879	114.134	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	650843	110.600	ug/L	100
61) Bromoform	9.77	173	465418	96.720	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	1277291	101.828	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1338464	102.648	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1263390	100.556	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	176733	101.611	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	1047338	106.425	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	977032	112.797	ug/L	99
69) Naphthalene	13.54	128	2580649	111.518	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	976240	105.603	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 103.350 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

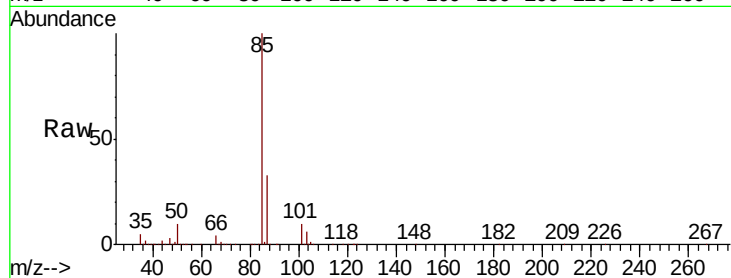
ClientSampleId :

Tot Ion: 85 Resp: 592095

Ion Ratio Lower Upper

85 100

87 32.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013867.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013867.D (-6) (-)

1.14

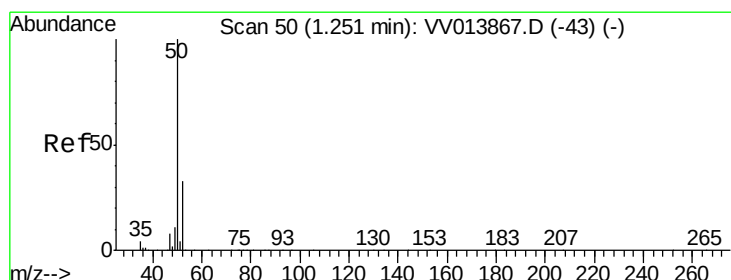
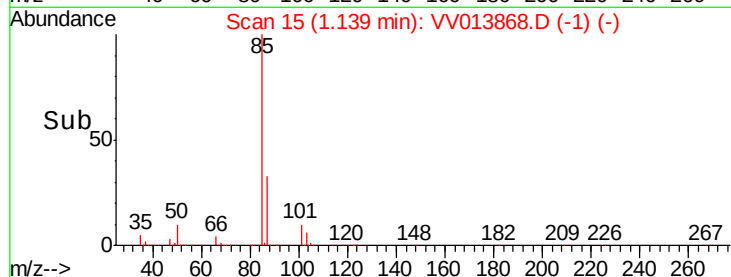
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 99.799 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013868.D

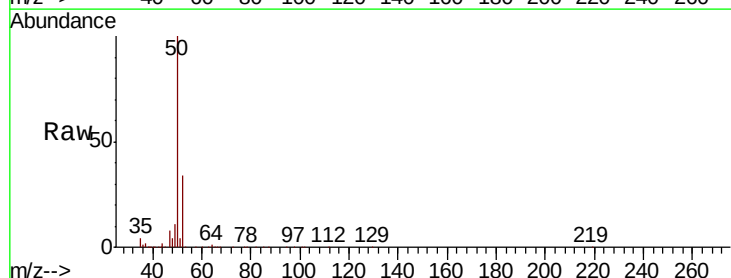
Acq: 02 Dec 2019 13:00

Tgt Ion: 50 Resp: 536902

Ion Ratio Lower Upper

50 100

52 33.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013867.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013867.D (-43) (-)

1.25

600000

500000

400000

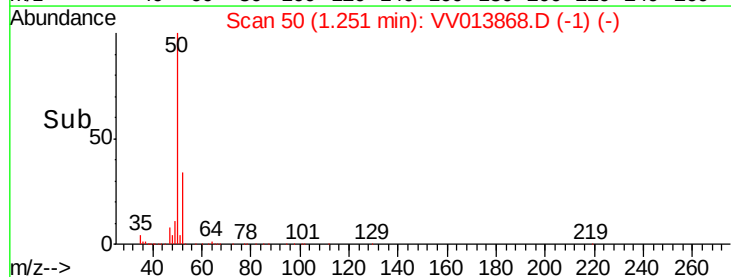
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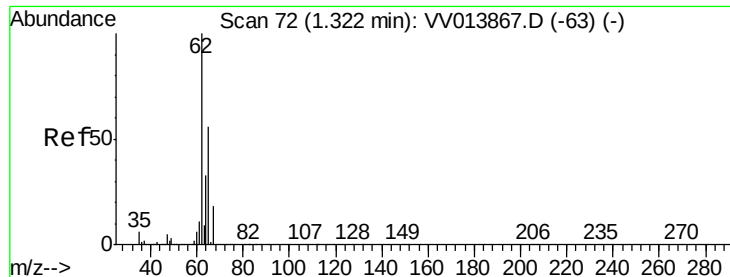
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 111.131 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

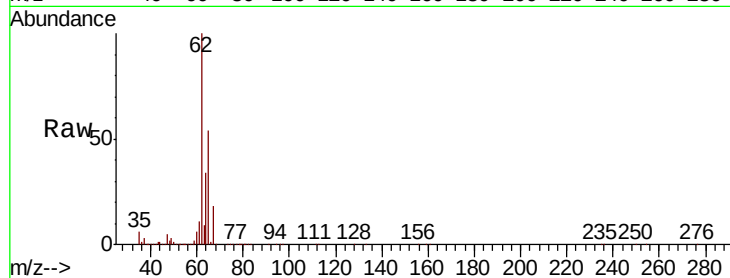
ClientSampleId :

Tot Ion: 62 Resp: 571711

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

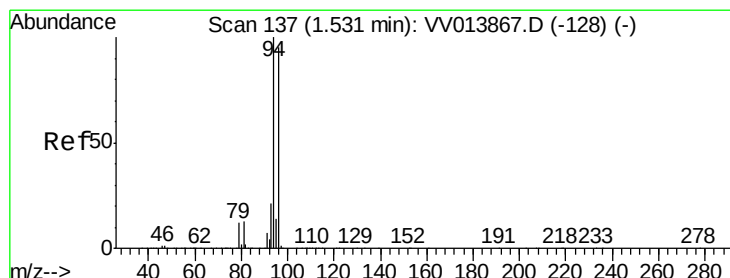
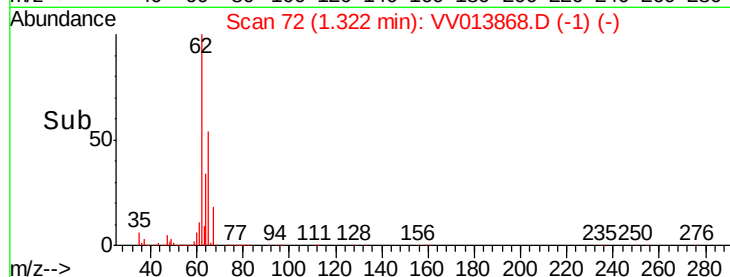
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 134.223 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV013868.D

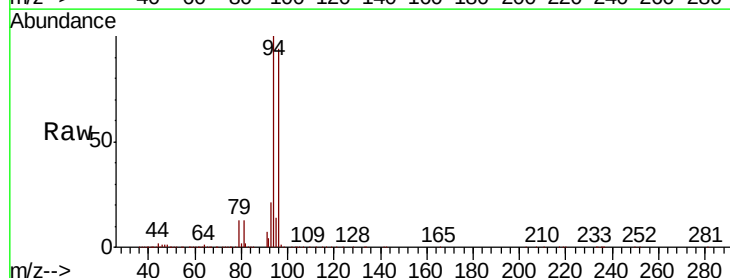
Acq: 02 Dec 2019 13:00

Tgt Ion: 94 Resp: 349517

Ion Ratio Lower Upper

94 100

96 93.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

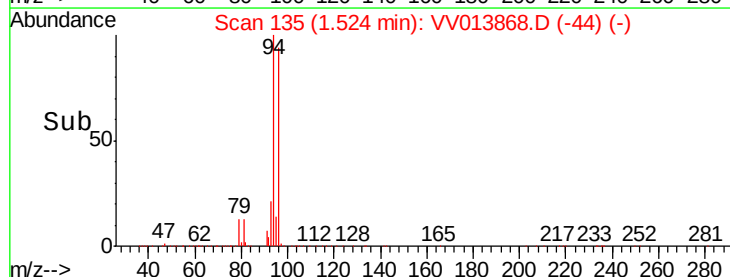
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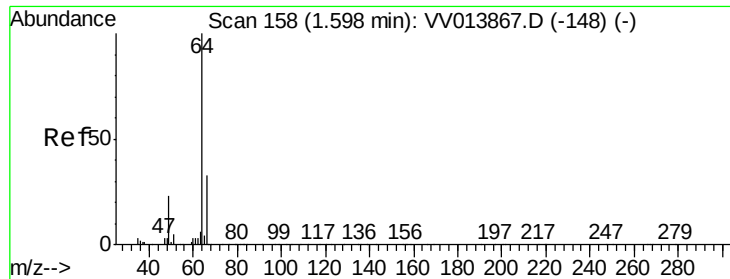
200000

100000

0

Time-->





#8

Chloroethane

Concen: 124.866 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

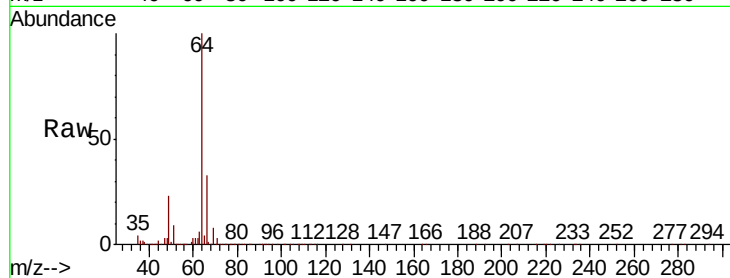
ClientSampleId :

Tot Ion: 64 Resp: 377040

Ion Ratio Lower Upper

64 100

66 32.7 22.7 42.1



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

Ion 66.00 (65.70 to 66.70): VV013868.D (-34) (-)

1.60

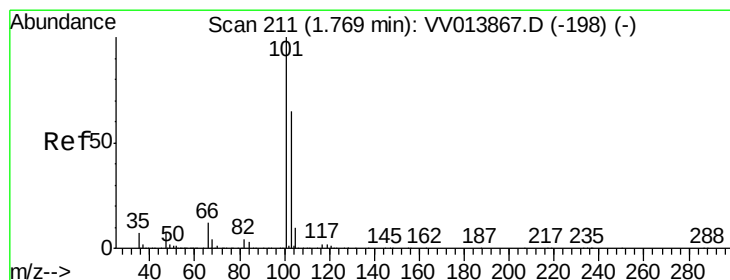
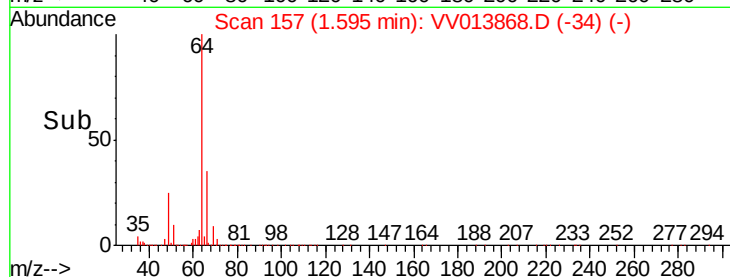
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 123.883 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013868.D

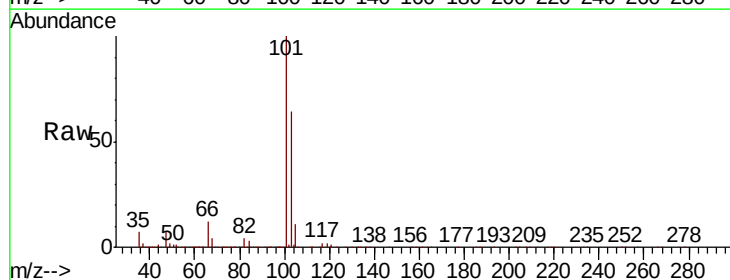
Acq: 02 Dec 2019 13:00

Tgt Ion: 101 Resp: 882234

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9



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

Ion 103.00 (102.70 to 103.70): VV013868.D (-87) (-)

1.77

800000

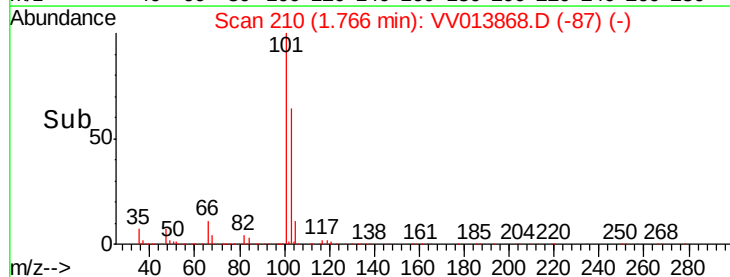
600000

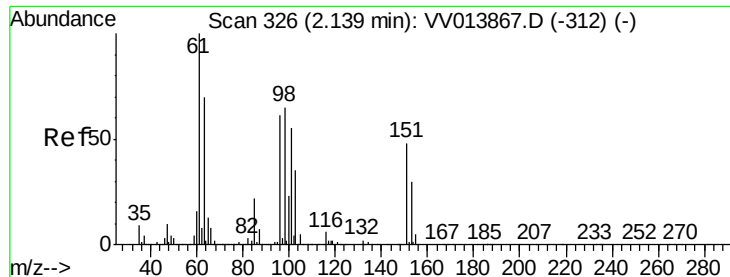
400000

200000

0

Time-->





#10

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

Concen: 123.986 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

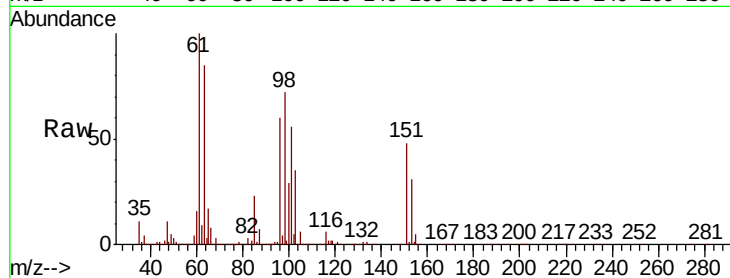
Tot Ion:101 Resp: 499608

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

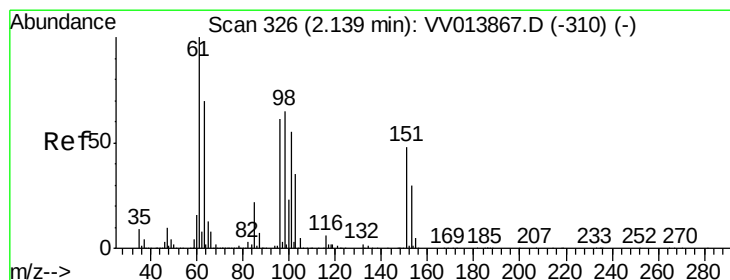
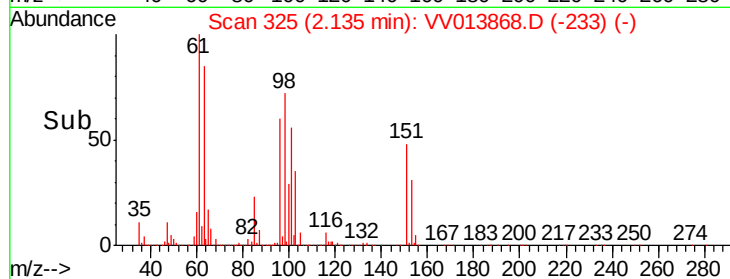
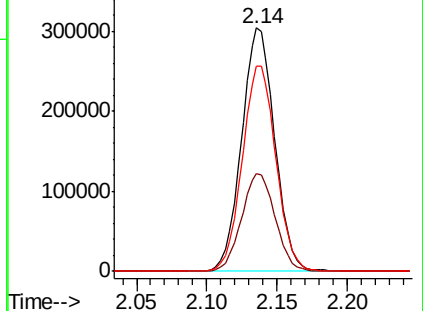
151 85.7 69.8 104.6



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: 123.871 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

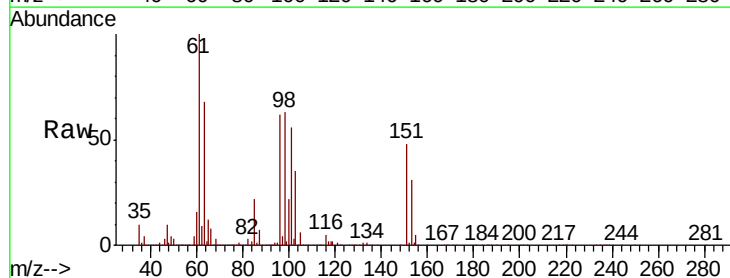
Tgt Ion: 96 Resp: 475463

Ion Ratio Lower Upper

96 100

61 161.1 114.0 211.8

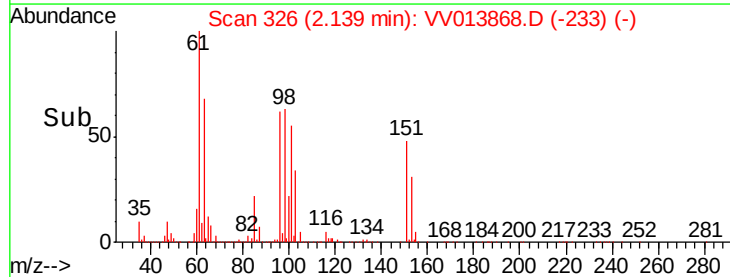
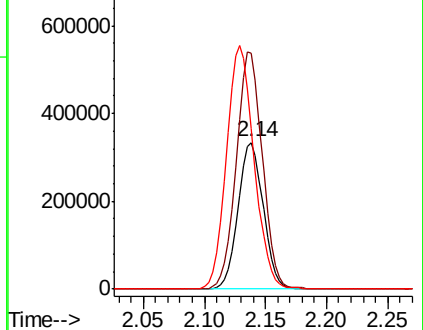
63 109.2 80.3 149.1

