

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012279.D
 Acq On : 19 Aug 2019 15:37
 Operator : SY/MD
 Sample : VSTD02036
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 18:27:56 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	145112	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	77816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137621	15.39	ug/L	0.00
7) Chloroethane-d5	1.58	69	98511	14.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	264445	17.64	ug/L	0.00
20) 2-Butanone-d5	3.93	46	416935	215.57	ug/L	-0.04
24) Chloroform-d	4.40	84	392717	21.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	197939	22.52	ug/L	0.00
32) Benzene-d6	5.09	84	732652	21.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	204682	20.54	ug/L	0.00
41) Toluene-d8	7.36	98	696475	21.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	94418	23.79	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	336889	270.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	160272	22.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	301433	22.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	356379	24.027	ug/L	97
3) Chloromethane	1.25	50	186856	15.477	ug/L	99
5) Vinyl chloride	1.32	62	195075	15.713	ug/L	98
6) Bromomethane	1.53	94	97550	14.258	ug/L	97
8) Chloroethane	1.60	64	93817	13.648	ug/L	99
9) Trichlorofluoromethane	1.77	101	351605	21.039	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	154168	18.602	ug/L	99
12) 1,1-Dichloroethene	2.14	96	137507	17.879	ug/L	98
13) Acetone	2.20	43	198864	167.589	ug/L #	63
14) Carbon disulfide	2.32	76	372371	17.015	ug/L	97
15) Methyl Acetate	2.46	43	39836	13.934	ug/L	96
16) Methylene chloride	2.53	84	130446	16.223	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	460479	21.712	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	206533	20.330	ug/L	98
19) 1,1-Dichloroethane	3.22	63	364646	19.845	ug/L	100
21) 2-Butanone	4.02	43	434597	187.240	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	234236	21.117	ug/L	97
23) Bromochloromethane	4.29	128	103294	21.597	ug/L	97
25) Chloroform	4.42	83	410869	19.355	ug/L	99
27) 1,2-Dichloroethane	5.18	62	253651	21.534	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	398991	23.965	ug/L	99
30) Cyclohexane	4.72	56	322774	20.715	ug/L	98
31) Carbon tetrachloride	4.87	117	372557	24.561	ug/L	99
33) Benzene	5.14	78	836532	21.221	ug/L	100
34) Trichloroethene	5.96	95	237829	21.808	ug/L	99
35) Methylcyclohexane	6.17	83	383366	22.943	ug/L	99
37) 1,2-Dichloropropane	6.22	63	194311	20.019	ug/L	98
38) Bromodichloromethane	6.55	83	295639	22.673	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	332043	24.047	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1051783	198.137	ug/L	98

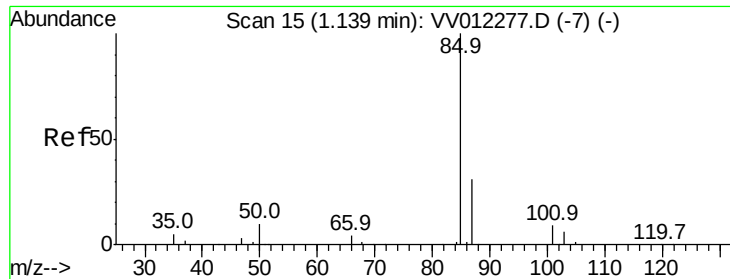
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	937785	22.072	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	263948	24.002	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	146193	21.875	ug/L	98
47) Tetrachloroethene	8.02	164	221919	24.112	ug/L	99
48) 2-Hexanone	8.18	43	750821	201.745	ug/L	100
49) Dibromochloromethane	8.29	129	207212	24.489	ug/L	99
50) 1,2-Dibromoethane	8.39	107	141830	22.061	ug/L	93
51) Chlorobenzene	8.92	112	629926	22.669	ug/L	99
52) Ethylbenzene	9.05	91	1096640	23.958	ug/L	98
53) m,p-xylene	9.18	106	431219	24.334	ug/L	96
54) o-xylene	9.59	106	413605	24.695	ug/L	99
55) Styrene	9.60	104	694063	24.842	ug/L	100
56) Isopropylbenzene	9.97	105	1148721	25.506	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	160401	21.171	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	120606	21.409	ug/L	100
61) Bromoform	9.77	173	120840	23.915	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	574436	22.292	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	565154	21.931	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	511619	21.613	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	30610	20.450	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	490771	24.692	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	401392	27.131	ug/L	99
69) Naphthalene	13.55	128	592597	28.371	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	353143	25.520	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 24.027 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

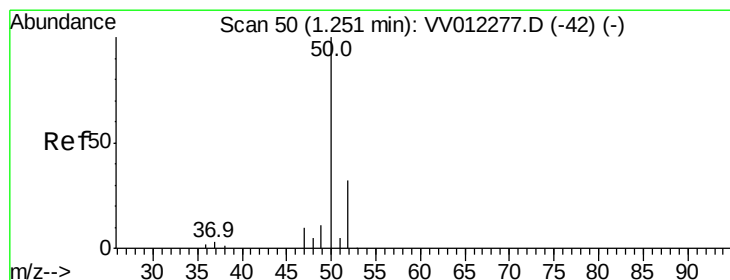
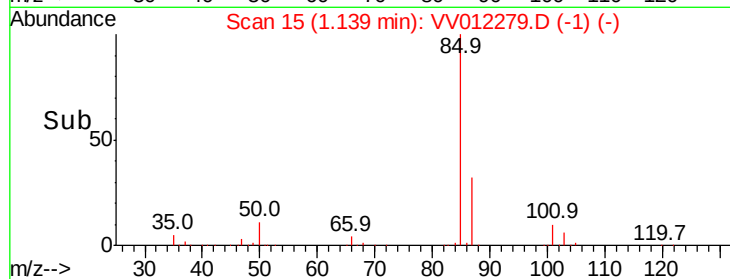
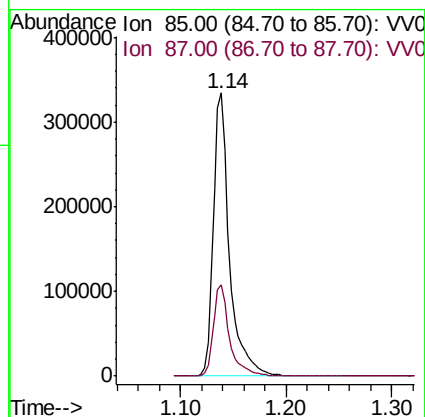
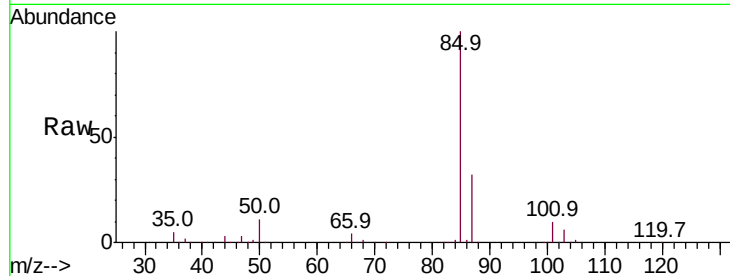
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 356379

Ion Ratio Lower Upper

85 100

87 32.3 24.6 37.0



#3

Chloromethane

Concen: 15.477 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012279.D

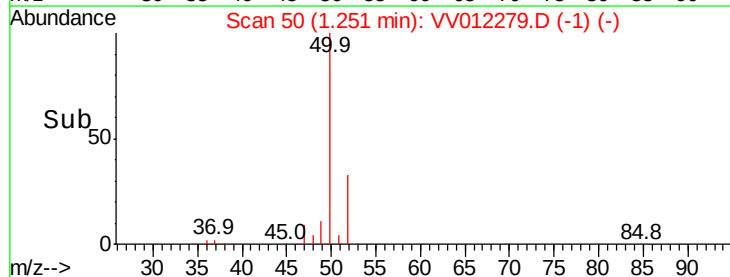
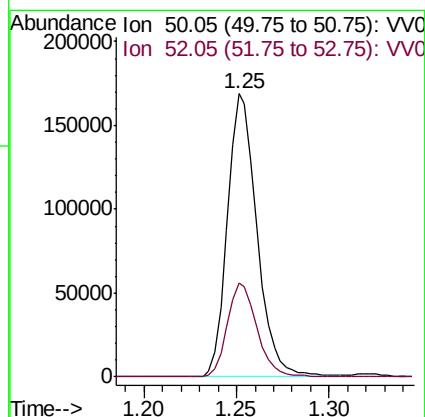
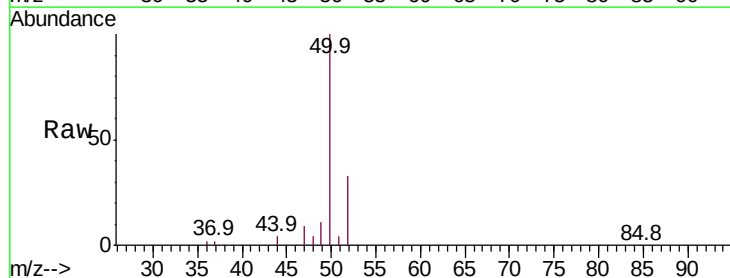
Acq: 19 Aug 2019 15:37

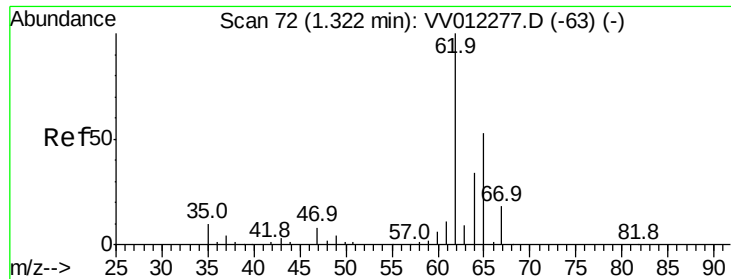
Tgt Ion: 50 Resp: 186856

Ion Ratio Lower Upper

50 100

52 33.0 22.6 42.0





#5

Vinyl chloride

Concen: 15.713 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

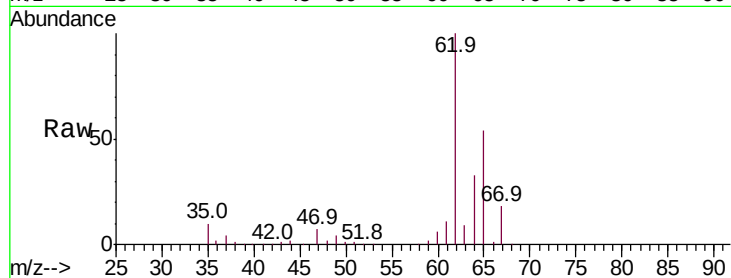
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 195075

Ion Ratio Lower Upper

62 100

64 32.7 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

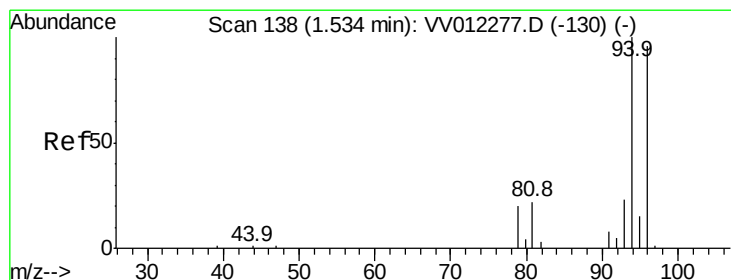
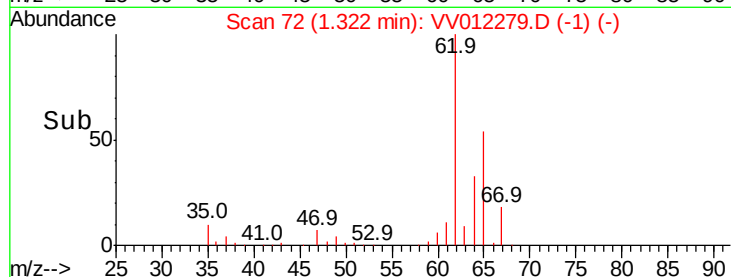
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 14.258 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012279.D

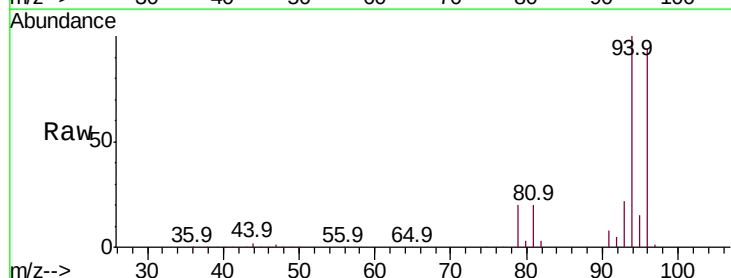
Acq: 19 Aug 2019 15:37

Tgt Ion: 94 Resp: 97550

Ion Ratio Lower Upper

94 100

96 93.5 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

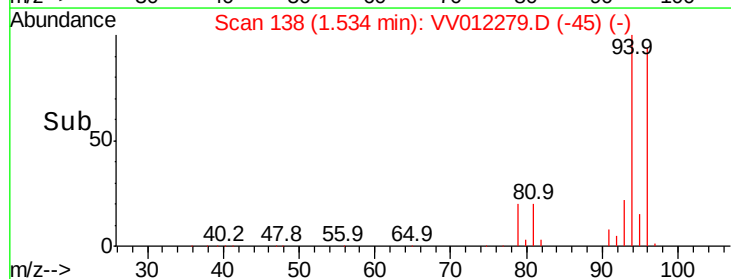
60000

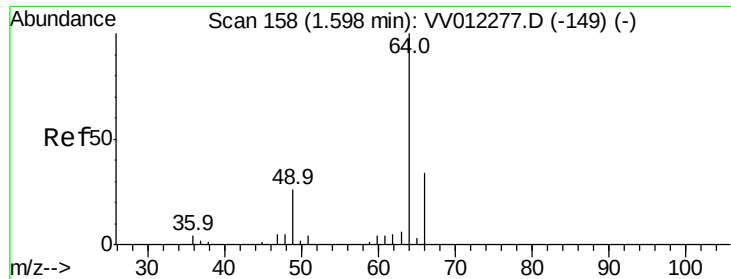
40000

20000

0

Time-->





#8

Chloroethane

Concen: 13.648 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

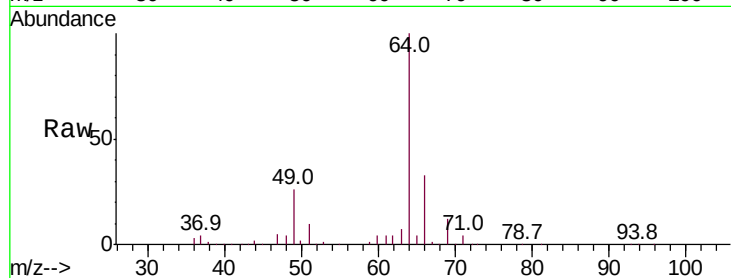
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 93817

Ion Ratio Lower Upper

64 100

66 33.3 23.7 44.1



Abundance Ion 64.10 (63.80 to 64.80): VV012277.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012279.D (-65) (-)

1.60

80000

60000

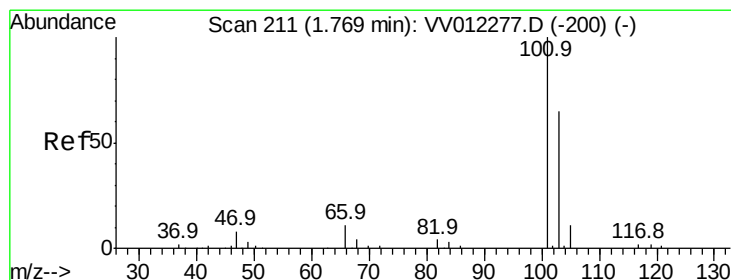
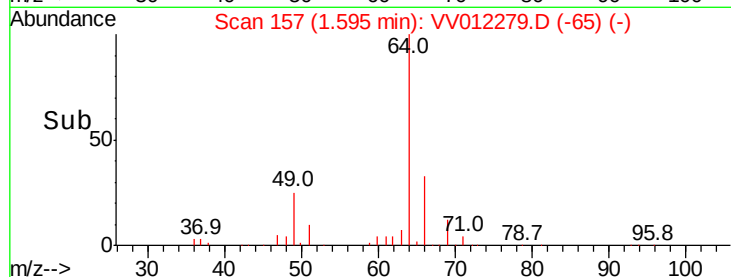
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 21.039 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012279.D

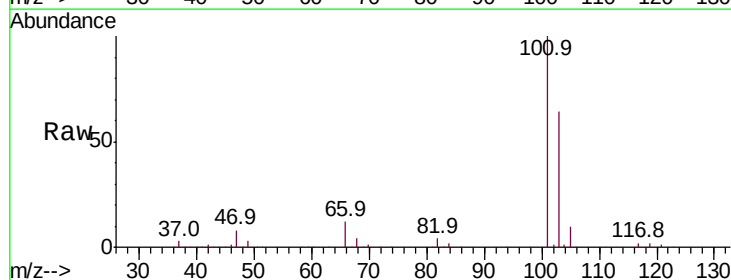
Acq: 19 Aug 2019 15:37

Tgt Ion: 101 Resp: 351605

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV012277.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012279.D (-118) (-)

1.77

300000

250000

200000

150000

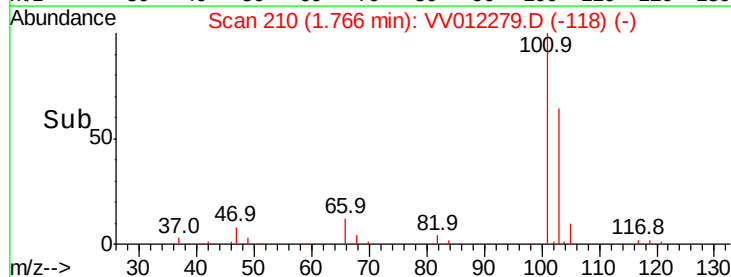
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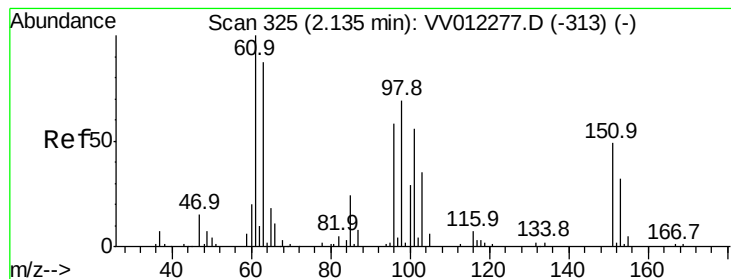
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 18.602 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

