

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007117.D
 Acq On : 21 Aug 2018 22:22
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Quant Time: Aug 22 03:50:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 03:46:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	297968	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	297832	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	136730	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101929	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	84888	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.13	63	183910	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.97	46	289029	59.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.38%
24) Chloroform-d	4.41	84	212412	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.09	65	106443	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.10	84	410927	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	133263	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	387138	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.67	79	47499	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.15	63	150076	53.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	108583	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	128778	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	123691	4.829 ug/L	99
3) Chloromethane	1.25	50	127331	4.557 ug/L	99
5) Vinyl chloride	1.32	62	123282	4.734 ug/L	98
6) Bromomethane	1.54	94	38116	4.456 ug/L	97
8) Chloroethane	1.60	64	79674	4.968 ug/L	98
9) Trichlorofluoromethane	1.77	101	171796	4.900 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104138	4.752 ug/L	98
12) 1,1-Dichloroethene	2.14	96	97800	4.764 ug/L	98
13) Acetone	2.21	43	133199	47.859 ug/L	87
14) Carbon disulfide	2.32	76	279061	4.729 ug/L	100
15) Methyl Acetate	2.47	43	36313	5.028 ug/L	98
16) Methylene chloride	2.54	84	107694	4.481 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	245156	4.998 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	105484	4.743 ug/L	98
19) 1,1-Dichloroethane	3.23	63	191353	4.556 ug/L	99
21) 2-Butanone	4.06	43	319379	55.737 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	119597	4.868 ug/L	98

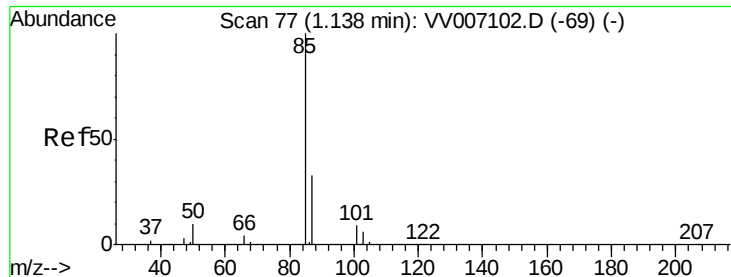
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	54260	4.838	ug/L	93
25) Chloroform	4.43	83	215730	4.815	ug/L	99
27) 1,2-Dichloroethane	5.19	62	132235	5.196	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	181814	4.701	ug/L	99
30) Cyclohexane	4.72	56	159076	4.585	ug/L	99
31) Carbon tetrachloride	4.88	117	155791	4.808	ug/L	99
33) Benzene	5.15	78	478267	4.867	ug/L	100
34) Trichloroethene	5.96	95	112237	4.745	ug/L	97
35) Methylcyclohexane	6.18	83	164031	4.635	ug/L	99
37) 1,2-Dichloropropane	6.23	63	125644	4.734	ug/L	99
38) Bromodichloromethane	6.56	83	149356	4.844	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	148327	4.729	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	716533	55.448	ug/L	100
42) Toluene	7.44	91	479182	5.094	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	127543	4.893	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	89984	5.054	ug/L	98
47) Tetrachloroethene	8.02	164	95966	4.858	ug/L	99
48) 2-Hexanone	8.20	43	557427	57.375	ug/L	98
49) Dibromochloromethane	8.30	129	99385	5.069	ug/L	99
50) 1,2-Dibromoethane	8.40	107	78458	5.258	ug/L	98
51) Chlorobenzene	8.93	112	300748	4.852	ug/L	98
52) Ethylbenzene	9.06	91	444081	4.793	ug/L	99
53) m,p-xylene	9.19	106	172033	4.902	ug/L	99
54) o-xylene	9.59	106	162095	4.843	ug/L	98
55) Styrene	9.61	104	285144	4.998	ug/L	97
56) Isopropylbenzene	9.98	105	423294	4.871	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	108981	5.186	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	77901	5.132	ug/L	98
61) Bromoform	9.78	173	53904	4.969	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	208351	4.760	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	215379	4.693	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	214593	4.875	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13152	5.184	ug/L	87
67) 1,3,5-Trichlorobenzene	12.70	180	153532	4.673	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	107893	4.910	ug/L	98
69) Naphthalene	13.56	128	137846	4.731	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	107622	5.012	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.829 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

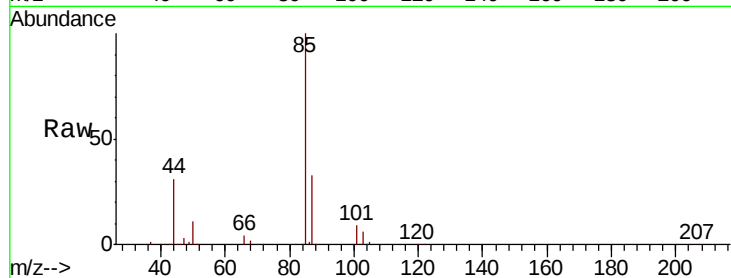
VSTD00574

Tgt Ion: 85 Resp: 123691

Ion Ratio Lower Upper

85 100

87 32.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV007102.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007102.D (-69) (-)

1.14

150000

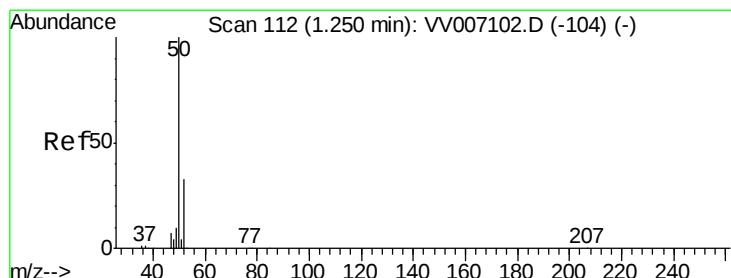
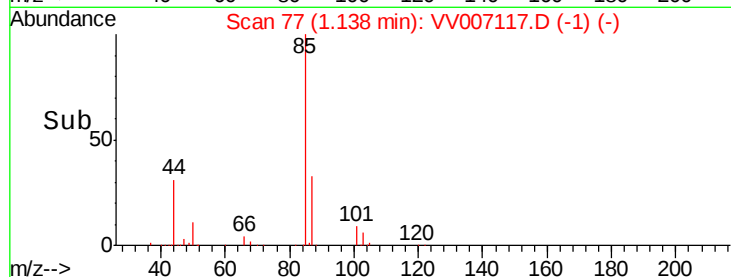
100000

50000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 4.557 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007117.D

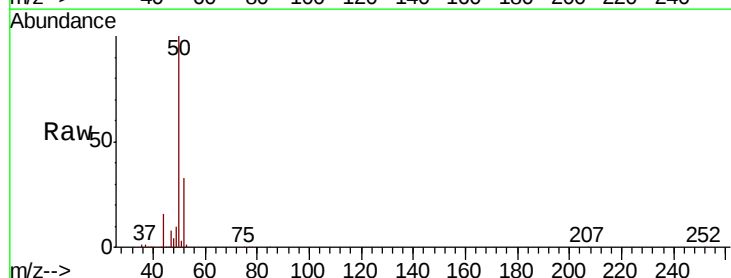
Acq: 21 Aug 2018 22:22

Tgt Ion: 50 Resp: 127331

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV007102.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007102.D (-104) (-)

1.25

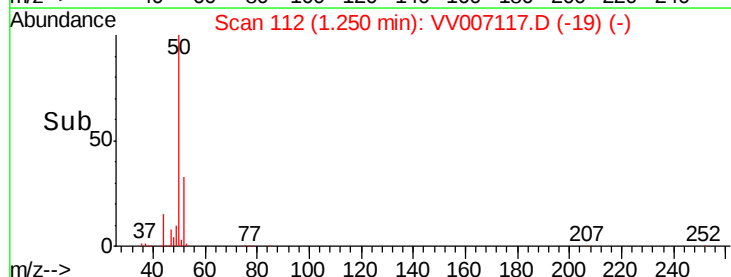
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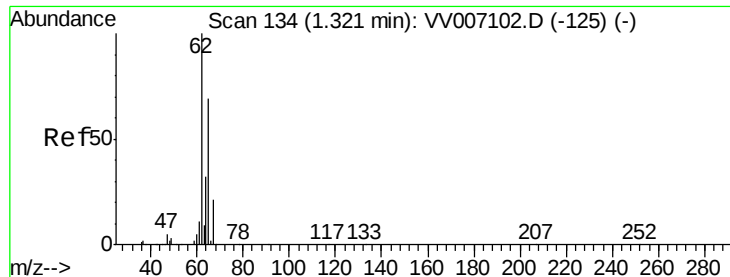
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.734 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

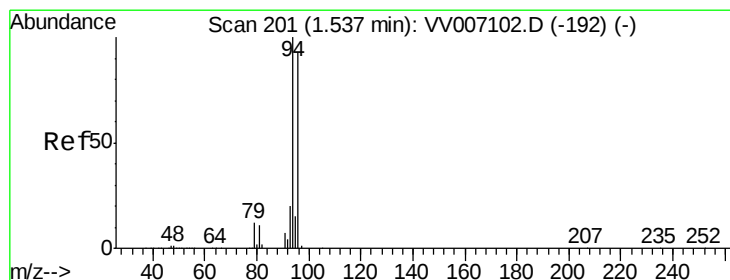
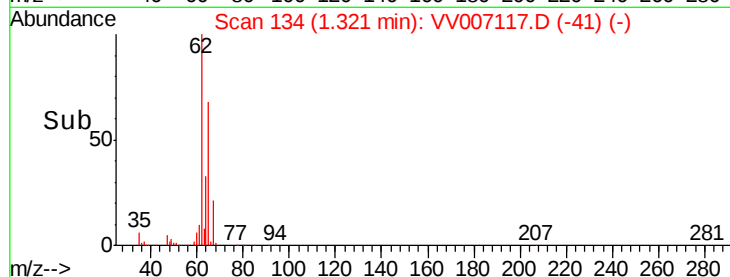
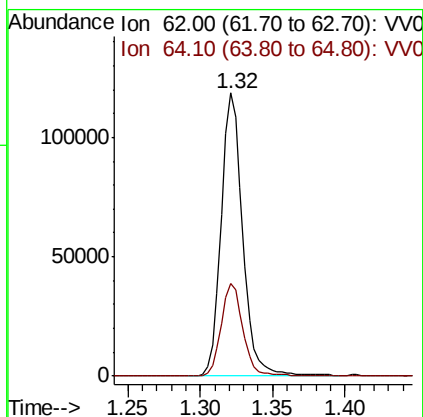
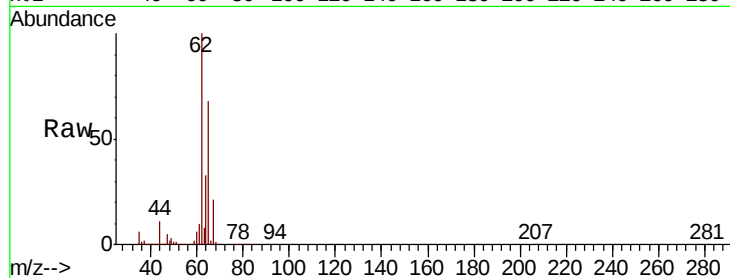
VSTD00574

Tgt Ion: 62 Resp: 123282

Ion Ratio Lower Upper

62 100

64 32.8 22.0 41.0



#6

Bromomethane

Concen: 4.456 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007117.D

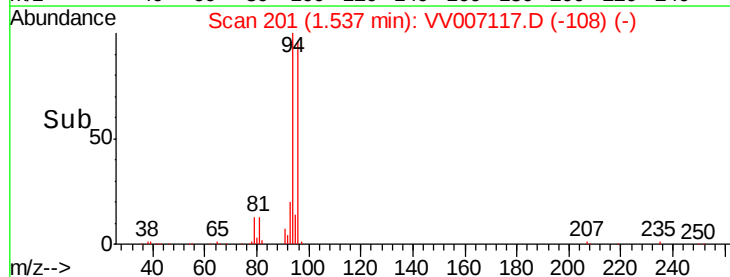
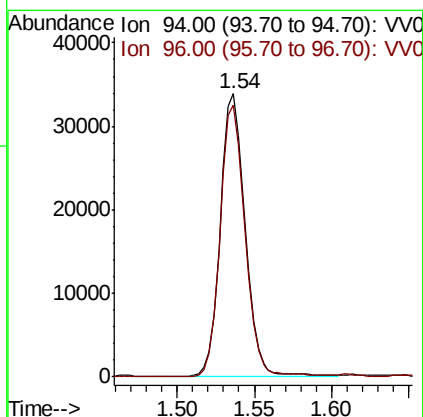
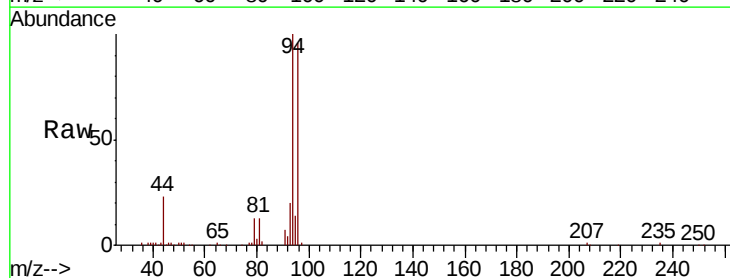
Acq: 21 Aug 2018 22:22

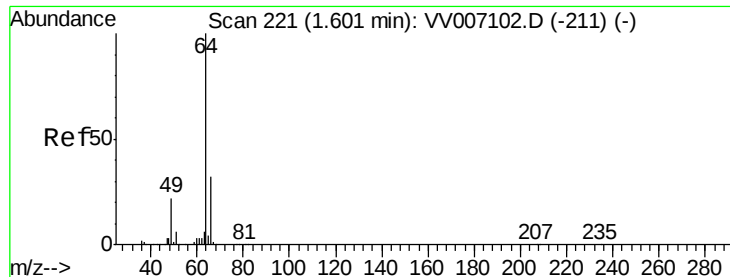
Tgt Ion: 94 Resp: 38116

Ion Ratio Lower Upper

94 100

96 96.1 65.5 121.6





#8

Chloroethane

Concen: 4.968 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

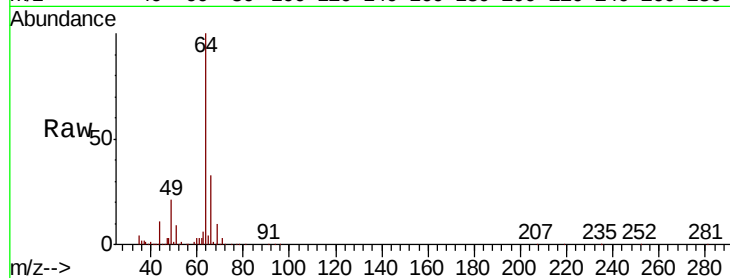
VSTD00574

Tgt Ion: 64 Resp: 79674

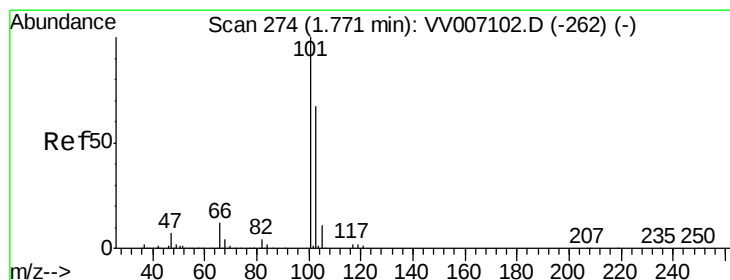
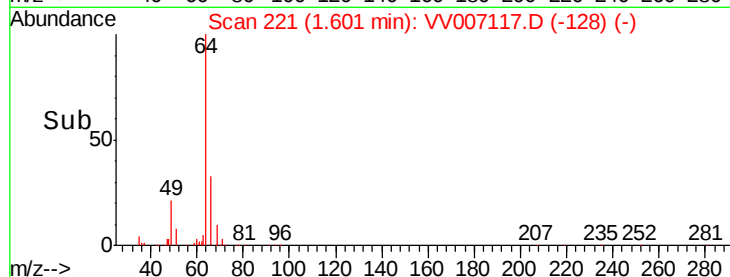
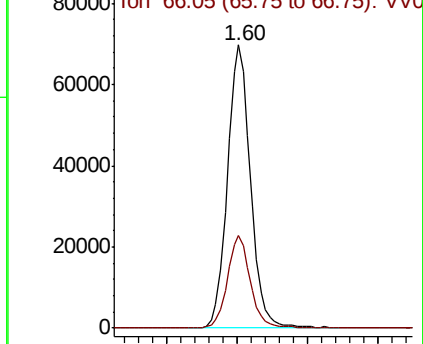
Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007117.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 4.900 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007117.D

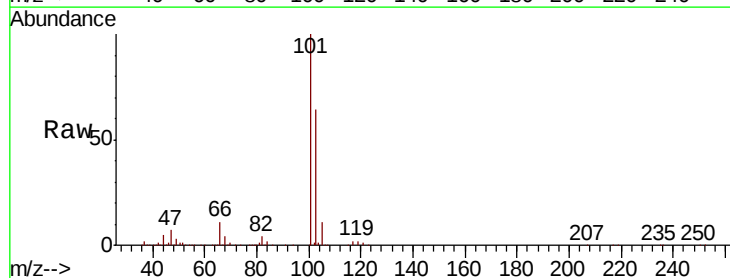
Acq: 21 Aug 2018 22:22

Tgt Ion: 101 Resp: 171796

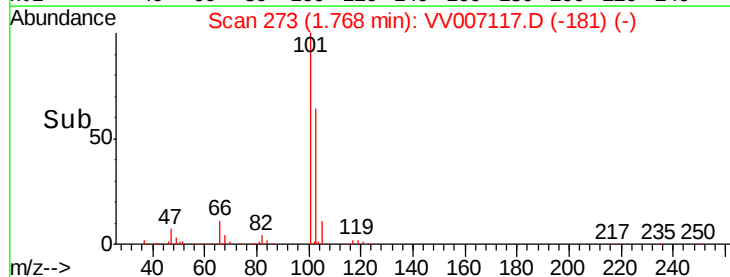
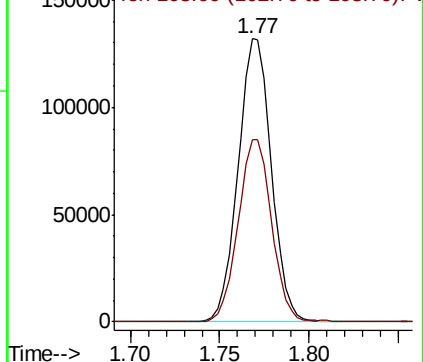
Ion Ratio Lower Upper

