

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012732.D
 Acq On : 13 Sep 2019 16:39
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 18:27:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 18:23:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	807379	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	765827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	341907	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22487	4.91	ug/L	0.00
7) Chloroethane-d5	1.58	69	20145	4.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	46926	5.27	ug/L	0.00
21) 2-Butanone-d5	3.94	46	43752	9.22	ug/L	0.01
24) Chloroform-d	4.40	84	57552	5.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	34426	5.01	ug/L	0.00
32) Benzene-d6	5.10	84	97092	4.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	35201	4.88	ug/L	0.00
41) Toluene-d8	7.36	98	84153	4.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	13465	4.48	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	18909	6.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42296	4.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	38697	4.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34306	6.347 ug/L	98
3) Chloromethane	1.25	50	36753	6.516 ug/L	98
5) Vinyl chloride	1.32	62	35344	6.267 ug/L	98
6) Bromomethane	1.53	94	22094	6.965 ug/L	97
8) Chloroethane	1.60	64	21151	6.004 ug/L	98
9) Trichlorofluoromethane	1.77	101	51320	6.485 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31942	6.539 ug/L	98
12) 1,1-Dichloroethene	2.14	96	26460	6.217 ug/L	95
13) Acetone	2.19	43	51577	13.168 ug/L	98
14) Carbon disulfide	2.32	76	58087	6.254 ug/L	99
15) Methyl Acetate	2.46	43	37842	6.086 ug/L	97
16) Methylene chloride	2.53	84	35939	6.436 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	28792	6.189 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	96700	6.026 ug/L	99
19) 1,1-Dichloroethane	3.23	63	63516	6.316 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	34880	6.060 ug/L	98
22) 2-Butanone	4.02	43	55394	11.383 ug/L	89
23) Bromochloromethane	4.30	128	18568	6.350 ug/L	96
25) Chloroform	4.42	83	67311	6.372 ug/L	97
27) 1,2-Dichloroethane	5.18	62	49858	6.306 ug/L	98
29) Cyclohexane	4.72	56	41287	5.679 ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	49416	6.171 ug/L	98
31) Carbon tetrachloride	4.87	117	42913	6.224 ug/L	99
33) Benzene	5.14	78	126521	6.074 ug/L	100
34) Trichloroethene	5.96	95	39069	6.452 ug/L	98
35) Methylcyclohexane	6.18	83	43920	5.750 ug/L	96
37) 1,2-Dichloropropane	6.22	63	37700	6.293 ug/L	# 96
38) Bromodichloromethane	6.55	83	47873	6.208 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	46384	5.530 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	91989	11.095 ug/L	98

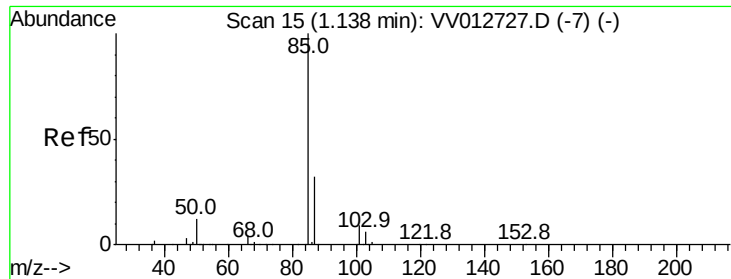
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 18:23:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	124977	5.777	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	40467	5.473	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	37069	6.342	ug/L	96
46) Tetrachloroethene	8.02	164	26242	6.248	ug/L	99
48) 2-Hexanone	8.18	43	71786	10.531	ug/L	99
49) Dibromochloromethane	8.29	129	35834	5.851	ug/L	99
50) 1,2-Dibromoethane	8.40	107	33216	5.899	ug/L	95
51) Chlorobenzene	8.92	112	91648	6.184	ug/L	99
52) Ethylbenzene	9.05	91	134191	5.643	ug/L	98
53) m,p-Xylene	9.18	106	47120	5.380	ug/L	96
54) o-xylene	9.59	106	47592	5.353	ug/L	94
55) Styrene	9.60	104	75277	4.992	ug/L	95
56) Isopropylbenzene	9.97	105	124617	5.334	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	45465	5.697	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	46498	6.098	ug/L	97
61) Bromoform	9.77	173	25474	6.170	ug/L #	95
62) 1,3-Dichlorobenzene	11.22	146	64243	6.083	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	67758	6.255	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	69395	6.250	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	8735	5.893	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	46223	5.925	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36497	5.537	ug/L	98
69) Naphthalene	13.55	128	88604	4.650	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	39635	5.539	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 6.347 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

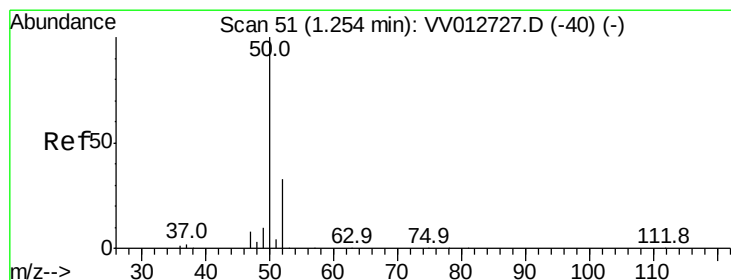
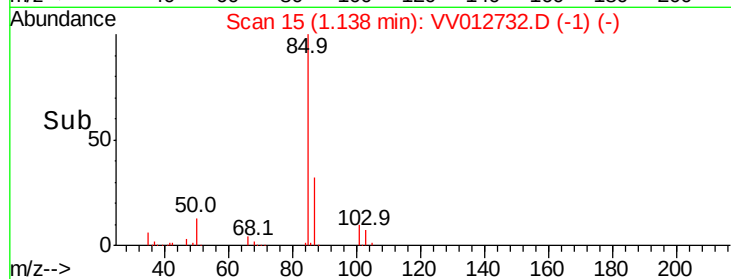
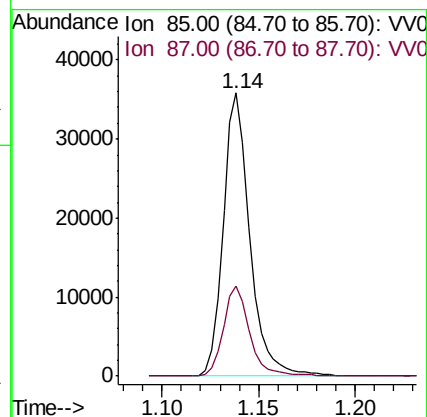
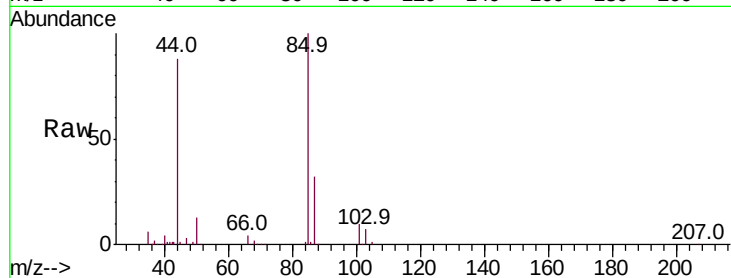
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 34306

Ion Ratio Lower Upper

85 100

87 31.3 25.8 38.6



#3

Chloromethane

Concen: 6.516 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012732.D

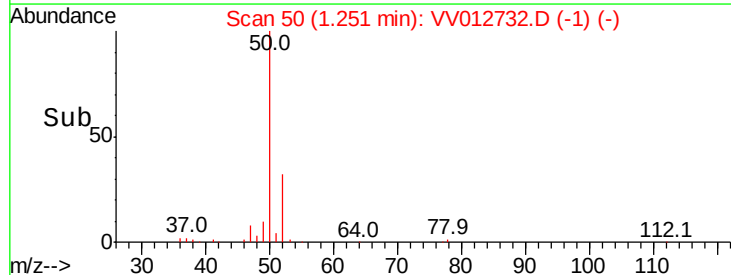
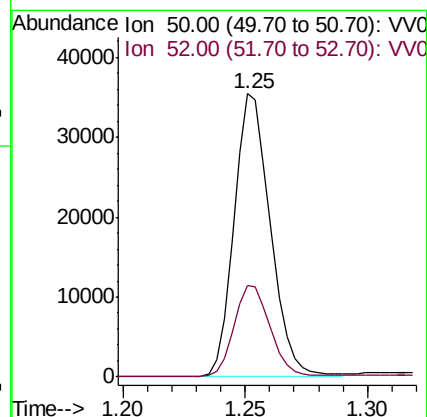
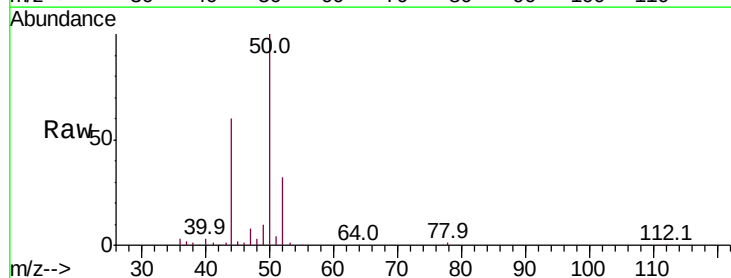
Acq: 13 Sep 2019 16:39

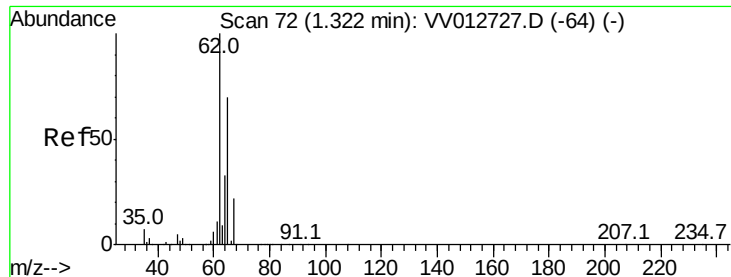
Tgt Ion: 50 Resp: 36753

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.4





#5

Vinyl chloride

Concen: 6.267 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

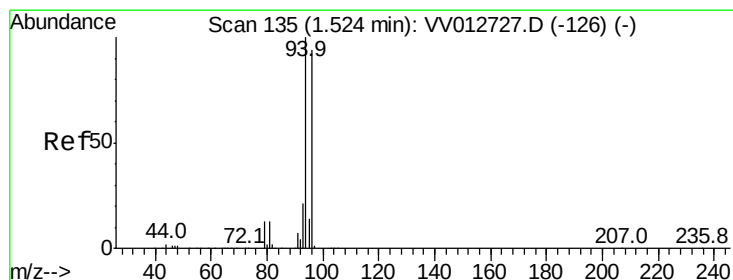
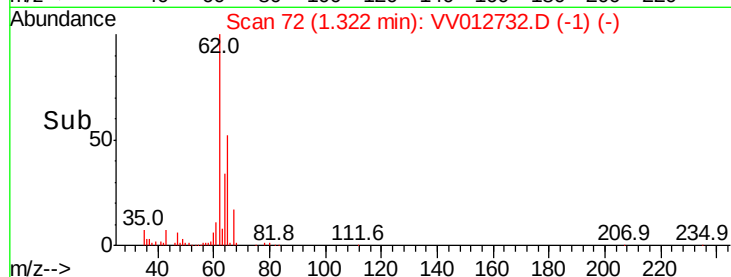
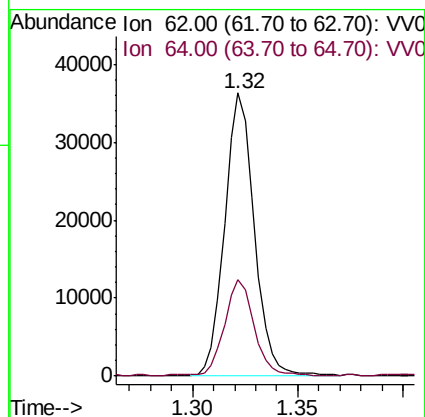
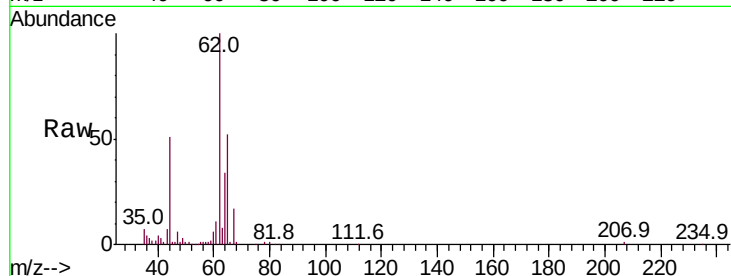
ClientSampled :

Tot Ion: 62 Resp: 35344

Ion Ratio Lower Upper

62 100

64 34.2 23.2 43.2



#6

Bromomethane

Concen: 6.965 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV012732.D

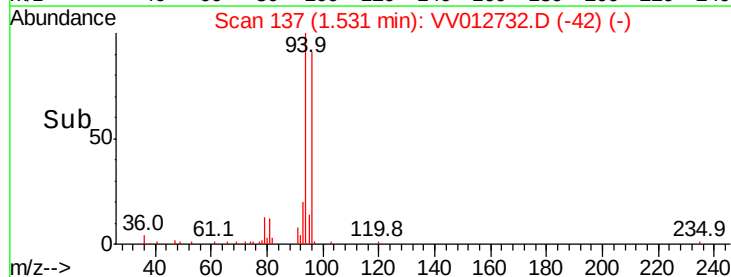
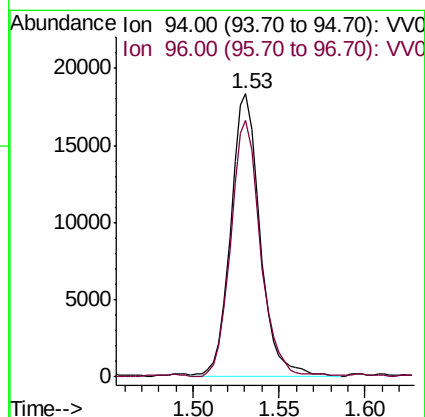
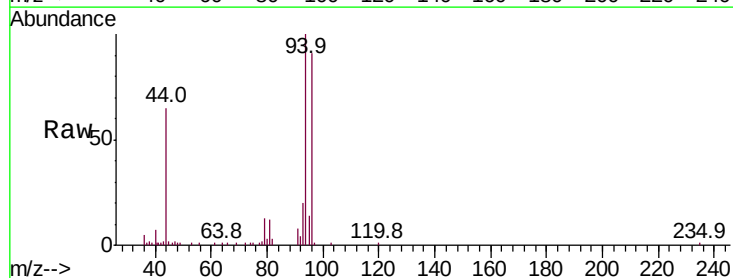
Acq: 13 Sep 2019 16:39

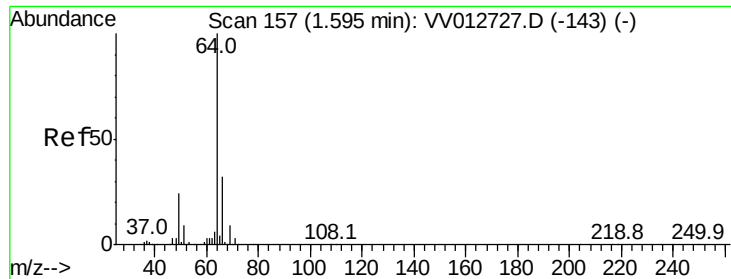
Tgt Ion: 94 Resp: 22094

Ion Ratio Lower Upper

94 100

96 90.8 65.9 122.3





#8

Chloroethane

Concen: 6.004 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

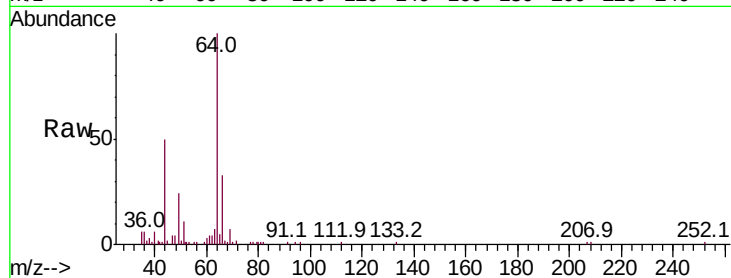
ClientSampleId :

Tot Ion: 64 Resp: 21151

Ion Ratio Lower Upper

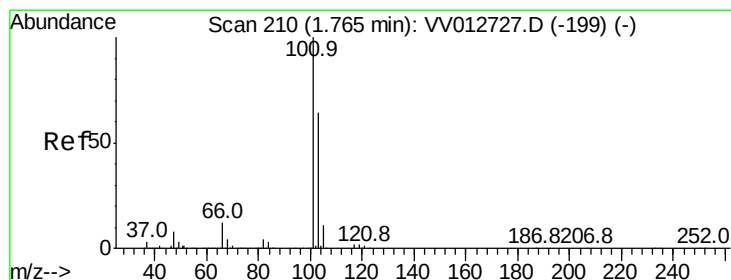
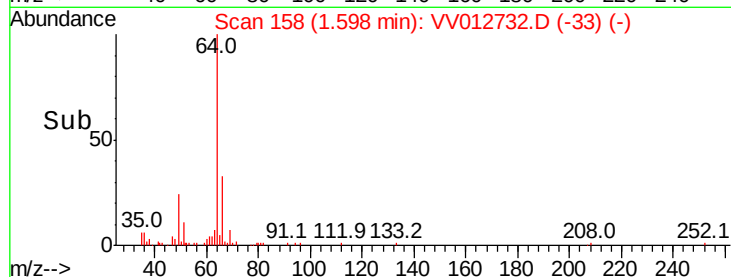
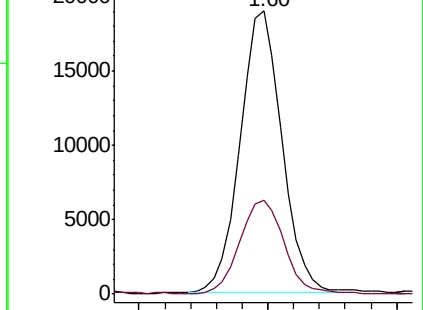
64 100

66 33.0 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV012727.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV012727.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 6.485 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012732.D

