

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012278.D
 Acq On : 19 Aug 2019 14:26
 Operator : SY/MD
 Sample : VSTD01035
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 18:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	114789	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	112656	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	61950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61307	8.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	46930	8.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	117236	9.89	ug/L	0.00
20) 2-Butanone-d5	3.96	46	173911	113.67	ug/L	0.00
24) Chloroform-d	4.40	84	172984	11.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	87996	12.66	ug/L	0.00
32) Benzene-d6	5.09	84	317175	11.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	88763	10.61	ug/L	0.00
41) Toluene-d8	7.36	98	307249	11.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	41495	12.46	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	142115	135.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	68016	11.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	129677	11.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	151012	12.870 ug/L	97
3) Chloromethane	1.25	50	74184	7.768 ug/L	97
5) Vinyl chloride	1.32	62	79315	8.077 ug/L	99
6) Bromomethane	1.54	94	43478	8.034 ug/L	96
8) Chloroethane	1.60	64	41863	7.698 ug/L	95
9) Trichlorofluoromethane	1.77	101	150827	11.409 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	63994	9.761 ug/L	99
12) 1,1-Dichloroethene	2.14	96	58003	9.534 ug/L	97
13) Acetone	2.23	43	86689	92.354 ug/L #	65
14) Carbon disulfide	2.32	76	156246	9.025 ug/L	96
15) Methyl Acetate	2.47	43	16752	7.407 ug/L	99
16) Methylene chloride	2.53	84	55108	8.664 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	190220	11.338 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	84229	10.481 ug/L	95
19) 1,1-Dichloroethane	3.23	63	146387	10.071 ug/L	99
21) 2-Butanone	4.05	43	170426	92.822 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	91997	10.484 ug/L	97
23) Bromochloromethane	4.30	128	42488	11.230 ug/L	98
25) Chloroform	4.42	83	170104	10.130 ug/L	100
27) 1,2-Dichloroethane	5.18	62	108000	11.591 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	165611	11.849 ug/L	99
30) Cyclohexane	4.72	56	124911	9.549 ug/L	99
31) Carbon tetrachloride	4.87	117	155143	12.184 ug/L	99
33) Benzene	5.14	78	338977	10.243 ug/L	100
34) Trichloroethene	5.96	95	97802	10.683 ug/L	99
35) Methylcyclohexane	6.17	83	153711	10.958 ug/L	99
37) 1,2-Dichloropropane	6.22	63	76466	9.384 ug/L	98
38) Bromodichloromethane	6.55	83	122155	11.160 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	132342	11.417 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	442955	99.400 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

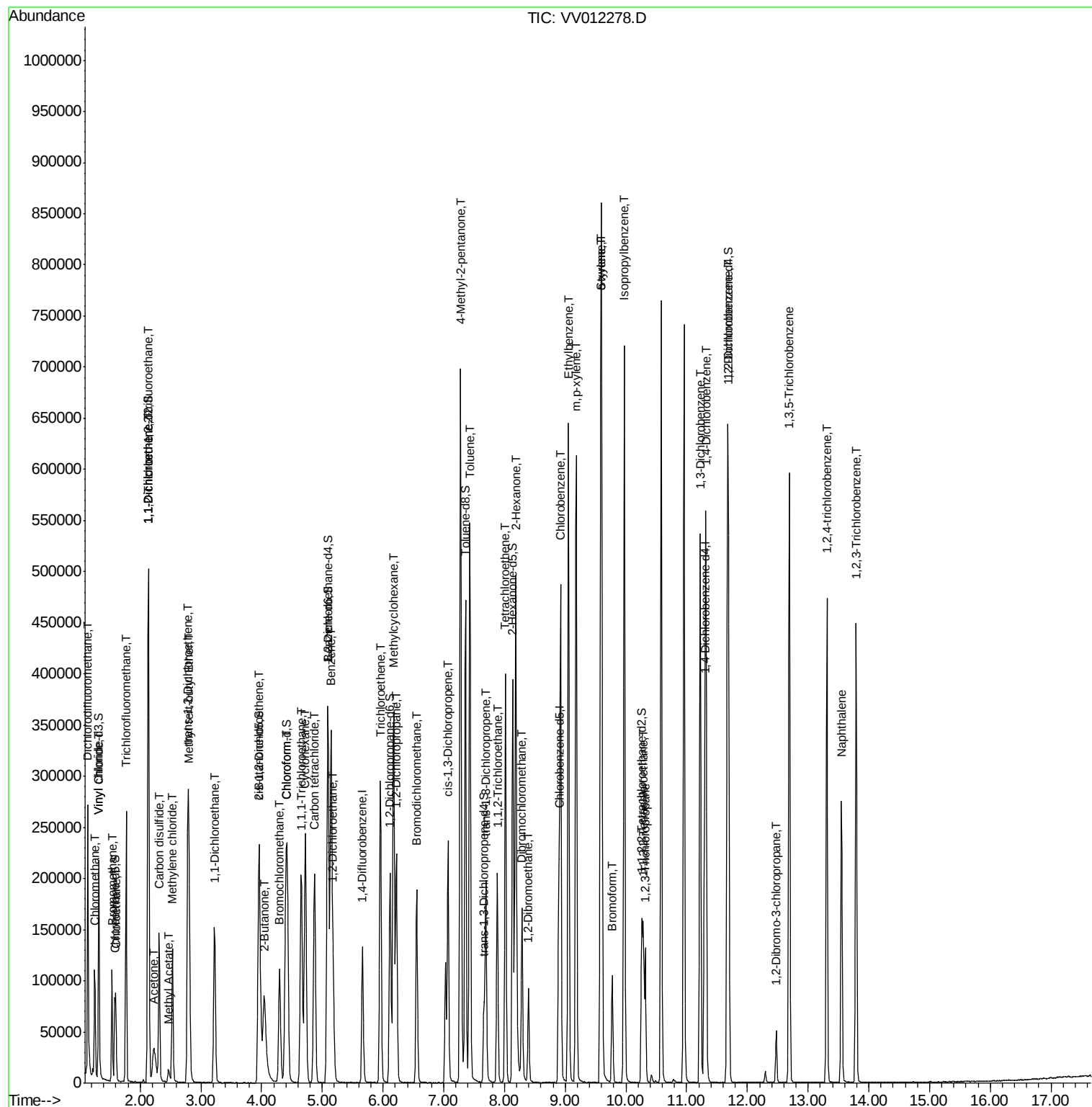
42) Toluene	7.43	91	389019	10.907	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	106263	11.511	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	60721	10.823	ug/L	99
47) Tetrachloroethene	8.02	164	92342	11.952	ug/L	98
48) 2-Hexanone	8.19	43	315666	101.037	ug/L	100
49) Dibromochloromethane	8.29	129	87040	12.253	ug/L	98
50) 1,2-Dibromoethane	8.40	107	58237	10.790	ug/L #	95
51) Chlorobenzene	8.92	112	258556	11.084	ug/L	99
52) Ethylbenzene	9.05	91	443113	11.532	ug/L	99
53) m,p-xylene	9.18	106	173701	11.676	ug/L	96
54) o-xylene	9.59	106	167681	11.926	ug/L	100
55) Styrene	9.60	104	286519	12.216	ug/L	99
56) Isopropylbenzene	9.97	105	460365	12.176	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66200	10.408	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50336	10.644	ug/L	100
61) Bromoform	9.77	173	49029	12.188	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	227883	11.108	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	224438	10.940	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	209118	11.097	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12122	10.173	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	189619	11.984	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	150963	12.817	ug/L	99
69) Naphthalene	13.55	128	219965	13.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	139638	12.676	ug/L	98

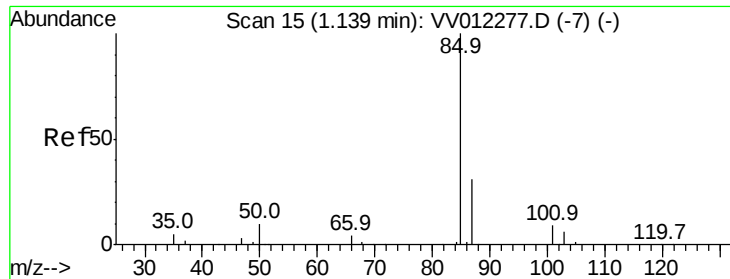
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 12.870 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

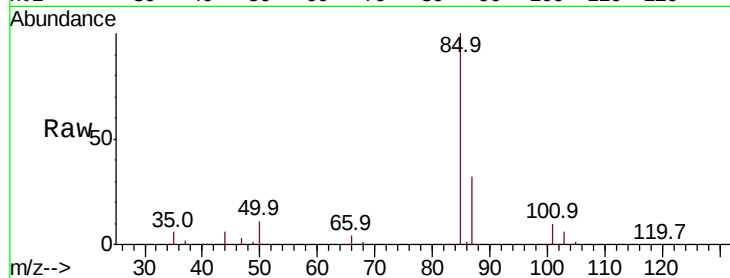
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 151012

Ion Ratio Lower Upper

85 100

87 32.6 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV012277.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012277.D (-7) (-)

1.14

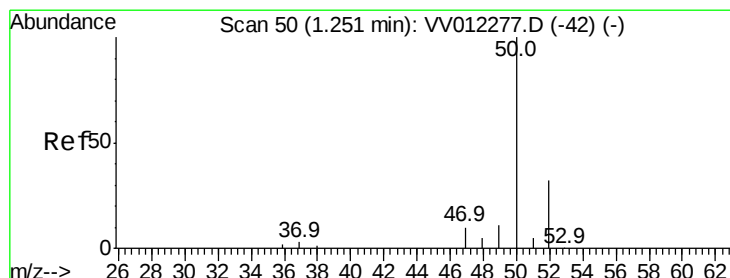
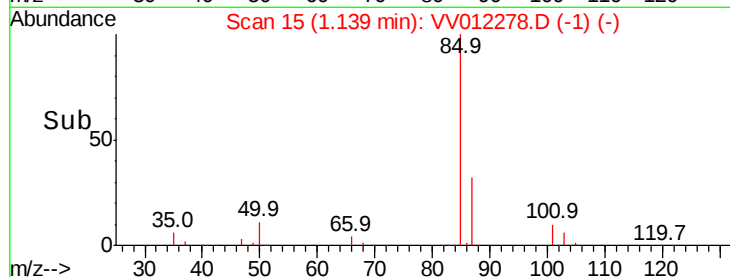
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 7.768 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012278.D

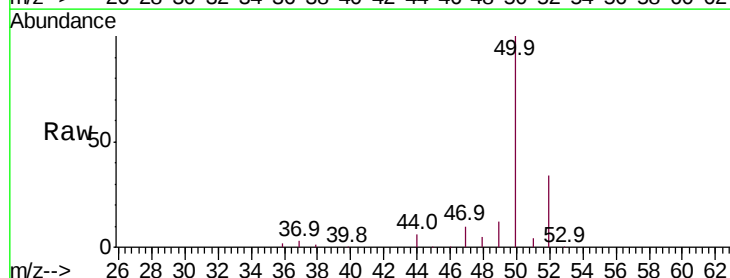
Acq: 19 Aug 2019 14:26

Tgt Ion: 50 Resp: 74184

Ion Ratio Lower Upper

50 100

52 34.2 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012277.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012277.D (-42) (-)

1.25

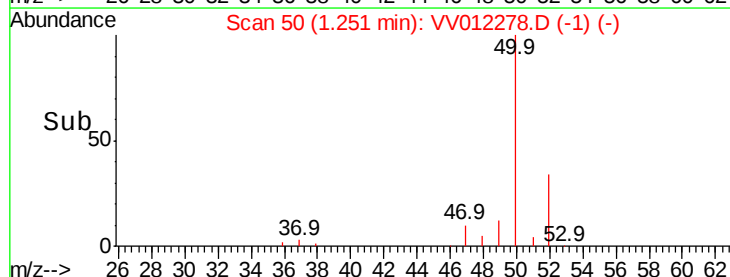
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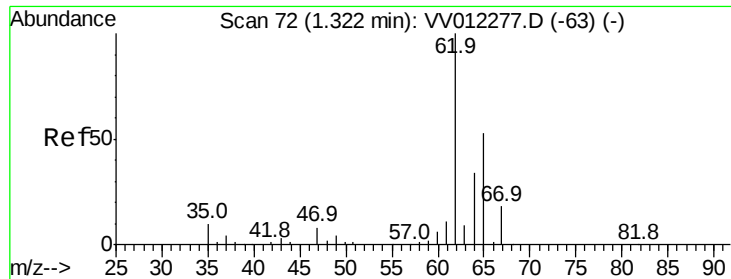
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 8.077 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

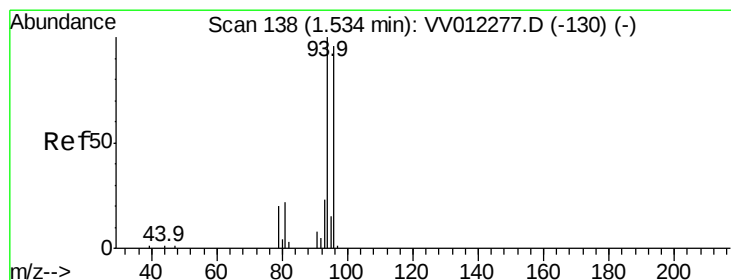
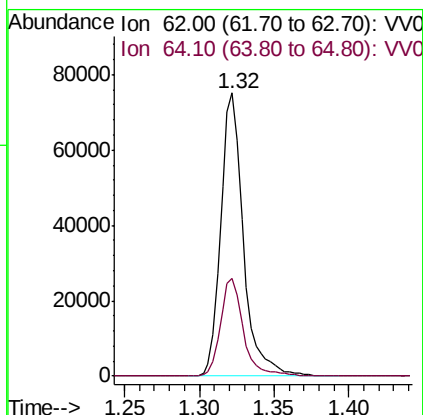
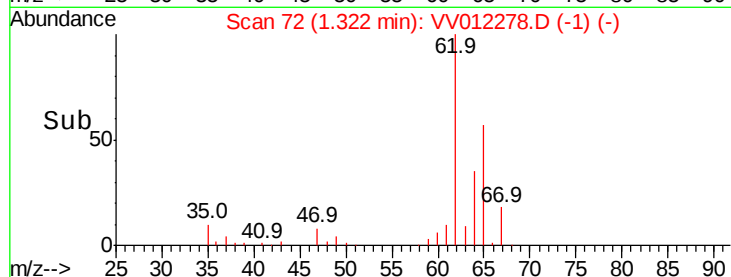
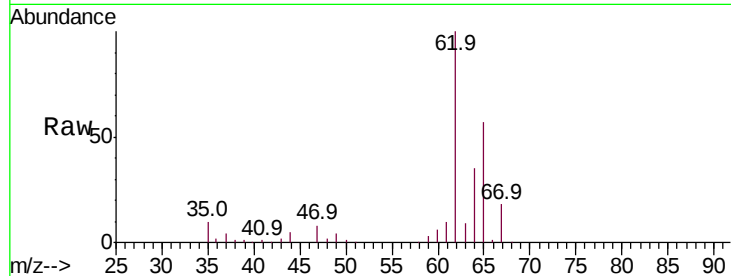
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 79315

Ion Ratio Lower Upper

62 100

64 34.5 23.8 44.2



#6

Bromomethane

Concen: 8.034 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012278.D

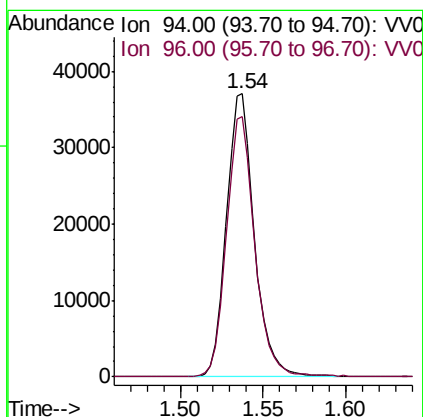
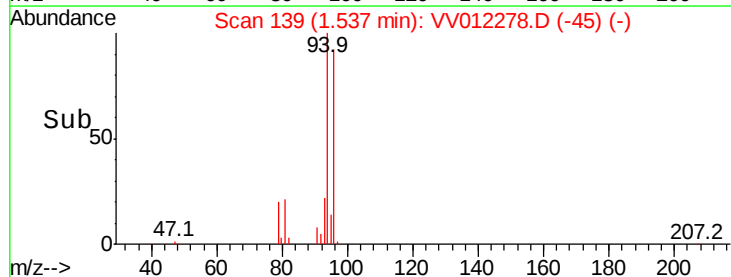
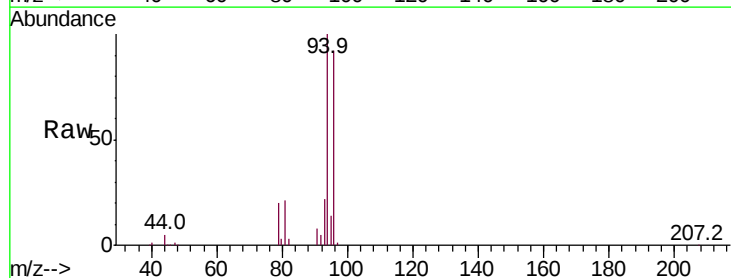
Acq: 19 Aug 2019 14:26