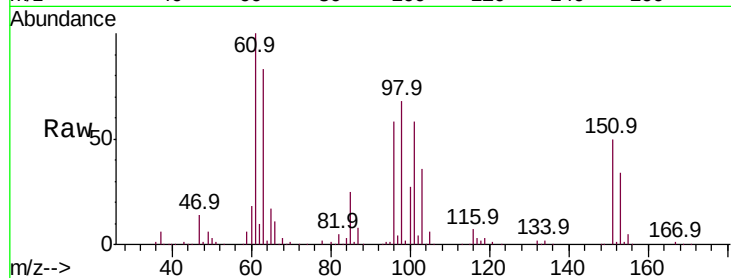
Tot Ion:101 Resp: 154168

Ion Ratio Lower Upper

101 100

85 44.5 34.9 52.3

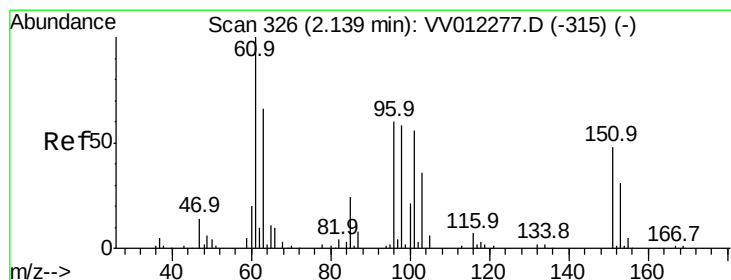
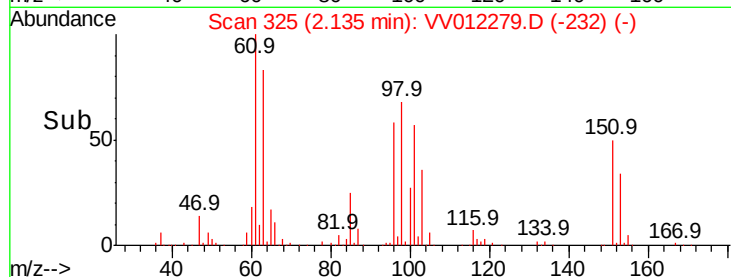
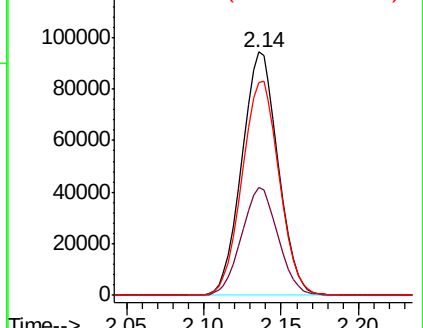
151 90.2 71.5 107.3



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: 17.879 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

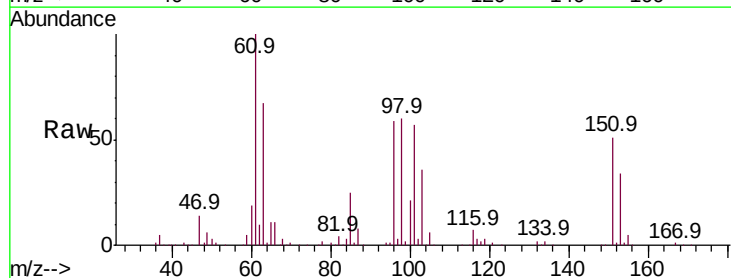
Tgt Ion: 96 Resp: 137507

Ion Ratio Lower Upper

96 100

61 168.9 117.7 218.7

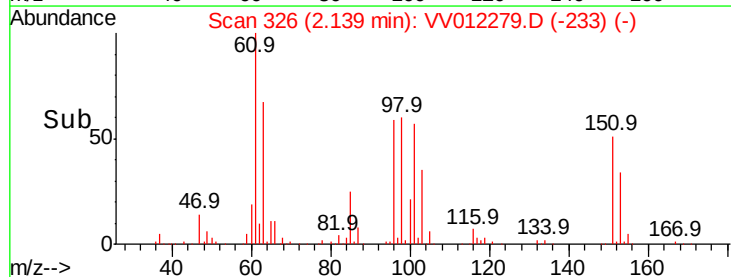
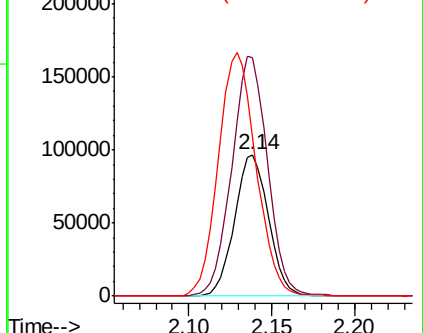
63 112.5 81.1 150.5

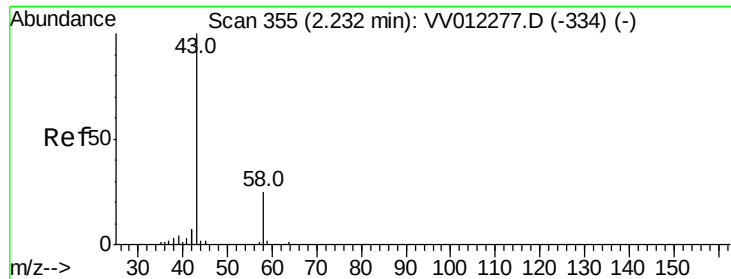


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 167.589 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.04 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

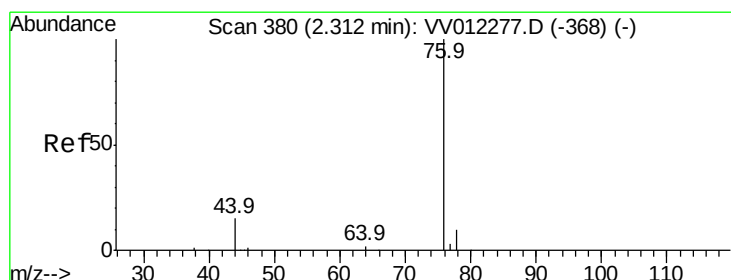
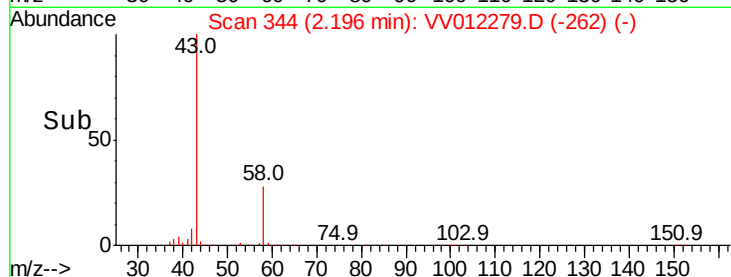
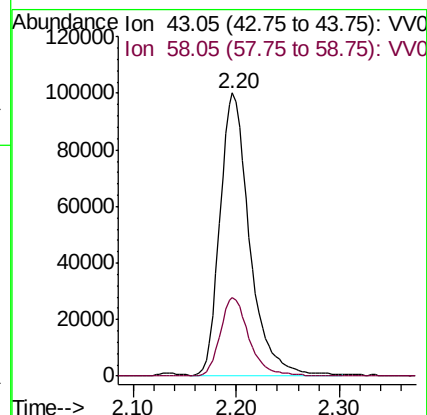
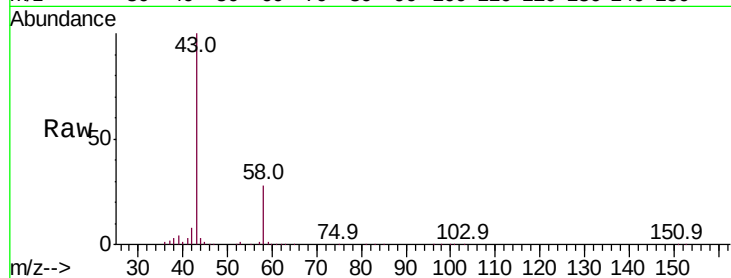
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 198864

Ion Ratio Lower Upper

43 100

58 27.4 0.0 25.6#



#14

Carbon disulfide

Concen: 17.015 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012279.D

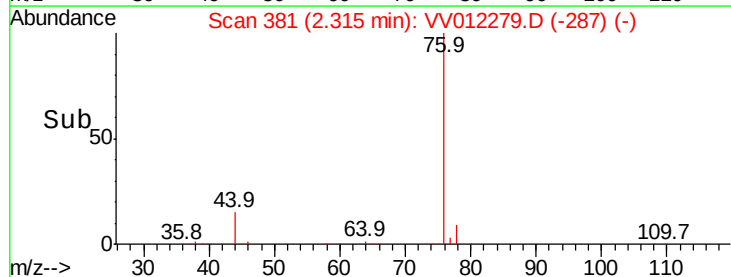
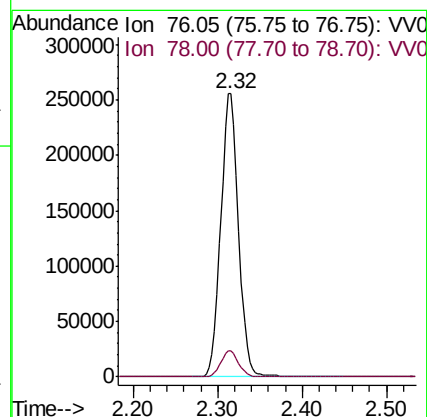
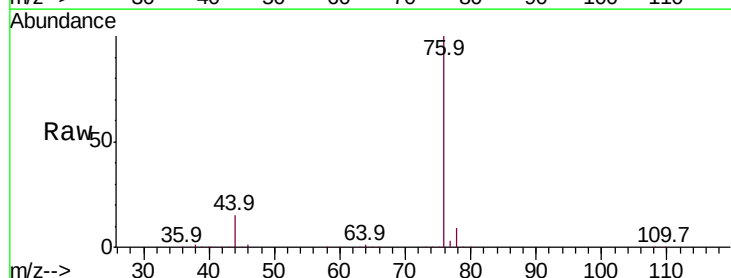
Acq: 19 Aug 2019 15:37

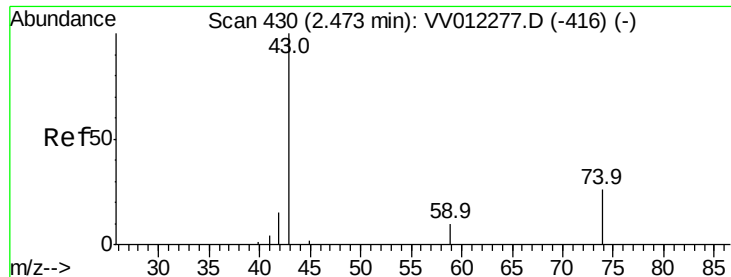
Tgt Ion: 76 Resp: 372371

Ion Ratio Lower Upper

76 100

78 9.3 8.3 12.5

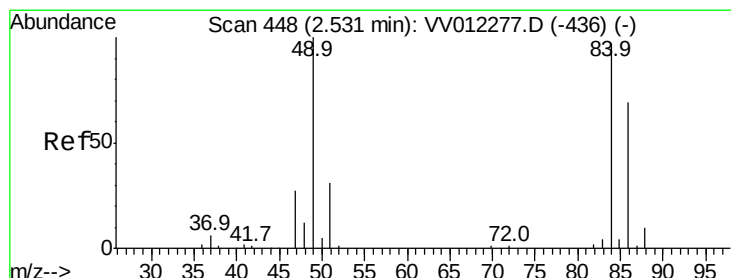
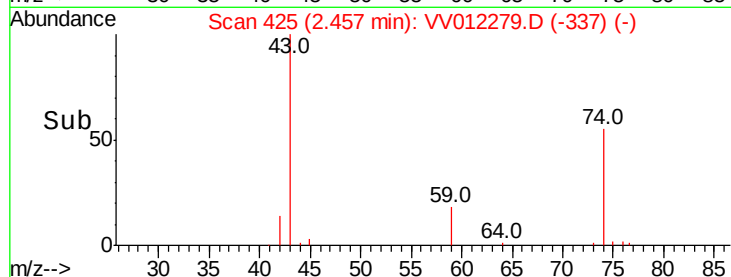
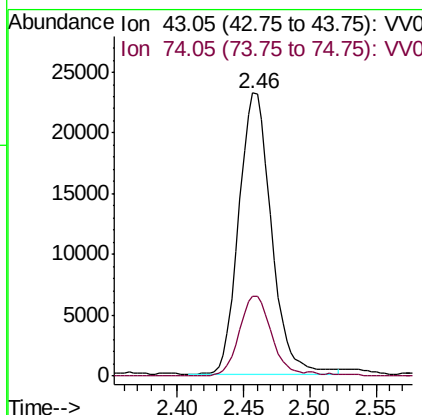
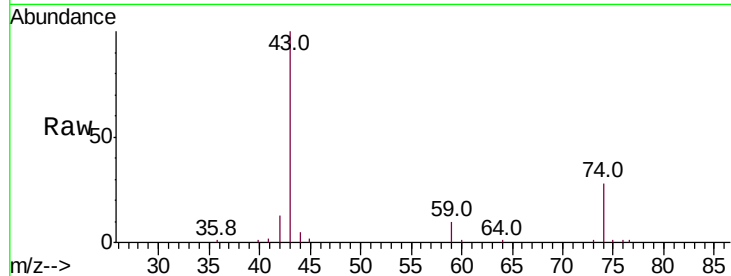




#15
Methvl Acetate
Concen: 13.934 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.02 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

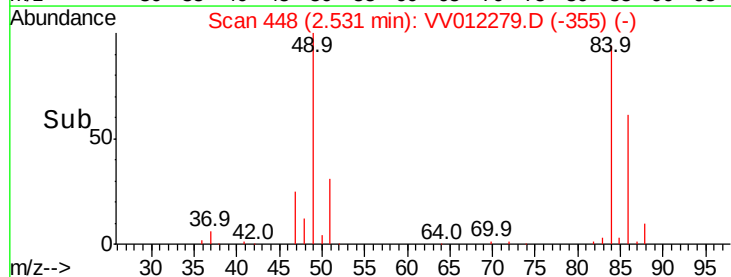
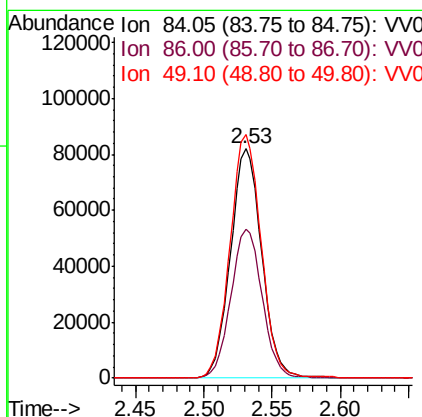
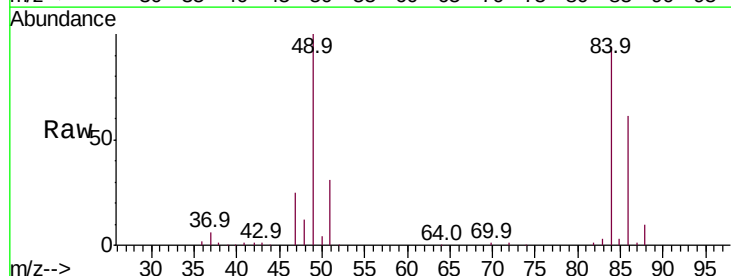
Instrument :
MSVOA_V
ClientSampleId :

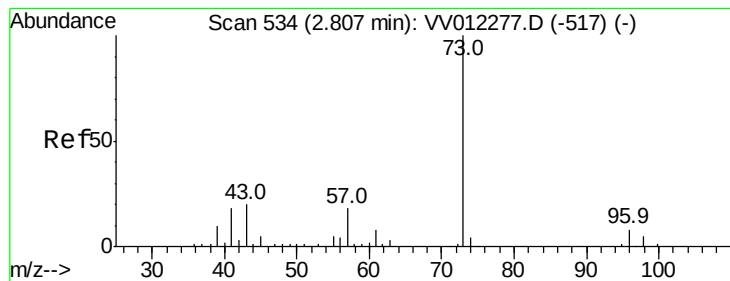
Tot Ion: 43 Resp: 39836
Ion Ratio Lower Upper
43 100
74 29.1 24.9 37.3



#16
Methylene chloride
Concen: 16.223 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Tgt Ion: 84 Resp: 130446
Ion Ratio Lower Upper
84 100
86 65.0 49.5 91.9
49 106.1 72.1 133.9