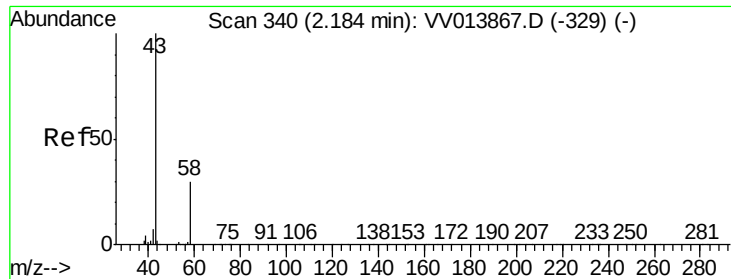


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 250.778 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

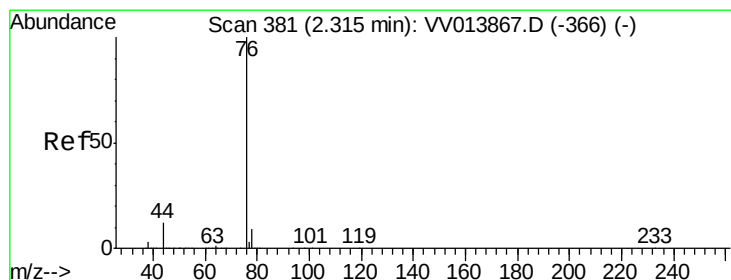
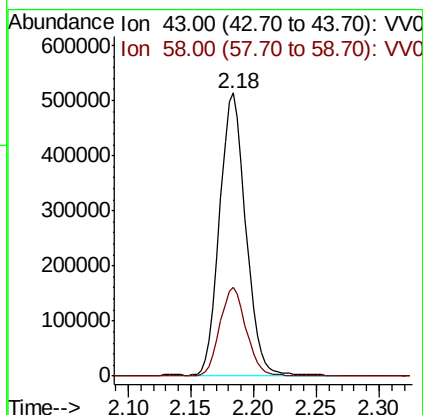
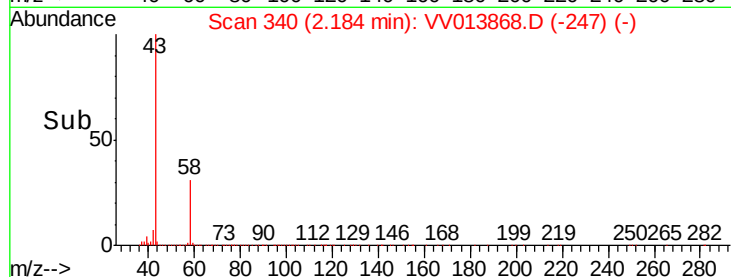
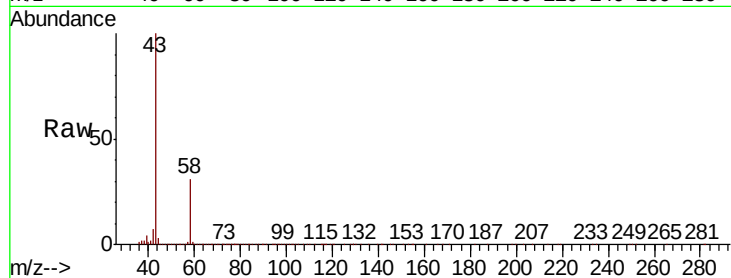
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 741029

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.8



#14

Carbon disulfide

Concen: 100.524 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013868.D

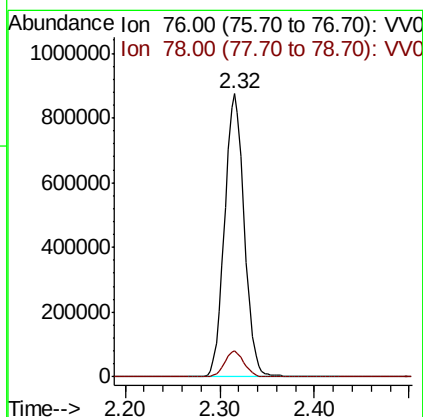
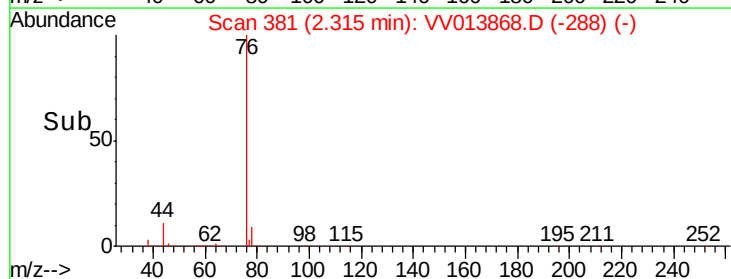
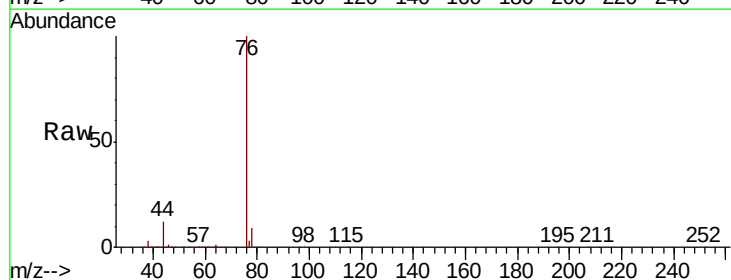
Acq: 02 Dec 2019 13:00

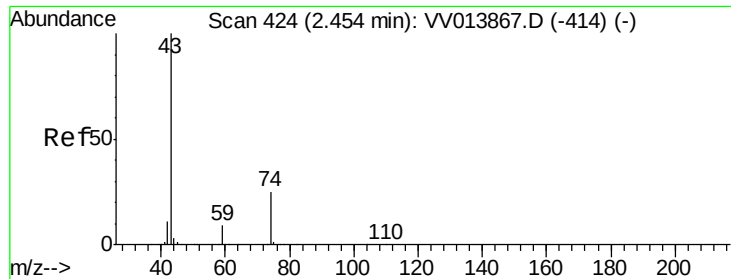
Tgt Ion: 76 Resp: 1266803

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 100.587 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

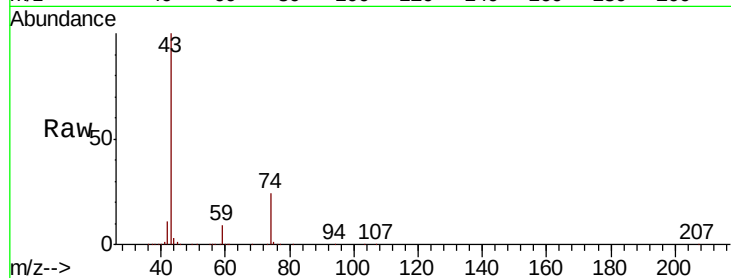
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 499032

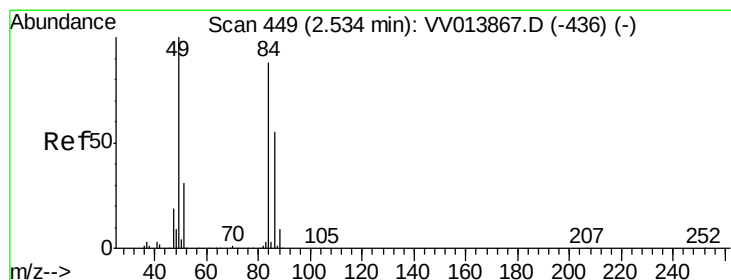
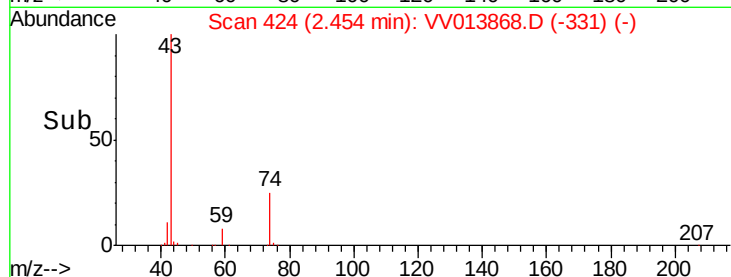
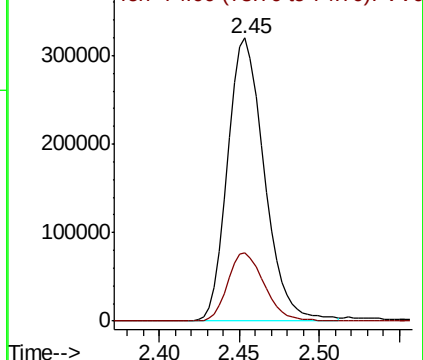
Ion Ratio Lower Upper

43 100

74 24.3 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: 101.408 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

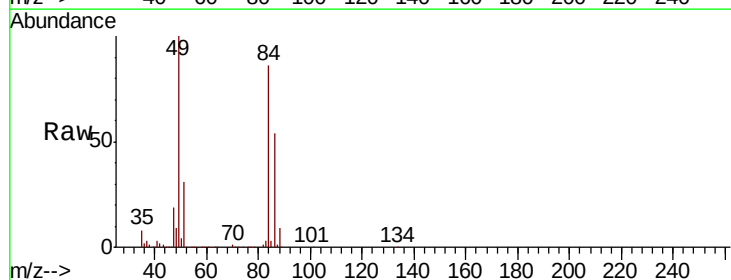
Tgt Ion: 84 Resp: 496916

Ion Ratio Lower Upper

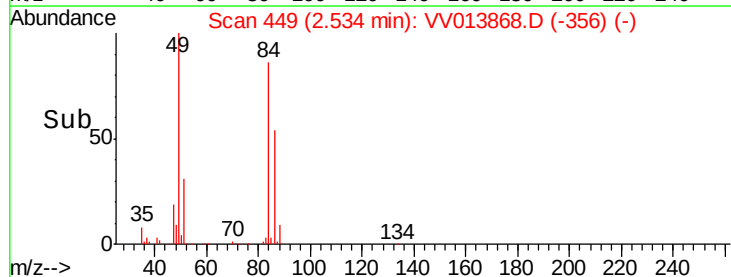
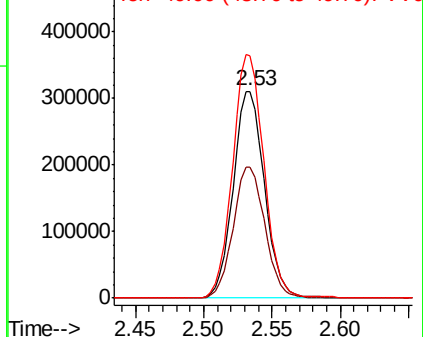
84 100

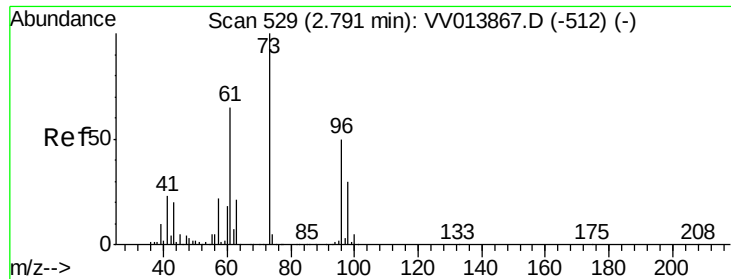
86 63.5 43.9 81.5

49 116.7 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

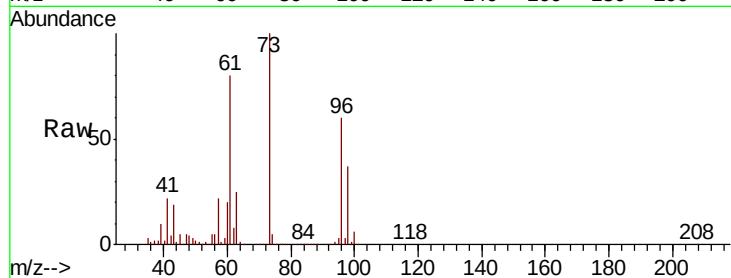




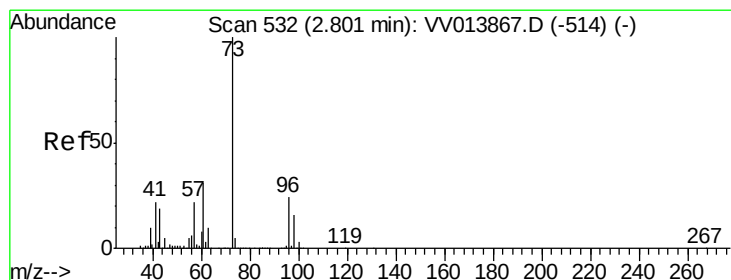
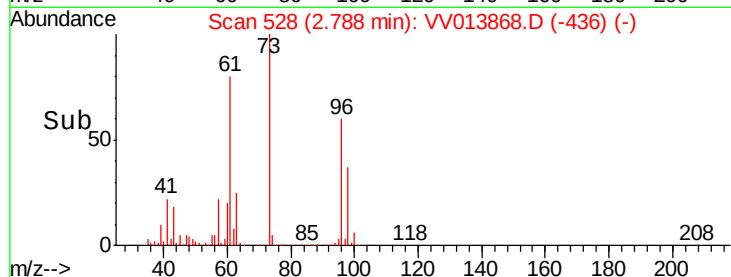
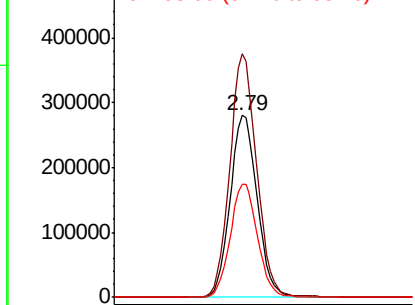
#17
trans-1,2-Dichloroethene
Concen: 105.353 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 477004
Ion Ratio Lower Upper
96 100
61 133.9 92.2 171.2
98 62.3 42.6 79.2

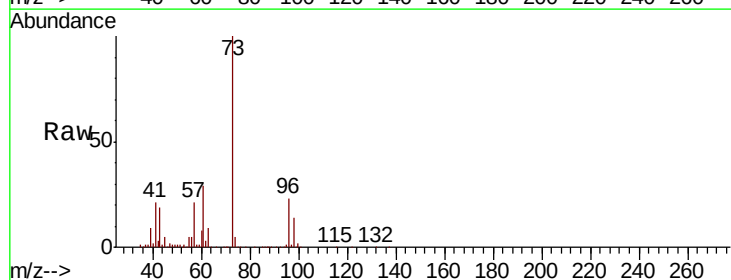


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

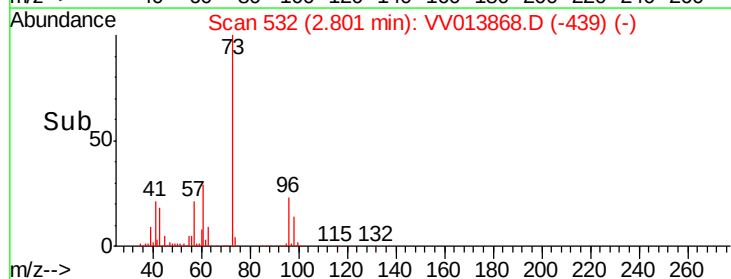
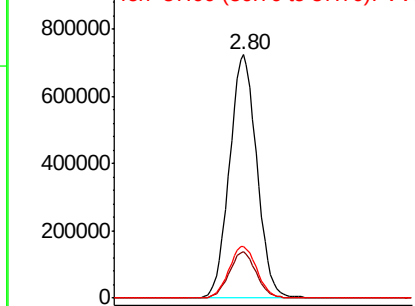


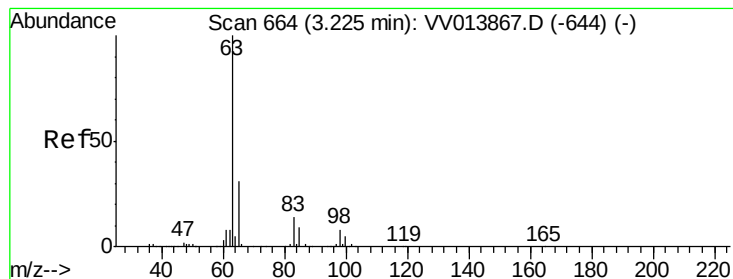
#18
Methyl tert-butyl Ether
Concen: 106.066 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 73 Resp: 1454317
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 21.8 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 100.392 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

ClientSampled :