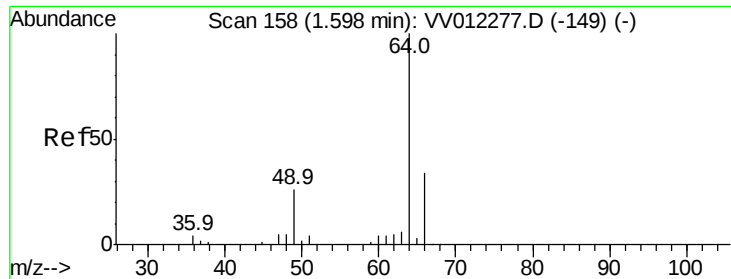
Tgt Ion: 94 Resp: 43478

Ion Ratio Lower Upper

94 100

96 92.1 67.3 125.1

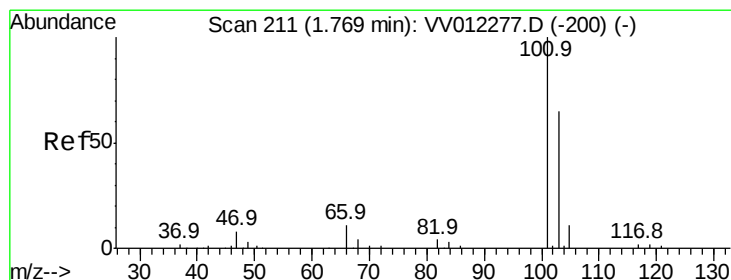
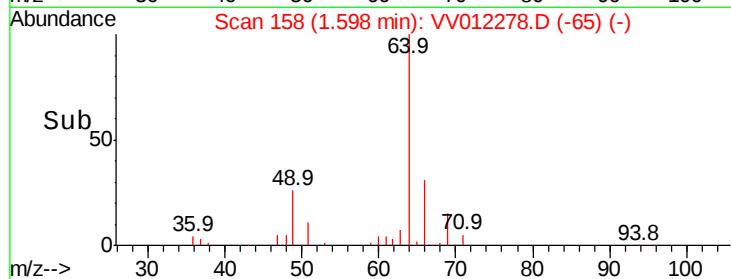
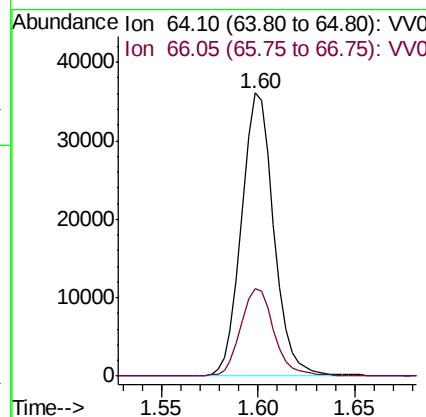
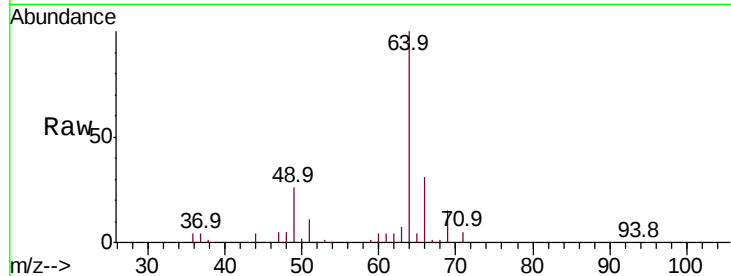




#8
Chloroethane
Concen: 7.698 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

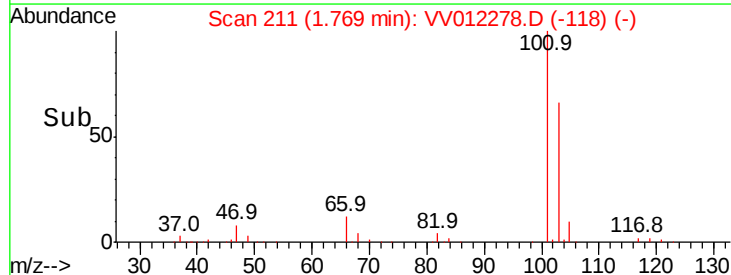
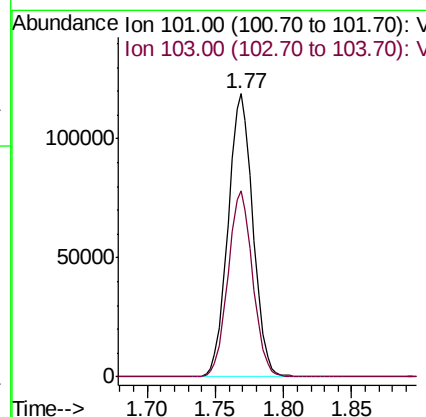
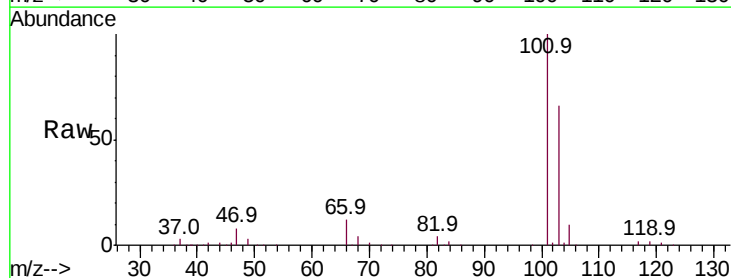
Instrument :
MSVOA_V
ClientSampled :

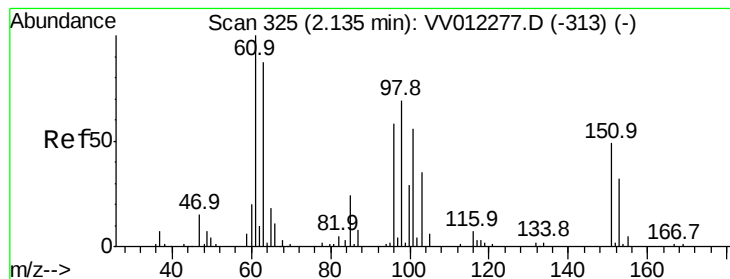
Tot Ion: 64 Resp: 41863
Ion Ratio Lower Upper
64 100
66 31.0 23.7 44.1



#9
Trichlorofluoromethane
Concen: 11.409 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Tgt Ion:101 Resp: 150827
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 9.761 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

ClientSampled :

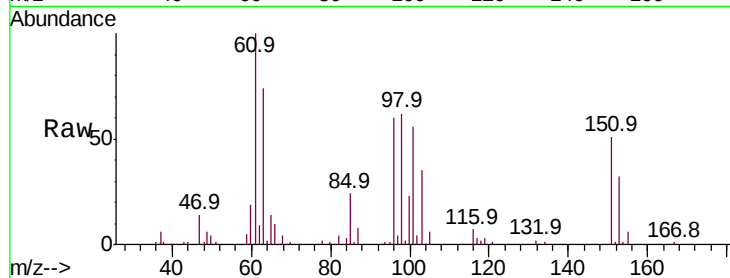
Tot Ion:101 Resp: 63994

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

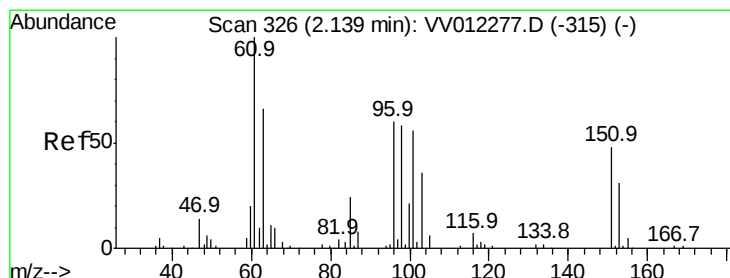
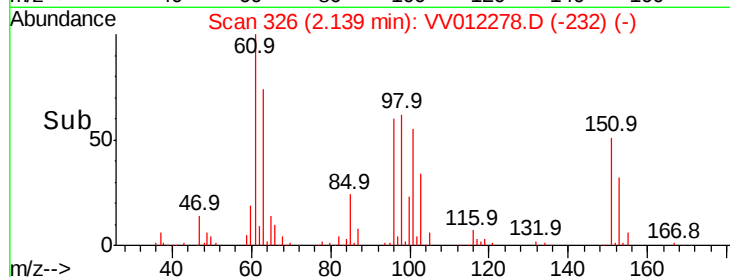
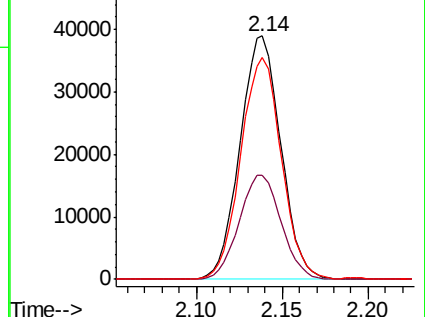
151 91.1 71.5 107.3



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: 9.534 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

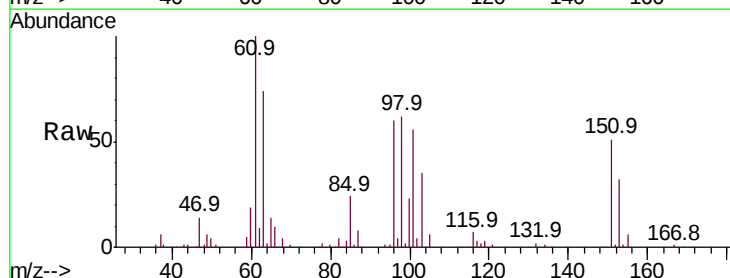
Tgt Ion: 96 Resp: 58003

Ion Ratio Lower Upper

96 100

61 166.9 117.7 218.7

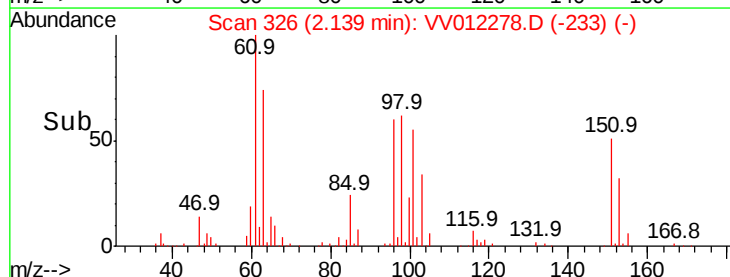
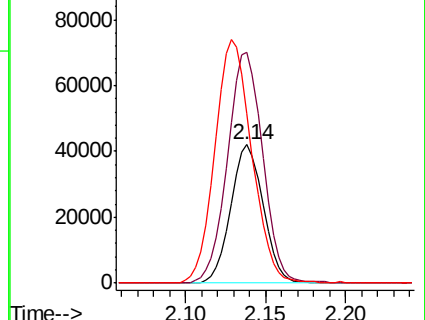
63 123.0 81.1 150.5

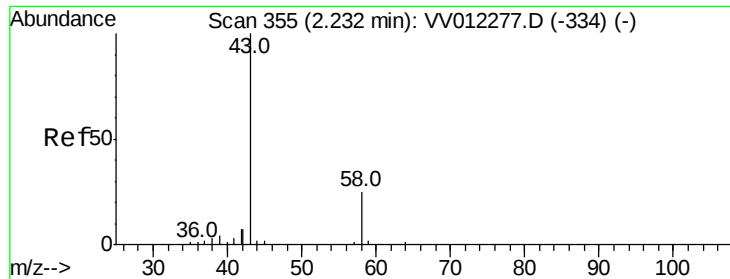


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 92.354 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

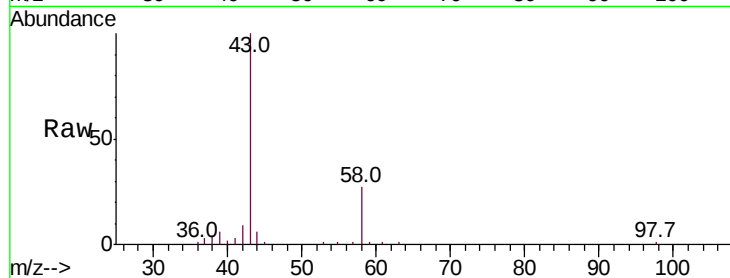
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 86689

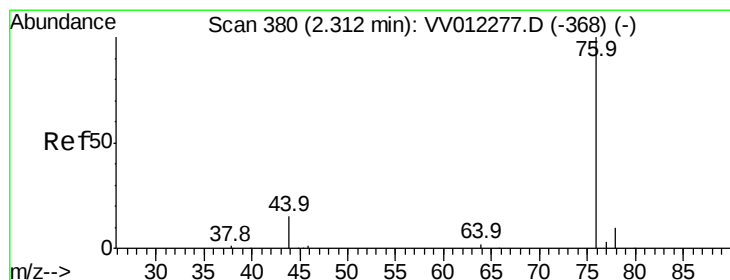
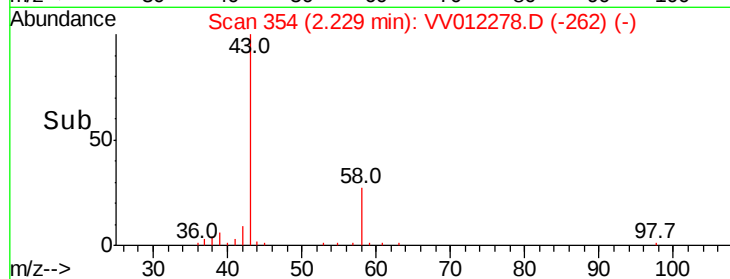
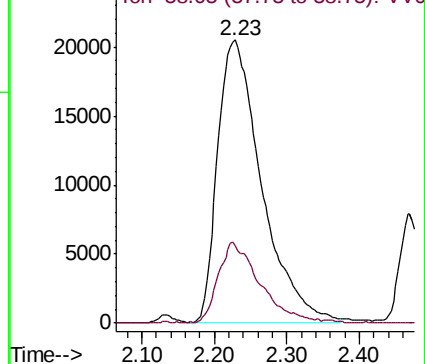
Ion Ratio Lower Upper

43 100

58 26.8 0.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 9.025 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012278.D

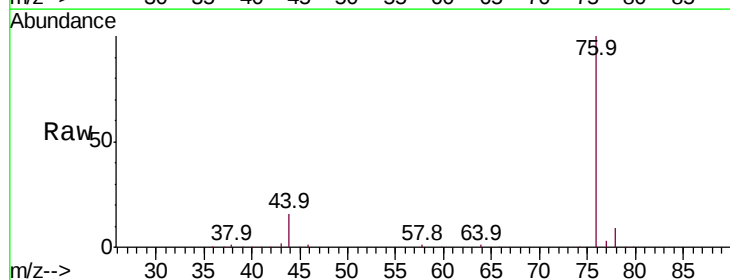
Acq: 19 Aug 2019 14:26

Tgt Ion: 76 Resp: 156246

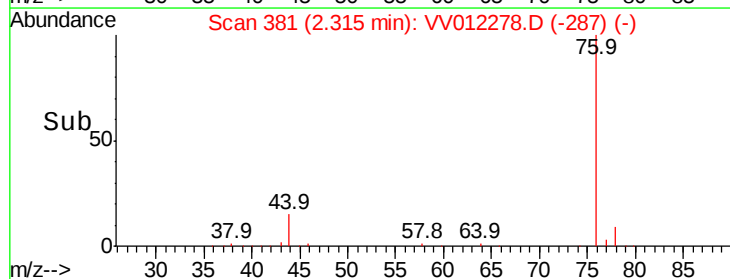
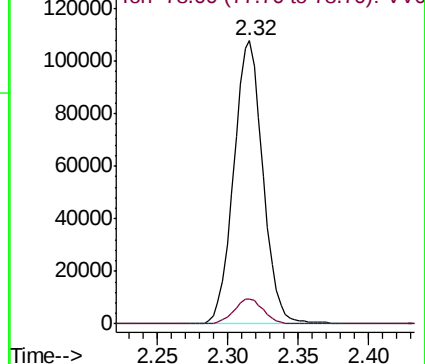
Ion Ratio Lower Upper

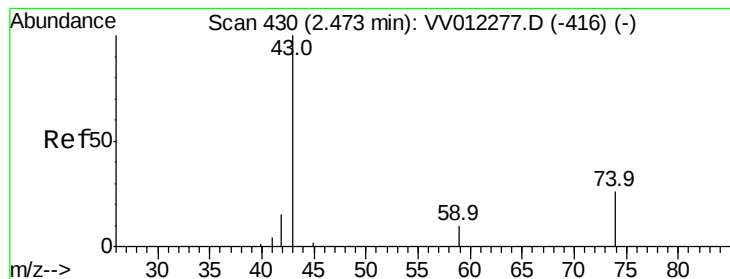
76 100

78 9.0 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 7.407 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

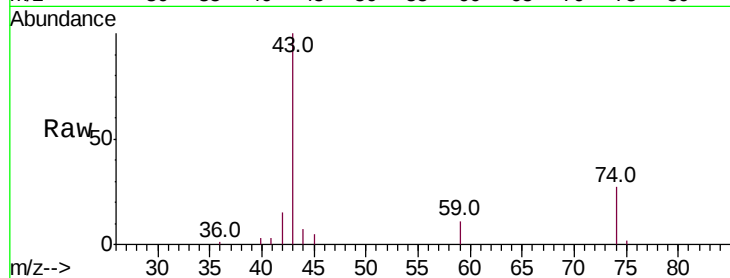
ClientSampleId :

Tot Ion: 43 Resp: 16752

Ion Ratio Lower Upper

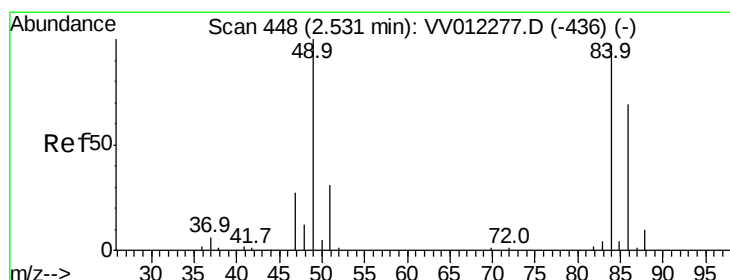
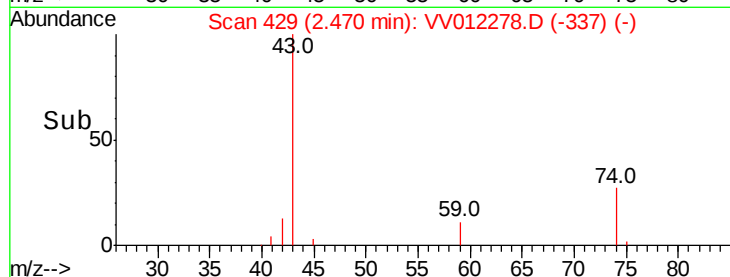
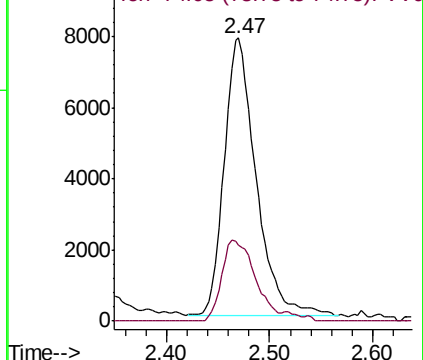
43 100

74 30.6 24.9 37.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 8.664 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

