

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013869.D
 Acq On : 02 Dec 2019 13:24
 Operator : SY/MD
 Sample : VSTD20062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 01:27:48 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	739527	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	690571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	401149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	840224	195.96	ug/L	0.00
7) Chloroethane-d5	1.57	69	810200	218.08	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.13	63	1794455	227.42	ug/L	0.00
21) 2-Butanone-d5	3.92	46	1346372	427.23	ug/L	0.00
24) Chloroform-d	4.40	84	1792701	193.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	1094010	181.35	ug/L	0.00
32) Benzene-d6	5.09	84	3559258	194.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1098463	187.93	ug/L	0.00
41) Toluene-d8	7.35	98	3336065	198.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	557989	205.96	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	973528	459.98	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	1505331	198.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1530340	192.81	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1205702	196.586	ug/L	99
3) Chloromethane	1.25	50	1094921	190.112	ug/L	99
5) Vinyl chloride	1.32	62	1213965	220.425	ug/L	97
6) Bromomethane	1.51	94	676920	242.824	ug/L	100
8) Chloroethane	1.59	64	757914	234.461	ug/L	99
9) Trichlorofluoromethane	1.76	101	1755437	230.255	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1016796	235.707	ug/L	99
12) 1,1-Dichloroethene	2.14	96	975465	237.389	ug/L	96
13) Acetone	2.18	43	1507392	476.513	ug/L	97
14) Carbon disulfide	2.31	76	2600286	192.741	ug/L	99
15) Methyl Acetate	2.45	43	1046794	197.093	ug/L	100
16) Methylene chloride	2.53	84	1022087	194.836	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	983731	202.953	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	3050384	207.809	ug/L	100
19) 1,1-Dichloroethane	3.22	63	1763493	194.006	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	1112210	209.725	ug/L	99
22) 2-Butanone	4.00	43	1733529	444.824	ug/L	98
23) Bromochloromethane	4.29	128	591347	210.521	ug/L	98
25) Chloroform	4.42	83	1804552	190.996	ug/L	99
27) 1,2-Dichloroethane	5.17	62	1386752	194.036	ug/L	99
29) Cyclohexane	4.72	56	1662445	211.519	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	1590064	205.523	ug/L	100
31) Carbon tetrachloride	4.87	117	1463942	212.034	ug/L	99
33) Benzene	5.14	78	3980548	203.536	ug/L	100
34) Trichloroethene	5.95	95	1032136	197.201	ug/L	98
35) Methylcyclohexane	6.17	83	1712152	214.011	ug/L	99
37) 1,2-Dichloropropane	6.22	63	969490	190.710	ug/L	99
38) Bromodichloromethane	6.55	83	1364349	202.186	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	1666788	214.180	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	2692019	416.325	ug/L	98

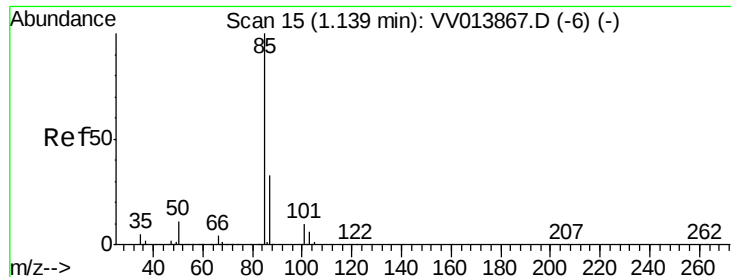
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	4251125	209.280	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	1484008	219.818	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	970723	201.645	ug/L	99
46) Tetrachloroethene	8.02	164	977011	216.666	ug/L	95
48) 2-Hexanone	8.18	43	2208318	435.147	ug/L	98
49) Dibromochloromethane	8.29	129	1198248	214.779	ug/L	99
50) 1,2-Dibromoethane	8.39	107	1059259	207.907	ug/L	99
51) Chlorobenzene	8.92	112	2843372	208.656	ug/L	99
52) Ethylbenzene	9.05	91	4756356	215.140	ug/L	98
53) m,p-Xylene	9.18	106	1887585	223.617	ug/L	99
54) o-xylene	9.58	106	1819847	221.987	ug/L	98
55) Styrene	9.60	104	3176983	223.100	ug/L	98
56) Isopropylbenzene	9.97	105	4817246	220.404	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1525175	206.110	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	1239200	200.934	ug/L	100
61) Bromoform	9.77	173	1018859	218.485	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	2497141	205.427	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	2518675	199.320	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	2456374	201.743	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	360070	213.621	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	2089342	219.081	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1967945	234.444	ug/L	99
69) Naphthalene	13.55	128	5309664	236.765	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	1948116	217.456	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 196.586 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

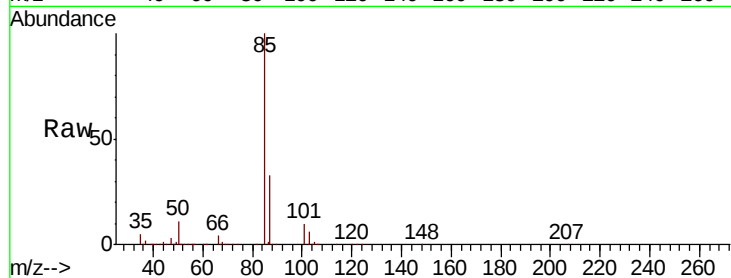
ClientSampleId :

Tot Ion: 85 Resp: 1205702

Ion Ratio Lower Upper

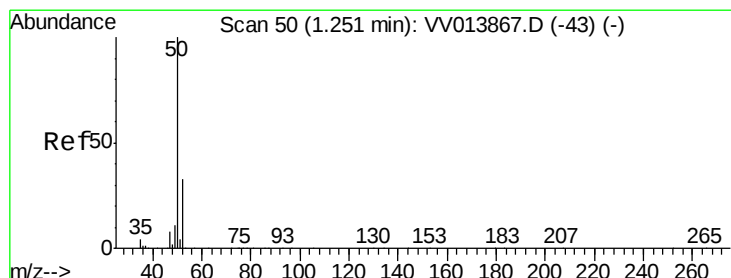
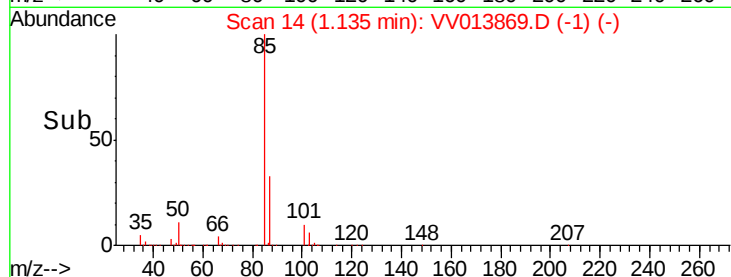
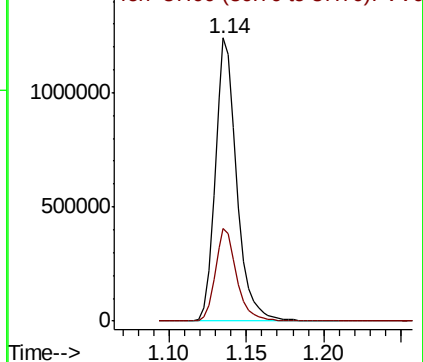
85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 190.112 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013869.D

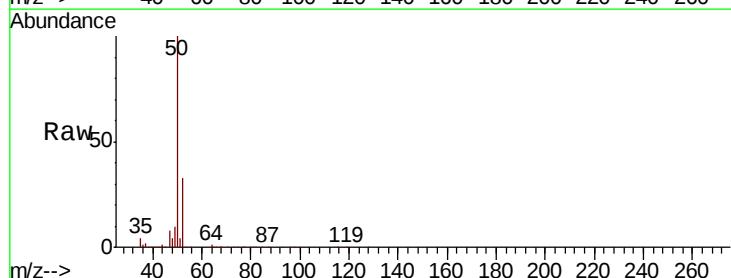
Acq: 02 Dec 2019 13:24

Tgt Ion: 50 Resp: 1094921

Ion Ratio Lower Upper

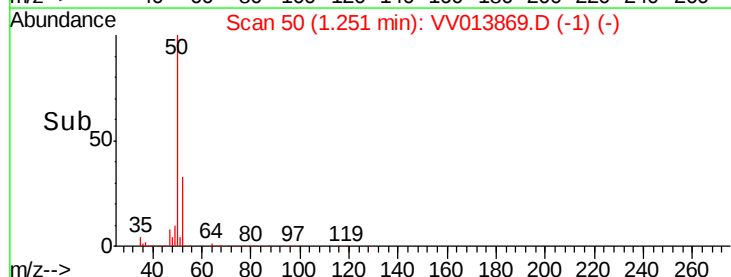
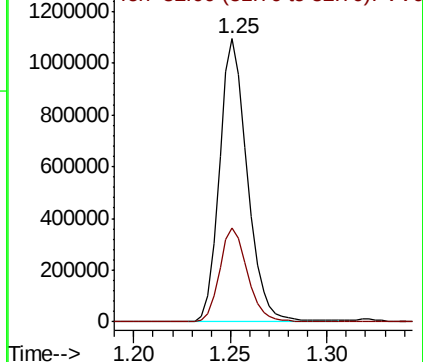
50 100

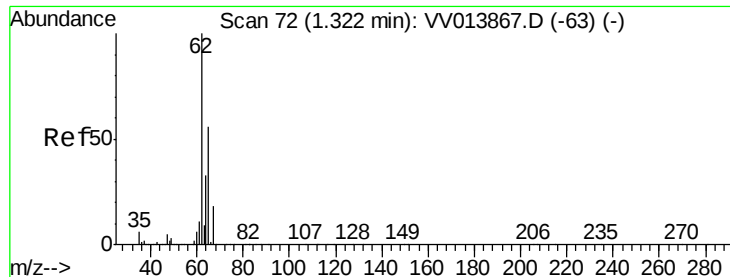
52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 220.425 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

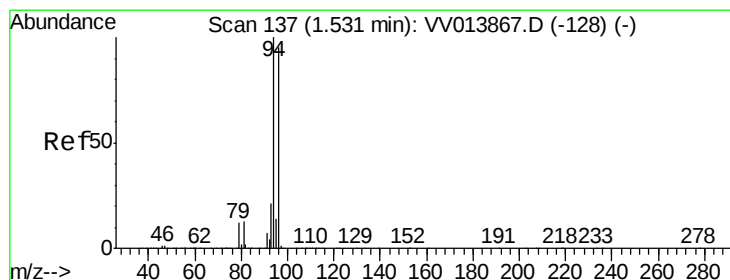
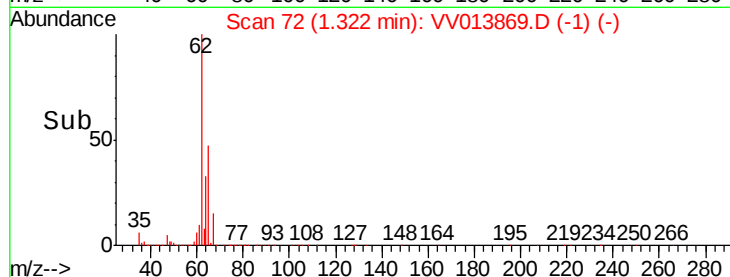
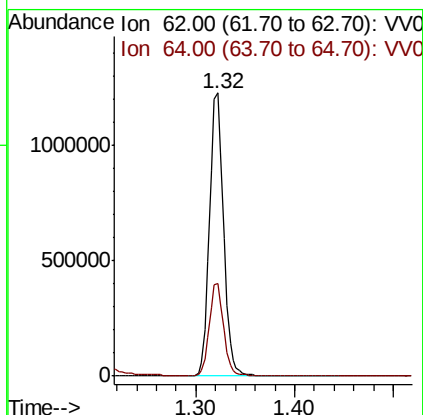
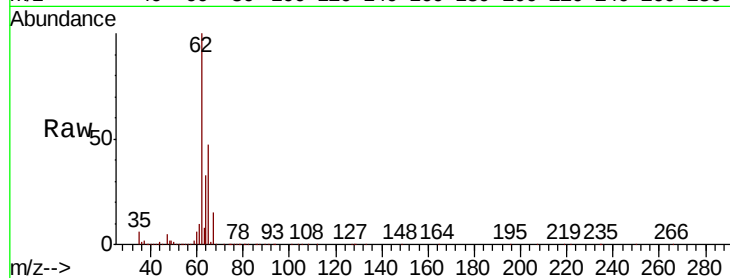
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1213965

Ion	Ratio	Lower	Upper
62	100		
64	32.6	24.1	44.8

62 100

64 32.6 24.1 44.8



#6

Bromomethane

Concen: 242.824 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV013869.D

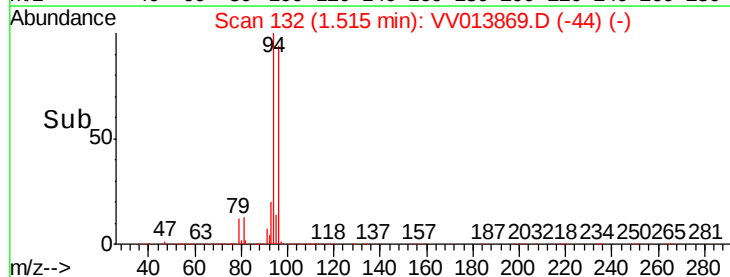
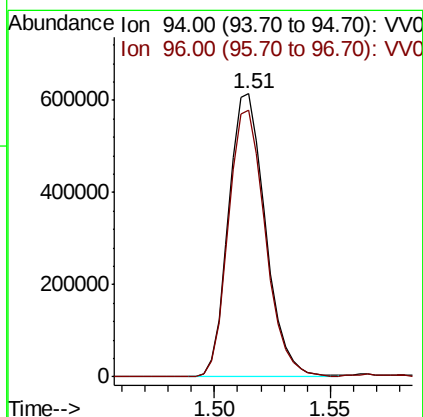
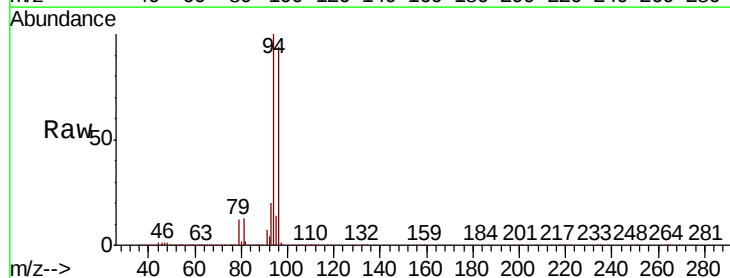
Acq: 02 Dec 2019 13:24

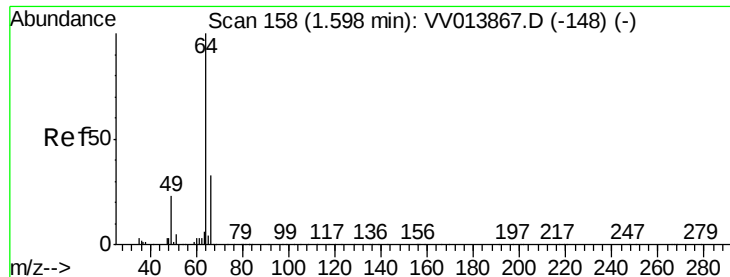
Tgt Ion: 94 Resp: 676920

Ion	Ratio	Lower	Upper
94	100		
96	94.3	66.2	123.0

94 100

96 94.3 66.2 123.0





#8

Chloroethane

Concen: 234.461 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

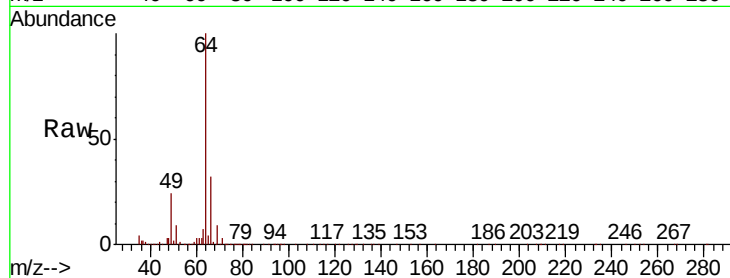
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 757914

Ion Ratio Lower Upper

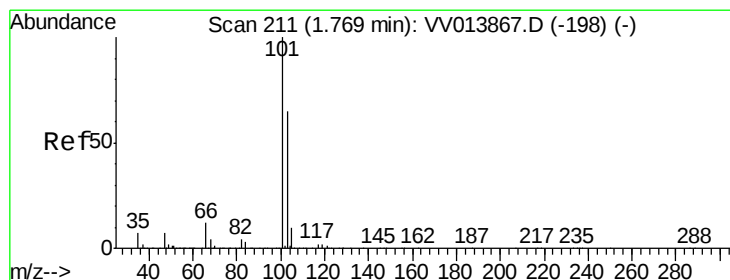
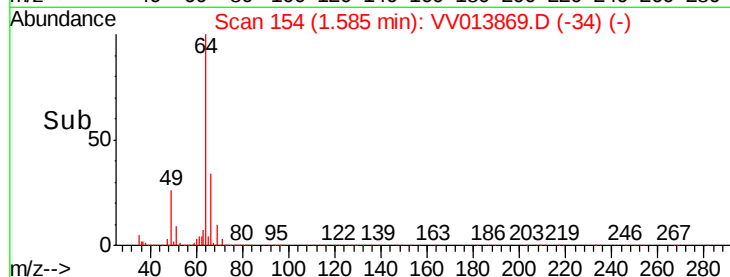
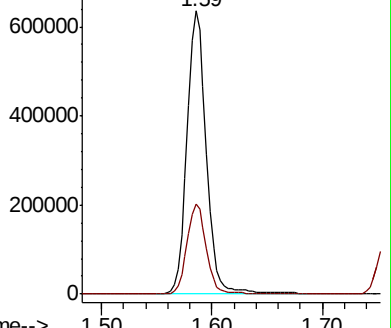
64 100

66 31.8 22.7 42.1



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

Ion 66.00 (65.70 to 66.70): VV013869.D (-34) (-)



