

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012728.D
 Acq On : 13 Sep 2019 10:24
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 18:27:04 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	844186	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	812436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	406958	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	487899	101.98	ug/L	0.00
7) Chloroethane-d5	1.57	69	431188	100.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	929145	99.84	ug/L	0.00
21) 2-Butanone-d5	3.92	46	1042006	210.01	ug/L	0.00
24) Chloroform-d	4.40	84	1191869	100.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	724287	100.72	ug/L	0.00
32) Benzene-d6	5.10	84	2263179	104.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	781550	102.17	ug/L	0.00
41) Toluene-d8	7.36	98	2126541	107.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	346555	108.73	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	713919	243.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1047787	107.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	937341	100.92	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	527506	93.334	ug/L	100
3) Chloromethane	1.25	50	548377	92.986	ug/L	99
5) Vinyl chloride	1.32	62	560319	95.024	ug/L	100
6) Bromomethane	1.52	94	327216	98.662	ug/L	99
8) Chloroethane	1.59	64	354720	96.302	ug/L	99
9) Trichlorofluoromethane	1.77	101	777739	93.996	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	470157	92.045	ug/L	99
12) 1,1-Dichloroethene	2.14	96	424884	95.482	ug/L	91
13) Acetone	2.18	43	763361	186.392	ug/L	99
14) Carbon disulfide	2.32	76	932667	96.044	ug/L	100
15) Methyl Acetate	2.45	43	633022	97.374	ug/L	99
16) Methylene chloride	2.53	84	547189	93.718	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	467958	96.207	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1666787	99.345	ug/L	99
19) 1,1-Dichloroethane	3.23	63	1008832	95.951	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	593714	98.652	ug/L	98
22) 2-Butanone	4.00	43	1045968	205.560	ug/L	99
23) Bromochloromethane	4.30	128	293128	95.870	ug/L	97
25) Chloroform	4.42	83	1052721	95.307	ug/L	100
27) 1,2-Dichloroethane	5.18	62	791495	95.742	ug/L	98
29) Cyclohexane	4.72	56	794792	103.050	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	822716	96.845	ug/L	99
31) Carbon tetrachloride	4.87	117	707198	96.683	ug/L	100
33) Benzene	5.14	78	2188367	99.027	ug/L	100
34) Trichloroethene	5.96	95	600166	93.427	ug/L	98
35) Methylcyclohexane	6.18	83	819893	101.176	ug/L	100
37) 1,2-Dichloropropane	6.22	63	612482	96.375	ug/L	100
38) Bromodichloromethane	6.55	83	795039	97.187	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	915944	102.942	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1837963	208.971	ug/L	98

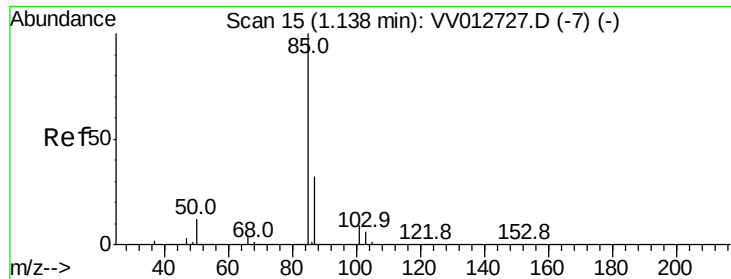
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 18:23:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2329148	101.492	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	815466	103.953	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	601728	97.044	ug/L	99
46) Tetrachloroethene	8.02	164	426787	95.781	ug/L	99
48) 2-Hexanone	8.18	43	1504574	208.055	ug/L	99
49) Dibromochloromethane	8.29	129	659634	101.532	ug/L	98
50) 1,2-Dibromoethane	8.39	107	591953	99.098	ug/L	99
51) Chlorobenzene	8.92	112	1537337	97.774	ug/L	99
52) Ethylbenzene	9.05	91	2609575	103.435	ug/L	98
53) m,p-Xylene	9.18	106	987548	106.288	ug/L	99
54) o-xylene	9.59	106	998535	105.864	ug/L	98
55) Styrene	9.60	104	1737777	108.622	ug/L	100
56) Isopropylbenzene	9.97	105	2630188	106.129	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	870609	102.829	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	791677	97.871	ug/L	100
61) Bromoform	9.77	173	477284	97.125	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1226586	97.581	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1230632	95.443	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1271932	96.237	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	180844	102.496	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	913023	98.319	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	811452	103.420	ug/L	99
69) Naphthalene	13.55	128	2607509	114.958	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	870670	102.223	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 93.334 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

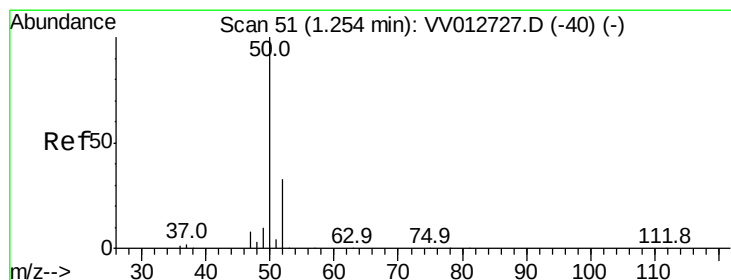
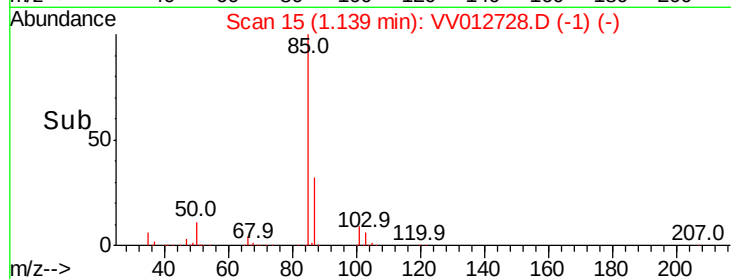
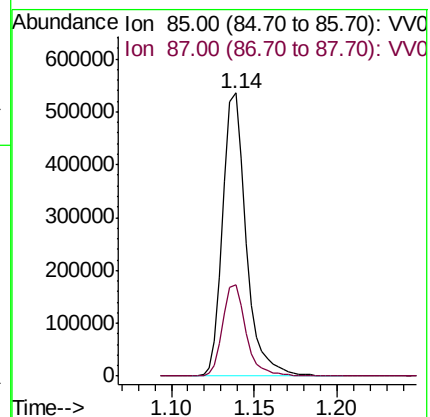
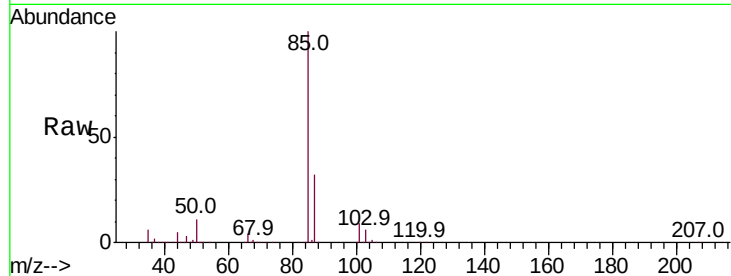
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 527506

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6



#3

Chloromethane

Concen: 92.986 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012728.D

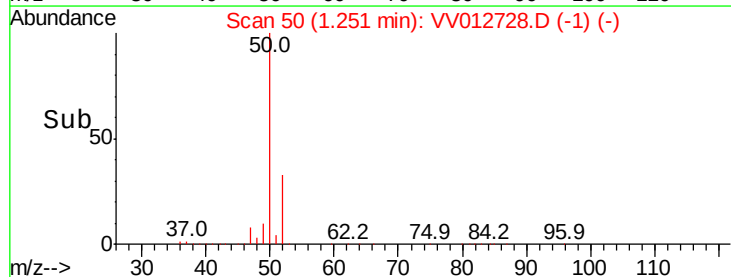
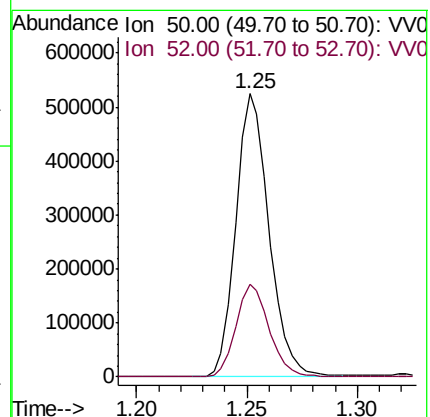
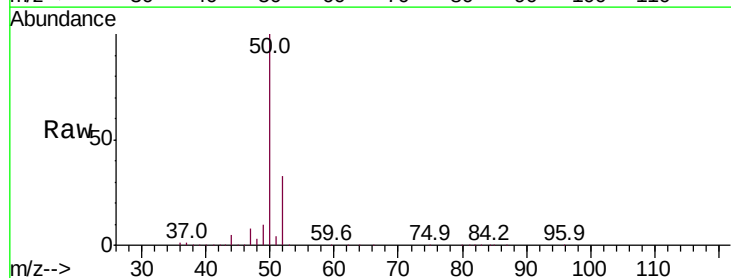
Acq: 13 Sep 2019 10:24

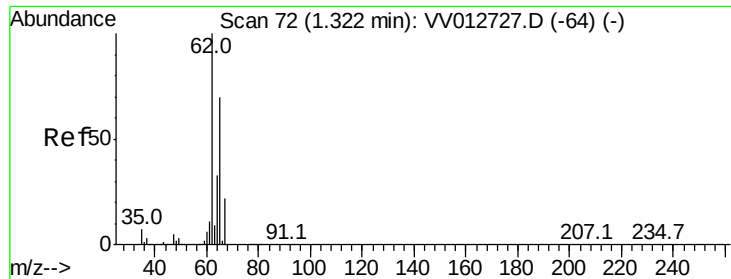
Tgt Ion: 50 Resp: 548377

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.4





#5

Vinyl chloride

Concen: 95.024 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :

MSVOA_V

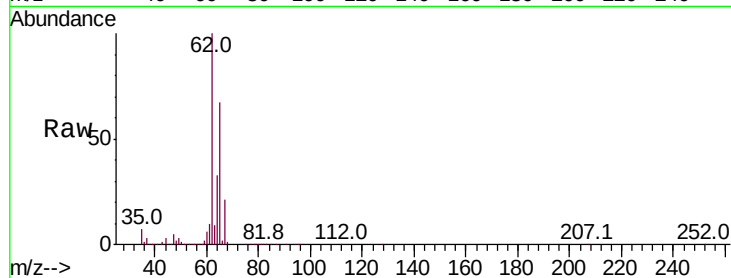
ClientSampleId :

Tot Ion: 62 Resp: 560319

Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

600000

400000

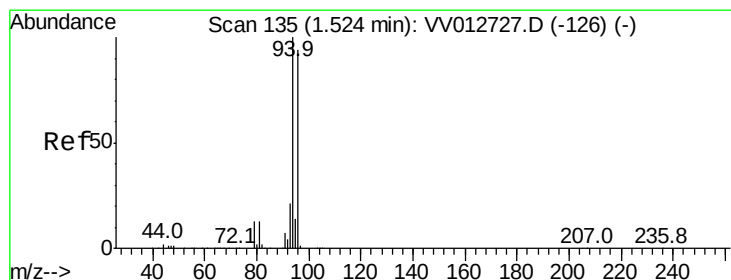
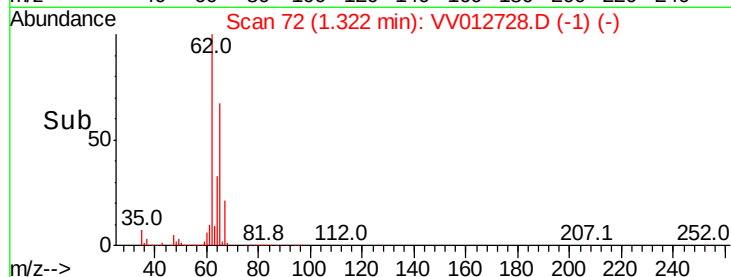
200000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 98.662 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV012728.D

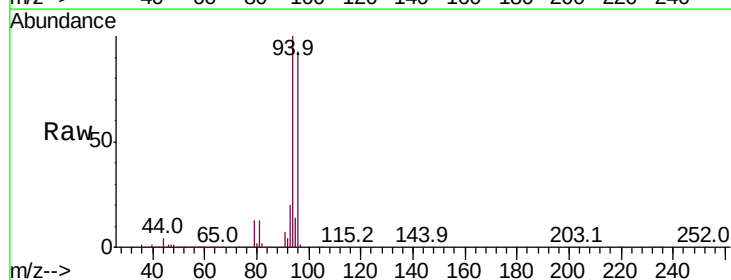
Acq: 13 Sep 2019 10:24

Tgt Ion: 94 Resp: 327216

Ion Ratio Lower Upper

94 100

96 92.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

300000

250000

200000

150000

100000

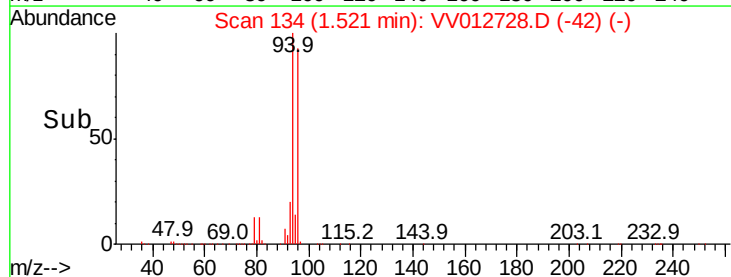
50000

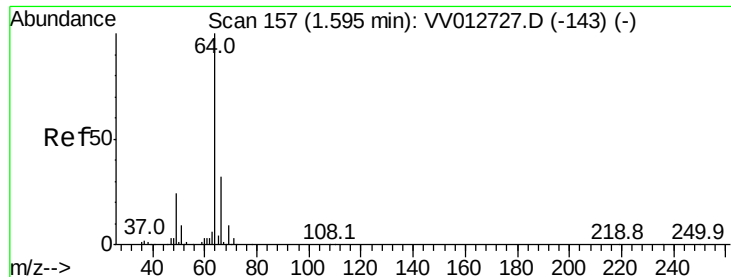
0

1.52

1.50 1.55

Time-->





#8

Chloroethane

Concen: 96.302 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :

MSVOA_V

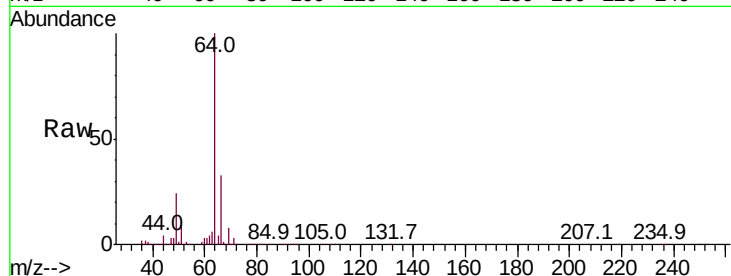
ClientSampleId :

Tot Ion: 64 Resp: 354720

Ion Ratio Lower Upper

64 100

66 32.6 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) (-)

1.59

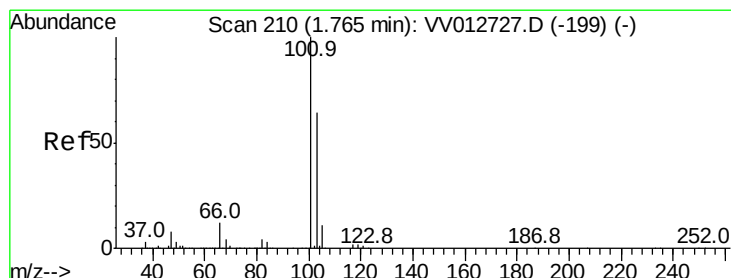
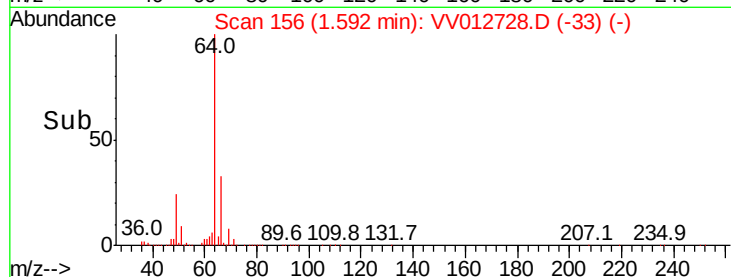
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 93.996 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV012728.D

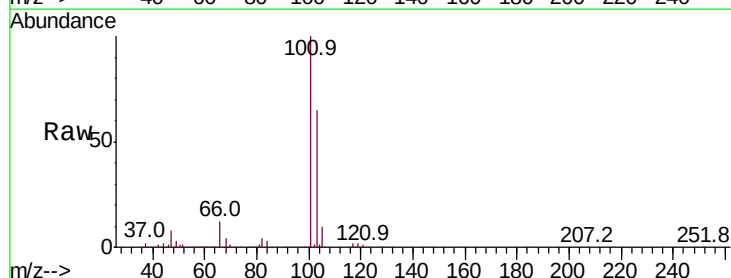
Acq: 13 Sep 2019 10:24

Tgt Ion: 101 Resp: 777739

Ion Ratio Lower Upper

101 100

103 64.9 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) (-)

1.77

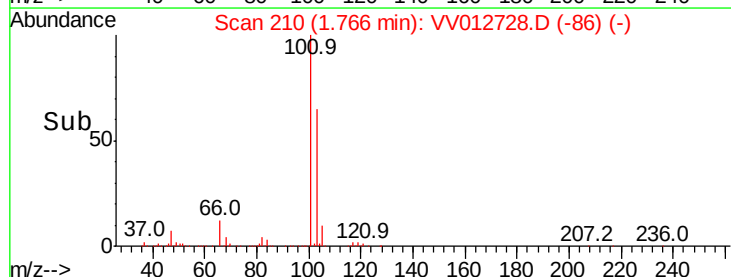
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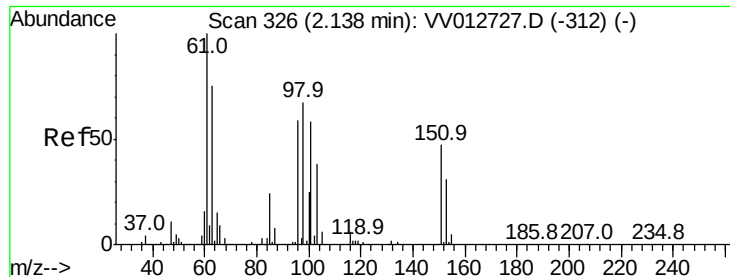
400000