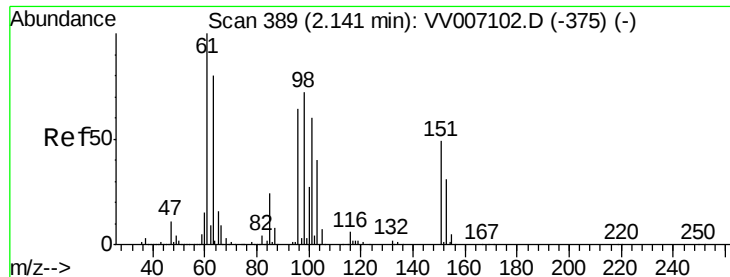
101 100

103 64.7 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV007117.D (-181) (-)





#10

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

Concen: 4.752 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

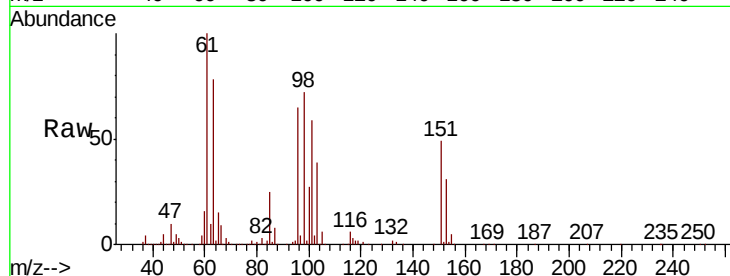
Tgt Ion:101 Resp: 104138

Ion Ratio Lower Upper

101 100

85 41.6 31.9 47.9

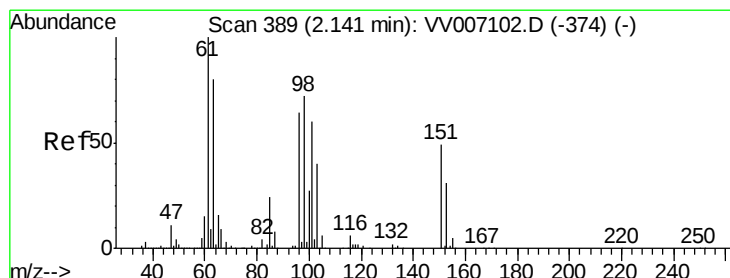
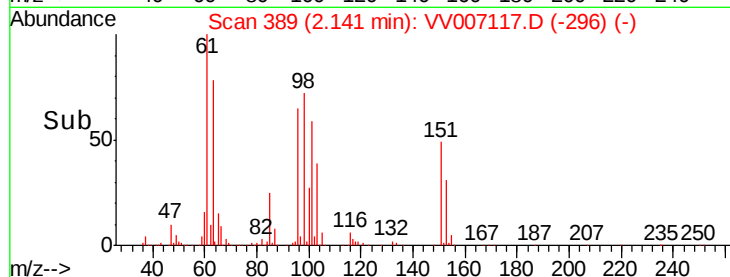
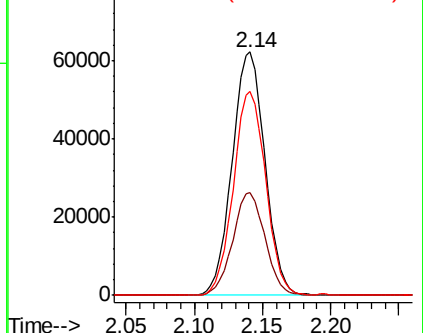
151 82.4 64.2 96.4



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: 4.764 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

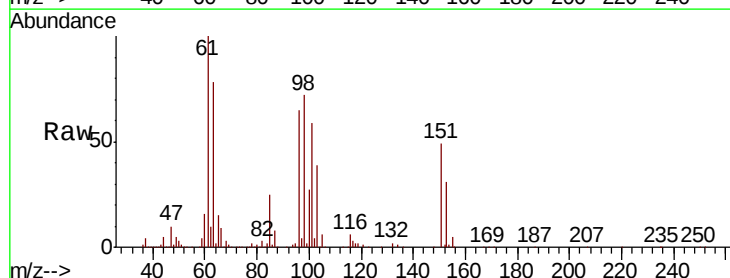
Tgt Ion: 96 Resp: 97800

Ion Ratio Lower Upper

96 100

61 154.7 108.7 201.9

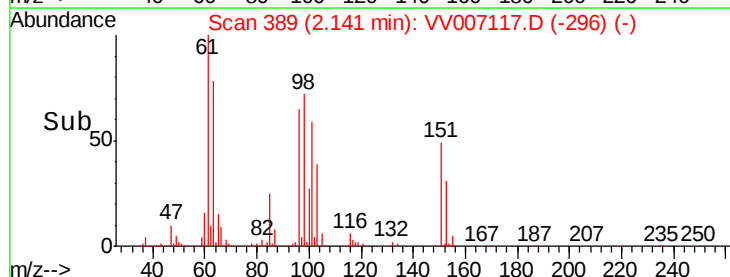
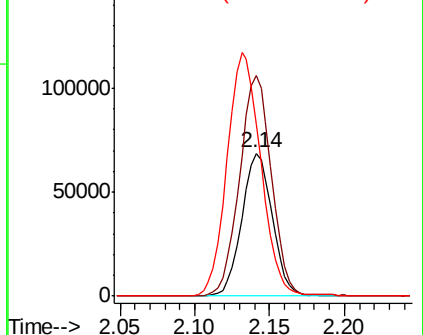
63 120.7 87.4 162.4

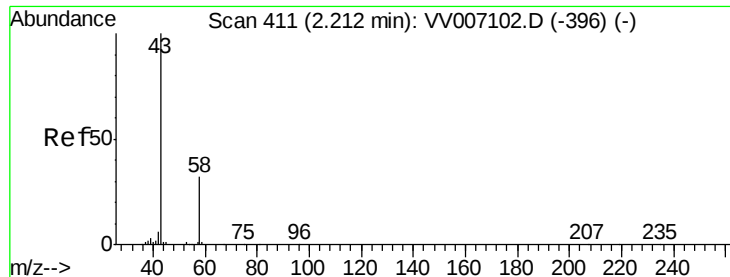


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.859 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

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MSVOA_V

ClientSampleId :

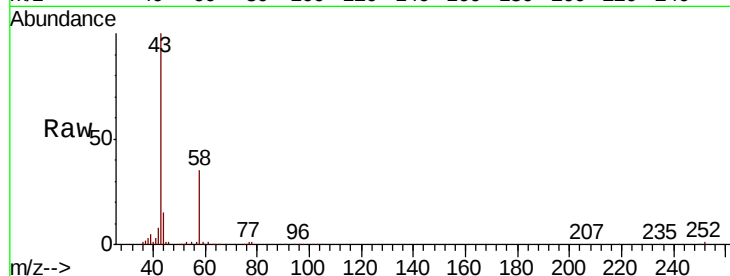
VSTD00574

Tgt Ion: 43 Resp: 133199

Ion Ratio Lower Upper

43 100

58 32.9 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007102.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007102.D (-396) (-)

2.21

40000

30000

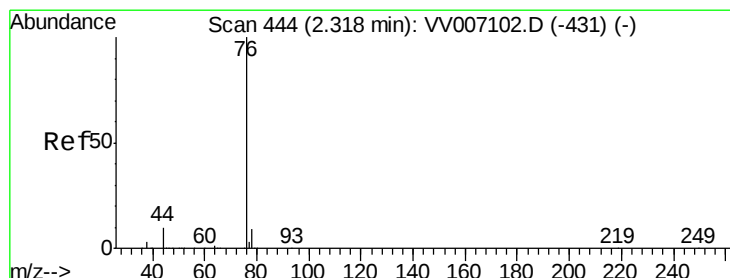
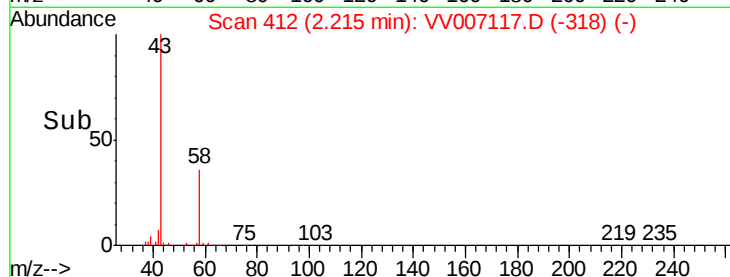
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.729 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007117.D

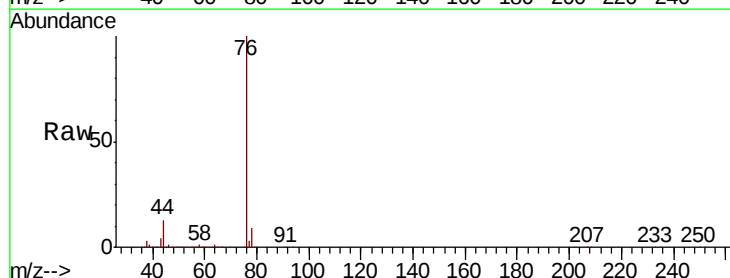
Acq: 21 Aug 2018 22:22

Tgt Ion: 76 Resp: 279061

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007102.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007102.D (-431) (-)

2.32

200000

150000

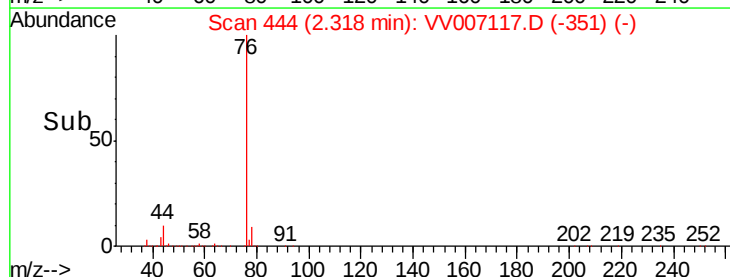
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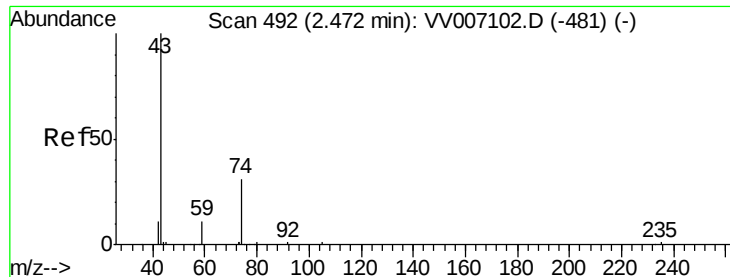
50000

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Time-->

2.25 2.30 2.35 2.40 2.45

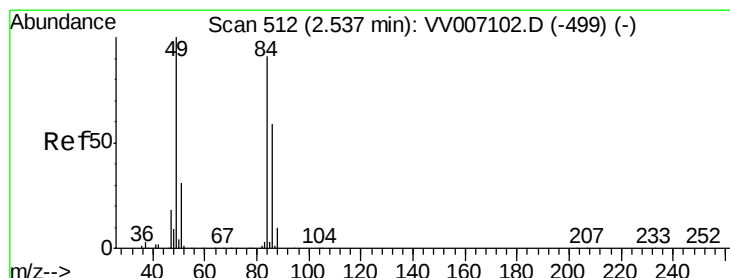
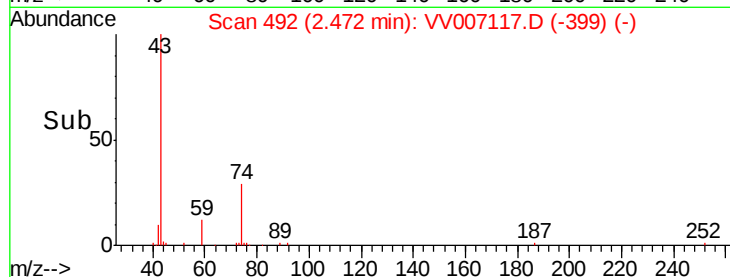
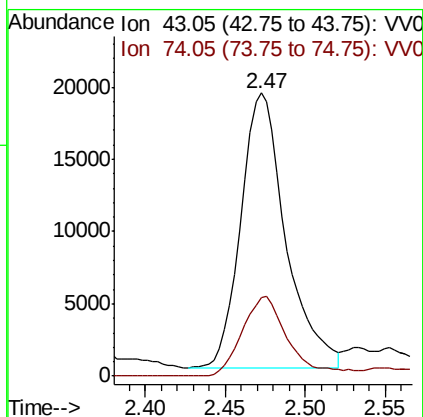
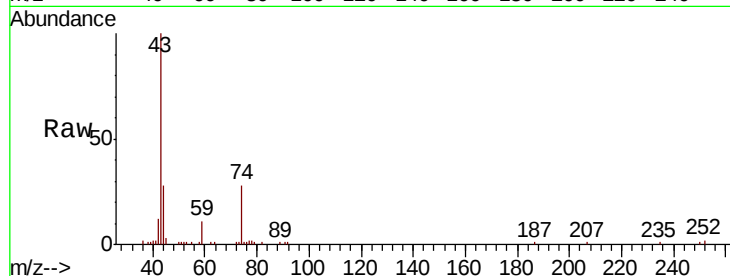




#15
Methyl Acetate
Concen: 5.028 ug/L
RT: 2.47 min Scan# 492
Delta R.T. -0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

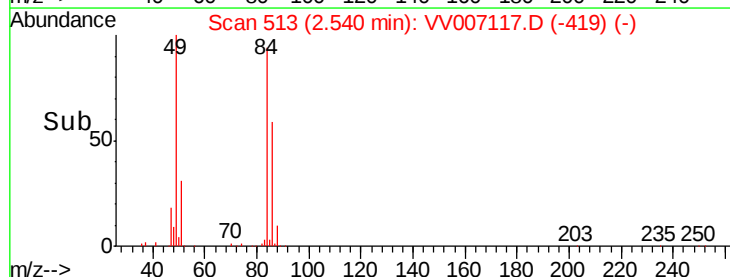
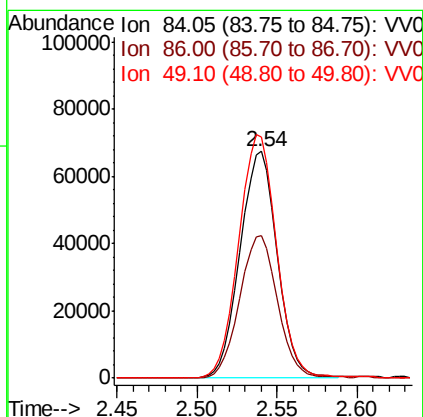
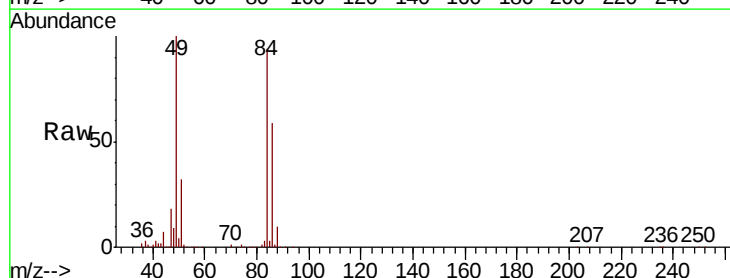
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

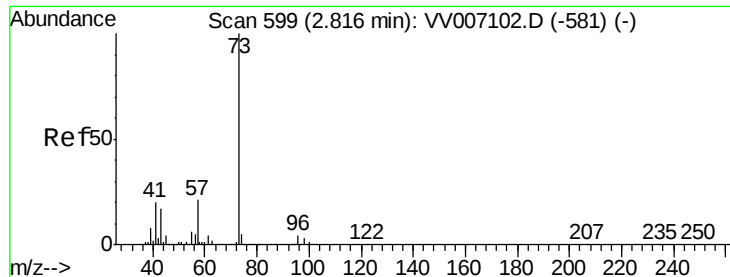
Tgt Ion: 43 Resp: 36313
Ion Ratio Lower Upper
43 100
74 30.3 25.0 37.6



#16
Methylene chloride
Concen: 4.481 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

Tgt Ion: 84 Resp: 107694
Ion Ratio Lower Upper
84 100
86 62.8 44.9 83.5
49 106.2 76.6 142.3





#17

Methyl tert-butyl Ether

Concen: 4.998 ug/L

RT: 2.82 min Scan# 599

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

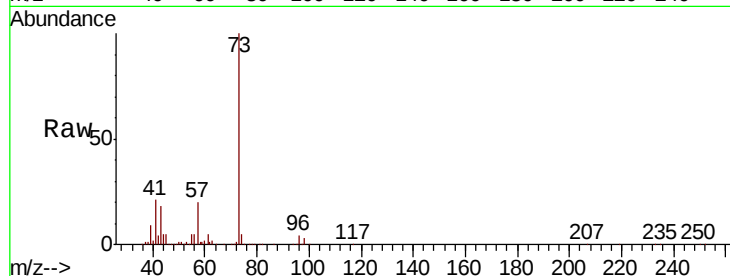
Tgt Ion: 73 Resp: 245156

Ion Ratio Lower Upper

73 100

43 17.6 14.0 21.0

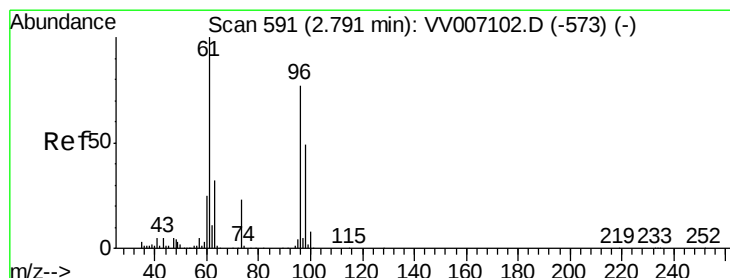
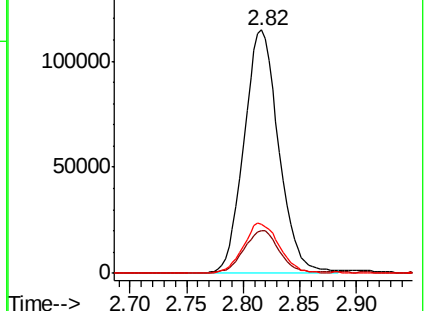
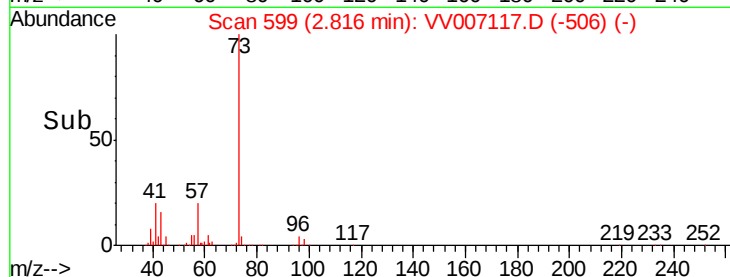
57 21.1 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV007117.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV007117.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV007117.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.743 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