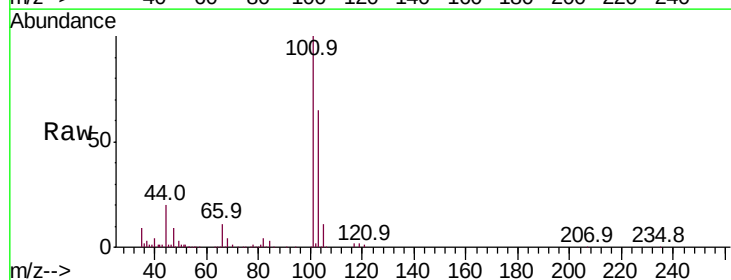
Acq: 13 Sep 2019 16:39

Tgt Ion: 101 Resp: 51320

Ion Ratio Lower Upper

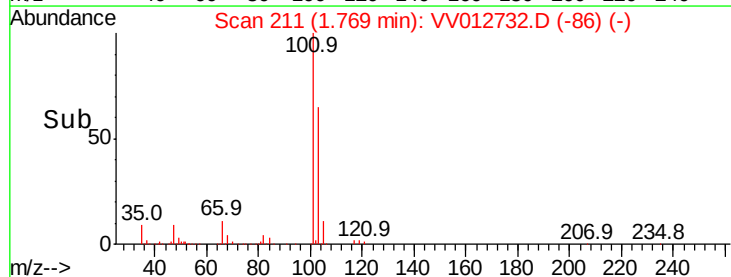
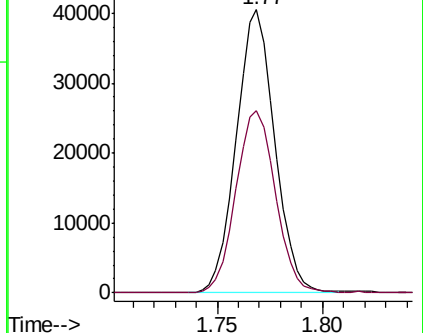
101 100

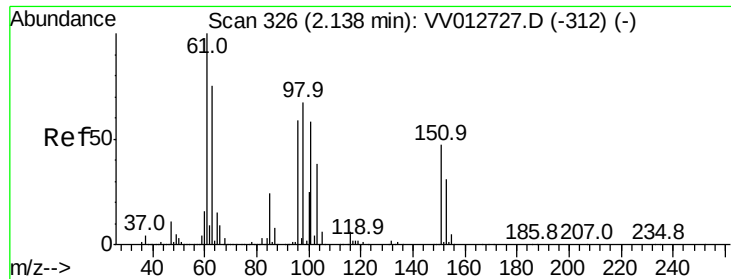
103 66.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV012727.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012727.D (-199) (-)





#10

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

Concen: 6.539 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

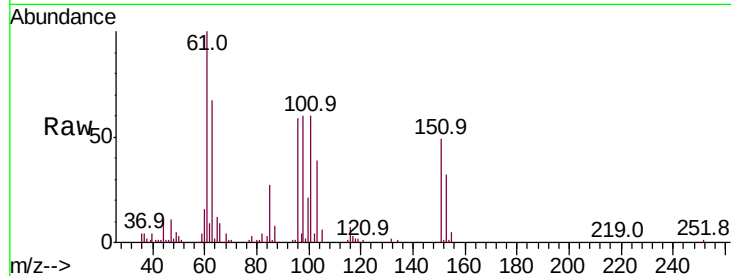
Tot Ion:101 Resp: 31942

Ion Ratio Lower Upper

101 100

85 43.7 32.7 49.1

151 80.3 65.0 97.4



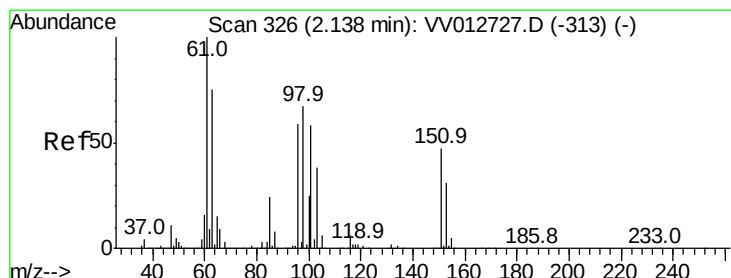
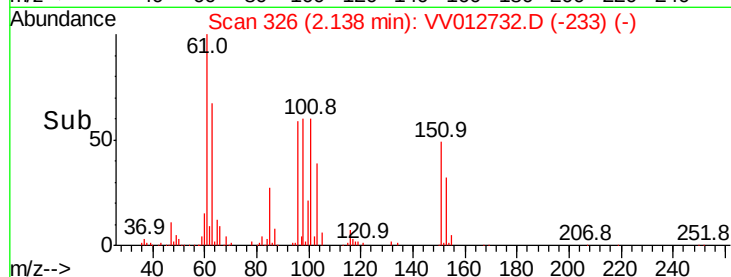
Abundance Ion 101.00 (100.70 to 101.70): VV012727.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012727.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012727.D (-312) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 6.217 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

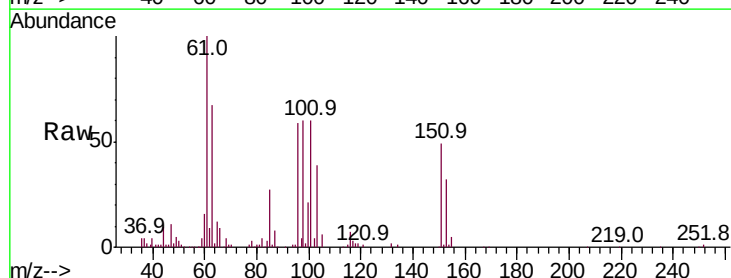
Tgt Ion: 96 Resp: 26460

Ion Ratio Lower Upper

96 100

61 169.4 118.0 219.2

63 113.7 89.2 165.6



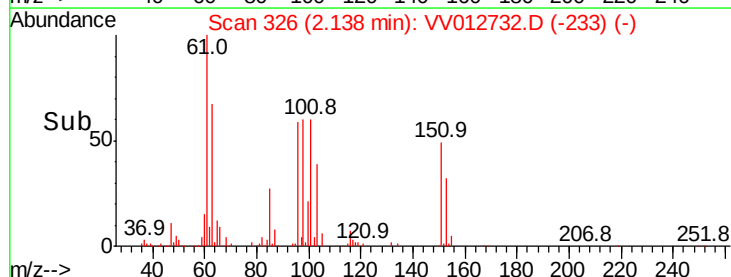
Abundance Ion 96.00 (95.70 to 96.70): VV012727.D (-313) (-)

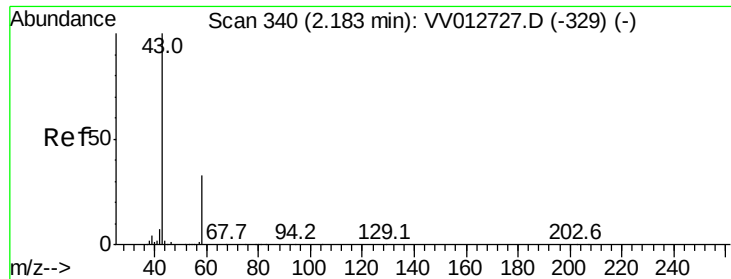
Ion 61.00 (60.70 to 61.70): VV012727.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV012727.D (-313) (-)

2.14

Time-->





#13

Acetone

Concen: 13.168 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

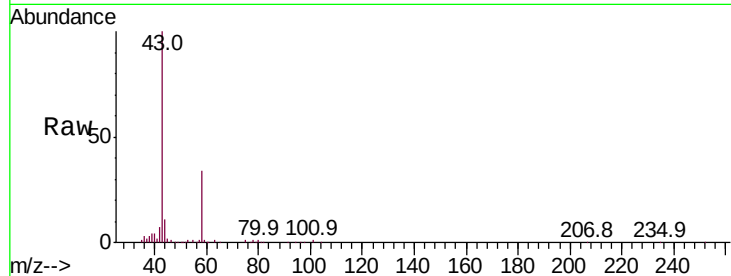
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 51577

Ion Ratio Lower Upper

43 100

58 34.5 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV012727.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012727.D (-329) (-)

2.19

40000

30000

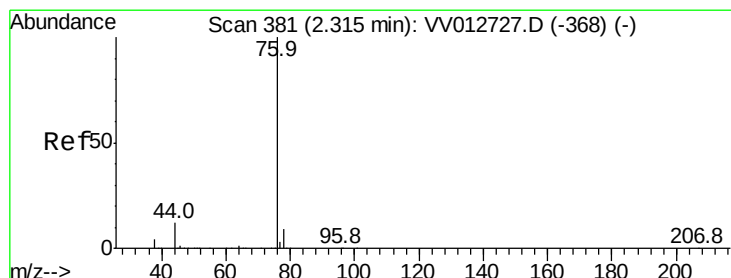
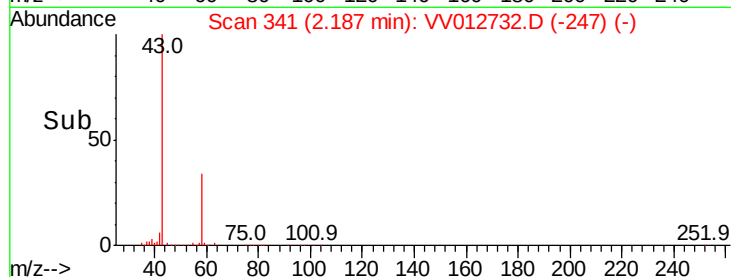
20000

10000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 6.254 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012732.D

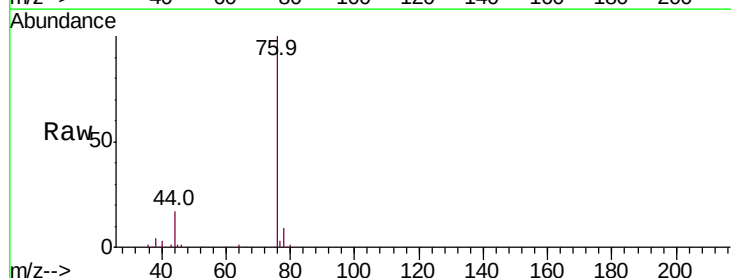
Acq: 13 Sep 2019 16:39

Tgt Ion: 76 Resp: 58087

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV012727.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012727.D (-368) (-)

2.32

40000

30000

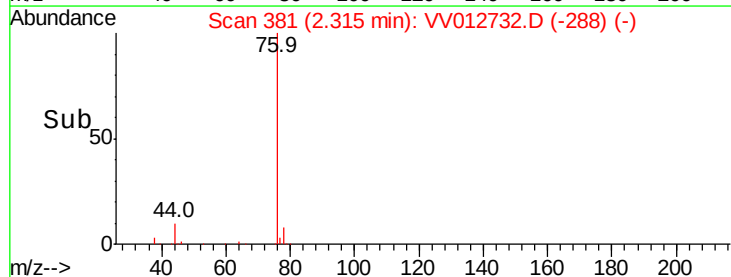
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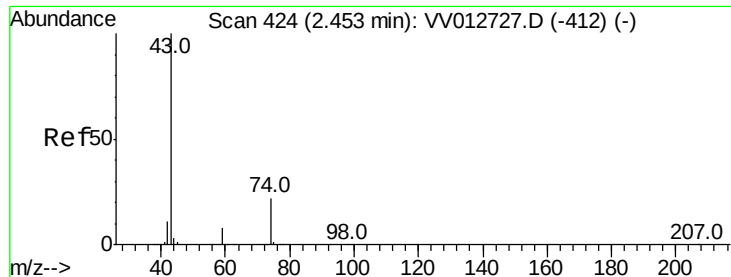
10000

0

2.25 2.30 2.35

Time-->

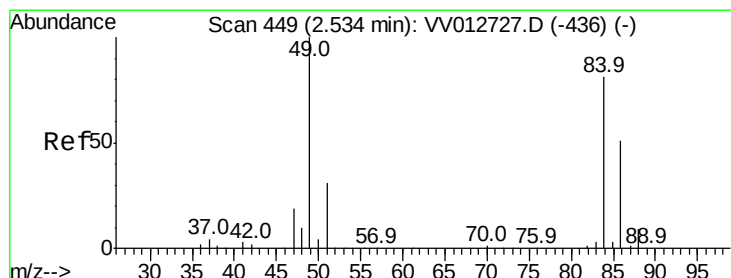
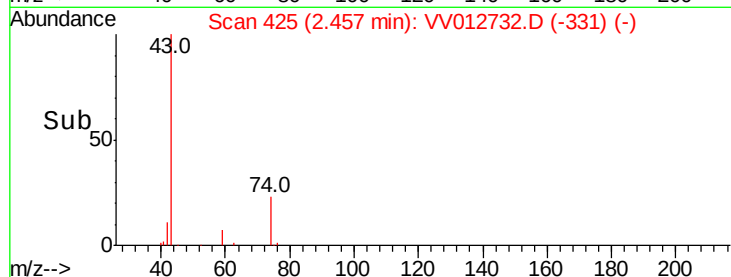
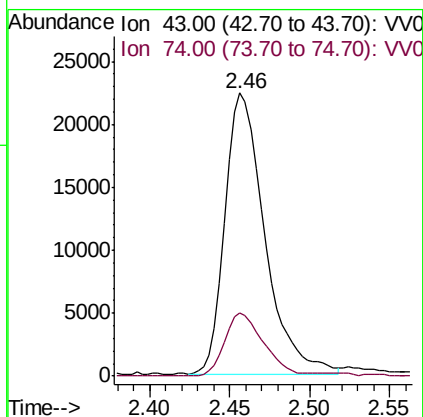
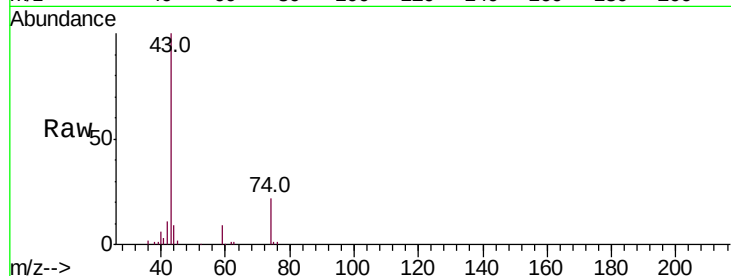




#15
Methvl Acetate
Concen: 6.086 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

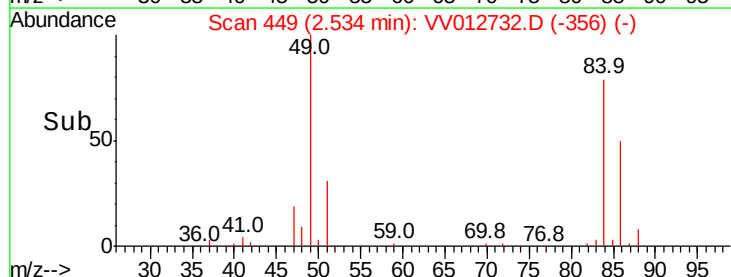
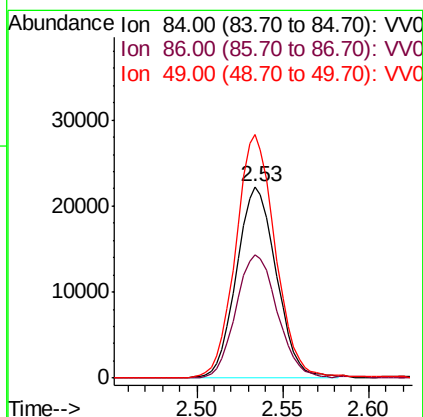
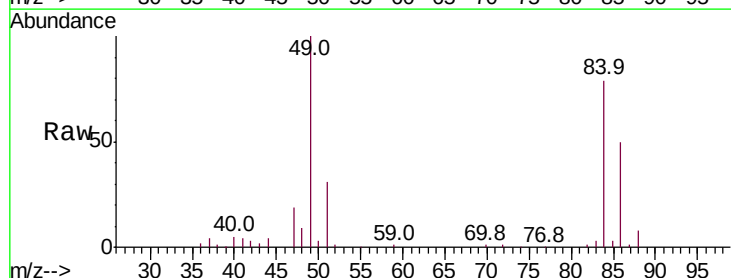
Instrument :
MSVOA_V
ClientSampled :

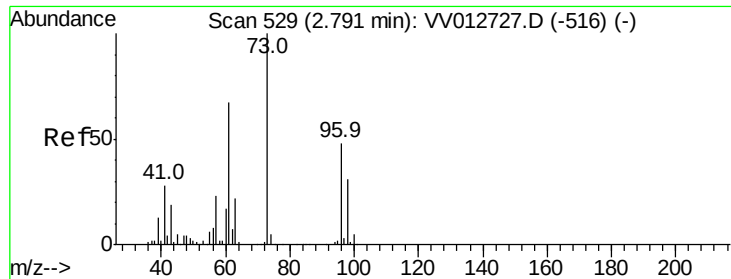
Tot Ion: 43 Resp: 37842
Ion Ratio Lower Upper
43 100
74 21.8 18.6 27.8



#16
Methylene chloride
Concen: 6.436 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Tgt Ion: 84 Resp: 35939
Ion Ratio Lower Upper
84 100
86 64.1 44.0 81.8
49 127.0 86.2 160.0

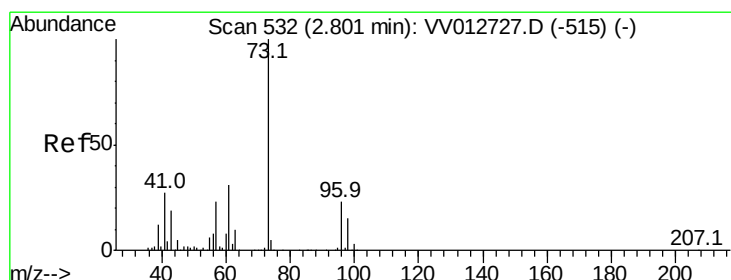
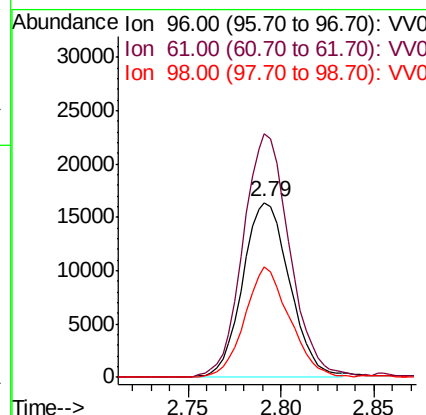
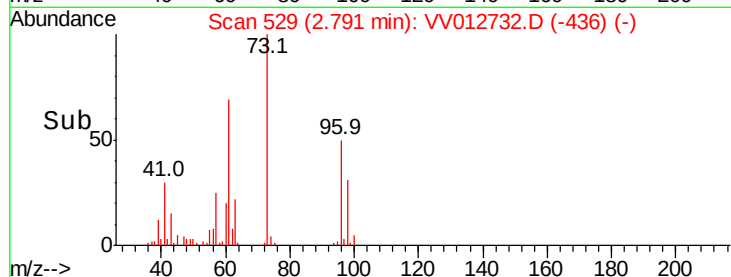
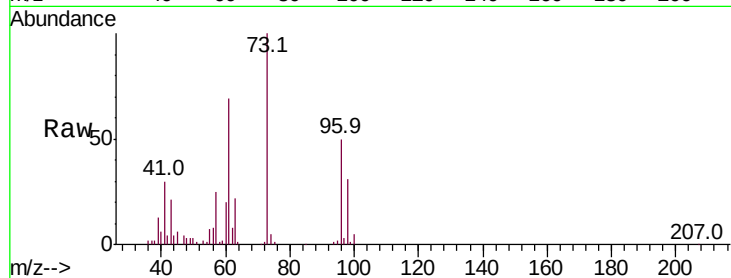




