

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
 Data File : VV007066.D
 Acq On : 20 Aug 2018 11:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Aug 21 03:55:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 03:36:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	332650	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	319088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	148593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80398	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.58	69	75100	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	165620	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	3.97	46	253025	40.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.94%
24) Chloroform-d	4.40	84	193124	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.09	65	93746	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.10	84	365100	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	121758	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.36	98	326324	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.67	79	41301	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	135066	33.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	92251	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	108625	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135026	4.168	ug/L 100
3) Chloromethane	1.25	50	140226	4.498	ug/L 99
5) Vinyl chloride	1.32	62	133344	4.139	ug/L 98
6) Bromomethane	1.54	94	42015	6.008	ug/L 99
8) Chloroethane	1.60	64	82454	4.218	ug/L 97
9) Trichlorofluoromethane	1.77	101	181171	4.419	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	111096	4.515	ug/L 98
12) 1,1-Dichloroethene	2.14	96	102267	4.281	ug/L 86
13) Acetone	2.21	43	153044	48.132	ug/L 98
14) Carbon disulfide	2.32	76	312187	3.959	ug/L 99
15) Methyl Acetate	2.47	43	37960	4.242	ug/L 97
16) Methylene chloride	2.54	84	118393	4.111	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	242767	4.239	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	112343	4.392	ug/L 99
19) 1,1-Dichloroethane	3.23	63	231603	5.015	ug/L 97
21) 2-Butanone	4.05	43	309168	44.783	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	124779	4.299	ug/L 99

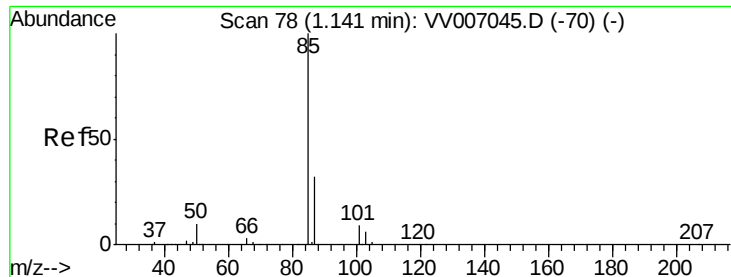
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
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 QLast Update : Sat Aug 18 03:36:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	54372	4.596	ug/L	92
25) Chloroform	4.43	83	227586	4.505	ug/L	100
27) 1,2-Dichloroethane	5.19	62	132398	4.202	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	190924	4.487	ug/L	99
30) Cyclohexane	4.72	56	179396	4.051	ug/L	98
31) Carbon tetrachloride	4.87	117	164975	4.624	ug/L	100
33) Benzene	5.15	78	498067	4.506	ug/L	100
34) Trichloroethene	5.96	95	118402	4.467	ug/L	91
35) Methylcyclohexane	6.18	83	185602	4.361	ug/L	97
37) 1,2-Dichloropropane	6.22	63	129359	4.275	ug/L	99
38) Bromodichloromethane	6.56	83	154653	4.498	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	161706	4.424	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	687312	42.049	ug/L	98
42) Toluene	7.43	91	503490	4.740	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	135023	4.500	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	86900	4.415	ug/L	95
47) Tetrachloroethene	8.02	164	98863	4.600	ug/L	97
48) 2-Hexanone	8.20	43	506177	43.908	ug/L	95
49) Dibromochloromethane	8.30	129	100068	4.846	ug/L	99
50) 1,2-Dibromoethane	8.40	107	75177	4.521	ug/L #	96
51) Chlorobenzene	8.93	112	312261	4.612	ug/L	99
52) Ethylbenzene	9.06	91	484406	4.567	ug/L	100
53) m,p-xylene	9.19	106	185548	4.692	ug/L	100
54) o-xylene	9.59	106	173771	4.638	ug/L	99
55) Styrene	9.61	104	301367	4.772	ug/L	98
56) Isopropylbenzene	9.98	105	461883	4.699	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	104966	4.387	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	75884	4.480	ug/L	100
61) Bromoform	9.78	173	52822	4.694	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	221604	4.609	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	230921	4.686	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	222130	4.697	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12391	3.690	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	170730	4.692	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	117927	4.415	ug/L	99
69) Naphthalene	13.56	128	141643	3.693	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	110326	4.286	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.168 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

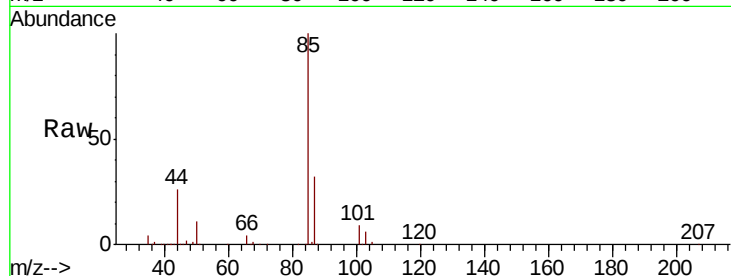
VSTD00565

Tot Ion: 85 Resp: 135026

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV007045.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007045.D (-70) (-)

1.14

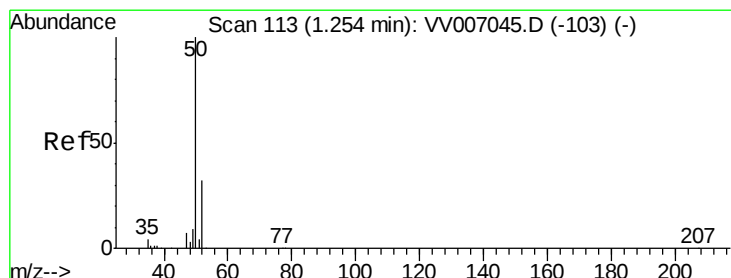
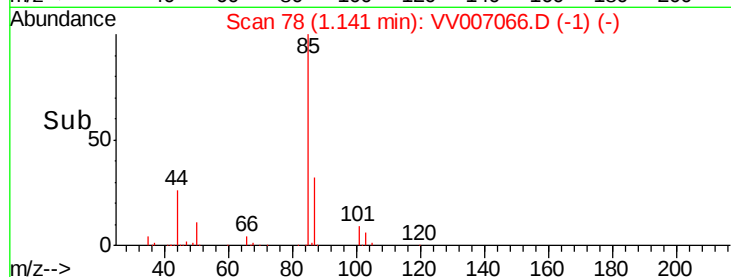
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.498 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007066.D

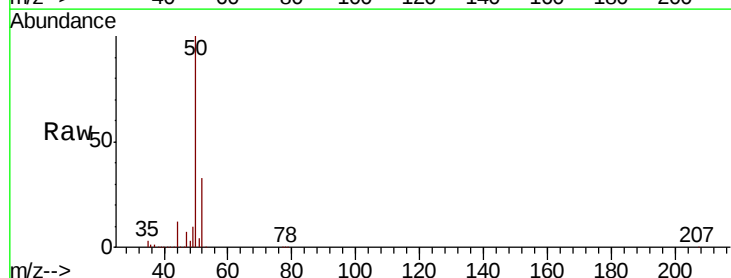
Acq: 20 Aug 2018 11:23

Tgt Ion: 50 Resp: 140226

Ion Ratio Lower Upper

50 100

52 33.3 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV007045.D (-103) (-)

Ion 52.05 (51.75 to 52.75): VV007045.D (-103) (-)

1.25

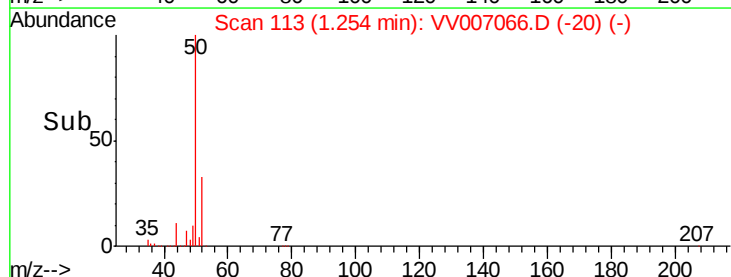
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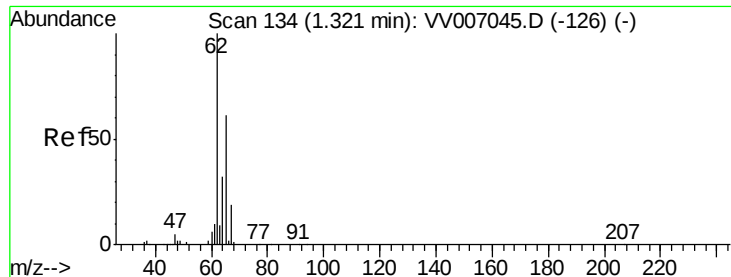
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.139 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampled :

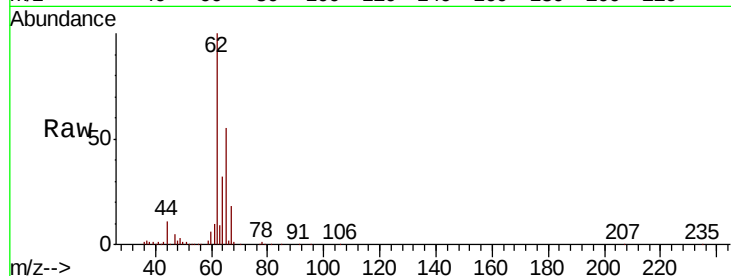
VSTD00565

Tot Ion: 62 Resp: 133344

Ion Ratio Lower Upper

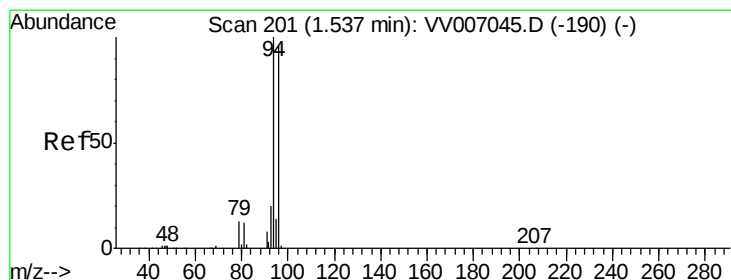
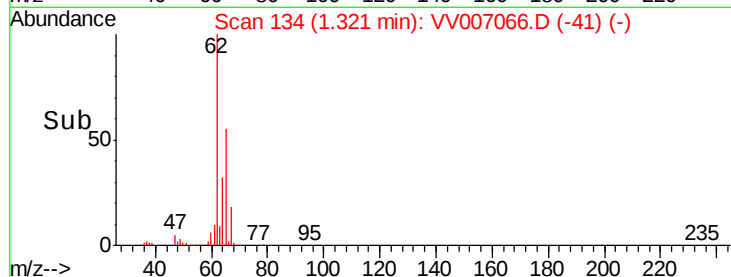
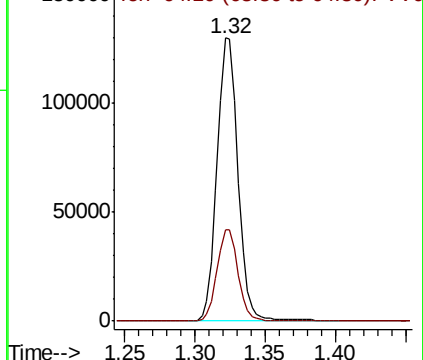
62 100

64 32.3 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV007045.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV007045.D (-126) (-)



#6

Bromomethane

Concen: 6.008 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007066.D

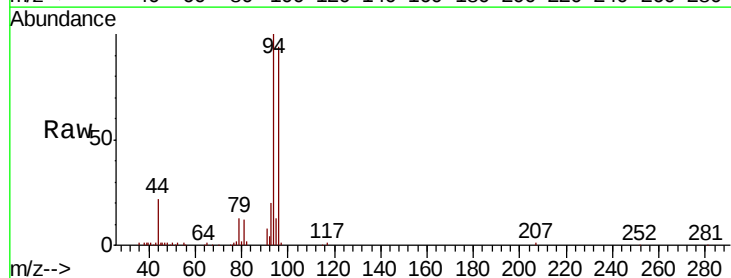
Acq: 20 Aug 2018 11:23

Tgt Ion: 94 Resp: 42015

Ion Ratio Lower Upper

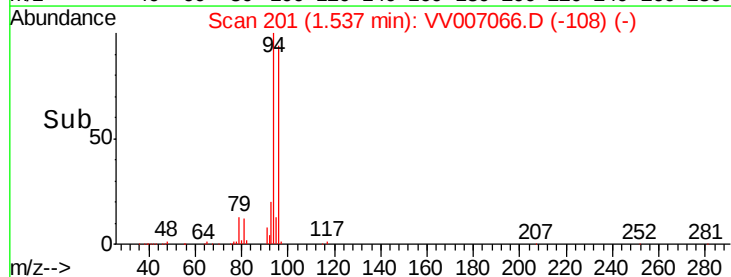
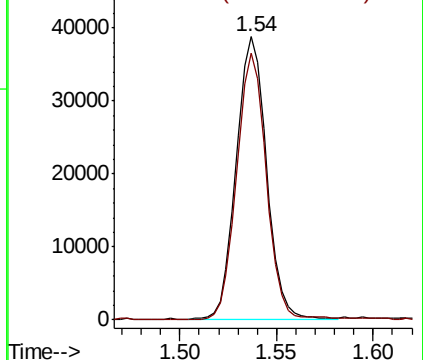
94 100

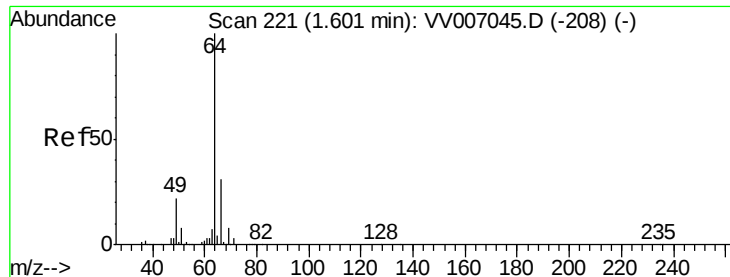
96 94.2 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV007045.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007045.D (-190) (-)

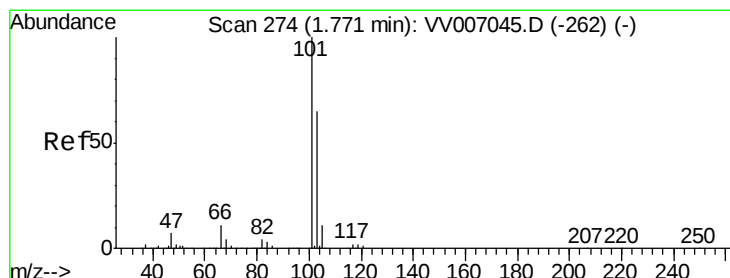
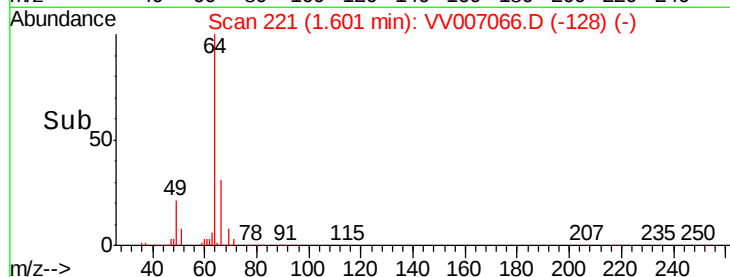
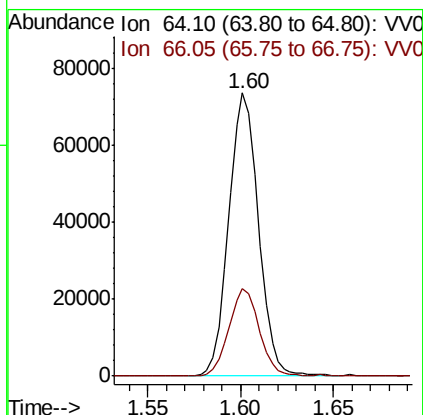
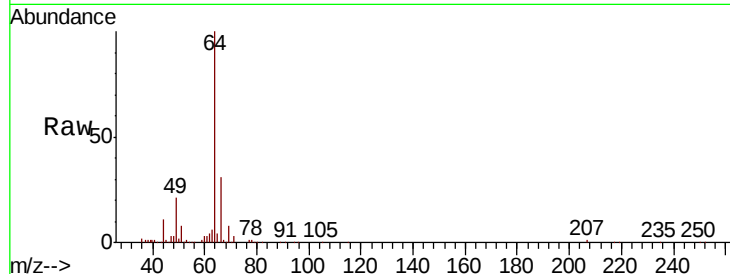




#8
Chloroethane
Concen: 4.218 ug/L
RT: 1.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

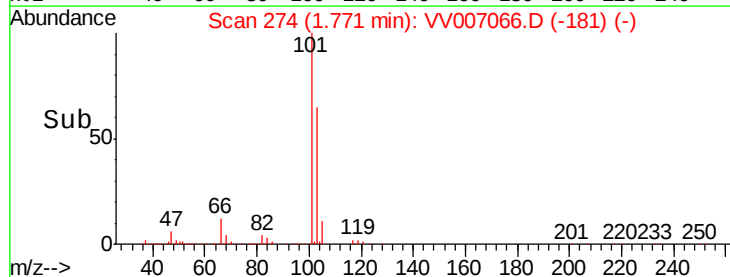
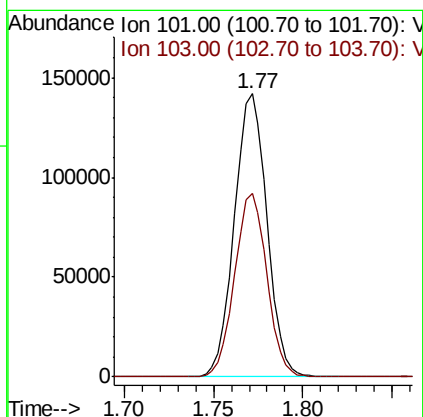
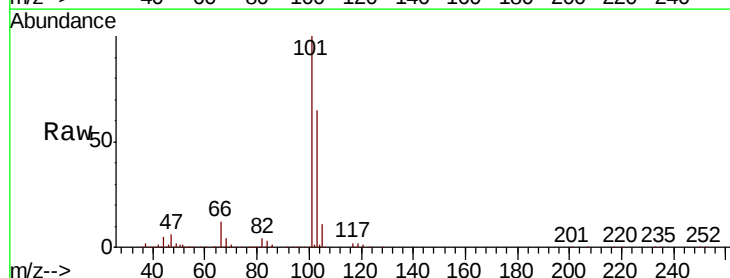
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

