

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
 Data File : VV007097.D
 Acq On : 21 Aug 2018 03:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Quant Time: Aug 21 05:51:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 21 05:25:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	249021	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246498	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	113337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75629	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	70530	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.13	63	156407	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	3.97	46	280141	60.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.20%
24) Chloroform-d	4.40	84	188722	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.09	65	94175	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.40%
32) Benzene-d6	5.10	84	350635	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	6.12	67	119758	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.36	98	316996	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
43) trans-1,3-Dichloropropene-	7.67	79	37715	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.15	63	143528	46.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	97155	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	108522	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	115033	4.743	ug/L	99
3) Chloromethane	1.25	50	122458	5.247	ug/L	97
5) Vinyl chloride	1.32	62	119023	4.935	ug/L	99
6) Bromomethane	1.54	94	35484	6.778	ug/L	97
8) Chloroethane	1.60	64	70811	4.838	ug/L	98
9) Trichlorofluoromethane	1.77	101	158693	5.170	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96324	5.229	ug/L	98
12) 1,1-Dichloroethene	2.14	96	93743	5.242	ug/L	96
13) Acetone	2.21	43	145002	60.918	ug/L	100
14) Carbon disulfide	2.32	76	263855	4.470	ug/L	100
15) Methyl Acetate	2.47	43	36617	5.466	ug/L	98
16) Methylene chloride	2.54	84	101180	4.693	ug/L	98
17) Methyl tert-butyl Ether	2.82	73	235326	5.488	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	98811	5.161	ug/L	98
19) 1,1-Dichloroethane	3.23	63	184584	5.340	ug/L	99
21) 2-Butanone	4.06	43	298269	57.714	ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	110397	5.081	ug/L	93

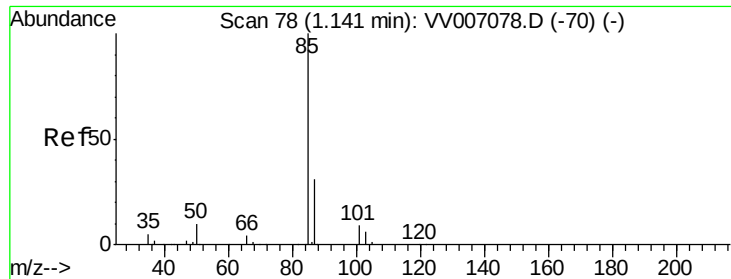
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	50249	5.674	ug/L	88
25) Chloroform	4.43	83	200908	5.312	ug/L	99
27) 1,2-Dichloroethane	5.19	62	122872	5.209	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	171669	5.223	ug/L	99
30) Cyclohexane	4.73	56	150201	4.390	ug/L	97
31) Carbon tetrachloride	4.88	117	141264	5.125	ug/L	98
33) Benzene	5.15	78	434995	5.094	ug/L	100
34) Trichloroethene	5.96	95	104674	5.112	ug/L	97
35) Methylcyclohexane	6.18	83	151081	4.596	ug/L	98
37) 1,2-Dichloropropane	6.23	63	116673	4.991	ug/L	98
38) Bromodichloromethane	6.56	83	138243	5.205	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	130156	4.609	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	660679	52.323	ug/L	96
42) Toluene	7.44	91	441336	5.378	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	111269	4.801	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	82752	5.442	ug/L	97
47) Tetrachloroethene	8.02	164	87383	5.263	ug/L	95
48) 2-Hexanone	8.20	43	525679	59.028	ug/L	94
49) Dibromochloromethane	8.30	129	89457	5.608	ug/L	98
50) 1,2-Dibromoethane	8.40	107	71722	5.583	ug/L #	97
51) Chlorobenzene	8.93	112	272614	5.212	ug/L	99
52) Ethylbenzene	9.06	91	411916	5.027	ug/L	100
53) m,p-xylene	9.19	106	156712	5.130	ug/L	98
54) o-xylene	9.59	106	148090	5.116	ug/L	99
55) Styrene	9.61	104	251335	5.151	ug/L	99
56) Isopropylbenzene	9.98	105	391424	5.155	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	99679	5.393	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	72126	5.512	ug/L	97
61) Bromoform	9.78	173	48903	5.697	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	192377	5.245	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	198829	5.289	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	193493	5.364	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	11793	4.605	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	141387	5.094	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	100001	4.909	ug/L	99
69) Naphthalene	13.56	128	135837	4.643	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	98751	5.029	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.743 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

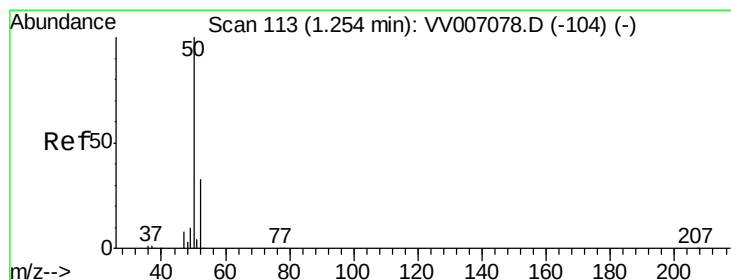
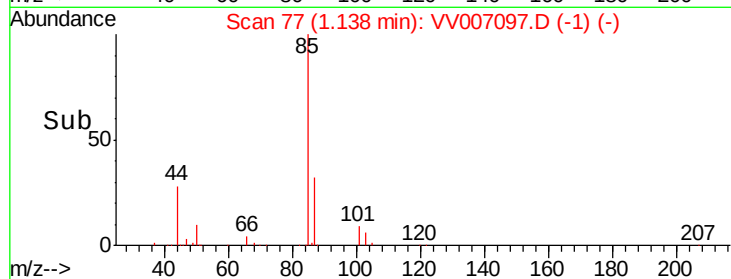
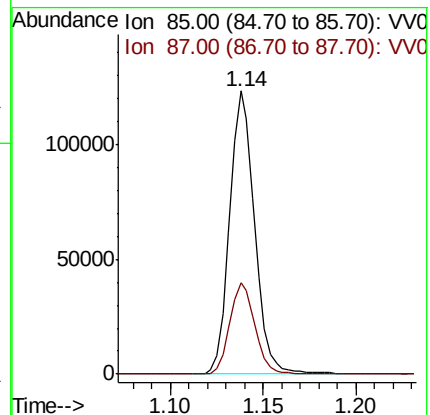
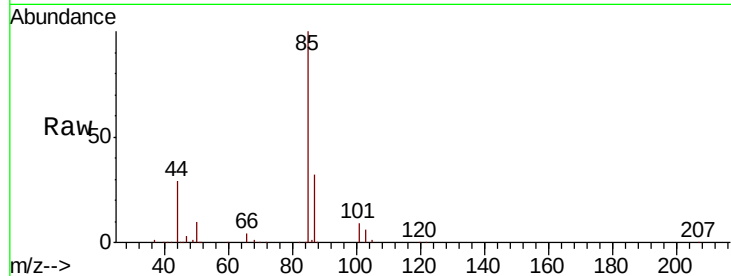
VSTD00567

Tot Ion: 85 Resp: 115033

Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.2



#3

Chloromethane

Concen: 5.247 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007097.D

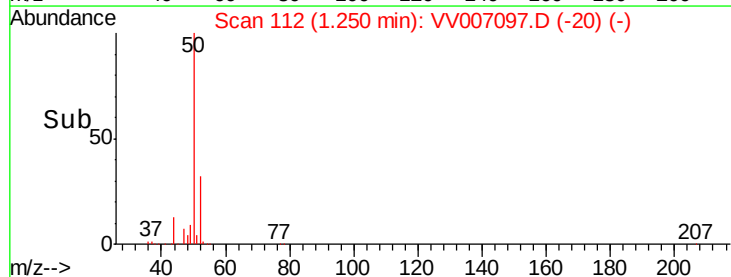
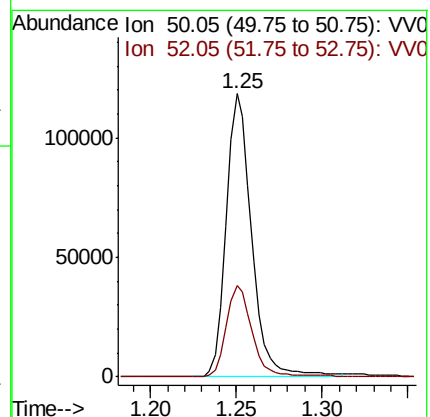
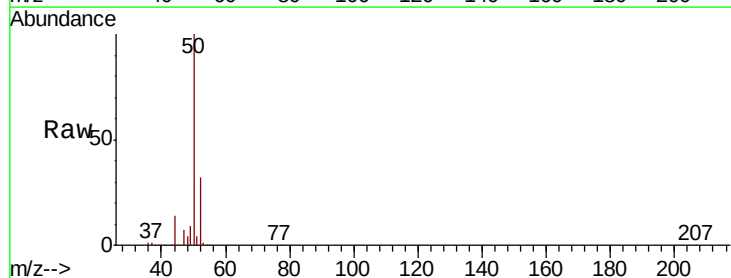
Acq: 21 Aug 2018 03:05

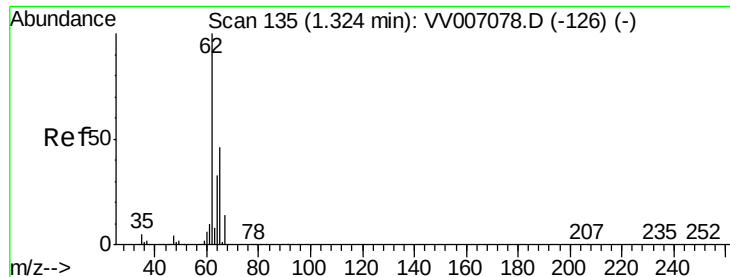
Tgt Ion: 50 Resp: 122458

Ion Ratio Lower Upper

50 100

52 32.1 23.6 43.8





#5

Vinyl chloride

Concen: 4.935 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

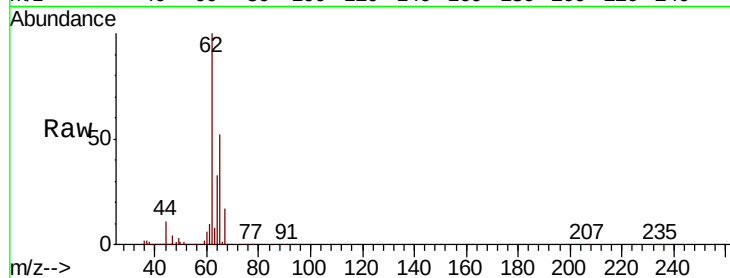
VSTD00567

Tot Ion: 62 Resp: 119023

Ion Ratio Lower Upper

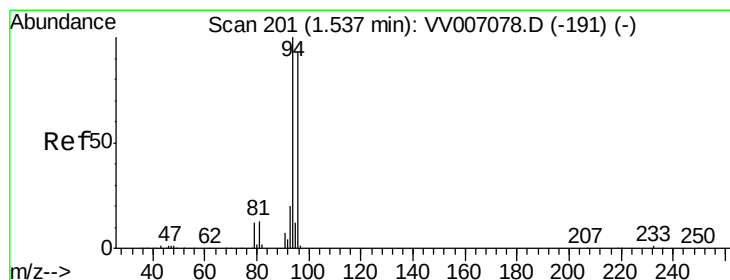
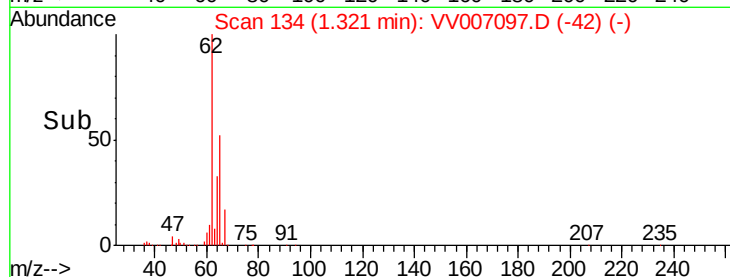
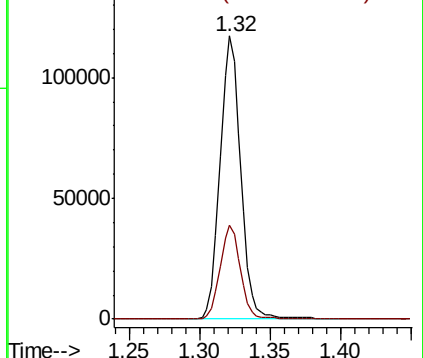
62 100

64 33.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.778 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007097.D

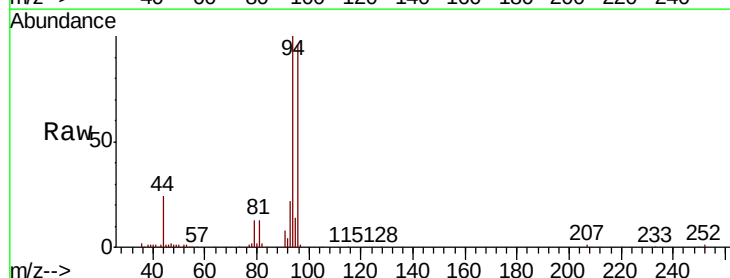
Acq: 21 Aug 2018 03:05

Tgt Ion: 94 Resp: 35484

Ion Ratio Lower Upper

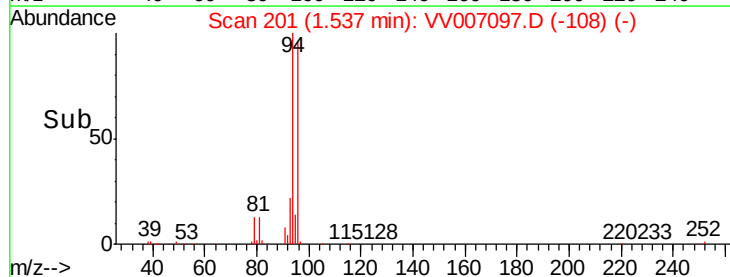
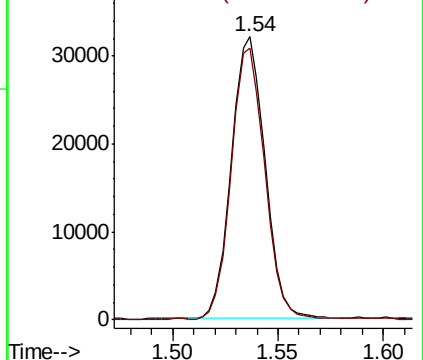
94 100

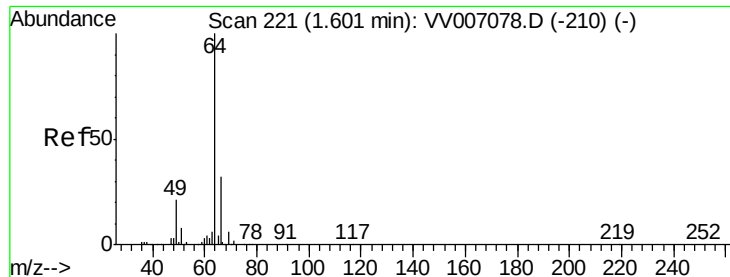
96 96.0 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.838 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

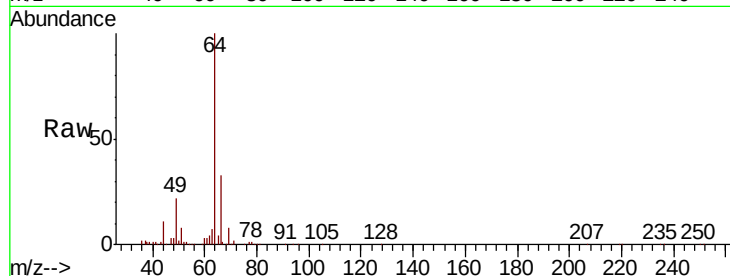
VSTD00567

Tot Ion: 64 Resp: 70811

Ion Ratio Lower Upper

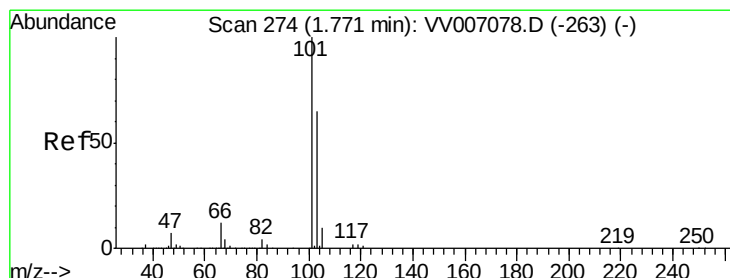
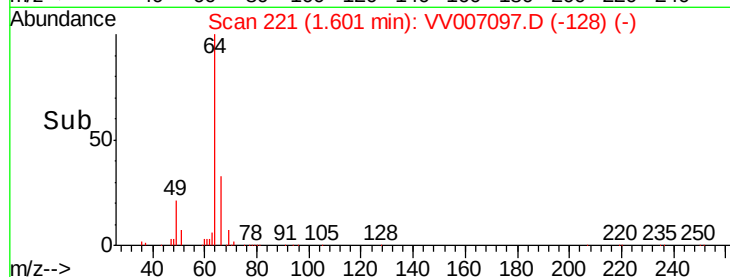
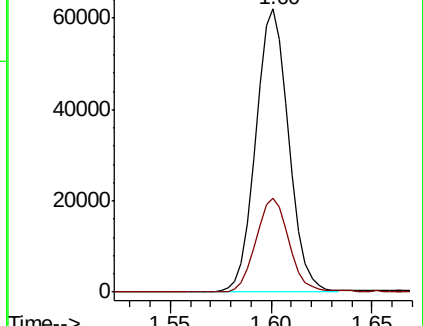
64 100

66 33.4 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV007097.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV007097.D (-210) (-)