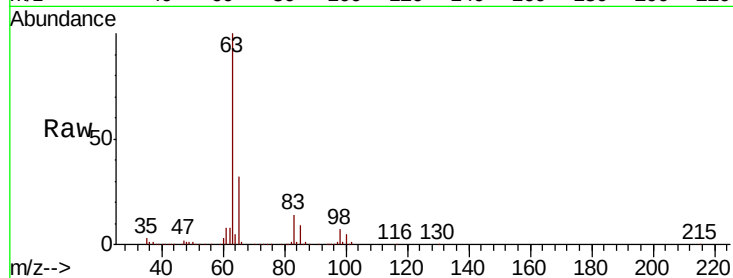
Tot Ion: 63 Resp: 852419

Ion Ratio Lower Upper

63 100

65 31.6 21.5 39.9

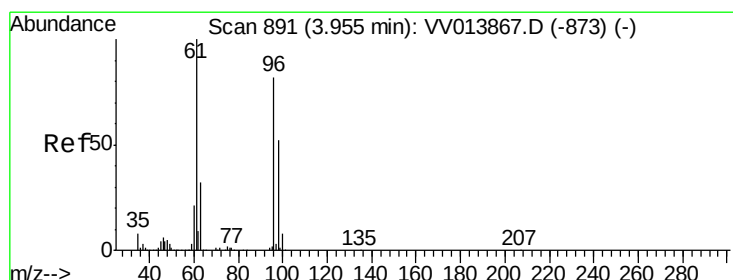
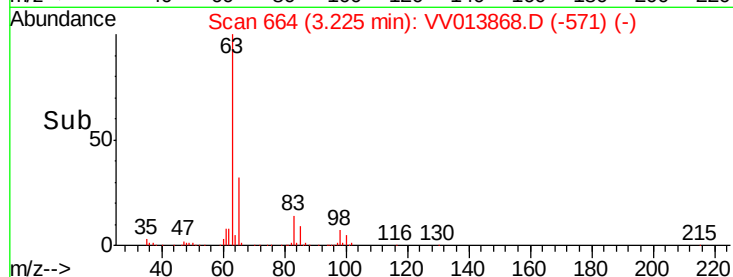
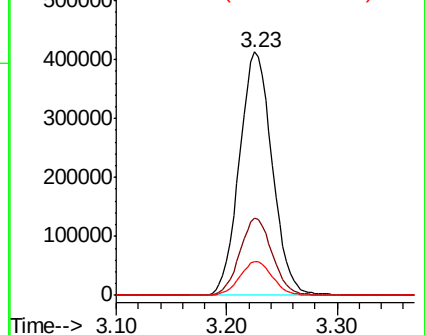
83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV013867.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV013867.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV013867.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 107.953 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

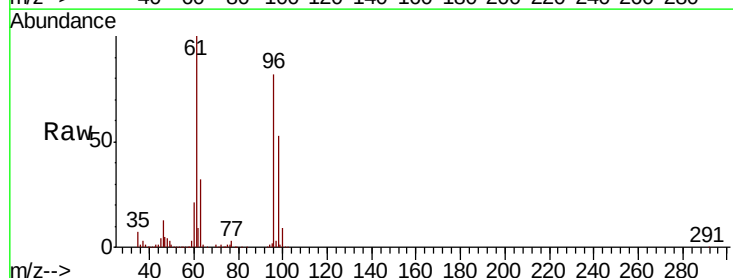
Tgt Ion: 96 Resp: 534768

Ion Ratio Lower Upper

96 100

61 122.4 85.3 158.5

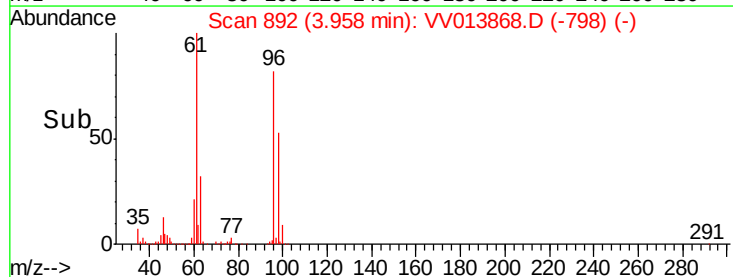
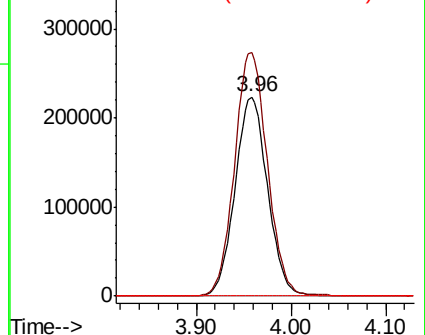
68 0.0 0.0 0.0

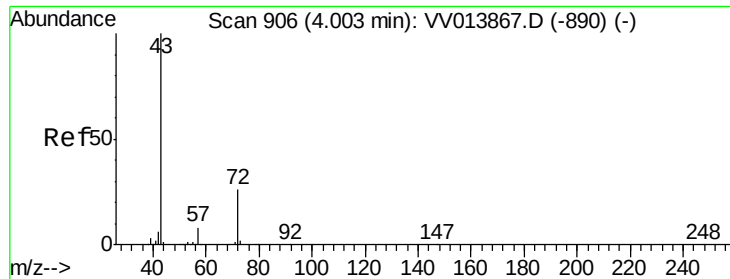


Abundance Ion 96.00 (95.70 to 96.70): VV013867.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VV013867.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VV013867.D (-873) (-)





#22

2-Butanone

Concen: 223.324 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

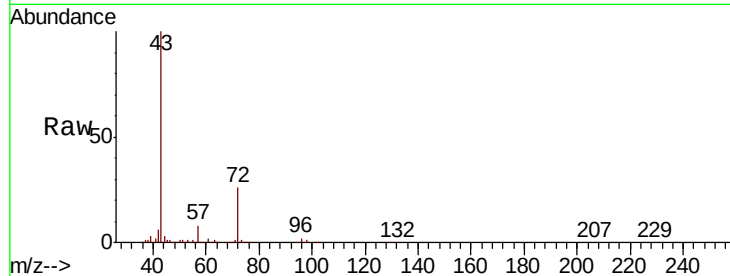
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 812968

Ion Ratio Lower Upper

43 100

72 26.9 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV013867.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV013867.D (-890) (-)

4.00

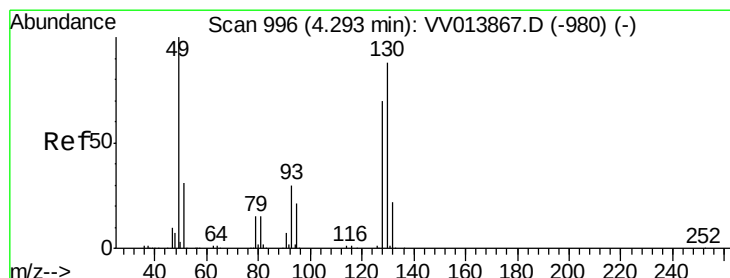
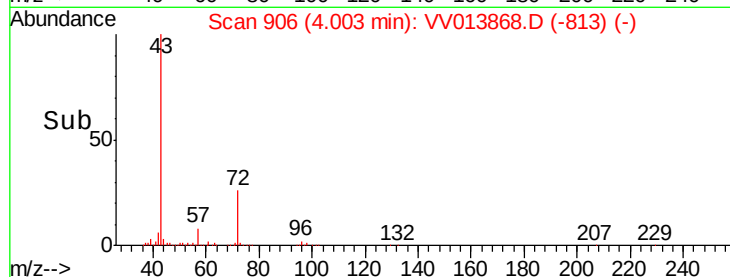
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 108.471 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Tgt Ion:128 Resp: 284613

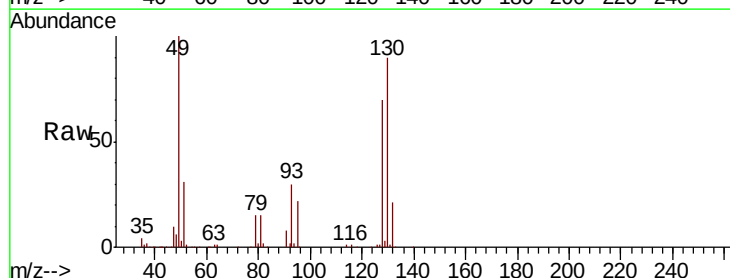
Ion Ratio Lower Upper

128 100

49 142.4 100.4 186.4

130 128.1 88.3 163.9

51 43.5 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV013867.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV013867.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV013867.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV013867.D (-980) (-)

250000

200000

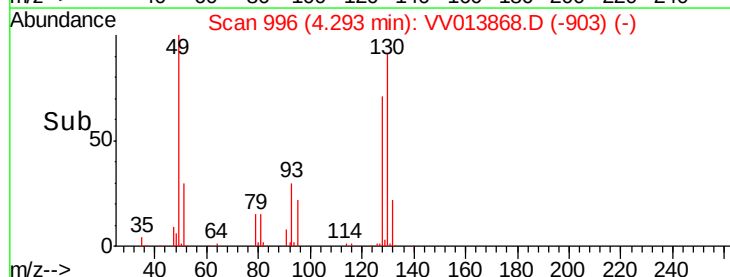
150000

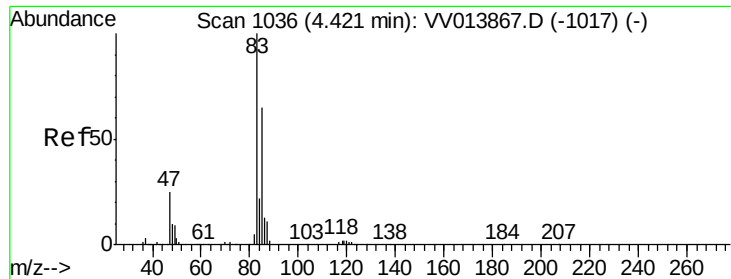
100000

50000

0

Time-->

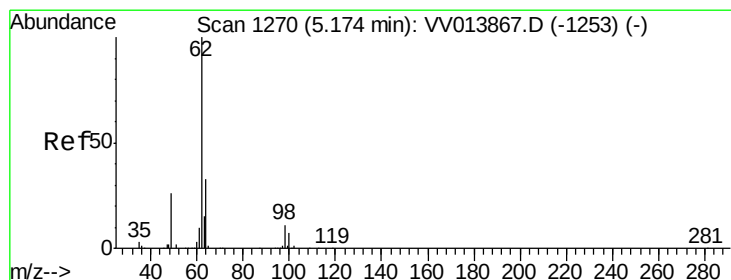
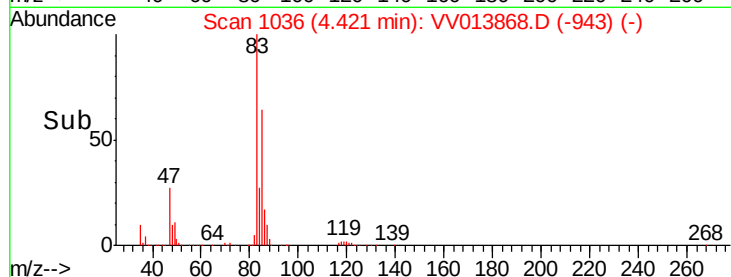
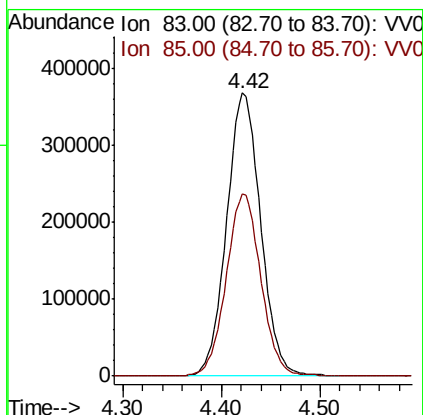
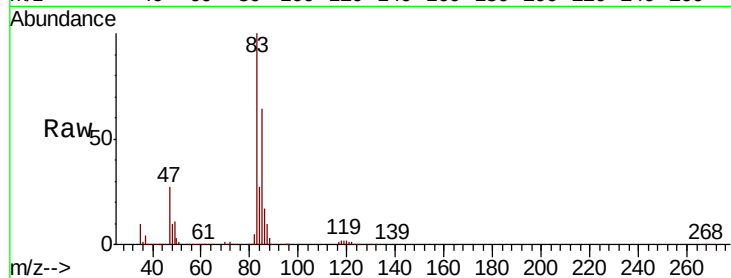




#25
Chloroform
Concen: 100.418 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

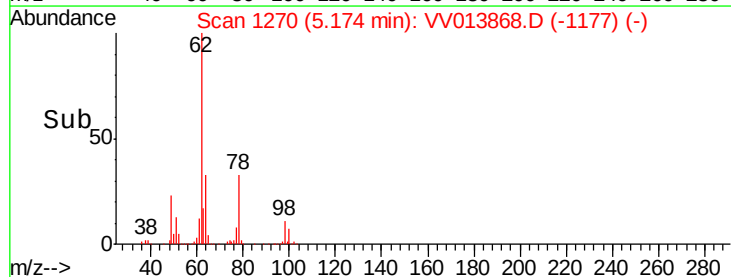
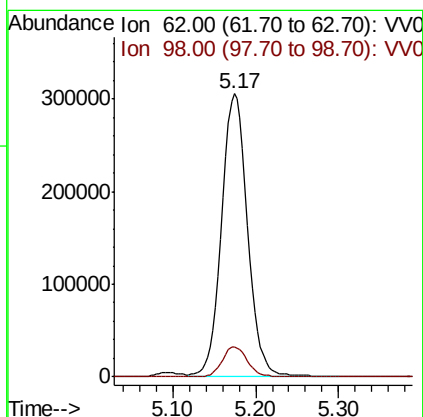
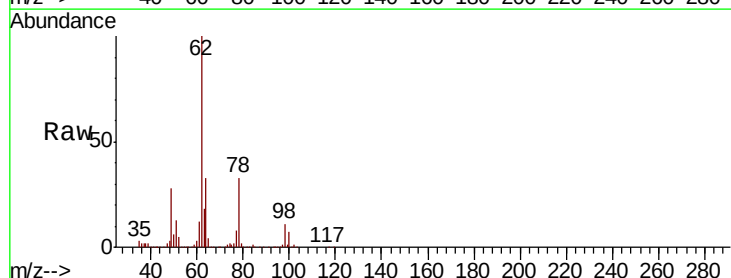
Instrument :
MSVOA_V
ClientSampleId :

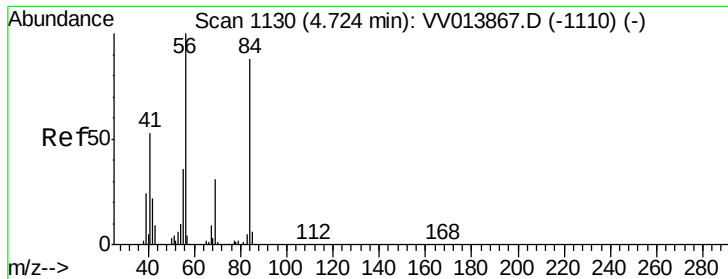
Tot Ion: 83 Resp: 886244
Ion Ratio Lower Upper
83 100
85 64.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 98.985 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 62 Resp: 660814
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7

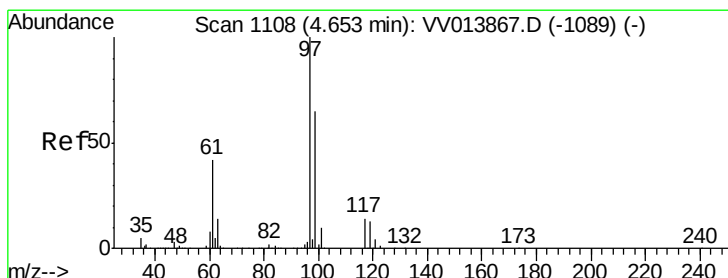
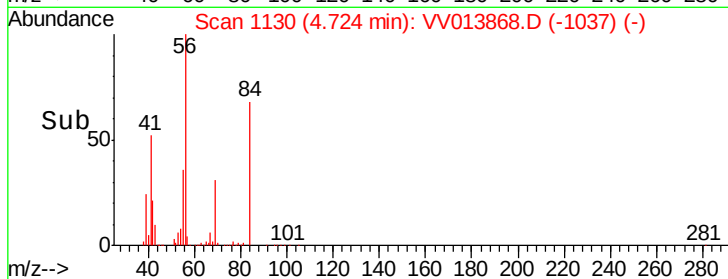
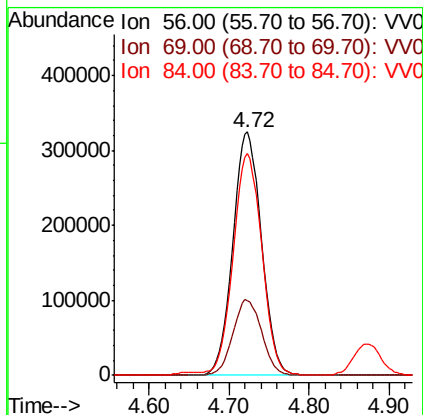
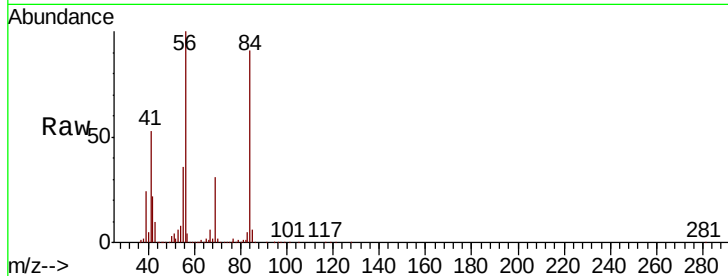




#29
Cyclohexane
Concen: 104.706 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