#17
trans-1,2-Dichloroethene
Concen: 6.189 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

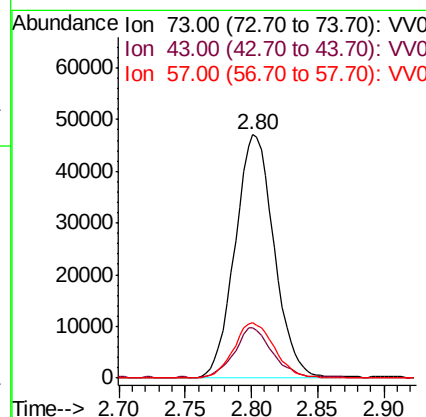
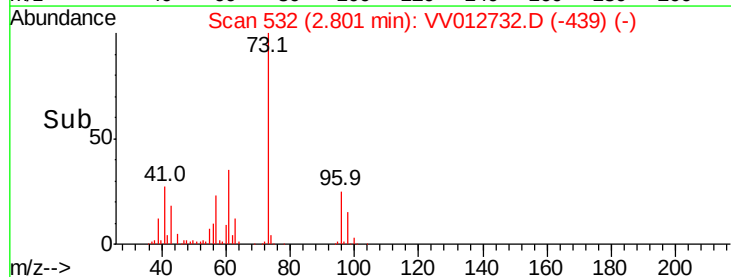
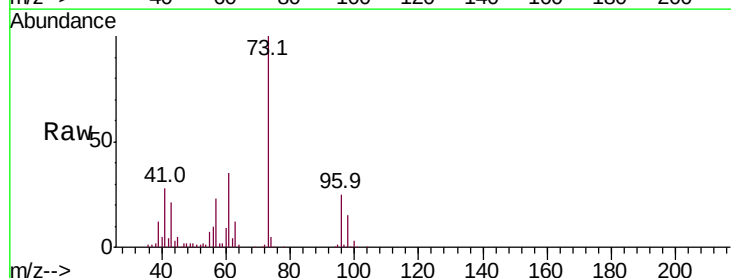
Instrument :
MSVOA_V
ClientSampled :

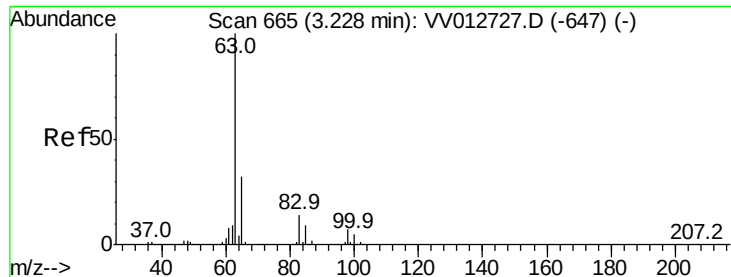
Tot Ion: 96 Resp: 28792
Ion Ratio Lower Upper
96 100
61 139.2 98.3 182.5
98 63.2 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 6.026 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Tgt Ion: 73 Resp: 96700
Ion Ratio Lower Upper
73 100
43 19.4 15.4 23.2
57 23.6 18.4 27.6

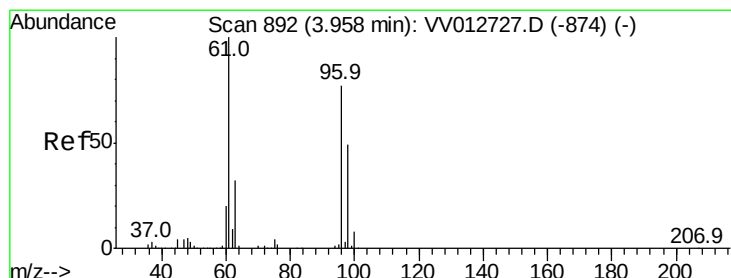
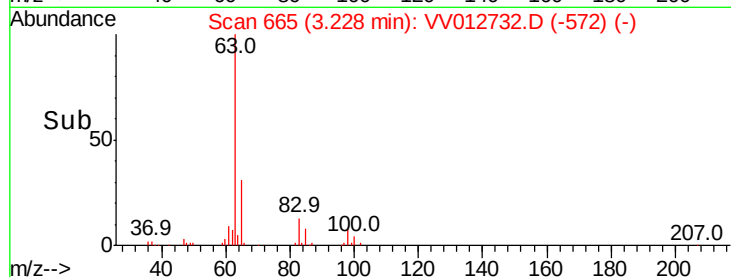
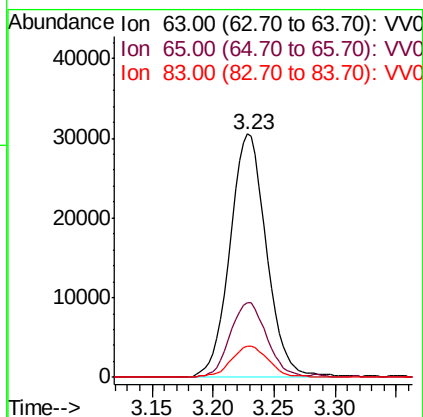
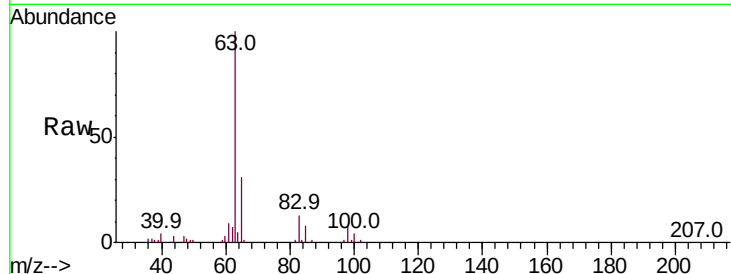




#19
 1,1-Dichloroethane
 Concen: 6.316 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

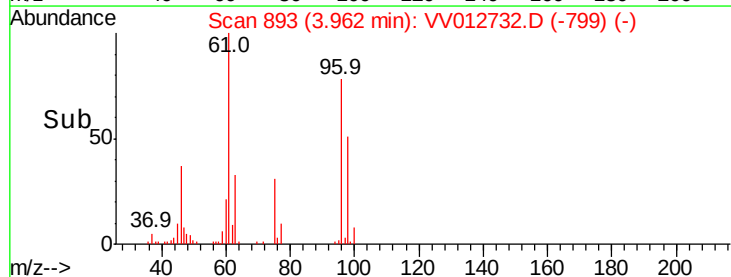
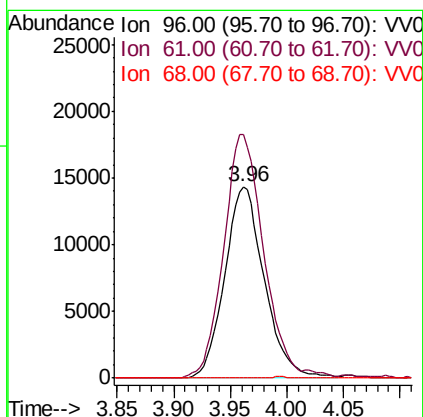
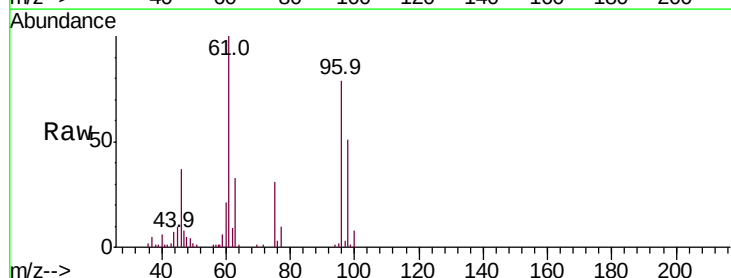
Instrument :
 MSVOA_V
 ClientSampleId :

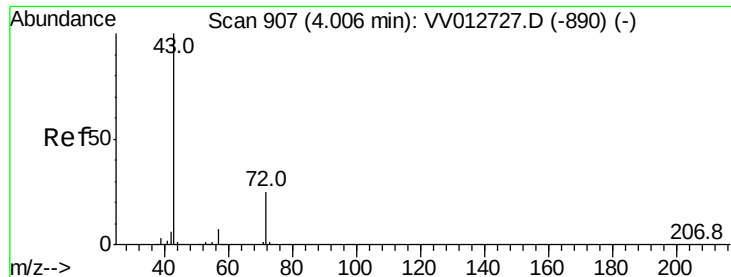
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.2	41.2
83	12.9	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 6.060 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.2	90.6	168.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 11.383 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

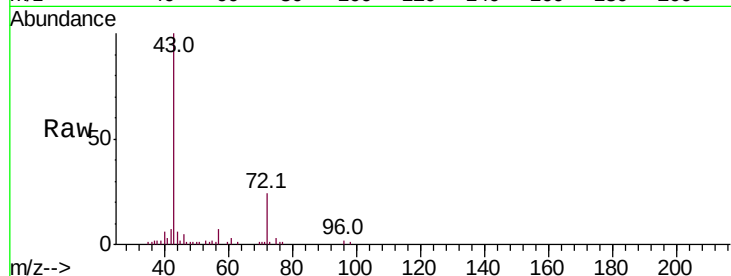
ClientSampleId :

Tot Ion: 43 Resp: 55394

Ion Ratio Lower Upper

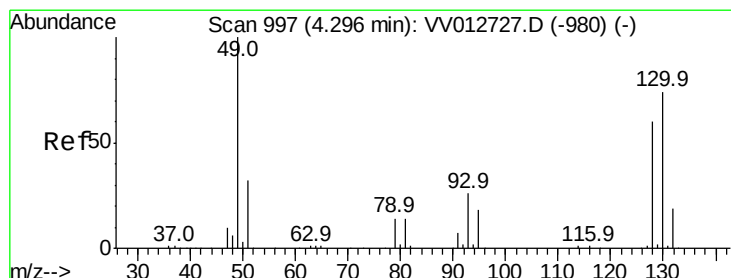
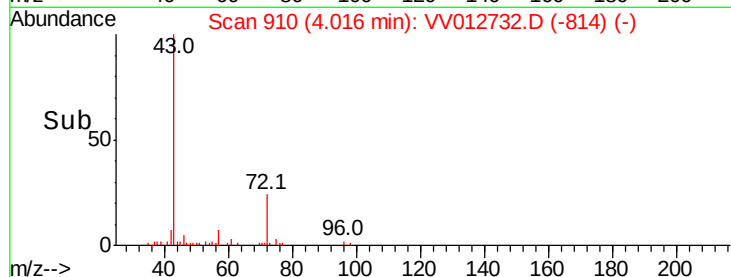
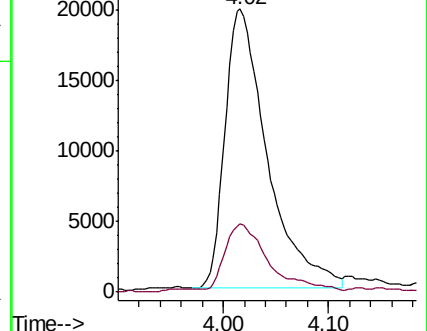
43 100

72 20.8 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VV012727.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV012727.D (-890) (-)



#23

Bromochloromethane

Concen: 6.350 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Tgt Ion: 128 Resp: 18568

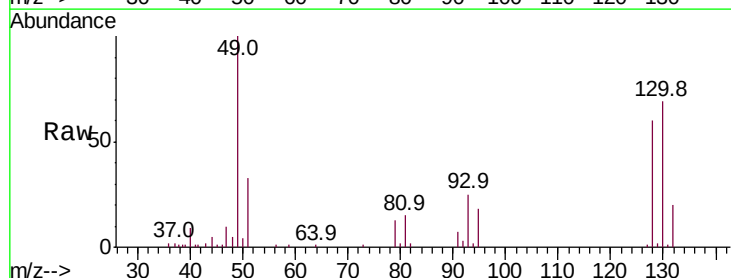
Ion Ratio Lower Upper

128 100

49 165.7 117.2 217.8

130 114.9 86.7 160.9

51 54.0 42.3 63.5

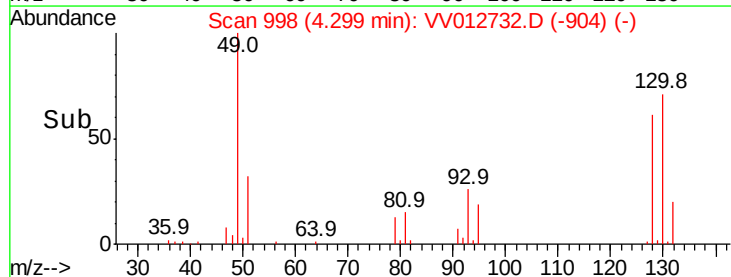
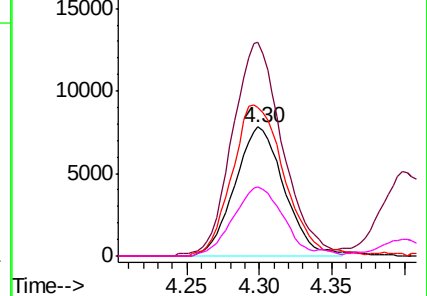


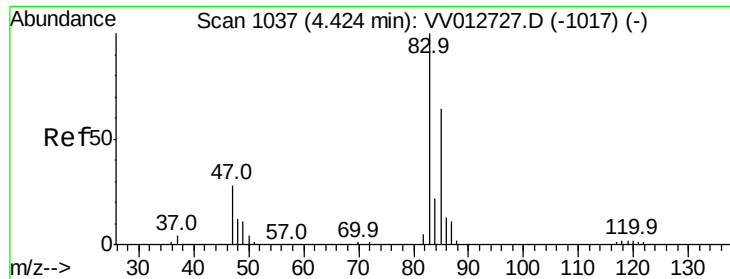
Abundance Ion 128.00 (127.70 to 128.70): VV012727.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV012727.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV012727.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV012727.D (-980) (-)

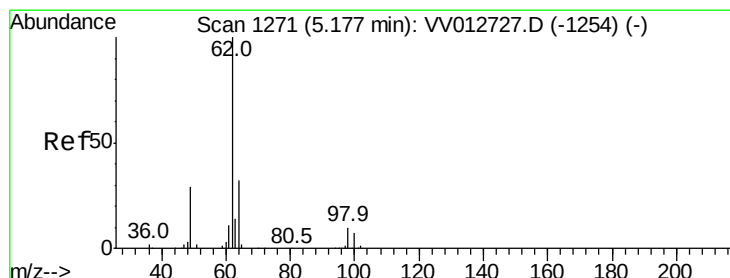
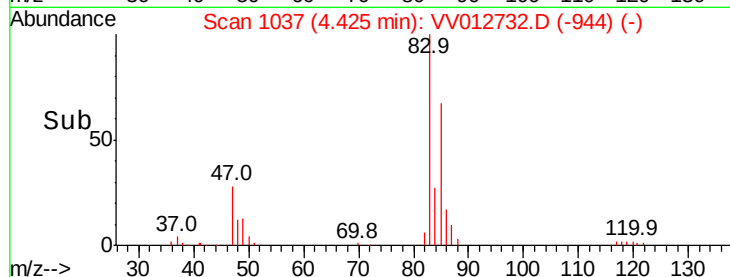
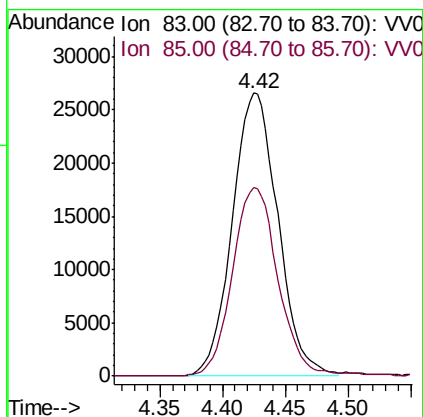
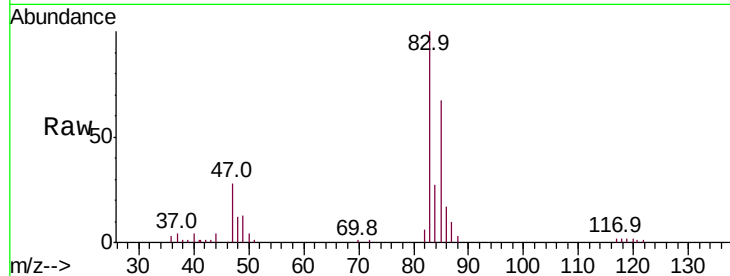




#25
 Chloroform
 Concen: 6.372 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

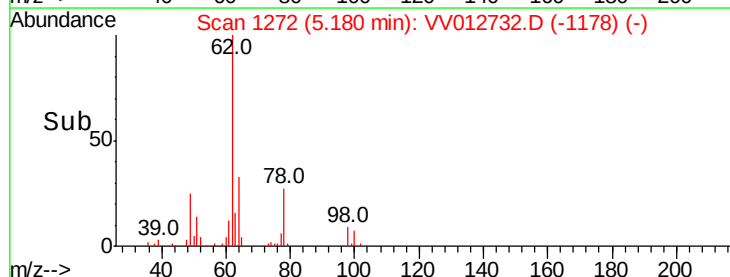
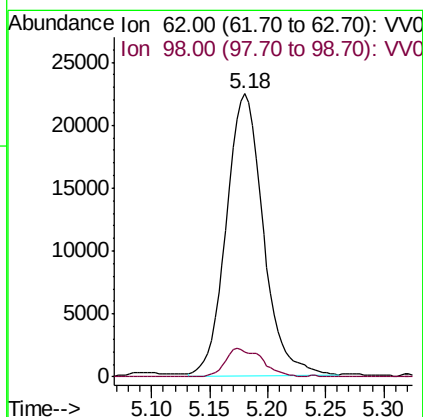
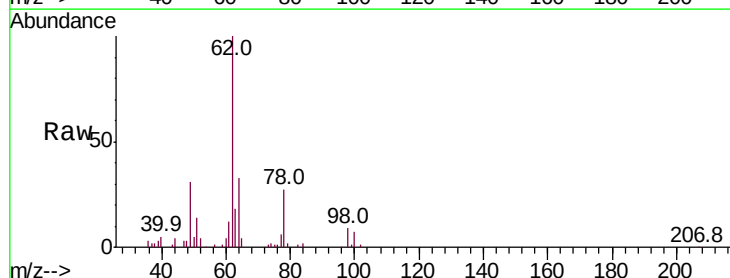
Instrument :
 MSVOA_V
 ClientSampled :