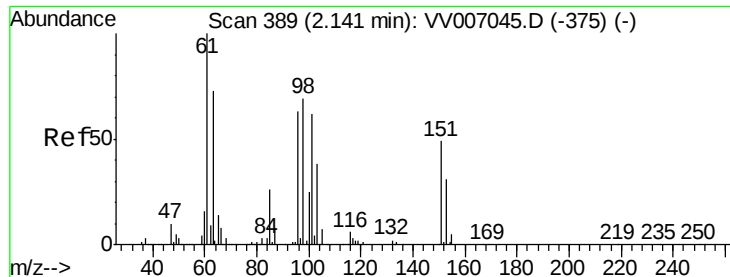
Tot Ion: 64 Resp: 82454
Ion Ratio Lower Upper
64 100
66 30.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.419 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 101 Resp: 181171
Ion Ratio Lower Upper
101 100
103 64.3 52.7 79.1





#10

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

Concen: 4.515 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

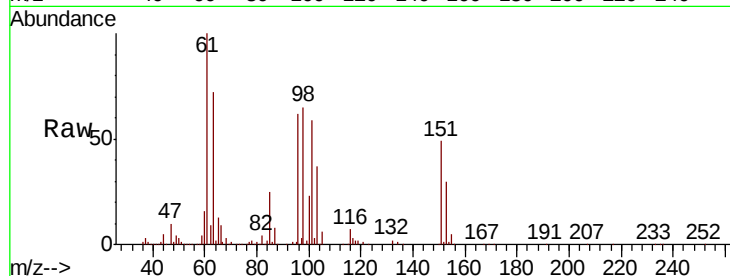
Tot Ion:101 Resp: 111096

Ion Ratio Lower Upper

101 100

85 41.3 33.9 50.9

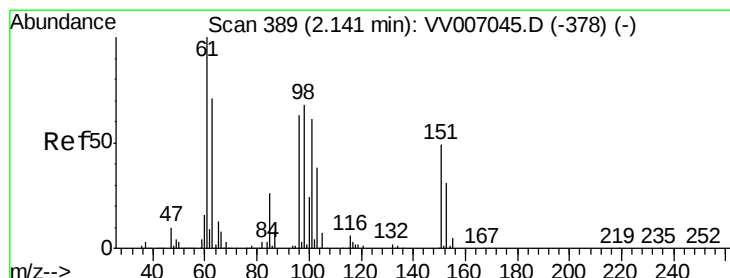
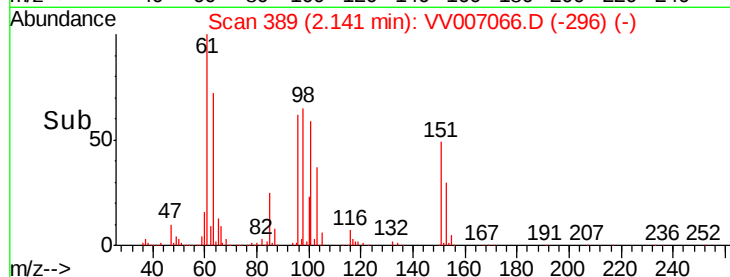
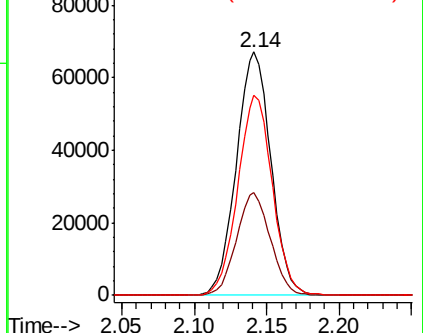
151 82.2 64.1 96.1



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: 4.281 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

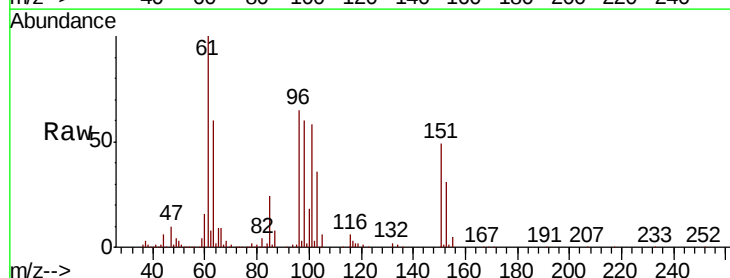
Tgt Ion: 96 Resp: 102267

Ion Ratio Lower Upper

96 100

61 153.8 111.6 207.4

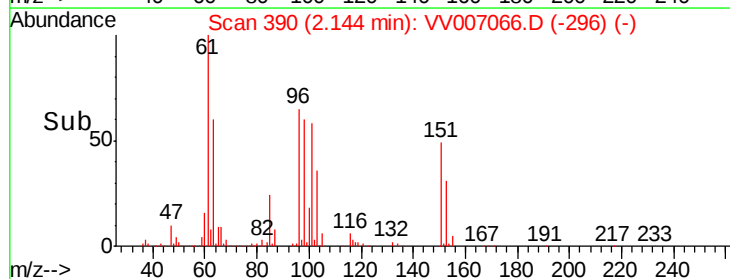
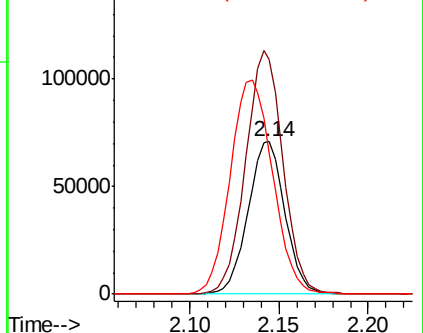
63 92.4 84.9 157.7

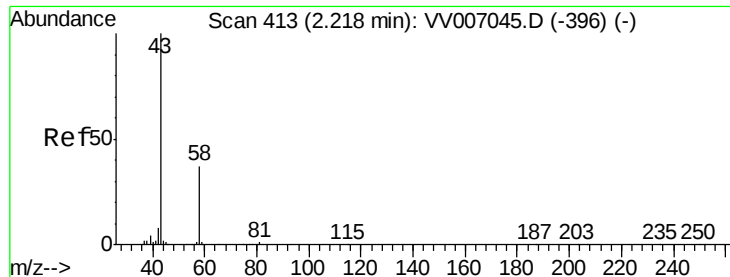


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.132 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.01 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

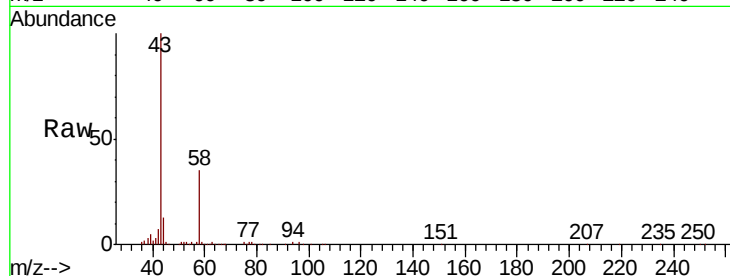
VSTD00565

Tot Ion: 43 Resp: 153044

Ion Ratio Lower Upper

43 100

58 34.8 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007045.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007045.D (-396) (-)

60000

50000

40000

30000

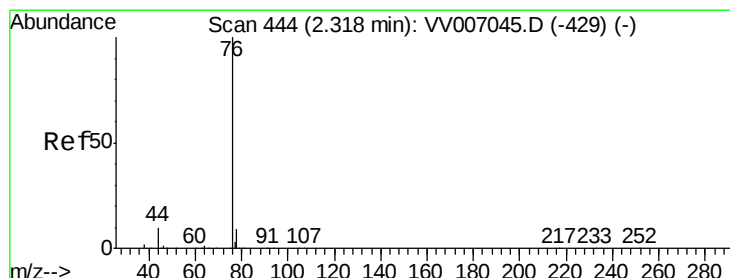
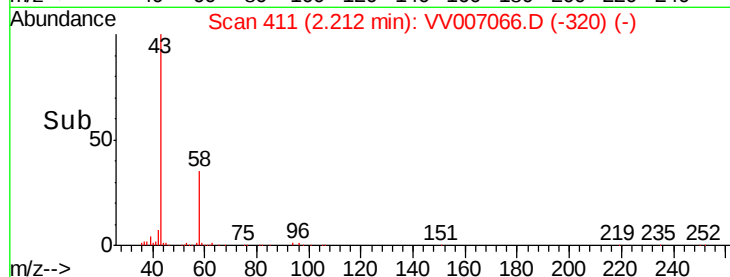
20000

10000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 3.959 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007066.D

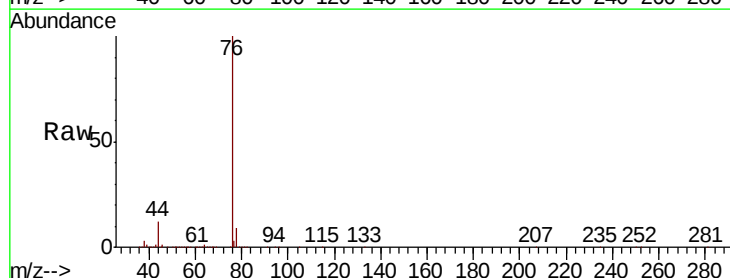
Acq: 20 Aug 2018 11:23

Tgt Ion: 76 Resp: 312187

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007045.D (-429) (-)

Ion 78.00 (77.70 to 78.70): VV007045.D (-429) (-)

250000

200000

150000

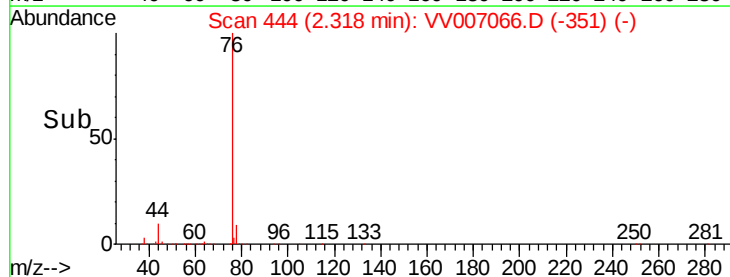
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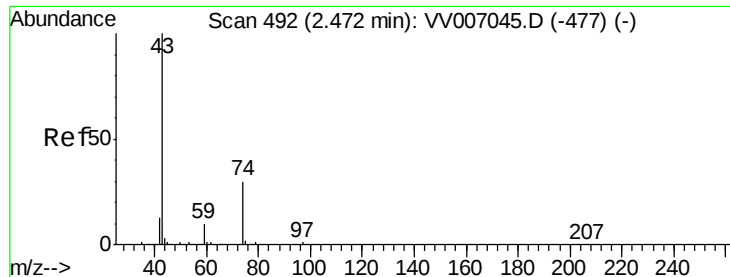
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0

2.20 2.30 2.40

Time-->

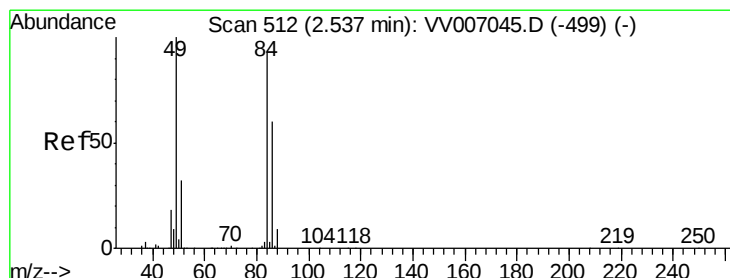
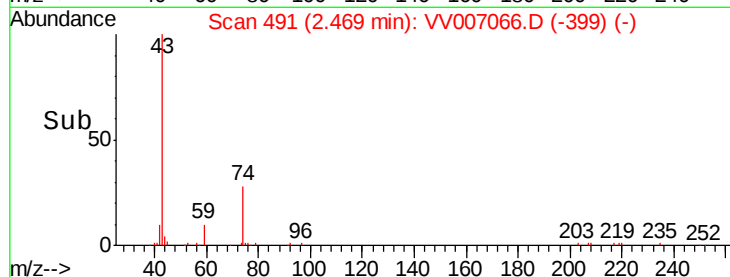
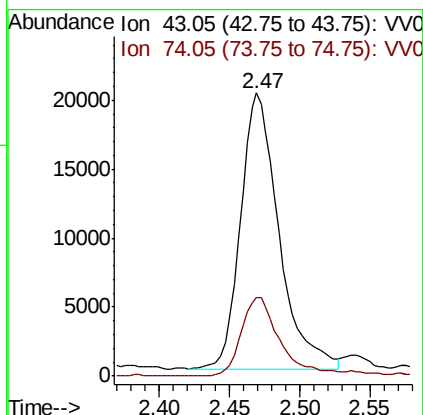
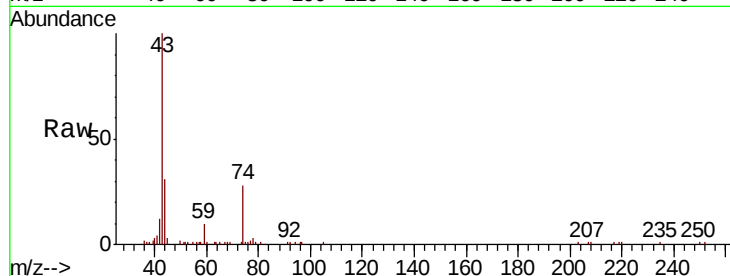




#15
Methyl Acetate
Concen: 4.242 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

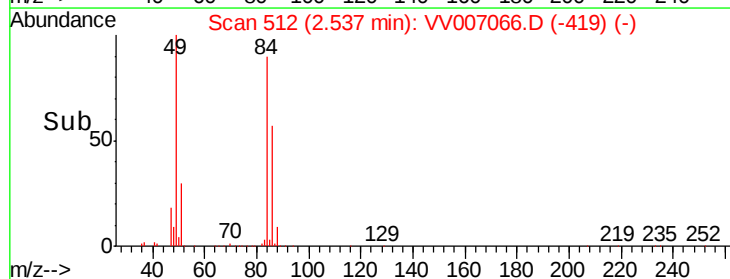
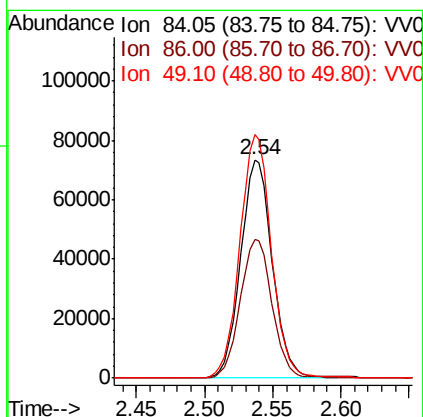
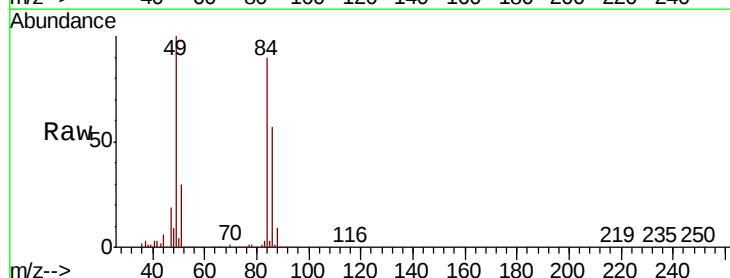
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

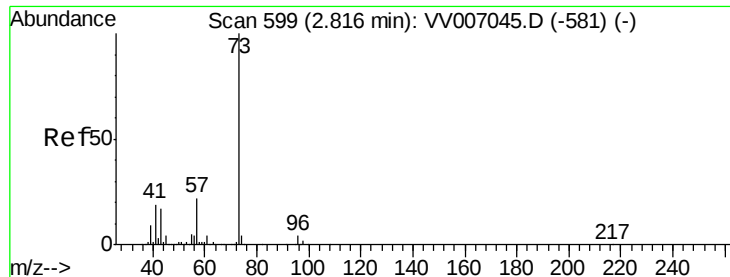
Tot Ion: 43 Resp: 37960
Ion Ratio Lower Upper
43 100
74 29.0 24.6 37.0



#16
Methylene chloride
Concen: 4.111 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 84 Resp: 118393
Ion Ratio Lower Upper
84 100
86 63.6 45.7 84.9
49 111.4 78.8 146.4



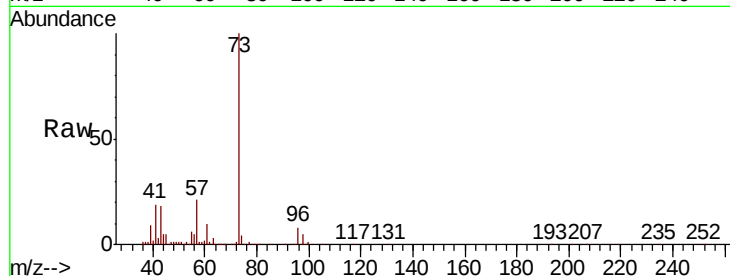


#17

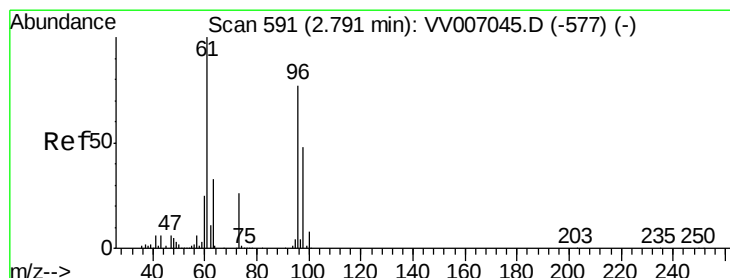
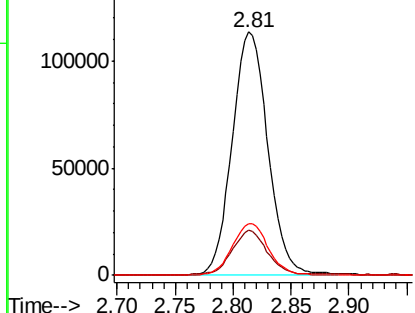
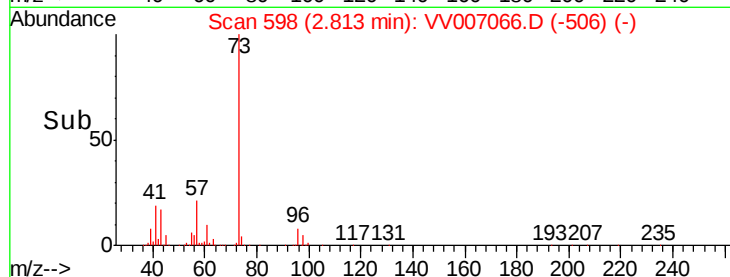
Methvl tert-butvl Ether
 Concen: 4.239 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.4	21.6
57	21.9	17.9	26.9



