

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012727.D
 Acq On : 13 Sep 2019 09:59
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 18:26:48 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	857239	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	836094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	415507	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	237264	48.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	210618	48.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	461773	48.86	ug/L	0.00
21) 2-Butanone-d5	3.92	46	467150	92.72	ug/L	0.00
24) Chloroform-d	4.40	84	576712	47.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	346746	47.48	ug/L	0.00
32) Benzene-d6	5.10	84	1074260	48.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	369398	46.92	ug/L	0.00
41) Toluene-d8	7.36	98	1020370	49.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	156743	47.79	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	293010	97.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	476568	47.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	448480	47.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	286918	49.993	ug/L 100
3) Chloromethane	1.25	50	290818	48.562	ug/L 100
5) Vinyl chloride	1.32	62	295896	49.417	ug/L 100
6) Bromomethane	1.52	94	174064	51.685	ug/L 100
8) Chloroethane	1.60	64	188167	50.307	ug/L 100
9) Trichlorofluoromethane	1.77	101	420225	50.014	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	261839	50.481	ug/L 100
12) 1,1-Dichloroethene	2.14	96	225049	49.804	ug/L 100
13) Acetone	2.18	43	428969	103.148	ug/L 100
14) Carbon disulfide	2.32	76	486191	49.304	ug/L 100
15) Methyl Acetate	2.45	43	316316	47.916	ug/L 100
16) Methylene chloride	2.53	84	289961	48.906	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	241418	48.877	ug/L 100
18) Methyl tert-butyl Ether	2.80	73	833764	48.938	ug/L 100
19) 1,1-Dichloroethane	3.23	63	523242	49.008	ug/L 100
20) cis-1,2-Dichloroethene	3.96	96	298491	48.842	ug/L 100
22) 2-Butanone	4.01	43	538153	104.151	ug/L 100
23) Bromochloromethane	4.30	128	153516	49.444	ug/L 100
25) Chloroform	4.42	83	550688	49.097	ug/L 100
27) 1,2-Dichloroethane	5.18	62	414267	49.348	ug/L 100
29) Cyclohexane	4.73	56	401840	50.627	ug/L 100
30) 1,1,1-Trichloroethane	4.66	97	427616	48.912	ug/L 100
31) Carbon tetrachloride	4.87	117	367601	48.834	ug/L 100
33) Benzene	5.14	78	1131731	49.763	ug/L 100
34) Trichloroethene	5.96	95	321233	48.591	ug/L 100
35) Methylcyclohexane	6.18	83	431561	51.749	ug/L 100
37) 1,2-Dichloropropane	6.22	63	319157	48.799	ug/L 100
38) Bromodichloromethane	6.55	83	410350	48.742	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	456021	49.802	ug/L 100
40) 4-Methyl-2-pentanone	7.27	43	910216	100.561	ug/L 100

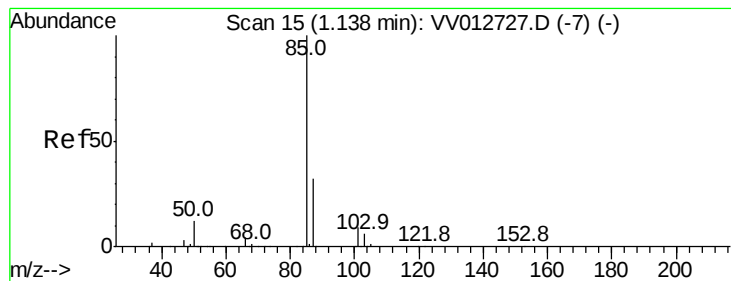
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1218925	51.611	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	401221	49.699	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	309599	48.518	ug/L	100
46) Tetrachloroethene	8.02	164	226645	49.425	ug/L	100
48) 2-Hexanone	8.18	43	765368	102.842	ug/L	100
49) Dibromochloromethane	8.29	129	331434	49.571	ug/L	100
50) 1,2-Dibromoethane	8.39	107	300283	48.848	ug/L	100
51) Chlorobenzene	8.92	112	795901	49.187	ug/L	100
52) Ethylbenzene	9.05	91	1342154	51.693	ug/L	100
53) m,p-Xylene	9.18	106	501305	52.428	ug/L	100
54) o-xylene	9.59	106	507898	52.323	ug/L	100
55) Styrene	9.60	104	890293	54.074	ug/L	100
56) Isopropylbenzene	9.97	105	1353717	53.077	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	426538	48.953	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	405514	48.713	ug/L	100
61) Bromoform	9.77	173	236726	47.181	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	637968	49.709	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	643943	48.914	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	659797	48.895	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	81548	45.268	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	466978	49.252	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	390330	48.724	ug/L	100
69) Naphthalene	13.55	128	1207070	52.121	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	445940	51.280	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.993 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

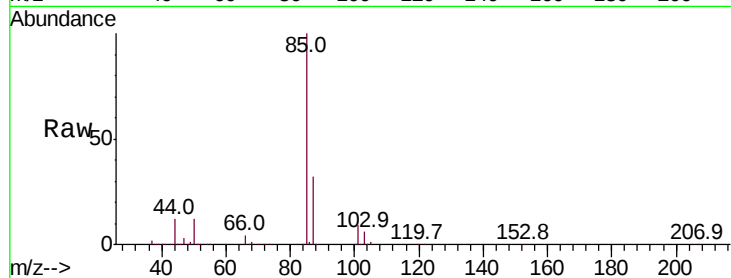
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 286918

Ion Ratio Lower Upper

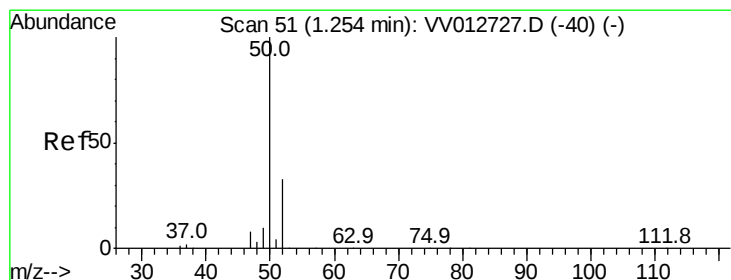
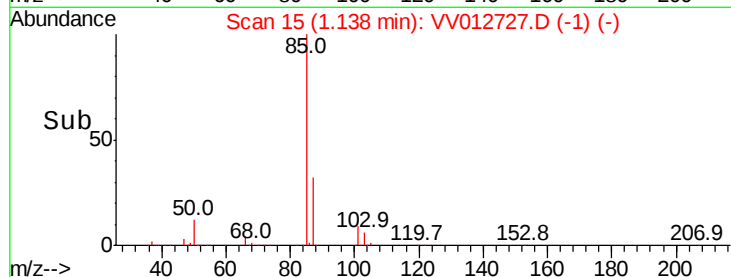
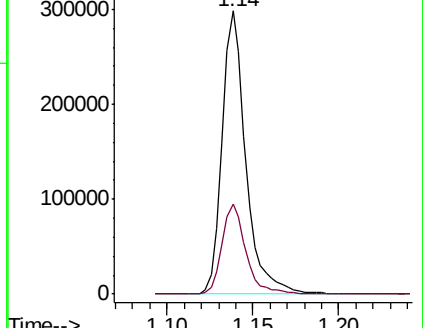
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV012727.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012727.D (-7) (-)



#3

Chloromethane

Concen: 48.562 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012727.D

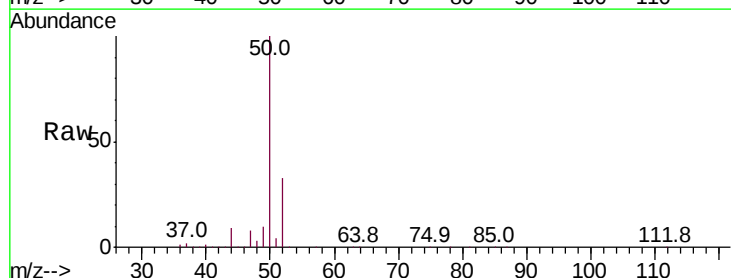
Acq: 13 Sep 2019 09:59

Tgt Ion: 50 Resp: 290818

Ion Ratio Lower Upper

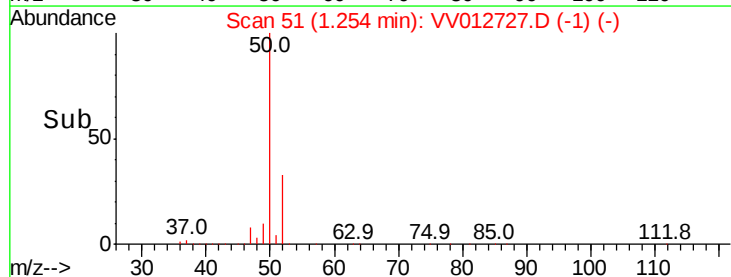
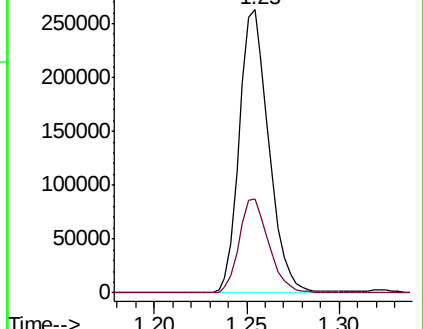
50 100

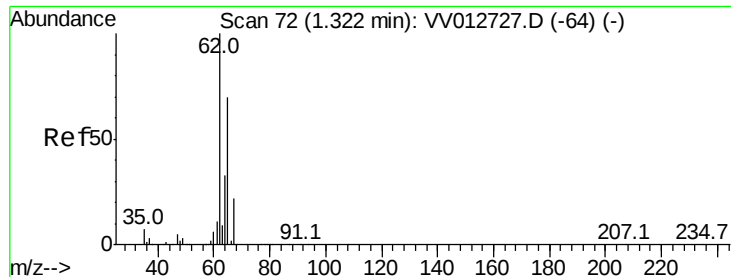
52 33.4 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV012727.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV012727.D (-40) (-)





#5

Vinyl chloride

Concen: 49.417 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

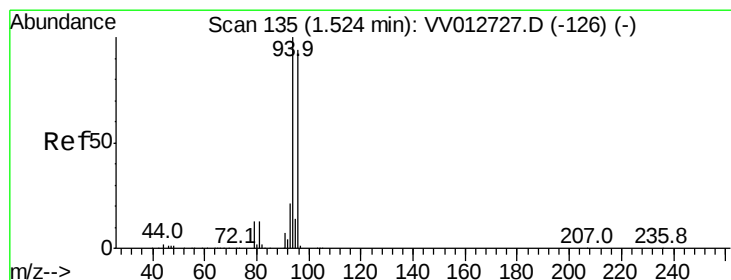
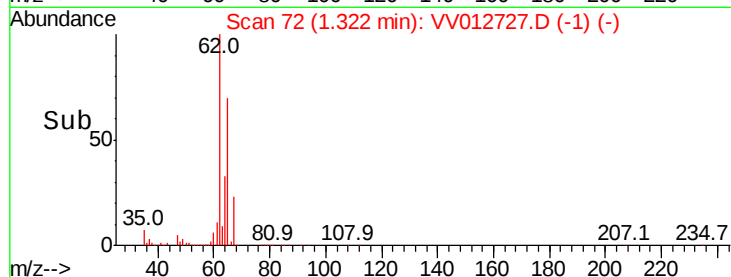
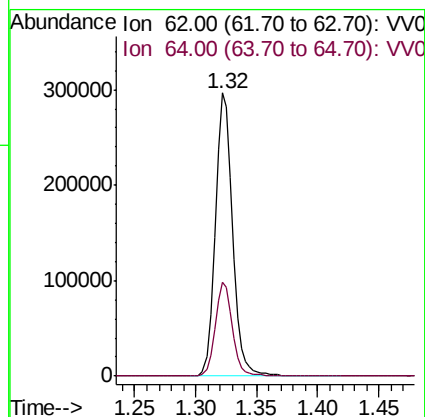
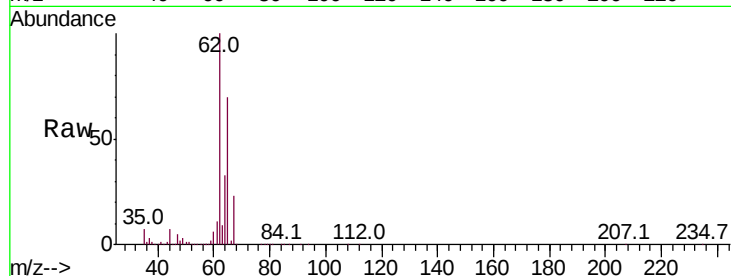
ClientSampled :

Tot Ion: 62 Resp: 295896

Ion Ratio Lower Upper

62 100

64 33.2 23.2 43.2



#6

Bromomethane

Concen: 51.685 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV012727.D

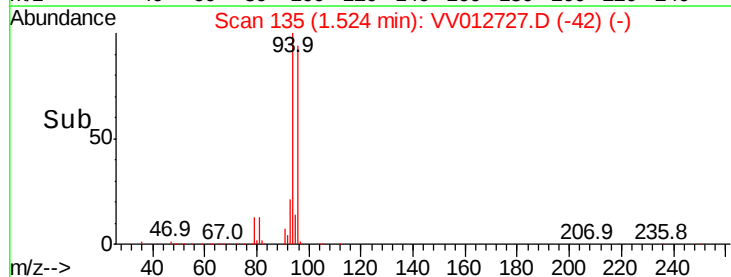
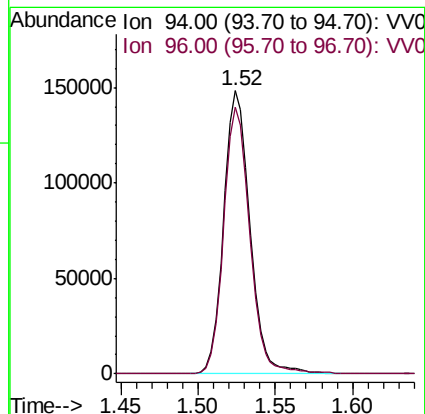
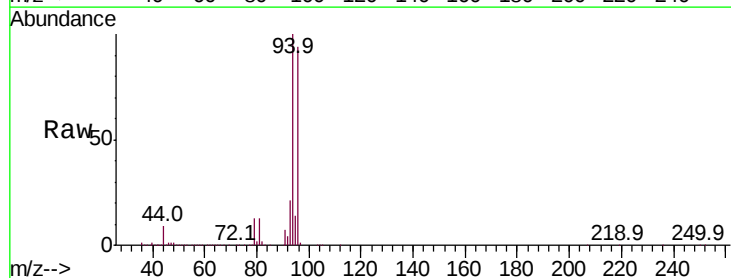
Acq: 13 Sep 2019 09:59

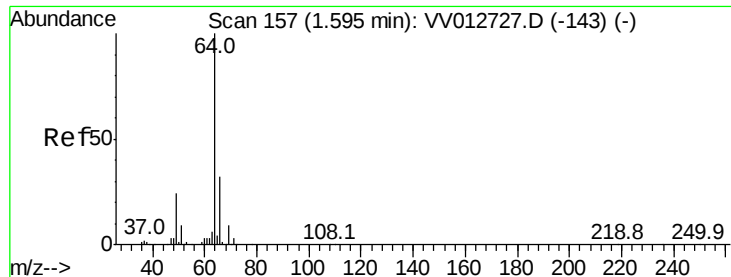
Tgt Ion: 94 Resp: 174064

Ion Ratio Lower Upper

94 100

96 94.1 65.9 122.3





#8

Chloroethane

Concen: 50.307 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

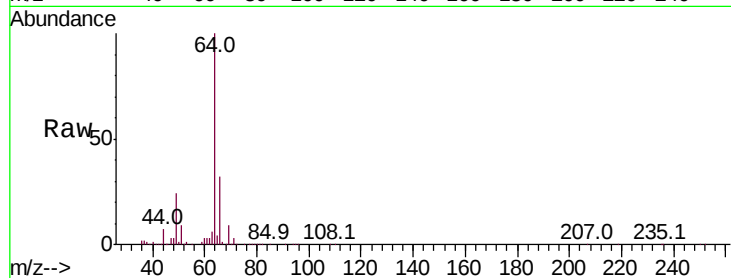
ClientSampleId :

Tot Ion: 64 Resp: 188167

Ion Ratio Lower Upper

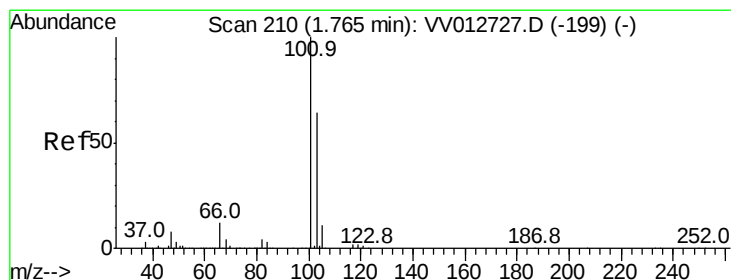
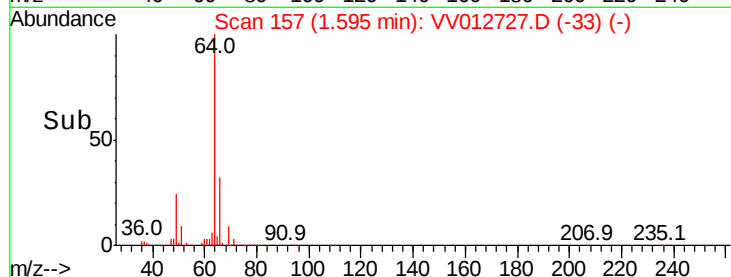
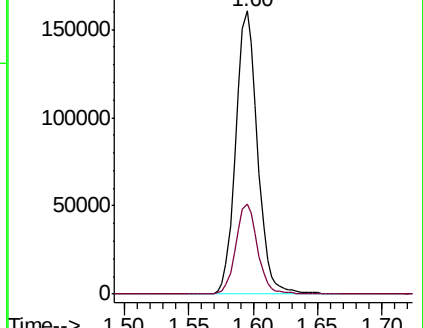
64 100

66 32.0 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: 50.014 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV012727.D