#9

Trichlorofluoromethane

Concen: 230.255 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013869.D

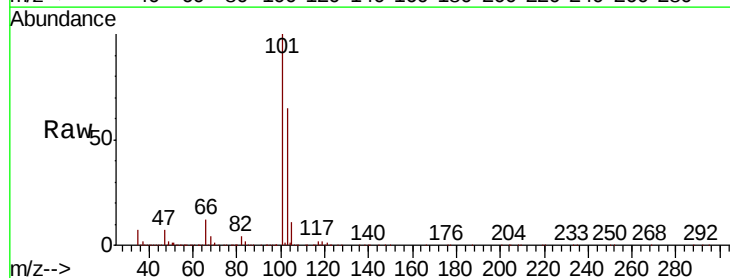
Acq: 02 Dec 2019 13:24

Tgt Ion: 101 Resp: 1755437

Ion Ratio Lower Upper

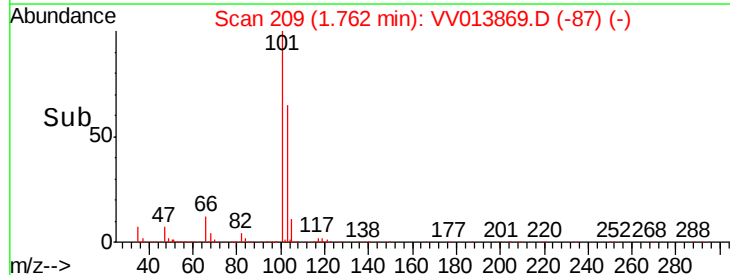
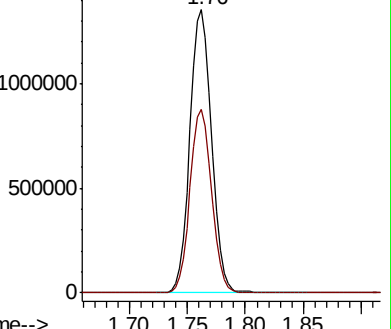
101 100

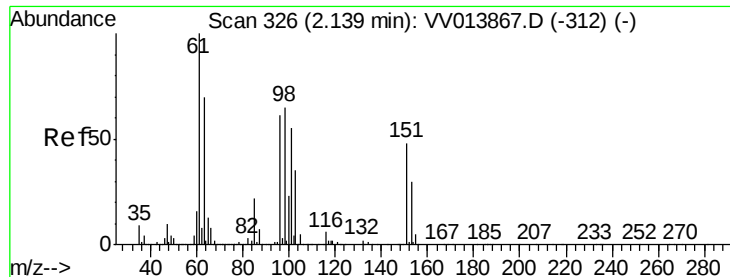
103 64.8 51.9 77.9



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

Ion 103.00 (102.70 to 103.70): VV013869.D (-87) (-)





#10

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

Concen: 235.707 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

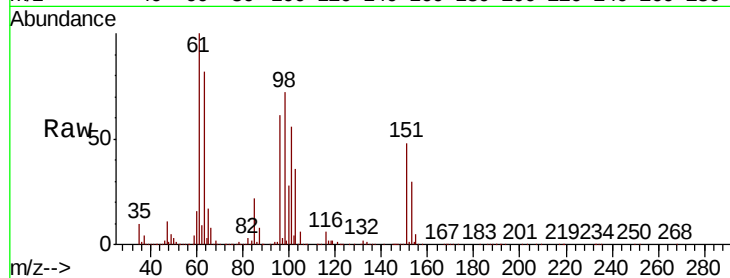
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 1016796

Ion	Ratio	Lower	Upper
101	100		
85	40.4	32.5	48.7
151	86.3	69.8	104.6

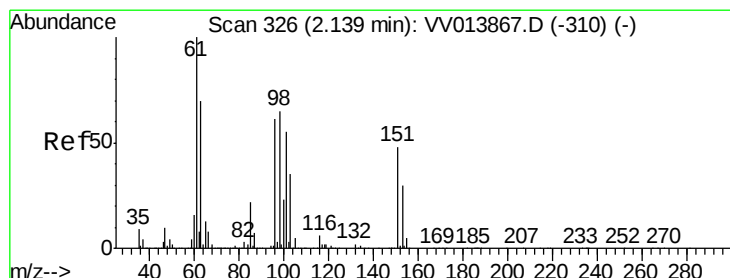
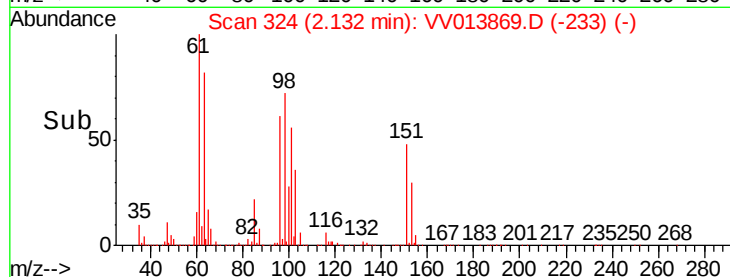
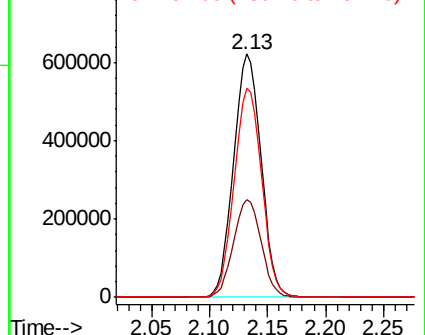


Abundance

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: 237.389 ug/L

RT: 2.14 min Scan# 325

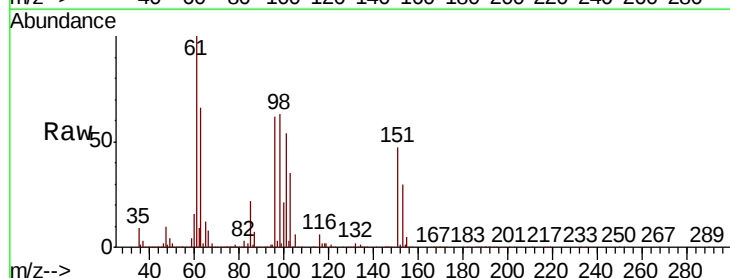
Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Tgt Ion: 96 Resp: 975465

Ion	Ratio	Lower	Upper
96	100		
61	160.7	114.0	211.8
63	105.8	80.3	149.1

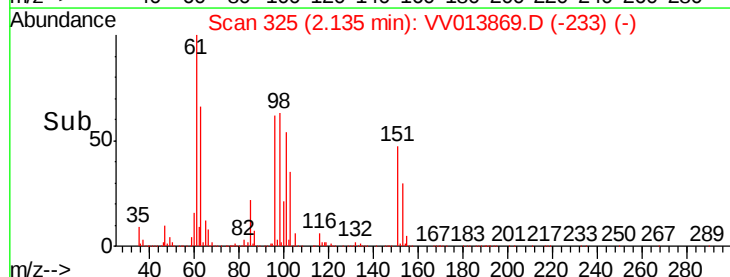
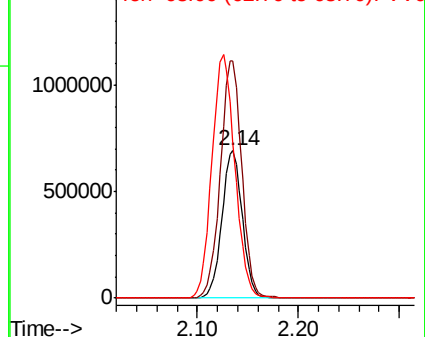


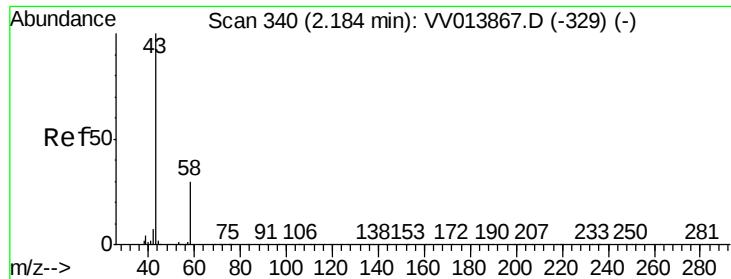
Abundance

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: 476.513 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

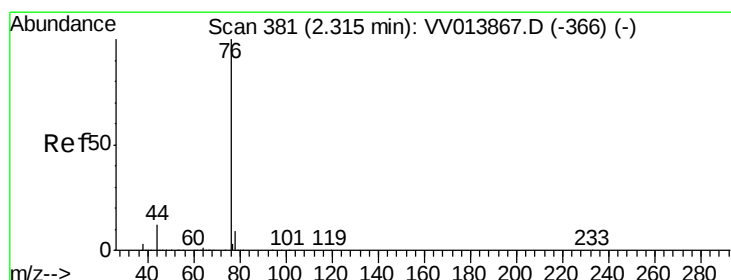
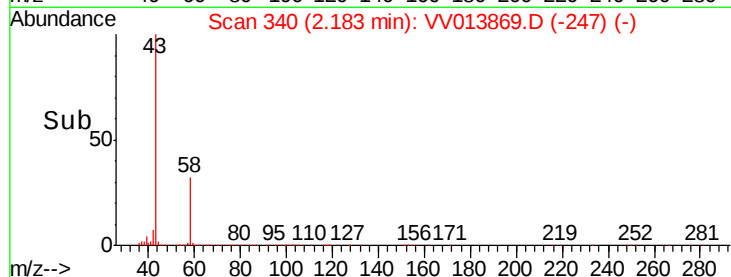
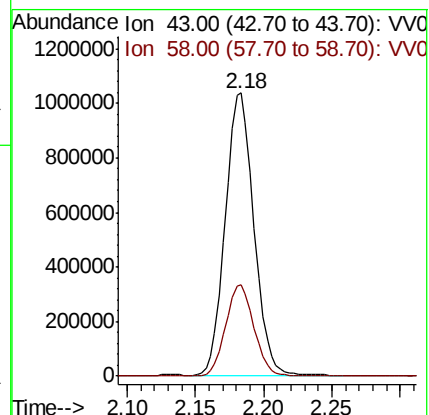
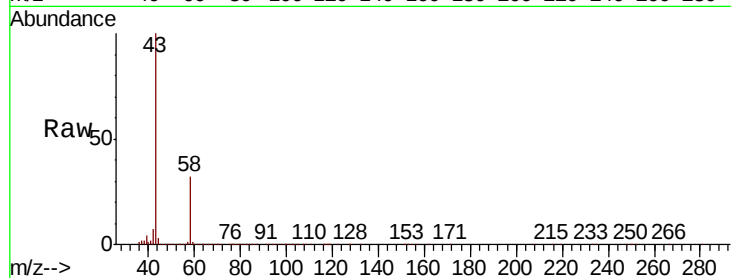
ClientSampled :

Tot Ion: 43 Resp: 1507392

Ion Ratio Lower Upper

43 100

58 31.8 0.0 60.8



#14

Carbon disulfide

Concen: 192.741 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013869.D

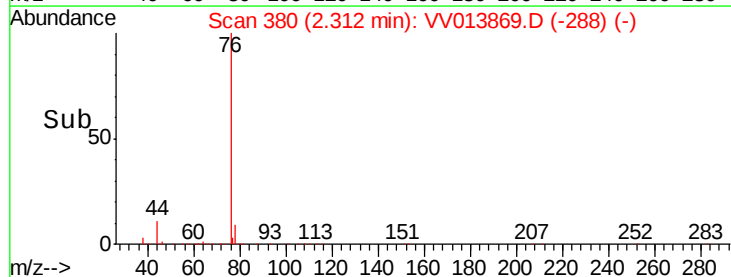
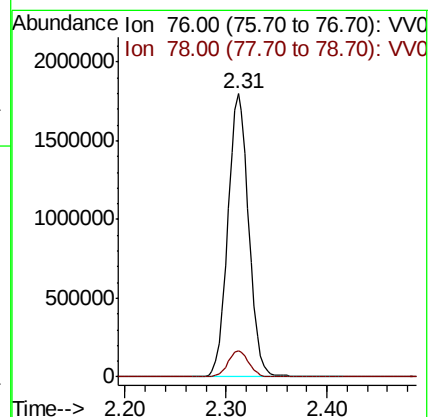
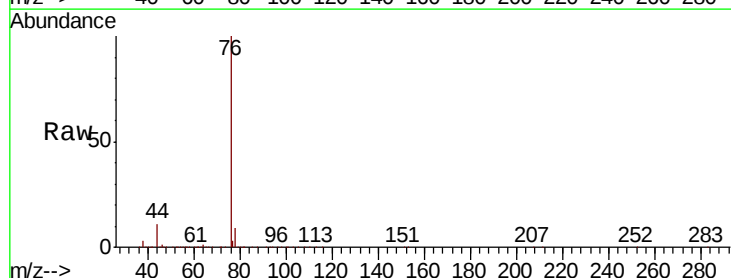
Acq: 02 Dec 2019 13:24

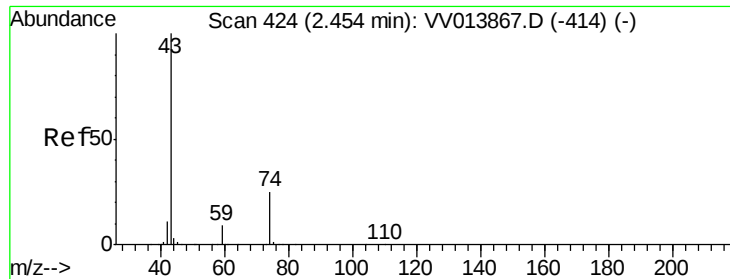
Tgt Ion: 76 Resp: 2600286

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

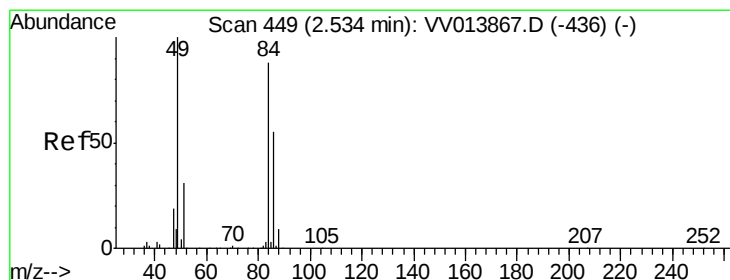
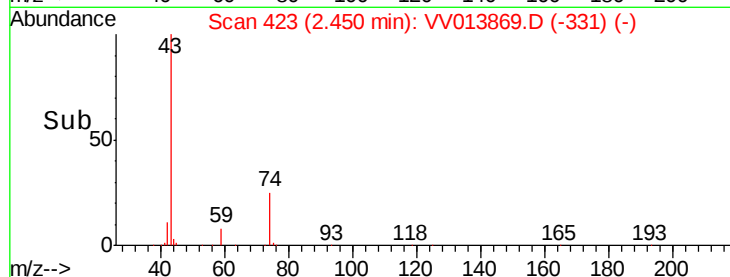
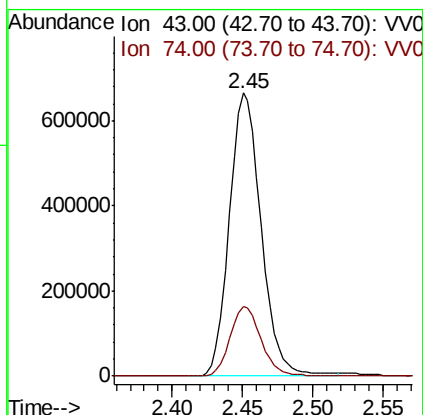
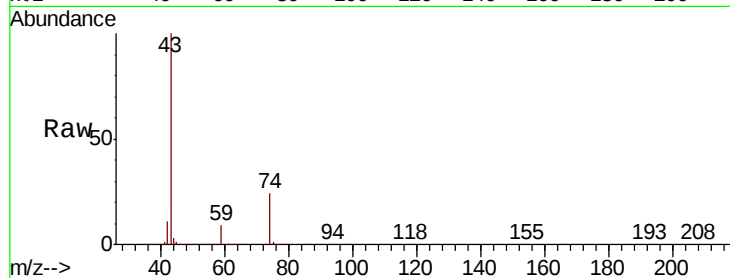




#15
Methyl Acetate
Concen: 197.093 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

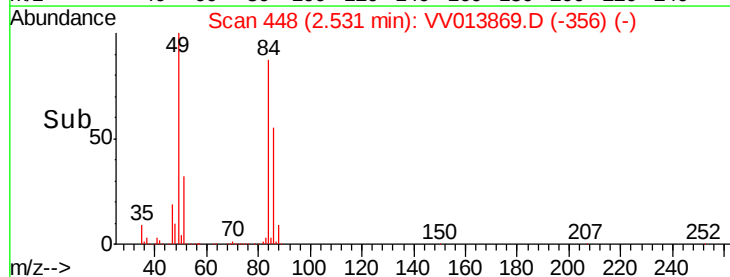
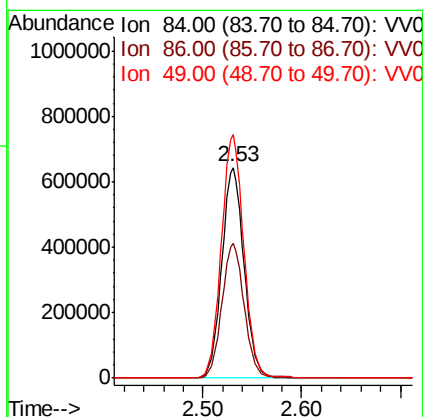
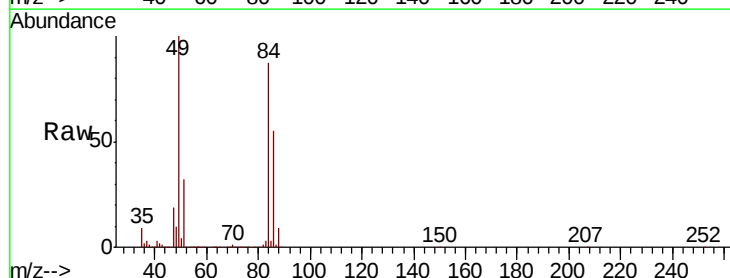
Instrument :
MSVOA_V
ClientSampleId :