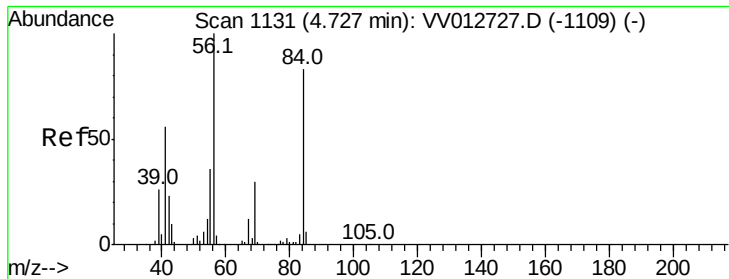
Tot Ion: 83 Resp: 67311
 Ion Ratio Lower Upper
 83 100
 85 66.6 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 6.306 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion: 62 Resp: 49858
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.7 11.5





#29

Cyclohexane

Concen: 5.679 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :

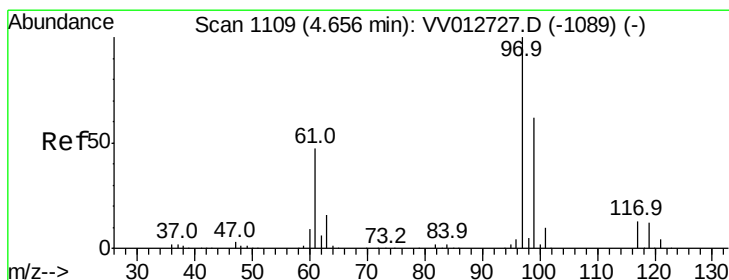
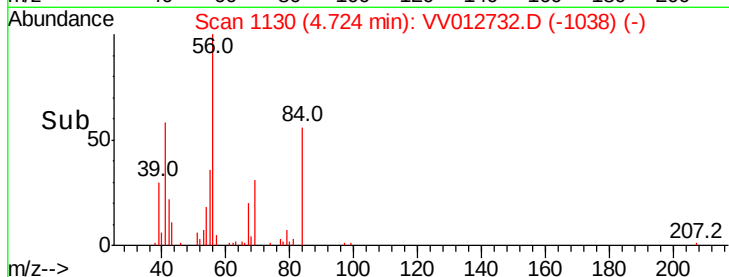
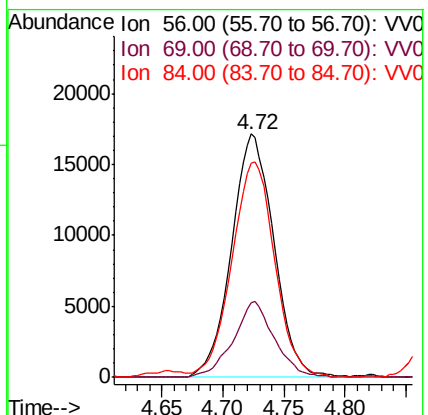
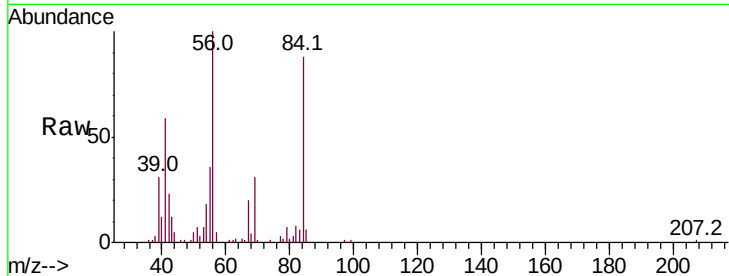
Tot Ion: 56 Resp: 41287

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 89.8 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 6.171 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

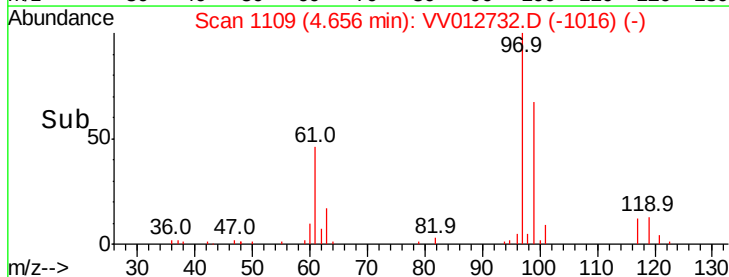
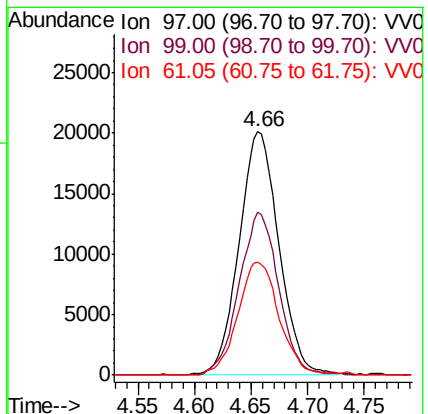
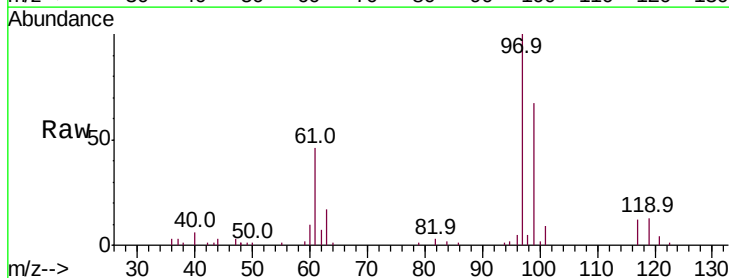
Tgt Ion: 97 Resp: 49416

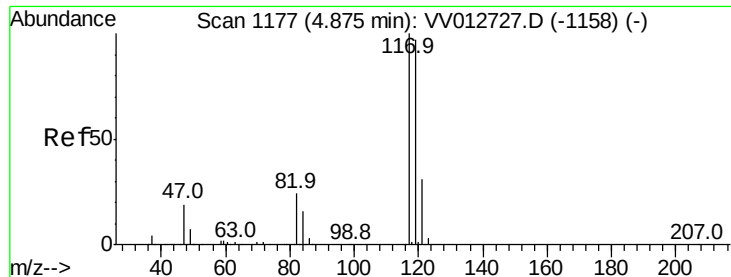
Ion Ratio Lower Upper

97 100

99 65.8 50.6 75.8

61 47.8 37.8 56.8





#31

Carbon tetrachloride

Concen: 6.224 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

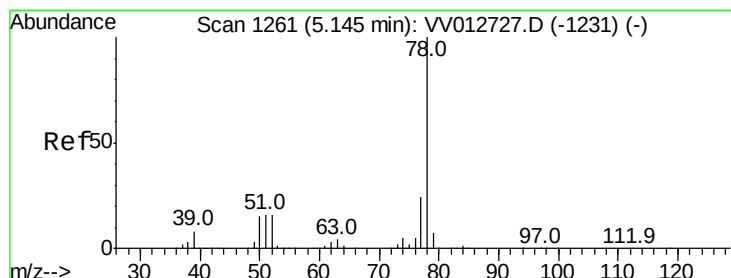
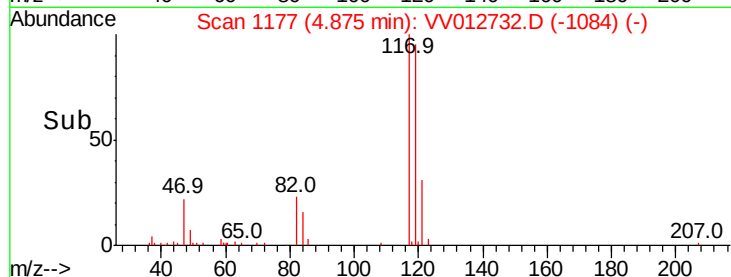
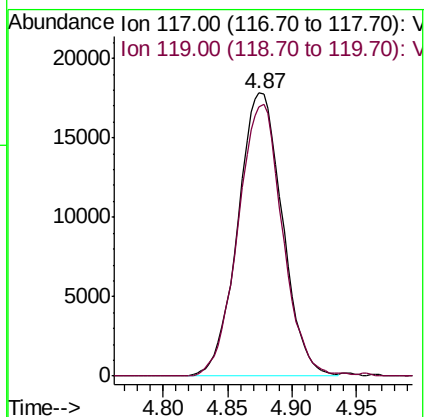
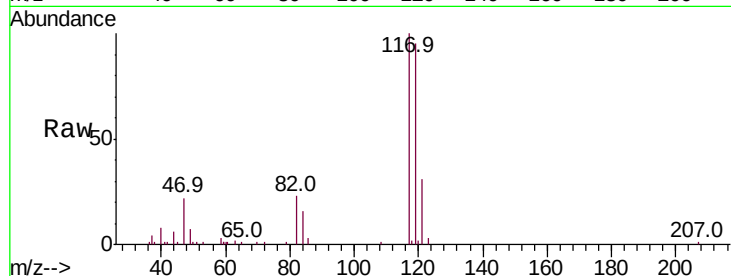
ClientSampleId :

Tot Ion:117 Resp: 42913

Ion Ratio Lower Upper

117 100

119 95.7 77.1 115.7



#33

Benzene

Concen: 6.074 ug/L

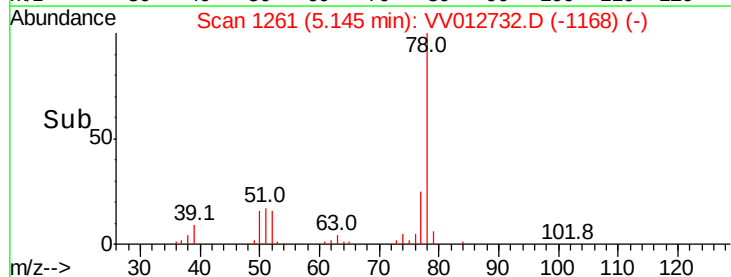
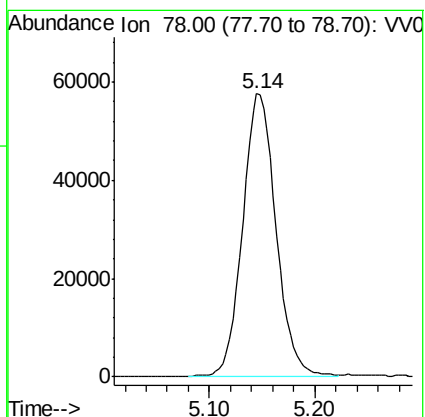
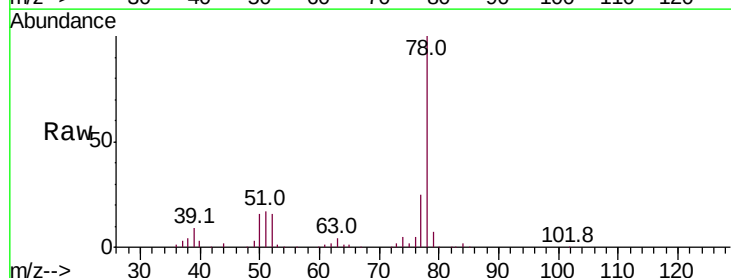
RT: 5.14 min Scan# 1261

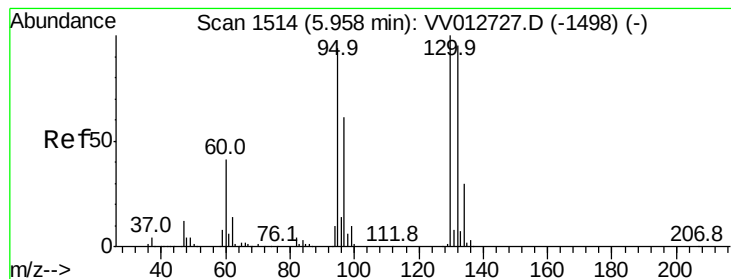
Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Tgt Ion: 78 Resp: 126521





#34

Trichloroethene

Concen: 6.452 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 39069

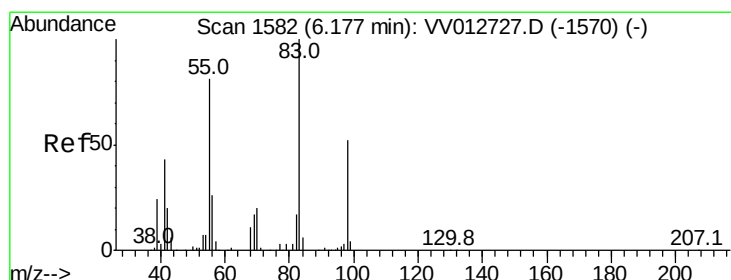
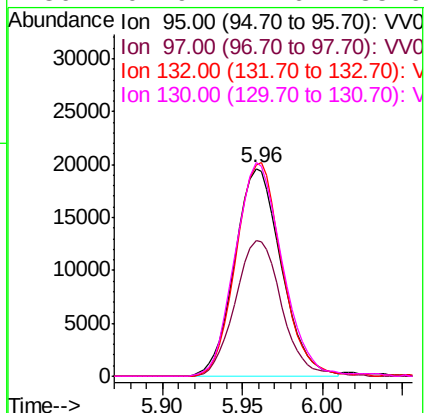
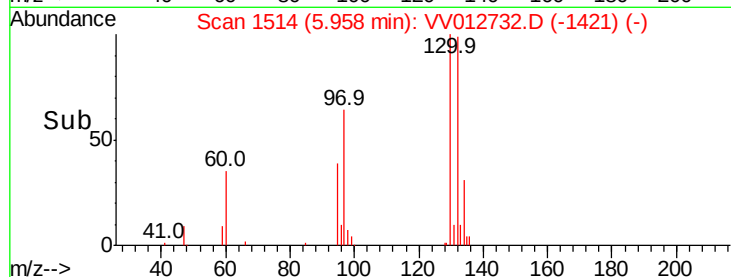
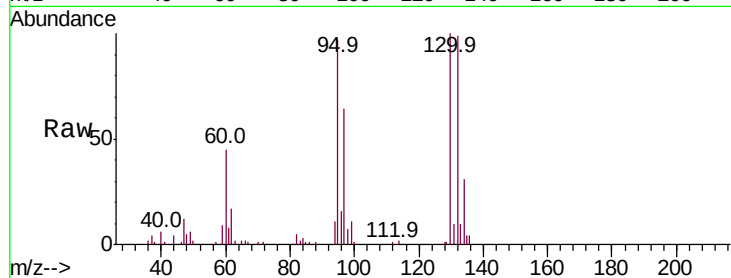
Ion Ratio Lower Upper

95 100

97 65.6 45.1 83.9

132 102.1 70.6 131.0

130 102.9 74.6 138.6



#35

Methylcyclohexane

Concen: 5.750 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

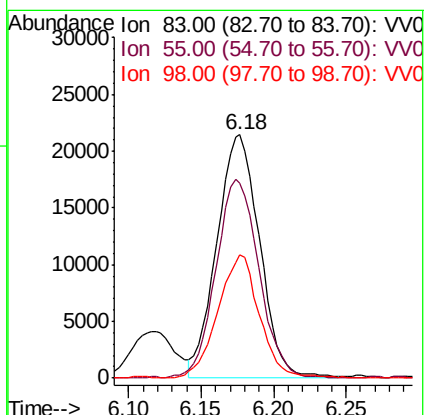
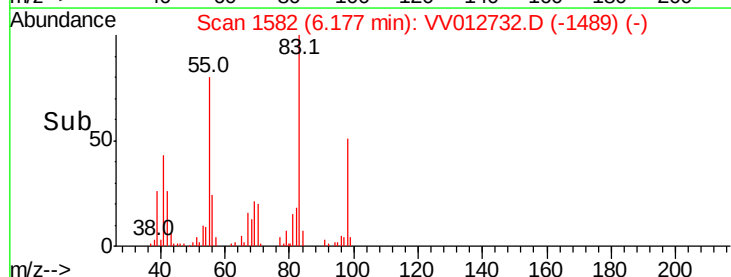
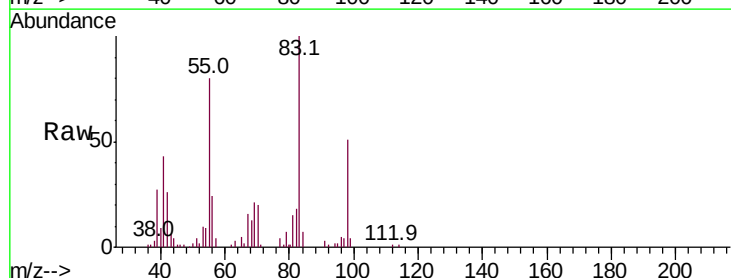
Tgt Ion: 83 Resp: 43920