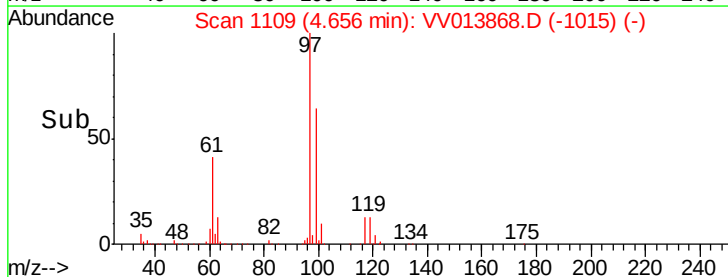
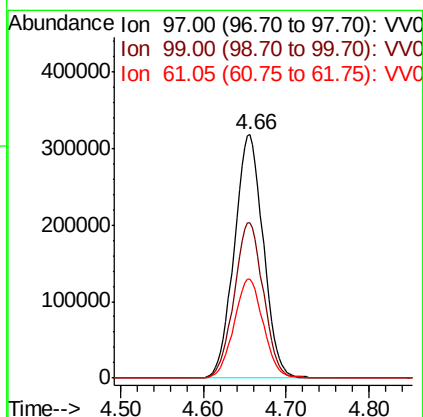
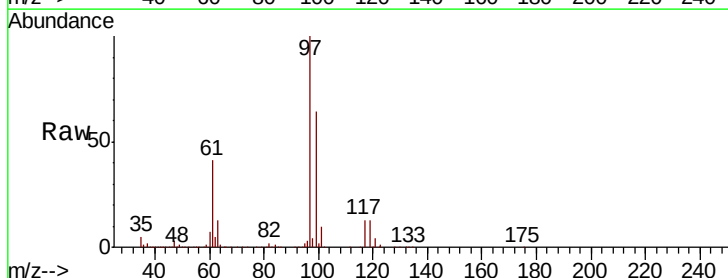
Instrument :
MSVOA_V
ClientSampleId :

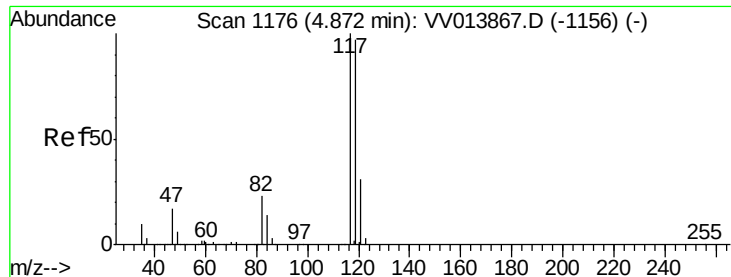
Tot Ion: 56 Resp: 785238
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 91.0 71.0 106.4



#30
1,1,1-Trichloroethane
Concen: 104.857 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 97 Resp: 774080
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 41.2 33.2 49.8





#31

Carbon tetrachloride

Concen: 104.949 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

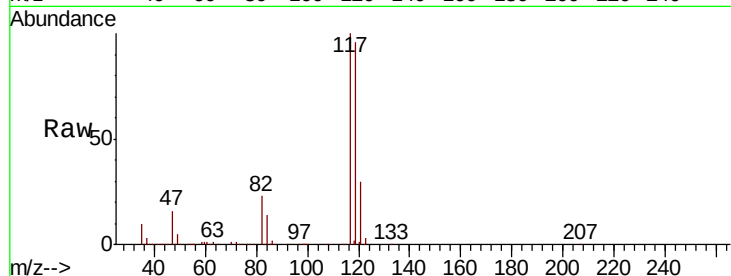
ClientSampleId :

Tot Ion:117 Resp: 691403

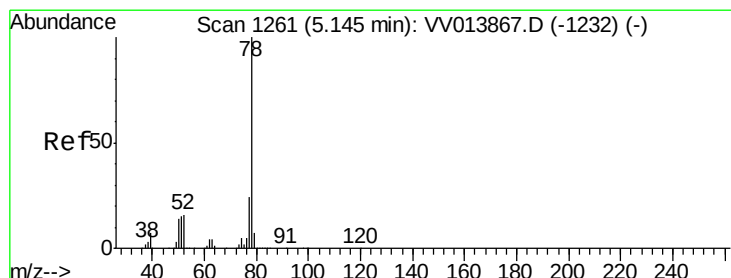
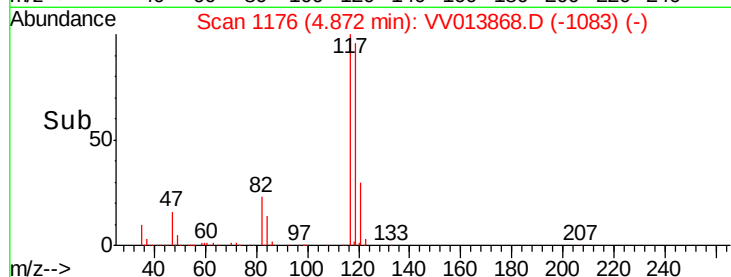
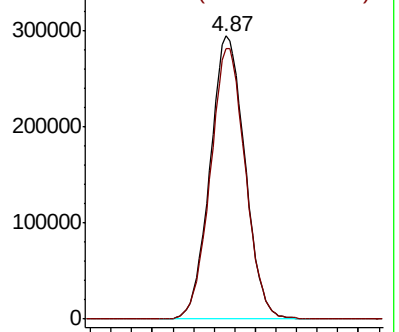
Ion Ratio Lower Upper

117 100

119 96.0 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V



#33

Benzene

Concen: 103.696 ug/L

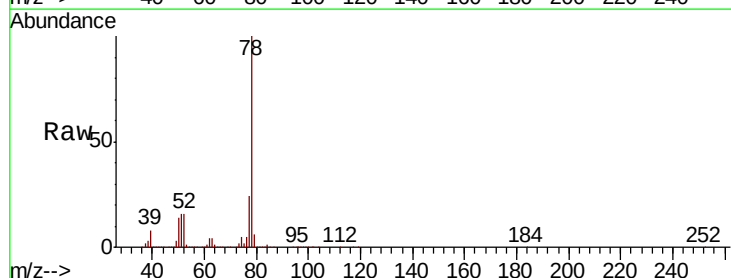
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

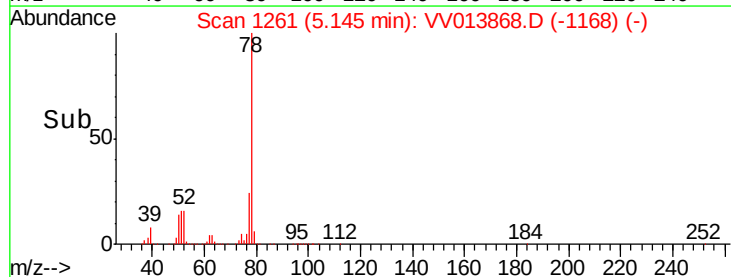
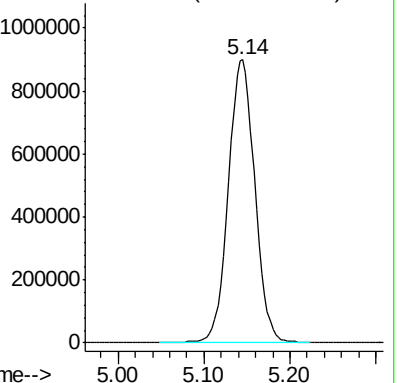
Lab File: VV013868.D

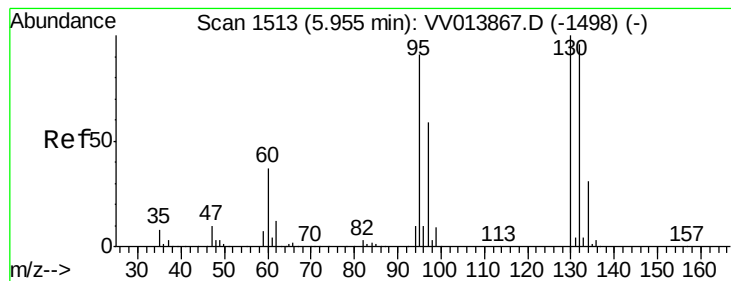
Acq: 02 Dec 2019 13:00

Tgt Ion: 78 Resp: 1935080



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 102.068 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 509741

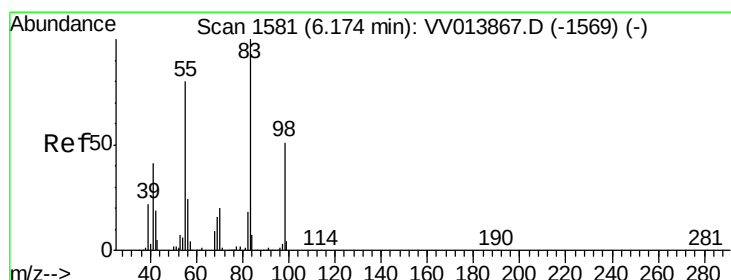
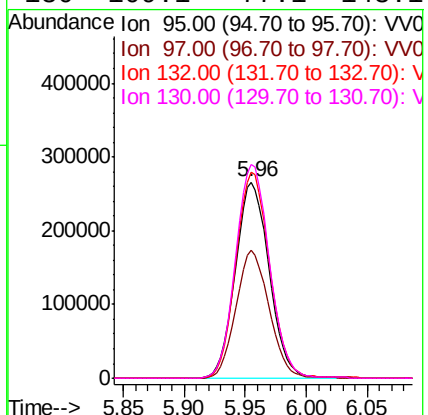
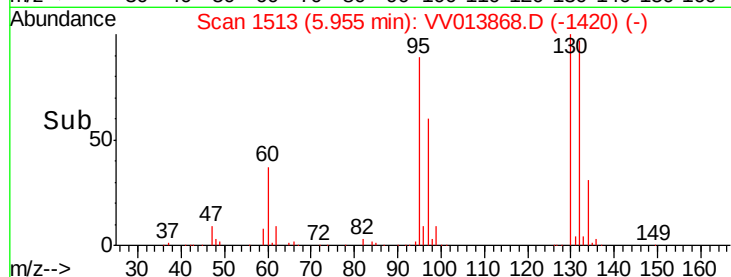
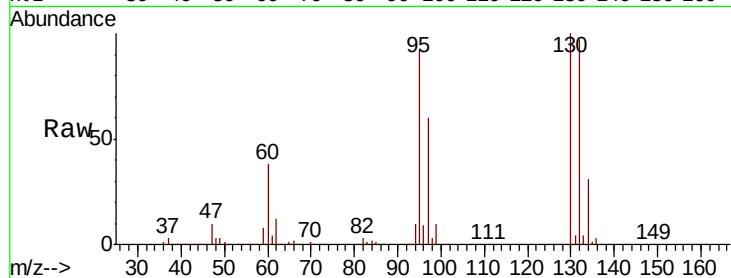
Ion Ratio Lower Upper

95 100

97 65.4 45.4 84.4

132 105.3 73.7 136.9

130 109.1 77.1 143.1



#35

Methylcyclohexane

Concen: 108.837 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

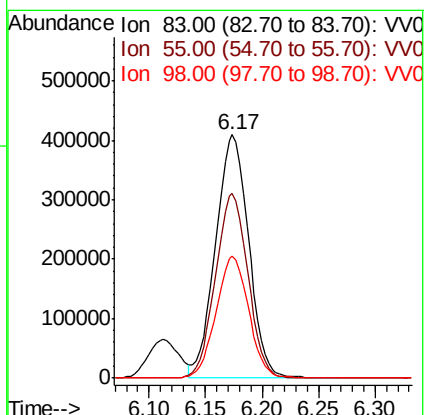
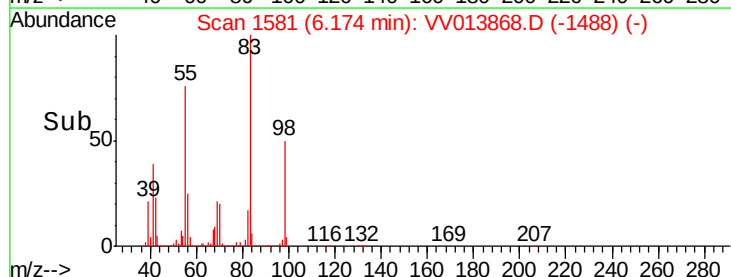
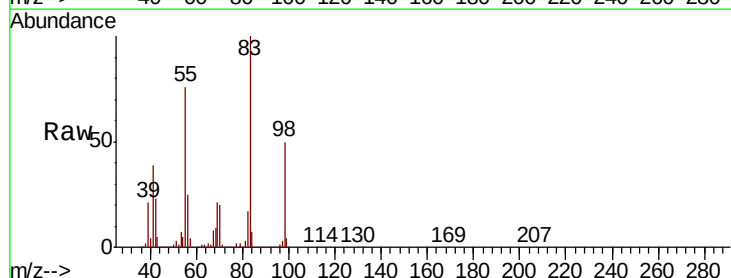
Tgt Ion: 83 Resp: 830840

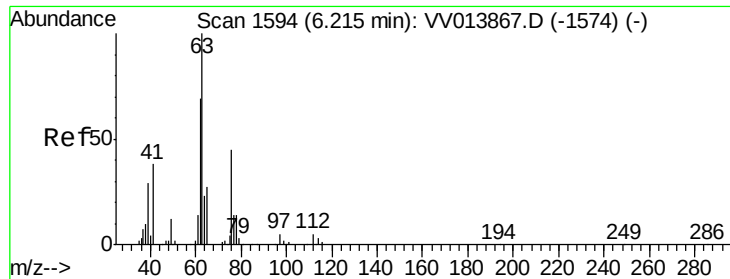
Ion Ratio Lower Upper

83 100

55 74.5 61.0 91.4

98 49.6 39.6 59.4

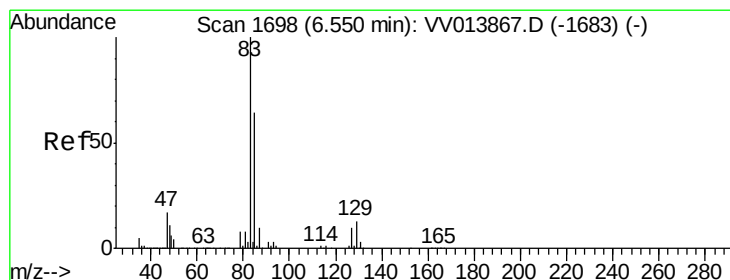
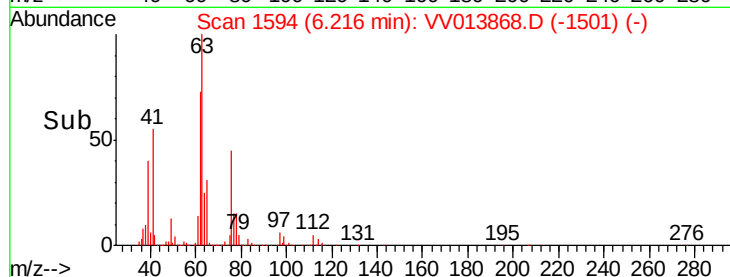
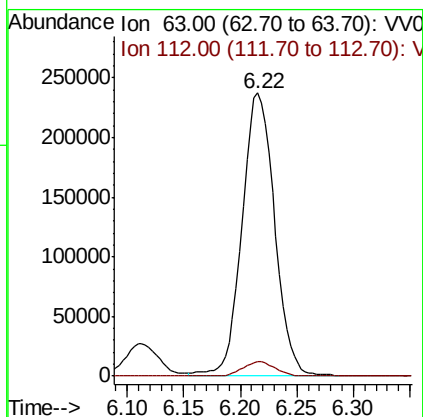
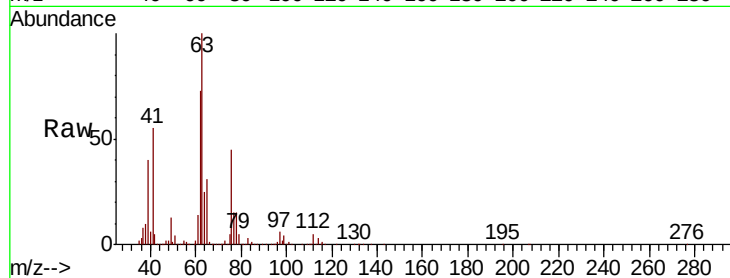




#37
 1,2-Dichloropropane
 Concen: 97.605 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

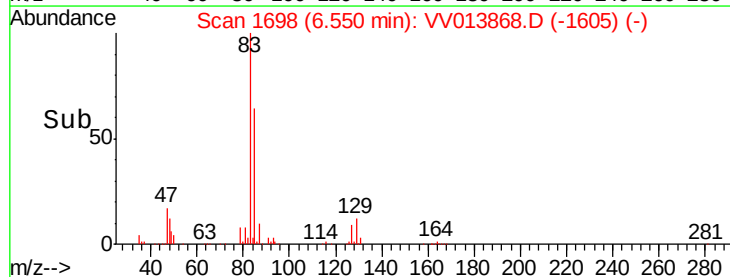
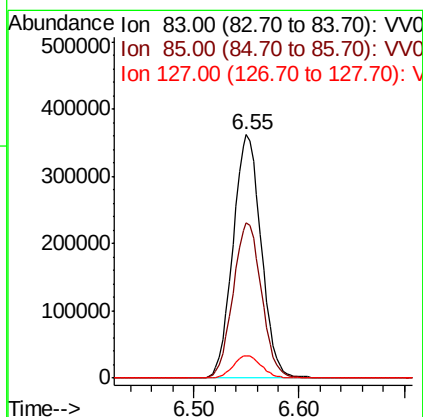
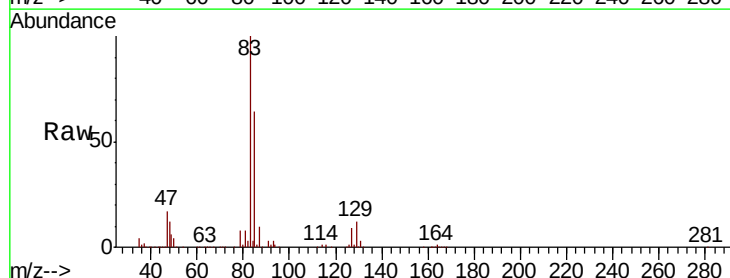
Instrument :
 MSVOA_V
 ClientSampled :