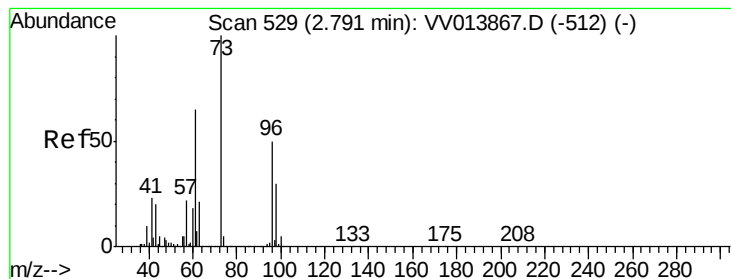
Tot Ion: 43 Resp: 1046794
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 194.836 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion: 84 Resp: 1022087
Ion Ratio Lower Upper
84 100
86 64.0 43.9 81.5
49 115.5 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 202.953 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

ClientSampleId :

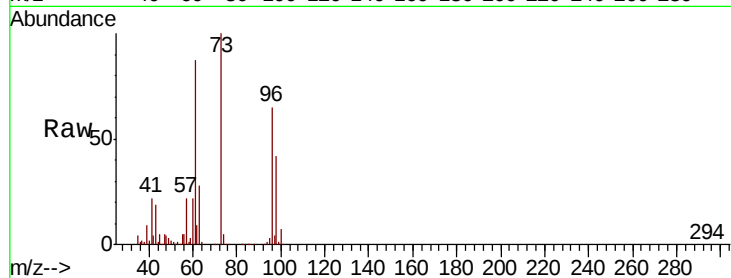
Tot Ion: 96 Resp: 983731

Ion Ratio Lower Upper

96 100

61 133.4 92.2 171.2

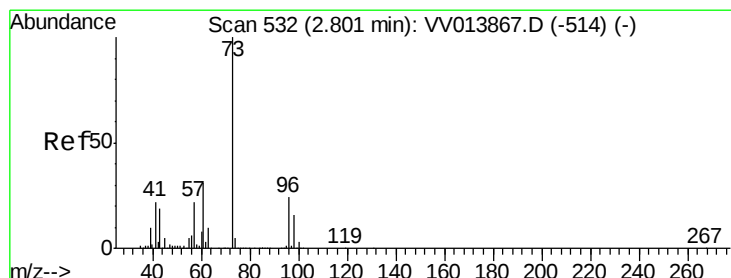
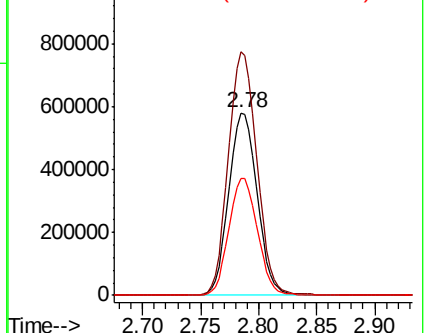
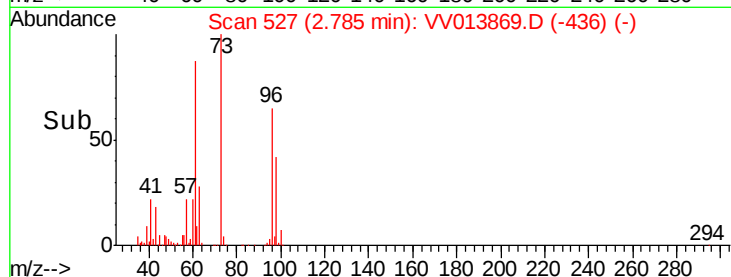
98 64.4 42.6 79.2



Abundance Ion 96.00 (95.70 to 96.70): VV013869.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV013869.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV013869.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 207.809 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

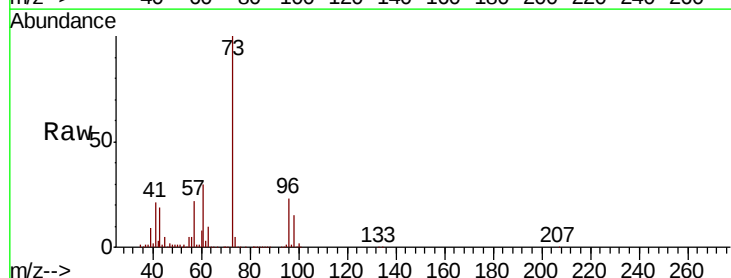
Tgt Ion: 73 Resp: 3050384

Ion Ratio Lower Upper

73 100

43 18.6 15.0 22.6

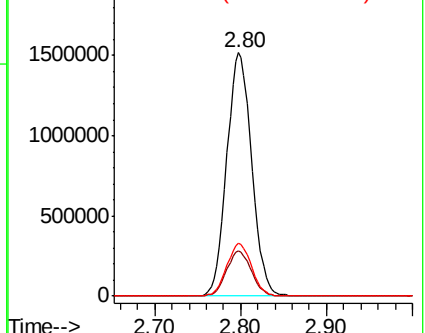
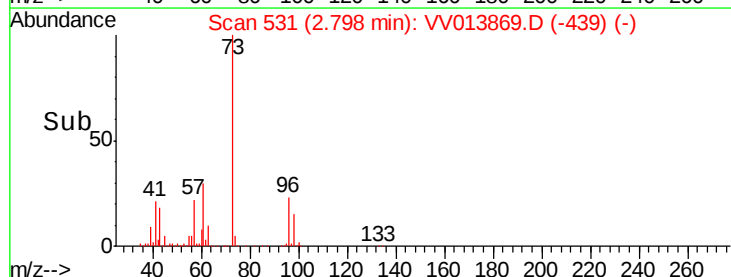
57 21.7 17.4 26.2

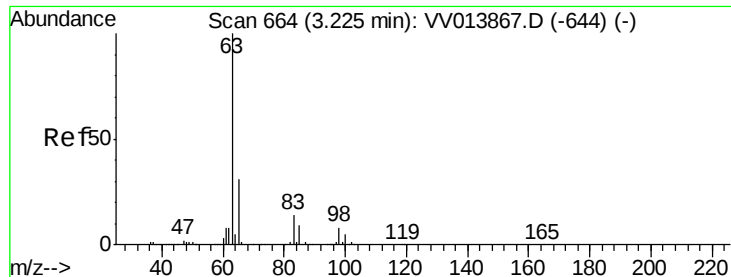


Abundance Ion 73.00 (72.70 to 73.70): VV013869.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV013869.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV013869.D (-439) (-)



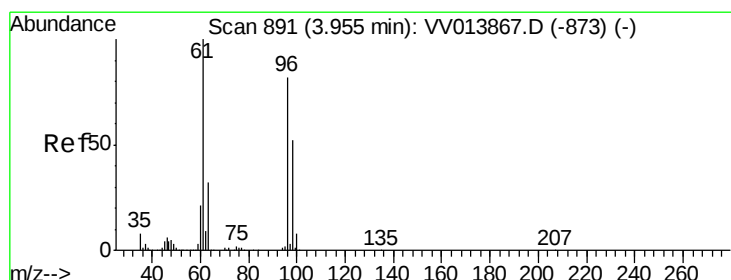
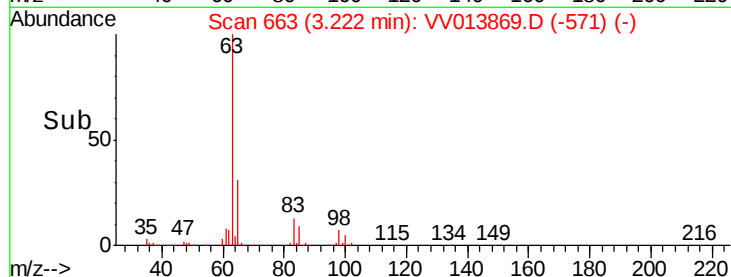
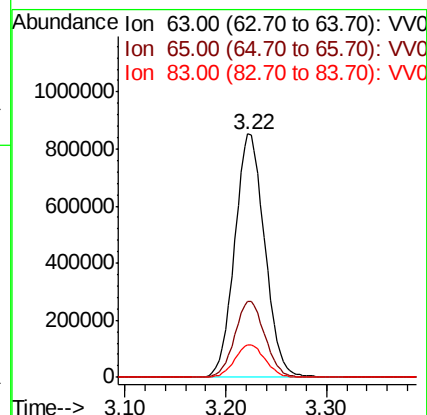
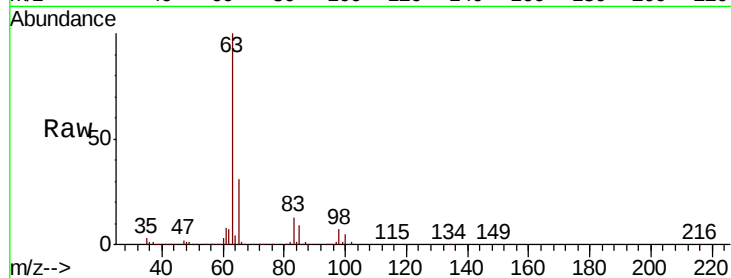


#19
 1,1-Dichloroethane
 Concen: 194.006 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 1763493

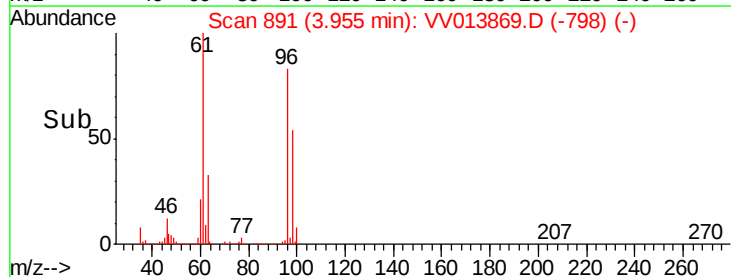
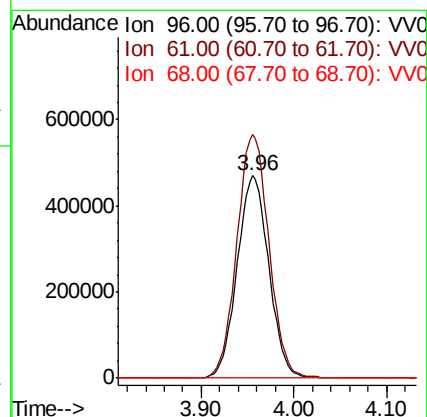
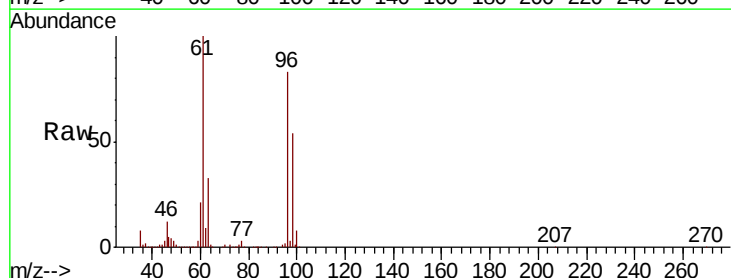
Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.5	39.9
83	13.5	9.7	18.1

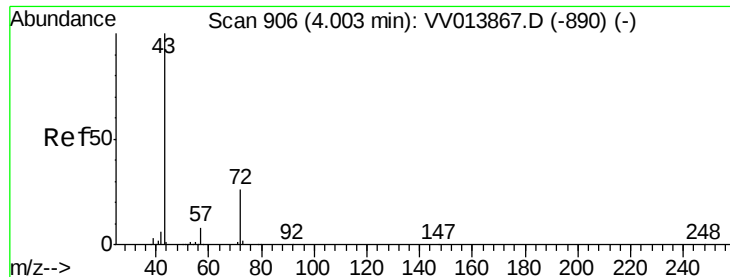


#20
 cis-1,2-Dichloroethene
 Concen: 209.725 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Tgt Ion: 96 Resp: 1112210

Ion	Ratio	Lower	Upper
96	100		
61	120.3	85.3	158.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 444.824 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

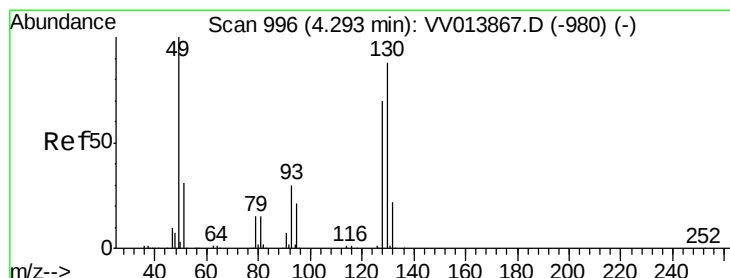
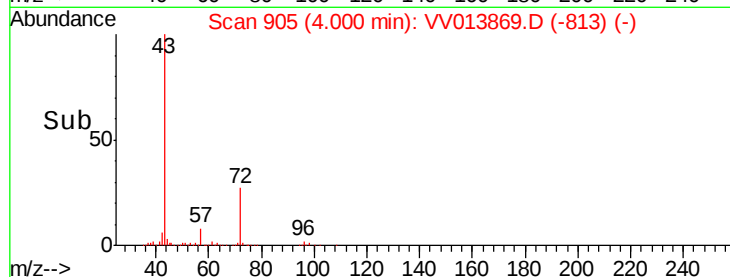
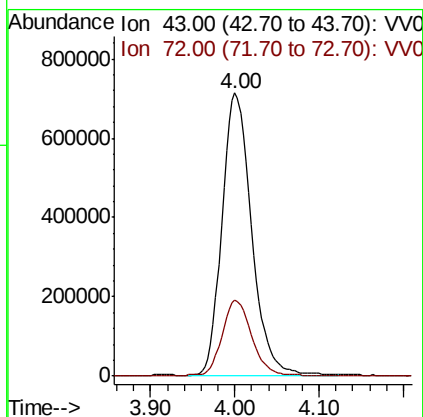
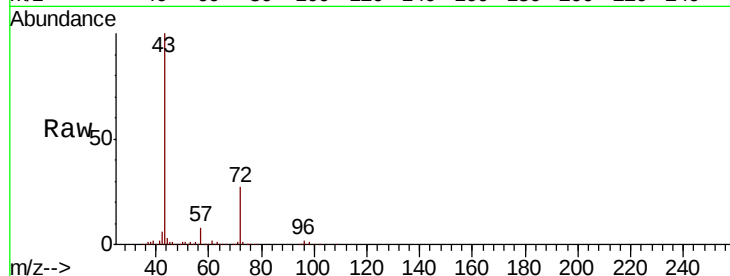
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1733529

Ion Ratio Lower Upper

43 100

72 27.3 14.1 42.2



#23

Bromochloromethane

Concen: 210.521 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Tgt Ion:128 Resp: 591347

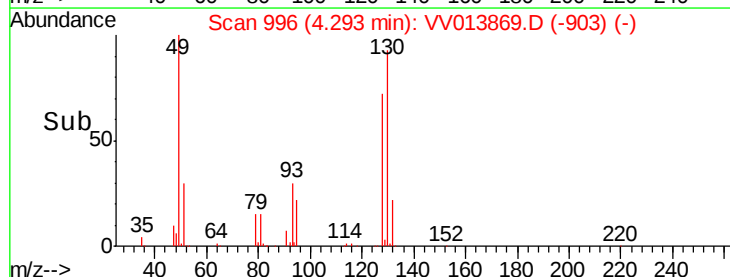
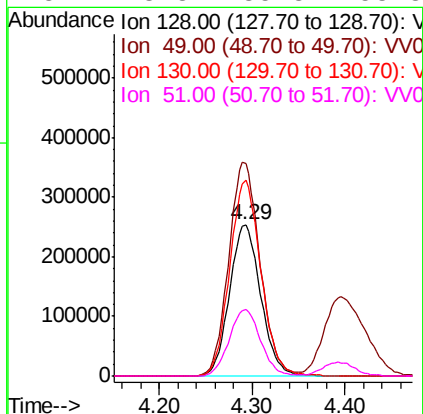
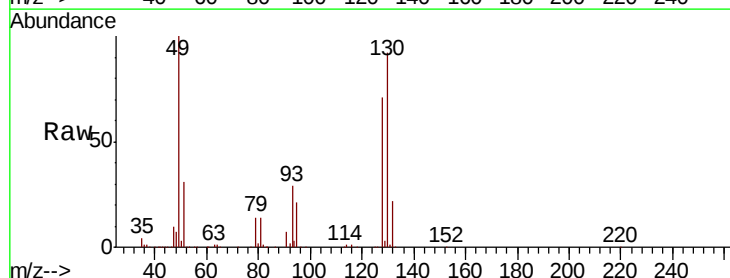
Ion Ratio Lower Upper

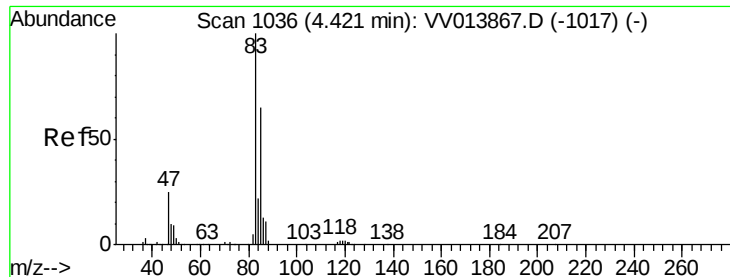
128 100

49 140.5 100.4 186.4

130 129.3 88.3 163.9

51 43.8 35.8 53.8





#25

Chloroform

Concen: 190.996 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

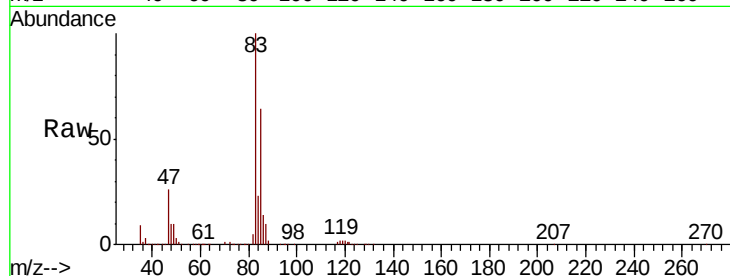
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 1804552

Ion Ratio Lower Upper

83 100

85 64.4 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013869.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV013869.D (-943) (-)