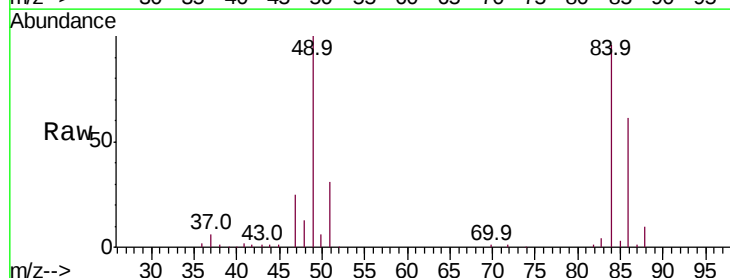
Tgt Ion: 84 Resp: 55108

Ion Ratio Lower Upper

84 100

86 63.4 49.5 91.9

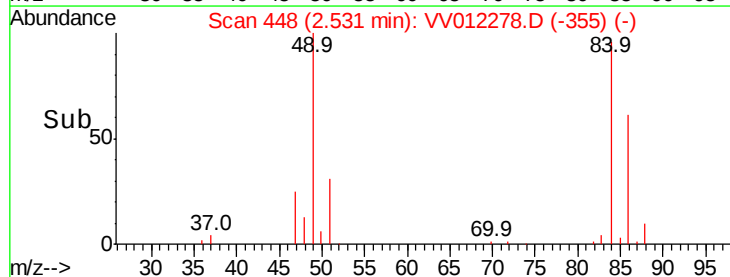
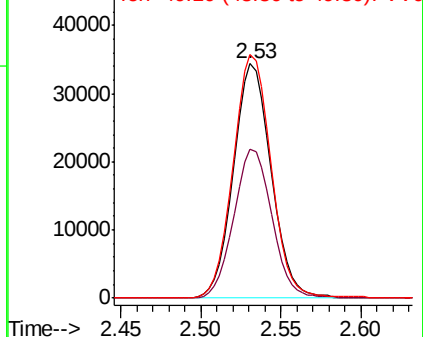
49 104.0 72.1 133.9

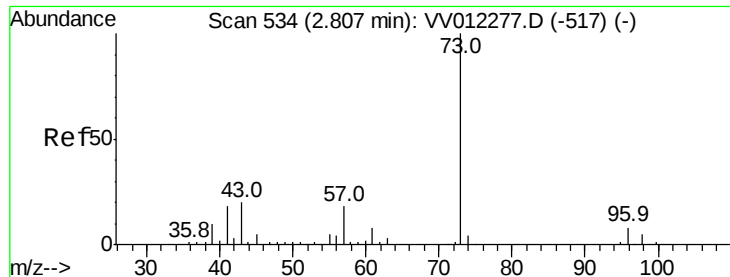


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



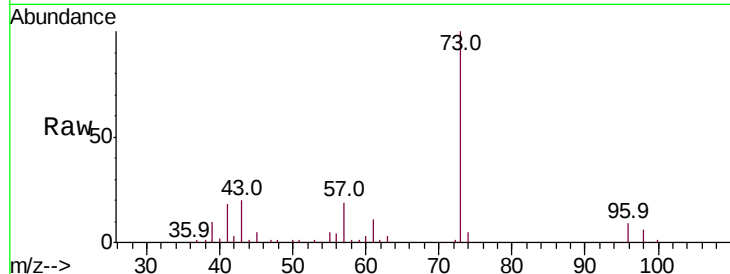


#17

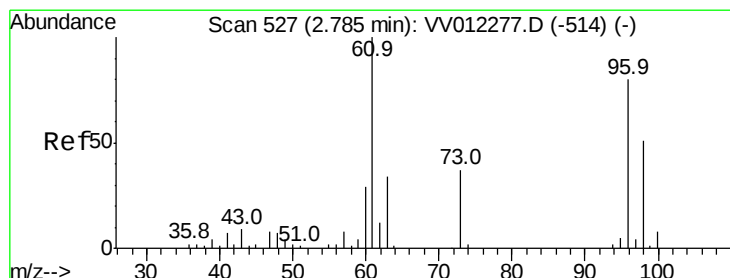
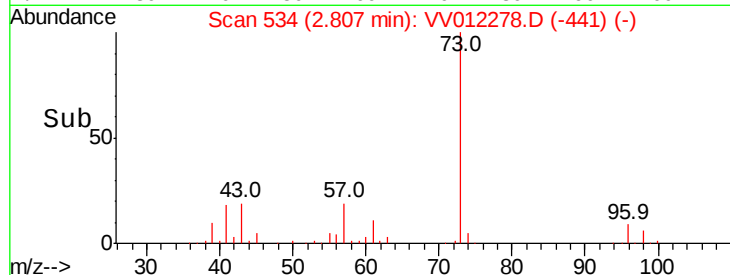
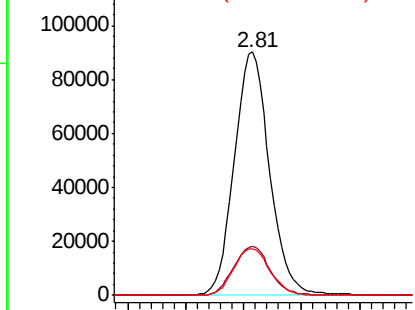
Methvl tert-butvl Ether
 Concen: 11.338 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 190220
 Ion Ratio Lower Upper
 73 100
 43 21.0 17.0 25.4
 57 19.8 15.8 23.6



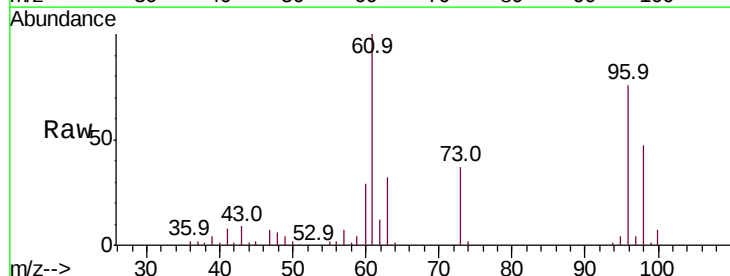
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



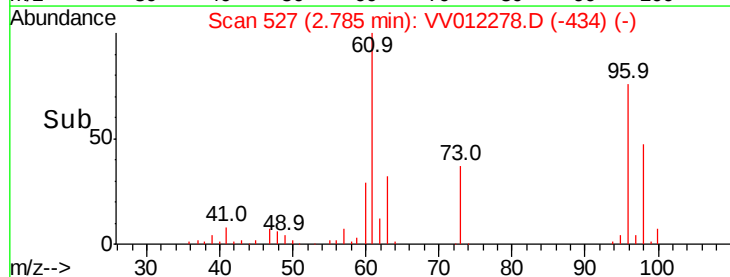
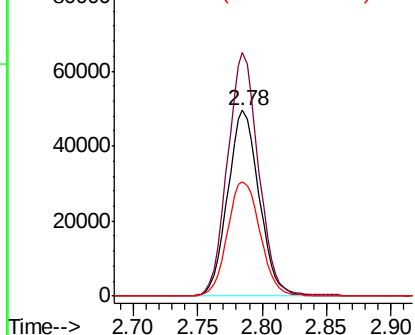
#18

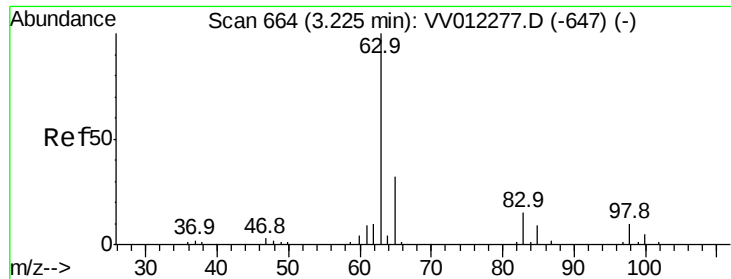
trans-1,2-Dichloroethene
 Concen: 10.481 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 96 Resp: 84229
 Ion Ratio Lower Upper
 96 100
 61 130.9 87.4 162.2
 98 61.3 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0



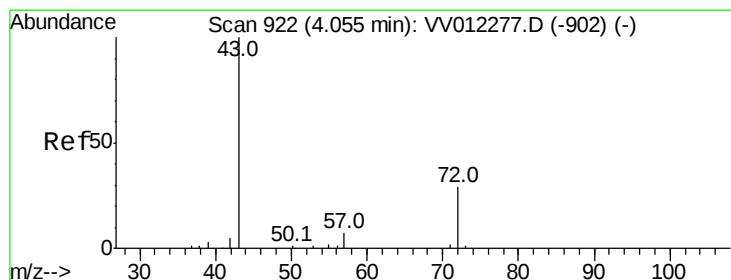
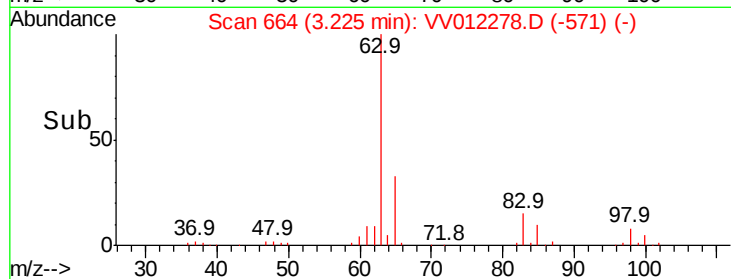
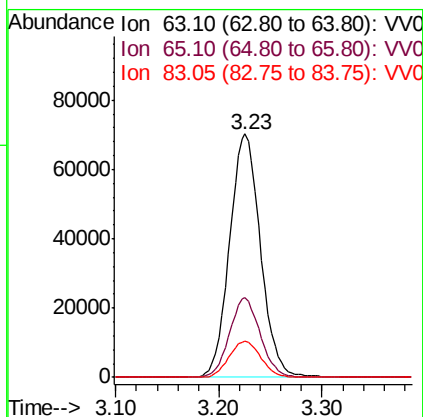
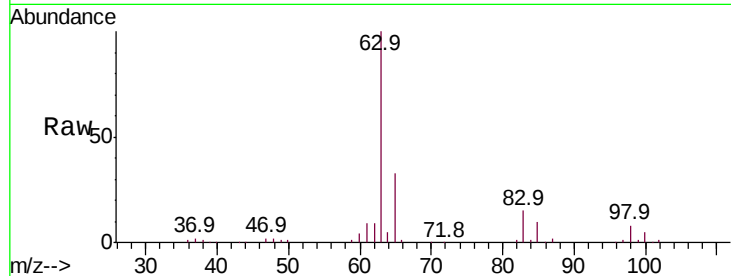


#19
 1,1-Dichloroethane
 Concen: 10.071 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 146387

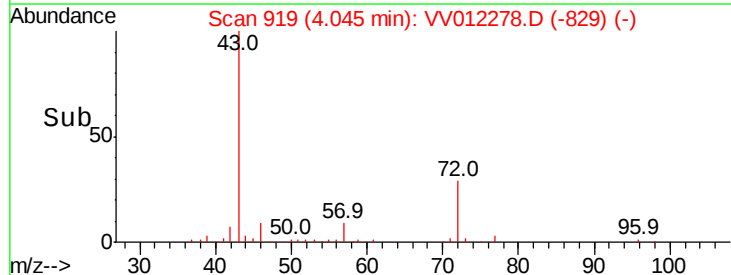
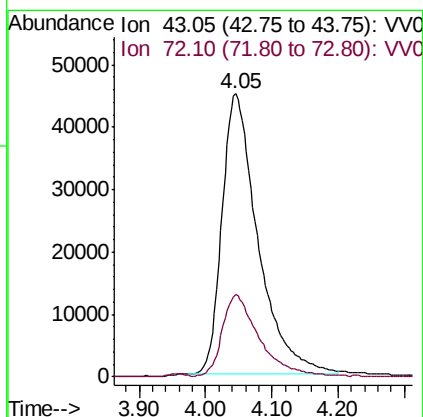
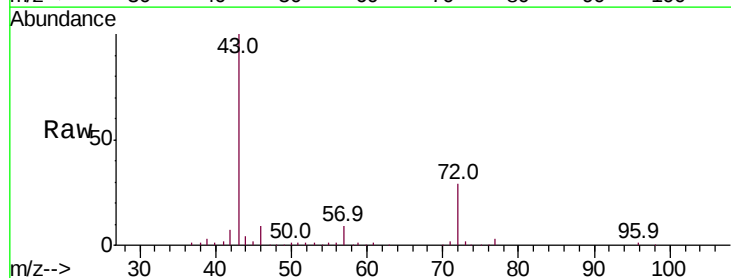
Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.7	42.1
83	14.7	10.5	19.5

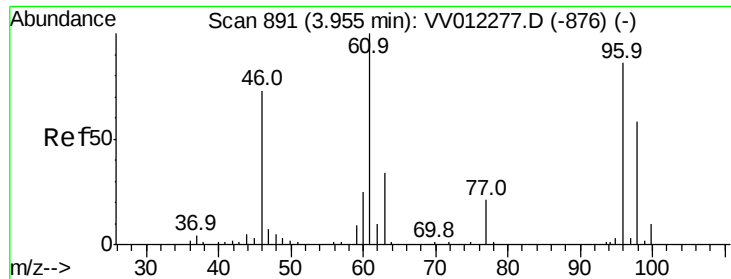


#21
 2-Butanone
 Concen: 92.822 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 43 Resp: 170426

Ion	Ratio	Lower	Upper
43	100		
72	29.5	14.8	44.4



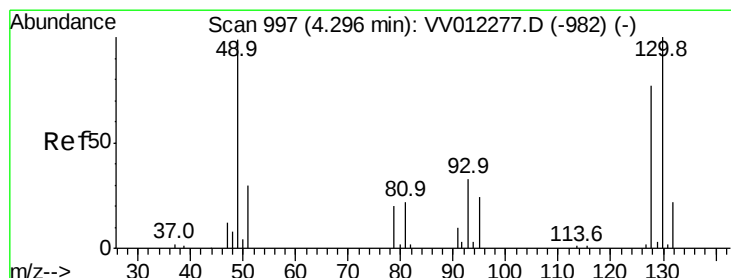
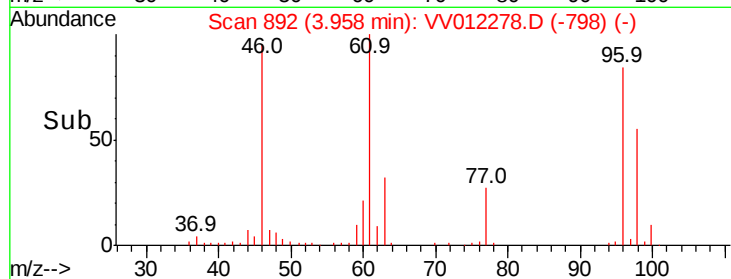
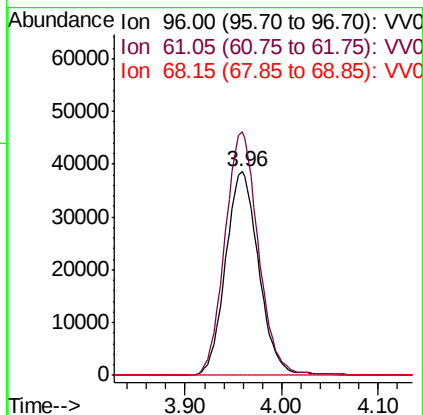
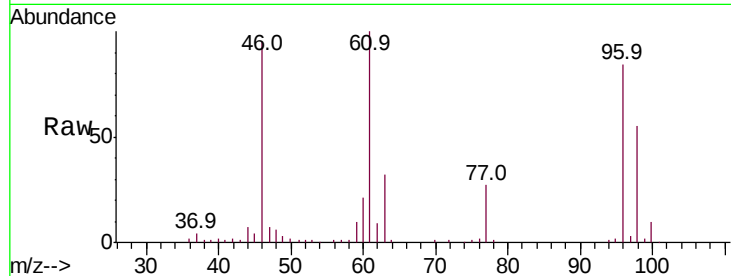


#22

cis-1,2-Dichloroethene
 Concen: 10.484 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

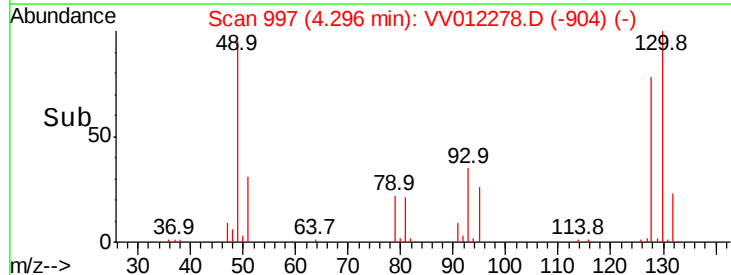
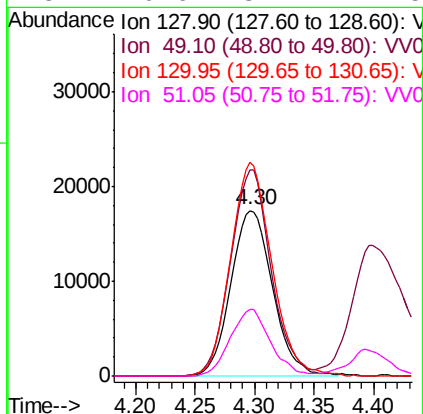
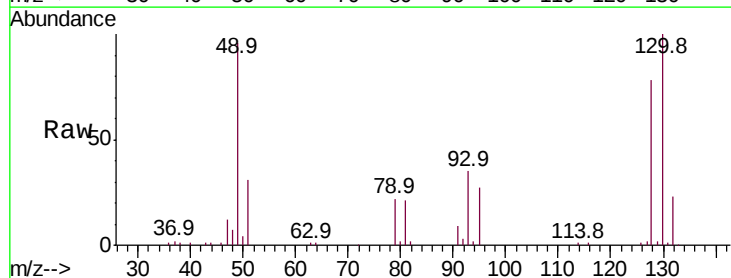
Tot Ion: 96 Resp: 91997
 Ion Ratio Lower Upper
 96 100
 61 119.4 81.6 151.6
 68 0.0 0.0 0.0

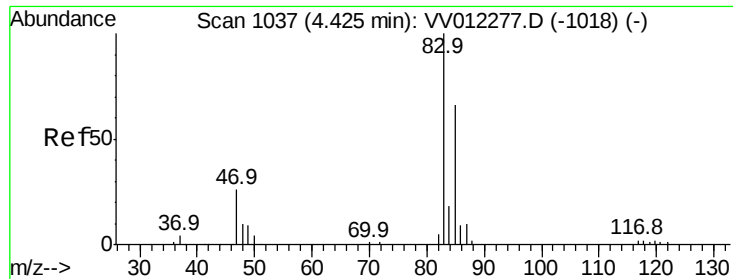


#23

Bromochloromethane
 Concen: 11.230 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 128 Resp: 42488
 Ion Ratio Lower Upper
 128 100
 49 124.2 90.2 167.6
 130 129.0 91.2 169.4
 51 40.6 31.7 47.5

