

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007894.D
 Acq On : 26 Sep 2018 20:23
 Operator : SY/MD
 Sample : VSTD020
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:43:57 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	96493	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	95406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105960	25.22	ug/L	0.00
7) Chloroethane-d5	1.59	69	88513	23.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	233492	21.97	ug/L	0.00
20) 2-Butanone-d5	3.97	46	356189	325.86	ug/L	0.00
24) Chloroform-d	4.41	84	248331	25.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	136147	27.41	ug/L	0.00
32) Benzene-d6	5.10	84	478398	24.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	148044	25.39	ug/L	0.00
41) Toluene-d8	7.36	98	499904	24.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	62729	27.25	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	308793	334.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	127960	26.92	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	213935	22.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	158862	20.380	ug/L 97
3) Chloromethane	1.25	50	143917	22.865	ug/L 99
5) Vinyl chloride	1.32	62	153358	21.444	ug/L 97
6) Bromomethane	1.54	94	94075	20.031	ug/L 99
8) Chloroethane	1.60	64	87503	18.940	ug/L 99
9) Trichlorofluoromethane	1.77	101	243785	17.117	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	140962	18.095	ug/L 98
12) 1,1-Dichloroethene	2.14	96	125253	18.179	ug/L 97
13) Acetone	2.22	43	218731	217.844	ug/L 99
14) Carbon disulfide	2.32	76	350715	19.219	ug/L 100
15) Methyl Acetate	2.47	43	56373	23.258	ug/L 98
16) Methylene chloride	2.54	84	131217	18.510	ug/L 94
17) Methyl tert-butyl Ether	2.82	73	323032	19.916	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	136213	18.056	ug/L 98
19) 1,1-Dichloroethane	3.23	63	239314	22.319	ug/L 100
21) 2-Butanone	4.05	43	388083	291.495	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	148522	21.510	ug/L 100
23) Bromochloromethane	4.30	128	67021	21.566	ug/L 95
25) Chloroform	4.43	83	265627	23.054	ug/L 99
27) 1,2-Dichloroethane	5.19	62	173231	24.507	ug/L 99
29) 1,1,1-Trichloroethane	4.66	97	237942	21.036	ug/L 99
30) Cyclohexane	4.72	56	227588	23.089	ug/L 99
31) Carbon tetrachloride	4.88	117	216511	21.097	ug/L 99
33) Benzene	5.15	78	560182	21.753	ug/L 100
34) Trichloroethene	5.96	95	154057	20.550	ug/L 98
35) Methylcyclohexane	6.18	83	250401	21.743	ug/L 99
37) 1,2-Dichloropropane	6.23	63	143937	22.962	ug/L 99
38) Bromodichloromethane	6.56	83	181215	22.338	ug/L 98
39) cis-1,3-Dichloropropene	7.07	75	213816	24.084	ug/L 99
40) 4-Methyl-2-pentanone	7.29	43	990420	283.831	ug/L 98

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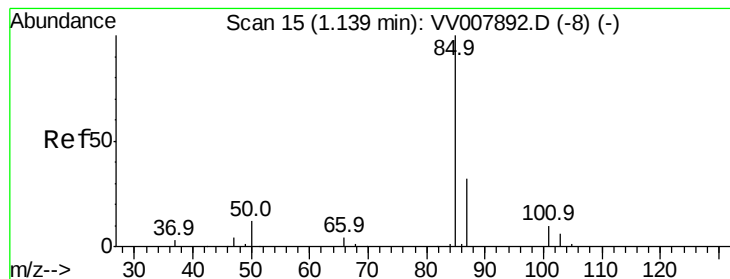
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:43:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	638033	22.031	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	183416	25.268	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	106879	22.543	ug/L	99
47) Tetrachloroethene	8.02	164	146821	20.138	ug/L	97
48) 2-Hexanone	8.19	43	716243	289.140	ug/L	99
49) Dibromochloromethane	8.30	129	136317	23.479	ug/L	98
50) 1,2-Dibromoethane	8.40	107	105678	23.604	ug/L	100
51) Chlorobenzene	8.93	112	427632	21.359	ug/L	100
52) Ethylbenzene	9.06	91	728896	22.257	ug/L	99
53) m,p-xylene	9.19	106	281075	22.034	ug/L	100
54) o-xylene	9.59	106	272084	21.724	ug/L	98
55) Styrene	9.61	104	477865	23.115	ug/L	100
56) Isopropylbenzene	9.98	105	744926	21.764	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	131765	24.147	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	95012	24.709	ug/L	99
61) Bromoform	9.78	173	80729	23.088	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	371812	20.168	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	375919	20.193	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	353731	20.402	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20549	25.647	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	318965	20.053	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	277137	21.333	ug/L	98
69) Naphthalene	13.56	128	441231	22.940	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	256441	21.302	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 20.380 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

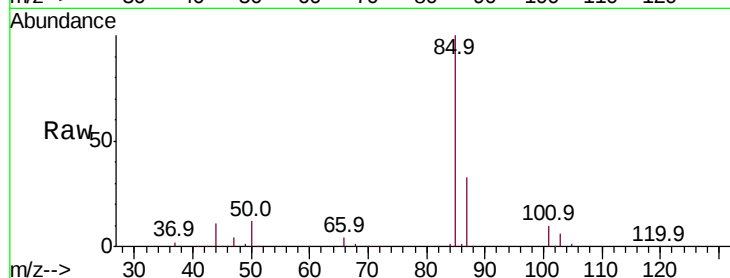
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 158862

Ion Ratio Lower Upper

85 100

87 33.0 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) (-)

1.14

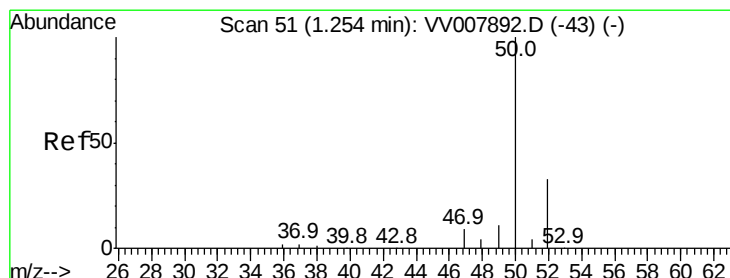
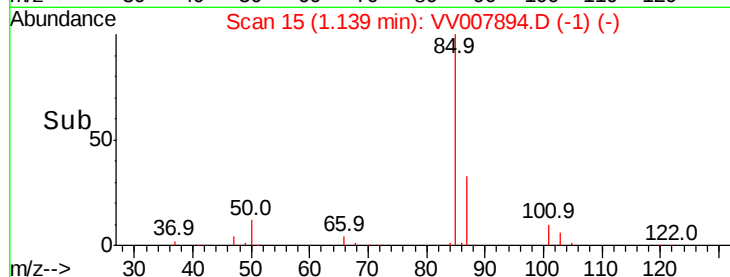
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 22.865 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007894.D

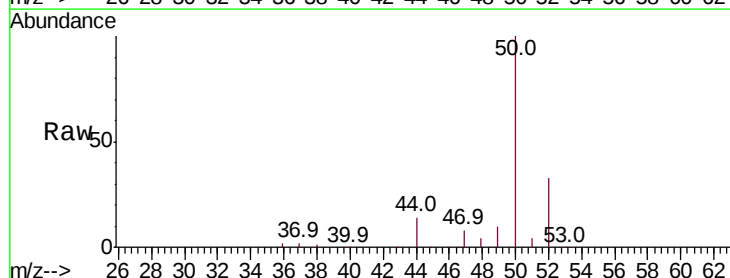
Acq: 26 Sep 2018 20:23

Tgt Ion: 50 Resp: 143917

Ion Ratio Lower Upper

50 100

52 32.7 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) (-)

1.25

120000

100000

80000

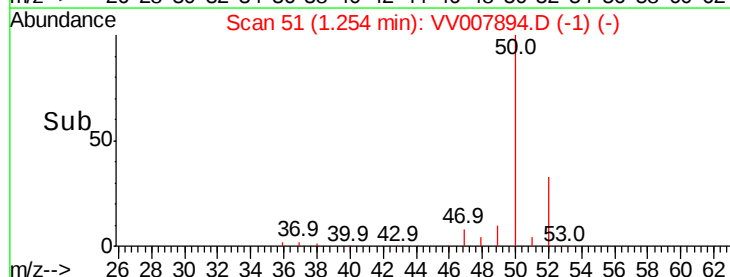
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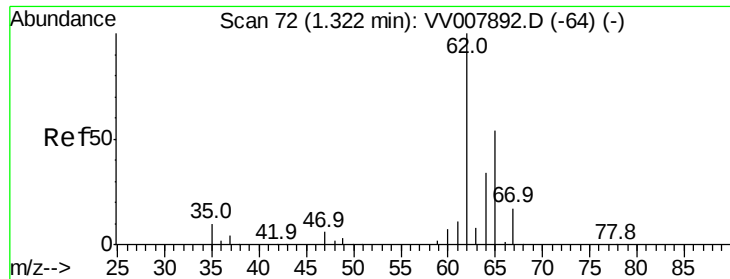
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 21.444 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

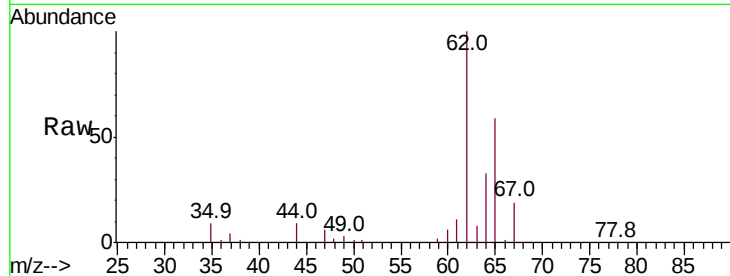
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 153358

Ion Ratio Lower Upper

62 100

64 32.8 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007892.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007894.D (-46) (-)

1.32

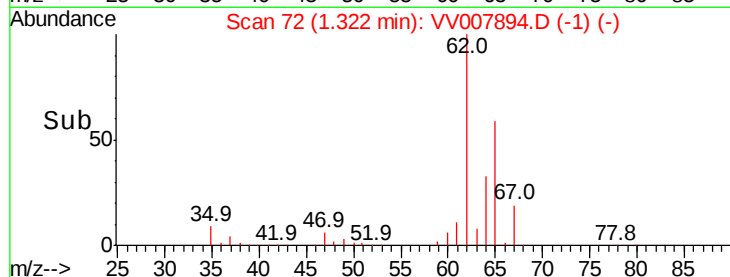
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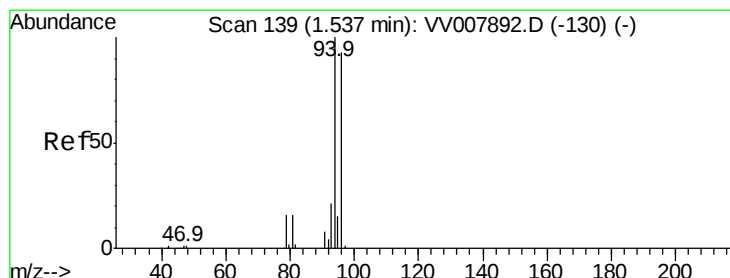
50000

0

Time-->



Time-->



#6

Bromomethane

Concen: 20.031 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007894.D

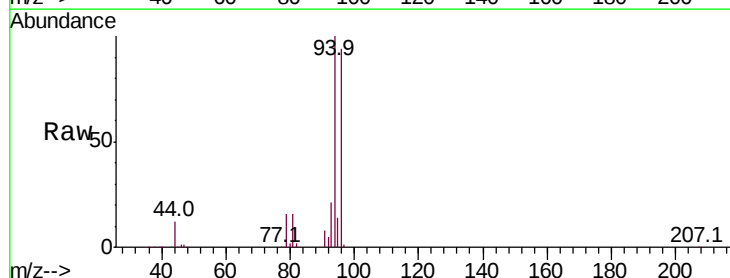
Acq: 26 Sep 2018 20:23

Tgt Ion: 94 Resp: 94075

Ion Ratio Lower Upper

94 100

96 94.4 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007892.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007894.D (-46) (-)

1.54

80000

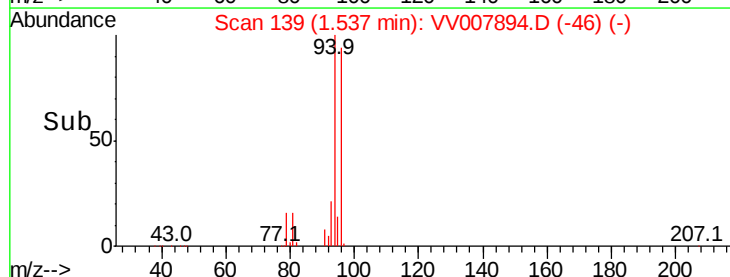
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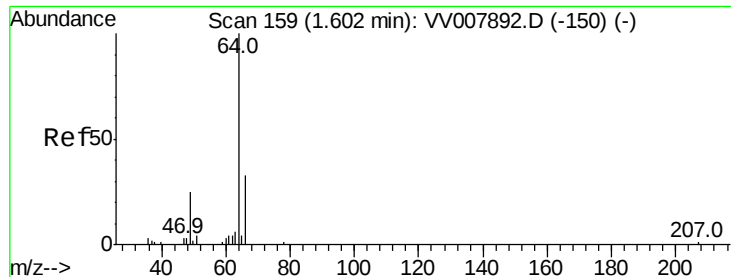
40000

20000

0

Time-->





#8

Chloroethane

Concen: 18.940 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

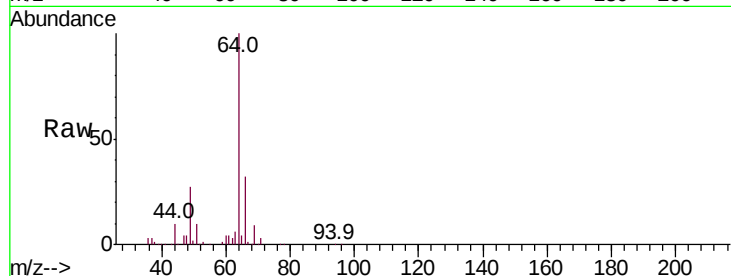
ClientSampleId :

Tot Ion: 64 Resp: 87503

Ion Ratio Lower Upper

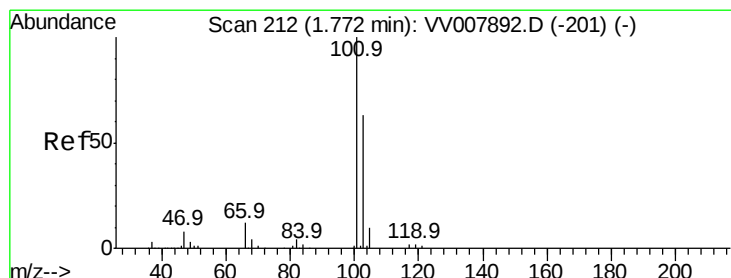
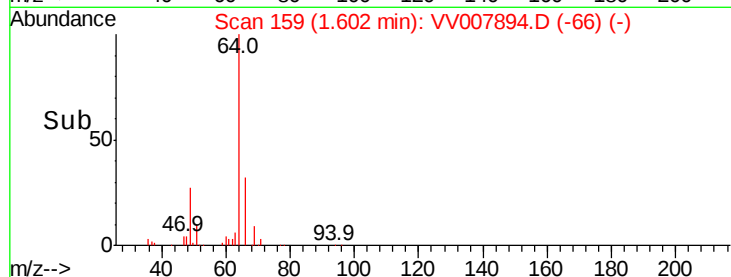
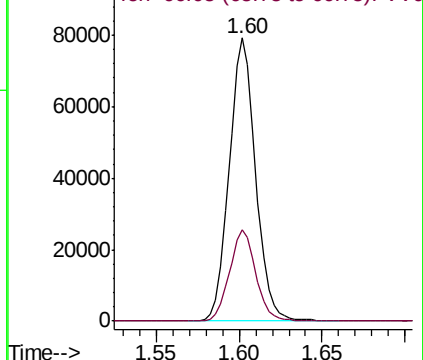
64 100

66 32.2 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV007892.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007892.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 17.117 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV007894.D

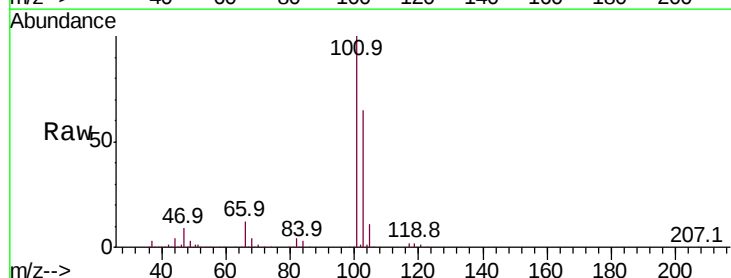
Acq: 26 Sep 2018 20:23

Tgt Ion: 101 Resp: 243785

Ion Ratio Lower Upper

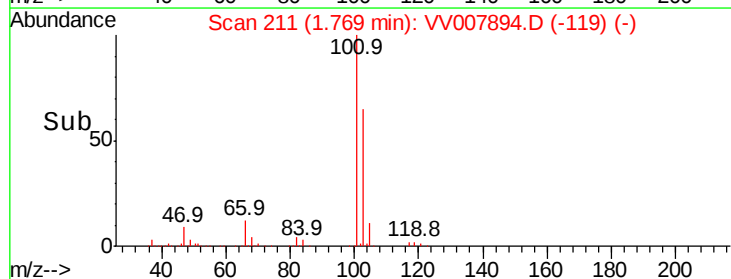
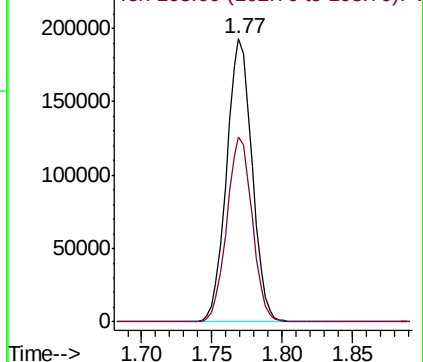
101 100