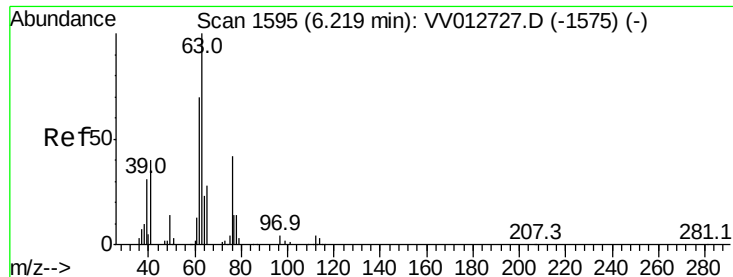
Ion Ratio Lower Upper

83 100

55 82.2 62.2 93.2

98 48.5 39.4 59.0

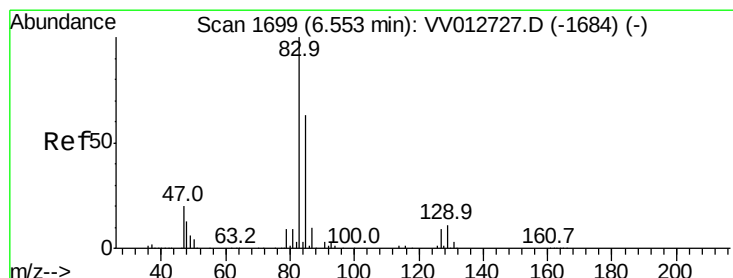
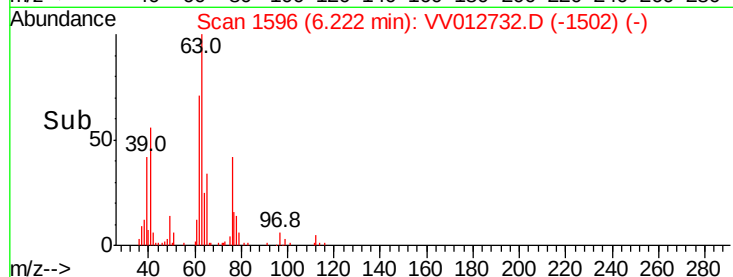
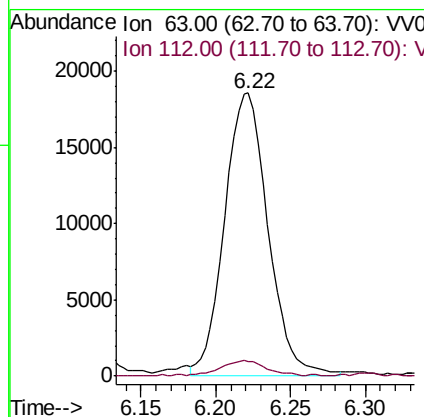
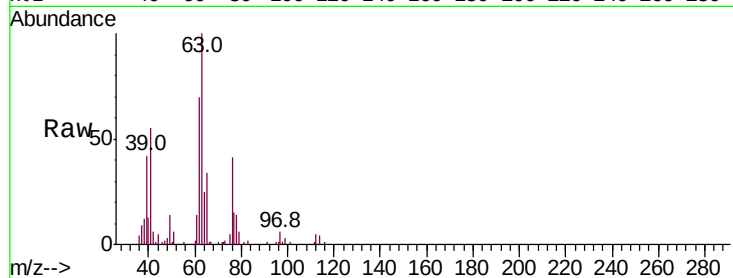




#37
 1,2-Dichloropropane
 Concen: 6.293 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

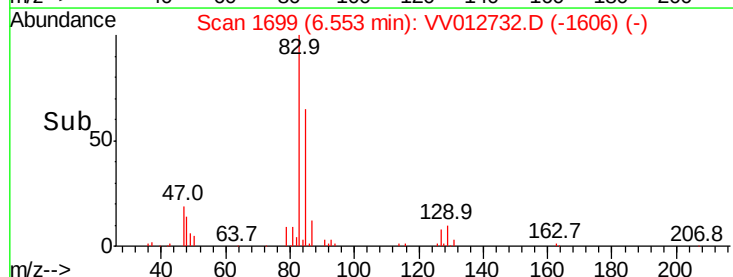
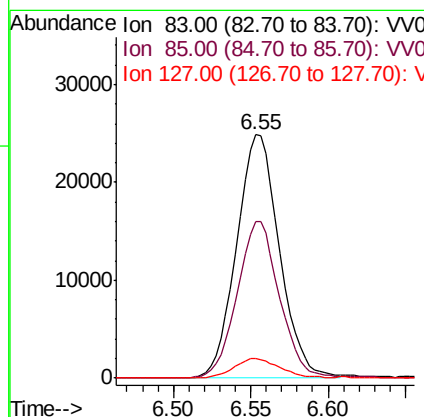
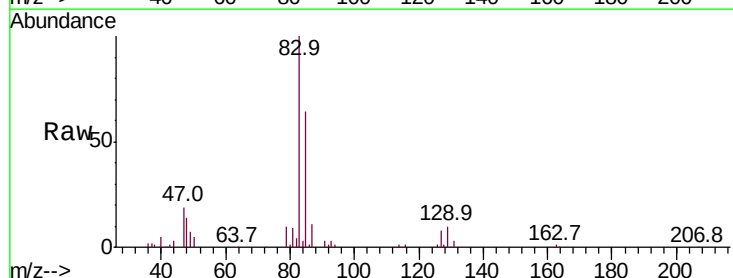
Instrument :
 MSVOA_V
 ClientSampleId :

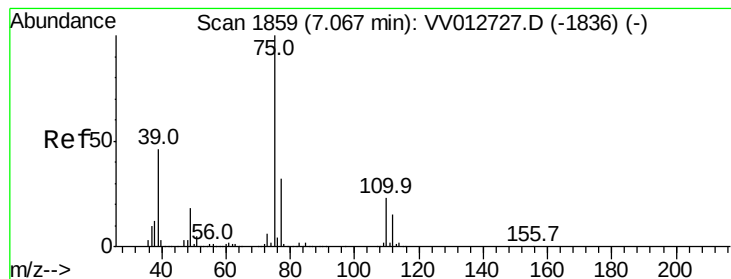
Tot Ion: 63 Resp: 37700
 Ion Ratio Lower Upper
 63 100
 112 5.8 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 6.208 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion: 83 Resp: 47873
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.4 82.5
 127 8.2 7.0 10.4



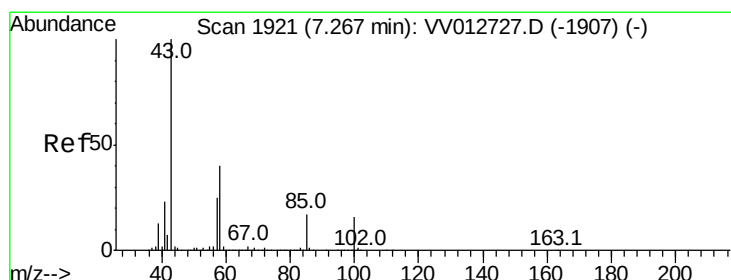
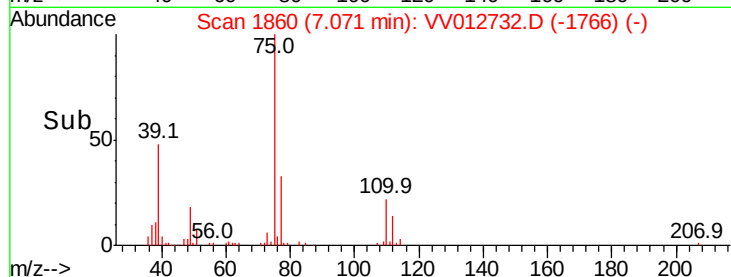
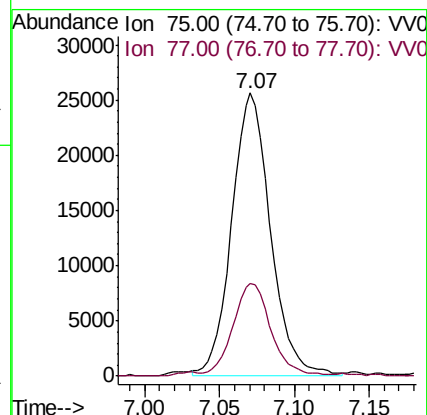
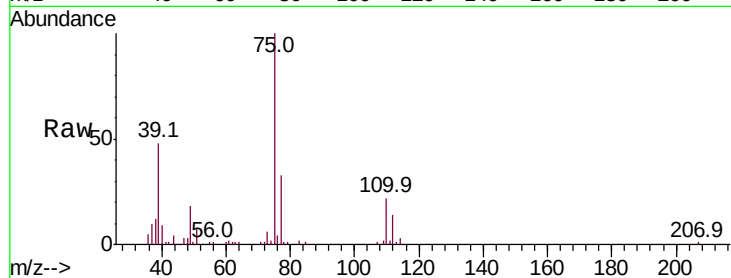


#39

cis-1,3-Dichloropropene
Concen: 5.530 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Instrument :
MSVOA_V
ClientSampleId :

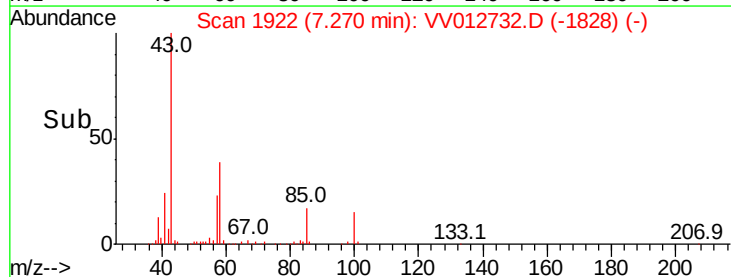
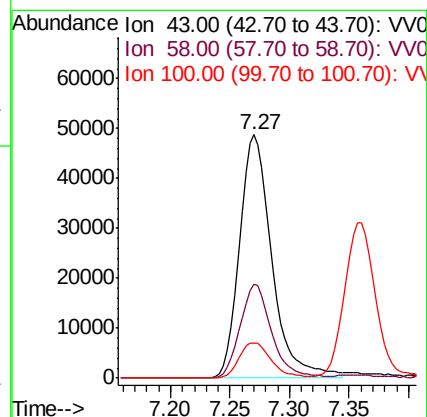
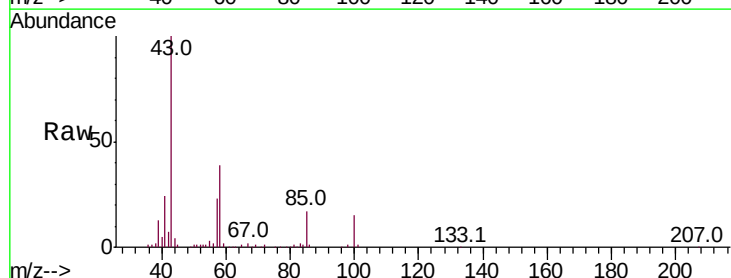
Tot Ion: 75 Resp: 46384
Ion Ratio Lower Upper
75 100
77 32.7 22.1 41.1

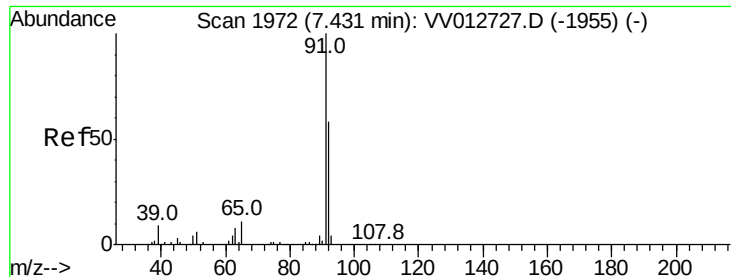


#40

4-Methyl-2-pentanone
Concen: 11.095 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Tgt Ion: 43 Resp: 91989
Ion Ratio Lower Upper
43 100
58 37.7 31.3 46.9
100 14.4 12.4 18.6





#42

Toluene

Concen: 5.777 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

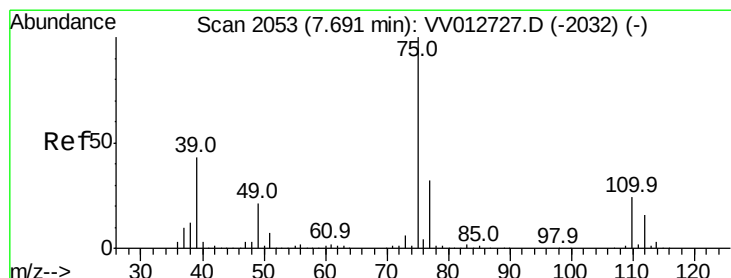
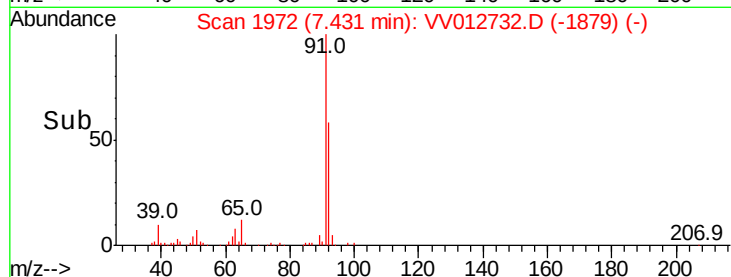
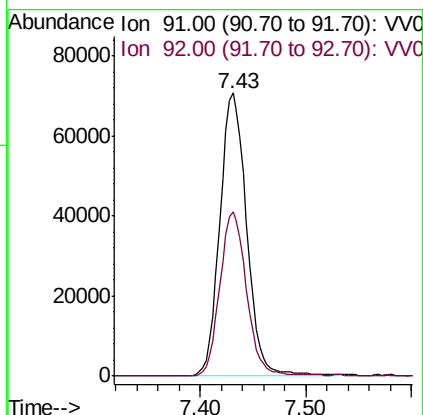
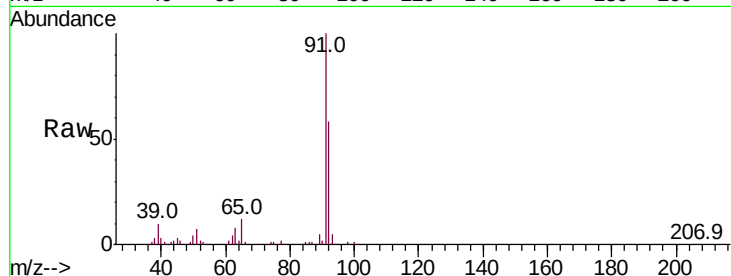
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 124977

Ion Ratio Lower Upper

91 100

92 58.2 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 5.473 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012732.D

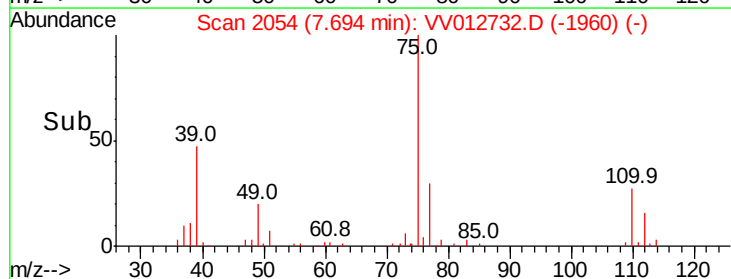
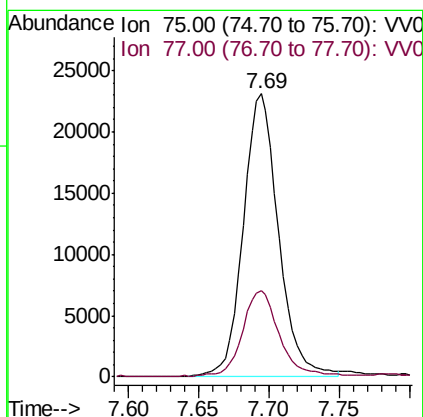
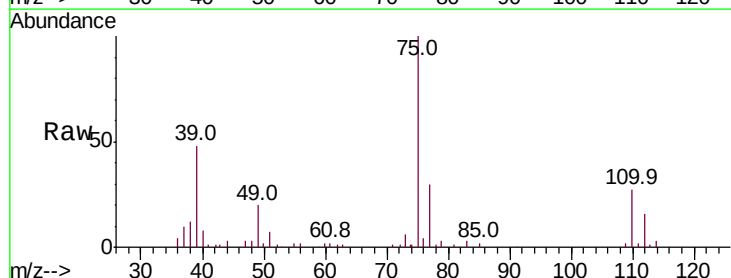
Acq: 13 Sep 2019 16:39

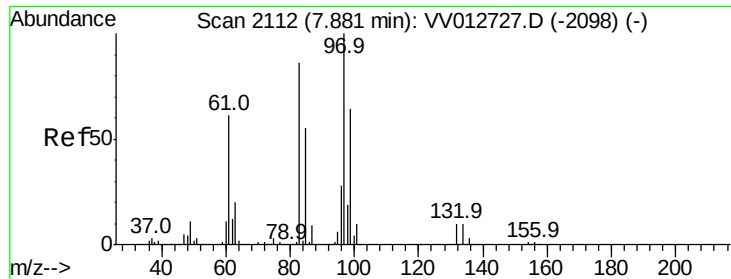
Tgt Ion: 75 Resp: 40467

Ion Ratio Lower Upper

75 100

77 30.5 22.1 41.1



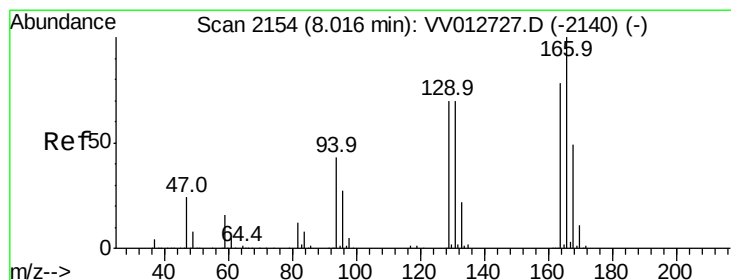
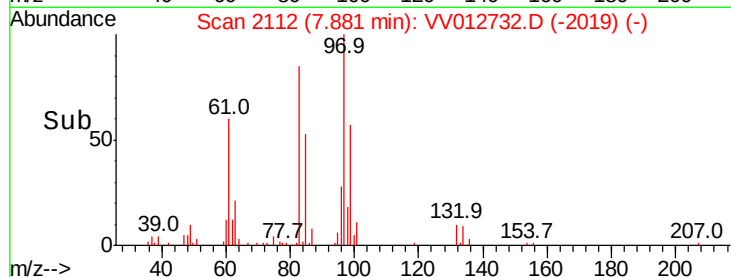
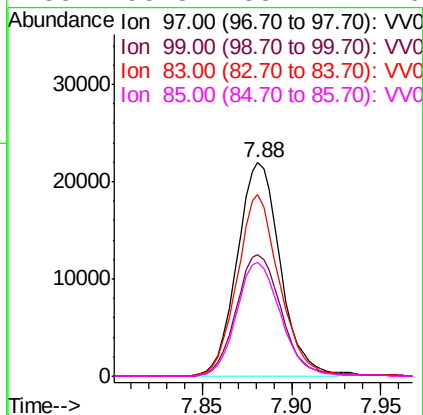
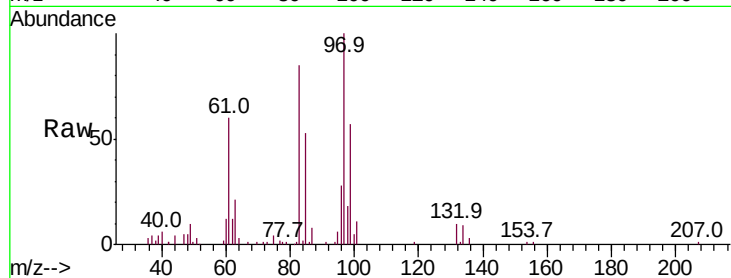