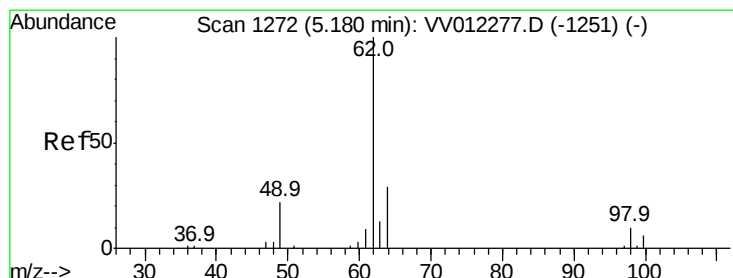
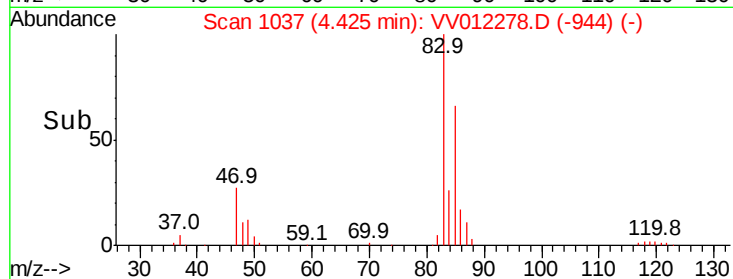
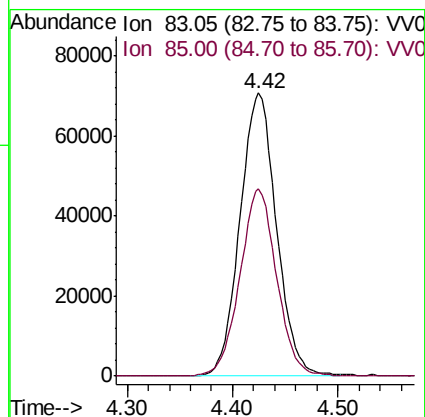
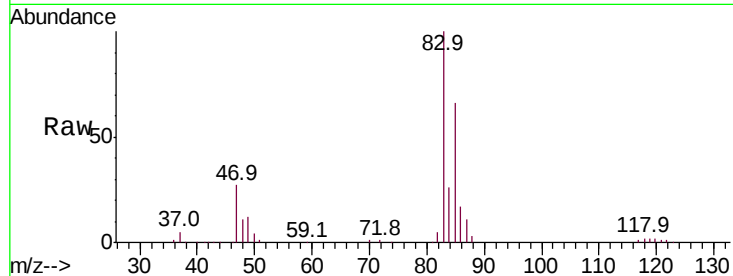




#25
Chloroform
Concen: 10.130 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

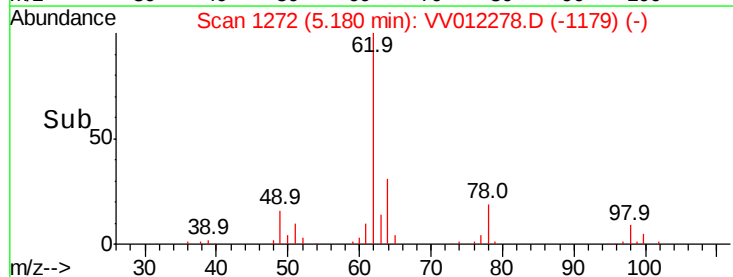
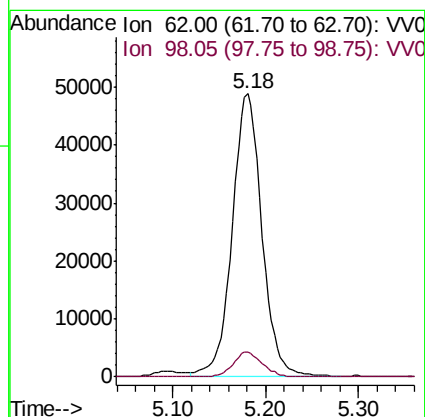
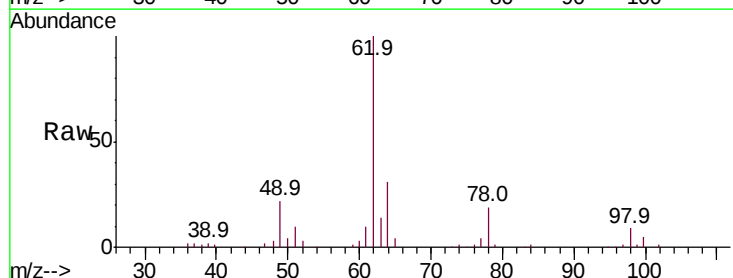
Instrument :
MSVOA_V
ClientSampleId :

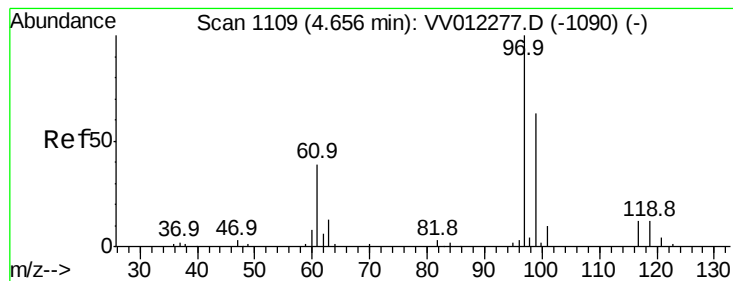
Tot Ion: 83 Resp: 170104
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 11.591 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Tgt Ion: 62 Resp: 108000
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 11.849 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

ClientSampled :

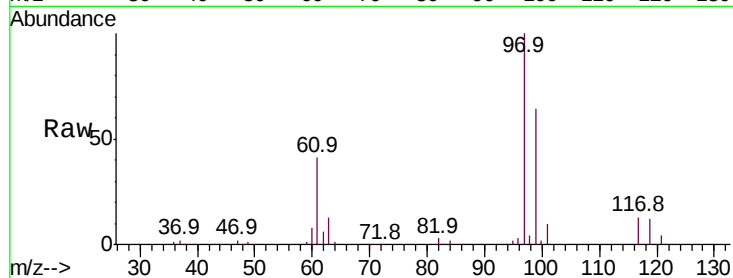
Tot Ion: 97 Resp: 165611

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

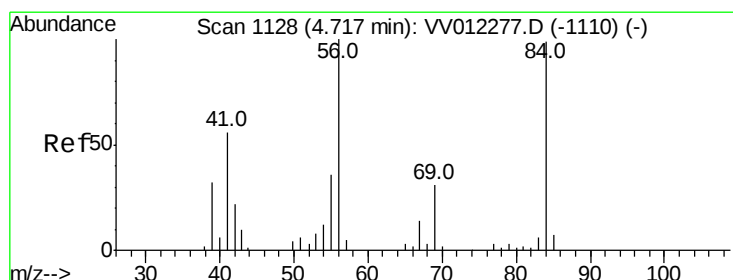
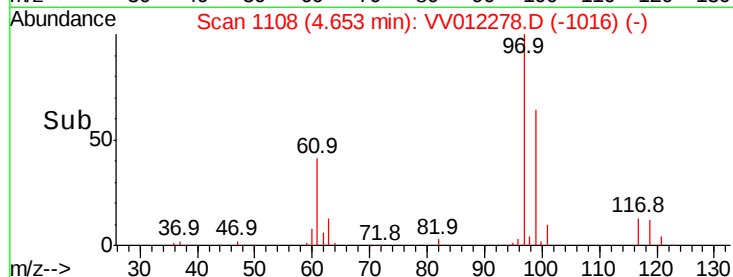
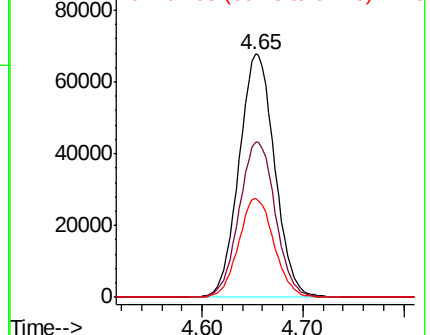
61 40.4 31.7 47.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 9.549 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

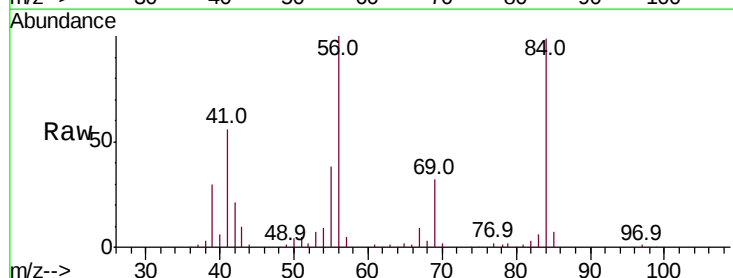
Tgt Ion: 56 Resp: 124911

Ion Ratio Lower Upper

56 100

69 33.0 25.3 37.9

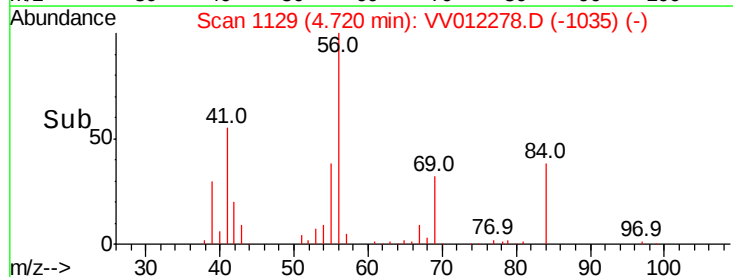
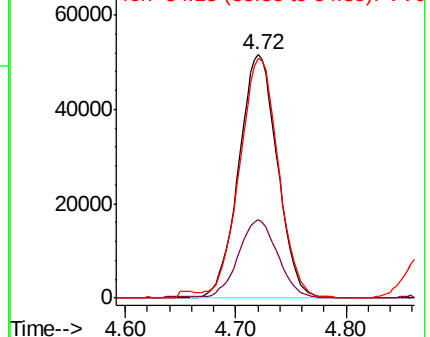
84 99.7 79.9 119.9

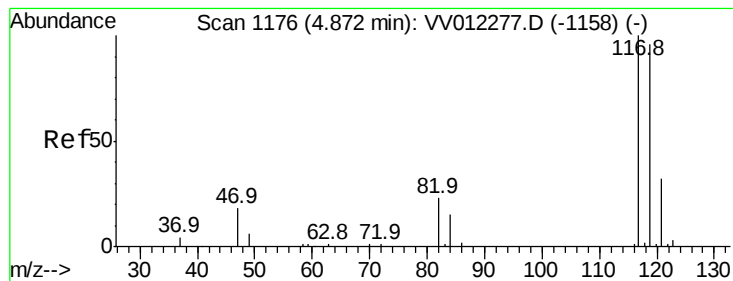


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 12.184 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

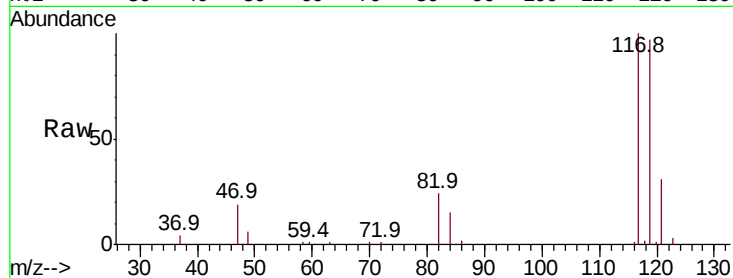
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 155143

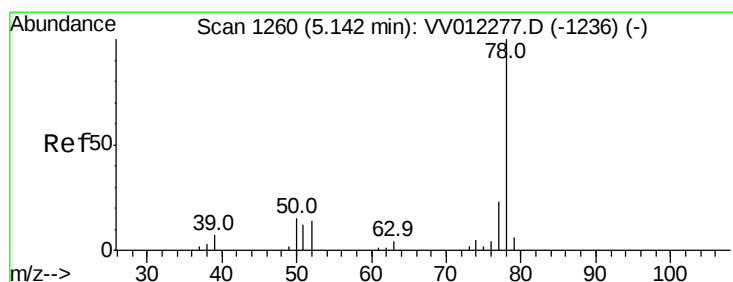
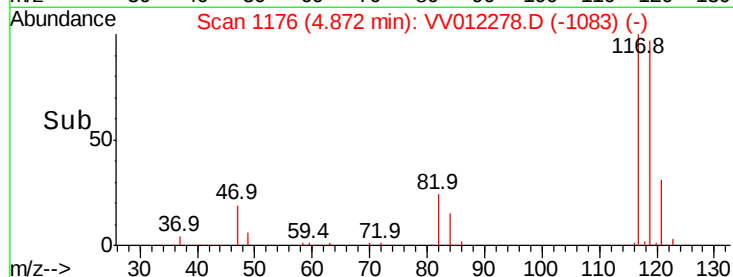
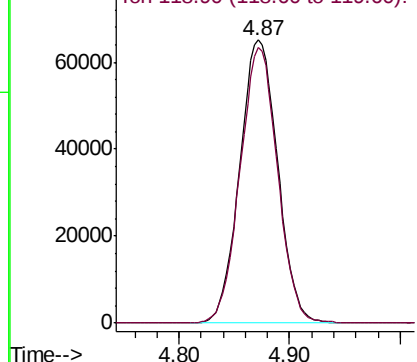
Ion Ratio Lower Upper

117 100

119 96.0 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.243 ug/L

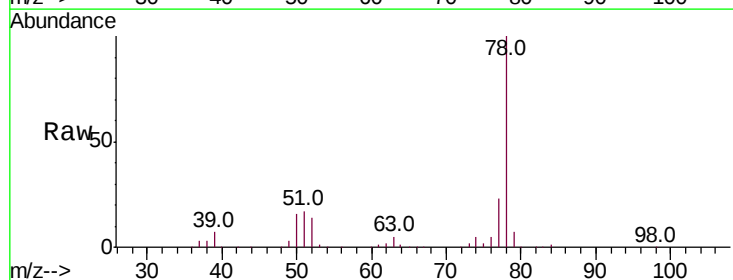
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

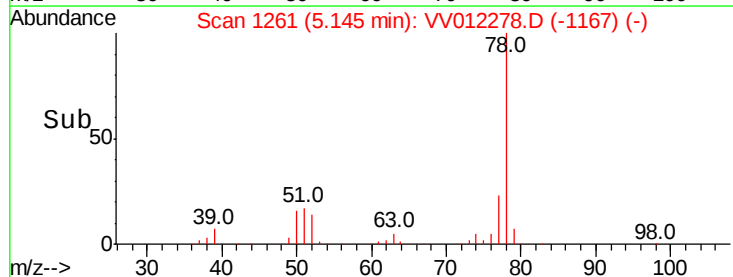
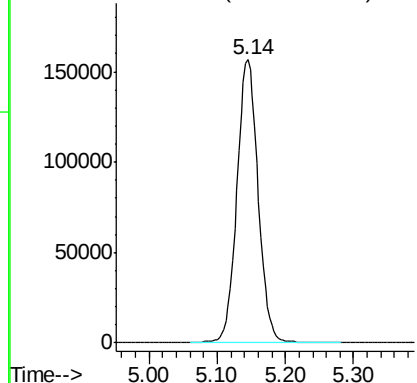
Lab File: VV012278.D

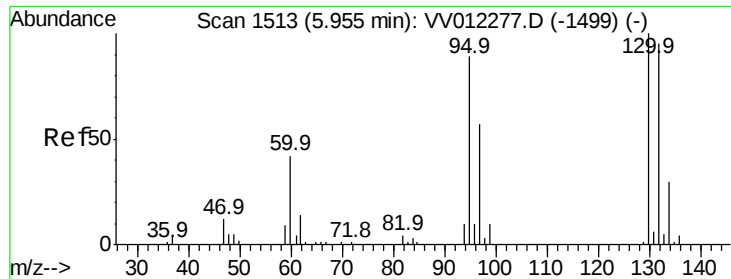
Acq: 19 Aug 2019 14:26

Tgt Ion: 78 Resp: 338977



Abundance Ion 78.10 (77.80 to 78.80): VV0

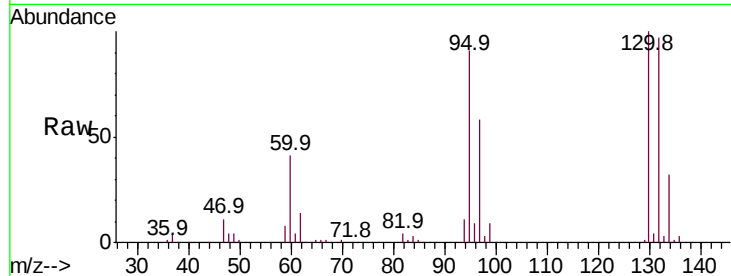




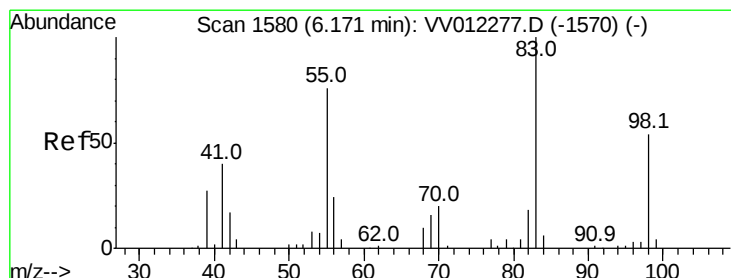
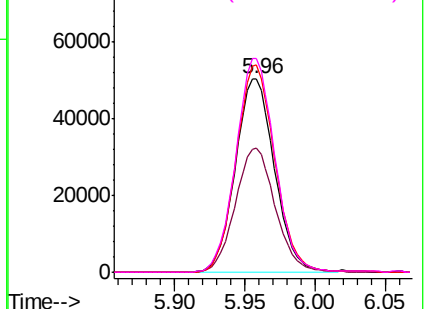
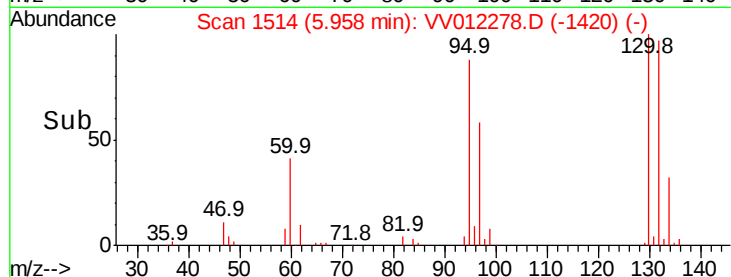
#34
 Trichloroethene
 Concen: 10.683 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 97802
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.9 83.5
 132 106.9 74.9 139.1
 130 110.3 79.0 146.8