#9

Trichlorofluoromethane

Concen: 5.170 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007097.D

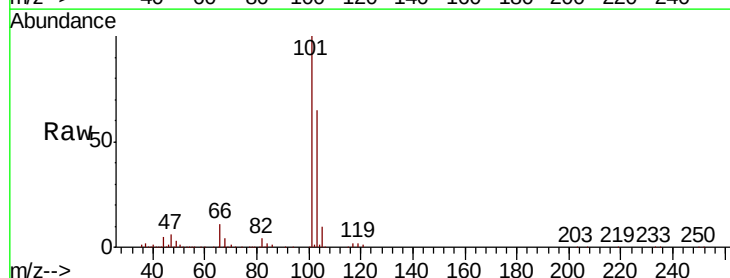
Acq: 21 Aug 2018 03:05

Tgt Ion:101 Resp: 158693

Ion Ratio Lower Upper

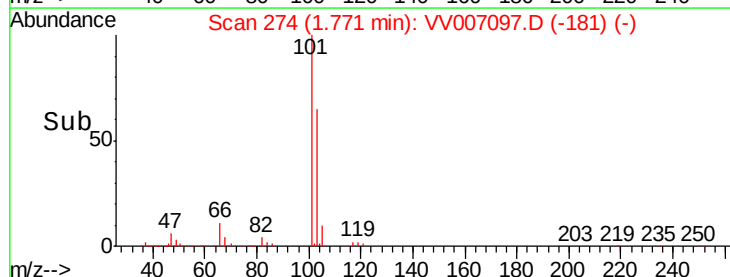
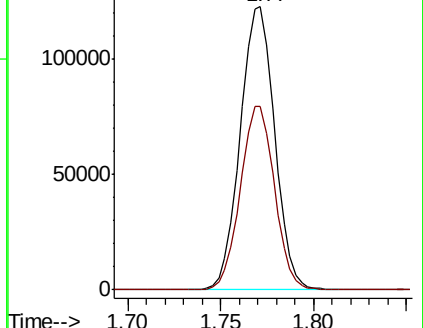
101 100

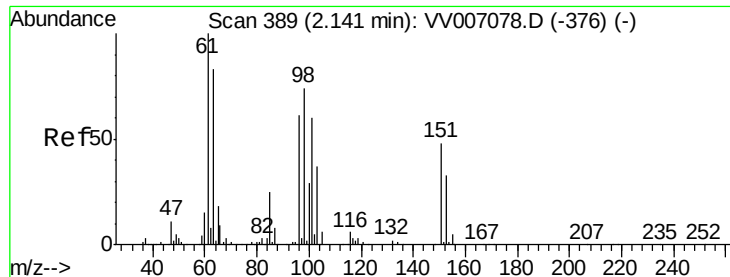
103 64.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV007097.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV007097.D (-263) (-)





#10

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

Concen: 5.229 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

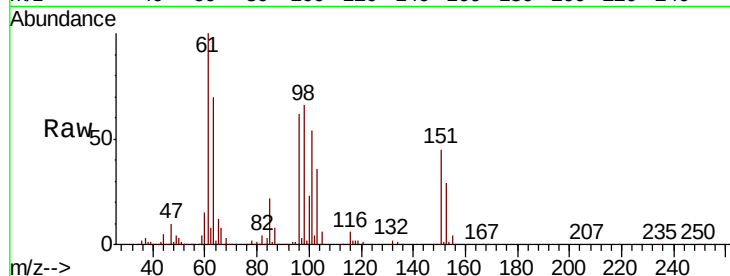
Tot Ion:101 Resp: 96324

Ion Ratio Lower Upper

101 100

85 40.0 33.9 50.9

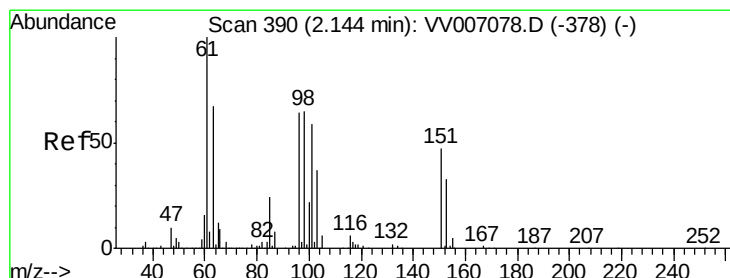
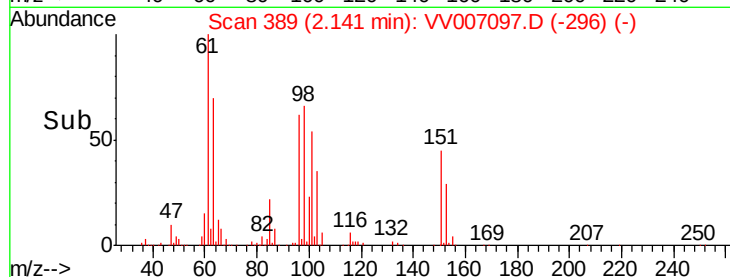
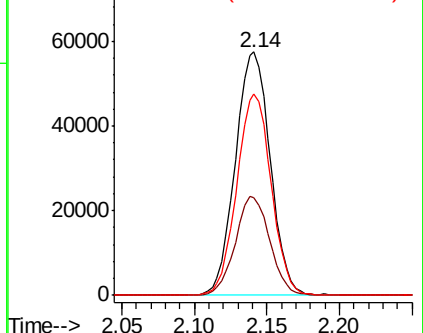
151 81.6 64.1 96.1



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: 5.242 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

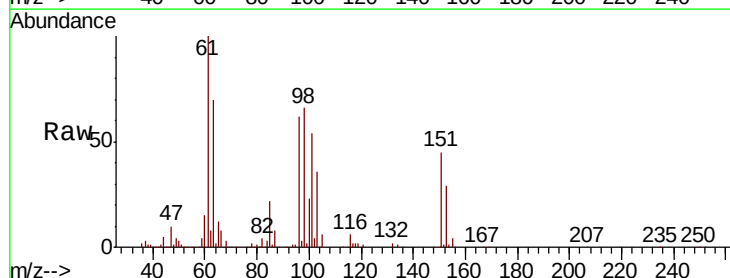
Tgt Ion: 96 Resp: 93743

Ion Ratio Lower Upper

96 100

61 161.0 111.6 207.4

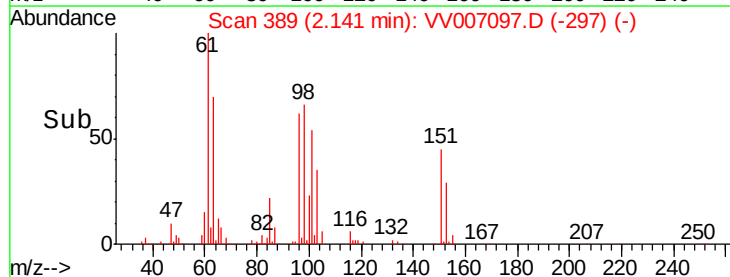
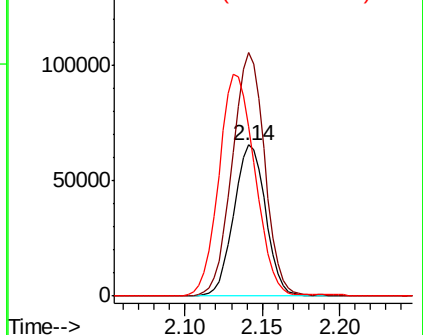
63 112.4 84.9 157.7

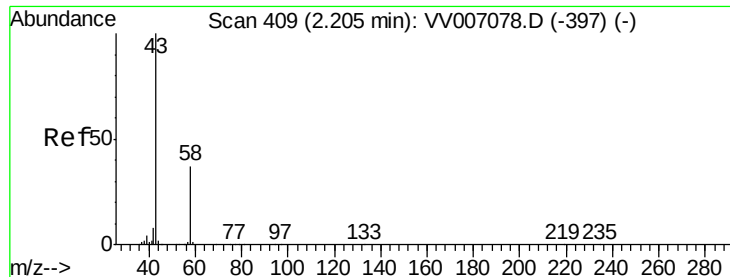


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.918 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.01 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

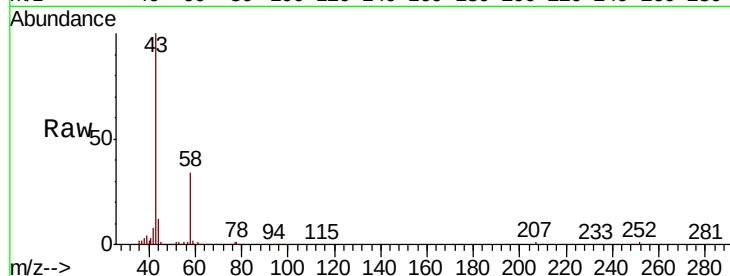
VSTD00567

Tot Ion: 43 Resp: 145002

Ion Ratio Lower Upper

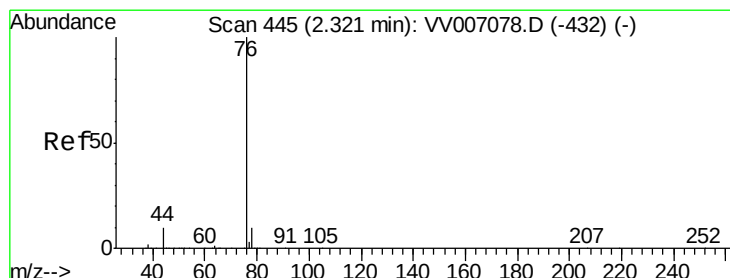
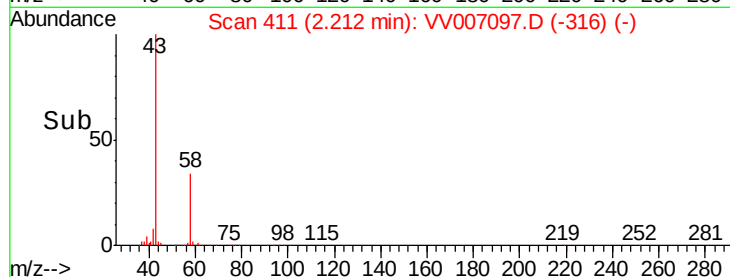
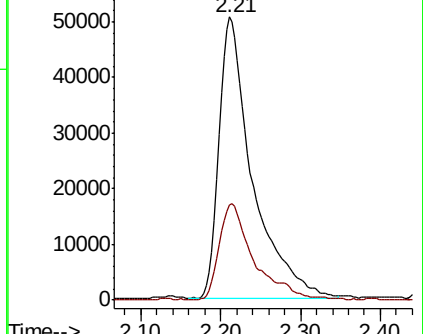
43 100

58 35.9 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.470 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007097.D

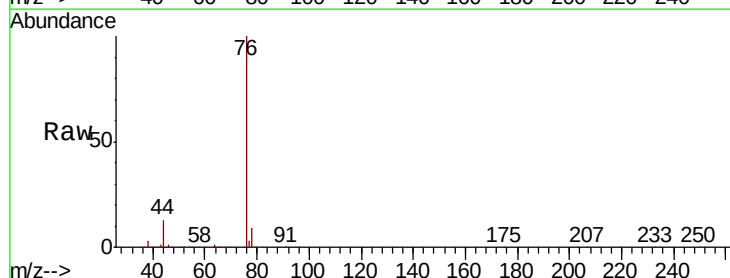
Acq: 21 Aug 2018 03:05

Tgt Ion: 76 Resp: 263855

Ion Ratio Lower Upper

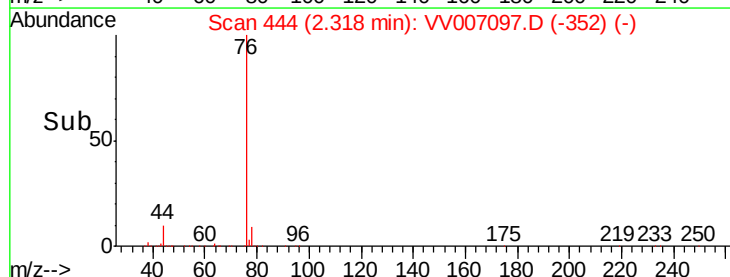
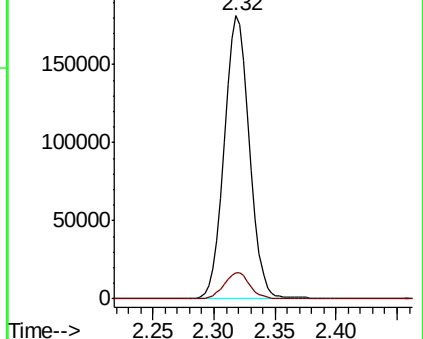
76 100

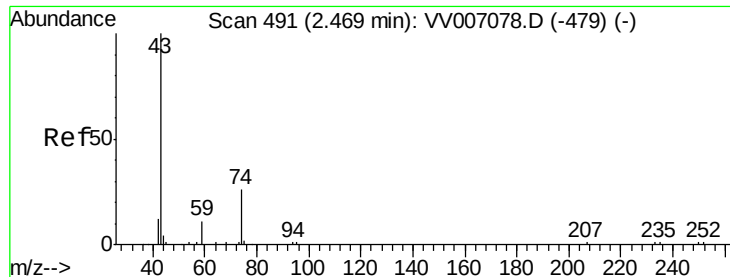
78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

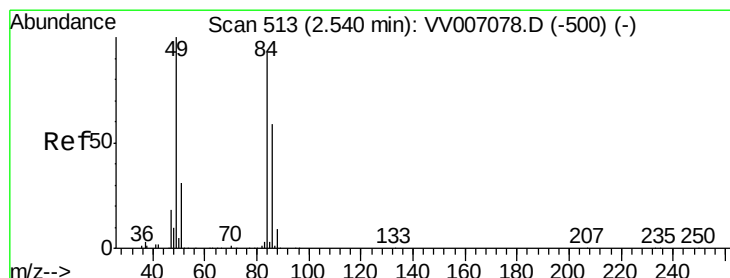
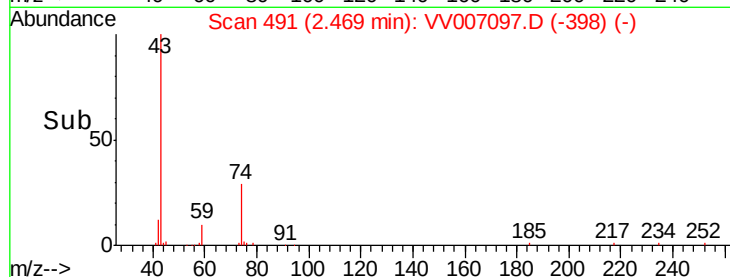
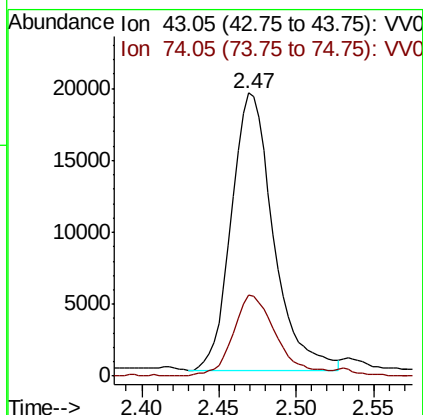
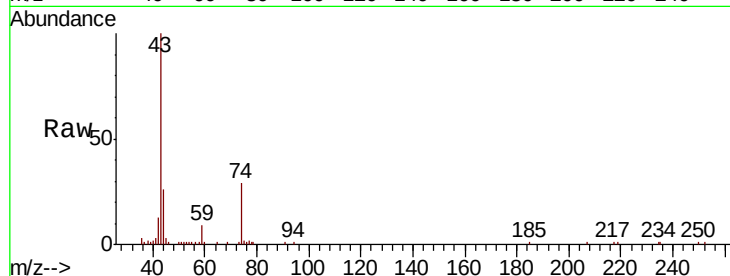




#15
Methvl Acetate
Concen: 5.466 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

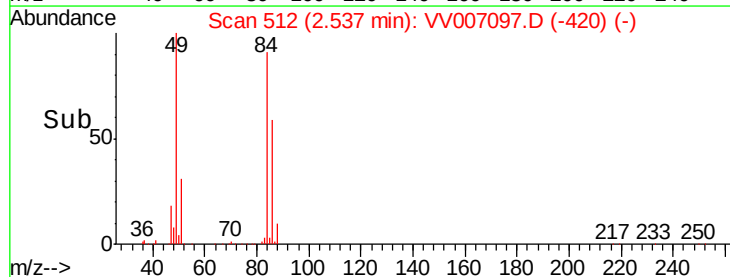
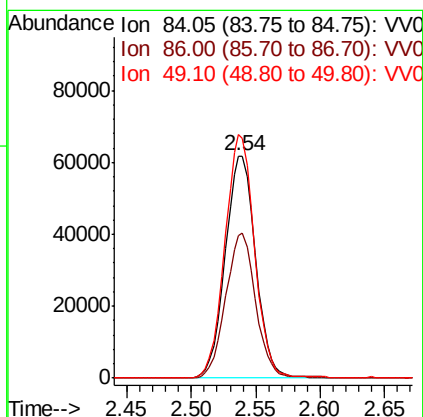
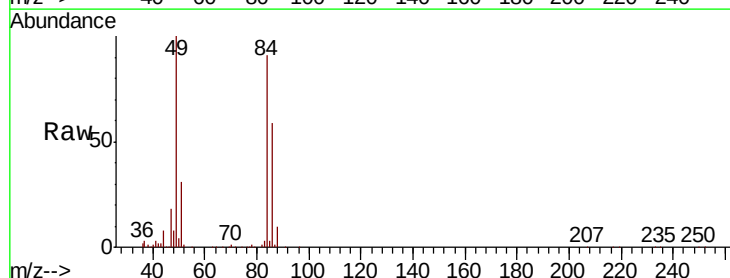
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

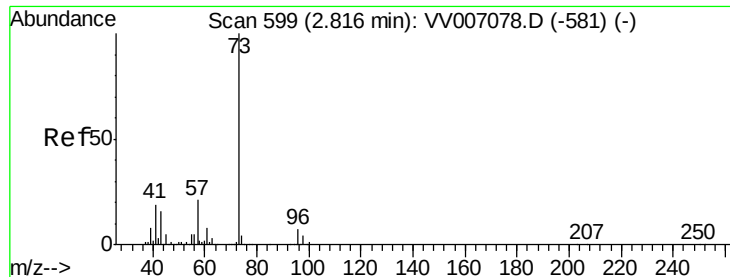
Tot Ion: 43 Resp: 36617
Ion Ratio Lower Upper
43 100
74 29.9 24.6 37.0



#16
Methylene chloride
Concen: 4.693 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Tgt Ion: 84 Resp: 101180
Ion Ratio Lower Upper
84 100
86 64.3 45.7 84.9
49 109.6 78.8 146.4