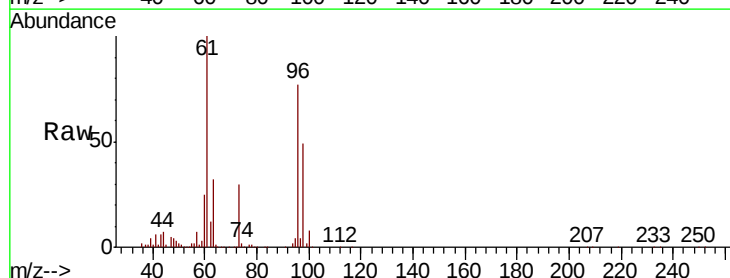
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



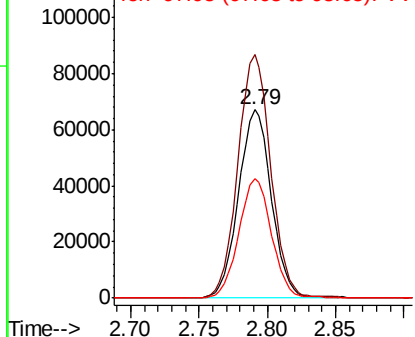
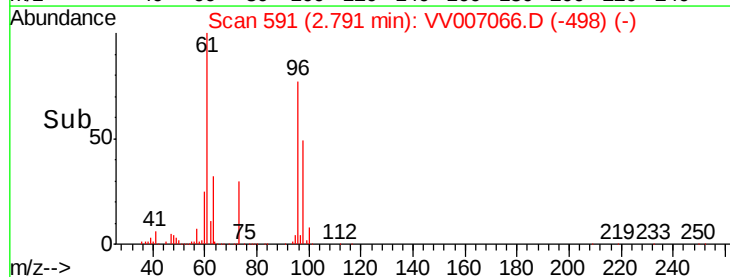
#18

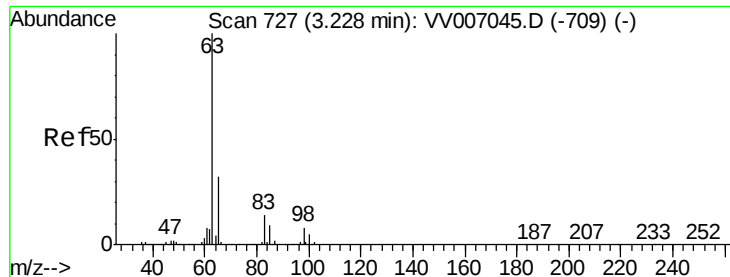
trans-1,2-Dichloroethene
 Concen: 4.392 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.2	91.1	169.3
98	63.5	43.5	80.9



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

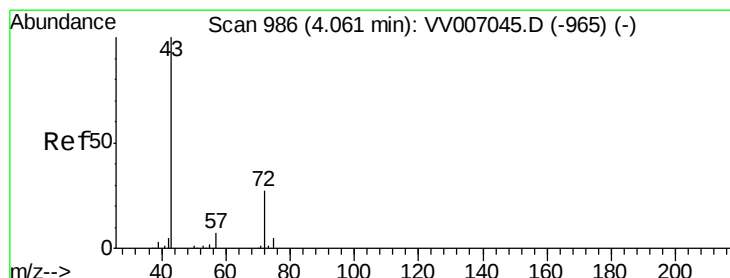
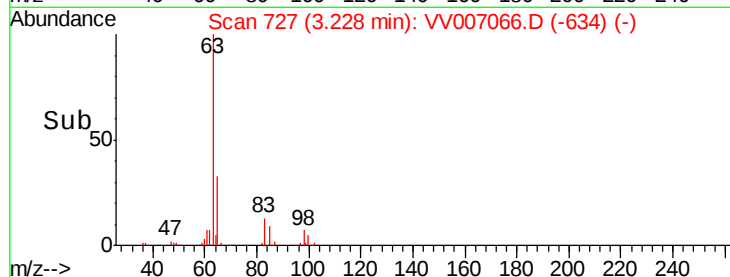
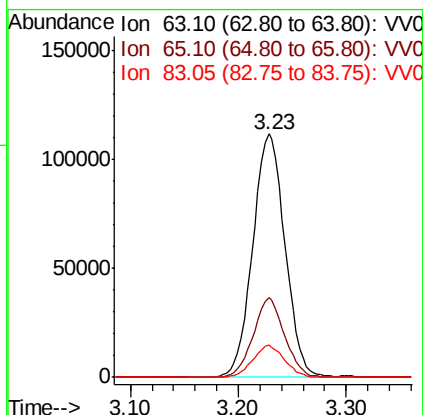
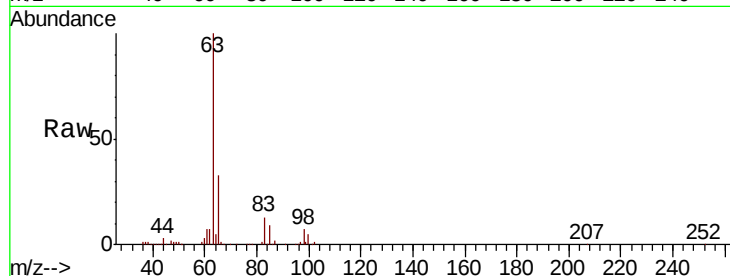




#19
 1,1-Dichloroethane
 Concen: 5.015 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

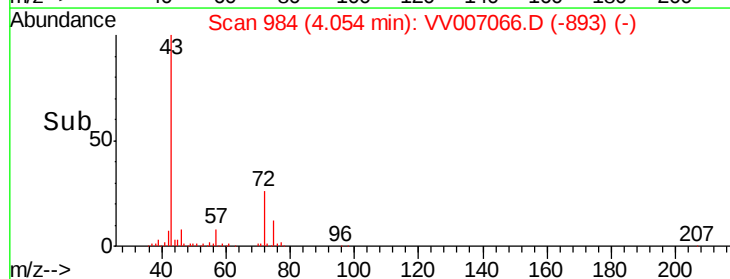
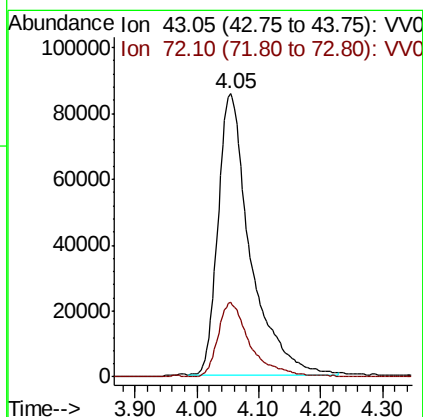
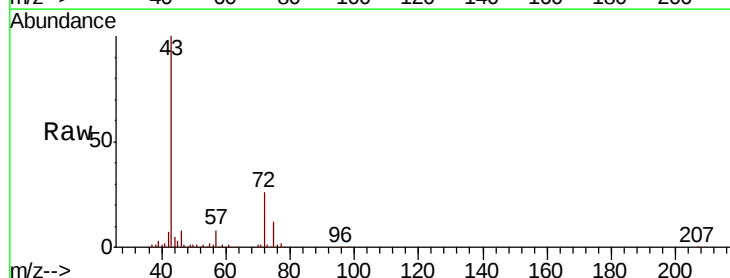
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00565

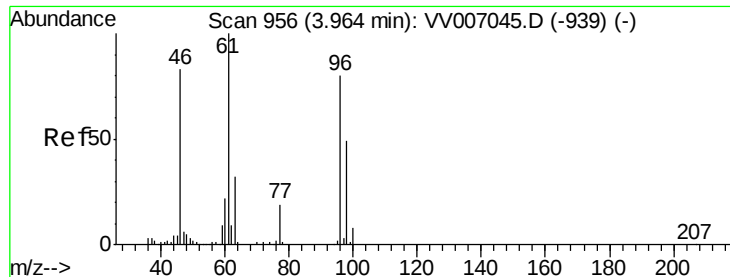
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.7	40.3
83	13.1	10.0	18.6



#21
 2-Butanone
 Concen: 44.783 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.3	12.4	37.2



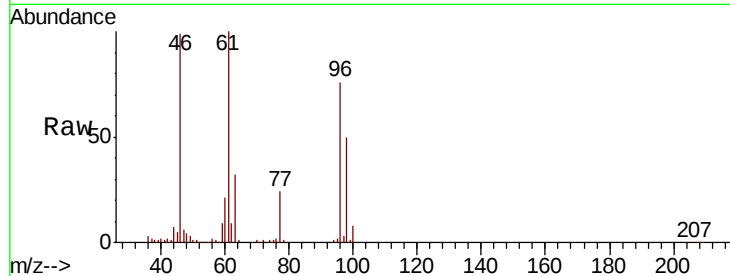


#22

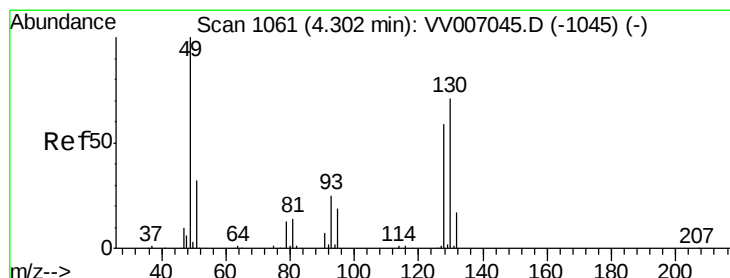
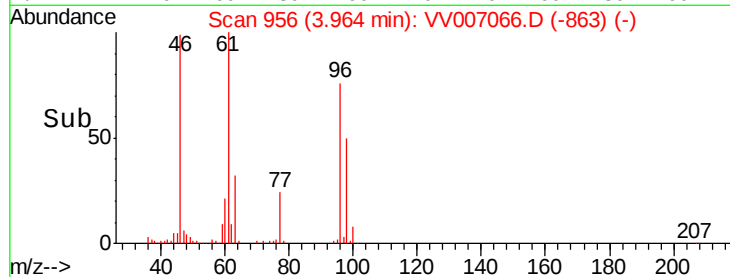
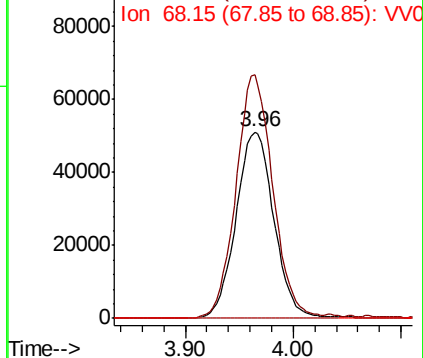
cis-1,2-Dichloroethene
Concen: 4.299 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tot Ion: 96 Resp: 124779
Ion Ratio Lower Upper
96 100
61 130.8 91.1 169.1
68 0.0 0.0 0.0



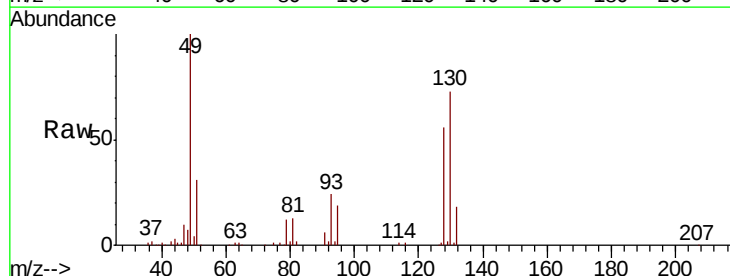
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



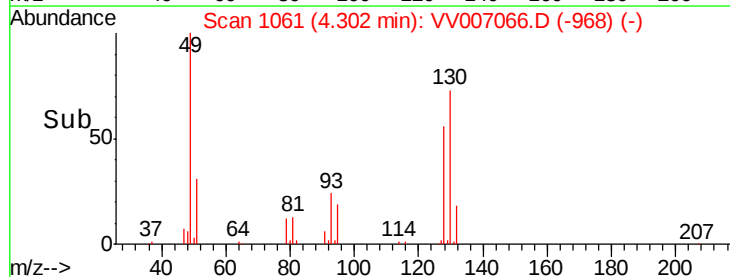
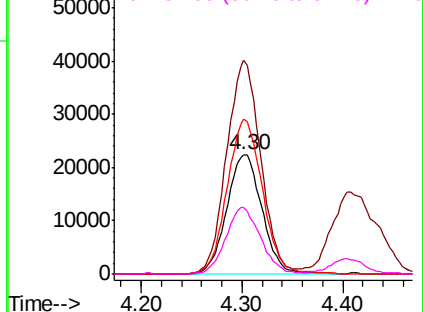
#23

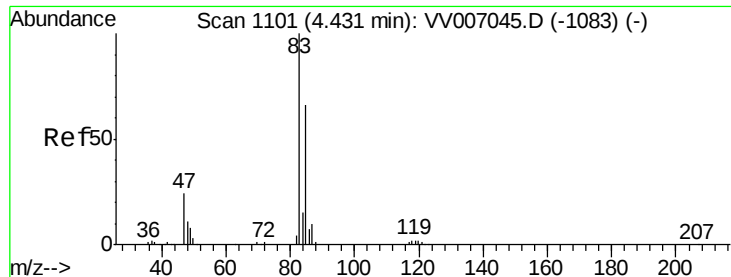
Bromochloromethane
Concen: 4.596 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 128 Resp: 54372
Ion Ratio Lower Upper
128 100
49 178.8 138.6 257.4
130 129.9 90.0 167.2
51 55.4 46.9 70.3



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

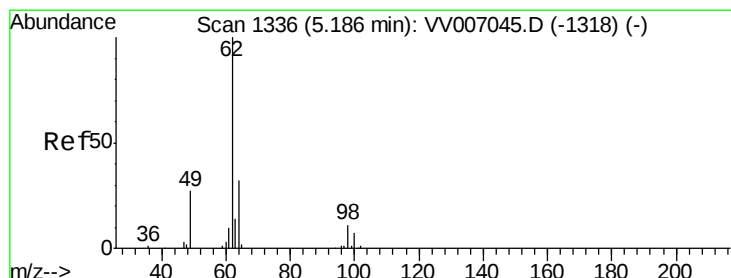
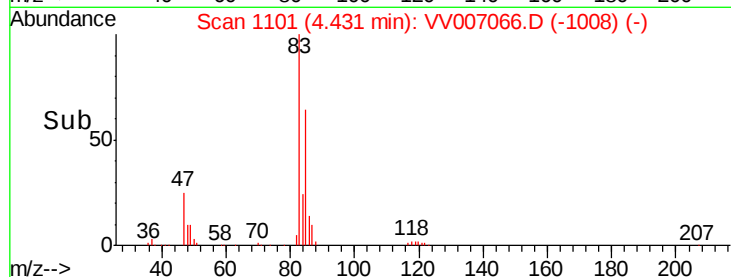
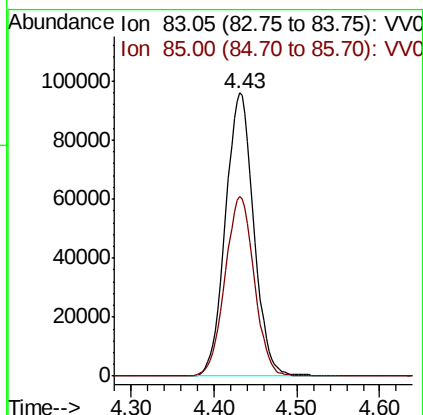
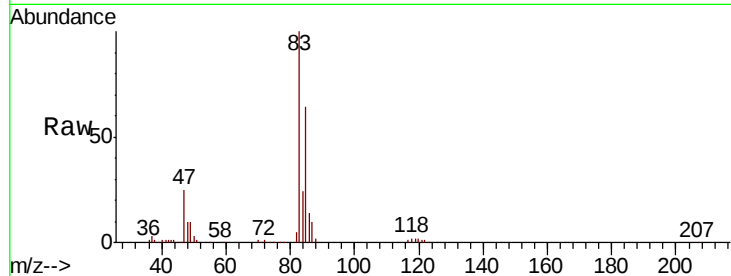




#25
Chloroform
Concen: 4.505 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

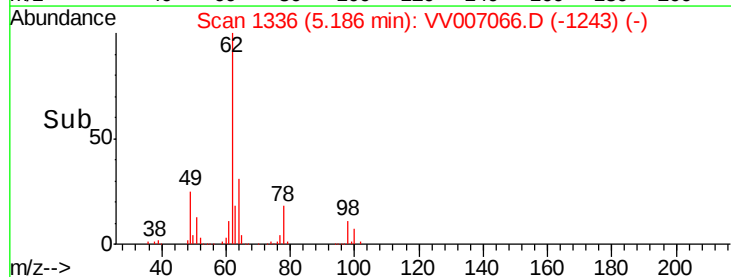
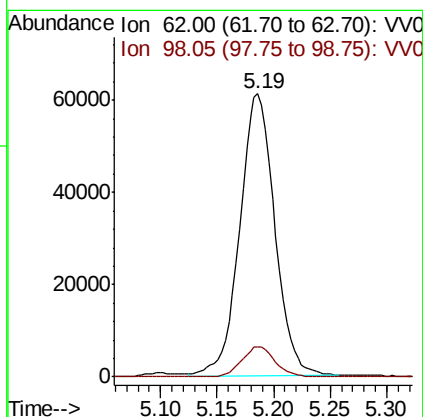
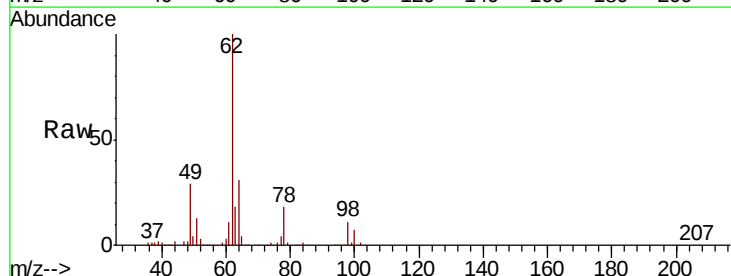
Instrument :
MSVOA_V
ClientSampled :
VSTD00565