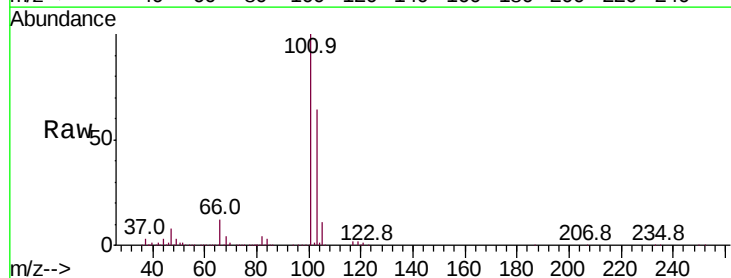
Acq: 13 Sep 2019 09:59

Tgt Ion:101 Resp: 420225

Ion Ratio Lower Upper

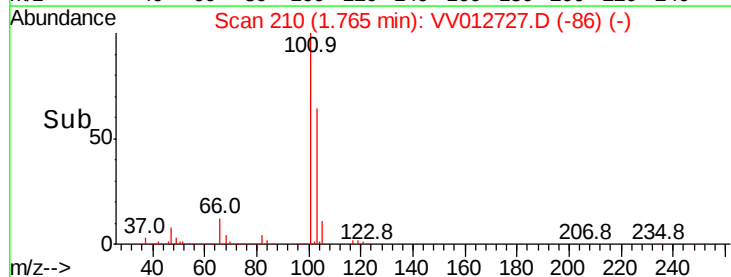
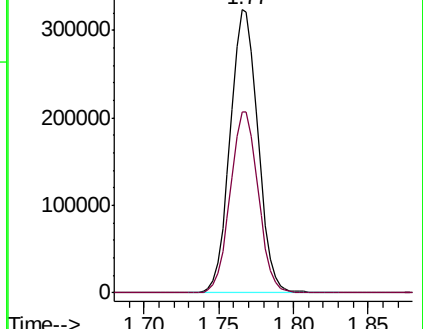
101 100

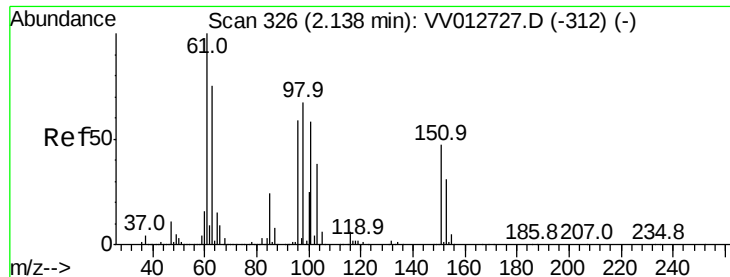
103 64.3 51.4 77.2



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: 50.481 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

ClientSampleId :

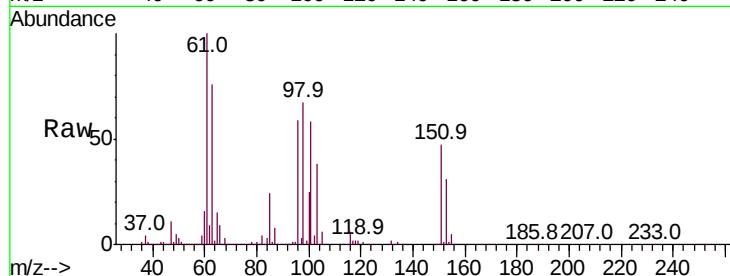
Tot Ion:101 Resp: 261839

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

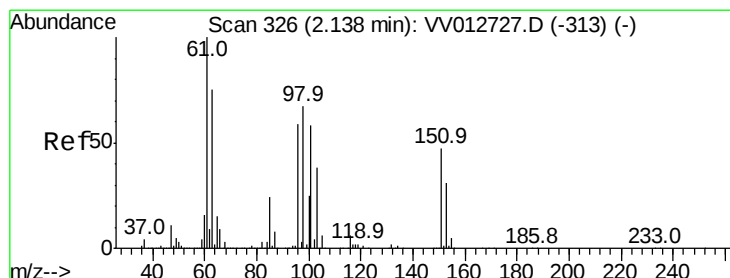
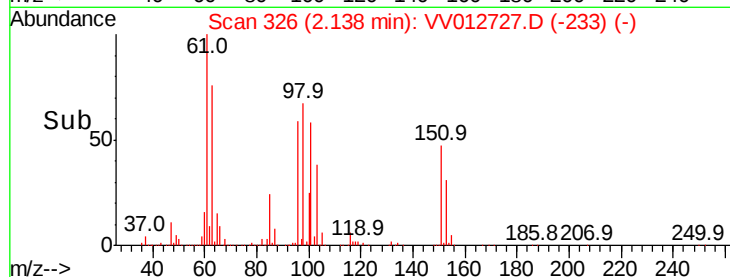
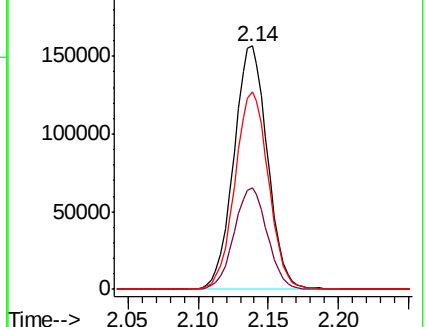
151 81.2 65.0 97.4



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: 49.804 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

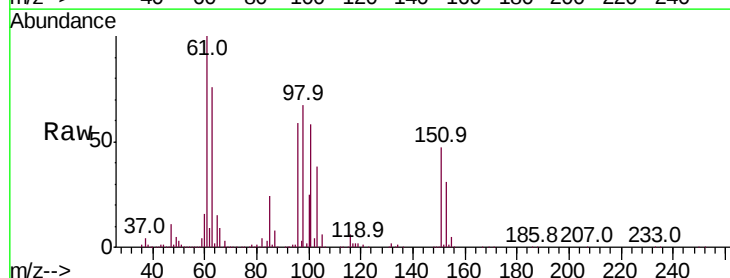
Tgt Ion: 96 Resp: 225049

Ion Ratio Lower Upper

96 100

61 168.6 118.0 219.2

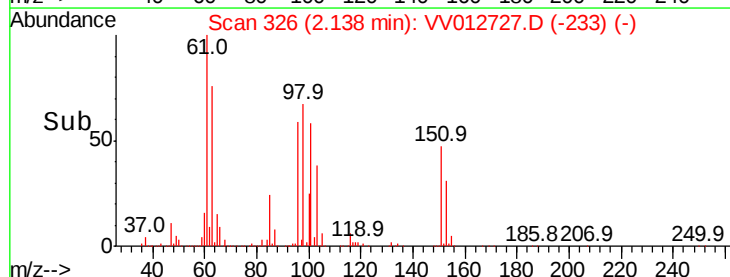
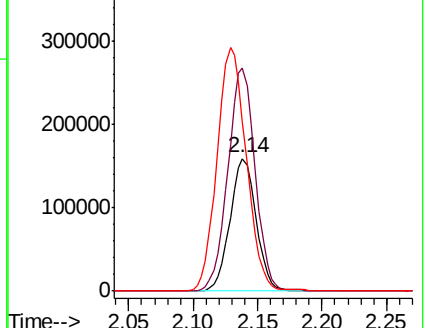
63 127.4 89.2 165.6

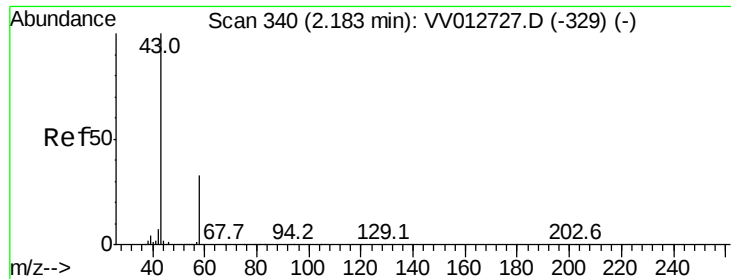


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.148 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

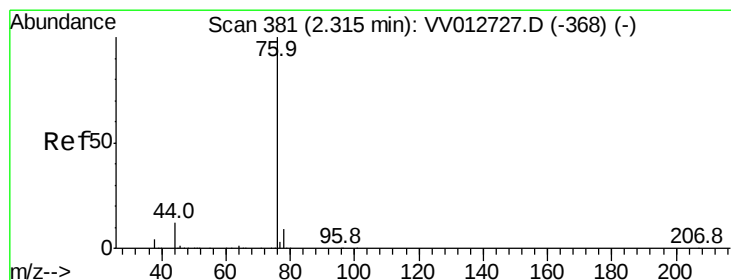
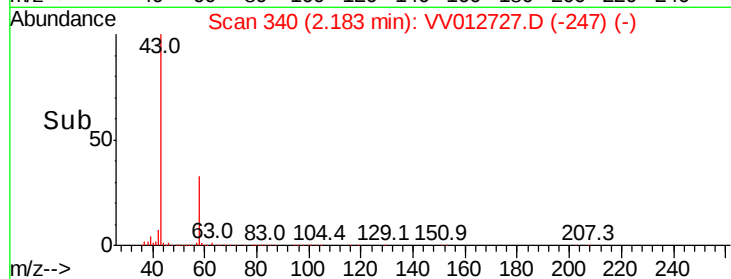
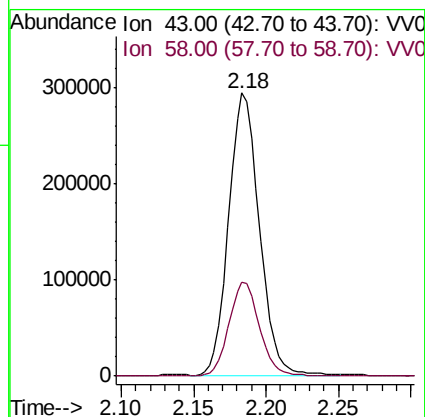
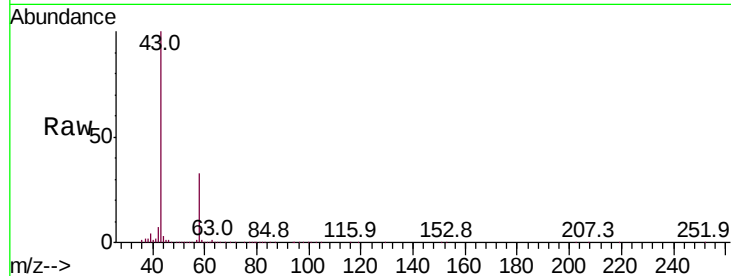
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 428969

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.4



#14

Carbon disulfide

Concen: 49.304 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012727.D

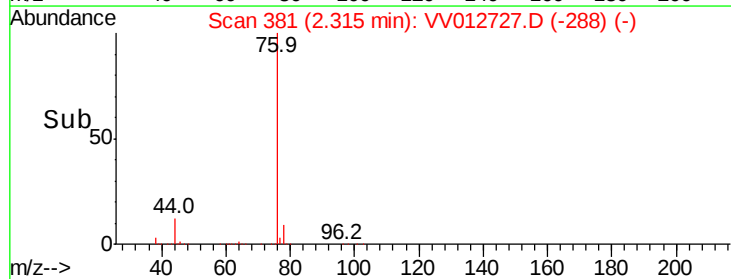
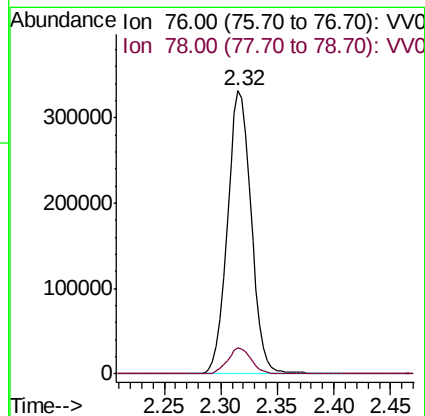
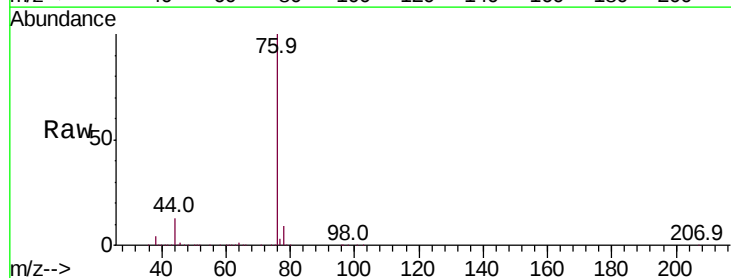
Acq: 13 Sep 2019 09:59

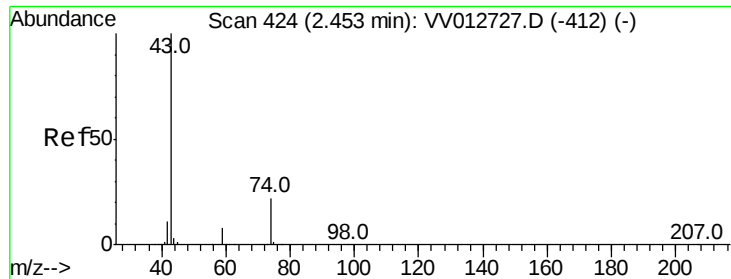
Tgt Ion: 76 Resp: 486191

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

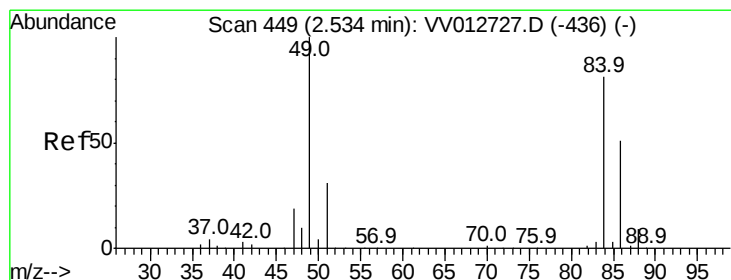
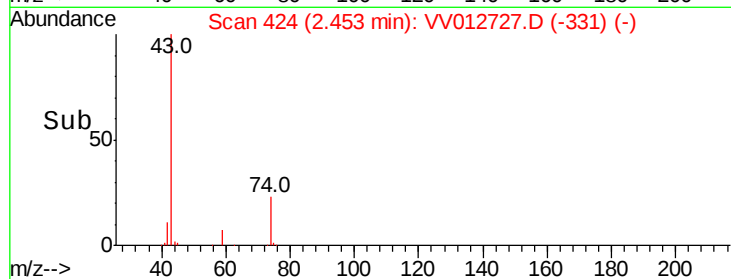
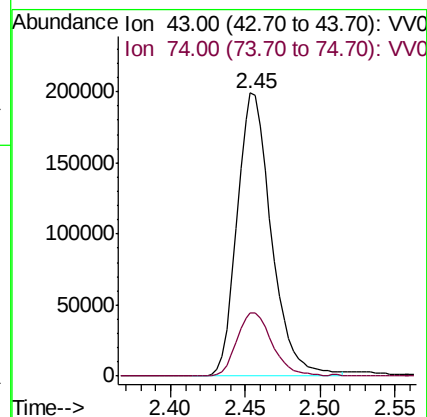
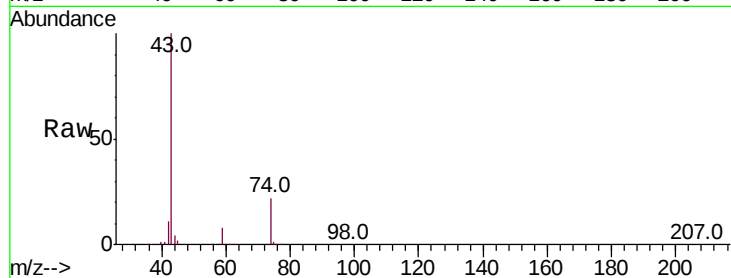




#15
Methvl Acetate
Concen: 47.916 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

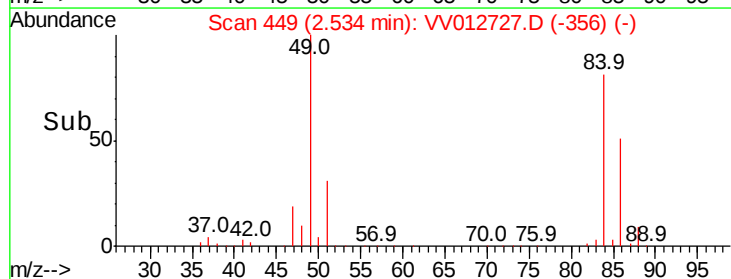
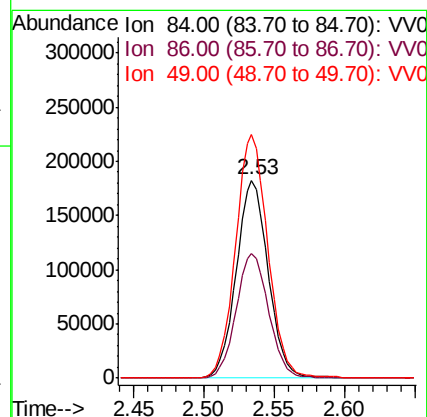
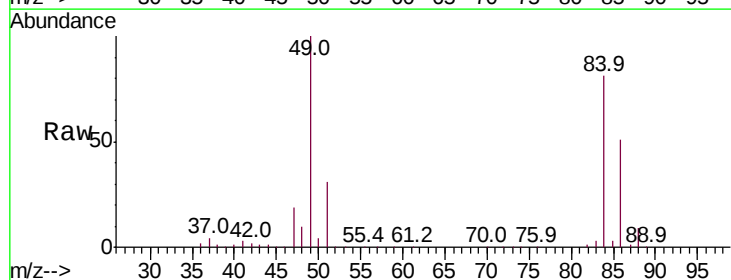
Instrument :
MSVOA_V
ClientSampleId :

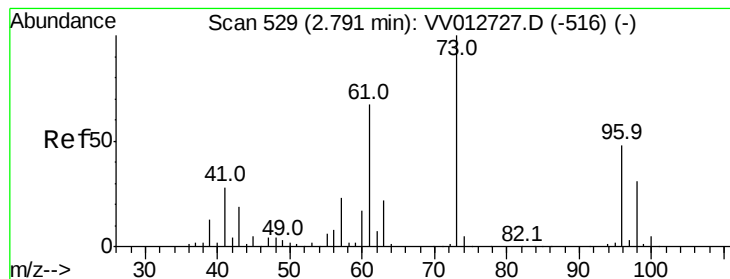
Tot Ion: 43 Resp: 316316
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8



