

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007890.D
 Acq On : 26 Sep 2018 18:34
 Operator : SY/MD
 Sample : VSTD0.5
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:42:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 06:42:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	92230	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87478	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47507	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2651	0.66	ug/L	0.00
7) Chloroethane-d5	1.59	69	2378	0.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	6034	0.59	ug/L	0.00
20) 2-Butanone-d5	3.99	46	7228	6.92	ug/L	0.00
24) Chloroform-d	4.41	84	5759	0.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.10	65	3321	0.70	ug/L	0.00
32) Benzene-d6	5.10	84	10773	0.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	3456	0.65	ug/L	0.00
41) Toluene-d8	7.36	98	10707	0.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1334	0.63	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4670	5.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	2398	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	5333	0.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4006	0.538	ug/L 98
3) Chloromethane	1.25	50	3536	0.588	ug/L 100
5) Vinyl chloride	1.32	62	3635	0.532	ug/L 98
6) Bromomethane	1.54	94	2316	0.516	ug/L 84
8) Chloroethane	1.60	64	2326	0.527	ug/L 99
9) Trichlorofluoromethane	1.77	101	6091	0.447	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3486	0.468	ug/L 98
12) 1,1-Dichloroethene	2.14	96	3102	0.471	ug/L 98
13) Acetone	2.23	43	5955	6.205	ug/L 95
14) Carbon disulfide	2.32	76	9050	0.519	ug/L # 92
15) Methyl Acetate	2.48	43	1575	0.680	ug/L # 67
16) Methylene chloride	2.54	84	4012	0.592	ug/L 95
17) Methyl tert-butyl Ether	2.82	73	7428	0.479	ug/L 94
18) trans-1,2-Dichloroethene	2.79	96	3544	0.491	ug/L 98
19) 1,1-Dichloroethane	3.23	63	5851	0.571	ug/L 88
21) 2-Butanone	4.07	43	8604	6.761	ug/L 90
22) cis-1,2-Dichloroethene	3.96	96	3265	0.495	ug/L 95
23) Bromochloromethane	4.30	128	1350	0.454	ug/L 96
25) Chloroform	4.43	83	6017	0.546	ug/L 94
27) 1,2-Dichloroethane	5.18	62	3794	0.562	ug/L 96
29) 1,1,1-Trichloroethane	4.66	97	5012	0.483	ug/L 92
30) Cyclohexane	4.72	56	4675	0.517	ug/L 96
31) Carbon tetrachloride	4.87	117	4353	0.463	ug/L 95
33) Benzene	5.15	78	12167	0.515	ug/L 100
34) Trichloroethene	5.96	95	3772	0.549	ug/L 95
35) Methylcyclohexane	6.18	83	5079	0.481	ug/L 94
37) 1,2-Dichloropropane	6.23	63	3130	0.545	ug/L # 87
38) Bromodichloromethane	6.56	83	3367	0.453	ug/L # 90
39) cis-1,3-Dichloropropene	7.08	75	3935	0.483	ug/L 99
40) 4-Methyl-2-pentanone	7.29	43	17433	5.449	ug/L 98

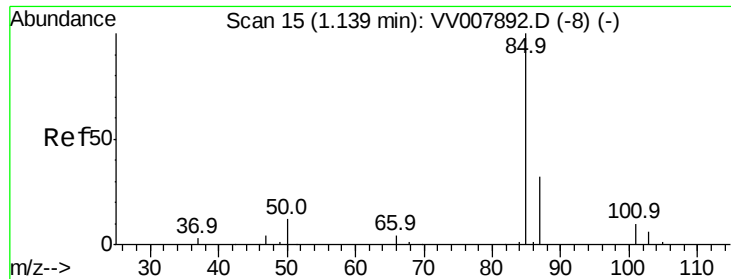
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
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 QLast Update : Thu Sep 27 06:42:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	12753	0.480	ug/L	93
44) trans-1,3-Dichloropropene	7.70	75	3045	0.458	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	2246	0.517	ug/L	85
47) Tetrachloroethene	8.02	164	3474	0.520	ug/L	95
48) 2-Hexanone	8.20	43	11070	4.874	ug/L	97
49) Dibromochloromethane	8.29	129	2164	0.407	ug/L	84
50) 1,2-Dibromoethane	8.40	107	1807	0.440	ug/L #	91
51) Chlorobenzene	8.93	112	9461	0.515	ug/L	95
52) Ethylbenzene	9.06	91	13719	0.457	ug/L	98
53) m,p-xylene	9.18	106	5279	0.451	ug/L	96
54) o-xylene	9.59	106	5080	0.442	ug/L	99
55) Styrene	9.61	104	8313	0.439	ug/L	95
56) Isopropylbenzene	9.98	105	13322	0.424	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	2410	0.482	ug/L	83
59) 1,2,3-Trichloropropane	10.32	75	1746	0.495	ug/L	98
61) Bromoform	9.78	173	1190	0.399	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	7814	0.497	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	8468	0.533	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	7407	0.501	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	310	0.453	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.70	180	6857	0.505	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	5689	0.513	ug/L	100
69) Naphthalene	13.56	128	6824	0.416	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	4785	0.466	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.538 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

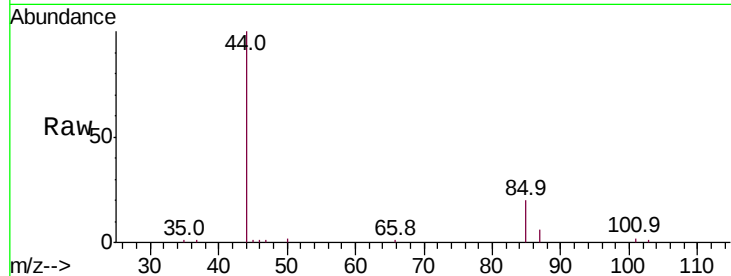
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 4006

Ion Ratio Lower Upper

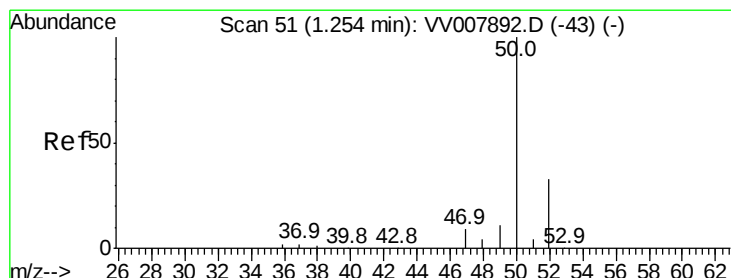
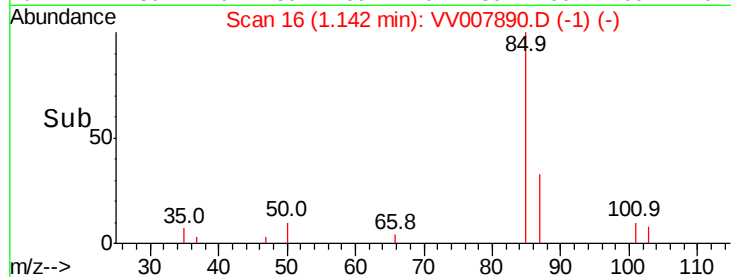
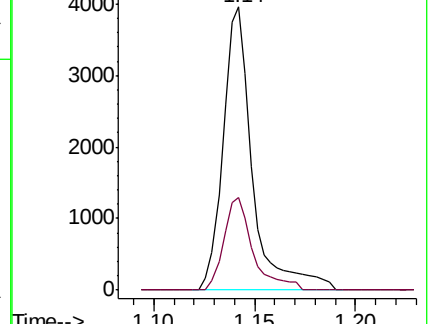
85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007892.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007892.D (-8) (-)



#3

Chloromethane

Concen: 0.588 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007890.D

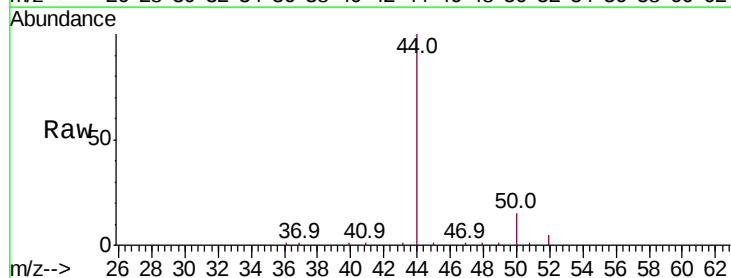
Acq: 26 Sep 2018 18:34

Tgt Ion: 50 Resp: 3536

Ion Ratio Lower Upper

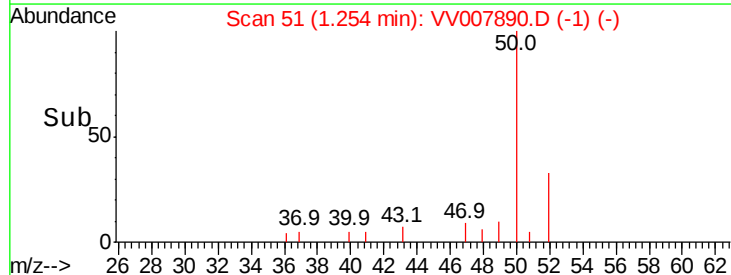
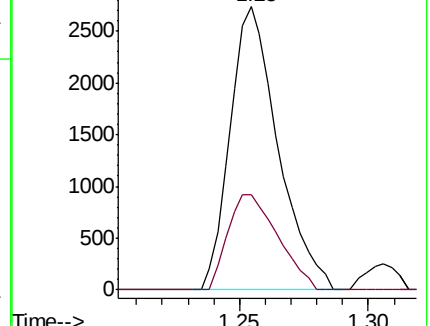
50 100

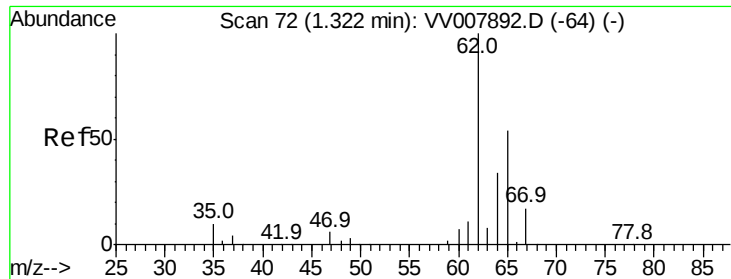
52 33.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007892.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007892.D (-43) (-)

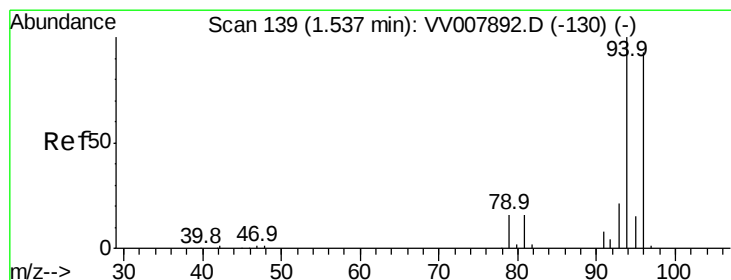
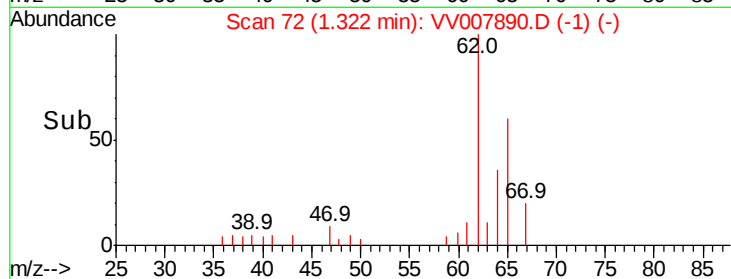
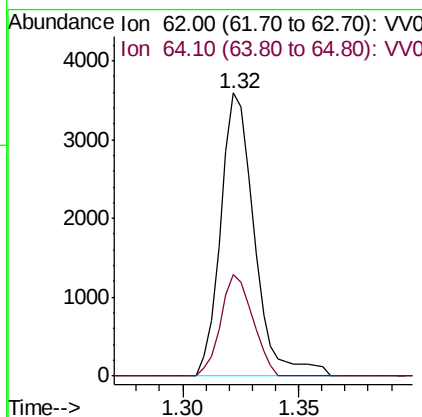
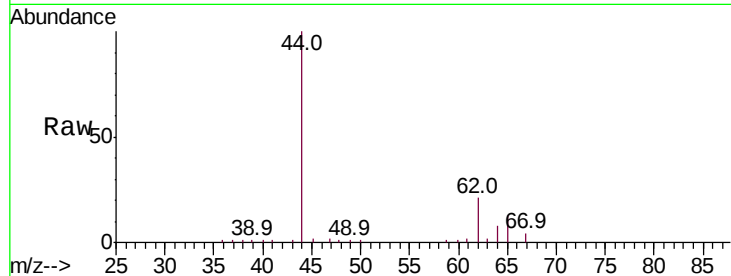




#5
 Vinyl chloride
 Concen: 0.532 ug/L
 RT: 1.32 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

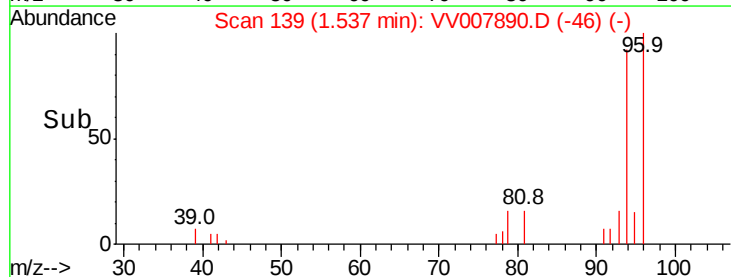
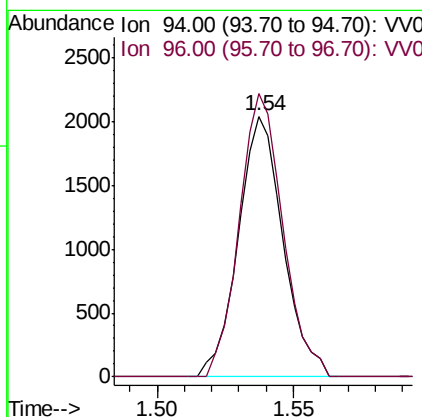
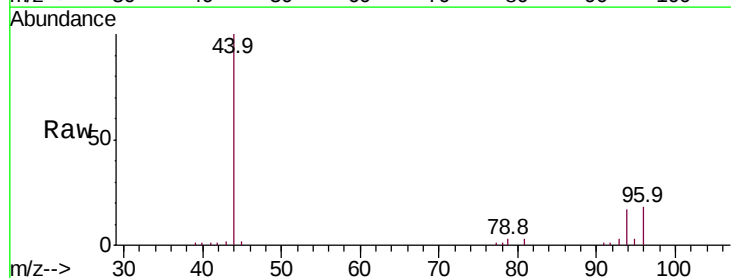
Instrument :
 MSVOA_V
 ClientSampleId :

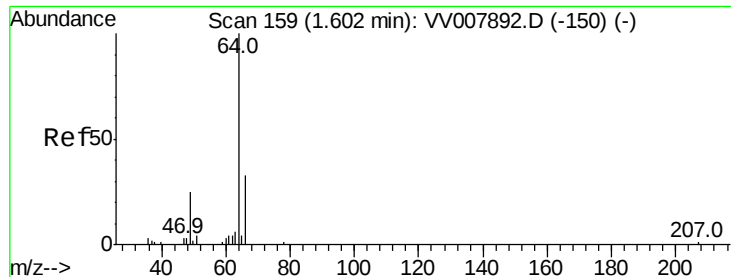
Tot Ion: 62 Resp: 3635
 Ion Ratio Lower Upper
 62 100
 64 35.7 24.0 44.6



#6
 Bromomethane
 Concen: 0.516 ug/L
 RT: 1.54 min Scan# 139
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 94 Resp: 2316
 Ion Ratio Lower Upper
 94 100
 96 108.5 65.2 121.2





#8

Chloroethane

Concen: 0.527 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

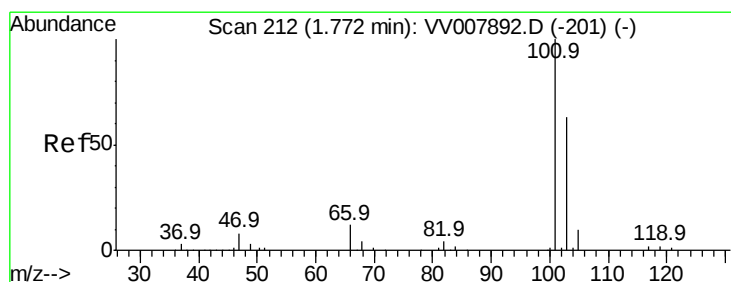
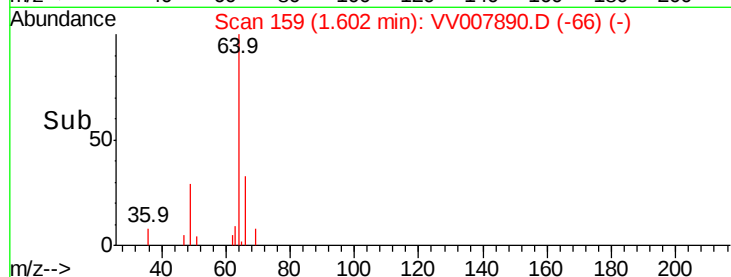
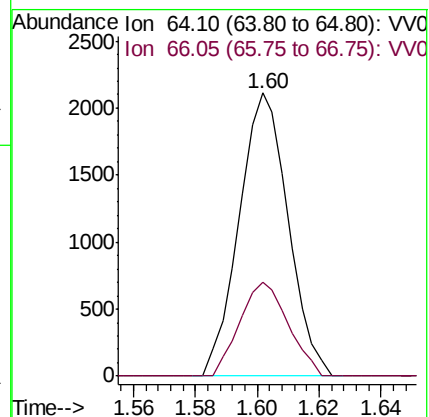
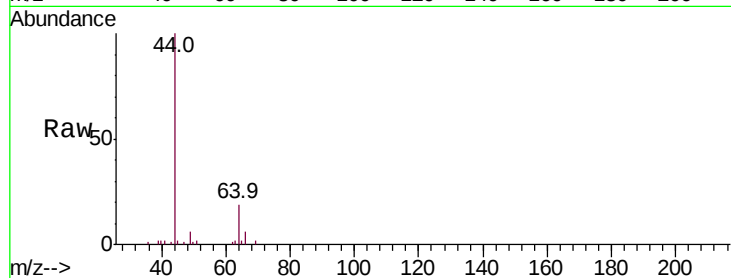
ClientSampleId :

