

Data File : VV007597.D
Acq On : 18 Sep 2018 11:41
Operator : SY/MD
Sample : VSTD00167
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00167

Quant Time: Sep 19 01:26:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:25:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	120142	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	111974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59545	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5127	0.83	ug/L	0.00
7) Chloroethane-d5	1.59	69	4865	0.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	12618	0.95	ug/L	0.00
20) 2-Butanone-d5	3.97	46	5904	6.84	ug/L	0.00
24) Chloroform-d	4.41	84	10868	0.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5295	0.85	ug/L	0.00
32) Benzene-d6	5.10	84	20585	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6131	0.82	ug/L	0.00
41) Toluene-d8	7.36	98	21501	0.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2496	0.73	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	3374	6.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3763	0.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9703	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9638	1.362 ug/L	95
3) Chloromethane	1.25	50	7367	1.232 ug/L	98
5) Vinyl chloride	1.32	62	8267	1.240 ug/L	100
6) Bromomethane	1.54	94	5813	1.221 ug/L	96
8) Chloroethane	1.60	64	4772	1.168 ug/L	98
9) Trichlorofluoromethane	1.78	101	15663	1.187 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8612	1.191 ug/L	96
12) 1,1-Dichloroethene	2.15	96	8151	1.251 ug/L	85
13) Acetone	2.22	43	6758	11.480 ug/L	95
14) Carbon disulfide	2.32	76	23323	1.232 ug/L	96
15) Methyl Acetate	2.48	43	2267	1.342 ug/L	96
16) Methylene chloride	2.54	84	8574	1.226 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	17955	1.178 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	8565	1.221 ug/L	94
19) 1,1-Dichloroethane	3.23	63	11369	1.127 ug/L	98
21) 2-Butanone	4.06	43	9567	9.828 ug/L	# 68
22) cis-1,2-Dichloroethene	3.96	96	7893	1.155 ug/L	99
23) Bromochloromethane	4.31	128	3617	1.203 ug/L	95
25) Chloroform	4.43	83	13551	1.174 ug/L	97
27) 1,2-Dichloroethane	5.19	62	7800	1.183 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	12443	1.096 ug/L	98
30) Cyclohexane	4.72	56	11012	1.117 ug/L	99
31) Carbon tetrachloride	4.88	117	11164	1.048 ug/L	96
33) Benzene	5.15	78	27397	1.133 ug/L	100
34) Trichloroethene	5.96	95	9581	1.280 ug/L	97
35) Methylcyclohexane	6.18	83	12967	1.130 ug/L	97
37) 1,2-Dichloropropane	6.23	63	6034	1.022 ug/L	# 96
38) Bromodichloromethane	6.56	83	8701	1.023 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	9629	1.029 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	36490	11.294 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	30371	1.089	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	7915	1.031	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	5137	1.159	ug/L	94
47) Tetrachloroethene	8.02	164	8112	1.204	ug/L	97
48) 2-Hexanone	8.21	43	27331	10.944	ug/L	99
49) Dibromochloromethane	8.29	129	6280	1.008	ug/L	99
50) 1,2-Dibromoethane	8.40	107	4698	1.091	ug/L #	91
51) Chlorobenzene	8.93	112	21984	1.168	ug/L	97
52) Ethylbenzene	9.06	91	34961	1.117	ug/L	99
53) m,p-xylene	9.19	106	14030	1.155	ug/L	100
54) o-xylene	9.59	106	13521	1.142	ug/L	95
55) Styrene	9.61	104	21275	1.097	ug/L	97
56) Isopropylbenzene	9.98	105	36181	1.118	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	3825	0.898	ug/L	87
59) 1,2,3-Trichloropropane	10.32	75	4000	1.107	ug/L	94
61) Bromoform	9.78	173	3536	0.986	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	18719	1.184	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	18570	1.177	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	17324	1.180	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.49	75	605	0.839	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.70	180	14042	1.131	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	8349	0.943	ug/L	94
69) Naphthalene	13.57	128	7997	0.758	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	7894	0.974	ug/L	98