#16
Methylene chloride
Concen: 48.906 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion: 84 Resp: 289961
Ion Ratio Lower Upper
84 100
86 62.9 44.0 81.8
49 123.1 86.2 160.0





#17

trans-1,2-Dichloroethene

Concen: 48.877 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampled :

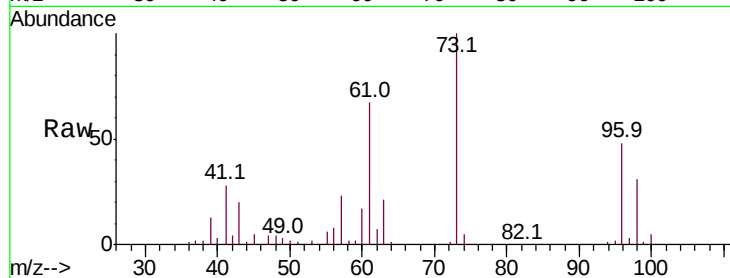
Tot Ion: 96 Resp: 241418

Ion Ratio Lower Upper

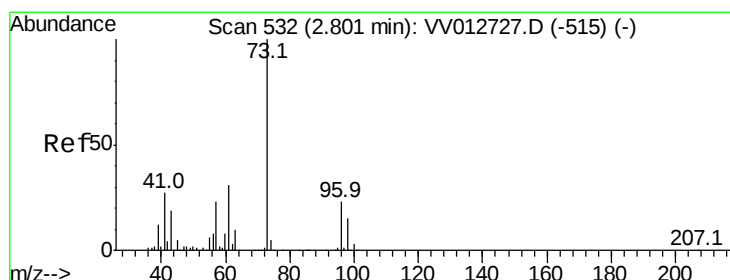
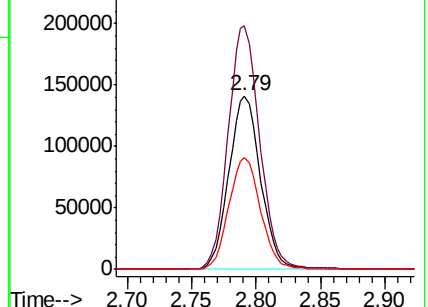
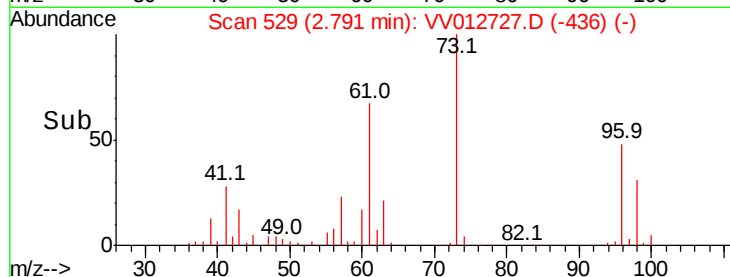
96 100

61 140.4 98.3 182.5

98 64.3 45.0 83.6



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



#18

Methyl tert-butyl Ether

Concen: 48.938 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

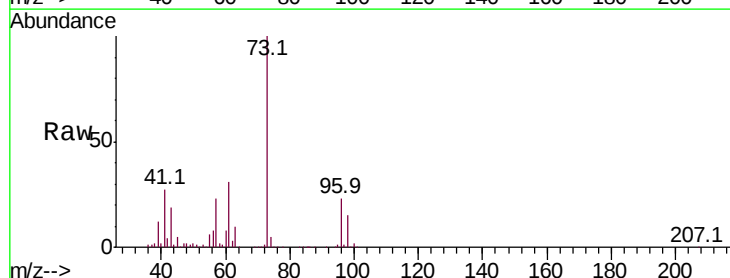
Tgt Ion: 73 Resp: 833764

Ion Ratio Lower Upper

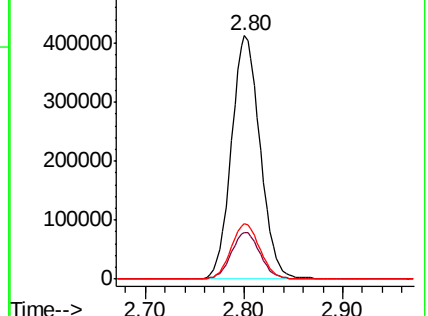
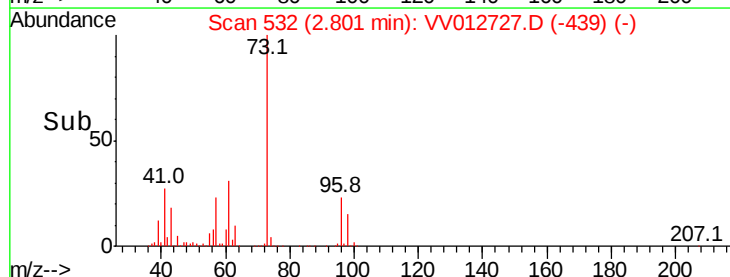
73 100

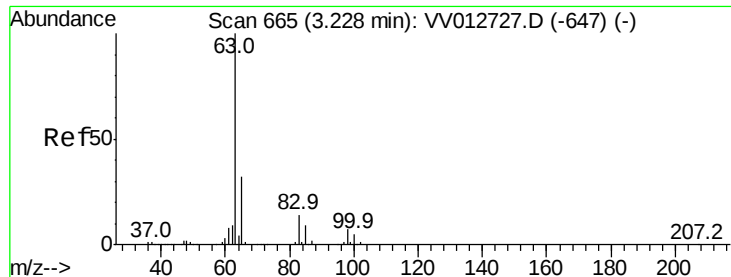
43 19.3 15.4 23.2

57 23.0 18.4 27.6



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





#19

1,1-Dichloroethane

Concen: 49.008 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampleId :

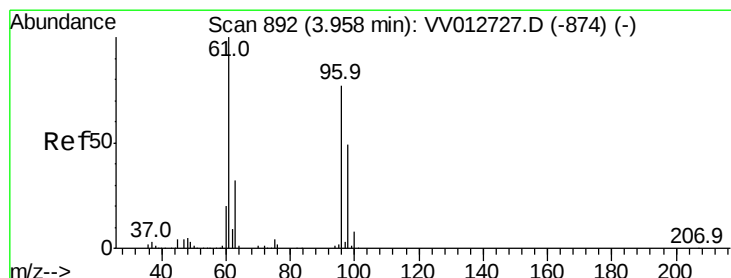
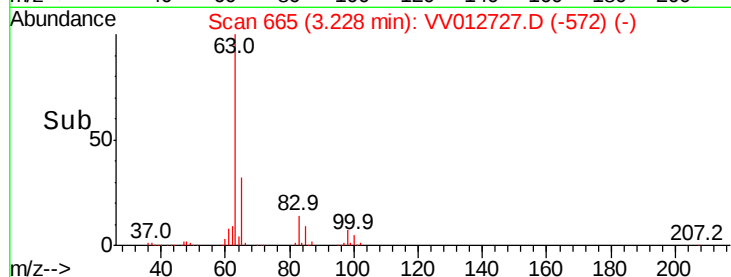
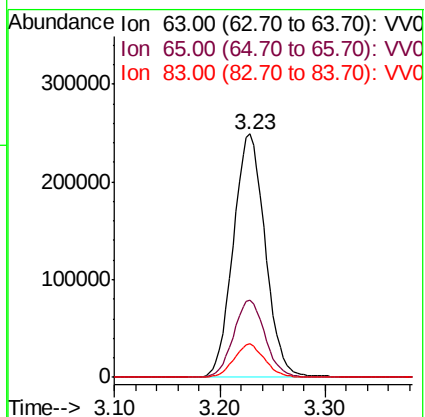
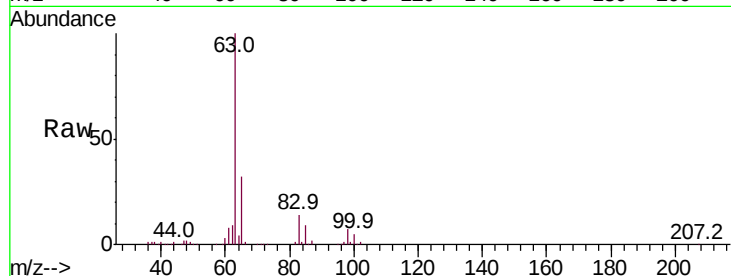
Tot Ion: 63 Resp: 523242

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 48.842 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

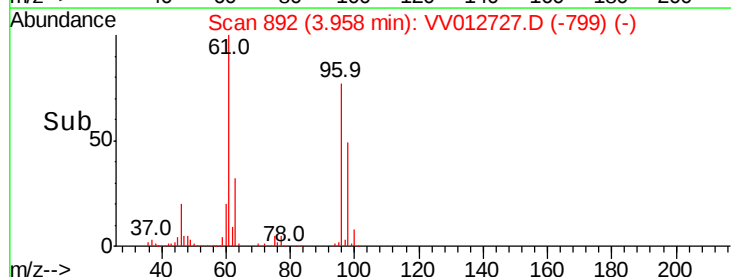
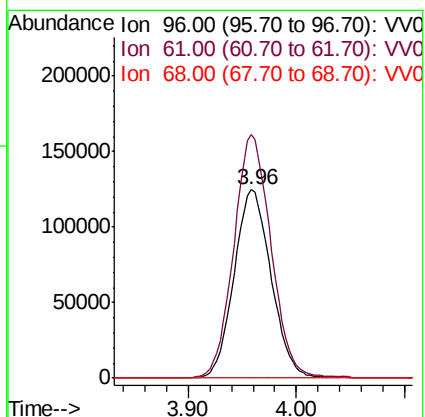
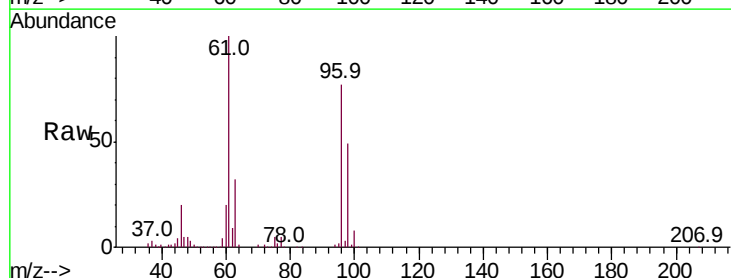
Tgt Ion: 96 Resp: 298491

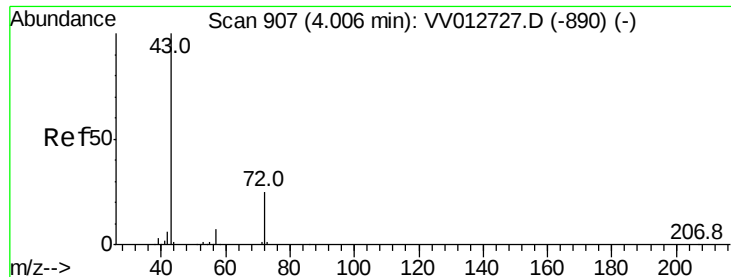
Ion Ratio Lower Upper

96 100

61 129.5 90.6 168.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.151 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

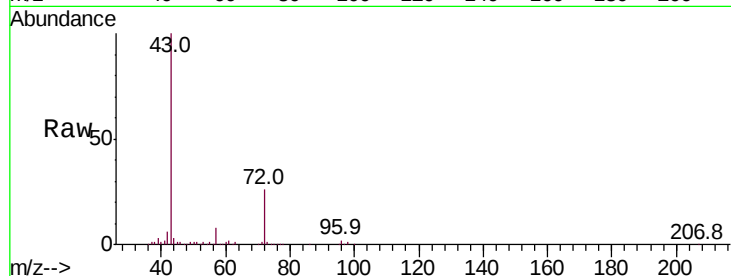
ClientSampleId :

Tot Ion: 43 Resp: 538153

Ion Ratio Lower Upper

43 100

72 26.4 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) (-)

250000

200000

150000

100000

50000

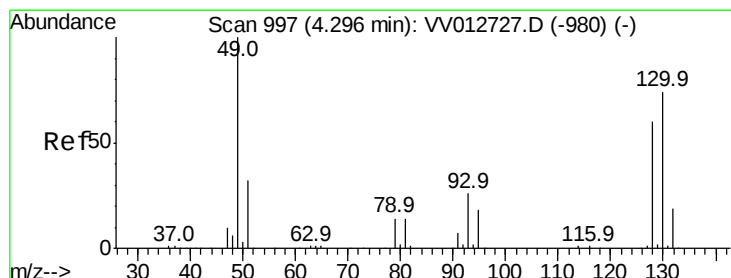
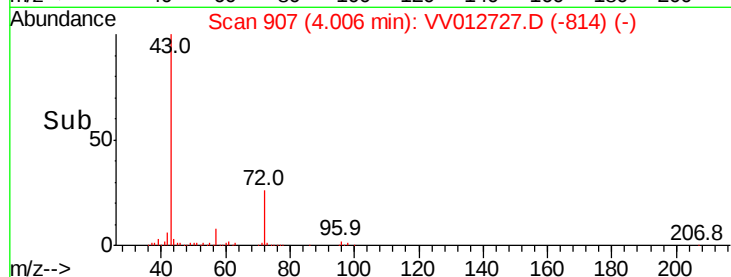
0

3.90

4.01

4.10

Time-->



#23

Bromochloromethane

Concen: 49.444 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Tgt Ion:128 Resp: 153516

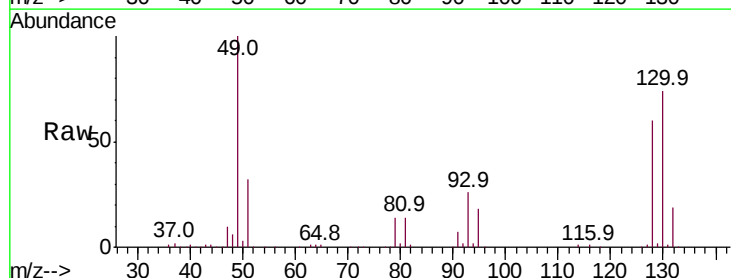
Ion Ratio Lower Upper

128 100

49 167.5 117.2 217.8

130 123.8 86.7 160.9

51 52.9 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) (-)

150000

100000

50000

0

4.20

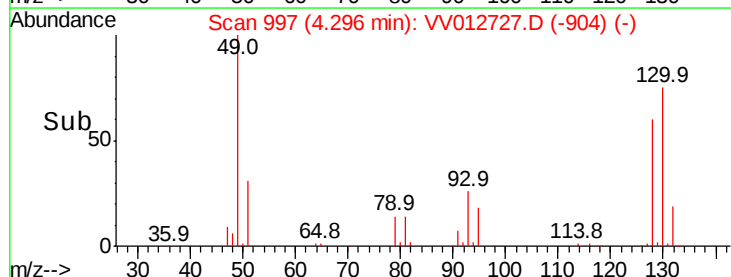
4.25

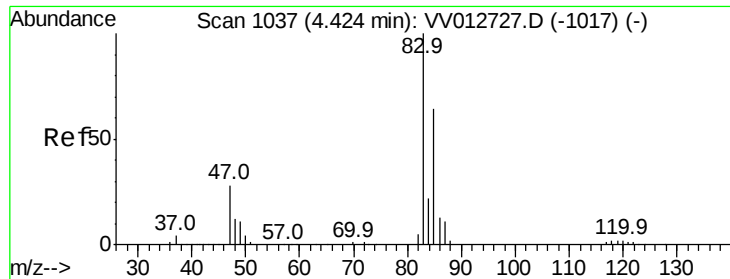
4.30

4.35

4.40

Time-->

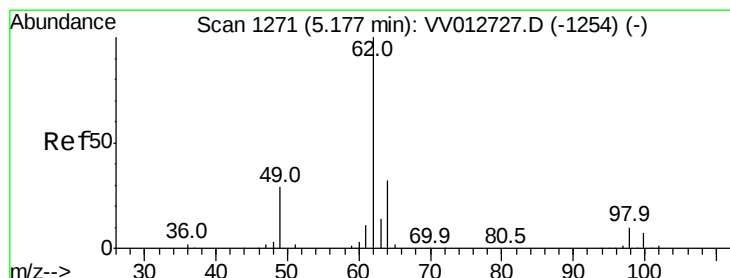
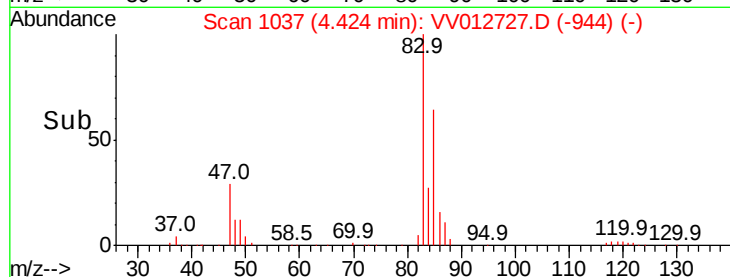
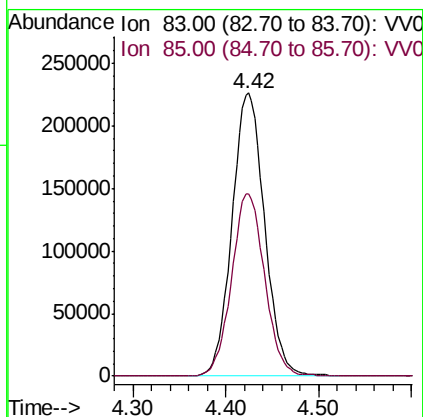
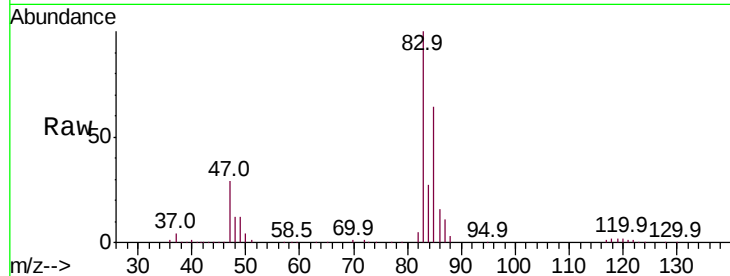