4.42

800000

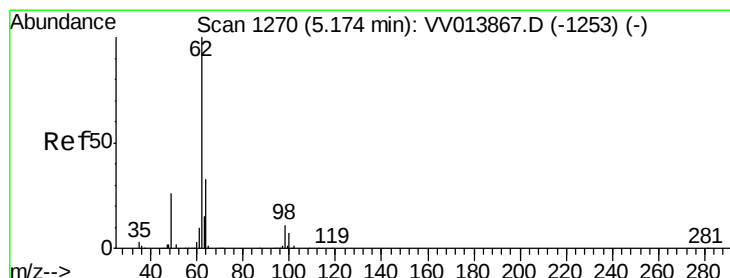
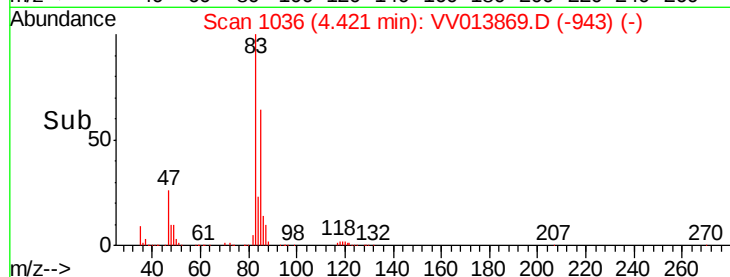
600000

400000

200000

0

Time-->



#27

1,2-Dichloroethane

Concen: 194.036 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013869.D

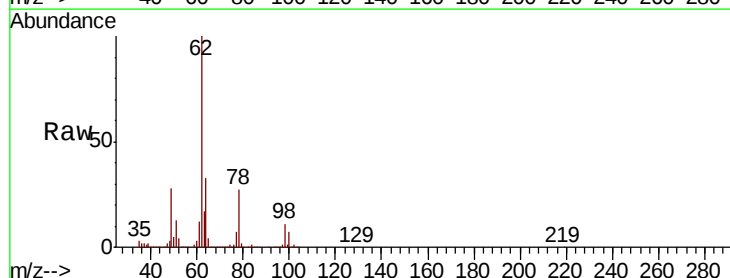
Acq: 02 Dec 2019 13:24

Tgt Ion: 62 Resp: 1386752

Ion Ratio Lower Upper

62 100

98 10.8 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013869.D (-1177) (-)

Ion 98.00 (97.70 to 98.70): VV013869.D (-1177) (-)

5.17

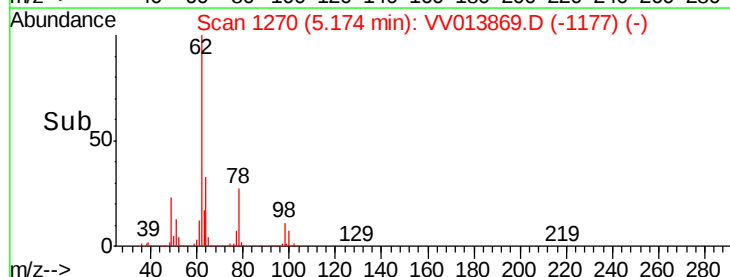
600000

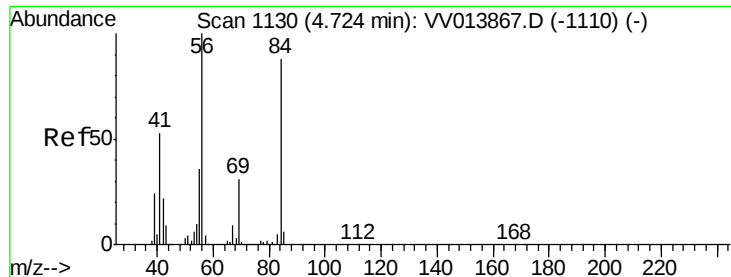
400000

200000

0

Time-->

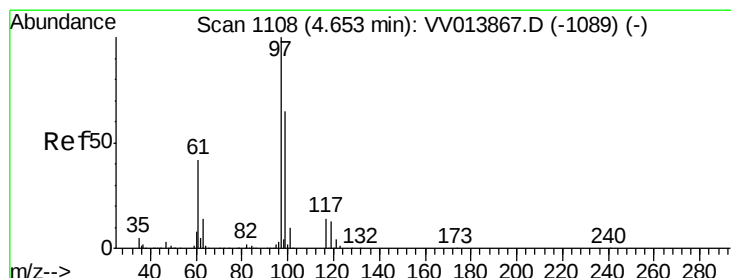
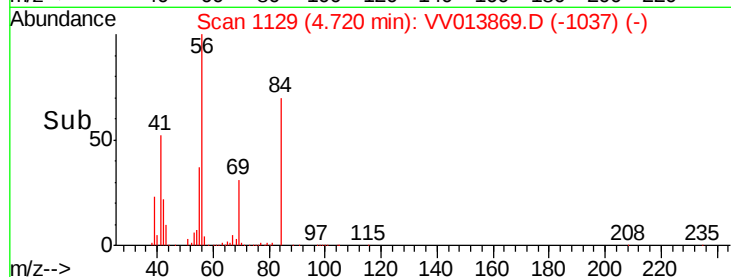
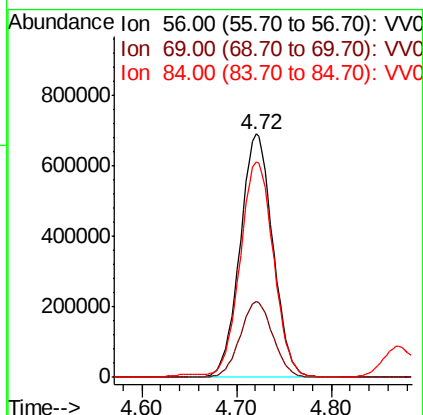
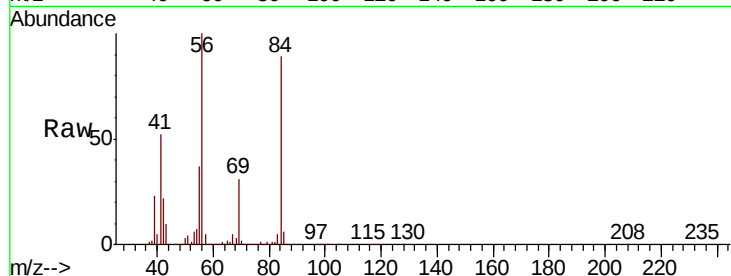




#29
Cyclohexane
Concen: 211.519 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

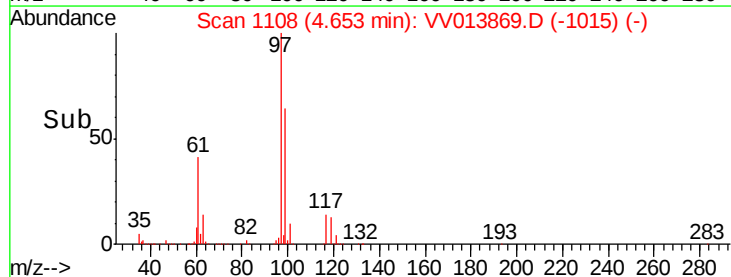
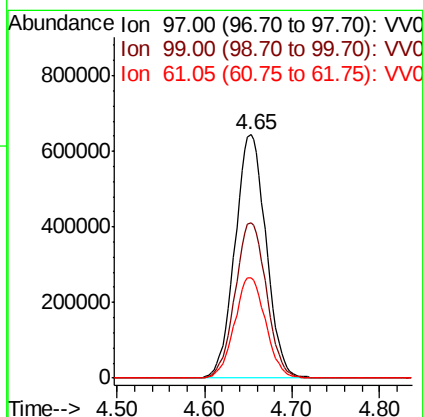
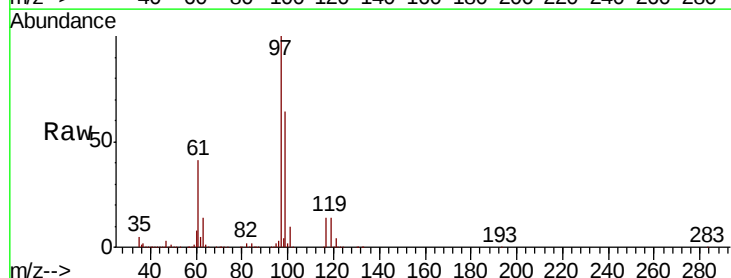
Instrument :
MSVOA_V
ClientSampleId :

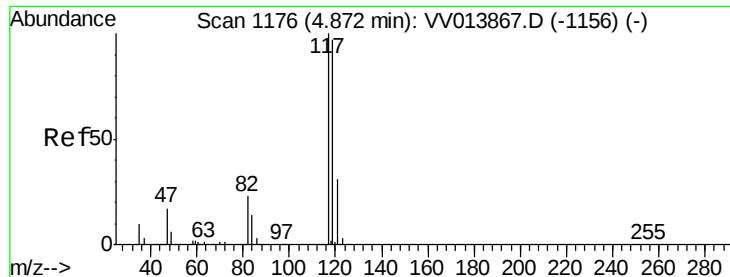
Tot Ion: 56 Resp: 1662445
Ion Ratio Lower Upper
56 100
69 31.3 24.9 37.3
84 90.2 71.0 106.4



#30
1,1,1-Trichloroethane
Concen: 205.523 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion: 97 Resp: 1590064
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 41.2 33.2 49.8





#31

Carbon tetrachloride

Concen: 212.034 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

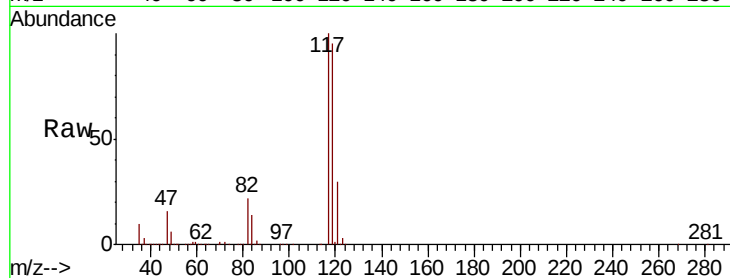
ClientSampleId :

Tot Ion:117 Resp: 1463942

Ion Ratio Lower Upper

117 100

119 96.5 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

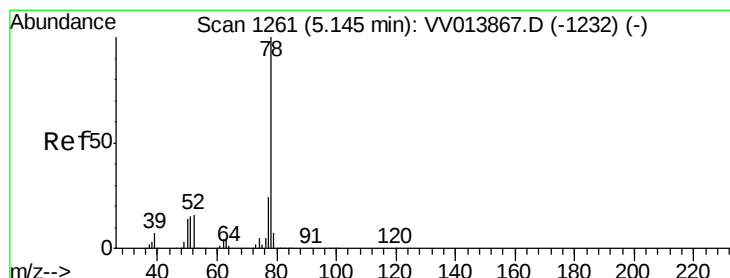
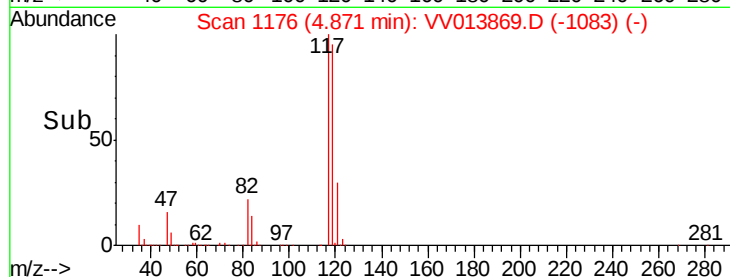
600000

400000

200000

0

Time-->



#33

Benzene

Concen: 203.536 ug/L

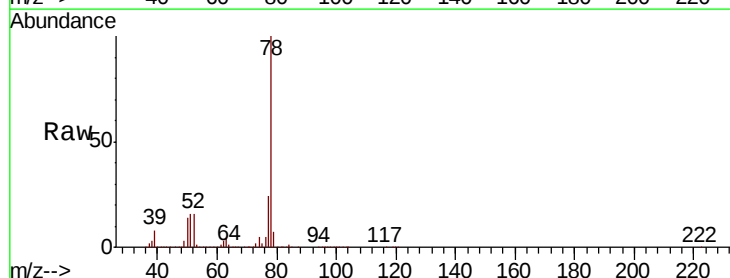
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Tgt Ion: 78 Resp: 3980548



Abundance Ion 78.00 (77.70 to 78.70): VV0

2000000

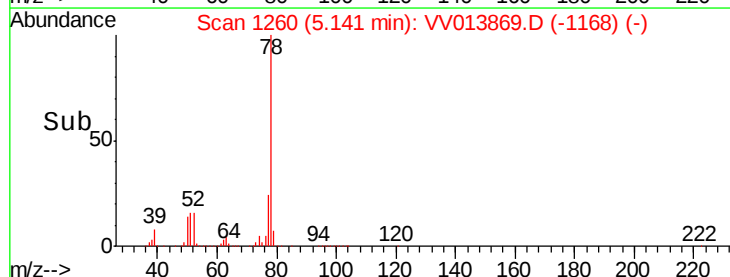
1500000

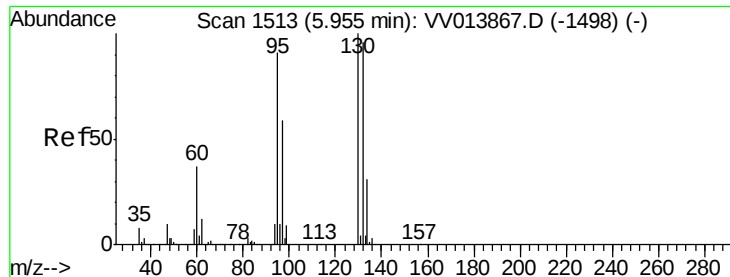
1000000

500000

0

Time-->

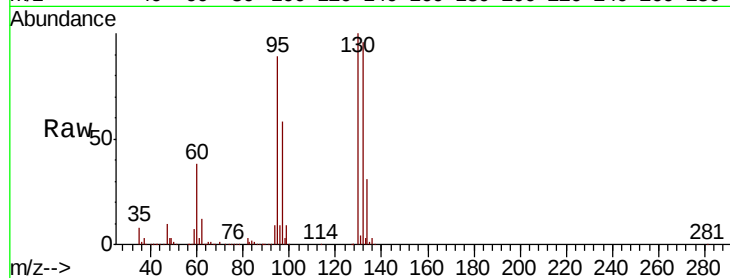




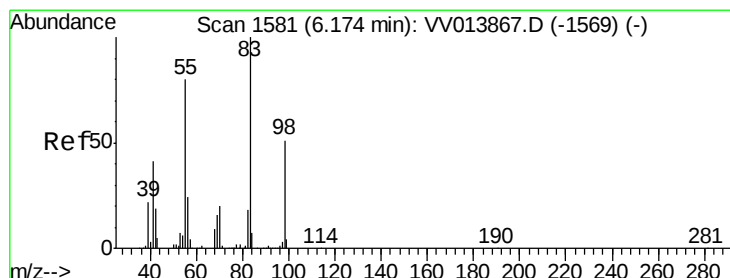
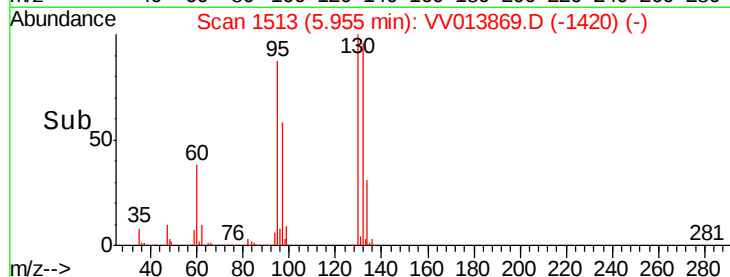
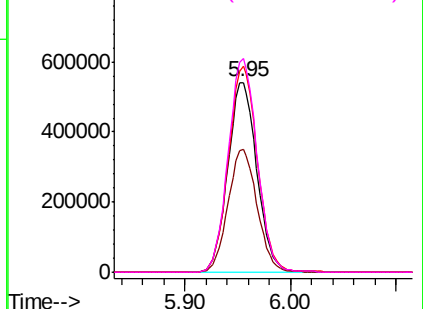
#34
 Trichloroethene
 Concen: 197.201 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 1032136
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.4 84.4
 132 108.4 73.7 136.9
 130 112.5 77.1 143.1

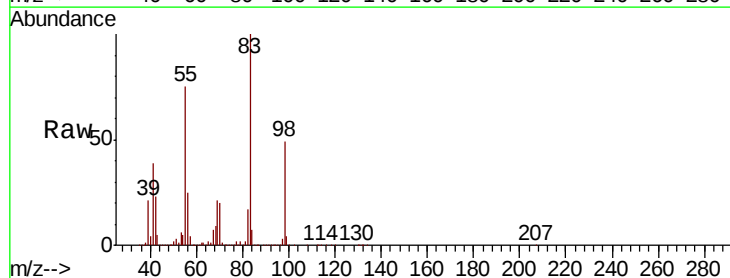


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

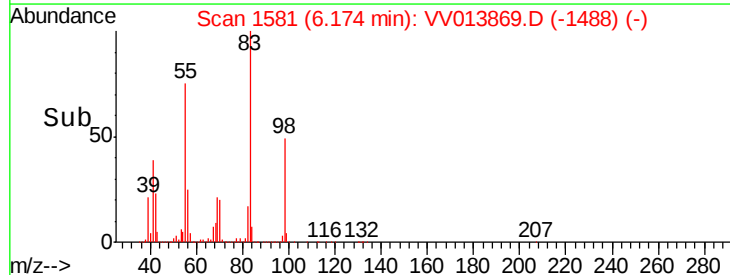
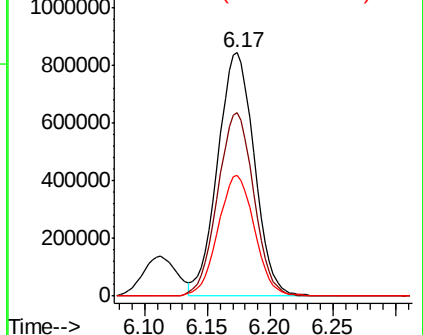


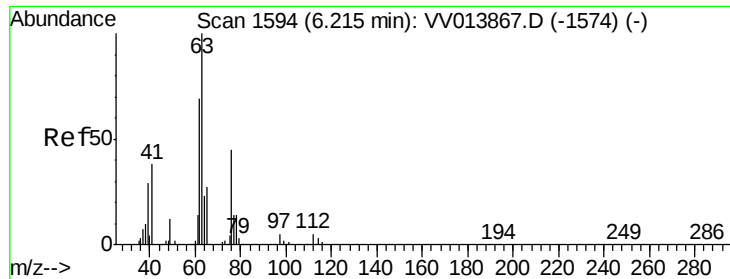
#35
 Methylcyclohexane
 Concen: 214.011 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Tgt Ion: 83 Resp: 1712152
 Ion Ratio Lower Upper
 83 100
 55 74.5 61.0 91.4
 98 49.3 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