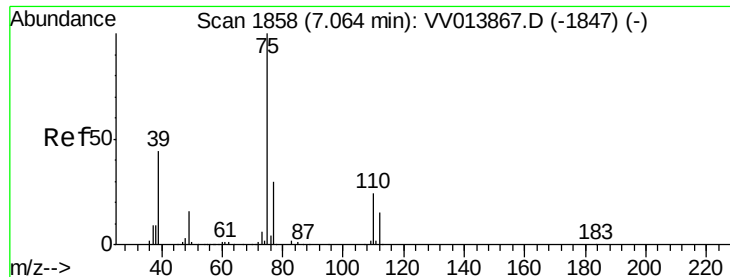
Tot Ion: 63 Resp: 473451
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 104.080 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

Tgt Ion: 83 Resp: 670153
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 9.3 7.7 11.5



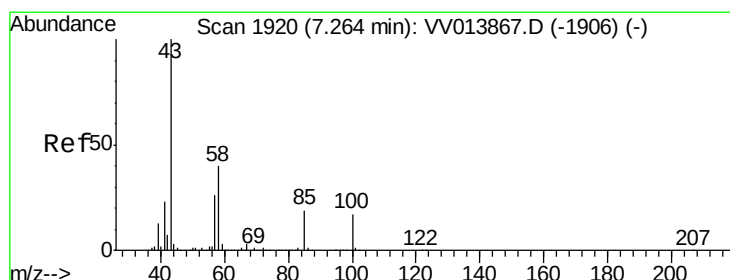
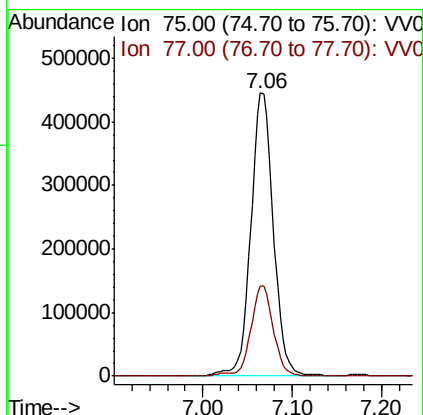
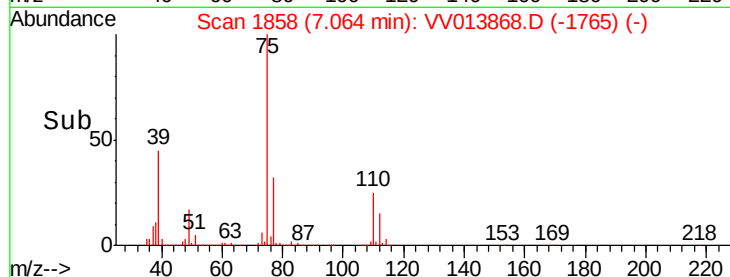
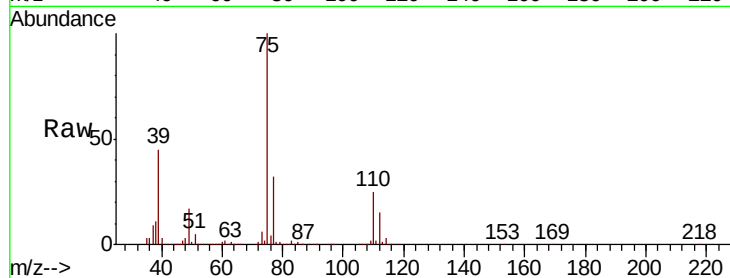


#39

cis-1,3-Dichloropropene
Concen: 106.182 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Instrument :
MSVOA_V
ClientSampleId :

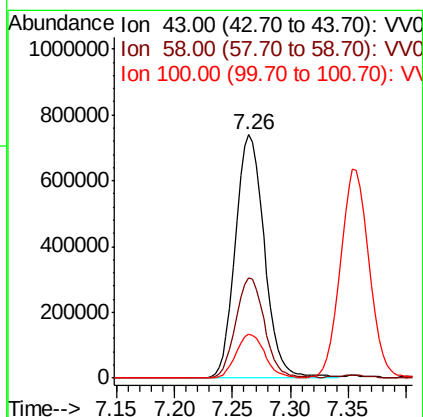
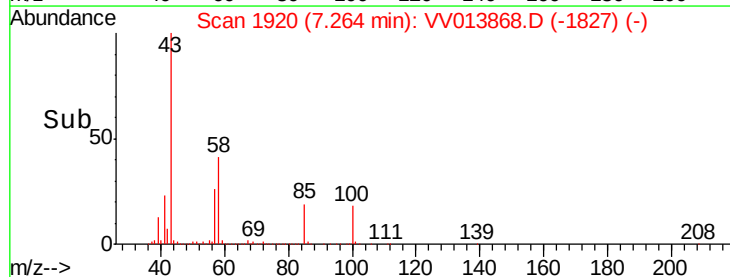
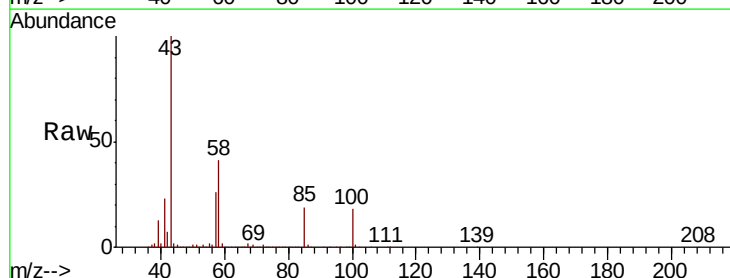
Tot Ion: 75 Resp: 788474
Ion Ratio Lower Upper
75 100
77 31.8 21.6 40.2

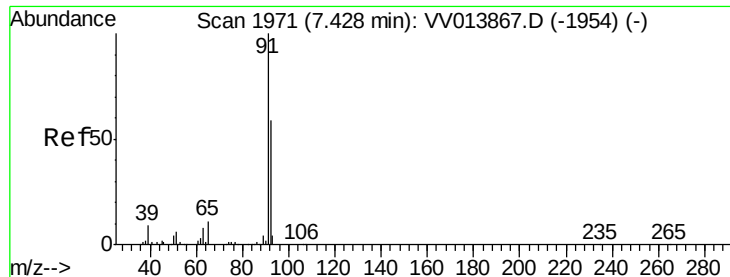


#40

4-Methyl-2-pentanone
Concen: 207.869 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 43 Resp: 1282532
Ion Ratio Lower Upper
43 100
58 41.0 31.9 47.9
100 18.0 13.7 20.5





#42

Toluene

Concen: 105.533 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

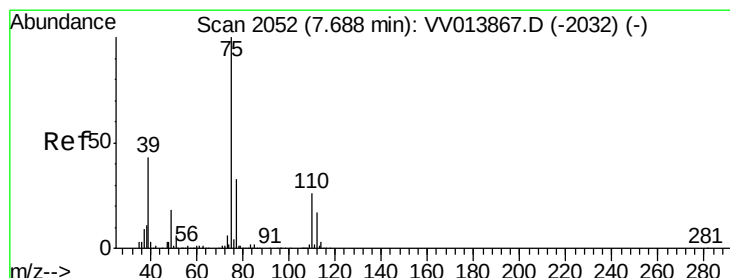
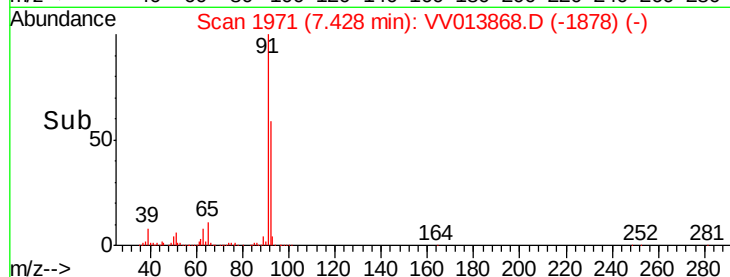
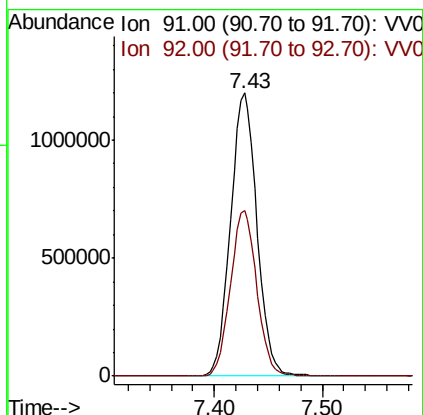
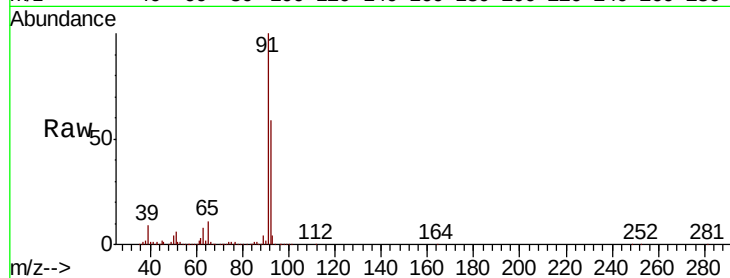
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2045500

Ion Ratio Lower Upper

91 100

92 58.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 107.328 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013868.D

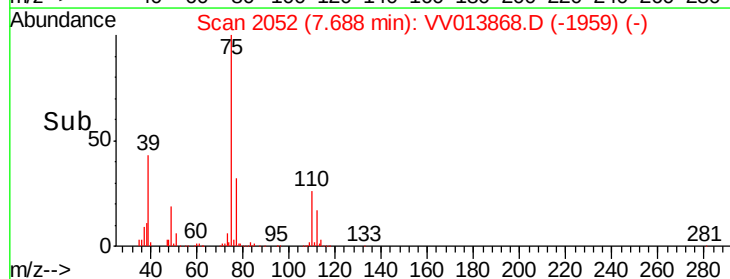
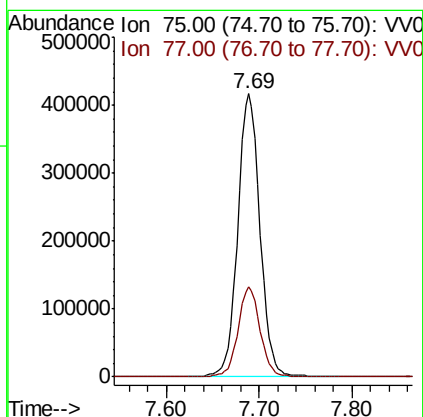
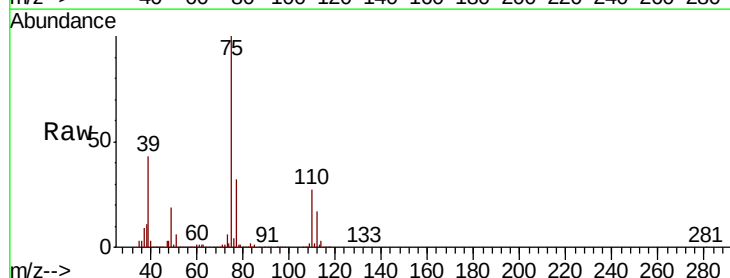
Acq: 02 Dec 2019 13:00

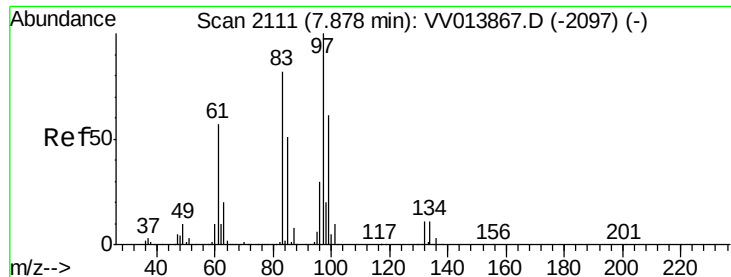
Tgt Ion: 75 Resp: 691386

Ion Ratio Lower Upper

75 100

77 31.7 22.9 42.5

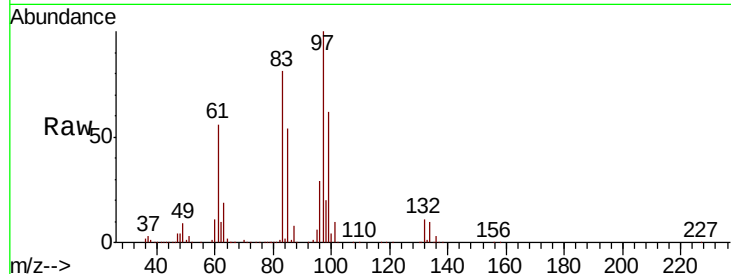




#45
 1,1,2-Trichloroethane
 Concen: 101.643 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

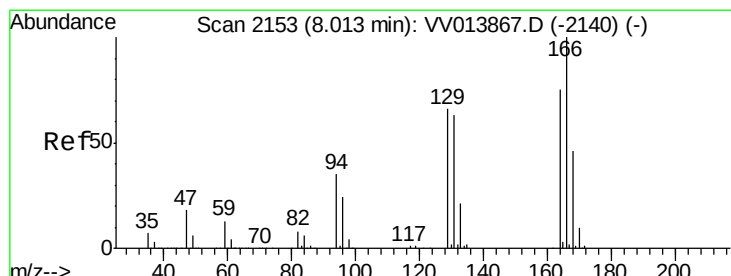
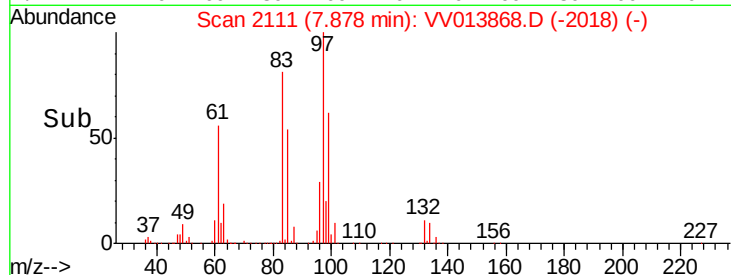
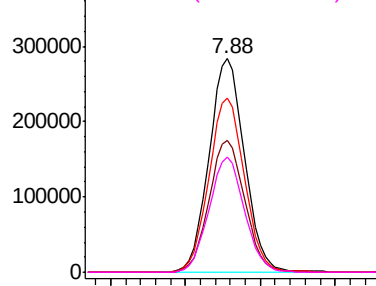
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	466895
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.0	80.0
83	81.4	57.5	106.9
85	53.7	35.6	66.2



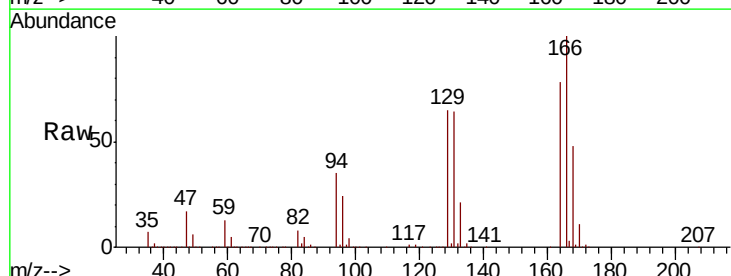
Abundance

Ion 97.00 (96.70 to 97.70): VV013867.D (-2097) (-)



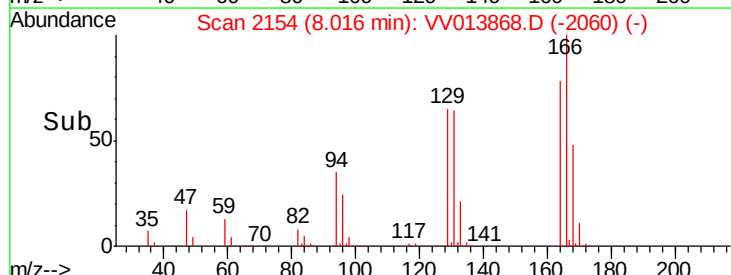
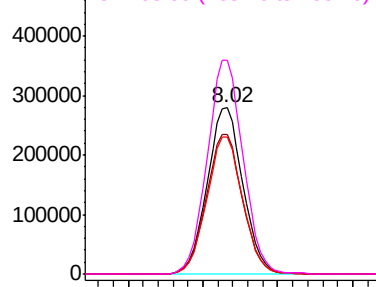
#46
 Tetrachloroethene
 Concen: 107.758 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

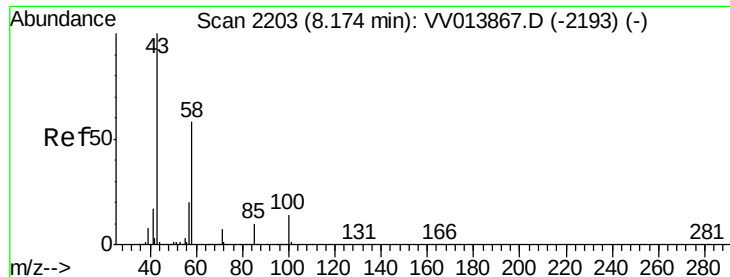
Tgt Ion:	164	Resp:	463649
Ion	Ratio	Lower	Upper
164	100		
129	83.9	61.7	114.7
131	82.5	58.4	108.6
166	128.8	93.4	173.6