#25
Chloroform
Concen: 49.097 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

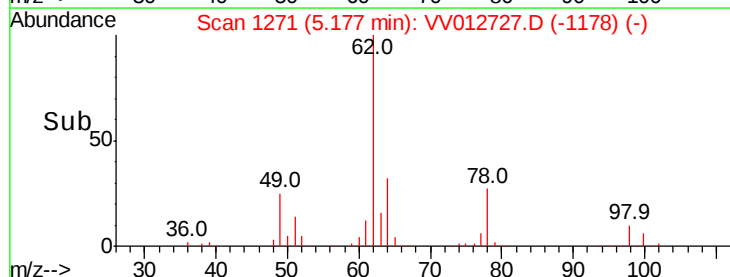
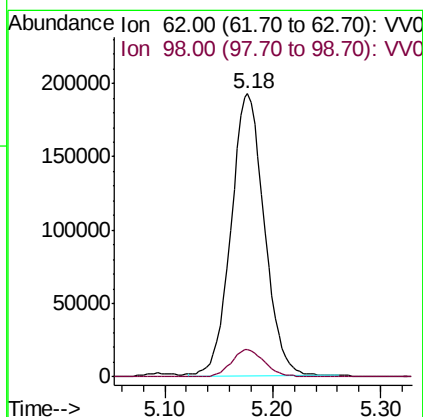
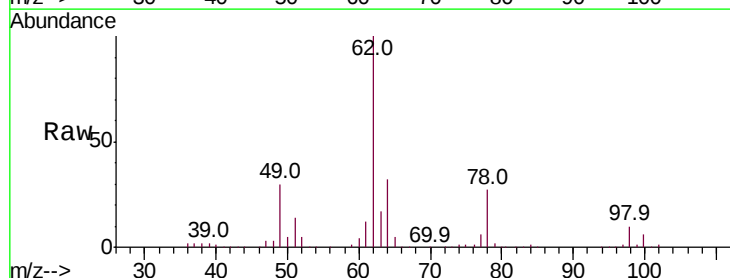
Instrument :
MSVOA_V
ClientSampled :

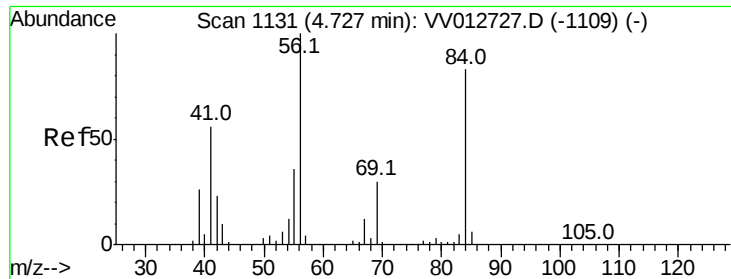
Tot Ion: 83 Resp: 550688
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.348 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion: 62 Resp: 414267
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

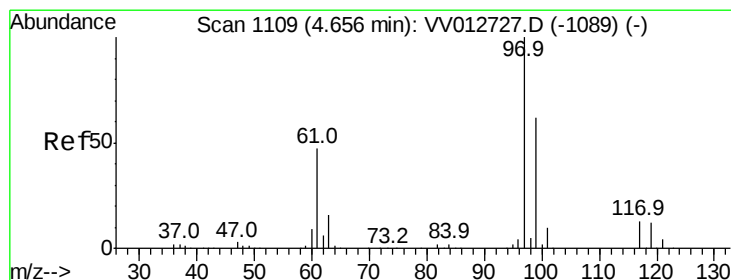
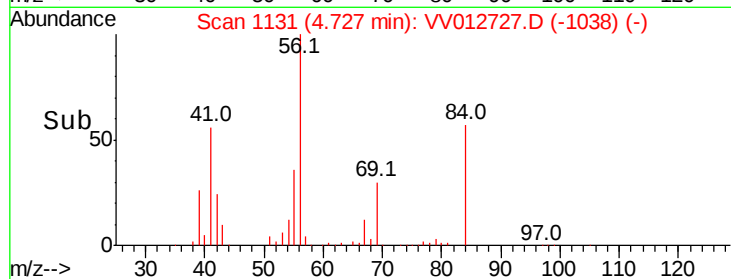
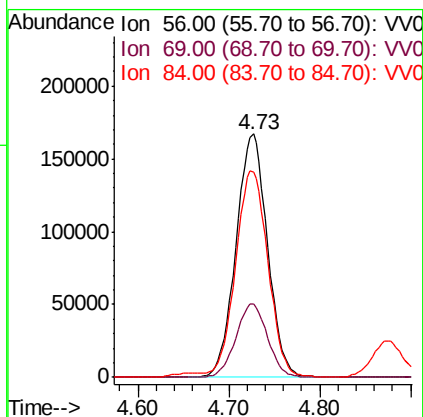
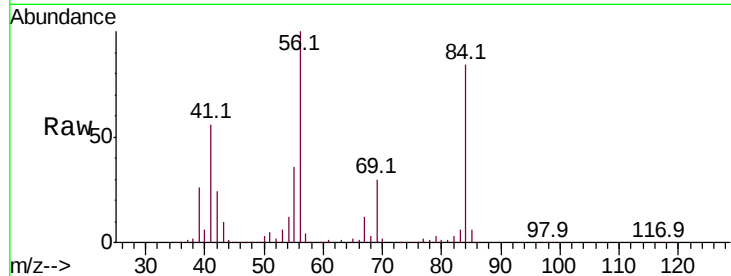




#29
Cyclohexane
Concen: 50.627 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

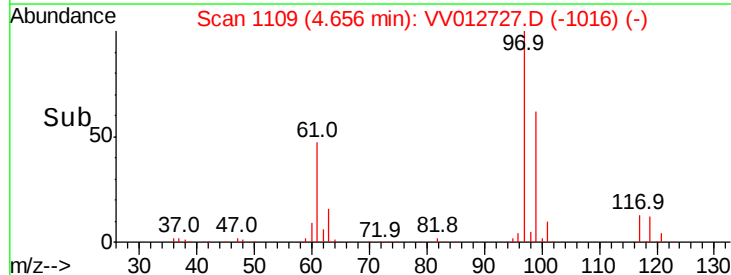
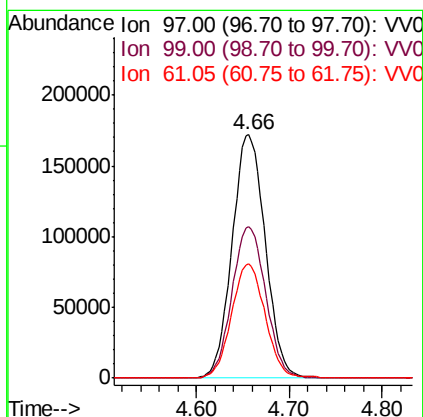
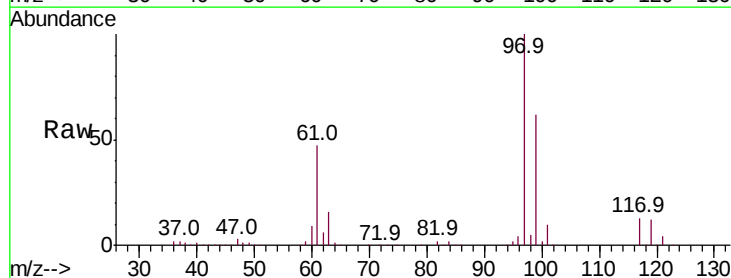
Instrument :
MSVOA_V
ClientSampleId :

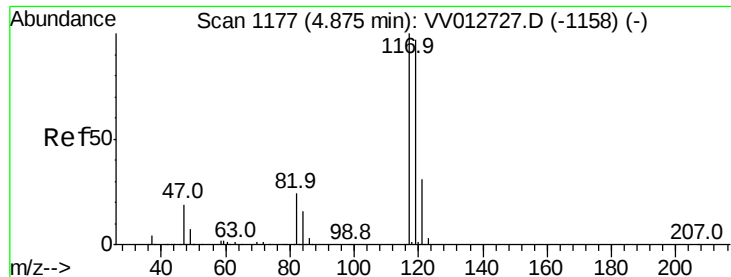
Tot Ion: 56 Resp: 401840
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 87.2 69.8 104.6



#30
1,1,1-Trichloroethane
Concen: 48.912 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion: 97 Resp: 427616
Ion Ratio Lower Upper
97 100
99 63.2 50.6 75.8
61 47.3 37.8 56.8

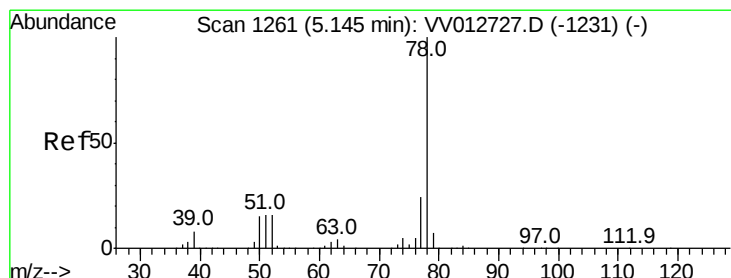
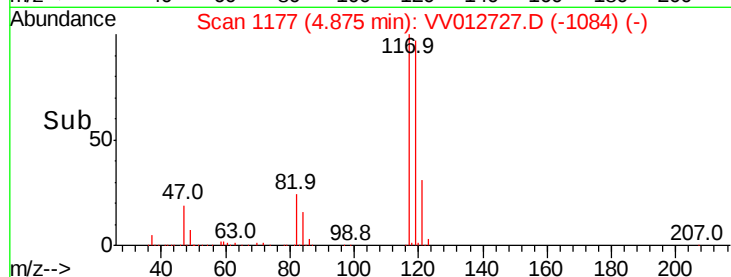
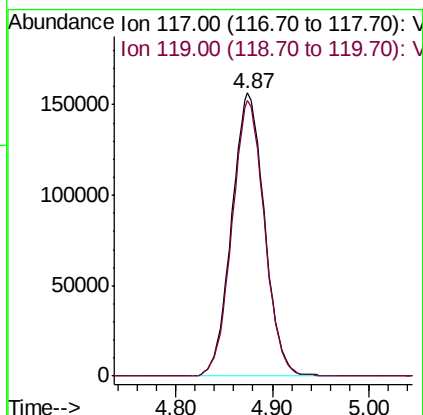
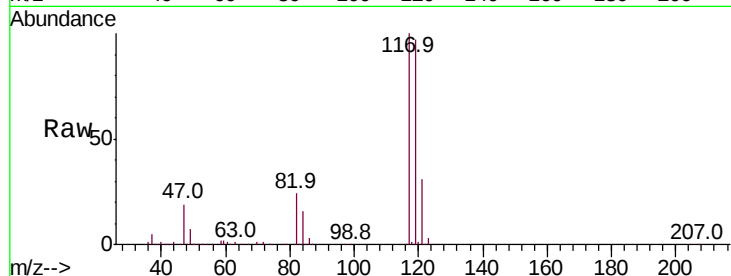




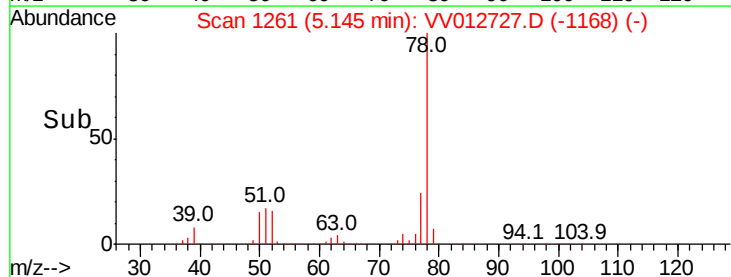
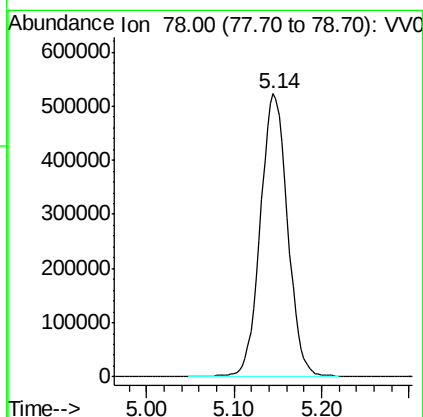
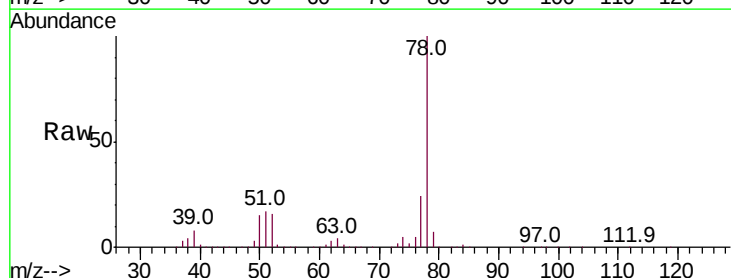
#31
Carbon tetrachloride
Concen: 48.834 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

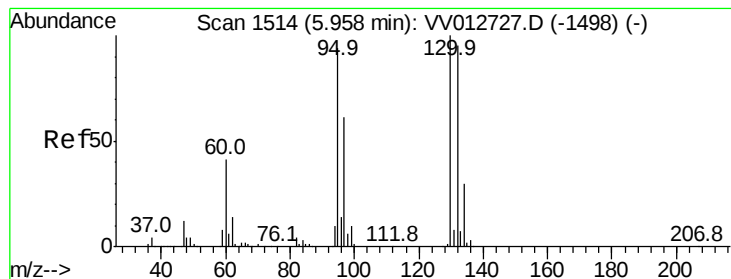
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 367601
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 49.763 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59
Tgt Ion: 78 Resp: 1131731





#34

Trichloroethene

Concen: 48.591 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 321233

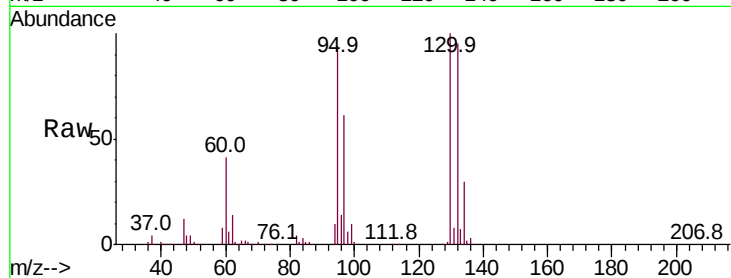
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 100.8 70.6 131.0

130 106.6 74.6 138.6

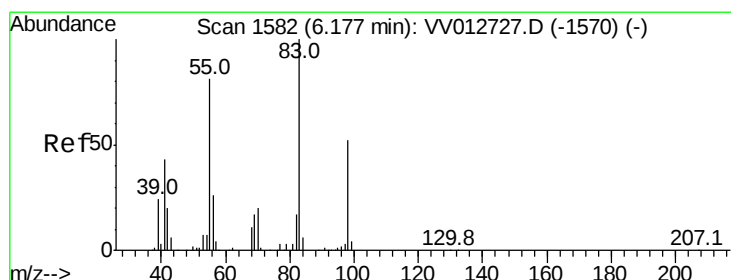
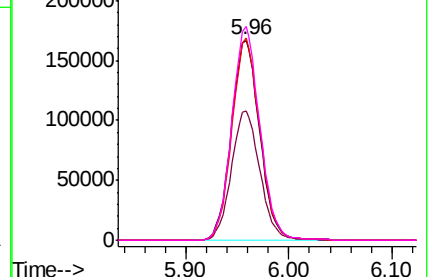
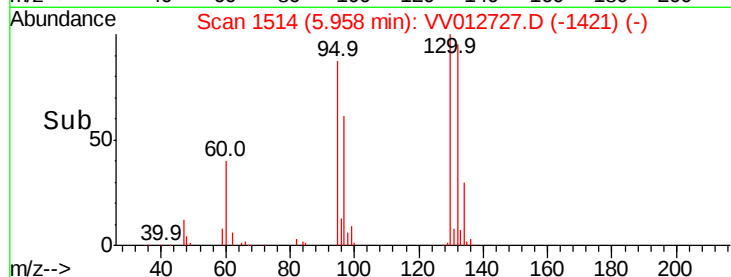


Abundance Ion 95.00 (94.70 to 95.70): VV012727.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV012727.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV012727.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV012727.D (-1498) (-)



#35

Methylcyclohexane

Concen: 51.749 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

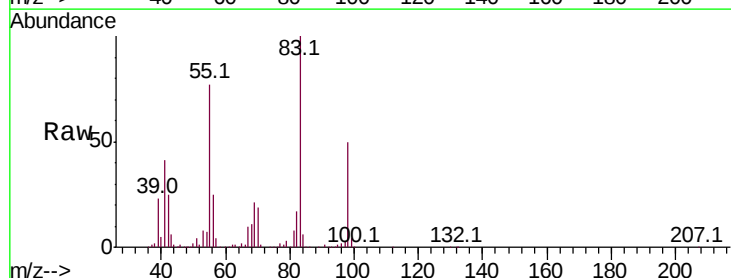
Tgt Ion: 83 Resp: 431561

Ion Ratio Lower Upper

83 100

55 77.7 62.2 93.2

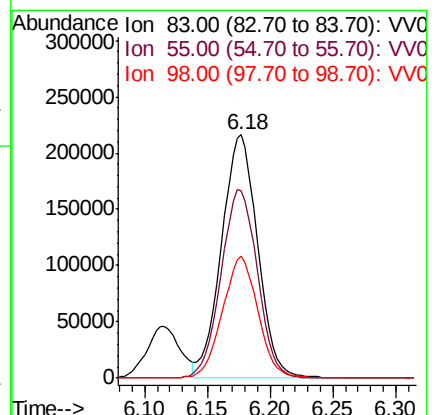
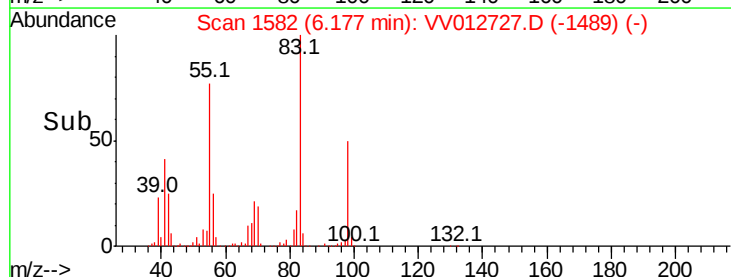
98 49.2 39.4 59.0