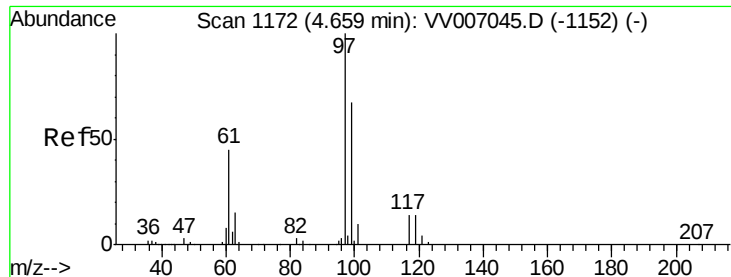
Tot Ion: 83 Resp: 227586
Ion Ratio Lower Upper
83 100
85 63.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.202 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 62 Resp: 132398
Ion Ratio Lower Upper
62 100
98 10.7 7.6 11.4

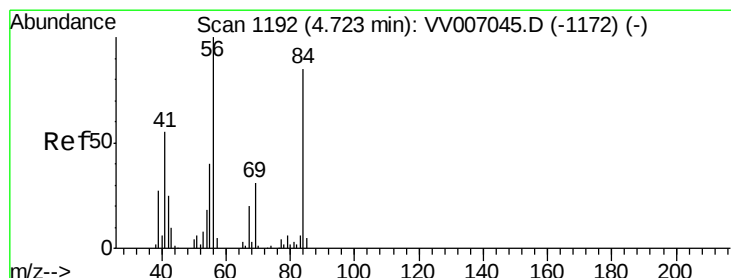
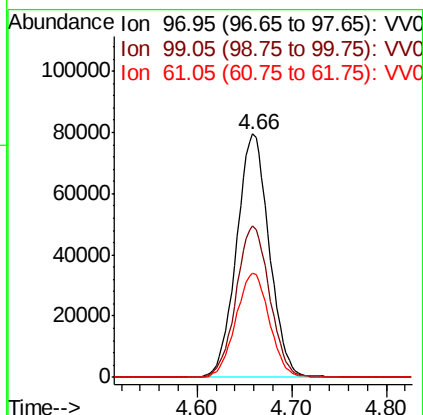
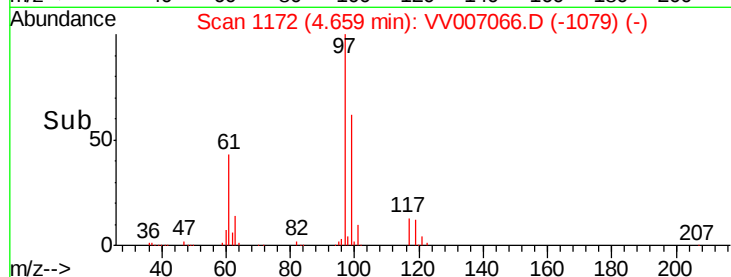
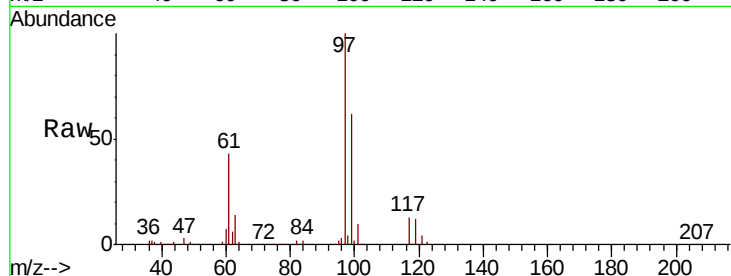




#29
 1,1,1-Trichloroethane
 Concen: 4.487 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

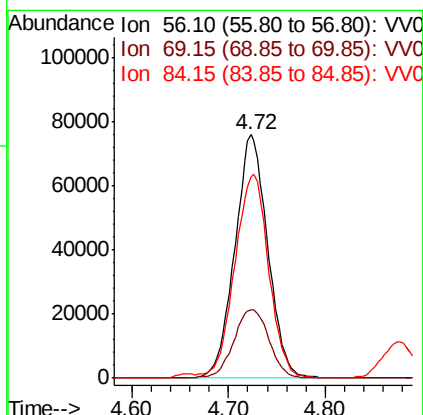
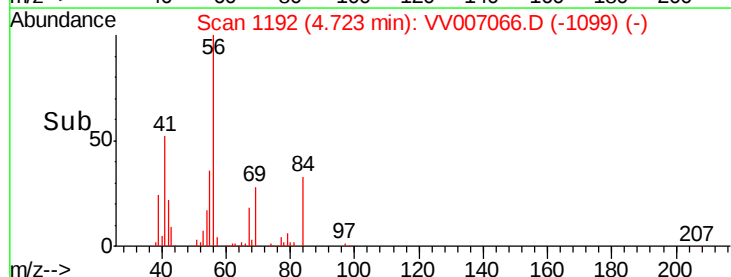
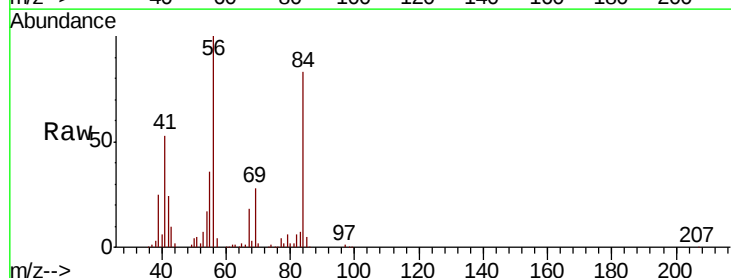
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

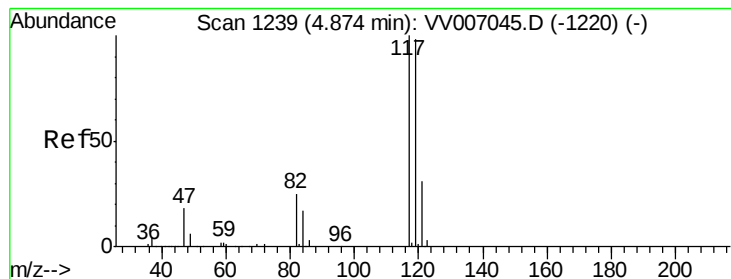
Tot Ion: 97 Resp: 190924
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.6
 61 44.1 36.6 54.8



#30
 Cyclohexane
 Concen: 4.051 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion: 56 Resp: 179396
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.8 35.6
 84 86.6 67.9 101.9





#31

Carbon tetrachloride

Concen: 4.624 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

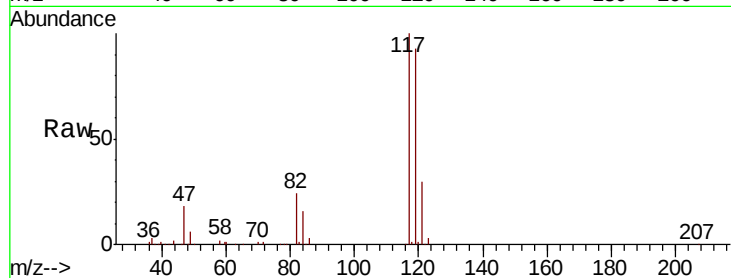
VSTD00565

Tot Ion:117 Resp: 164975

Ion Ratio Lower Upper

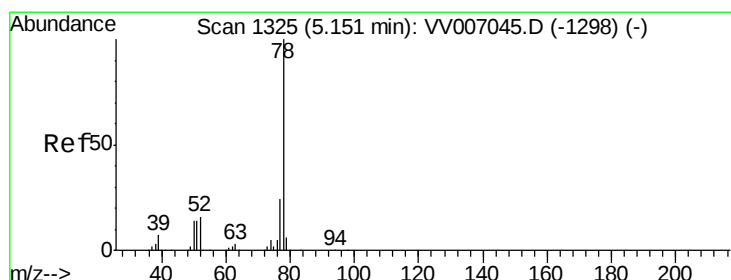
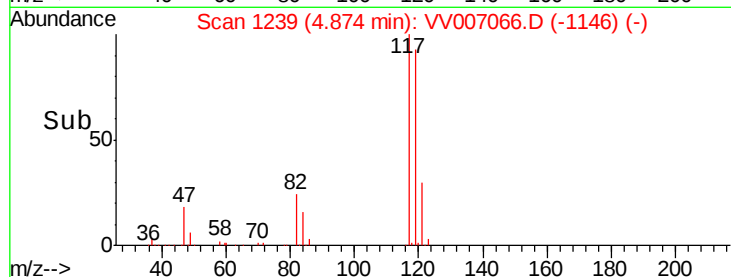
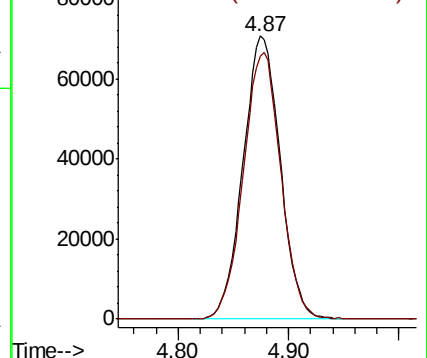
117 100

119 95.1 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.506 ug/L

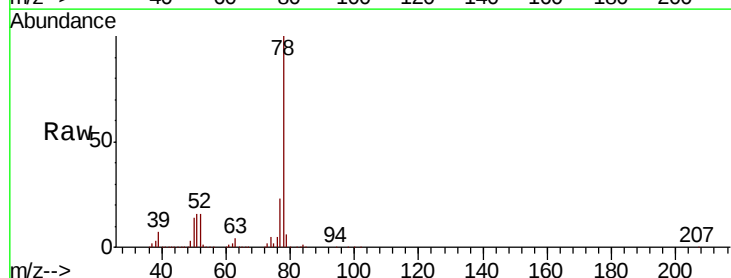
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

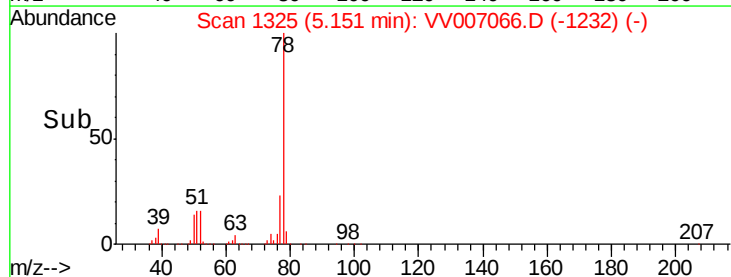
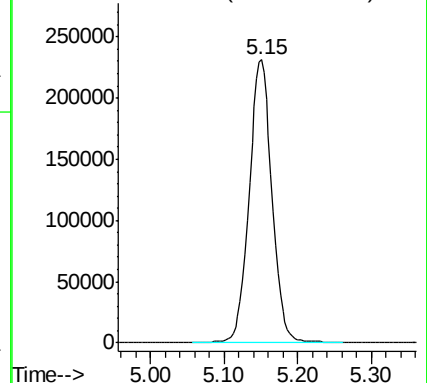
Lab File: VV007066.D

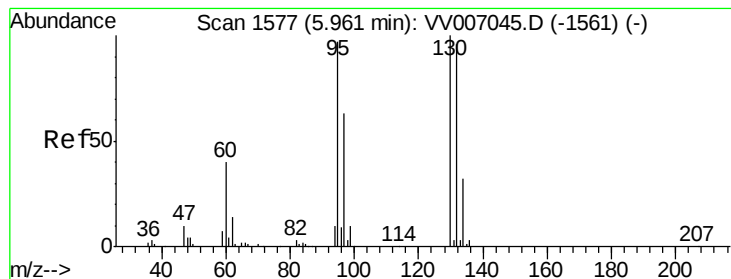
Acq: 20 Aug 2018 11:23

Tgt Ion: 78 Resp: 498067



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.467 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleID :

VSTD00565

Tot Ion: 95 Resp: 118402

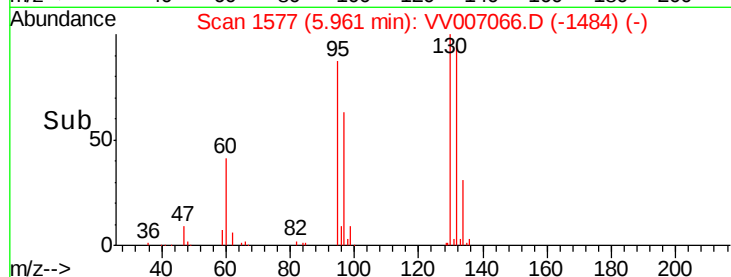
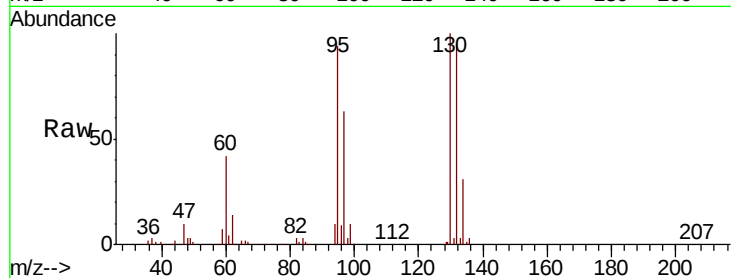
Ion Ratio Lower Upper

95 100

97 67.6 44.8 83.2

132 101.8 65.5 121.6

130 106.8 66.4 123.4

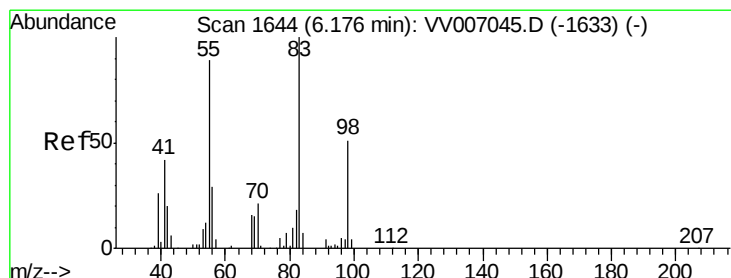
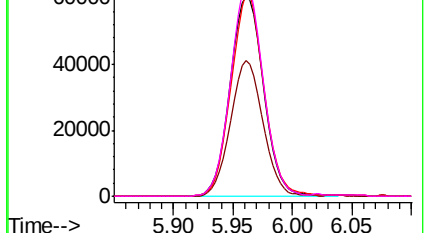


Abundance Ion 95.00 (94.70 to 95.70): VV007066.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV007066.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV007066.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV007066.D (-1484) (-)



#35

Methylcyclohexane

Concen: 4.361 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

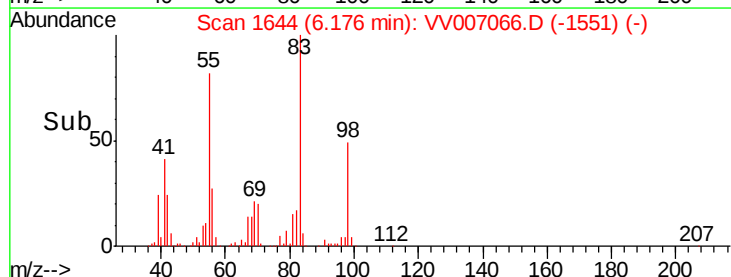
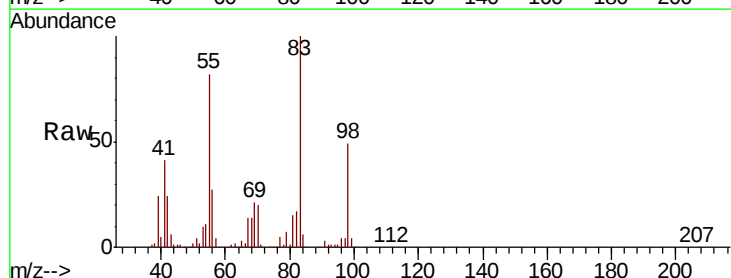
Tgt Ion: 83 Resp: 185602

Ion Ratio Lower Upper

83 100

55 81.7 68.1 102.1

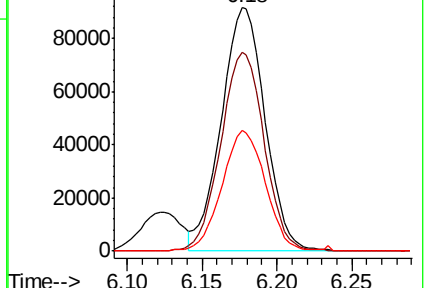
98 49.4 37.9 56.9

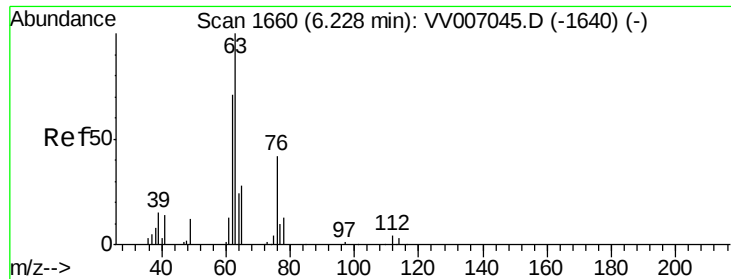


Abundance Ion 83.15 (82.85 to 83.85): VV007066.D (-1551) (-)

Ion 55.10 (54.80 to 55.80): VV007066.D (-1551) (-)

Ion 98.15 (97.85 to 98.85): VV007066.D (-1551) (-)