200000

0

Time-->





#10

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

Concen: 92.045 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :

MSVOA_V

ClientSampleId :

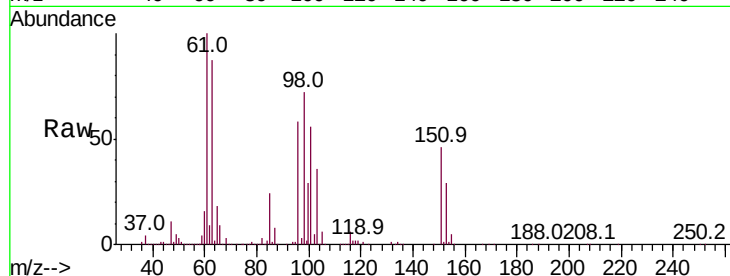
Tot Ion:101 Resp: 470157

Ion Ratio Lower Upper

101 100

85 42.4 32.7 49.1

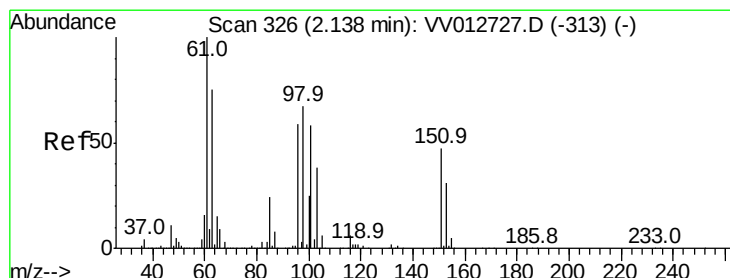
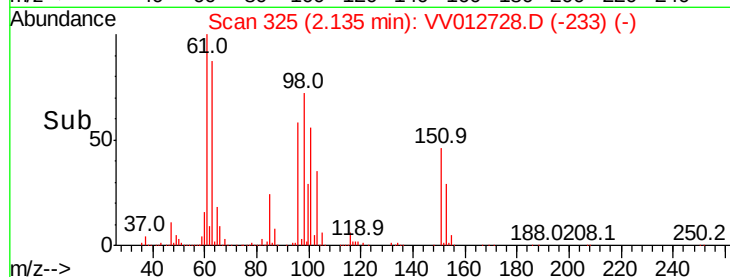
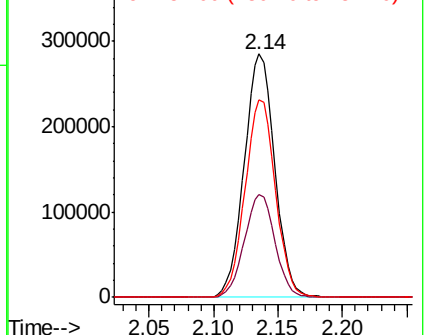
151 81.1 65.0 97.4



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: 95.482 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

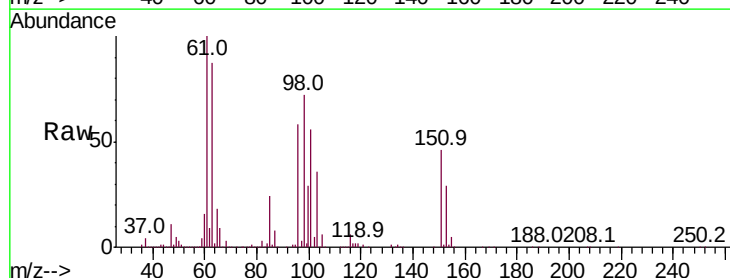
Tgt Ion: 96 Resp: 424884

Ion Ratio Lower Upper

96 100

61 171.3 118.0 219.2

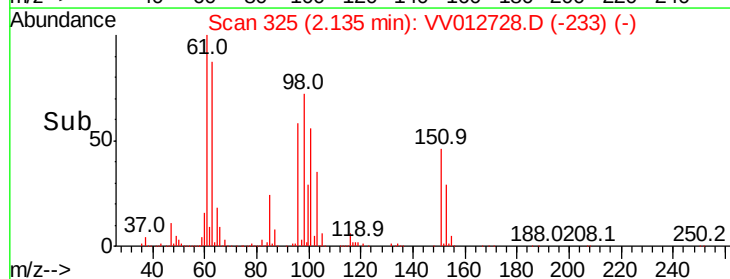
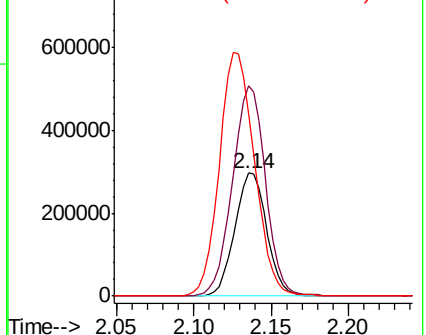
63 148.6 89.2 165.6

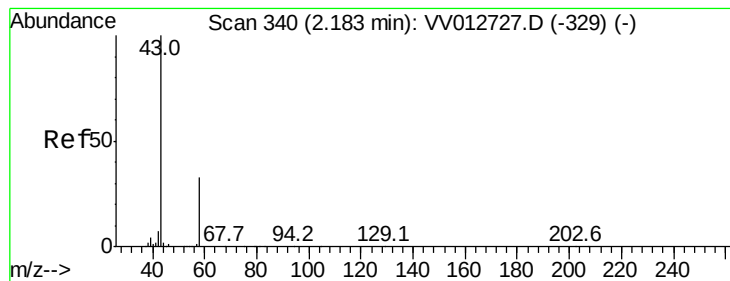


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 186.392 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

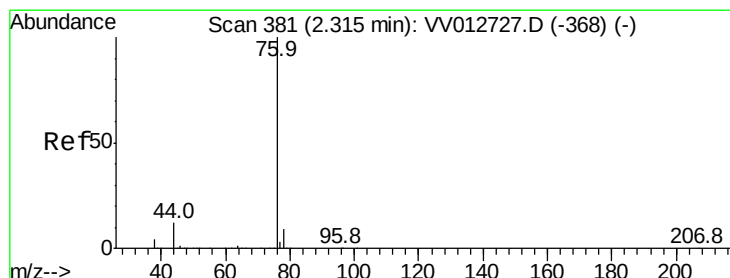
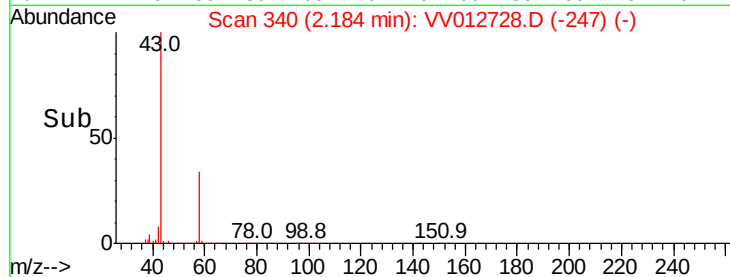
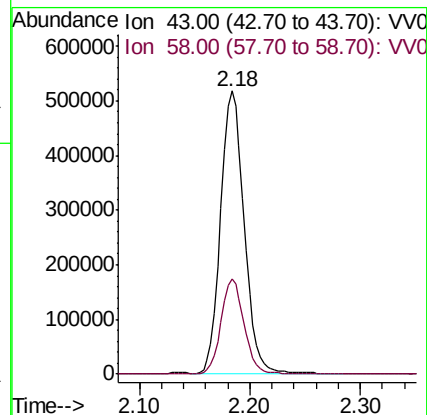
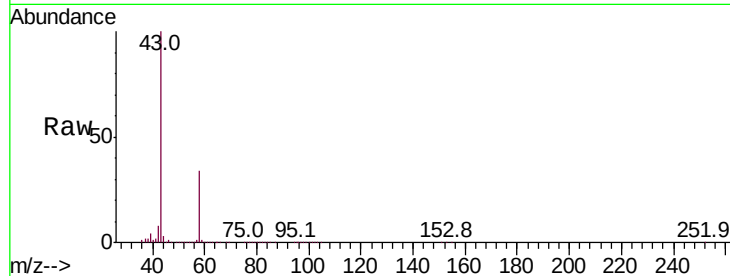
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 763361

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



#14

Carbon disulfide

Concen: 96.044 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012728.D

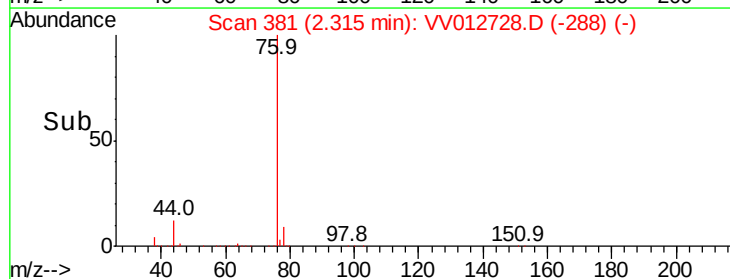
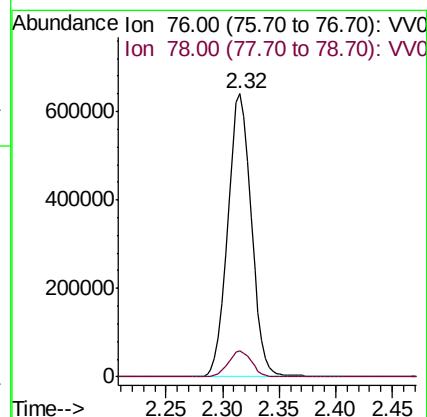
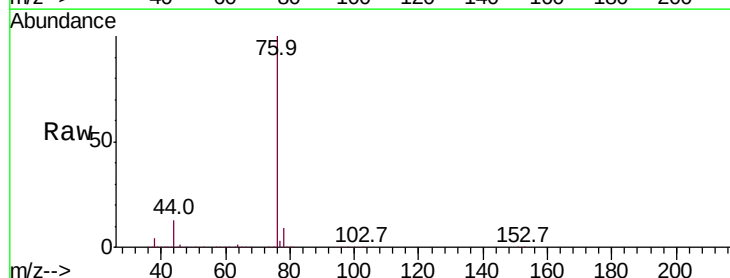
Acq: 13 Sep 2019 10:24

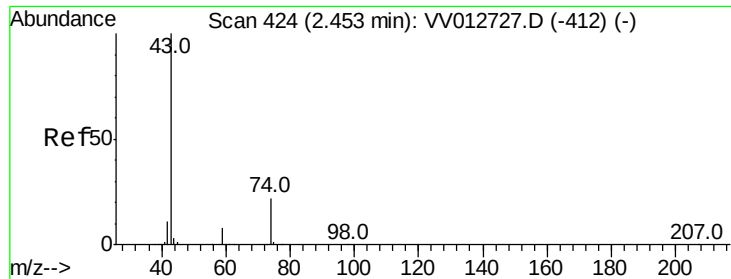
Tgt Ion: 76 Resp: 932667

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

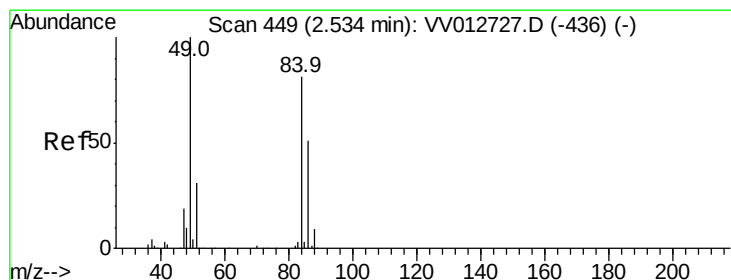
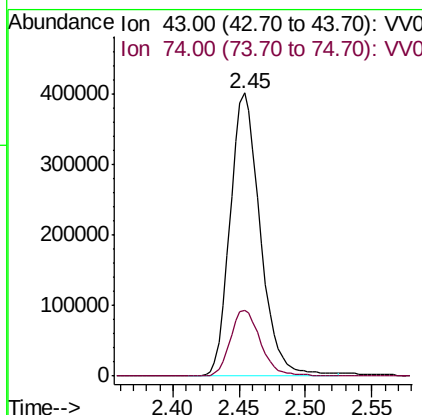
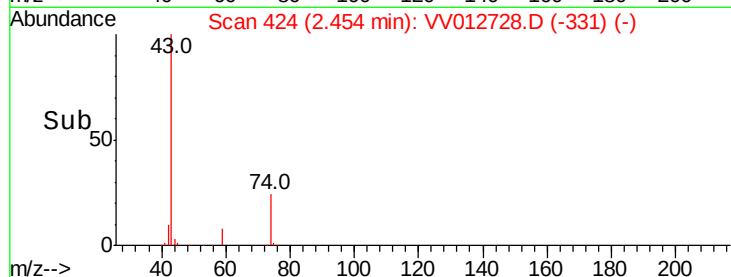
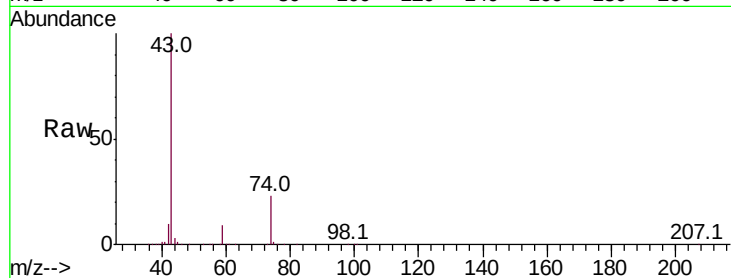




#15
Methvl Acetate
Concen: 97.374 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

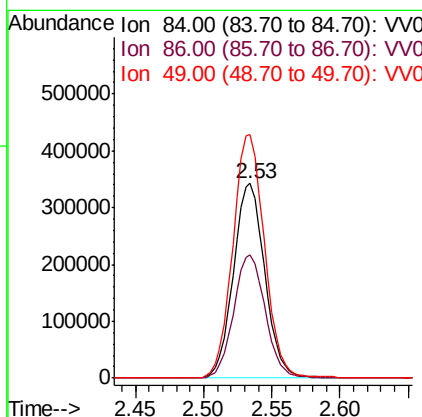
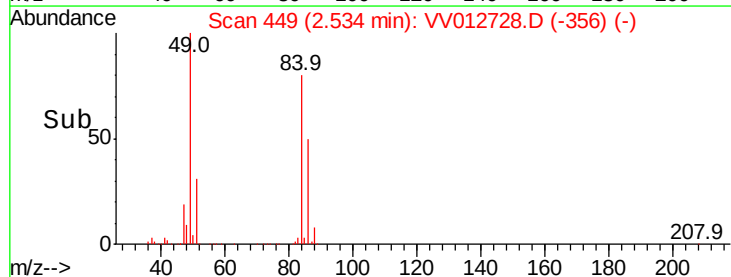
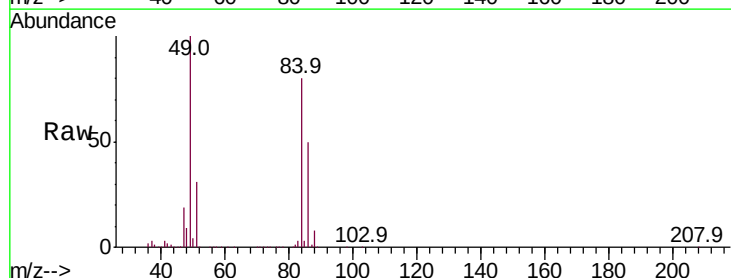
Instrument :
MSVOA_V
ClientSampleId :

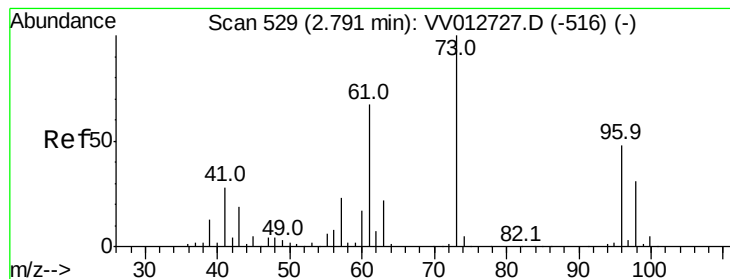
Tot Ion: 43 Resp: 633022
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8



#16
Methylene chloride
Concen: 93.718 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion: 84 Resp: 547189
Ion Ratio Lower Upper
84 100
86 63.1 44.0 81.8
49 125.2 86.2 160.0





#17

trans-1,2-Dichloroethene

Concen: 96.207 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampled :