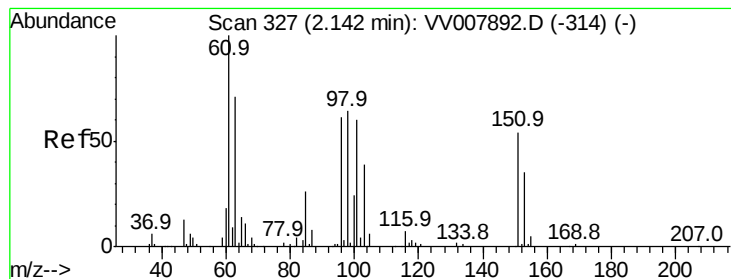
103 65.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007892.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV007892.D (-201) (-)





#10

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

Concen: 18.095 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampled :

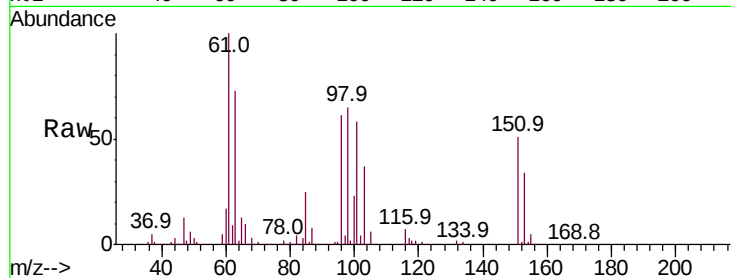
Tot Ion:101 Resp: 140962

Ion Ratio Lower Upper

101 100

85 42.9 34.7 52.1

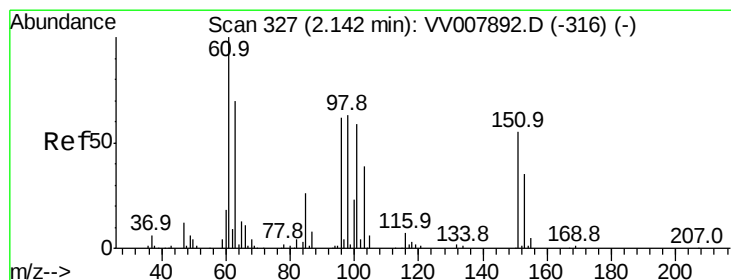
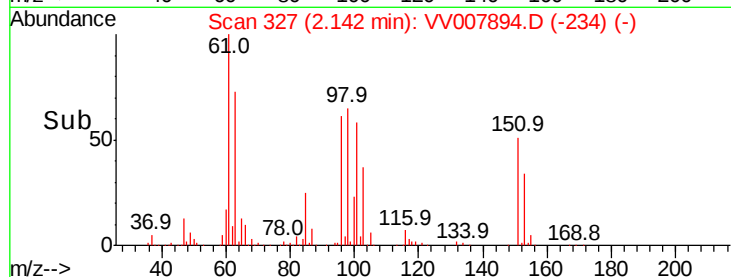
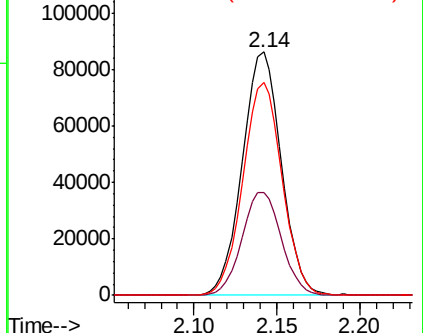
151 88.1 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV007892.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007892.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007892.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 18.179 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

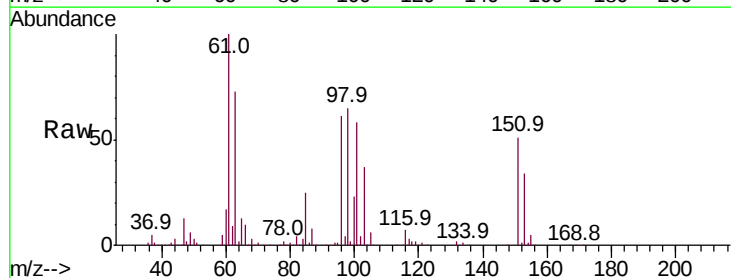
Tgt Ion: 96 Resp: 125253

Ion Ratio Lower Upper

96 100

61 165.2 114.1 211.9

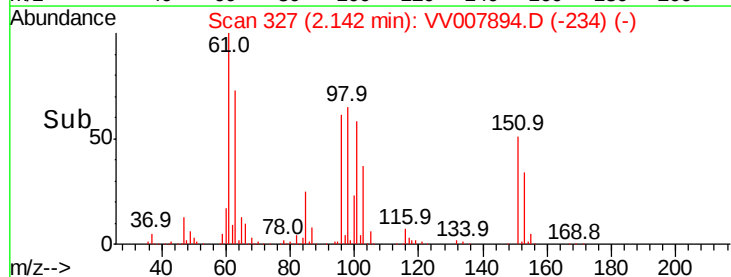
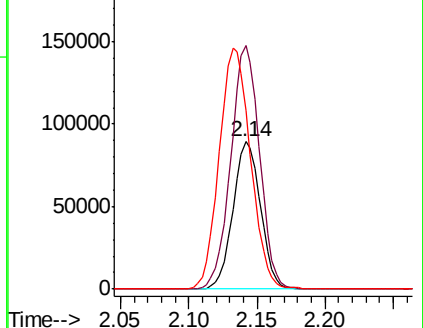
63 120.9 81.5 151.3

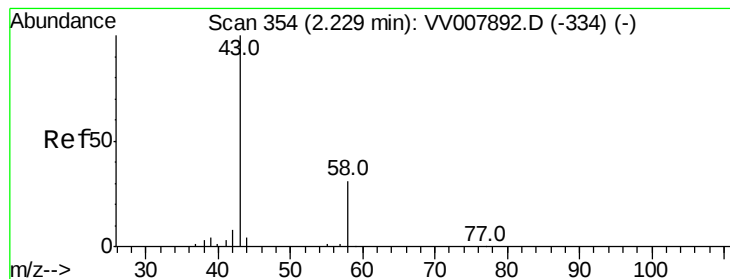


Abundance Ion 96.00 (95.70 to 96.70): VV007892.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV007892.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV007892.D (-316) (-)





#13

Acetone

Concen: 217.844 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

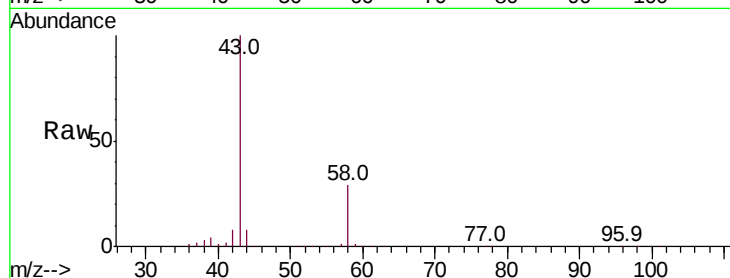
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 218731

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007892.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007892.D (-334) (-)

2.22

100000

80000

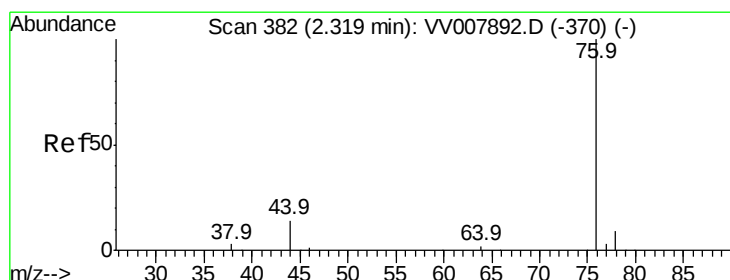
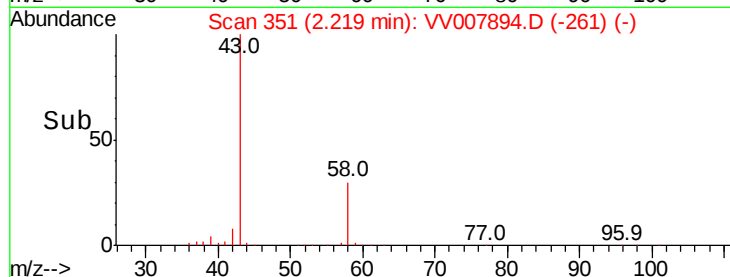
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 19.219 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007894.D

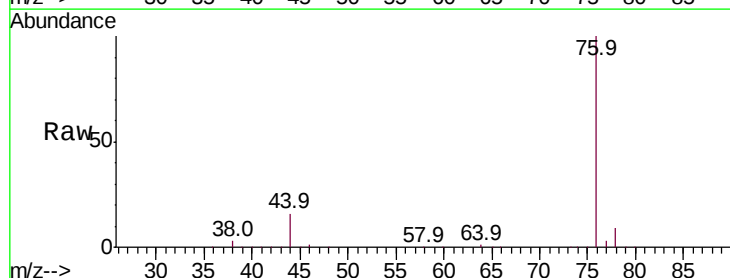
Acq: 26 Sep 2018 20:23

Tgt Ion: 76 Resp: 350715

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007892.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007892.D (-370) (-)

2.32

250000

200000

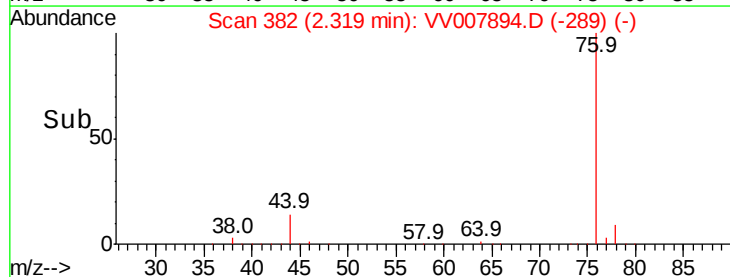
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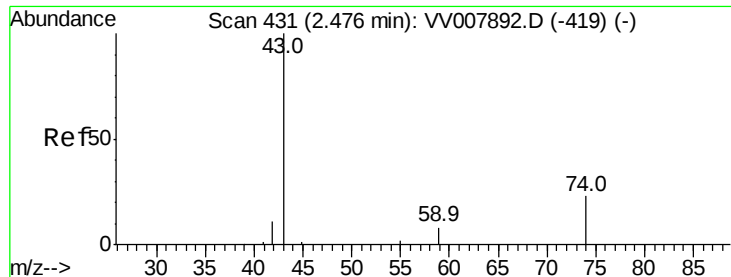
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#15

Methvl Acetate

Concen: 23.258 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

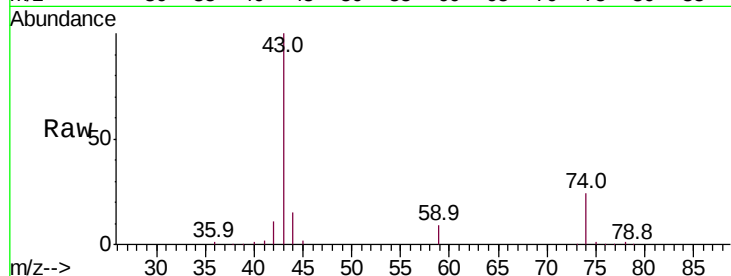
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 56373

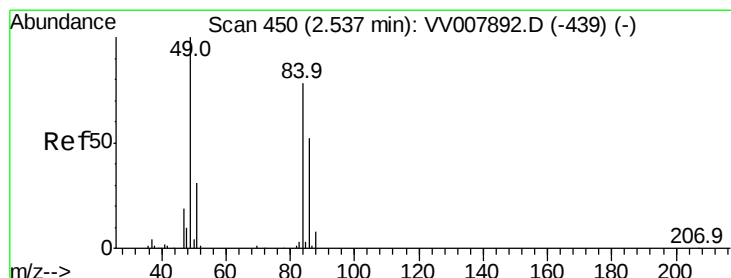
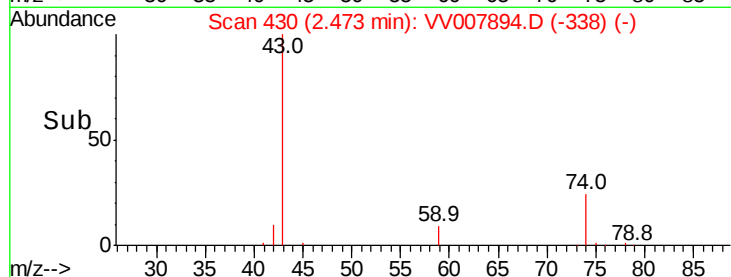
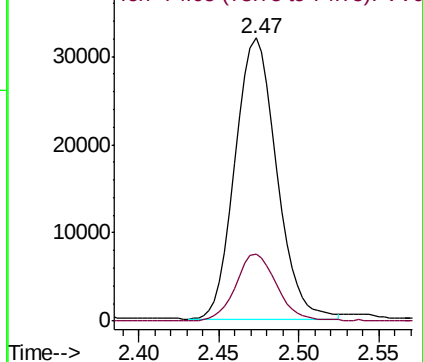
Ion Ratio Lower Upper

43 100

74 23.6 19.5 29.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 18.510 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

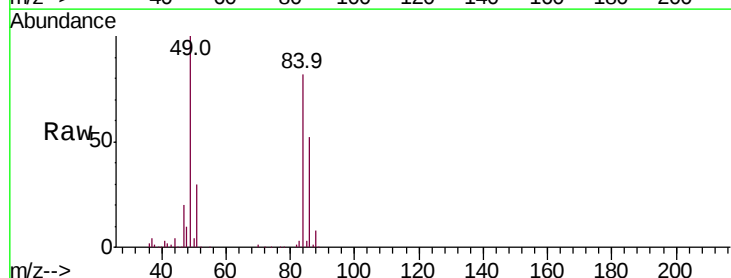
Tgt Ion: 84 Resp: 131217

Ion Ratio Lower Upper

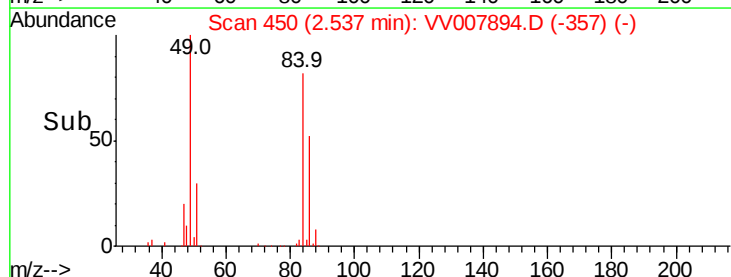
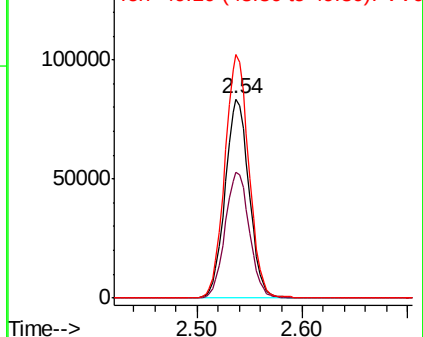
84 100

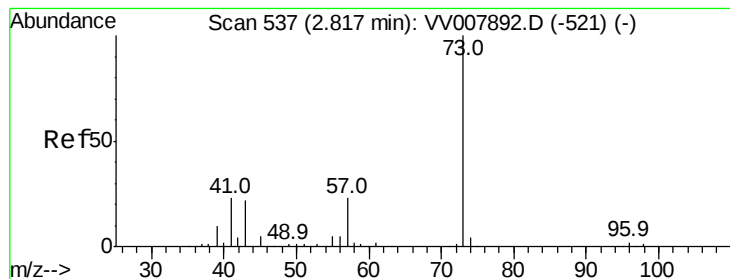
86 63.1 47.3 87.8

49 122.1 90.0 167.2



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



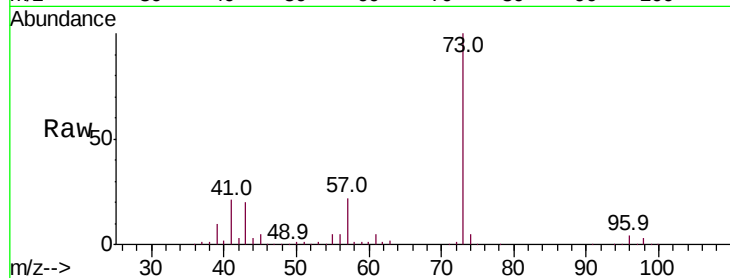


#17

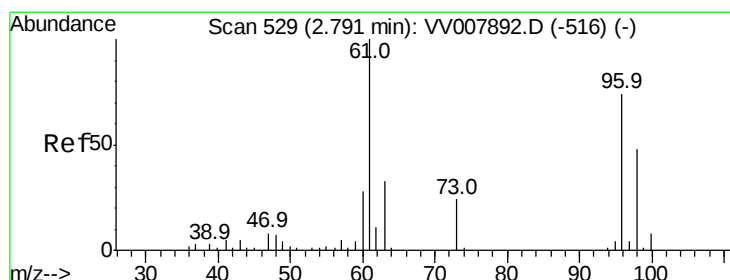
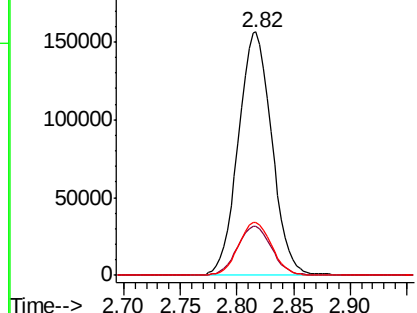
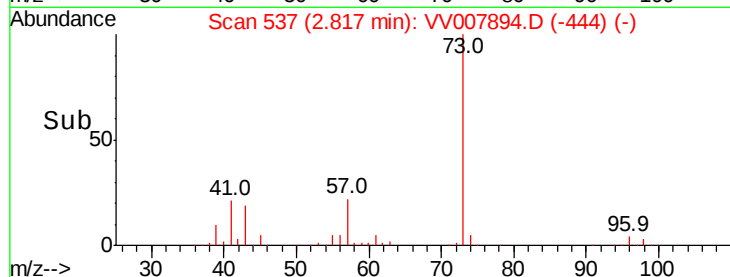
Methvl tert-butvl Ether
 Concen: 19.916 ug/L
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 323032
 Ion Ratio Lower Upper
 73 100
 43 20.6 16.8 25.2
 57 21.8 17.6 26.4