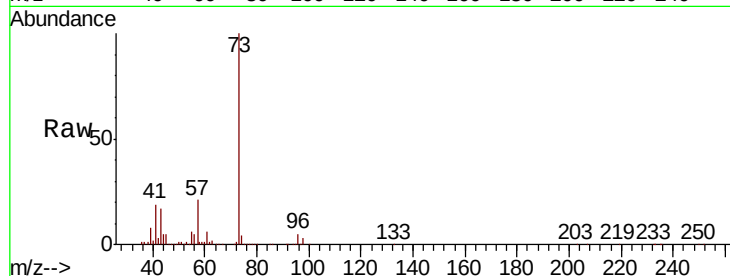




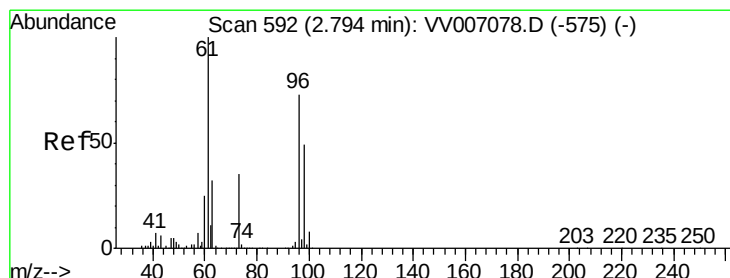
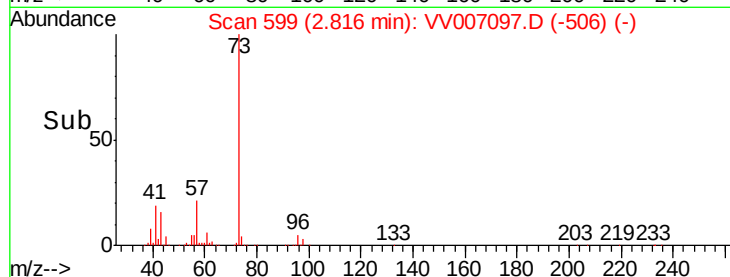
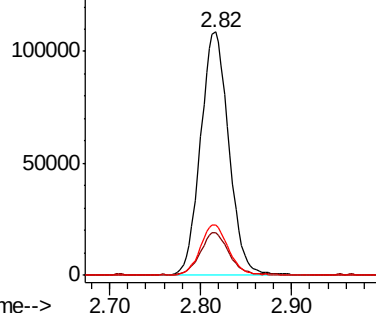
#17
Methyl tert-butyl Ether
Concen: 5.488 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tot Ion:	73	Resp:	235326
Ion	Ratio	Lower	Upper
73	100		
43	16.9	14.4	21.6
57	20.6	17.9	26.9

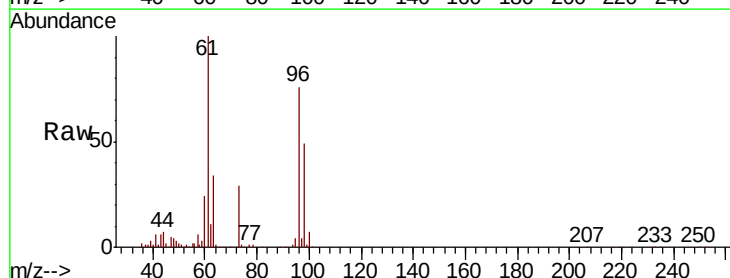


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

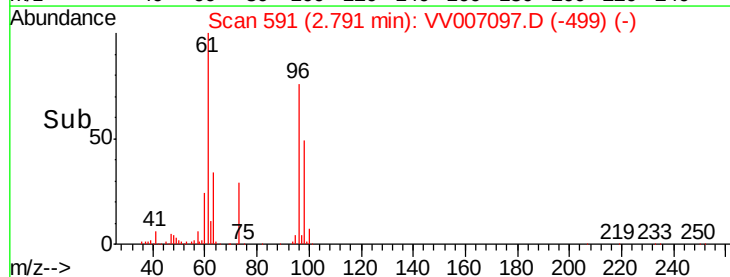
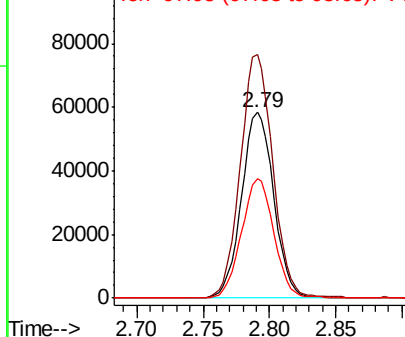


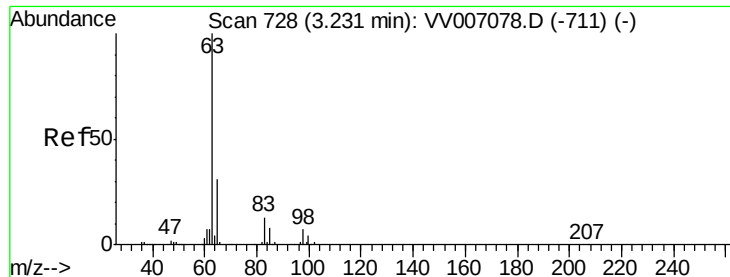
#18
trans-1,2-Dichloroethene
Concen: 5.161 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Tgt Ion:	96	Resp:	98811
Ion	Ratio	Lower	Upper
96	100		
61	131.3	91.1	169.3
98	64.7	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

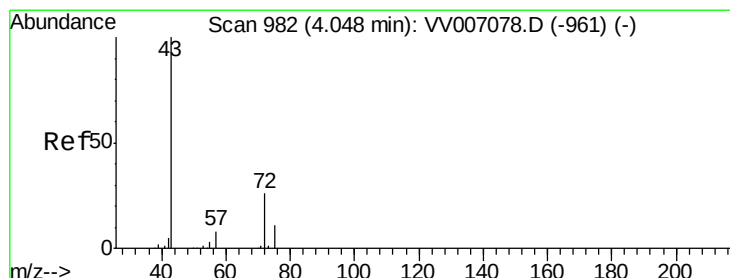
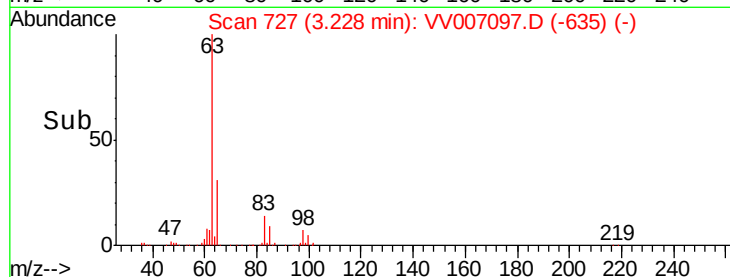
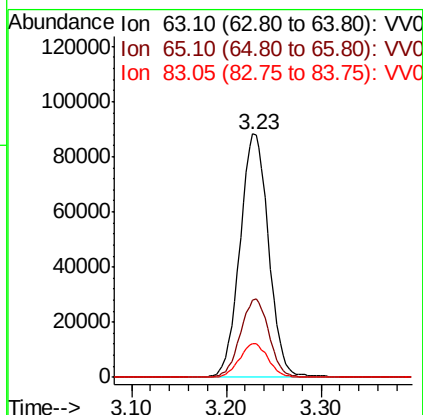
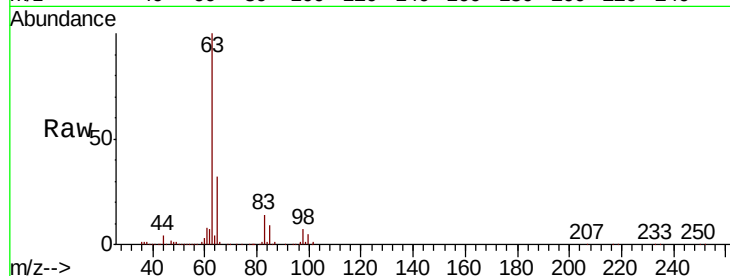




#19
 1,1-Dichloroethane
 Concen: 5.340 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

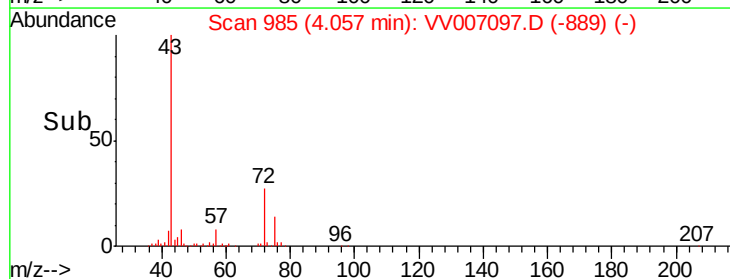
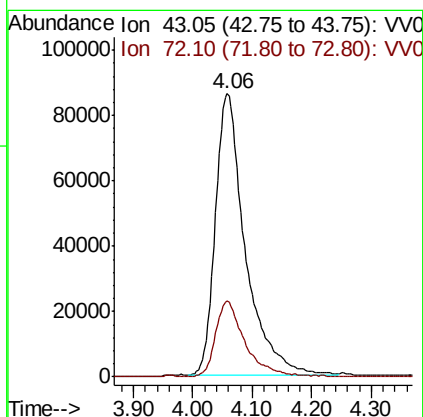
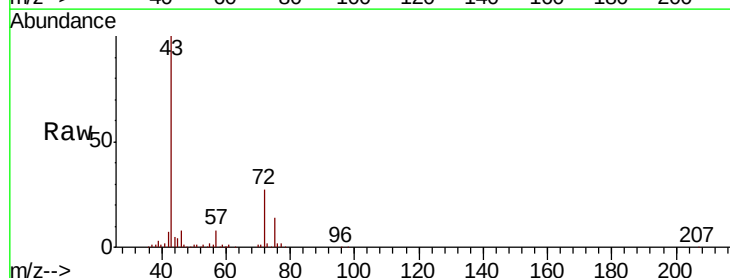
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

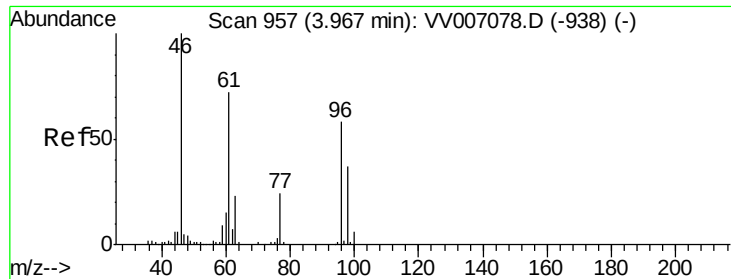
Tot Ion: 63 Resp: 184584
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 57.714 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion: 43 Resp: 298269
 Ion Ratio Lower Upper
 43 100
 72 26.2 12.4 37.2



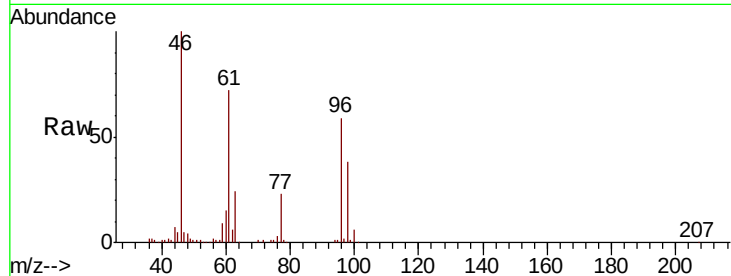


#22

cis-1,2-Dichloroethene
Concen: 5.081 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

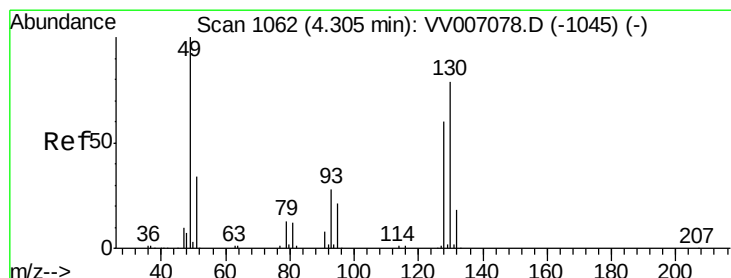
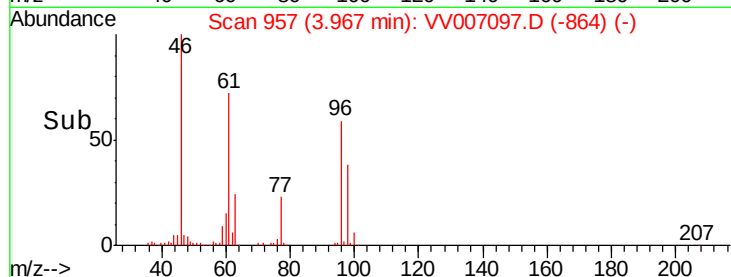
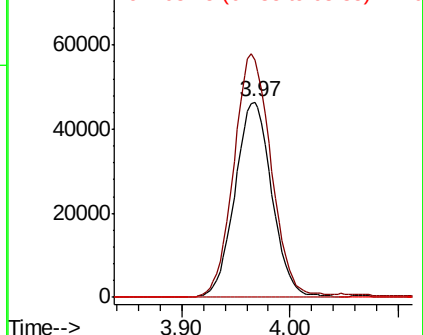
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.8	91.1	169.1
68	0.0	0.0	0.0



Abundance

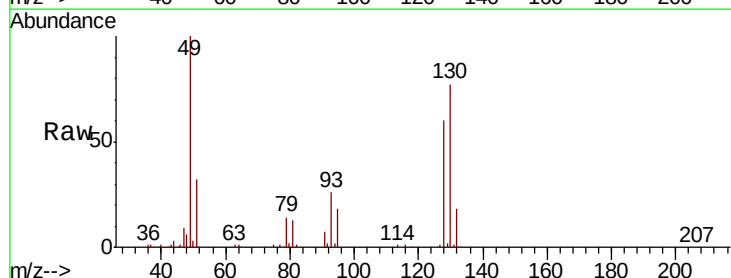
Ion 96.00 (95.70 to 96.70): VV007078.D (-938) (-)



#23

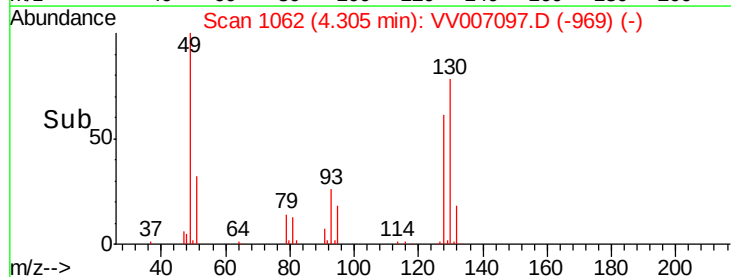
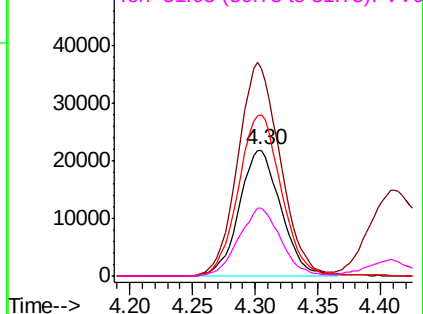
Bromochloromethane
Concen: 5.674 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

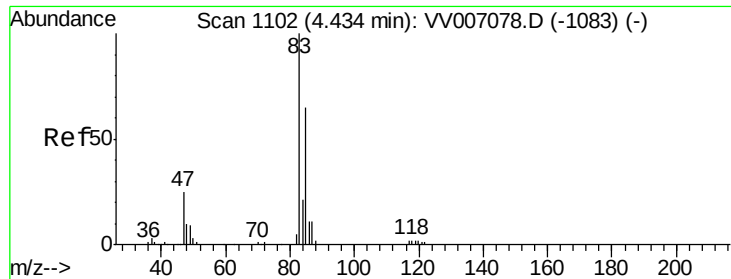
Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.5	138.6	257.4
130	128.2	90.0	167.2
51	53.8	46.9	70.3



Abundance

Ion 127.90 (127.60 to 128.60): VV007078.D (-1045) (-)

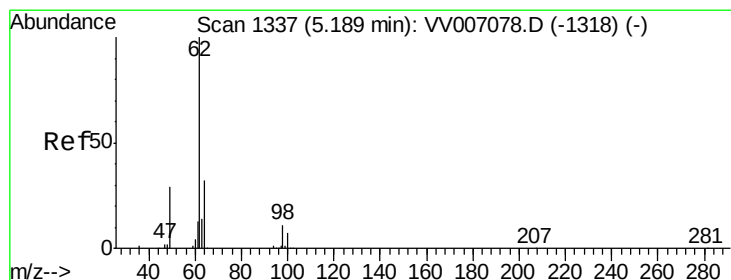
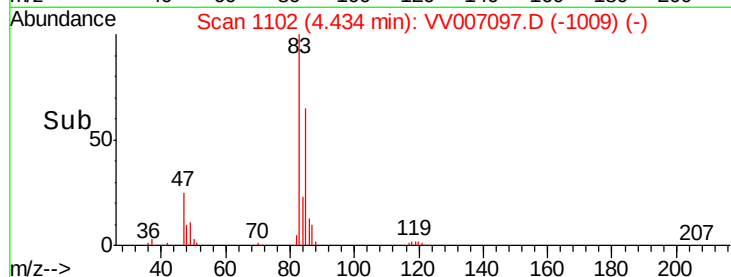
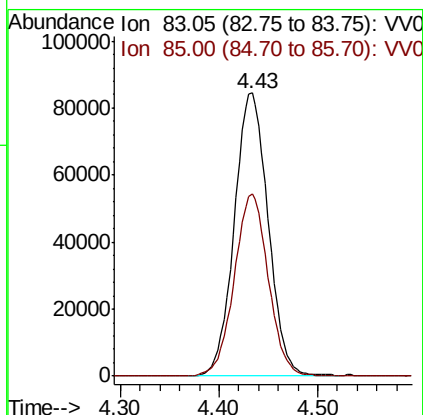
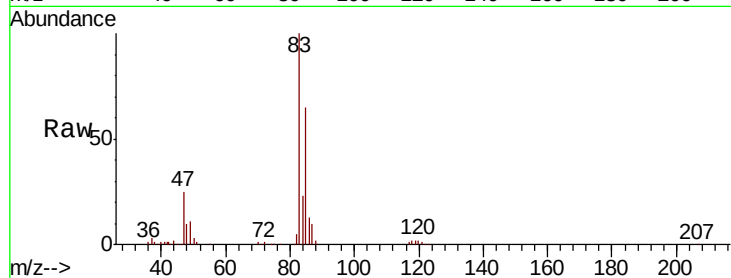




#25
Chloroform
Concen: 5.312 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