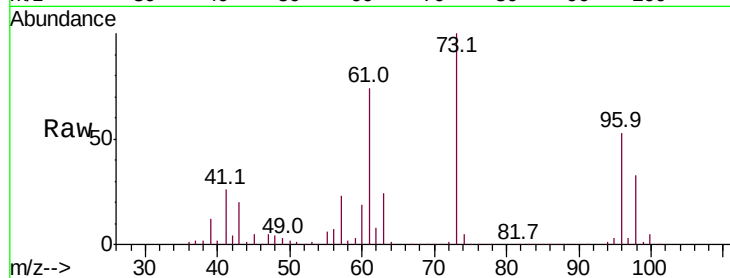
Tot Ion: 96 Resp: 467958

Ion Ratio Lower Upper

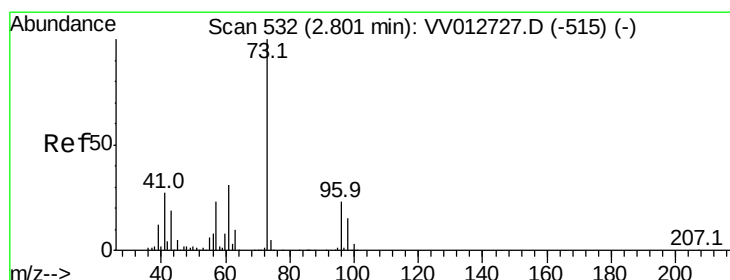
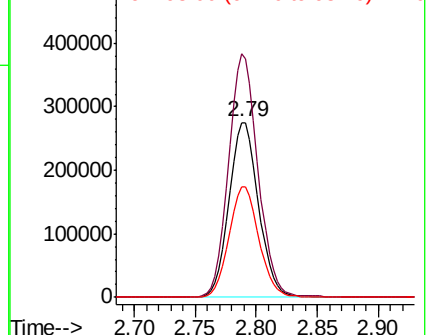
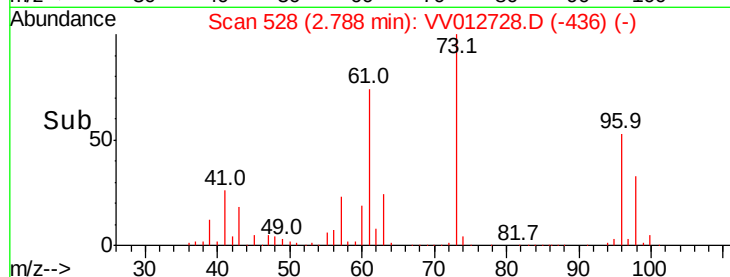
96 100

61 139.3 98.3 182.5

98 63.3 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: 99.345 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

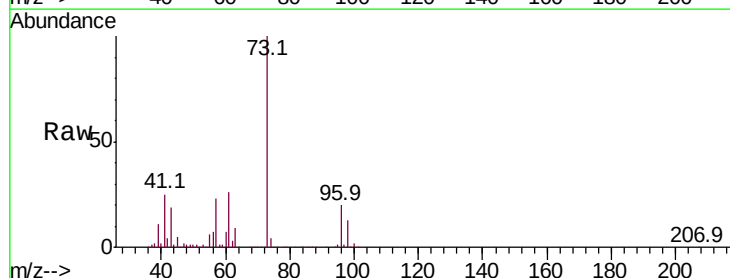
Tgt Ion: 73 Resp: 1666787

Ion Ratio Lower Upper

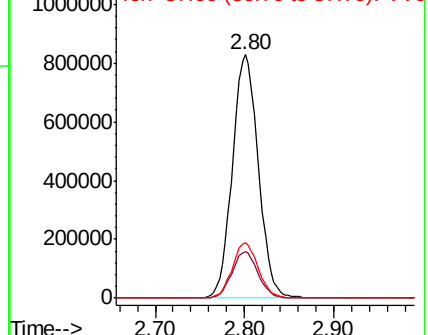
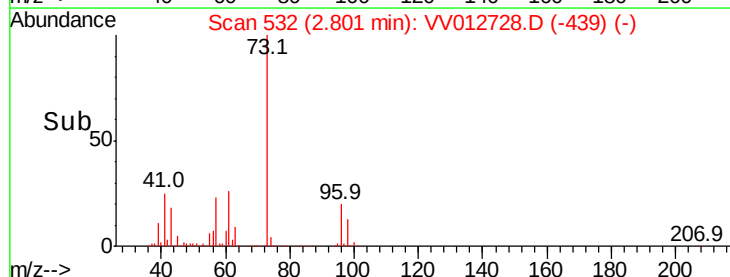
73 100

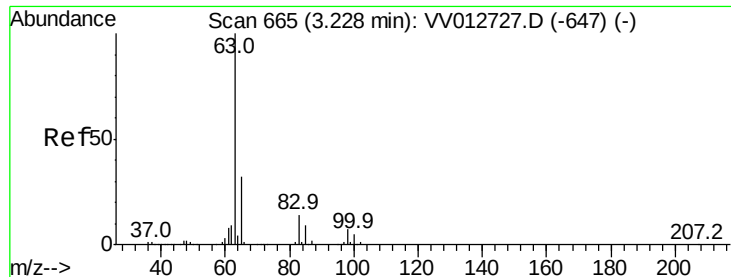
43 19.0 15.4 23.2

57 22.6 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: 95.951 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

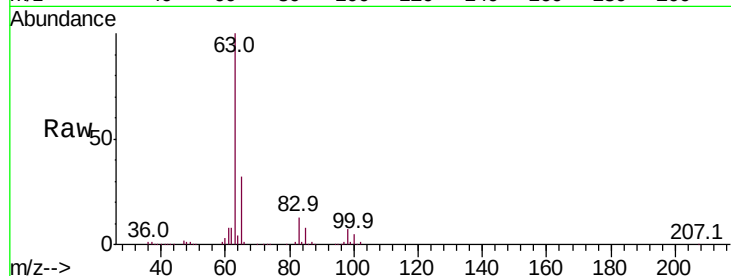
Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 1008832

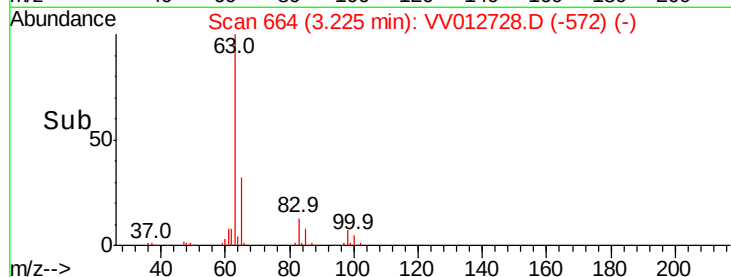
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.2	41.2
83	13.1	9.6	17.8



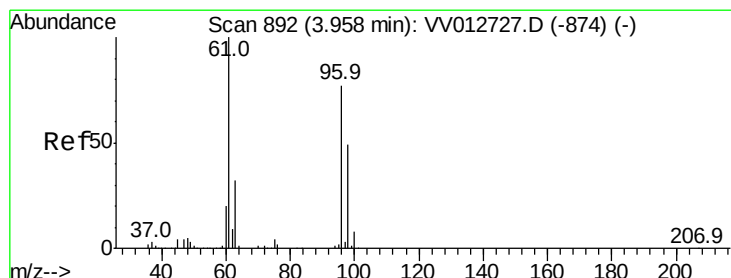
Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



Time-->



#20

cis-1,2-Dichloroethene

Concen: 98.652 ug/L

RT: 3.96 min Scan# 892

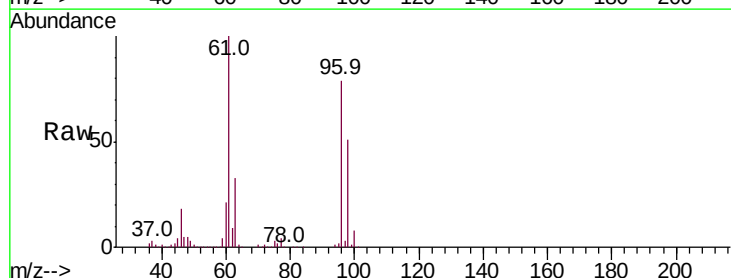
Delta R.T. 0.00 min

Lab File: VV012728.D

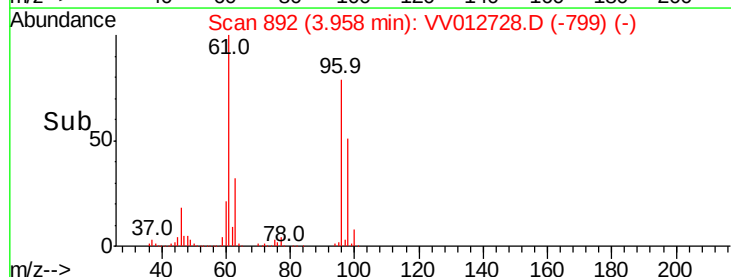
Acq: 13 Sep 2019 10:24

Tgt Ion: 96 Resp: 593714

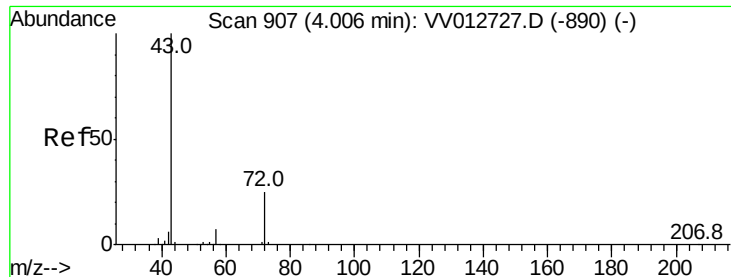
Ion	Ratio	Lower	Upper
96	100		
61	127.0	90.6	168.3
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0



Time-->



#22

2-Butanone

Concen: 205.560 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

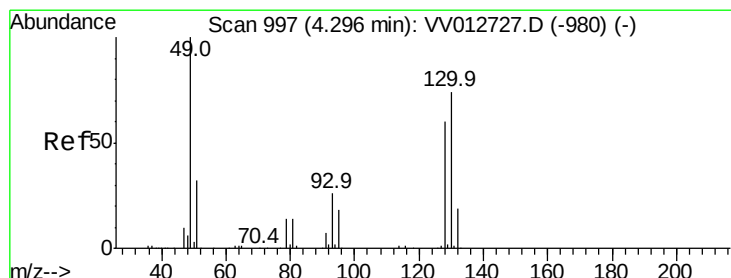
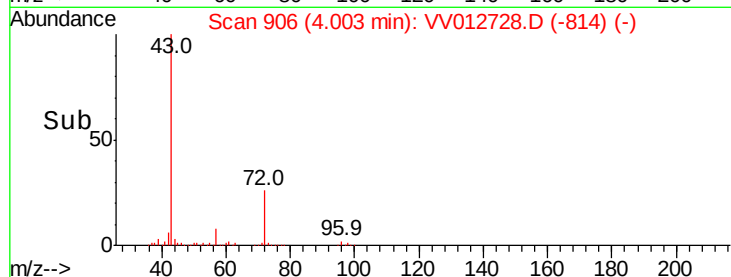
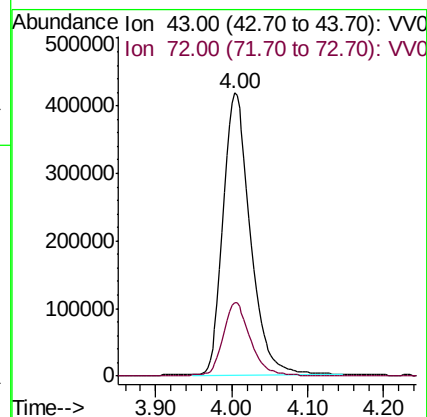
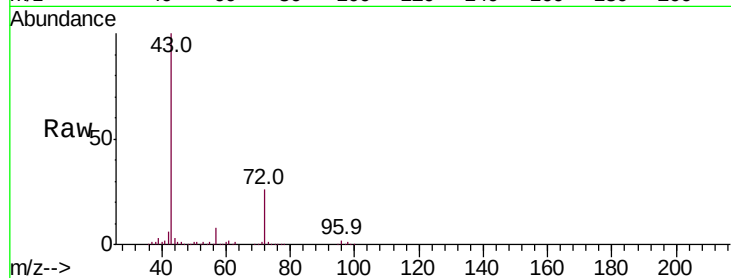
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1045968

Ion Ratio Lower Upper

43 100

72 26.7 13.2 39.6



#23

Bromochloromethane

Concen: 95.870 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Tgt Ion: 128 Resp: 293128

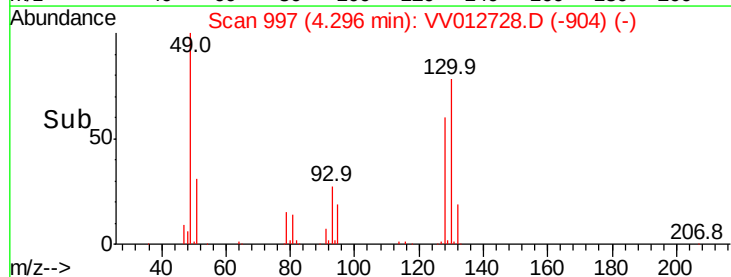
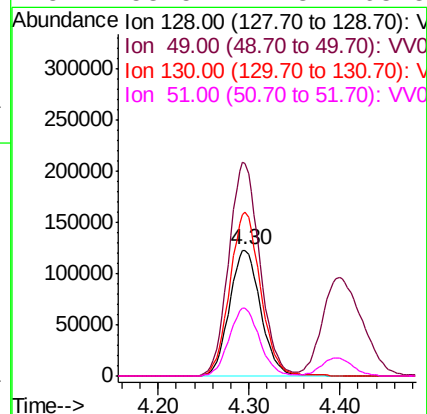
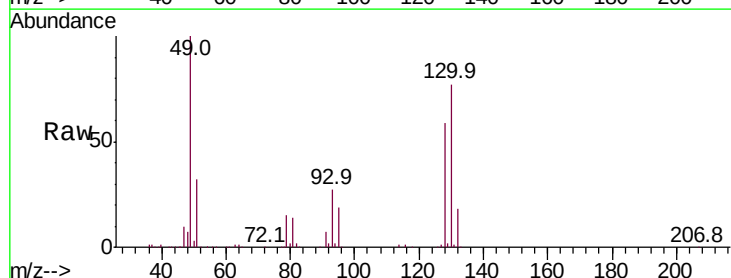
Ion Ratio Lower Upper

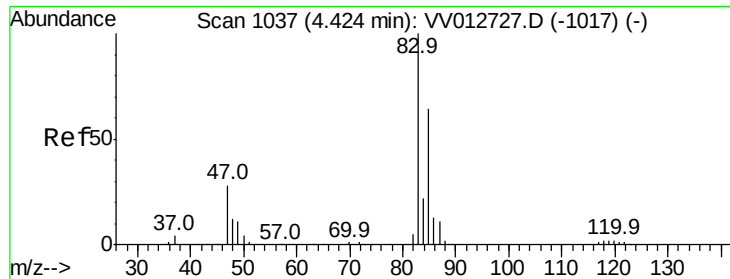
128 100

49 168.9 117.2 217.8

130 130.0 86.7 160.9

51 53.5 42.3 63.5

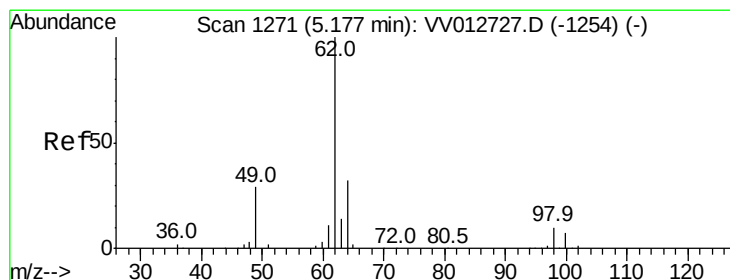
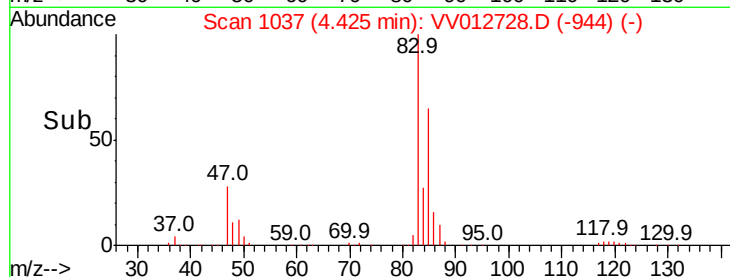
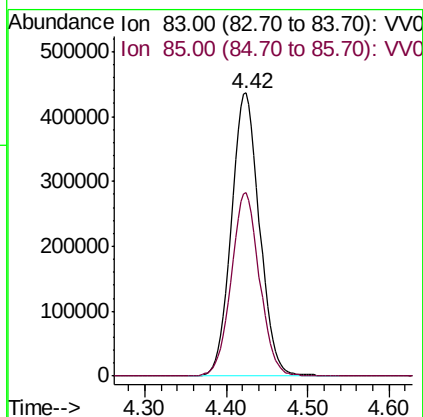
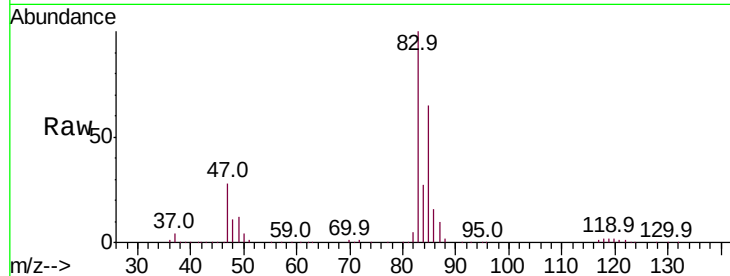




#25
Chloroform
Concen: 95.307 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