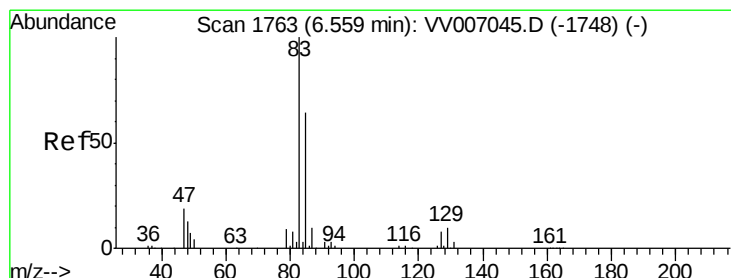
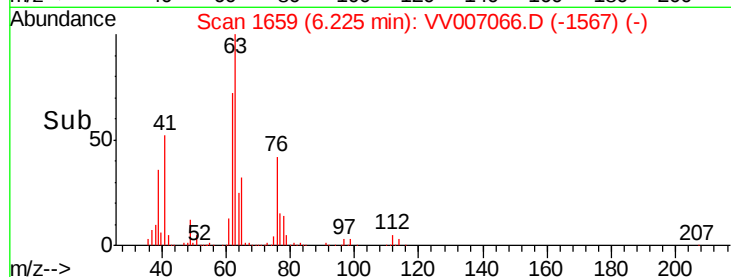
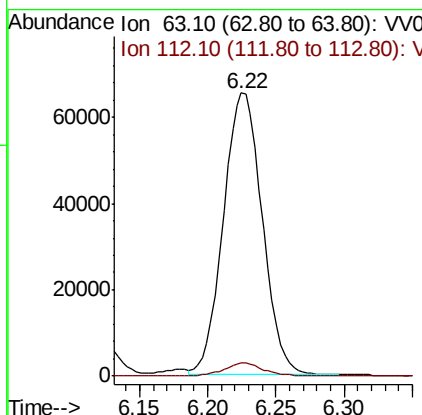
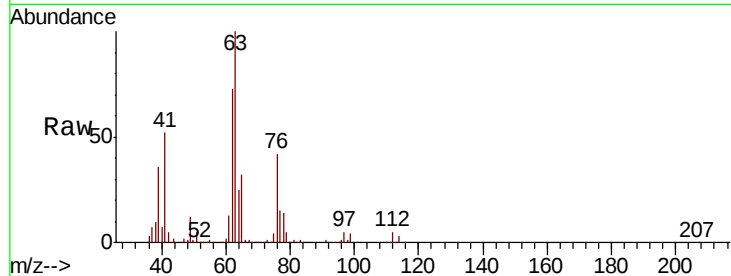




#37
 1,2-Dichloropropane
 Concen: 4.275 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

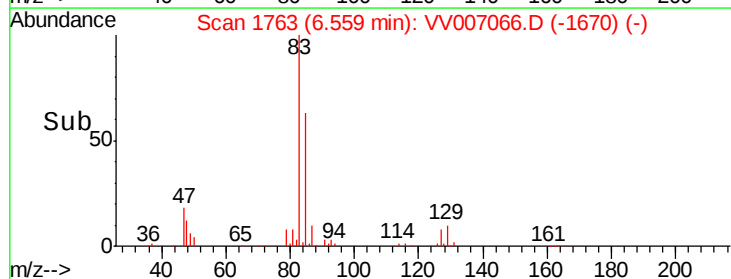
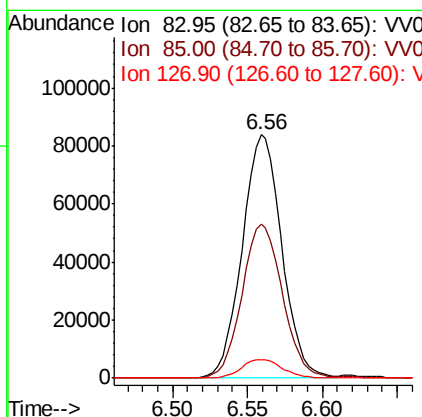
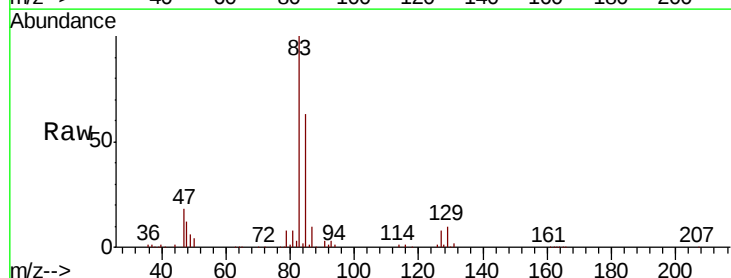
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

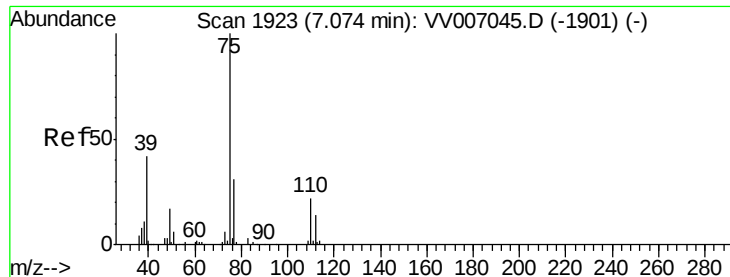
Tot Ion: 63 Resp: 129359
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.498 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion: 83 Resp: 154653
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.8 81.4
 127 7.8 6.6 10.0



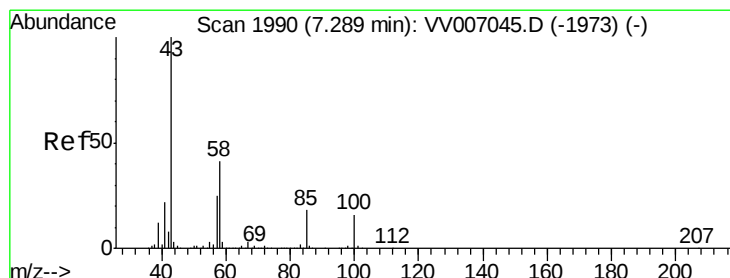
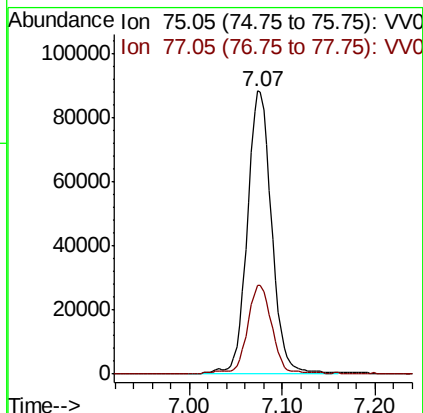
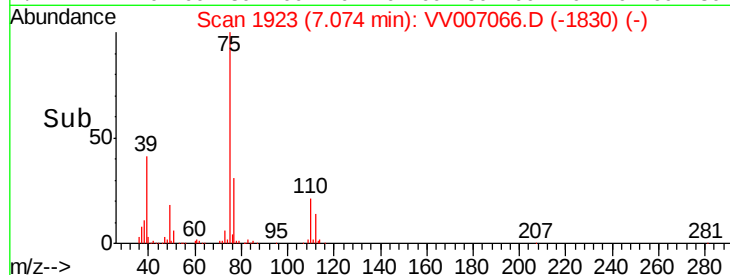
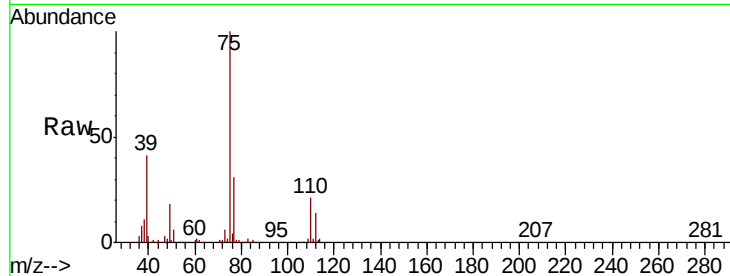


#39

cis-1,3-Dichloropropene
Concen: 4.424 ug/L
RT: 7.07 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

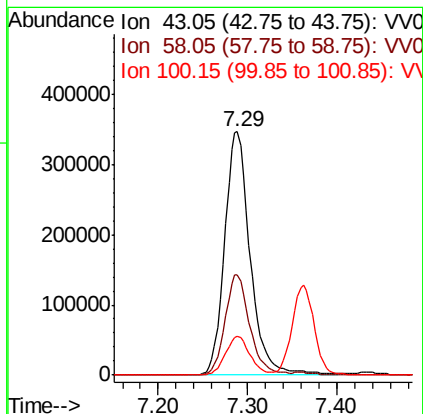
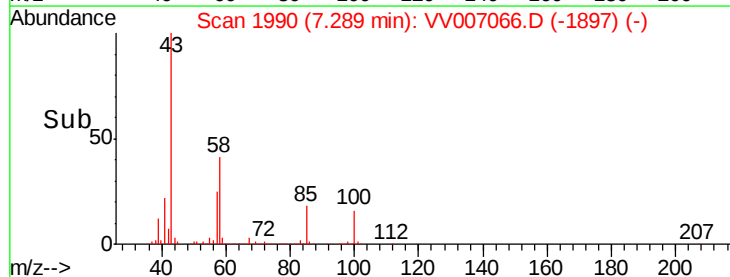
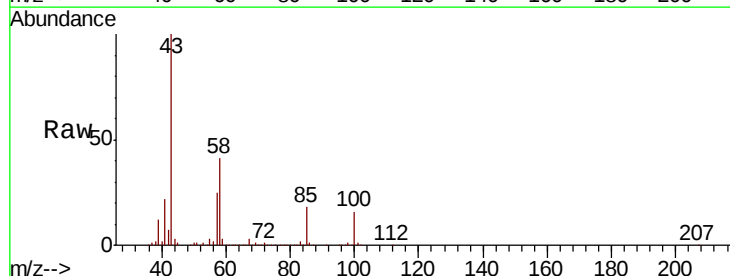
Tot Ion: 75 Resp: 161706
Ion Ratio Lower Upper
75 100
77 31.2 22.0 40.8

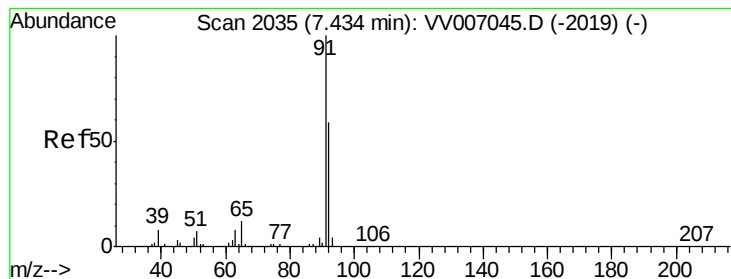


#40

4-Methyl-2-pentanone
Concen: 42.049 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 43 Resp: 687312
Ion Ratio Lower Upper
43 100
58 39.7 30.7 46.1
100 15.4 11.2 16.8





#42

Toluene

Concen: 4.740 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

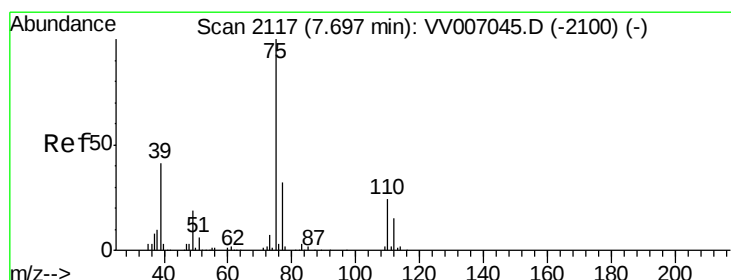
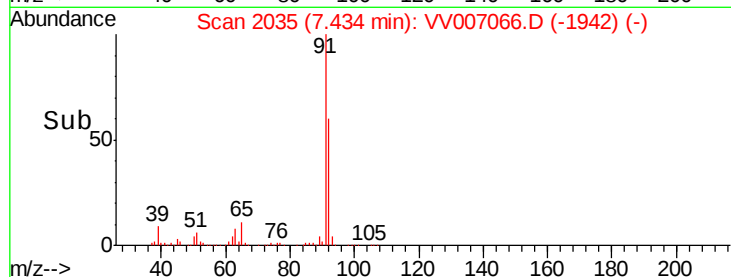
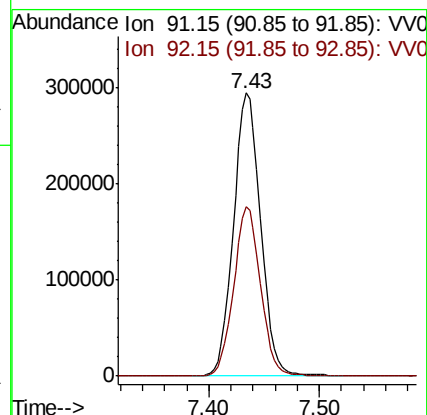
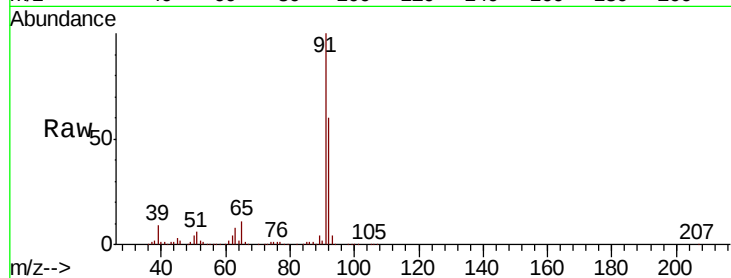
VSTD00565

Tot Ion: 91 Resp: 503490

Ion Ratio Lower Upper

91 100

92 59.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.500 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007066.D

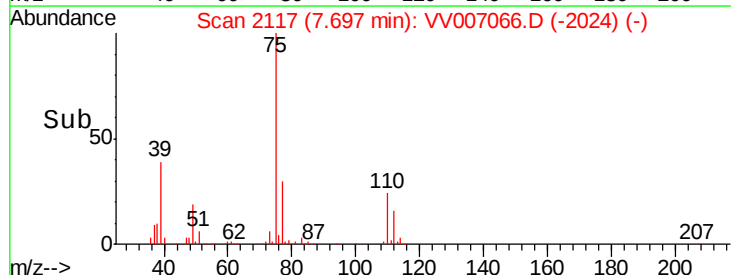
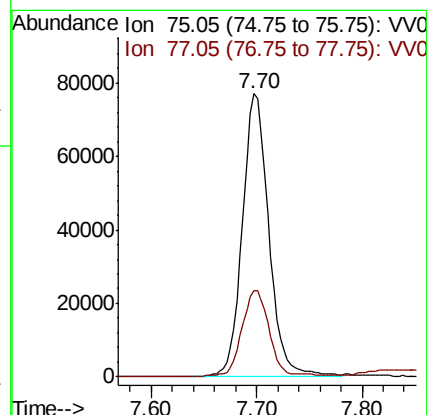
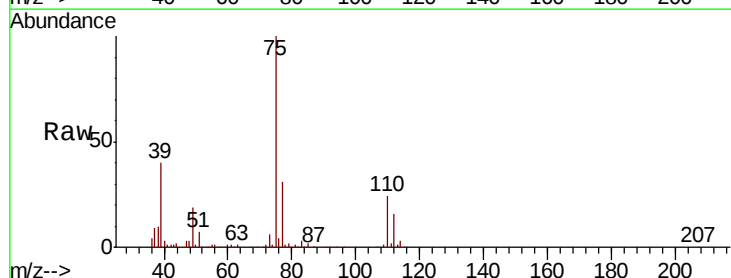
Acq: 20 Aug 2018 11:23

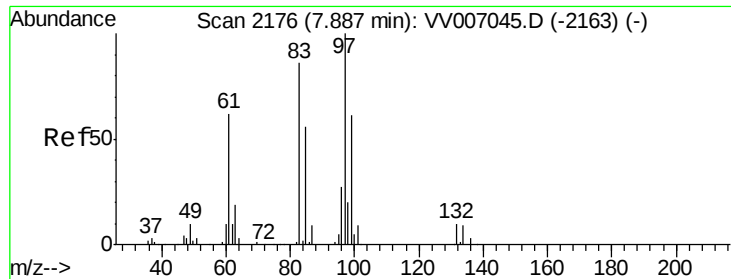
Tgt Ion: 75 Resp: 135023

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.3

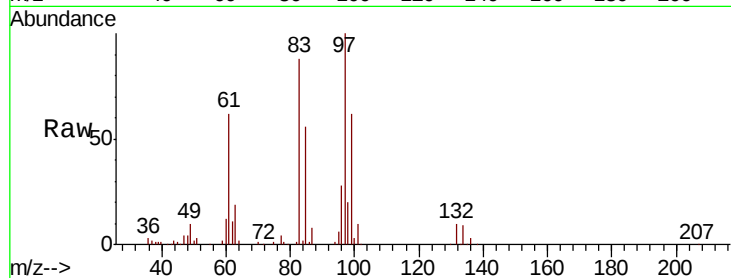




#45
 1,1,2-Trichloroethane
 Concen: 4.415 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tot Ion:	97	Resp:	86900
Ion	Ratio	Lower	Upper
97	100		
99	62.2	40.6	75.4
83	88.3	58.0	107.8
85	55.6	37.5	69.7



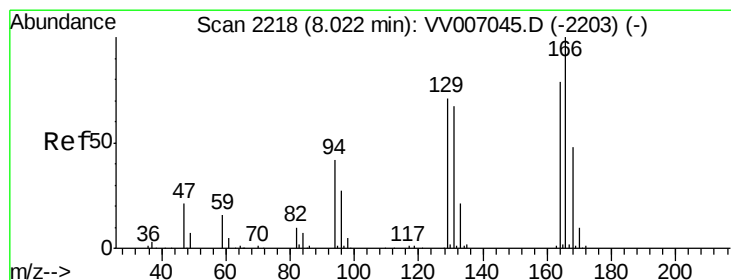
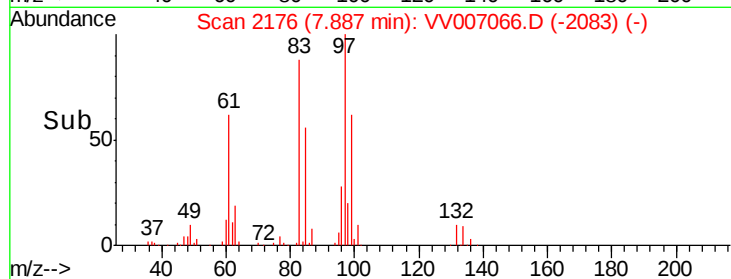
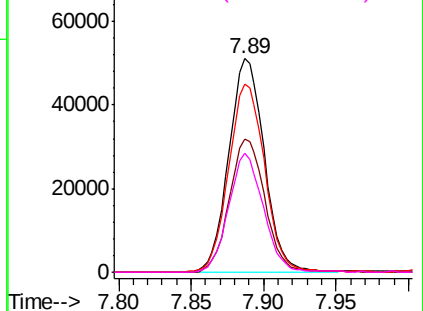
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