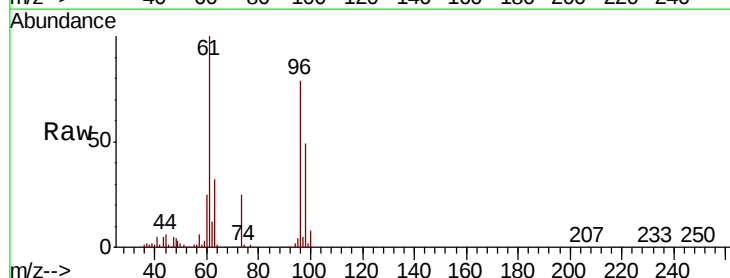
Tgt Ion: 96 Resp: 105484

Ion Ratio Lower Upper

96 100

61 127.2 91.4 169.8

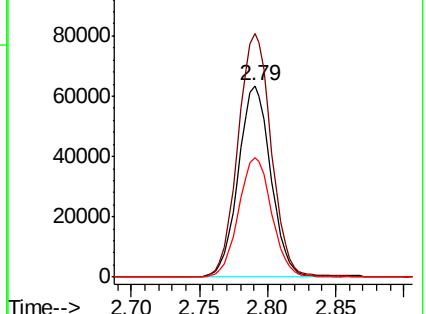
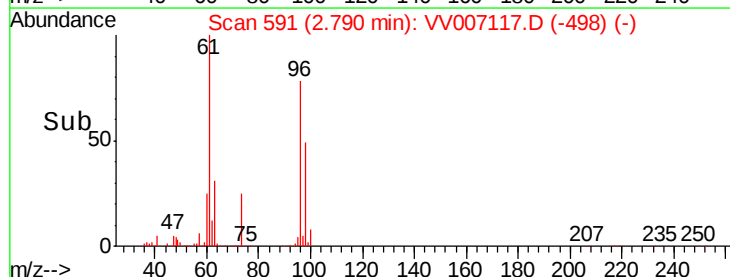
98 62.7 44.7 83.1

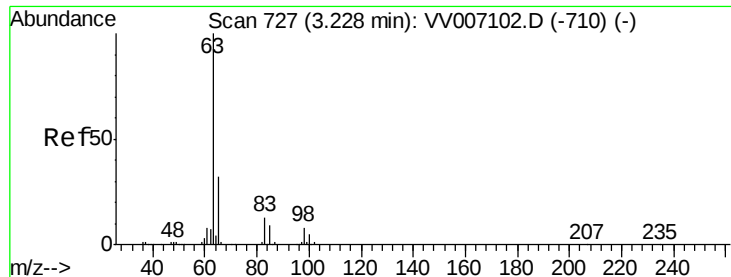


Abundance Ion 96.00 (95.70 to 96.70): VV007117.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV007117.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV007117.D (-498) (-)

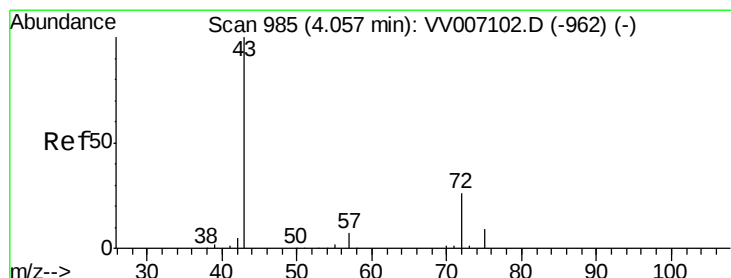
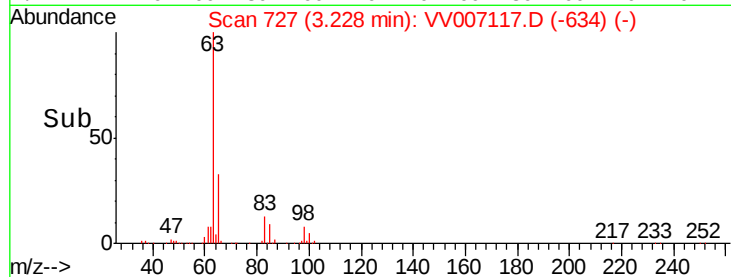
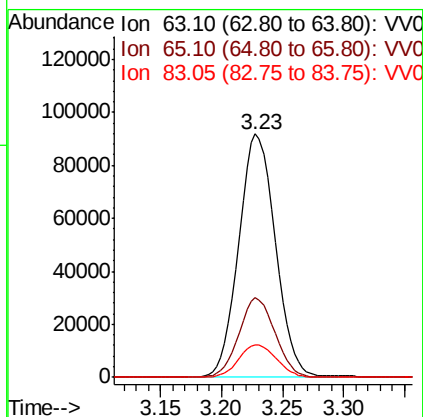
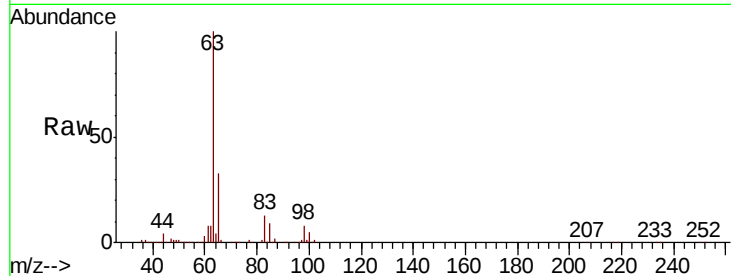




#19
 1,1-Dichloroethane
 Concen: 4.556 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

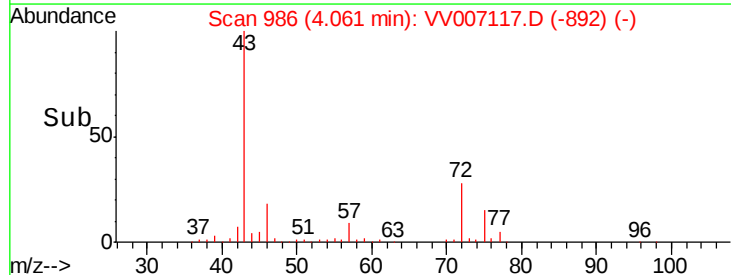
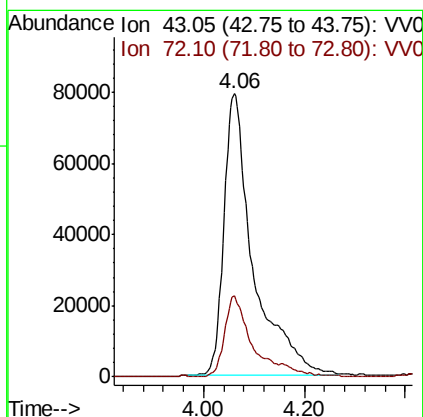
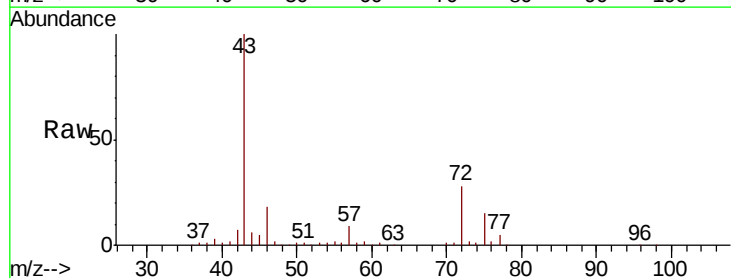
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

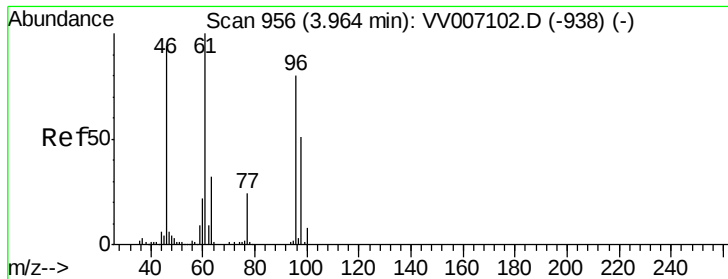
Tgt Ion: 63 Resp: 191353
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.5 41.9
 83 13.2 8.8 16.3



#21
 2-Butanone
 Concen: 55.737 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion: 43 Resp: 319379
 Ion Ratio Lower Upper
 43 100
 72 25.5 11.5 34.5



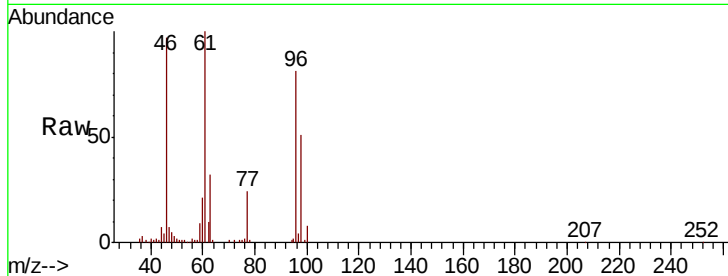


#22

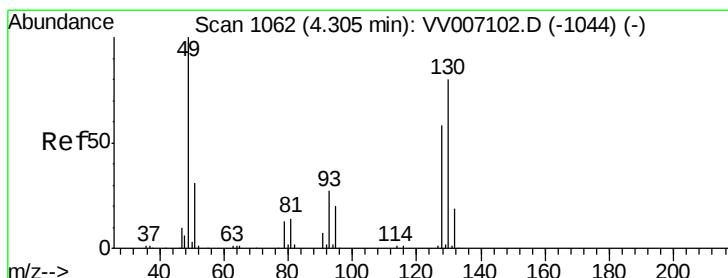
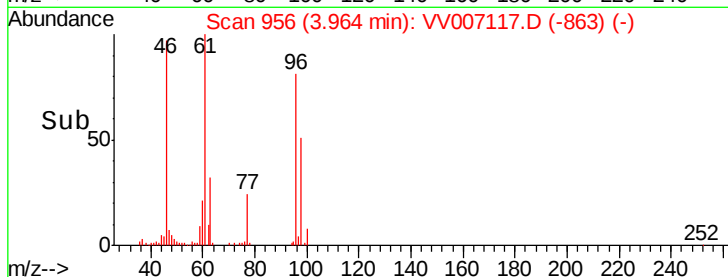
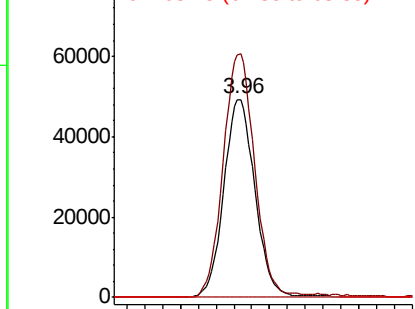
cis-1,2-Dichloroethene
 Concen: 4.868 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 96 Resp: 119597
 Ion Ratio Lower Upper
 96 100
 61 122.8 87.7 162.9
 68 0.0 0.0 0.0



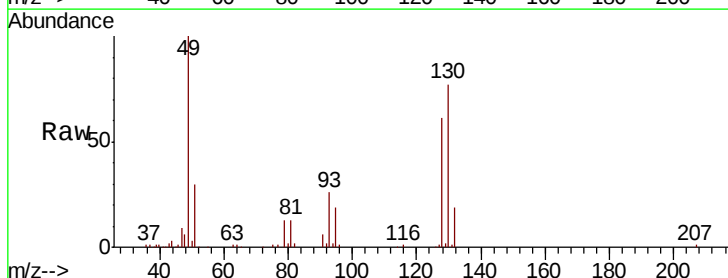
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



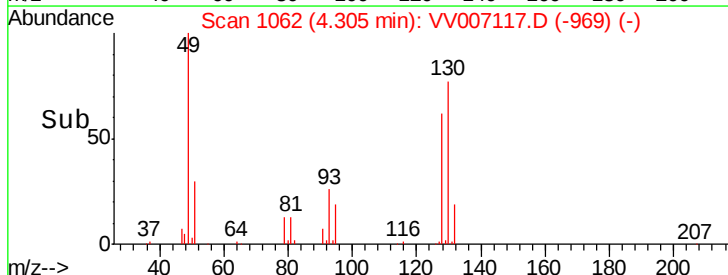
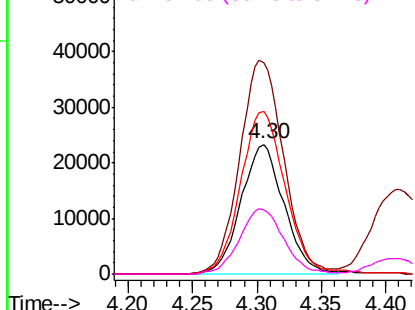
#23

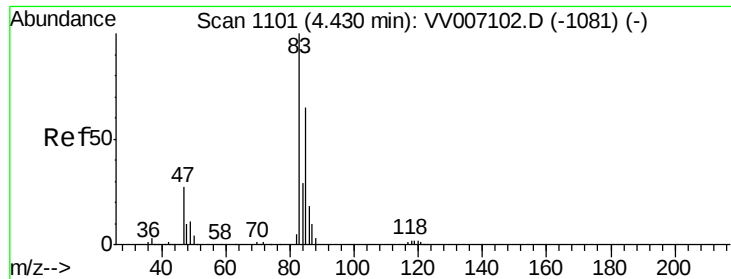
Bromochloromethane
 Concen: 4.838 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion: 128 Resp: 54260
 Ion Ratio Lower Upper
 128 100
 49 163.4 120.0 222.8
 130 125.1 96.0 178.4
 51 49.2 42.6 63.8



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

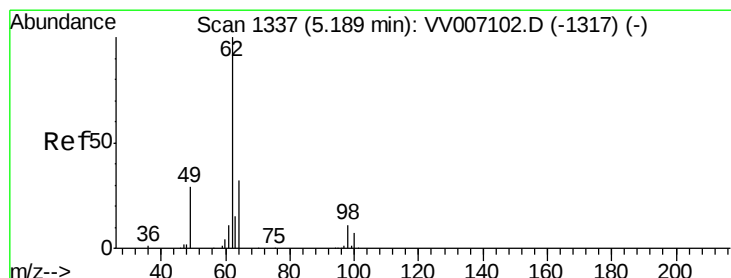
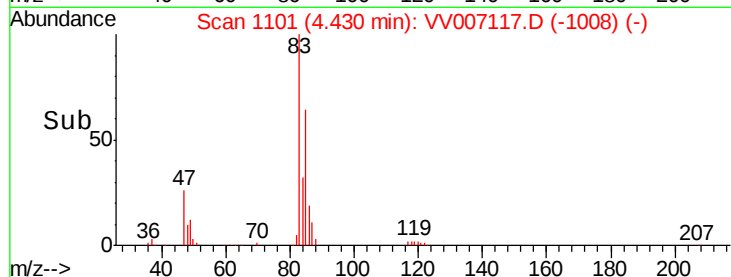
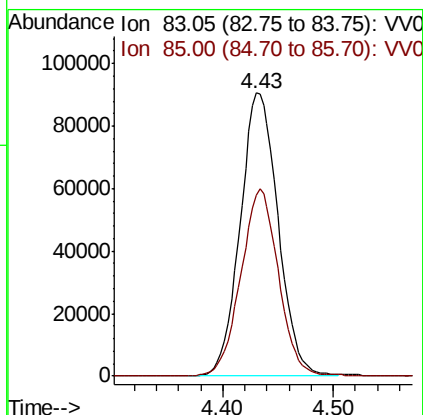
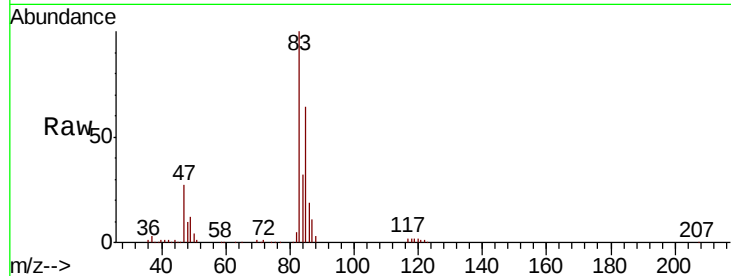




#25
Chloroform
Concen: 4.815 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