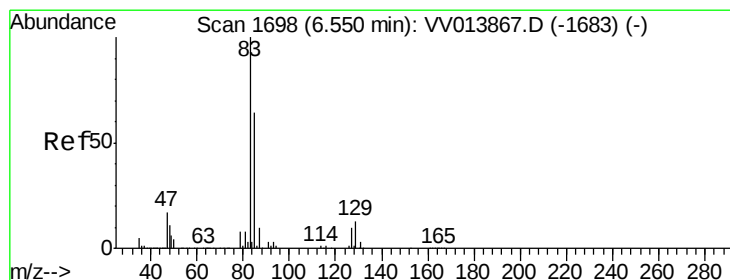
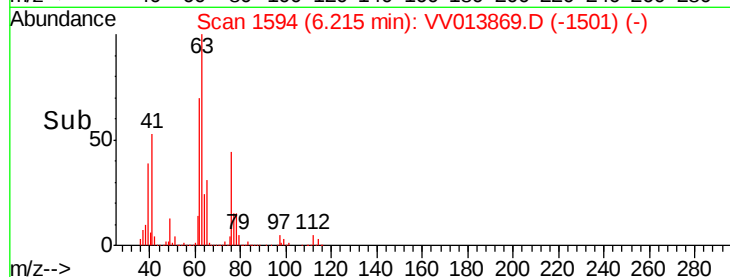
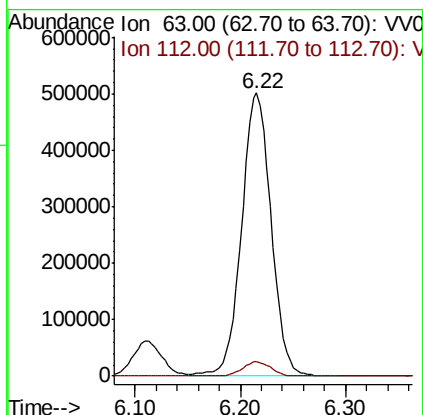
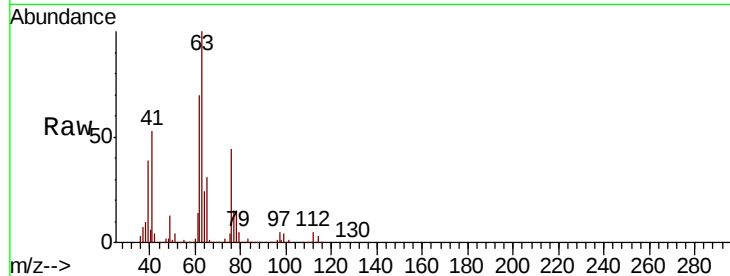




#37
 1,2-Dichloropropane
 Concen: 190.710 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

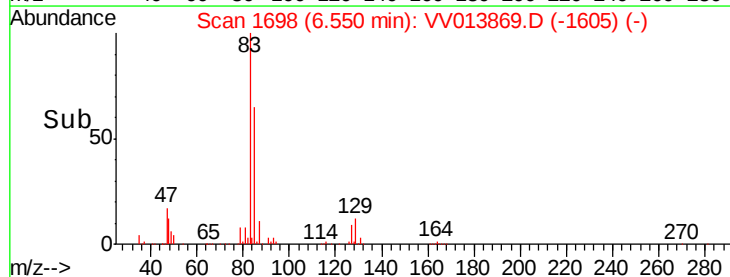
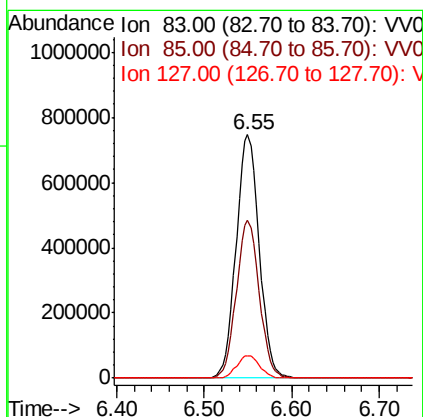
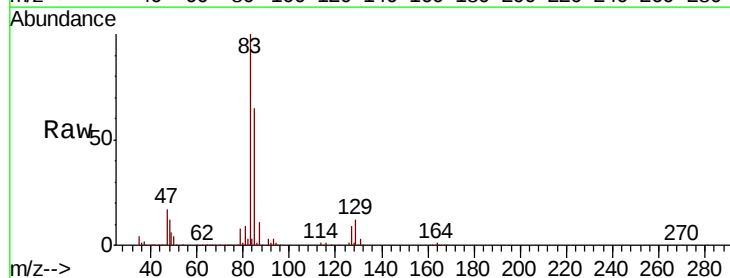
Instrument :
 MSVOA_V
 ClientSampled :

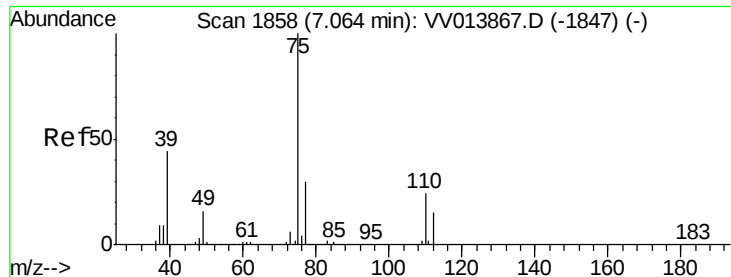
Tot Ion: 63 Resp: 969490
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 202.186 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Tgt Ion: 83 Resp: 1364349
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.8 83.2
 127 9.3 7.7 11.5



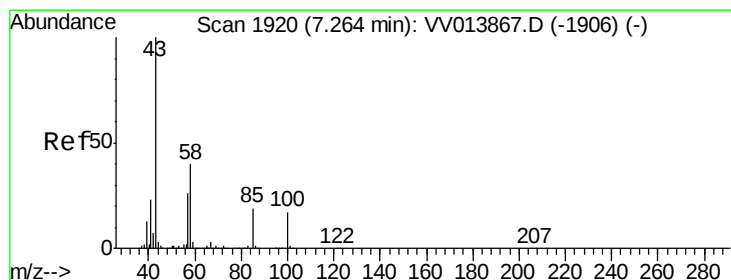
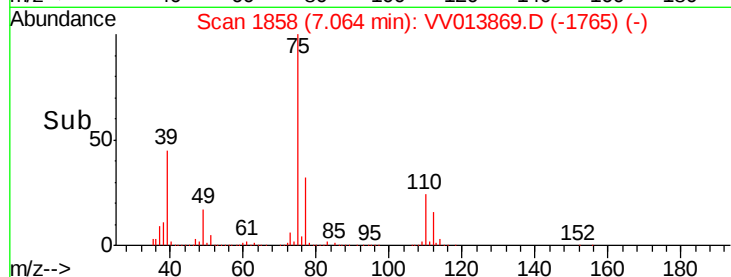
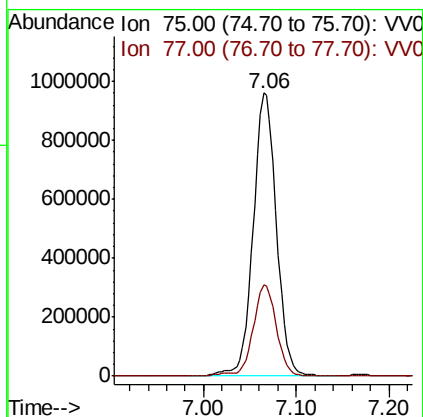
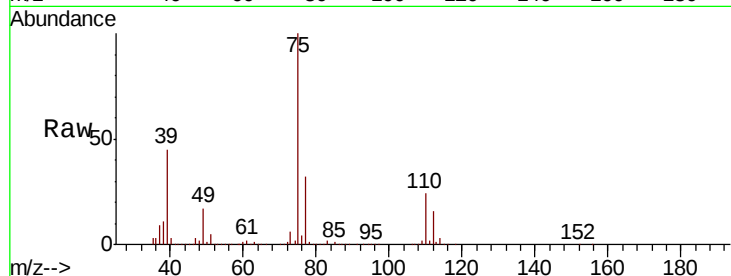


#39

cis-1,3-Dichloropropene
Concen: 214.180 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Instrument :
MSVOA_V
ClientSampled :

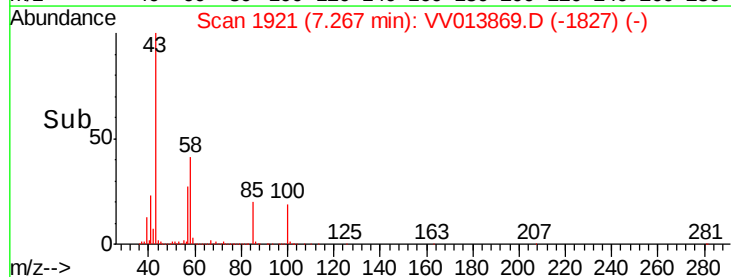
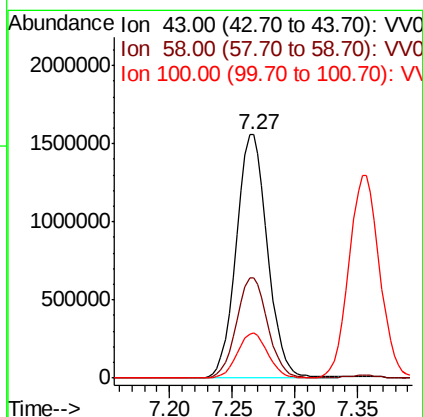
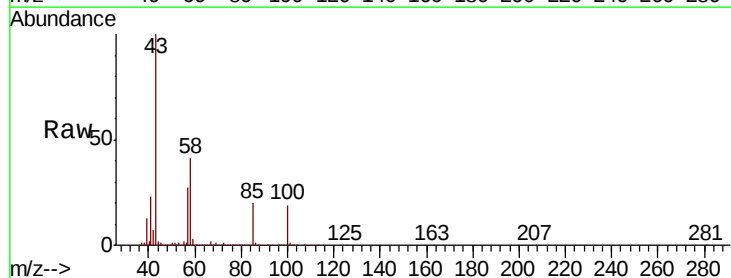
Tot Ion: 75 Resp: 1666788
Ion Ratio Lower Upper
75 100
77 32.1 21.6 40.2

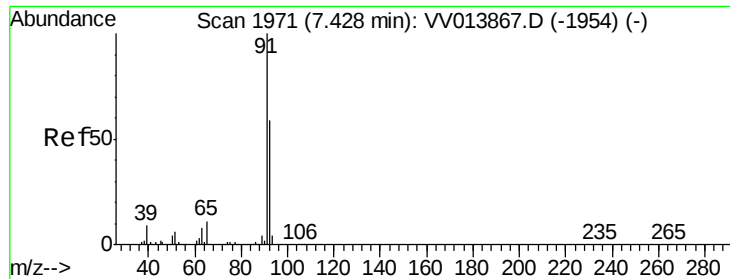


#40

4-Methyl-2-pentanone
Concen: 416.325 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion: 43 Resp: 2692019
Ion Ratio Lower Upper
43 100
58 41.2 31.9 47.9
100 18.1 13.7 20.5





#42

Toluene

Concen: 209.280 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

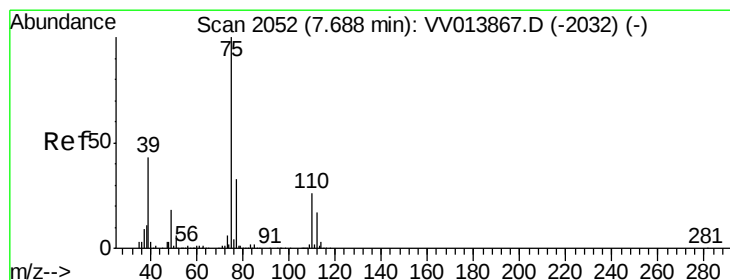
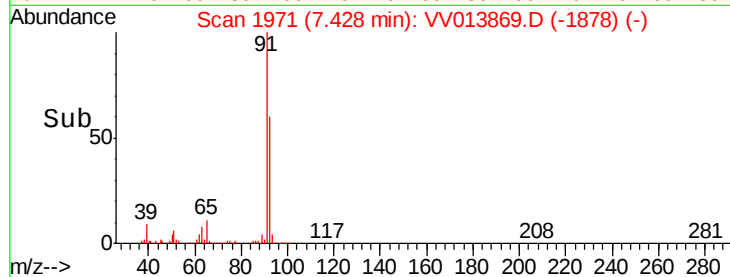
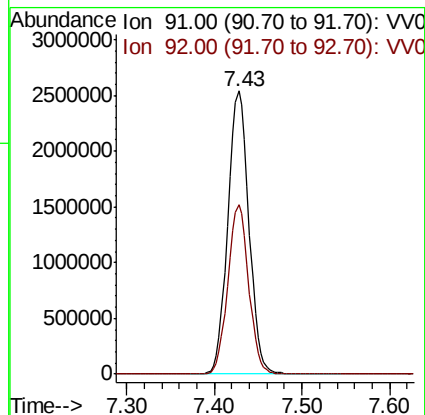
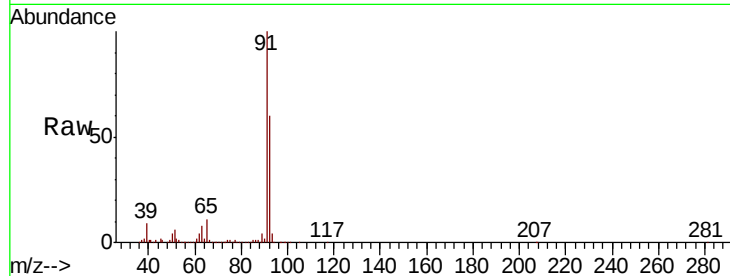
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4251125

Ion Ratio Lower Upper

91 100

92 59.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 219.818 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013869.D

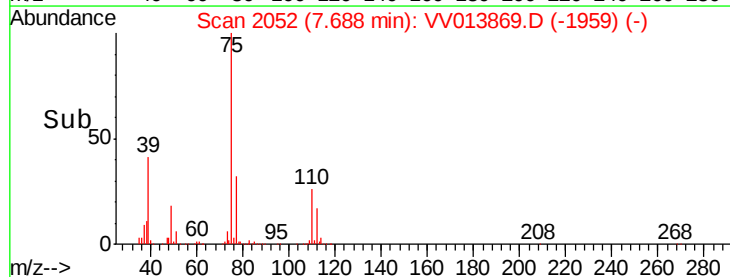
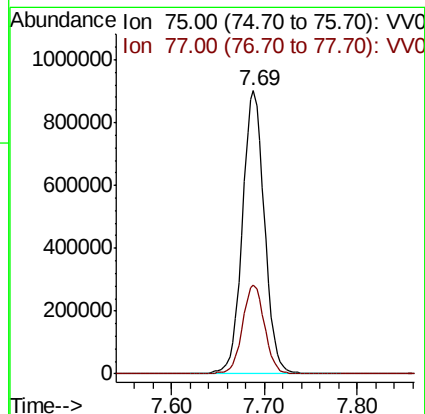
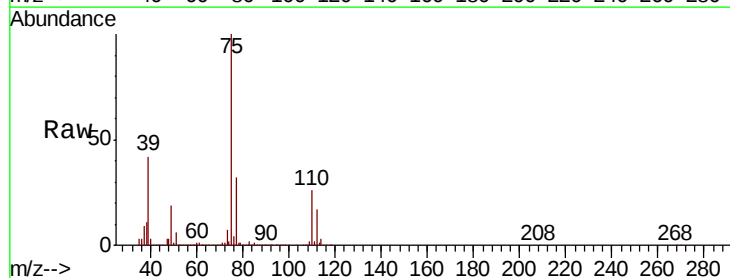
Acq: 02 Dec 2019 13:24

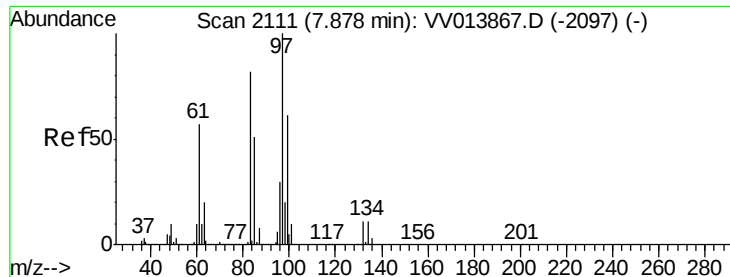
Tgt Ion: 75 Resp: 1484008

Ion Ratio Lower Upper

75 100

77 31.6 22.9 42.5

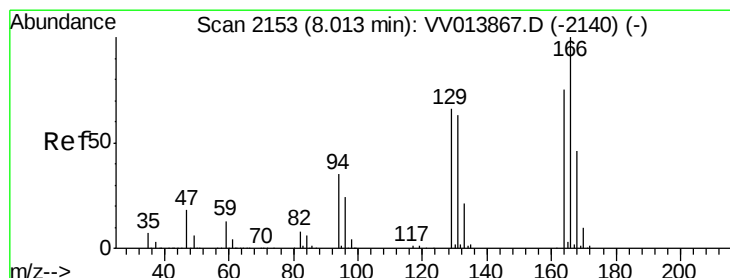
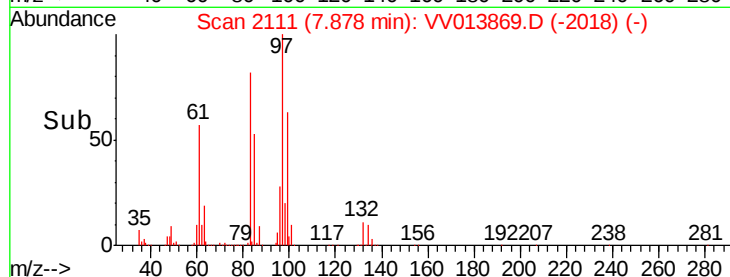
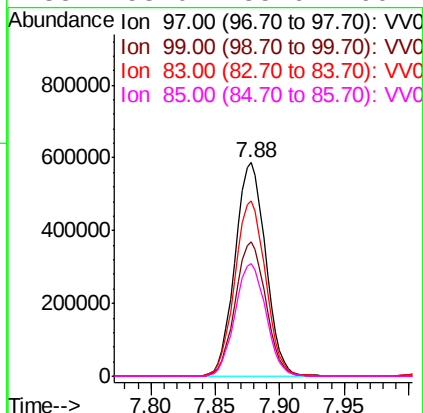
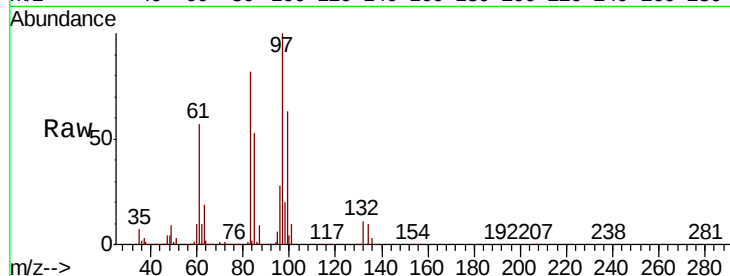