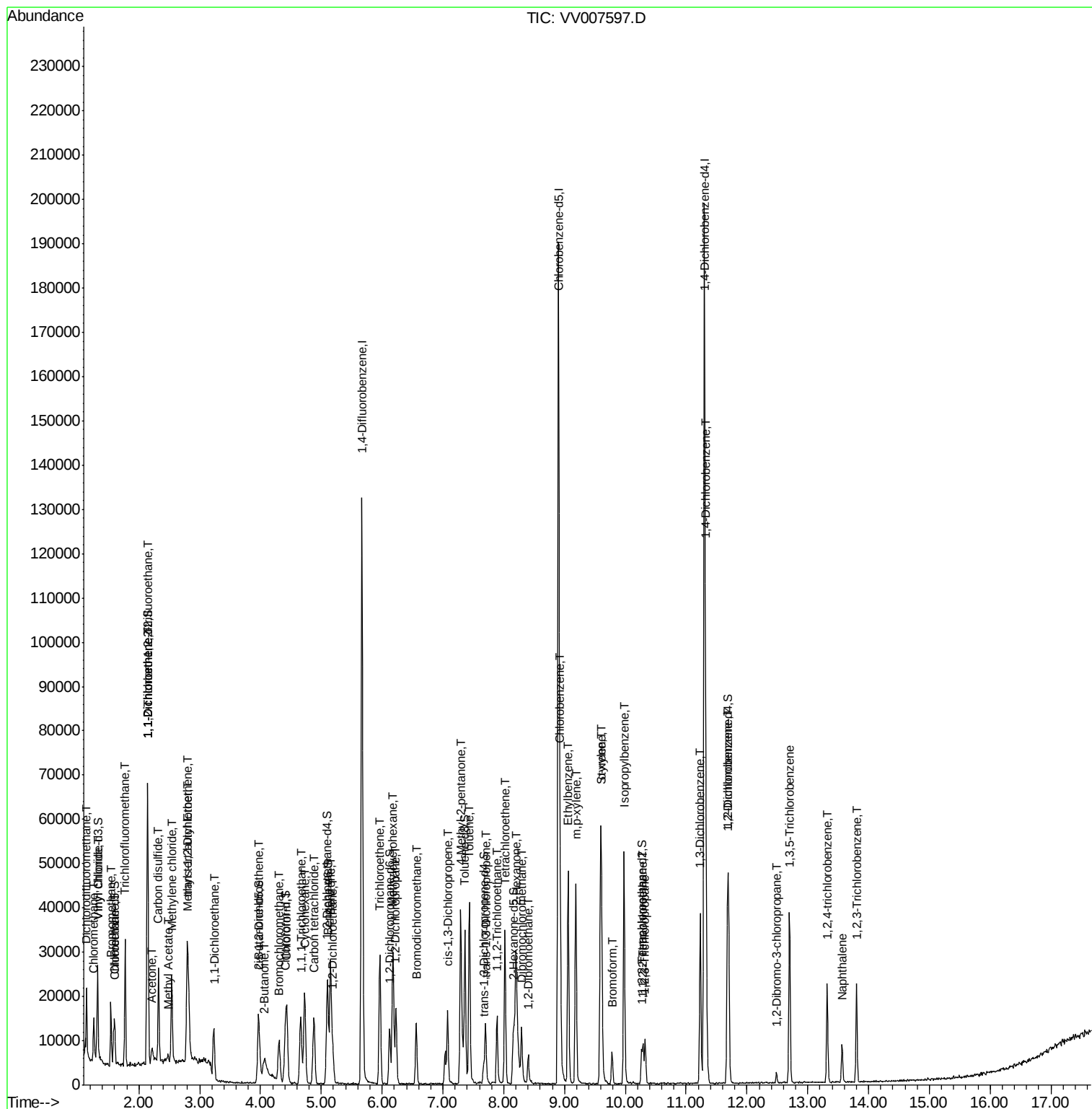
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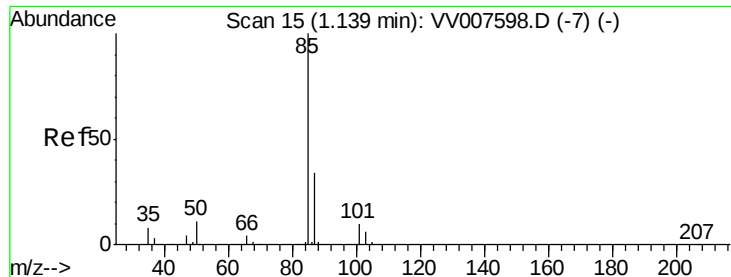
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#2