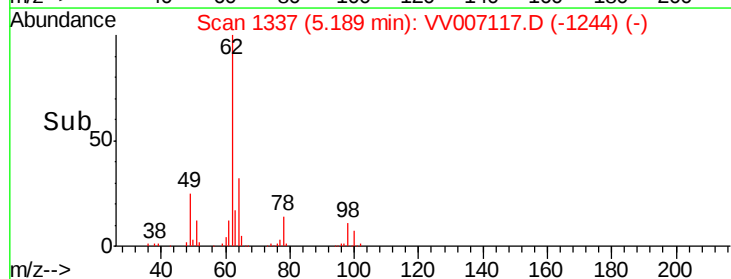
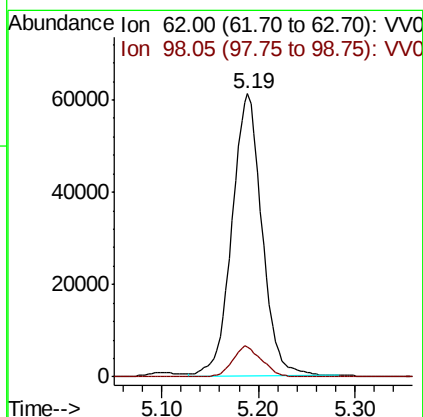
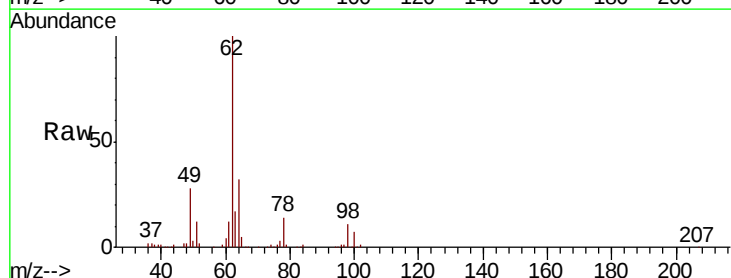
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

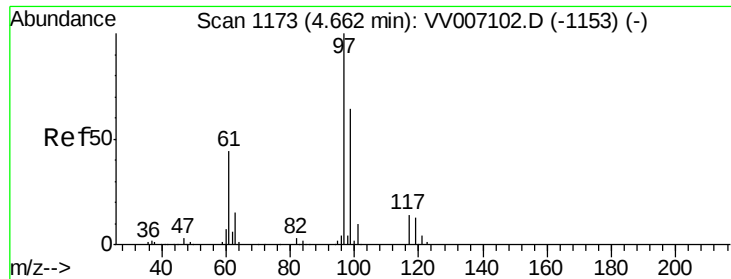
Tgt Ion: 83 Resp: 215730
Ion Ratio Lower Upper
83 100
85 64.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.196 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

Tgt Ion: 62 Resp: 132235
Ion Ratio Lower Upper
62 100
98 10.8 8.4 12.6

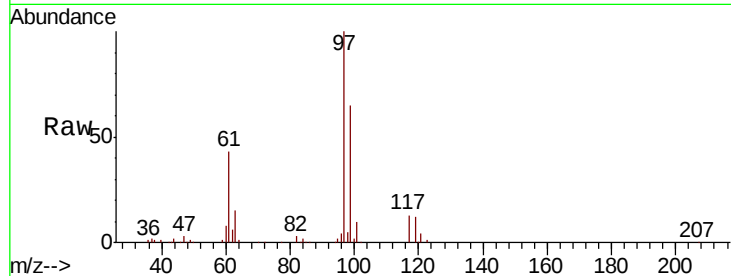




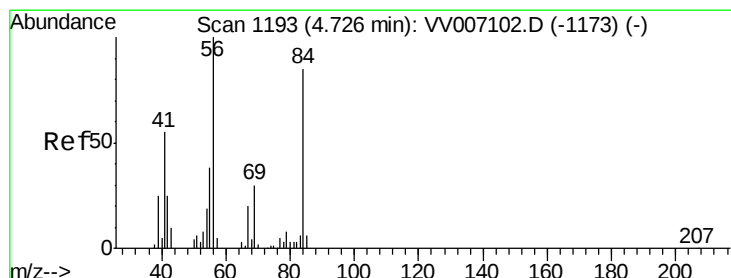
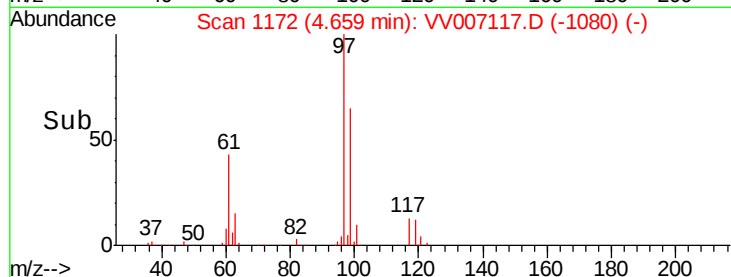
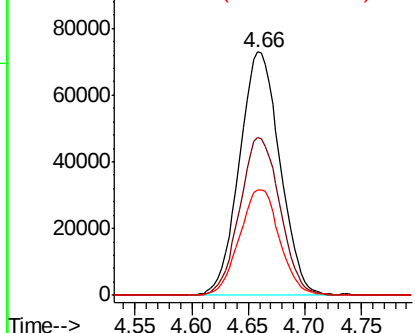
#29
 1,1,1-Trichloroethane
 Concen: 4.701 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 97 Resp: 181814
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 43.1 35.3 52.9

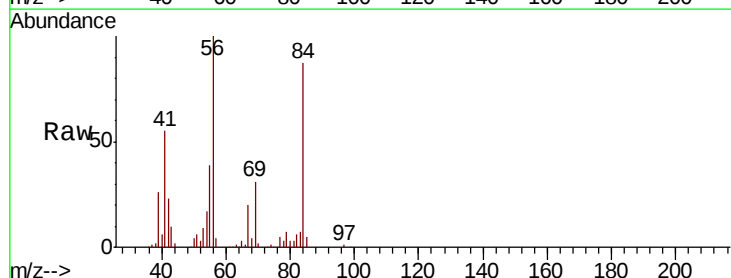


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

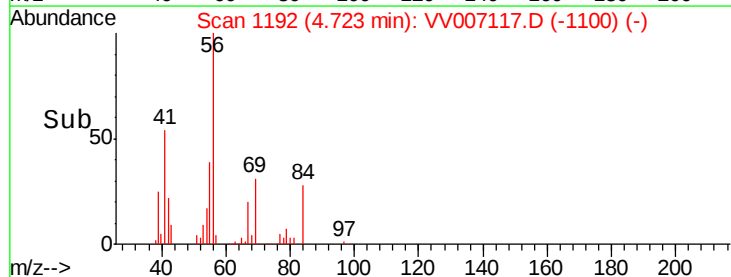
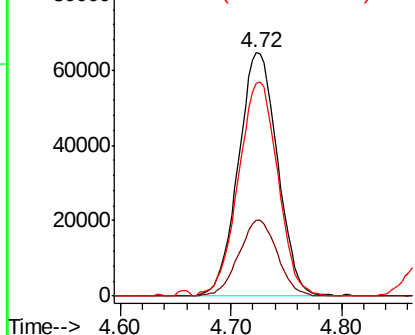


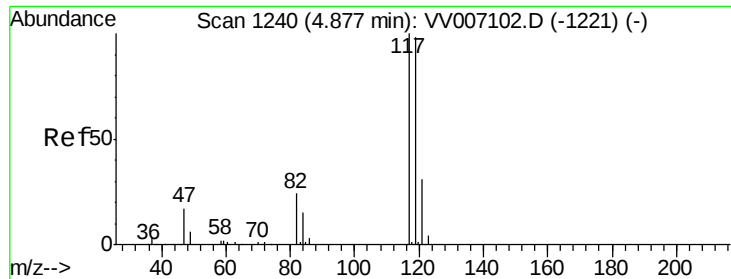
#30
 Cyclohexane
 Concen: 4.585 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion: 56 Resp: 159076
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.3 36.5
 84 88.8 69.8 104.6



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: 4.808 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

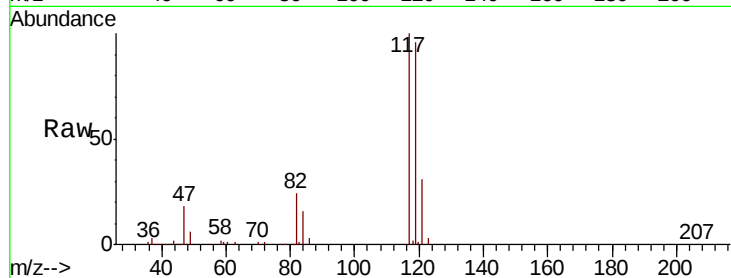
VSTD00574

Tgt Ion:117 Resp: 155791

Ion Ratio Lower Upper

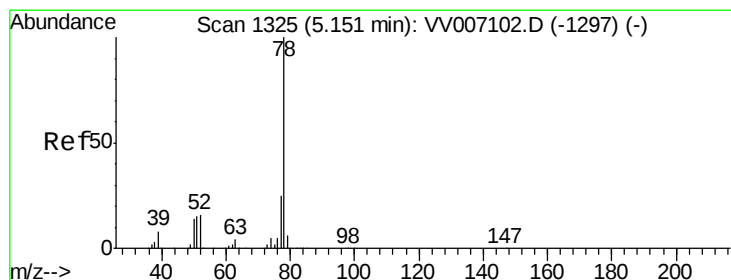
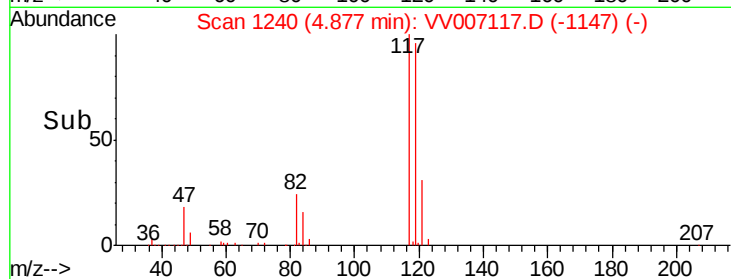
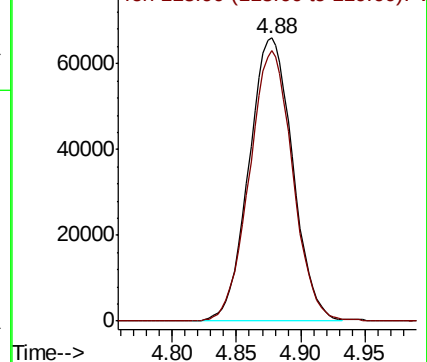
117 100

119 94.7 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.867 ug/L

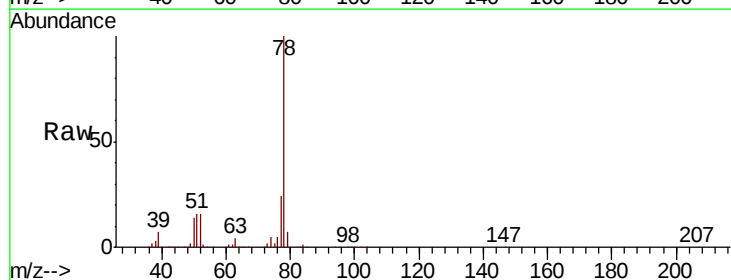
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

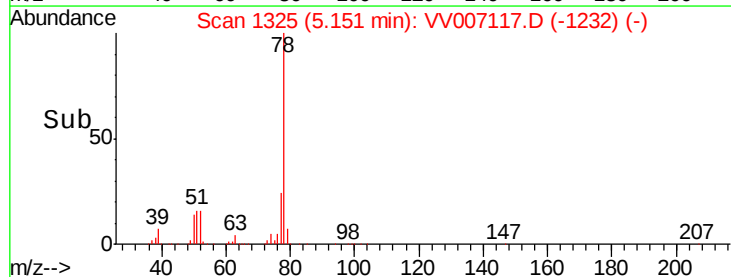
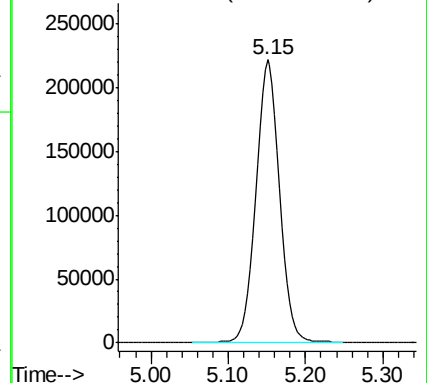
Lab File: VV007117.D

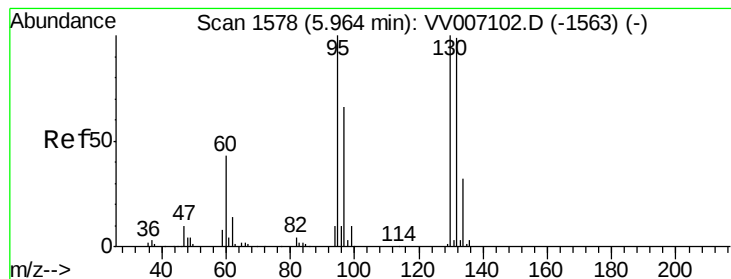
Acq: 21 Aug 2018 22:22

Tgt Ion: 78 Resp: 478267



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.745 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 95 Resp: 112237

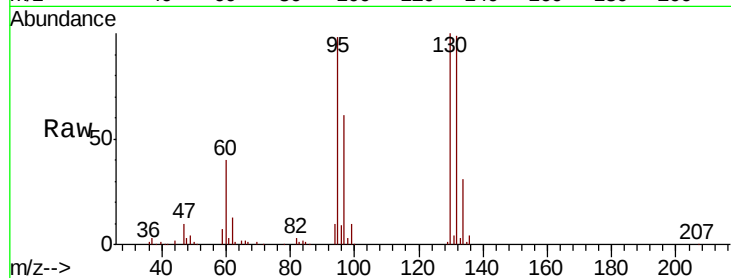
Ion Ratio Lower Upper

95 100

97 62.1 46.0 85.4

132 100.9 69.2 128.4

130 102.1 69.7 129.4

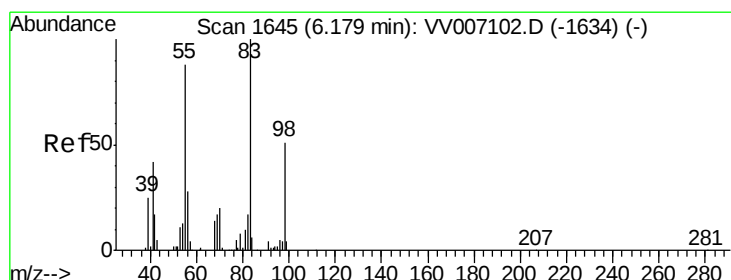
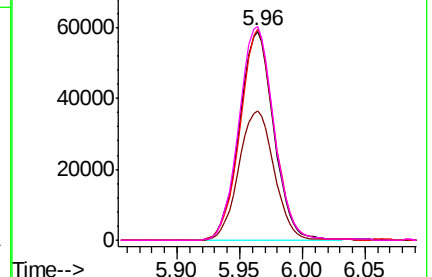
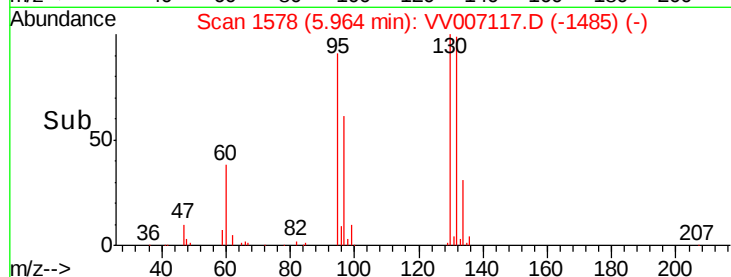


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.635 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

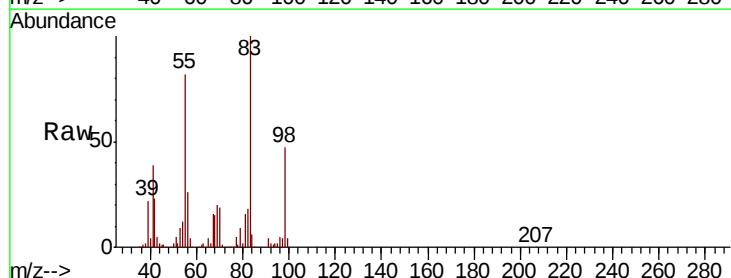
Tgt Ion: 83 Resp: 164031

Ion Ratio Lower Upper

83 100

55 82.3 65.5 98.3

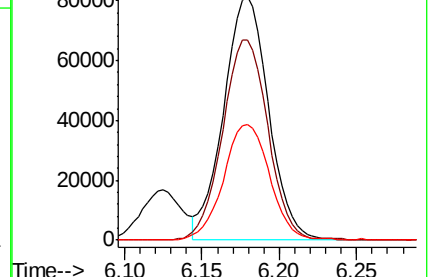
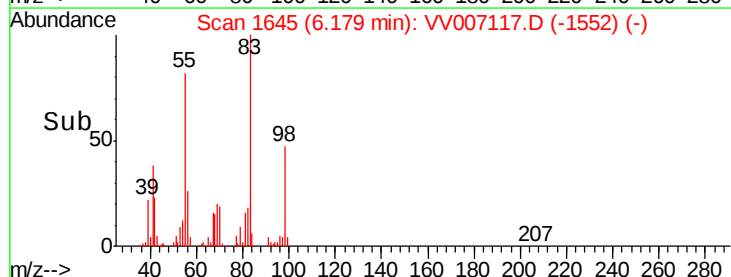
98 48.9 38.5 57.7