Tot Ion: 64 Resp: 2326

Ion Ratio Lower Upper

64 100

66 33.4 23.1 42.9



#9

Trichlorofluoromethane

Concen: 0.447 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007890.D

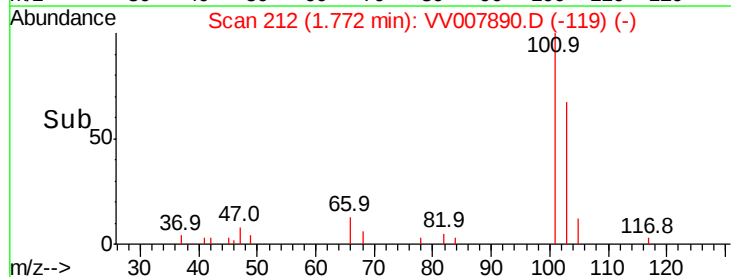
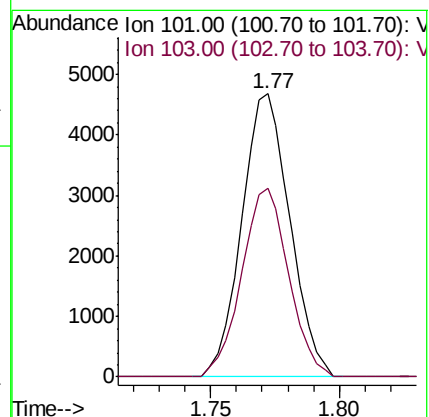
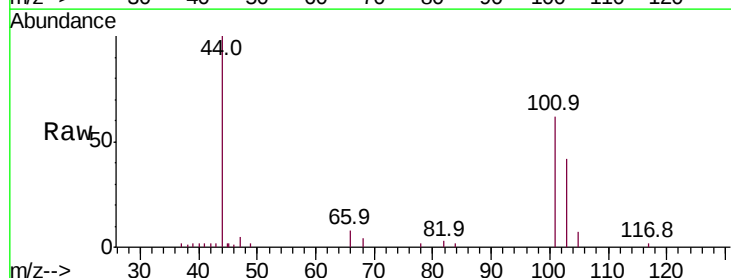
Acq: 26 Sep 2018 18:34

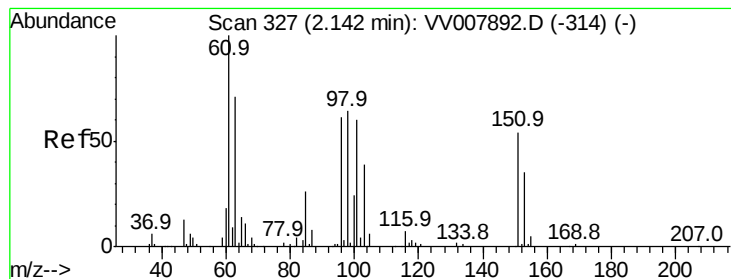
Tgt Ion: 101 Resp: 6091

Ion Ratio Lower Upper

101 100

103 65.1 51.5 77.3





#10

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

Concen: 0.468 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_V
ClientSampled :

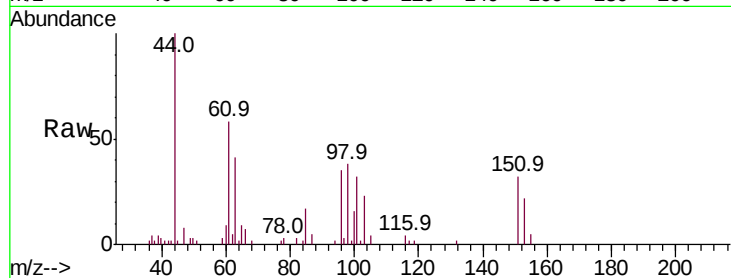
Tot Ion:101 Resp: 3486

Ion Ratio Lower Upper

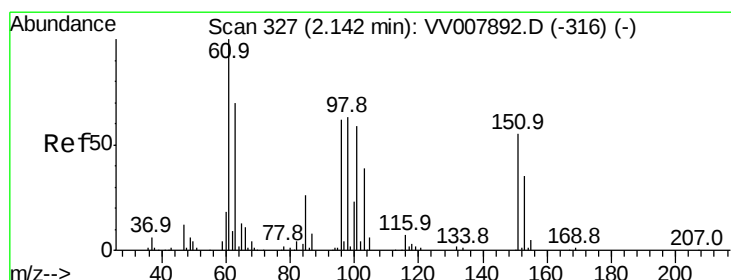
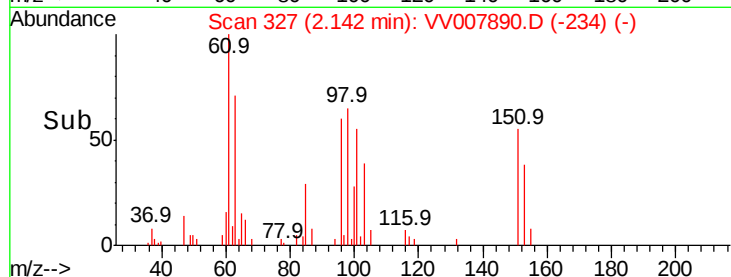
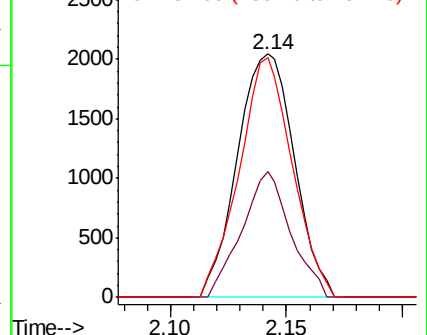
101 100

85 44.4 34.7 52.1

151 91.9 72.2 108.2



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: 0.471 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

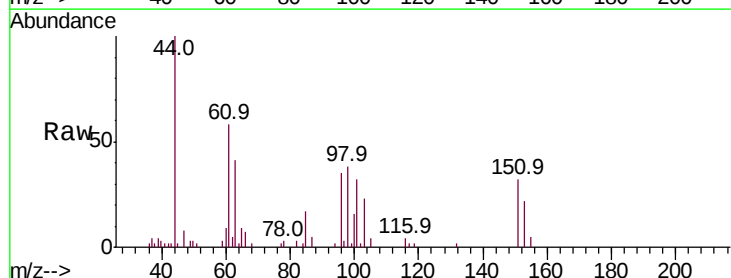
Tgt Ion: 96 Resp: 3102

Ion Ratio Lower Upper

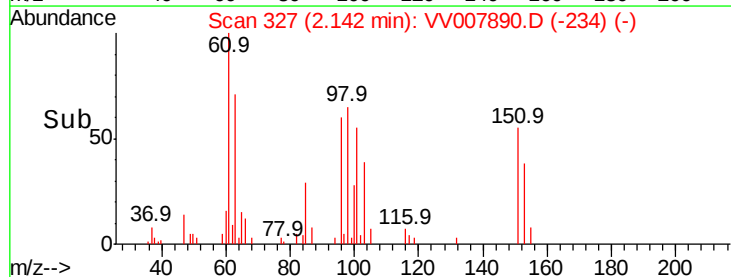
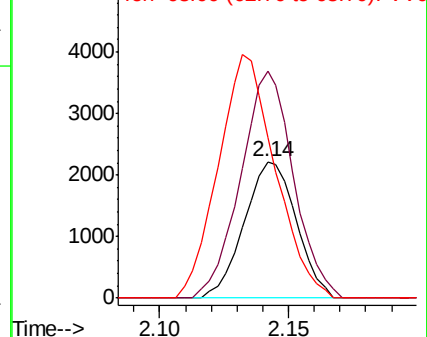
96 100

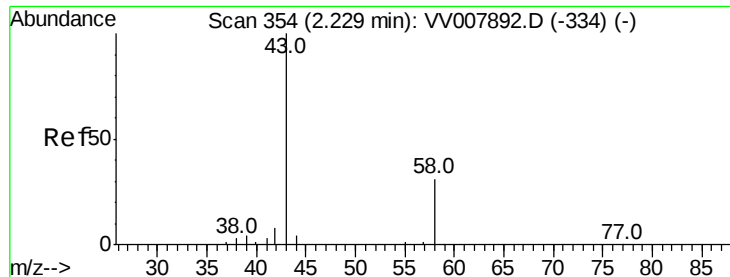
61 166.8 114.1 211.9

63 118.0 81.5 151.3



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: 6.205 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

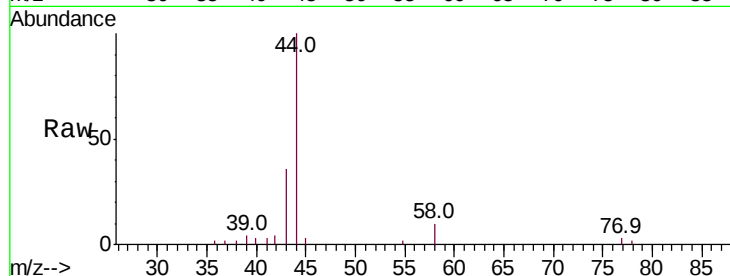
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5955

Ion Ratio Lower Upper

43 100

58 28.3 0.0 62.0



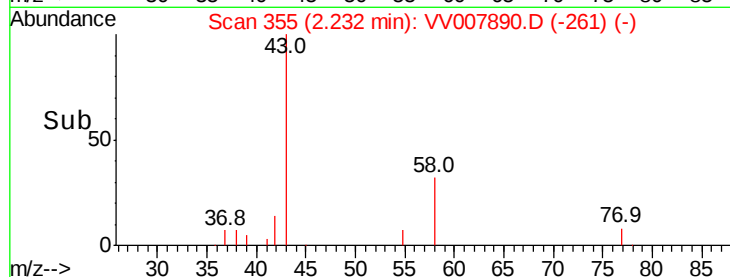
Abundance Ion 43.05 (42.75 to 43.75): VV007890.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV007890.D (-261) (-)

2.23

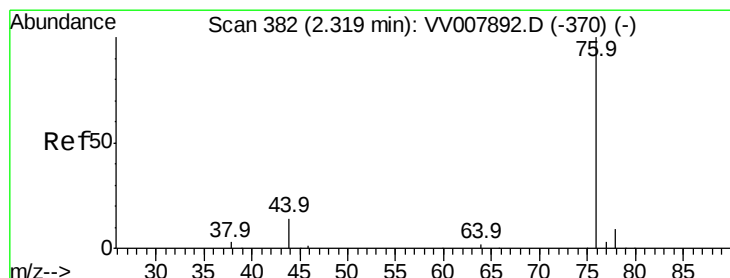
2.20 2.30

Time-->



2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 0.519 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007890.D

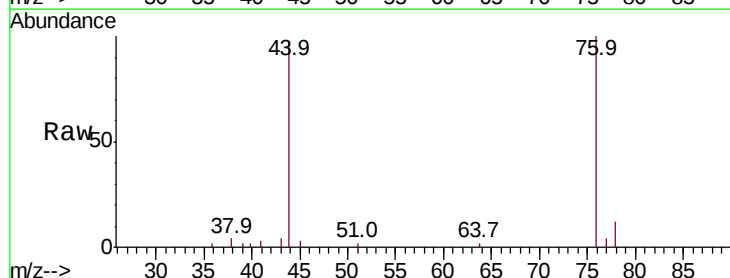
Acq: 26 Sep 2018 18:34

Tgt Ion: 76 Resp: 9050

Ion Ratio Lower Upper

76 100

78 11.8 7.2 10.8#



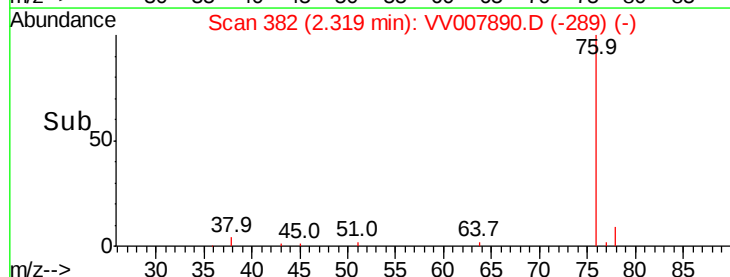
Abundance Ion 76.05 (75.75 to 76.75): VV007890.D (-289) (-)

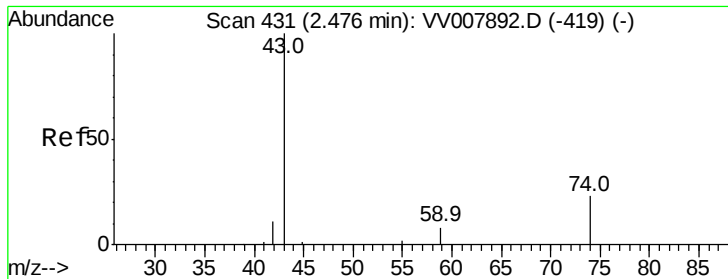
Ion 78.00 (77.70 to 78.70): VV007890.D (-289) (-)

2.32

2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 0.680 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

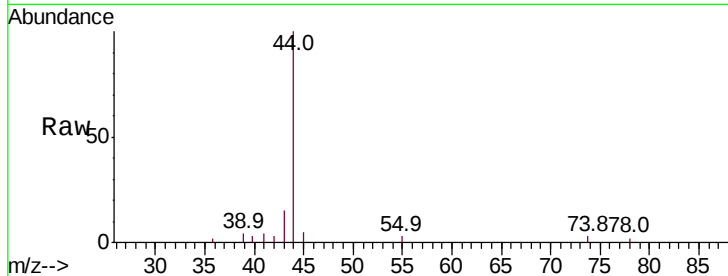
ClientSampled :

Tot Ion: 43 Resp: 1575

Ion Ratio Lower Upper

43 100

74 8.1 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV007890.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV007890.D (-419) (-)

2.48

800

600

400

200

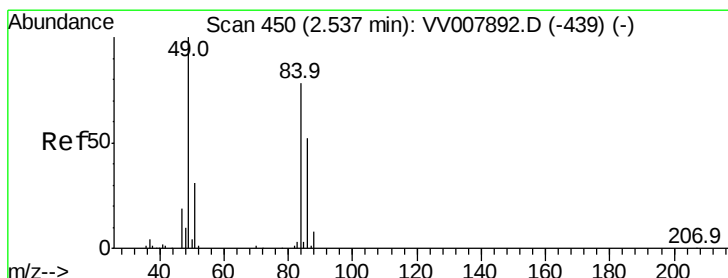
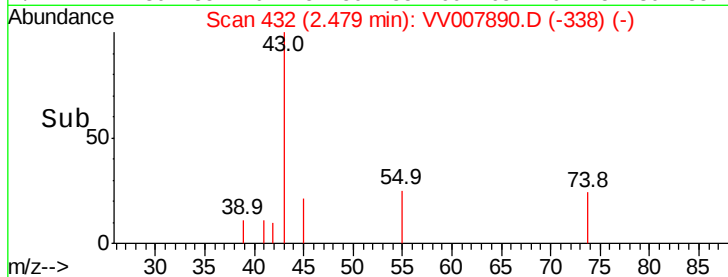
0

2.45

2.50

2.55

Time-->



#16

Methylene chloride

Concen: 0.592 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

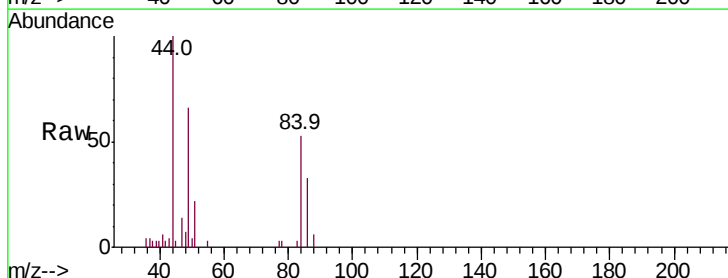
Tgt Ion: 84 Resp: 4012

Ion Ratio Lower Upper

84 100

86 62.1 47.3 87.8

49 124.1 90.0 167.2



Abundance Ion 84.05 (83.75 to 84.75): VV007890.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV007890.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV007890.D (-357) (-)