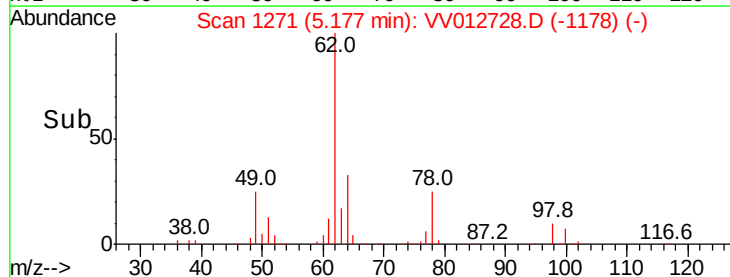
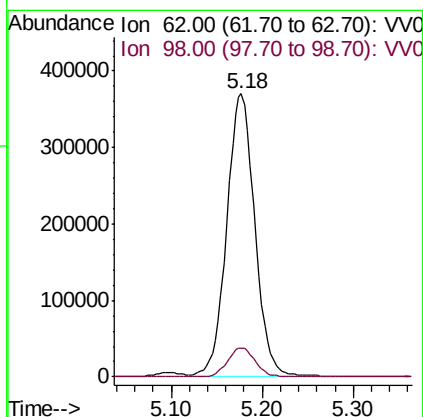
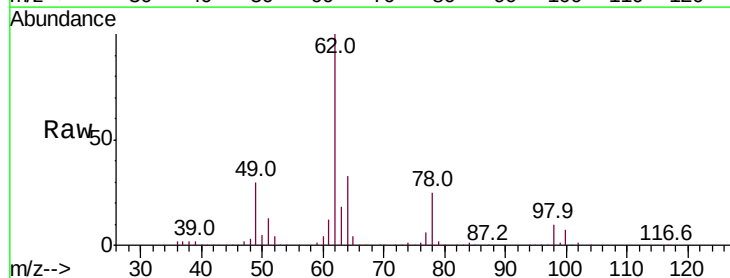
Instrument :
MSVOA_V
ClientSampleId :

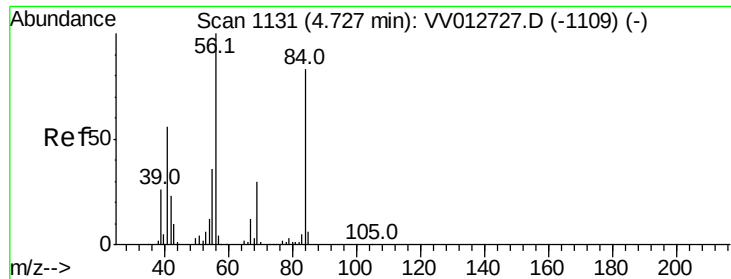
Tot Ion: 83 Resp: 1052721
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 95.742 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion: 62 Resp: 791495
Ion Ratio Lower Upper
62 100
98 10.2 7.7 11.5

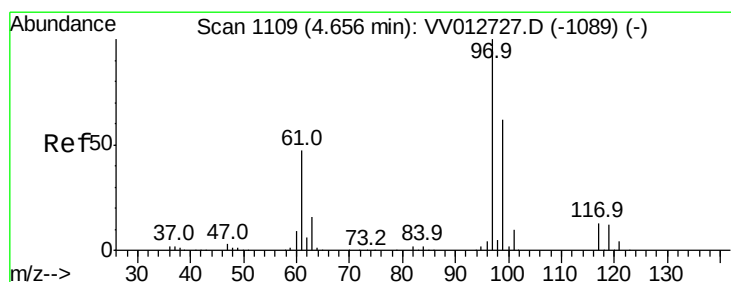
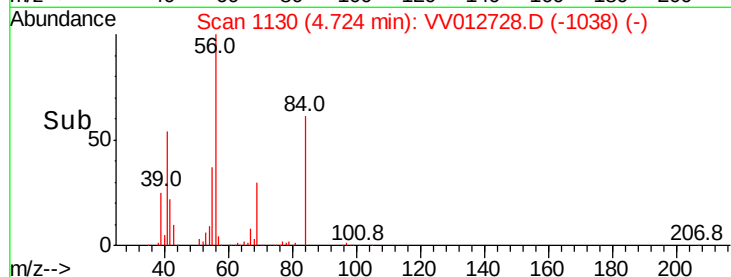
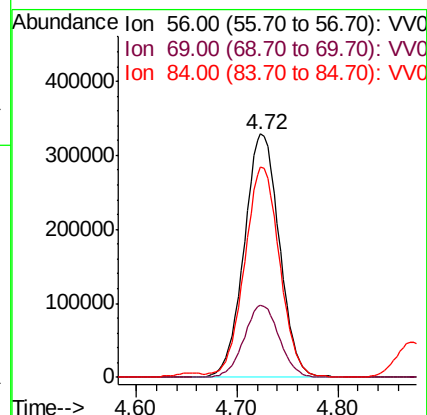
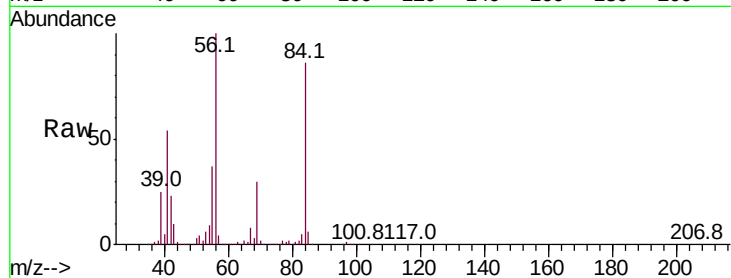




#29
Cyclohexane
Concen: 103.050 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

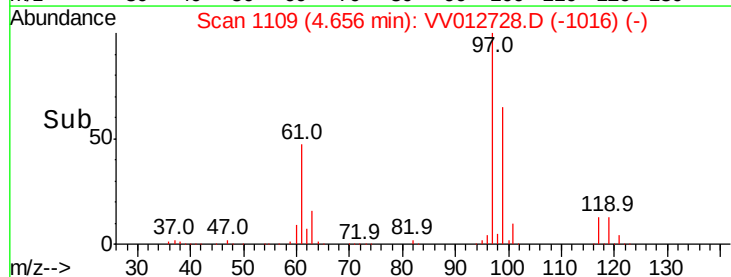
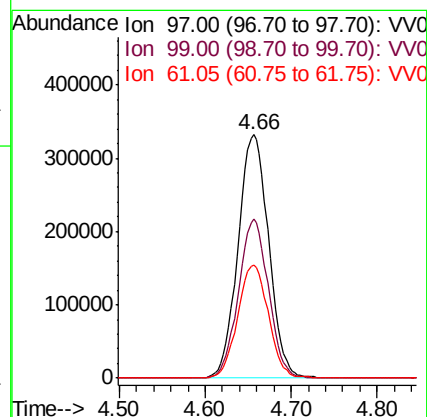
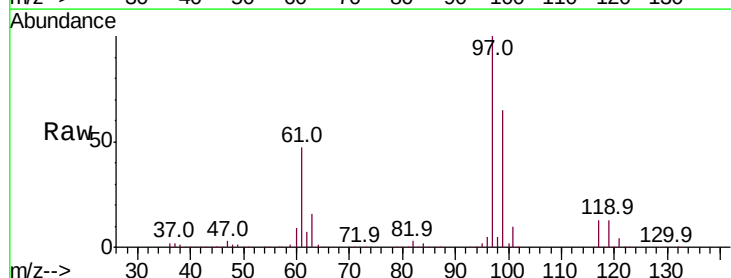
Instrument :
MSVOA_V
ClientSampleId :

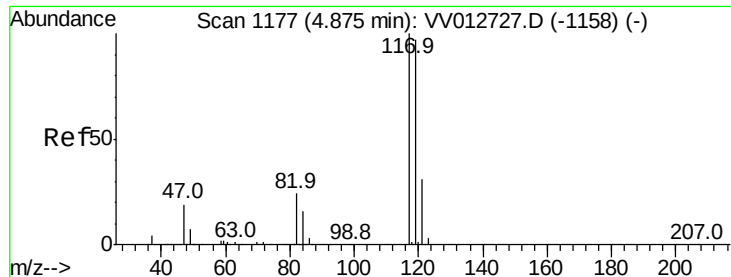
Tot Ion: 56 Resp: 794792
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.2
84 85.8 69.8 104.6



#30
1,1,1-Trichloroethane
Concen: 96.845 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion: 97 Resp: 822716
Ion Ratio Lower Upper
97 100
99 64.0 50.6 75.8
61 46.8 37.8 56.8





#31

Carbon tetrachloride

Concen: 96.683 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

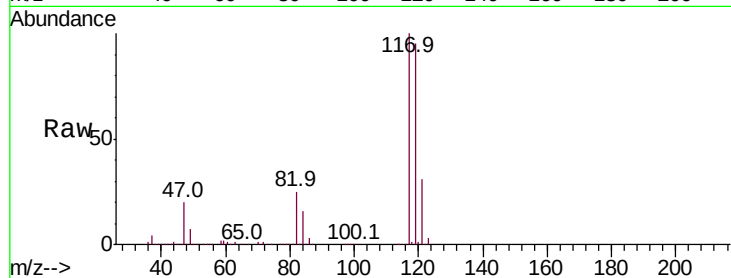
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 707198

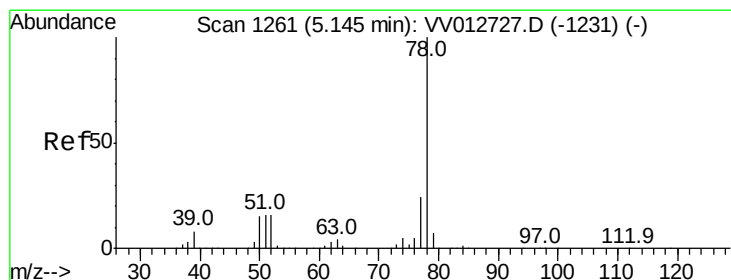
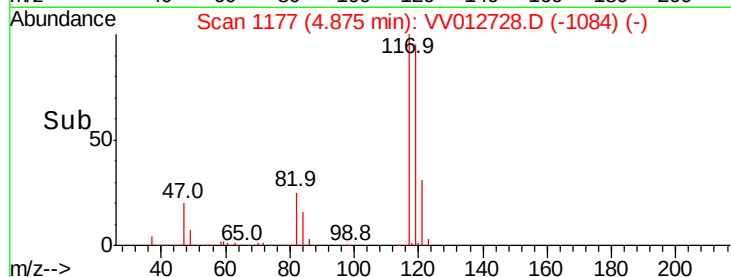
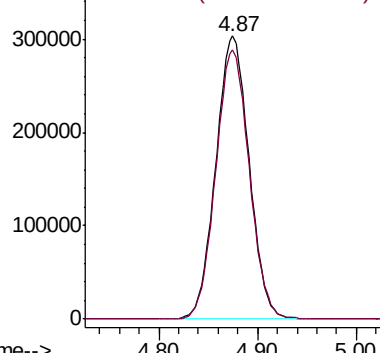
Ion Ratio Lower Upper

117 100

119 95.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 99.027 ug/L

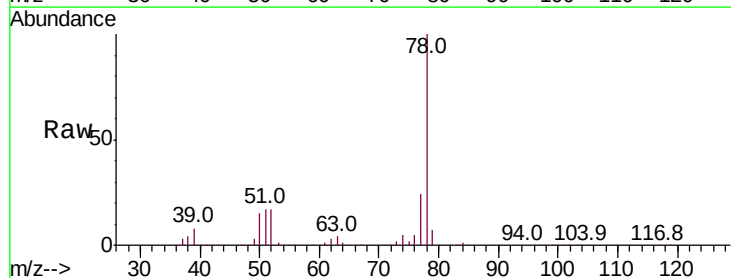
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

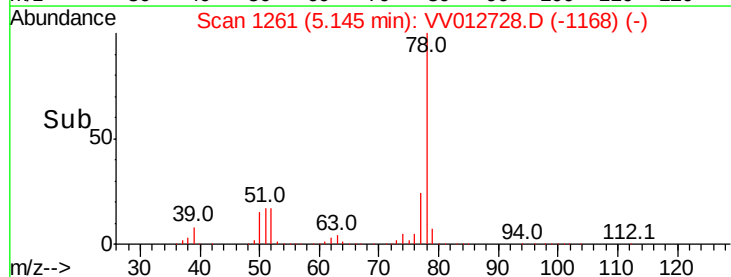
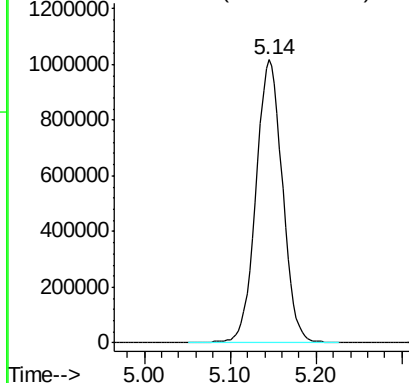
Lab File: VV012728.D

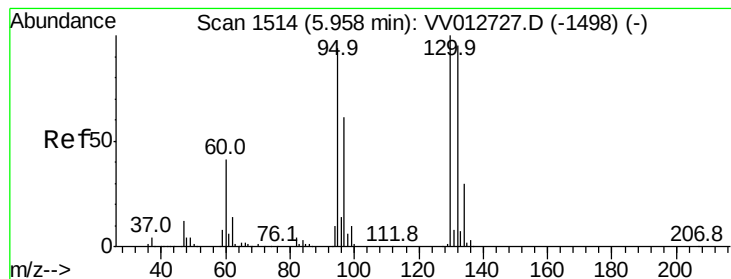
Acq: 13 Sep 2019 10:24

Tgt Ion: 78 Resp: 2188367



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 93.427 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 600166

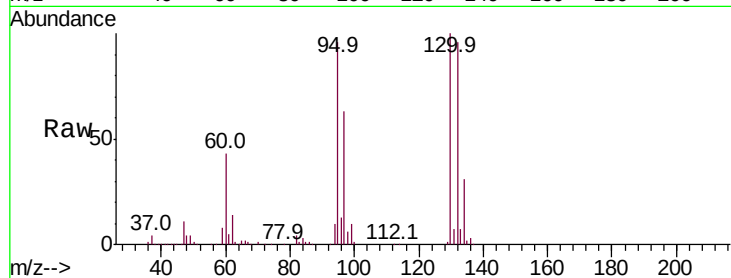
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 99.1 70.6 131.0

130 103.7 74.6 138.6

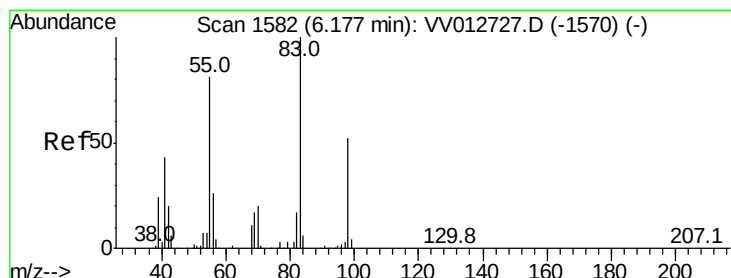
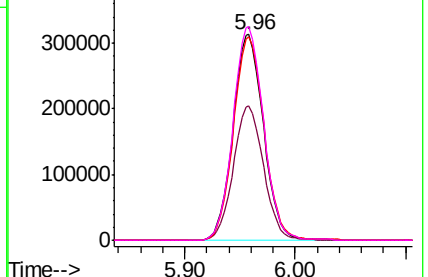
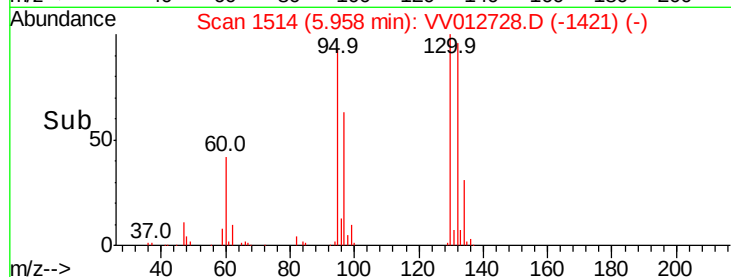


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 101.176 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

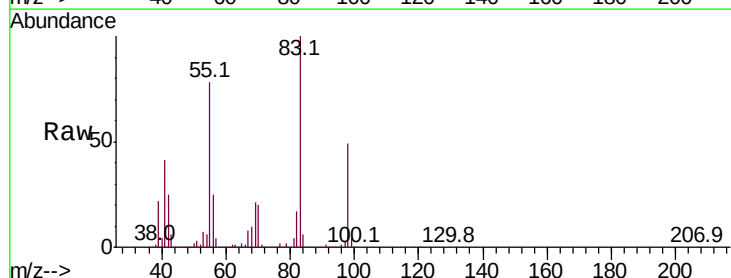
Tgt Ion: 83 Resp: 819893

Ion Ratio Lower Upper

83 100

55 77.6 62.2 93.2

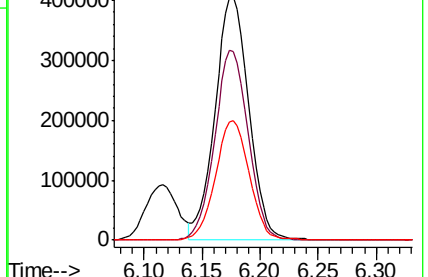
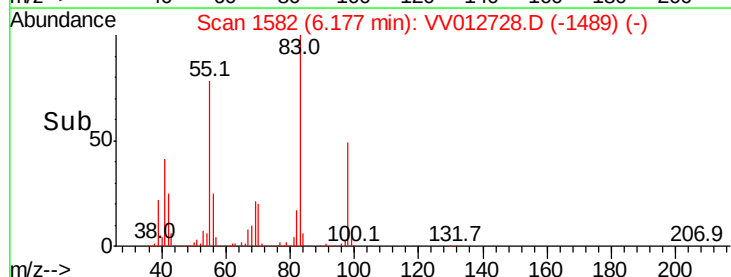
98 49.3 39.4 59.0