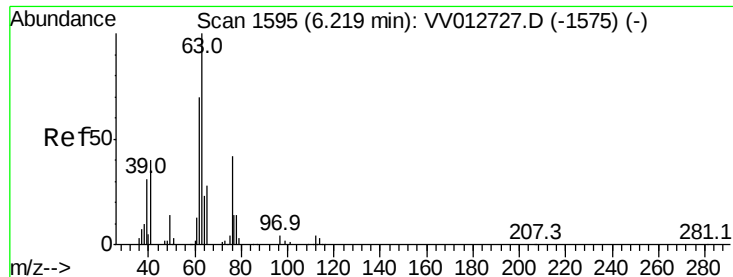


Abundance Ion 83.00 (82.70 to 83.70): VV012727.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV012727.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV012727.D (-1570) (-)





#37

1,2-Dichloropropane

Concen: 48.799 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

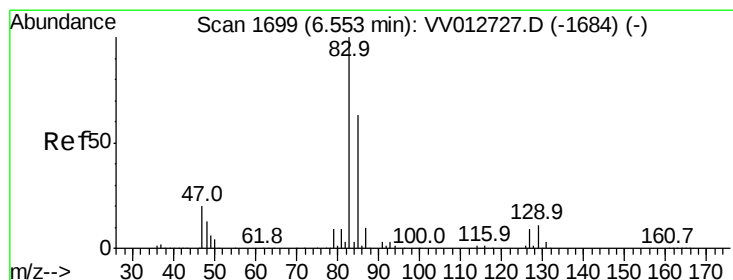
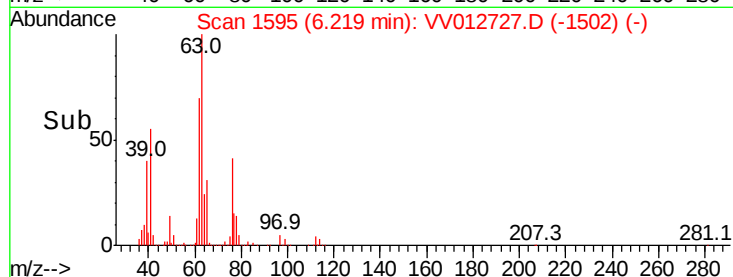
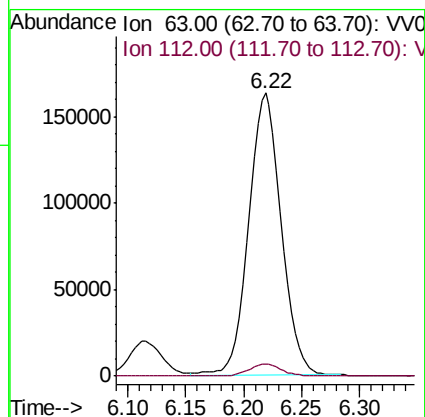
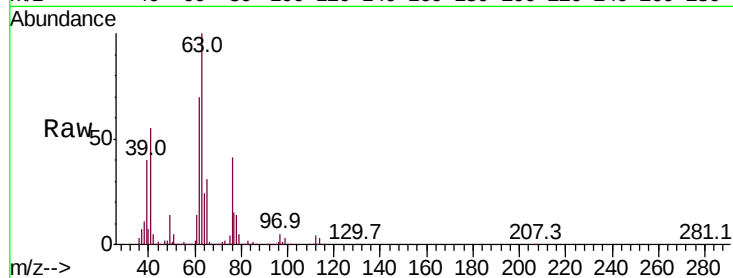
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 319157

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 48.742 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

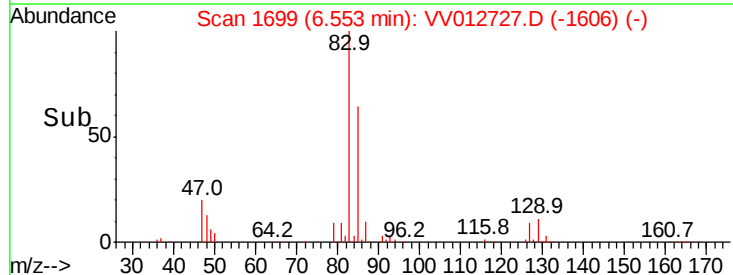
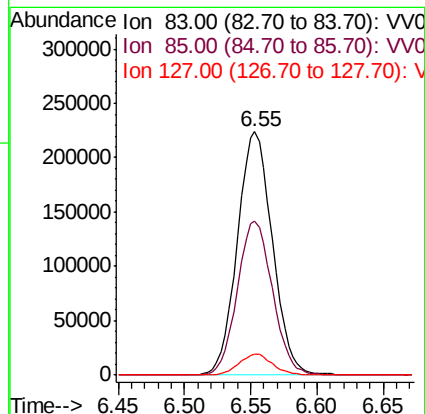
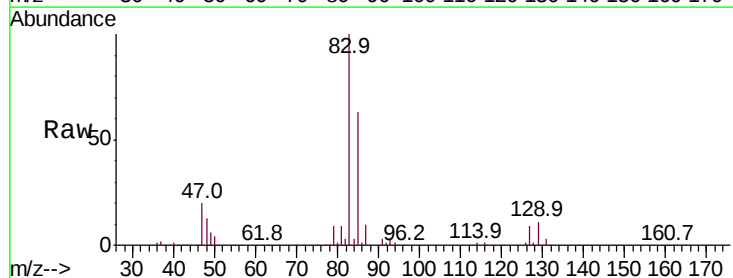
Tgt Ion: 83 Resp: 410350

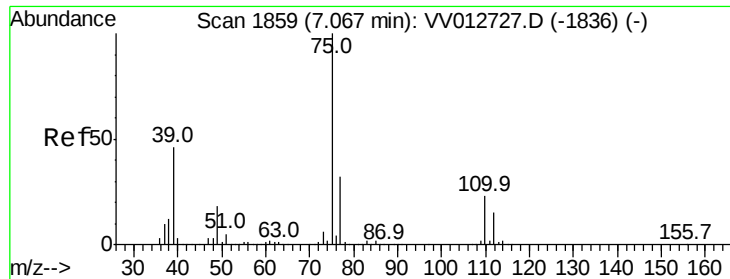
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

127 8.7 7.0 10.4



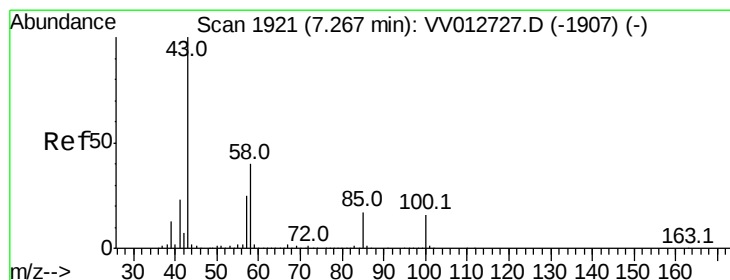
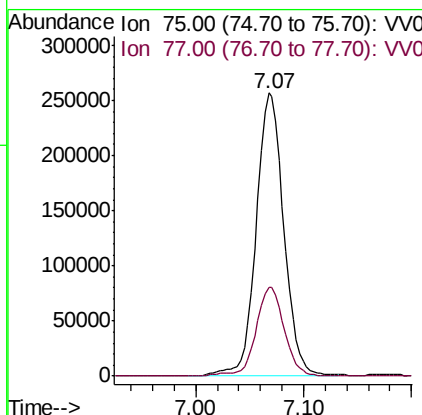
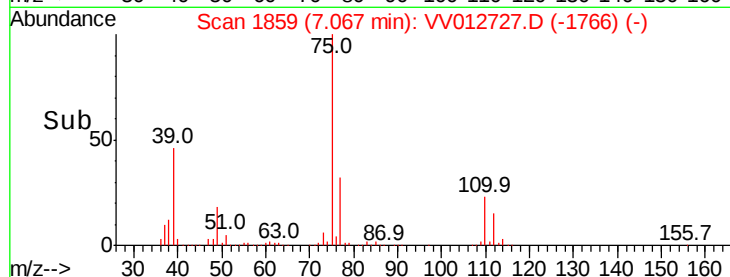
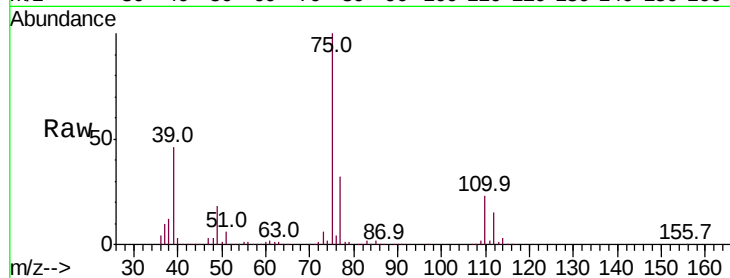


#39

cis-1,3-Dichloropropene
Concen: 49.802 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampleId :

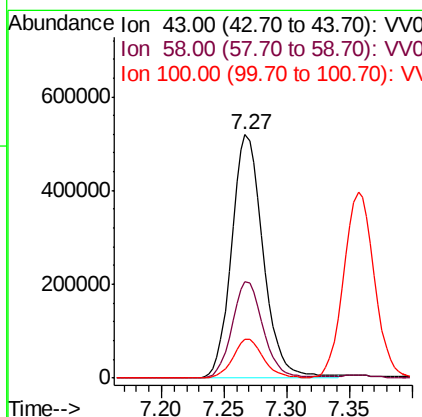
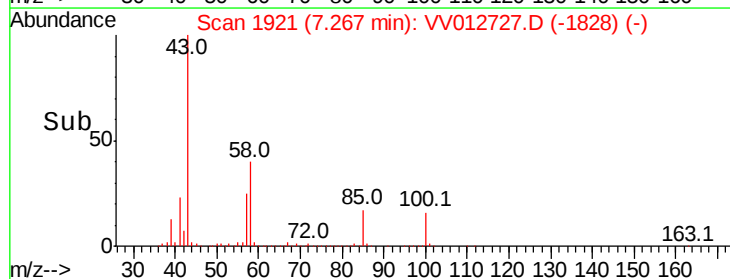
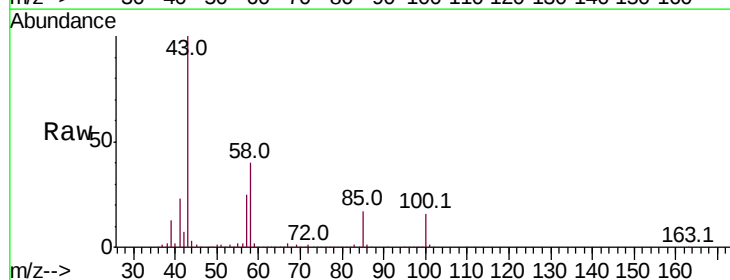
Tot Ion: 75 Resp: 456021
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1

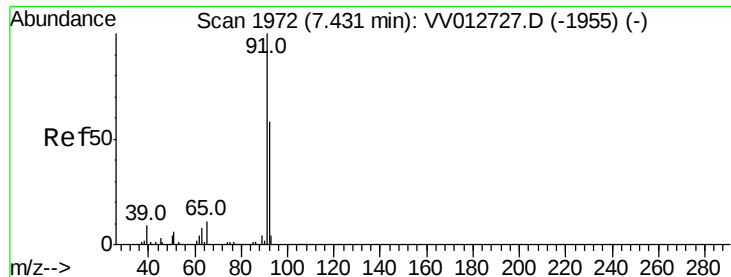


#40

4-Methyl-2-pentanone
Concen: 100.561 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion: 43 Resp: 910216
Ion Ratio Lower Upper
43 100
58 39.1 31.3 46.9
100 15.5 12.4 18.6





#42

Toluene

Concen: 51.611 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

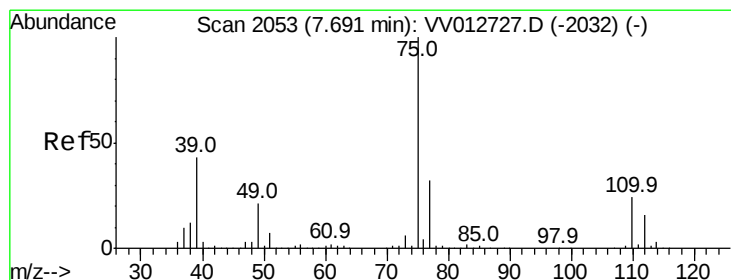
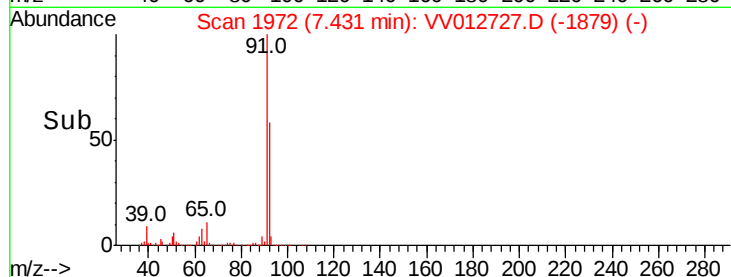
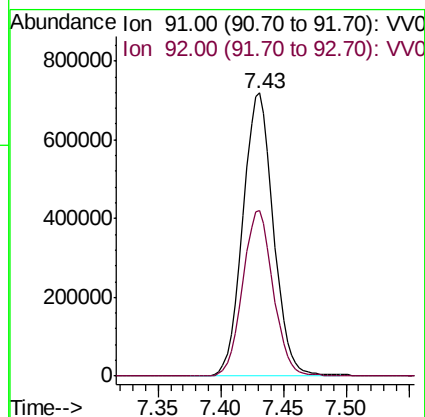
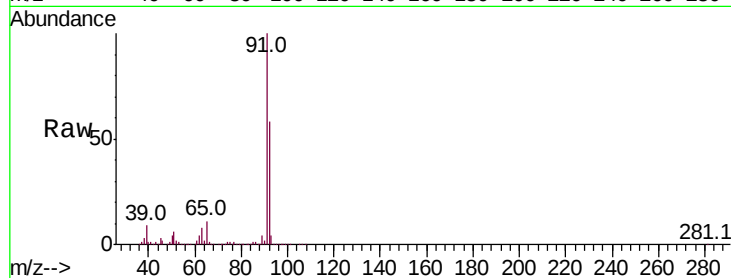
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1218925

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.699 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012727.D

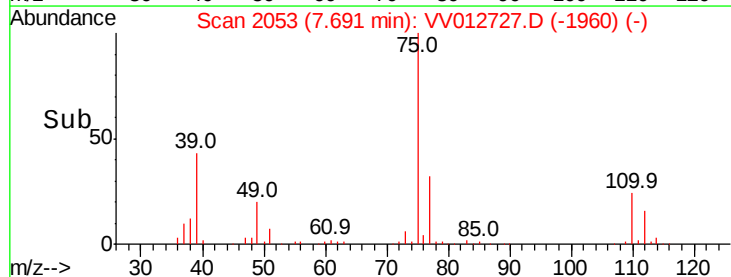
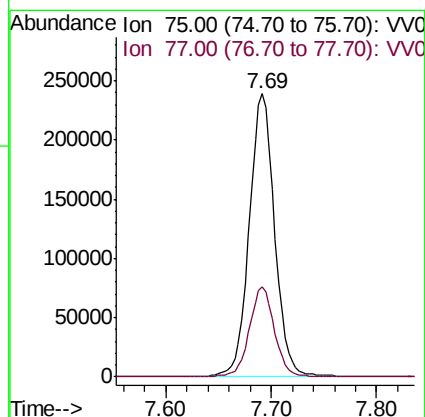
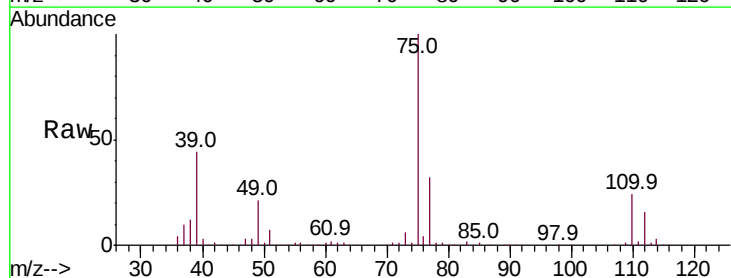
Acq: 13 Sep 2019 09:59

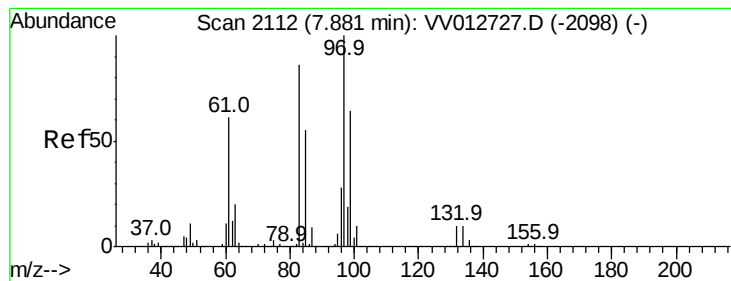
Tgt Ion: 75 Resp: 401221

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.518 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 309599