4000

3000

2000

1000

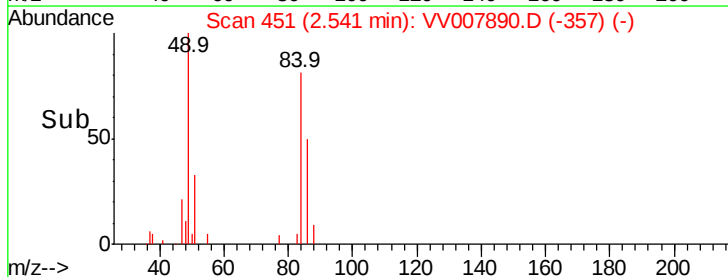
0

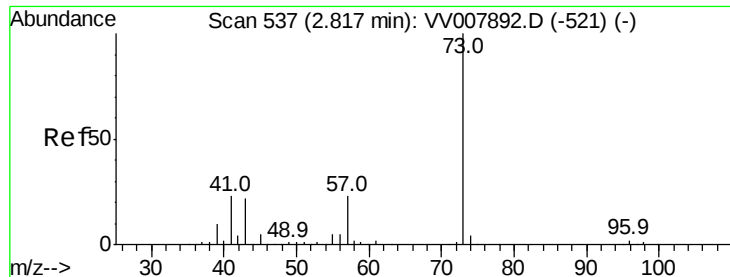
2.50

2.55

2.60

Time-->

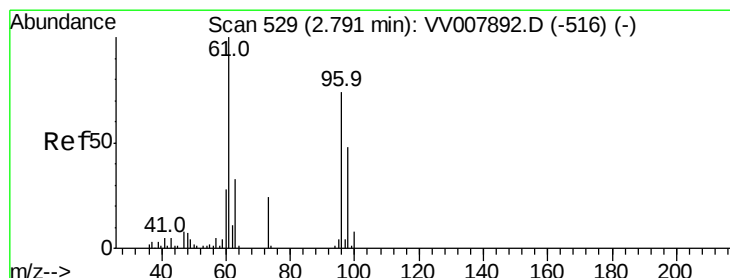
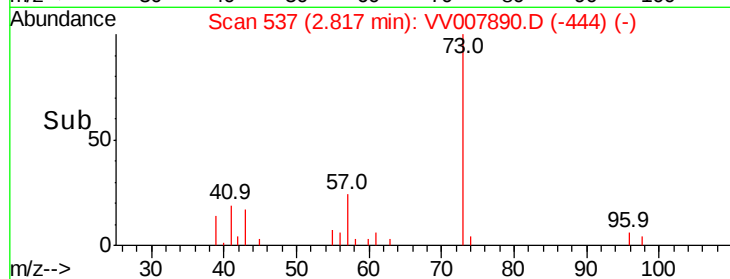
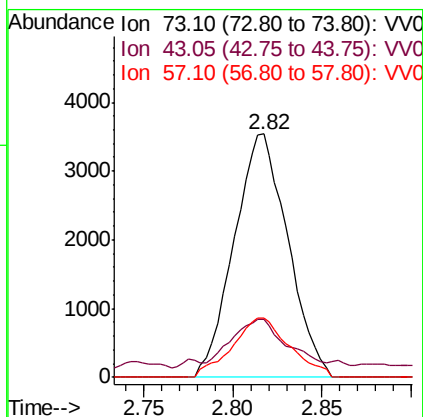
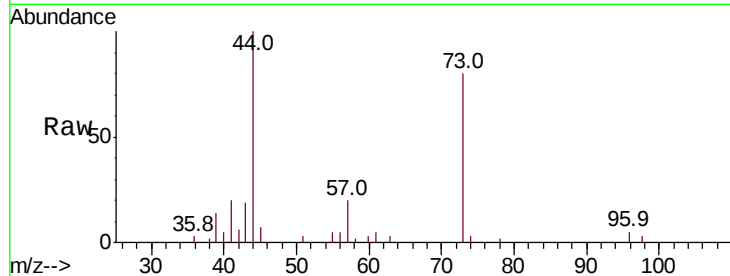




#17
Methvl tert-butvl Ether
Concen: 0.479 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

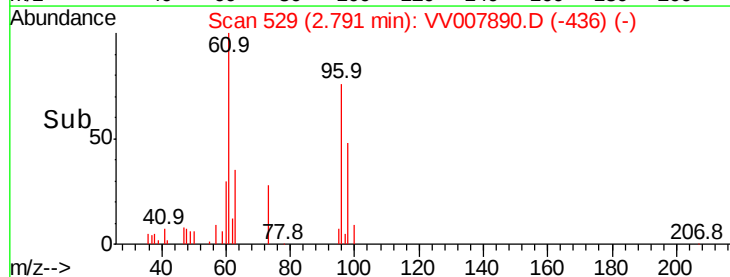
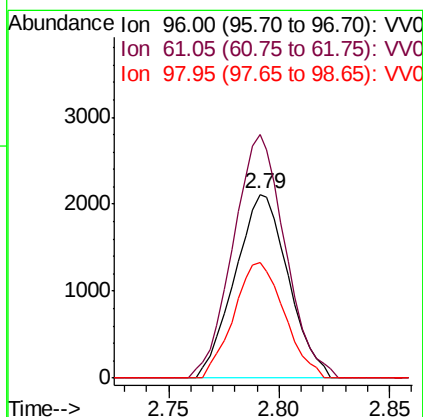
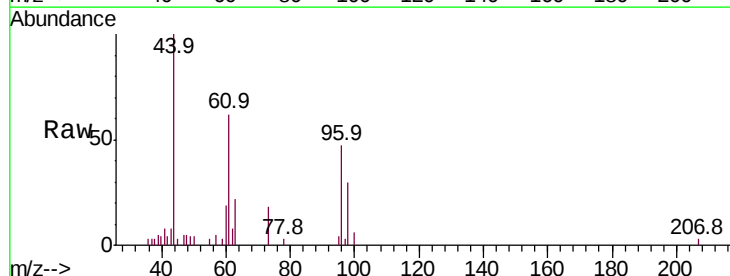
Instrument :
MSVOA_V
ClientSampleId :

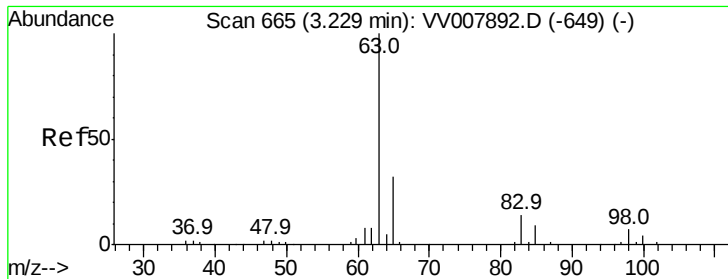
Tot Ion: 73 Resp: 7428
Ion Ratio Lower Upper
73 100
43 19.3 16.8 25.2
57 26.2 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.491 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 96 Resp: 3544
Ion Ratio Lower Upper
96 100
61 132.3 94.2 175.0
98 62.9 44.9 83.5

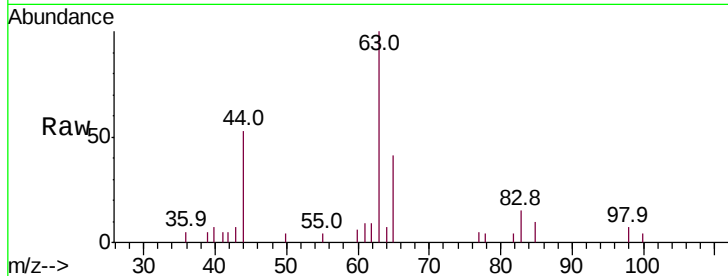




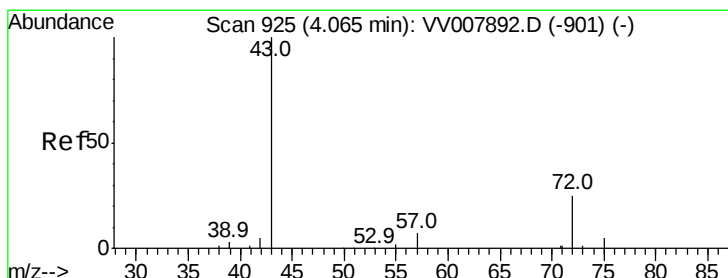
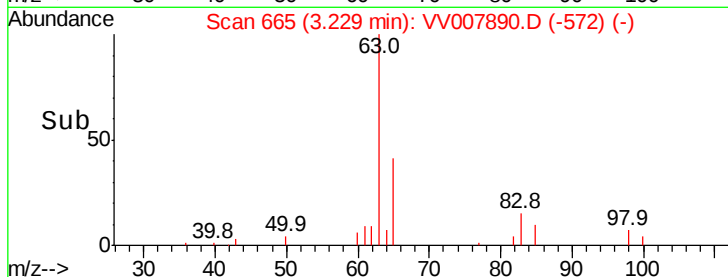
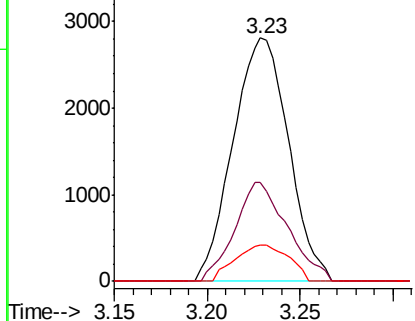
#19
 1,1-Dichloroethane
 Concen: 0.571 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 5851
 Ion Ratio Lower Upper
 63 100
 65 40.9 22.3 41.5
 83 15.1 9.8 18.2

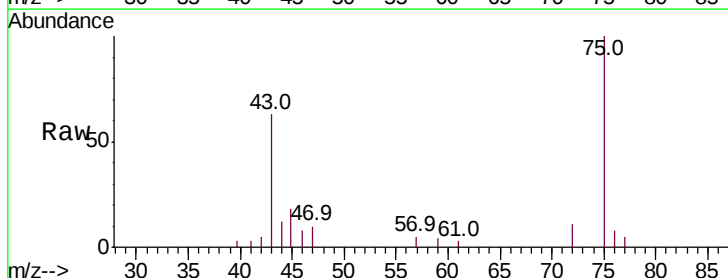


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

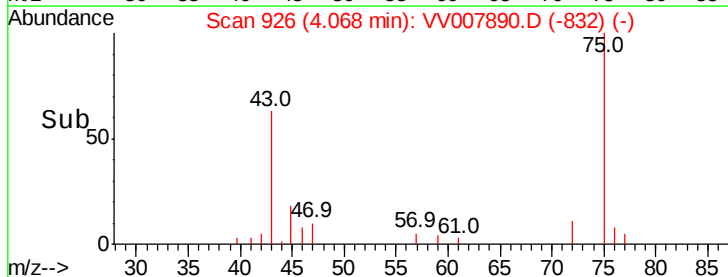
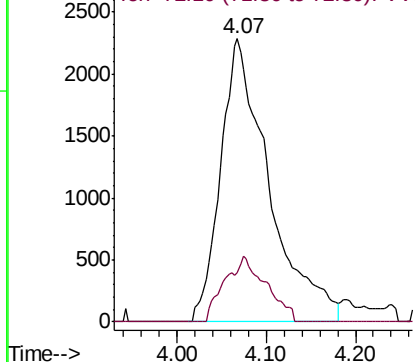


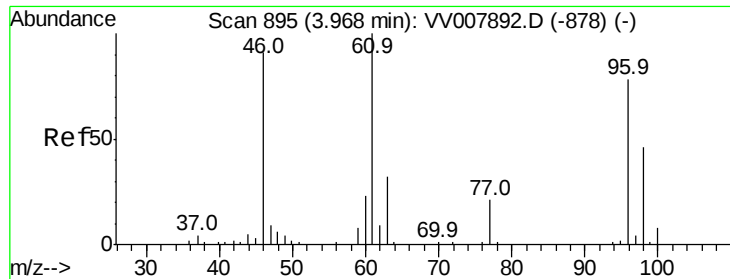
#21
 2-Butanone
 Concen: 6.761 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 43 Resp: 8604
 Ion Ratio Lower Upper
 43 100
 72 19.9 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



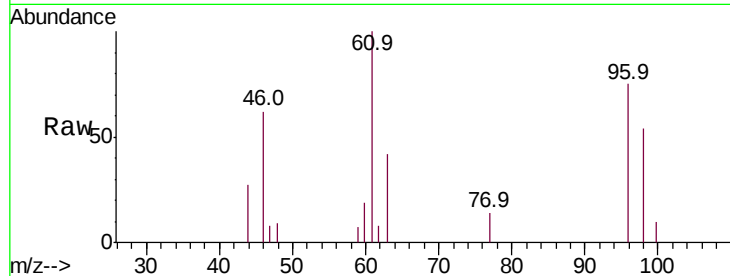


#22

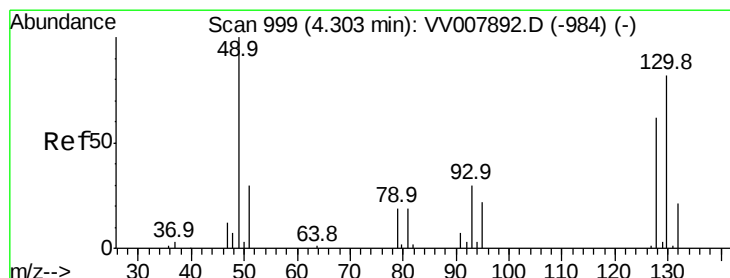
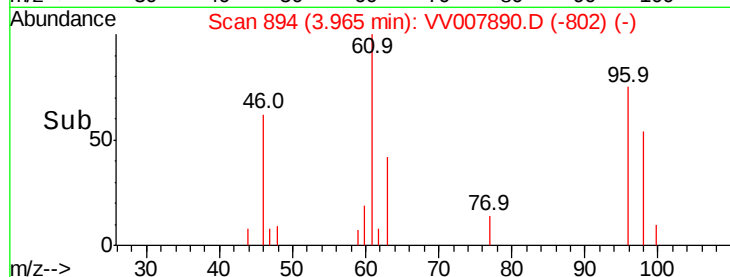
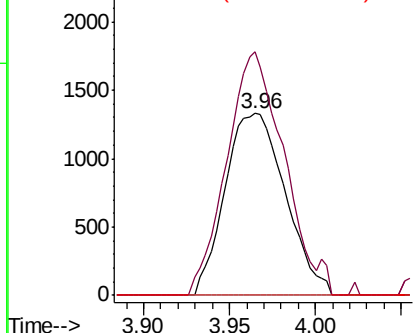
cis-1,2-Dichloroethene
Concen: 0.495 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 3265
Ion Ratio Lower Upper
96 100
61 134.1 89.5 166.1
68 0.0 0.0 0.0



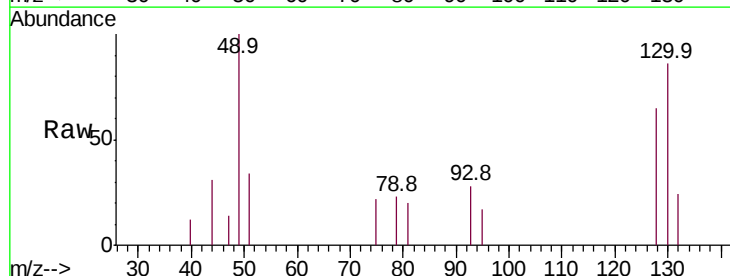
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



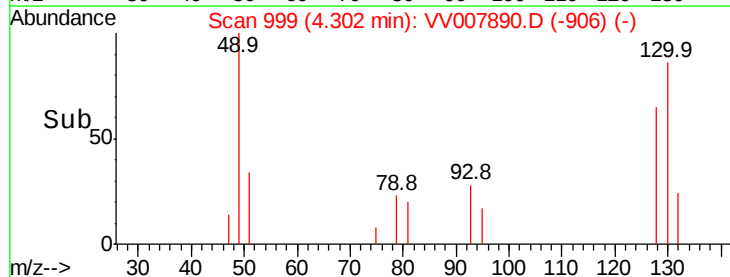
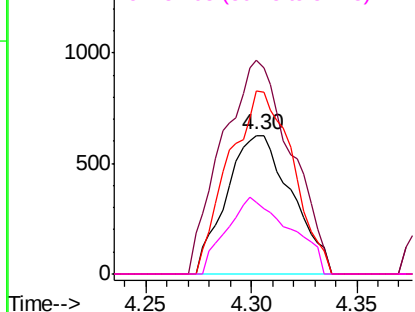
#23

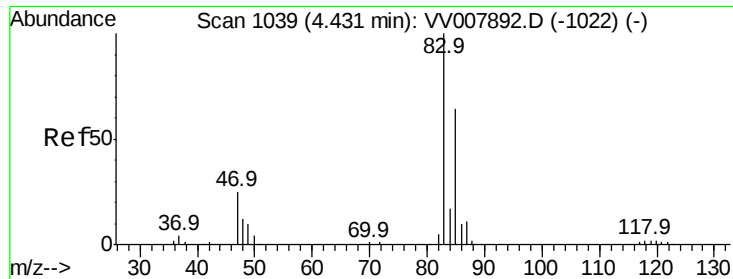
Bromochloromethane
Concen: 0.454 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 128 Resp: 1350
Ion Ratio Lower Upper
128 100
49 153.8 112.8 209.4
130 131.7 92.3 171.5
51 52.1 38.4 57.6



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

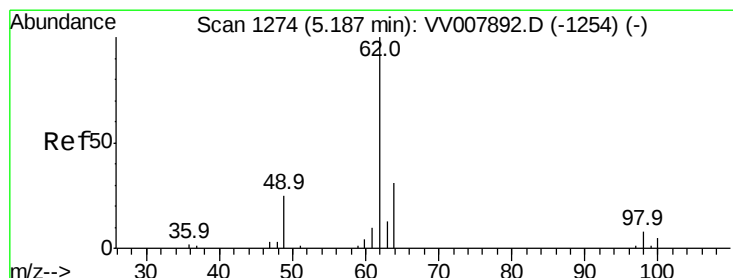
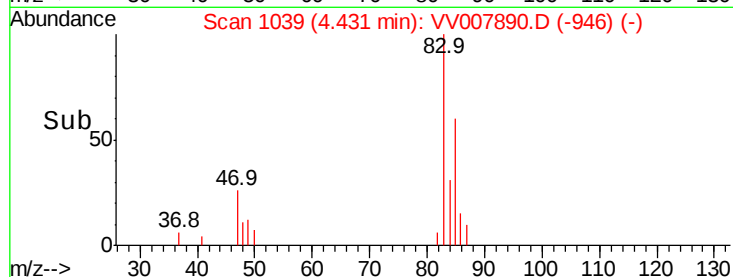
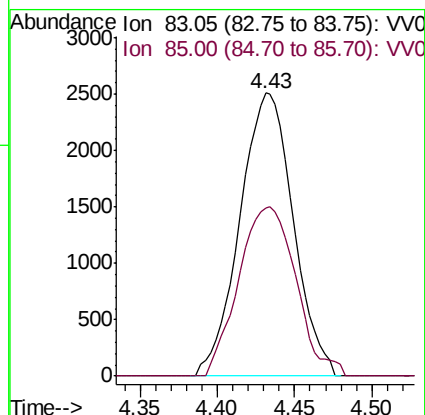
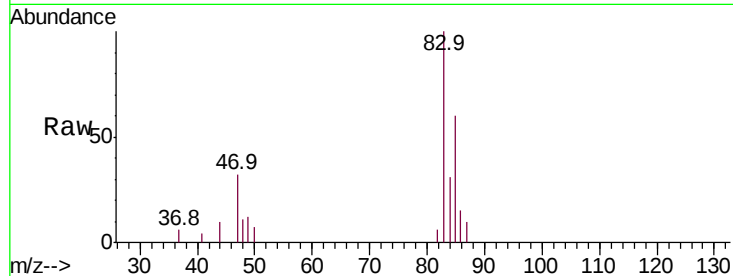




#25
Chloroform
Concen: 0.546 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