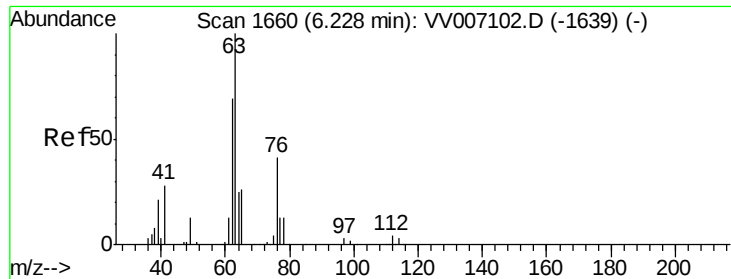


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

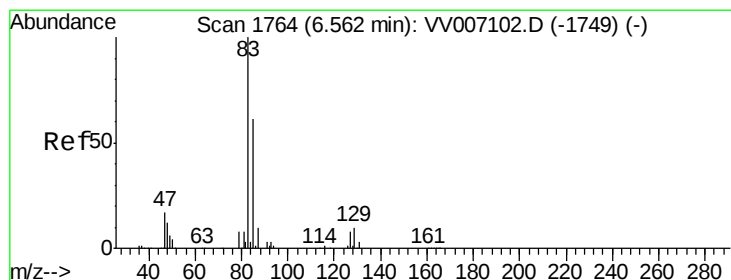
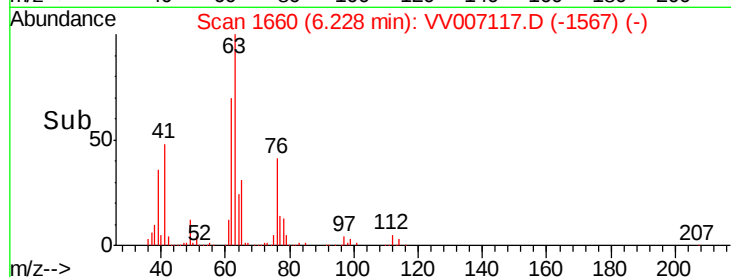
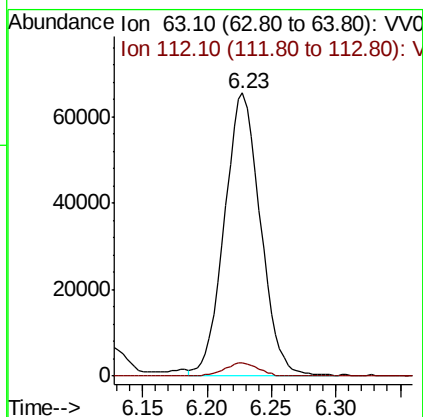
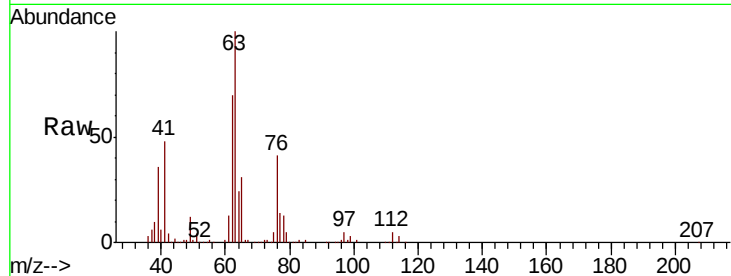




#37
 1,2-Dichloropropane
 Concen: 4.734 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

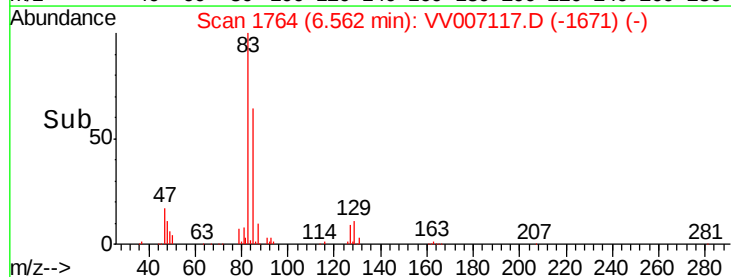
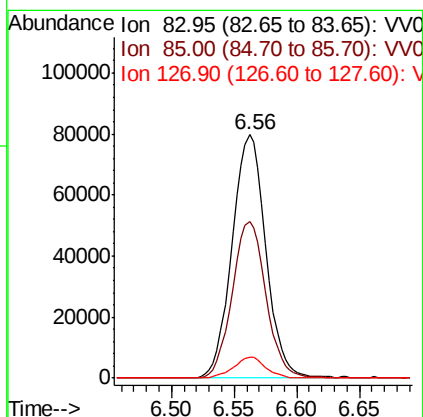
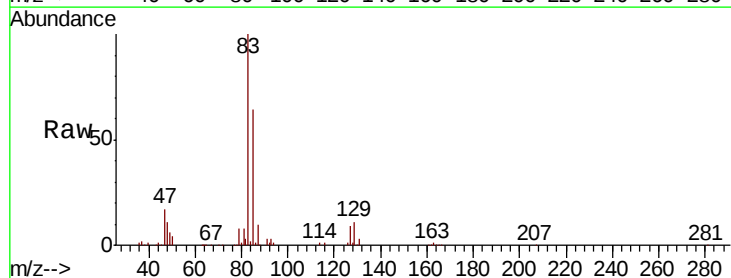
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

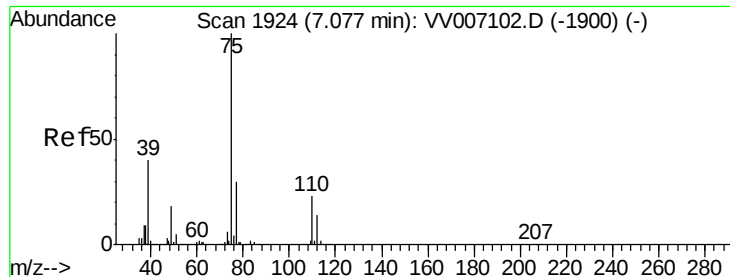
Tgt Ion: 63 Resp: 125644
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.844 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion: 83 Resp: 149356
 Ion Ratio Lower Upper
 83 100
 85 64.1 42.8 79.4
 127 8.6 6.6 10.0

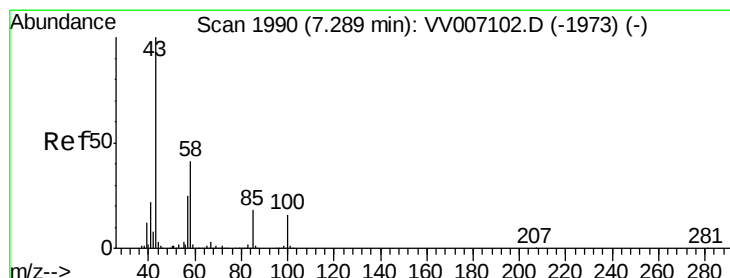
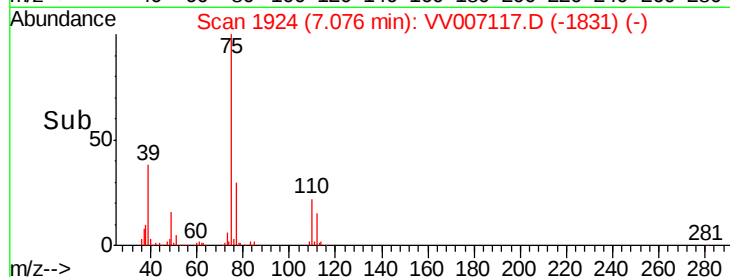
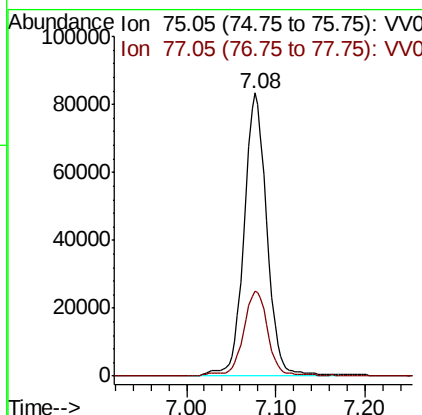
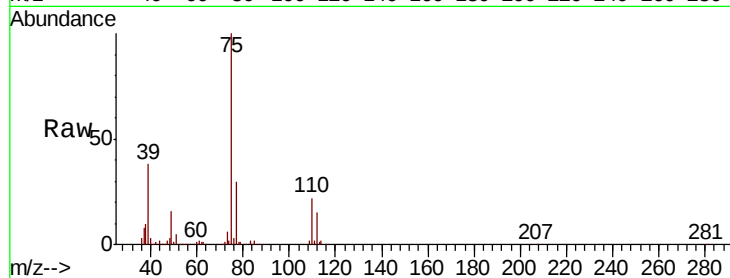




#39
 cis-1,3-Dichloropropene
 Concen: 4.729 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

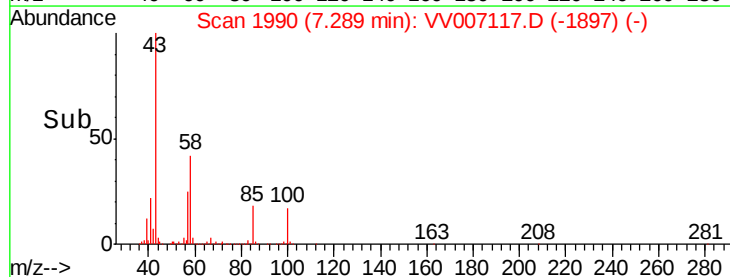
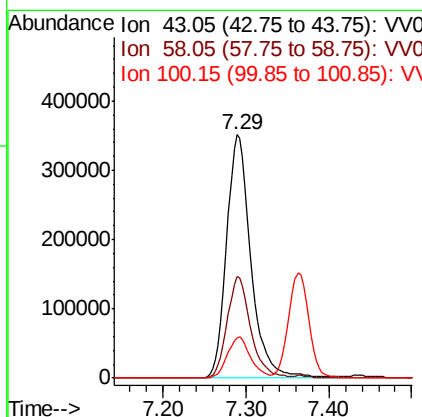
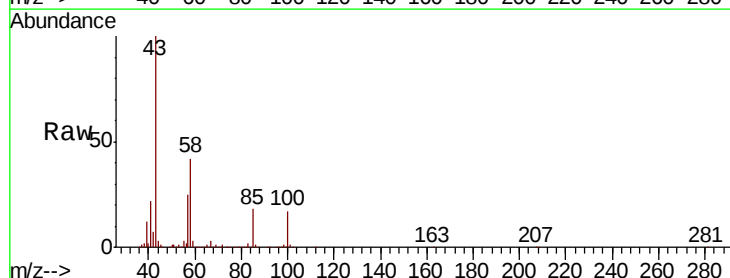
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

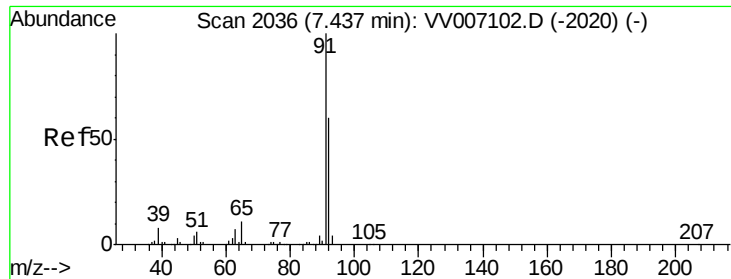
Tgt Ion: 75 Resp: 148327
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 55.448 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion: 43 Resp: 716533
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4
 100 16.0 12.3 18.5





#42

Toluene

Concen: 5.094 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

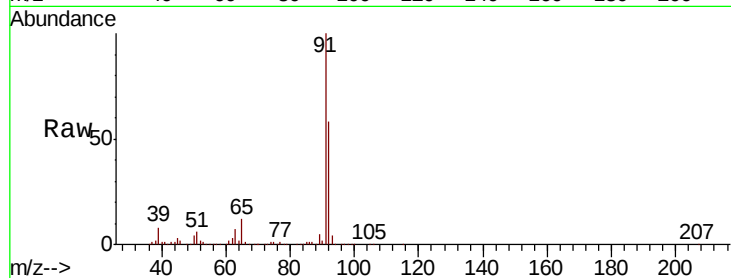
VSTD00574

Tgt Ion: 91 Resp: 479182

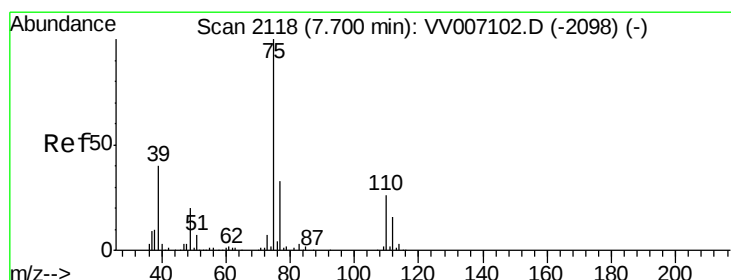
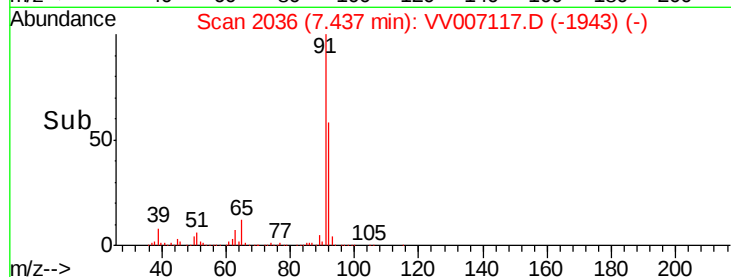
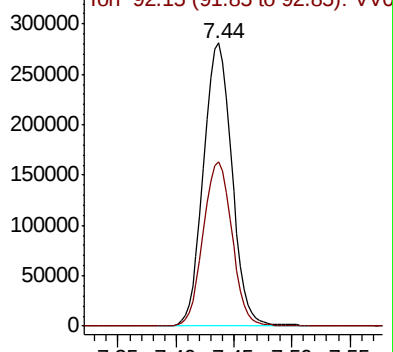
Ion Ratio Lower Upper

91 100

92 58.1 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VV007117.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.893 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007117.D

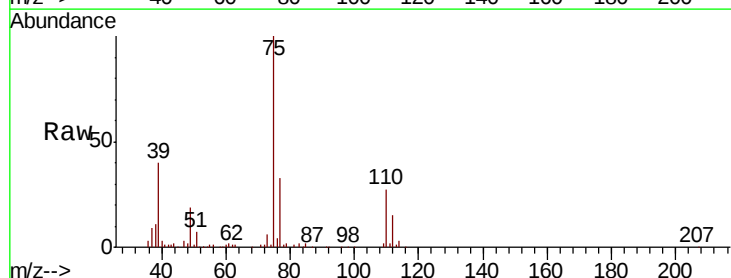
Acq: 21 Aug 2018 22:22

Tgt Ion: 75 Resp: 127543

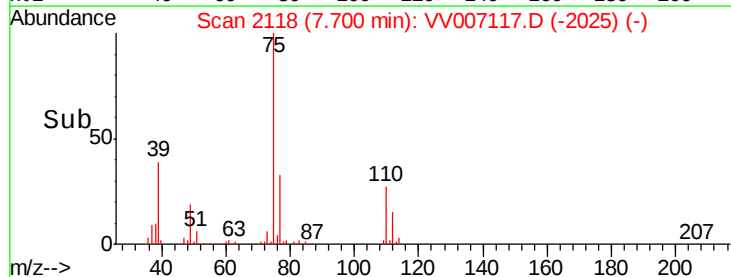
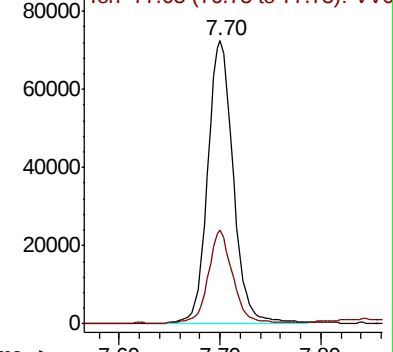
Ion Ratio Lower Upper

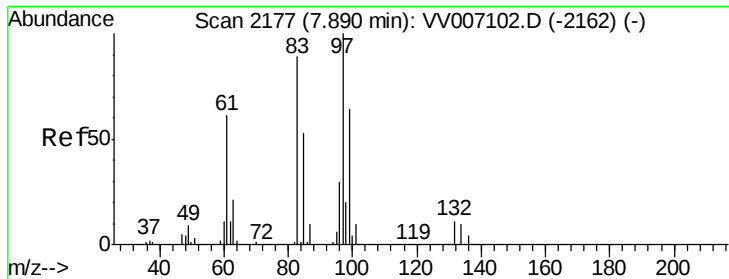
75 100

77 33.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV007117.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 5.054 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 97 Resp: 89984

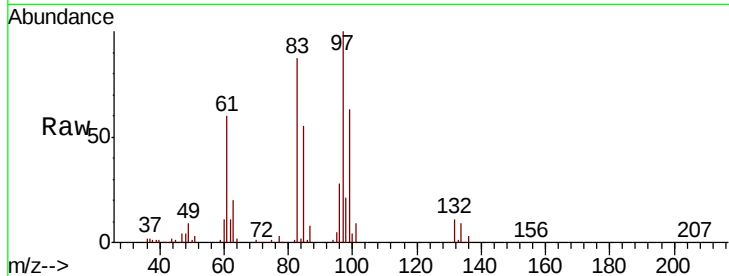
Ion Ratio Lower Upper

97 100

99 63.2 44.9 83.5

83 86.6 62.4 115.8

85 54.9 37.0 68.6



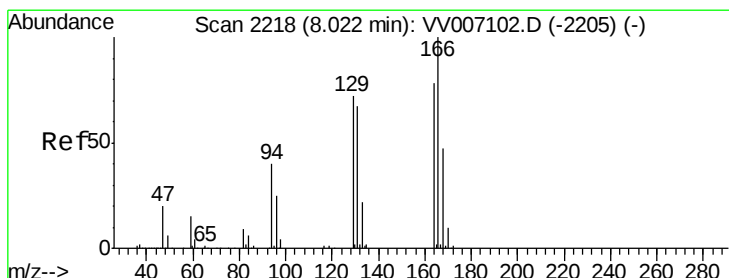
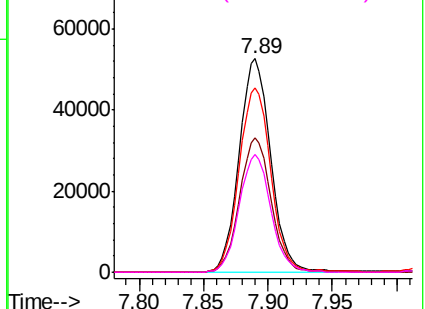
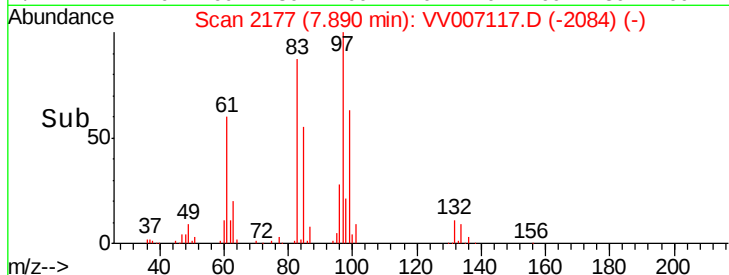
Abundance