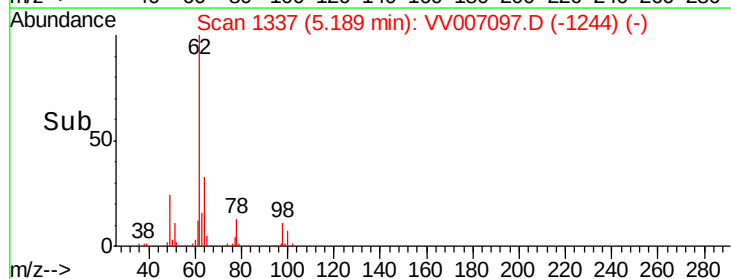
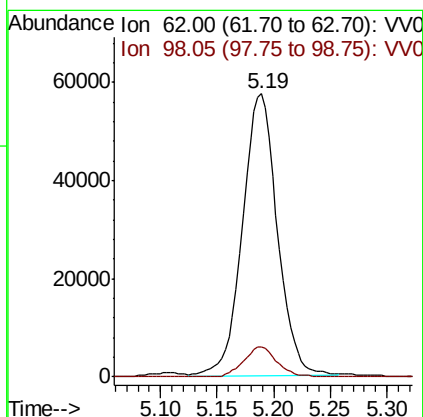
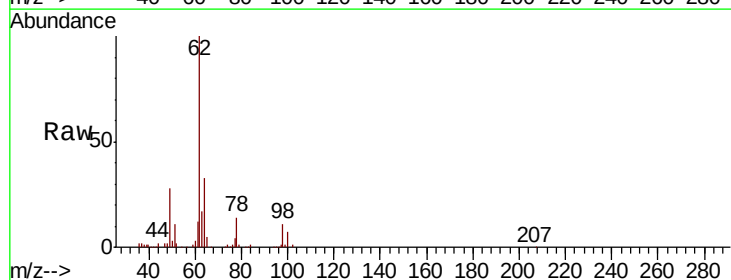
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

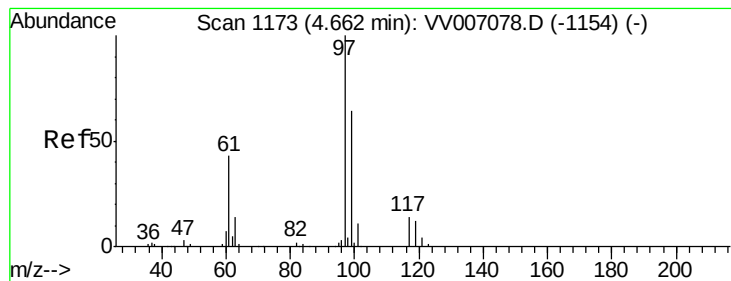
Tot Ion: 83 Resp: 200908
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.209 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Tgt Ion: 62 Resp: 122872
Ion Ratio Lower Upper
62 100
98 10.8 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.223 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

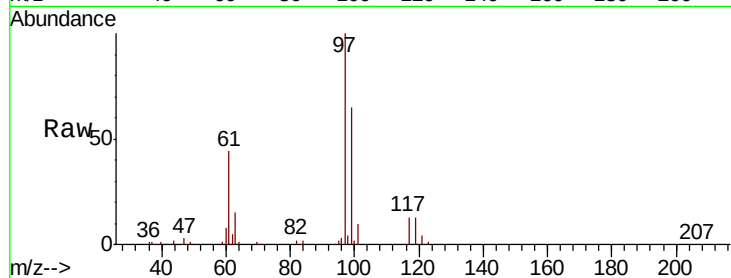
Tot Ion: 97 Resp: 171669

Ion Ratio Lower Upper

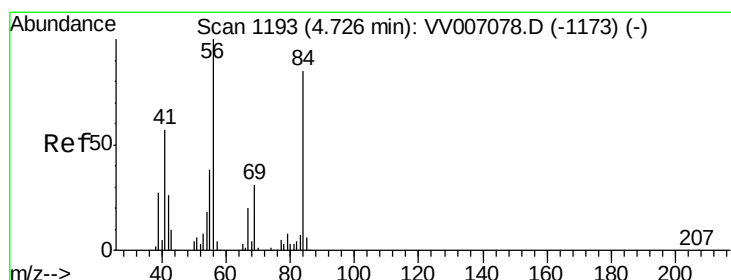
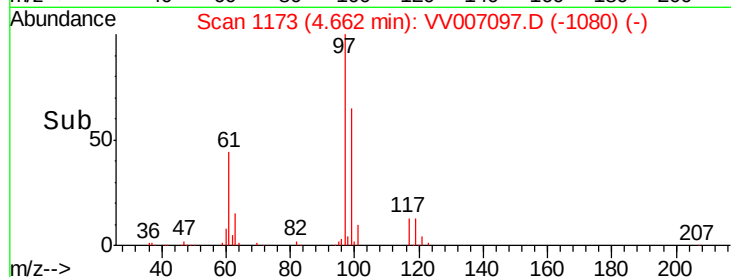
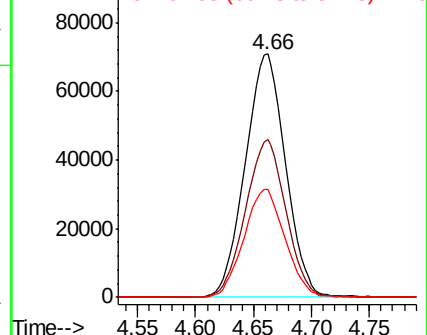
97 100

99 65.0 51.0 76.6

61 45.2 36.6 54.8



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: 4.390 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

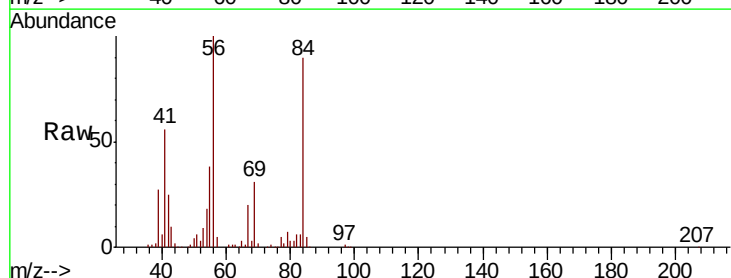
Tgt Ion: 56 Resp: 150201

Ion Ratio Lower Upper

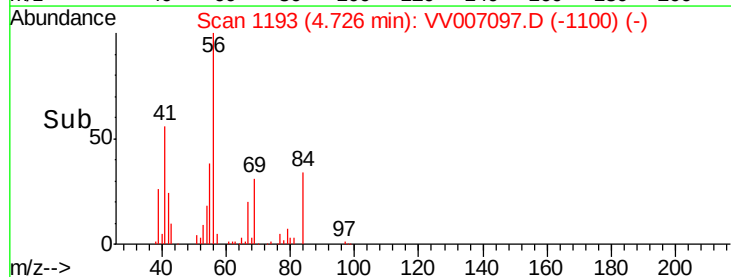
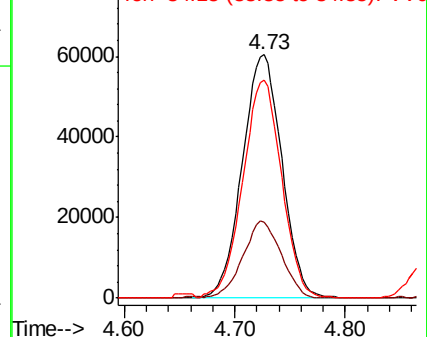
56 100

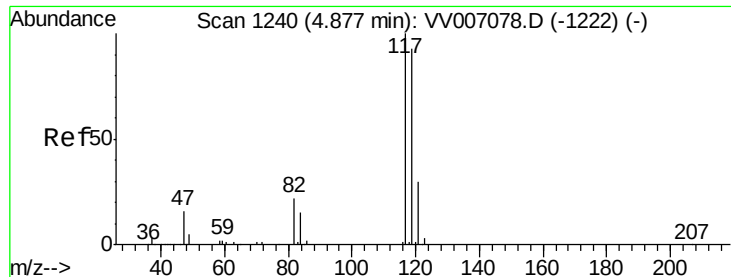
69 30.0 23.8 35.6

84 88.0 67.9 101.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

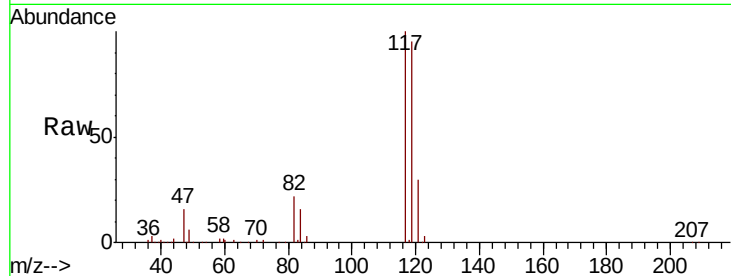




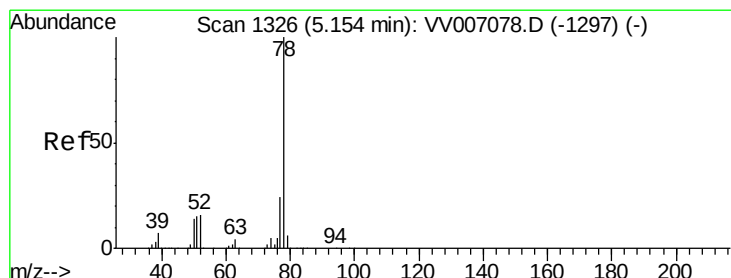
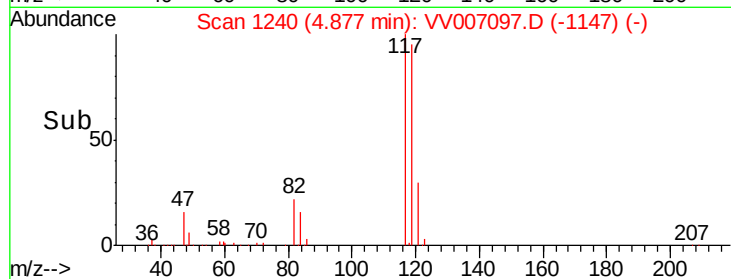
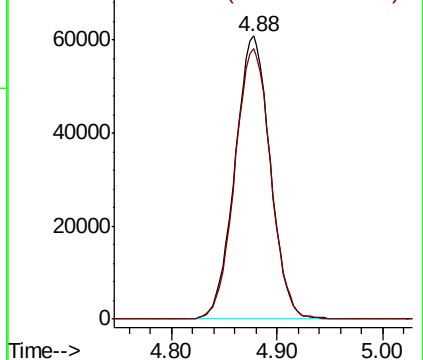
#31
Carbon tetrachloride
Concen: 5.125 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

Tot Ion:117 Resp: 141264
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.4

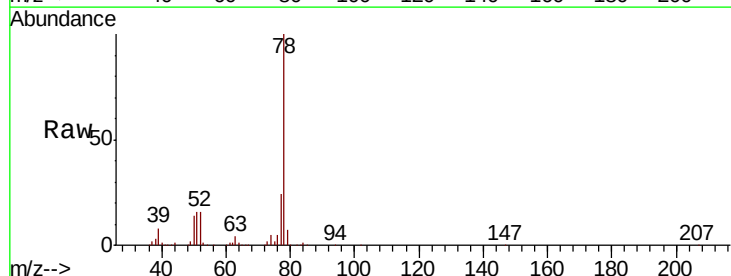


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

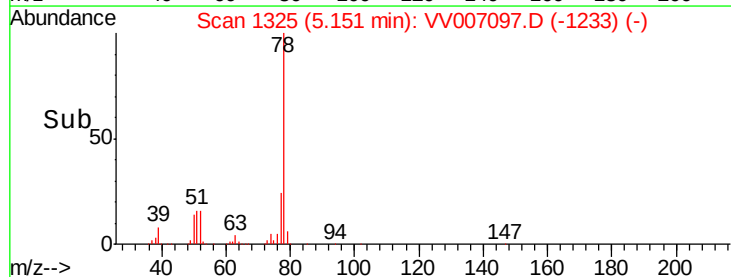
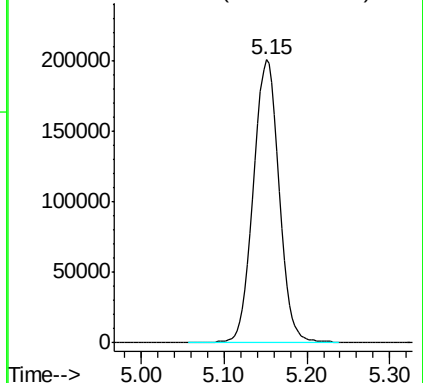


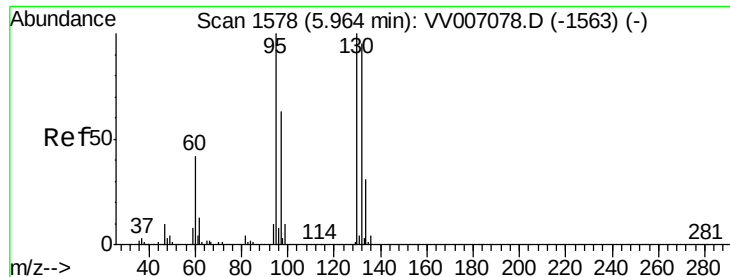
#33
Benzene
Concen: 5.094 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Tgt Ion: 78 Resp: 434995



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.112 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

Tot Ion: 95 Resp: 104674

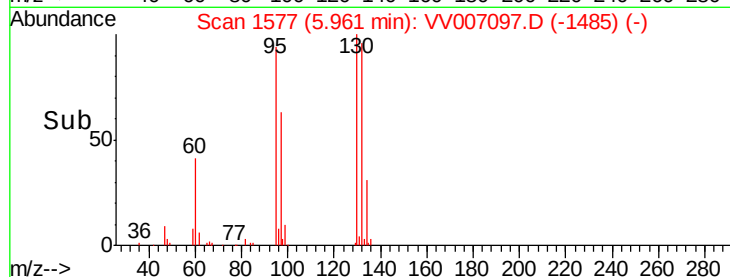
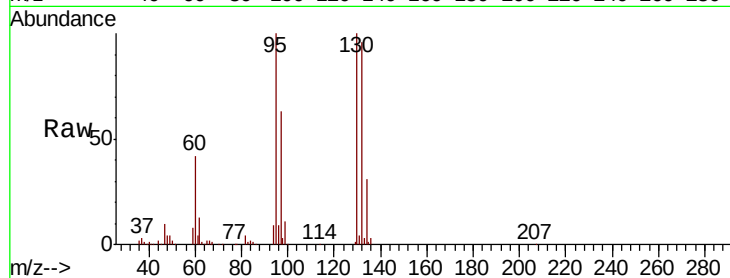
Ion Ratio Lower Upper

95 100

97 63.2 44.8 83.2

132 96.1 65.5 121.6

130 99.9 66.4 123.4

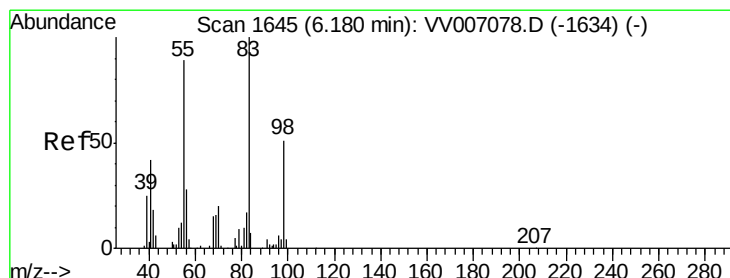
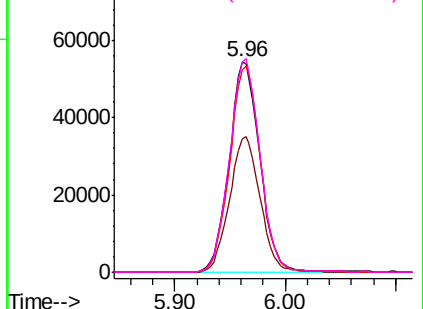


Abundance Ion 95.00 (94.70 to 95.70): VV007097.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007097.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007097.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007097.D (-1485) (-)



#35

Methylcyclohexane

Concen: 4.596 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

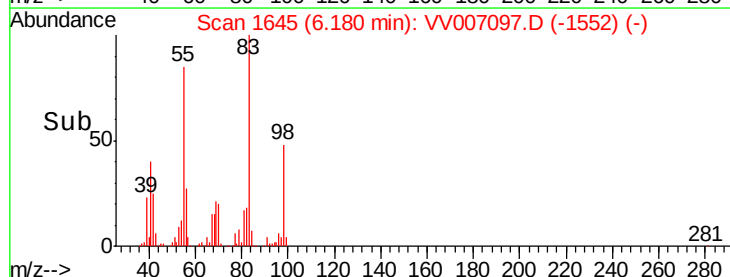
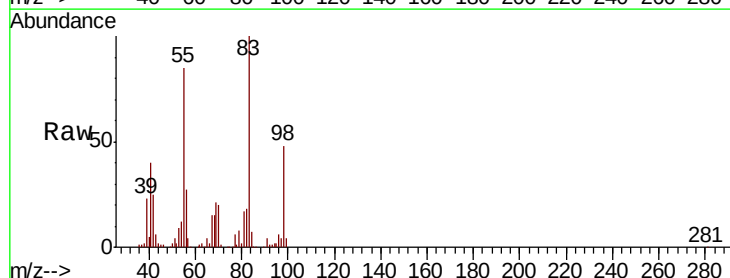
Tgt Ion: 83 Resp: 151081

Ion Ratio Lower Upper

83 100

55 82.6 68.1 102.1

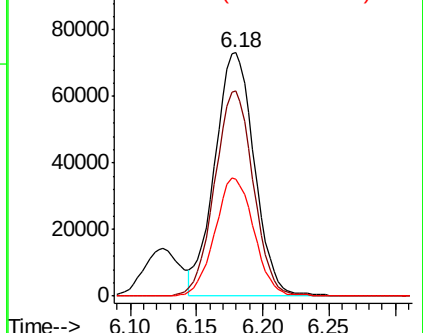
98 48.0 37.9 56.9

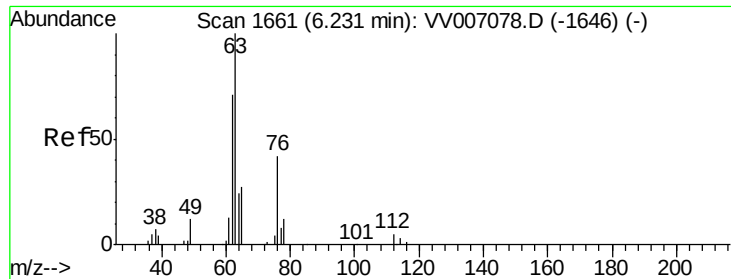


Abundance Ion 83.15 (82.85 to 83.85): VV007097.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007097.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007097.D (-1552) (-)