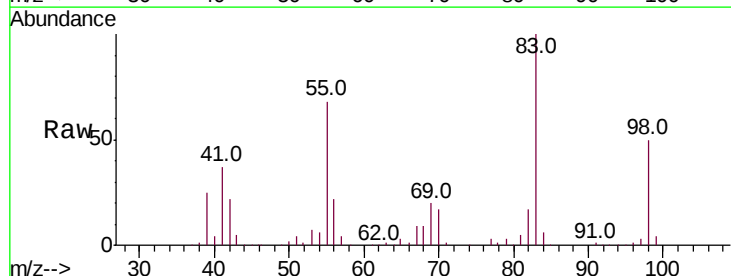


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

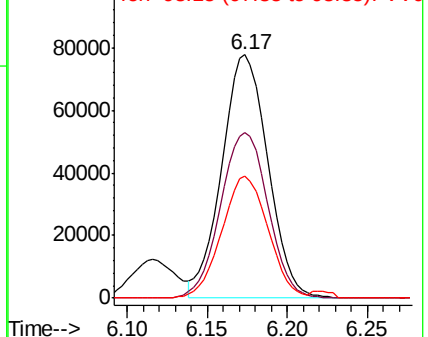
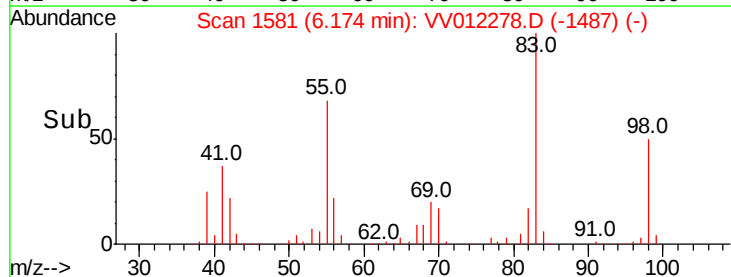


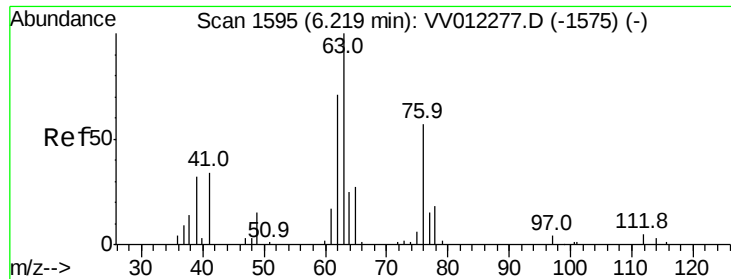
#35
 Methylcyclohexane
 Concen: 10.958 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 83 Resp: 153711
 Ion Ratio Lower Upper
 83 100
 55 70.1 57.3 85.9
 98 50.4 40.3 60.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 9.384 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

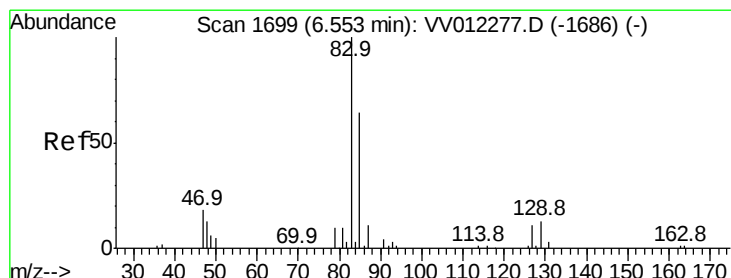
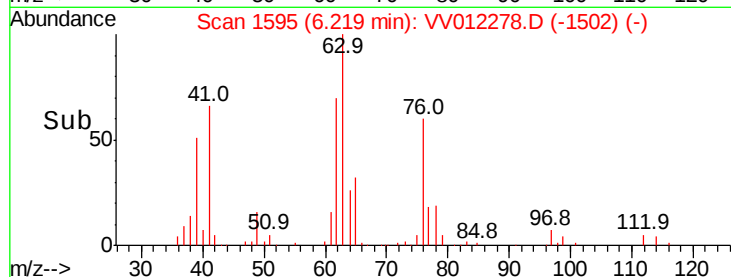
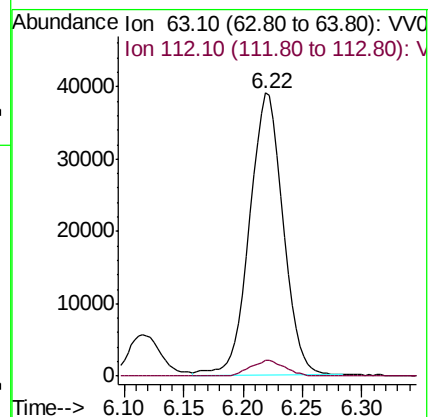
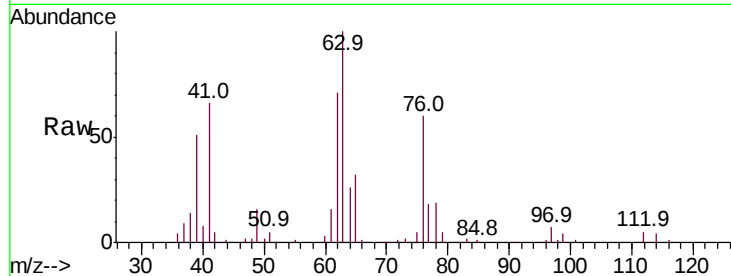
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 76466

Ion Ratio Lower Upper

63 100

112 5.7 5.1 7.7



#38

Bromodichloromethane

Concen: 11.160 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

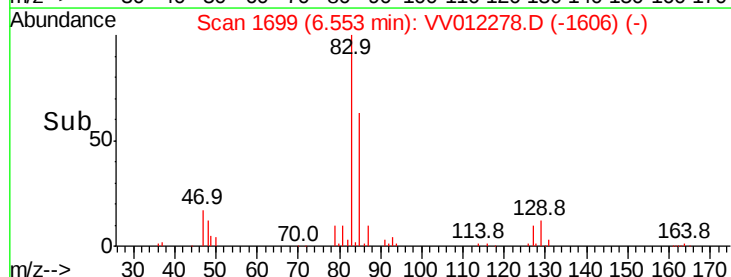
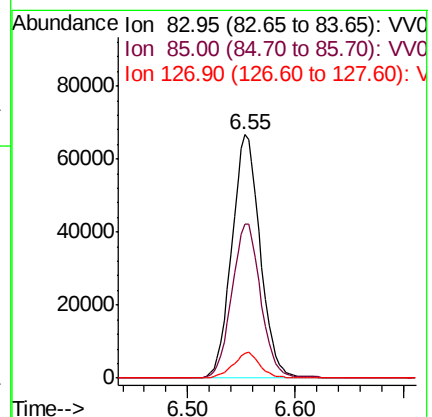
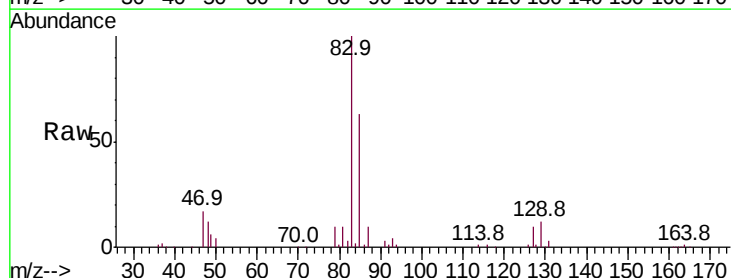
Tgt Ion: 83 Resp: 122155

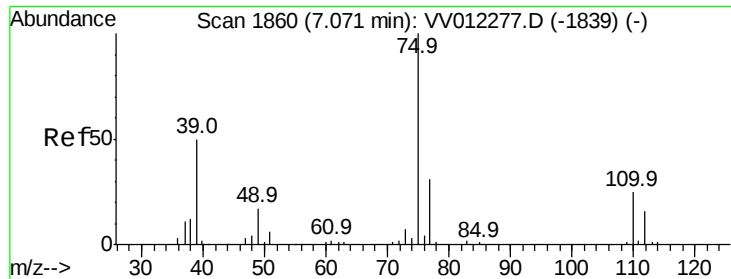
Ion Ratio Lower Upper

83 100

85 63.2 44.5 82.7

127 10.3 8.9 13.3

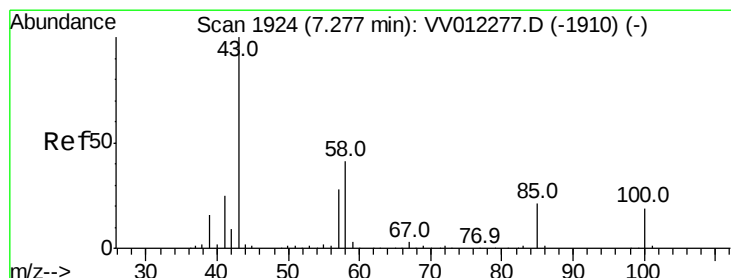
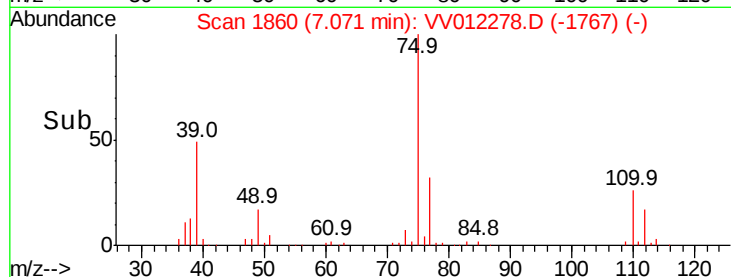
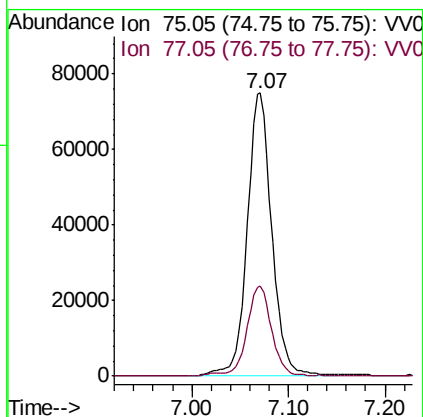
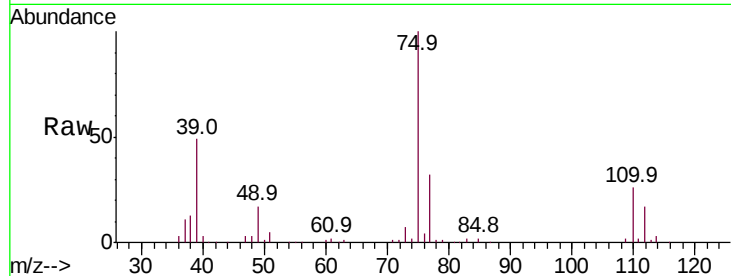




#39
 cis-1,3-Dichloropropene
 Concen: 11.417 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

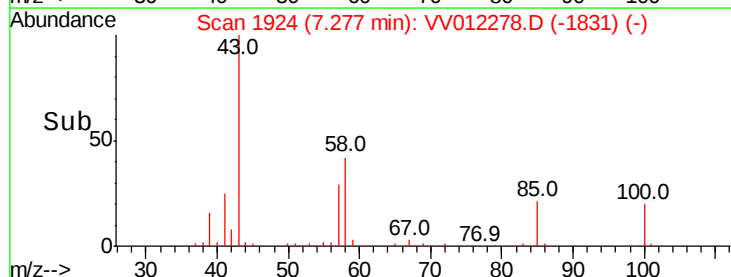
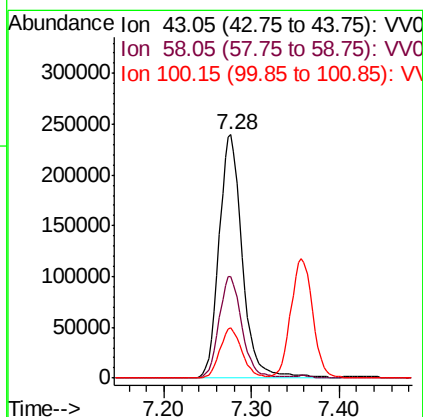
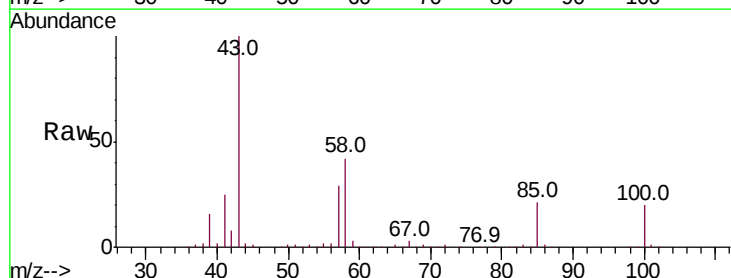
Instrument :
 MSVOA_V
 ClientSampleId :

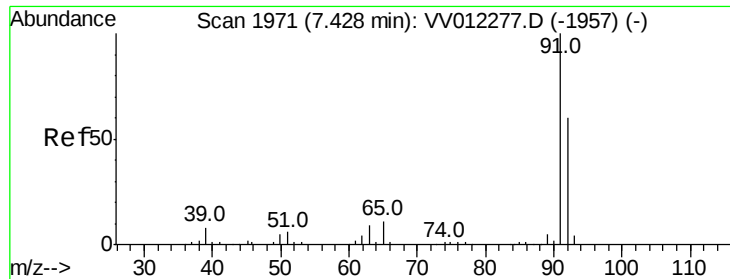
Tot Ion: 75 Resp: 132342
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 99.400 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 43 Resp: 442955
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.1 48.1
 100 19.7 15.2 22.8





#42

Toluene

Concen: 10.907 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

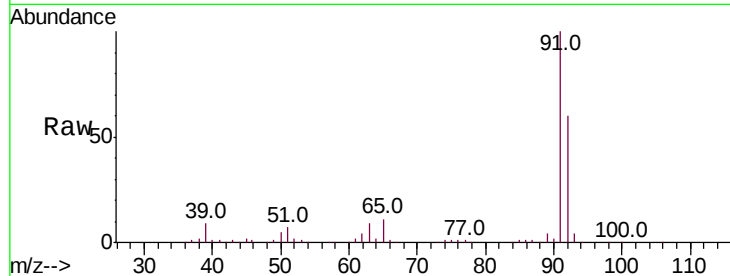
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 389019

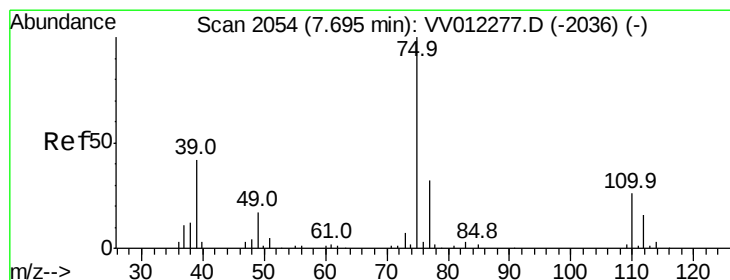
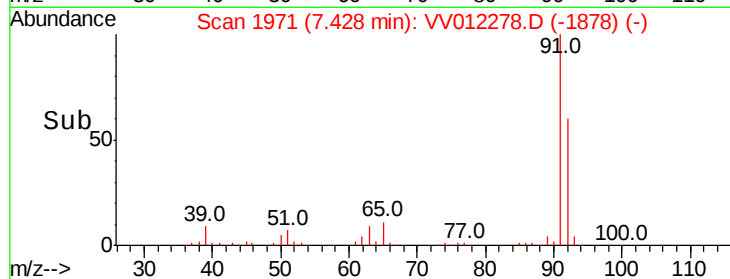
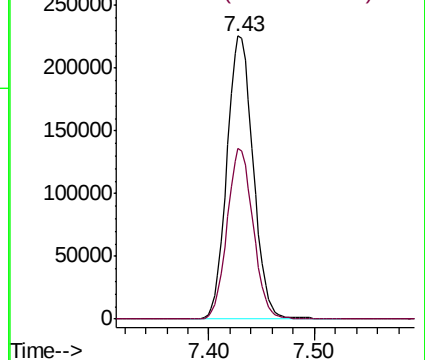
Ion Ratio Lower Upper

91 100

92 60.3 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 11.511 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012278.D

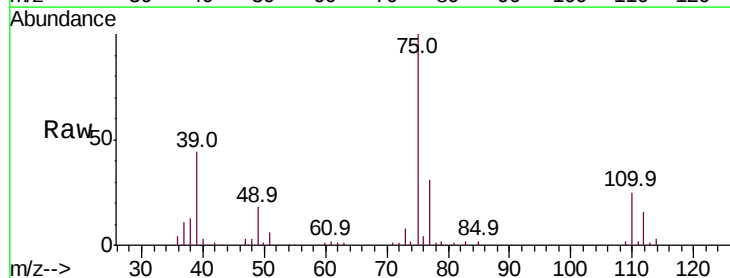
Acq: 19 Aug 2019 14:26

Tgt Ion: 75 Resp: 106263

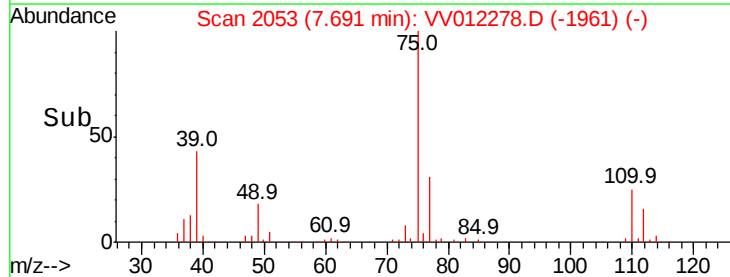
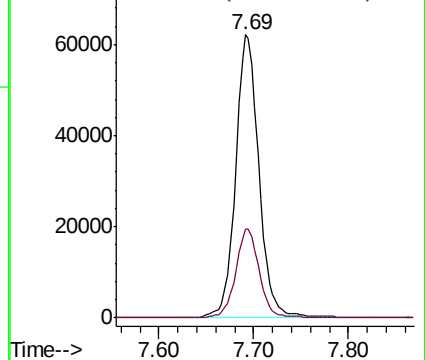
Ion Ratio Lower Upper