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: 4.858 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Tgt Ion: 164 Resp: 95966

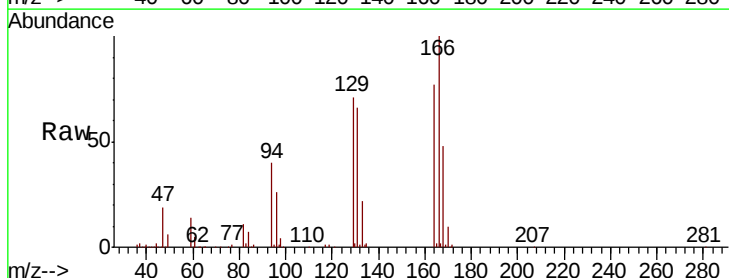
Ion Ratio Lower Upper

164 100

129 91.8 64.8 120.3

131 85.6 60.1 111.5

166 129.3 89.3 165.9



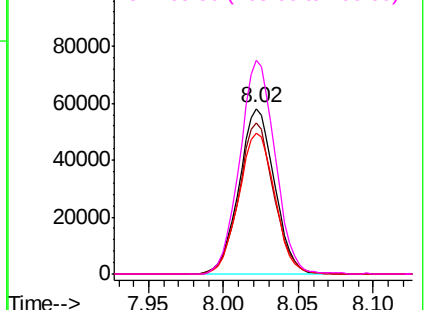
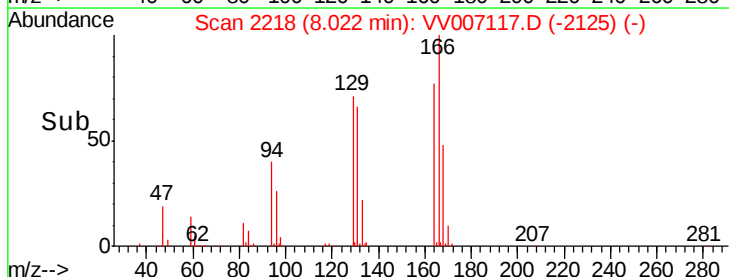
Abundance

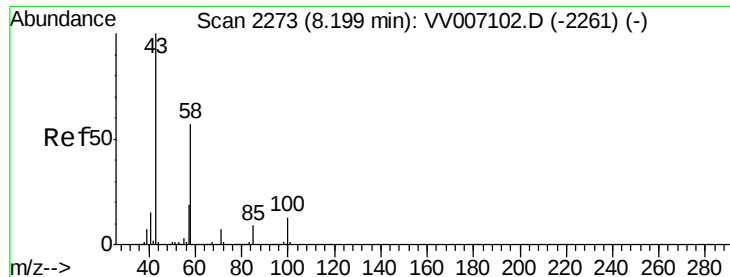
Ion 163.90 (163.60 to 164.60): V

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

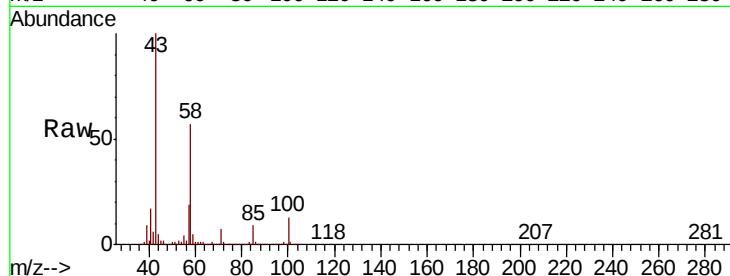




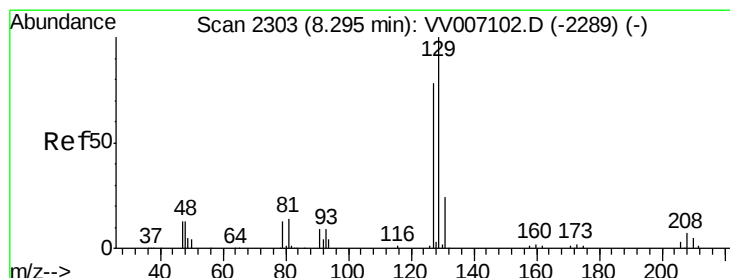
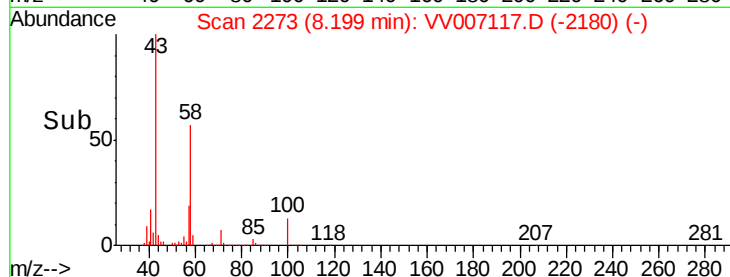
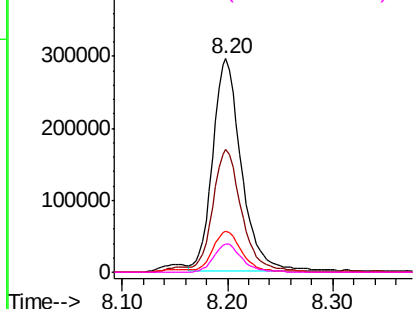
#48
2-Hexanone
Concen: 57.375 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion: 43 Resp: 557427
Ion Ratio Lower Upper
43 100
58 61.1 47.7 71.5
57 18.9 15.4 23.0
100 12.8 9.7 14.5

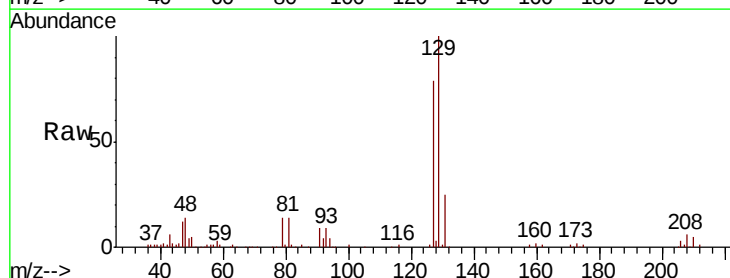


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

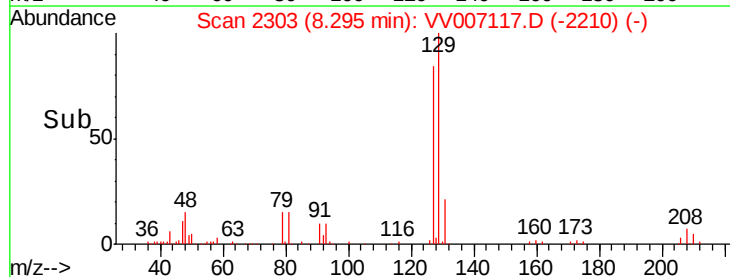
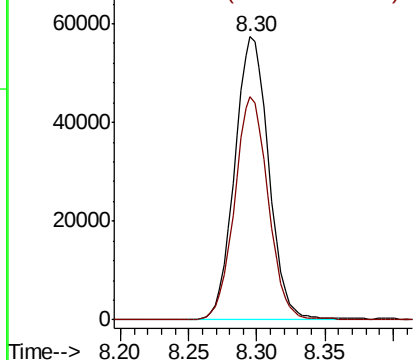


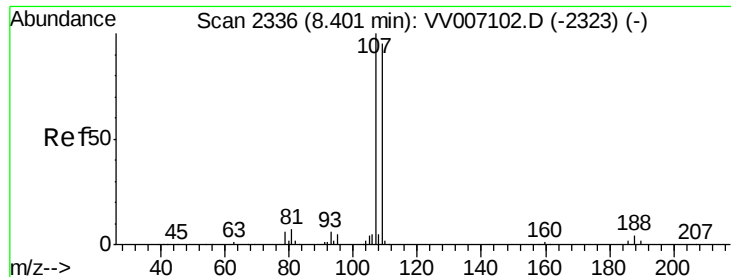
#49
Dibromochloromethane
Concen: 5.069 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007117.D
Acq: 21 Aug 2018 22:22

Tgt Ion: 129 Resp: 99385
Ion Ratio Lower Upper
129 100
127 78.9 54.8 101.8



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





#50

1,2-Dibromoethane

Concen: 5.258 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

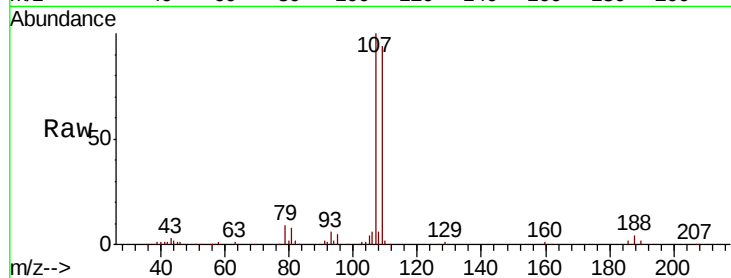
Tgt Ion:107 Resp: 78458

Ion Ratio Lower Upper

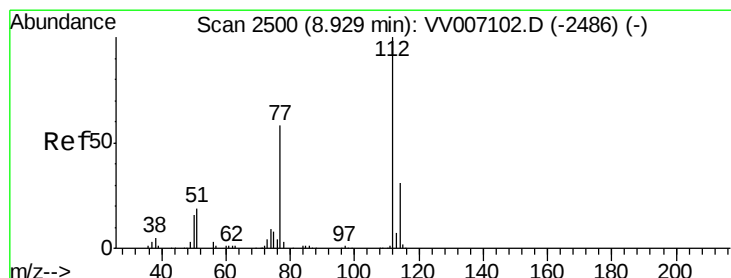
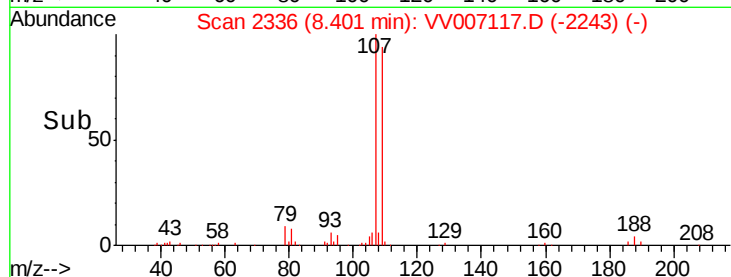
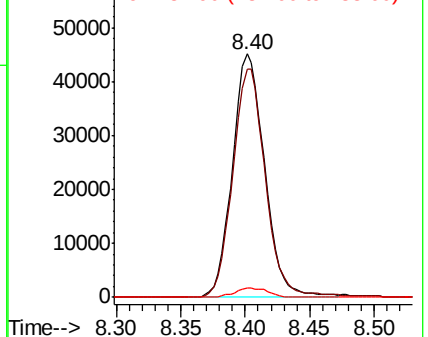
107 100

109 93.5 66.8 124.2

188 3.8 2.9 4.3



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: 4.852 ug/L

RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

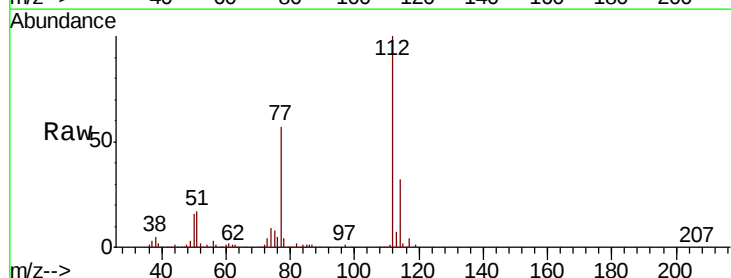
Tgt Ion:112 Resp: 300748

Ion Ratio Lower Upper

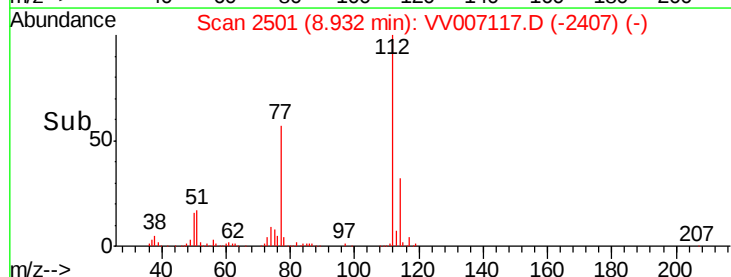
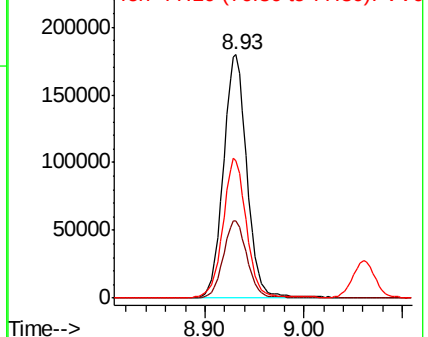
112 100

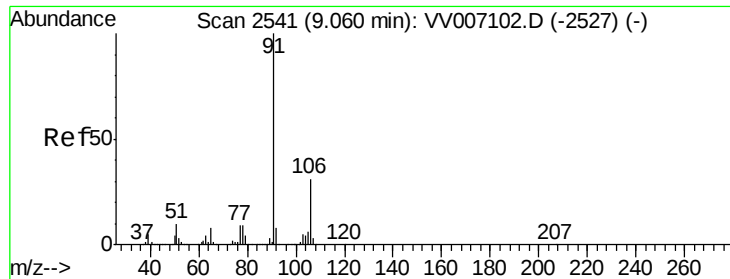
114 31.7 21.9 40.7

77 56.6 46.9 70.3



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): V





#52

Ethylbenzene

Concen: 4.793 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

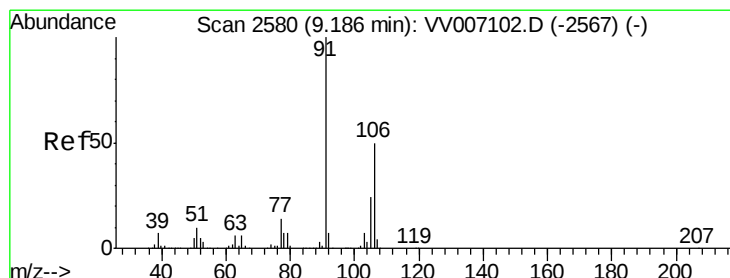
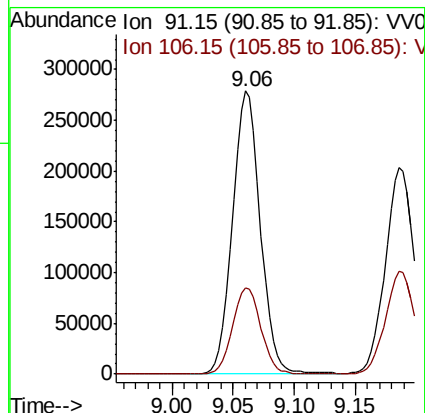
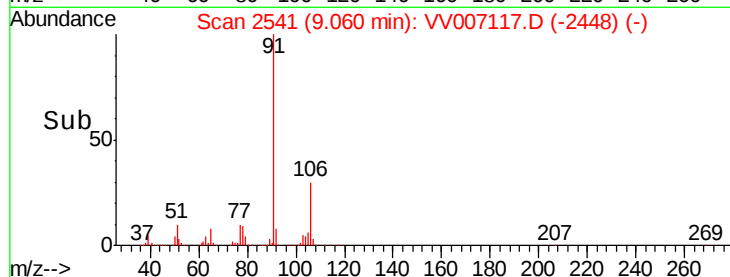
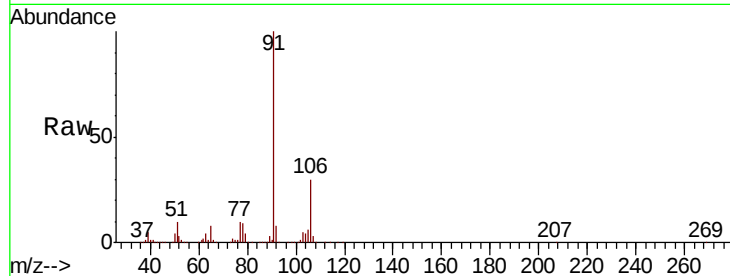
VSTD00574

Tgt Ion: 91 Resp: 444081

Ion Ratio Lower Upper

91 100

106 30.5 21.7 40.3



#53

m,p-xylene

Concen: 4.902 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007117.D

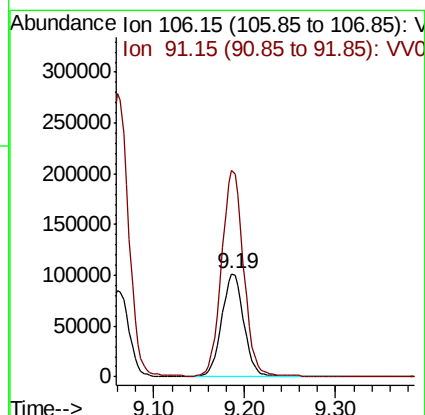
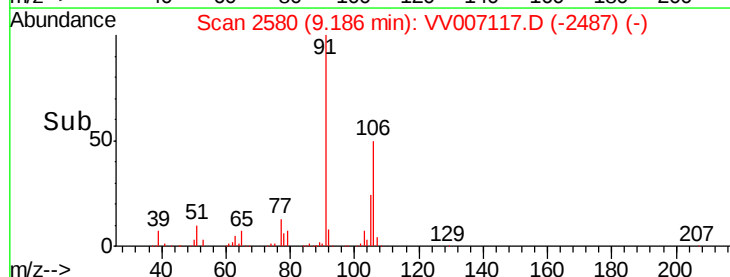
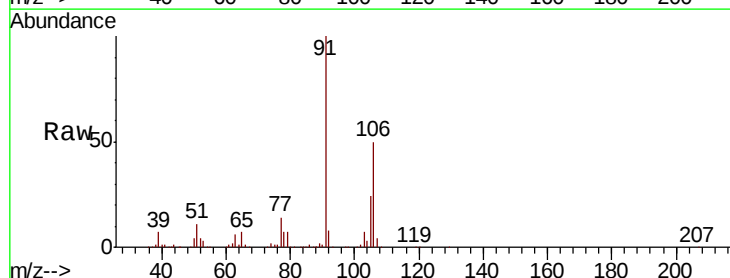
Acq: 21 Aug 2018 22:22