#45
 1,1,2-Trichloroethane
 Concen: 6.342 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 37069

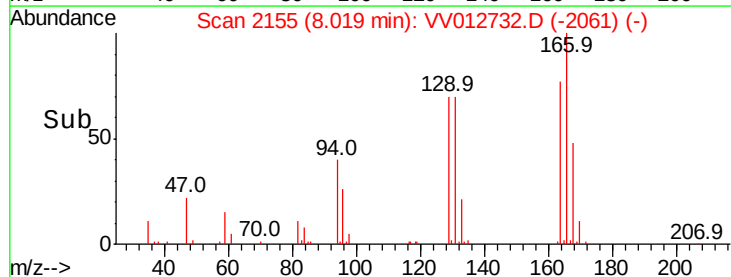
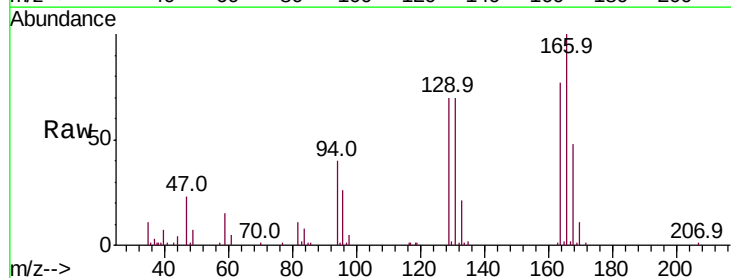
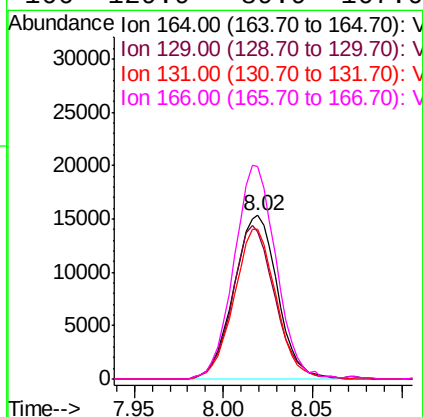
Ion	Ratio	Lower	Upper
97	100		
99	56.9	44.6	82.8
83	85.4	59.9	111.3
85	53.3	38.7	71.9

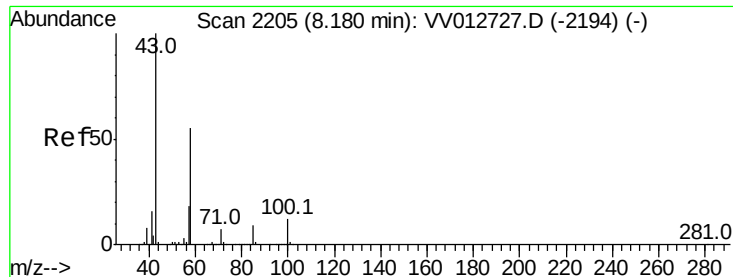


#46
 Tetrachloroethene
 Concen: 6.248 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion: 164 Resp: 26242

Ion	Ratio	Lower	Upper
164	100		
129	90.3	62.7	116.5
131	91.6	62.7	116.5
166	129.9	89.9	167.0

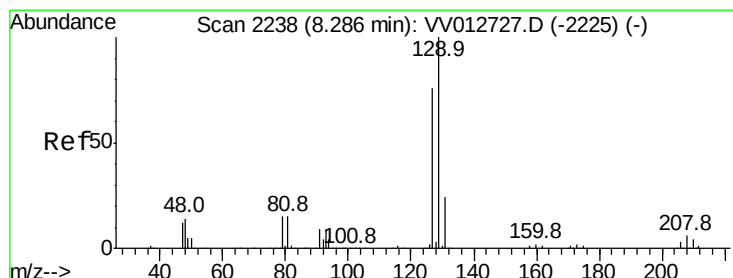
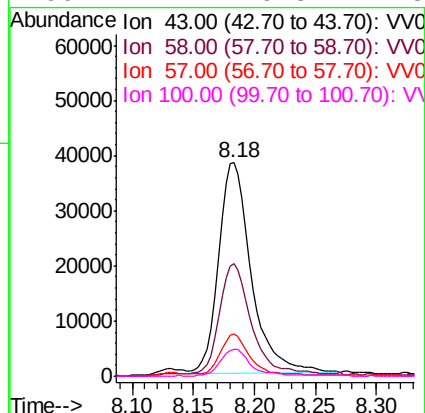
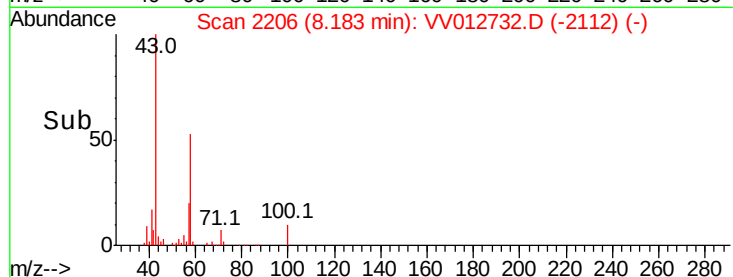
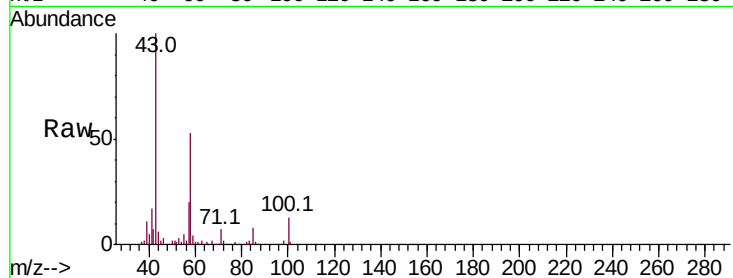




#48
2-Hexanone
Concen: 10.531 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

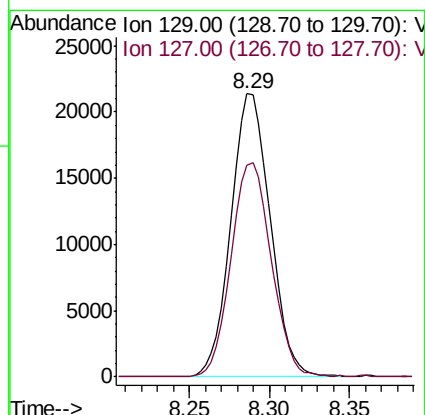
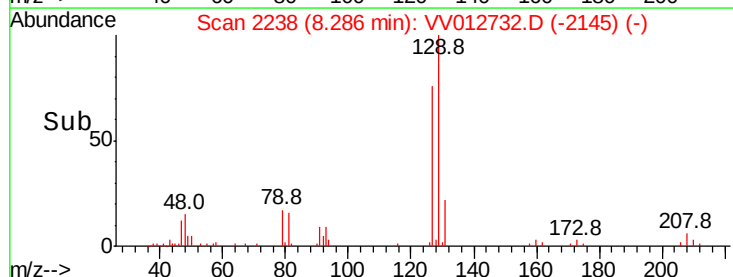
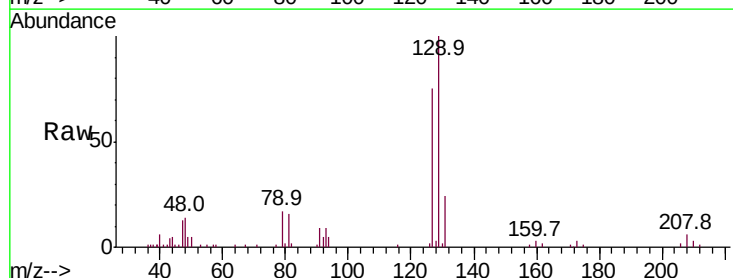
Instrument :
MSVOA_V
ClientSampleId :

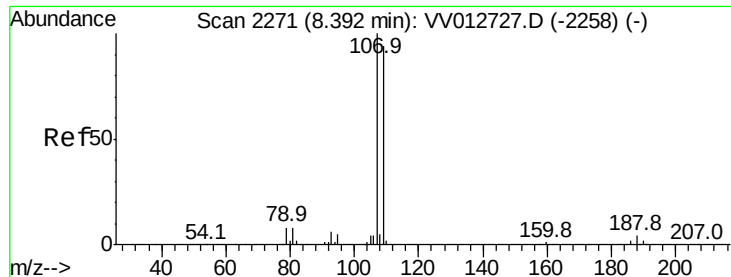
Tot Ion: 43 Resp: 71786
Ion Ratio Lower Upper
43 100
58 54.2 43.8 65.8
57 17.0 14.3 21.5
100 12.1 9.8 14.8



#49
Dibromochloromethane
Concen: 5.851 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Tgt Ion: 129 Resp: 35834
Ion Ratio Lower Upper
129 100
127 74.9 53.0 98.4

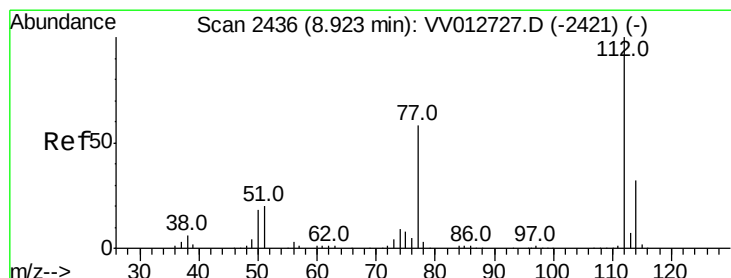
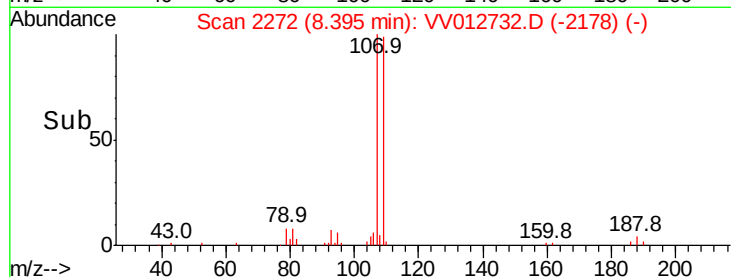
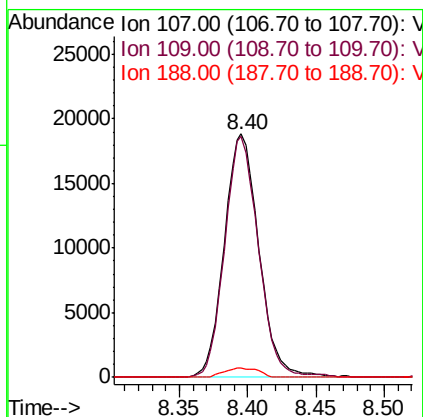
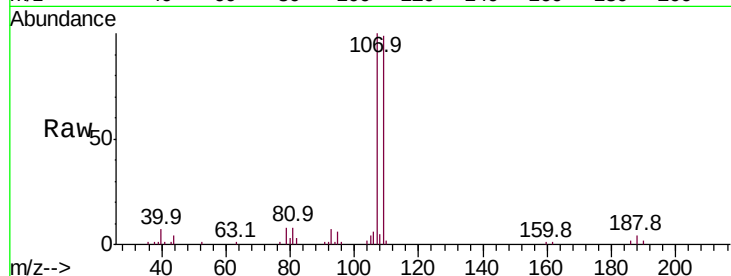




#50
 1,2-Dibromoethane
 Concen: 5.899 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

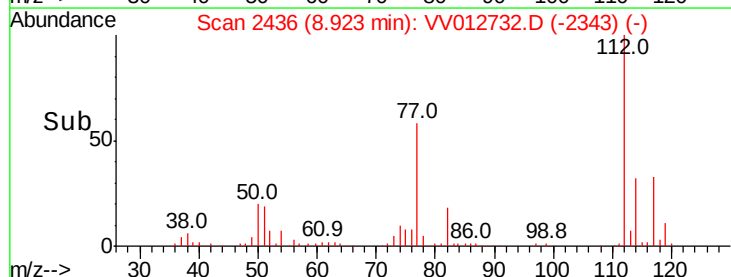
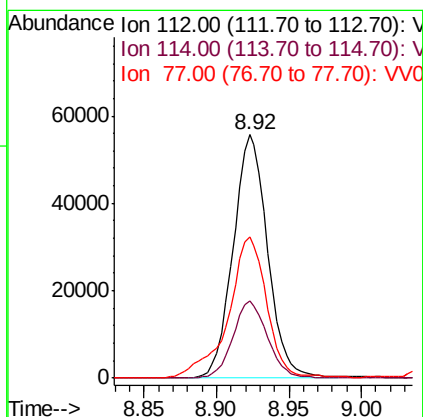
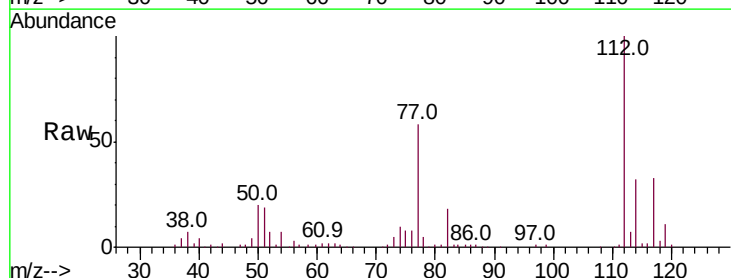
Instrument :
 MSVOA_V
 ClientSampleId :

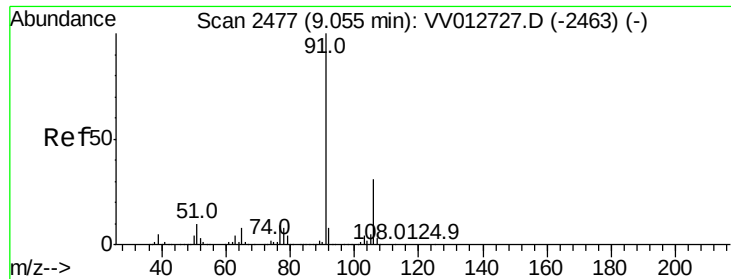
Tot Ion:107 Resp: 33216
 Ion Ratio Lower Upper
 107 100
 109 99.0 65.7 121.9
 188 3.7 3.3 4.9



#51
 Chlorobenzene
 Concen: 6.184 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion:112 Resp: 91648
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.4 41.6
 77 57.8 46.7 70.1





#52

Ethylbenzene

Concen: 5.643 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

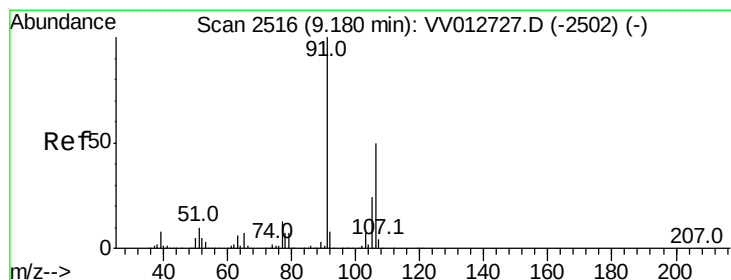
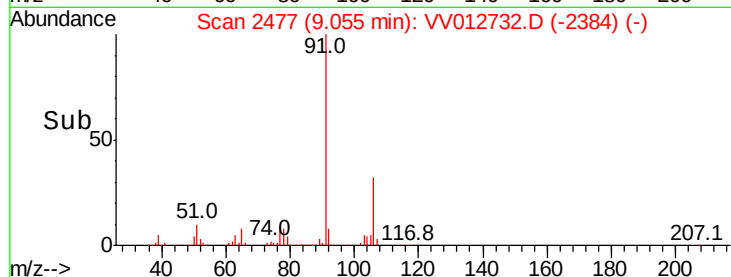
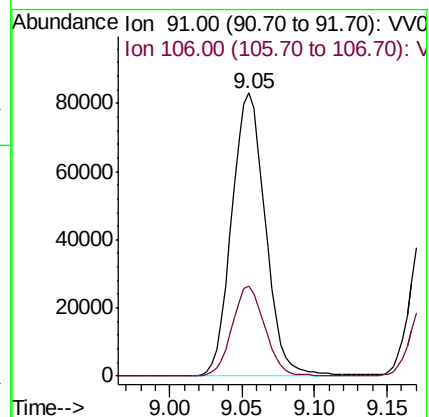
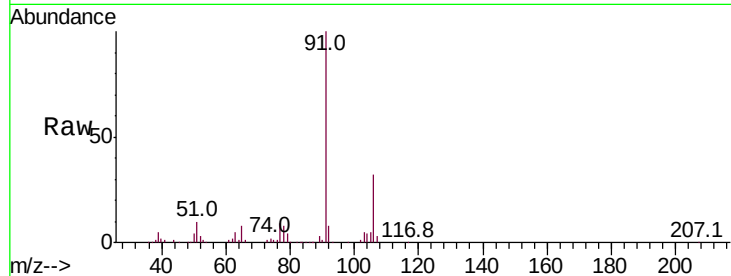
ClientSampleId :

Tot Ion: 91 Resp: 134191

Ion Ratio Lower Upper

91 100

106 31.7 21.4 39.8



#53

m,p-Xylene

Concen: 5.380 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012732.D

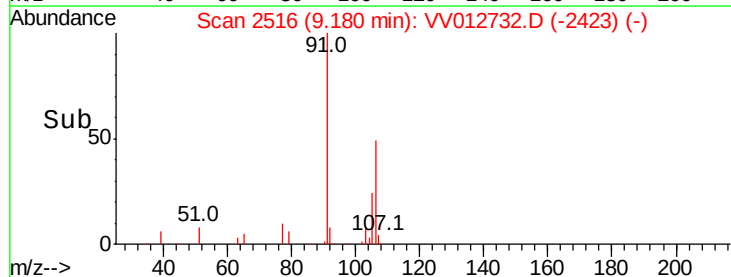
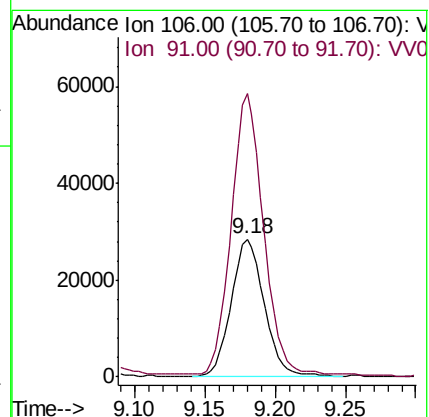
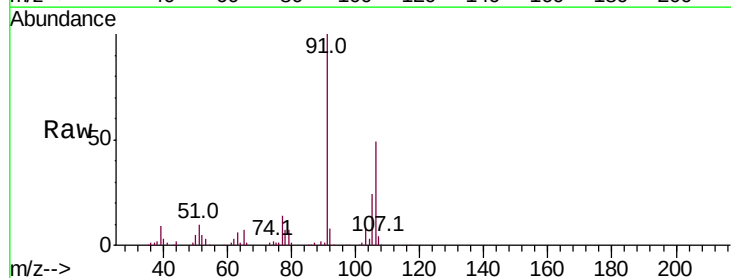
Acq: 13 Sep 2019 16:39