Abundance

Ion 164.00 (163.70 to 164.70): VV013867.D (-2140) (-)



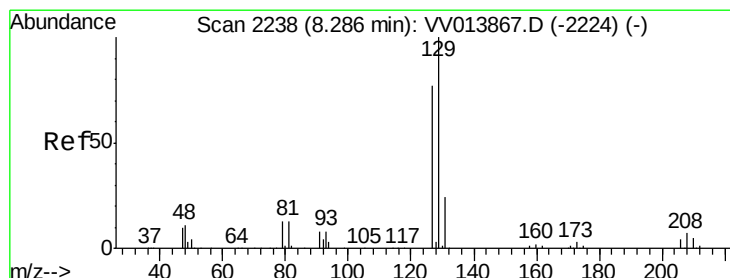
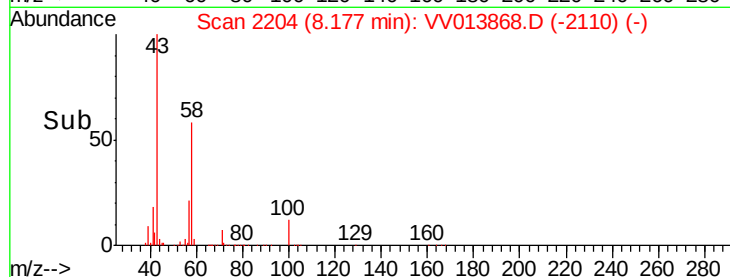
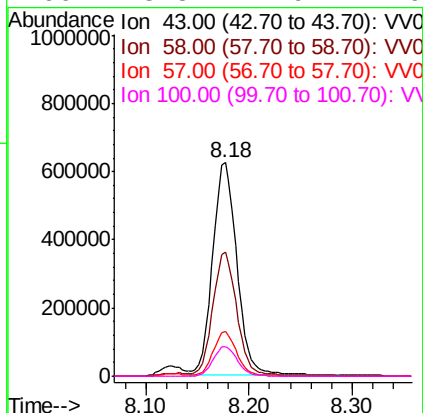
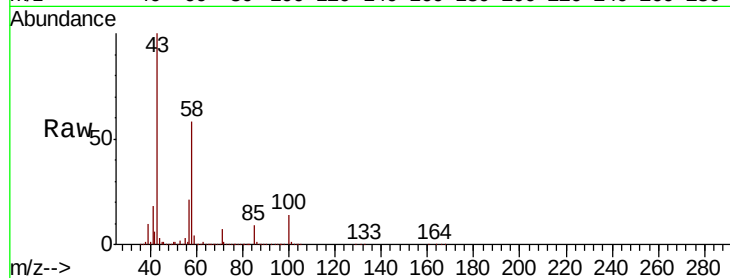


#48
2-Hexanone
Concen: 211.526 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1024292

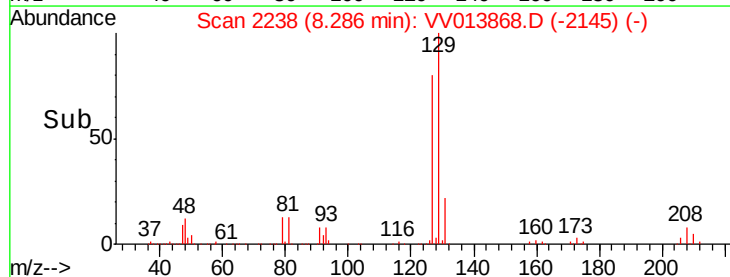
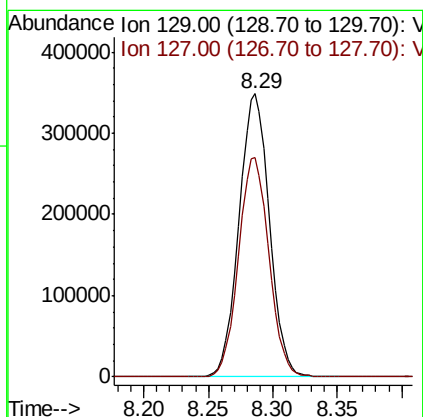
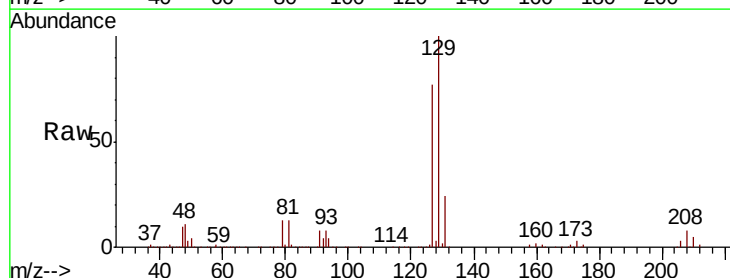
Ion	Ratio	Lower	Upper
43	100		
58	58.1	48.4	72.6
57	19.9	16.6	24.8
100	13.8	11.9	17.9

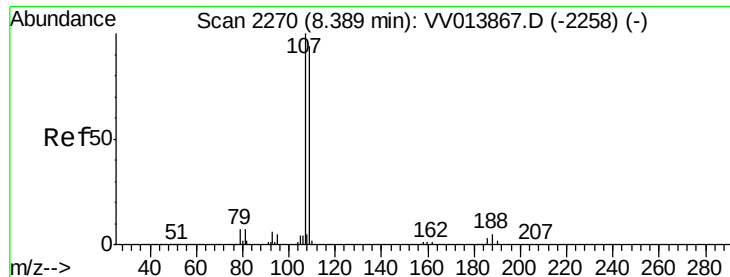


#49
Dibromochloromethane
Concen: 107.435 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 129 Resp: 571920

Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.7	99.7

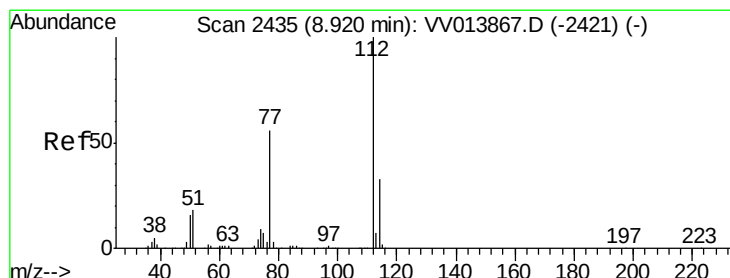
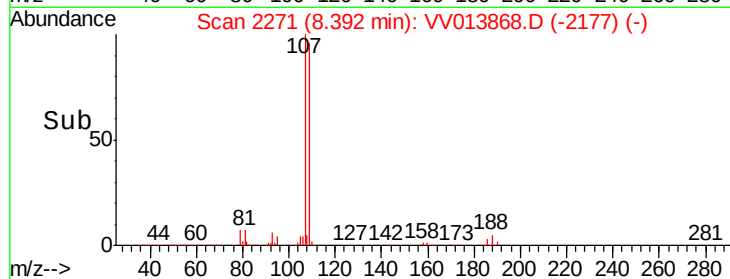
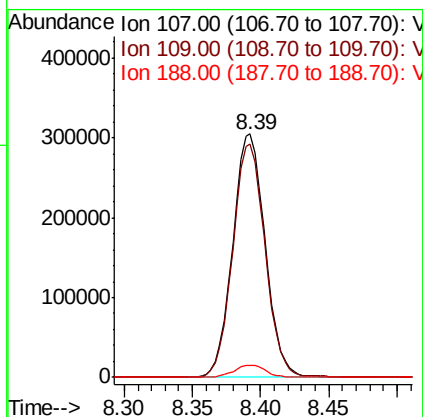
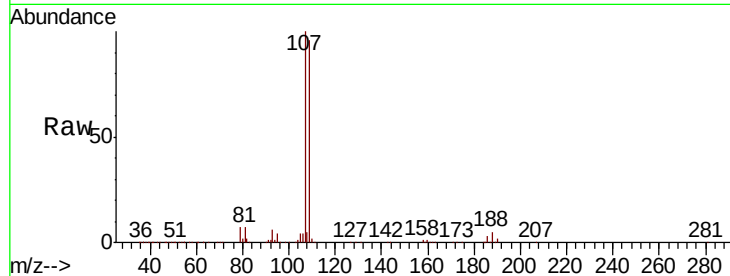




#50
 1,2-Dibromoethane
 Concen: 103.517 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

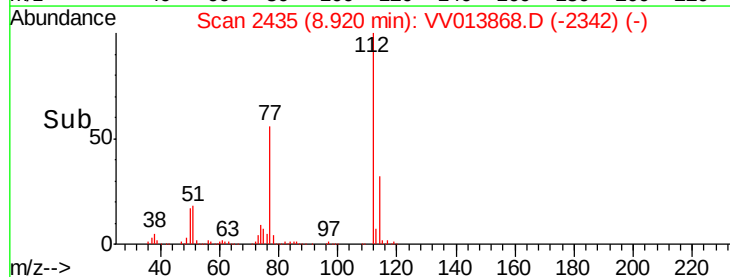
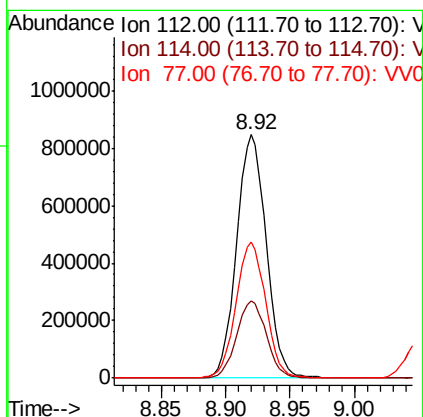
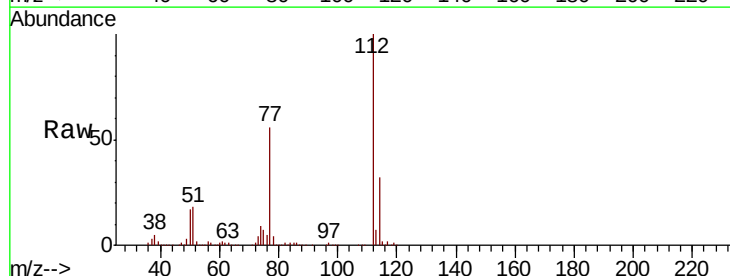
Instrument :
 MSVOA_V
 ClientSampleId :

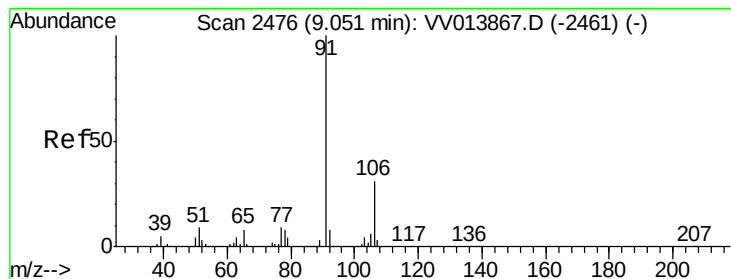
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	65.9	122.5
188	4.9	3.6	5.4



#51
 Chlorobenzene
 Concen: 104.147 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.2	43.2
77	55.8	45.0	67.4





#52

Ethylbenzene

Concen: 108.542 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

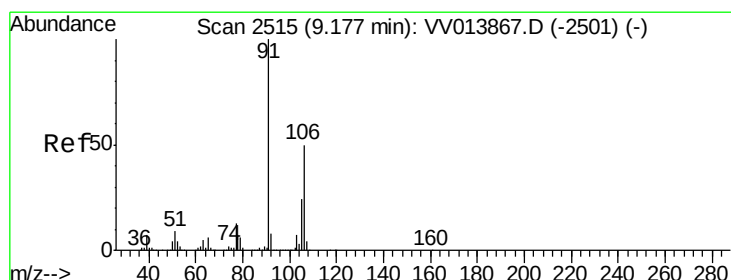
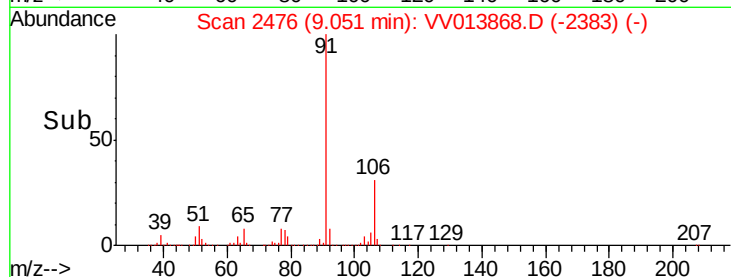
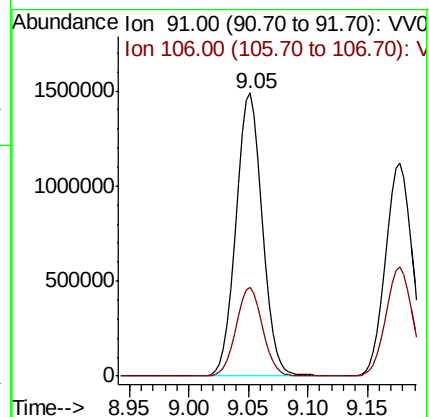
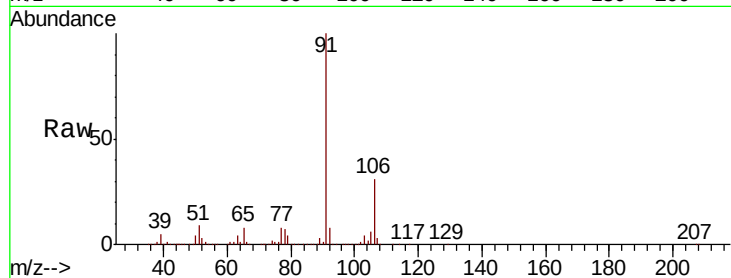
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2289734

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 111.288 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013868.D

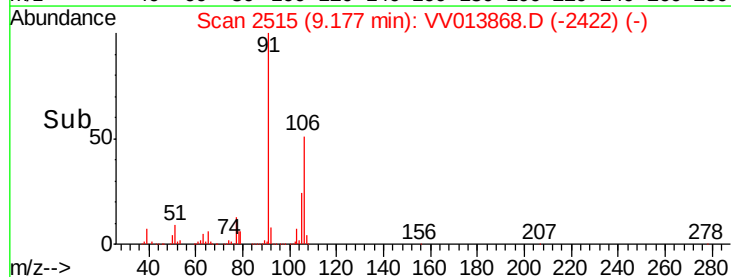
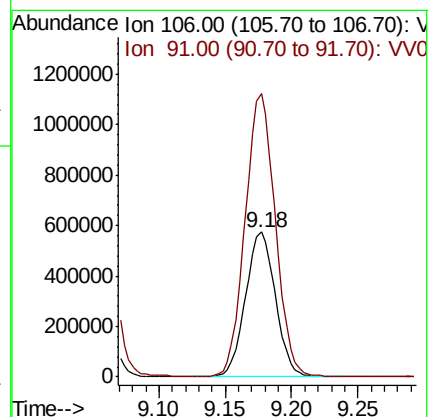
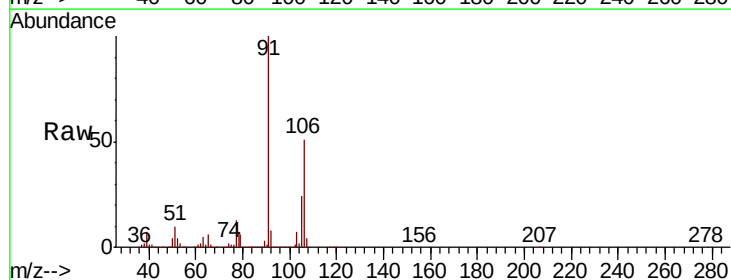
Acq: 02 Dec 2019 13:00

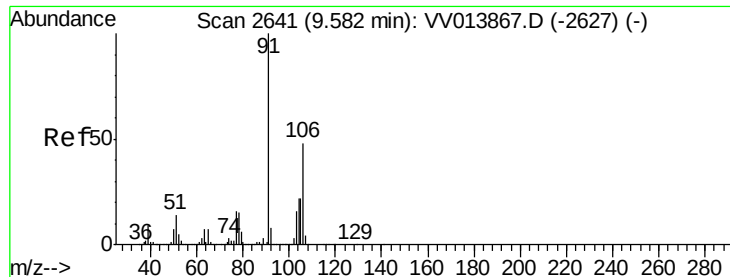
Tgt Ion: 106 Resp: 896363

Ion Ratio Lower Upper

106 100

91 195.6 139.4 259.0





#54

o-xylene

Concen: 110.750 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

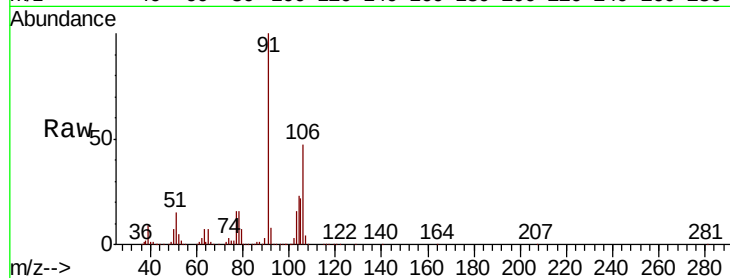
ClientSampleId :