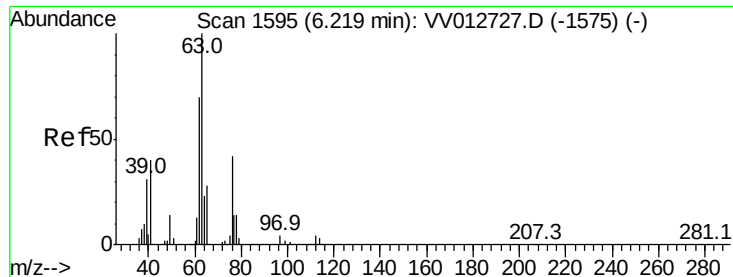


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

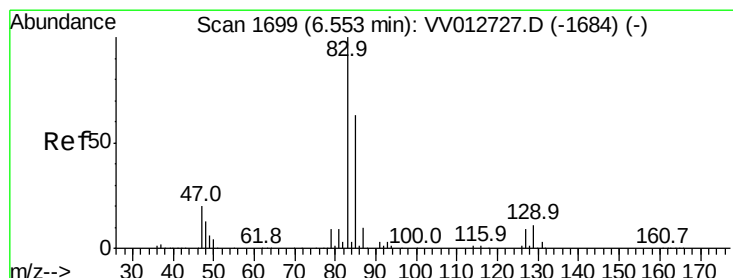
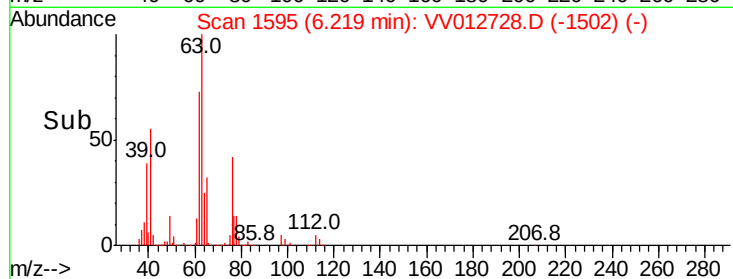
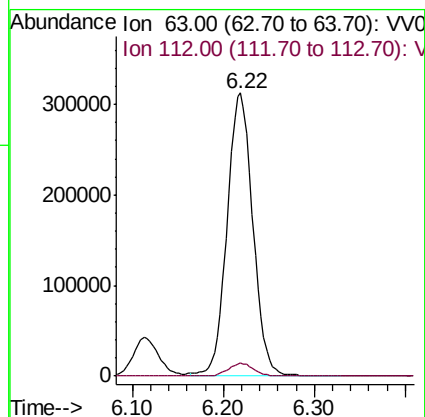
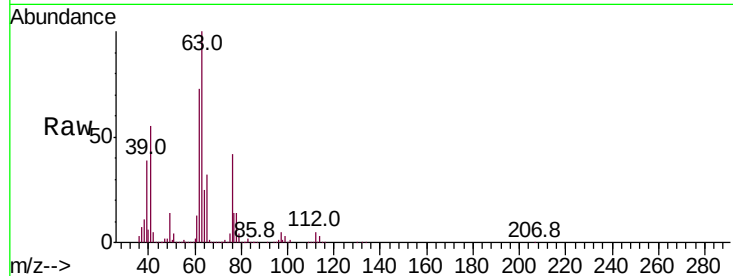




#37
 1,2-Dichloropropane
 Concen: 96.375 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

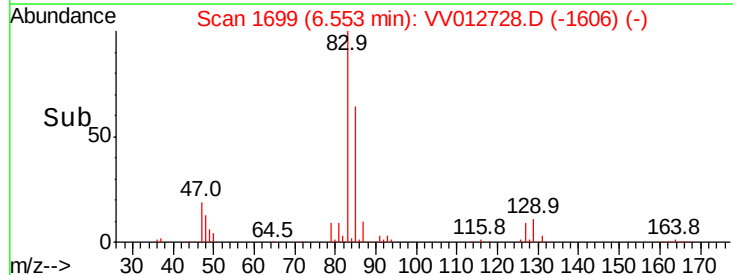
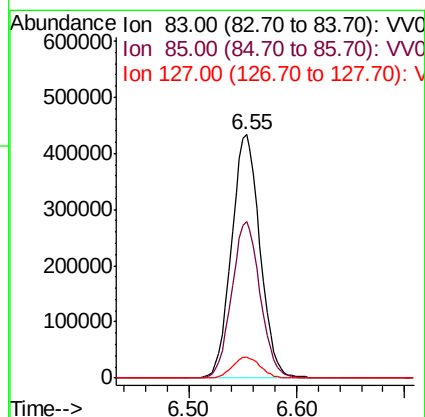
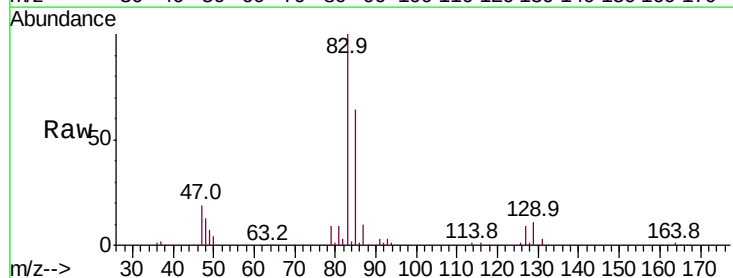
Instrument :
 MSVOA_V
 ClientSampleId :

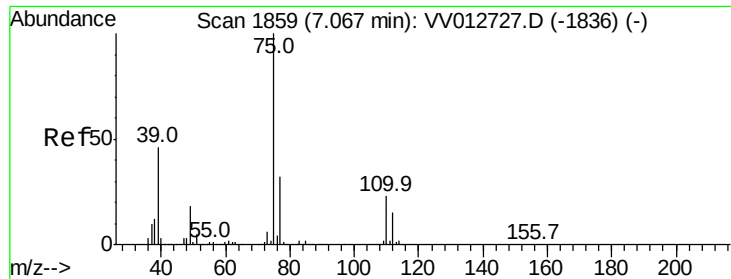
Tot Ion: 63 Resp: 612482
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 97.187 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

Tgt Ion: 83 Resp: 795039
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.5
 127 8.6 7.0 10.4

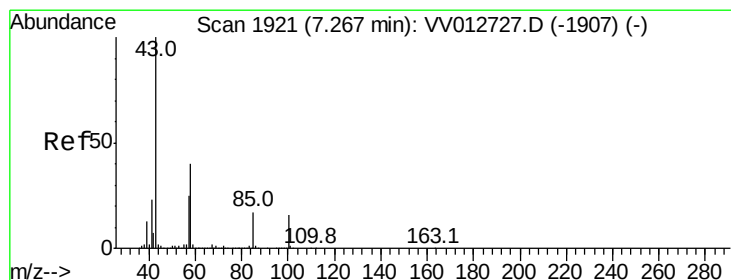
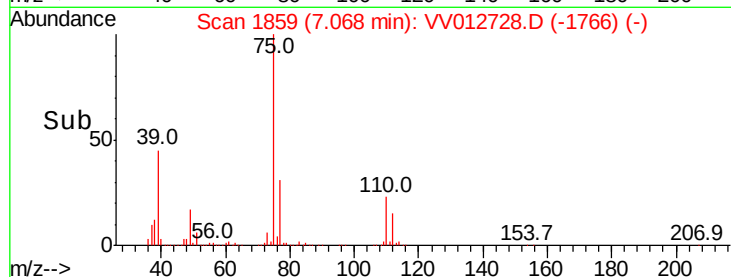
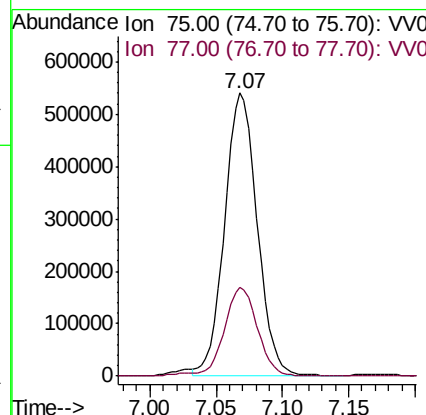
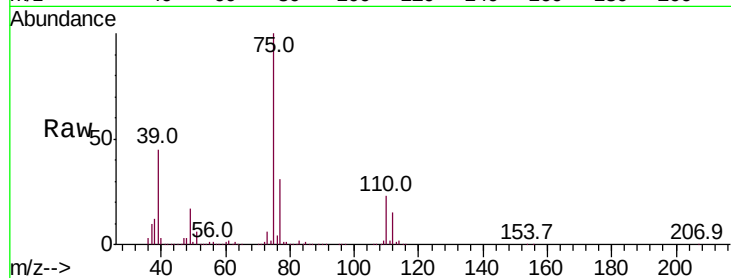




#39
 cis-1,3-Dichloropropene
 Concen: 102.942 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

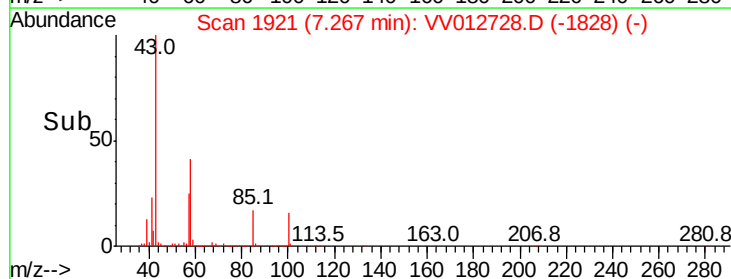
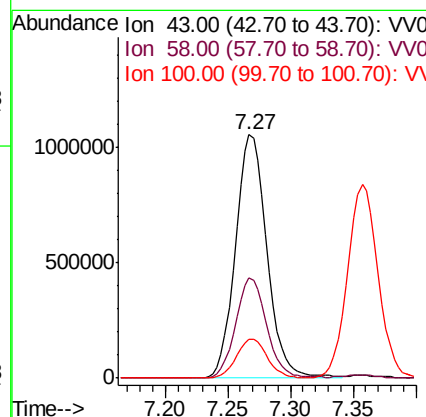
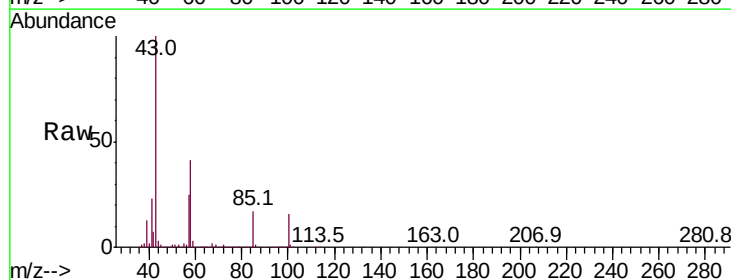
Instrument :
 MSVOA_V
 ClientSampled :

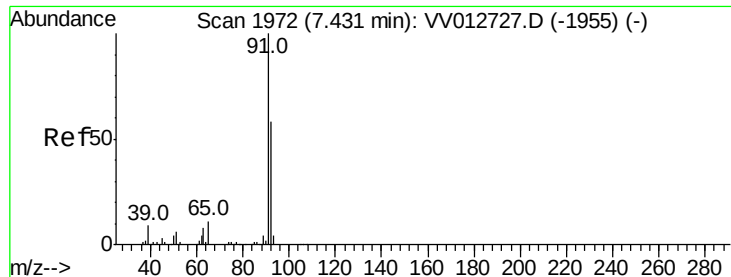
Tot Ion: 75 Resp: 915944
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 208.971 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

Tgt Ion: 43 Resp: 1837963
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.3 46.9
 100 15.9 12.4 18.6





#42

Toluene

Concen: 101.492 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

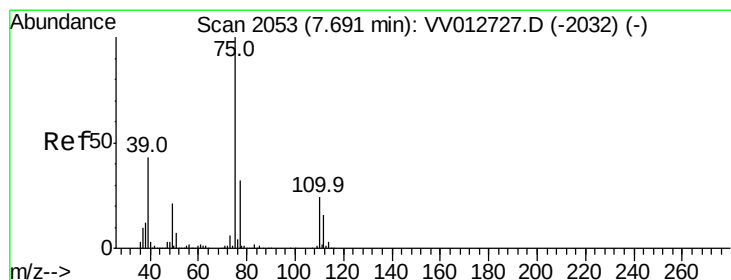
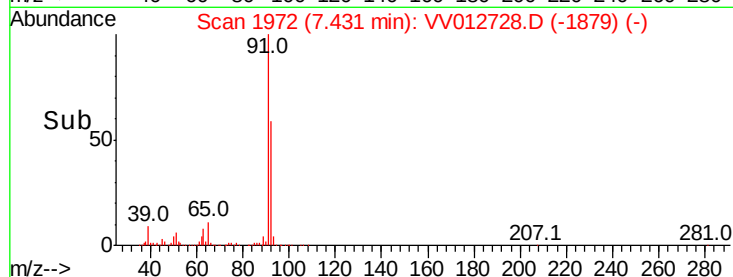
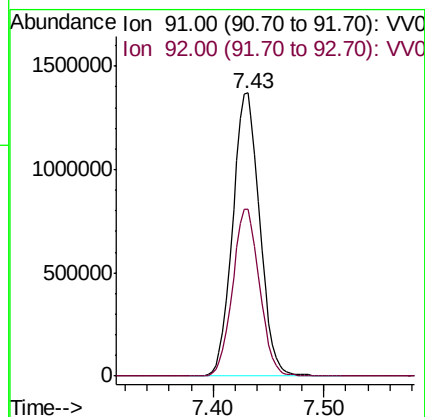
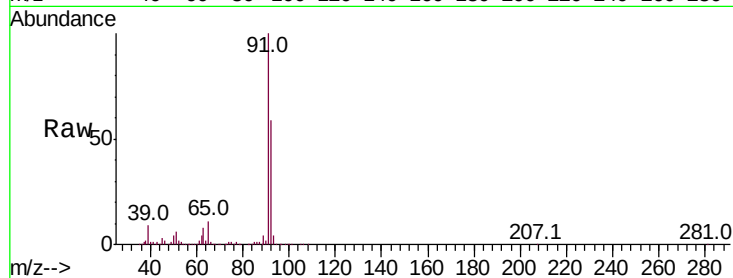
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2329148

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 103.953 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012728.D

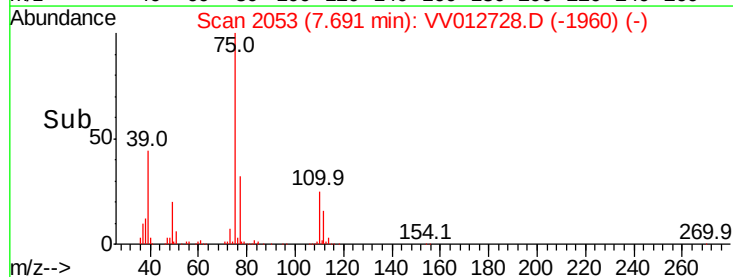
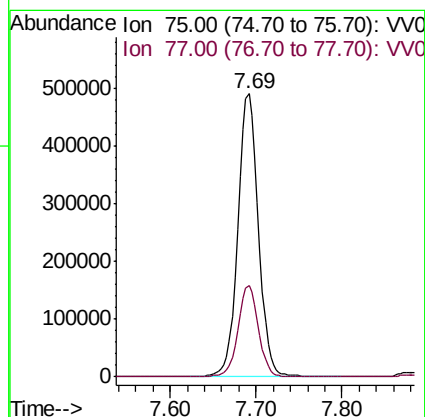
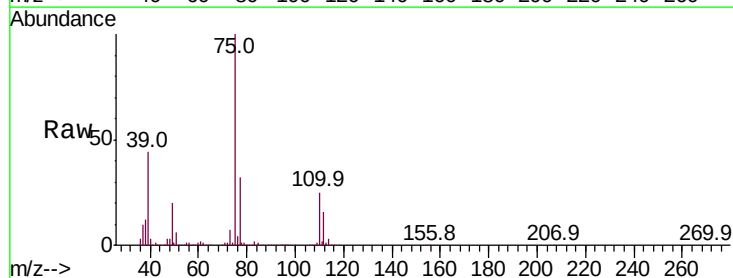
Acq: 13 Sep 2019 10:24

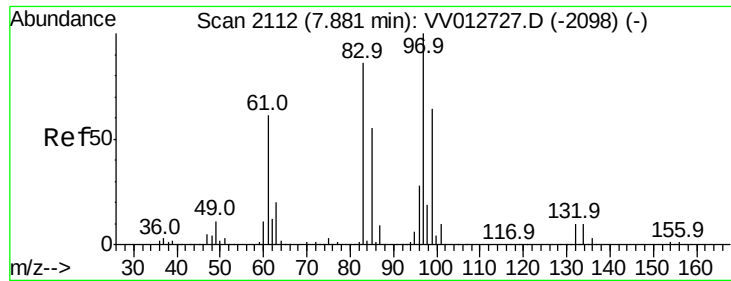
Tgt Ion: 75 Resp: 815466

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1

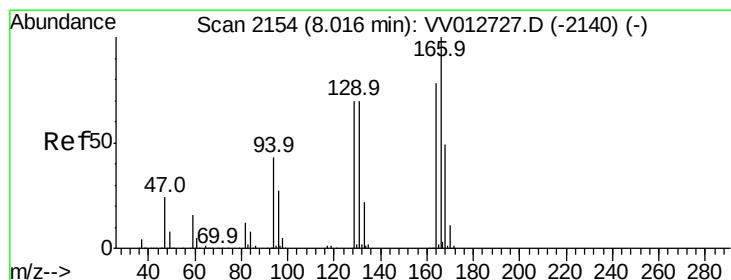
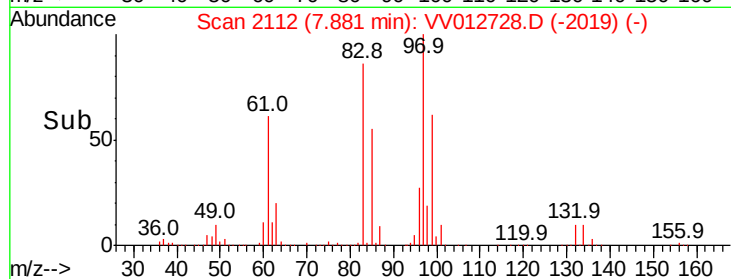
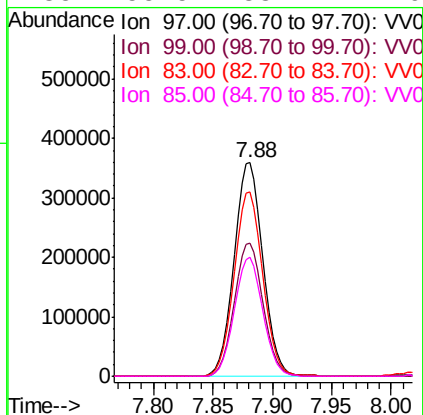
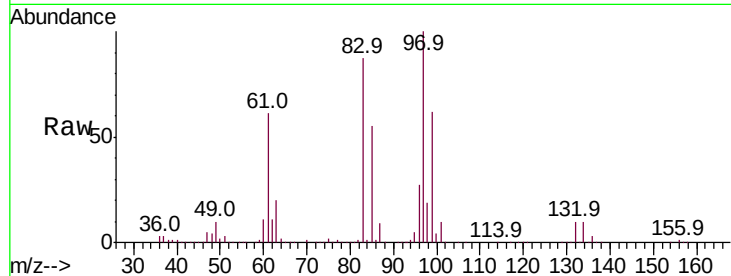