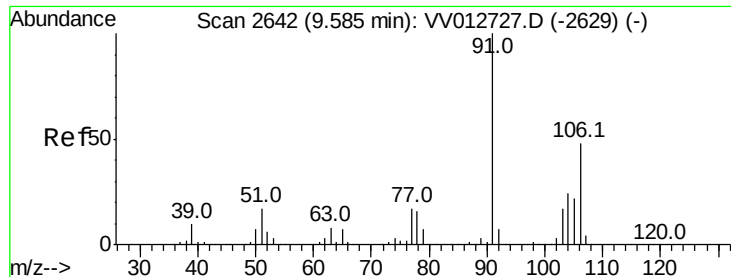
Tgt Ion: 106 Resp: 47120

Ion Ratio Lower Upper

106 100

91 205.6 139.9 259.7

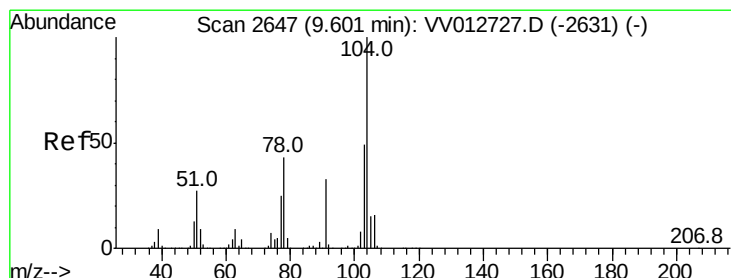
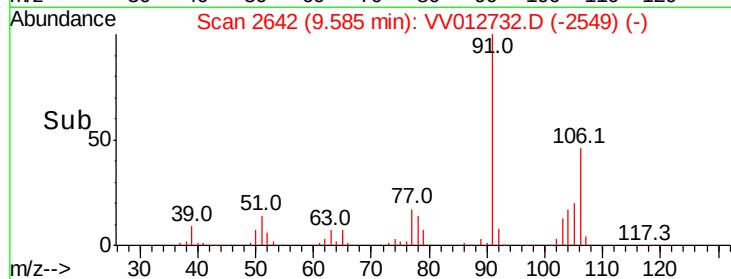
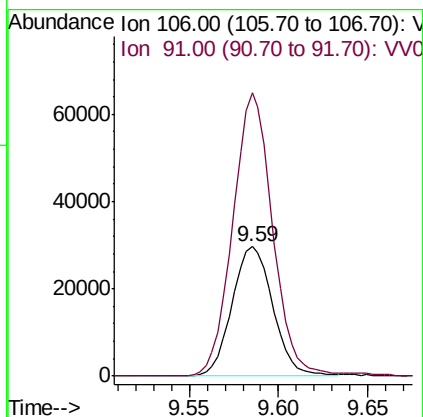
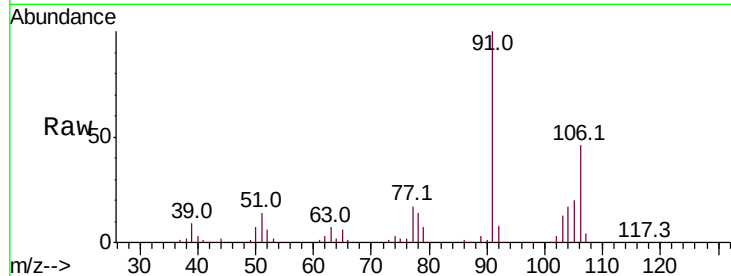




#54
o-xylene
Concen: 5.353 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

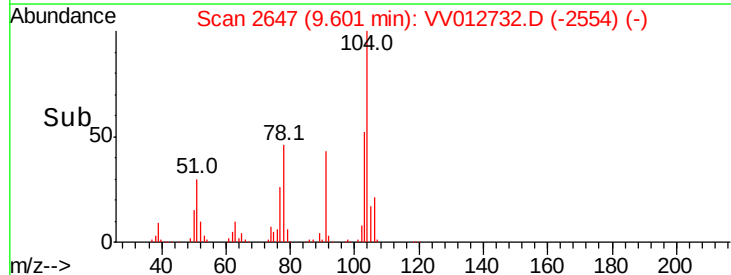
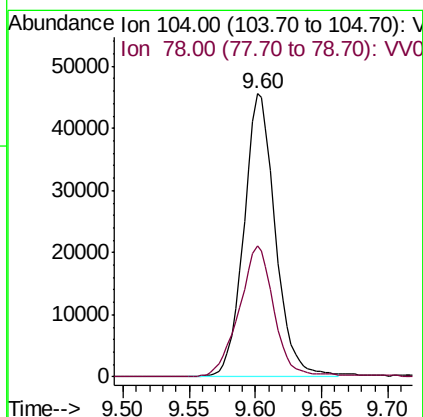
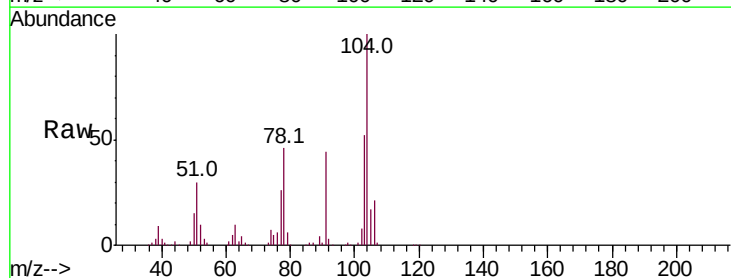
Instrument :
MSVOA_V
ClientSampled :

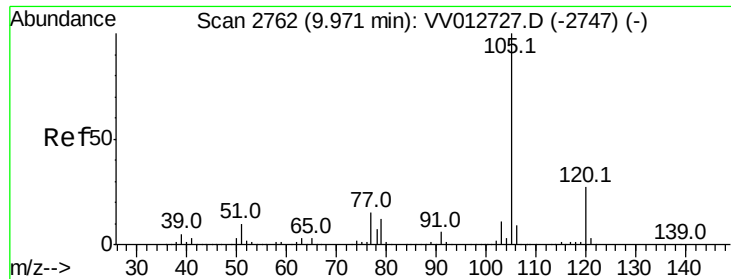
Tot Ion:106 Resp: 47592
Ion Ratio Lower Upper
106 100
91 218.7 146.5 272.1



#55
Styrene
Concen: 4.992 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012732.D
Acq: 13 Sep 2019 16:39

Tgt Ion:104 Resp: 75277
Ion Ratio Lower Upper
104 100
78 46.3 30.0 55.6





#56

Isopropylbenzene

Concen: 5.334 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

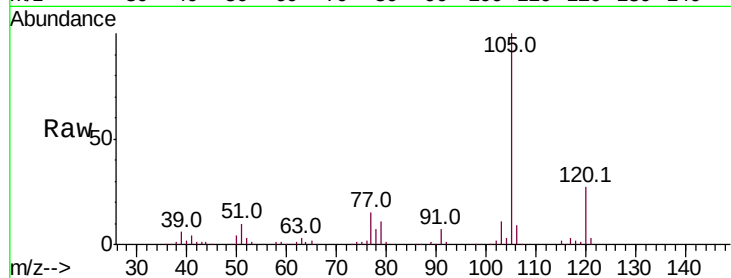
Tot Ion:105 Resp: 124617

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

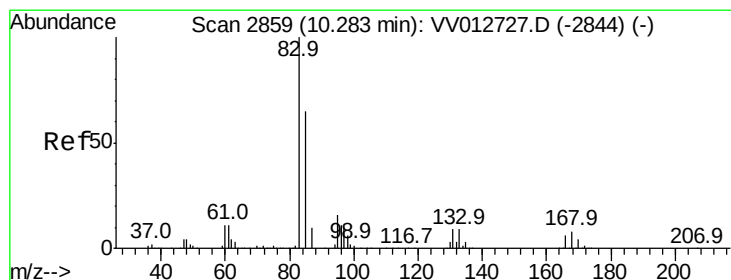
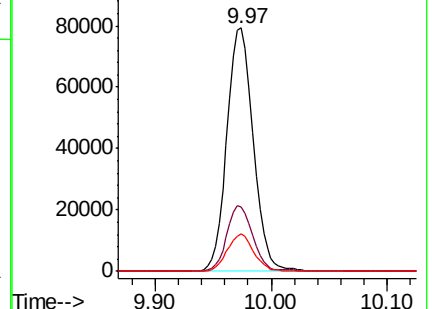
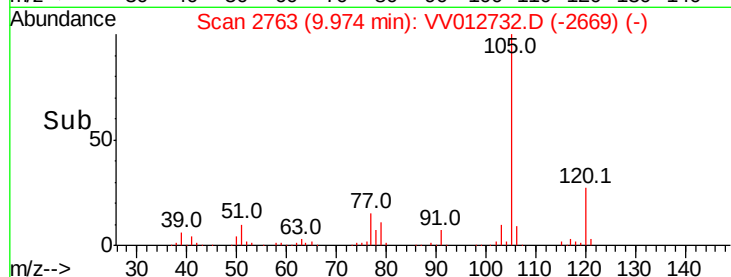
77 15.3 12.4 18.6



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: 5.697 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

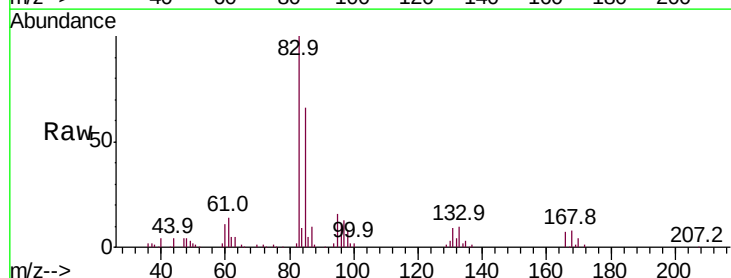
Tgt Ion: 83 Resp: 45465

Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.4

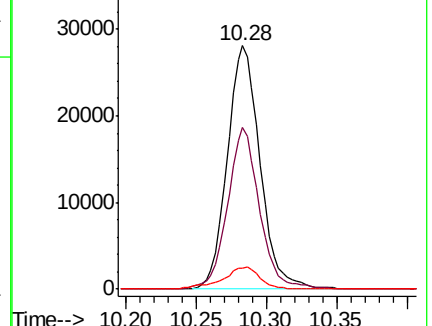
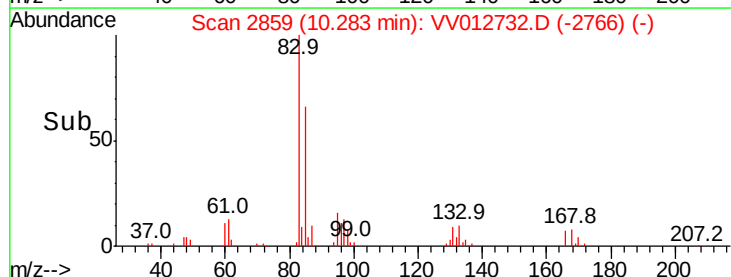
131 8.8 7.6 11.4

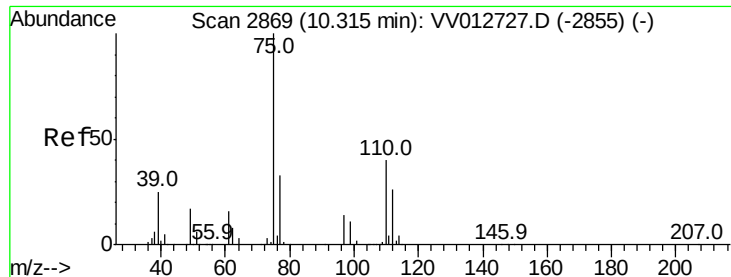


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.098 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

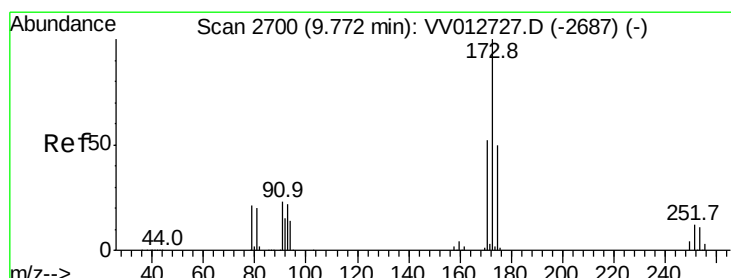
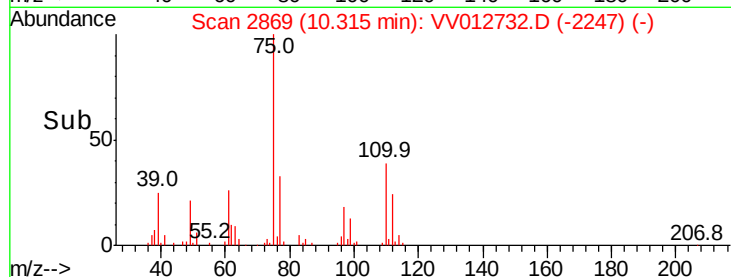
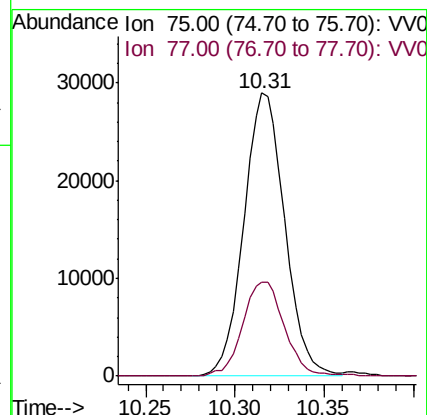
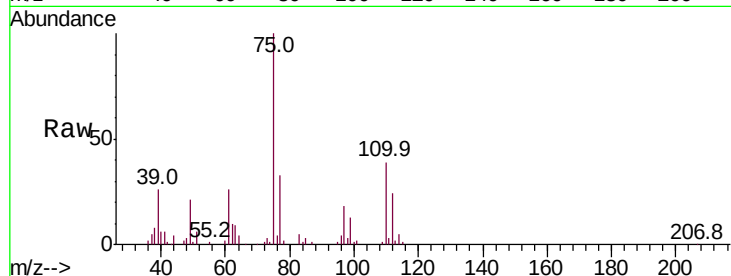
ClientSampleId :

Tot Ion: 75 Resp: 46498

Ion Ratio Lower Upper

75 100

77 33.9 25.9 38.9



#61

Bromoform

Concen: 6.170 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

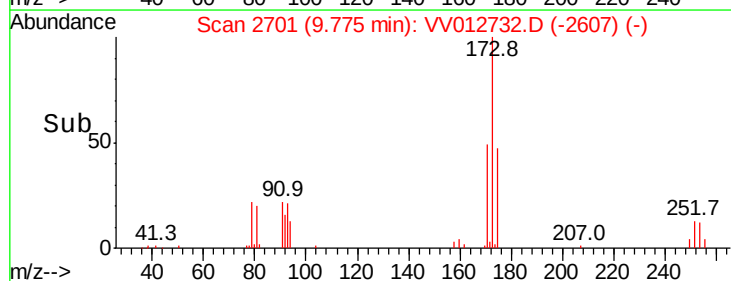
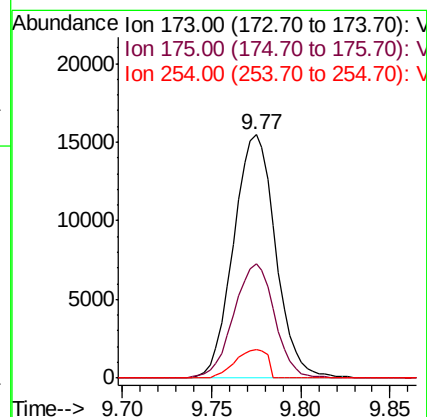
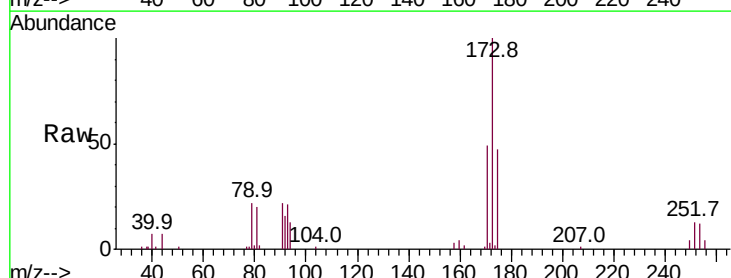
Tgt Ion: 173 Resp: 25474

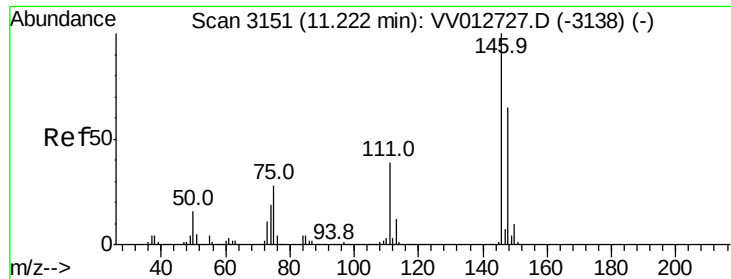
Ion Ratio Lower Upper

173 100

175 45.5 39.3 58.9

254 8.8 8.9 13.3#

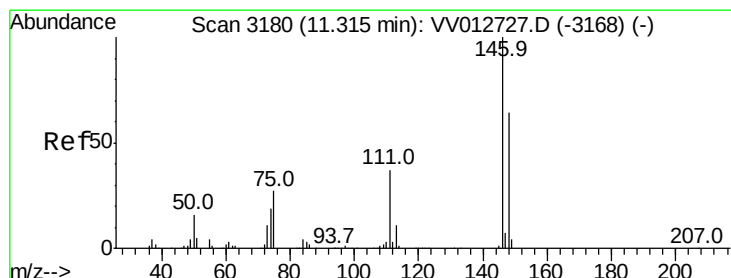
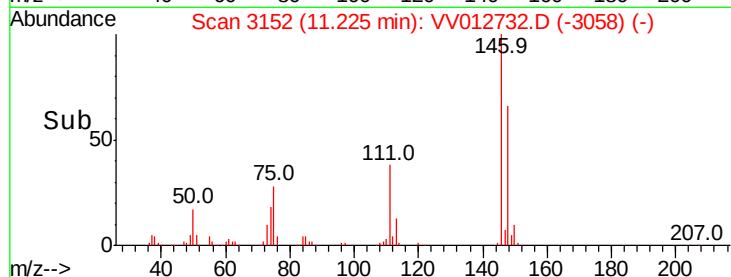
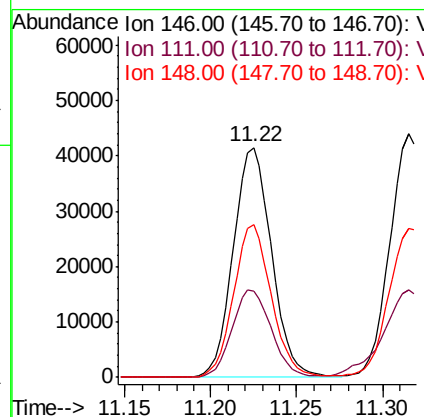
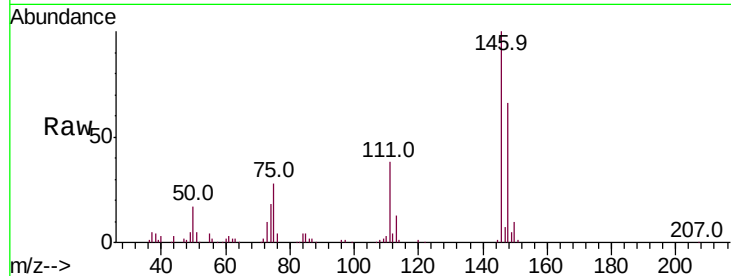