#45
1,1,2-Trichloroethane
Concen: 201.645 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

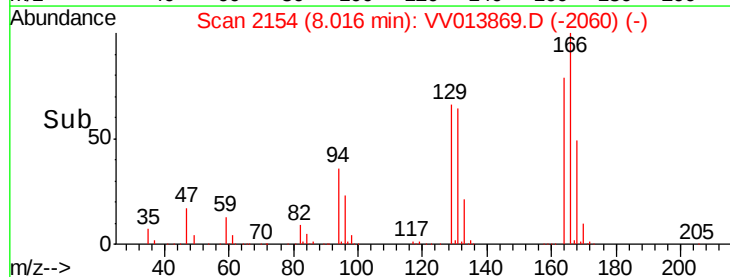
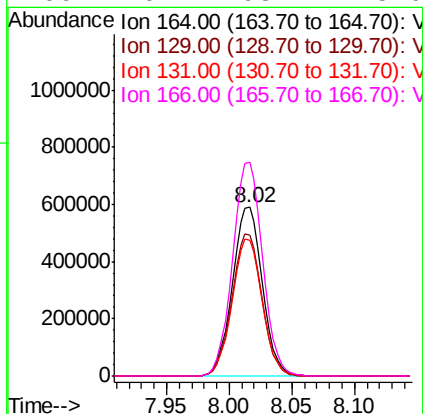
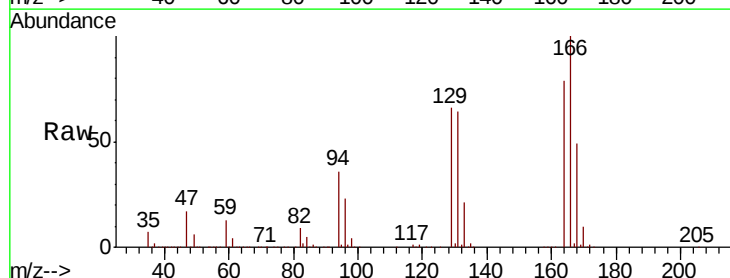
Instrument :
MSVOA_V
ClientSampleId :

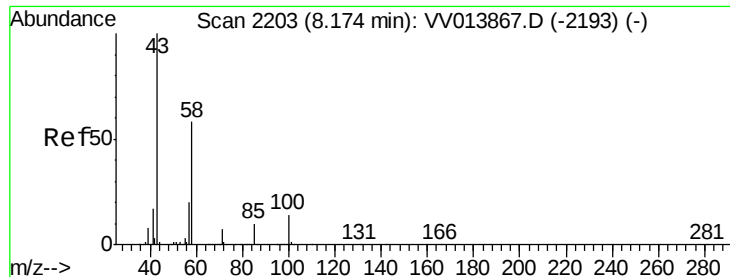
Tot Ion:	97	Resp:	970723
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.0	80.0
83	81.9	57.5	106.9
85	53.0	35.6	66.2



#46
Tetrachloroethene
Concen: 216.666 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion:	164	Resp:	977011
Ion	Ratio	Lower	Upper
164	100		
129	83.8	61.7	114.7
131	80.7	58.4	108.6
166	126.7	93.4	173.6

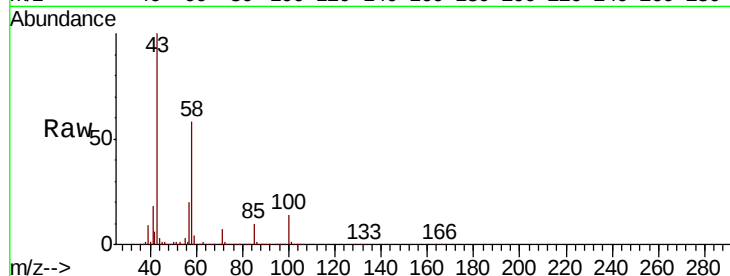




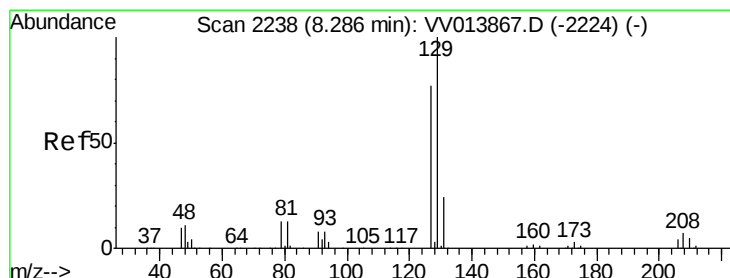
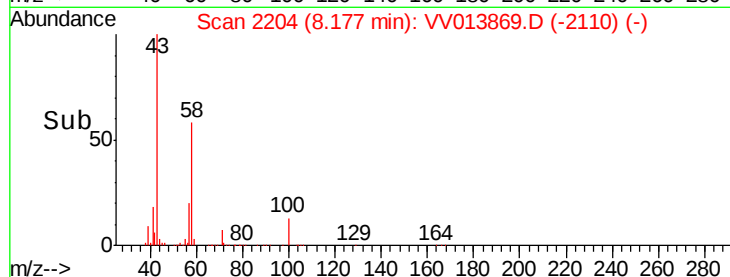
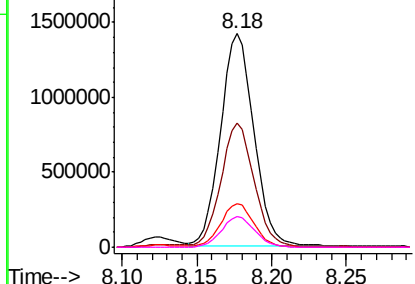
#48
2-Hexanone
Concen: 435.147 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2208318
Ion Ratio Lower Upper
43 100
58 57.9 48.4 72.6
57 20.5 16.6 24.8
100 14.4 11.9 17.9

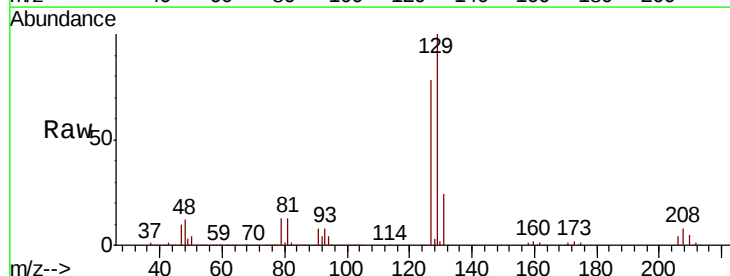


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

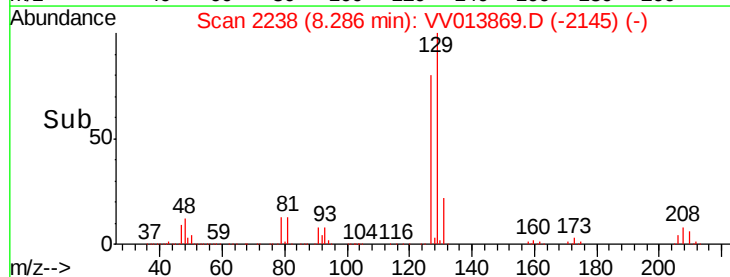
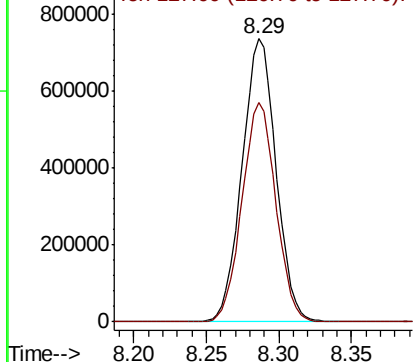


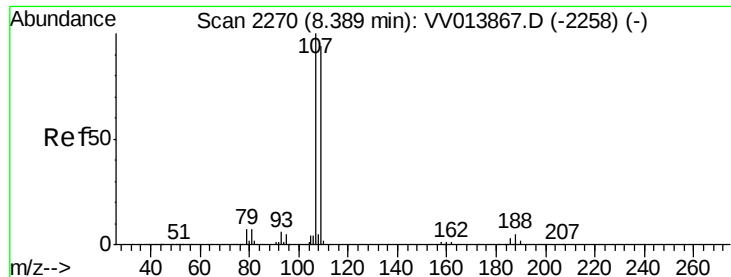
#49
Dibromochloromethane
Concen: 214.779 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion: 129 Resp: 1198248
Ion Ratio Lower Upper
129 100
127 77.6 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

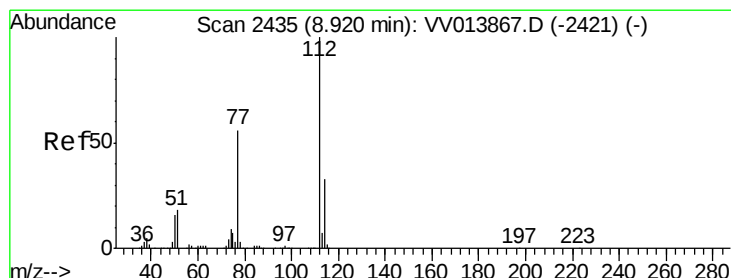
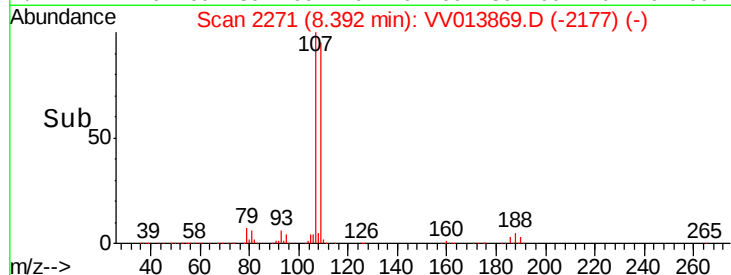
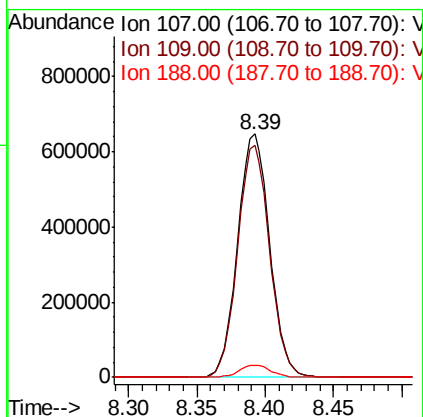
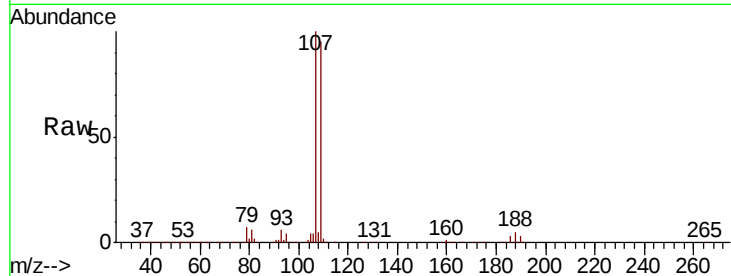




#50
 1,2-Dibromoethane
 Concen: 207.907 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

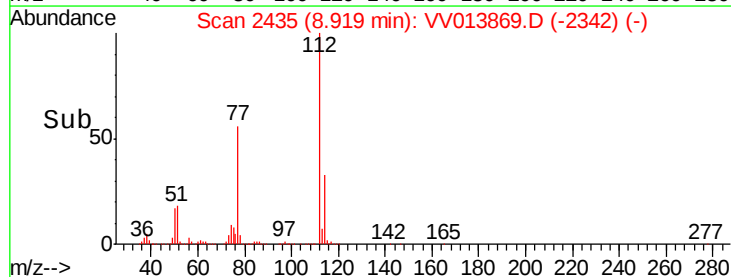
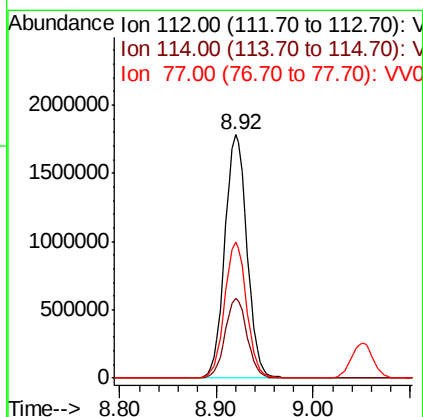
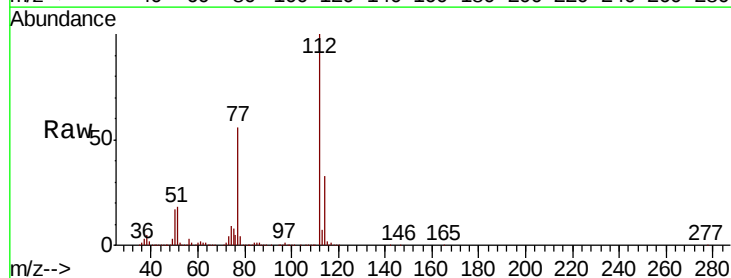
Instrument :
 MSVOA_V
 ClientSampleId :

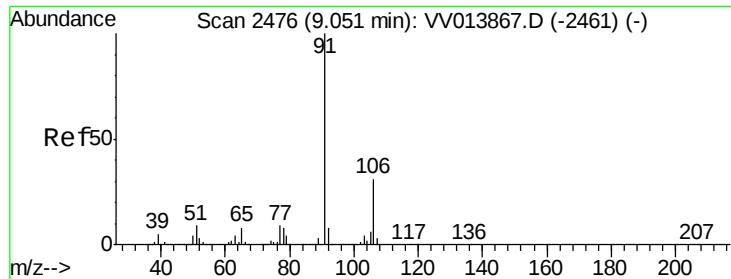
Tot Ion:107 Resp: 1059259
 Ion Ratio Lower Upper
 107 100
 109 95.3 65.9 122.5
 188 4.9 3.6 5.4



#51
 Chlorobenzene
 Concen: 208.656 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Tgt Ion:112 Resp: 2843372
 Ion Ratio Lower Upper
 112 100
 114 32.7 23.2 43.2
 77 55.9 45.0 67.4





#52

Ethylbenzene

Concen: 215.140 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

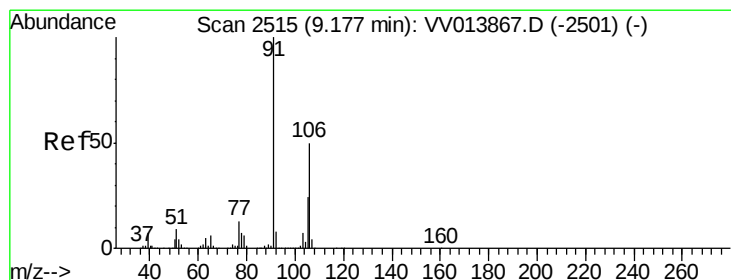
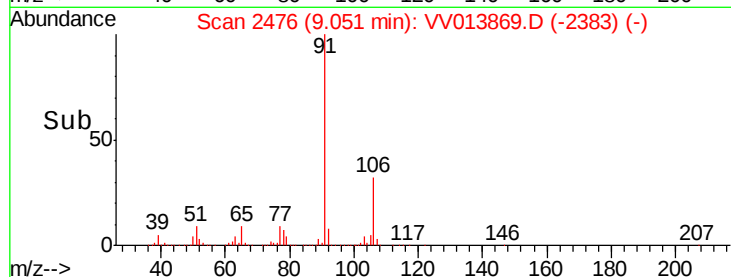
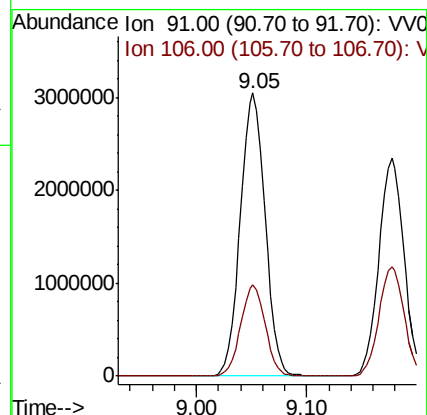
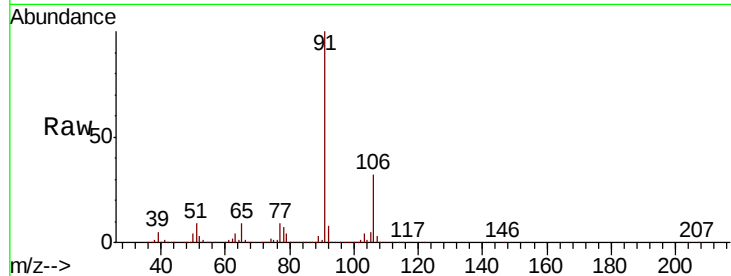
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4756356