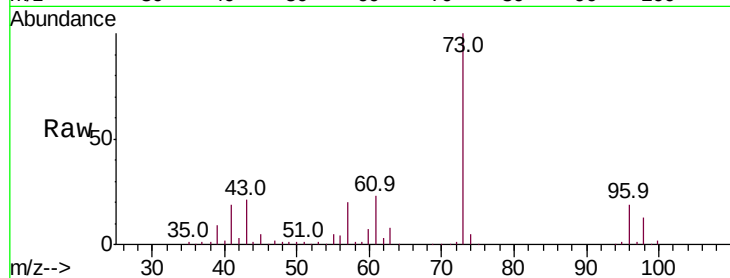


#17

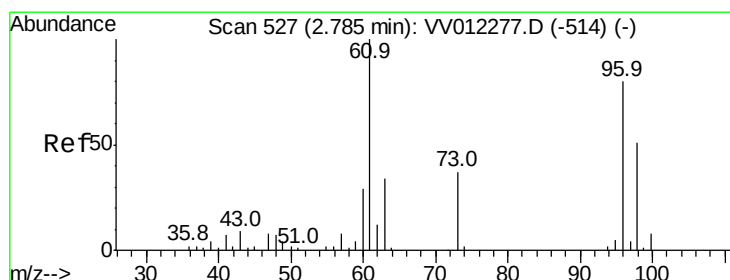
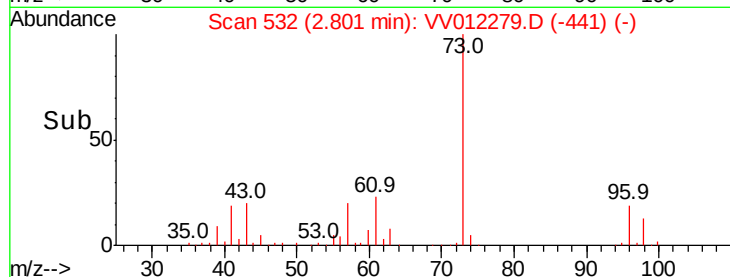
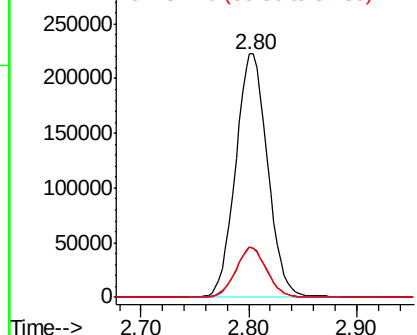
Methyl tert-butyl Ether
 Concen: 21.712 ug/L
 RT: 2.80 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	73	Resp:	460479
Ion	Ratio	Lower	Upper
73	100		
43	19.9	17.0	25.4
57	20.0	15.8	23.6



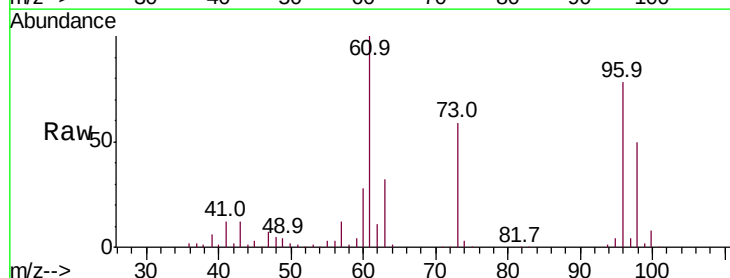
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



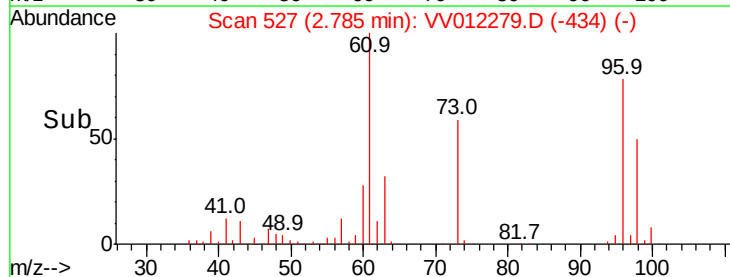
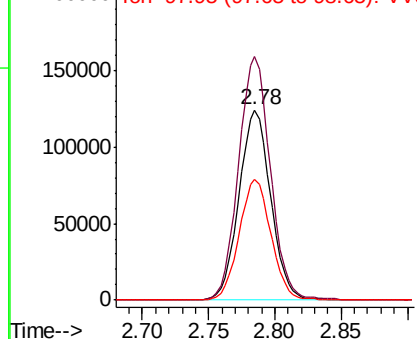
#18

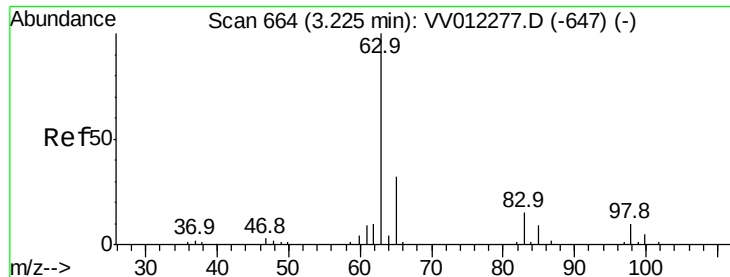
trans-1,2-Dichloroethene
 Concen: 20.330 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion:	96	Resp:	206533
Ion	Ratio	Lower	Upper
96	100		
61	128.3	87.4	162.2
98	63.7	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

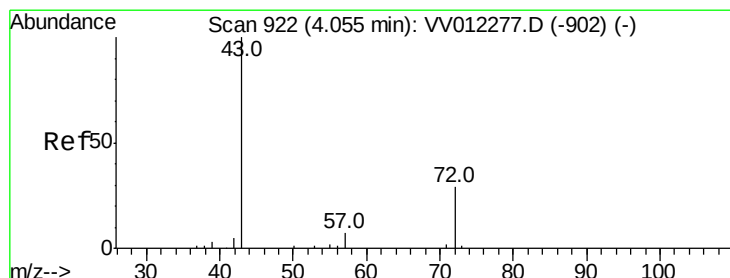
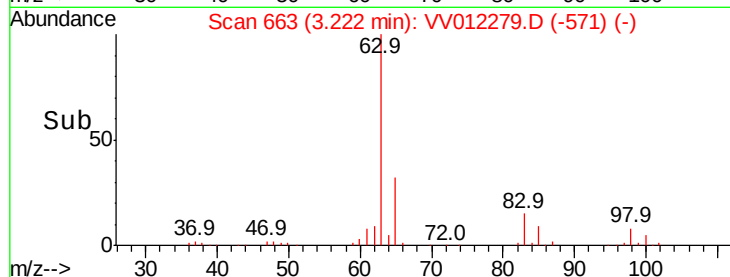
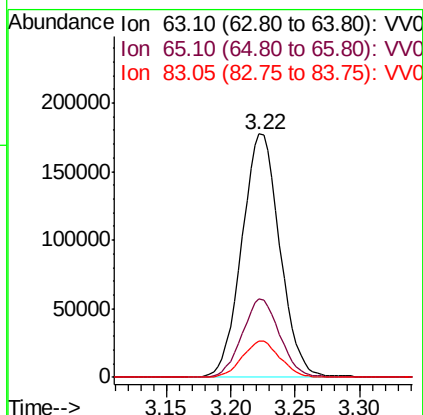
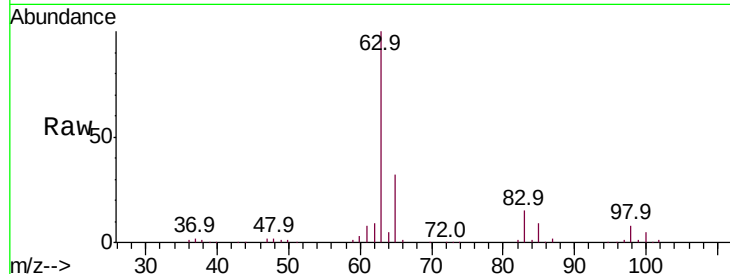




#19
 1,1-Dichloroethane
 Concen: 19.845 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

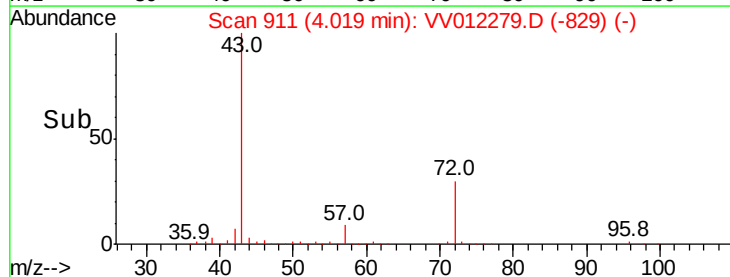
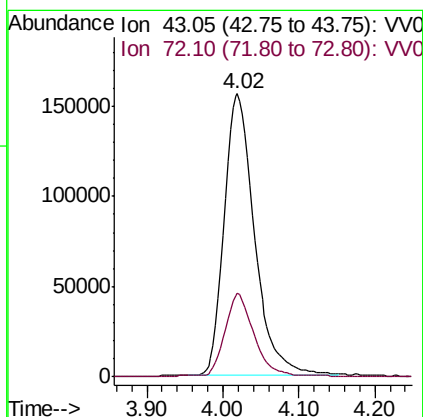
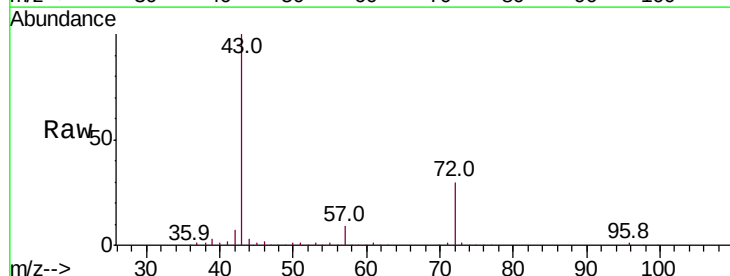
Instrument :
 MSVOA_V
 ClientSampleId :

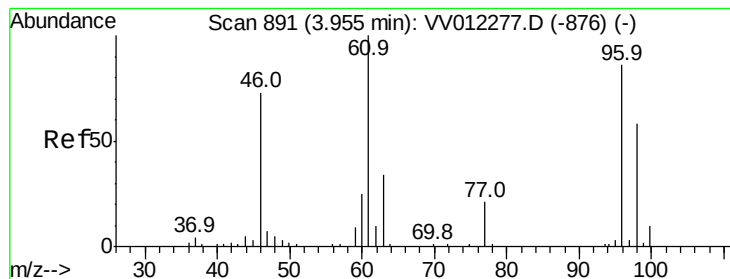
Tot Ion: 63 Resp: 364646
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.7 42.1
 83 14.9 10.5 19.5



#21
 2-Butanone
 Concen: 187.240 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.04 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion: 43 Resp: 434597
 Ion Ratio Lower Upper
 43 100
 72 28.6 14.8 44.4



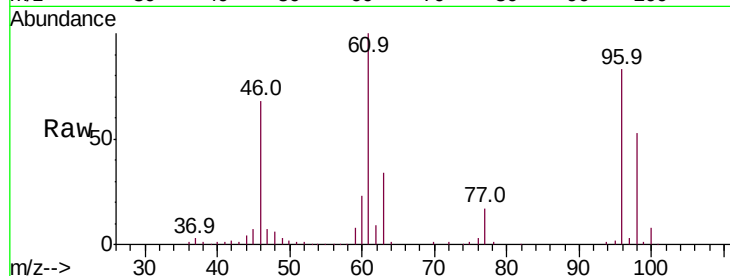


#22

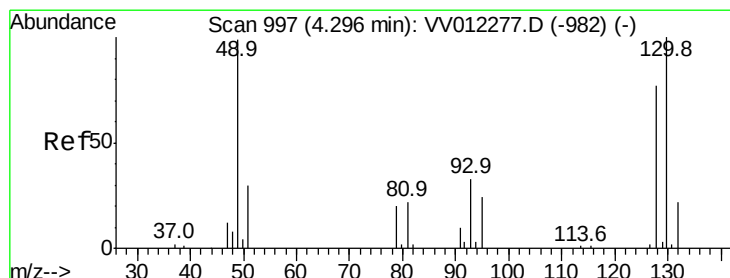
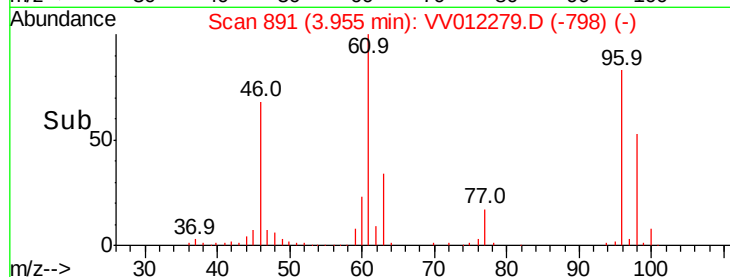
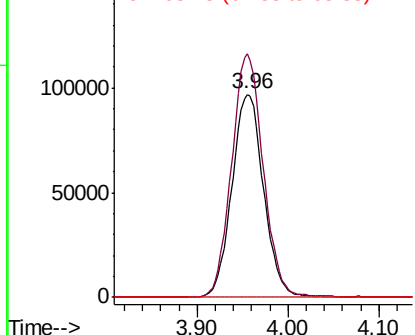
cis-1,2-Dichloroethene
 Concen: 21.117 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 234236
 Ion Ratio Lower Upper
 96 100
 61 120.1 81.6 151.6
 68 0.0 0.0 0.0



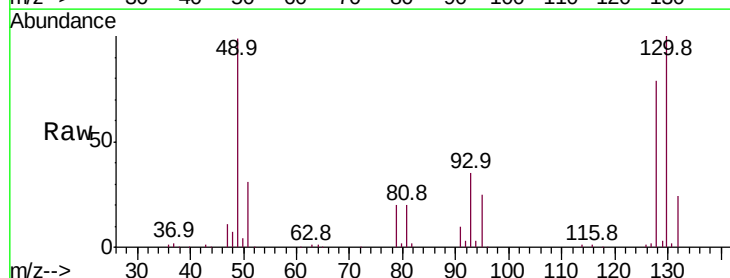
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



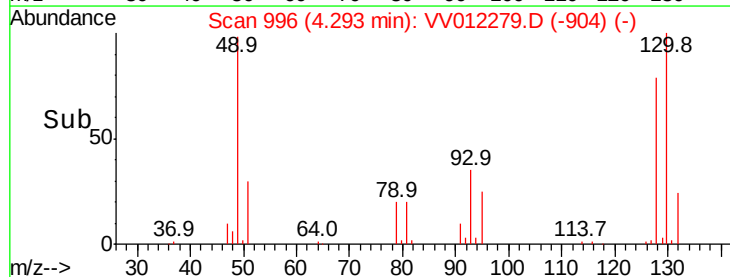
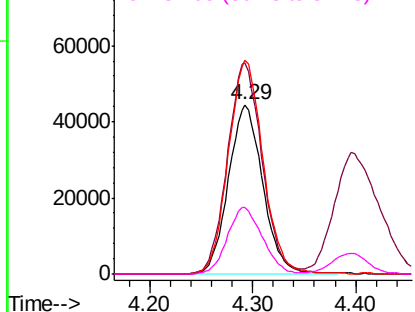
#23

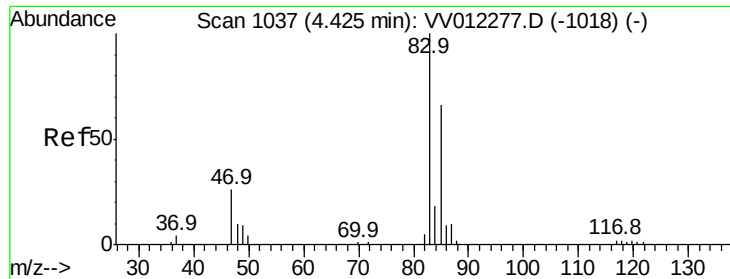
Bromochloromethane
 Concen: 21.597 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion: 128 Resp: 103294
 Ion Ratio Lower Upper
 128 100
 49 124.8 90.2 167.6
 130 126.1 91.2 169.4
 51 39.2 31.7 47.5



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

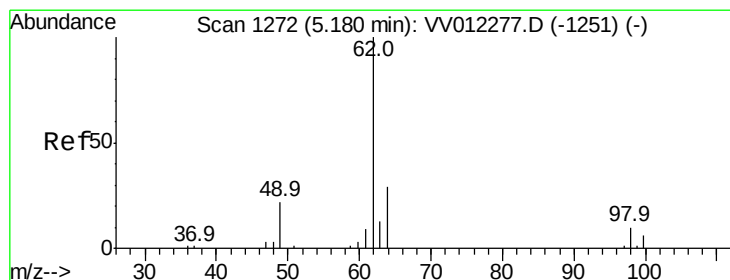
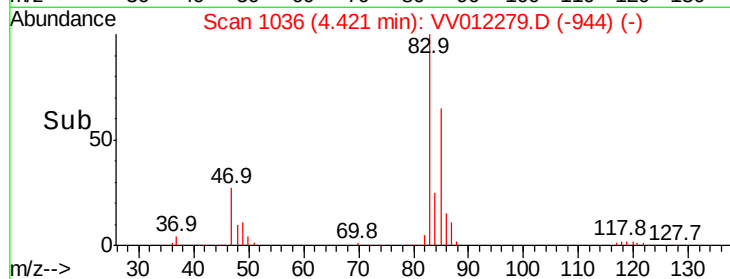
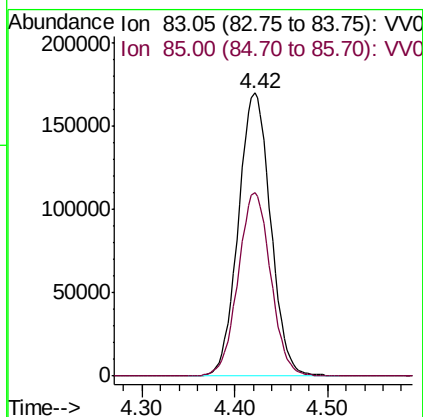
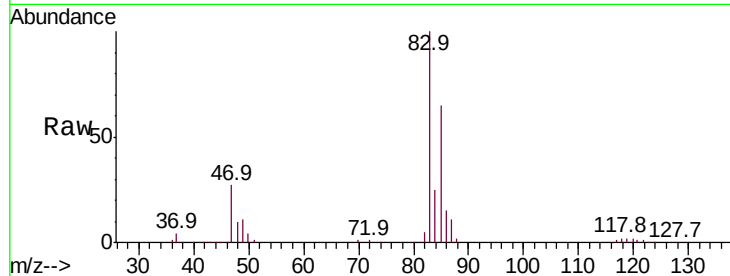




#25
Chloroform
Concen: 19.355 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