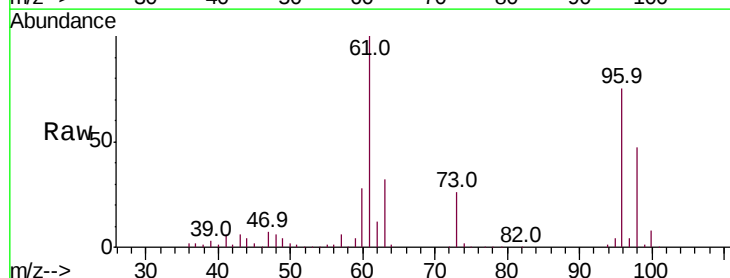
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



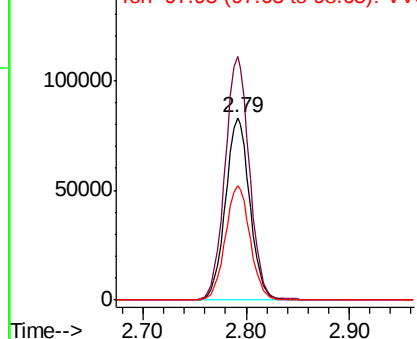
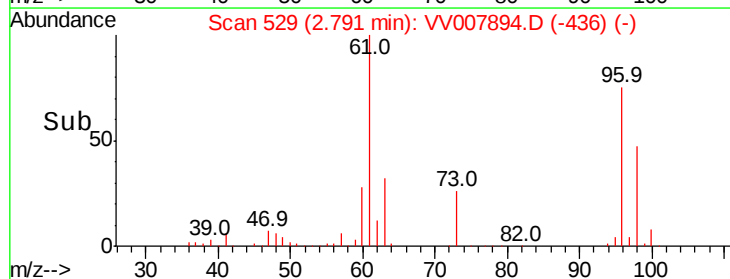
#18

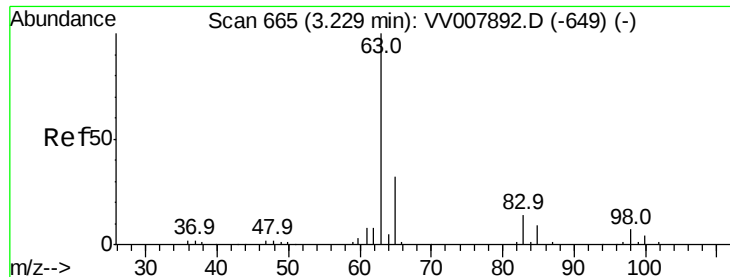
trans-1,2-Dichloroethene
 Concen: 18.056 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 96 Resp: 136213
 Ion Ratio Lower Upper
 96 100
 61 133.2 94.2 175.0
 98 62.4 44.9 83.5



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

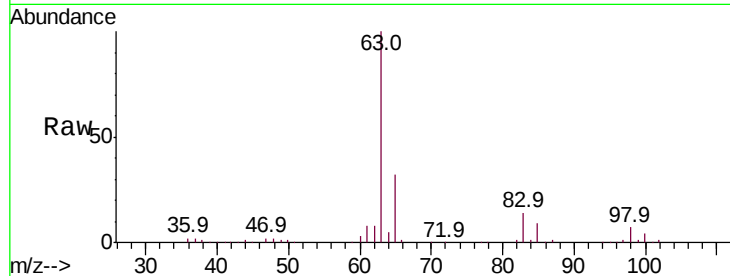




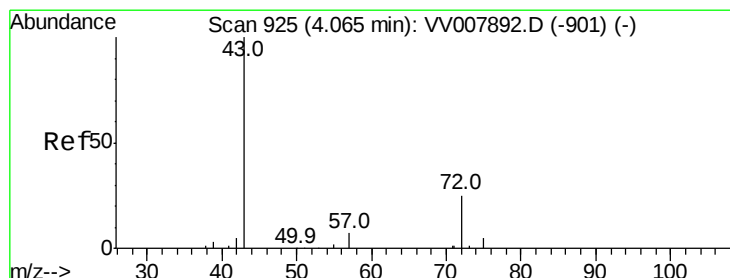
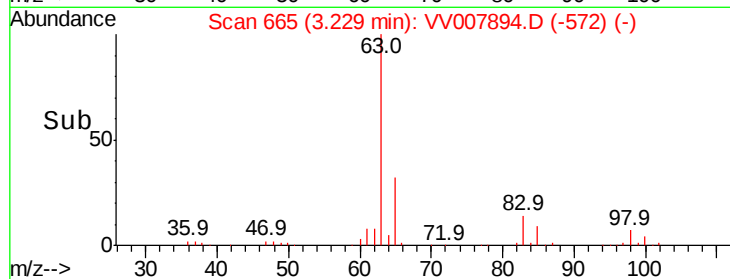
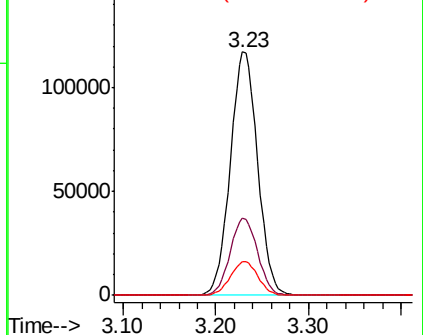
#19
 1,1-Dichloroethane
 Concen: 22.319 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 239314
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.3 41.5
 83 13.9 9.8 18.2

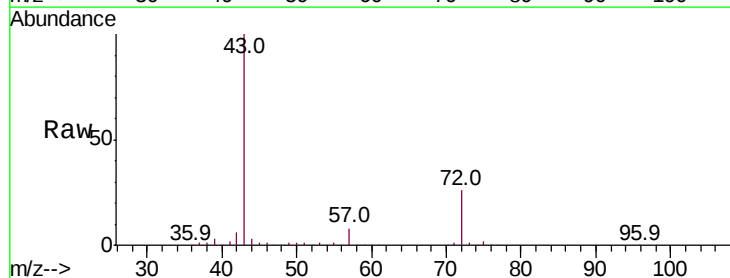


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

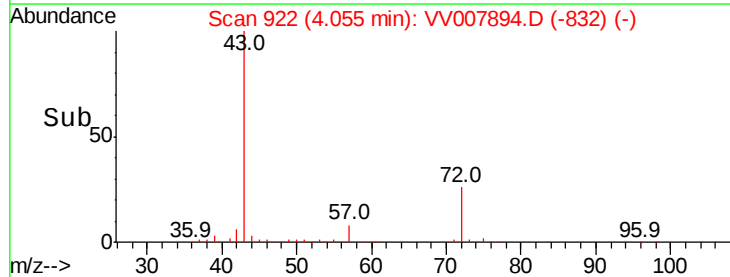
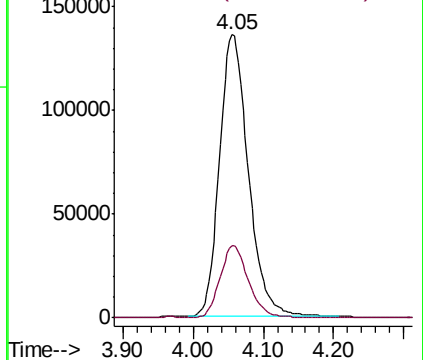


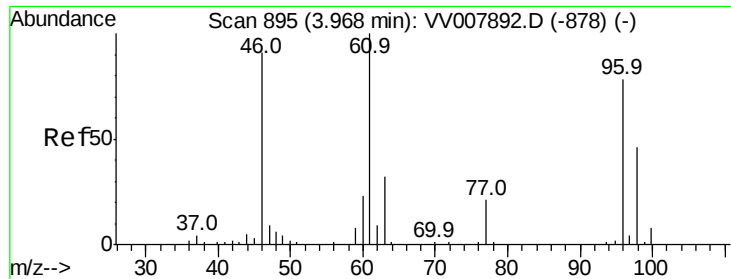
#21
 2-Butanone
 Concen: 291.495 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 43 Resp: 388083
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.5 37.5



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



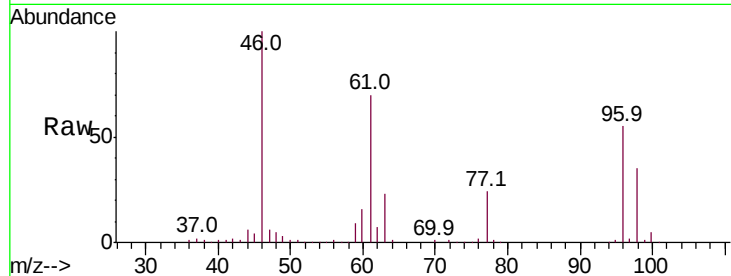


#22

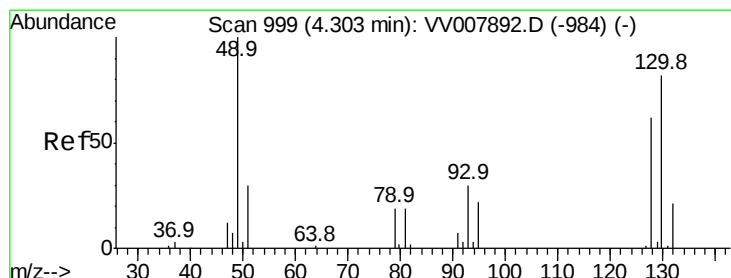
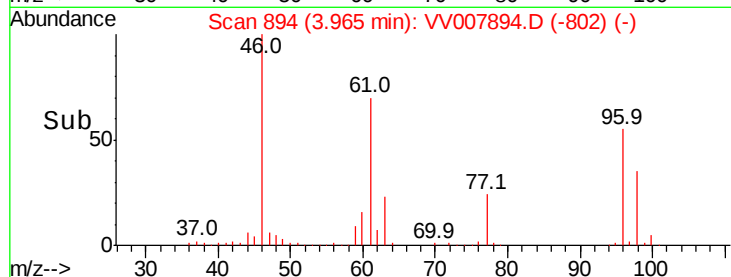
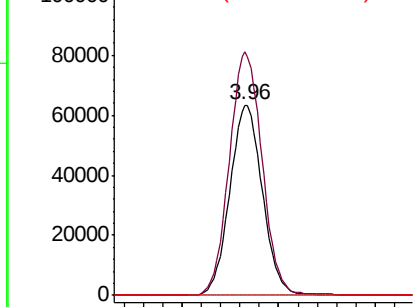
cis-1,2-Dichloroethene
 Concen: 21.510 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 148522
 Ion Ratio Lower Upper
 96 100
 61 128.0 89.5 166.1
 68 0.0 0.0 0.0



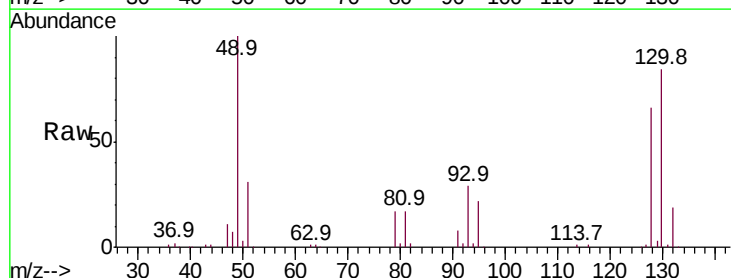
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



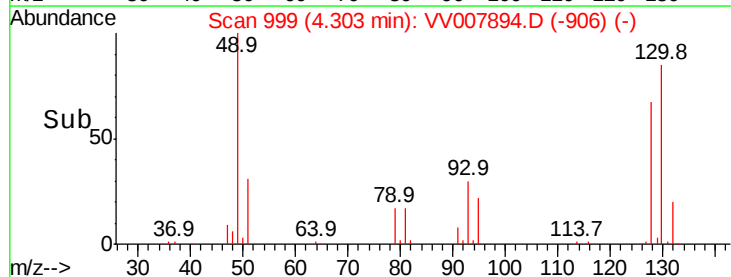
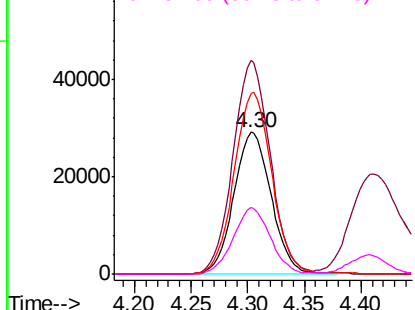
#23

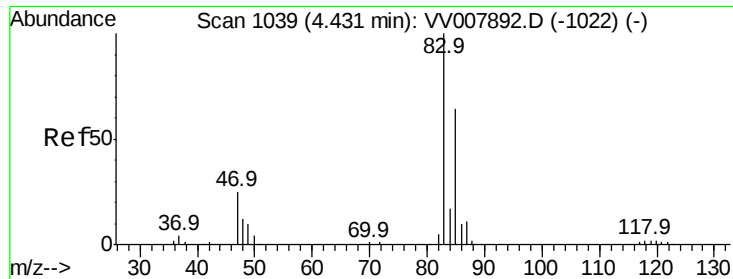
Bromochloromethane
 Concen: 21.566 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 128 Resp: 67021
 Ion Ratio Lower Upper
 128 100
 49 150.7 112.8 209.4
 130 127.3 92.3 171.5
 51 47.1 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

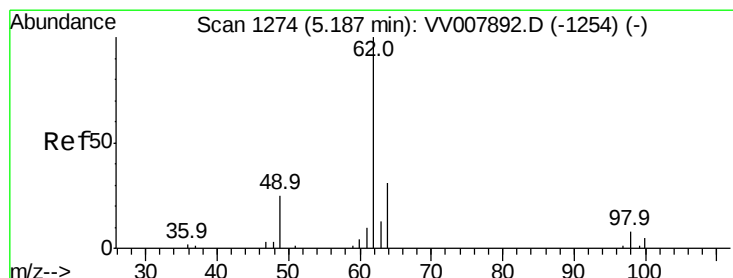
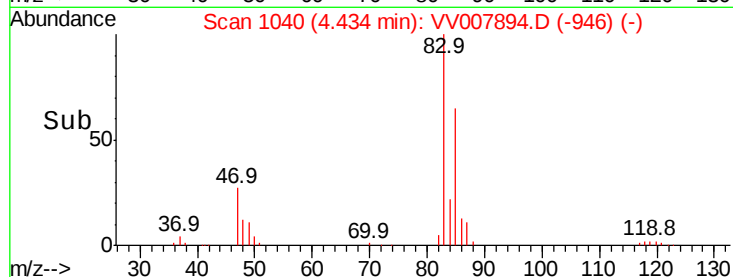
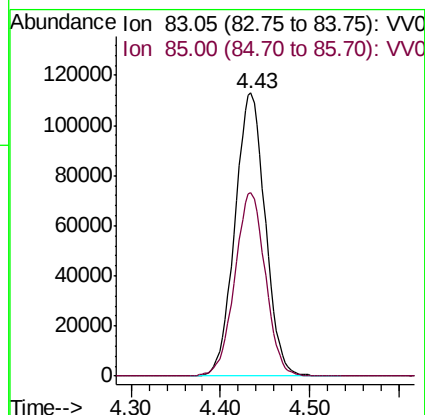
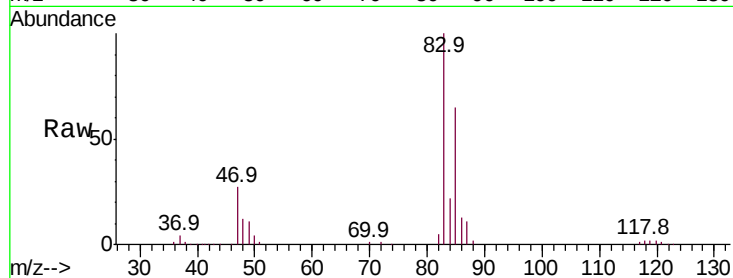




#25
Chloroform
Concen: 23.054 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

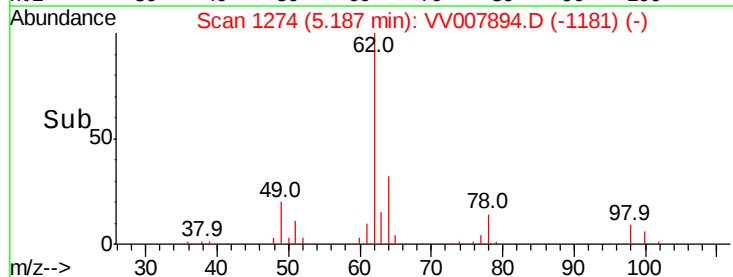
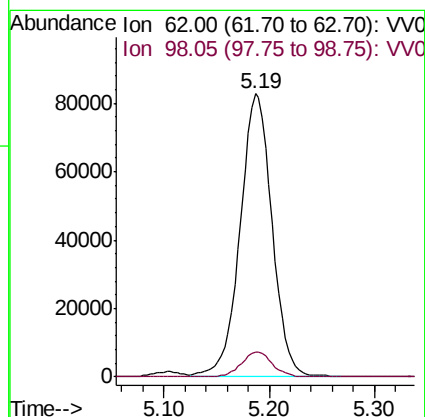
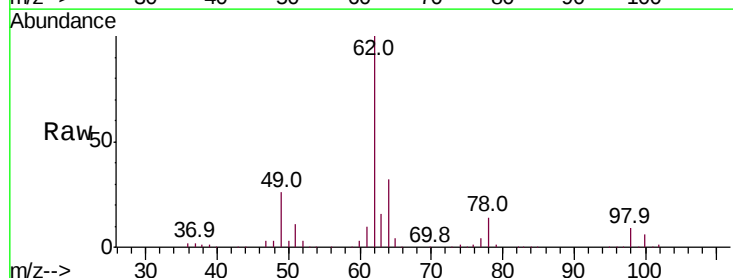
Instrument :
MSVOA_V
ClientSampleId :