Ion Ratio Lower Upper

91 100

106 32.3 21.8 40.4



#53

m,p-Xylene

Concen: 223.617 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013869.D

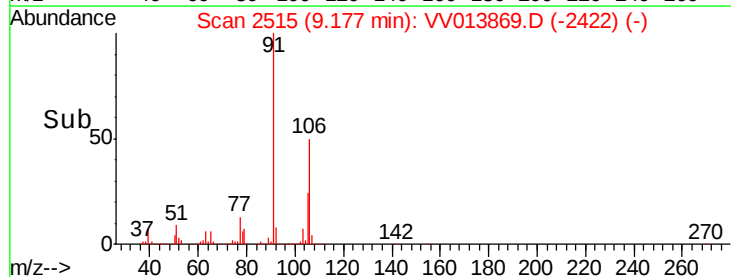
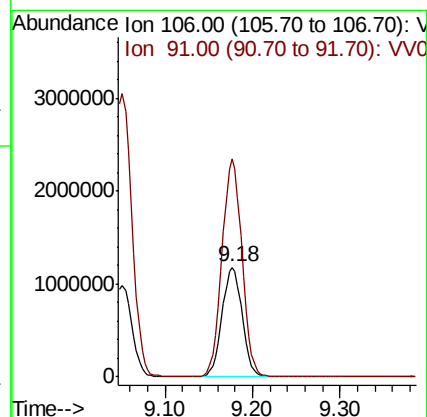
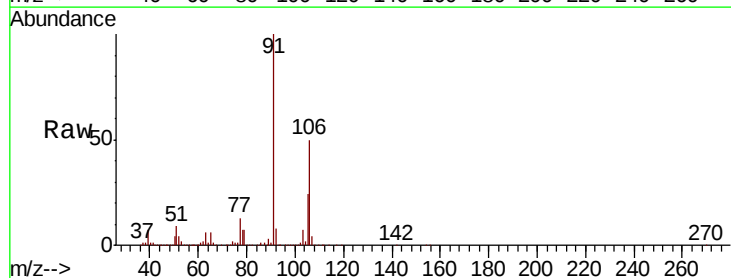
Acq: 02 Dec 2019 13:24

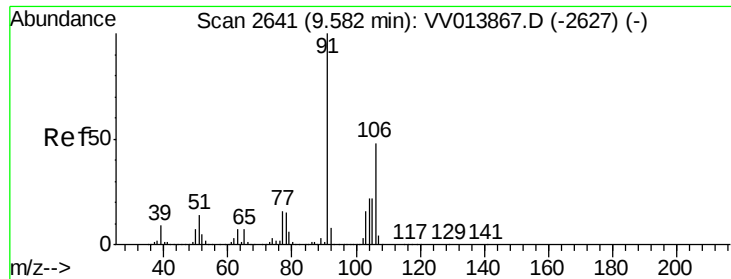
Tgt Ion:106 Resp: 1887585

Ion Ratio Lower Upper

106 100

91 198.4 139.4 259.0

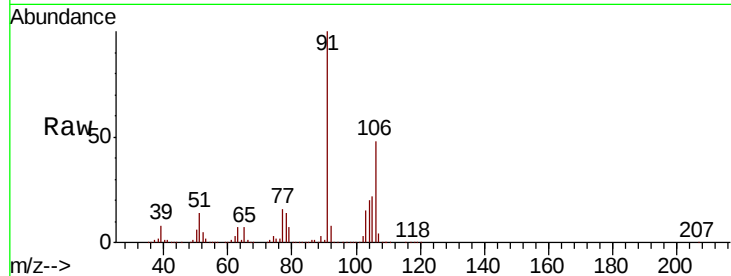




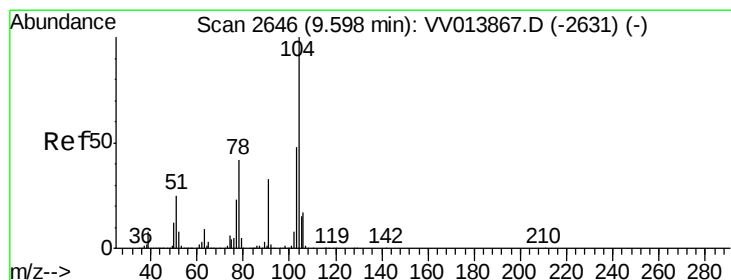
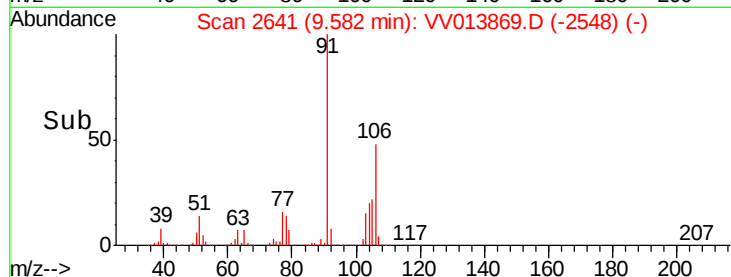
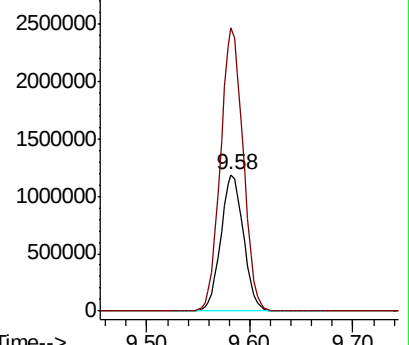
#54
o-xylene
Concen: 221.987 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1819847
Ion Ratio Lower Upper
106 100
91 207.5 147.1 273.1

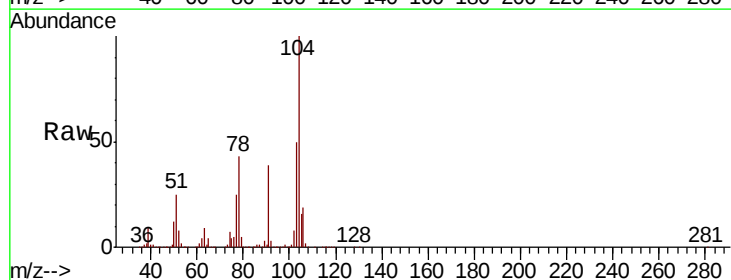


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

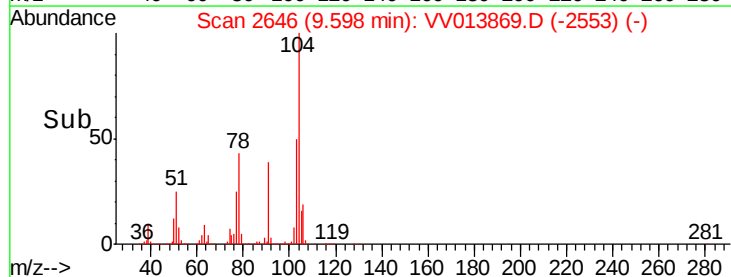
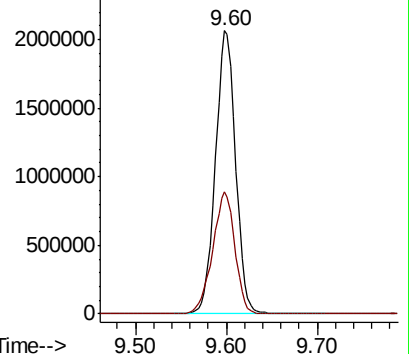


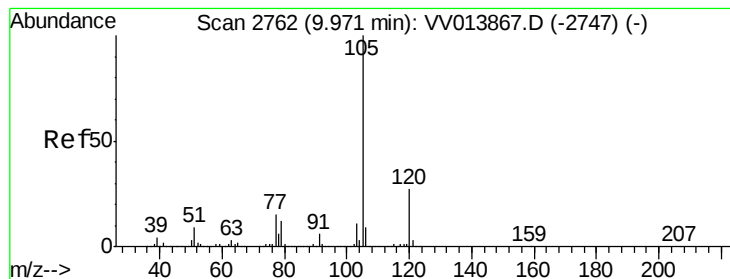
#55
Styrene
Concen: 223.100 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013869.D
Acq: 02 Dec 2019 13:24

Tgt Ion:104 Resp: 3176983
Ion Ratio Lower Upper
104 100
78 43.1 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: 220.404 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

ClientSampleId :

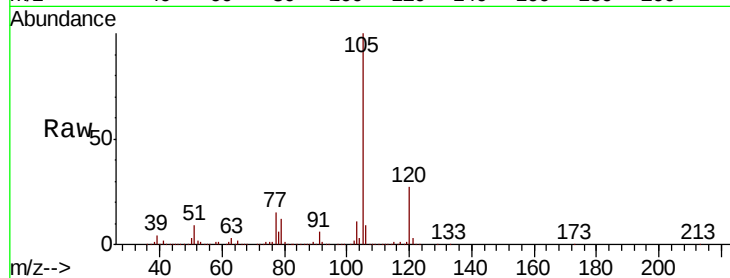
Tot Ion:105 Resp: 4817246

Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.4	32.2
77	14.7	12.0	18.0

105 100

120 27.1 21.4 32.2

77 14.7 12.0 18.0

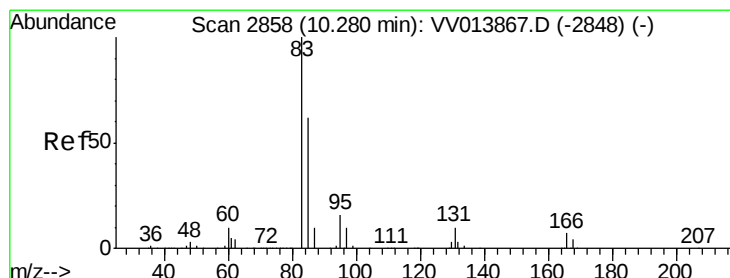
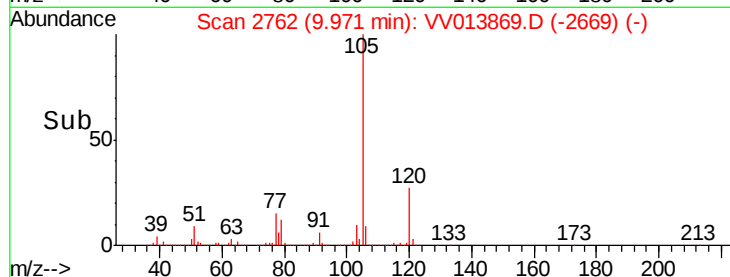
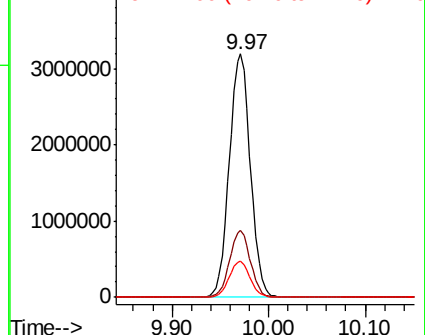


Abundance

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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 206.110 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

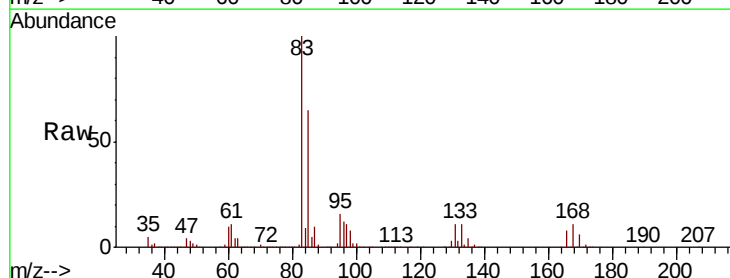
Tgt Ion: 83 Resp: 1525175

Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.1	81.9
131	10.7	8.8	13.2

83 100

85 64.7 44.1 81.9

131 10.7 8.8 13.2

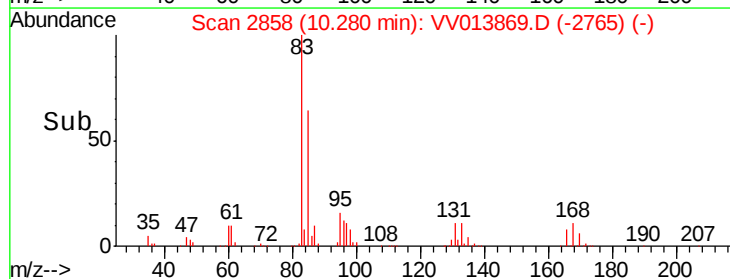
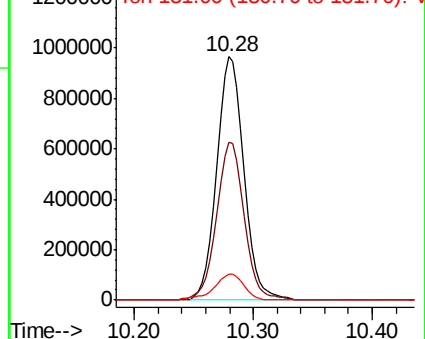


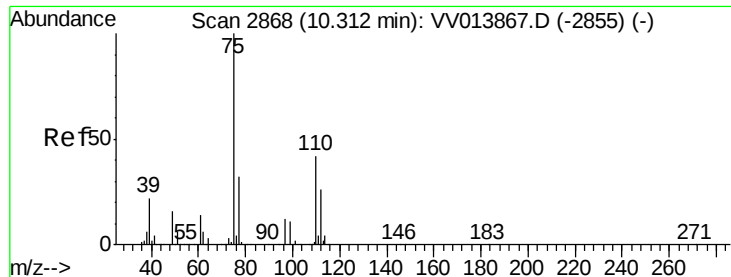
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 200.934 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

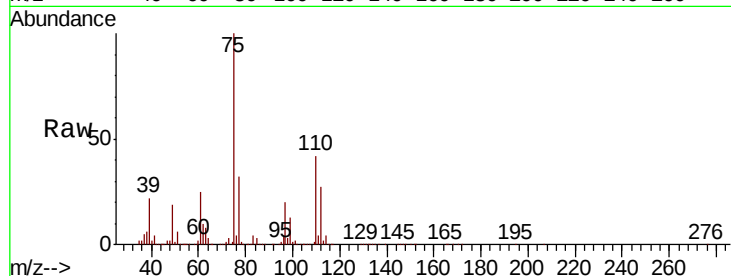
ClientSampleId :

Tot Ion: 75 Resp: 1239200

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013867.D (-2855) (-)

10.31

800000

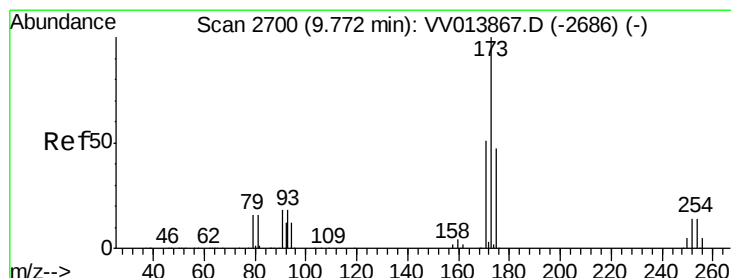
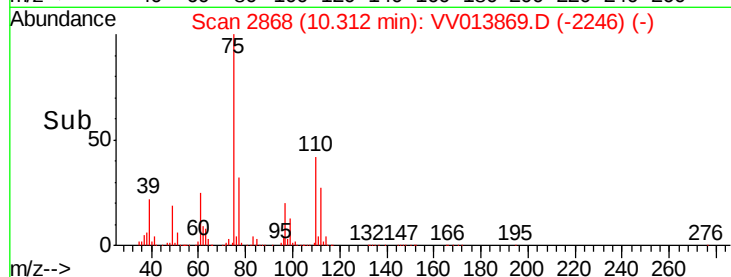
600000

400000

200000

0

Time-->



#61

Bromoform

Concen: 218.485 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

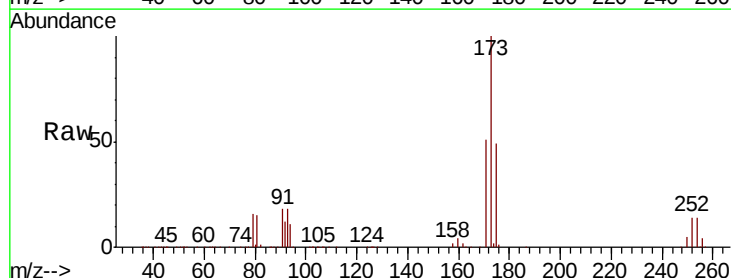
Tgt Ion:173 Resp: 1018859

Ion Ratio Lower Upper

173 100

175 48.9 38.4 57.6

254 13.4 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV013867.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013867.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013867.D (-2686) (-)

9.77

800000

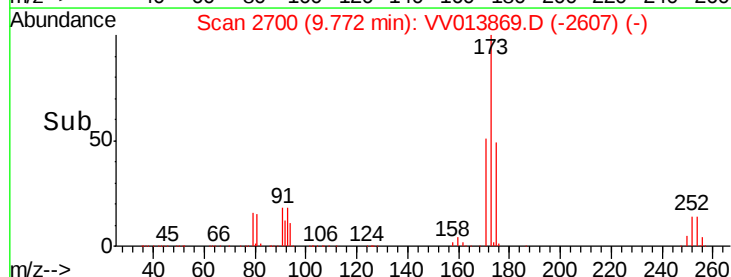
600000

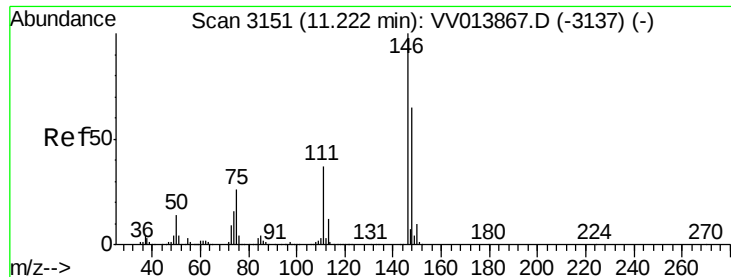
400000

200000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 205.427 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

ClientSampleId :