Dichlorodifluoromethane

Concen: 1.362 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

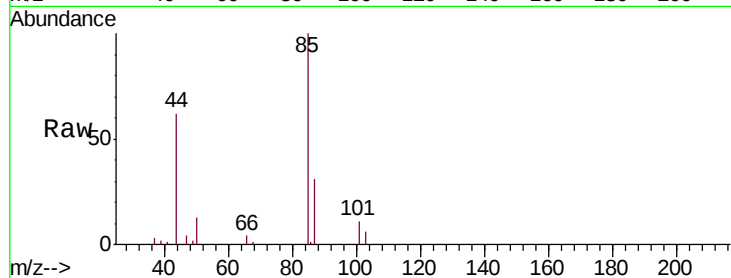
VSTD00167

Tgt Ion: 85 Resp: 9638

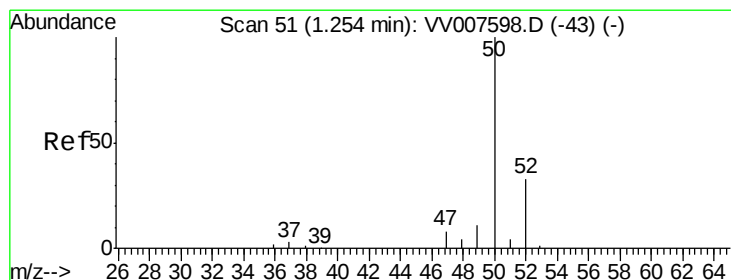
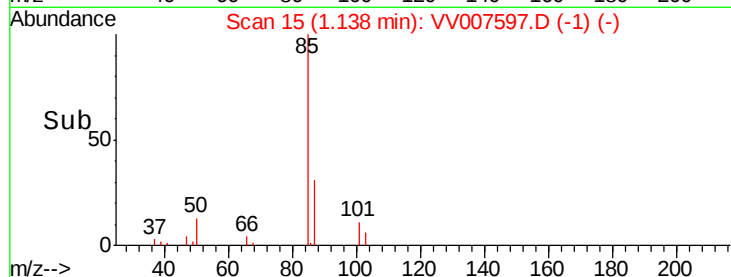
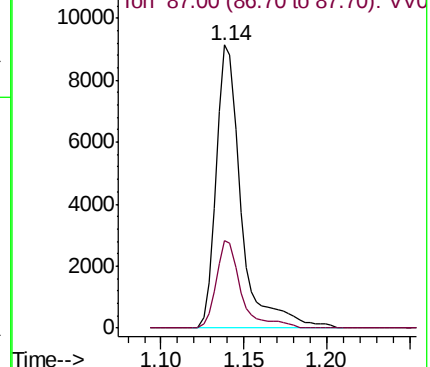
Ion Ratio Lower Upper

85 100

87 30.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV007598.D (-7) (-)



#3

Chloromethane

Concen: 1.232 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007597.D

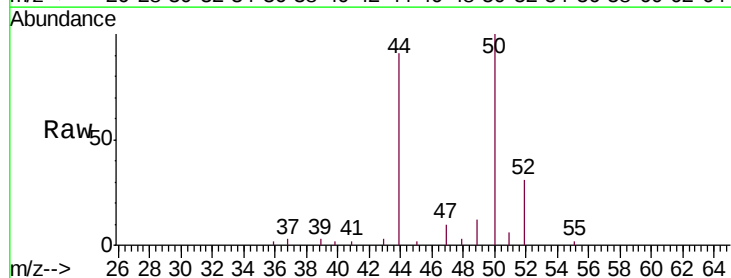
Acq: 18 Sep 2018 11:41

Tgt Ion: 50 Resp: 7367

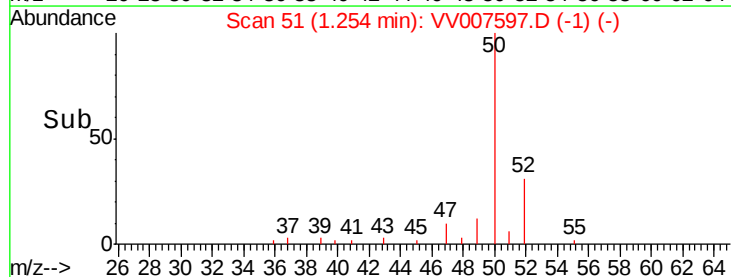
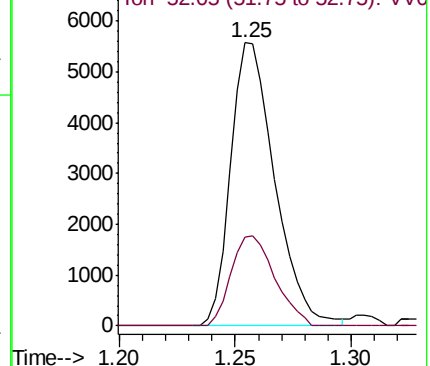
Ion Ratio Lower Upper

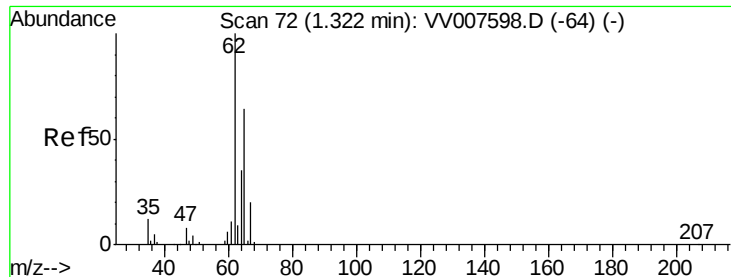
50 100

52 31.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV007598.D (-43) (-)