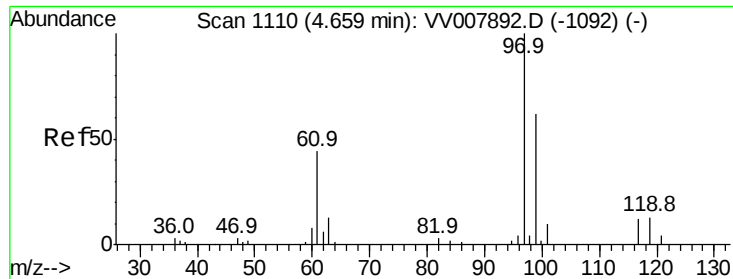
Tot Ion: 83 Resp: 265627
Ion Ratio Lower Upper
83 100
85 65.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 24.507 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

Tgt Ion: 62 Resp: 173231
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 21.036 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampled :

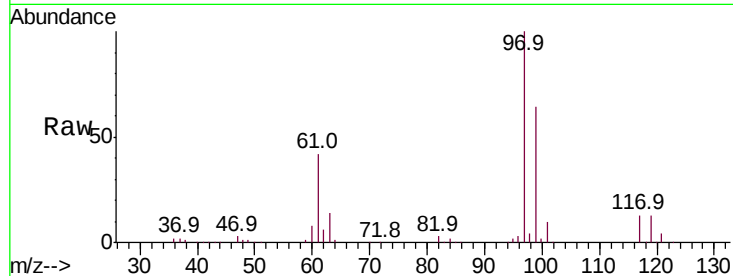
Tot Ion: 97 Resp: 237942

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

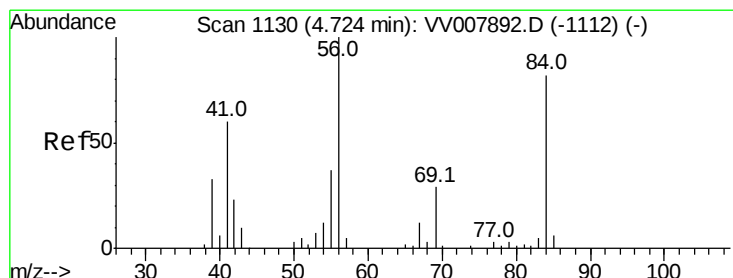
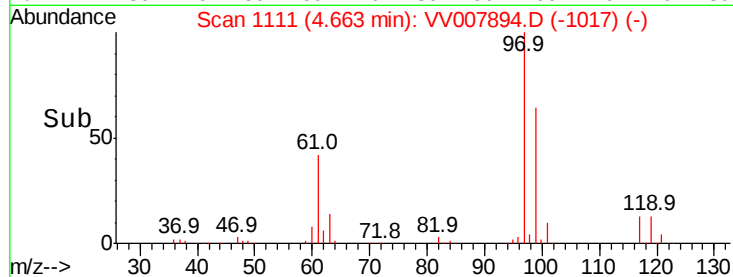
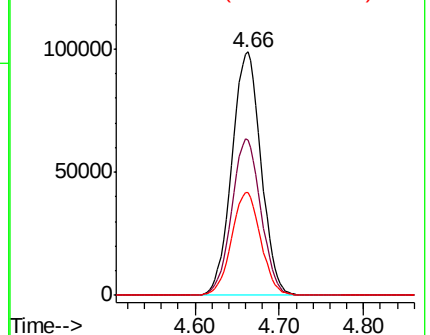
61 42.3 34.6 52.0



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: 23.089 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

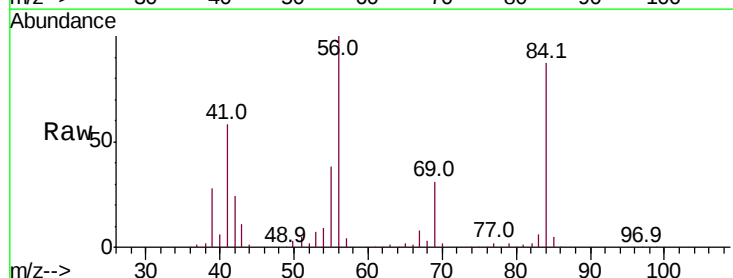
Tgt Ion: 56 Resp: 227588

Ion Ratio Lower Upper

56 100

69 30.5 24.2 36.4

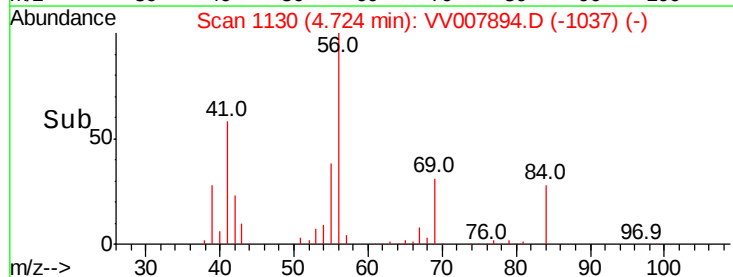
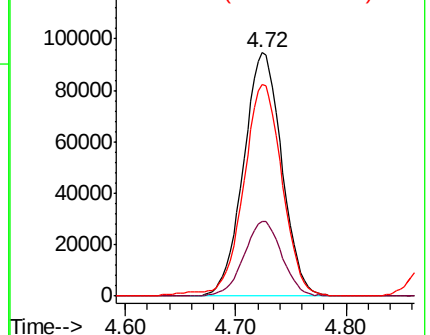
84 88.4 69.8 104.8

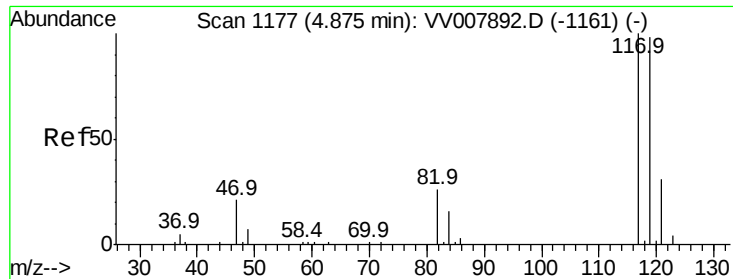


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0



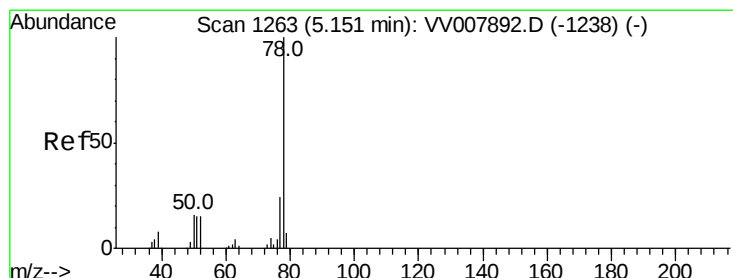
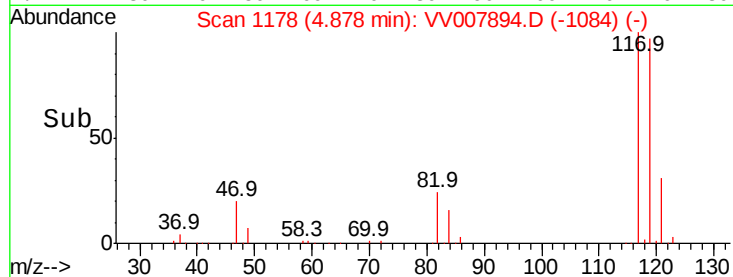
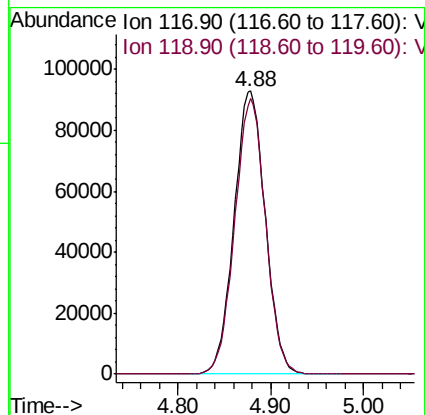
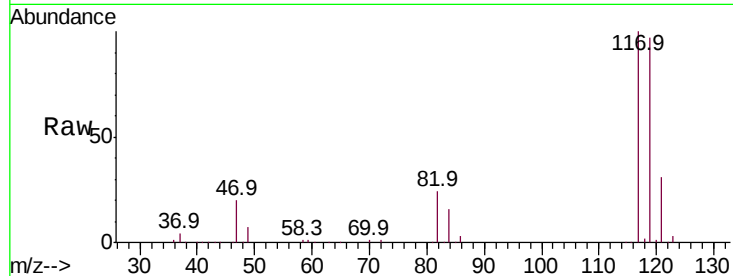


#31

Carbon tetrachloride
 Concen: 21.097 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

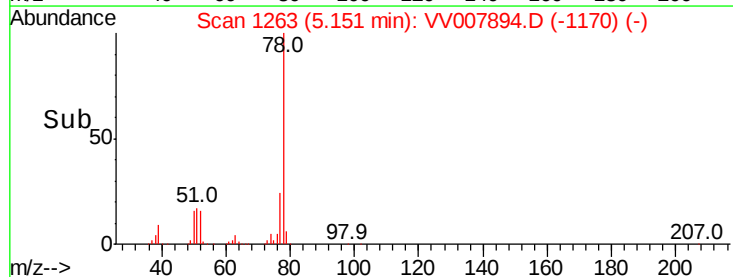
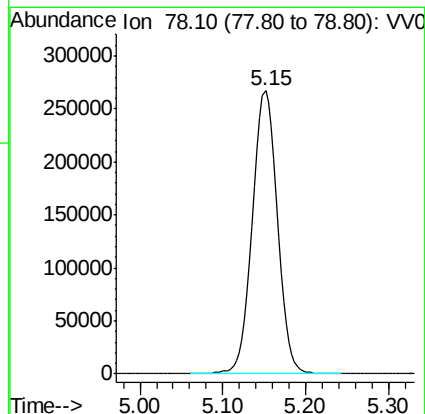
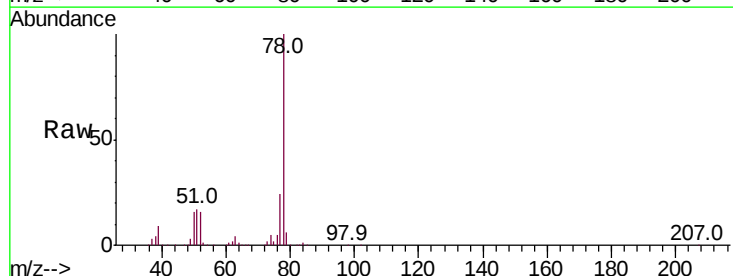
Tot Ion:117 Resp: 216511
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.8 116.8

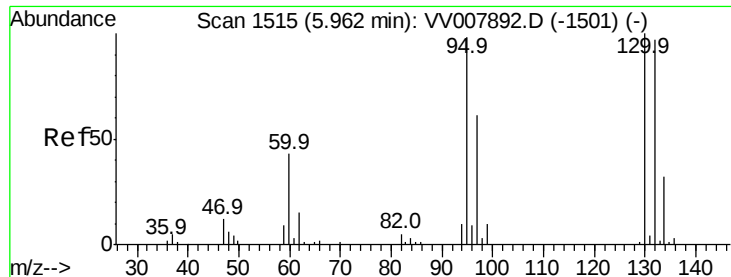


#33

Benzene
 Concen: 21.753 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 78 Resp: 560182

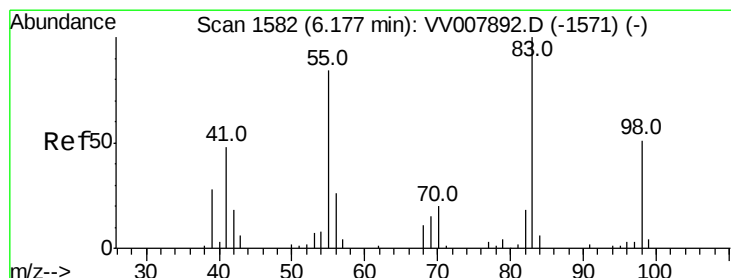
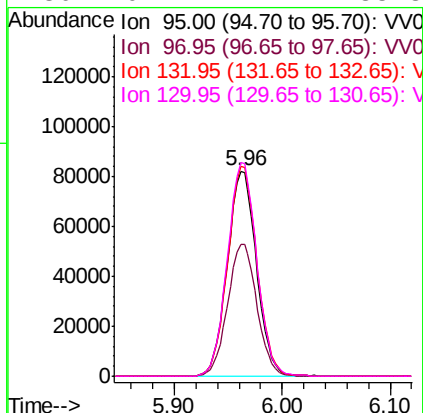
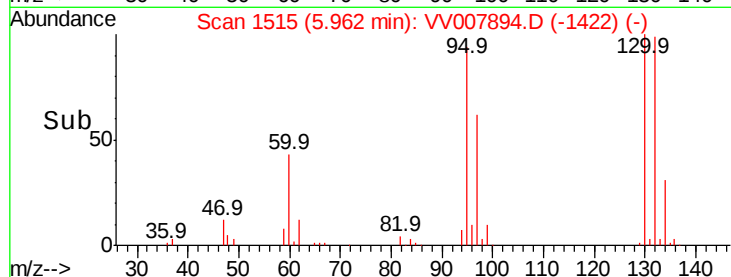
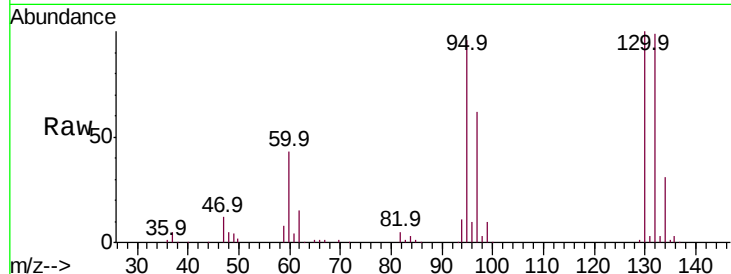




#34
 Trichloroethene
 Concen: 20.550 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

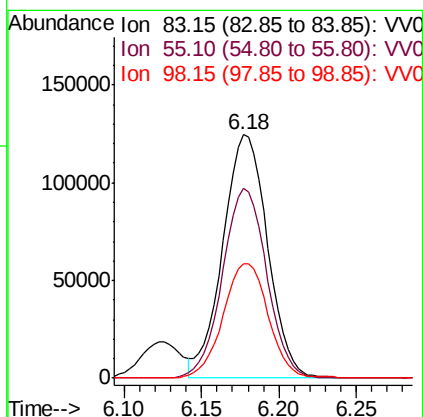
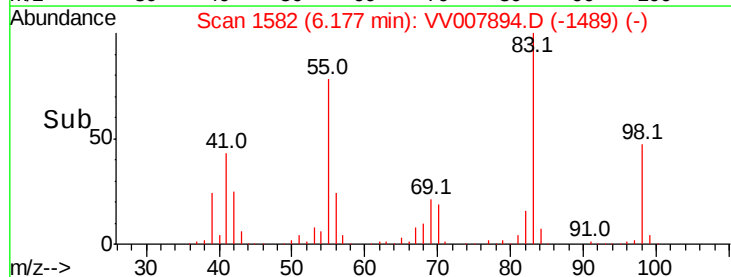
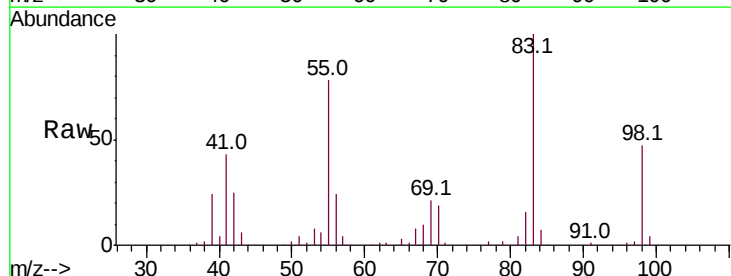
Instrument :
 MSVOA_V
 ClientSampleId :

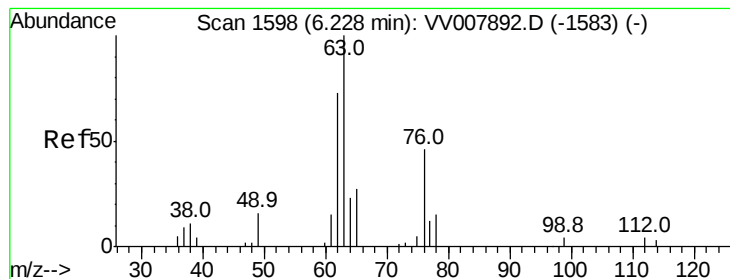
Tot Ion: 95 Resp: 154057
 Ion Ratio Lower Upper
 95 100
 97 64.5 43.6 81.0
 132 102.5 69.9 129.9
 130 104.1 71.7 133.3



#35
 Methylcyclohexane
 Concen: 21.743 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 83 Resp: 250401
 Ion Ratio Lower Upper
 83 100
 55 77.2 62.2 93.2
 98 47.8 38.0 57.0