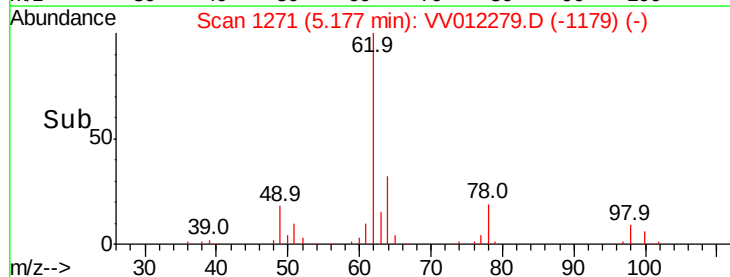
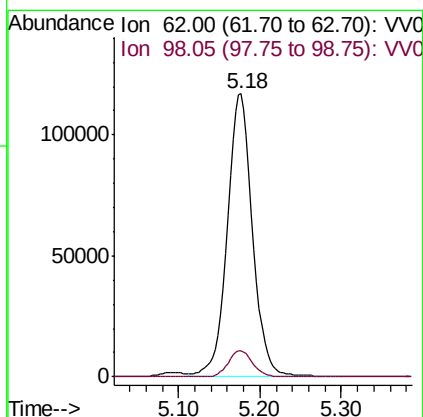
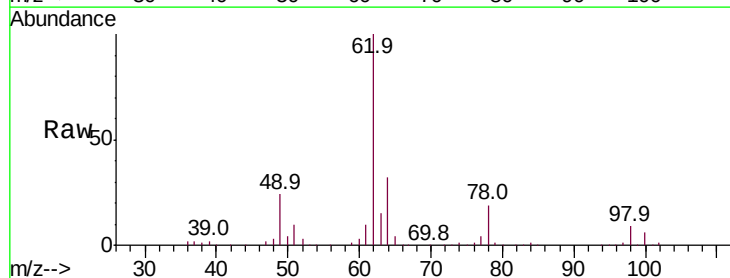
Instrument :
MSVOA_V
ClientSampleId :

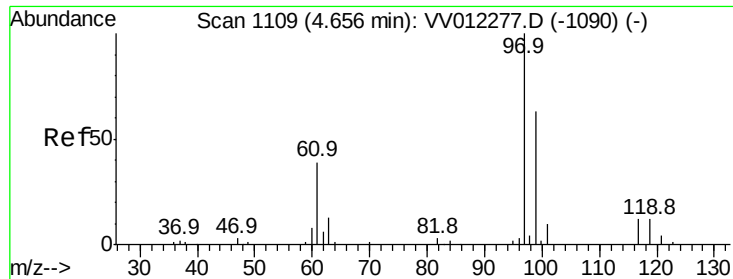
Tot Ion: 83 Resp: 410869
Ion Ratio Lower Upper
83 100
85 64.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 21.534 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Tgt Ion: 62 Resp: 253651
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4

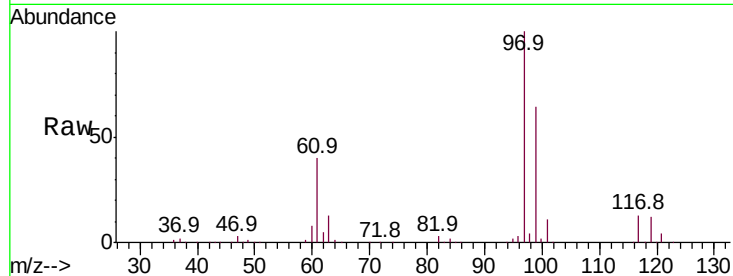




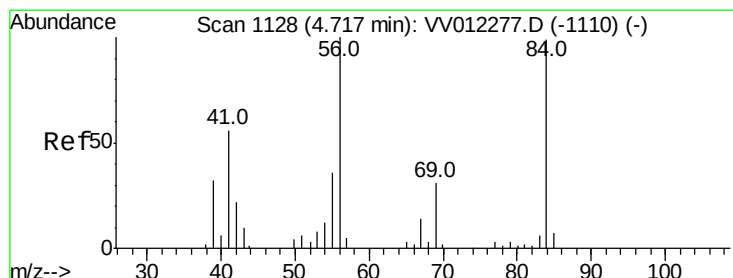
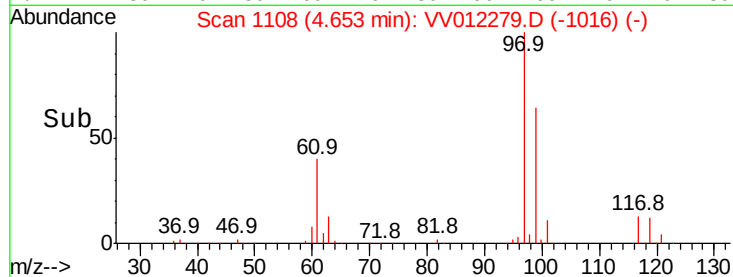
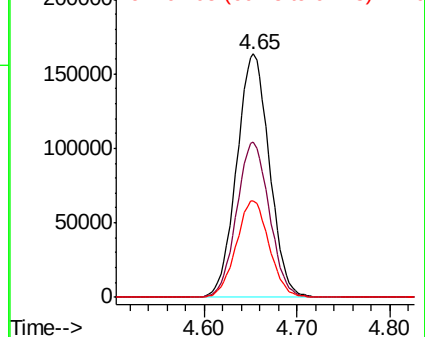
#29
1,1,1-Trichloroethane
Concen: 23.965 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 398991
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 40.2 31.7 47.5

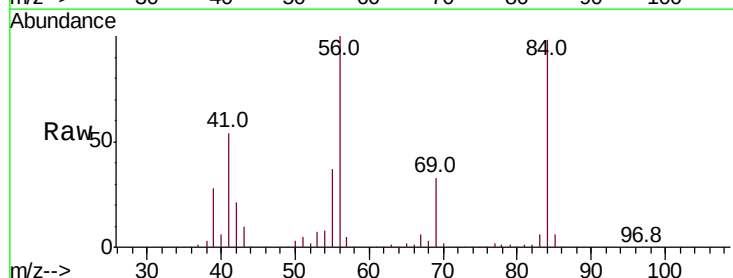


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

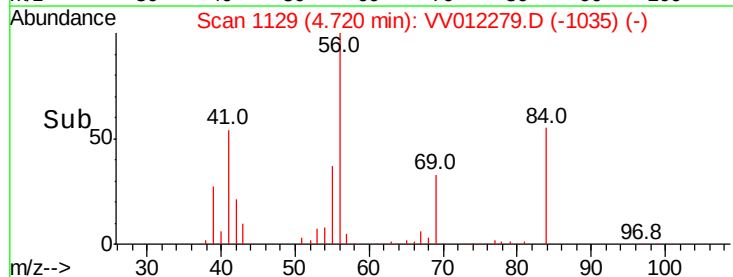
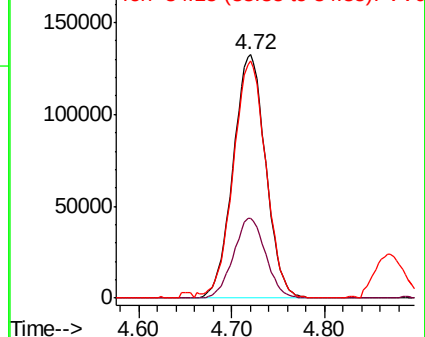


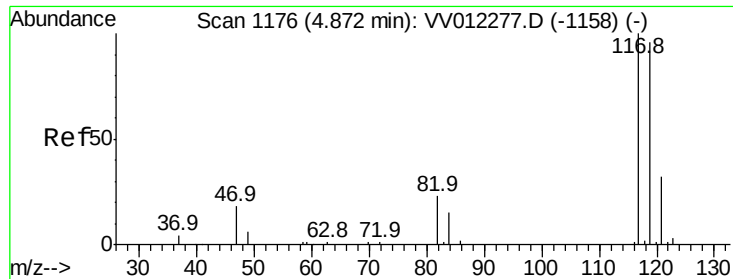
#30
Cyclohexane
Concen: 20.715 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Tgt Ion: 56 Resp: 322774
Ion Ratio Lower Upper
56 100
69 32.2 25.3 37.9
84 97.7 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

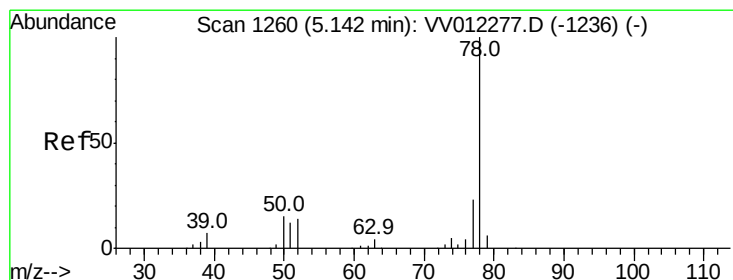
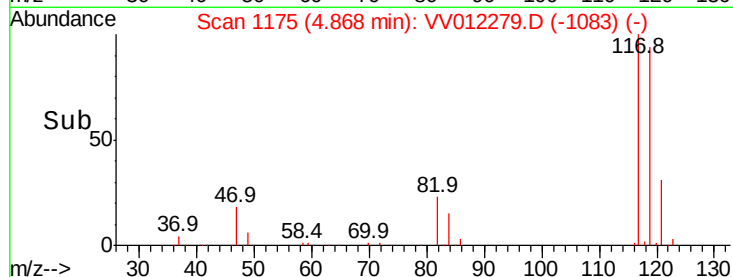
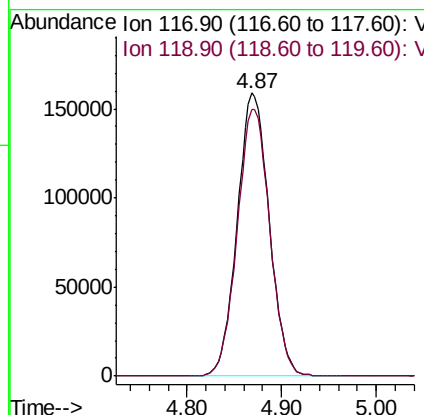
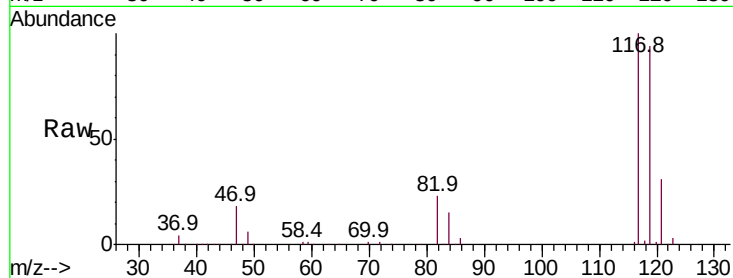




#31
 Carbon tetrachloride
 Concen: 24.561 ug/L
 RT: 4.87 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

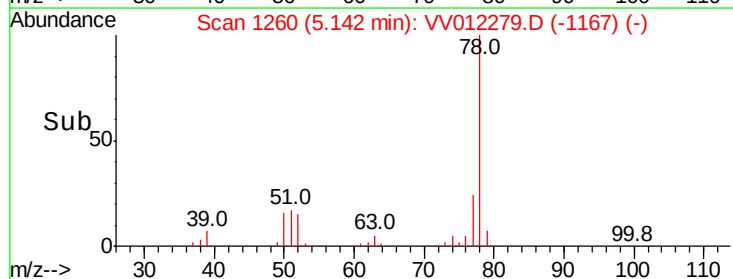
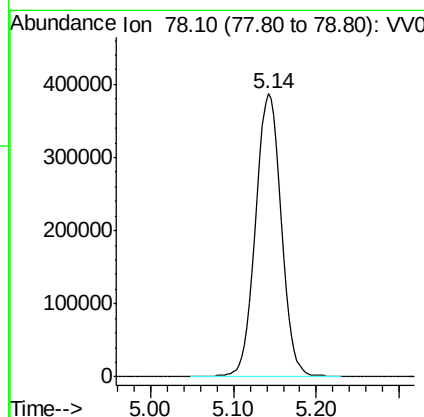
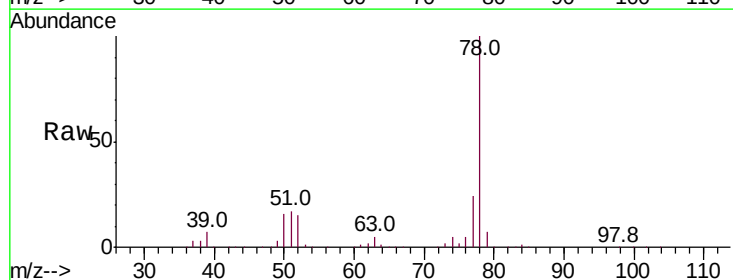
Instrument :
 MSVOA_V
 ClientSampleId :

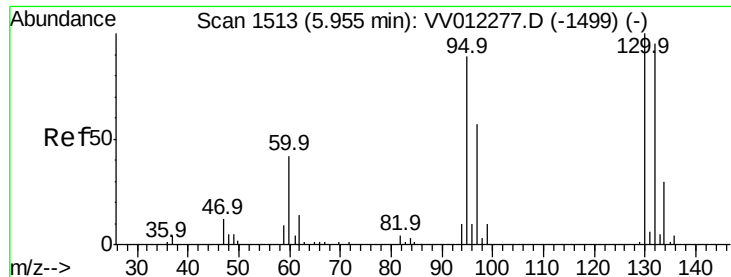
Tot Ion:117 Resp: 372557
 Ion Ratio Lower Upper
 117 100
 119 96.1 77.6 116.4



#33
 Benzene
 Concen: 21.221 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion: 78 Resp: 836532

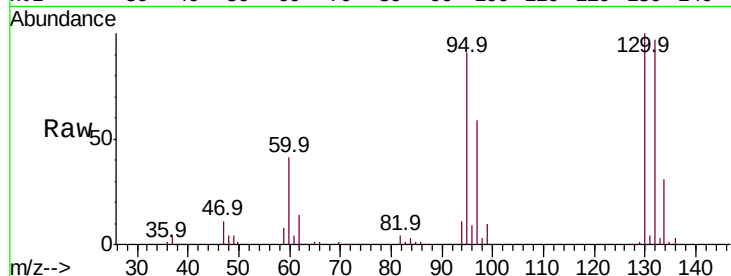




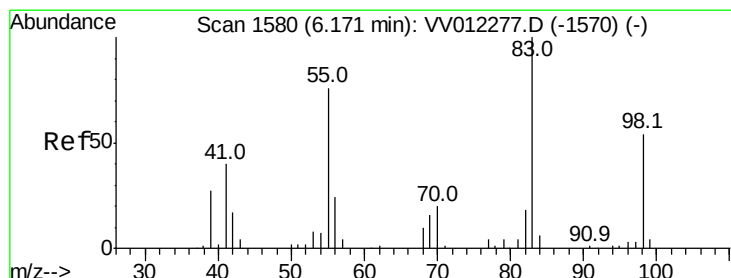
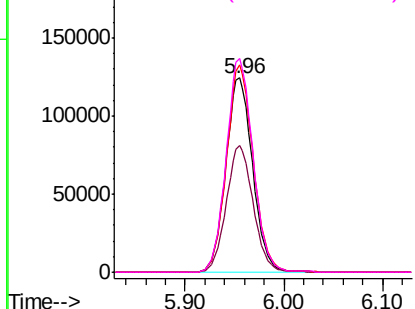
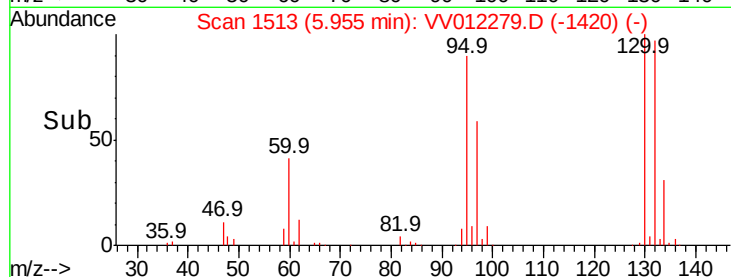
#34
 Trichloroethene
 Concen: 21.808 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 237829
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.9 83.5
 132 106.8 74.9 139.1
 130 109.8 79.0 146.8

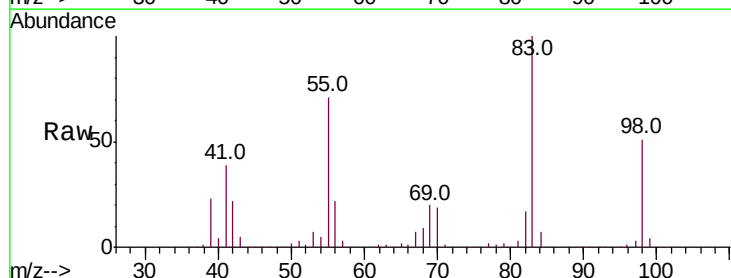


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

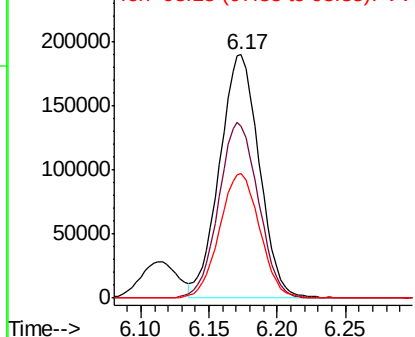
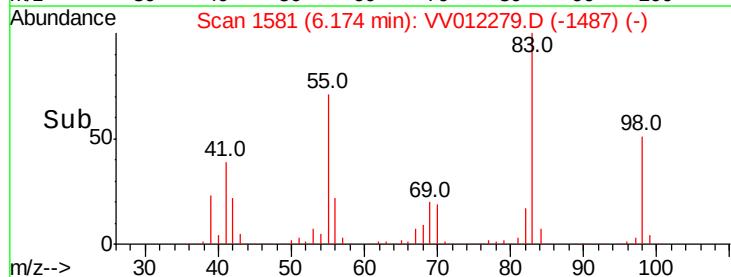


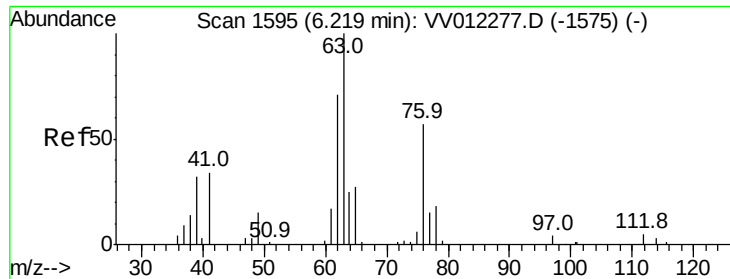
#35
 Methylcyclohexane
 Concen: 22.943 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion: 83 Resp: 383366
 Ion Ratio Lower Upper
 83 100
 55 72.3 57.3 85.9
 98 52.0 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