#5

Vinyl chloride

Concen: 1.240 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

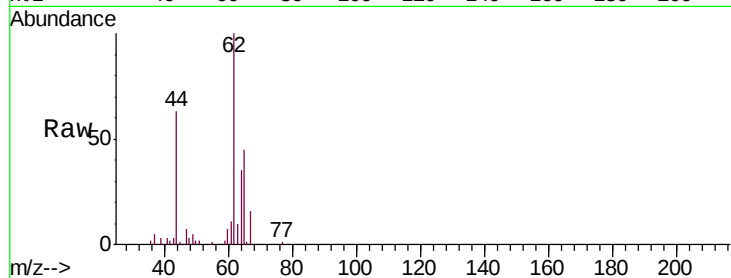
VSTD00167

Tgt Ion: 62 Resp: 8267

Ion Ratio Lower Upper

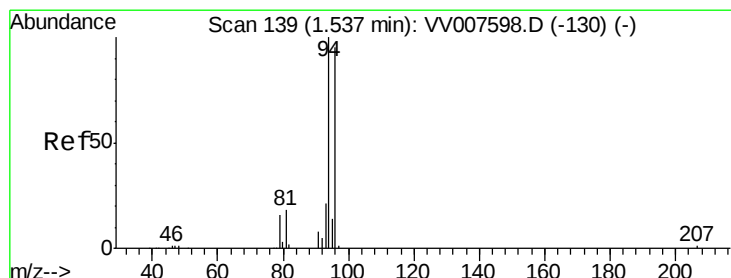
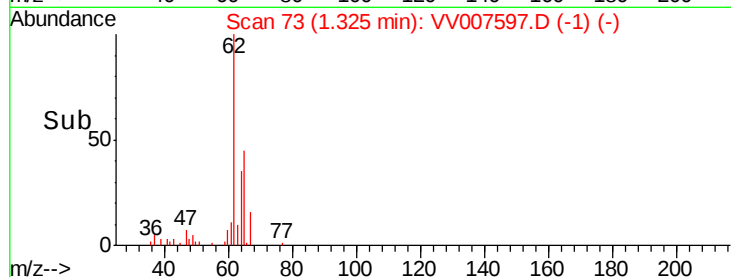
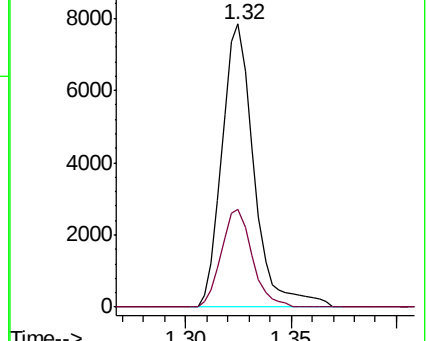
62 100

64 34.7 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007598.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007598.D (-64) (-)



#6

Bromomethane

Concen: 1.221 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007597.D

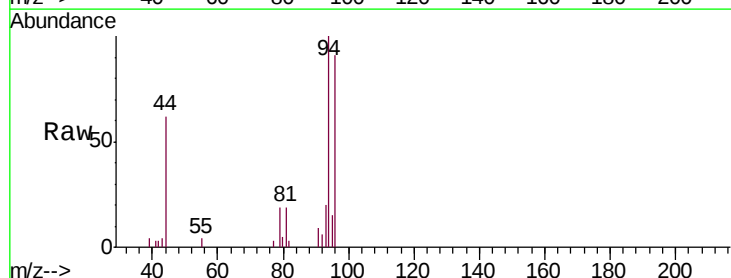
Acq: 18 Sep 2018 11:41

Tgt Ion: 94 Resp: 5813

Ion Ratio Lower Upper

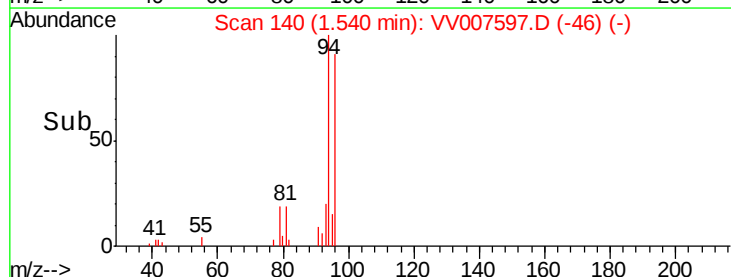
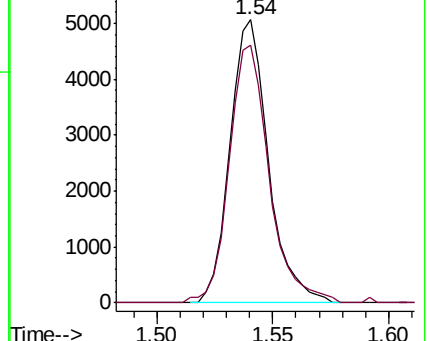
94 100