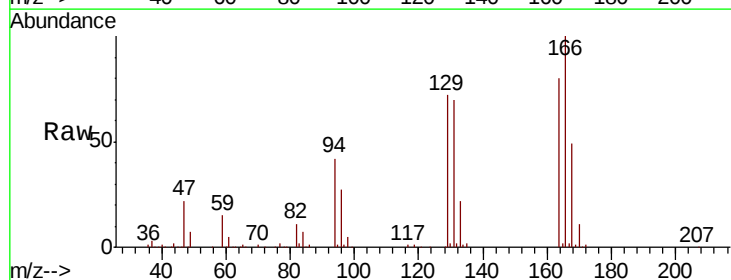
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.600 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion:	164	Resp:	98863
Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.9	122.3
131	87.7	64.2	119.2
166	125.4	89.4	166.0



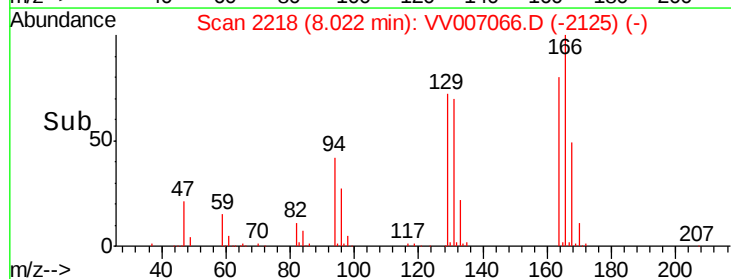
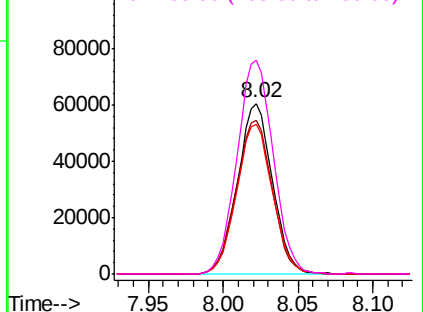
Abundance

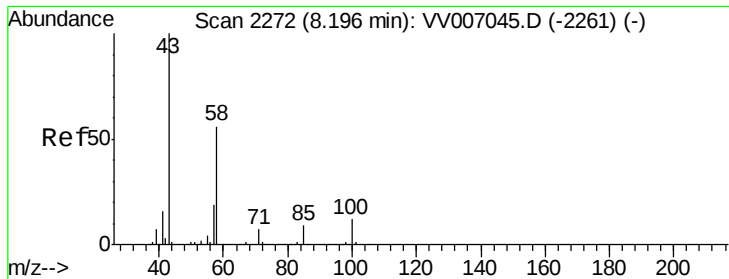
Ion 163.90 (163.60 to 164.60): V

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

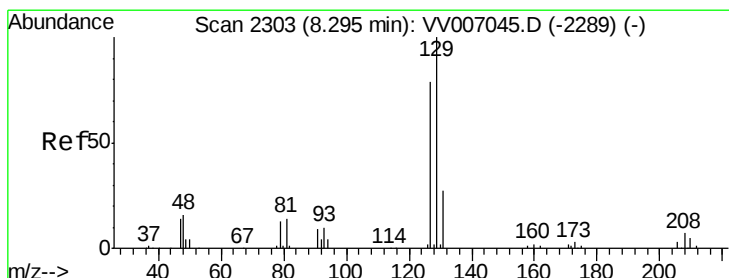
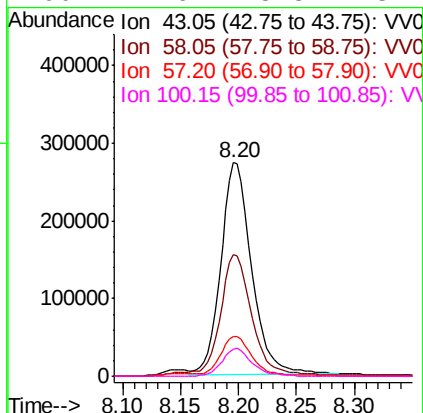
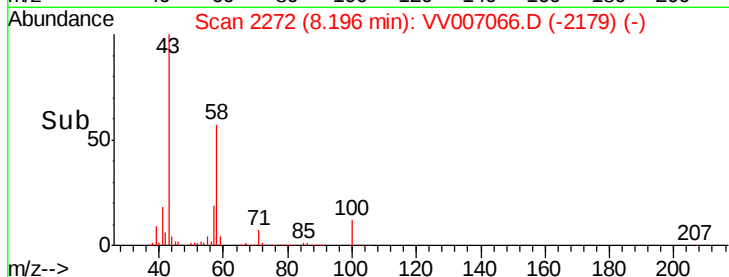
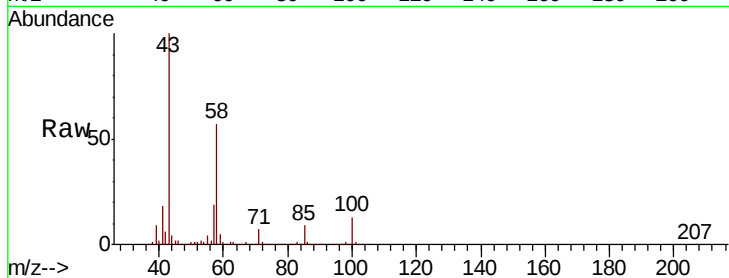




#48
2-Hexanone
Concen: 43.908 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

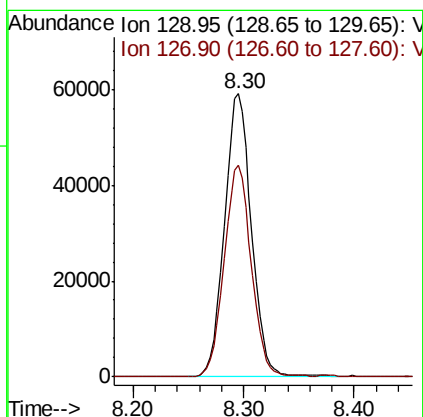
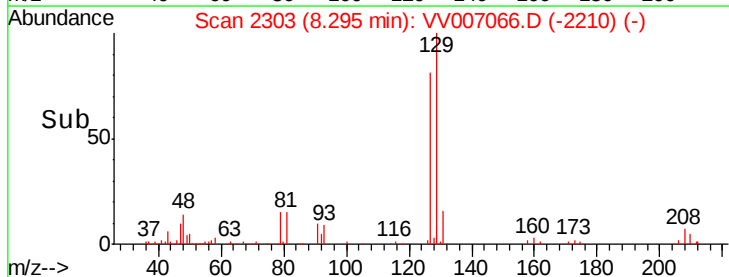
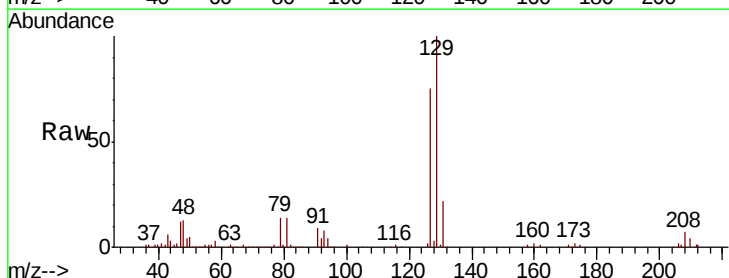
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

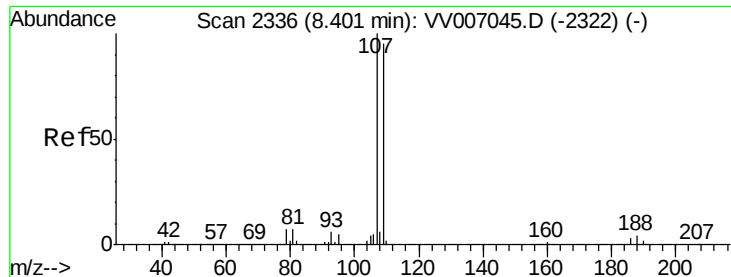
Tot Ion: 43 Resp: 506177
Ion Ratio Lower Upper
43 100
58 60.4 44.2 66.2
57 19.1 14.8 22.2
100 12.6 8.8 13.2



#49
Dibromochloromethane
Concen: 4.846 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion: 129 Resp: 100068
Ion Ratio Lower Upper
129 100
127 75.0 53.3 98.9

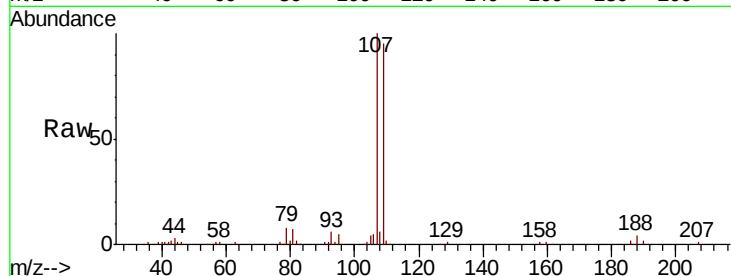




#50
1,2-Dibromoethane
Concen: 4.521 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	64.1	119.1
188	3.9	4.0	6.0

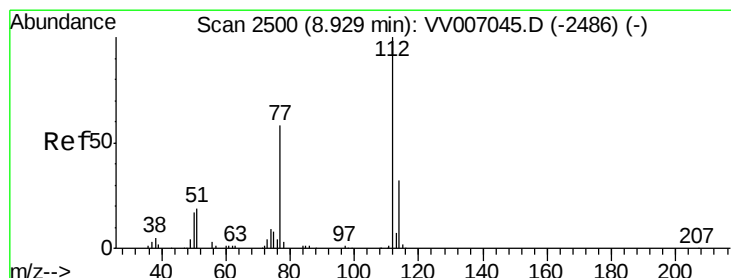
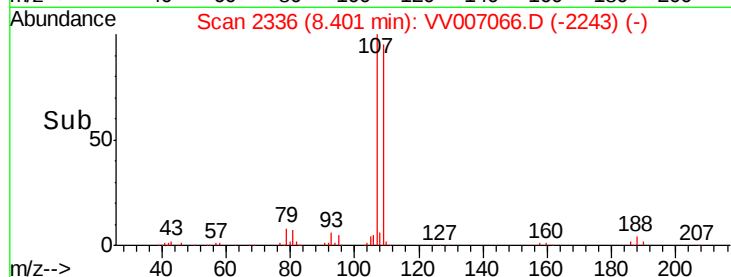
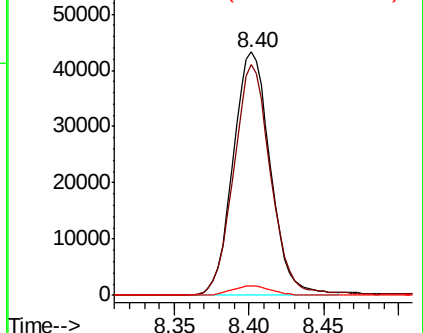


Abundance

Ion 106.95 (106.65 to 107.65): V

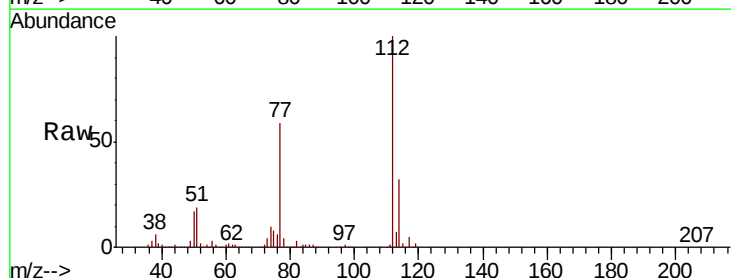
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.612 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007066.D
Acq: 20 Aug 2018 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.8	40.6
77	59.0	48.0	72.0

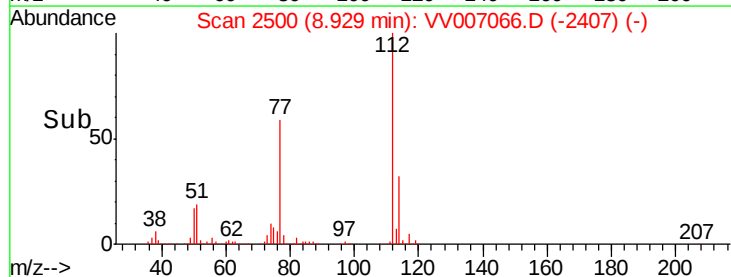
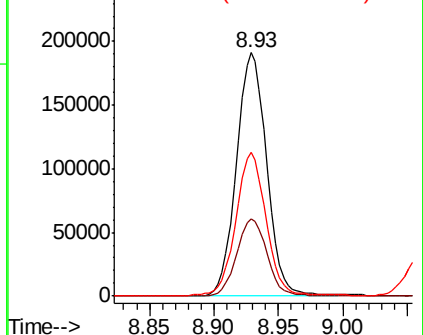


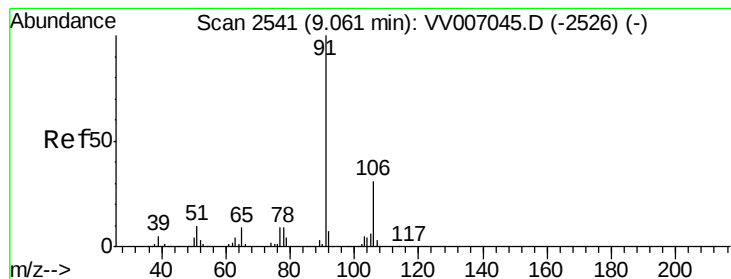
Abundance

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: 4.567 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

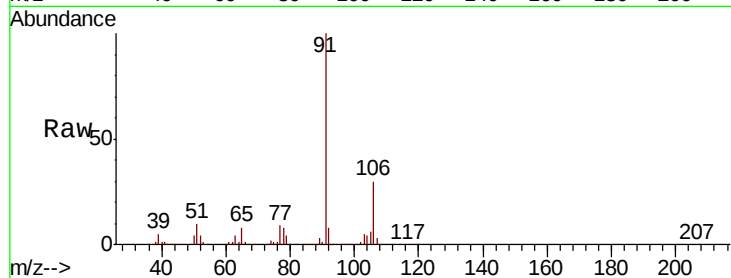
VSTD00565

Tot Ion: 91 Resp: 484406

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV007045.D (-2526) (-)

Ion 106.15 (105.85 to 106.85): VV007045.D (-2526) (-)

9.06

300000

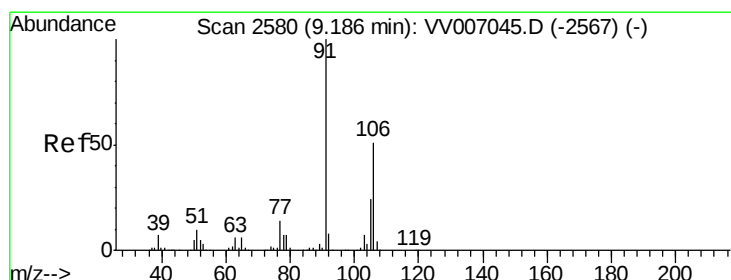
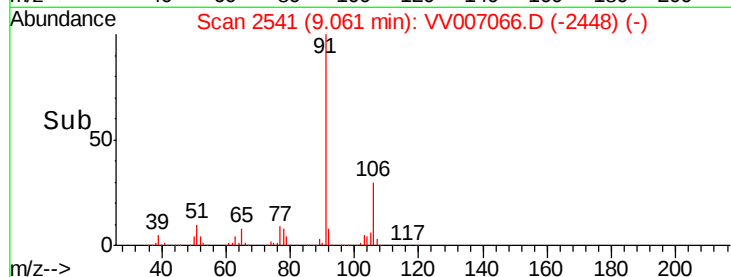
200000

100000

0

Time-->

9.00 9.10



#53

m,p-xylene

Concen: 4.692 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007066.D

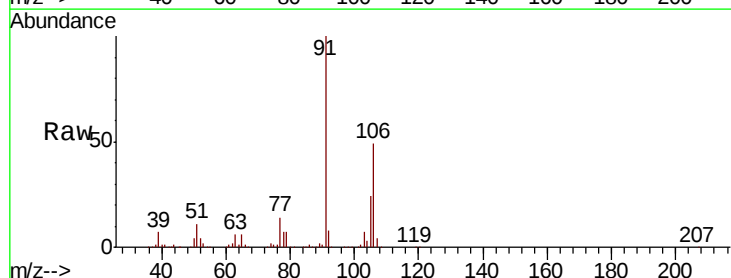
Acq: 20 Aug 2018 11:23

Tgt Ion: 106 Resp: 185548

Ion Ratio Lower Upper

106 100

91 202.2 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV007045.D (-2567) (-)

Ion 91.15 (90.85 to 91.85): VV007045.D (-2567) (-)