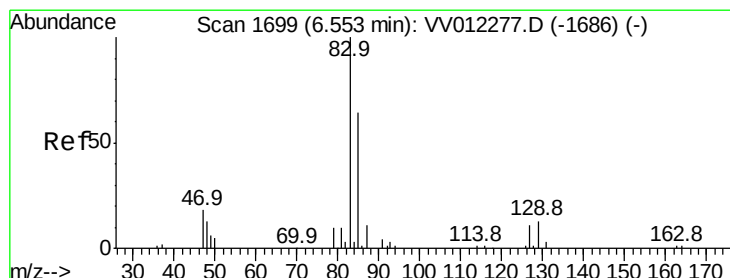
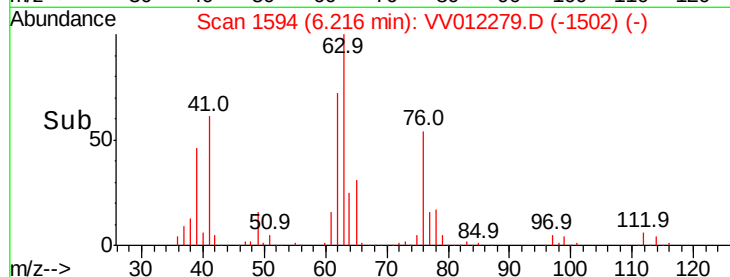
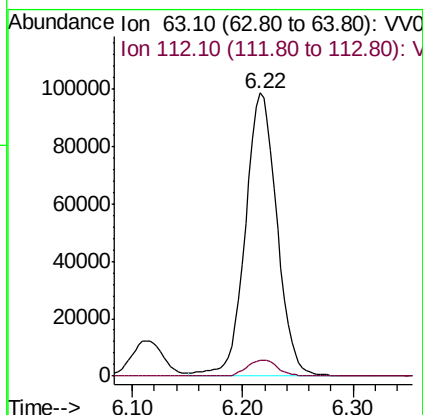
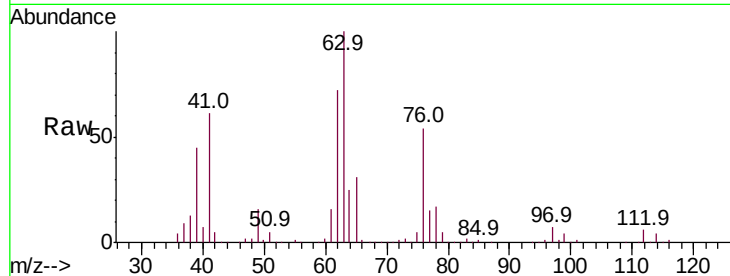




#37
 1,2-Dichloropropane
 Concen: 20.019 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

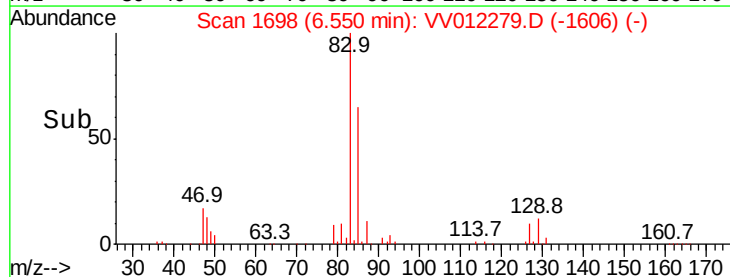
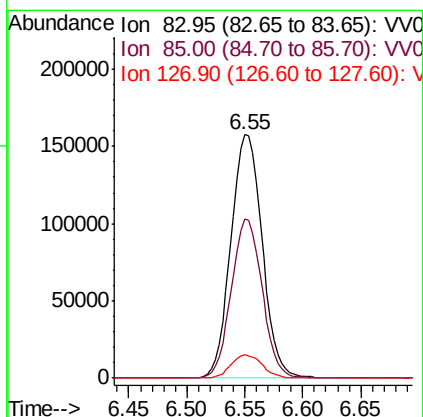
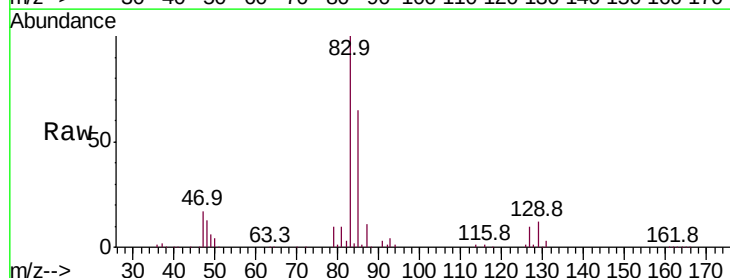
Instrument :
 MSVOA_V
 ClientSampled :

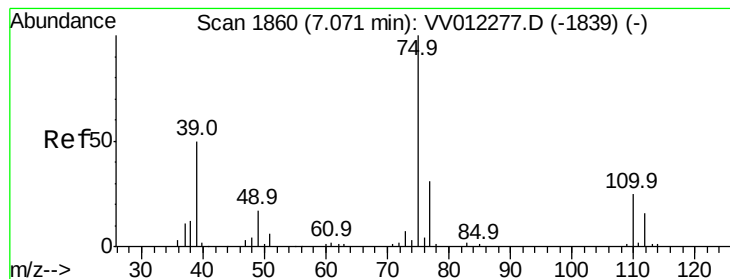
Tot Ion: 63 Resp: 194311
 Ion Ratio Lower Upper
 63 100
 112 5.6 5.1 7.7



#38
 Bromodichloromethane
 Concen: 22.673 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion: 83 Resp: 295639
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.5 82.7
 127 9.5 8.9 13.3



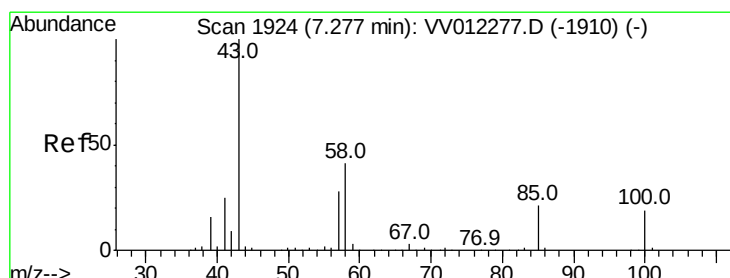
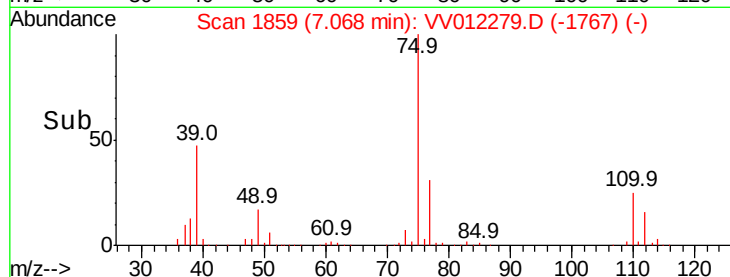
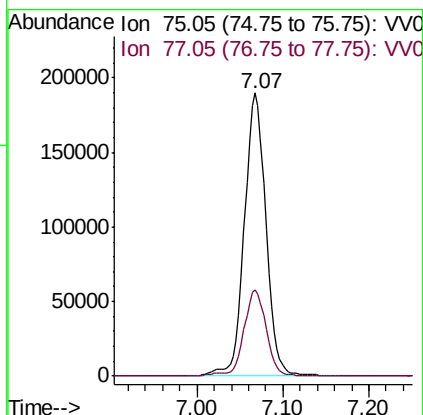
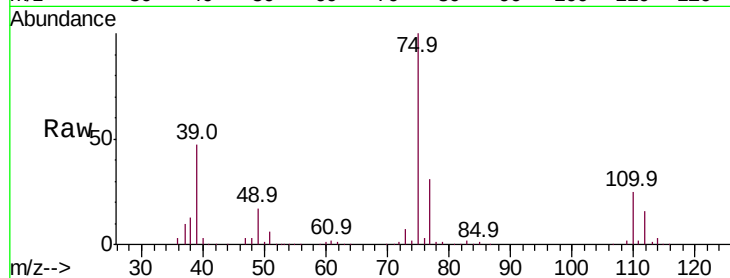


#39

cis-1,3-Dichloropropene
Concen: 24.047 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Instrument :
MSVOA_V
ClientSampleId :

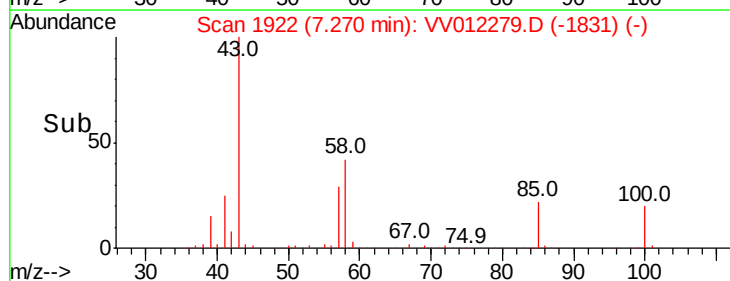
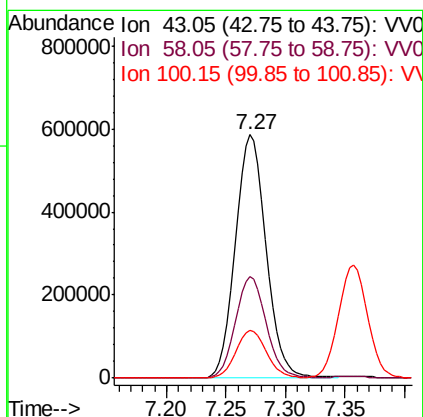
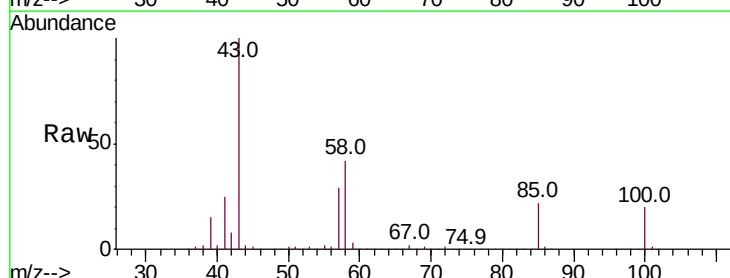
Tot Ion: 75 Resp: 332043
Ion Ratio Lower Upper
75 100
77 30.6 21.5 39.9

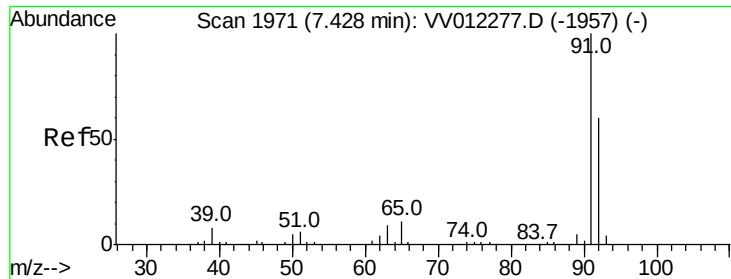


#40

4-Methyl-2-pentanone
Concen: 198.137 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Tgt Ion: 43 Resp: 1051783
Ion Ratio Lower Upper
43 100
58 41.6 32.1 48.1
100 19.6 15.2 22.8





#42

Toluene

Concen: 22.072 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

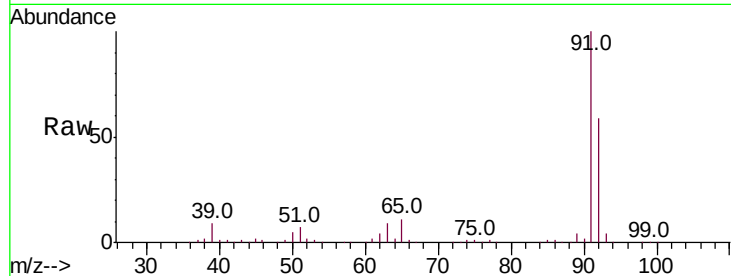
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 937785

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

600000

500000

400000

300000

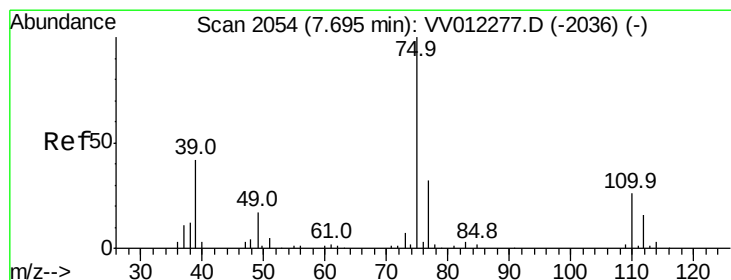
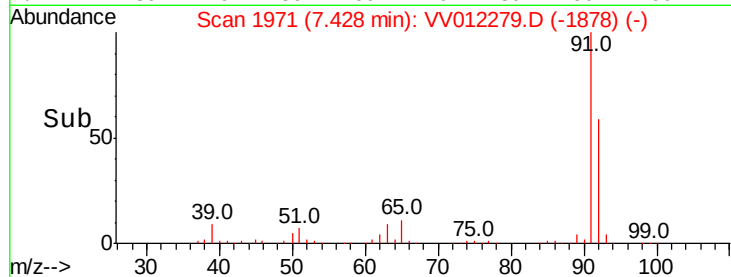
200000

100000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 24.002 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012279.D

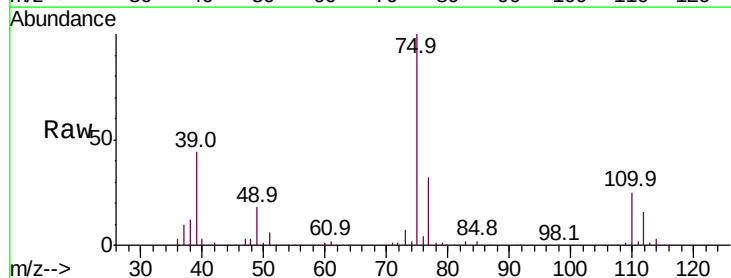
Acq: 19 Aug 2019 15:37

Tgt Ion: 75 Resp: 263948

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

150000

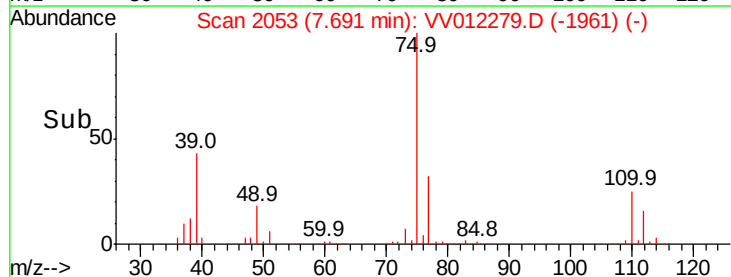
100000

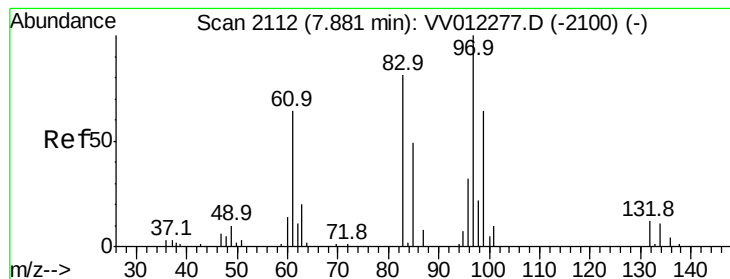
50000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 21.875 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 146193

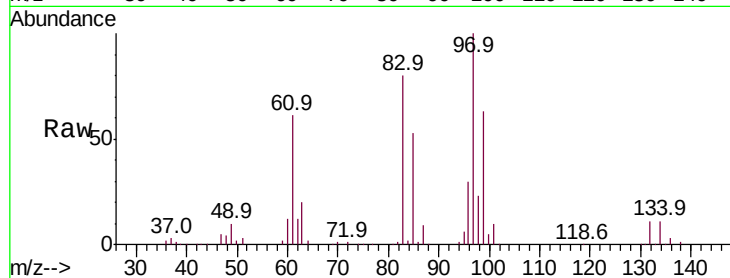
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.7	83.1
83	79.6	56.8	105.6
85	52.6	34.5	64.1

97 100

99 62.7 44.7 83.1

83 79.6 56.8 105.6

85 52.6 34.5 64.1

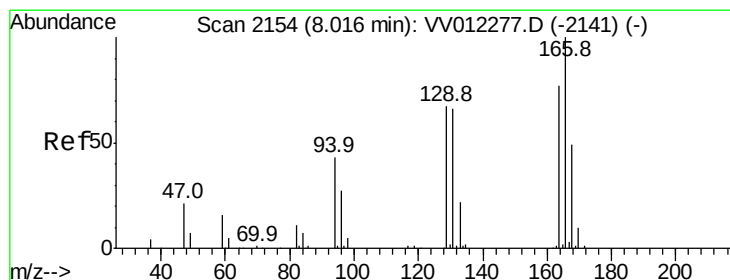
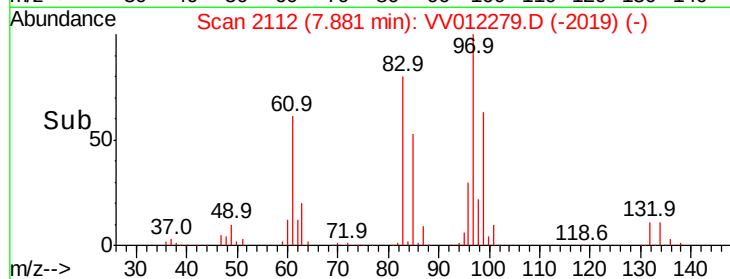
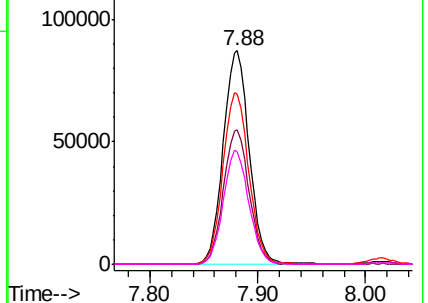