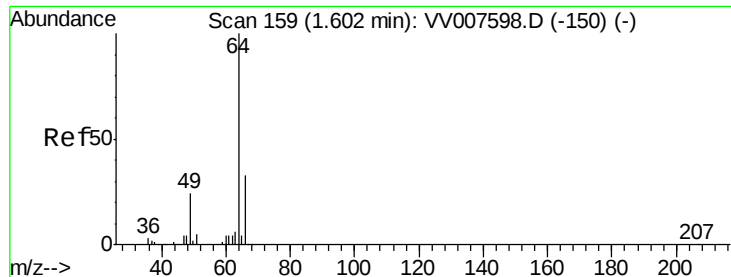
96 91.1 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007598.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007598.D (-130) (-)





#8

Chloroethane

Concen: 1.168 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

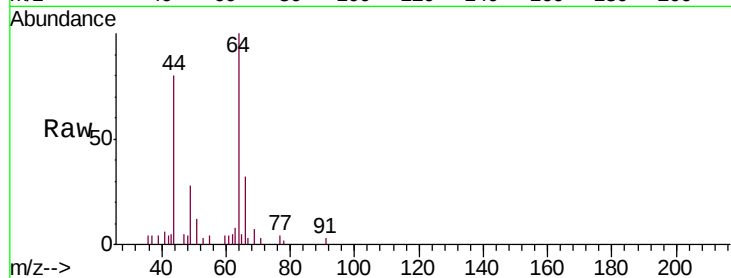
VSTD00167

Tgt Ion: 64 Resp: 4772

Ion Ratio Lower Upper

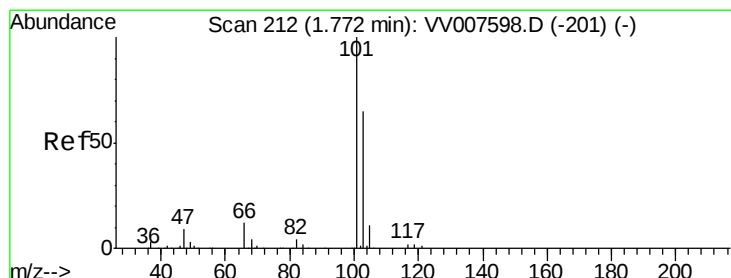
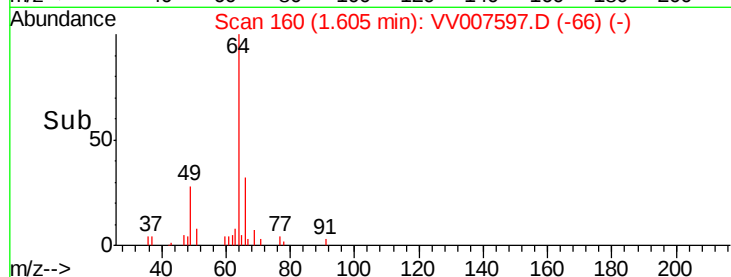
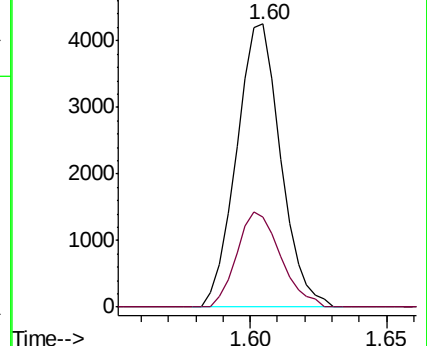
64 100

66 31.8 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV007598.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007597.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 1.187 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007597.D

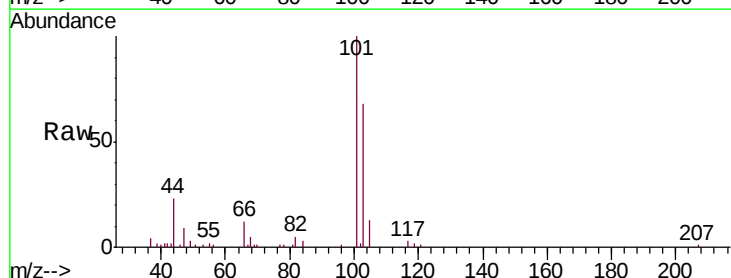
Acq: 18 Sep 2018 11:41

Tgt Ion: 101 Resp: 15663

Ion Ratio Lower Upper

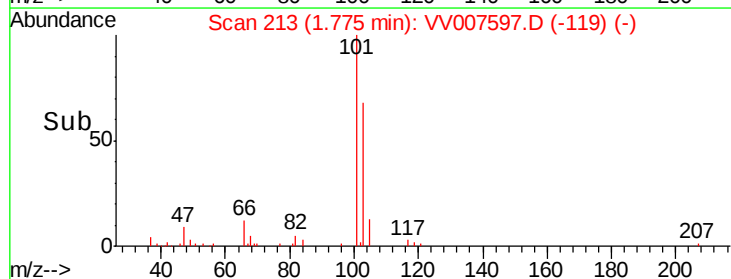
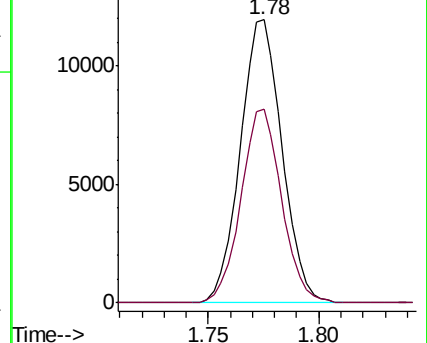
101 100