#37

1,2-Dichloropropane

Concen: 22.962 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

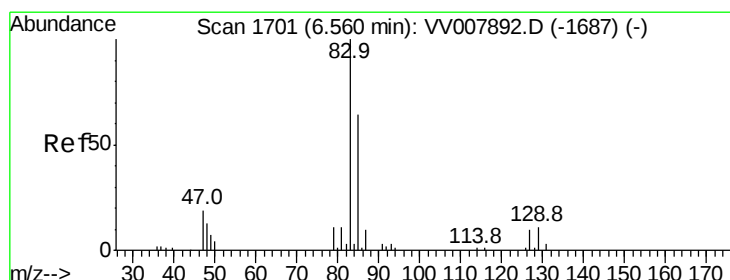
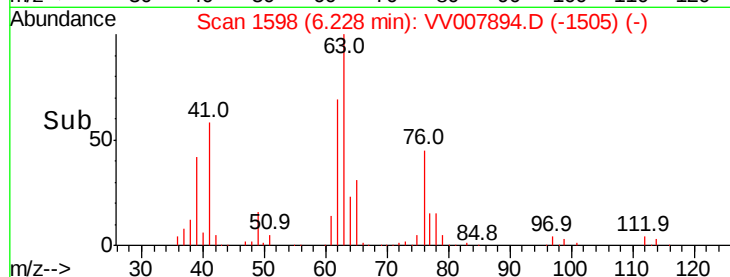
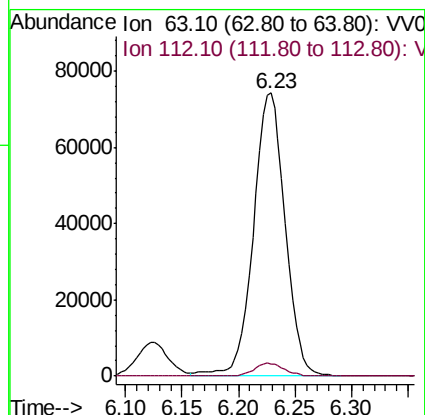
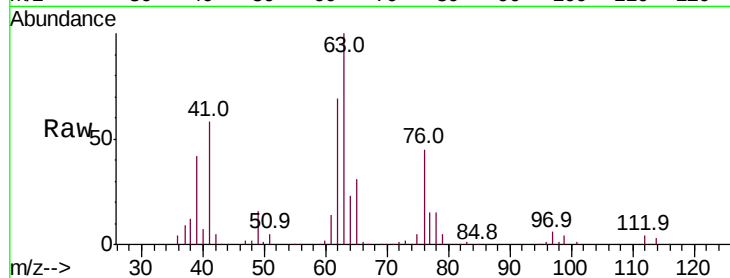
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 143937

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



#38

Bromodichloromethane

Concen: 22.338 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

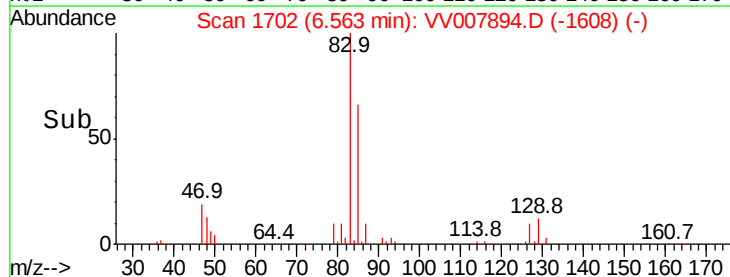
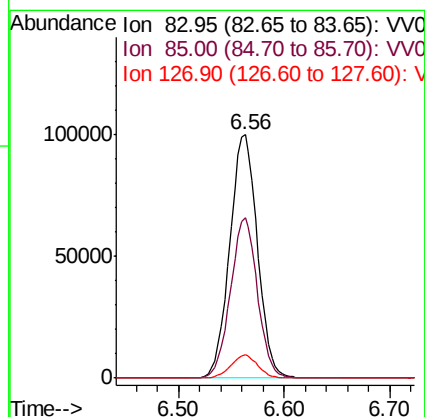
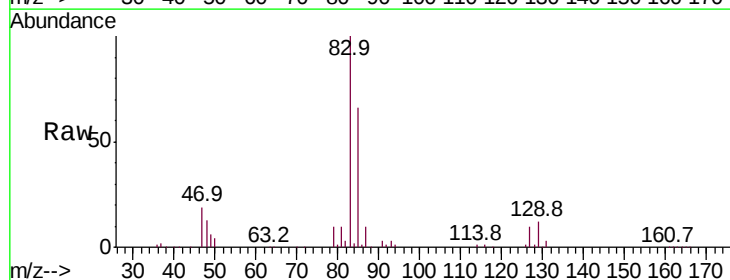
Tgt Ion: 83 Resp: 181215

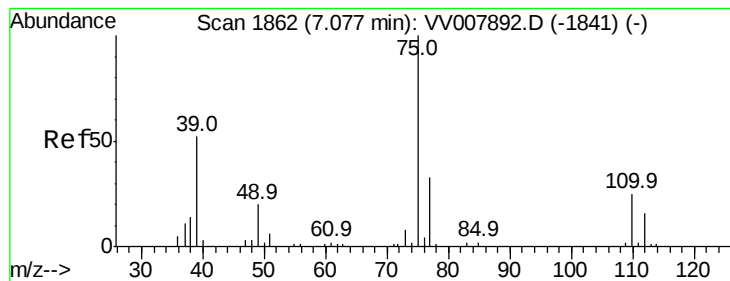
Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9

127 9.5 7.8 11.6



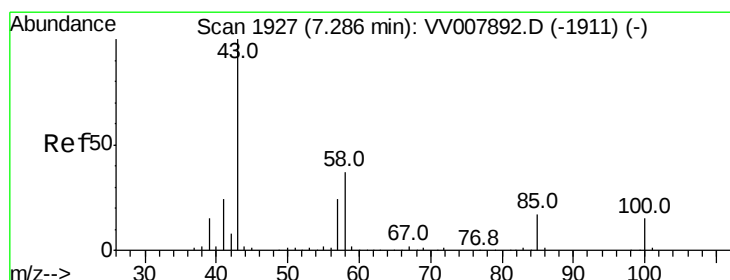
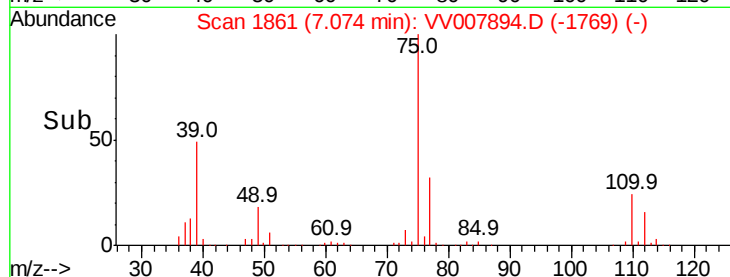
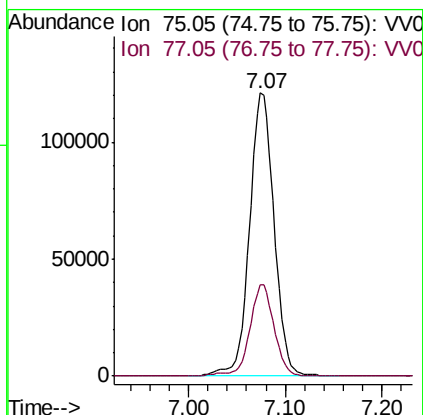
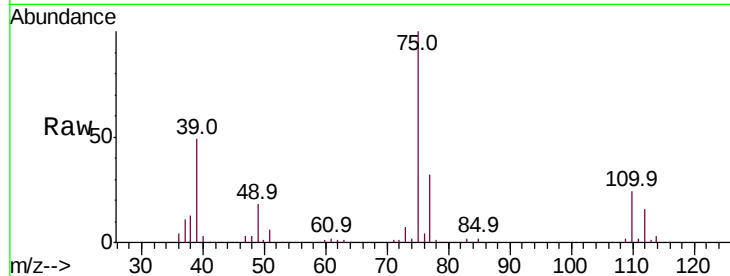


#39

cis-1,3-Dichloropropene
 Concen: 24.084 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

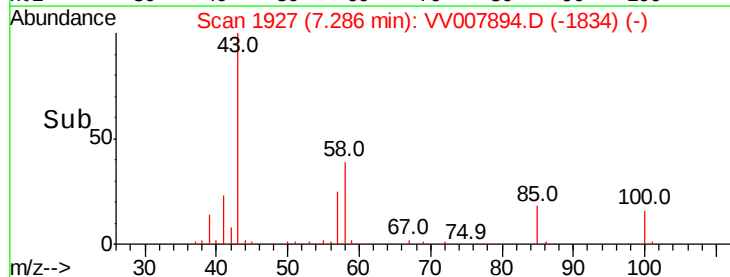
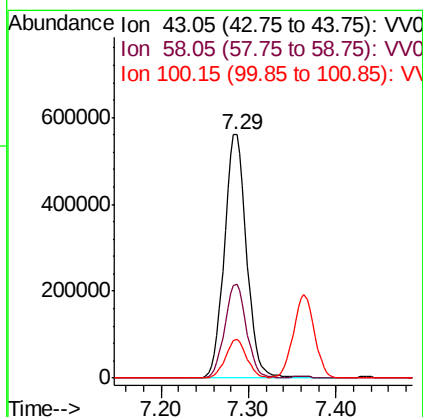
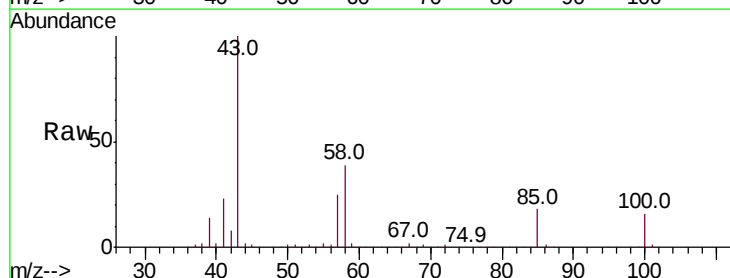
Tot Ion: 75 Resp: 213816
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.9 42.5

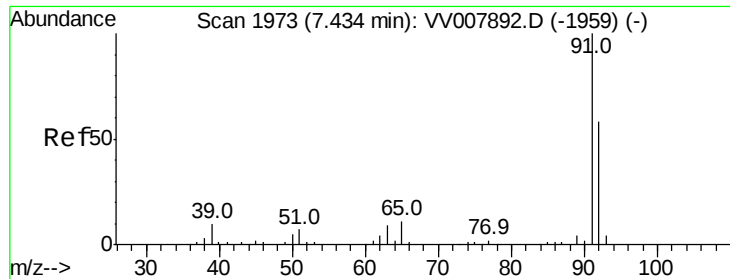


#40

4-Methyl-2-pentanone
 Concen: 283.831 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion: 43 Resp: 990420
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.4 44.0
 100 15.1 11.5 17.3





#42

Toluene

Concen: 22.031 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

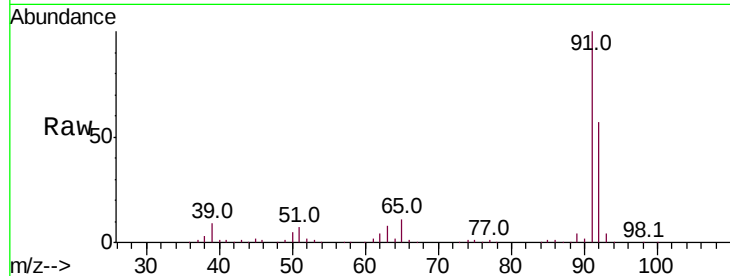
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 638033

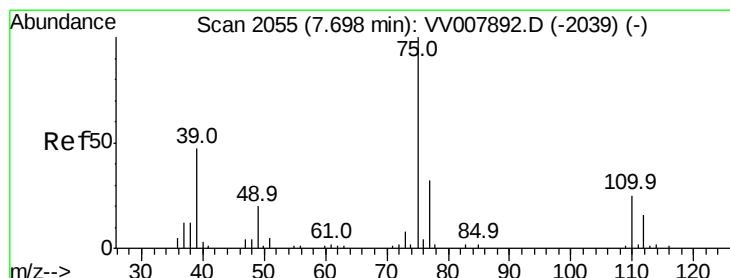
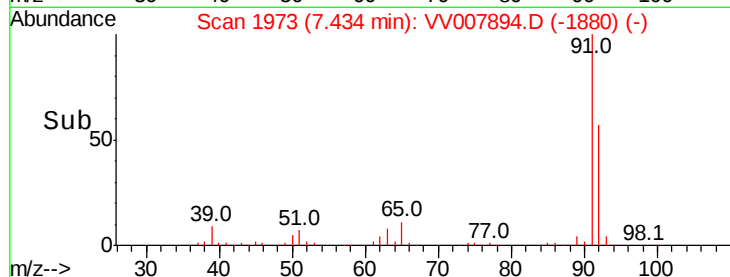
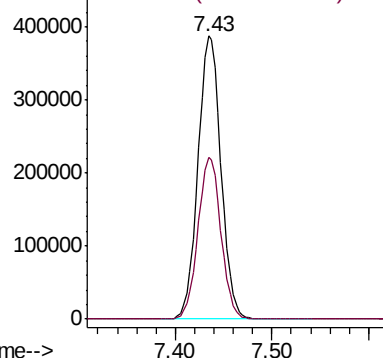
Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



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



#44

trans-1,3-Dichloropropene

Concen: 25.268 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007894.D

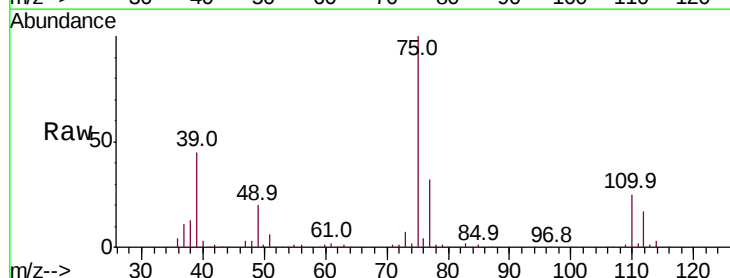
Acq: 26 Sep 2018 20:23

Tgt Ion: 75 Resp: 183416

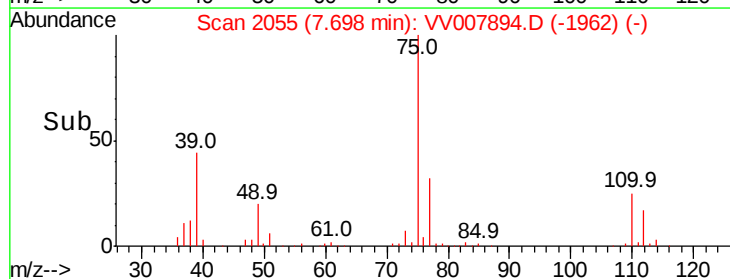
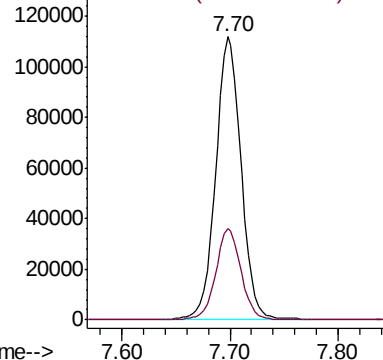
Ion Ratio Lower Upper

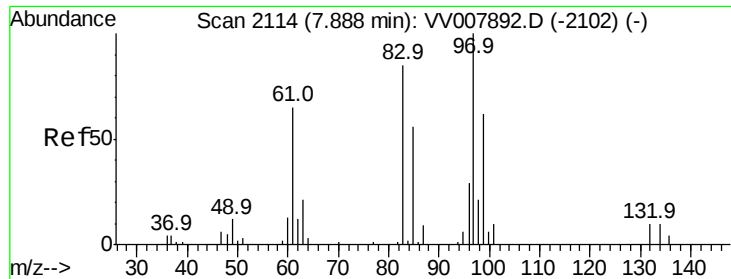
75 100

77 32.4 22.3 41.5



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

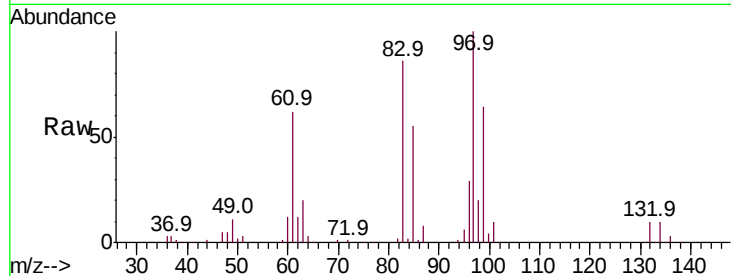




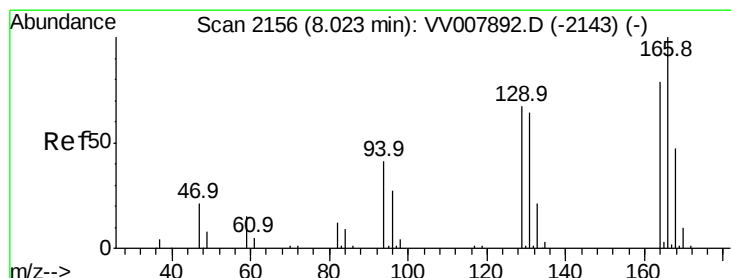
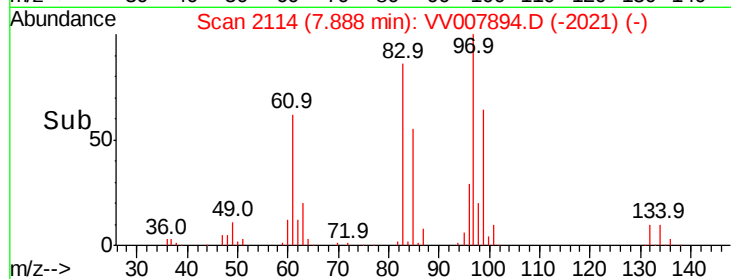
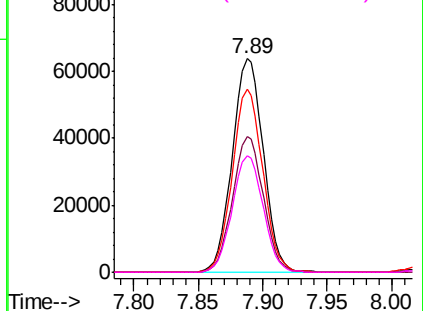
#45
 1,1,2-Trichloroethane
 Concen: 22.543 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	106879
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.5	80.9
83	85.7	59.7	110.9
85	54.6	39.5	73.3