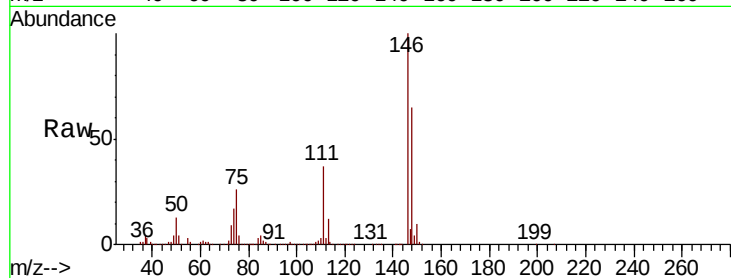
Tot Ion:146 Resp: 2497141

Ion Ratio Lower Upper

146 100

111 36.7 25.8 48.0

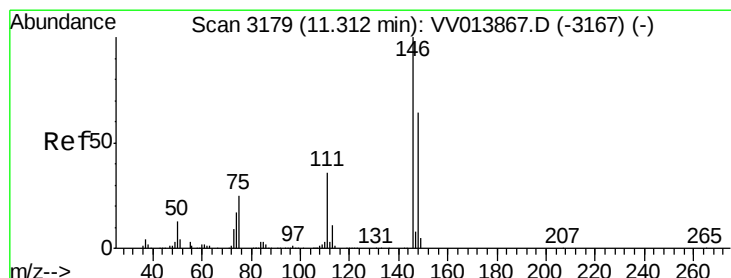
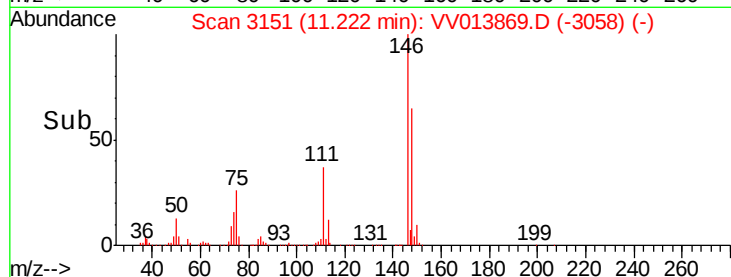
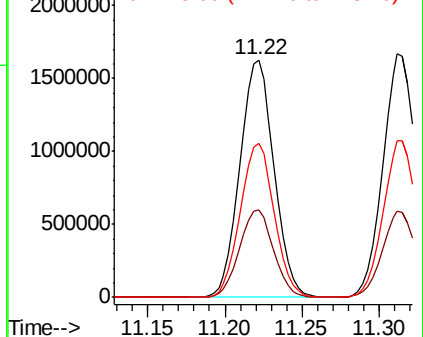
148 64.8 45.2 84.0



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: 199.320 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

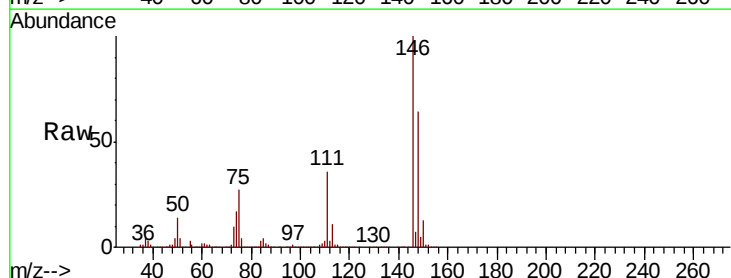
Tgt Ion:146 Resp: 2518675

Ion Ratio Lower Upper

146 100

111 35.6 25.4 47.2

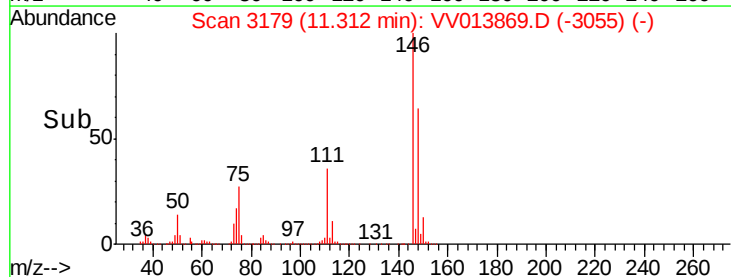
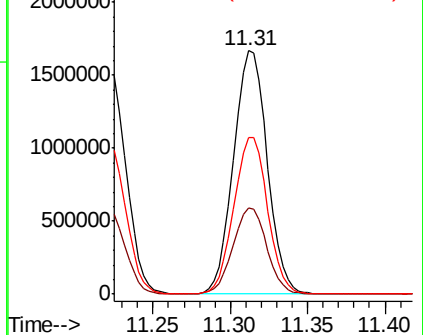
148 64.2 44.9 83.5

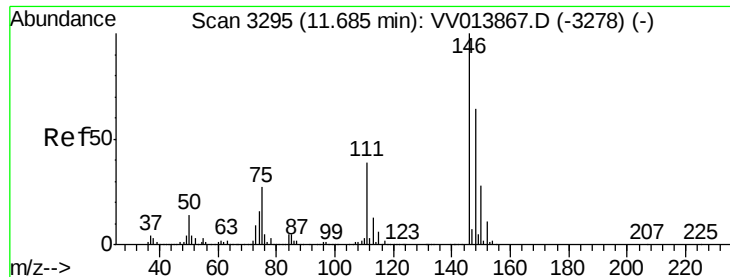


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 201.743 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Instrument :

MSVOA_V

ClientSampleId :

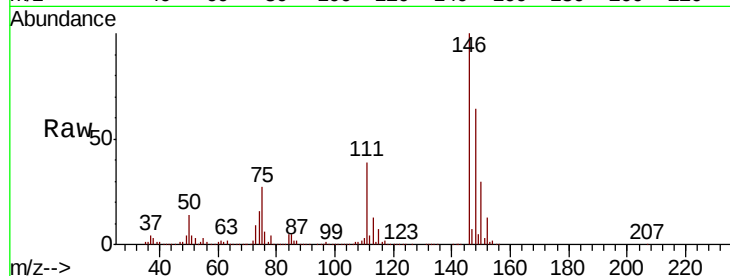
Tot Ion:146 Resp: 2456374

Ion Ratio Lower Upper

146 100

111 38.8 31.4 47.0

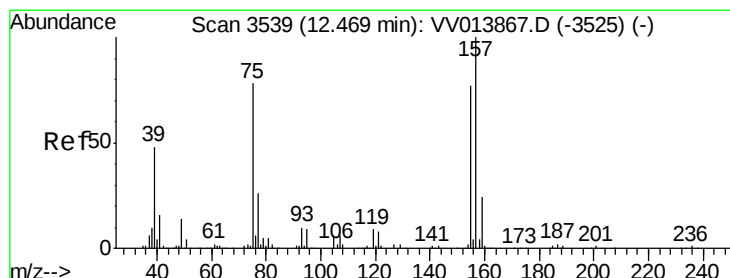
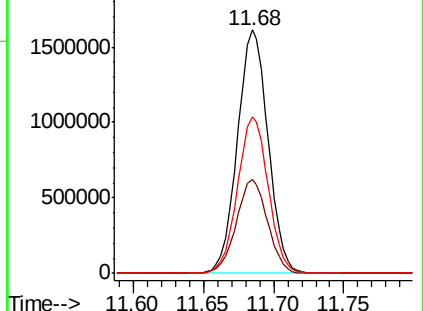
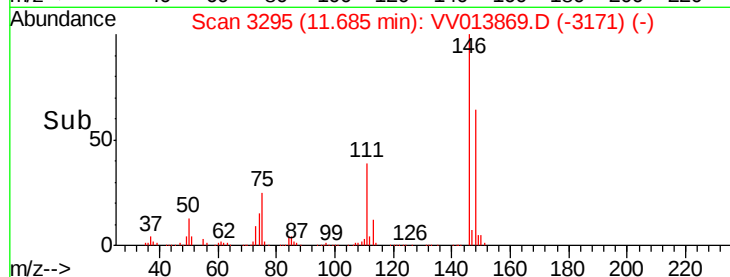
148 64.3 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 213.621 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

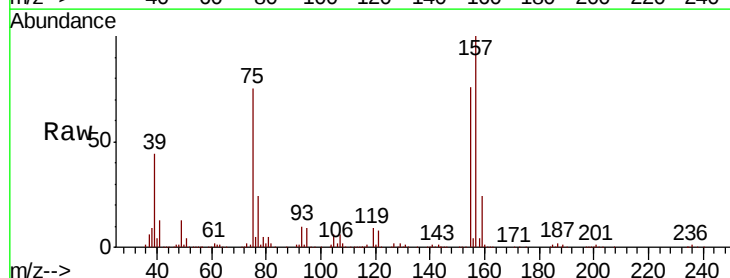
Tgt Ion: 75 Resp: 360070

Ion Ratio Lower Upper

75 100

155 101.7 78.6 117.8

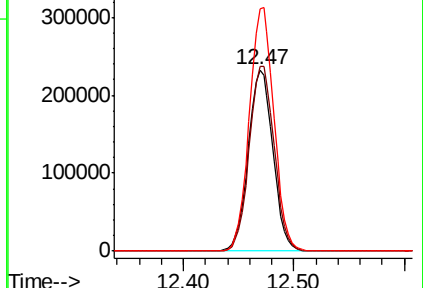
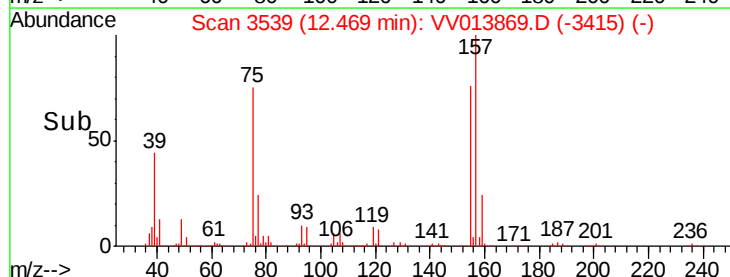
157 133.6 102.6 153.8

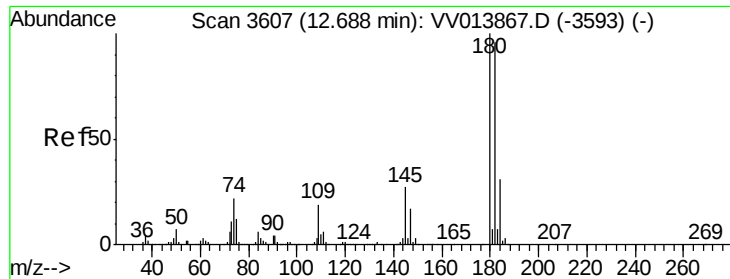


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

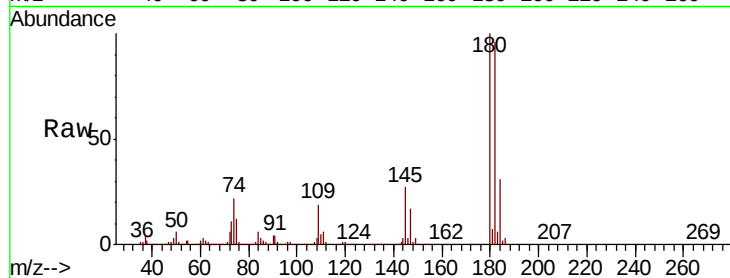




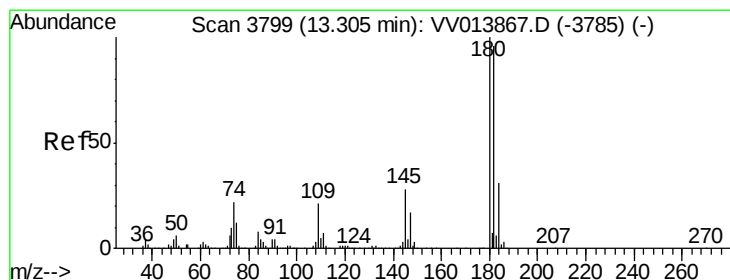
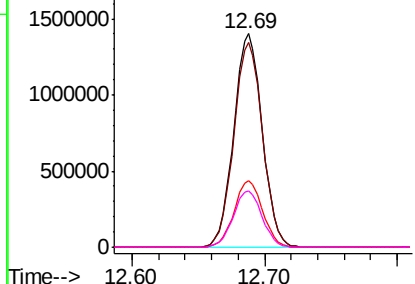
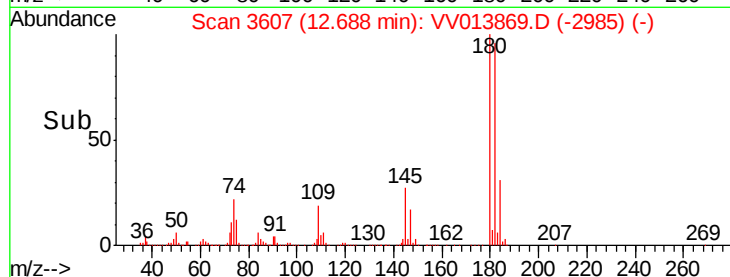
#67
 1,3,5-Trichlorobenzene
 Concen: 219.081 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 2089342
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.2 114.4
 184 31.1 24.2 36.4
 145 26.7 21.1 31.7

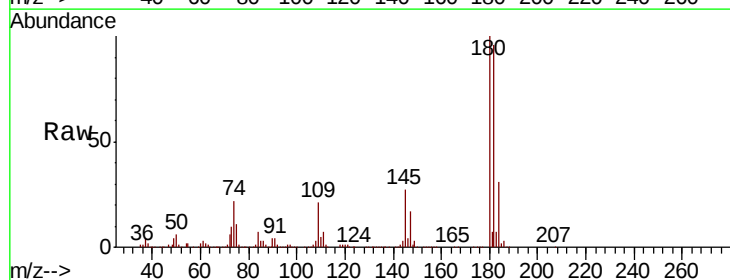


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

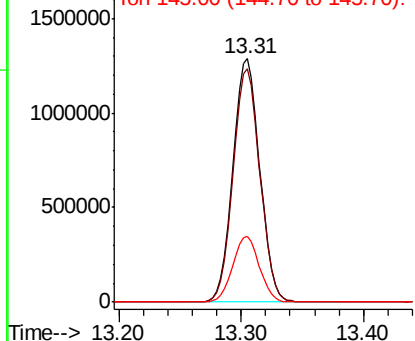
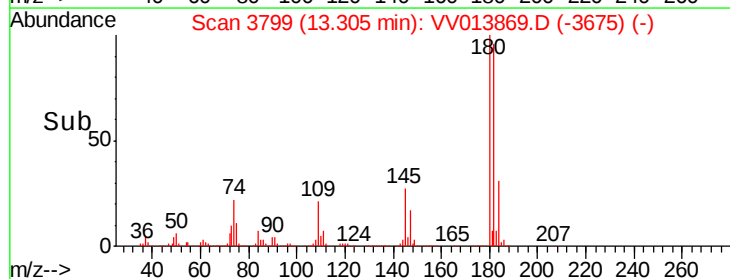


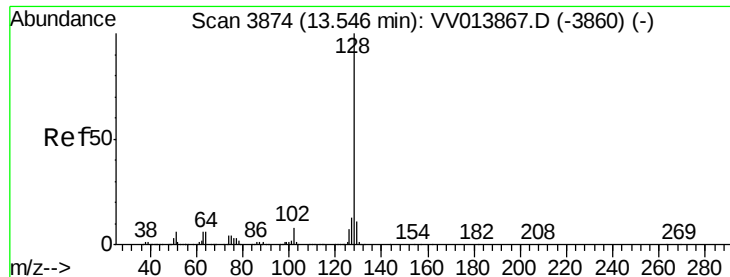
#68
 1,2,4-trichlorobenzene
 Concen: 234.444 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013869.D
 Acq: 02 Dec 2019 13:24

Tgt Ion:180 Resp: 1967945
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.4
 145 26.9 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: 236.765 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

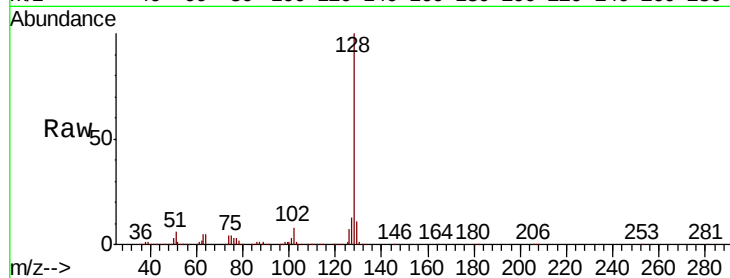
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 5309664

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	8.6	12.8

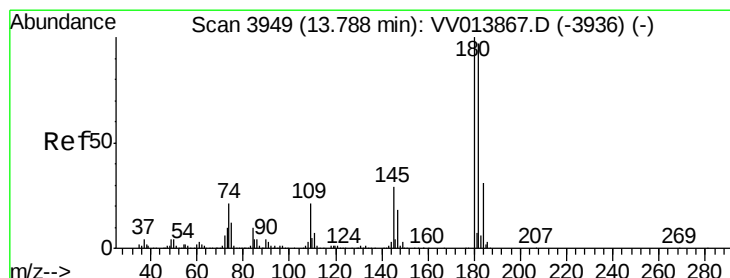
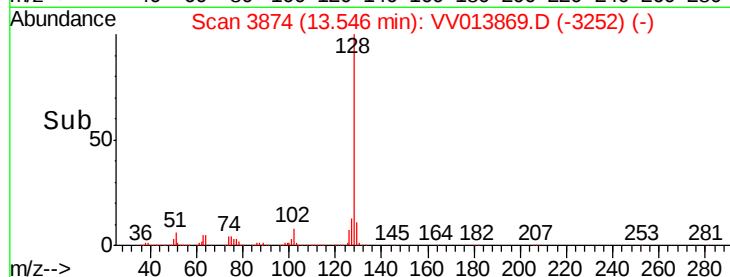
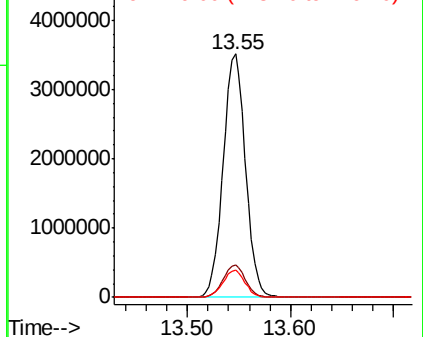


Abundance

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: 217.456 ug/L

RT: 13.79 min Scan# 3949

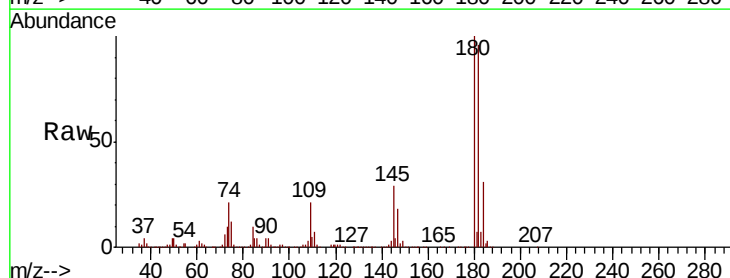
Delta R.T. -0.00 min

Lab File: VV013869.D

Acq: 02 Dec 2019 13:24

Tgt Ion:180 Resp: 1948116

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.4
145	28.8	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