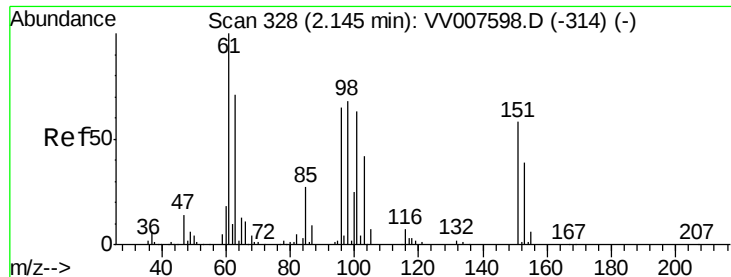
103 66.8 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV007598.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV007597.D (-119) (-)





#10

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

Concen: 1.191 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

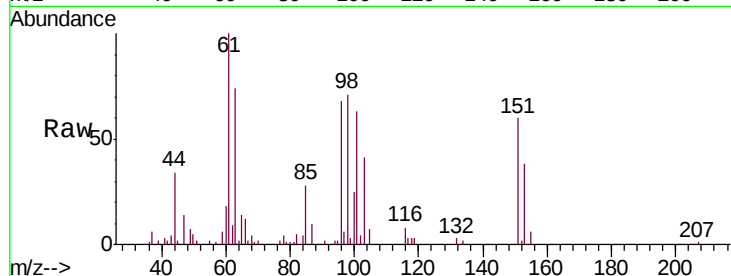
Tgt Ion: 101 Resp: 8612

Ion Ratio Lower Upper

101 100

85 45.5 34.4 51.6

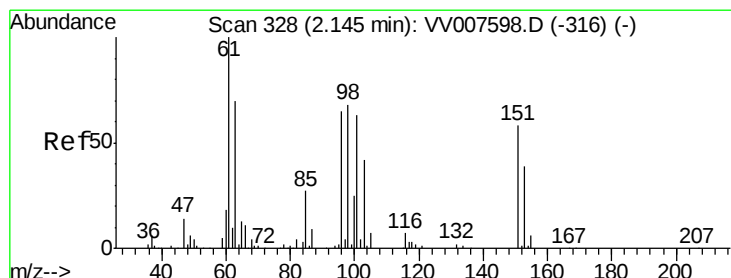
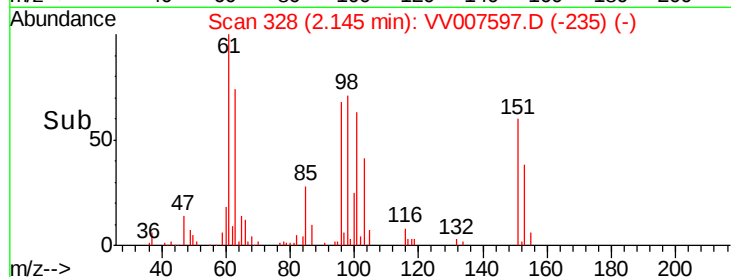
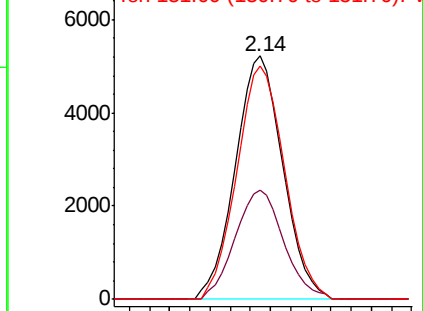
151 96.5 74.1 111.1



Abundance Ion 101.00 (100.70 to 101.70): VV007598.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007598.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007598.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 1.251 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