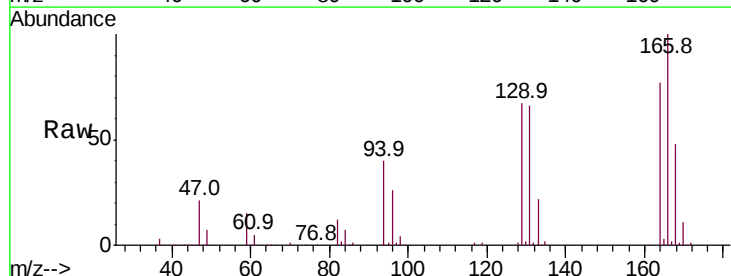


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

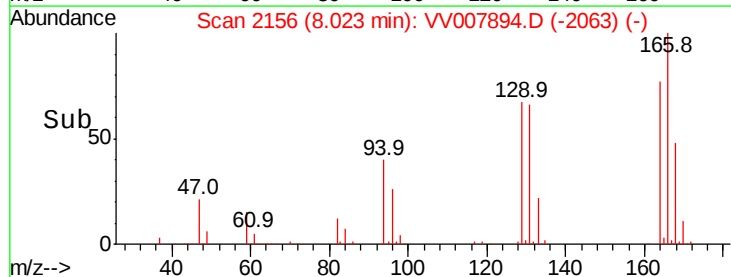
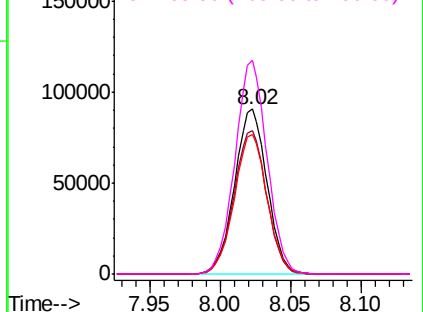


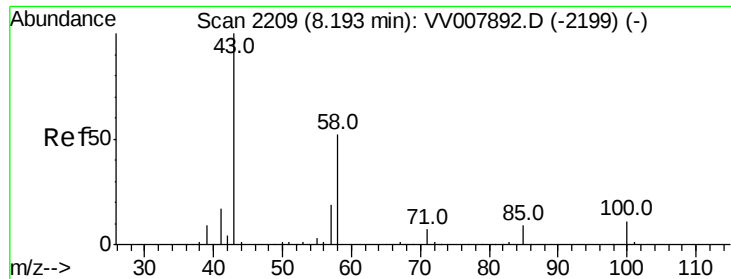
#47
 Tetrachloroethene
 Concen: 20.138 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion:	164	Resp:	146821
Ion	Ratio	Lower	Upper
164	100		
129	87.2	59.2	110.0
131	85.0	57.1	106.1
166	129.8	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

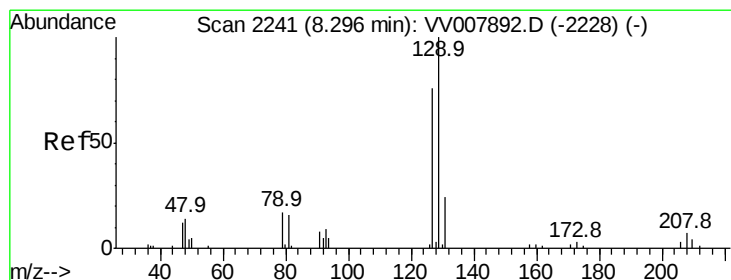
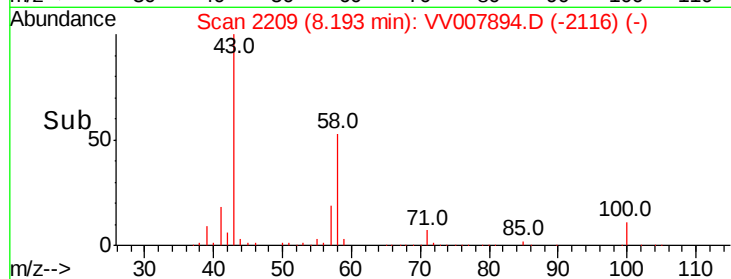
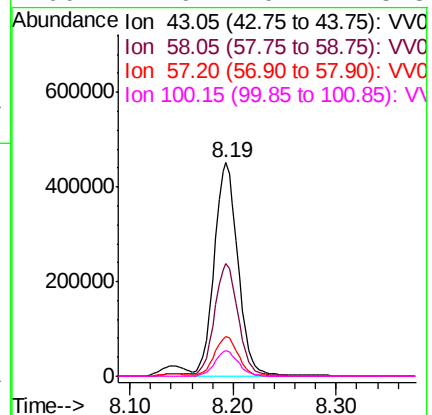
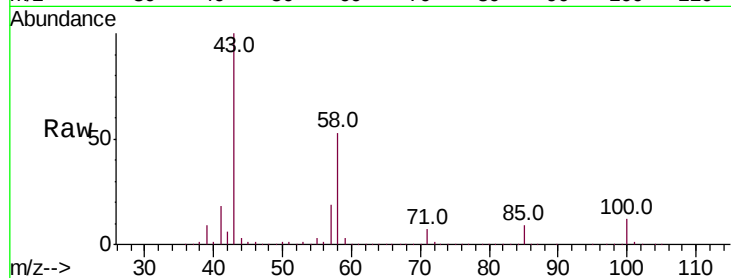




#48
2-Hexanone
Concen: 289.140 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

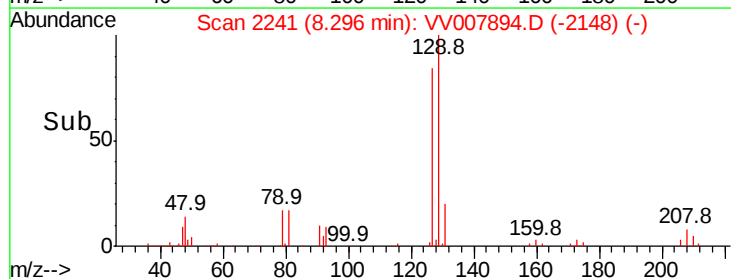
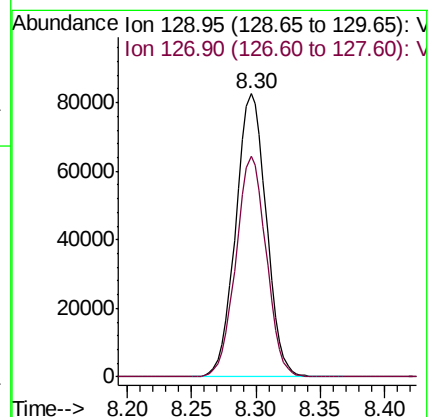
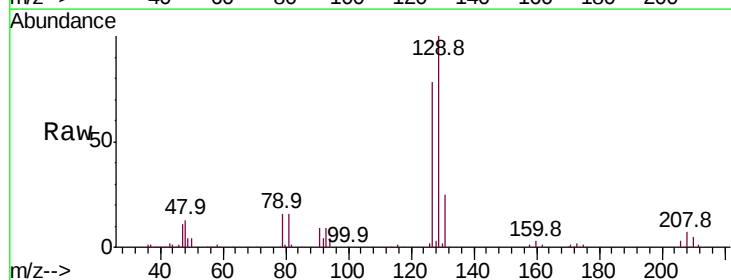
Instrument :
MSVOA_V
ClientSampleId :

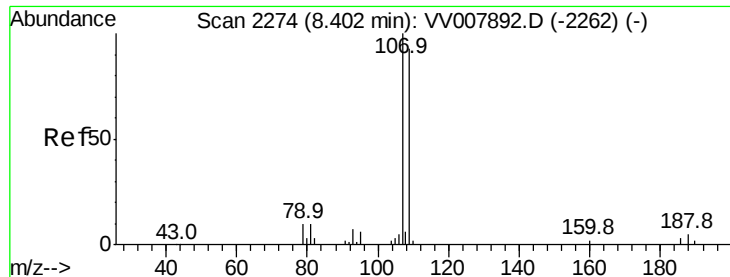
Tot Ion: 43 Resp: 716243
Ion Ratio Lower Upper
43 100
58 53.0 41.9 62.9
57 18.9 14.3 21.5
100 11.9 9.2 13.8



#49
Dibromochloromethane
Concen: 23.479 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

Tgt Ion: 129 Resp: 136317
Ion Ratio Lower Upper
129 100
127 77.9 53.1 98.5

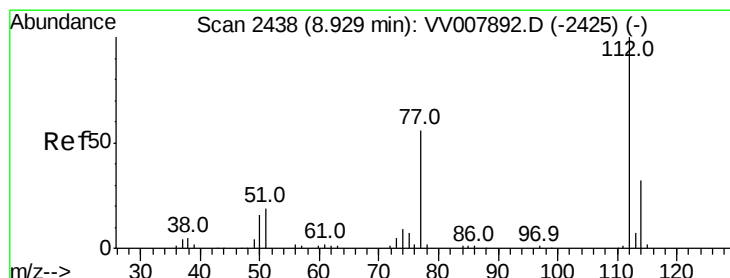
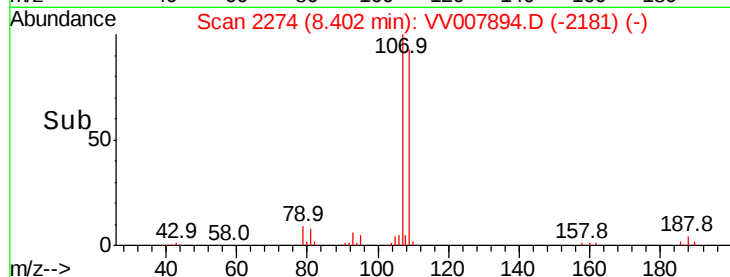
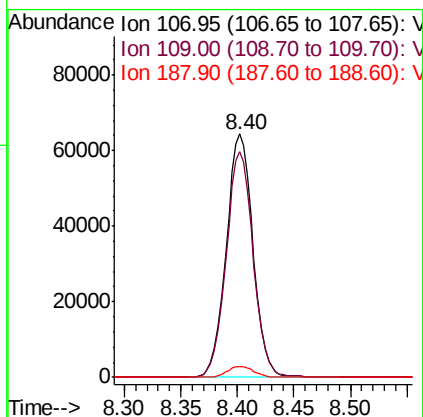
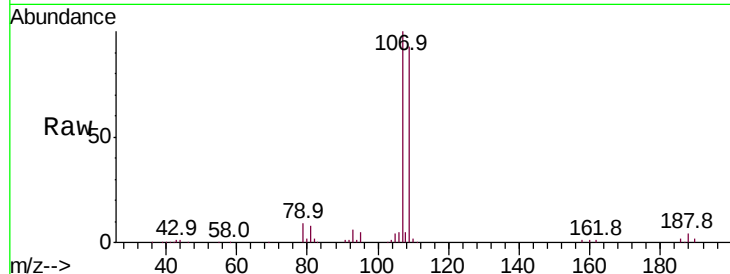




#50
1,2-Dibromoethane
Concen: 23.604 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

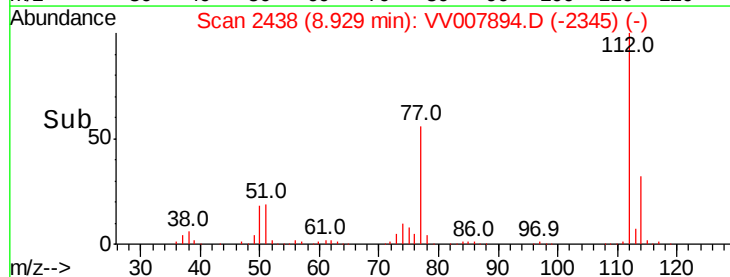
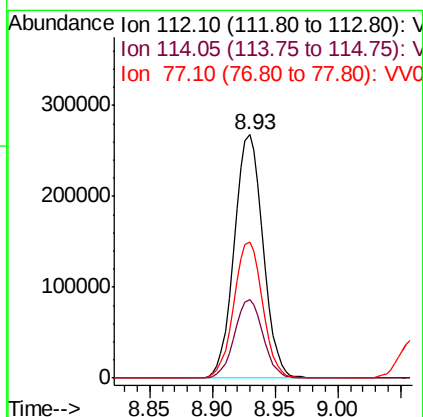
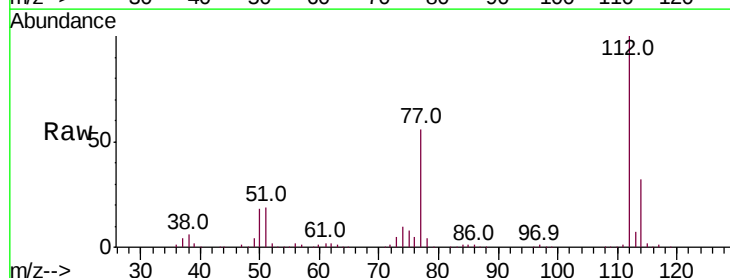
Instrument :
MSVOA_V
ClientSampleId :

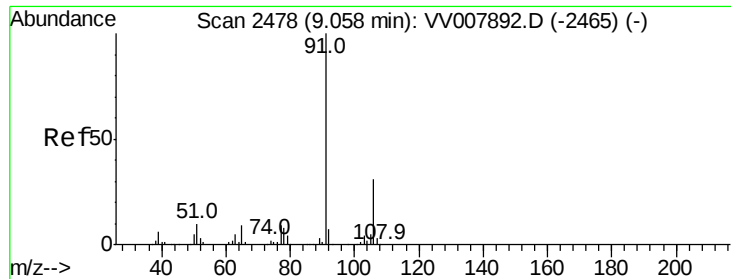
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.9	120.5
188	4.3	4.0	6.0



#51
Chlorobenzene
Concen: 21.359 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.4	41.6
77	56.1	45.0	67.6





#52

Ethylbenzene

Concen: 22.257 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

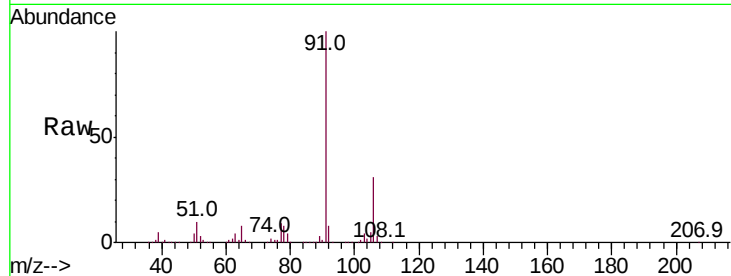
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 728896

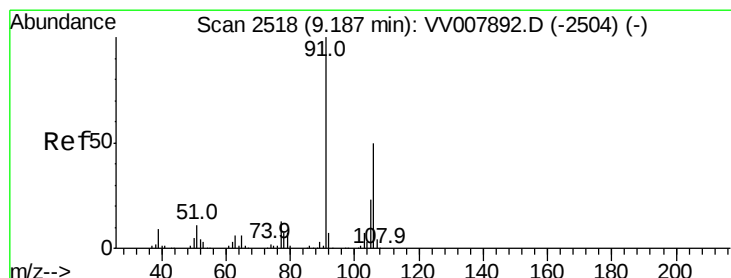
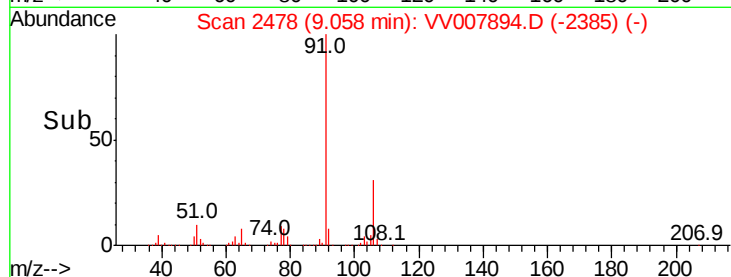
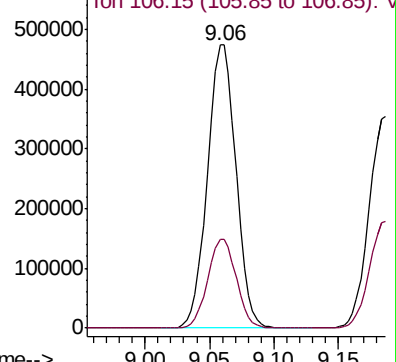
Ion Ratio Lower Upper

91 100

106 31.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007894.D (-2465) (-)



#53

m,p-xylene

Concen: 22.034 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007894.D

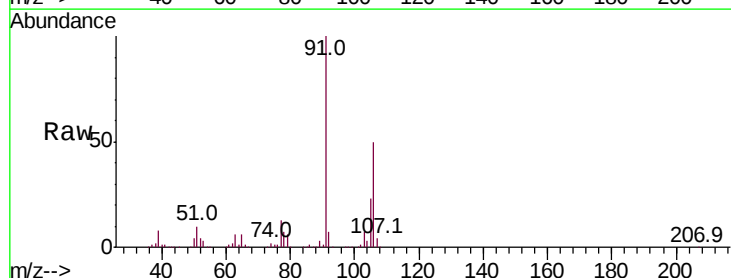
Acq: 26 Sep 2018 20:23

Tgt Ion:106 Resp: 281075

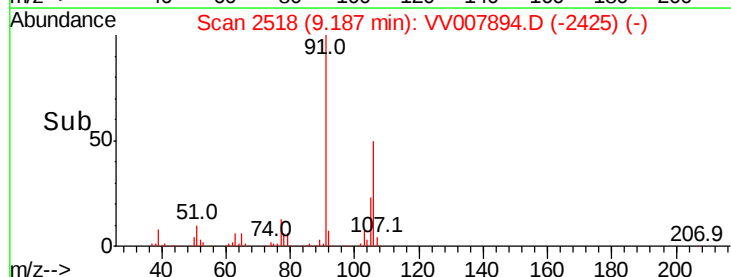
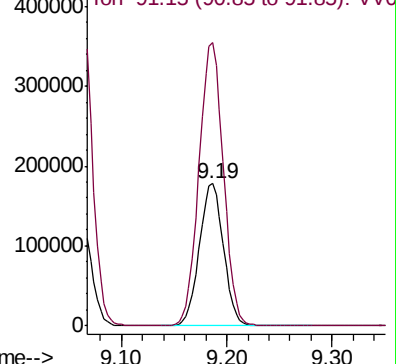
Ion Ratio Lower Upper