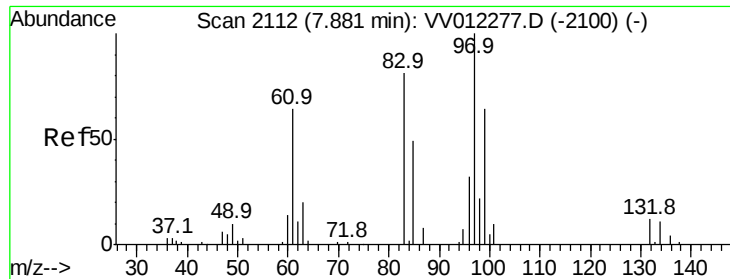
75 100

77 31.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

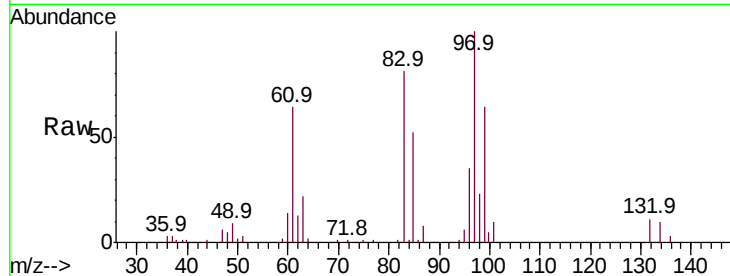




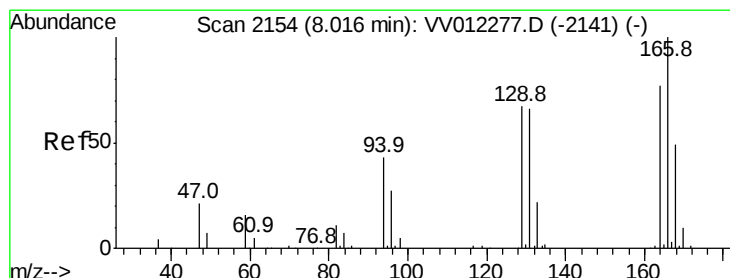
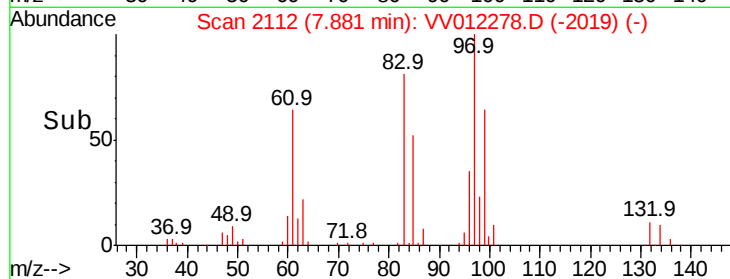
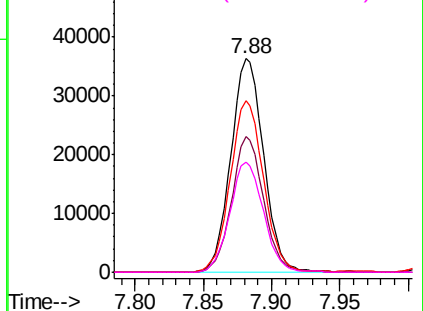
#45
1,1,2-Trichloroethane
Concen: 10.823 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	60721
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.7	83.1
83	80.6	56.8	105.6
85	51.6	34.5	64.1

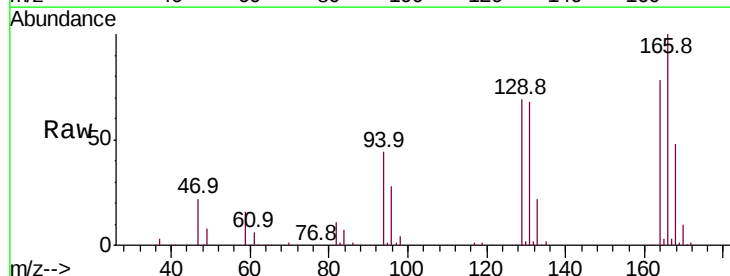


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

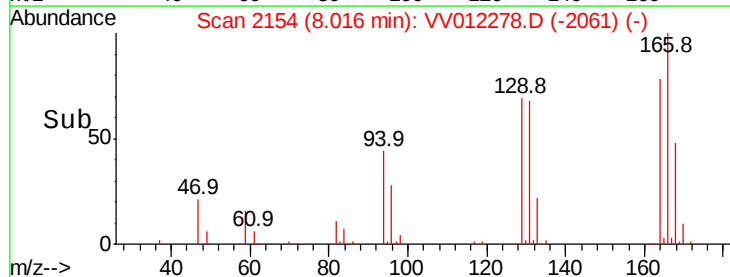
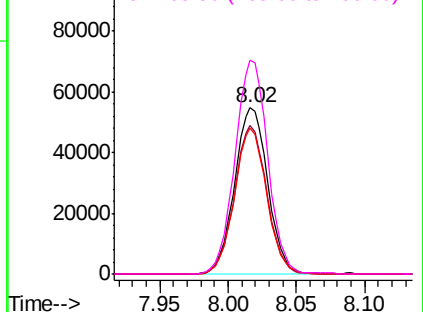


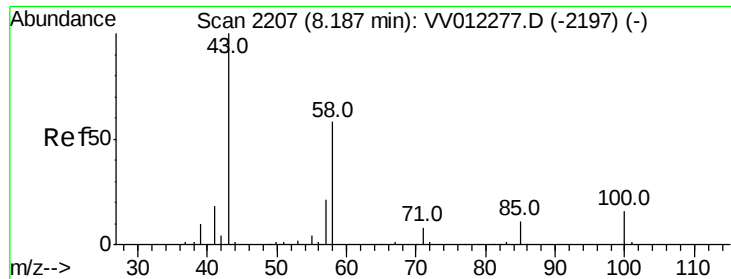
#47
Tetrachloroethene
Concen: 11.952 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Tgt Ion:	164	Resp:	92342
Ion	Ratio	Lower	Upper
164	100		
129	89.1	60.8	112.8
131	87.5	59.4	110.2
166	128.6	90.4	167.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

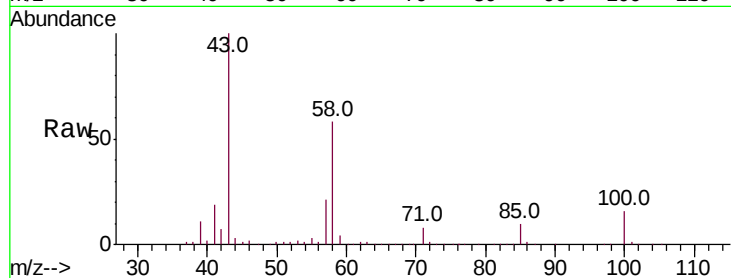




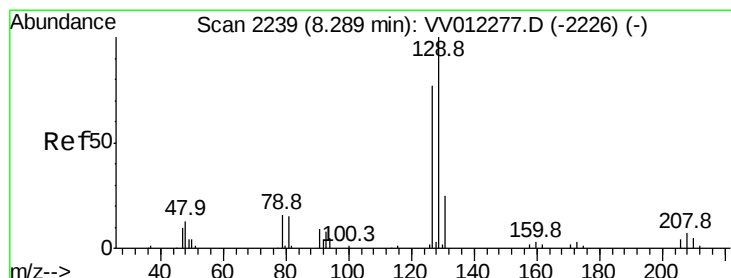
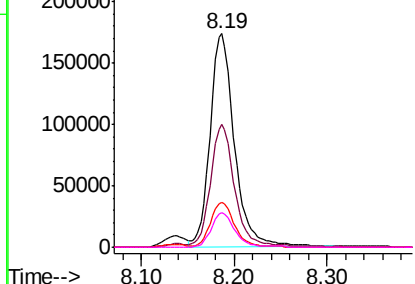
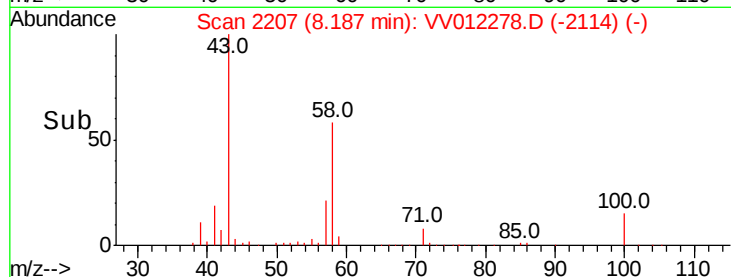
#48
2-Hexanone
Concen: 101.037 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 315666
Ion Ratio Lower Upper
43 100
58 57.1 45.4 68.2
57 21.0 16.8 25.2
100 15.7 12.2 18.2

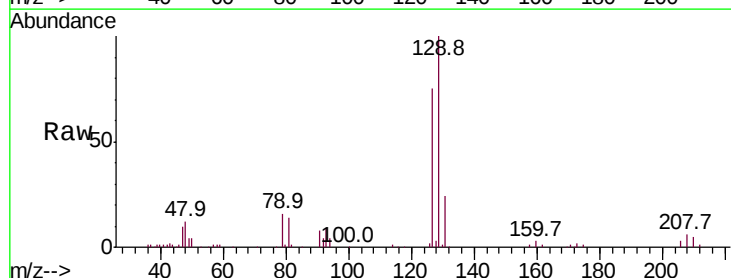


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

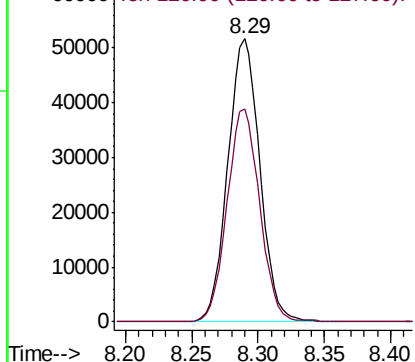
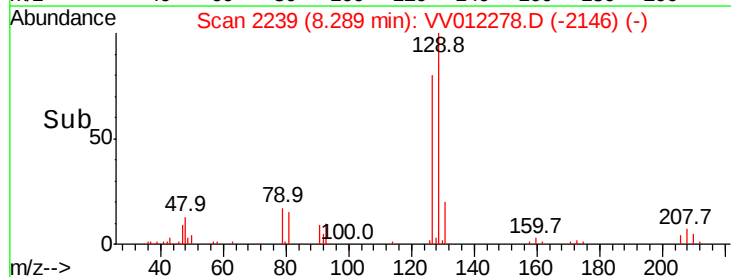


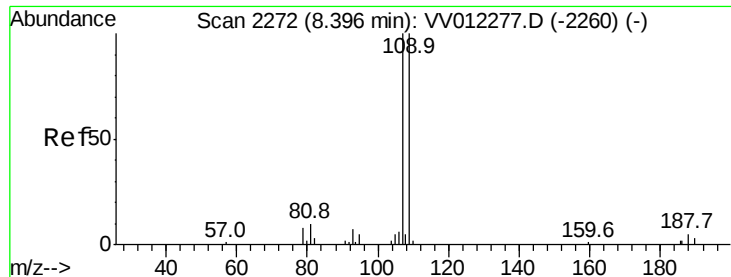
#49
Dibromochloromethane
Concen: 12.253 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Tgt Ion: 129 Resp: 87040
Ion Ratio Lower Upper
129 100
127 75.2 53.9 100.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

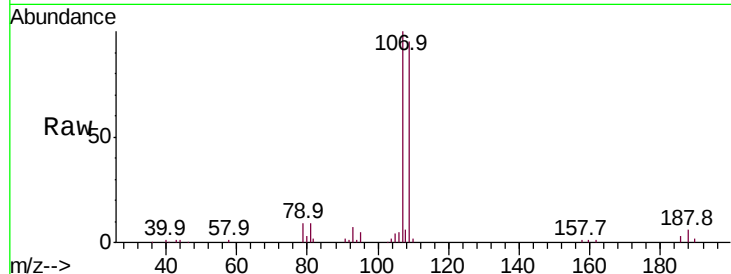




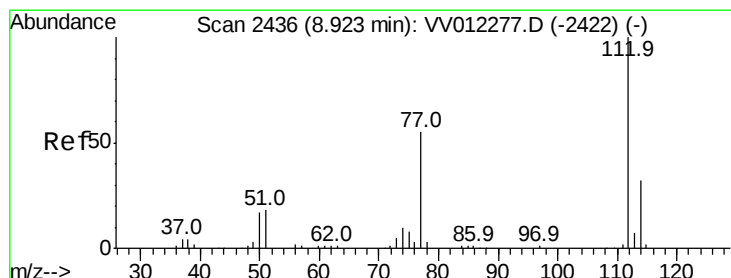
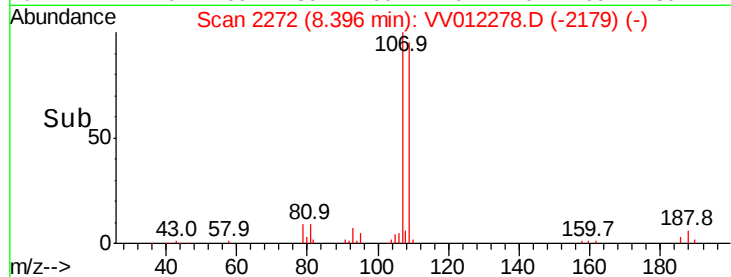
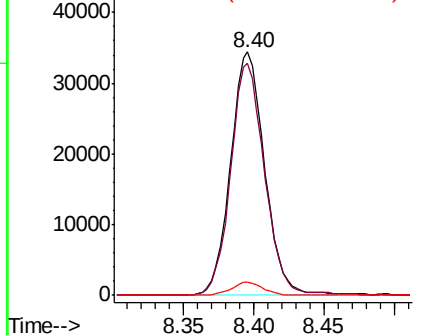
#50
 1,2-Dibromoethane
 Concen: 10.790 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 58237
 Ion Ratio Lower Upper
 107 100
 109 95.4 70.0 130.0
 188 5.5 3.7 5.5#

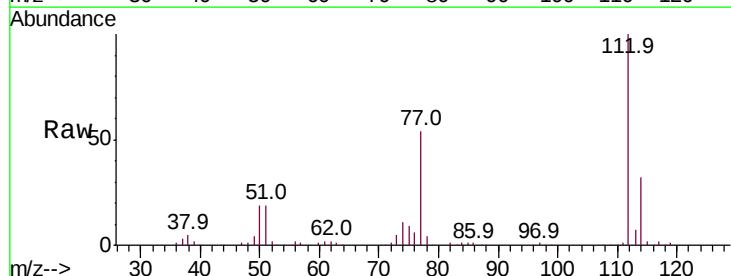


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

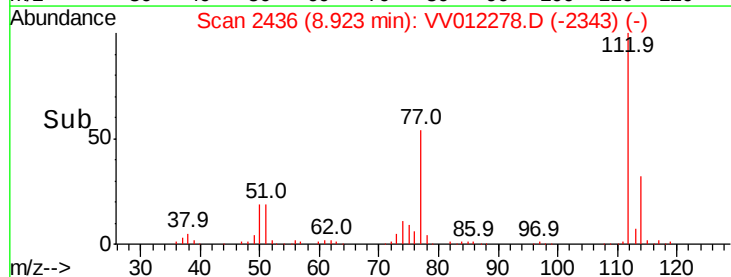
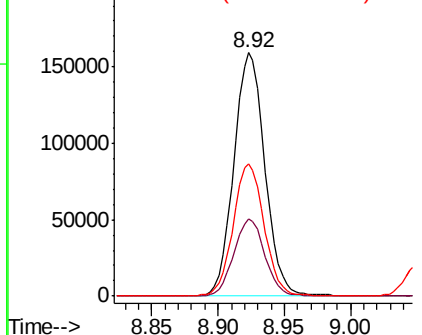


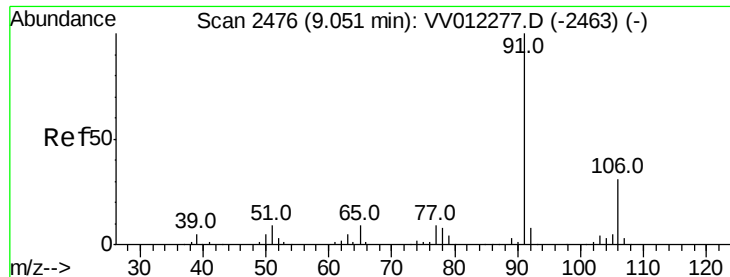
#51
 Chlorobenzene
 Concen: 11.084 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion:112 Resp: 258556
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.3 41.5
 77 54.4 43.9 65.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 11.532 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

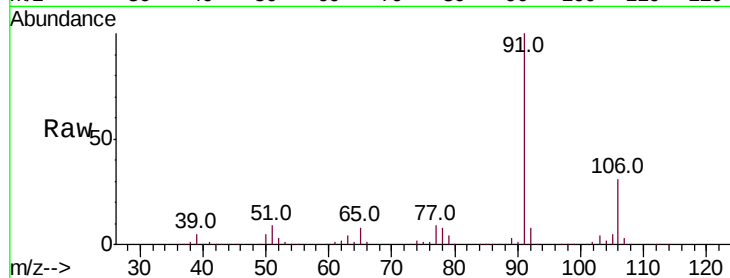
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 443113

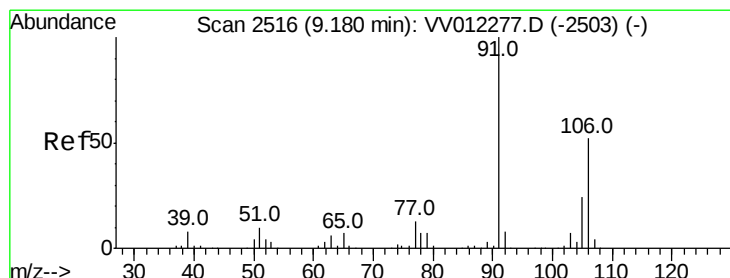
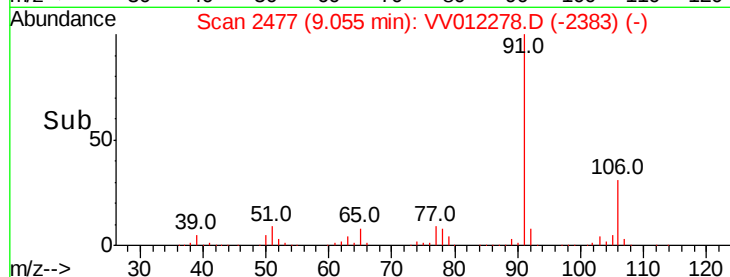
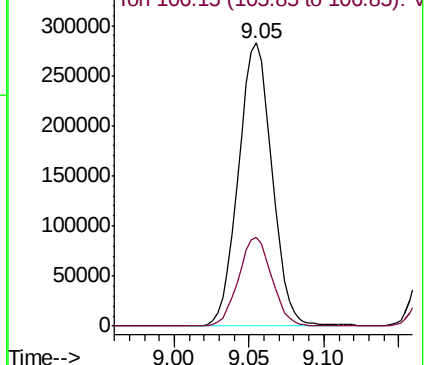
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012277.D (-2463) (-)