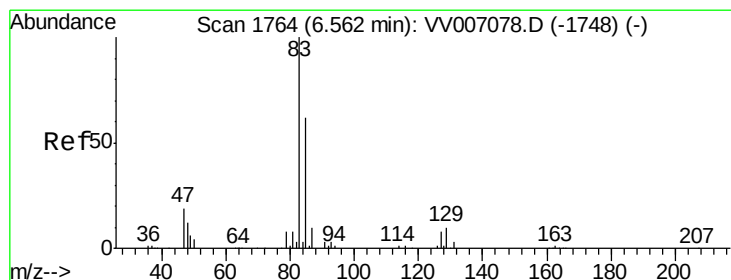
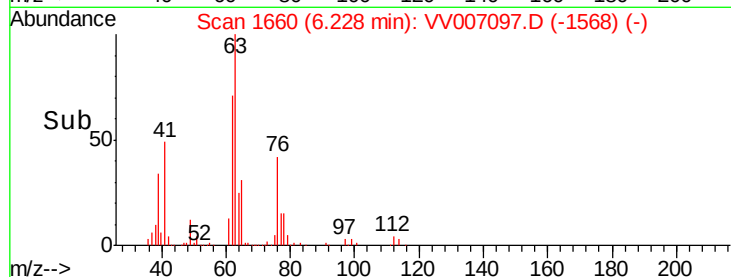
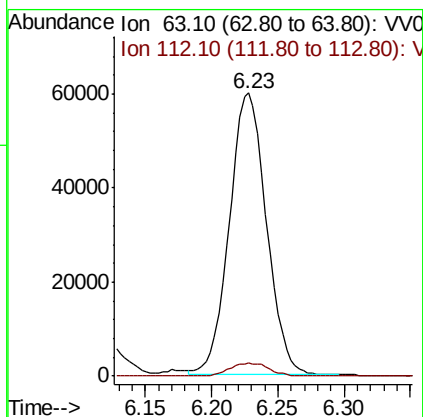
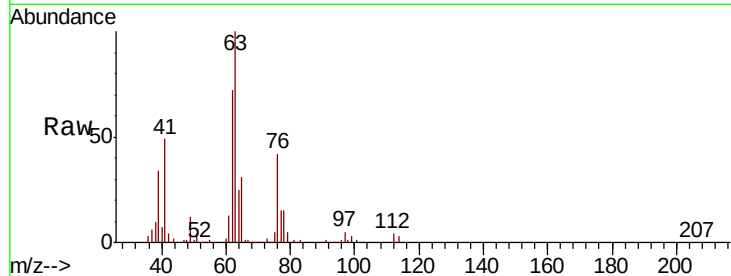




#37
 1,2-Dichloropropane
 Concen: 4.991 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

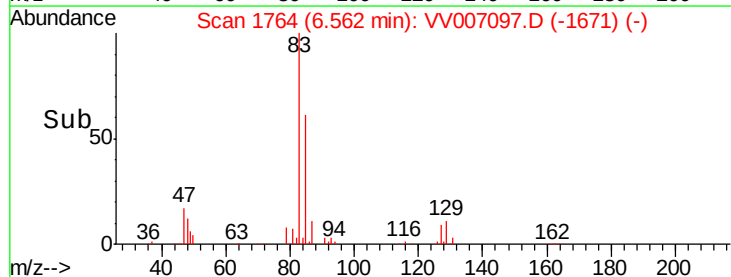
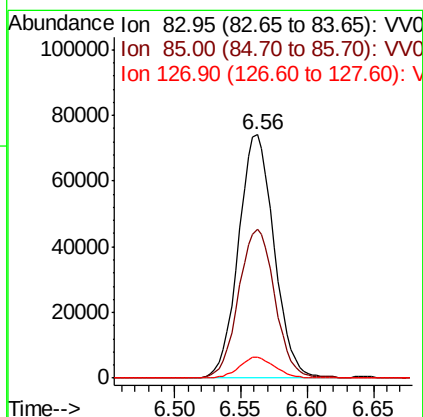
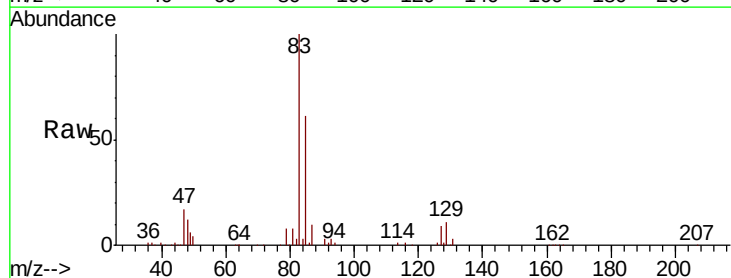
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

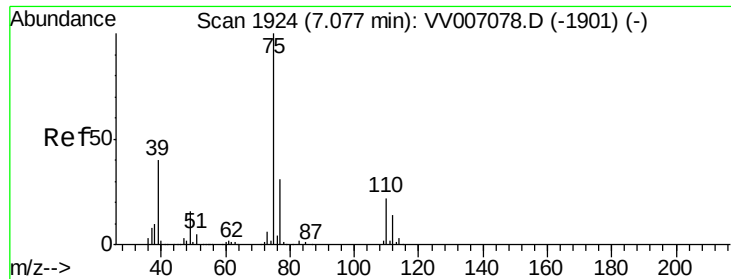
Tot Ion: 63 Resp: 116673
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.205 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion: 83 Resp: 138243
 Ion Ratio Lower Upper
 83 100
 85 60.9 43.8 81.4
 127 8.6 6.6 10.0



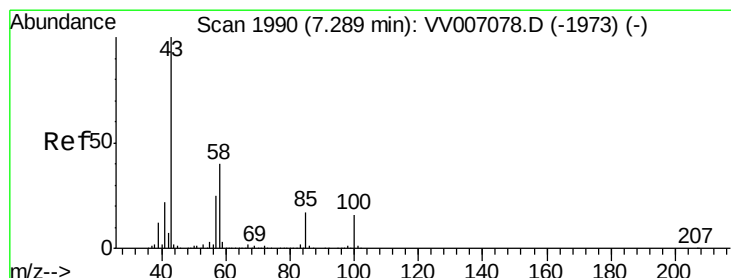
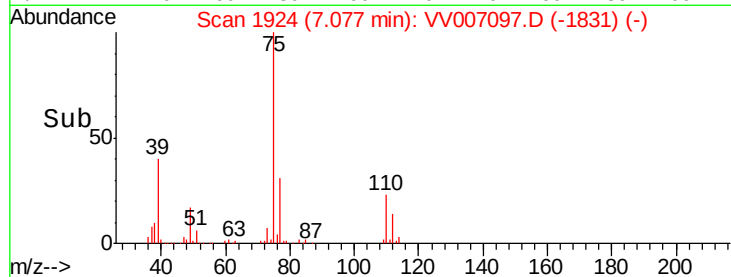
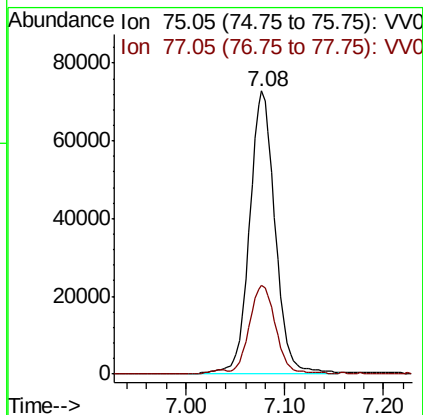
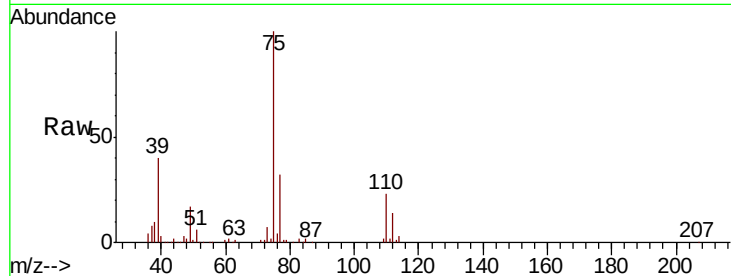


#39

cis-1,3-Dichloropropene
 Concen: 4.609 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

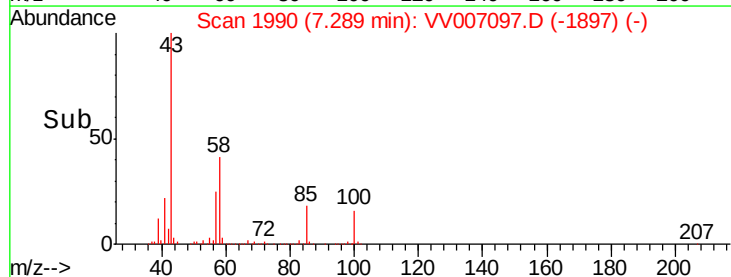
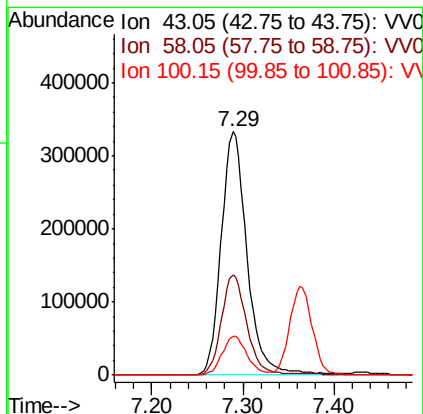
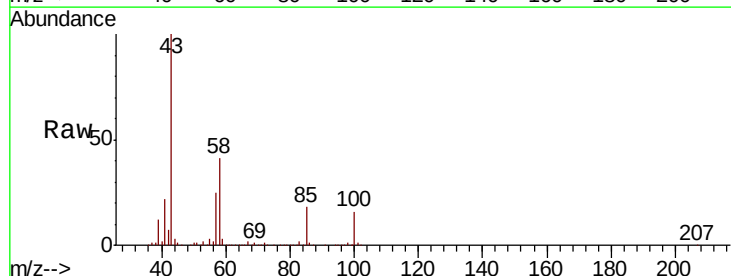
Tot Ion: 75 Resp: 130156
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8

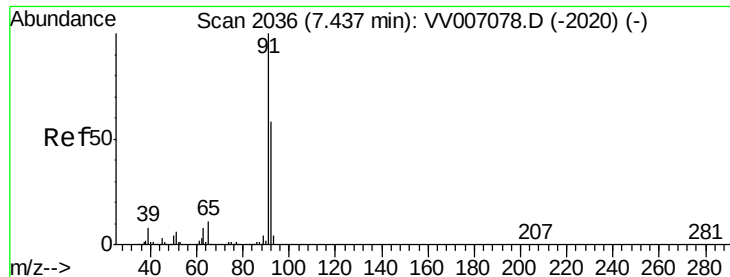


#40

4-Methyl-2-pentanone
 Concen: 52.323 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion: 43 Resp: 660679
 Ion Ratio Lower Upper
 43 100
 58 40.9 30.7 46.1
 100 15.5 11.2 16.8





#42

Toluene

Concen: 5.378 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

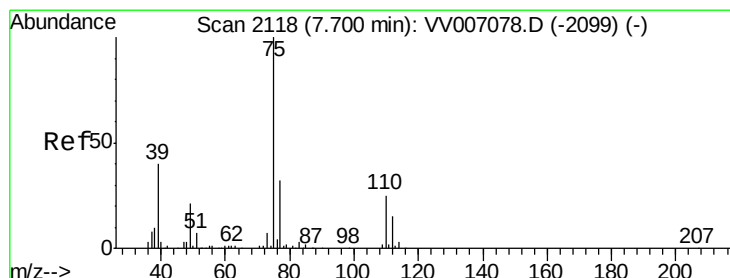
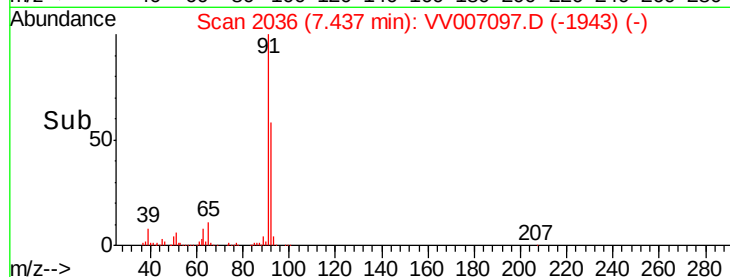
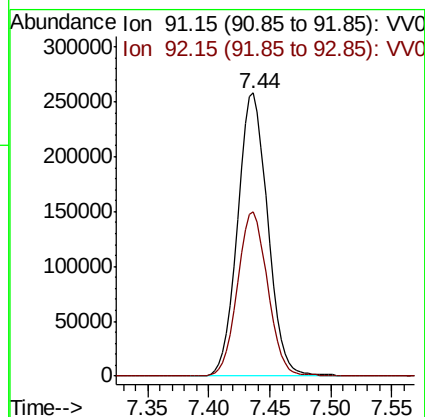
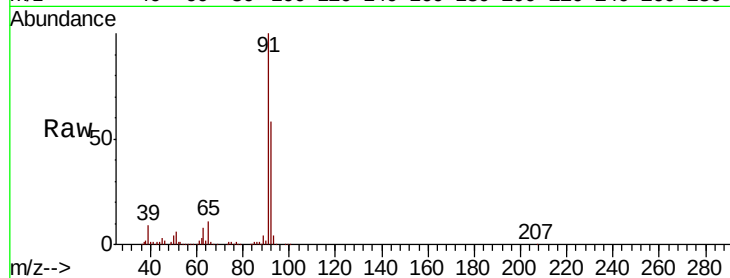
VSTD00567

Tot Ion: 91 Resp: 441336

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.801 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007097.D

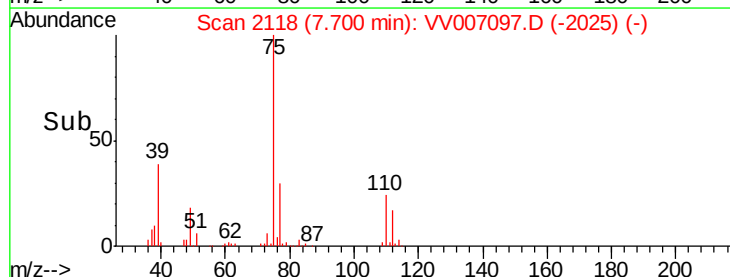
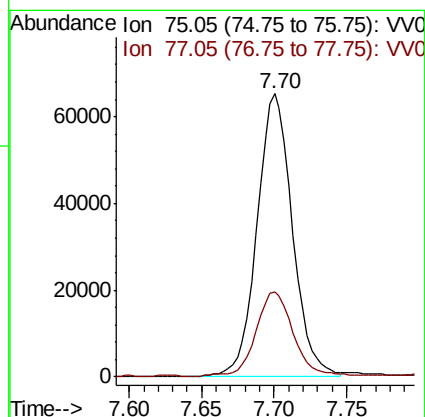
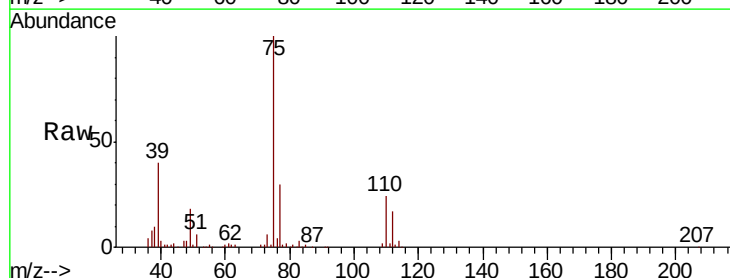
Acq: 21 Aug 2018 03:05

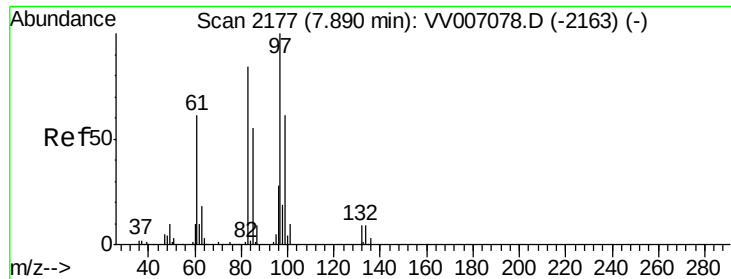
Tgt Ion: 75 Resp: 111269

Ion Ratio Lower Upper

75 100

77 30.1 22.3 41.3

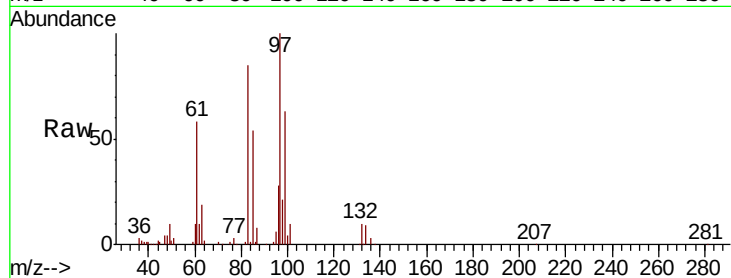




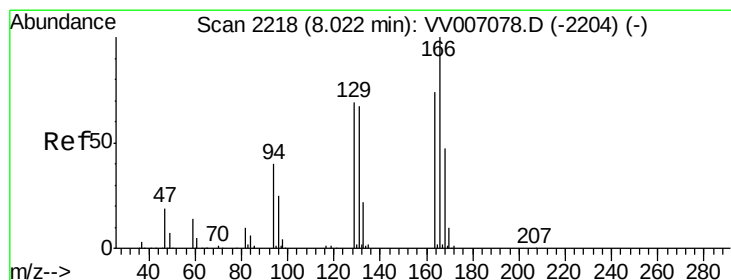
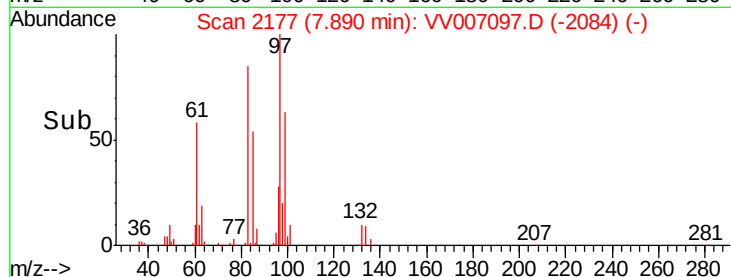
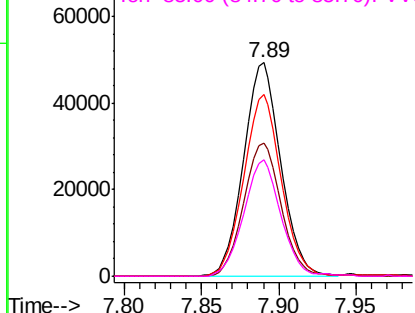
#45
 1,1,2-Trichloroethane
 Concen: 5.442 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tot Ion:	97	Resp:	82752
Ion	Ratio	Lower	Upper
97	100		
99	62.6	40.6	75.4
83	85.3	58.0	107.8
85	54.4	37.5	69.7