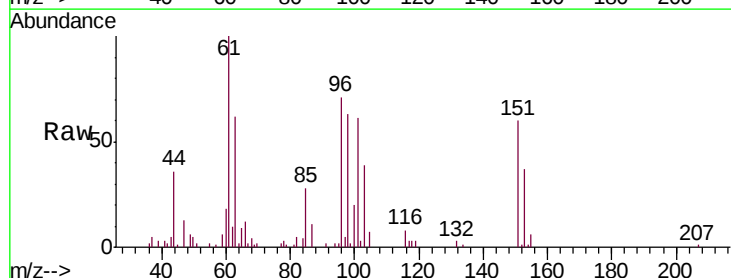
Tgt Ion: 96 Resp: 8151

Ion Ratio Lower Upper

96 100

61 140.6 108.1 200.9

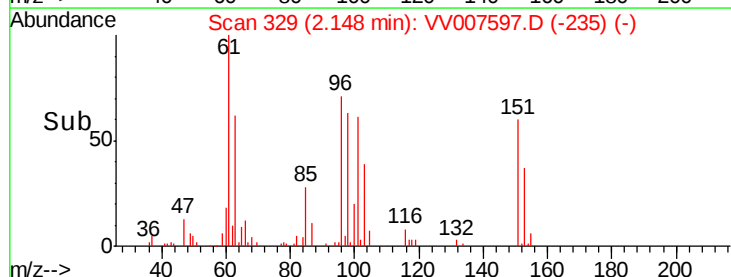
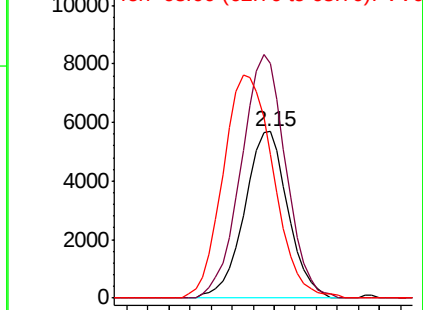
63 86.5 76.9 142.9

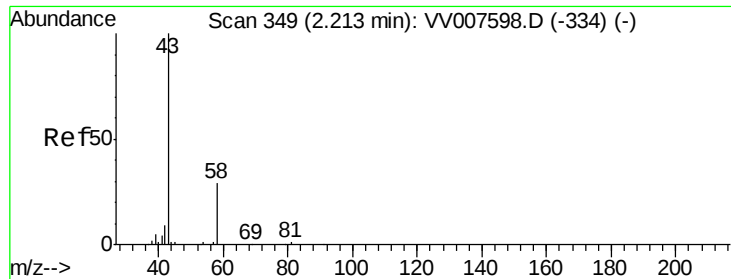


Abundance Ion 96.00 (95.70 to 96.70): VV007597.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV007597.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV007597.D (-235) (-)





#13

Acetone

Concen: 11.480 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

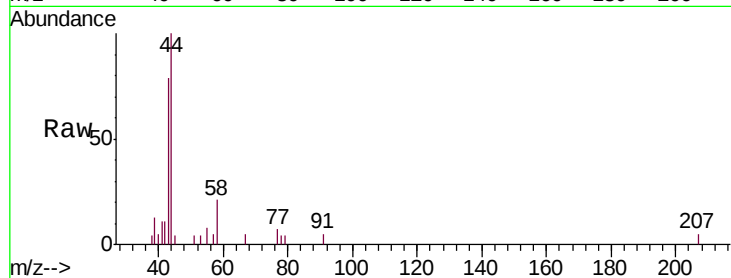
VSTD00167

Tgt Ion: 43 Resp: 6758

Ion Ratio Lower Upper

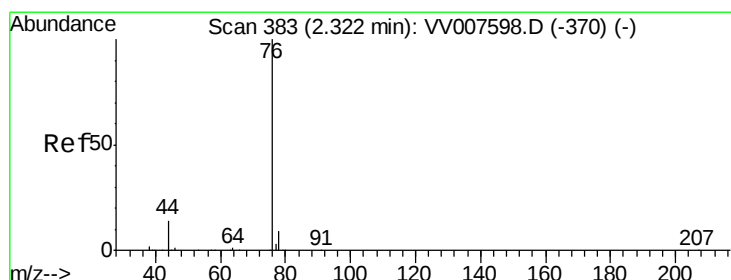
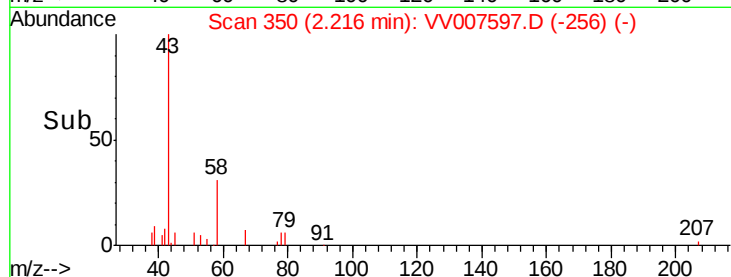
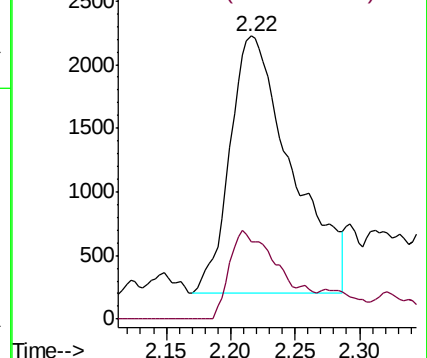
43 100