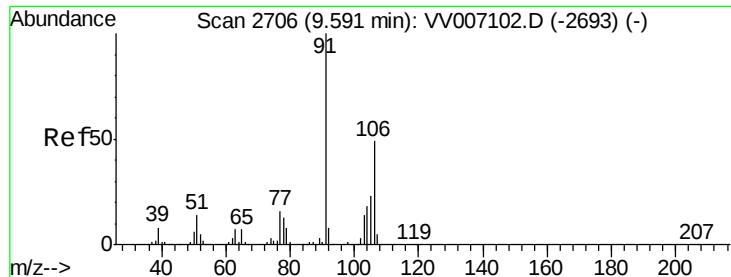
Tgt Ion: 106 Resp: 172033

Ion Ratio Lower Upper

106 100

91 200.8 141.5 262.7





#54

o-xylene

Concen: 4.843 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

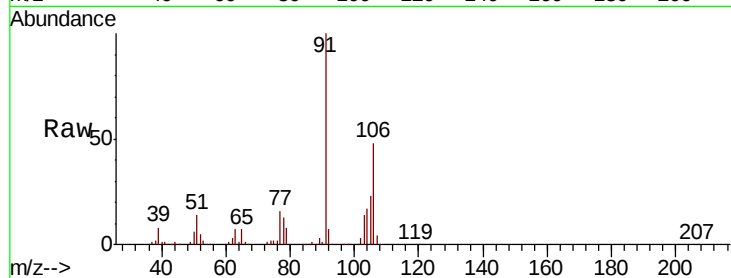
VSTD00574

Tgt Ion:106 Resp: 162095

Ion Ratio Lower Upper

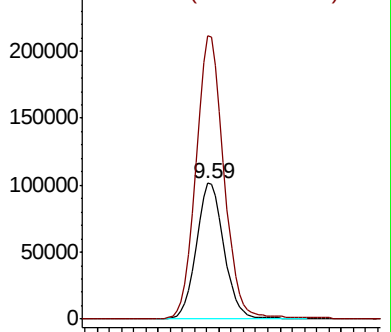
106 100

91 208.7 144.2 267.8

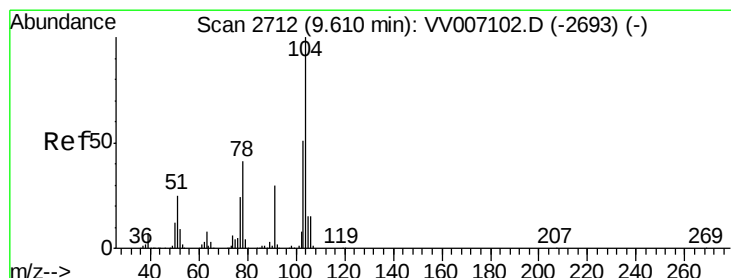
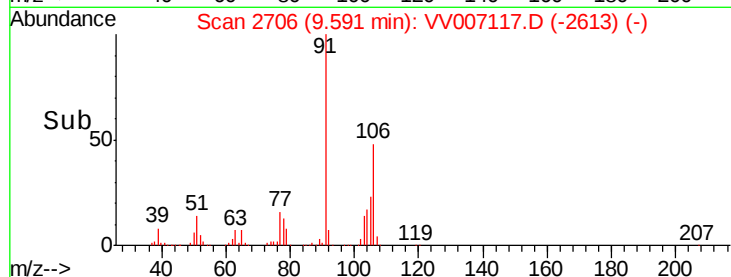


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 4.998 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007117.D

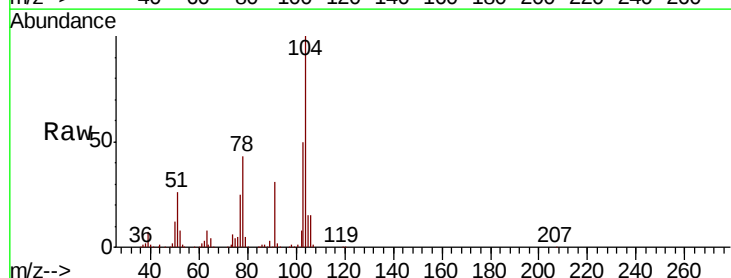
Acq: 21 Aug 2018 22:22

Tgt Ion:104 Resp: 285144

Ion Ratio Lower Upper

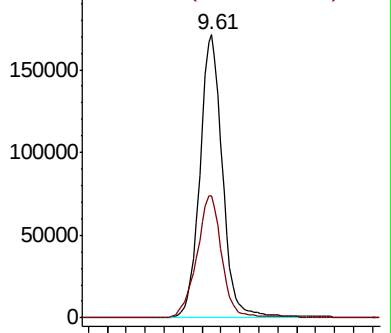
104 100

78 43.2 28.9 53.7

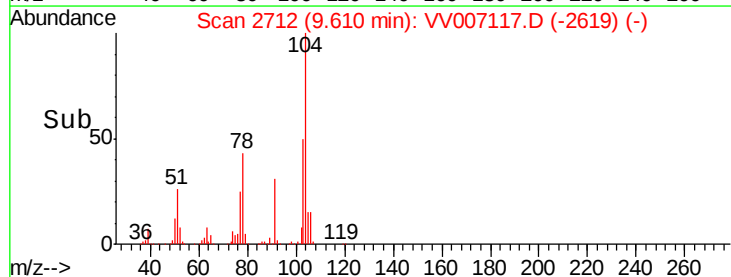


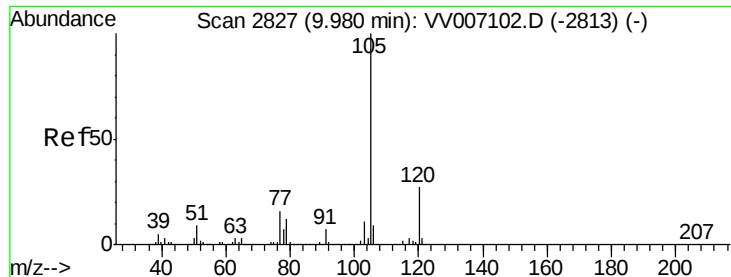
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 4.871 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

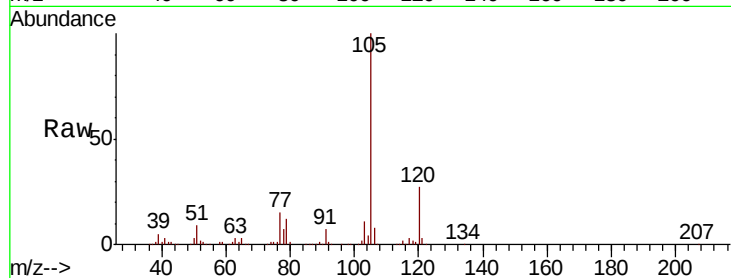
Tgt Ion: 105 Resp: 423294

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

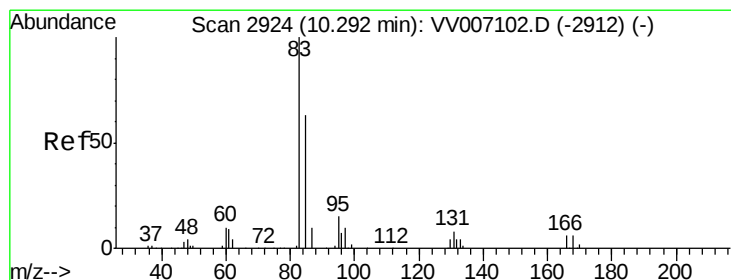
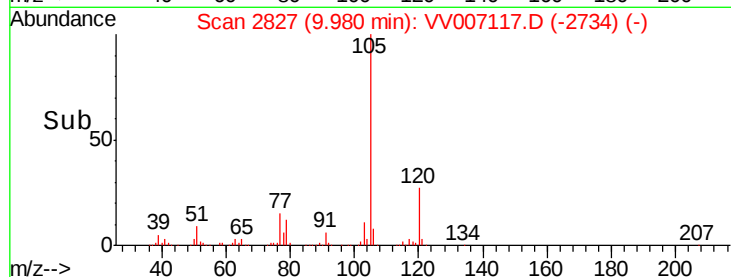
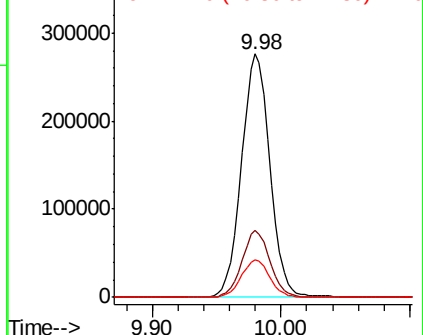
77 15.6 12.6 18.8



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: 5.186 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

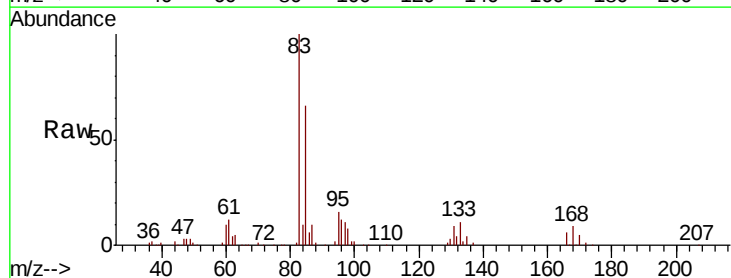
Tgt Ion: 83 Resp: 108981

Ion Ratio Lower Upper

83 100

85 65.9 44.4 82.5

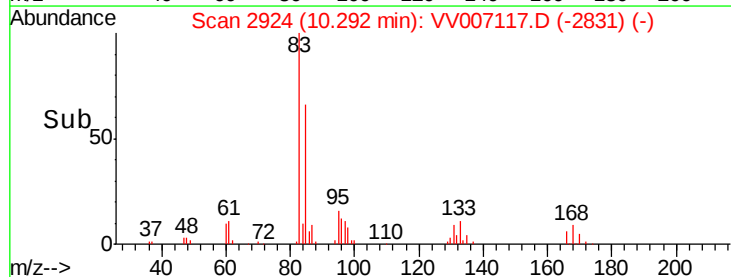
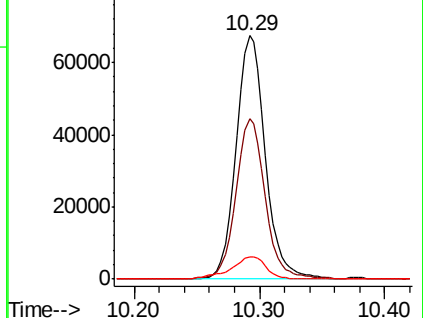
131 9.1 7.3 10.9

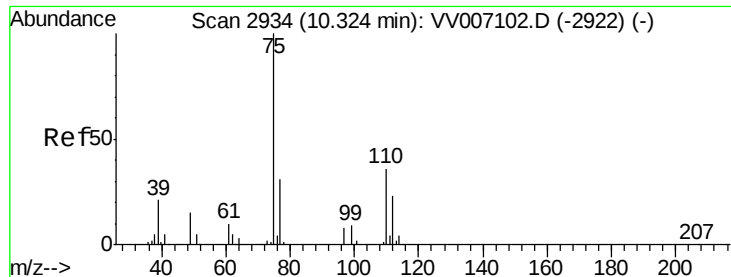


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.132 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampled :

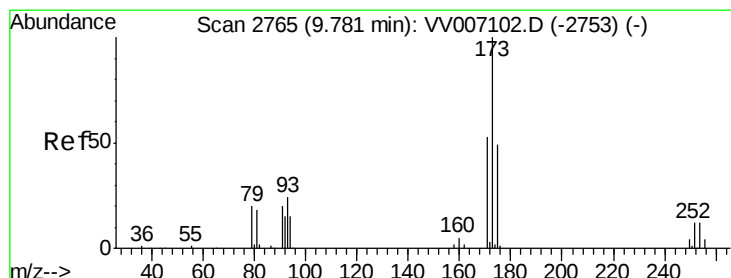
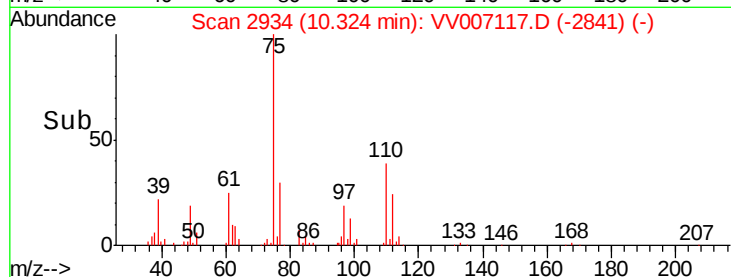
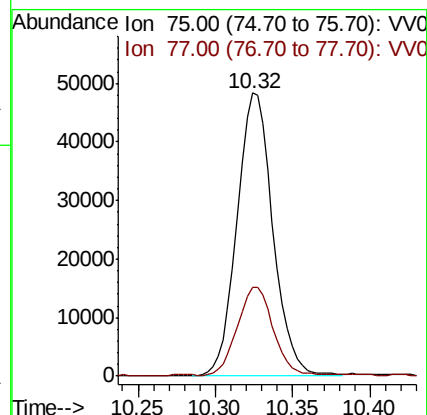
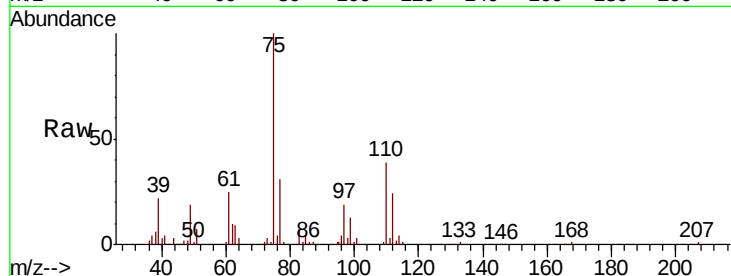
VSTD00574

Tgt Ion: 75 Resp: 77901

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4



#61

Bromoform

Concen: 4.969 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

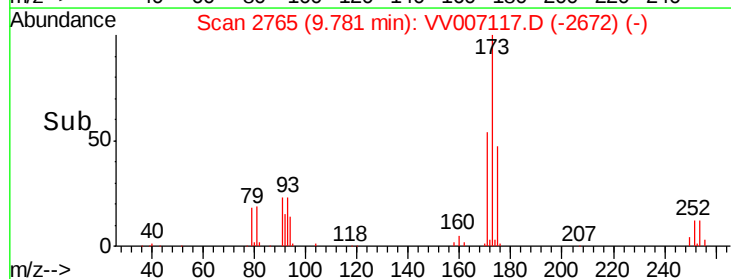
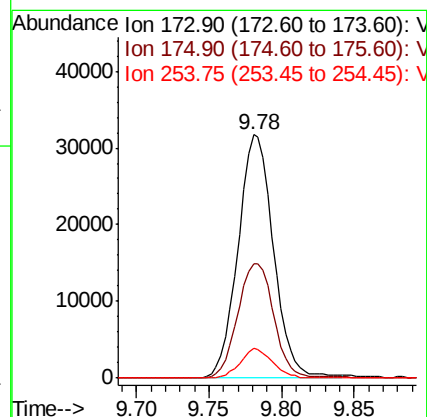
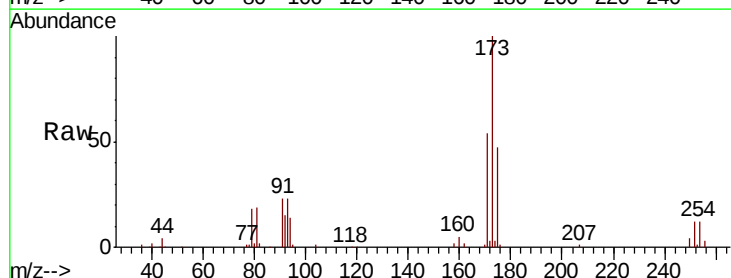
Tgt Ion: 173 Resp: 53904

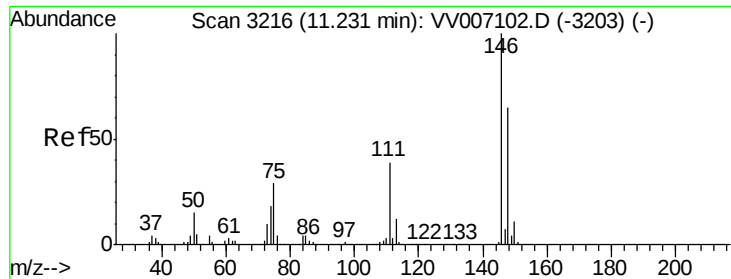
Ion Ratio Lower Upper

173 100

175 47.6 38.9 58.3

254 10.9 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.760 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