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 24.112 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Tgt Ion:164 Resp: 221919

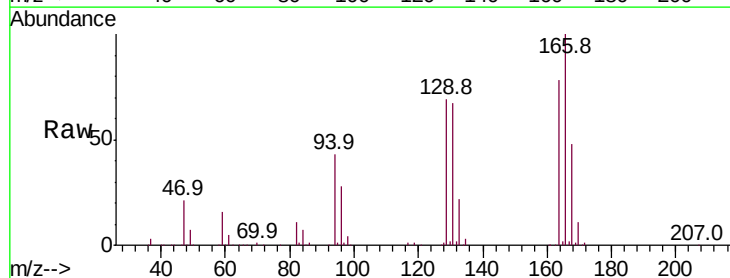
Ion	Ratio	Lower	Upper
164	100		
129	88.2	60.8	112.8
131	86.7	59.4	110.2
166	128.6	90.4	167.8

164 100

129 88.2 60.8 112.8

131 86.7 59.4 110.2

166 128.6 90.4 167.8

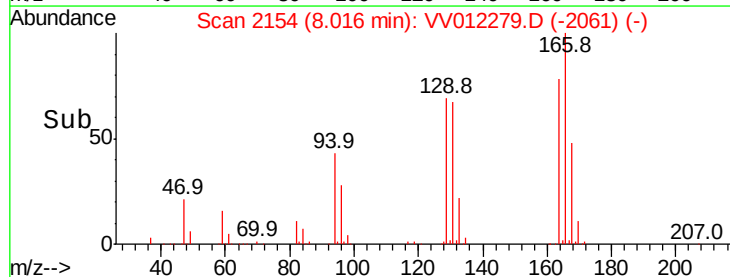
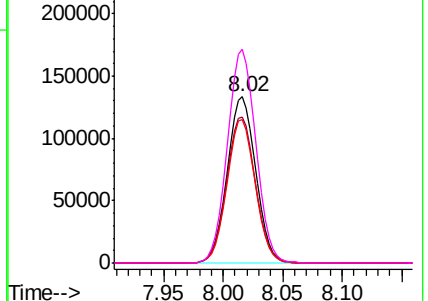


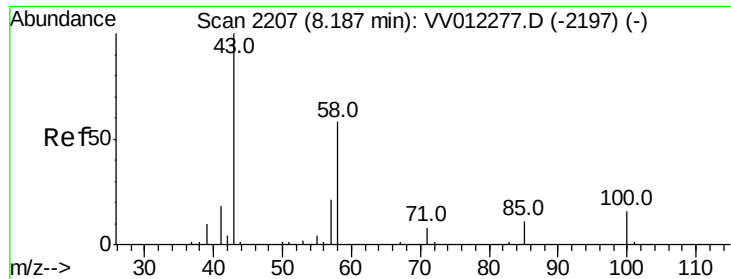
Abundance Ion 163.90 (163.60 to 164.60): V

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

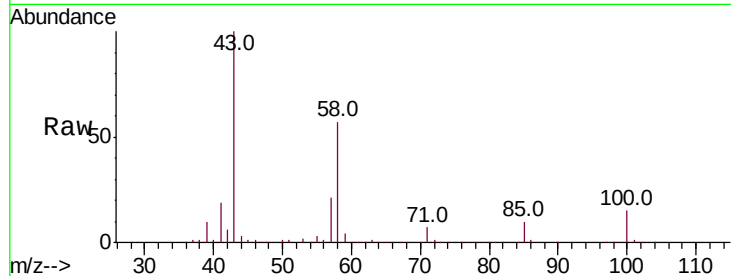




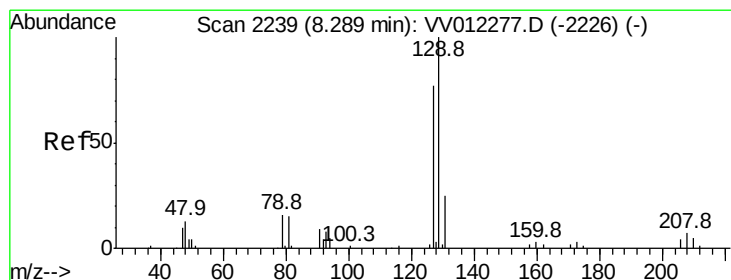
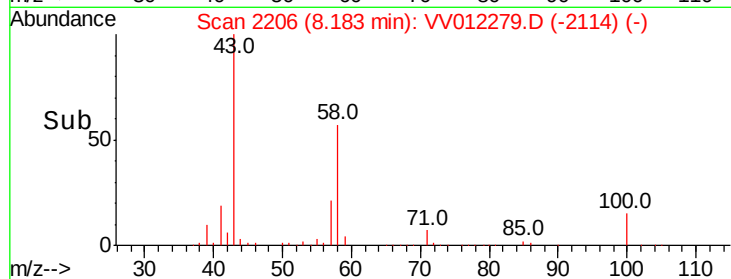
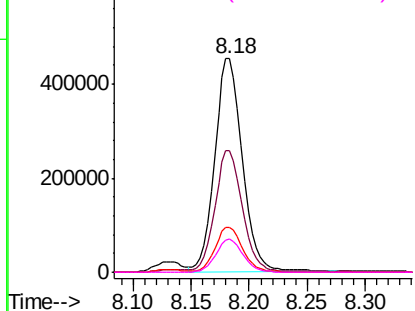
#48
2-Hexanone
Concen: 201.745 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 750821
Ion Ratio Lower Upper
43 100
58 56.9 45.4 68.2
57 21.0 16.8 25.2
100 15.4 12.2 18.2

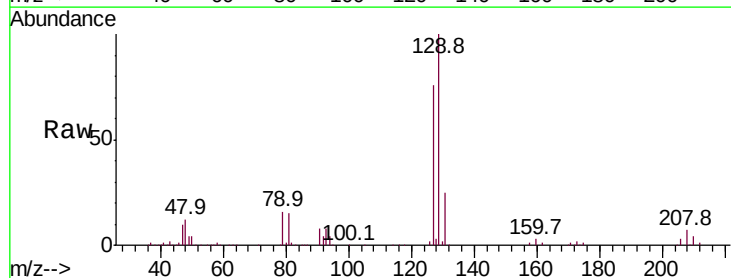


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

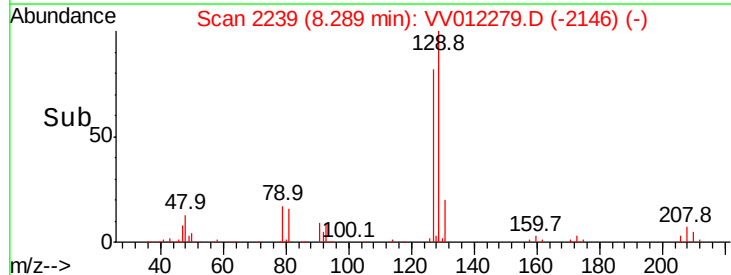
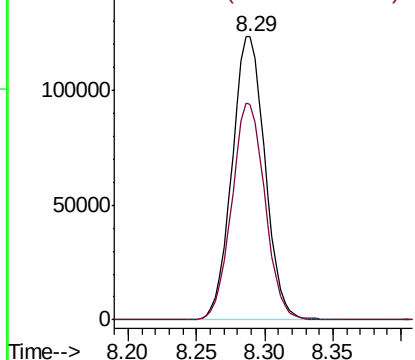


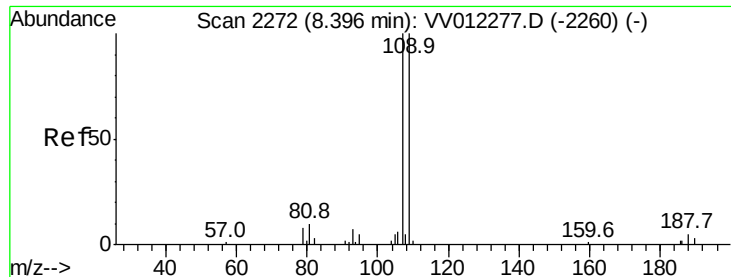
#49
Dibromochloromethane
Concen: 24.489 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012279.D
Acq: 19 Aug 2019 15:37

Tgt Ion: 129 Resp: 207212
Ion Ratio Lower Upper
129 100
127 76.3 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: 22.061 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :
MSVOA_V
ClientSampled :

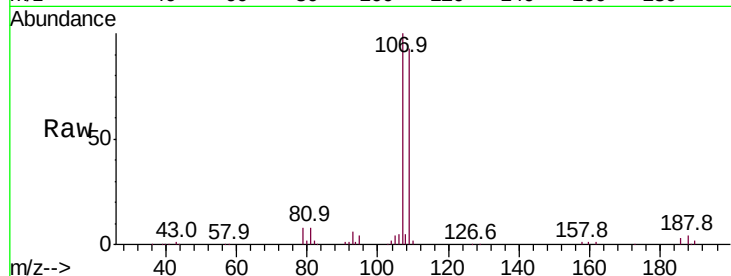
Tot Ion:107 Resp: 141830

Ion Ratio Lower Upper

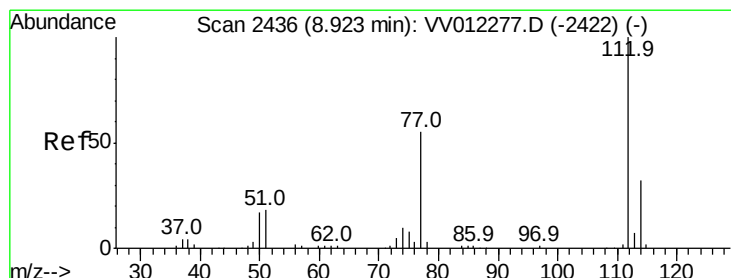
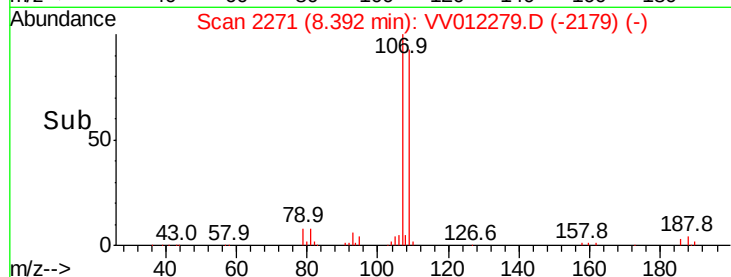
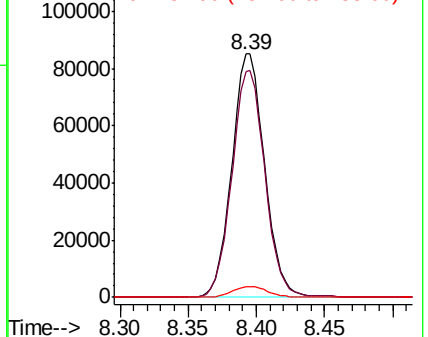
107 100

109 92.9 70.0 130.0

188 4.4 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: 22.669 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

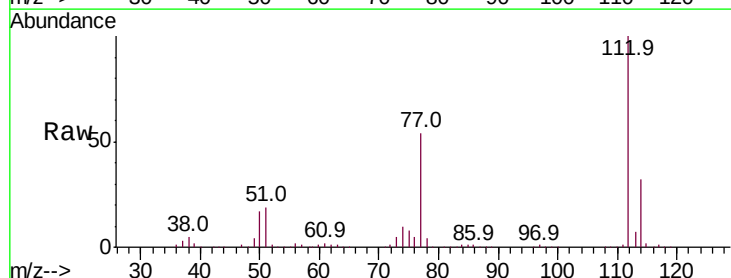
Tgt Ion:112 Resp: 629926

Ion Ratio Lower Upper

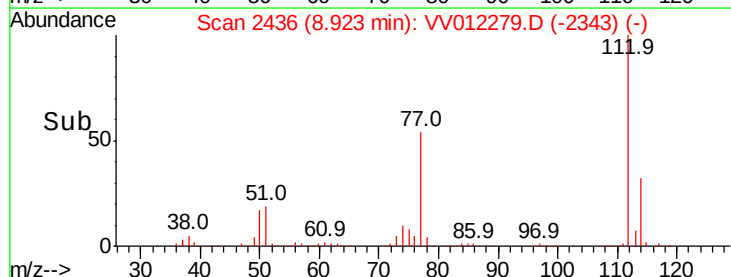
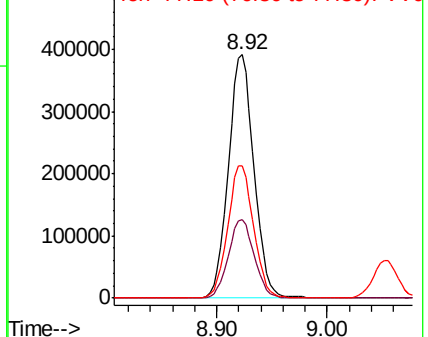
112 100

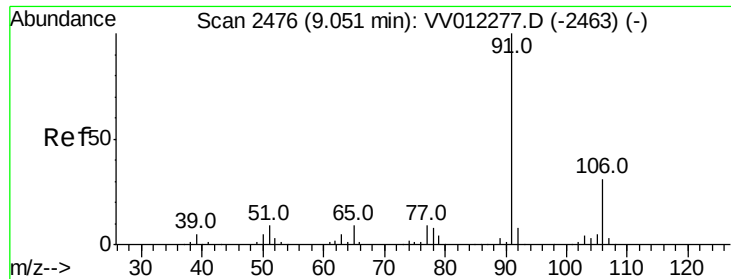
114 32.3 22.3 41.5

77 54.3 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: 23.958 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

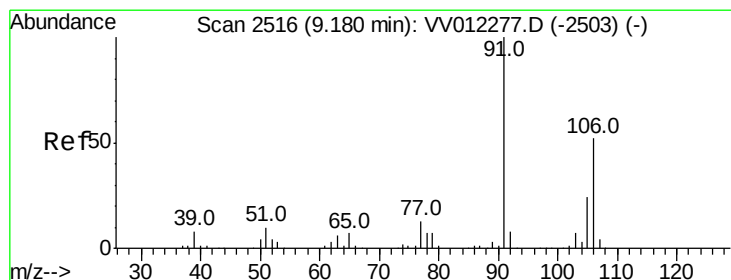
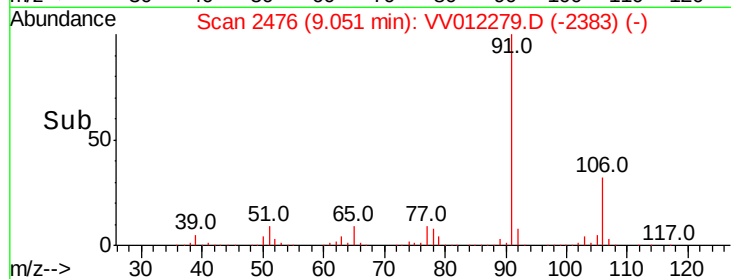
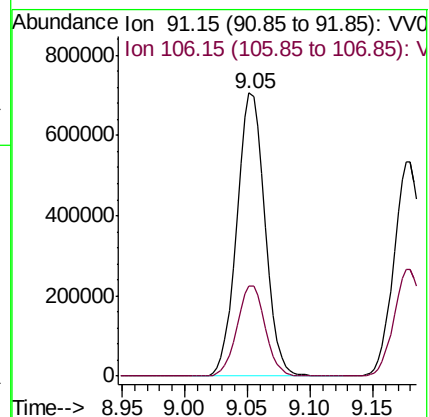
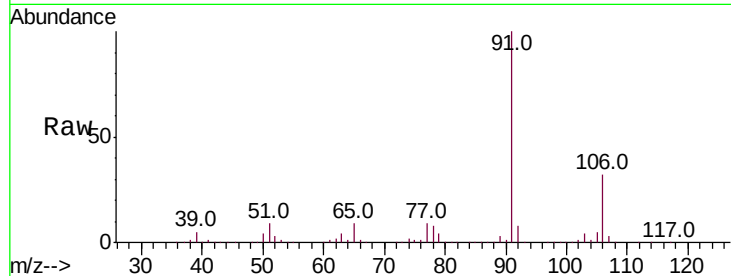
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1096640

Ion Ratio Lower Upper

91 100

106 32.0 21.6 40.0



#53

m,p-xylene

Concen: 24.334 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012279.D

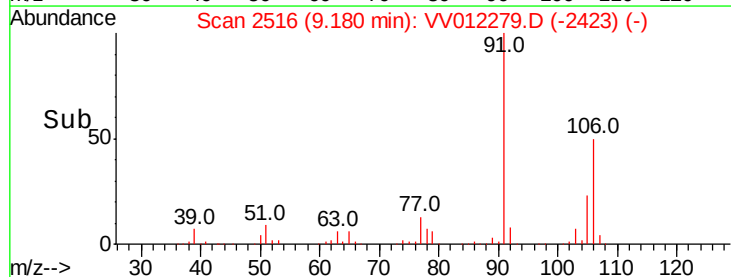
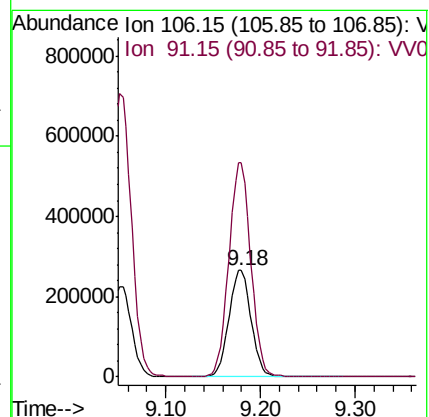
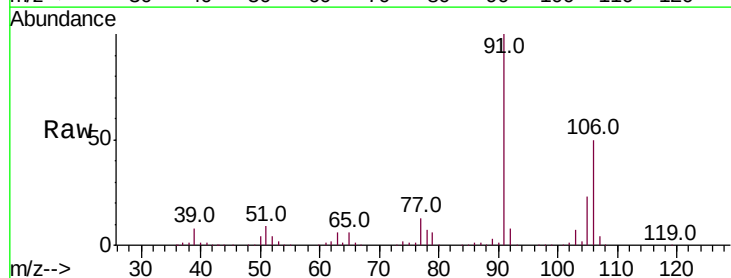
Acq: 19 Aug 2019 15:37