9.19

250000

200000

150000

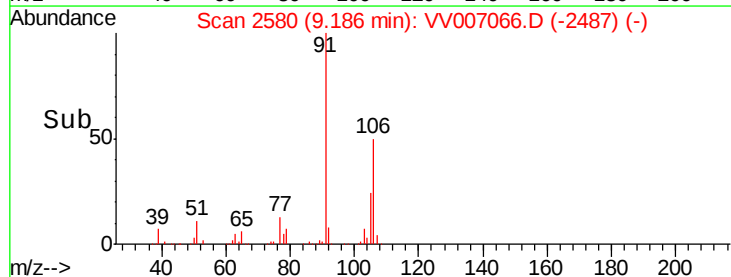
100000

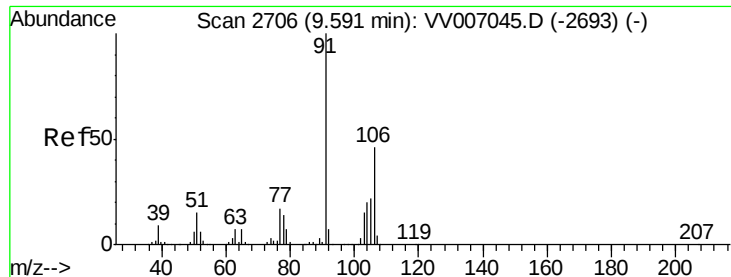
50000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 4.638 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

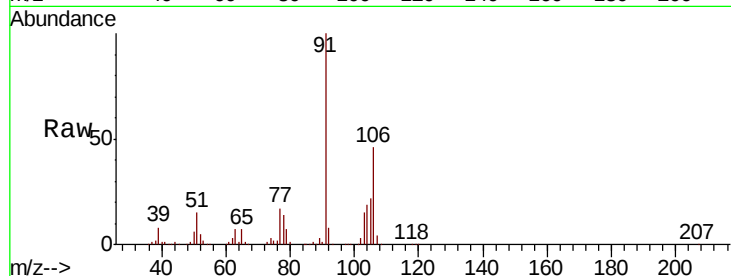
VSTD00565

Tot Ion:106 Resp: 173771

Ion Ratio Lower Upper

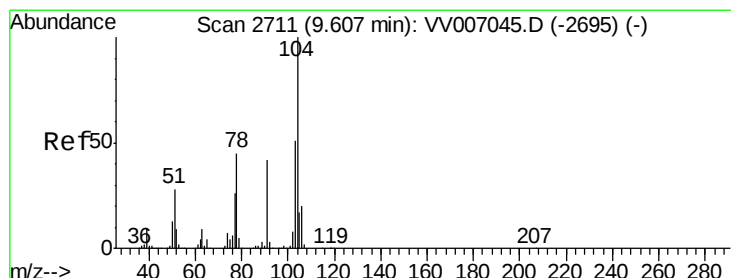
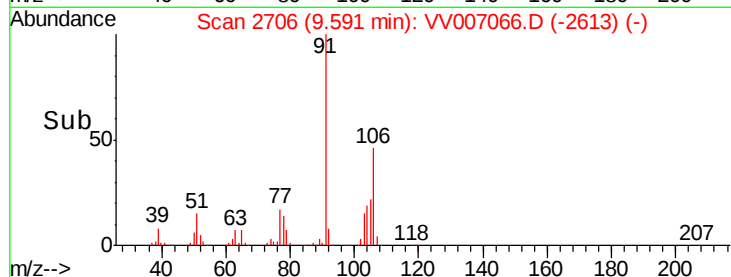
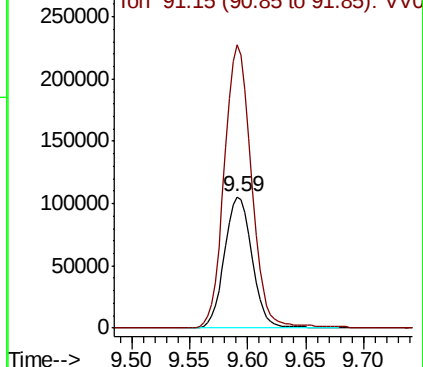
106 100

91 215.1 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.772 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007066.D

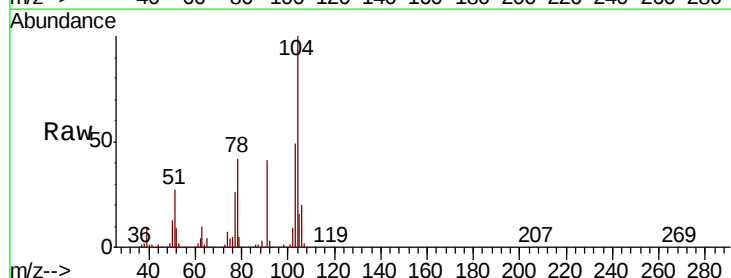
Acq: 20 Aug 2018 11:23

Tgt Ion:104 Resp: 301367

Ion Ratio Lower Upper

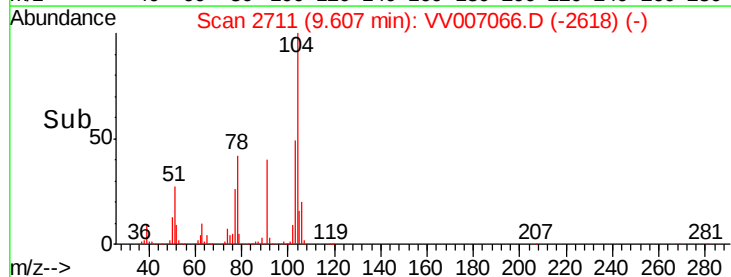
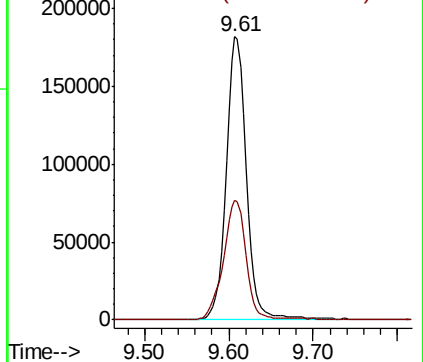
104 100

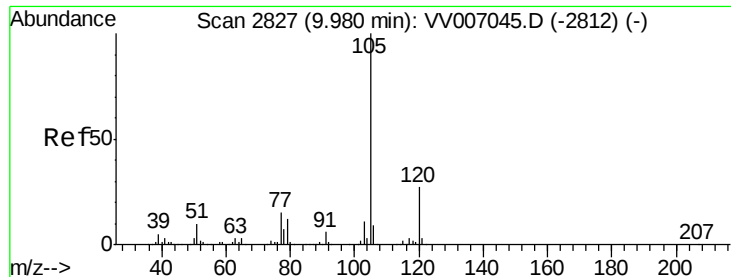
78 42.4 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.699 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

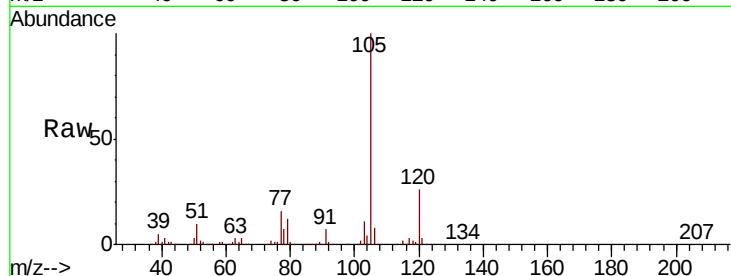
Tot Ion:105 Resp: 461883

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

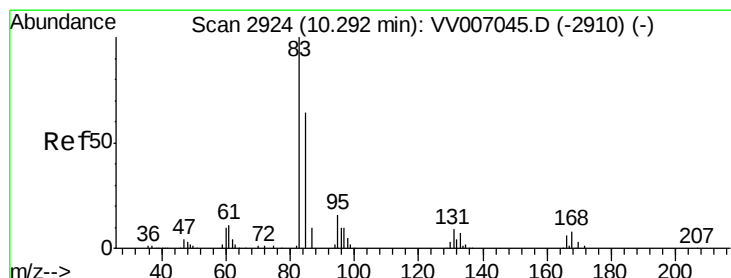
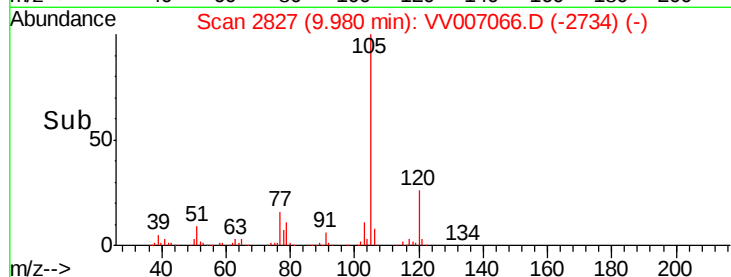
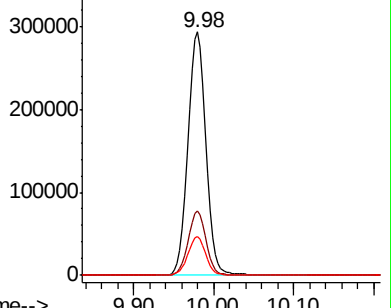
77 15.7 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): VV007045.D (-2812) (-)

Ion 120.10 (119.80 to 120.80): VV007045.D (-2812) (-)

Ion 77.10 (76.80 to 77.80): VV007045.D (-2812) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.387 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

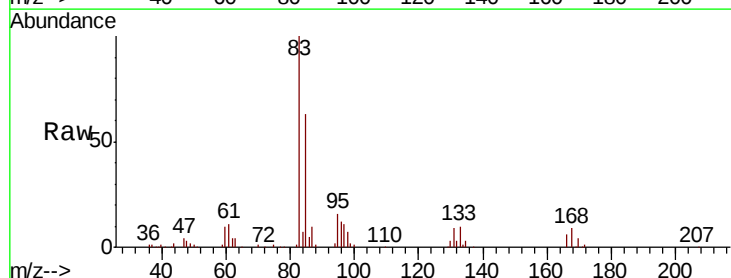
Tgt Ion: 83 Resp: 104966

Ion Ratio Lower Upper

83 100

85 62.7 43.0 79.8

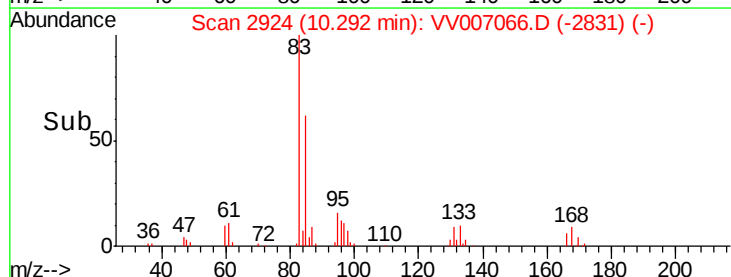
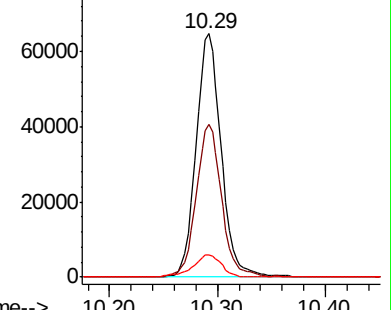
131 9.0 7.4 11.2

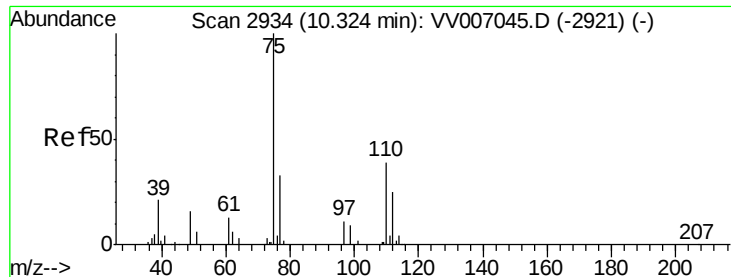


Abundance Ion 82.95 (82.65 to 83.65): VV007045.D (-2910) (-)

Ion 85.00 (84.70 to 85.70): VV007045.D (-2910) (-)

Ion 130.95 (130.65 to 131.65): VV007045.D (-2910) (-)

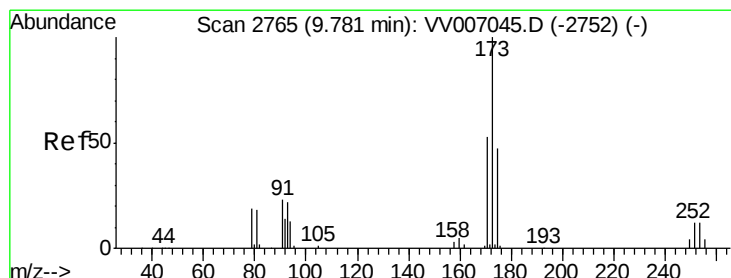
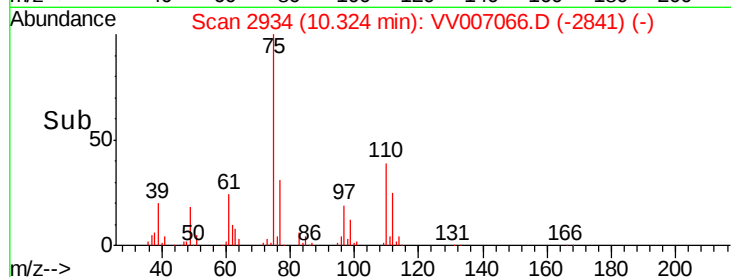
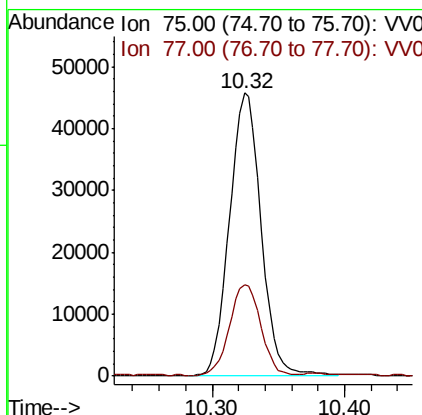
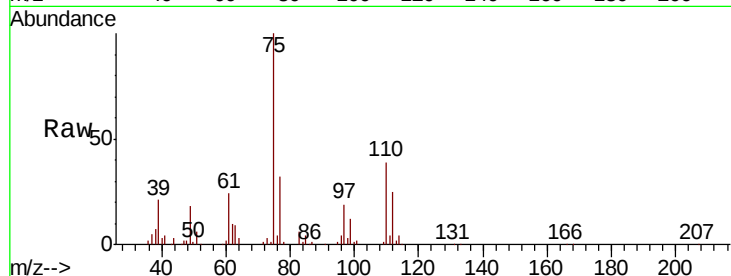




#59
 1,2,3-Trichloropropane
 Concen: 4.480 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

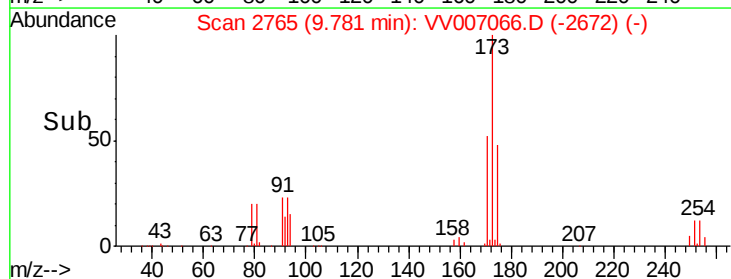
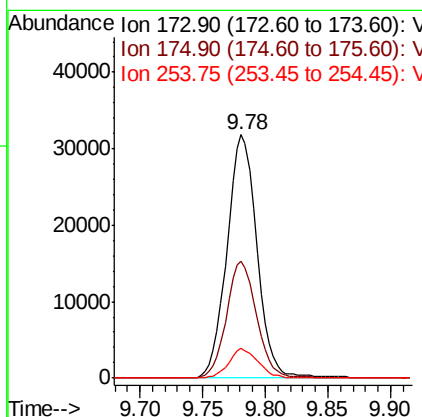
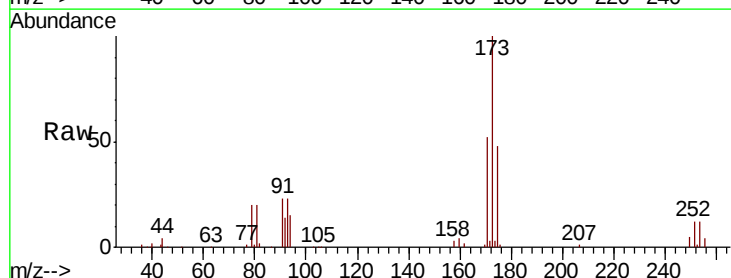
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

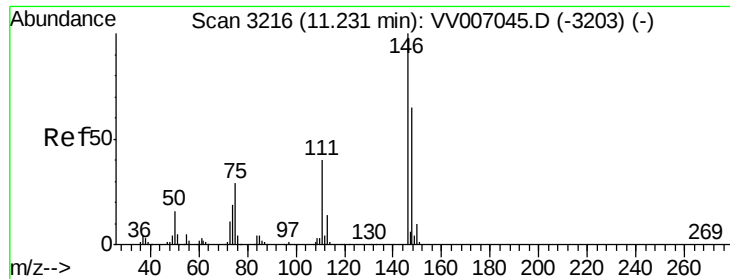
Tot Ion: 75 Resp: 75884
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0



#61
 Bromoform
 Concen: 4.694 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion: 173 Resp: 52822
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 11.7 8.3 12.5