#53

m,p-xylene

Concen: 11.676 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012278.D

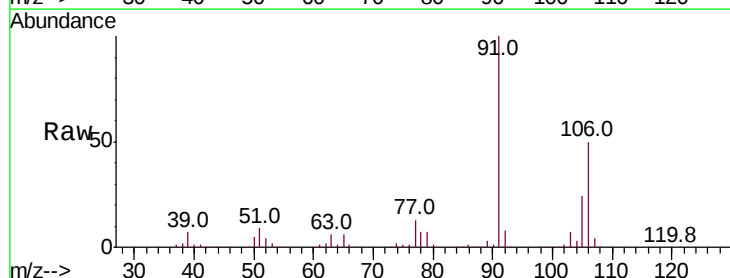
Acq: 19 Aug 2019 14:26

Tgt Ion: 106 Resp: 173701

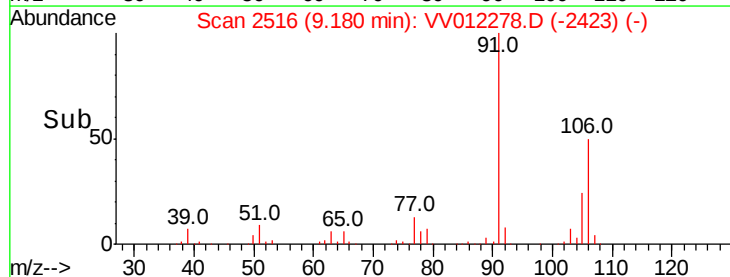
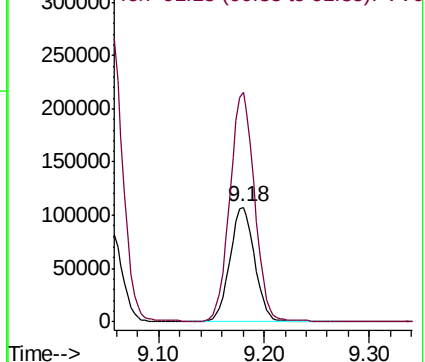
Ion Ratio Lower Upper

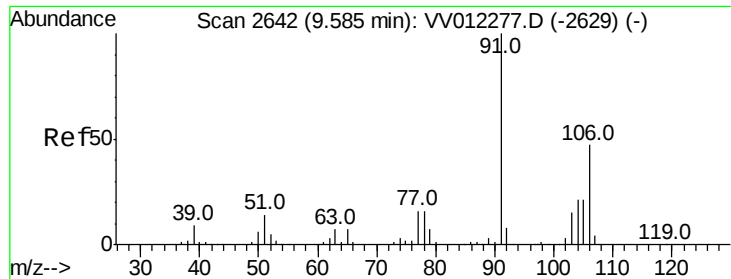
106 100

91 199.8 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VV012277.D (-2503) (-)

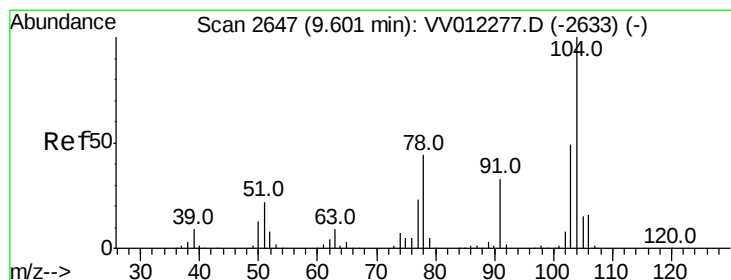
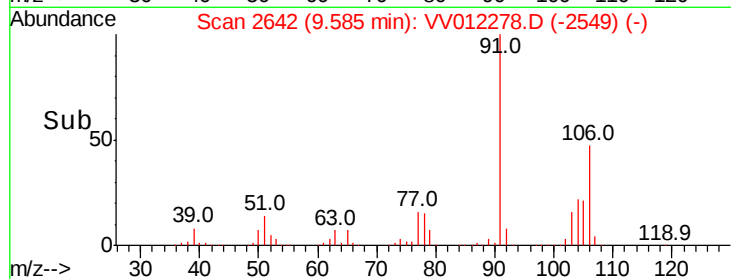
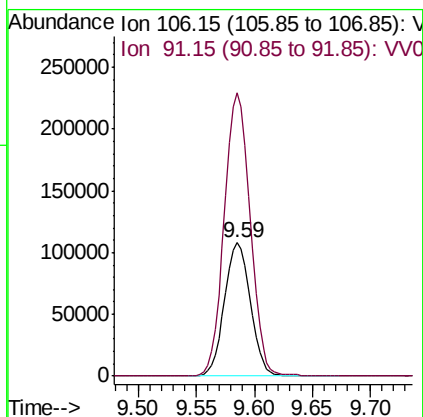
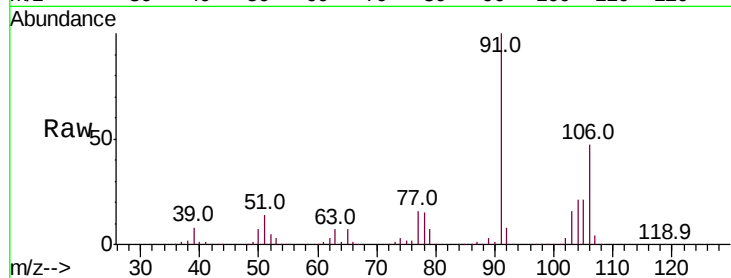




#54
o-xylene
Concen: 11.926 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

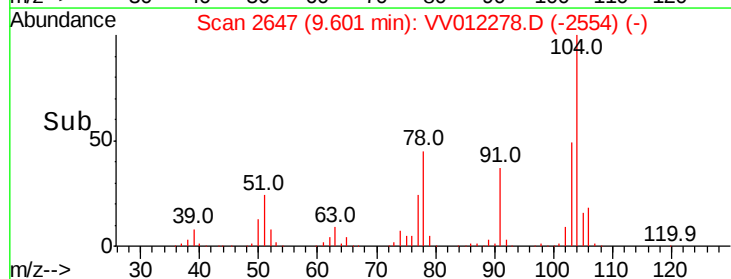
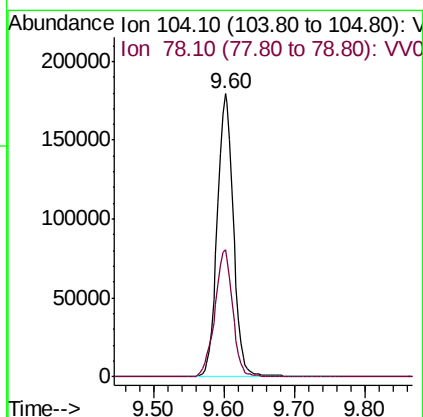
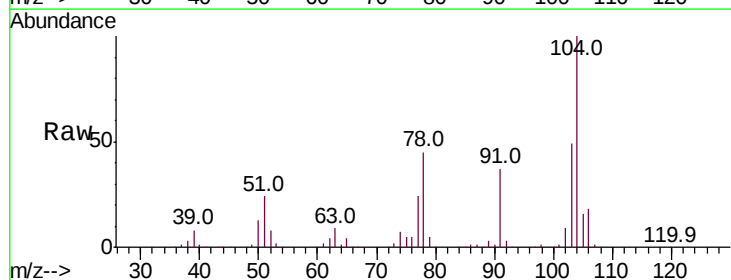
Instrument :
MSVOA_V
ClientSampled :

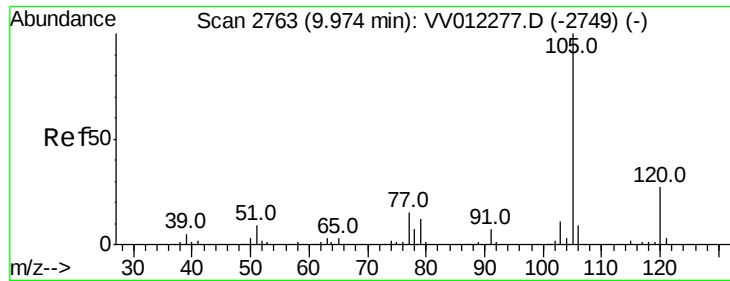
Tot Ion:106 Resp: 167681
Ion Ratio Lower Upper
106 100
91 212.1 148.7 276.1



#55
Styrene
Concen: 12.216 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012278.D
Acq: 19 Aug 2019 14:26

Tgt Ion:104 Resp: 286519
Ion Ratio Lower Upper
104 100
78 44.9 30.8 57.2





#56

Isopropylbenzene

Concen: 12.176 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :
MSVOA_V
ClientSampleId :

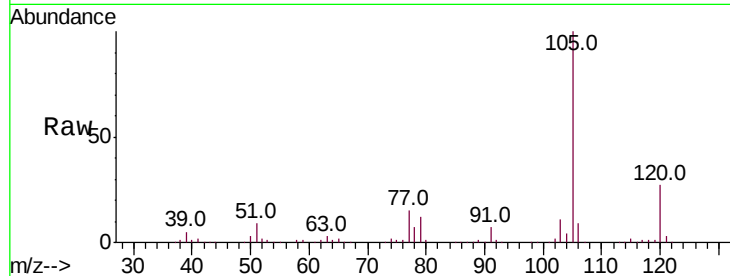
Tot Ion:105 Resp: 460365

Ion Ratio Lower Upper

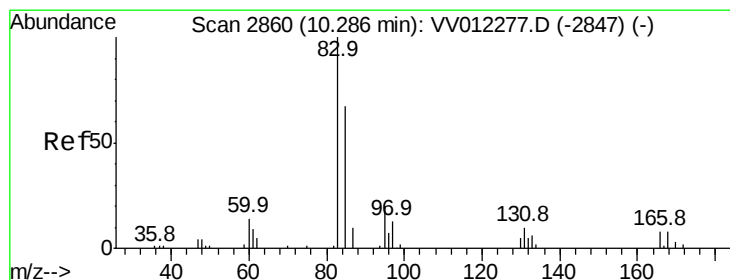
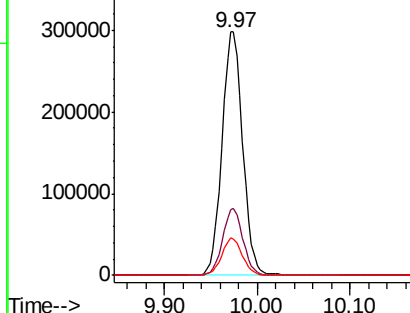
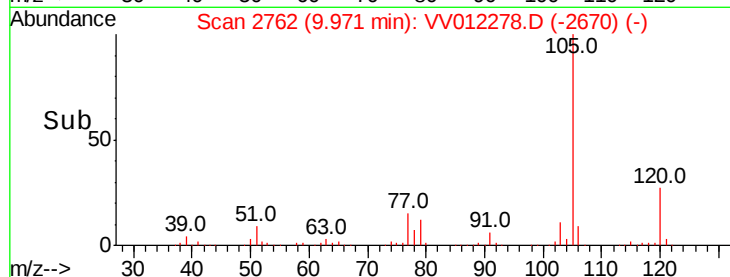
105 100

120 27.0 21.4 32.0

77 15.3 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.408 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

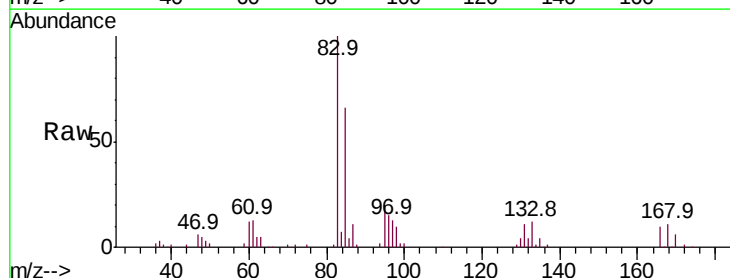
Tgt Ion: 83 Resp: 66200

Ion Ratio Lower Upper

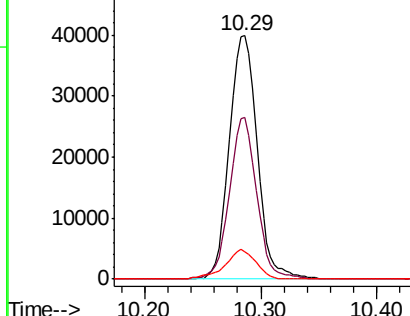
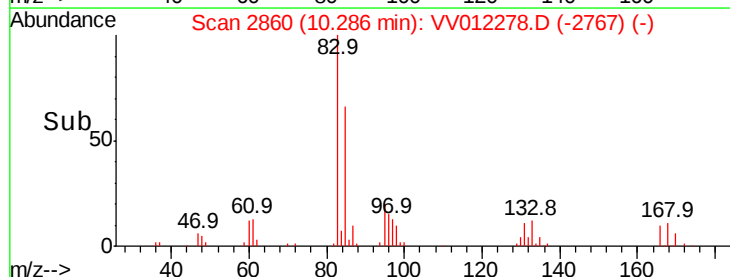
83 100

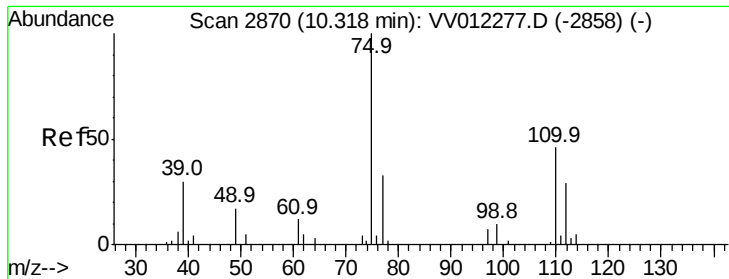
85 66.2 47.0 87.2

131 11.4 9.0 13.4



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V

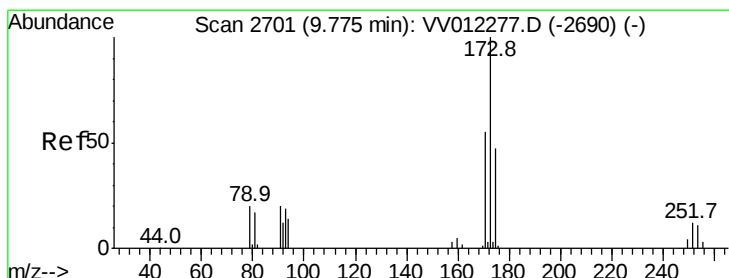
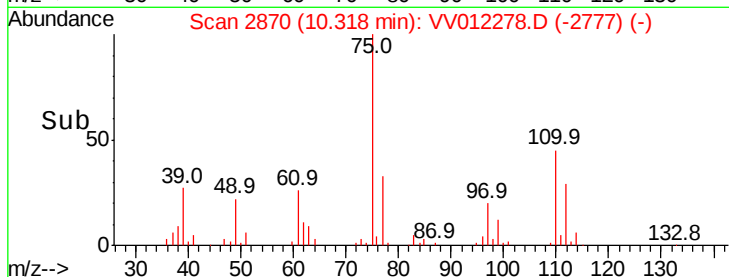
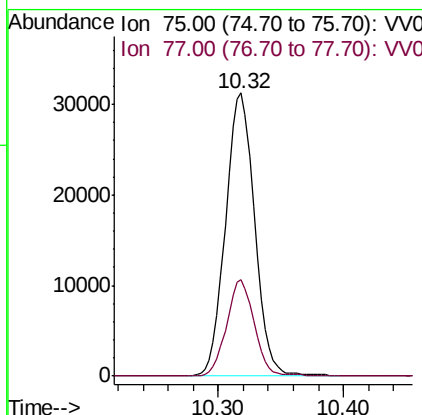
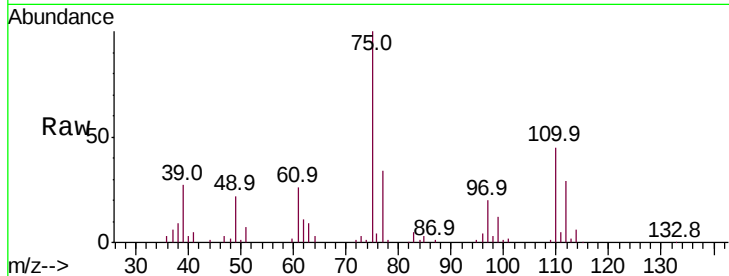




#59
 1,2,3-Trichloropropane
 Concen: 10.644 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

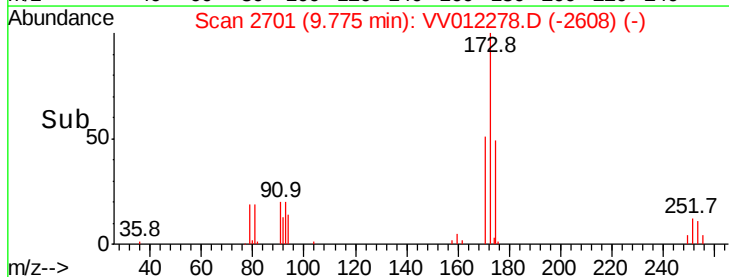
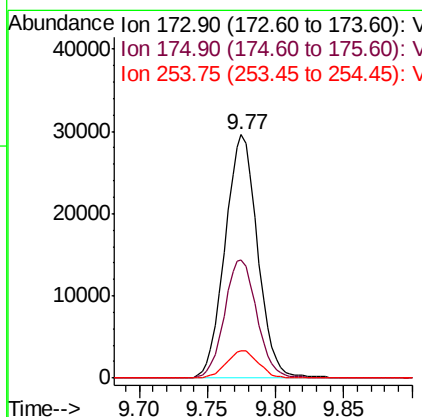
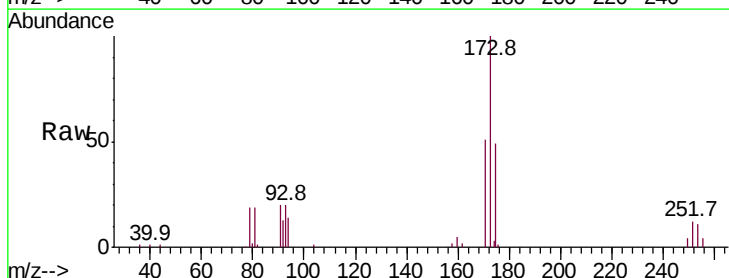
Instrument :
 MSVOA_V
 ClientSampleId :

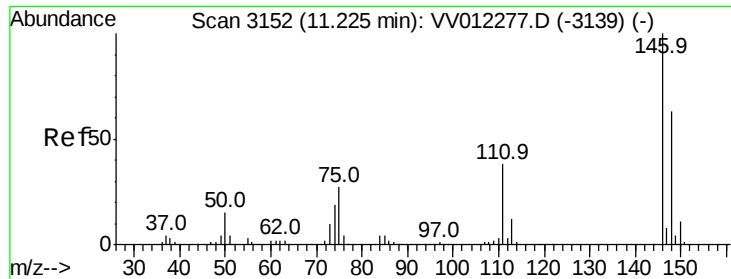
Tot Ion: 75 Resp: 50336
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#61
 Bromoform
 Concen: 12.188 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion: 173 Resp: 49029
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.9 58.3
 254 11.0 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 11.108 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

ClientSampleId :