Tot Ion:106 Resp: 866333

Ion Ratio Lower Upper

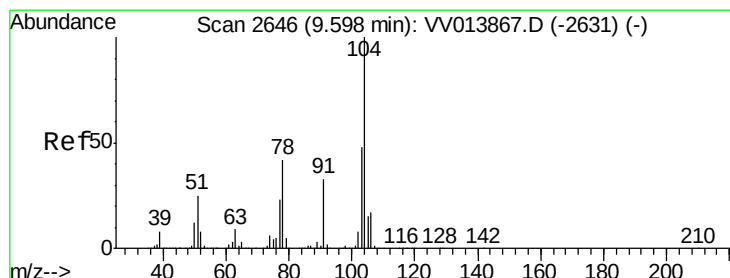
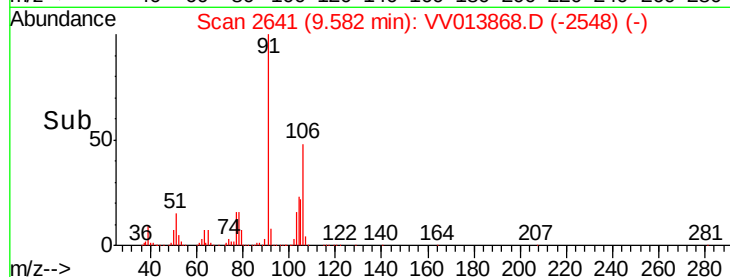
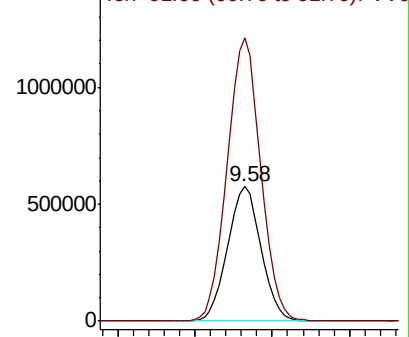
106 100

91 210.6 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 112.026 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013868.D

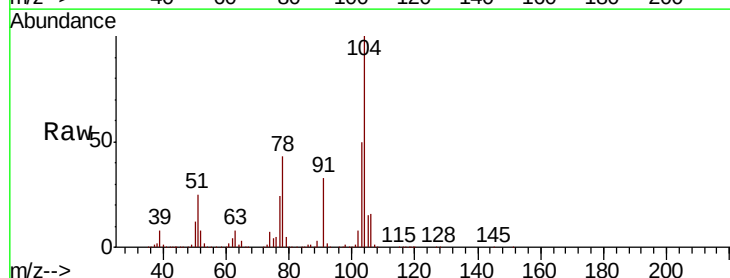
Acq: 02 Dec 2019 13:00

Tgt Ion:104 Resp: 1522190

Ion Ratio Lower Upper

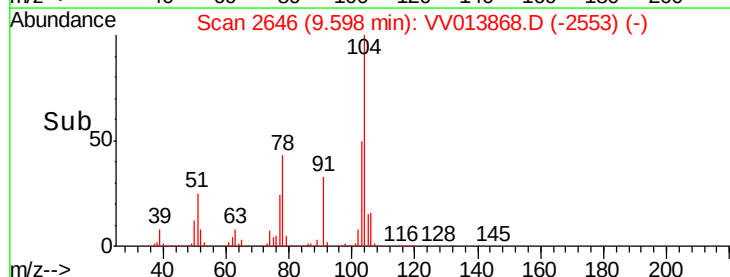
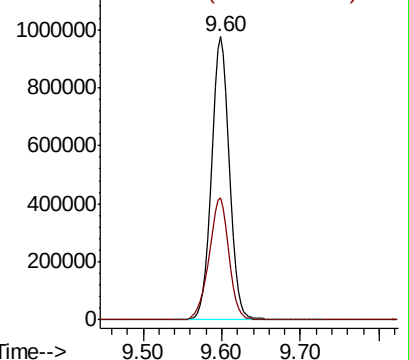
104 100

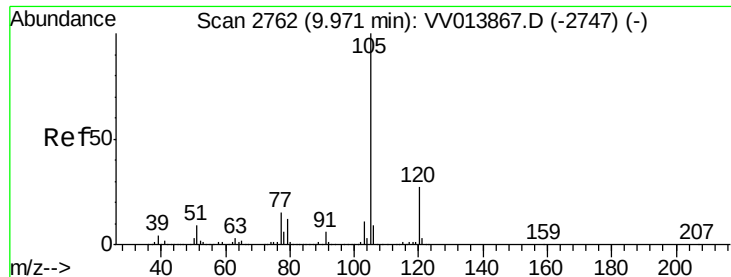
78 43.0 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

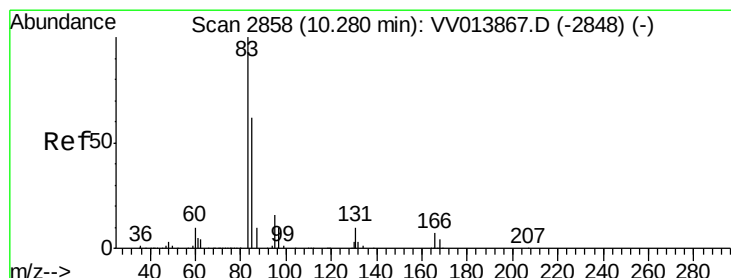
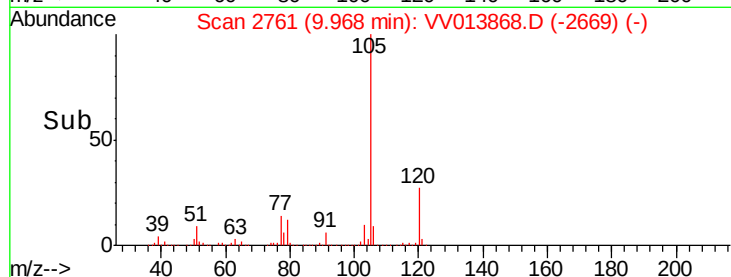
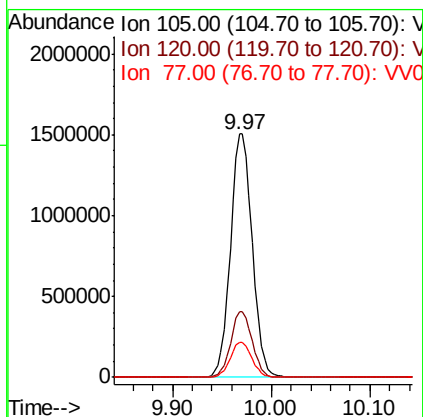
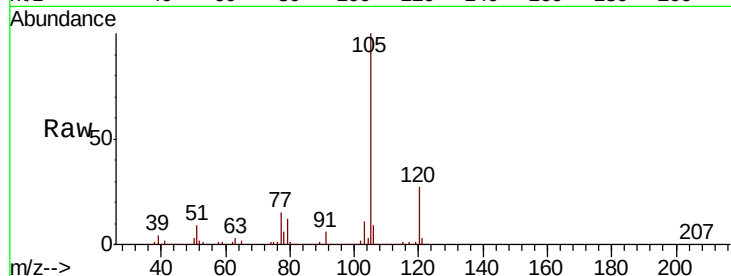




#56
Isopropylbenzene
Concen: 111.294 ug/L
RT: 9.97 min Scan# 2761
Delta R.T. -0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

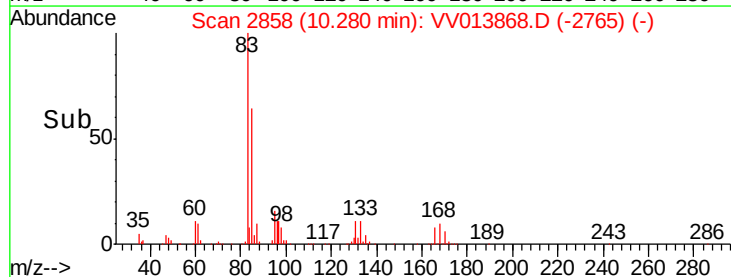
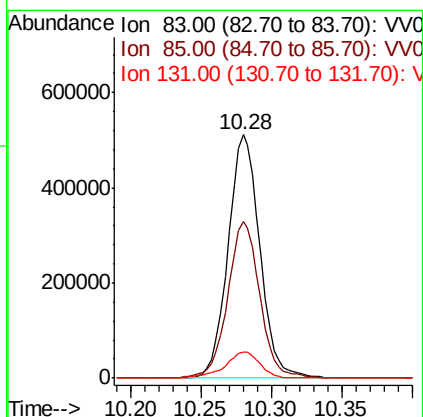
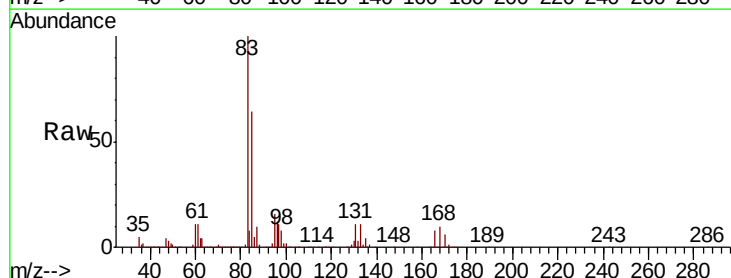
Instrument :
MSVOA_V
ClientSampleId :

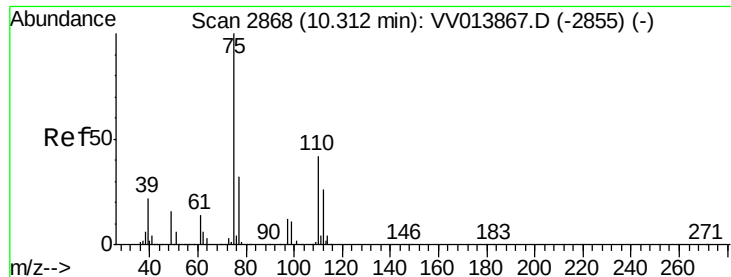
Tot Ion:105 Resp: 2321058
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 14.5 12.0 18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 114.134 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013868.D
Acq: 02 Dec 2019 13:00

Tgt Ion: 83 Resp: 805879
Ion Ratio Lower Upper
83 100
85 64.3 44.1 81.9
131 10.7 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 110.600 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

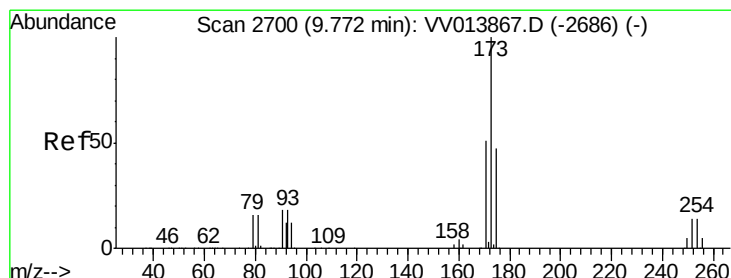
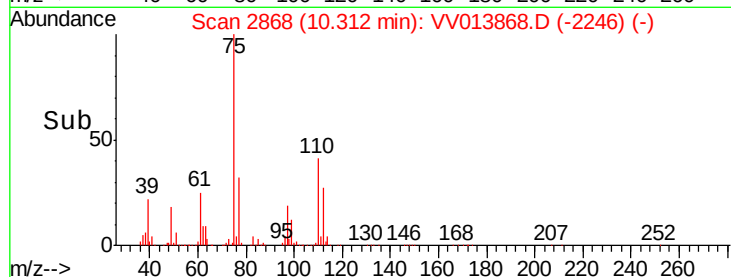
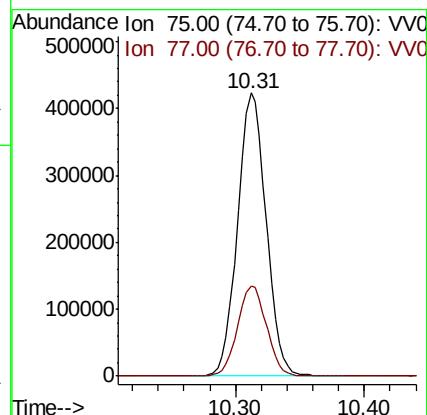
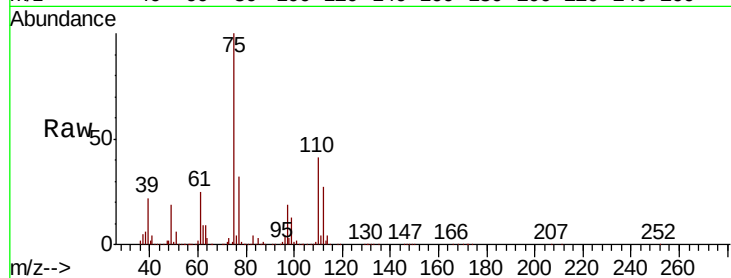
ClientSampleId :

Tot Ion: 75 Resp: 650843

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#61

Bromoform

Concen: 96.720 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

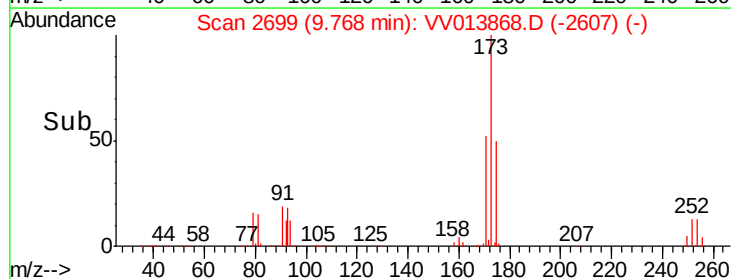
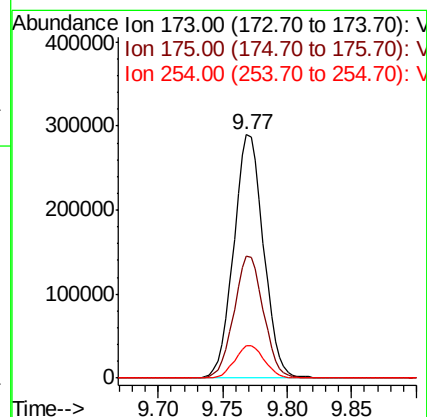
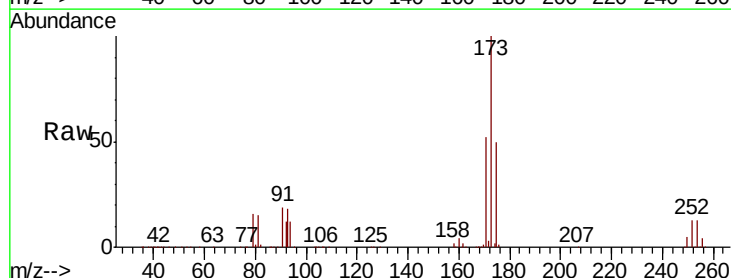
Tgt Ion: 173 Resp: 465418

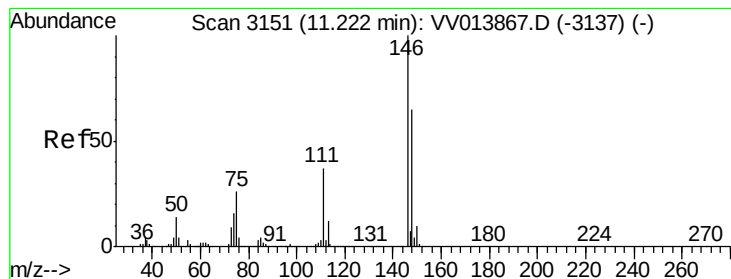
Ion Ratio Lower Upper

173 100

175 49.5 38.4 57.6

254 13.3 10.5 15.7





#62

1,3-Dichlorobenzene

Concen: 101.828 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

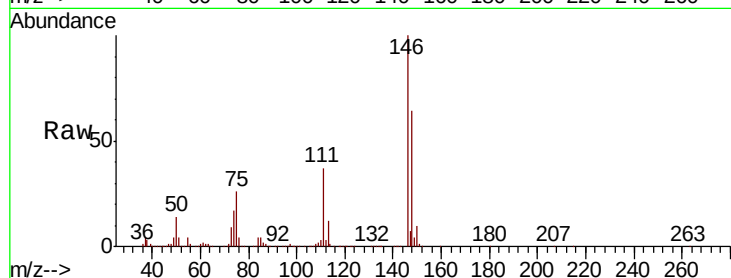
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 1277291

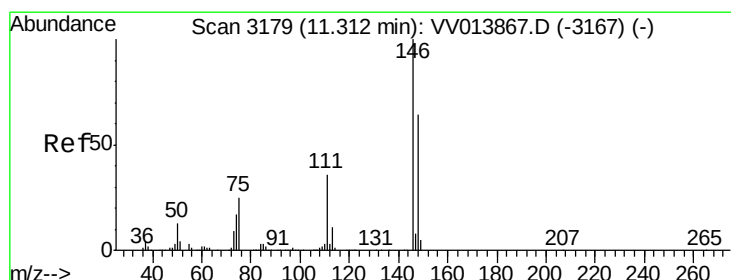
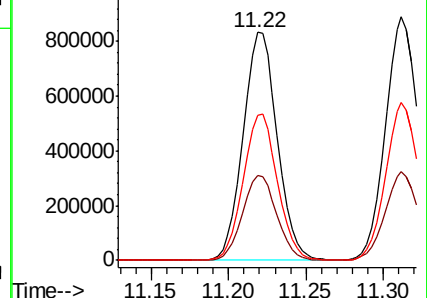
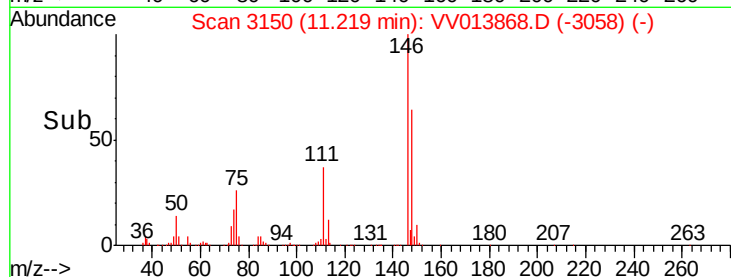
Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.8	48.0
148	63.9	45.2	84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 102.648 ug/L