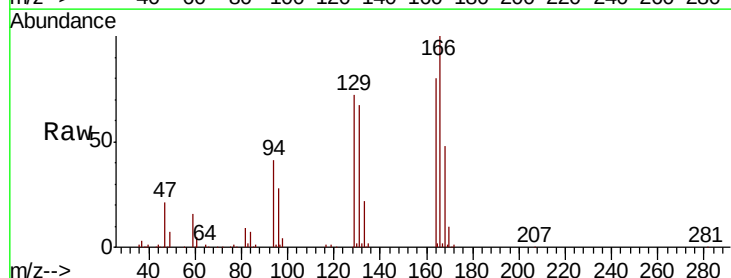


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

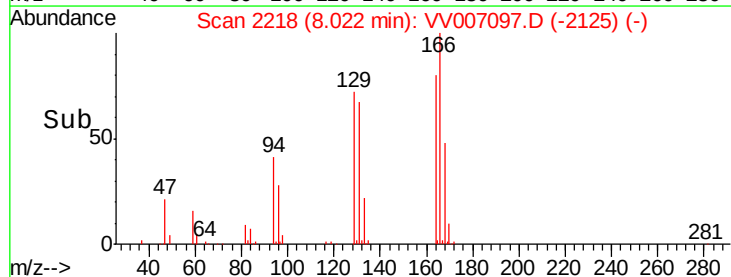
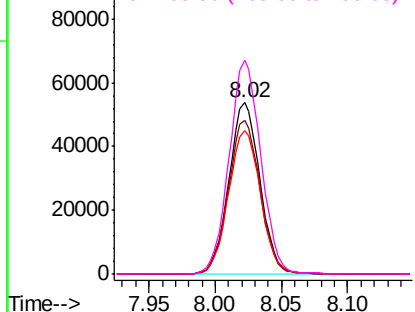


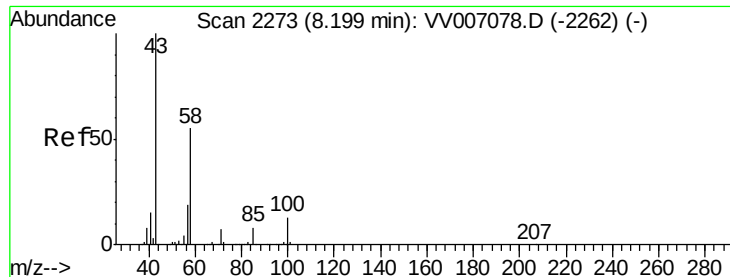
#47
 Tetrachloroethene
 Concen: 5.263 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion:	164	Resp:	87383
Ion	Ratio	Lower	Upper
164	100		
129	90.1	65.9	122.3
131	83.5	64.2	119.2
166	124.9	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

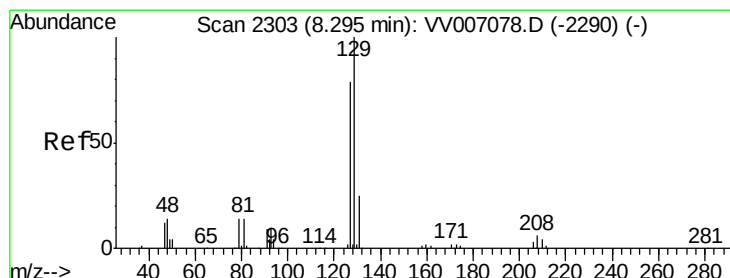
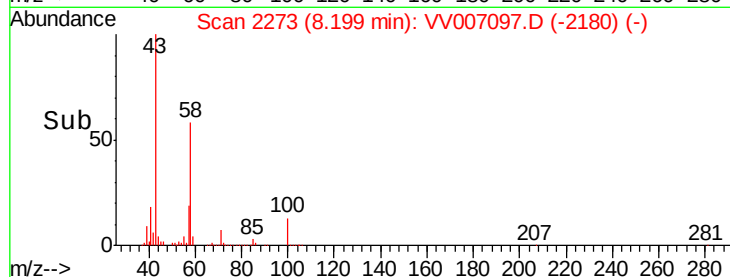
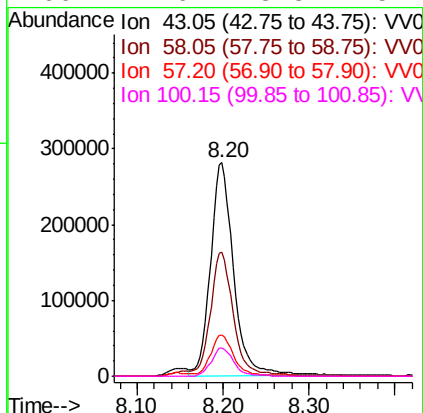
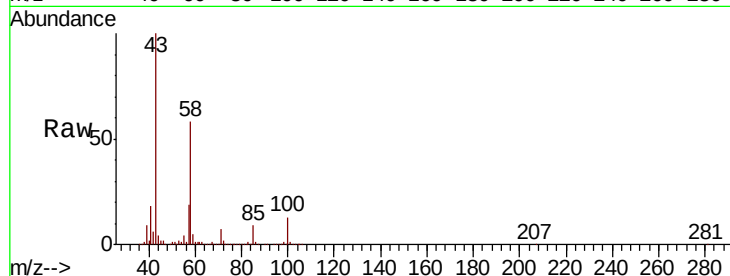




#48
2-Hexanone
Concen: 59.028 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

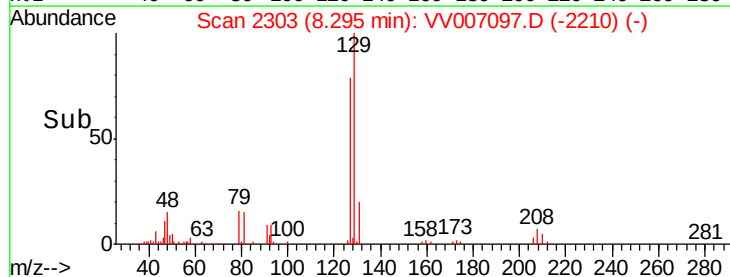
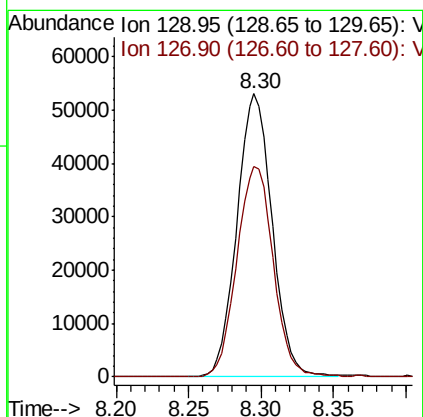
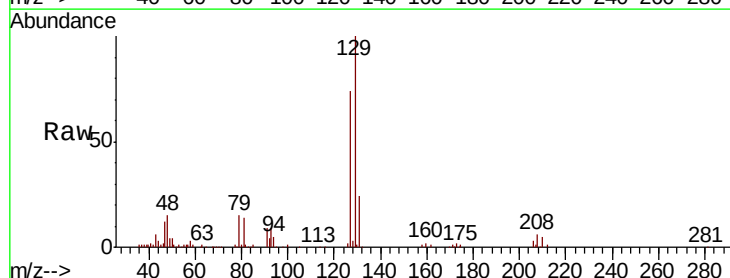
Instrument :
MSVOA_V
ClientSampleId :
VSTD00567

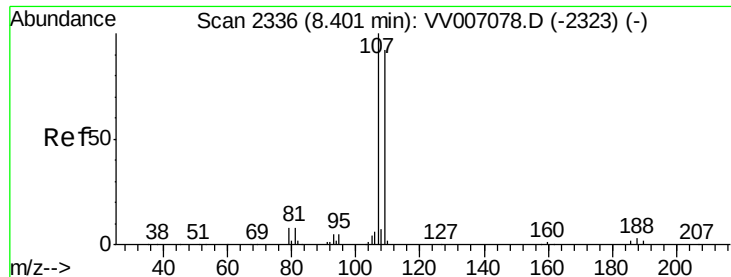
Tot Ion:	43	Resp:	525679
Ion	Ratio	Lower	Upper
43	100		
58	60.3	44.2	66.2
57	19.7	14.8	22.2
100	12.6	8.8	13.2



#49
Dibromochloromethane
Concen: 5.608 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007097.D
Acq: 21 Aug 2018 03:05

Tgt Ion:	129	Resp:	89457
Ion	Ratio	Lower	Upper
129	100		
127	74.4	53.3	98.9

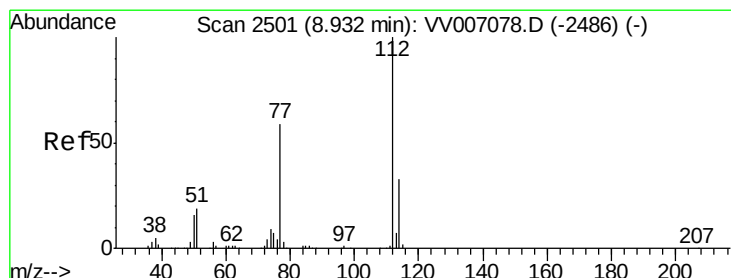
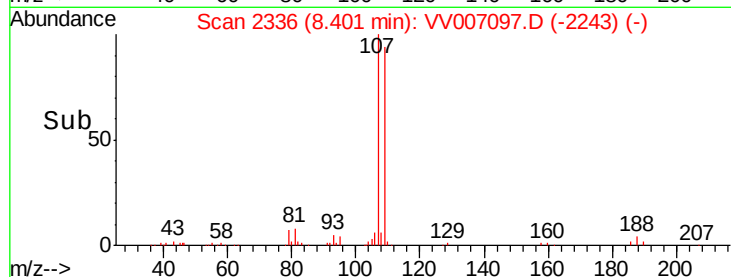
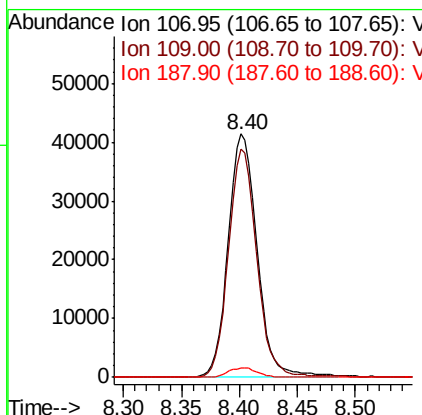
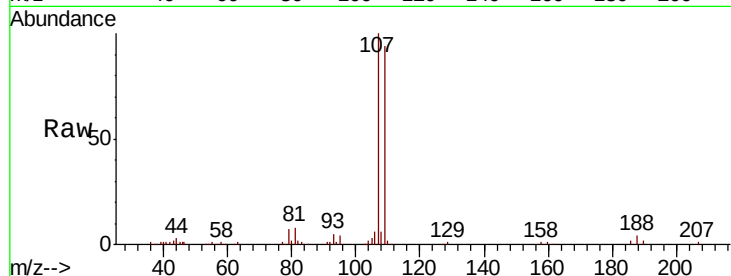




#50
 1,2-Dibromoethane
 Concen: 5.583 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

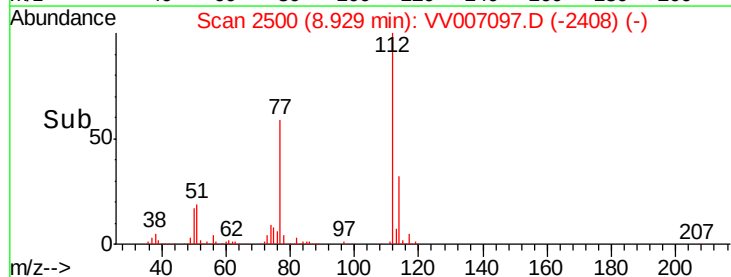
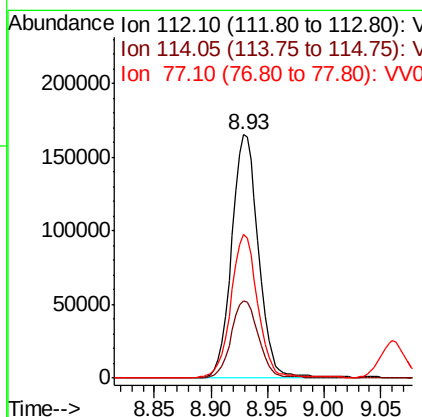
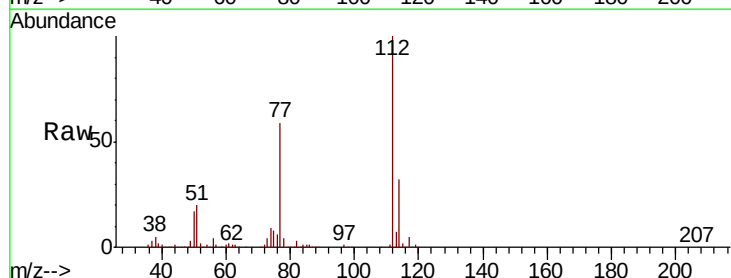
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00567

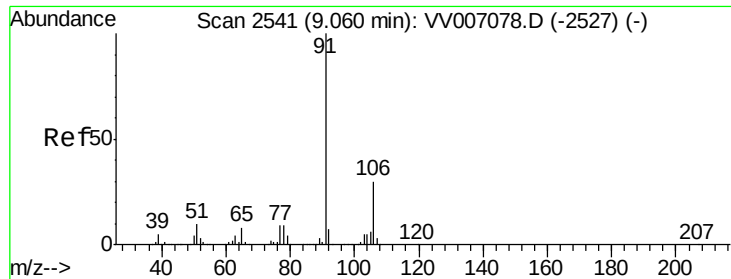
Tot Ion:107 Resp: 71722
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.1 119.1
 188 3.6 4.0 6.0#



#51
 Chlorobenzene
 Concen: 5.212 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion:112 Resp: 272614
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.8 40.6
 77 58.9 48.0 72.0





#52

Ethylbenzene

Concen: 5.027 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

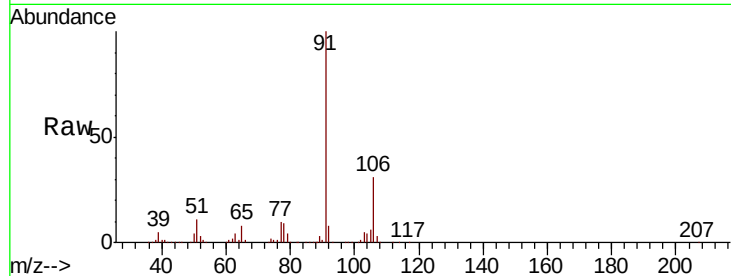
VSTD00567

Tot Ion: 91 Resp: 411916

Ion Ratio Lower Upper

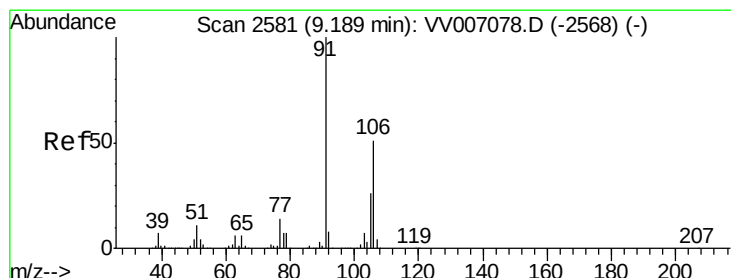
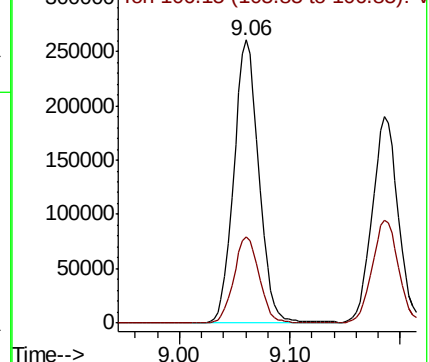
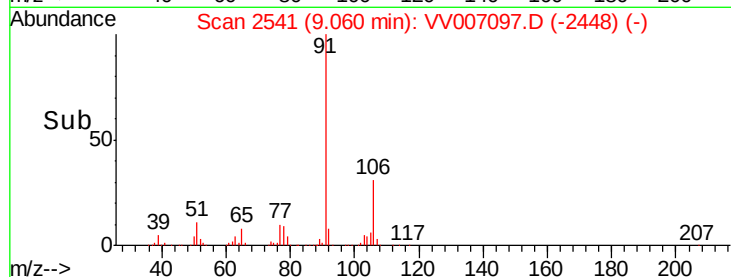
91 100

106 30.6 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV007097.D (-2448) (-)

Ion 106.15 (105.85 to 106.85): VV007097.D (-2448) (-)