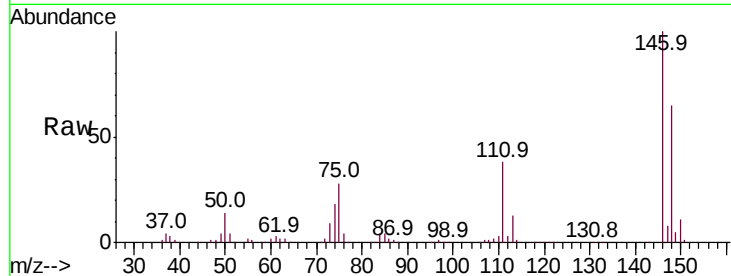
Tot Ion:146 Resp: 227883

Ion Ratio Lower Upper

146 100

111 37.5 26.8 49.8

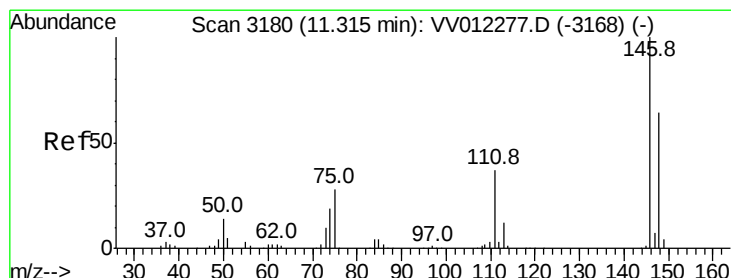
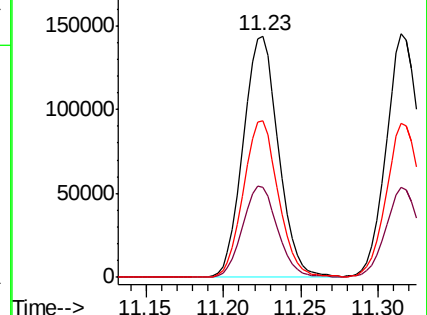
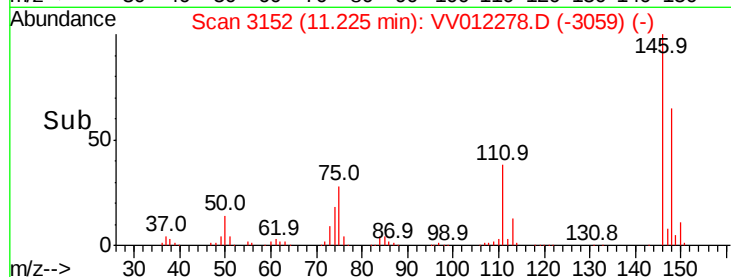
148 64.9 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.940 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

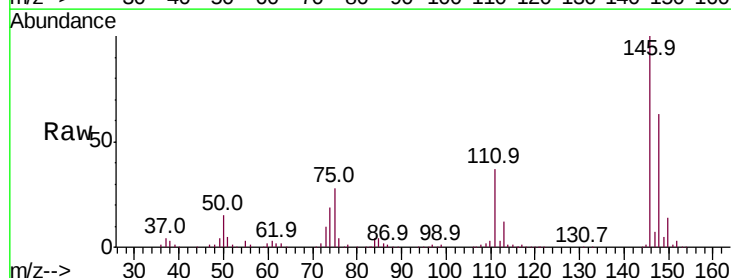
Tgt Ion:146 Resp: 224438

Ion Ratio Lower Upper

146 100

111 36.7 26.2 48.6

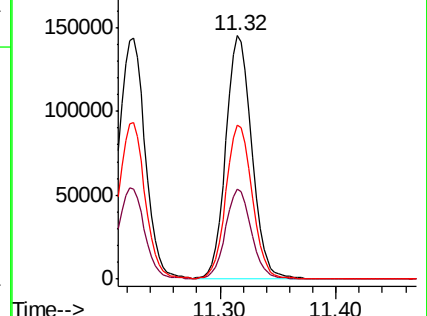
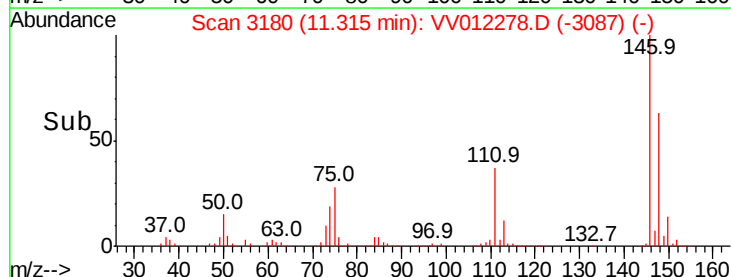
148 63.1 45.3 84.1

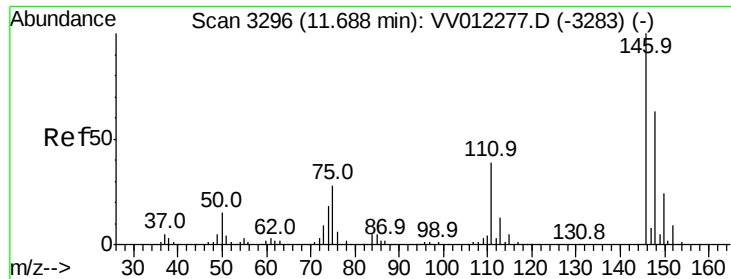


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 11.097 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

ClientSampleId :

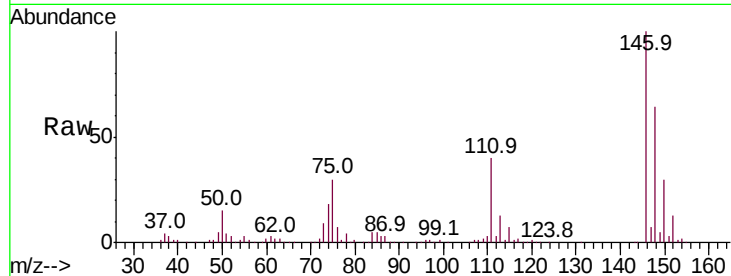
Tot Ion:146 Resp: 209118

Ion Ratio Lower Upper

146 100

111 39.7 31.4 47.0

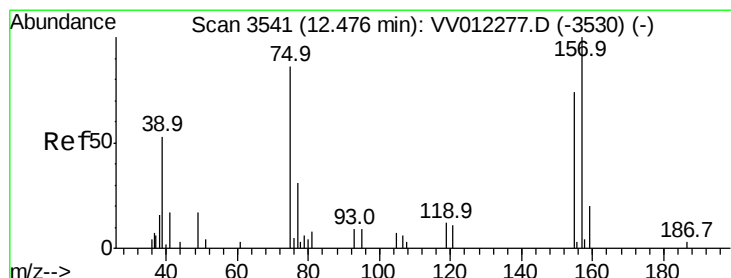
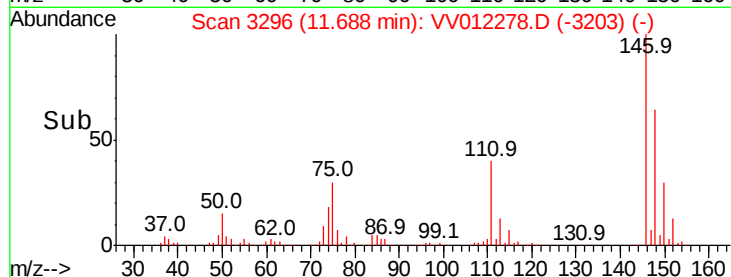
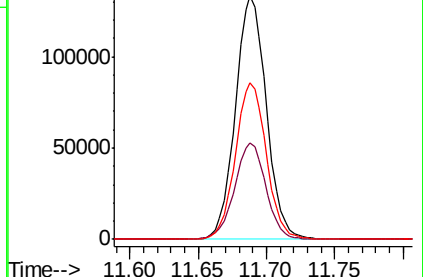
148 64.3 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 10.173 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

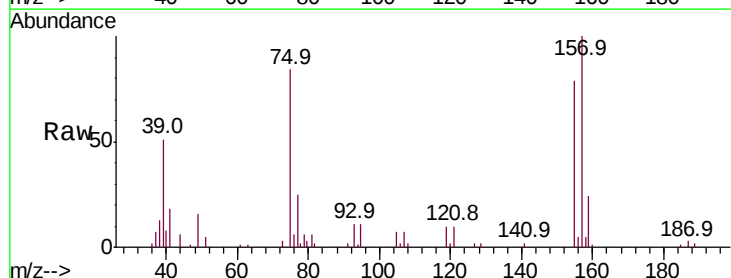
Tgt Ion: 75 Resp: 12122

Ion Ratio Lower Upper

75 100

155 94.6 68.4 102.6

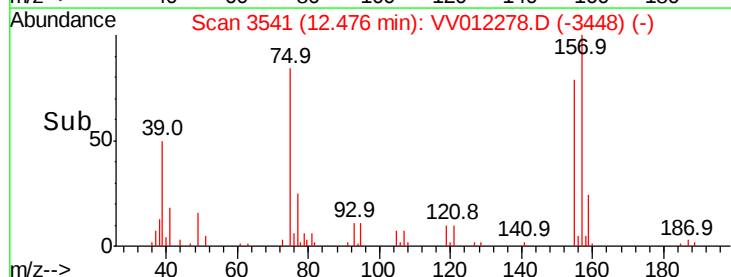
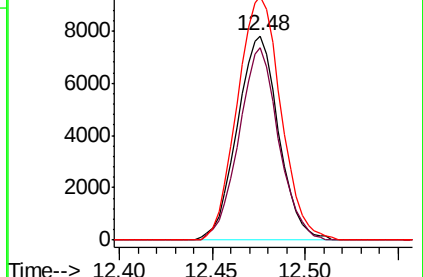
157 119.3 92.6 139.0

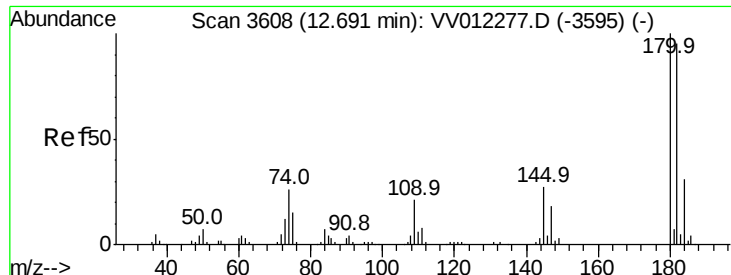


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

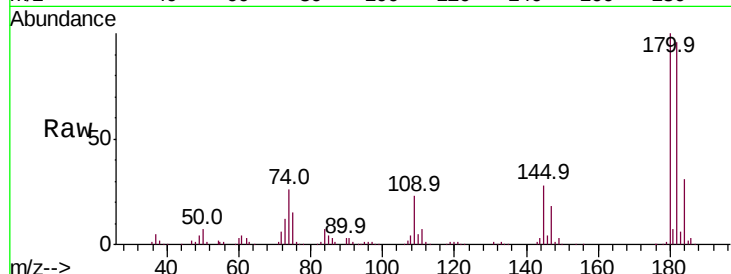




#67
 1,3,5-Trichlorobenzene
 Concen: 11.984 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189619		
182	95.3		75.9	113.9
184	30.2		24.6	36.8
145	28.0		22.6	33.8



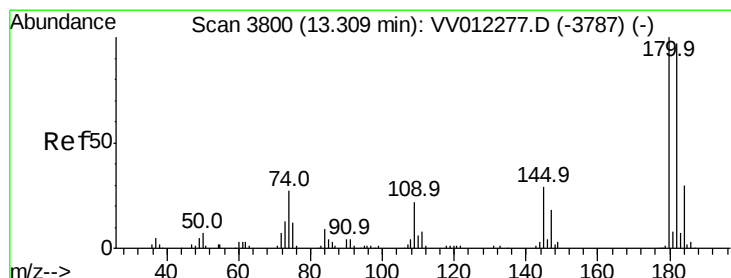
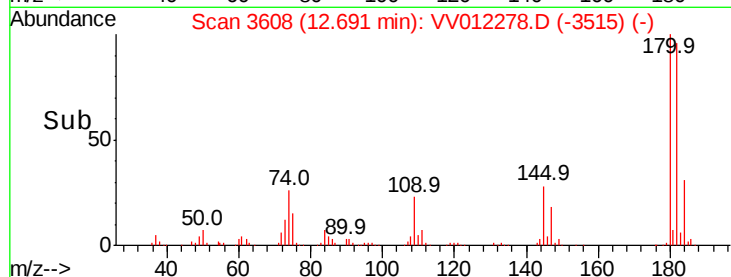
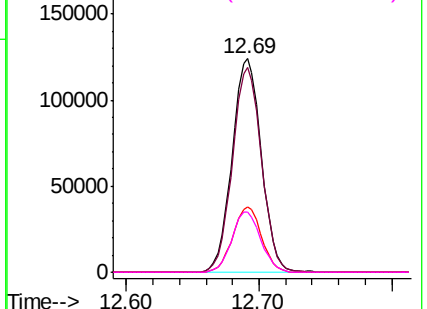
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

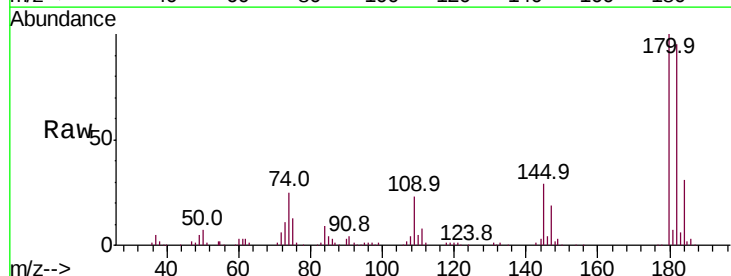
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 12.817 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012278.D
 Acq: 19 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150963		
182	95.7		77.2	115.8
145	29.2		22.6	33.8

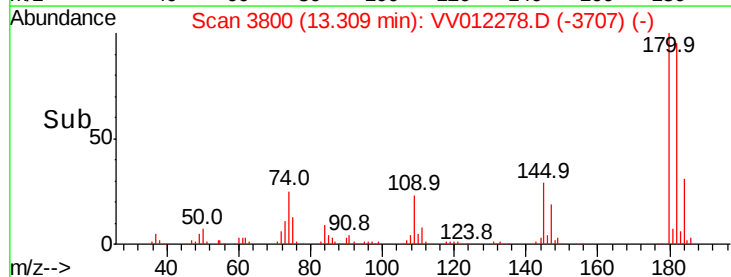
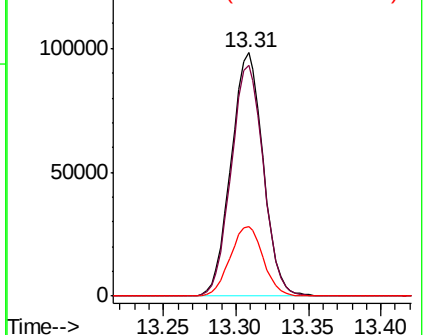


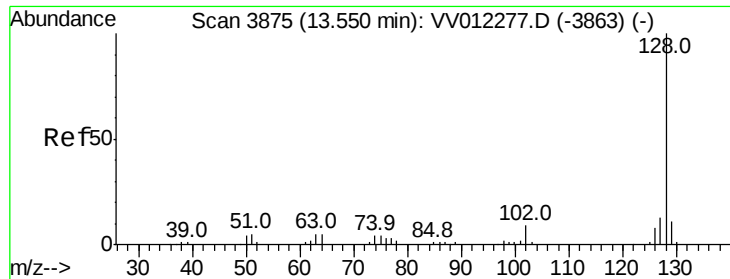
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 13.228 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

Instrument :

MSVOA_V

ClientSampleId :

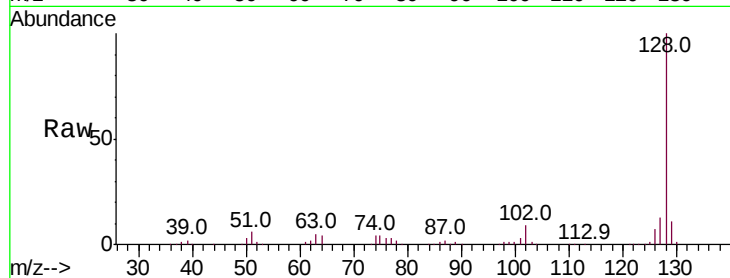
Tot Ion:128 Resp: 219965

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

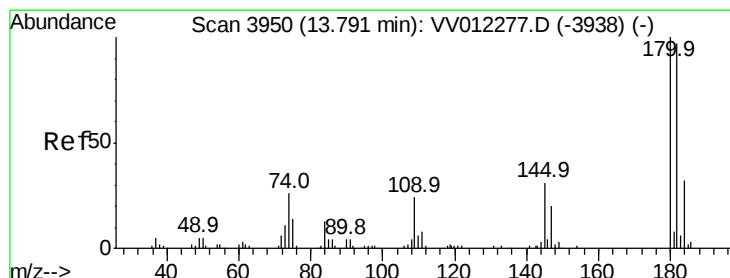
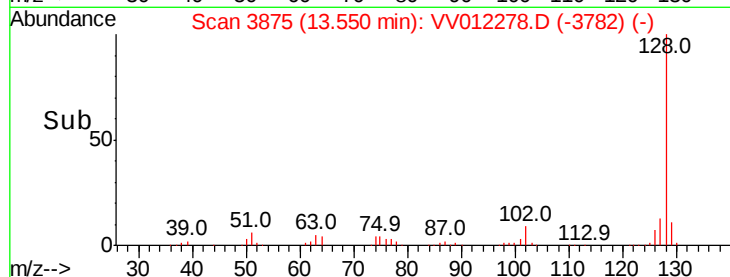
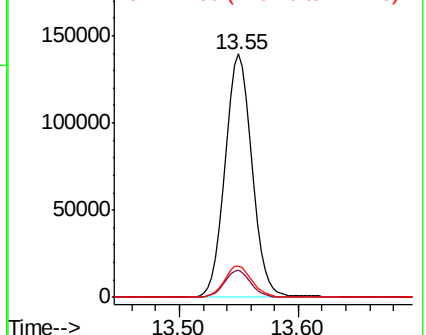
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 12.676 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012278.D

Acq: 19 Aug 2019 14:26

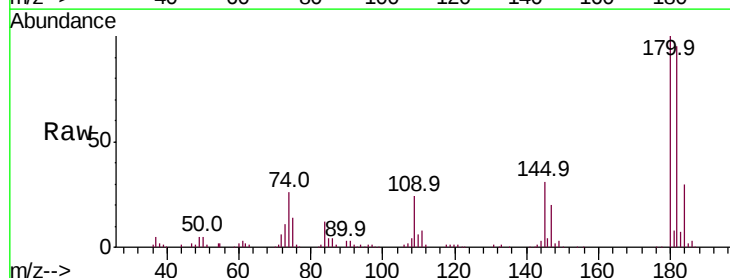
Tgt Ion:180 Resp: 139638

Ion Ratio Lower Upper

180 100

182 96.6 75.9 113.9

145 31.1 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