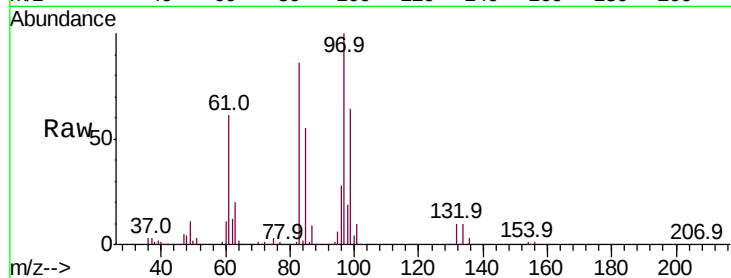
Ion Ratio Lower Upper

97 100

99 63.7 44.6 82.8

83 85.6 59.9 111.3

85 55.3 38.7 71.9

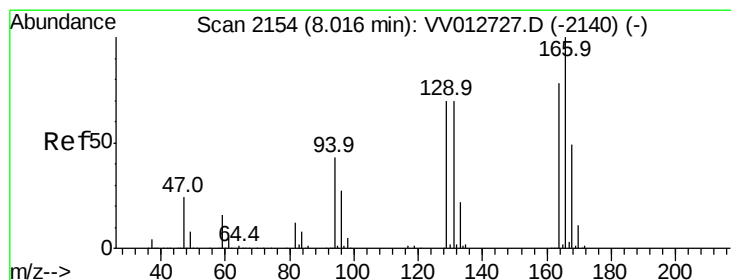
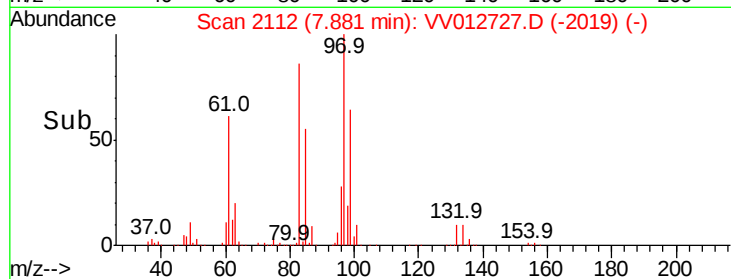
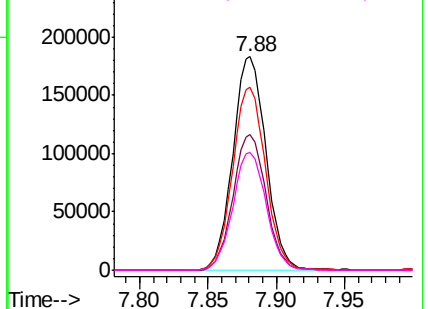


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.425 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Tgt Ion: 164 Resp: 226645

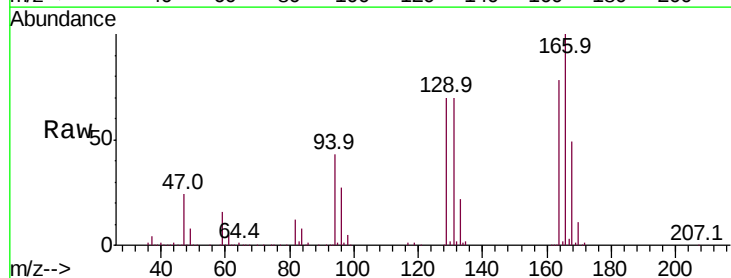
Ion Ratio Lower Upper

164 100

129 89.6 62.7 116.5

131 89.6 62.7 116.5

166 128.5 89.9 167.0

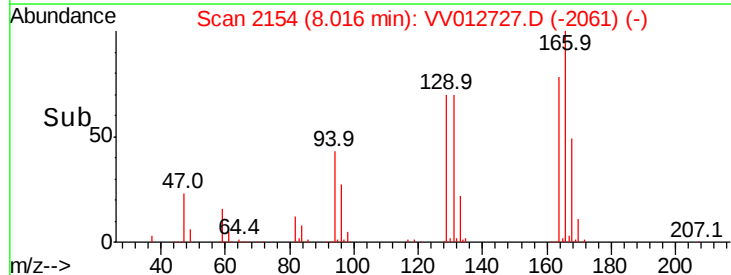
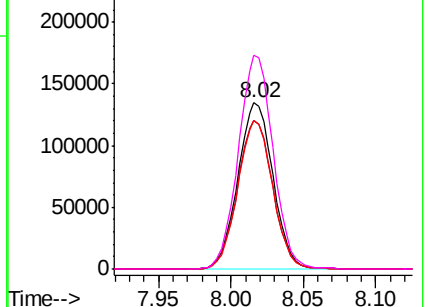


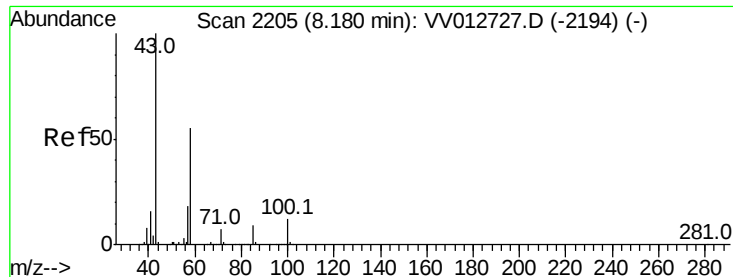
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

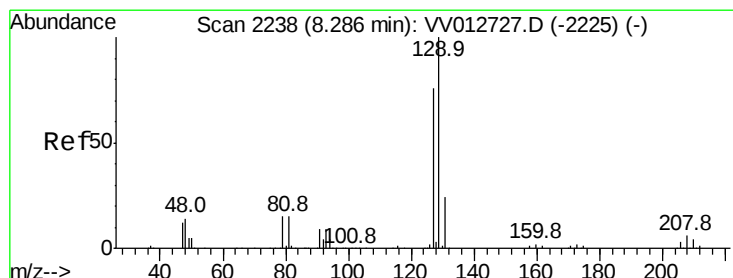
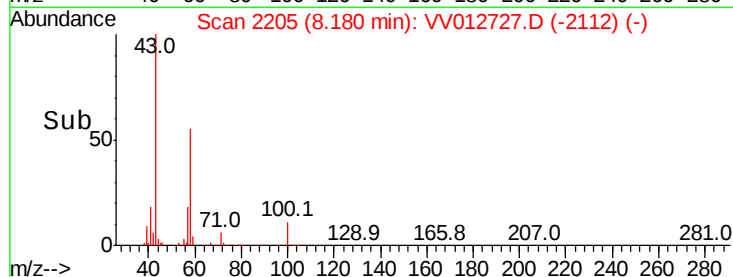
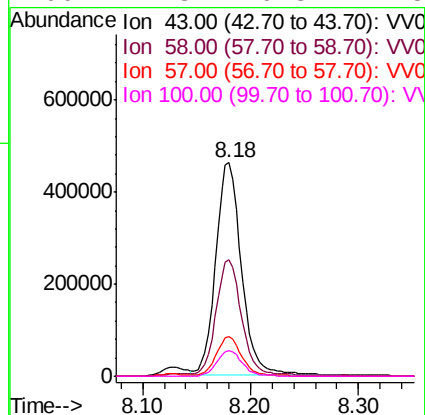
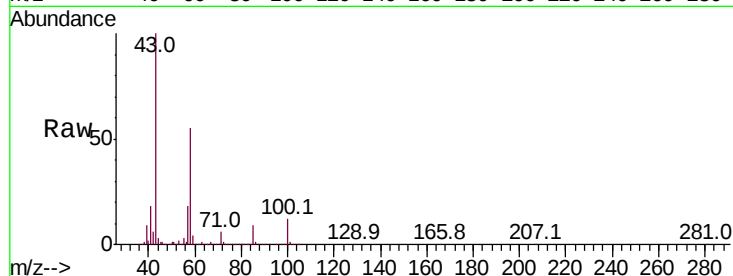




#48
2-Hexanone
Concen: 102.842 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

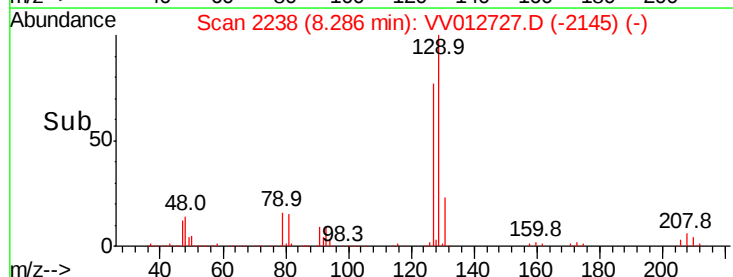
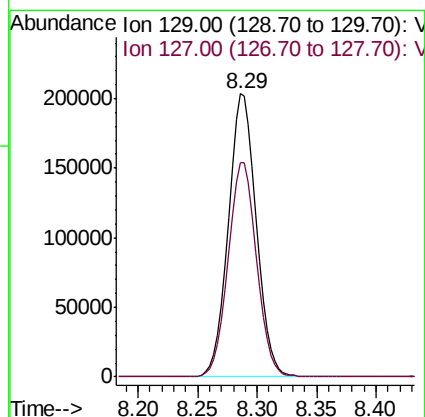
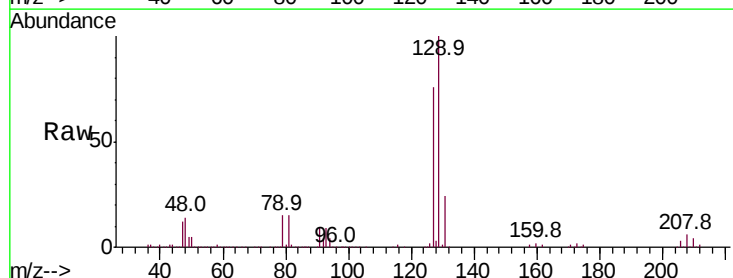
Instrument :
MSVOA_V
ClientSampleId :

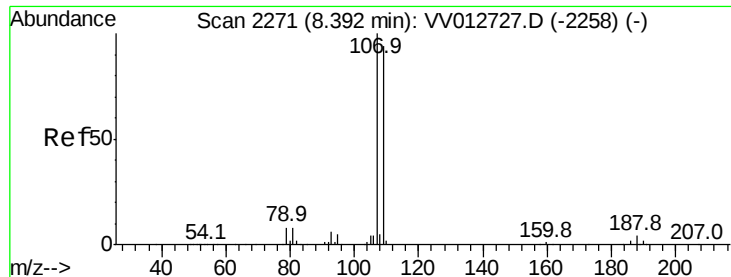
Tot Ion:	43	Resp:	765368
Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.8	65.8
57	17.9	14.3	21.5
100	12.3	9.8	14.8



#49
Dibromochloromethane
Concen: 49.571 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion:	129	Resp:	331434
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.0	98.4

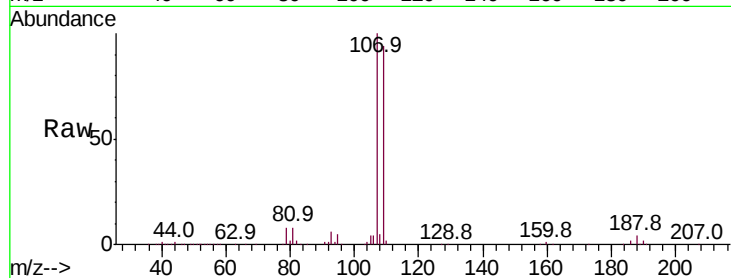




#50
1,2-Dibromoethane
Concen: 48.848 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.7	121.9
188	4.1	3.3	4.9

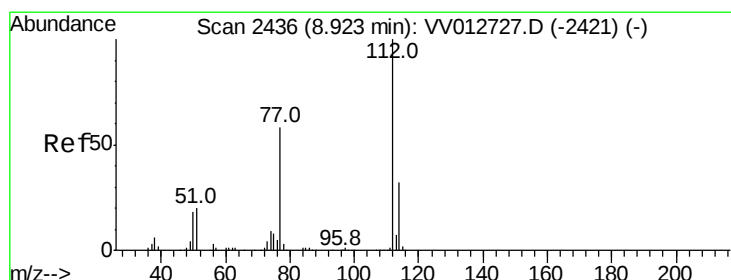
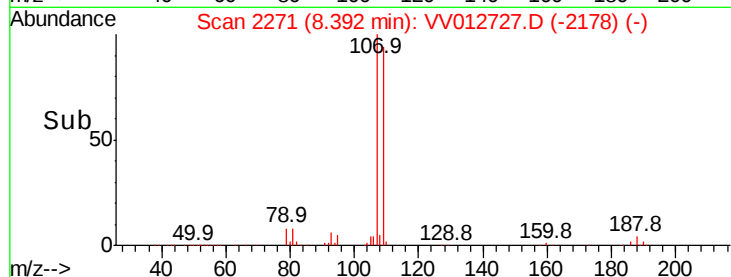
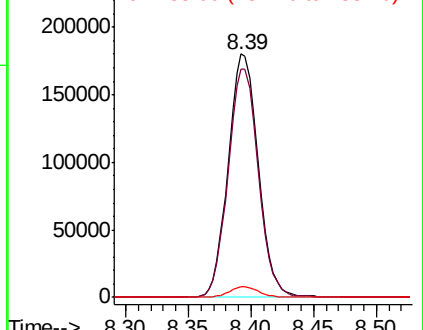


Abundance

Ion 107.00 (106.70 to 107.70): V

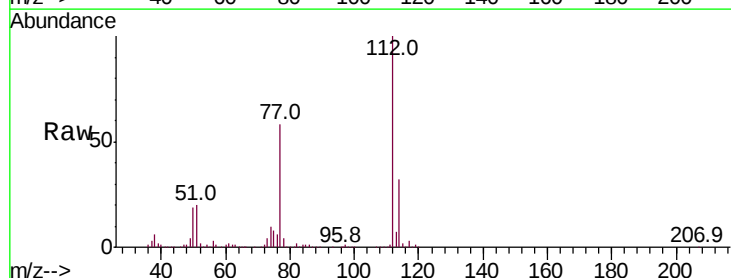
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 49.187 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012727.D
Acq: 13 Sep 2019 09:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	58.4	46.7	70.1

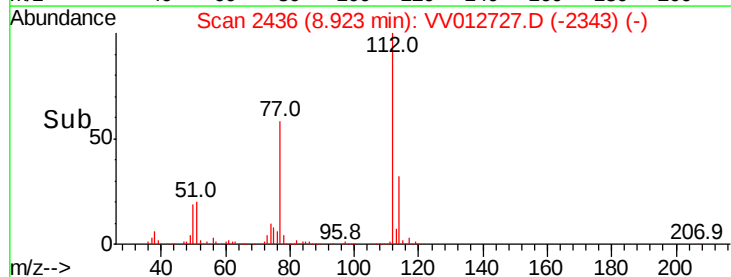
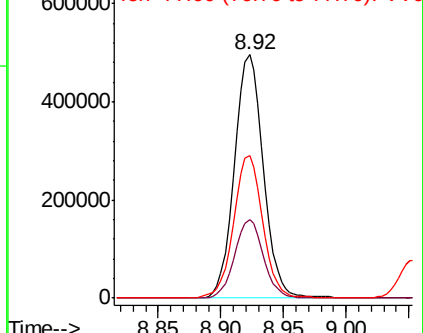


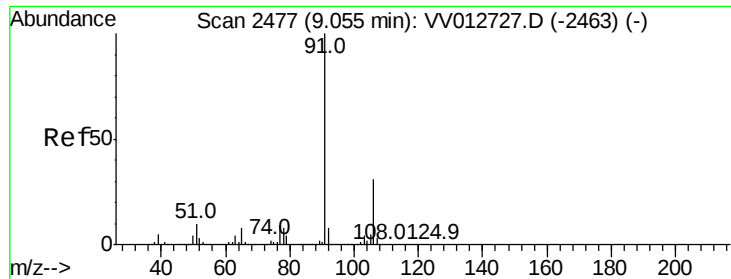
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 51.693 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

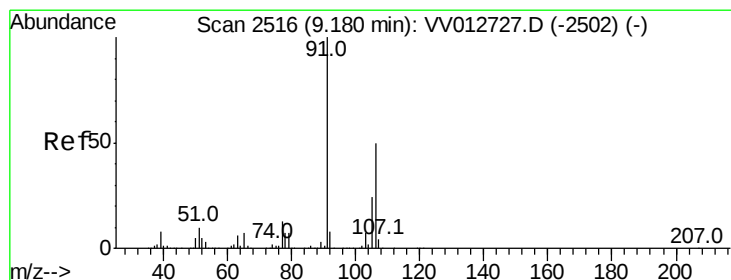
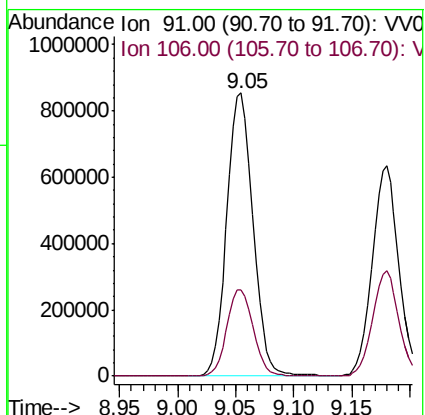
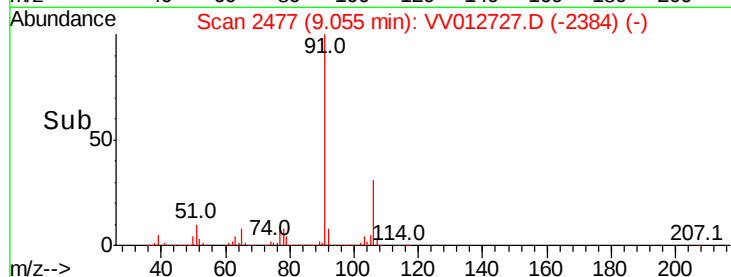
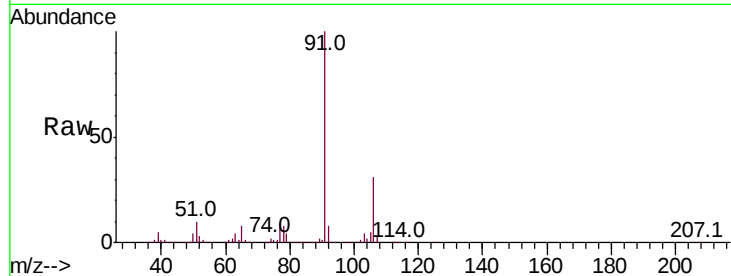
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1342154

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 52.428 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012727.D