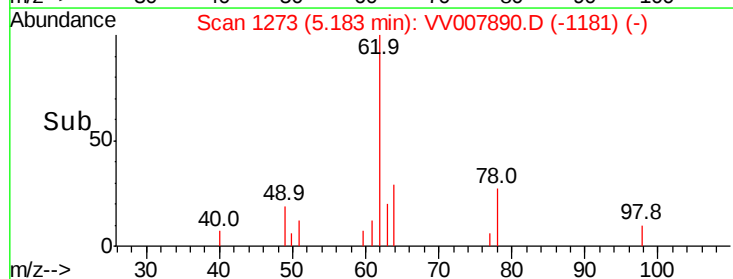
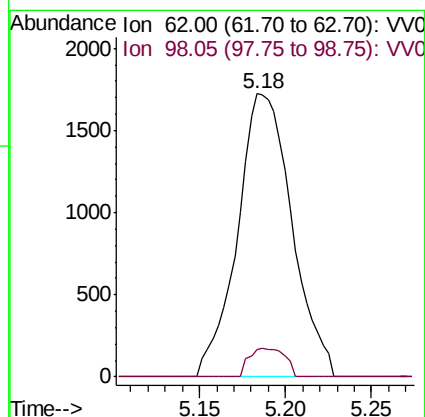
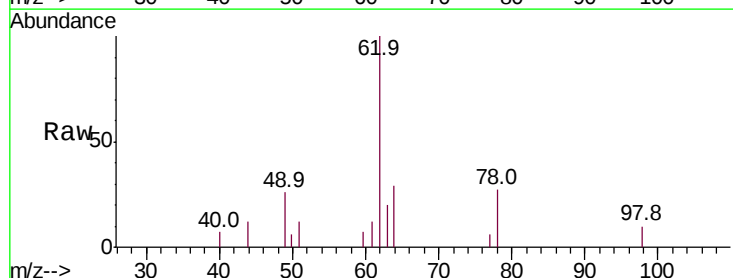
Instrument :
MSVOA_V
ClientSampleId :

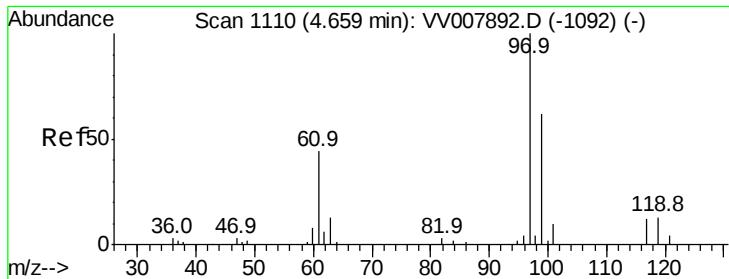
Tot Ion: 83 Resp: 6017
Ion Ratio Lower Upper
83 100
85 59.5 44.8 83.2



#27
1,2-Dichloroethane
Concen: 0.562 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 62 Resp: 3794
Ion Ratio Lower Upper
62 100
98 9.8 6.6 10.0

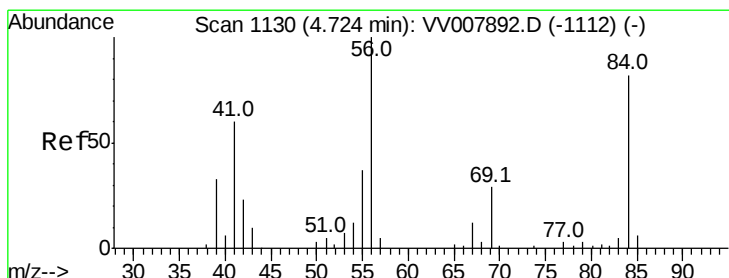
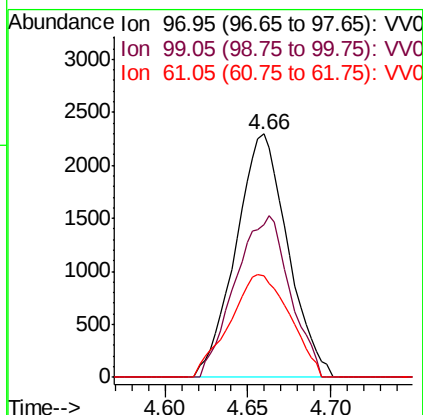
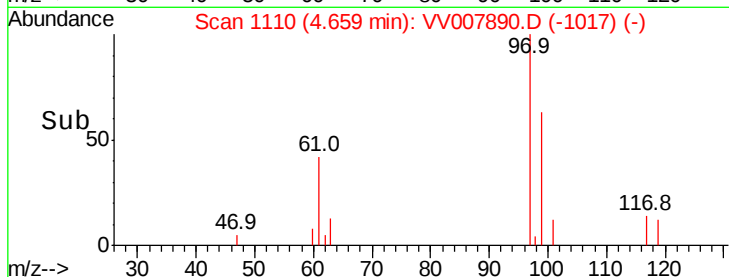
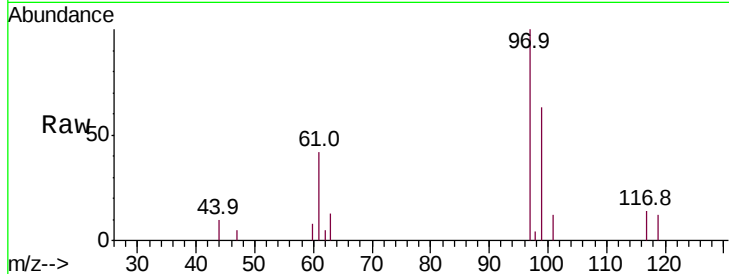




#29
 1,1,1-Trichloroethane
 Concen: 0.483 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

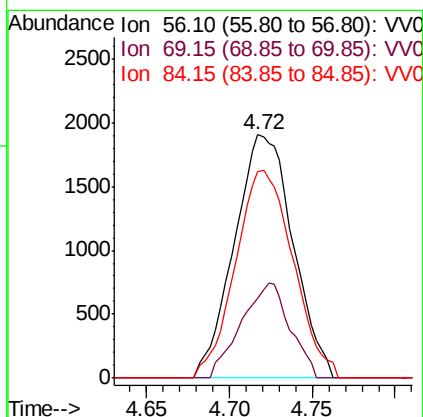
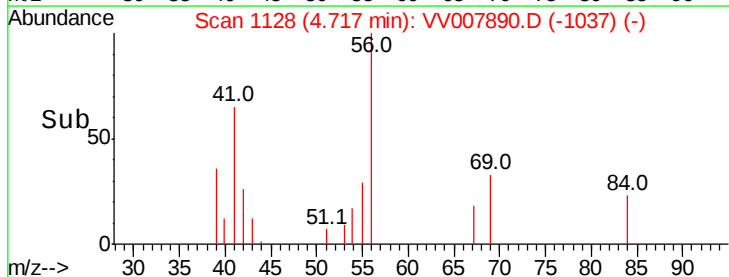
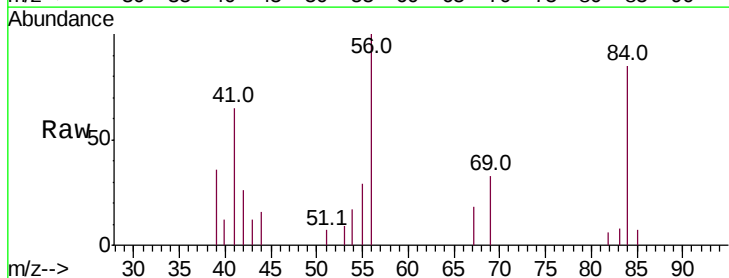
Instrument :
 MSVOA_V
 ClientSampleId :

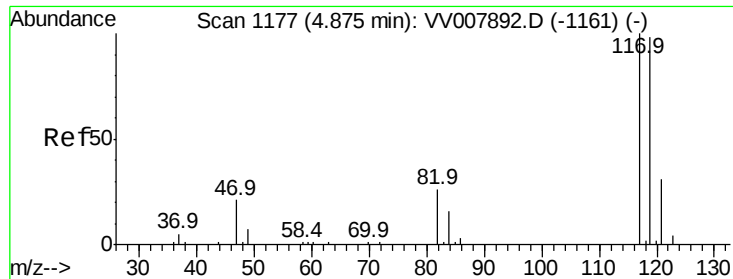
Tot Ion	Ratio	Lower	Upper
97	100		
99	69.9	51.2	76.8
61	48.5	34.6	52.0



#30
 Cyclohexane
 Concen: 0.517 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.2	36.4
84	83.9	69.8	104.8





#31

Carbon tetrachloride

Concen: 0.463 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

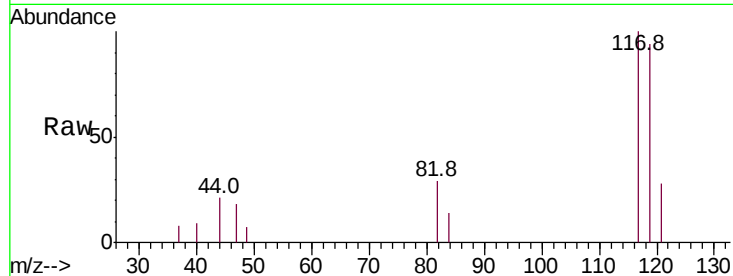
ClientSampleId :

Tot Ion:117 Resp: 4353

Ion Ratio Lower Upper

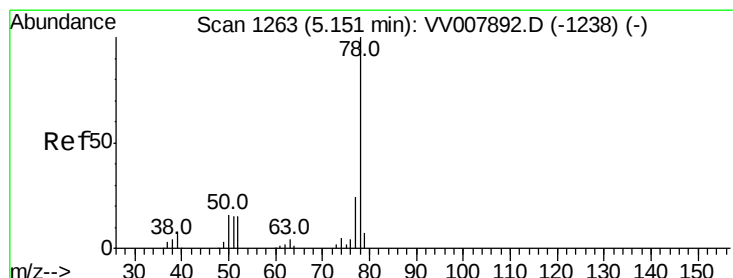
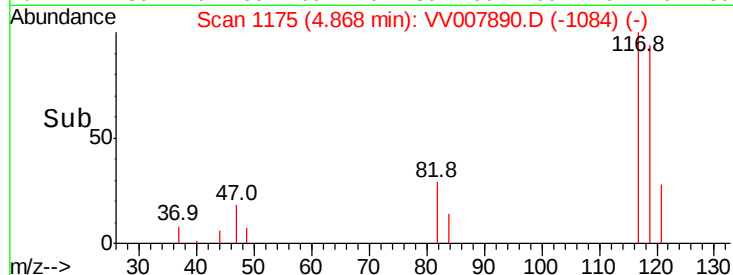
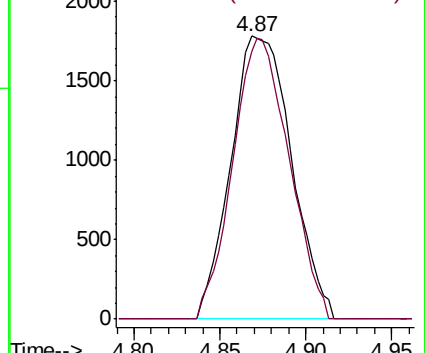
117 100

119 92.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.515 ug/L

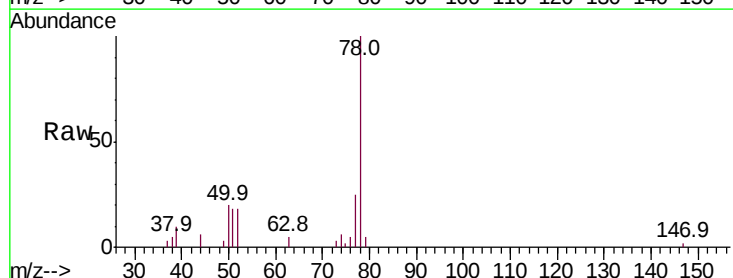
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

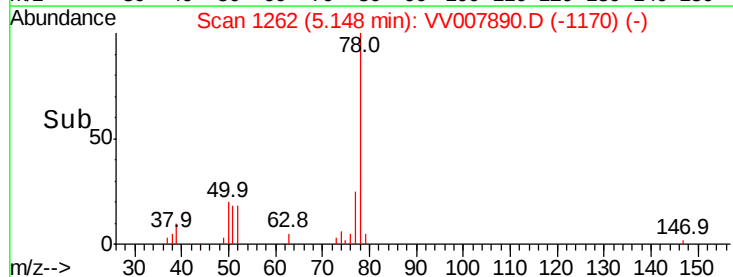
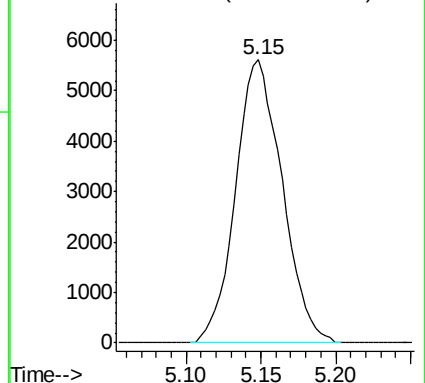
Lab File: VV007890.D

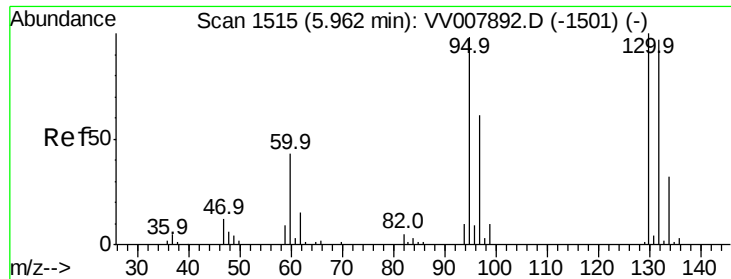
Acq: 26 Sep 2018 18:34

Tgt Ion: 78 Resp: 12167



Abundance Ion 78.10 (77.80 to 78.80): VV0

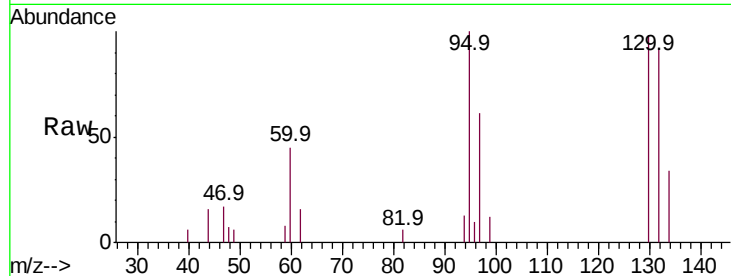




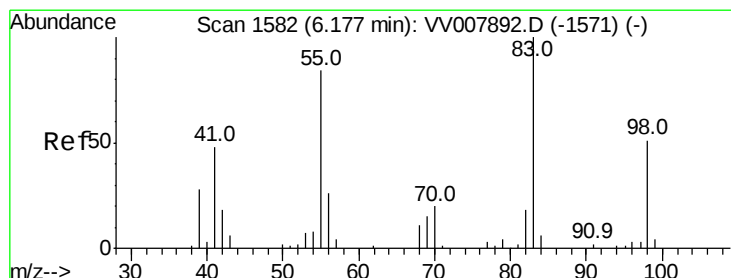
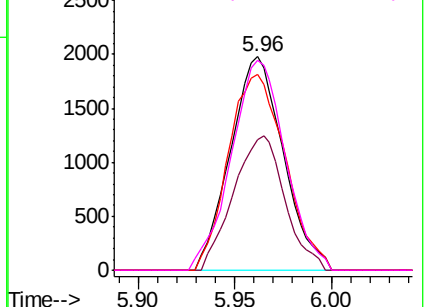
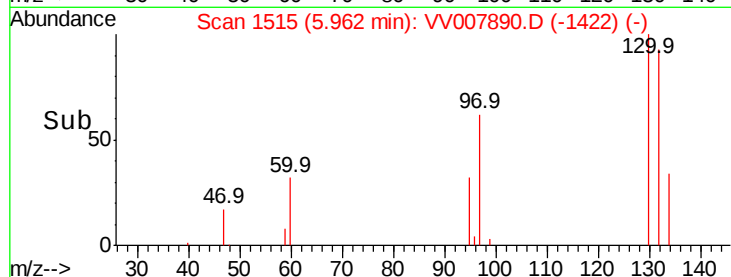
#34
 Trichloroethene
 Concen: 0.549 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3772
 Ion Ratio Lower Upper
 95 100
 97 61.2 43.6 81.0
 132 91.9 69.9 129.9
 130 98.4 71.7 133.3

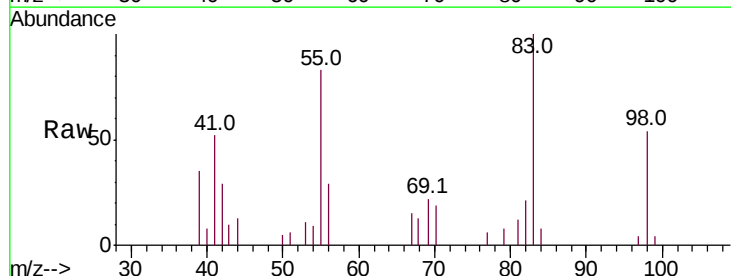


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

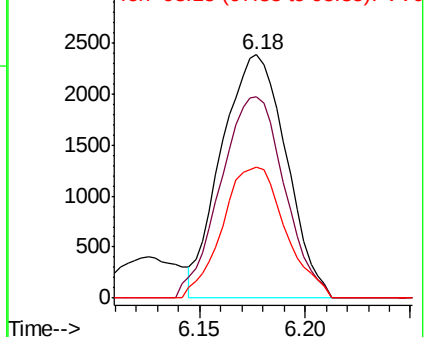
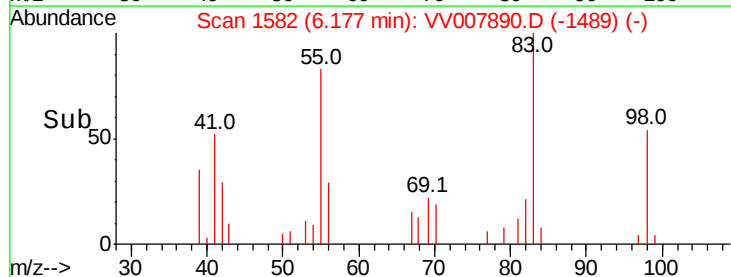