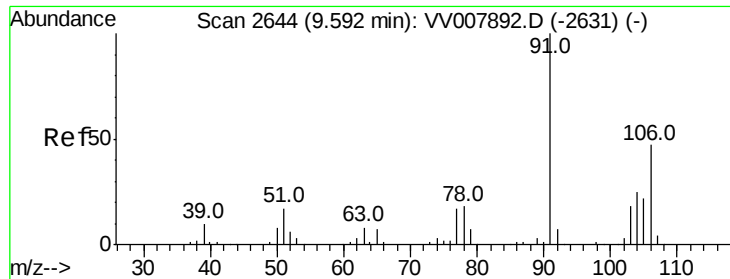
106 100

91 199.0 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007894.D (-2504) (-)

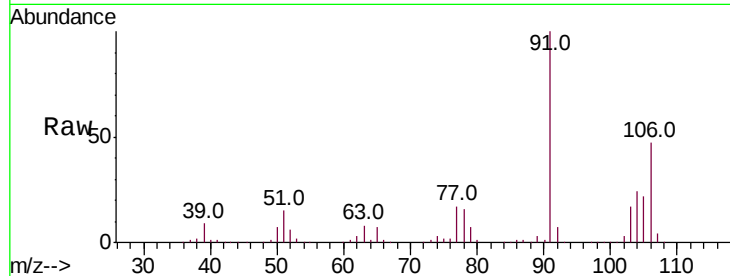




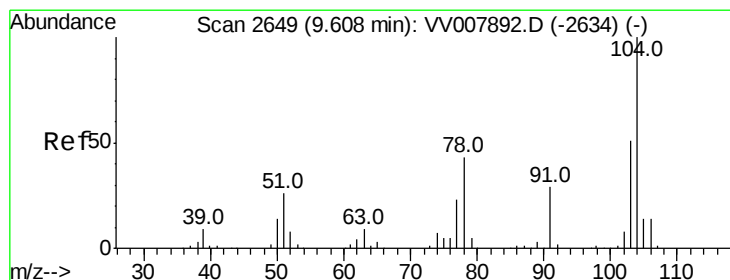
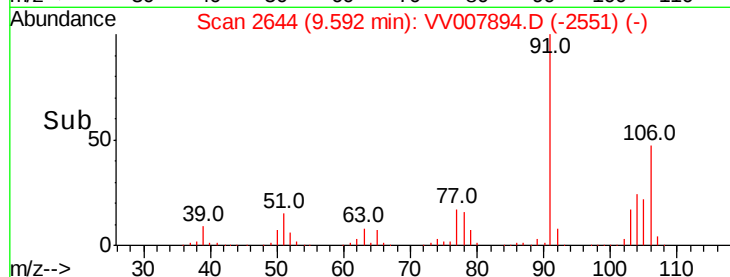
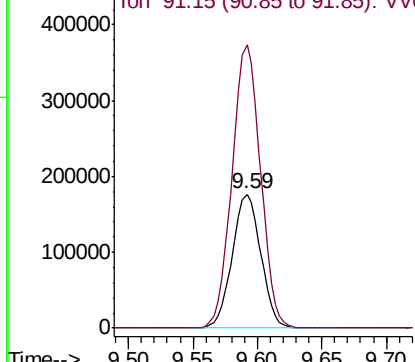
#54
o-xylene
Concen: 21.724 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 272084
Ion Ratio Lower Upper
106 100
91 211.7 150.1 278.9

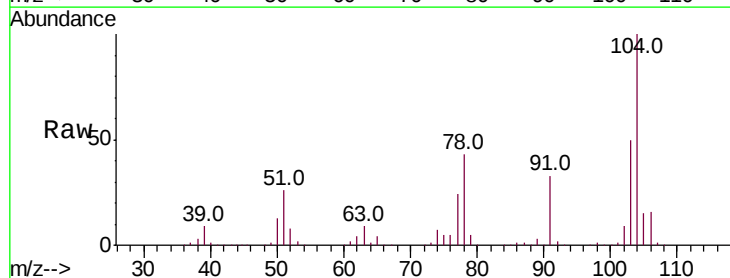


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

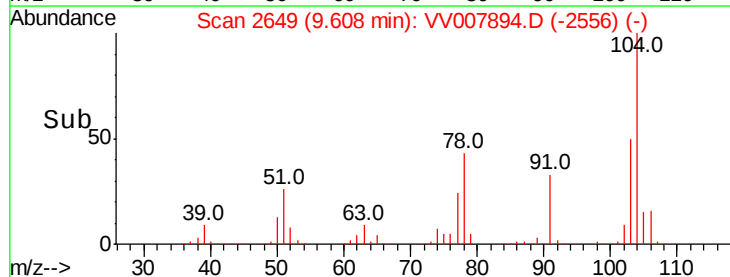
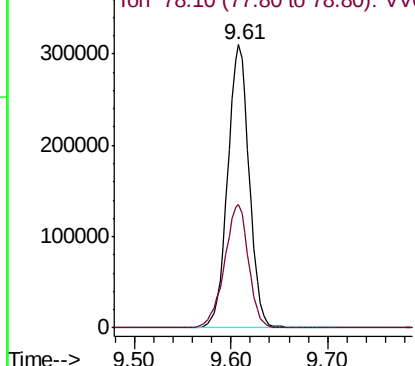


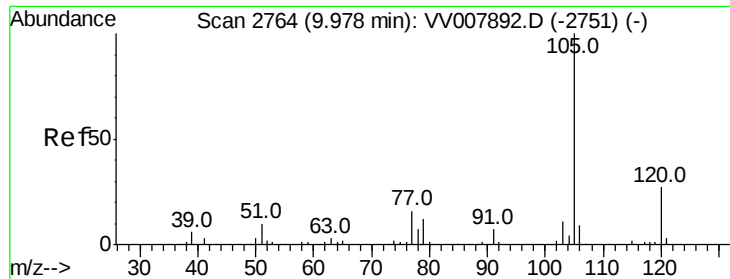
#55
Styrene
Concen: 23.115 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007894.D
Acq: 26 Sep 2018 20:23

Tgt Ion:104 Resp: 477865
Ion Ratio Lower Upper
104 100
78 43.4 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: 21.764 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

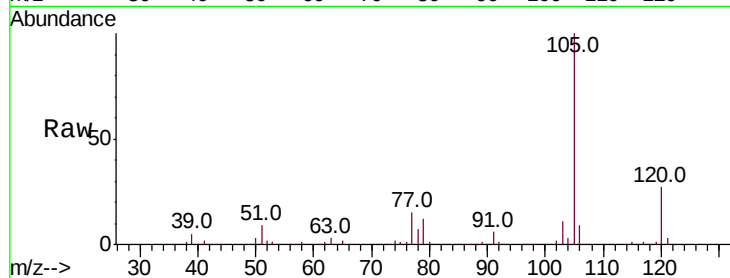
Tot Ion:105 Resp: 744926

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

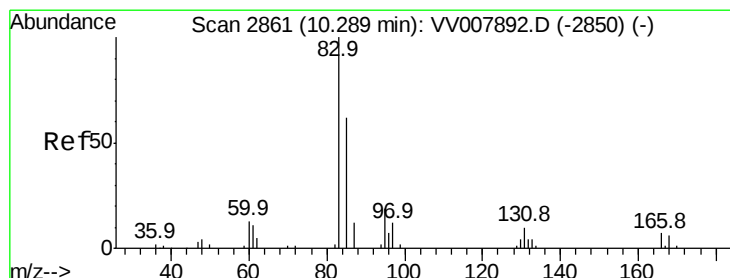
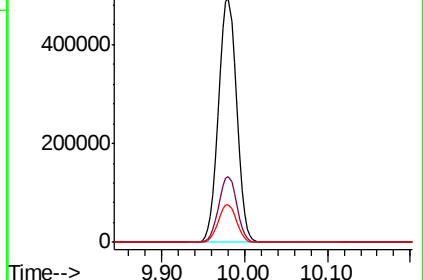
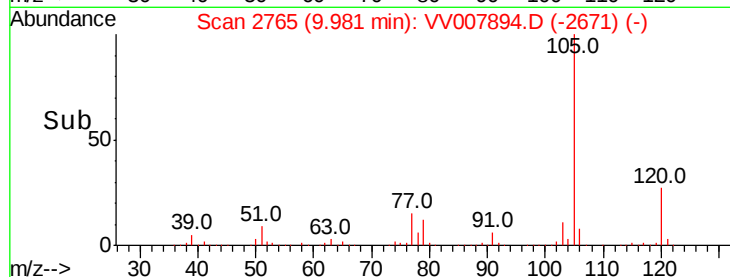
77 15.2 12.7 19.1



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



#58

1,1,2,2-Tetrachloroethane

Concen: 24.147 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

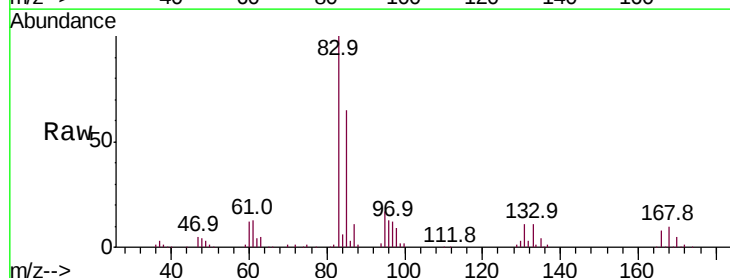
Tgt Ion: 83 Resp: 131765

Ion Ratio Lower Upper

83 100

85 65.5 43.7 81.1

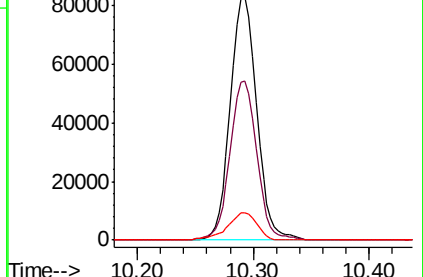
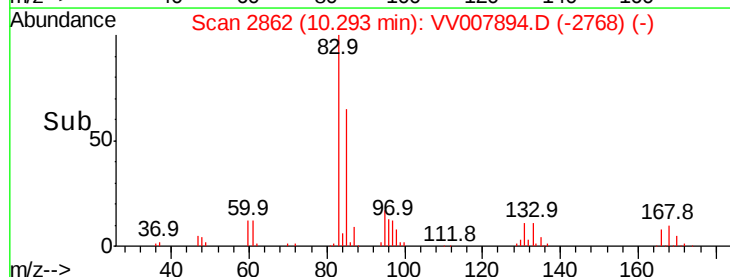
131 11.3 9.0 13.4

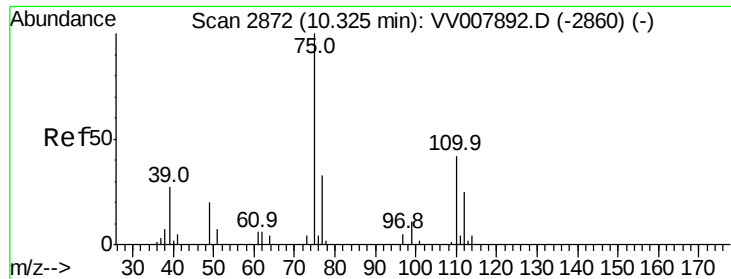


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 24.709 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

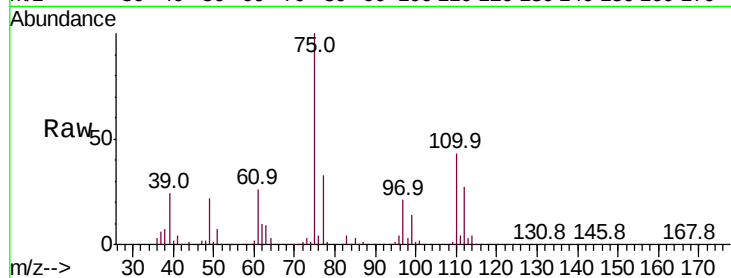
ClientSampleId :

Tot Ion: 75 Resp: 95012

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV007892.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007892.D (-2860) (-)

60000

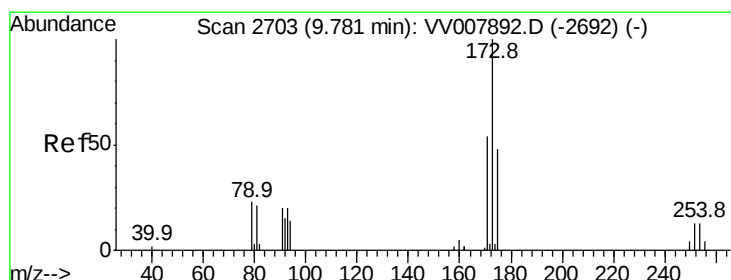
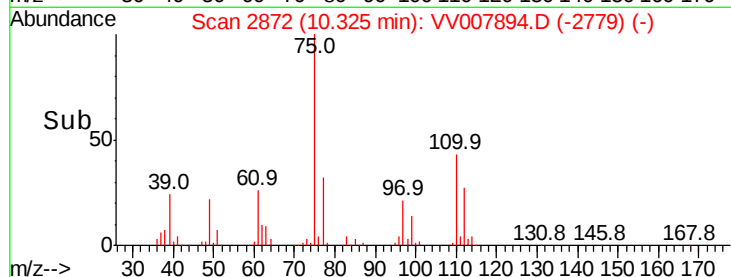
40000

20000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 23.088 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

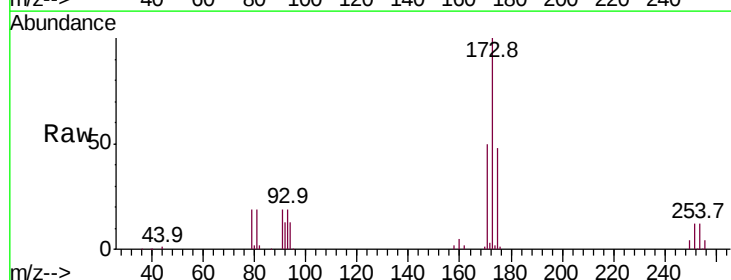
Tgt Ion: 173 Resp: 80729

Ion Ratio Lower Upper

173 100

175 48.4 41.0 61.6

254 11.9 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV007892.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VV007892.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VV007892.D (-2692) (-)

60000

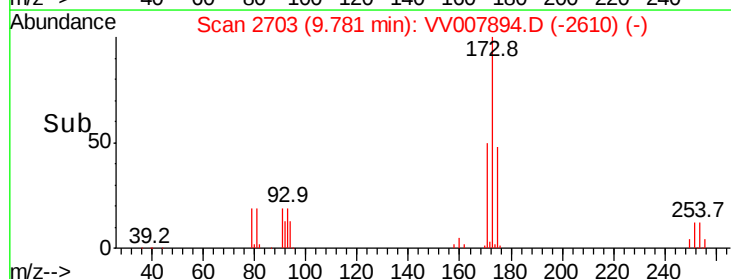
40000

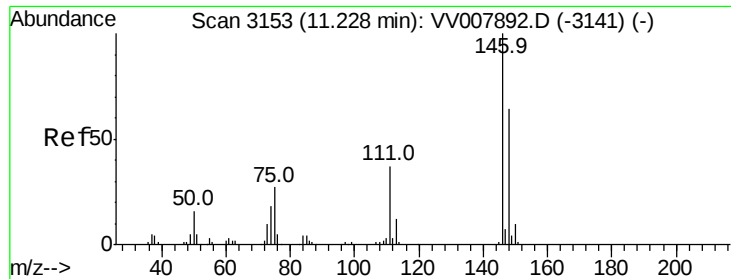
20000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 20.168 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

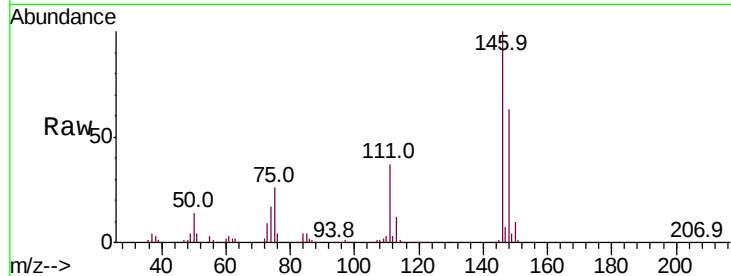
Tot Ion:146 Resp: 371812

Ion Ratio Lower Upper

146 100

111 37.2 25.8 48.0

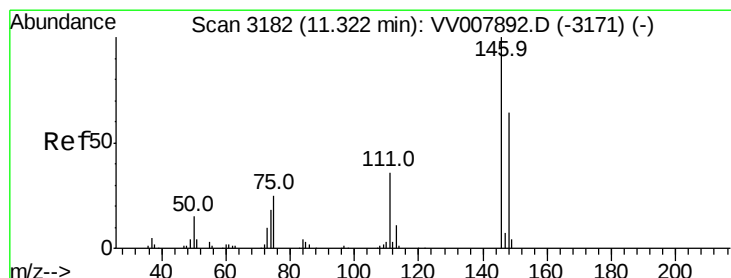
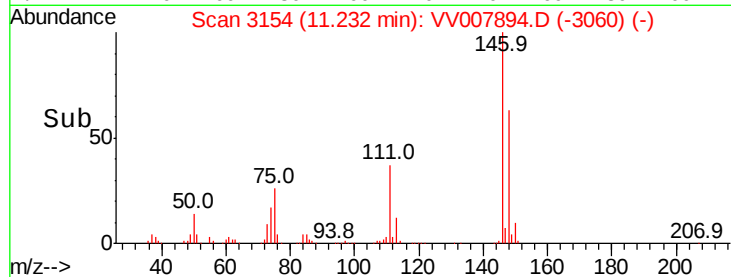
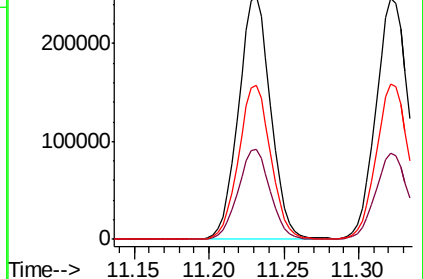
148 63.3 44.7 82.9