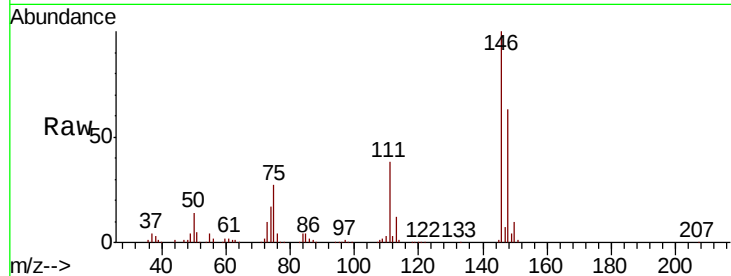
Tgt Ion:146 Resp: 208351

Ion Ratio Lower Upper

146 100

111 37.6 27.4 50.8

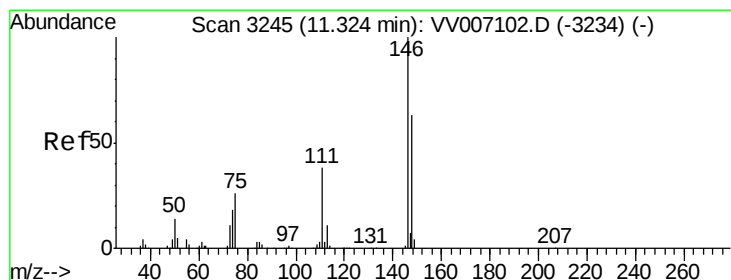
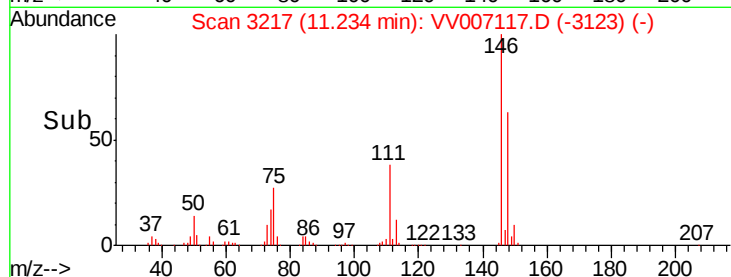
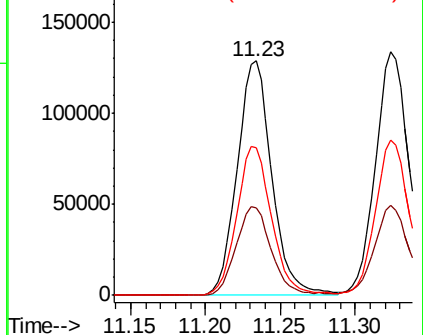
148 62.9 45.3 84.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.693 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

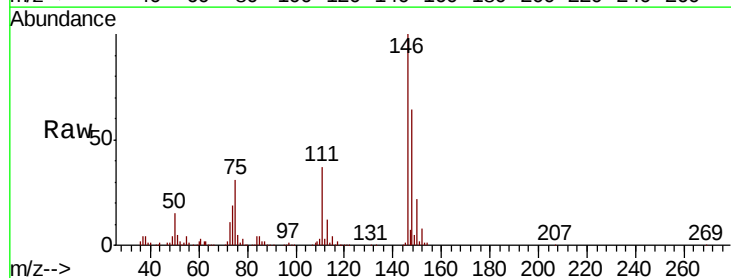
Tgt Ion:146 Resp: 215379

Ion Ratio Lower Upper

146 100

111 36.8 26.7 49.7

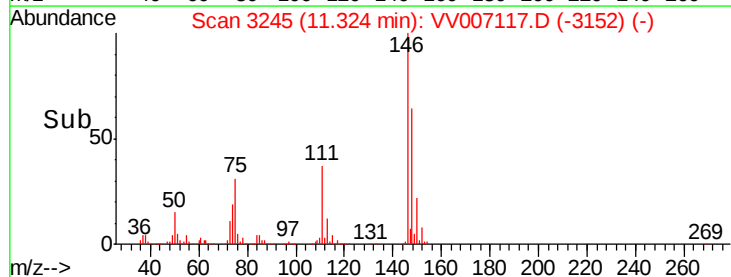
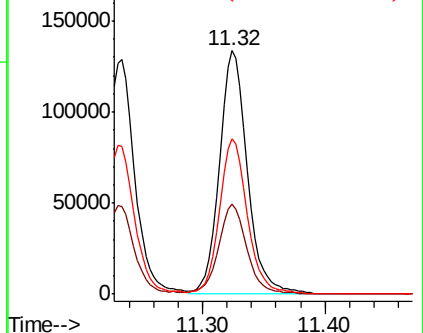
148 63.6 44.4 82.4

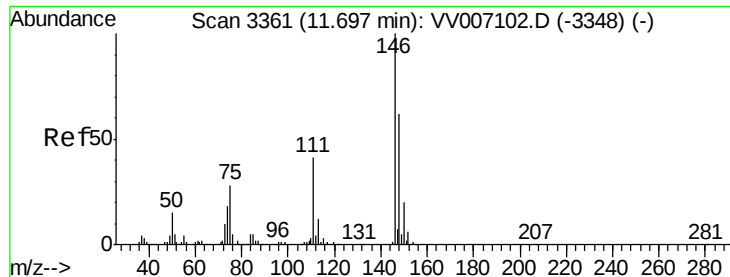


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.875 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

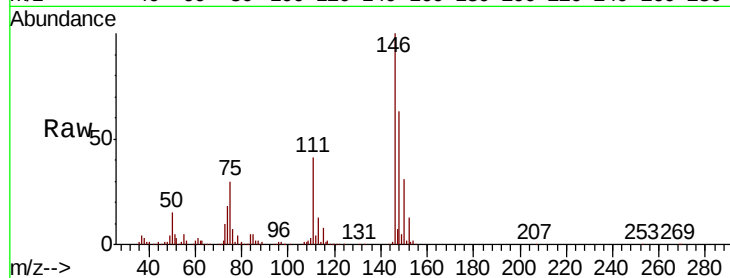
Tgt Ion:146 Resp: 214593

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

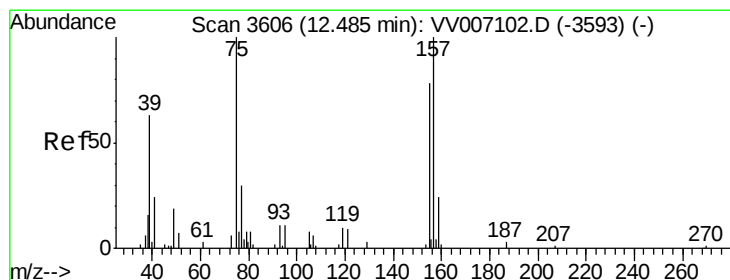
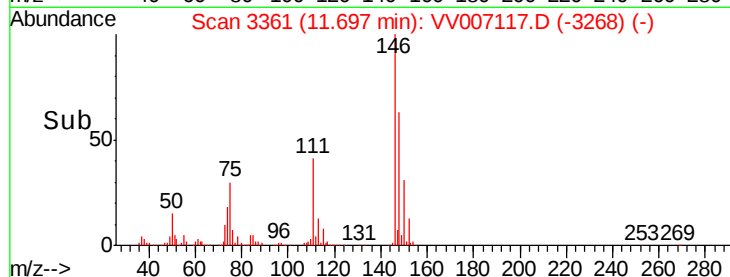
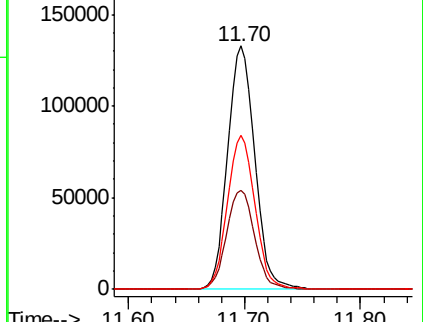
148 63.0 49.8 74.6



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: 5.184 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

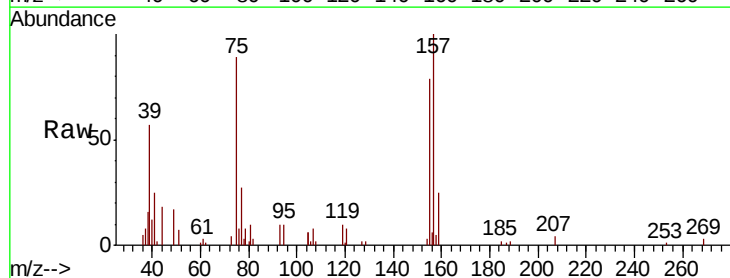
Tgt Ion: 75 Resp: 13152

Ion Ratio Lower Upper

75 100

155 88.9 62.7 94.1

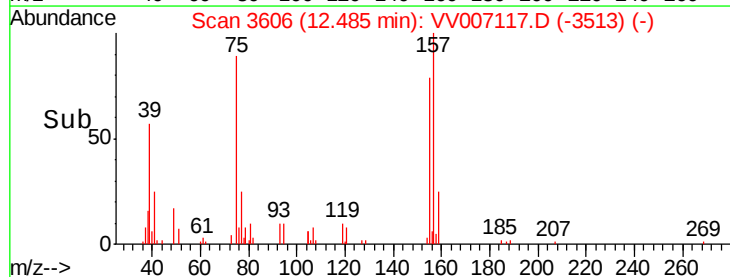
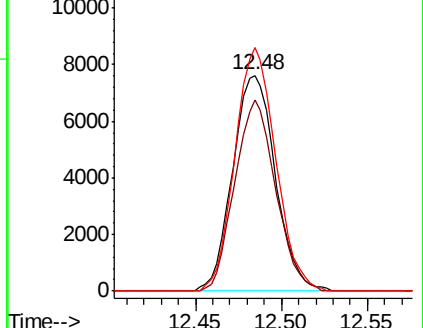
157 113.0 79.7 119.5

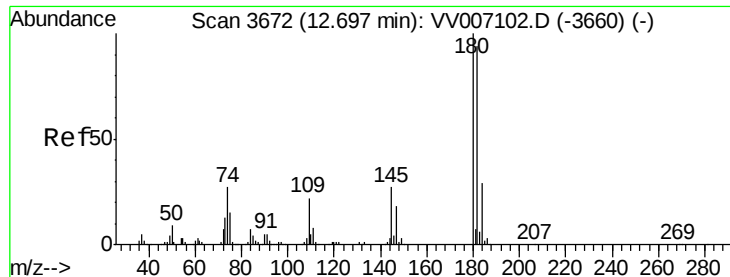


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

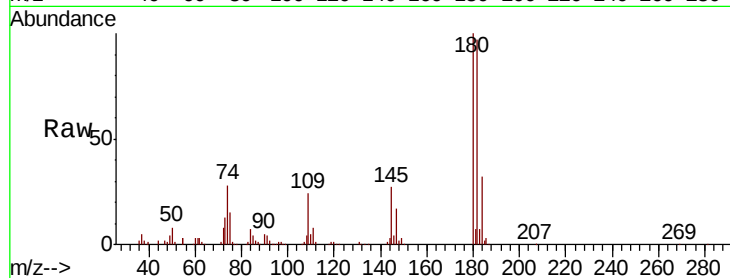




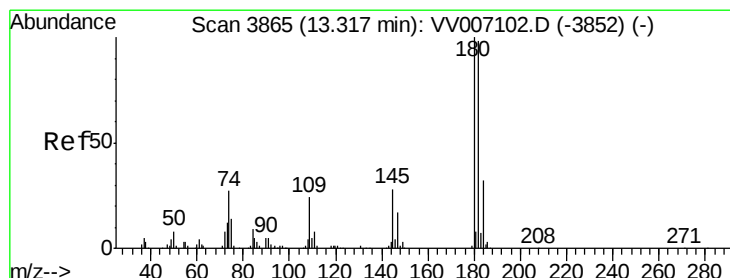
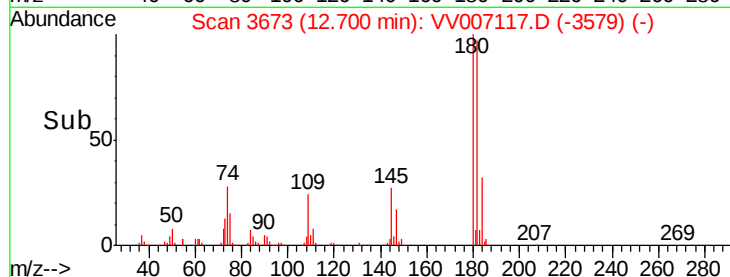
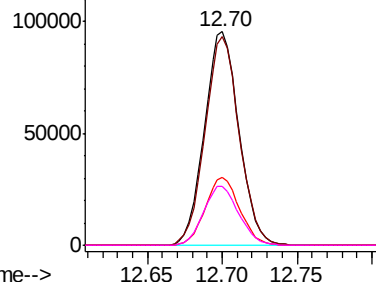
#67
 1,3,5-Trichlorobenzene
 Concen: 4.673 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion:	180	Resp:	153532
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	115.0
184	31.5	24.4	36.6
145	28.0	22.2	33.2

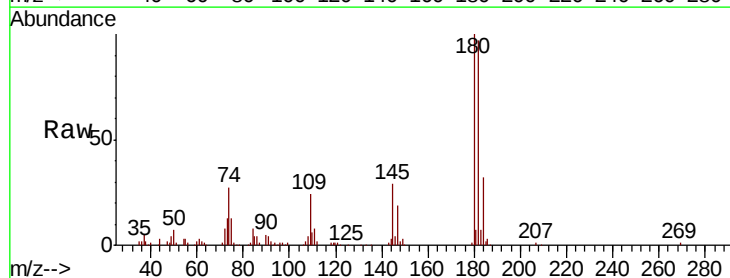


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

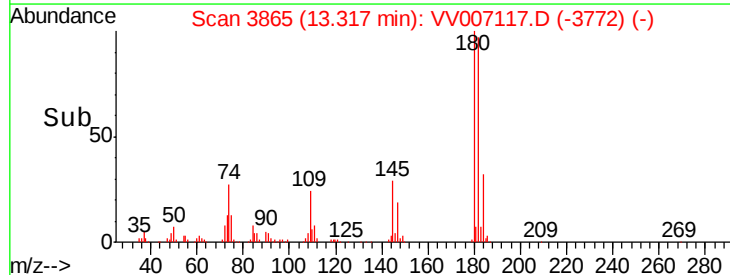
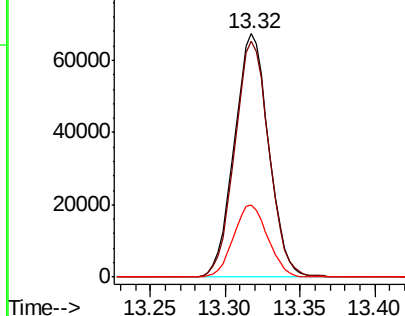


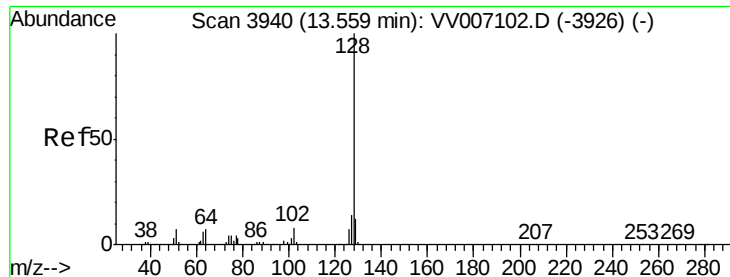
#68
 1,2,4-trichlorobenzene
 Concen: 4.910 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007117.D
 Acq: 21 Aug 2018 22:22

Tgt Ion:	180	Resp:	107893
Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.4	117.6
145	29.5	22.9	34.3



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: 4.731 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

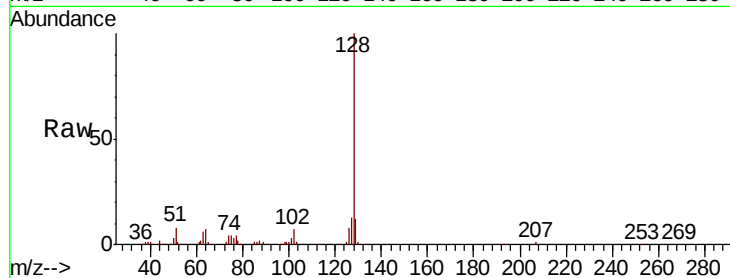
Tgt Ion:128 Resp: 137846

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

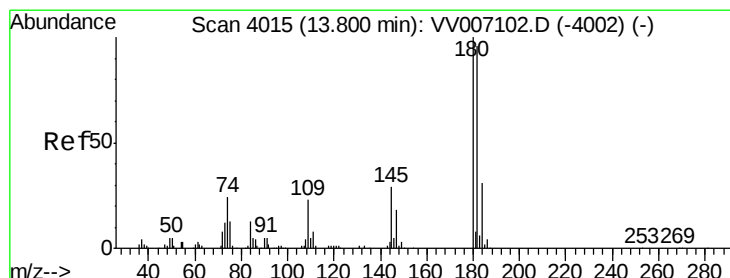
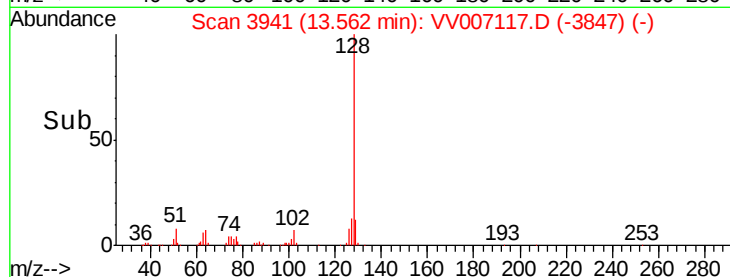
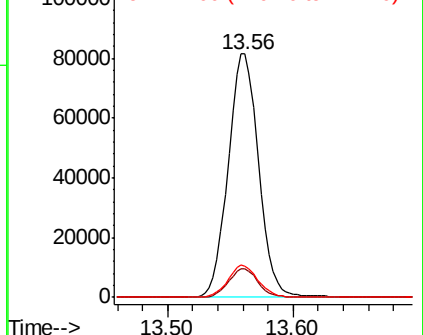
127 13.1 10.8 16.2



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: 5.012 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007117.D

Acq: 21 Aug 2018 22:22

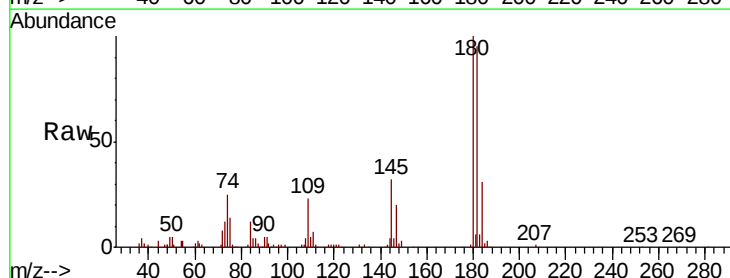
Tgt Ion:180 Resp: 107622

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 30.3 23.8 35.8



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