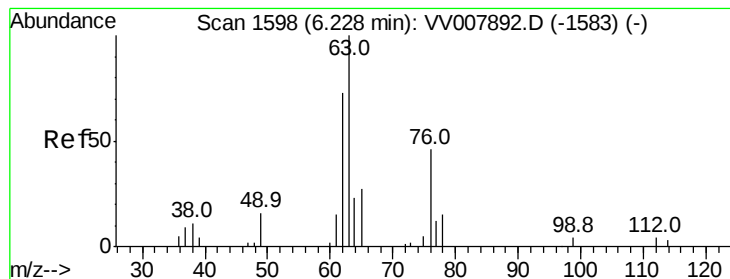
#35
 Methylcyclohexane
 Concen: 0.481 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion: 83 Resp: 5079
 Ion Ratio Lower Upper
 83 100
 55 81.8 62.2 93.2
 98 52.3 38.0 57.0



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: 0.545 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

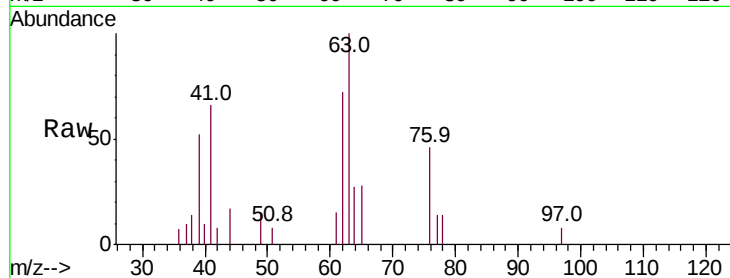
ClientSampleId :

Tot Ion: 63 Resp: 3130

Ion Ratio Lower Upper

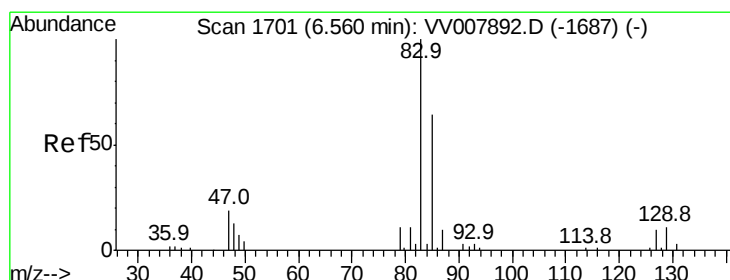
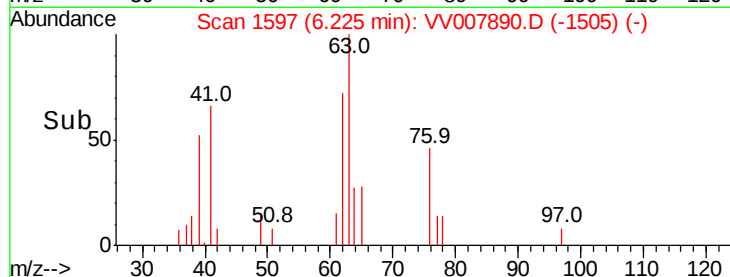
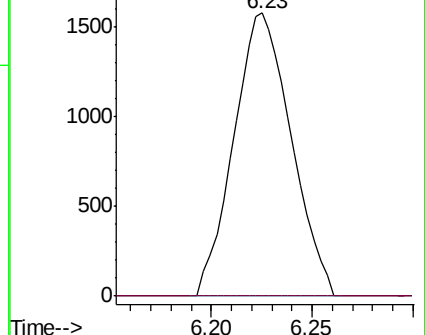
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007890.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007890.D (-1583) (-)



#38

Bromodichloromethane

Concen: 0.453 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

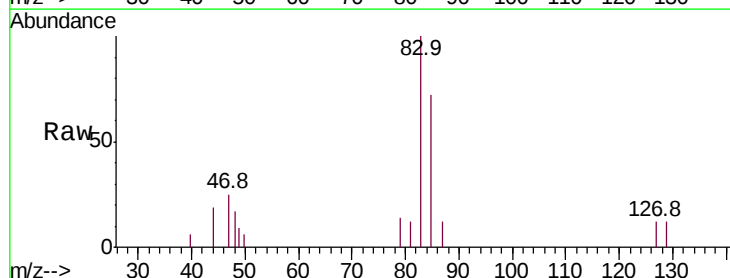
Tgt Ion: 83 Resp: 3367

Ion Ratio Lower Upper

83 100

85 71.7 44.7 82.9

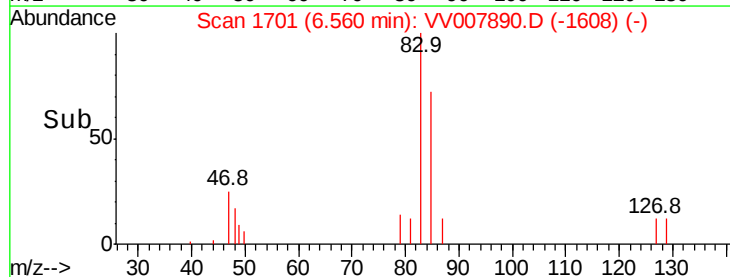
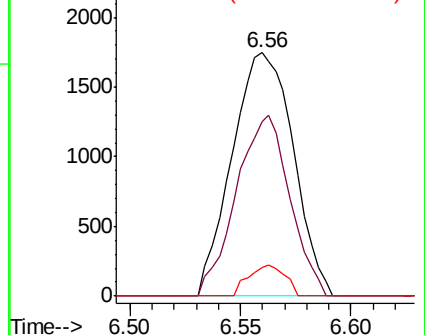
127 11.8 7.8 11.6#

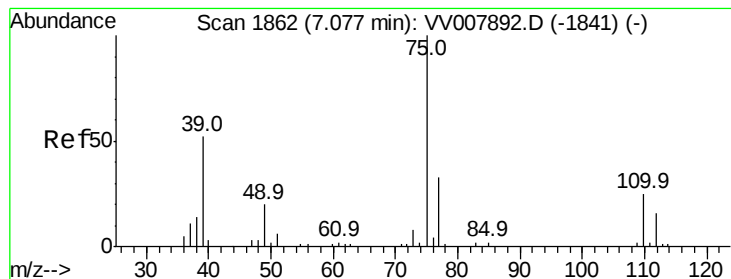


Abundance Ion 82.95 (82.65 to 83.65): VV007890.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV007890.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV007890.D (-1687) (-)



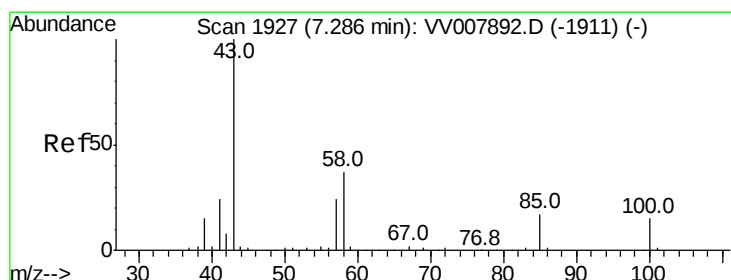
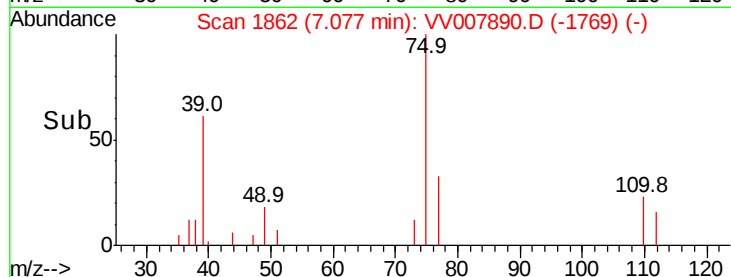
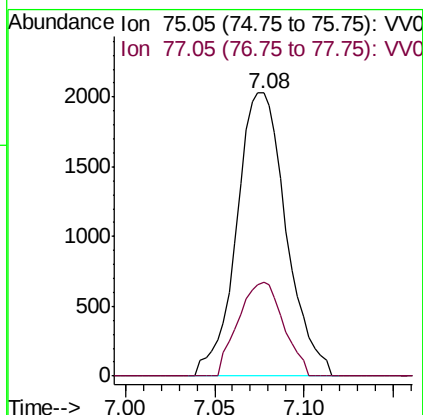
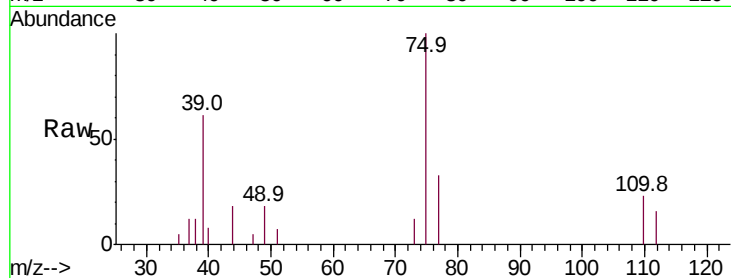


#39

cis-1,3-Dichloropropene
Concen: 0.483 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_V
ClientSampled :

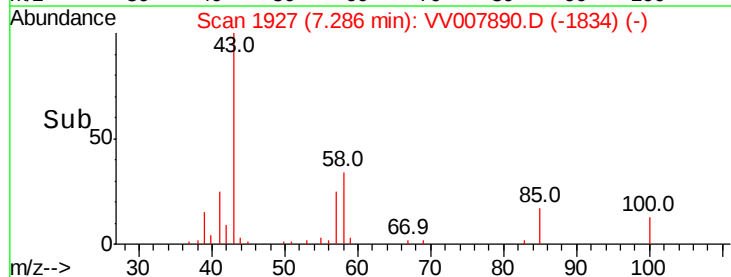
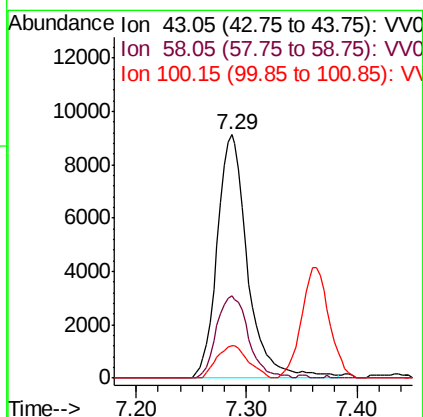
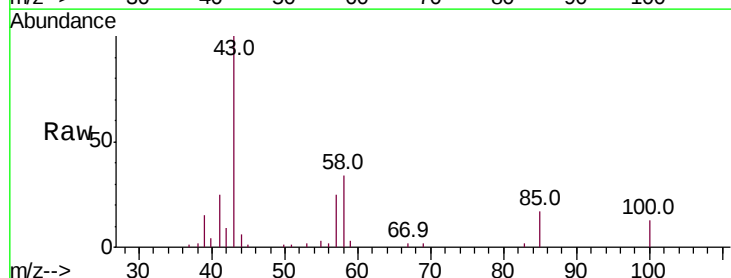
Tot Ion: 75 Resp: 3935
Ion Ratio Lower Upper
75 100
77 33.2 22.9 42.5

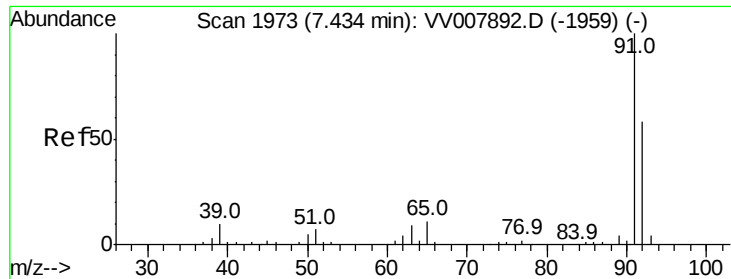


#40

4-Methyl-2-pentanone
Concen: 5.449 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 43 Resp: 17433
Ion Ratio Lower Upper
43 100
58 35.2 29.4 44.0
100 13.8 11.5 17.3





#42

Toluene

Concen: 0.480 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

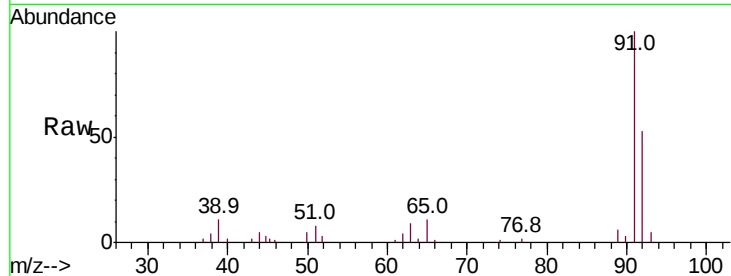
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 12753

Ion Ratio Lower Upper

91 100

92 53.4 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007890.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007890.D (-1959) (-)

7.43

8000

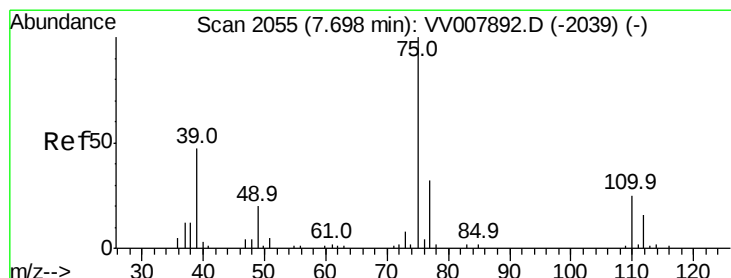
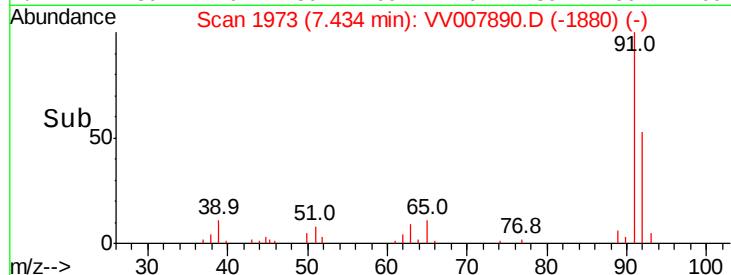
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.458 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007890.D

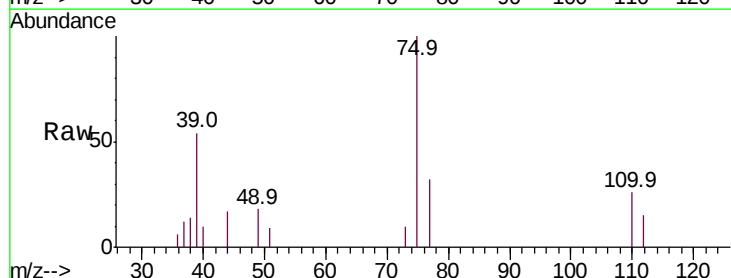
Acq: 26 Sep 2018 18:34

Tgt Ion: 75 Resp: 3045

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007890.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007890.D (-2039) (-)

7.70

2000

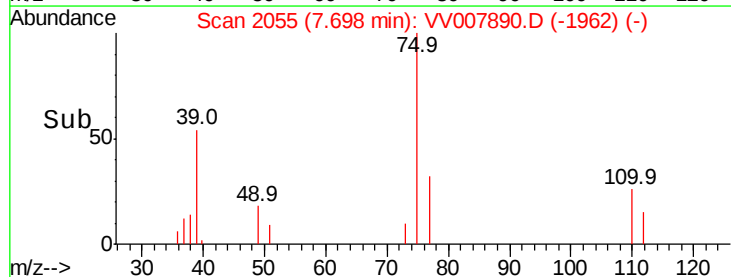
1500

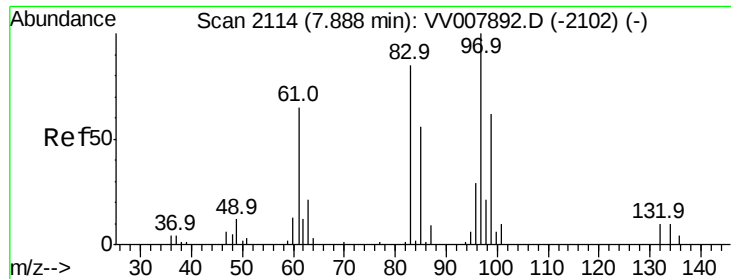
1000

500

0

Time-->

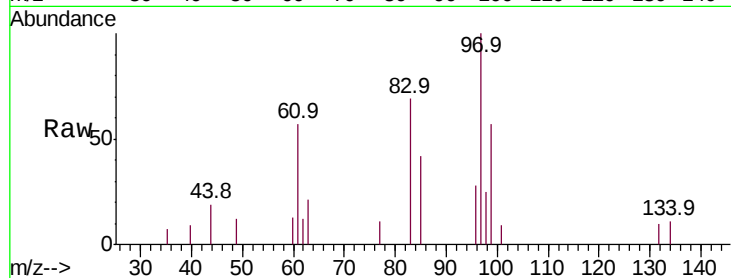




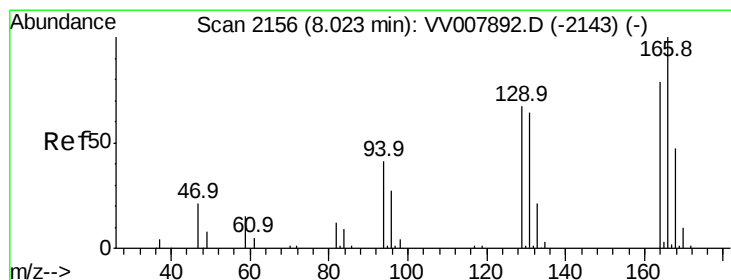
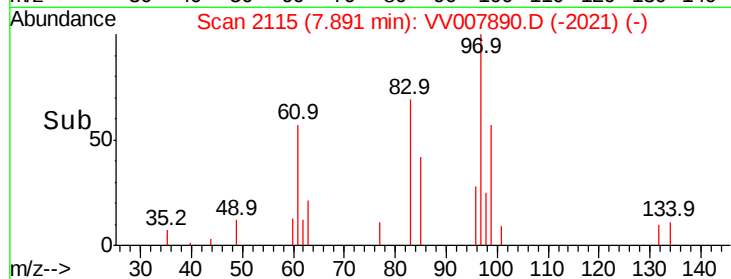
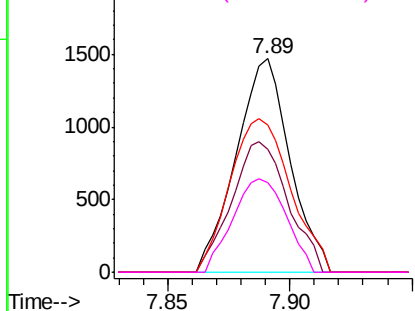
#45
1,1,2-Trichloroethane
Concen: 0.517 ug/L
RT: 7.89 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 2246
Ion Ratio Lower Upper
97 100
99 57.3 43.5 80.9
83 69.0 59.7 110.9
85 42.0 39.5 73.3