#45
1,1,2-Trichloroethane
Concen: 97.044 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

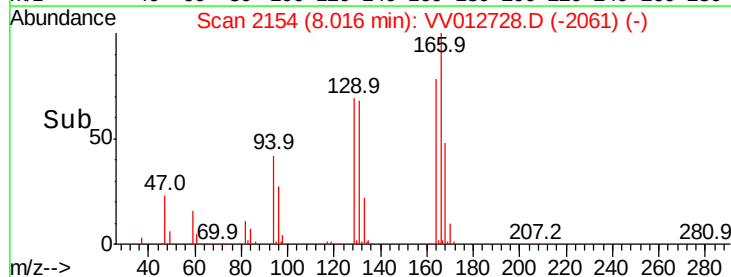
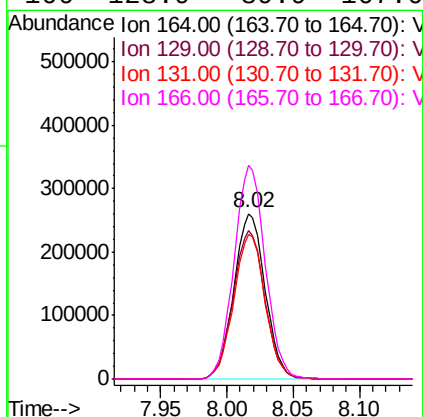
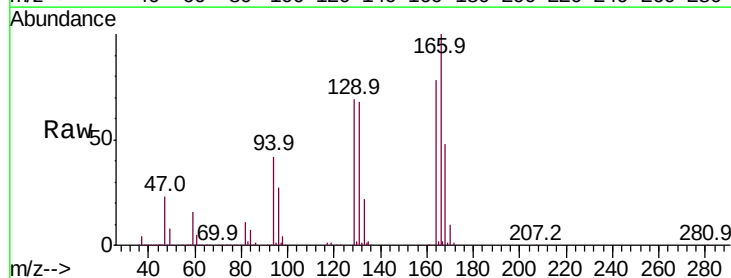
Instrument :
MSVOA_V
ClientSampleId :

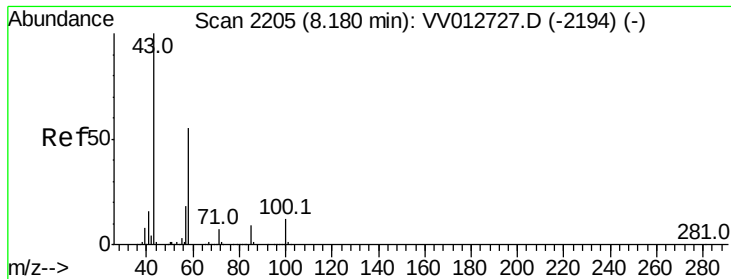
Tot Ion:	97	Resp:	601728
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.6	82.8
83	86.5	59.9	111.3
85	55.5	38.7	71.9



#46
Tetrachloroethene
Concen: 95.781 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion:	164	Resp:	426787
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.7	116.5
131	87.4	62.7	116.5
166	128.9	89.9	167.0





#48

2-Hexanone

Concen: 208.055 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1504574

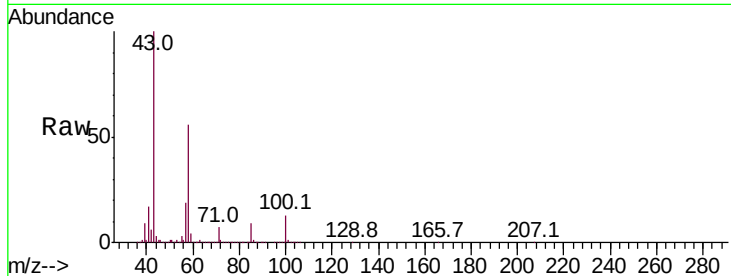
Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.8
57	18.6	14.3	21.5
100	12.4	9.8	14.8

43 100

58 55.2 43.8 65.8

57 18.6 14.3 21.5

100 12.4 9.8 14.8

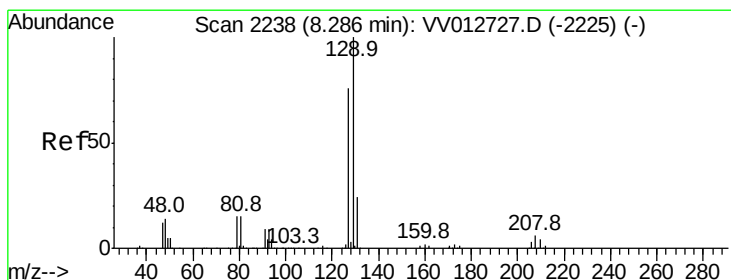
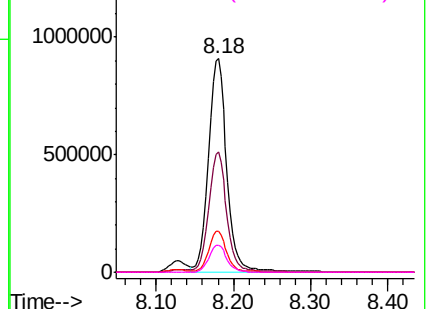
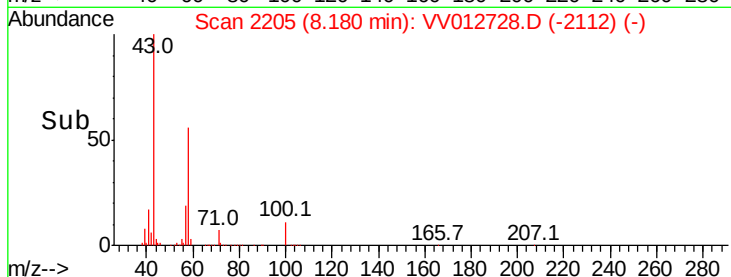


Abundance Ion 43.00 (42.70 to 43.70): VV012728.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV012728.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV012728.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV012728.D (-2194) (-)



#49

Dibromochloromethane

Concen: 101.532 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012728.D

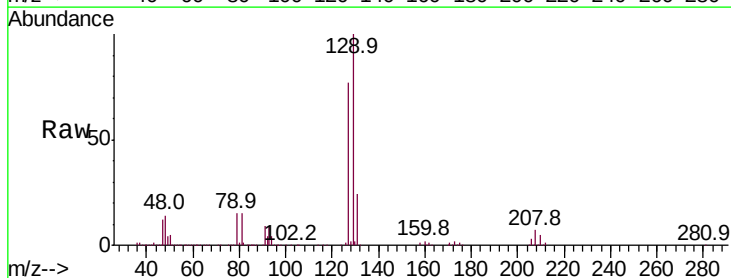
Acq: 13 Sep 2019 10:24

Tgt Ion: 129 Resp: 659634

Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.0	98.4

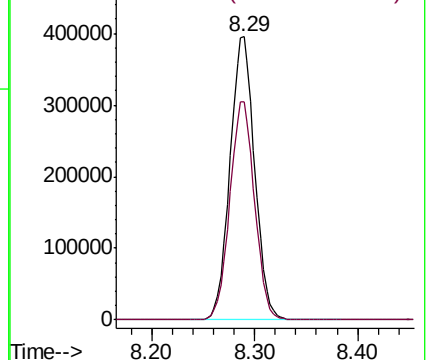
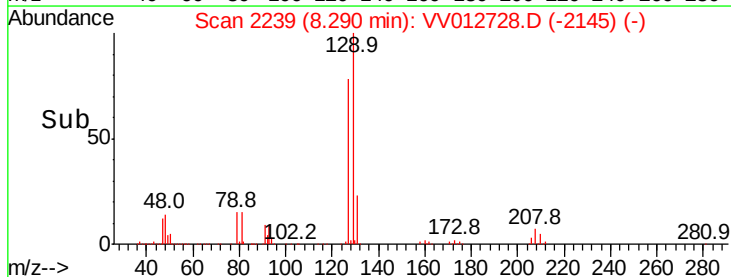
129 100

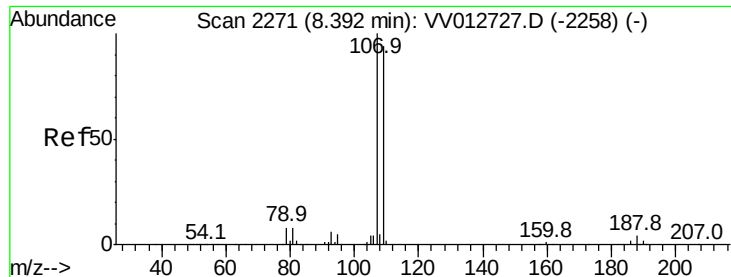
127 77.1 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): VV012728.D (-2225) (-)

Ion 127.00 (126.70 to 127.70): VV012728.D (-2225) (-)

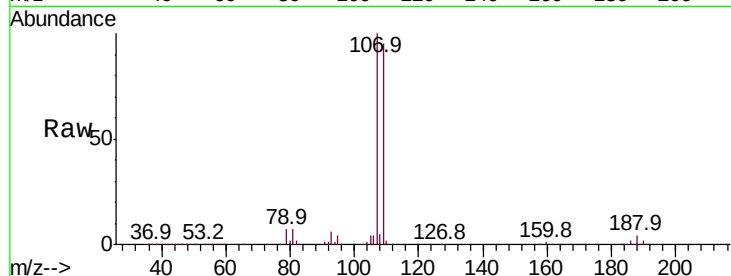




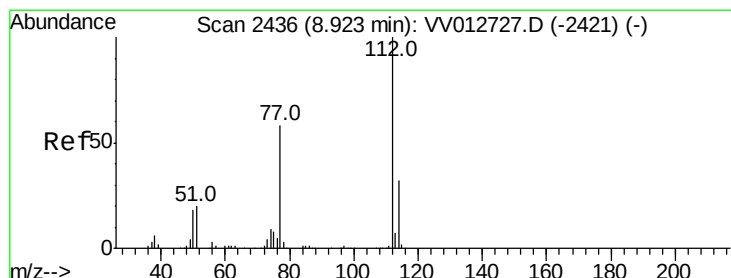
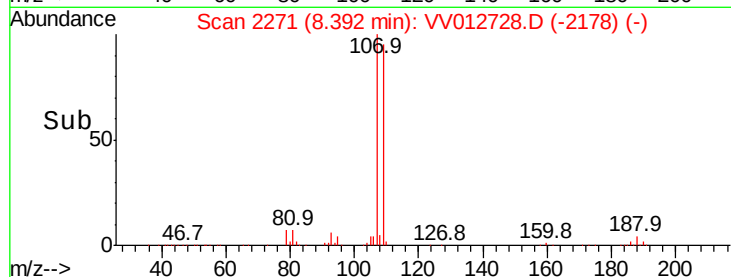
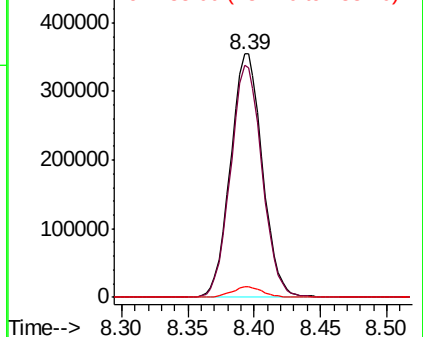
#50
1,2-Dibromoethane
Concen: 99.098 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.7	121.9
188	4.1	3.3	4.9

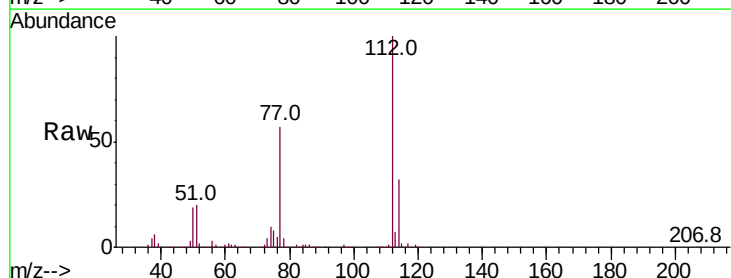


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

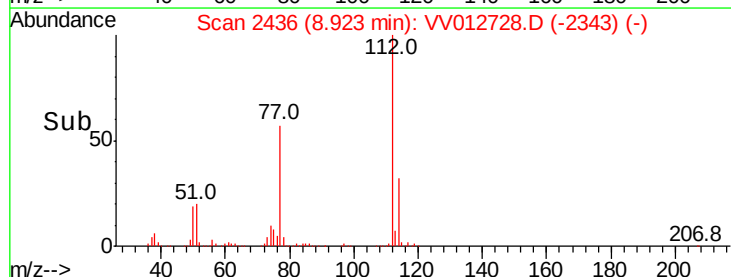
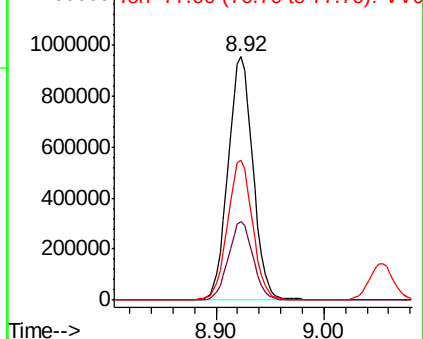


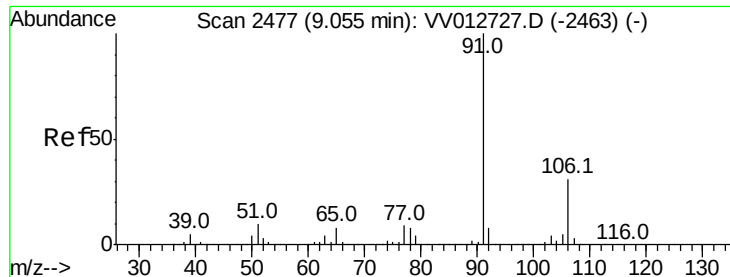
#51
Chlorobenzene
Concen: 97.774 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	57.4	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): V





#52

Ethylbenzene

Concen: 103.435 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

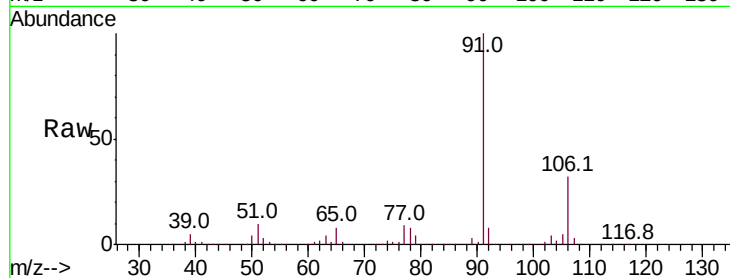
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2609575

Ion Ratio Lower Upper

91 100

106 31.9 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV012728.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV012728.D (-2463) (-)

9.05

1500000

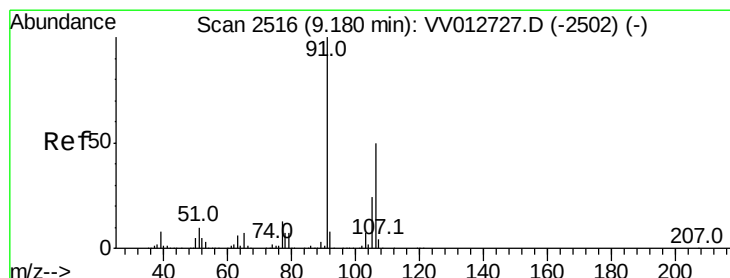
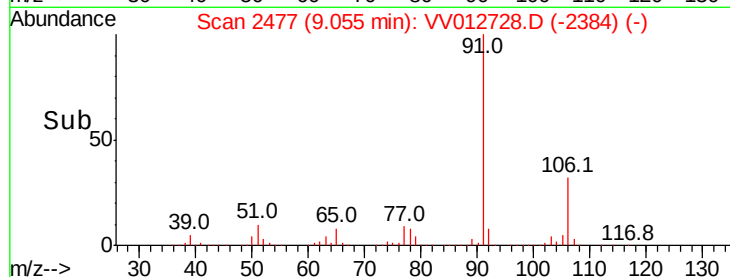
1000000

500000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 106.288 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012728.D

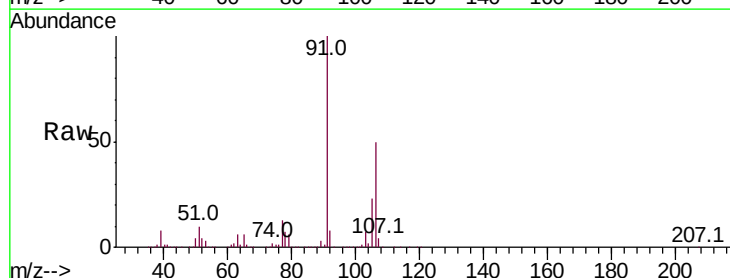
Acq: 13 Sep 2019 10:24

Tgt Ion:106 Resp: 987548

Ion Ratio Lower Upper

106 100

91 199.0 139.9 259.7



Abundance Ion 106.00 (105.70 to 106.70): VV012728.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV012728.D (-2502) (-)