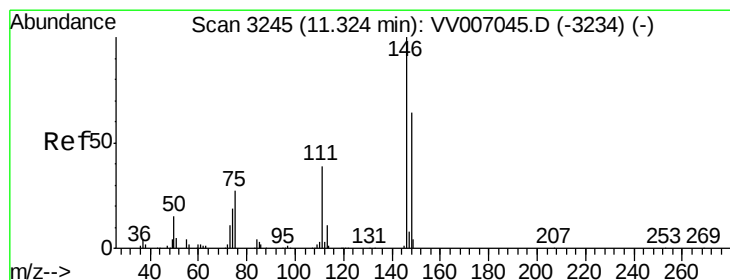
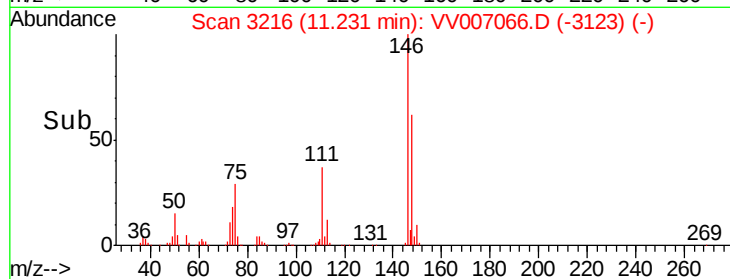
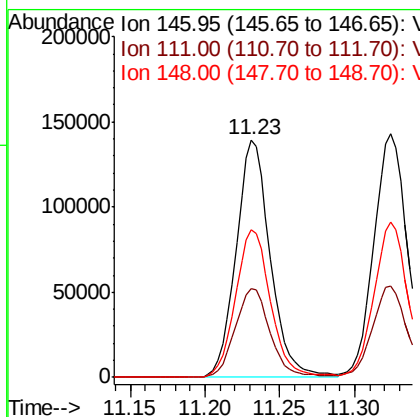
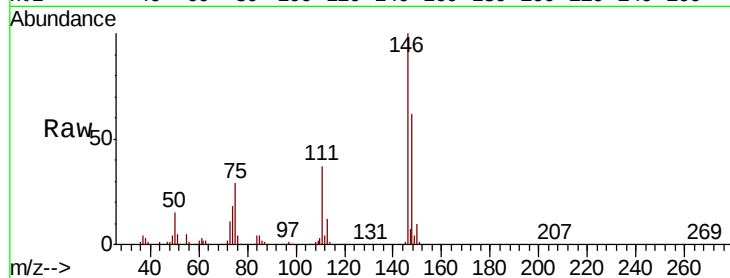




#62
 1,3-Dichlorobenzene
 Concen: 4.609 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

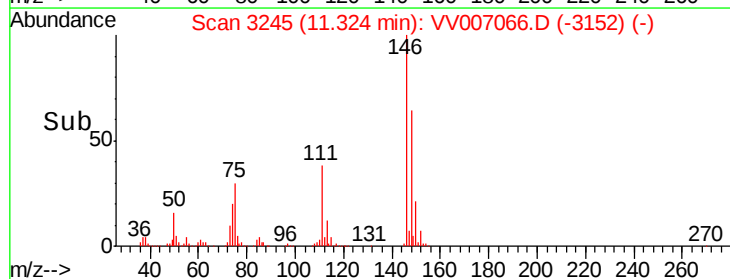
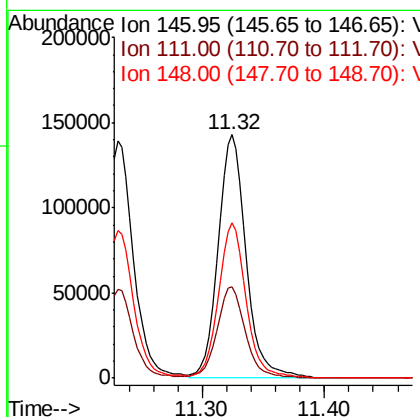
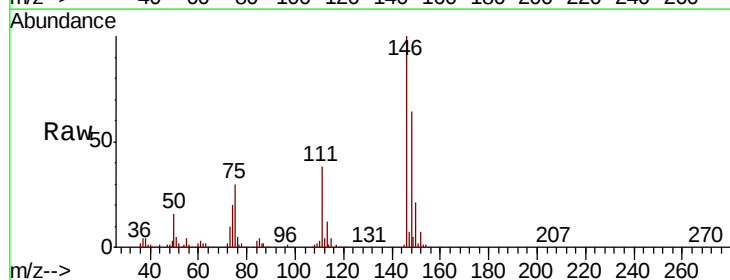
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

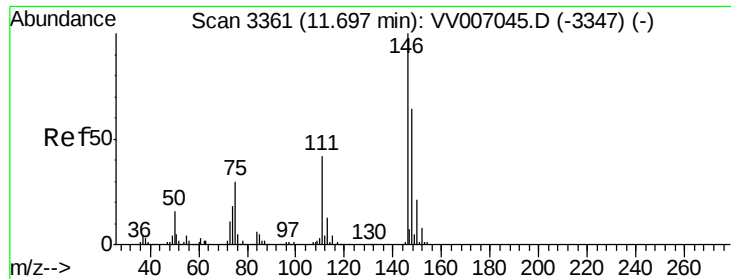
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	28.1	52.3
148	62.0	44.2	82.2



#63
 1,4-Dichlorobenzene
 Concen: 4.686 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.6	49.4
148	63.7	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 4.697 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

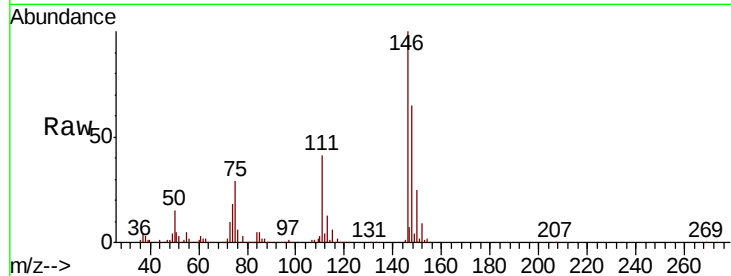
Tot Ion:146 Resp: 222130

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.6

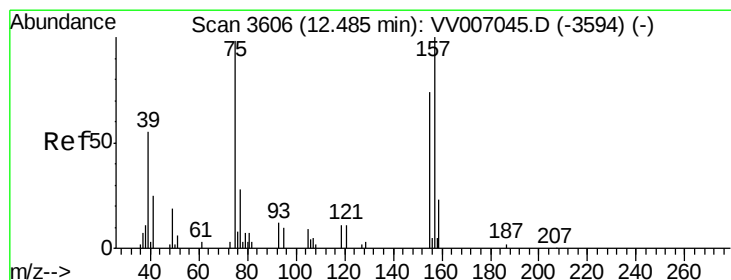
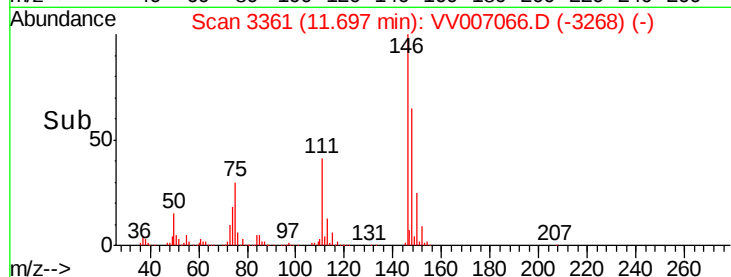
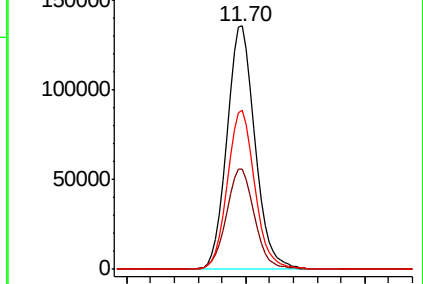
148 65.2 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.690 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

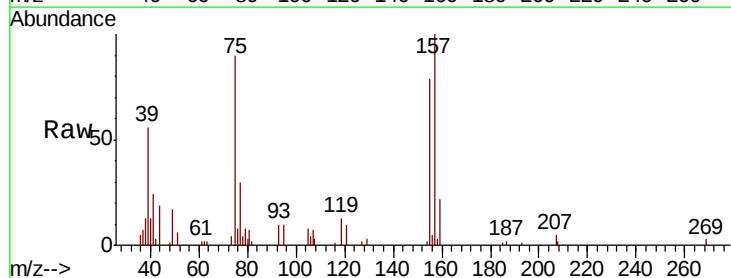
Tgt Ion: 75 Resp: 12391

Ion Ratio Lower Upper

75 100

155 88.3 62.6 94.0

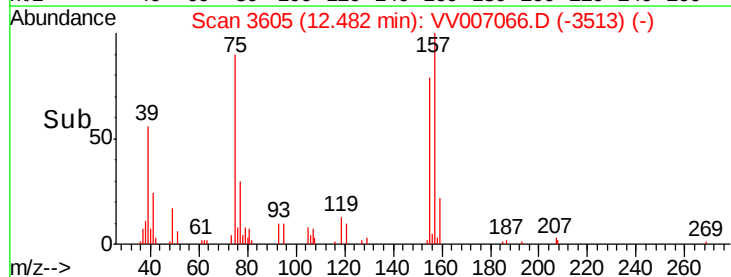
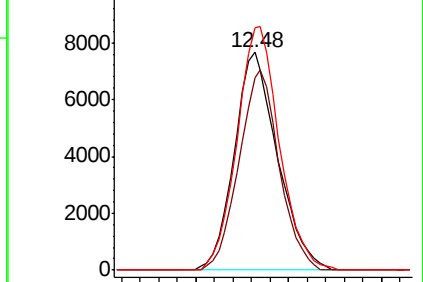
157 111.2 77.0 115.6

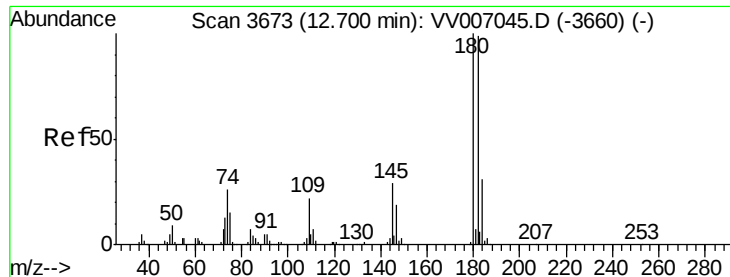


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

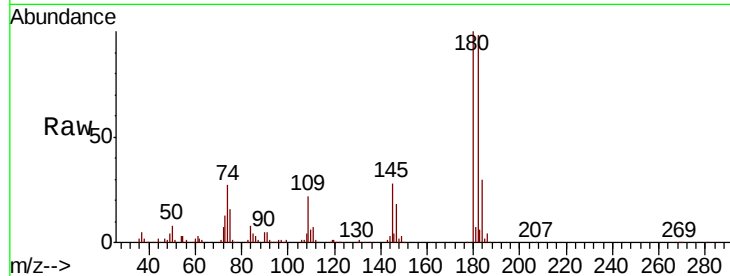




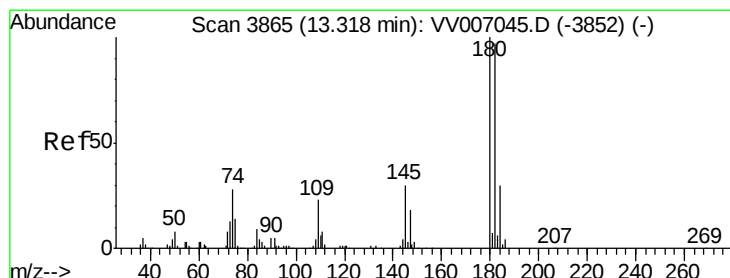
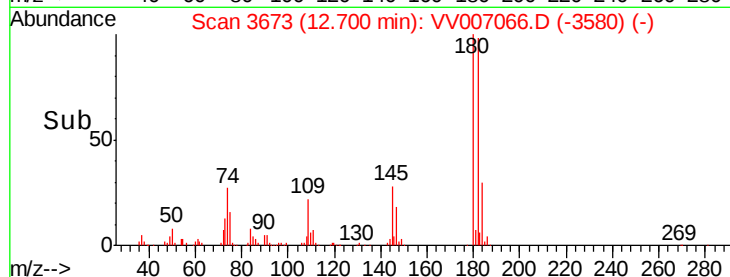
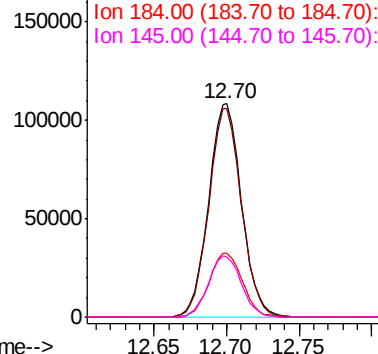
#67
 1,3,5-Trichlorobenzene
 Concen: 4.692 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tot Ion:180	Resp:	170730
Ion	Ratio	Lower Upper
180	100	
182	96.7	75.1 112.7
184	30.3	23.8 35.8
145	28.9	21.9 32.9

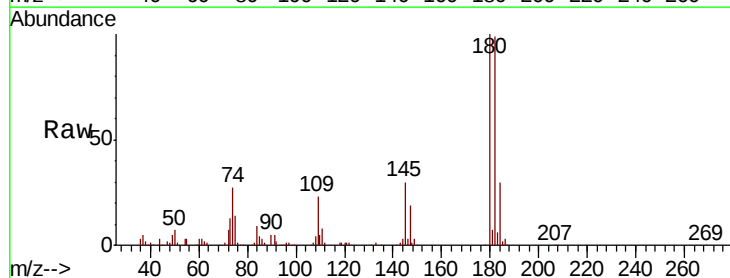


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

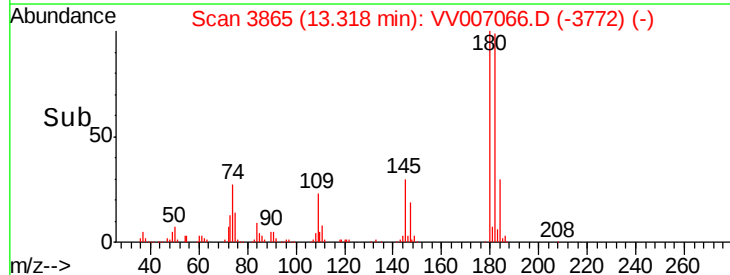
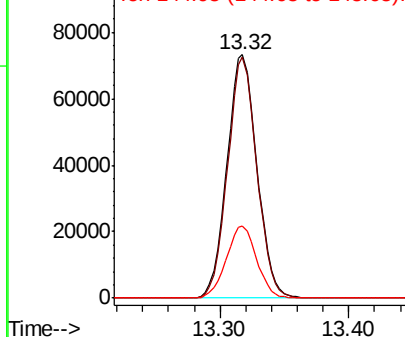


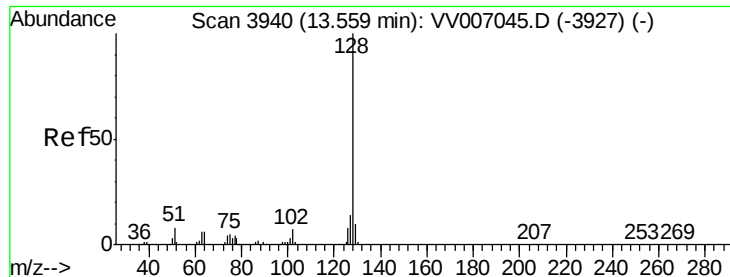
#68
 1,2,4-trichlorobenzene
 Concen: 4.415 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007066.D
 Acq: 20 Aug 2018 11:23

Tgt Ion:180	Resp:	117927
Ion	Ratio	Lower Upper
180	100	
182	96.3	76.5 114.7
145	29.9	23.6 35.4



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: 3.693 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

Instrument :

MSVOA_V

ClientSampled :

VSTD00565

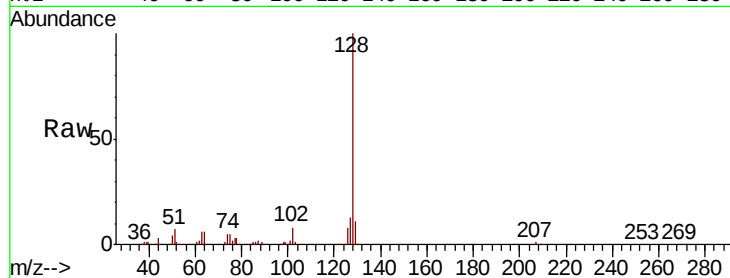
Tot Ion:128 Resp: 141643

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

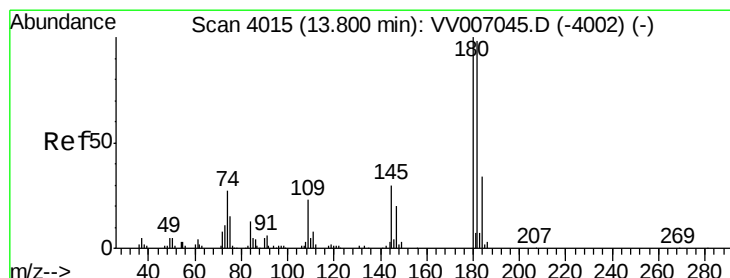
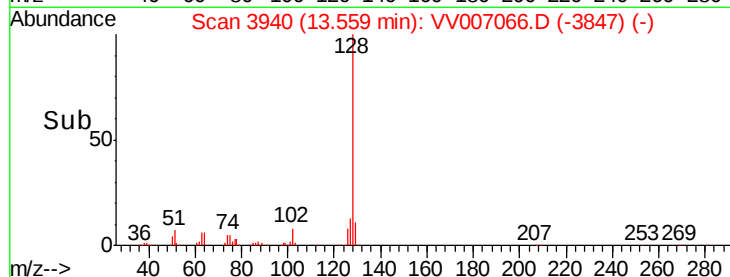
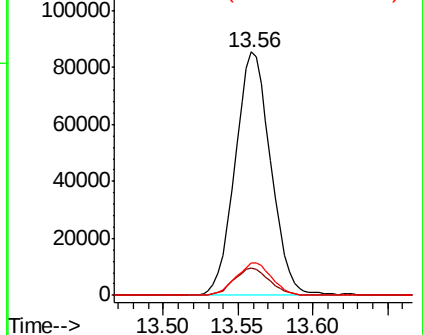
127 13.4 10.6 16.0



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: 4.286 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007066.D

Acq: 20 Aug 2018 11:23

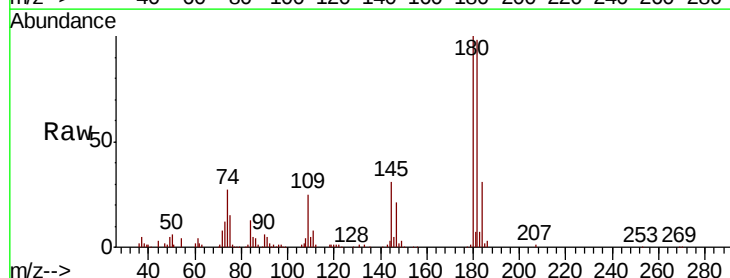
Tgt Ion:180 Resp: 110326

Ion Ratio Lower Upper

180 100

182 97.2 76.1 114.1

145 30.9 24.6 36.8



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