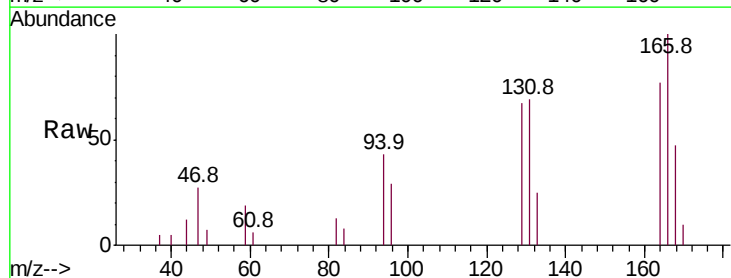


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

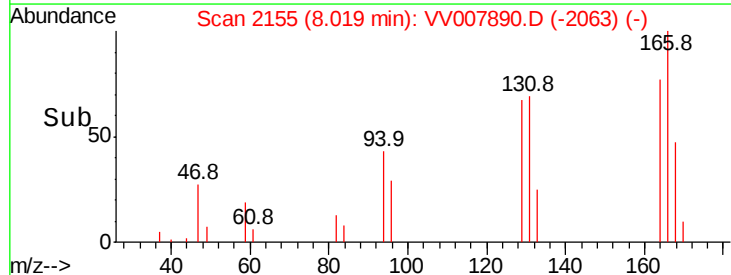
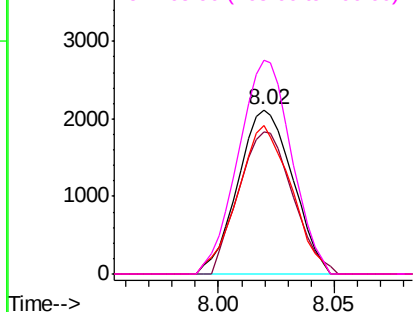


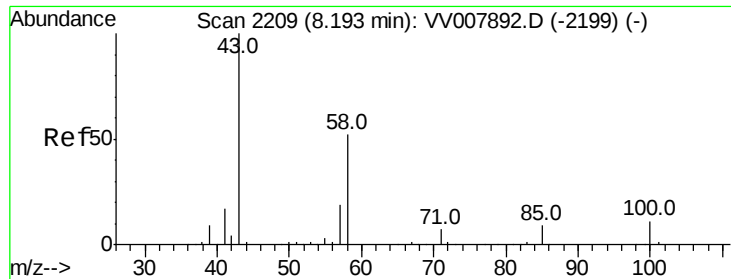
#47
Tetrachloroethene
Concen: 0.520 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 164 Resp: 3474
Ion Ratio Lower Upper
164 100
129 86.8 59.2 110.0
131 90.3 57.1 106.1
166 130.2 88.6 164.6



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

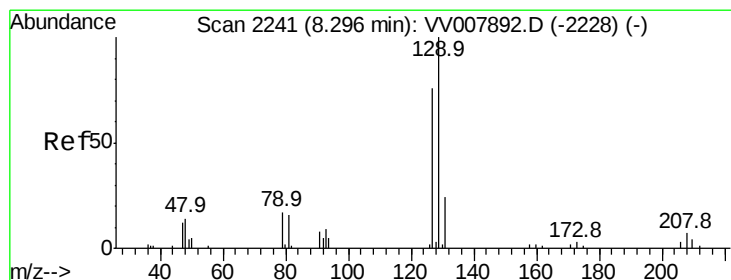
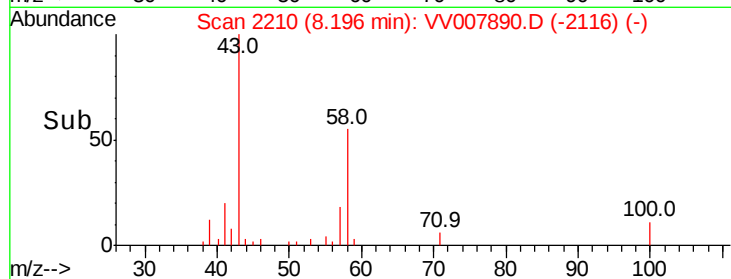
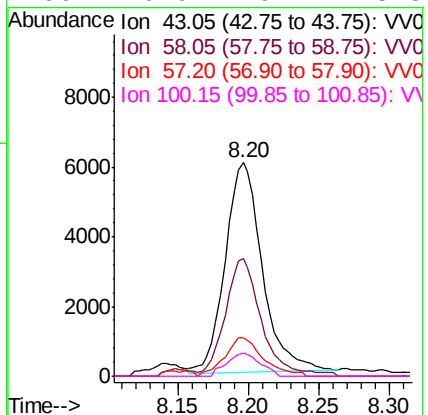
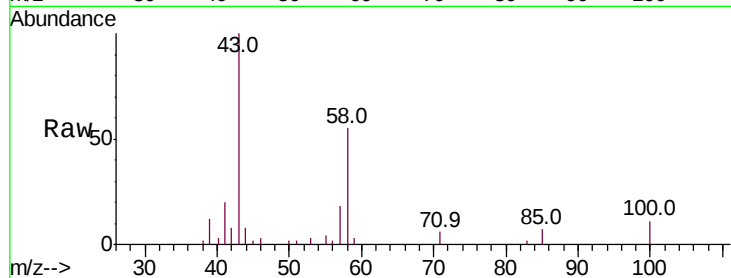




#48
2-Hexanone
Concen: 4.874 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

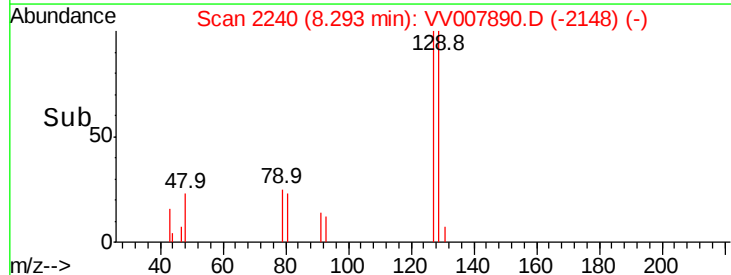
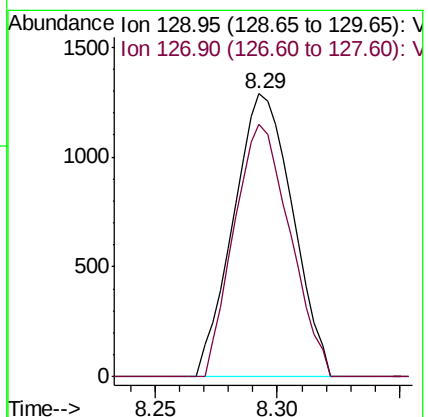
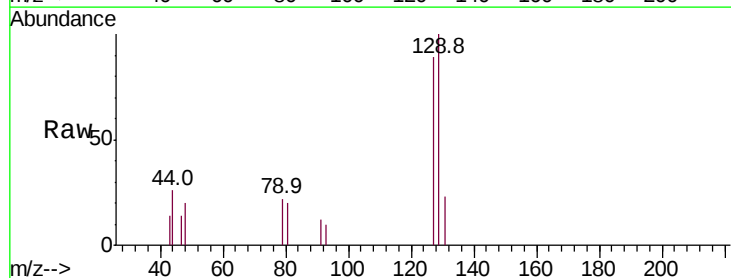
Instrument :
MSVOA_V
ClientSampled :

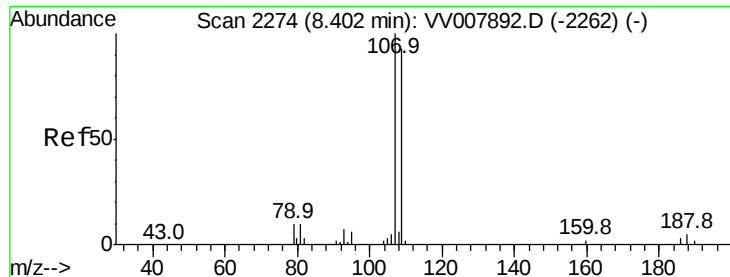
Tot Ion: 43 Resp: 11070
Ion Ratio Lower Upper
43 100
58 50.6 41.9 62.9
57 18.9 14.3 21.5
100 10.0 9.2 13.8



#49
Dibromochloromethane
Concen: 0.407 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007890.D
Acq: 26 Sep 2018 18:34

Tgt Ion: 129 Resp: 2164
Ion Ratio Lower Upper
129 100
127 89.1 53.1 98.5





#50

1,2-Dibromoethane

Concen: 0.440 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

ClientSampleId :

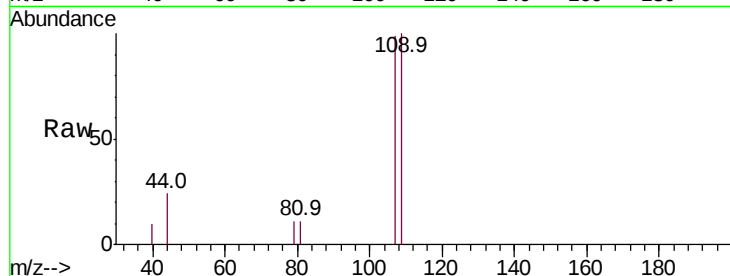
Tot Ion:107 Resp: 1807

Ion Ratio Lower Upper

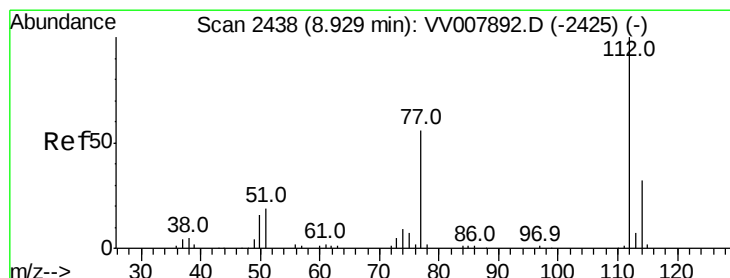
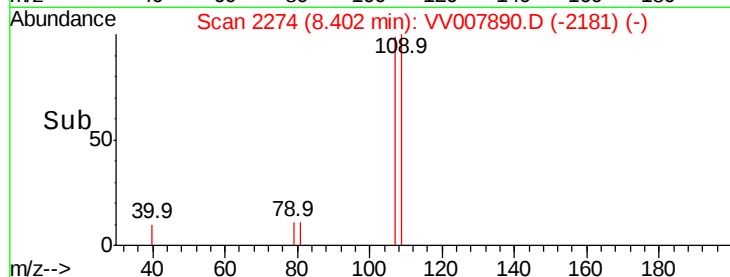
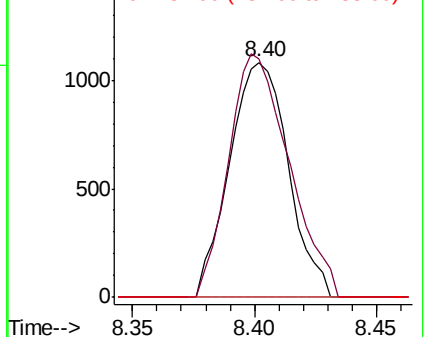
107 100

109 101.5 64.9 120.5

188 0.0 4.0 6.0#



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: 0.515 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

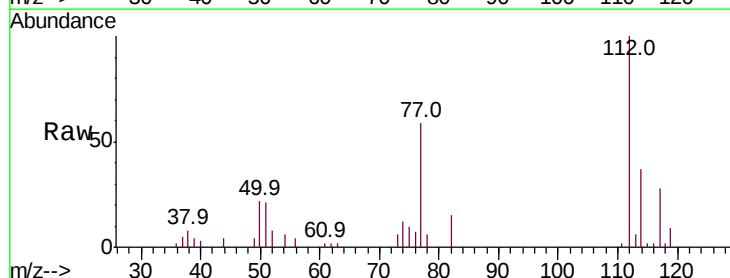
Tgt Ion:112 Resp: 9461

Ion Ratio Lower Upper

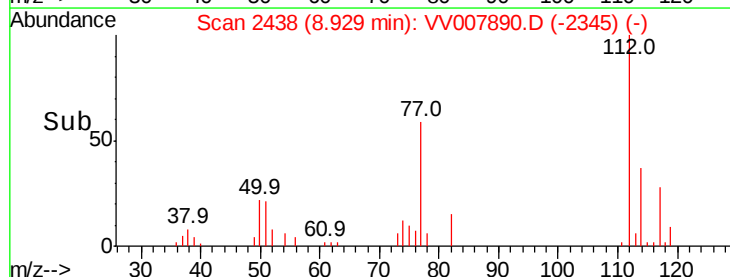
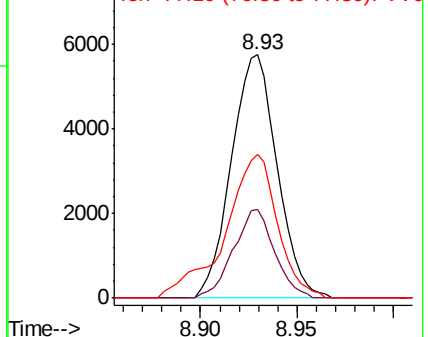
112 100

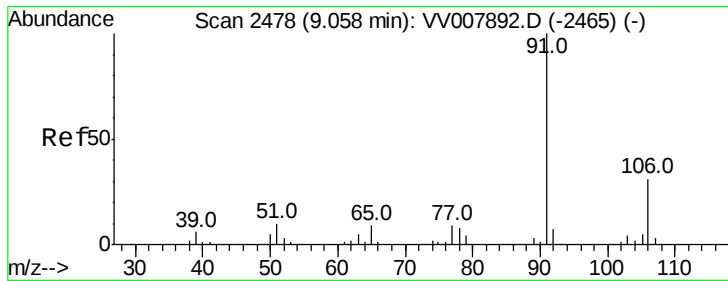
114 36.5 22.4 41.6

77 59.0 45.0 67.6



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: 0.457 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

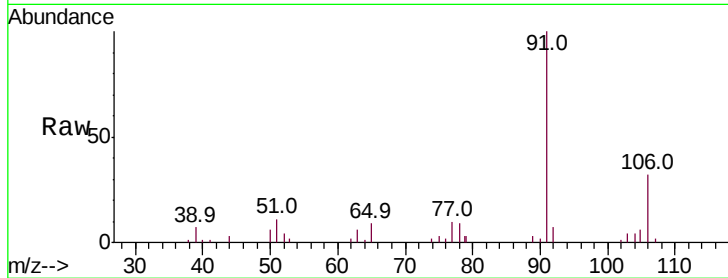
ClientSampleId :

Tot Ion: 91 Resp: 13719

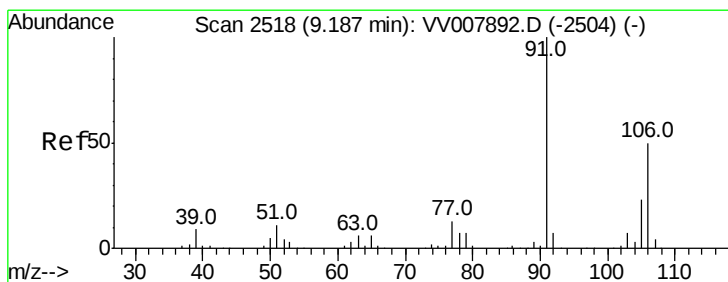
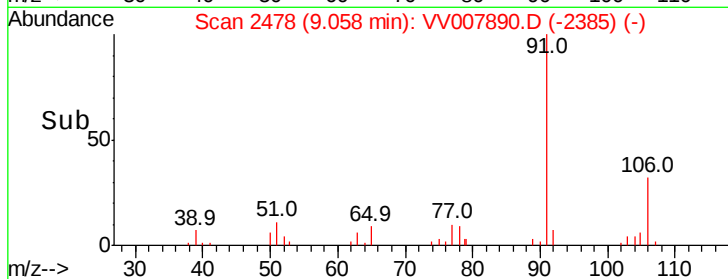
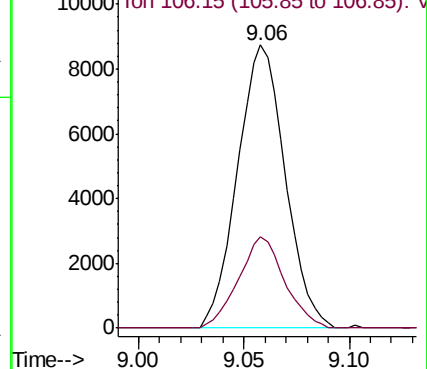
Ion Ratio Lower Upper

91 100

106 32.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007890.D (-2465) (-)



#53

m,p-xylene

Concen: 0.451 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007890.D

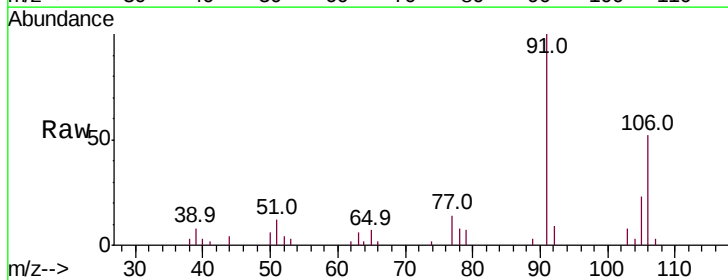
Acq: 26 Sep 2018 18:34

Tgt Ion: 106 Resp: 5279

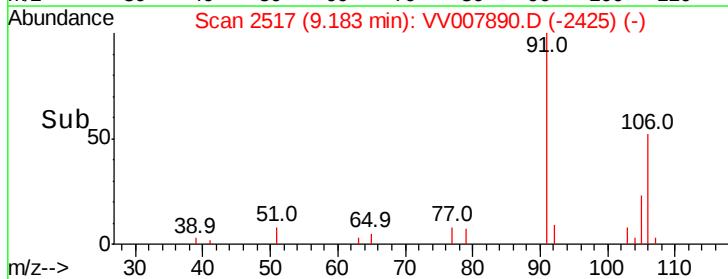
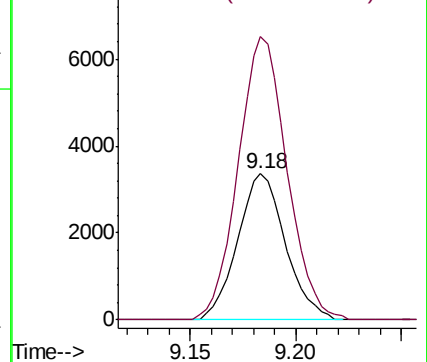
Ion Ratio Lower Upper