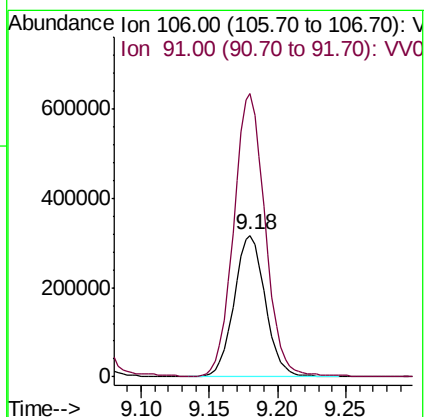
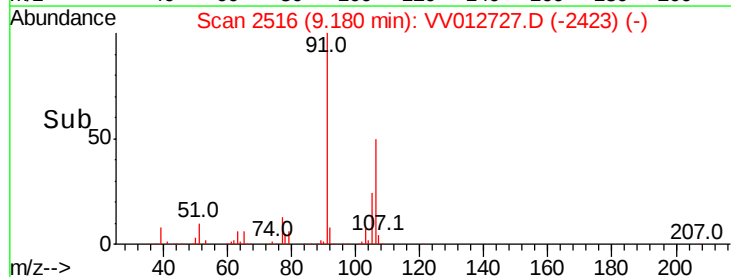
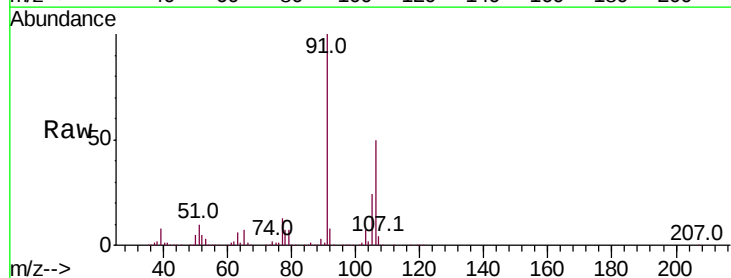
Acq: 13 Sep 2019 09:59

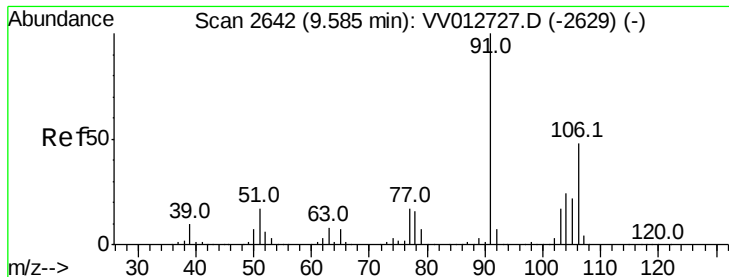
Tgt Ion: 106 Resp: 501305

Ion Ratio Lower Upper

106 100

91 199.8 139.9 259.7





#54

o-xylene

Concen: 52.323 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

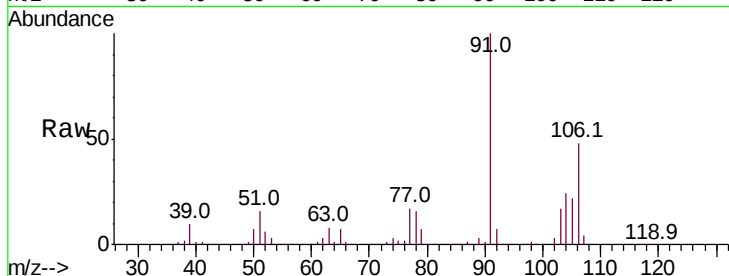
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 507898

Ion Ratio Lower Upper

106 100

91 209.3 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

800000

600000

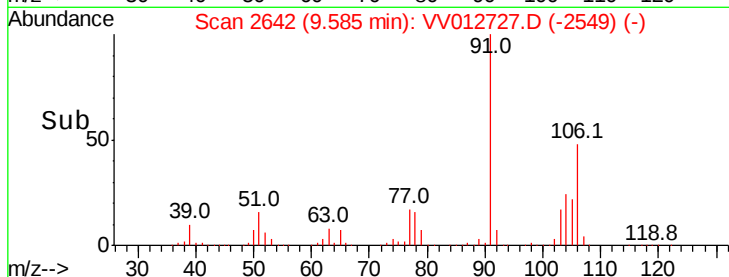
400000

200000

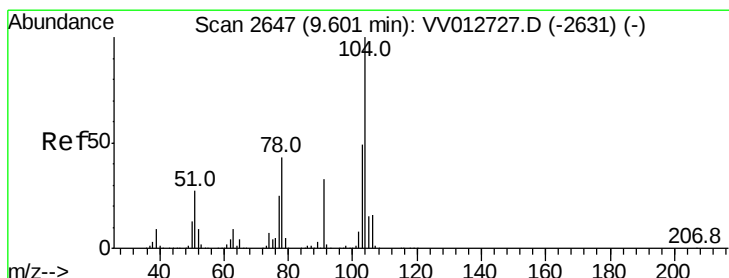
0

9.59

9.50 9.60 9.70



Time-->



#55

Styrene

Concen: 54.074 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012727.D

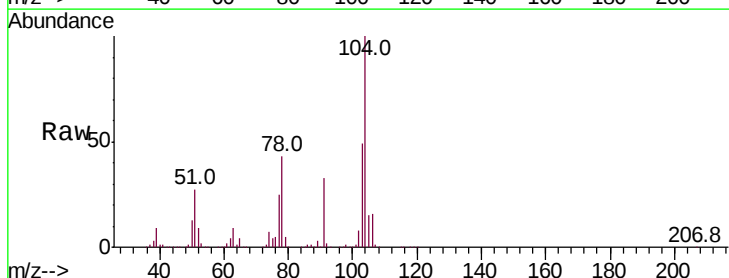
Acq: 13 Sep 2019 09:59

Tgt Ion:104 Resp: 890293

Ion Ratio Lower Upper

104 100

78 42.8 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

600000

500000

400000

300000

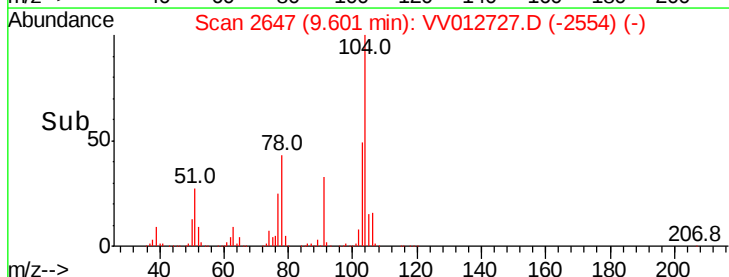
200000

100000

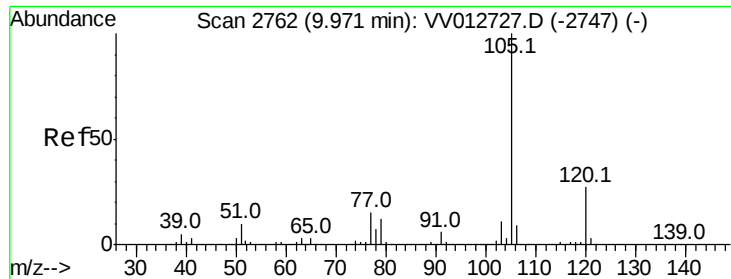
0

9.60

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 53.077 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :
MSVOA_V
ClientSampled :

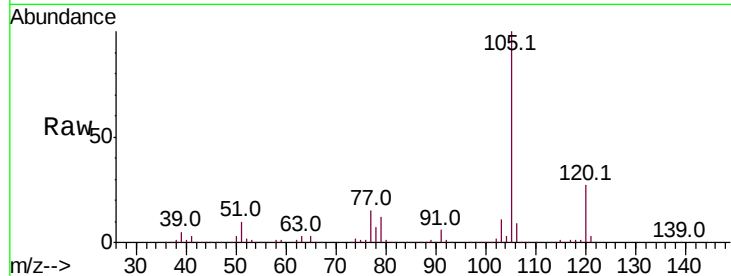
Tot Ion:105 Resp: 1353717

Ion Ratio Lower Upper

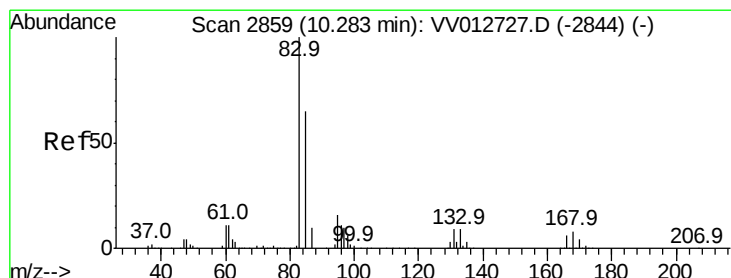
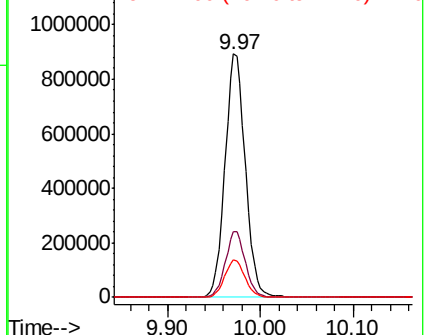
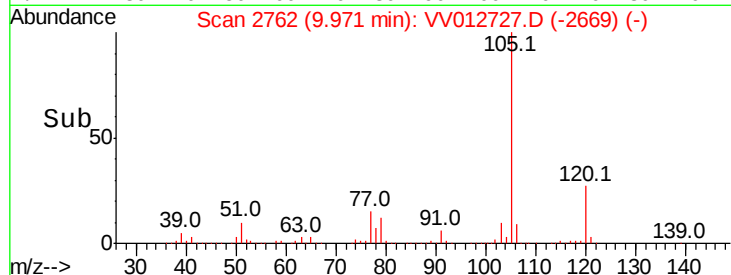
105 100

120 26.8 21.4 32.2

77 15.5 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: 48.953 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

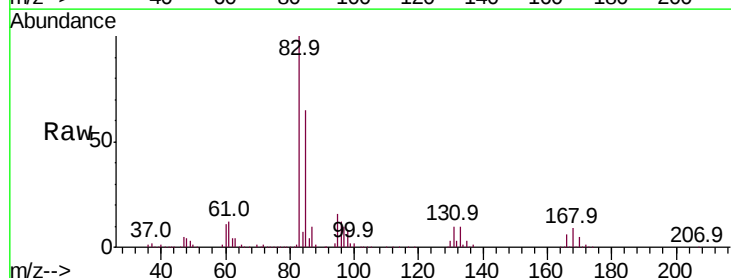
Tgt Ion: 83 Resp: 426538

Ion Ratio Lower Upper

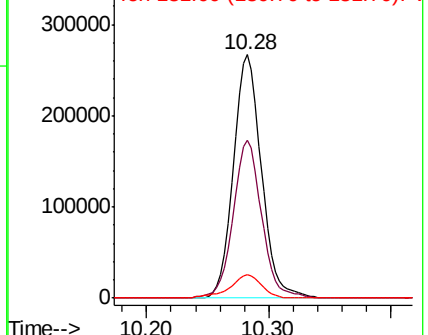
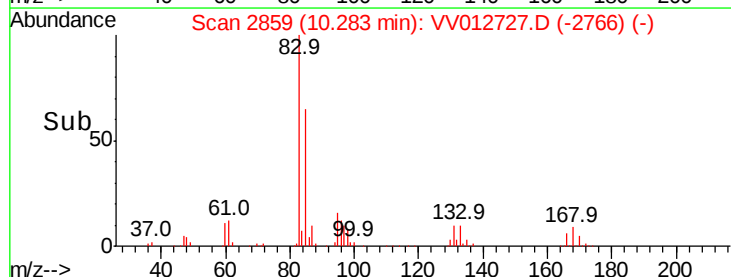
83 100

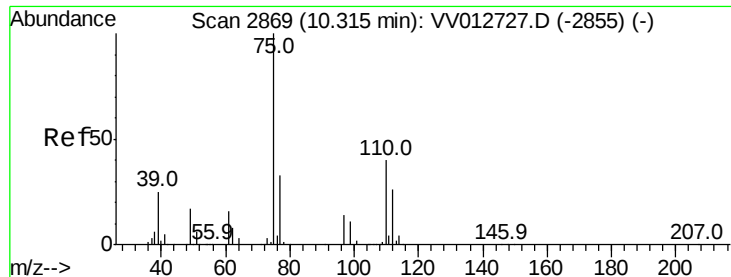
85 64.9 45.4 84.4

131 9.5 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: 48.713 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

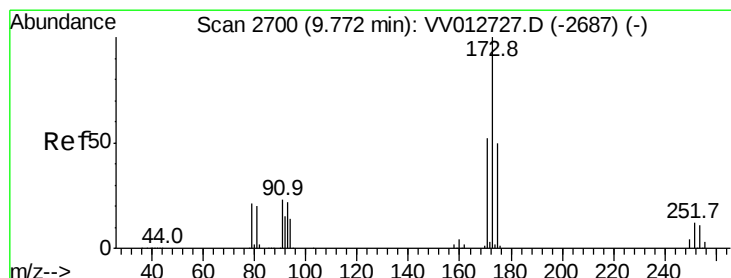
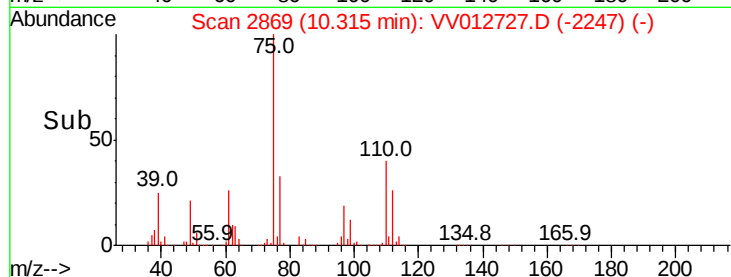
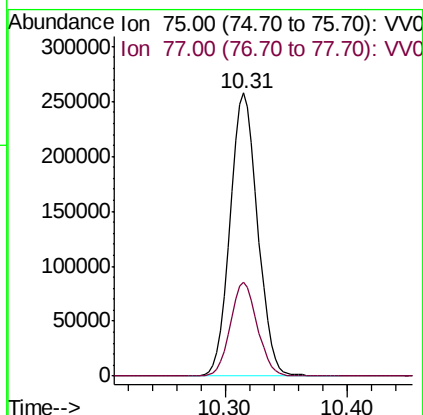
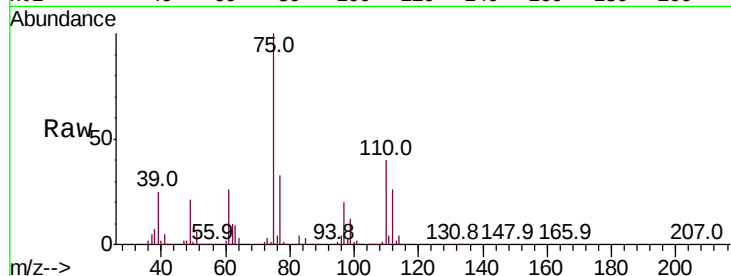
ClientSampled :

Tot Ion: 75 Resp: 405514

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 47.181 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

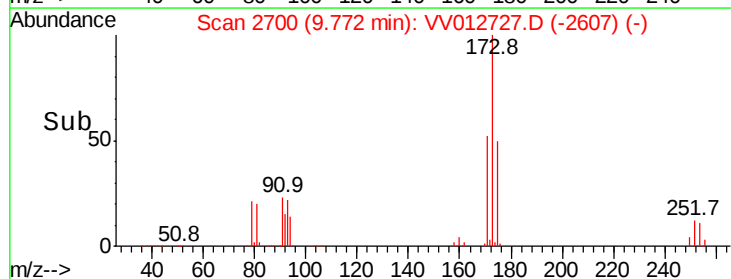
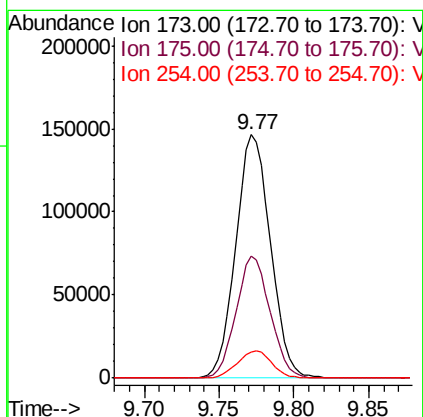
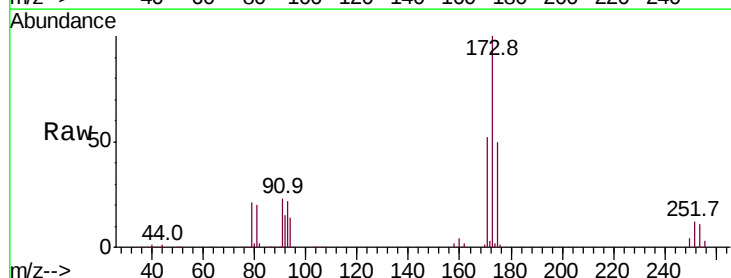
Tgt Ion: 173 Resp: 236726

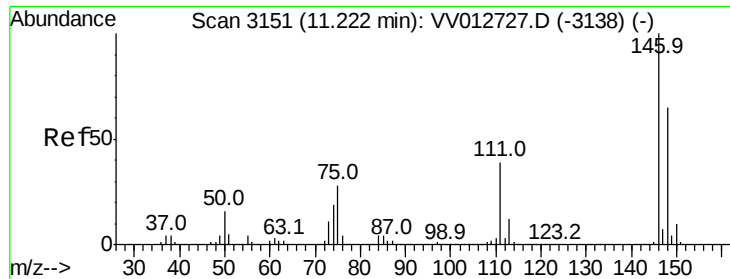
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 11.1 8.9 13.3