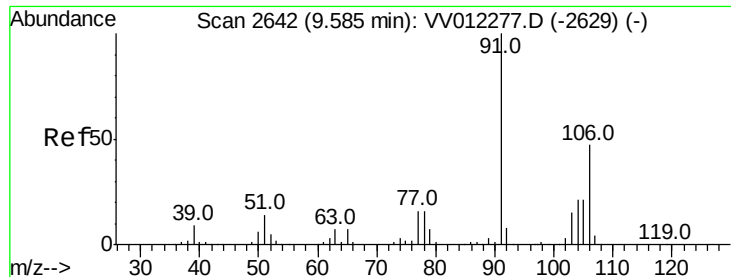
Tgt Ion: 106 Resp: 431219

Ion Ratio Lower Upper

106 100

91 200.8 136.0 252.6





#54

o-xylene

Concen: 24.695 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

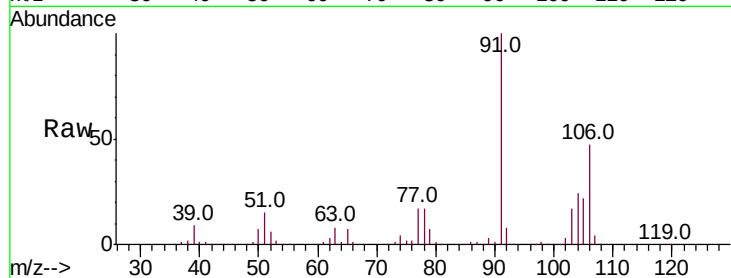
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 413605

Ion Ratio Lower Upper

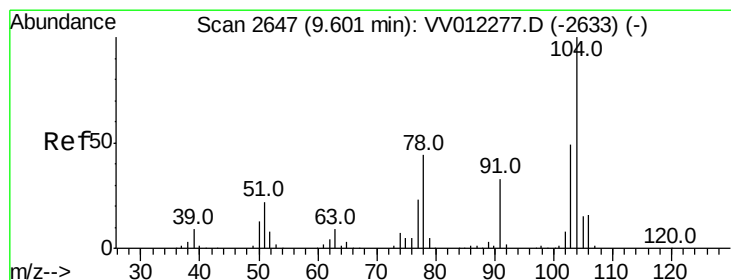
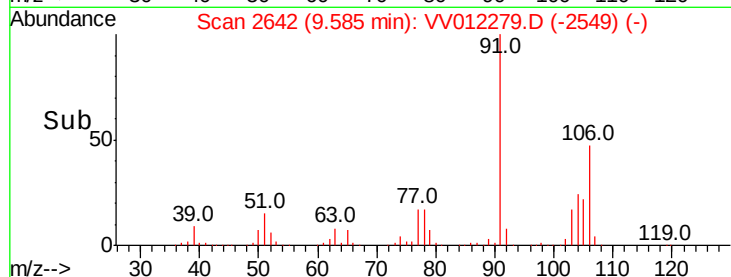
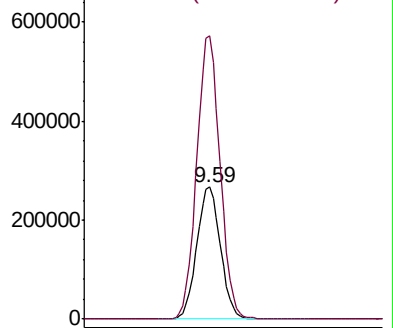
106 100

91 214.0 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 24.842 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012279.D

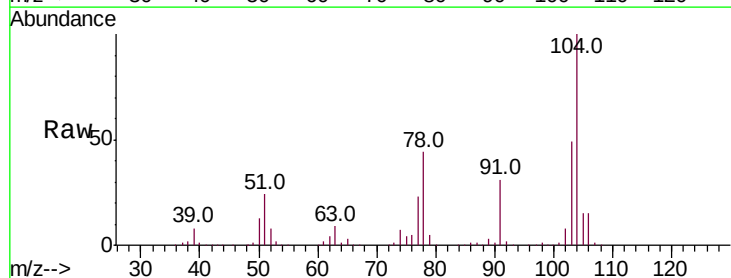
Acq: 19 Aug 2019 15:37

Tgt Ion:104 Resp: 694063

Ion Ratio Lower Upper

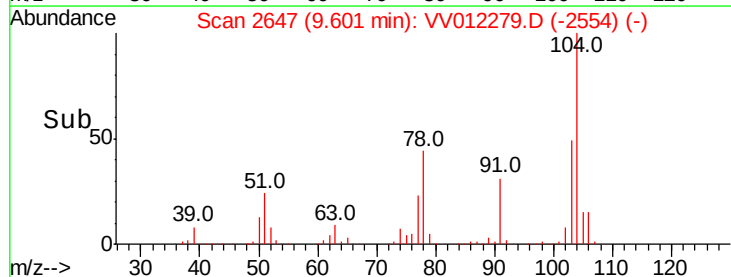
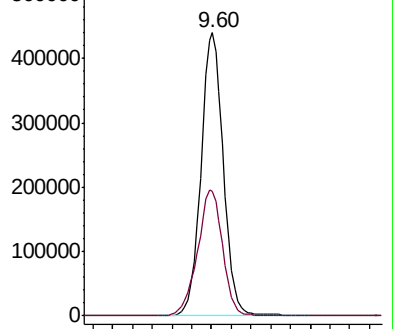
104 100

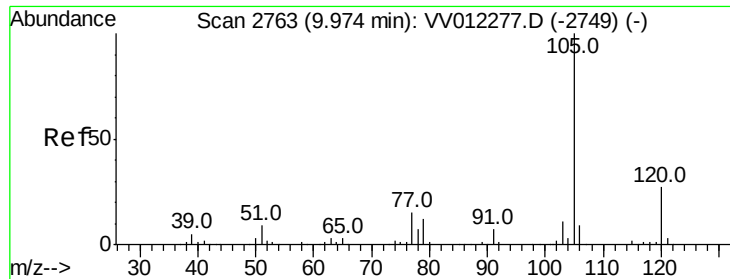
78 44.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 25.506 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

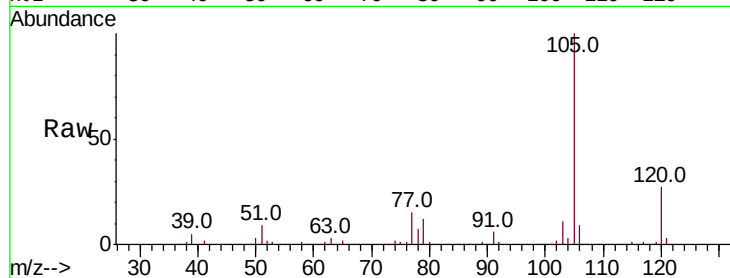
Tot Ion:105 Resp: 1148721

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

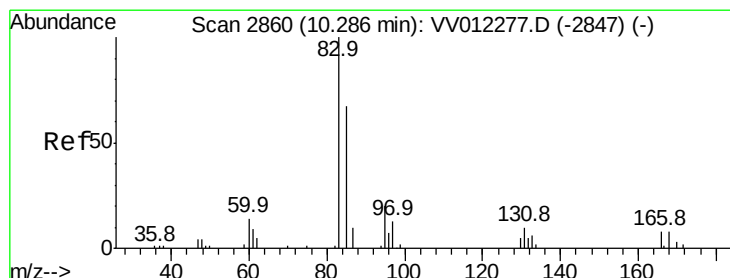
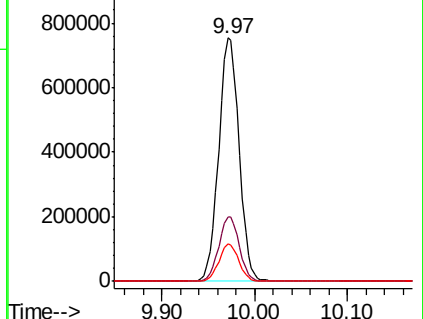
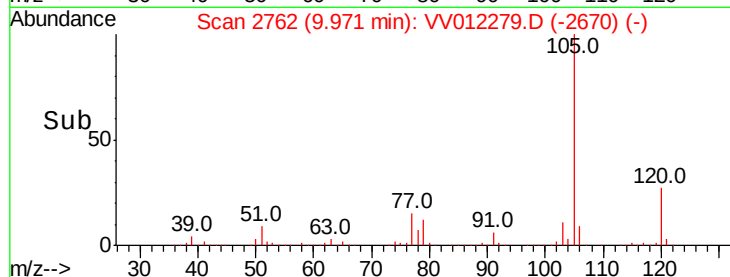
77 15.1 12.2 18.2



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: 21.171 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

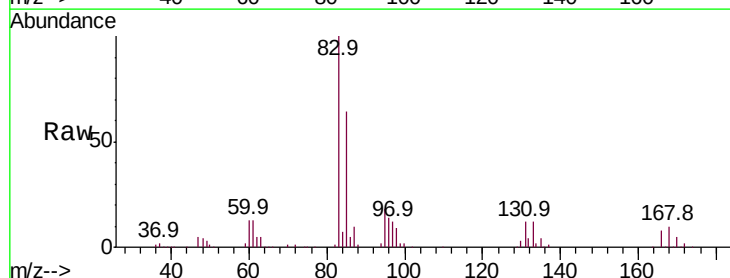
Tgt Ion: 83 Resp: 160401

Ion Ratio Lower Upper

83 100

85 64.4 47.0 87.2

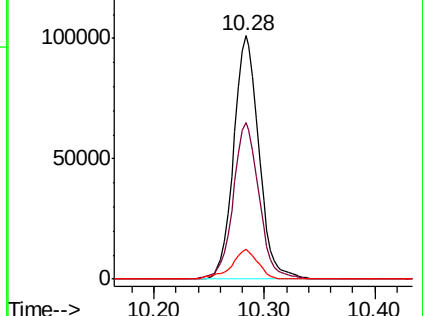
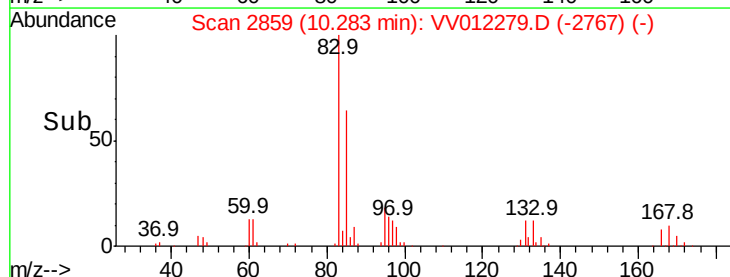
131 12.1 9.0 13.4

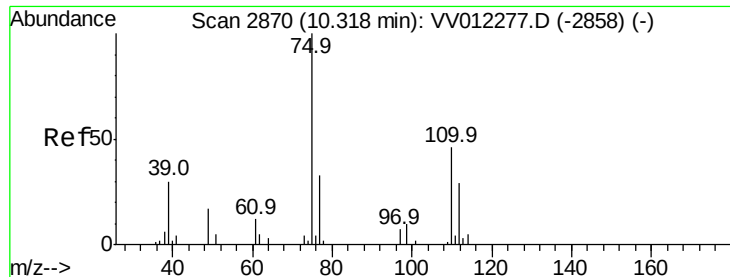


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.409 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :

MSVOA_V

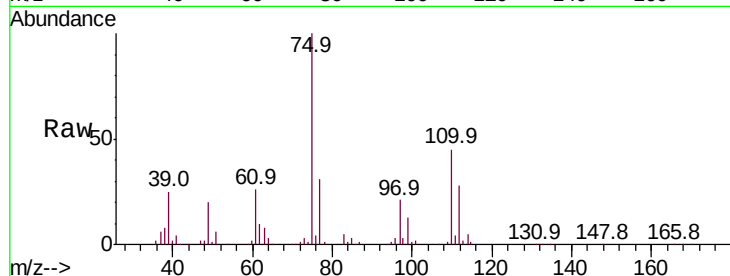
ClientSampled :

Tot Ion: 75 Resp: 120606

Ion Ratio Lower Upper

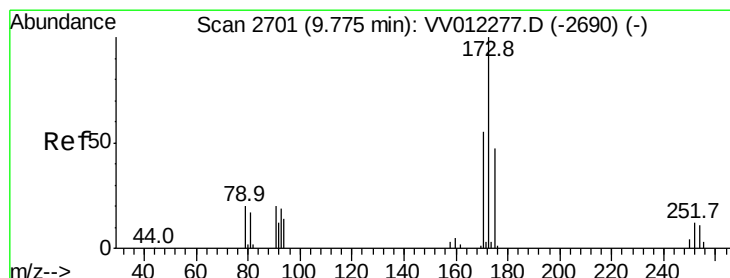
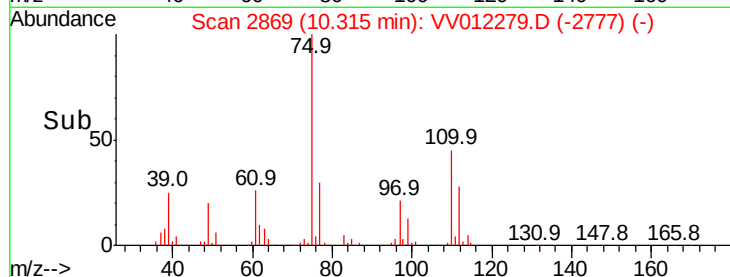
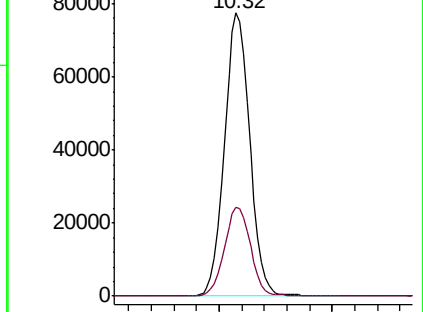
75 100

77 32.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV012277.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012277.D (-2858) (-)



#61

Bromoform

Concen: 23.915 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

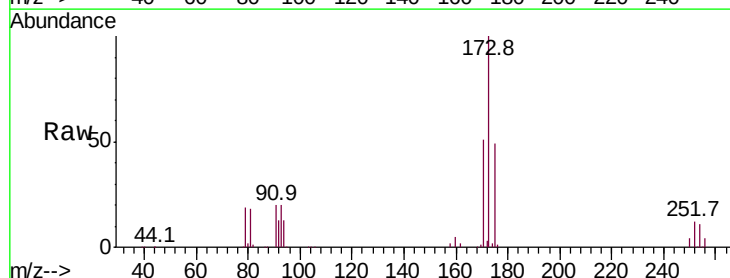
Tgt Ion:173 Resp: 120840

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

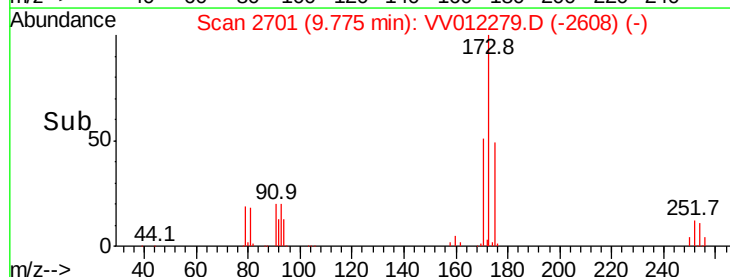
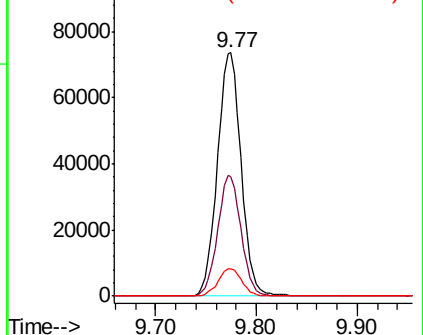
254 11.4 9.0 13.6

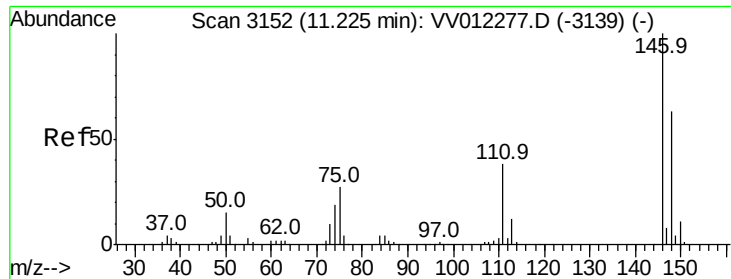


Abundance Ion 172.90 (172.60 to 173.60): VV012277.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV012277.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV012277.D (-2690) (-)

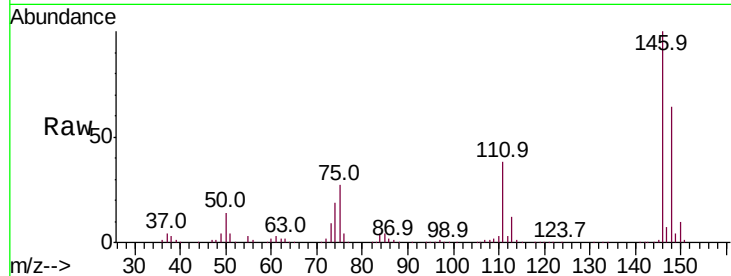




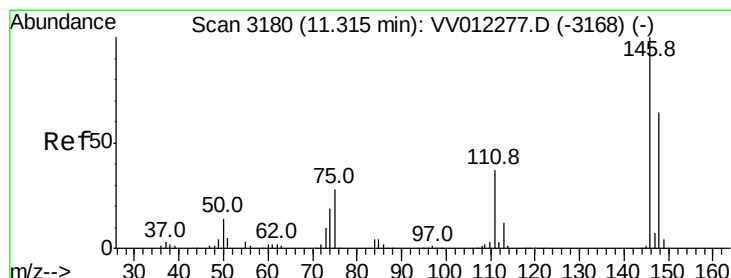
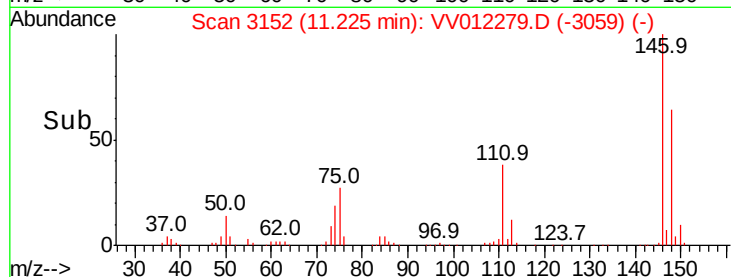
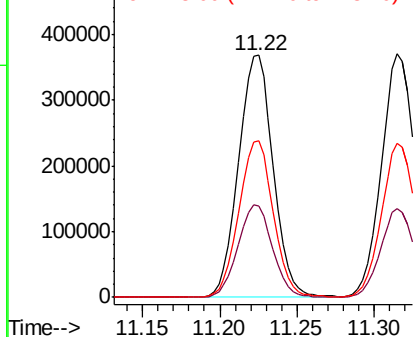
#62
 1,3-Dichlorobenzene
 Concen: 22.292 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 574436
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.8 49.8
 148 64.4 44.0 81.8