RT: 11.31 min Scan# 3179

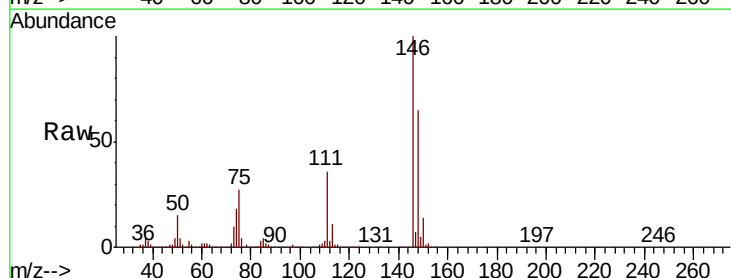
Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Tgt Ion:146 Resp: 1338464

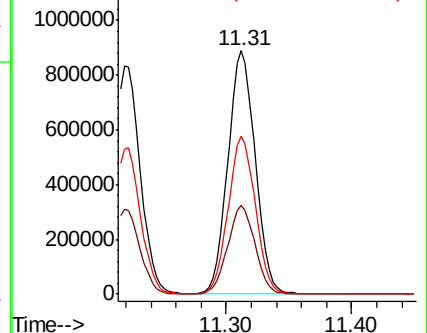
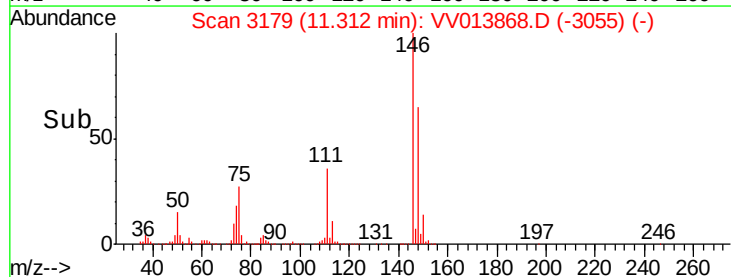
Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.4	47.2
148	64.7	44.9	83.5

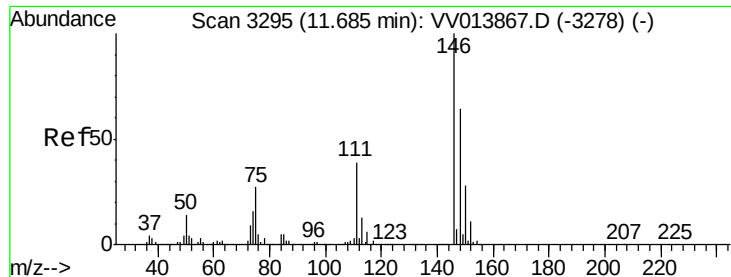


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

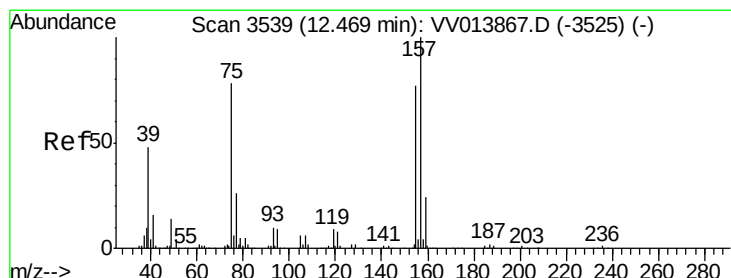
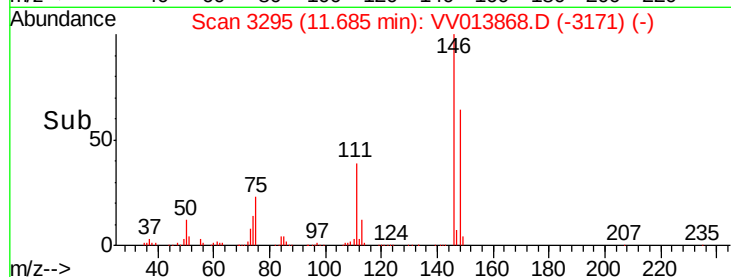
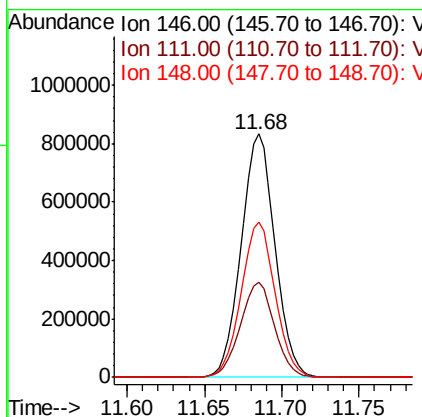
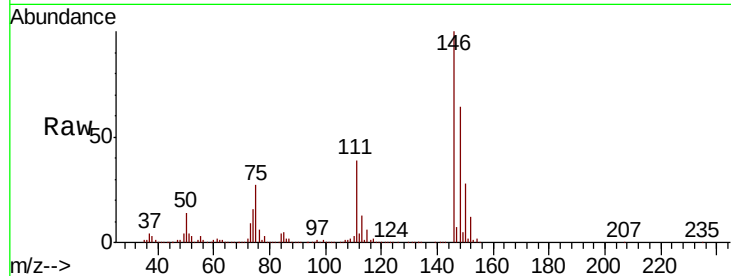




#65
 1,2-Dichlorobenzene
 Concen: 100.556 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

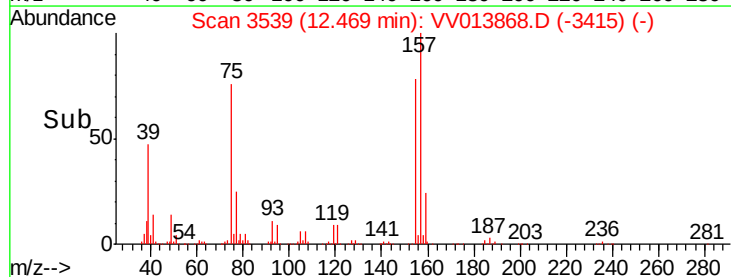
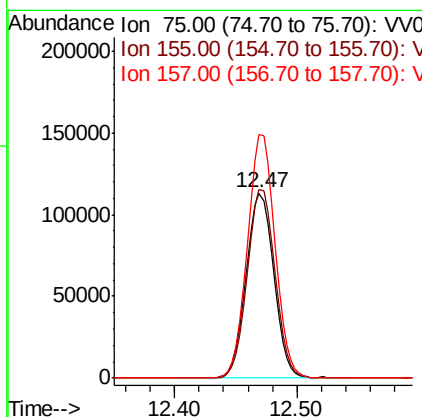
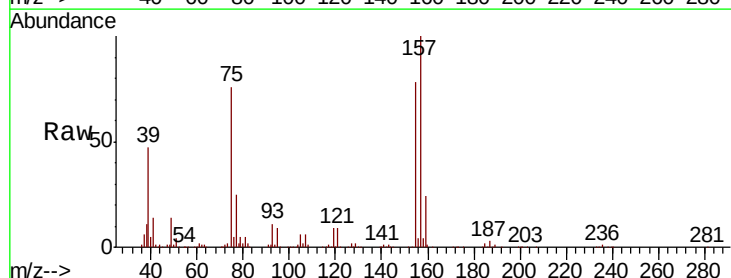
Instrument :
 MSVOA_V
 ClientSampled :

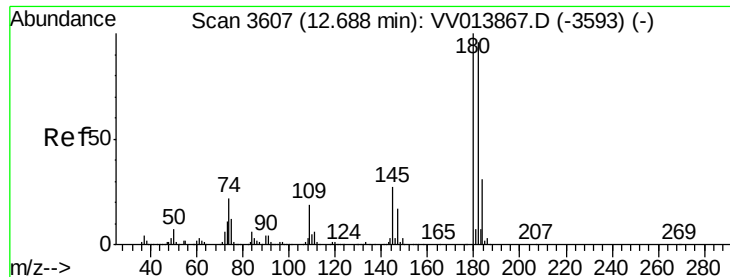
Tot Ion:146 Resp: 1263390
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.4 47.0
 148 63.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.611 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013868.D
 Acq: 02 Dec 2019 13:00

Tgt Ion: 75 Resp: 176733
 Ion Ratio Lower Upper
 75 100
 155 102.3 78.6 117.8
 157 131.8 102.6 153.8





#67

1,3,5-Trichlorobenzene

Concen: 106.425 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 1047338

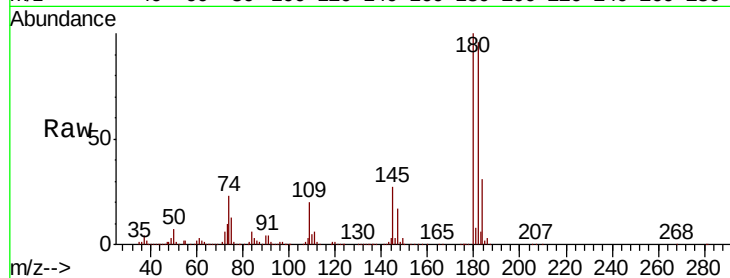
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

184 31.1 24.2 36.4

145 26.8 21.1 31.7

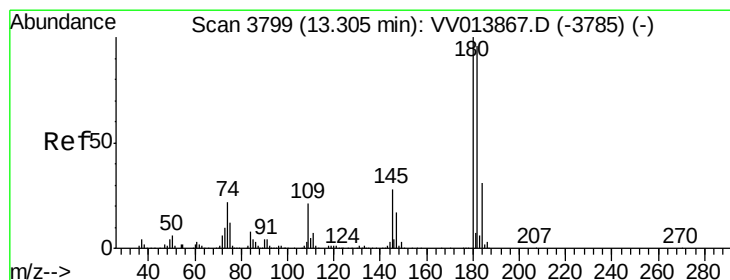
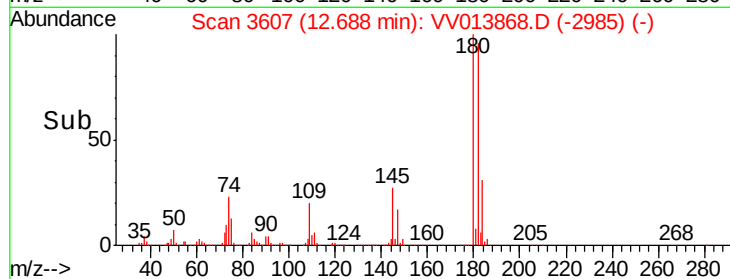
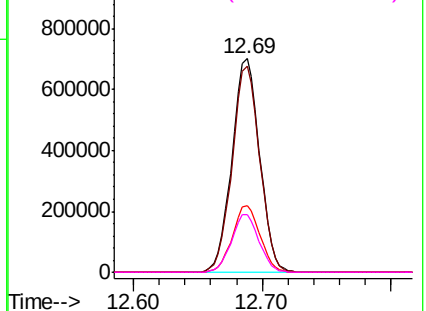


Abundance Ion 180.00 (179.70 to 180.70): V

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: 112.797 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

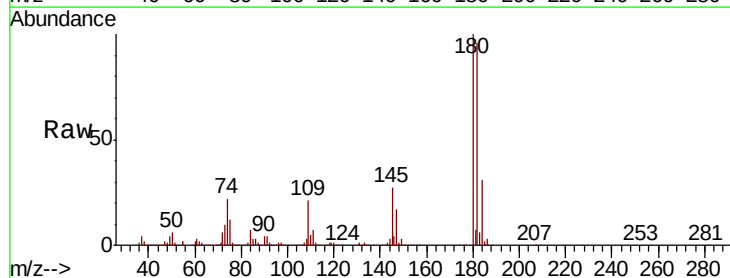
Tgt Ion:180 Resp: 977032

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

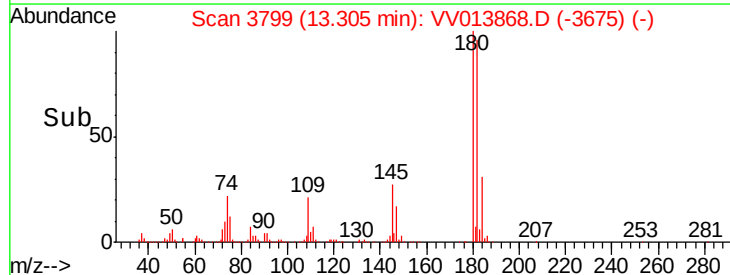
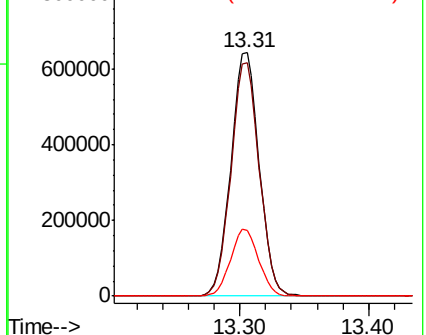
145 27.2 21.9 32.9

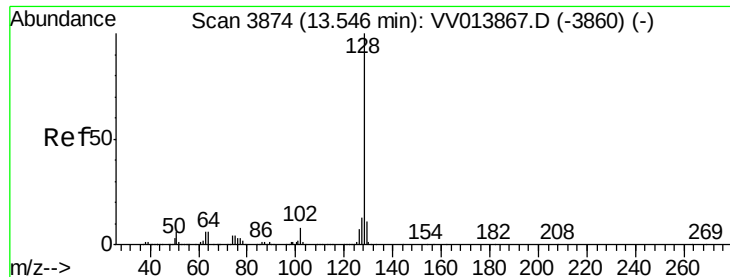


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 111.518 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

Instrument :

MSVOA_V

ClientSampleId :

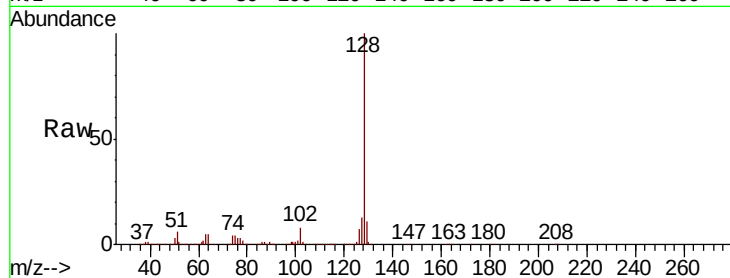
Tot Ion:128 Resp: 2580649

Ion Ratio Lower Upper

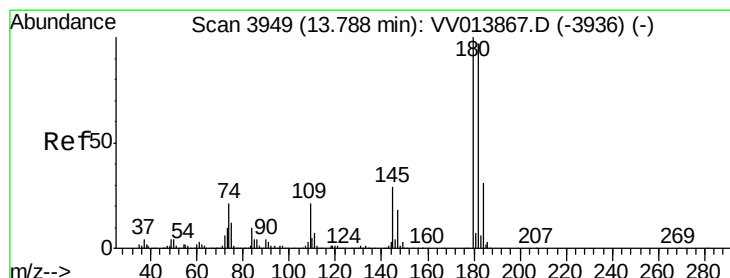
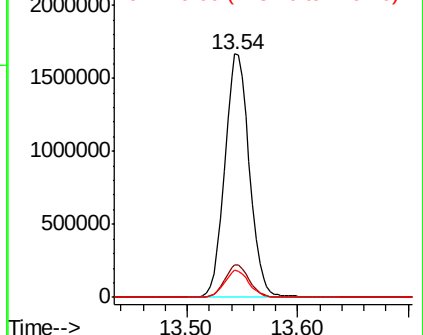
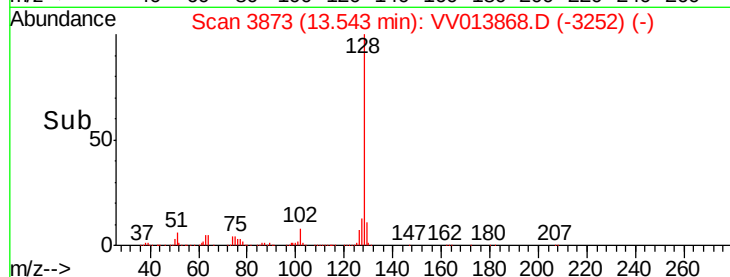
128 100

127 13.3 10.5 15.7

129 11.0 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: 105.603 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013868.D

Acq: 02 Dec 2019 13:00

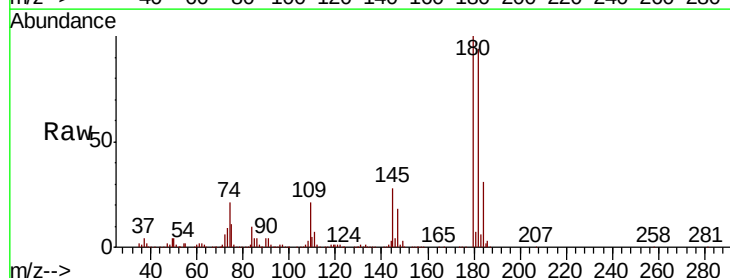
Tgt Ion:180 Resp: 976240

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.4

145 28.4 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