9.18

1500000

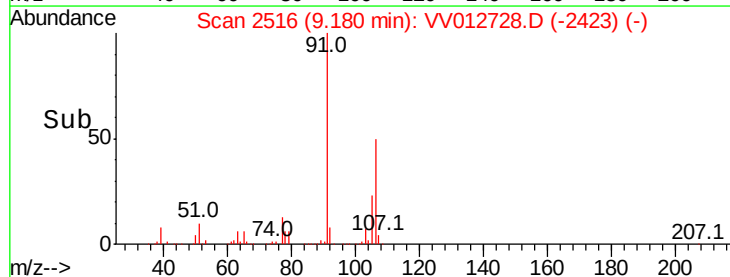
1000000

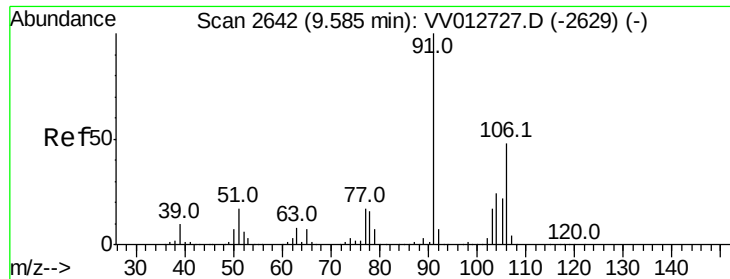
500000

0

9.10 9.20 9.30

Time-->

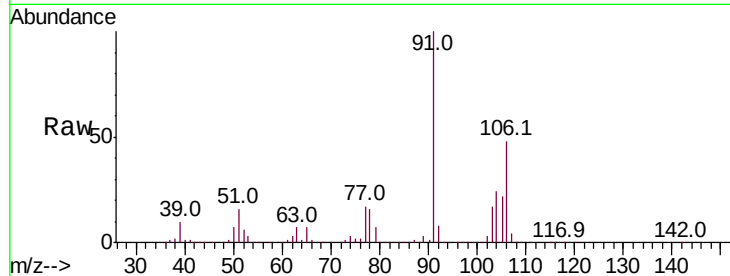




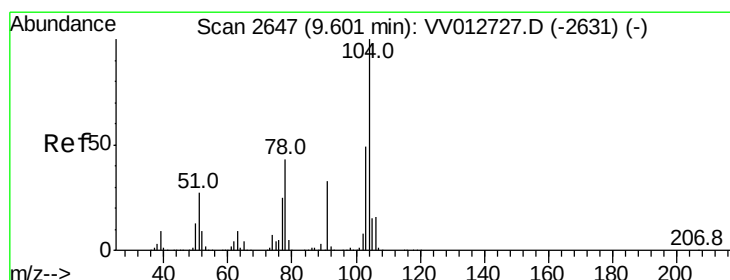
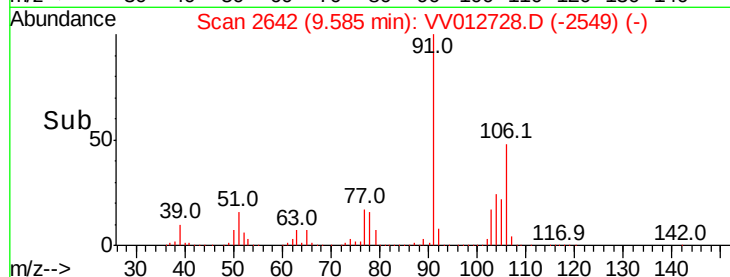
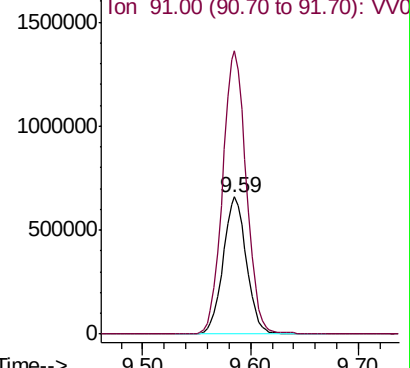
#54
o-xylene
Concen: 105.864 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 998535
Ion Ratio Lower Upper
106 100
91 206.6 146.5 272.1

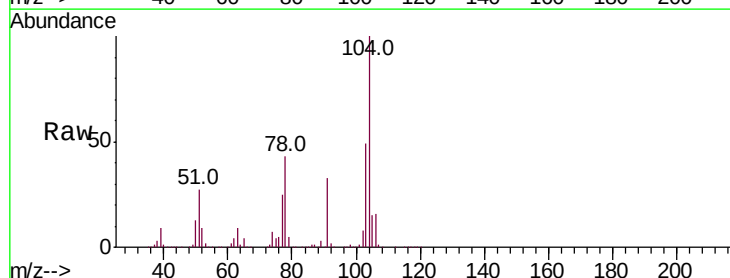


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

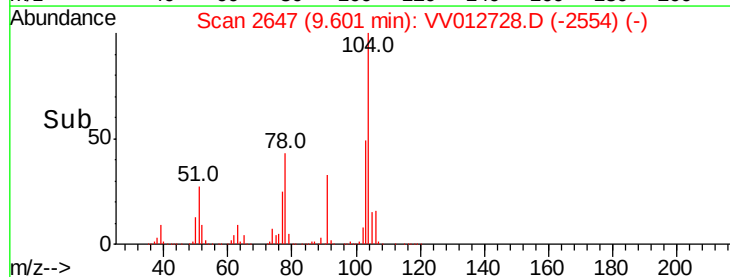
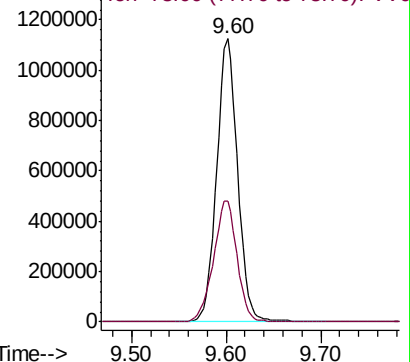


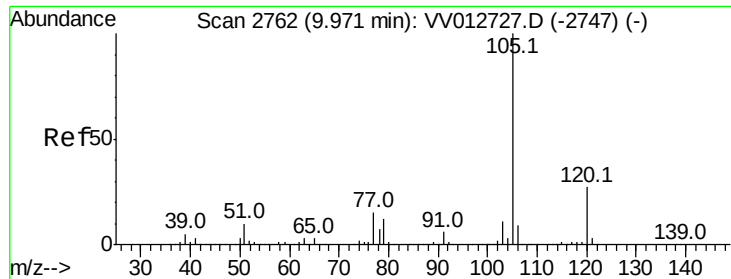
#55
Styrene
Concen: 108.622 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012728.D
Acq: 13 Sep 2019 10:24

Tgt Ion:104 Resp: 1737777
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





#56

Isopropylbenzene

Concen: 106.129 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :
MSVOA_V
ClientSampleId :

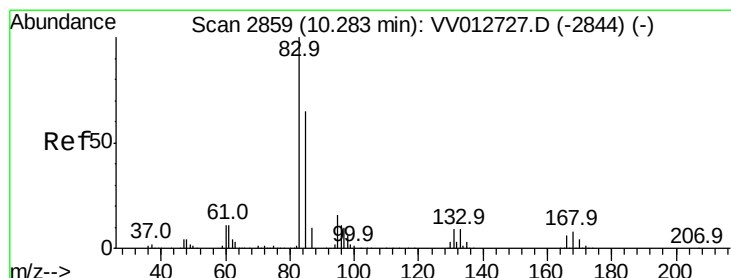
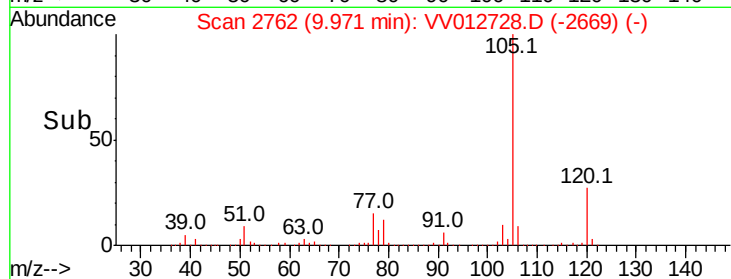
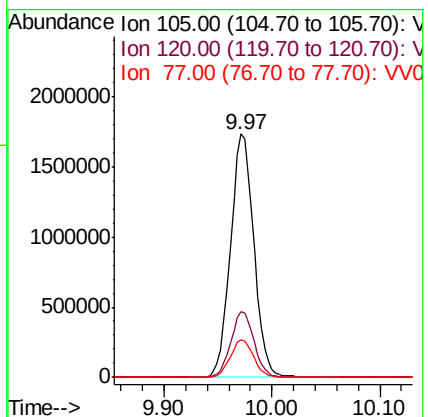
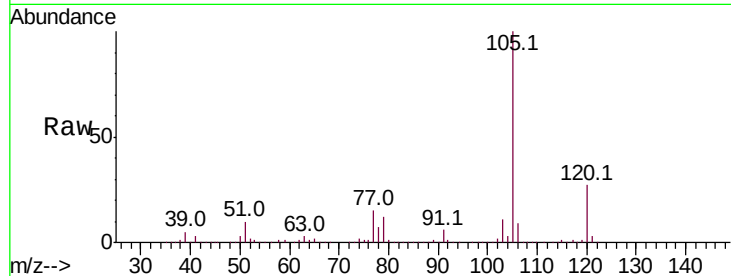
Tot Ion:105 Resp: 2630188

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.4 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 102.829 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

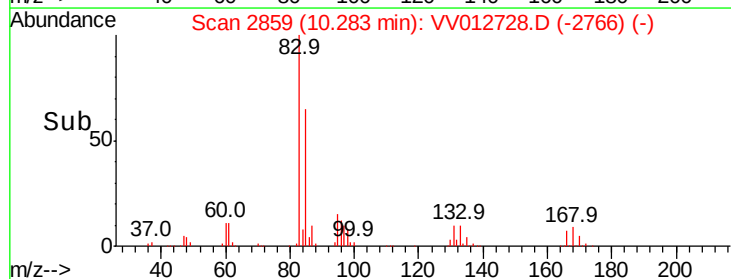
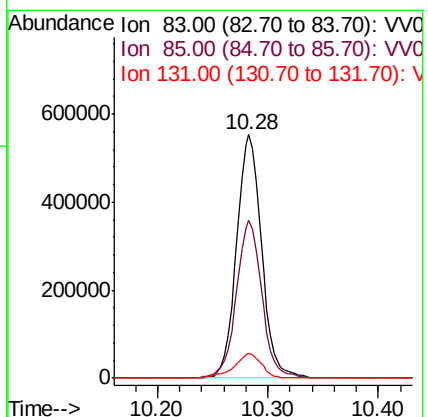
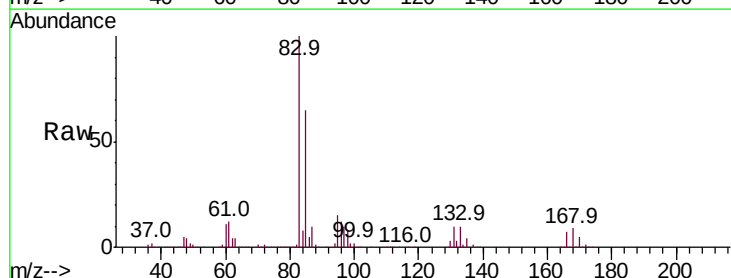
Tgt Ion: 83 Resp: 870609

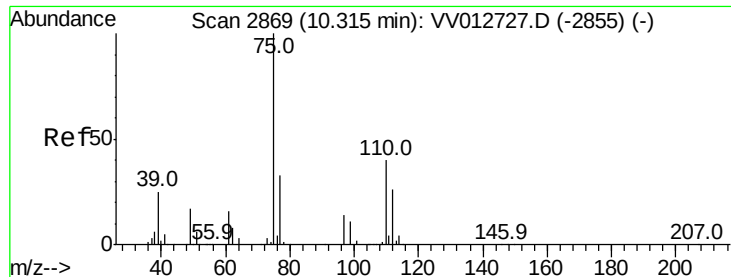
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

131 10.0 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 97.871 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Instrument :

MSVOA_V

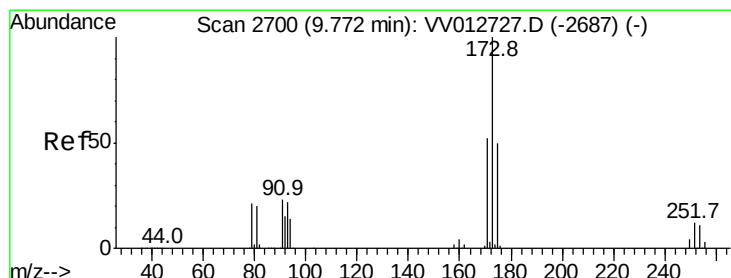
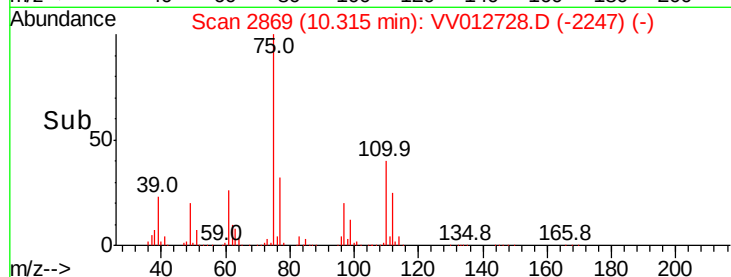
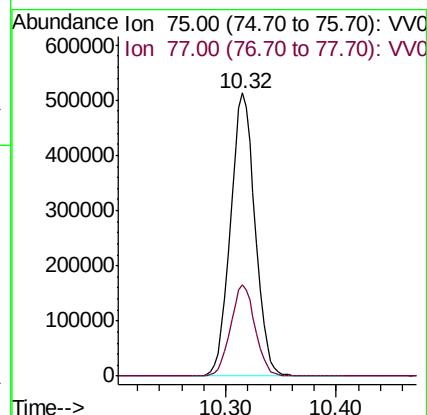
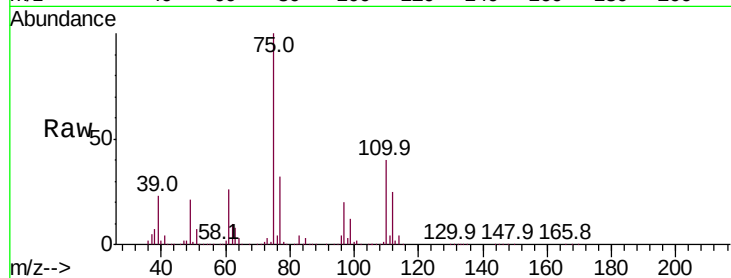
ClientSampled :

Tot Ion: 75 Resp: 791677

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 97.125 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

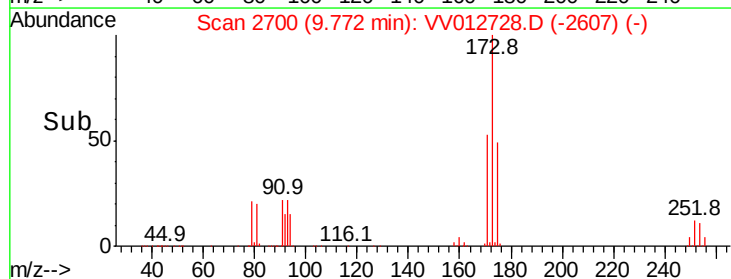
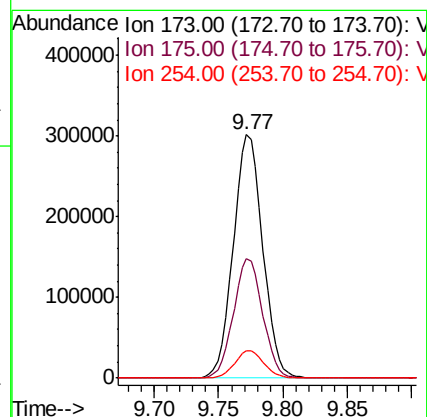
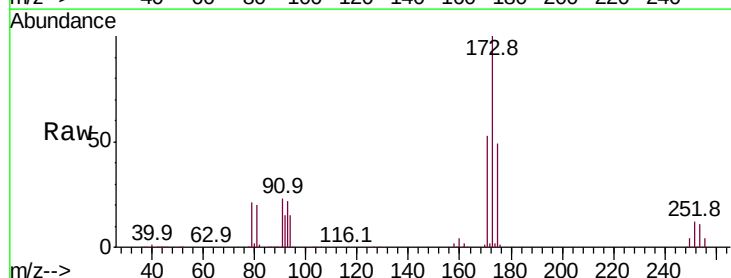
Tgt Ion: 173 Resp: 477284

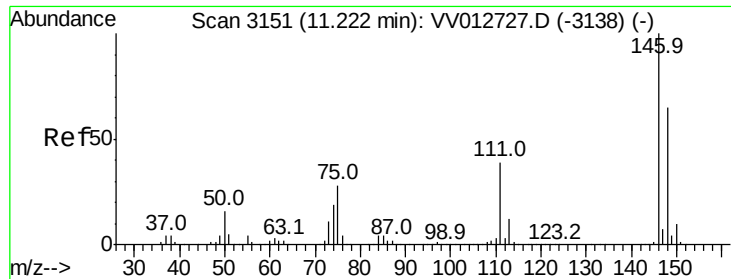
Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 11.2 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 97.581 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

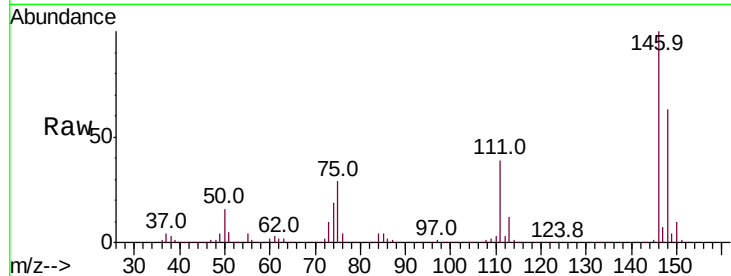
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 1226586