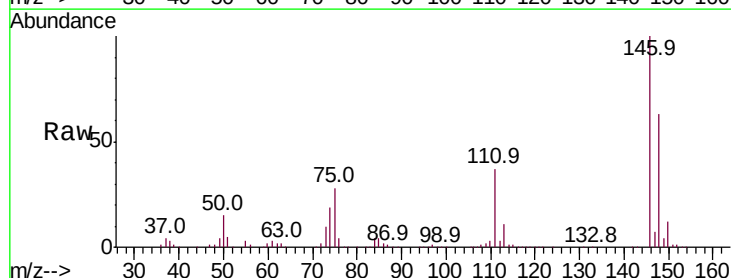


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

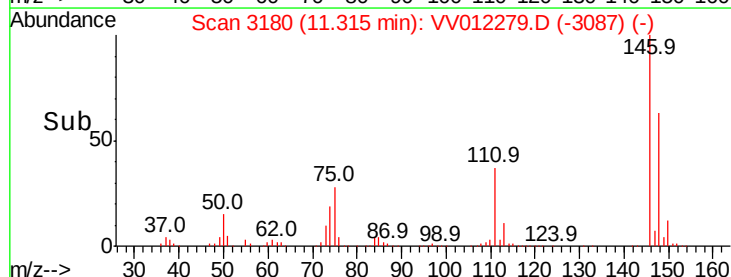
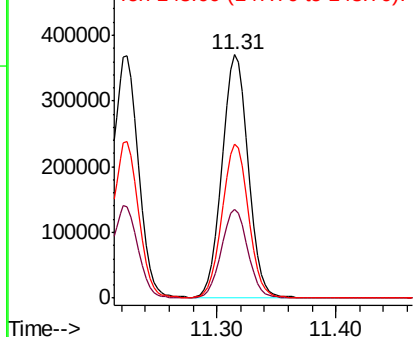


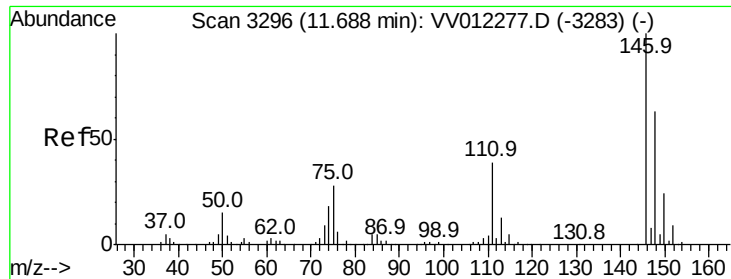
#63
 1,4-Dichlorobenzene
 Concen: 21.931 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion:146 Resp: 565154
 Ion Ratio Lower Upper
 146 100
 111 36.7 26.2 48.6
 148 63.4 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: 21.613 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

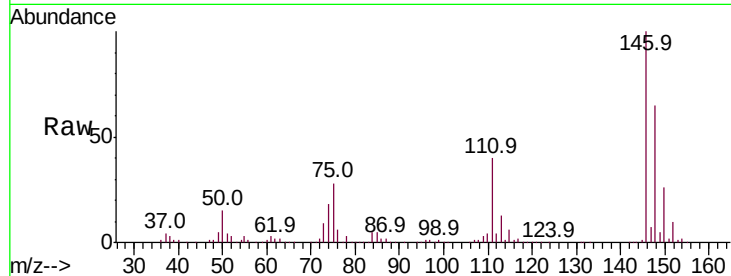
Tot Ion:146 Resp: 511619

Ion Ratio Lower Upper

146 100

111 40.1 31.4 47.0

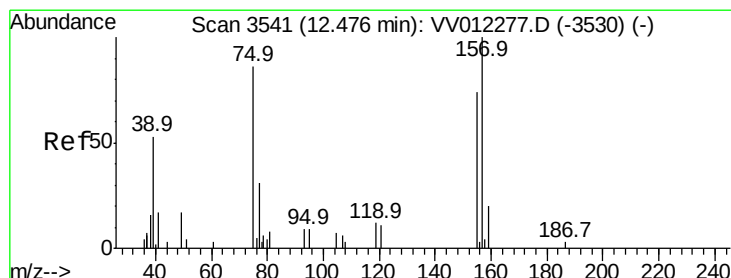
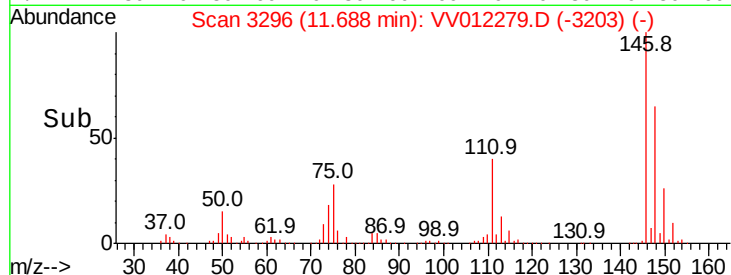
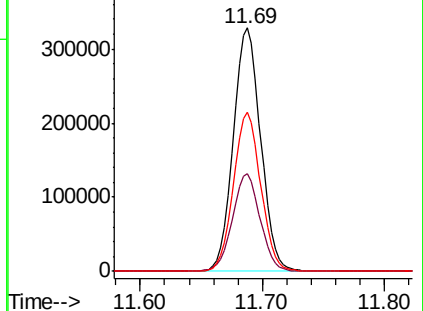
148 65.2 50.8 76.2



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: 20.450 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

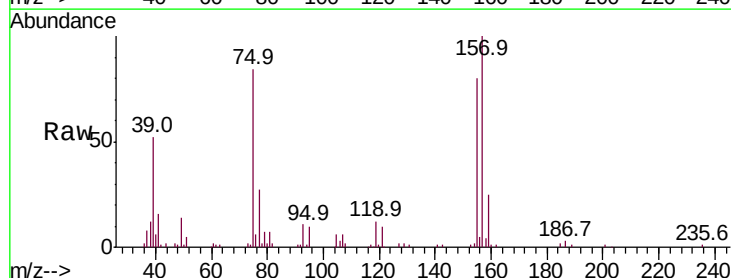
Tgt Ion: 75 Resp: 30610

Ion Ratio Lower Upper

75 100

155 94.6 68.4 102.6

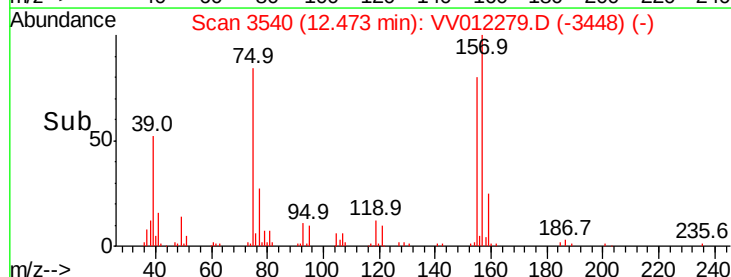
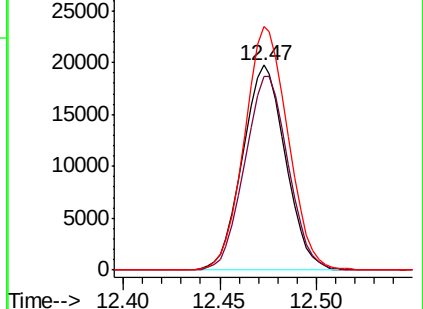
157 118.8 92.6 139.0

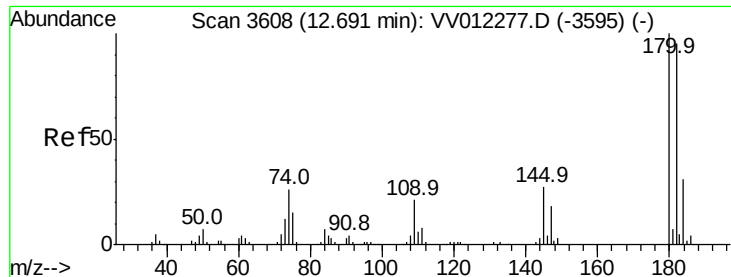


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

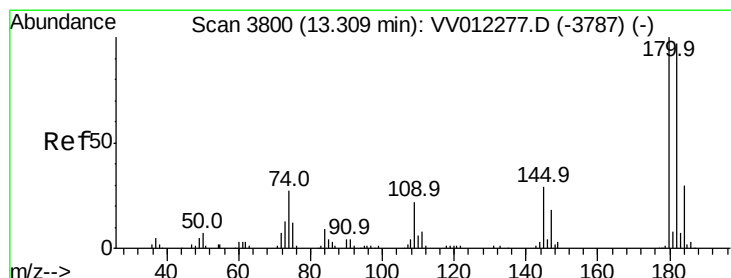
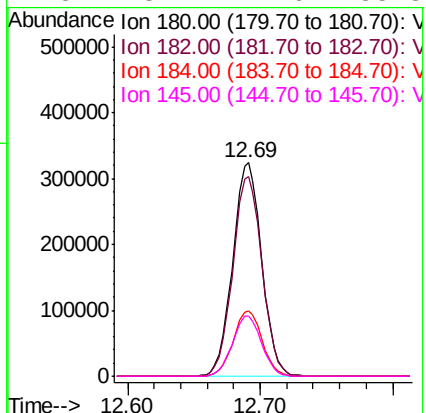
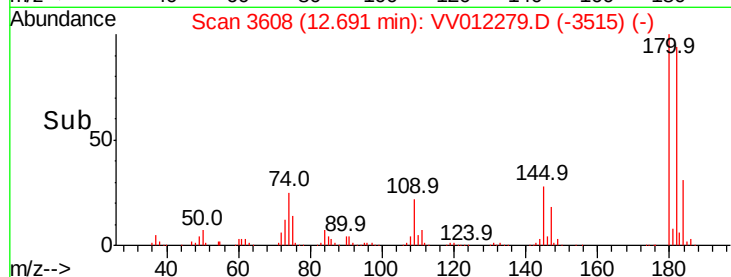
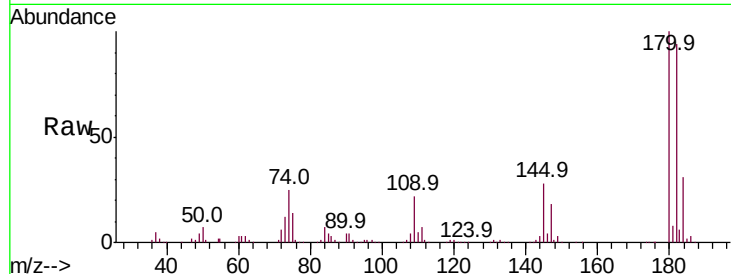




#67
 1,3,5-Trichlorobenzene
 Concen: 24.692 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

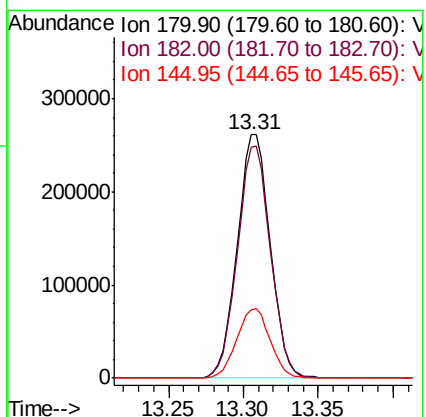
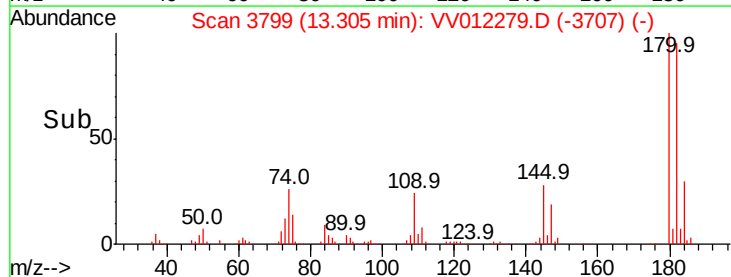
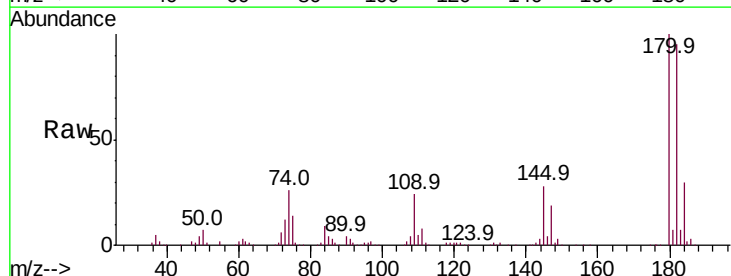
Instrument :
 MSVOA_V
 ClientSampleId :

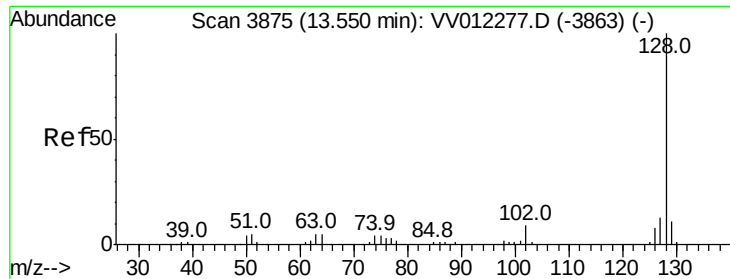
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.9	113.9
184	30.7	24.6	36.8
145	28.4	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 27.131 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012279.D
 Acq: 19 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
145	28.8	22.6	33.8





#69

Naphthalene

Concen: 28.371 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

Instrument :

MSVOA_V

ClientSampleId :

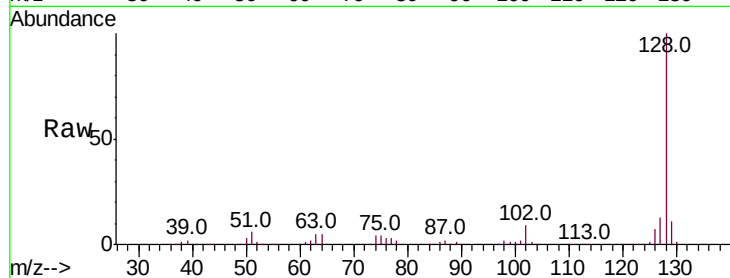
Tot Ion:128 Resp: 592597

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

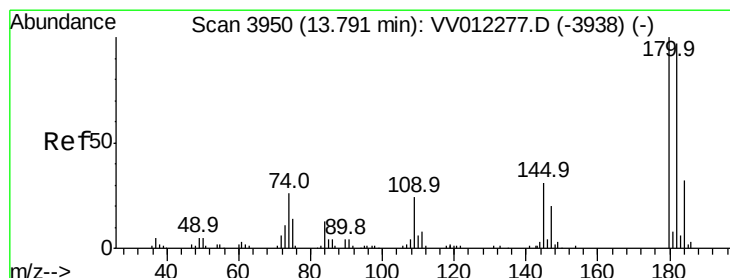
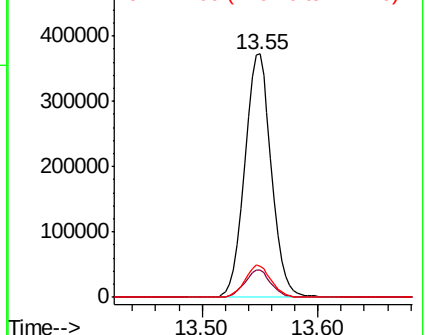
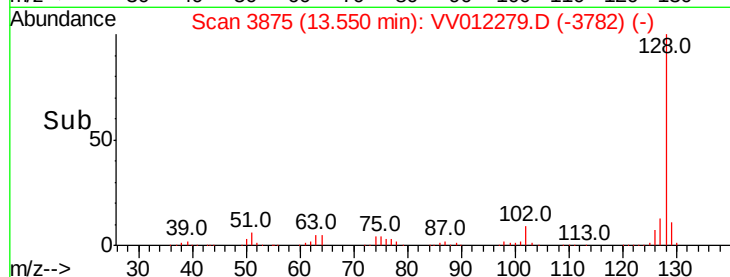
127 13.1 10.5 15.7



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: 25.520 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012279.D

Acq: 19 Aug 2019 15:37

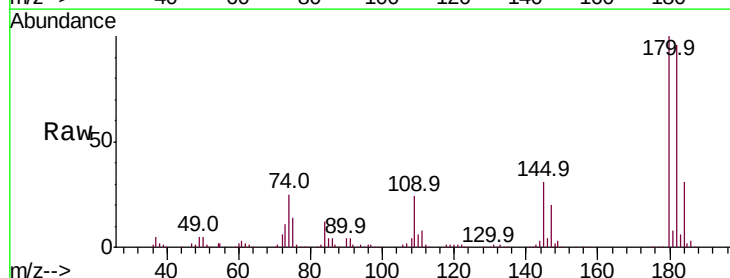
Tgt Ion:180 Resp: 353143

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 31.2 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