#53

m,p-xylene

Concen: 5.130 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007097.D

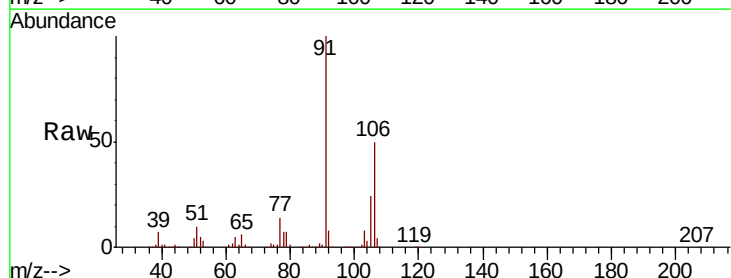
Acq: 21 Aug 2018 03:05

Tgt Ion: 106 Resp: 156712

Ion Ratio Lower Upper

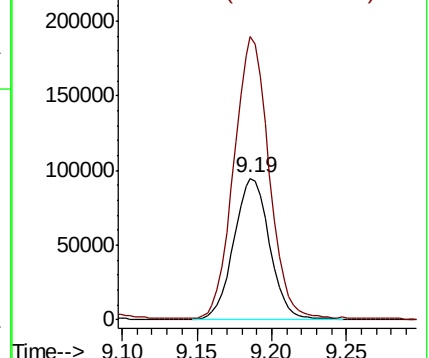
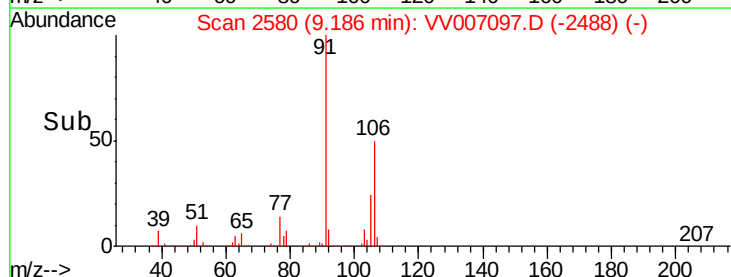
106 100

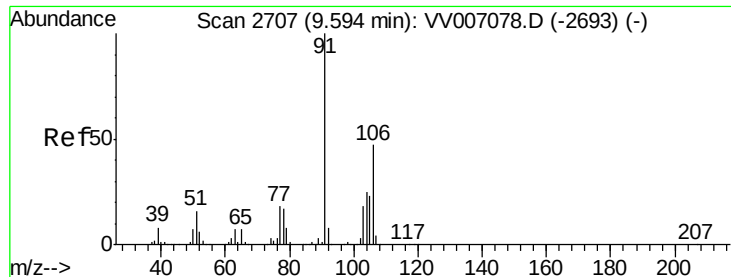
91 199.5 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV007097.D (-2488) (-)

Ion 91.15 (90.85 to 91.85): VV007097.D (-2488) (-)





#54

o-xylene

Concen: 5.116 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

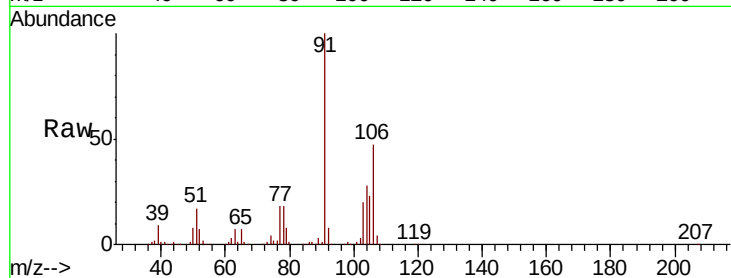
VSTD00567

Tot Ion:106 Resp: 148090

Ion Ratio Lower Upper

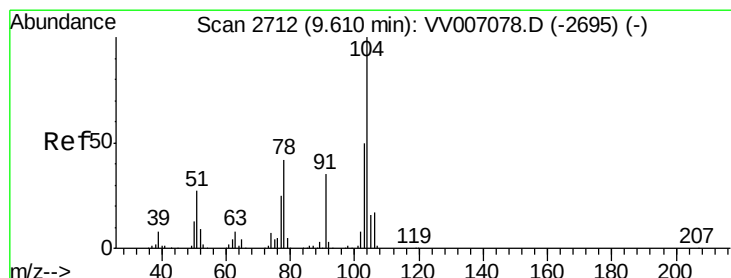
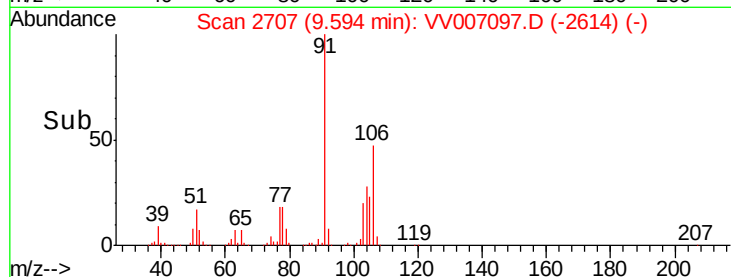
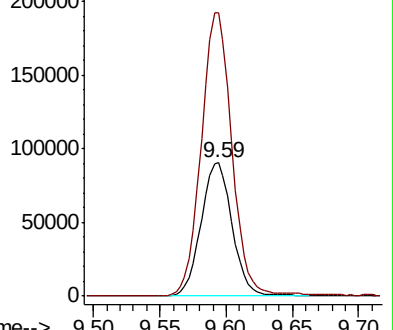
106 100

91 212.7 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.151 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007097.D

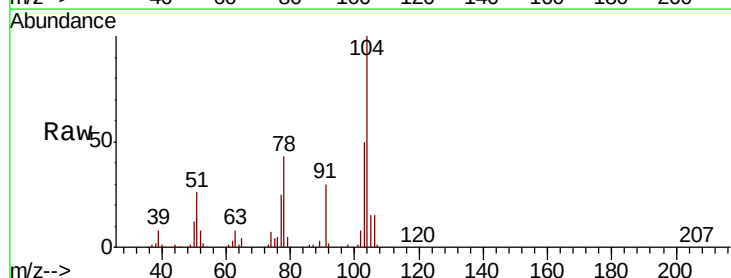
Acq: 21 Aug 2018 03:05

Tgt Ion:104 Resp: 251335

Ion Ratio Lower Upper

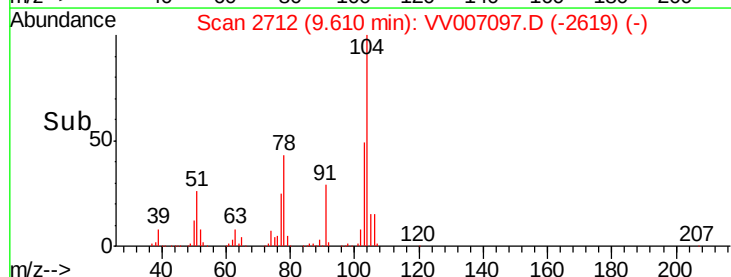
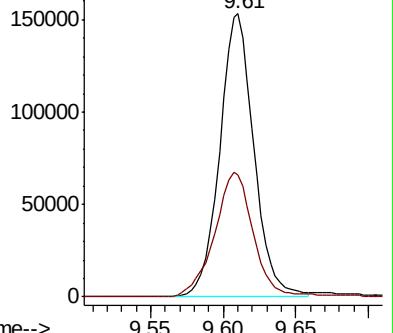
104 100

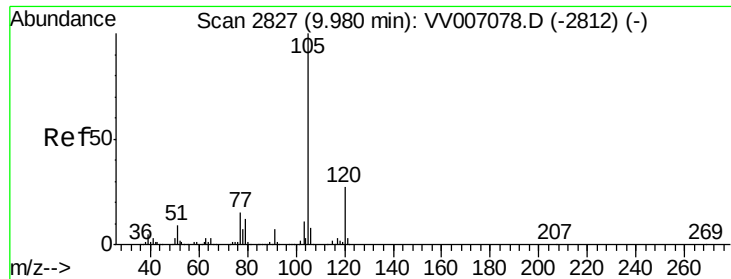
78 43.1 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.155 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

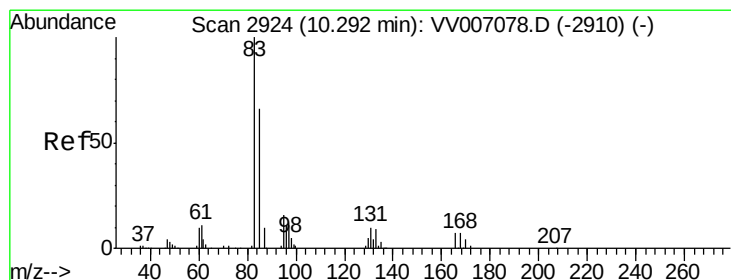
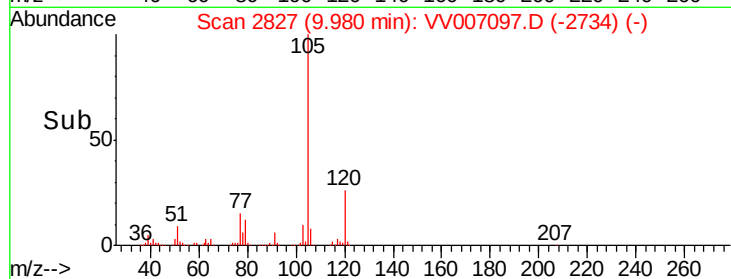
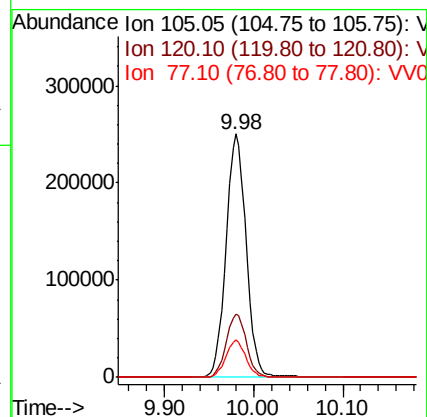
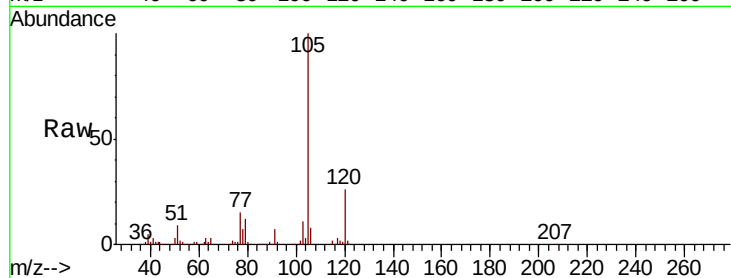
Tot Ion:105 Resp: 391424

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

77 15.0 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.393 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

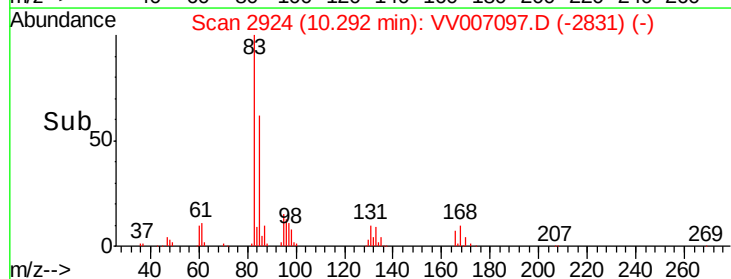
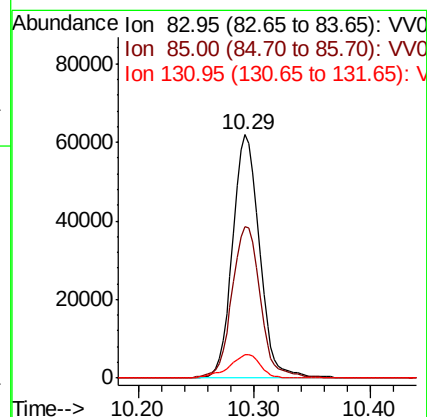
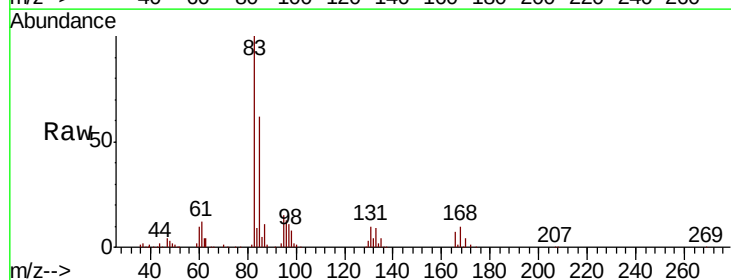
Tgt Ion: 83 Resp: 99679

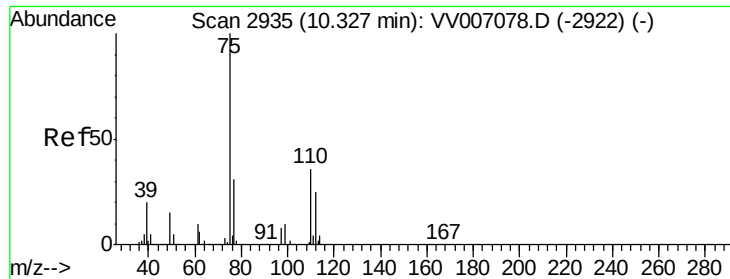
Ion Ratio Lower Upper

83 100

85 62.3 43.0 79.8

131 9.5 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 5.512 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

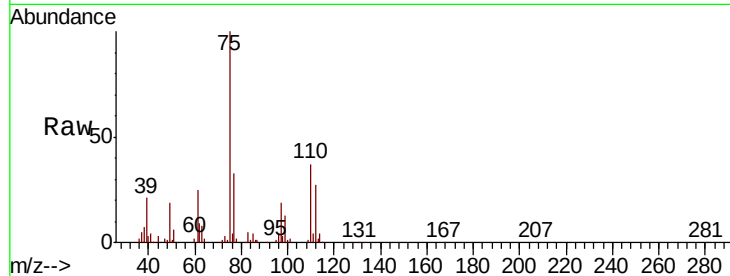
VSTD00567

Tot Ion: 75 Resp: 72126

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.0

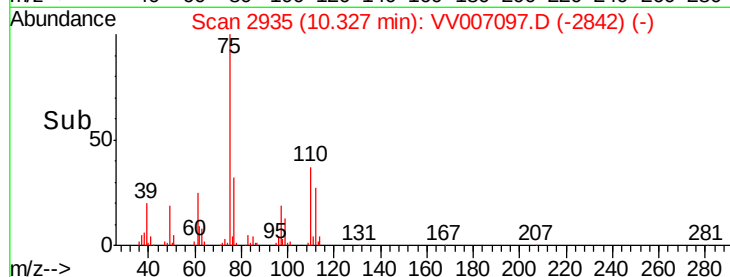


Abundance Ion 75.00 (74.70 to 75.70): VV007078.D

Ion 77.00 (76.70 to 77.70): VV007078.D

10.33

Time-->

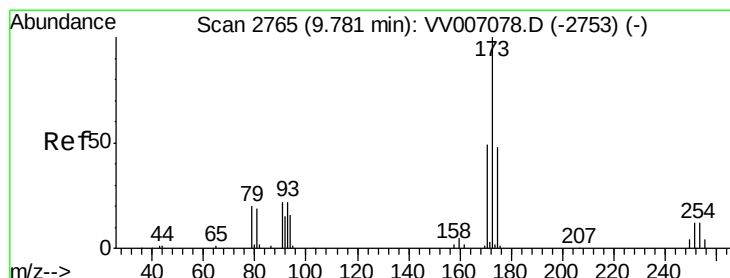


Abundance Ion 75.00 (74.70 to 75.70): VV007097.D

Ion 77.00 (76.70 to 77.70): VV007097.D

10.33

Time-->



#61

Bromoform

Concen: 5.697 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

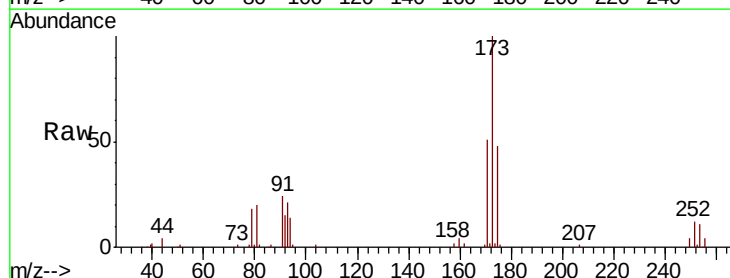
Tgt Ion: 173 Resp: 48903

Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

254 11.6 8.3 12.5



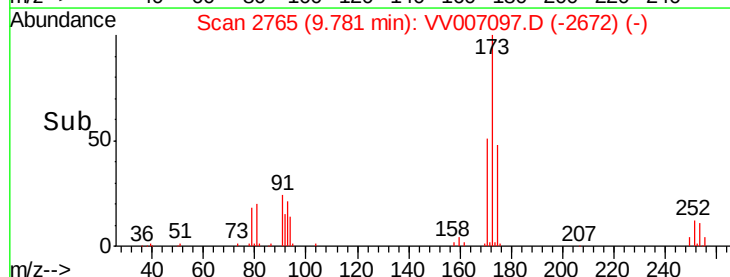
Abundance Ion 172.90 (172.60 to 173.60): VV007078.D

Ion 174.90 (174.60 to 175.60): VV007078.D

Ion 253.75 (253.45 to 254.45): VV007078.D

9.78

Time-->



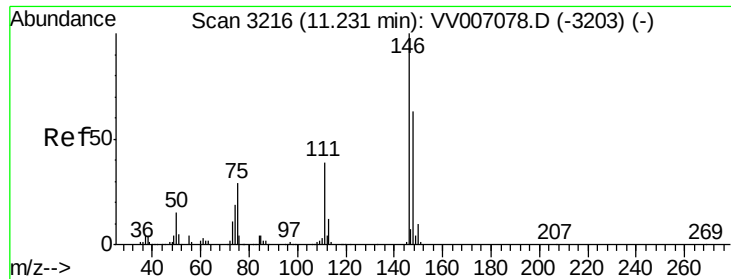
Abundance Ion 172.90 (172.60 to 173.60): VV007097.D