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: 20.193 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

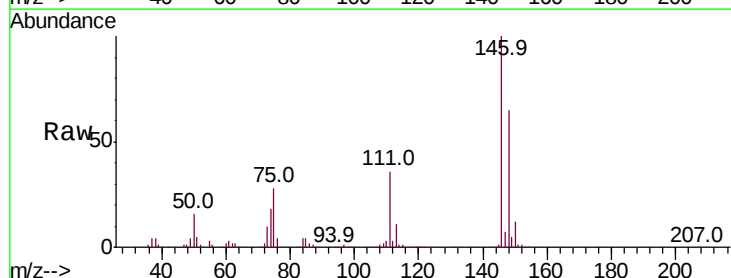
Tgt Ion:146 Resp: 375919

Ion Ratio Lower Upper

146 100

111 35.8 25.3 47.1

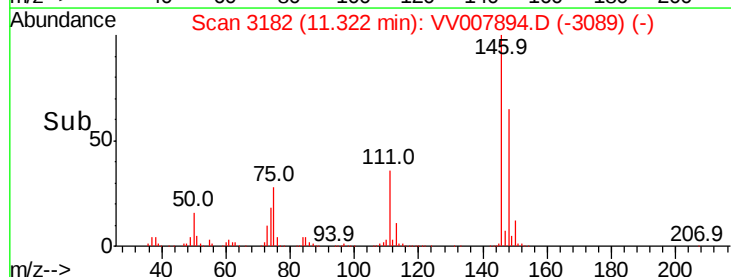
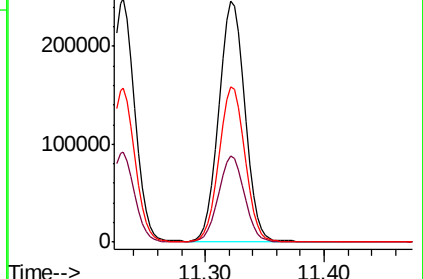
148 64.8 44.7 82.9

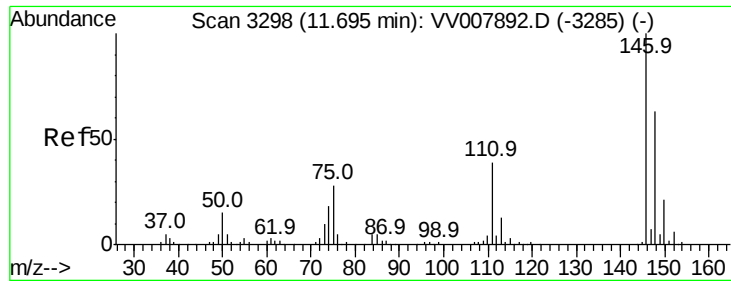


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

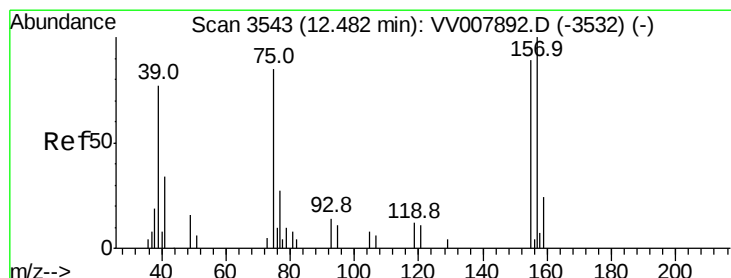
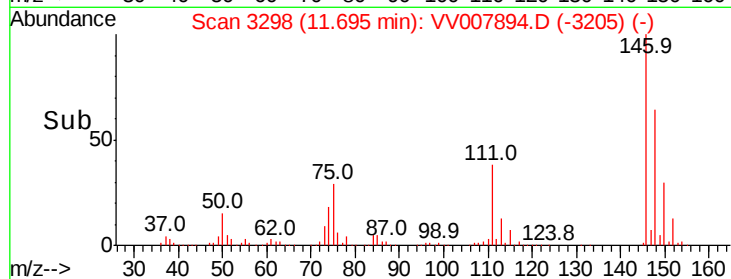
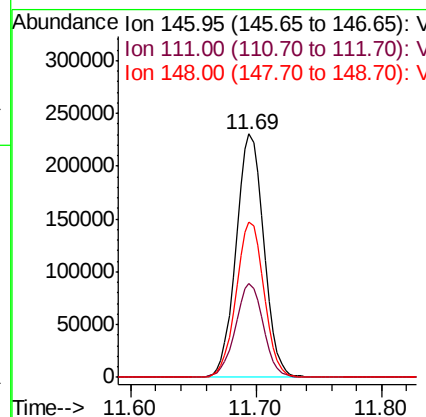
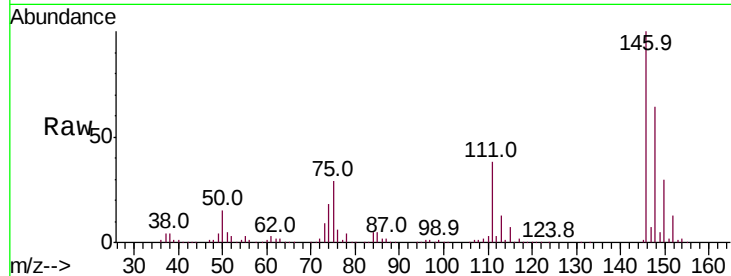




#65
 1,2-Dichlorobenzene
 Concen: 20.402 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

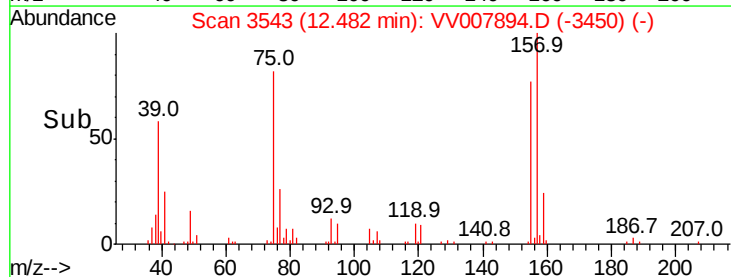
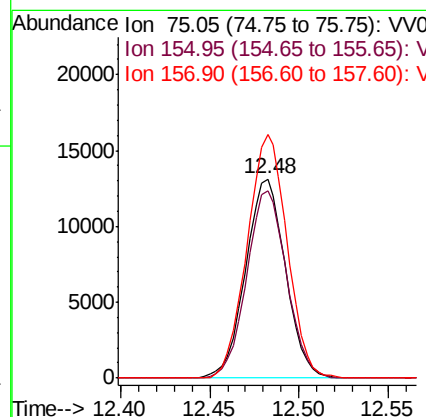
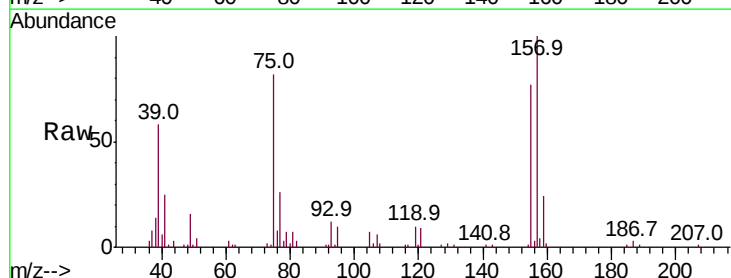
Instrument :
 MSVOA_V
 ClientSampleId :

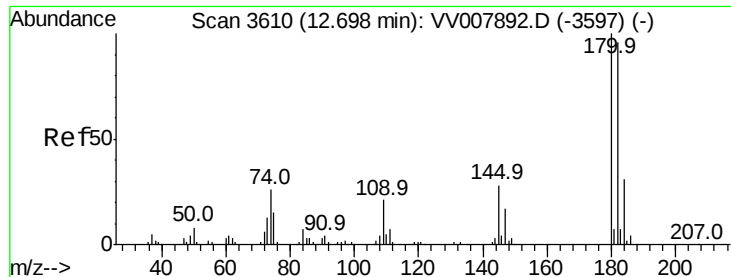
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	31.2	46.8
148	63.9	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.647 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	83.4	125.2
157	122.3	93.9	140.9

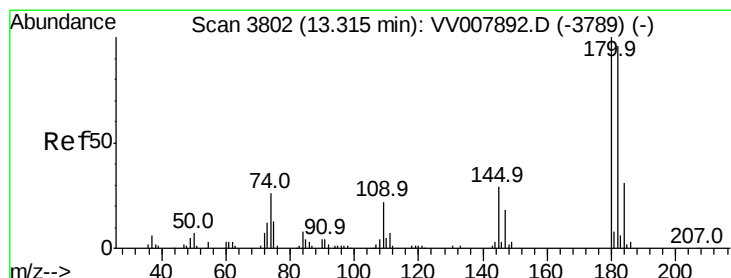
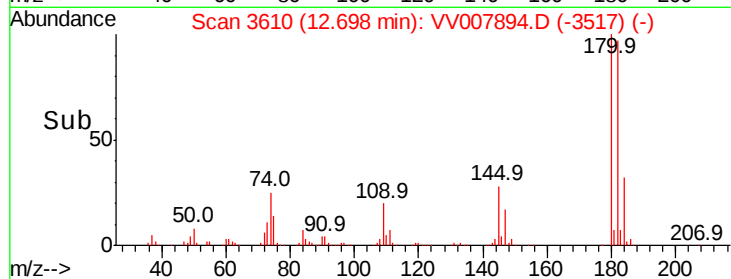
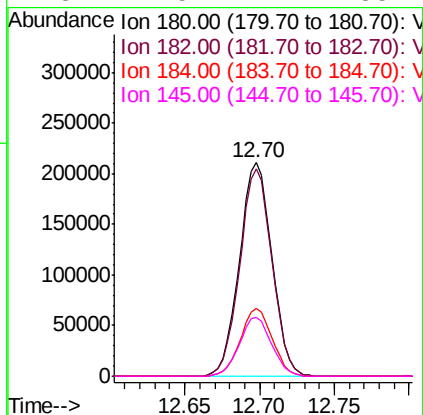
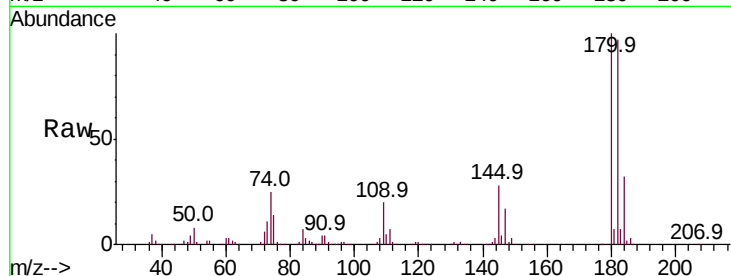




#67
 1,3,5-Trichlorobenzene
 Concen: 20.053 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

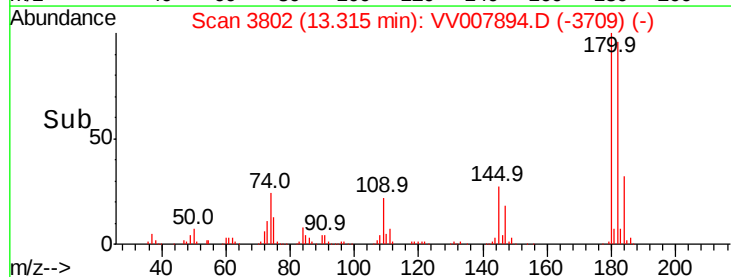
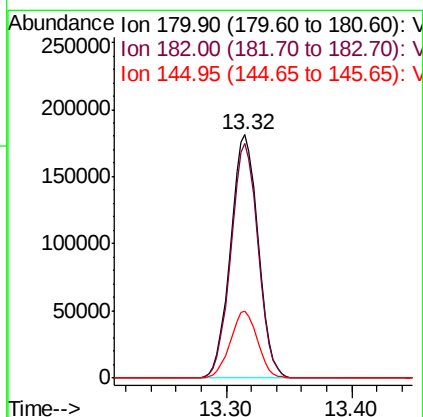
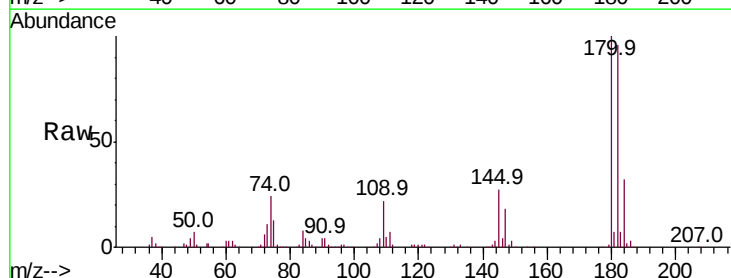
Instrument :
 MSVOA_V
 ClientSampleId :

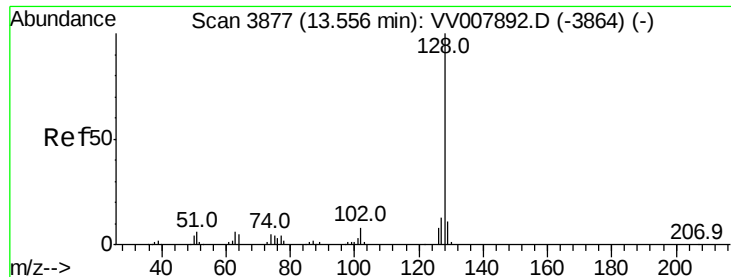
Tot Ion:	180	Resp:	318965
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.4
184	31.2	24.5	36.7
145	27.5	22.2	33.4



#68
 1,2,4-trichlorobenzene
 Concen: 21.333 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007894.D
 Acq: 26 Sep 2018 20:23

Tgt Ion:	180	Resp:	277137
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.2
145	27.2	22.6	33.8





#69

Naphthalene

Concen: 22.940 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

Instrument :

MSVOA_V

ClientSampleId :

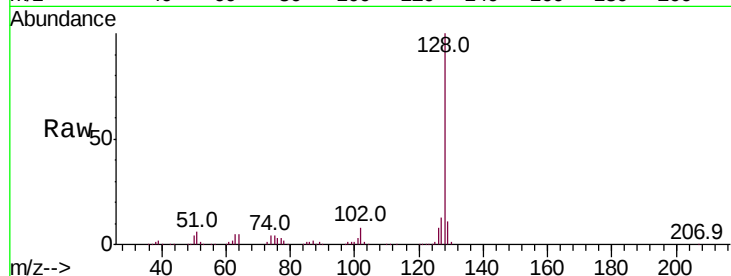
Tot Ion:128 Resp: 441231

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

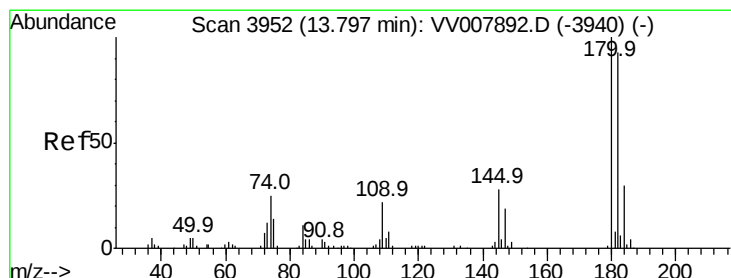
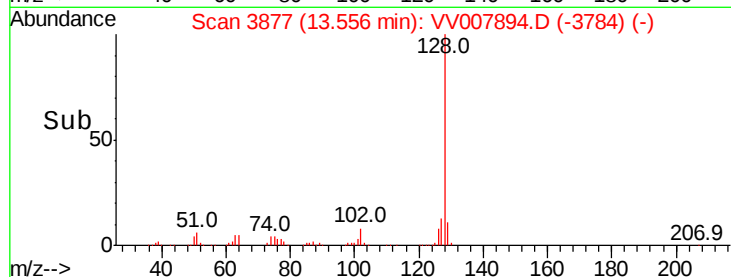
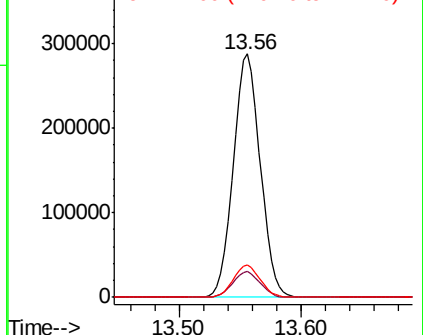
127 13.3 10.3 15.5



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: 21.302 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007894.D

Acq: 26 Sep 2018 20:23

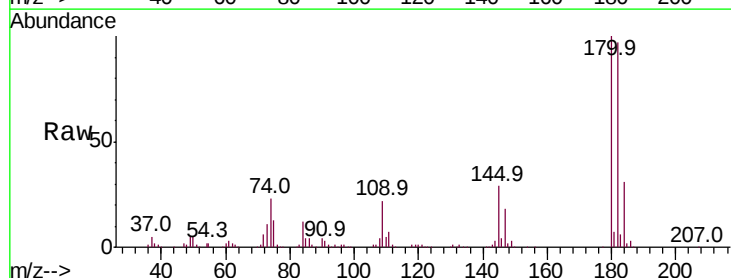
Tgt Ion:180 Resp: 256441

Ion Ratio Lower Upper

180 100

182 95.7 75.7 113.5

145 29.3 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