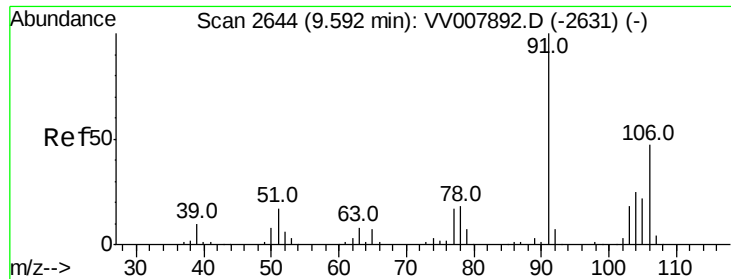
106 100

91 193.7 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007890.D (-2504) (-)





#54

o-xylene

Concen: 0.442 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

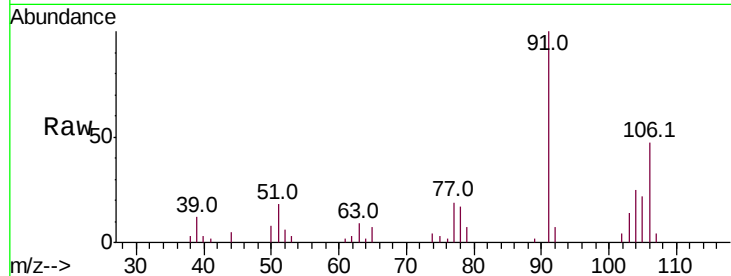
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 5080

Ion Ratio Lower Upper

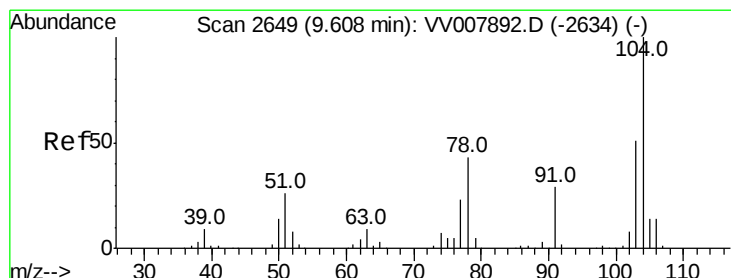
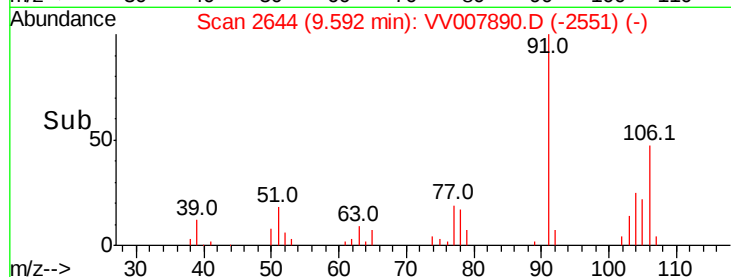
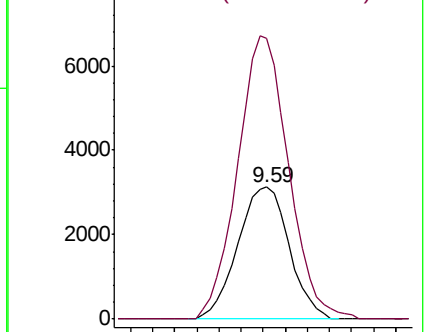
106 100

91 212.9 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.439 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007890.D

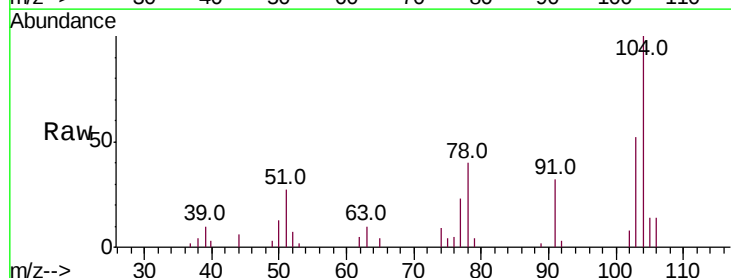
Acq: 26 Sep 2018 18:34

Tgt Ion:104 Resp: 8313

Ion Ratio Lower Upper

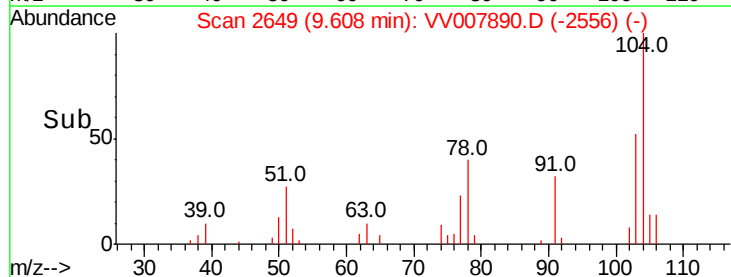
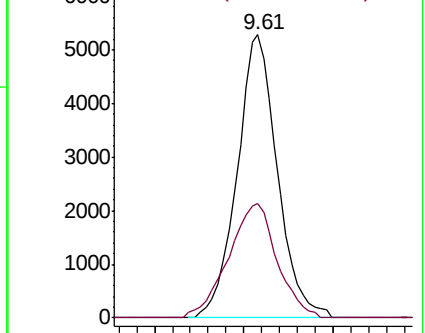
104 100

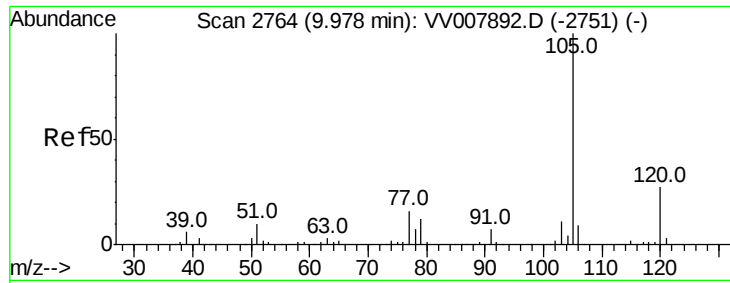
78 40.4 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.424 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

ClientSampleId :

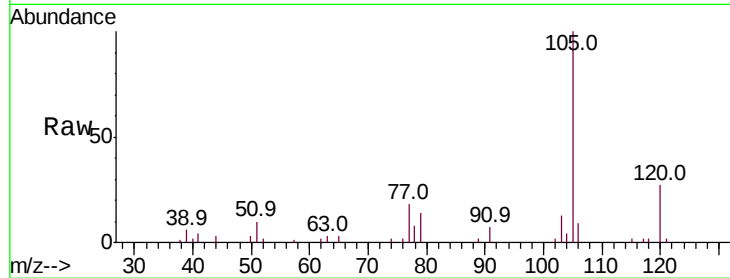
Tot Ion:105 Resp: 13322

Ion Ratio Lower Upper

105 100

120 25.5 21.4 32.0

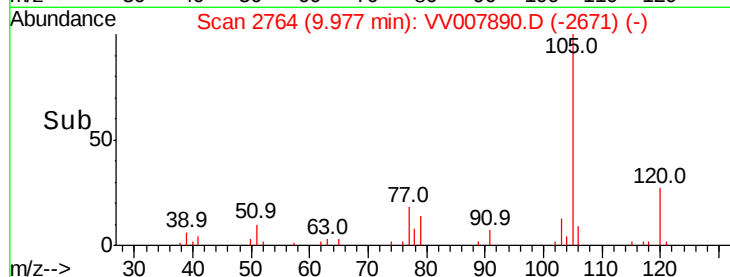
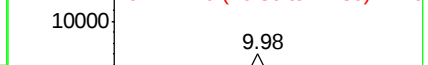
77 17.3 12.7 19.1



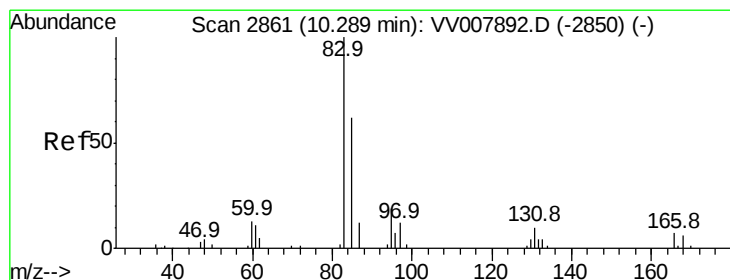
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 0.482 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

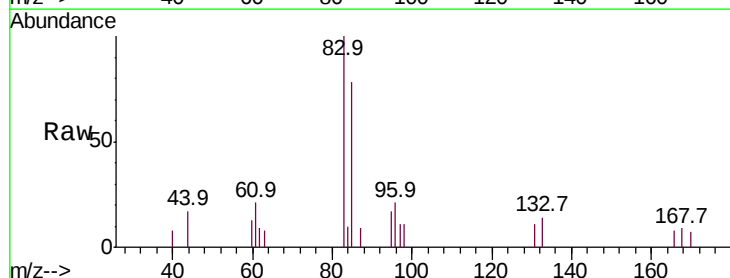
Tgt Ion: 83 Resp: 2410

Ion Ratio Lower Upper

83 100

85 77.9 43.7 81.1

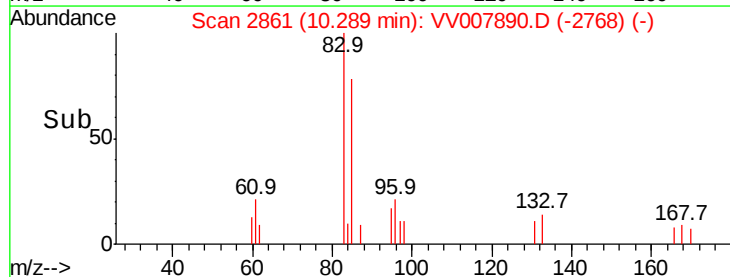
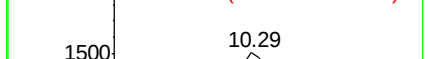
131 10.7 9.0 13.4



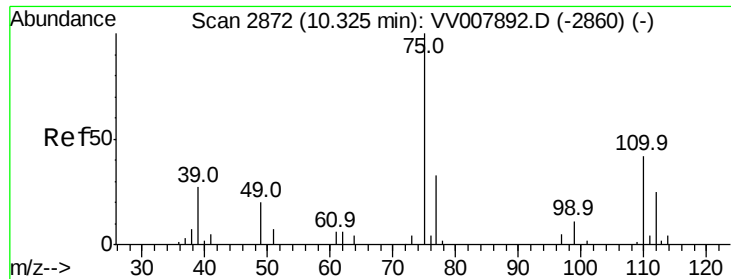
Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



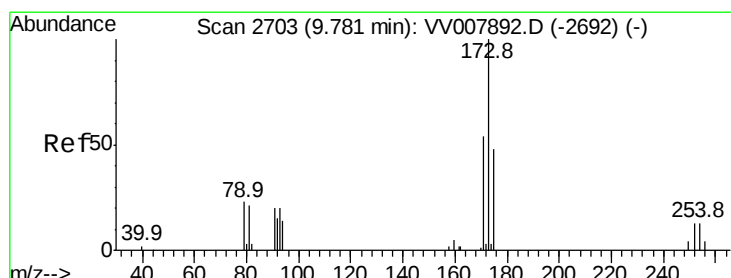
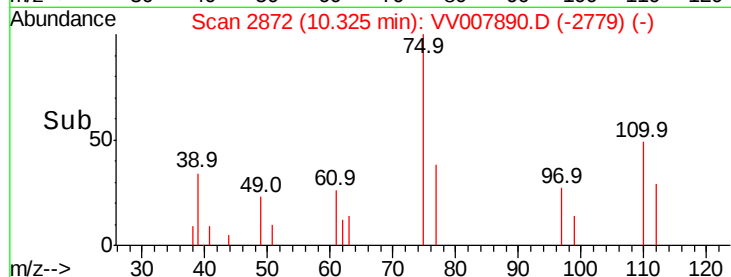
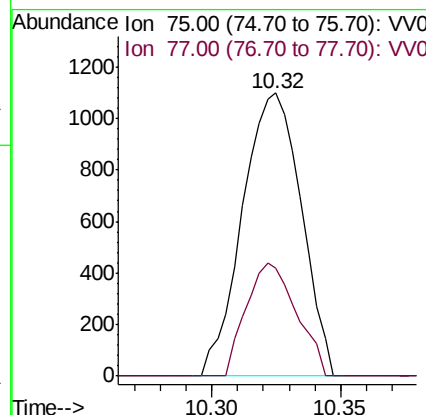
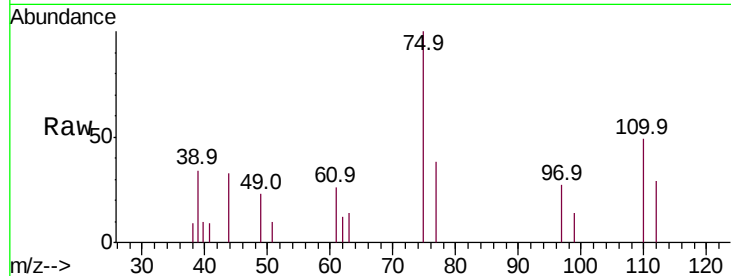
Time-->



#59
 1,2,3-Trichloropropane
 Concen: 0.495 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

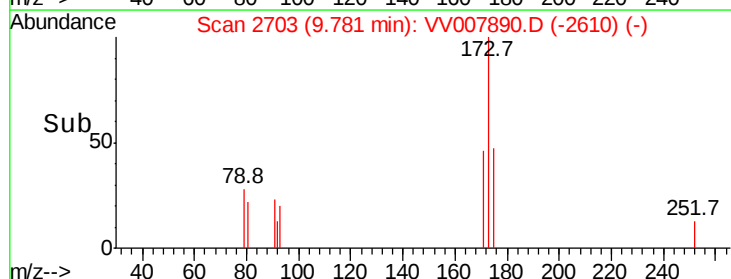
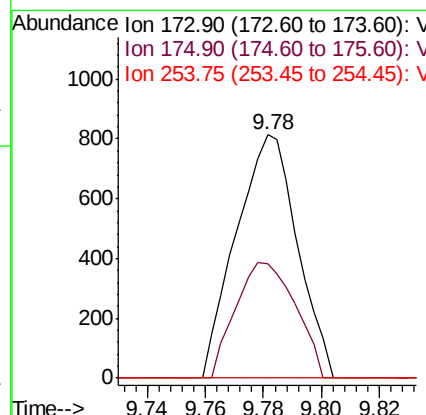
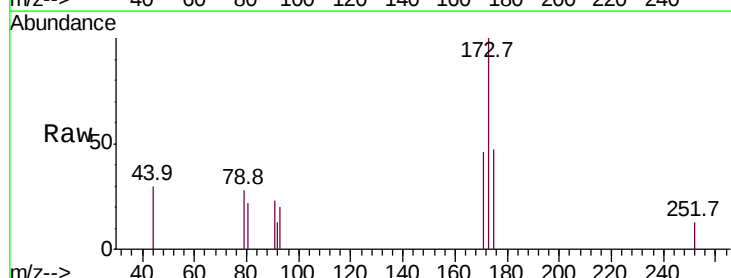
Instrument :
 MSVOA_V
 ClientSampleId :

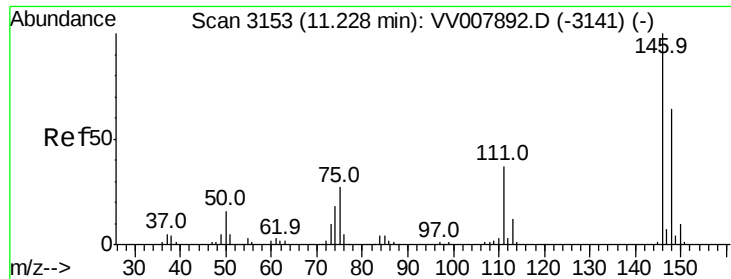
Tot Ion: 75 Resp: 1746
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.4 39.6



#61
 Bromoform
 Concen: 0.399 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion:173 Resp: 1190
 Ion Ratio Lower Upper
 173 100
 175 46.6 41.0 61.6
 254 0.0 9.6 14.4#





#62

1,3-Dichlorobenzene

Concen: 0.497 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

ClientSampleId :