Ion 174.90 (174.60 to 175.60): VV007097.D

Ion 253.75 (253.45 to 254.45): VV007097.D

9.78

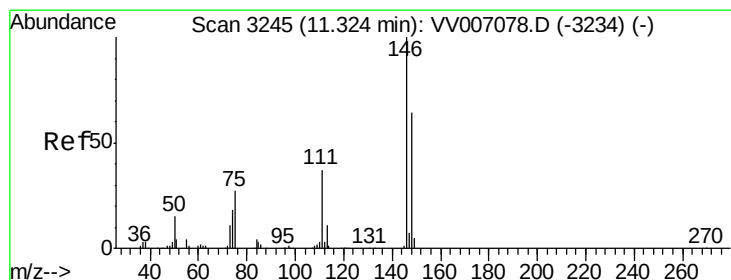
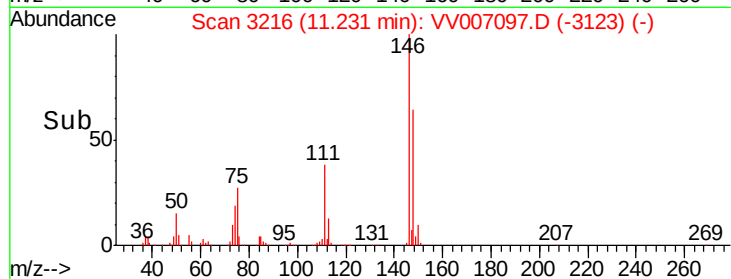
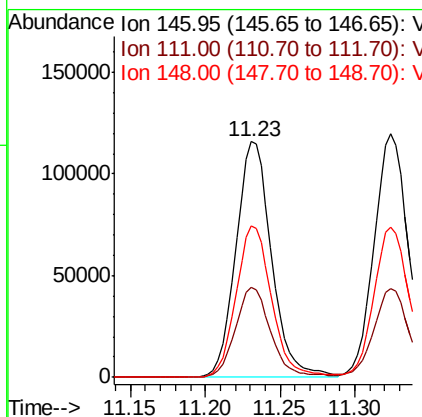
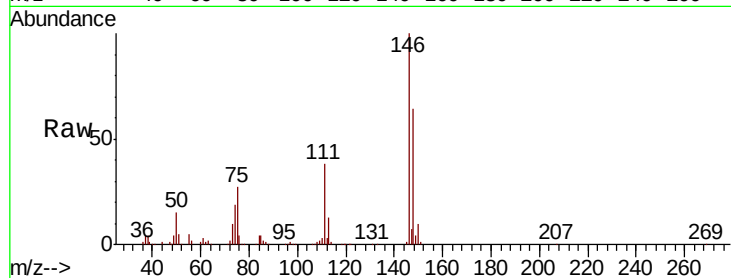
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 5.245 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

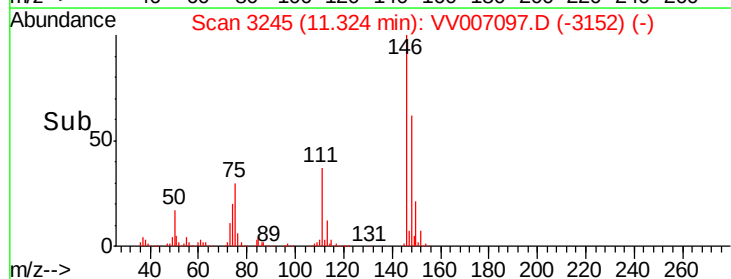
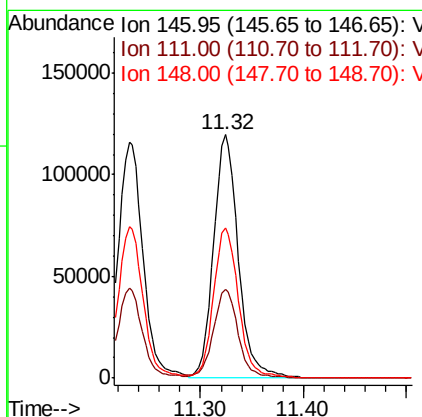
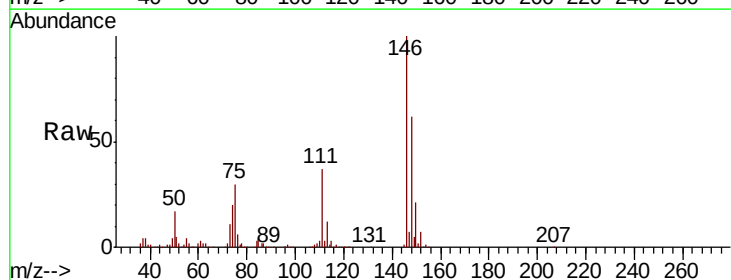
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

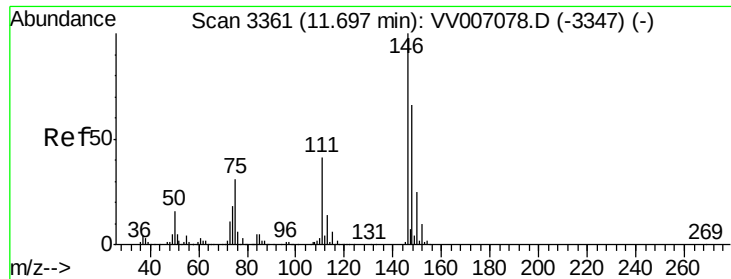
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	28.1	52.3
148	64.2	44.2	82.2



#63
 1,4-Dichlorobenzene
 Concen: 5.289 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	26.6	49.4
148	61.9	46.4	86.2

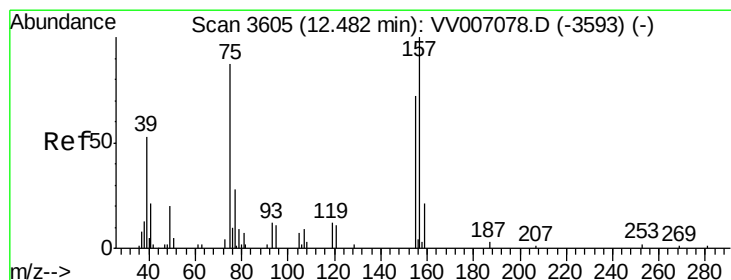
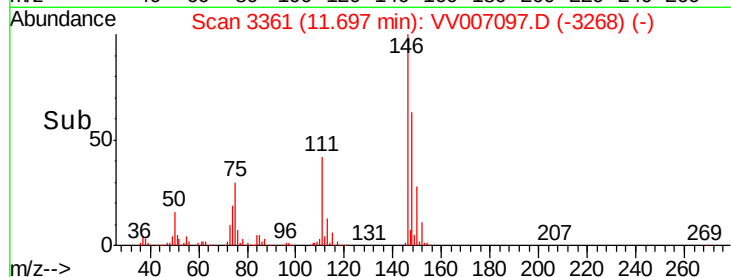
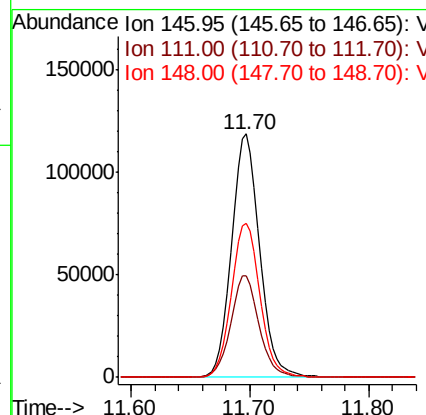
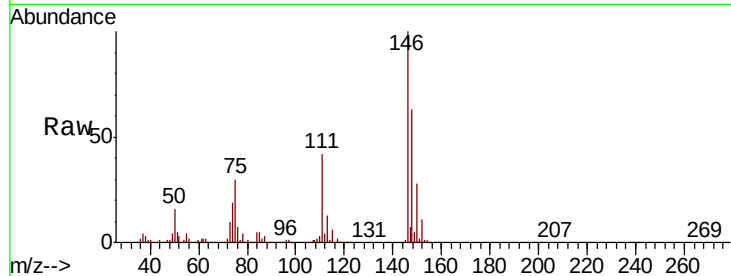




#65
 1,2-Dichlorobenzene
 Concen: 5.364 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

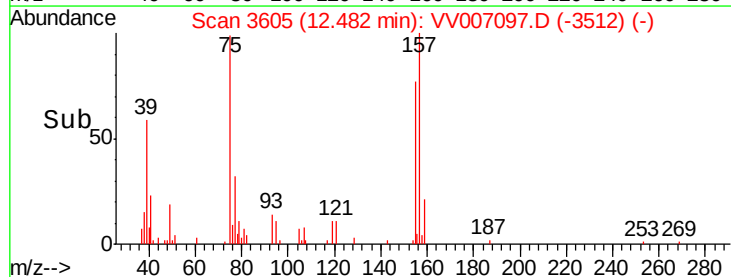
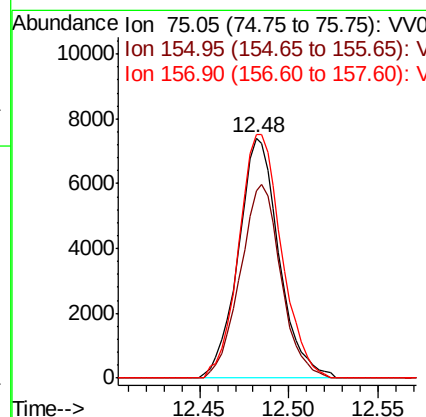
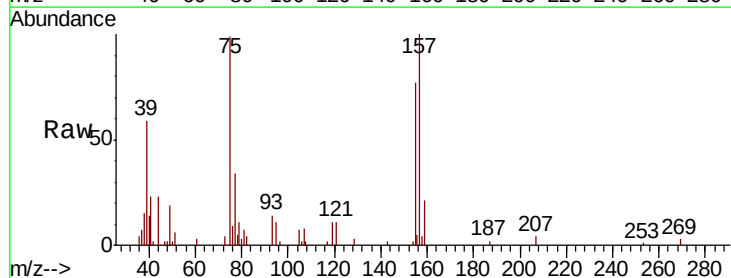
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

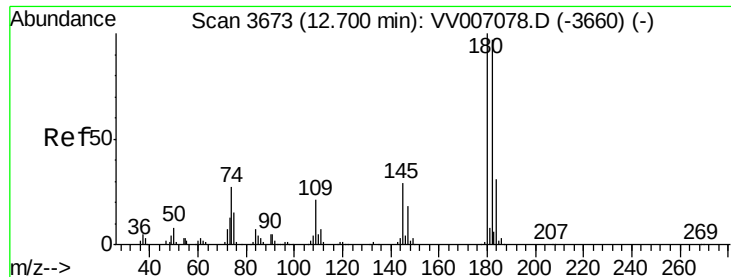
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.0	49.6
148	63.3	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.605 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	62.6	94.0
157	101.3	77.0	115.6

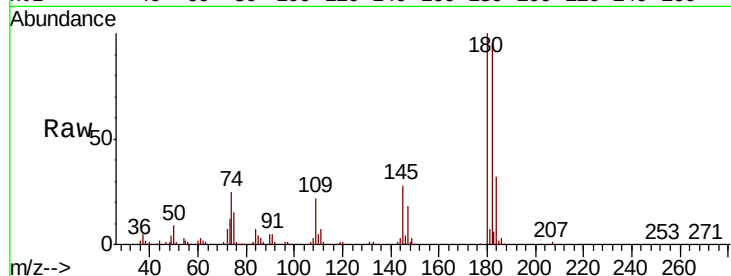




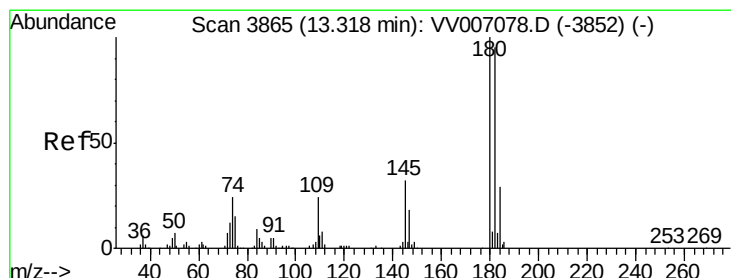
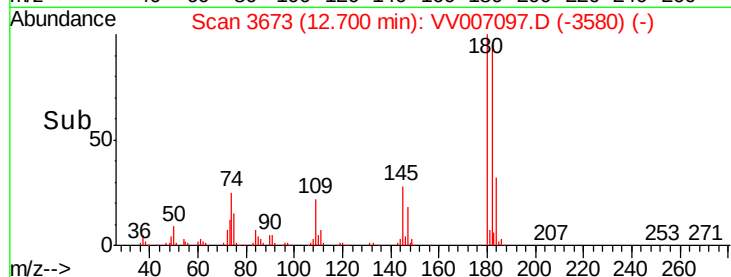
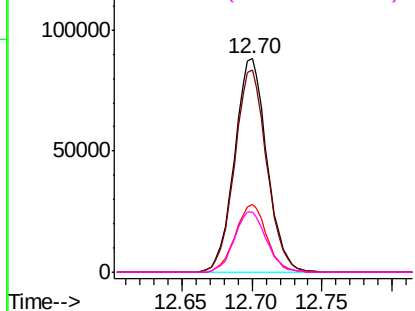
#67
 1,3,5-Trichlorobenzene
 Concen: 5.094 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Tot Ion:180	Resp:	141387
Ion Ratio	Lower	Upper
180	100	
182	94.5	75.1 112.7
184	30.9	23.8 35.8
145	27.9	21.9 32.9

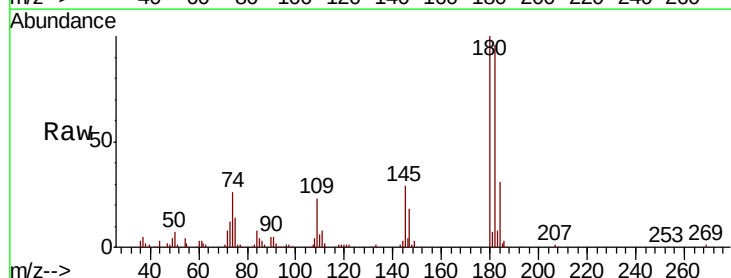


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

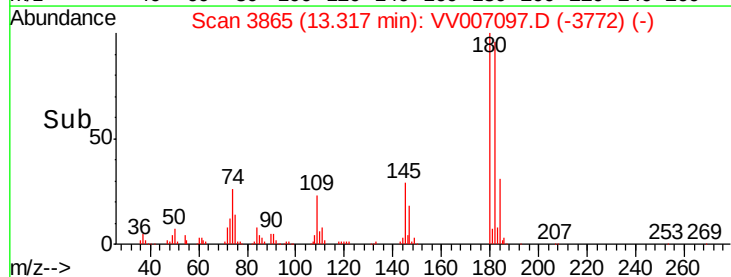
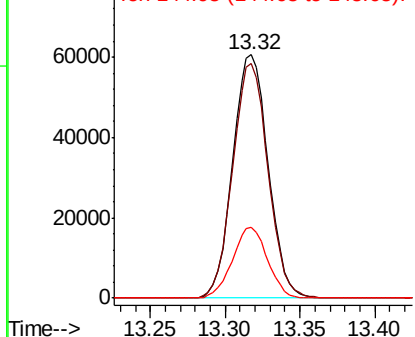


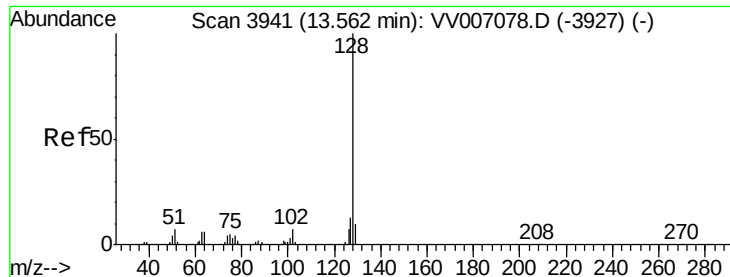
#68
 1,2,4-trichlorobenzene
 Concen: 4.909 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007097.D
 Acq: 21 Aug 2018 03:05

Tgt Ion:180	Resp:	100001
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.5 114.7
145	28.8	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: 4.643 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00567

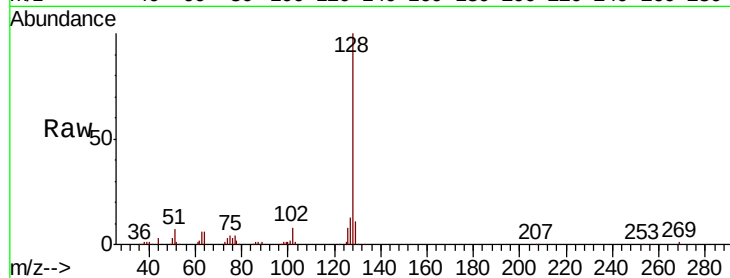
Tot Ion:128 Resp: 135837

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

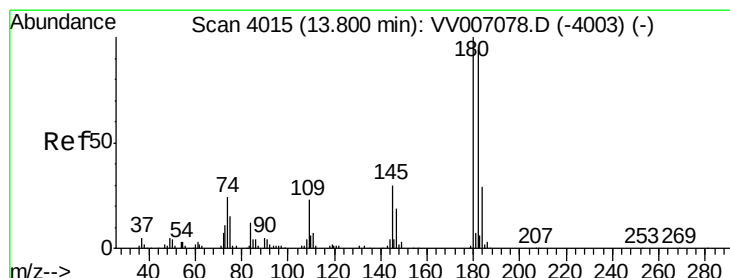
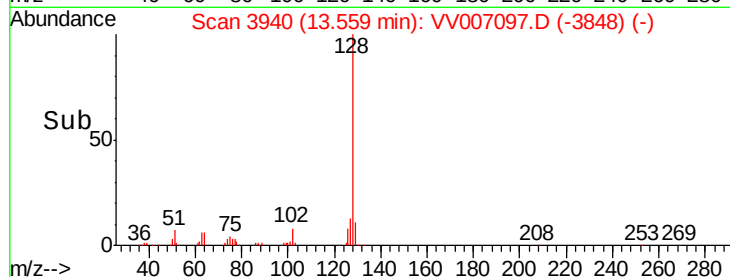
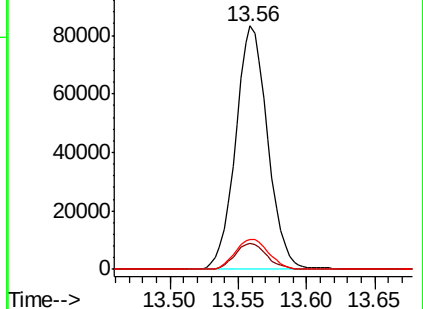
127 12.9 10.6 16.0



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: 5.029 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007097.D

Acq: 21 Aug 2018 03:05

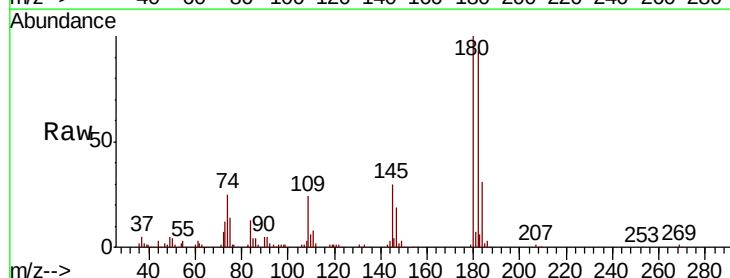
Tgt Ion:180 Resp: 98751

Ion Ratio Lower Upper

180 100

182 95.8 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