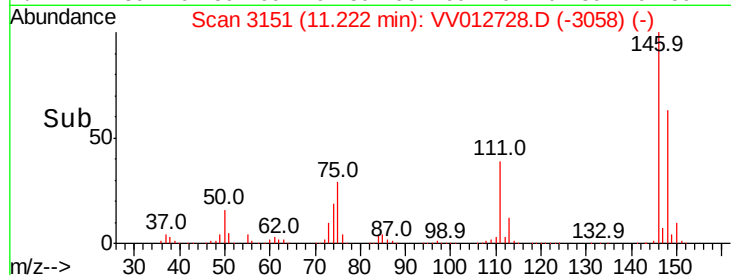
Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.2	50.6
148	63.1	45.2	84.0



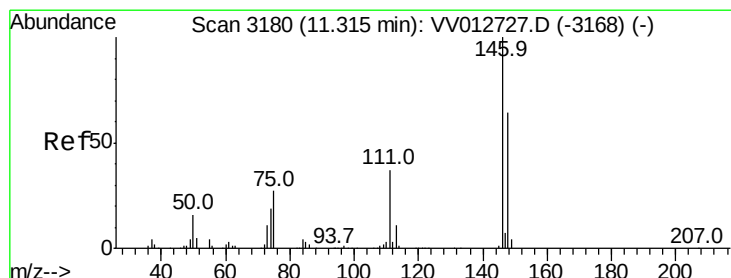
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#63

1,4-Dichlorobenzene

Concen: 95.443 ug/L

RT: 11.32 min Scan# 3180

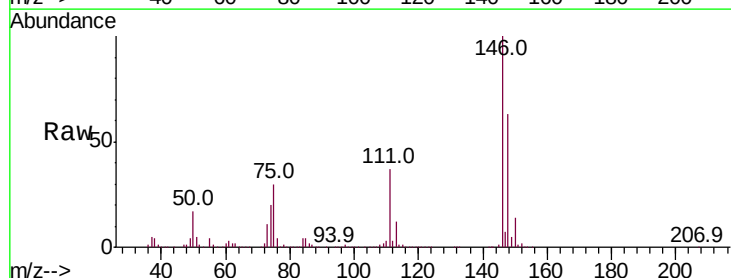
Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Tgt Ion:146 Resp: 1230632

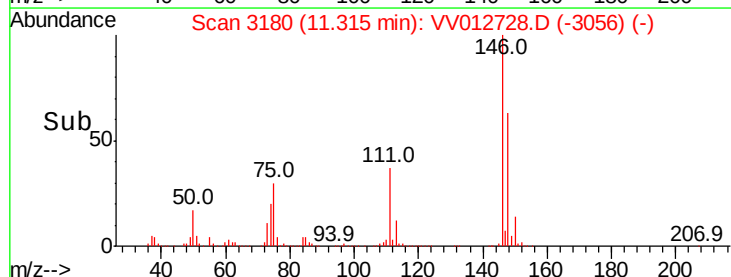
Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.2	48.8
148	63.5	45.0	83.6



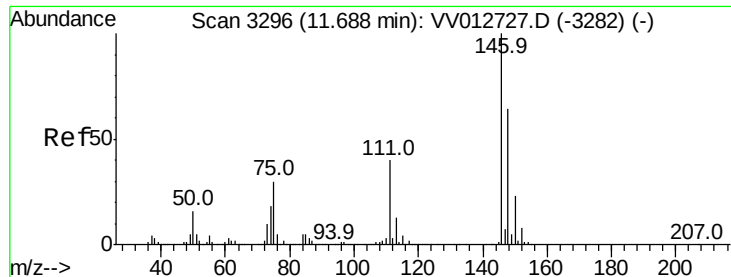
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



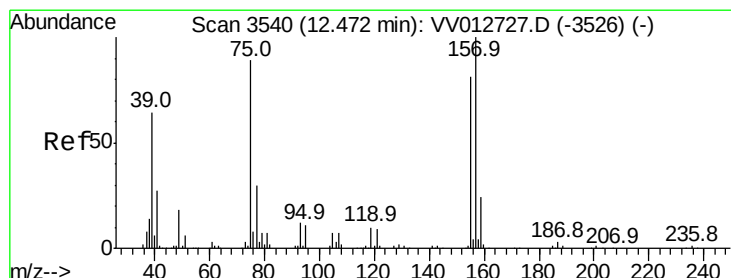
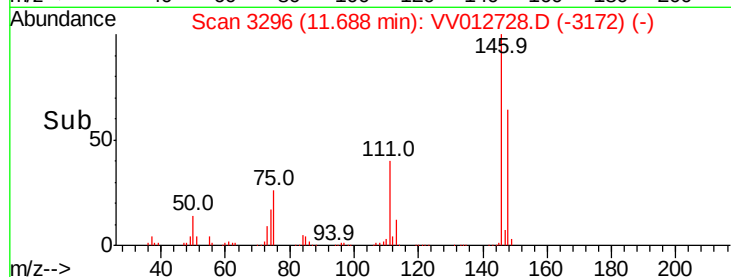
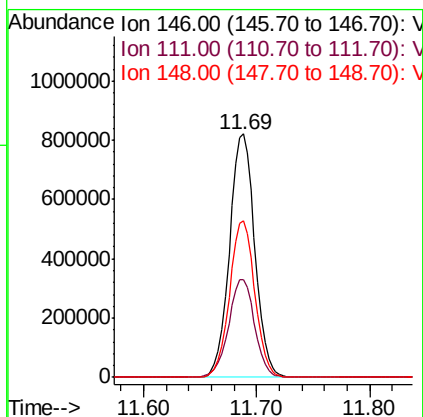
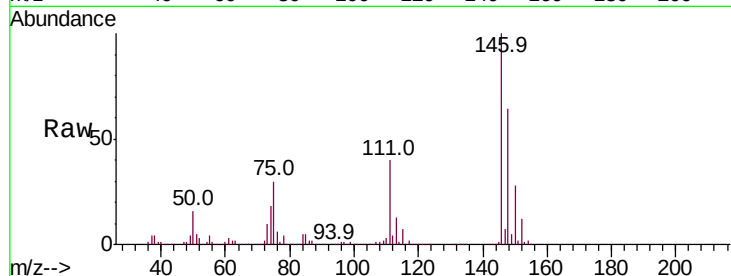
Time-->



#65
 1,2-Dichlorobenzene
 Concen: 96.237 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

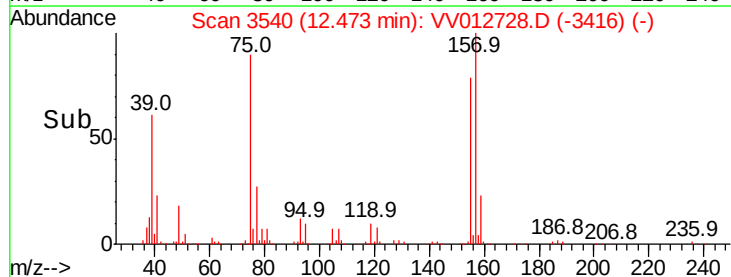
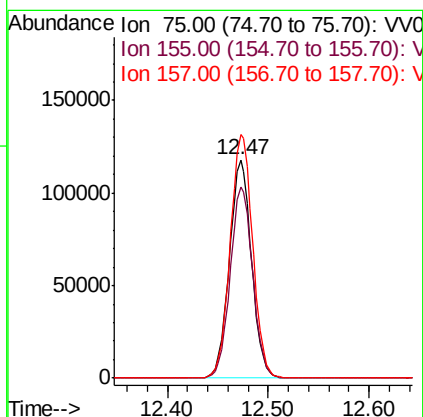
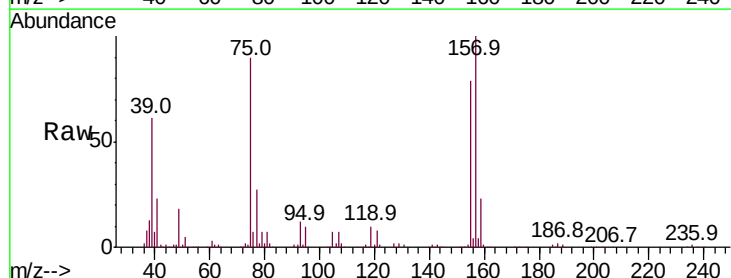
Instrument :
 MSVOA_V
 ClientSampleId :

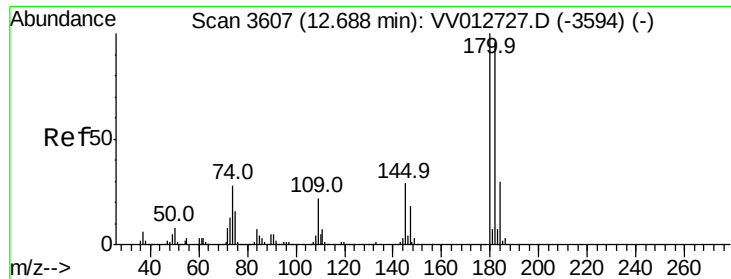
Tot Ion:146 Resp: 1271932
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.2 48.2
 148 64.2 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 102.496 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

Tgt Ion: 75 Resp: 180844
 Ion Ratio Lower Upper
 75 100
 155 87.7 73.4 110.0
 157 111.6 90.2 135.2

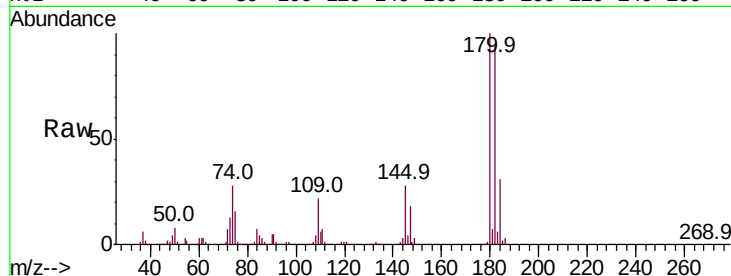




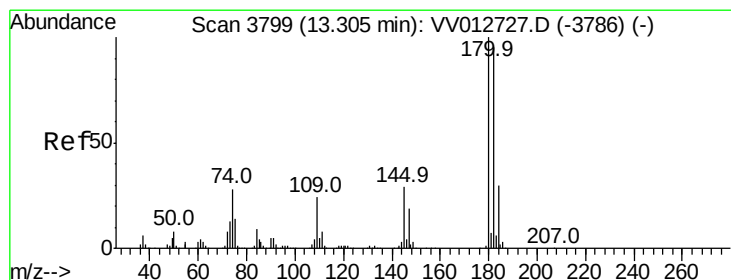
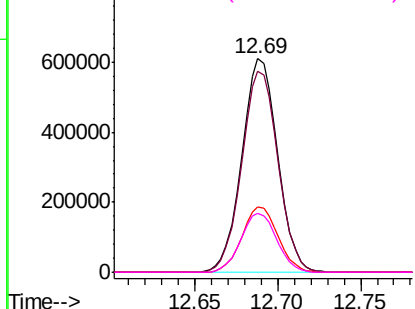
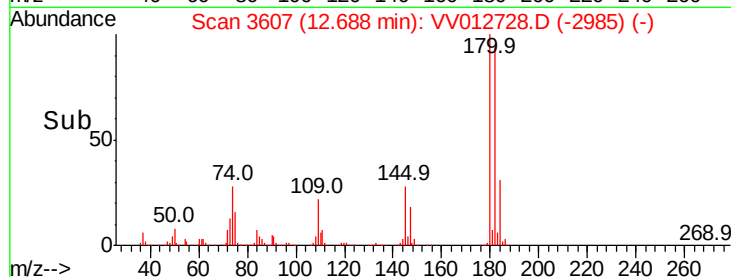
#67
 1,3,5-Trichlorobenzene
 Concen: 98.319 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	913023
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
184	30.8	24.4	36.6
145	27.9	22.6	33.8

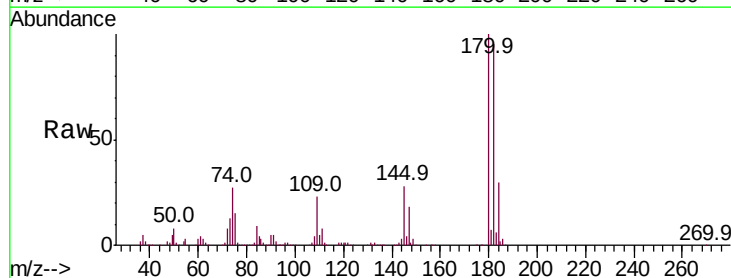


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

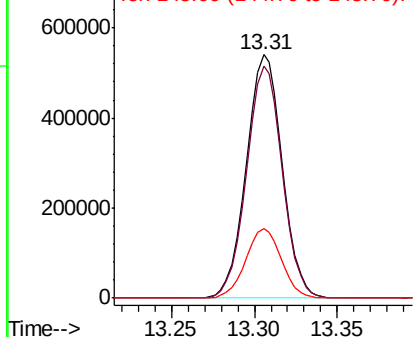
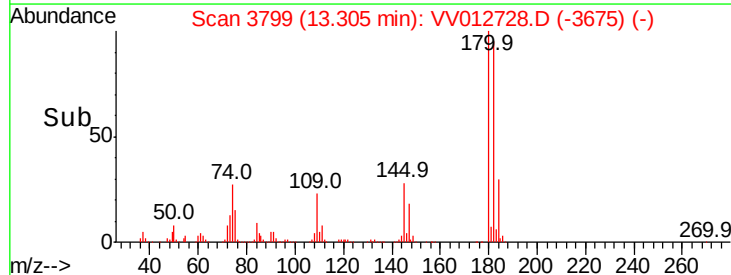


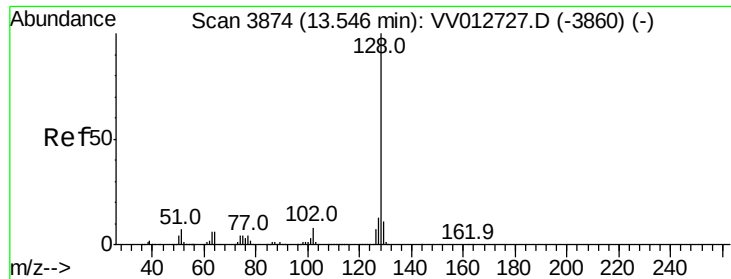
#68
 1,2,4-trichlorobenzene
 Concen: 103.420 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012728.D
 Acq: 13 Sep 2019 10:24

Tgt Ion:	180	Resp:	811452
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	28.5	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: 114.958 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

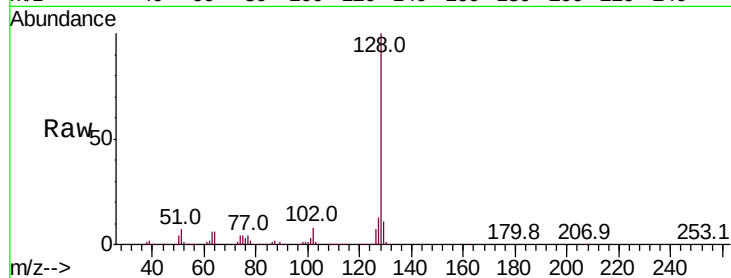
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 2607509

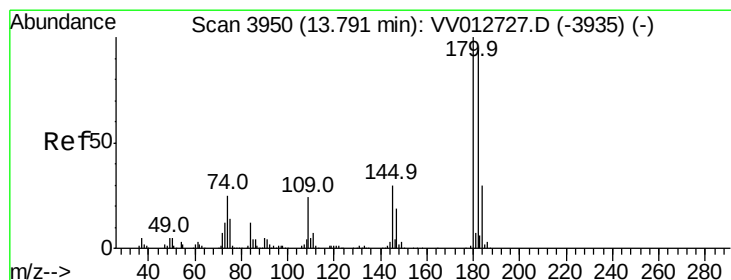
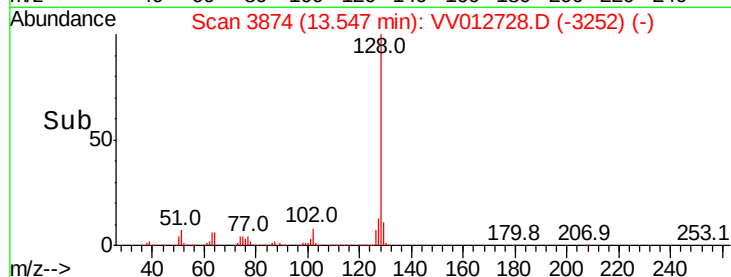
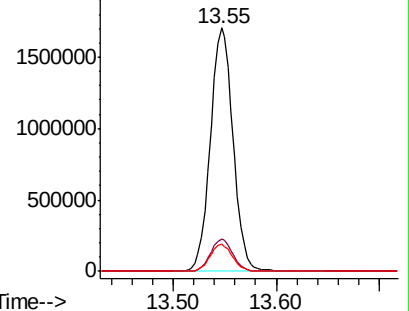
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2



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: 102.223 ug/L

RT: 13.79 min Scan# 3950

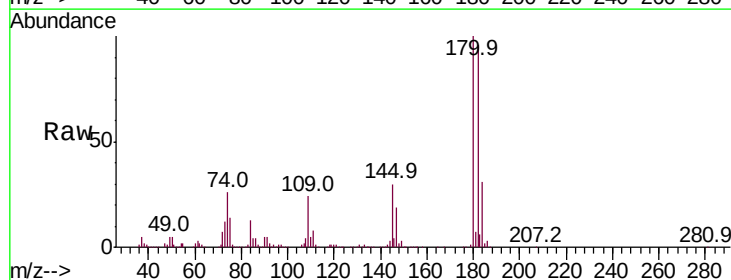
Delta R.T. 0.00 min

Lab File: VV012728.D

Acq: 13 Sep 2019 10:24

Tgt Ion:180 Resp: 870670

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	30.4	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