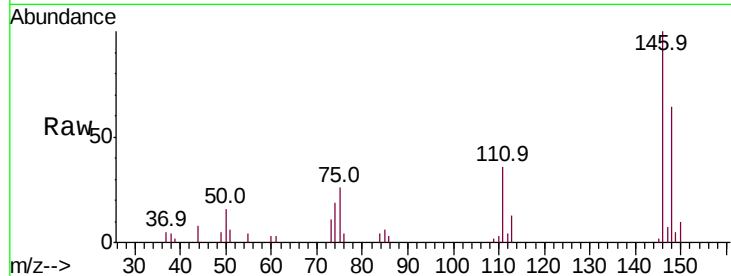
Tot Ion:146 Resp: 7814

Ion Ratio Lower Upper

146 100

111 35.9 25.8 48.0

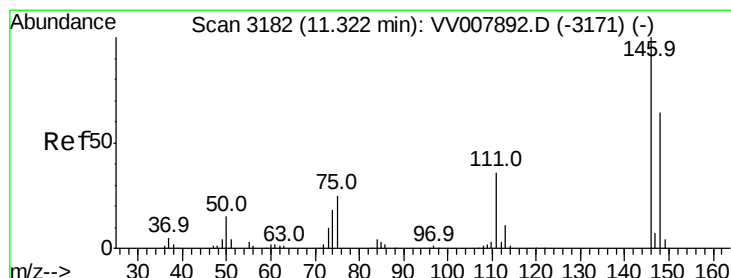
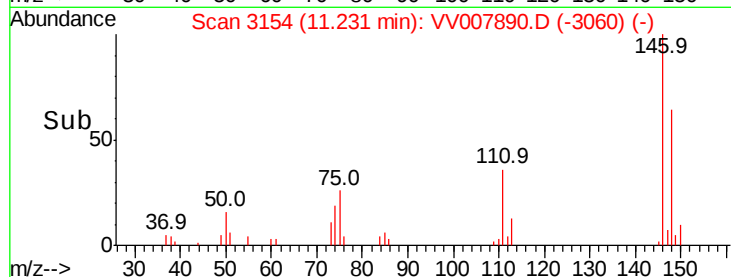
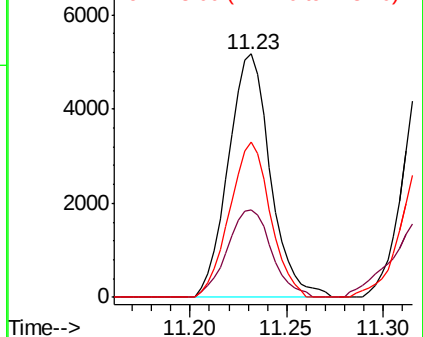
148 63.6 44.7 82.9



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: 0.533 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

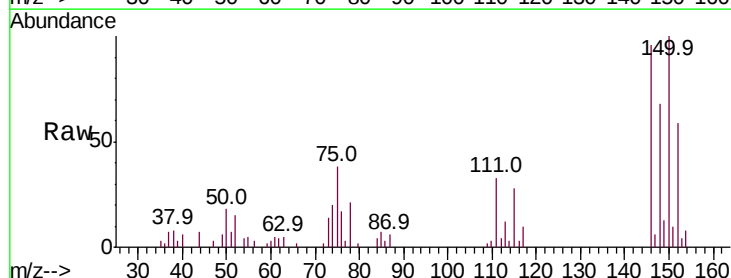
Tgt Ion:146 Resp: 8468

Ion Ratio Lower Upper

146 100

111 34.7 25.3 47.1

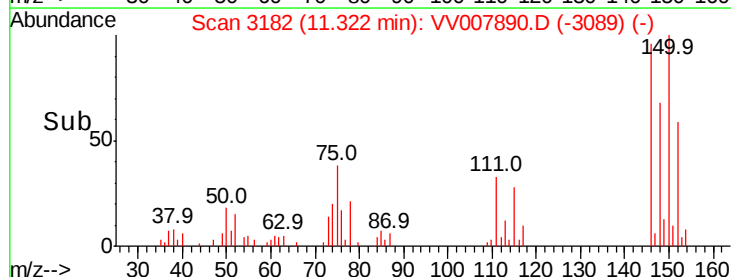
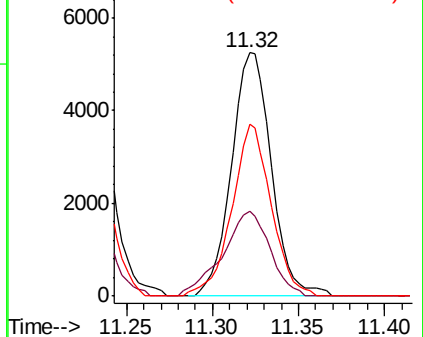
148 70.6 44.7 82.9

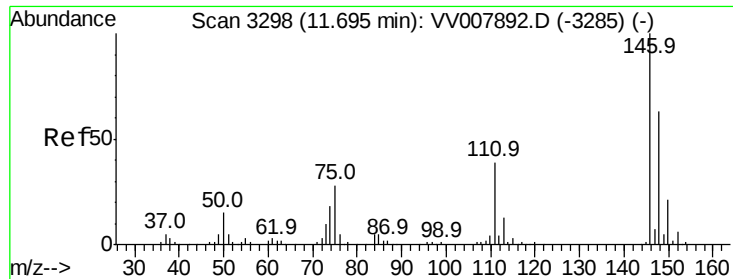


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.501 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

ClientSampleId :

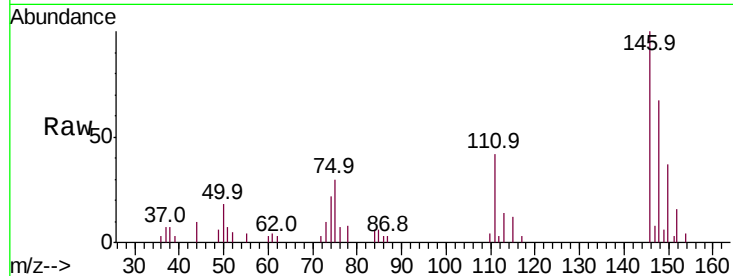
Tot Ion:146 Resp: 7407

Ion Ratio Lower Upper

146 100

111 41.9 31.2 46.8

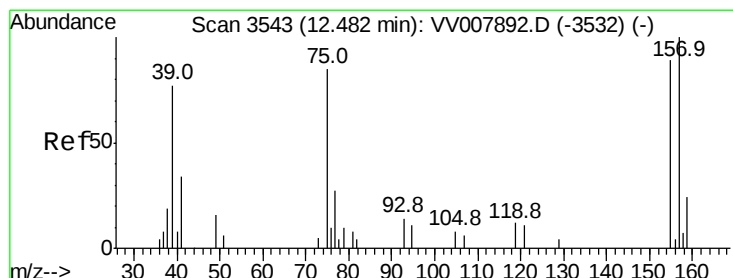
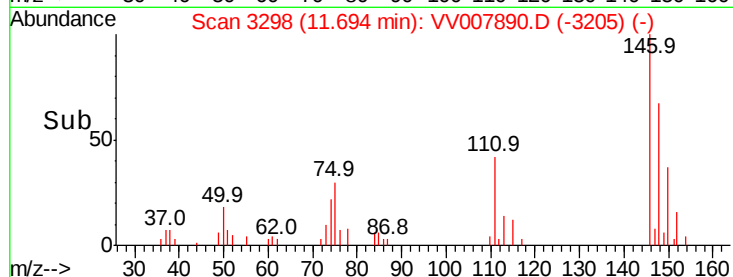
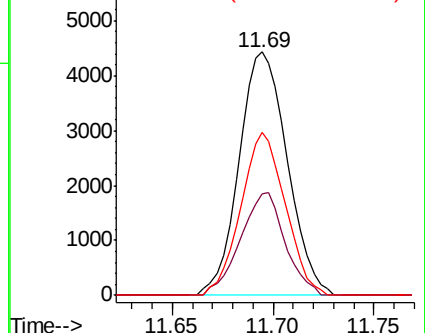
148 66.9 50.3 75.5



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: 0.453 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

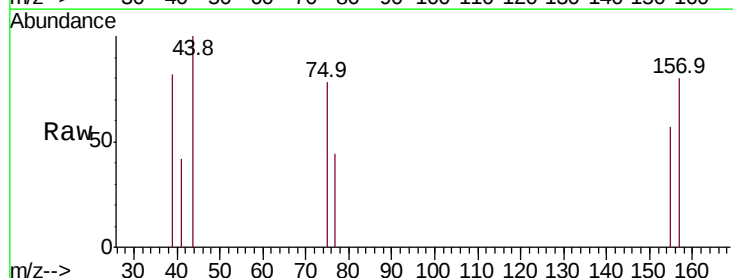
Tgt Ion: 75 Resp: 310

Ion Ratio Lower Upper

75 100

155 72.5 83.4 125.2#

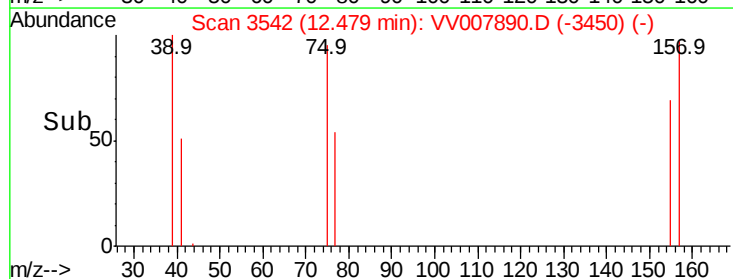
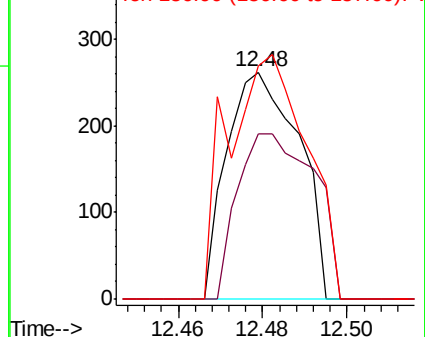
157 102.7 93.9 140.9

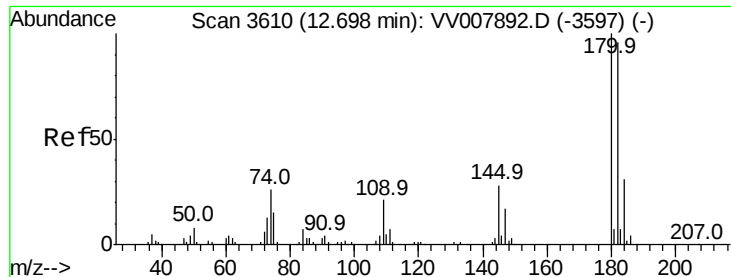


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

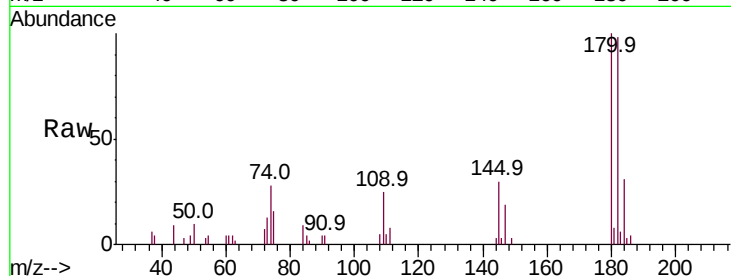




#67
 1,3,5-Trichlorobenzene
 Concen: 0.505 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	6857
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.2	114.4
184	32.9	24.5	36.7
145	28.8	22.2	33.4



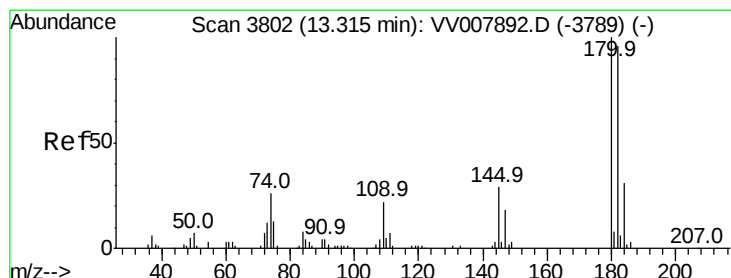
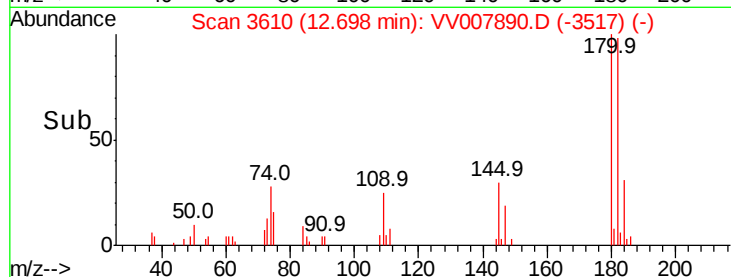
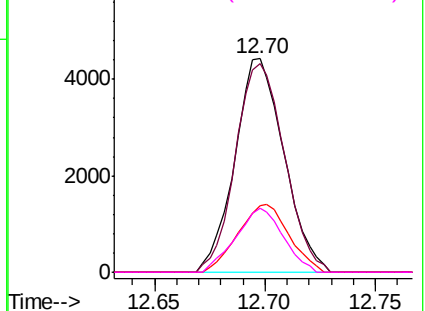
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

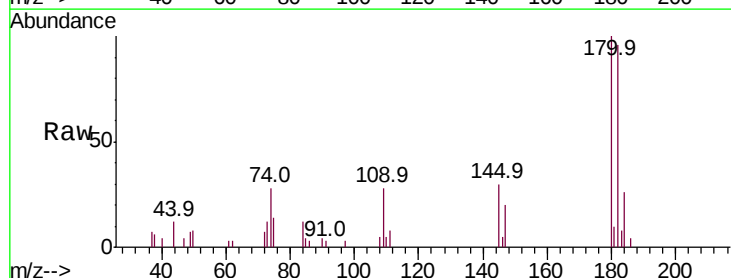
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.513 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007890.D
 Acq: 26 Sep 2018 18:34

Tgt Ion:	180	Resp:	5689
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	27.6	22.6	33.8

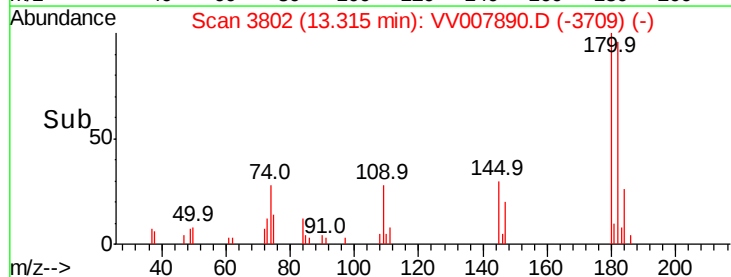
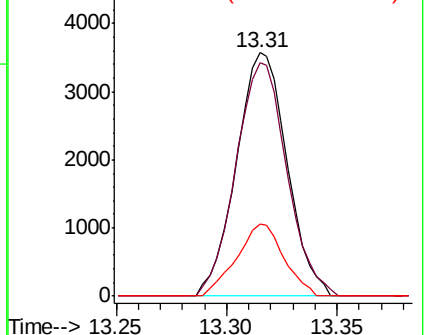


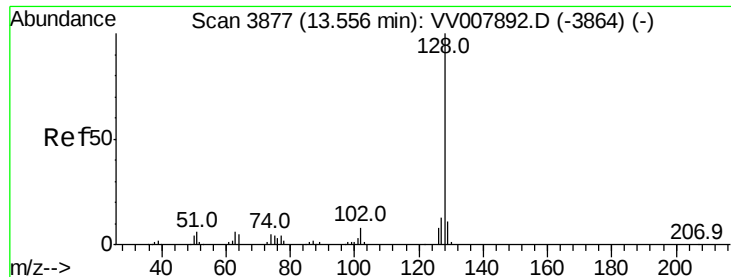
Abundance

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: 0.416 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

Instrument :

MSVOA_V

ClientSampled :

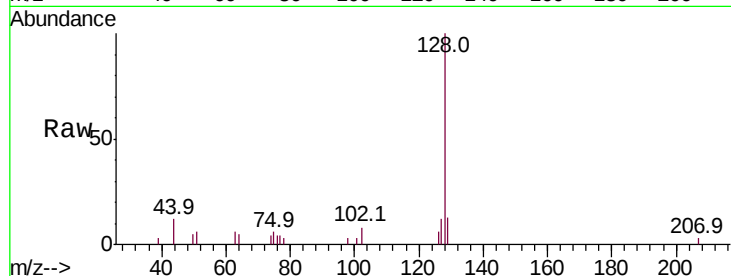
Tot Ion:128 Resp: 6824

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

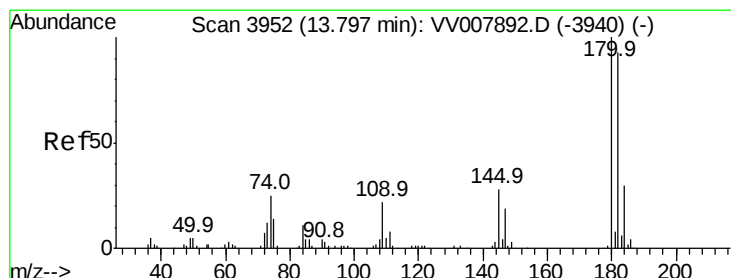
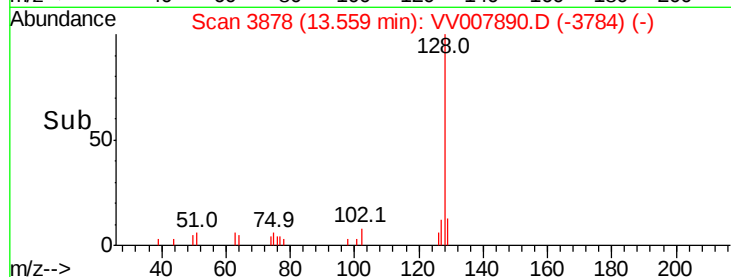
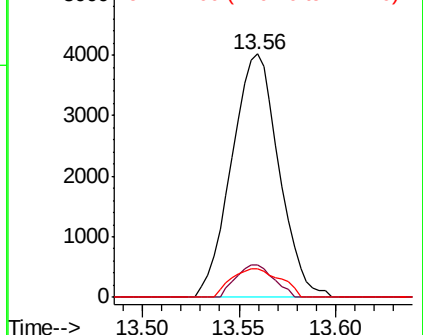
127 12.1 10.3 15.5



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: 0.466 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007890.D

Acq: 26 Sep 2018 18:34

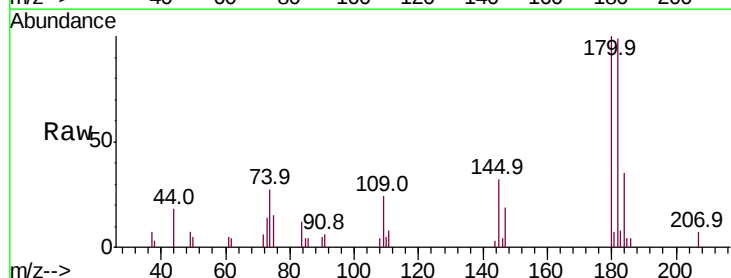
Tgt Ion:180 Resp: 4785

Ion Ratio Lower Upper

180 100

182 97.8 75.7 113.5

145 29.9 23.4 35.0



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