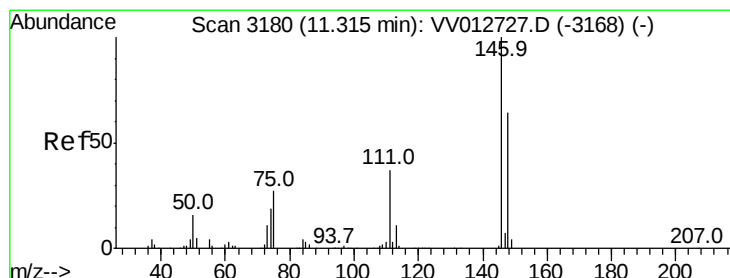
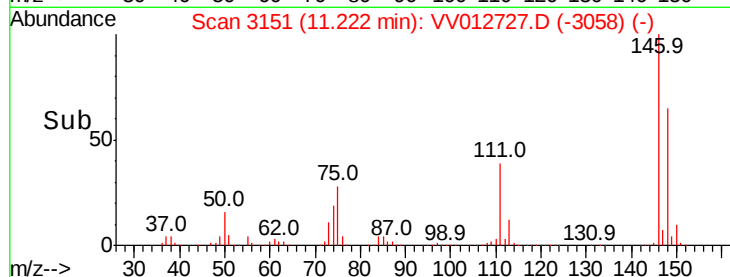
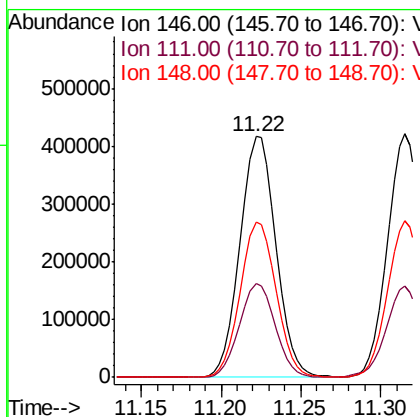
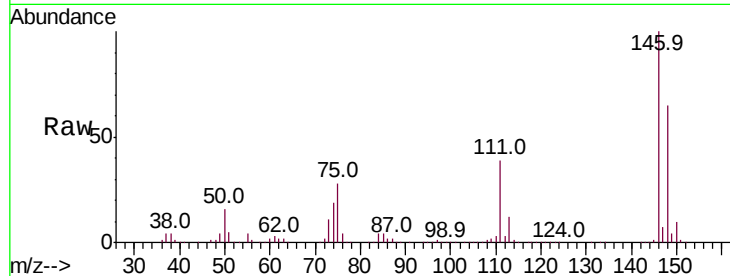




#62
 1,3-Dichlorobenzene
 Concen: 49.709 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012727.D
 Acq: 13 Sep 2019 09:59

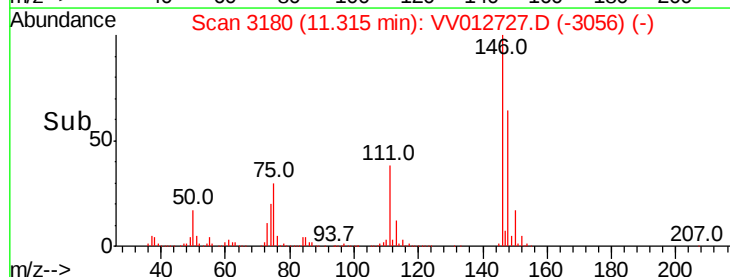
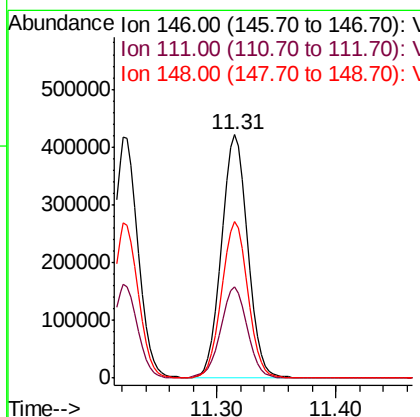
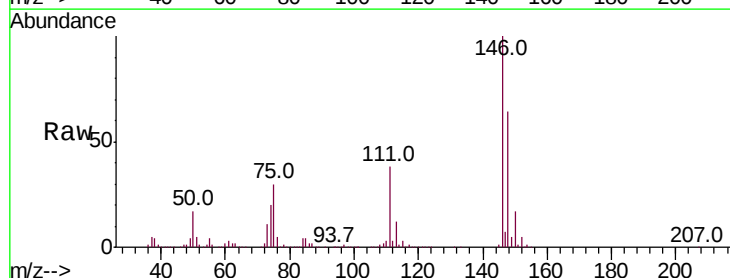
Instrument :
 MSVOA_V
 ClientSampleId :

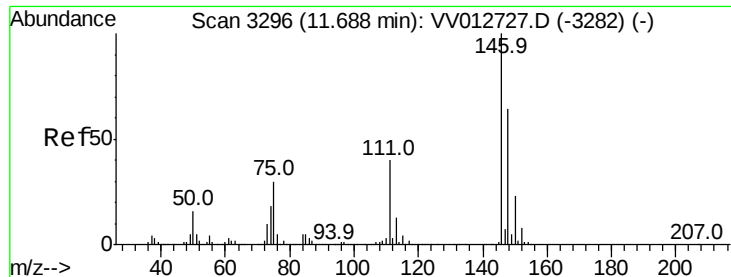
Tot Ion:146 Resp: 637968
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.6
 148 64.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 48.914 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012727.D
 Acq: 13 Sep 2019 09:59

Tgt Ion:146 Resp: 643943
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.2 48.8
 148 64.3 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 48.895 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

ClientSampled :

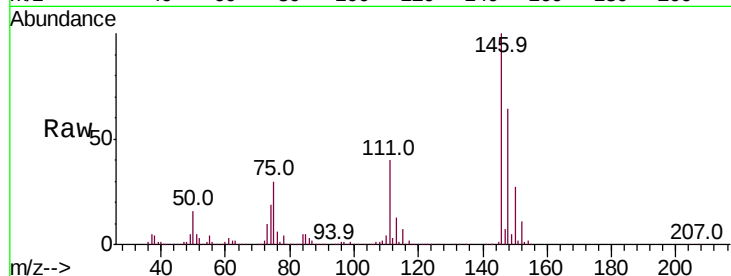
Tot Ion:146 Resp: 659797

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.2

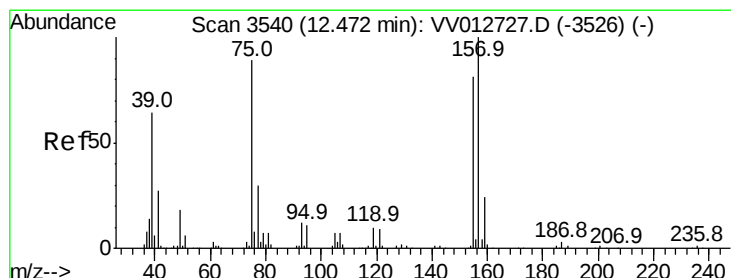
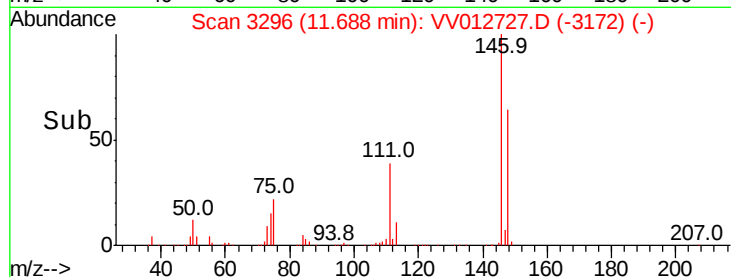
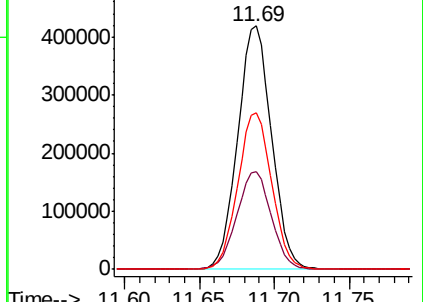
148 64.4 51.5 77.3



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: 45.268 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

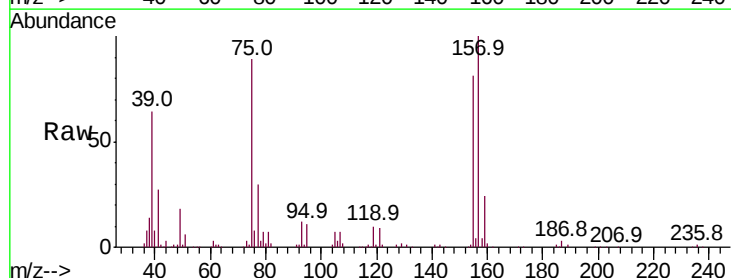
Tgt Ion: 75 Resp: 81548

Ion Ratio Lower Upper

75 100

155 91.7 73.4 110.0

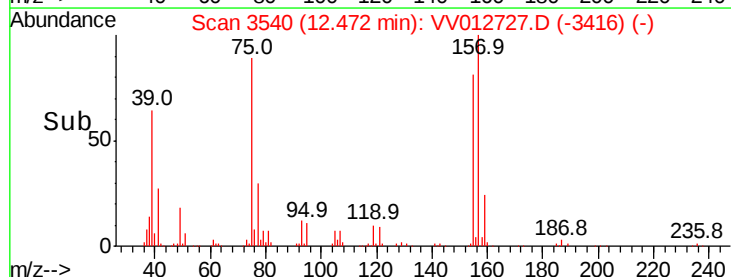
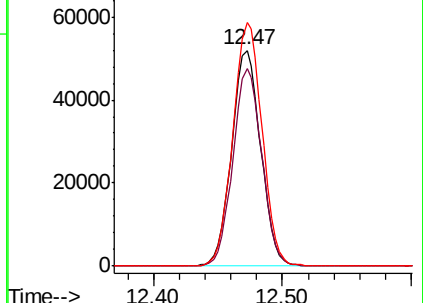
157 112.7 90.2 135.2

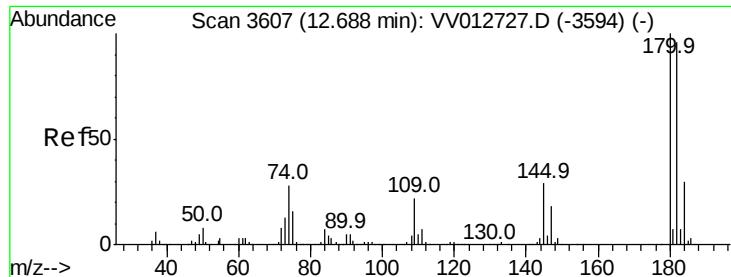


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

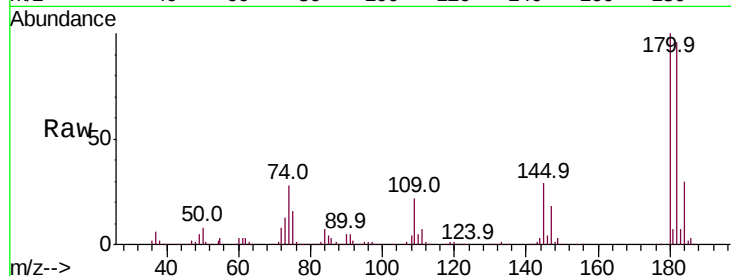




#67
 1,3,5-Trichlorobenzene
 Concen: 49.252 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012727.D
 Acq: 13 Sep 2019 09:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.5	24.4	36.6
145	28.2	22.6	33.8



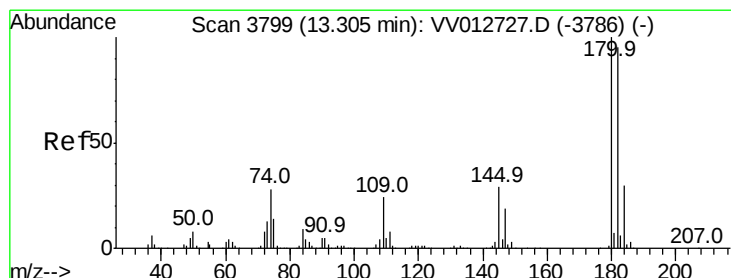
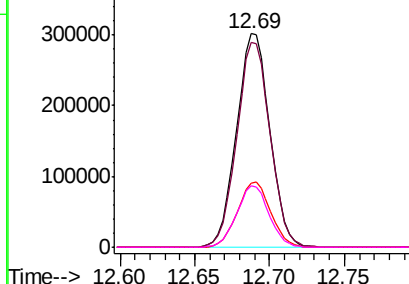
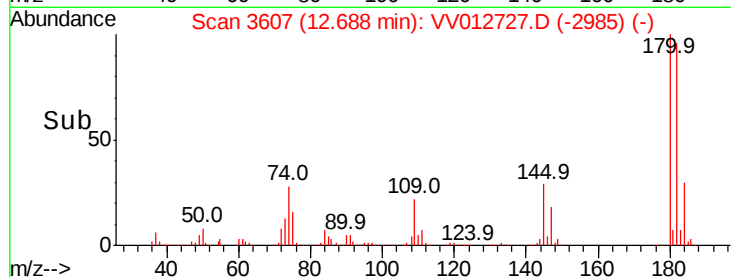
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

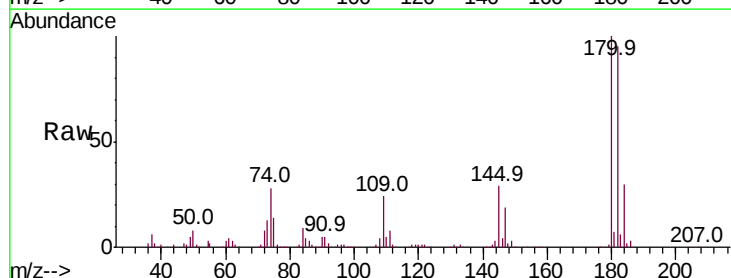
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.724 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012727.D
 Acq: 13 Sep 2019 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.7	23.0	34.4

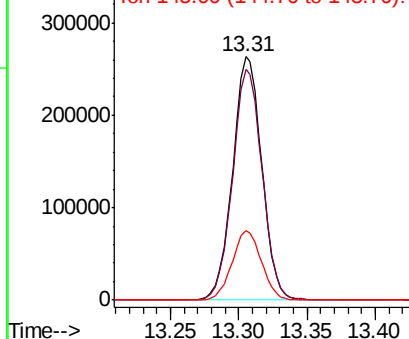
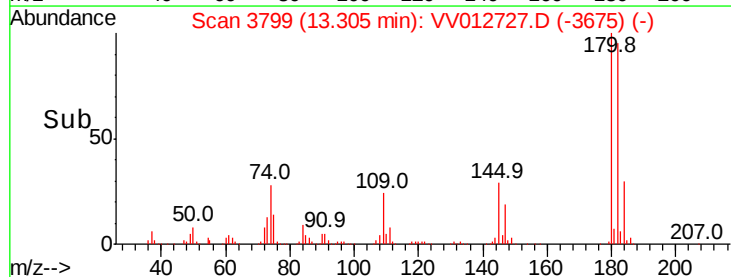


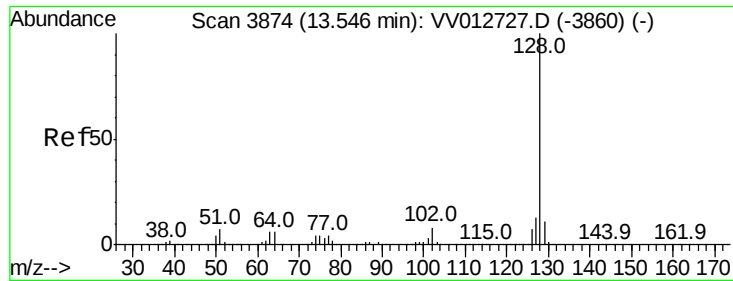
Abundance

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: 52.121 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

Instrument :

MSVOA_V

ClientSampleId :

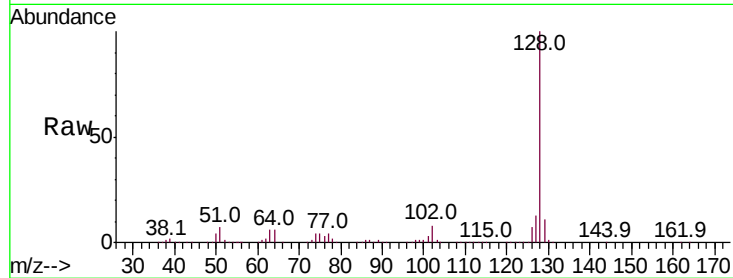
Tot Ion:128 Resp: 1207070

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

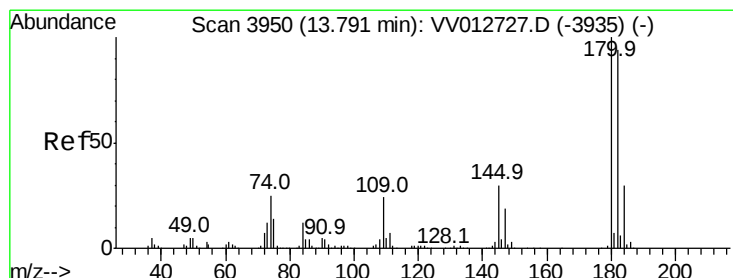
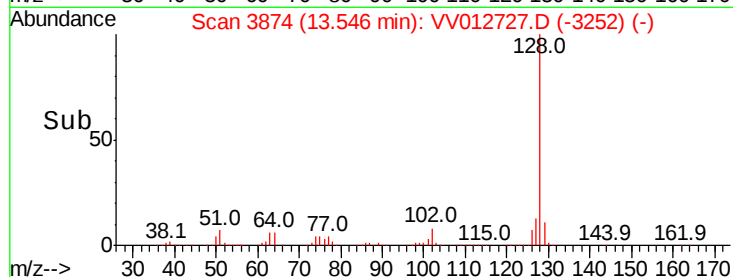
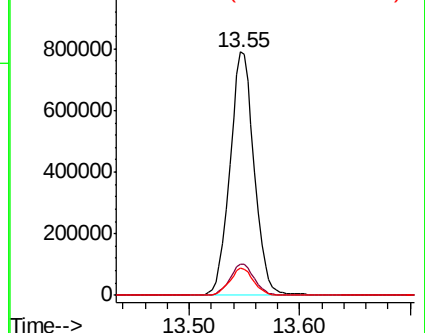
129 11.0 8.8 13.2



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: 51.280 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012727.D

Acq: 13 Sep 2019 09:59

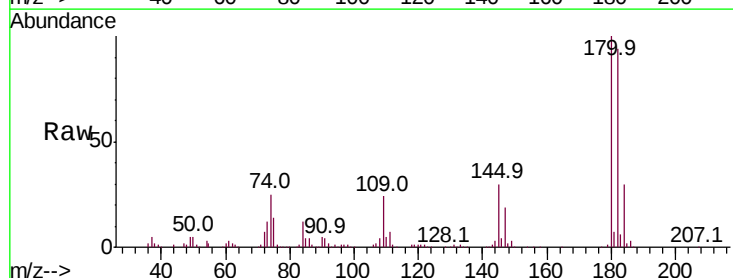
Tgt Ion:180 Resp: 445940

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 30.2 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