#62
 1,3-Dichlorobenzene
 Concen: 6.083 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

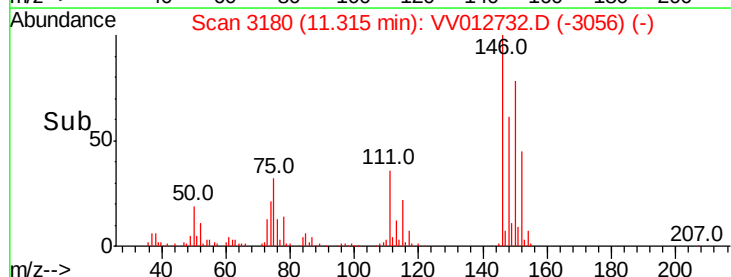
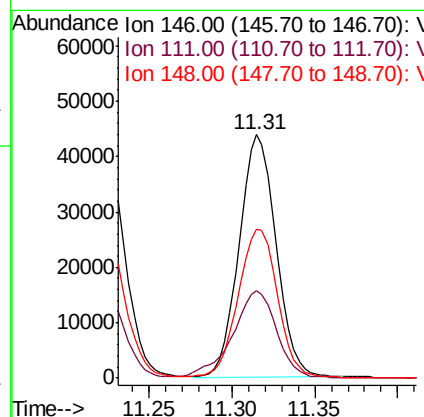
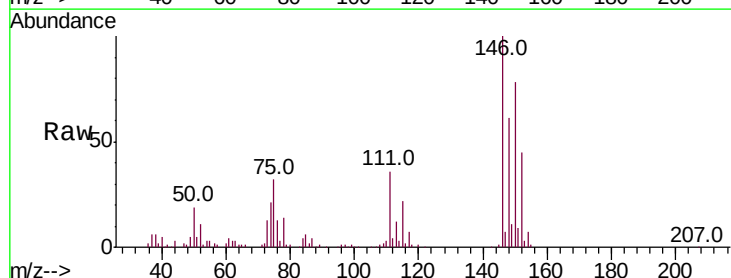
Instrument :
 MSVOA_V
 ClientSampleId :

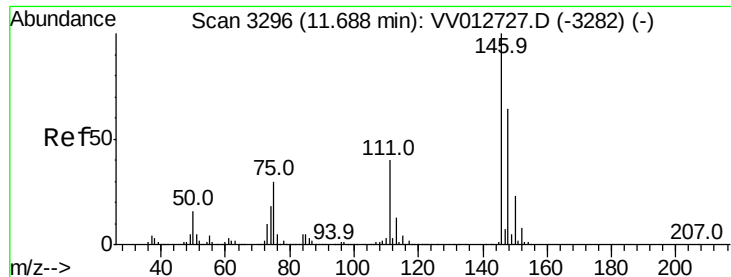
Tot Ion:146 Resp: 64243
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.2 50.6
 148 66.5 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 6.255 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion:146 Resp: 67758
 Ion Ratio Lower Upper
 146 100
 111 35.9 26.2 48.8
 148 61.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 6.250 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

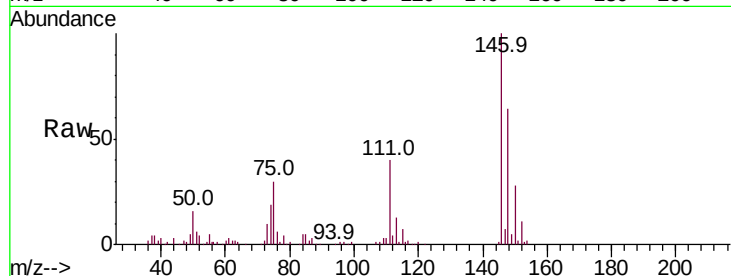
Tot Ion:146 Resp: 69395

Ion Ratio Lower Upper

146 100

111 40.5 32.2 48.2

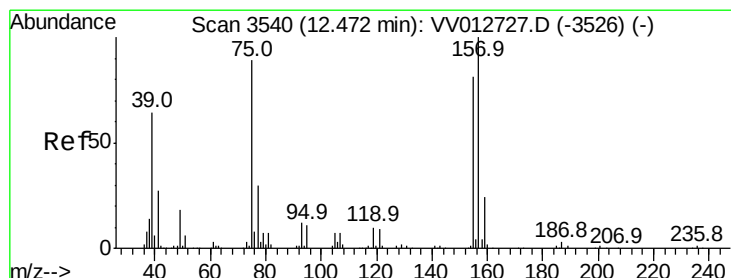
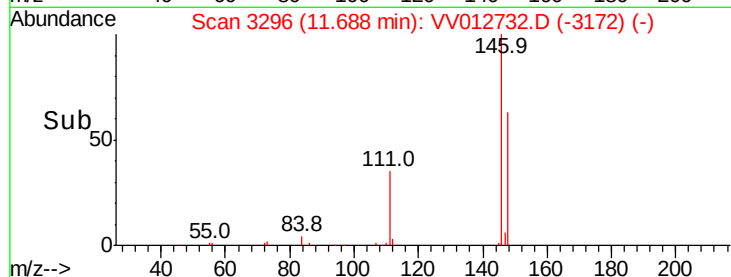
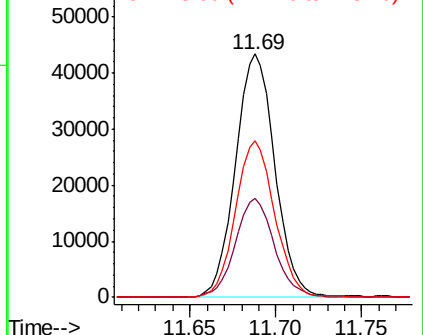
148 64.1 51.5 77.3



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: 5.893 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

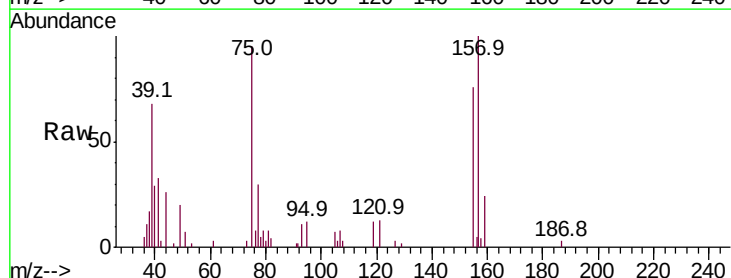
Tgt Ion: 75 Resp: 8735

Ion Ratio Lower Upper

75 100

155 79.9 73.4 110.0

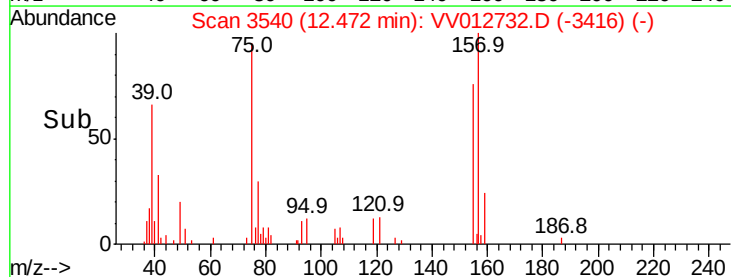
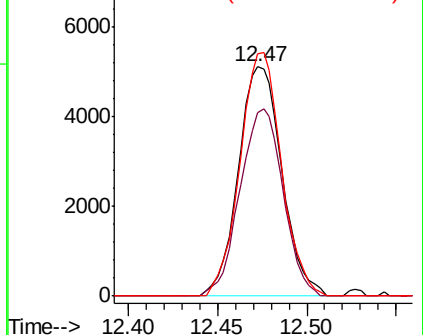
157 105.8 90.2 135.2

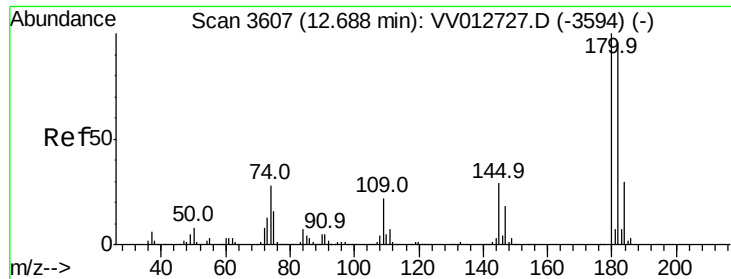


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

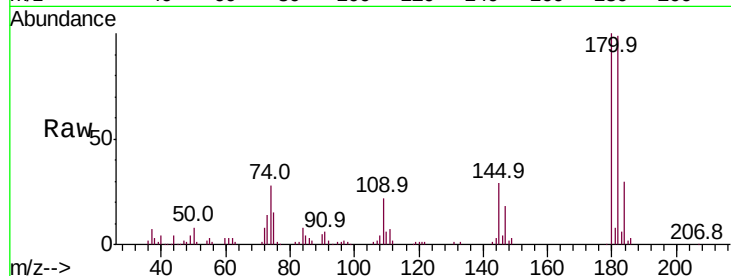




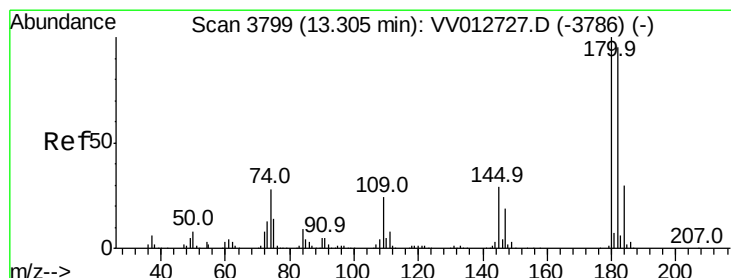
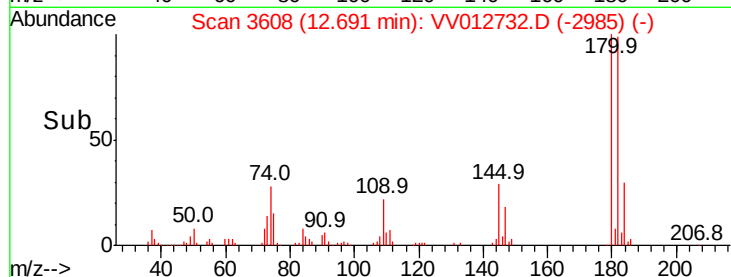
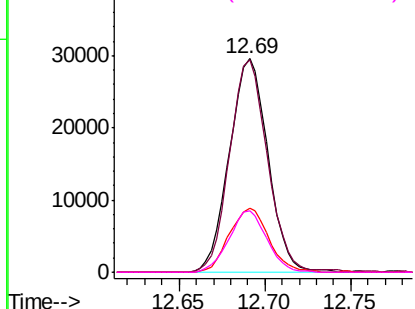
#67
 1,3,5-Trichlorobenzene
 Concen: 5.925 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 46223
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.7 115.1
 184 30.7 24.4 36.6
 145 28.2 22.6 33.8

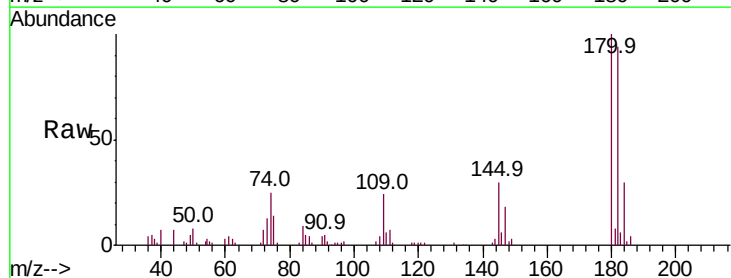


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

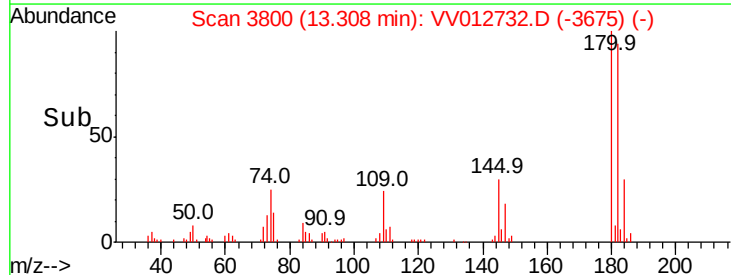
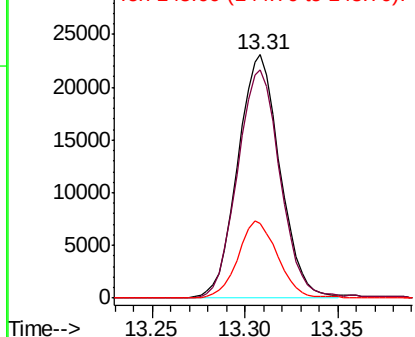


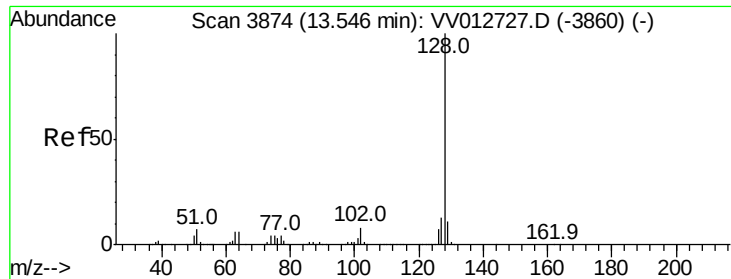
#68
 1,2,4-trichlorobenzene
 Concen: 5.537 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012732.D
 Acq: 13 Sep 2019 16:39

Tgt Ion:180 Resp: 36497
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.8 115.2
 145 29.6 23.0 34.4



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: 4.650 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

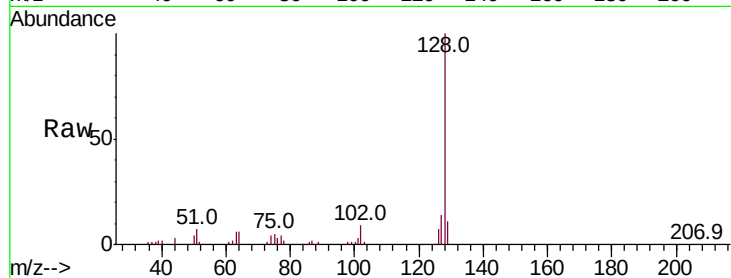
Tot Ion:128 Resp: 88604

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

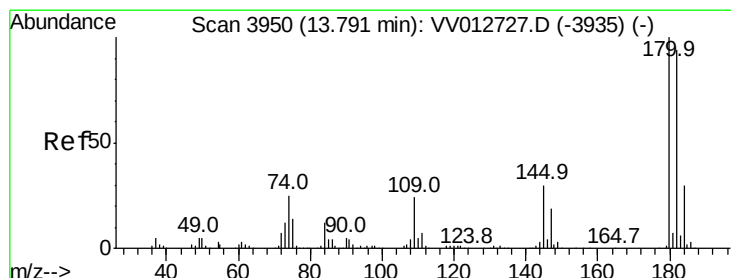
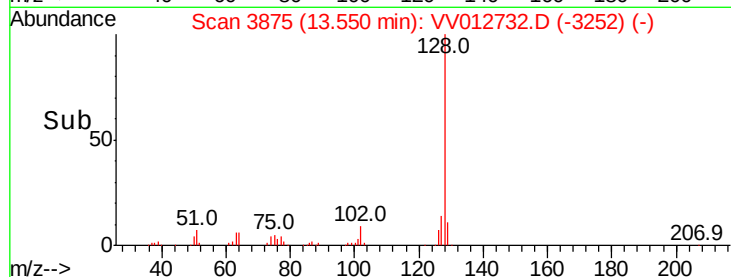
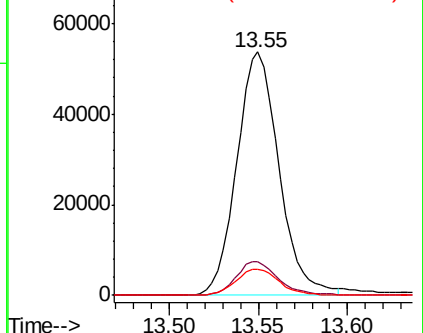
129 11.1 8.8 13.2



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: 5.539 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012732.D

Acq: 13 Sep 2019 16:39

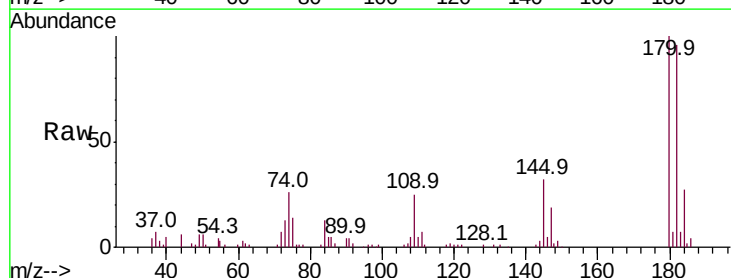
Tgt Ion:180 Resp: 39635

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 31.4 24.2 36.2



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