58 25.8 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 1.232 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007597.D

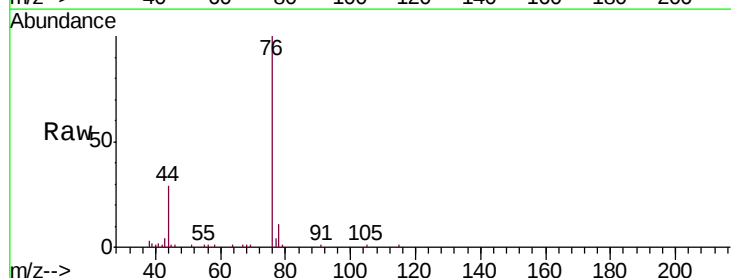
Acq: 18 Sep 2018 11:41

Tgt Ion: 76 Resp: 23323

Ion Ratio Lower Upper

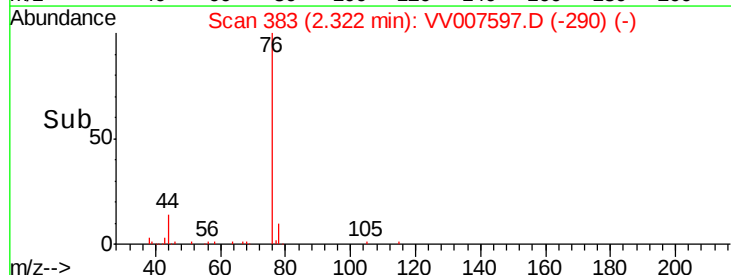
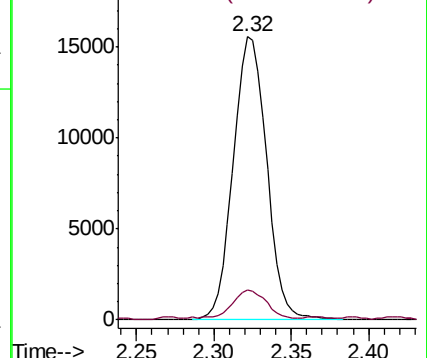
76 100

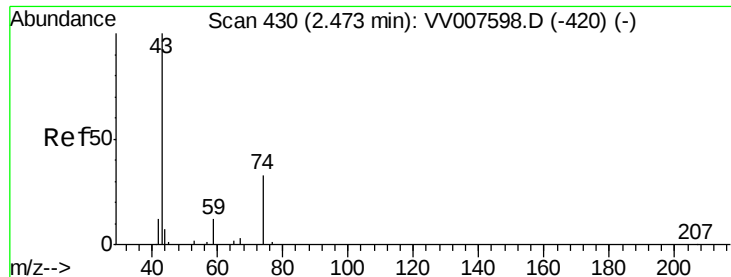
78 10.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

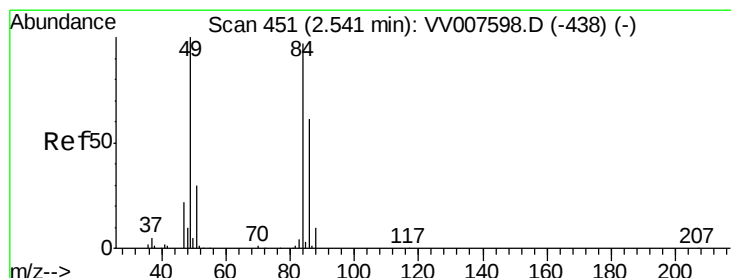
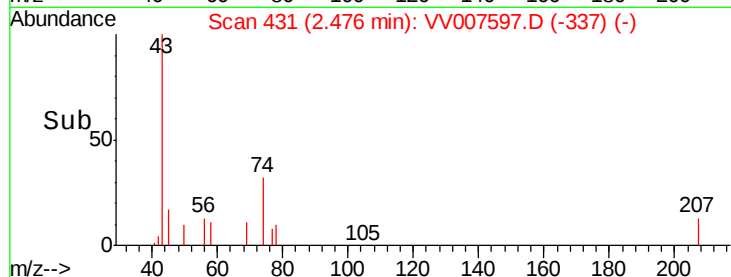
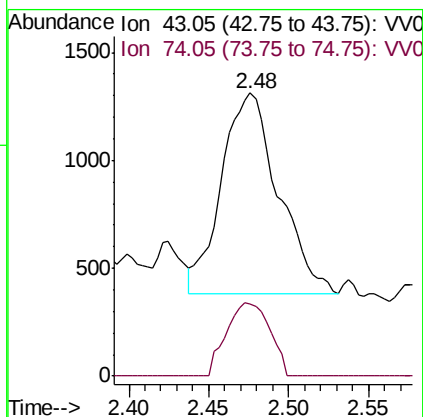
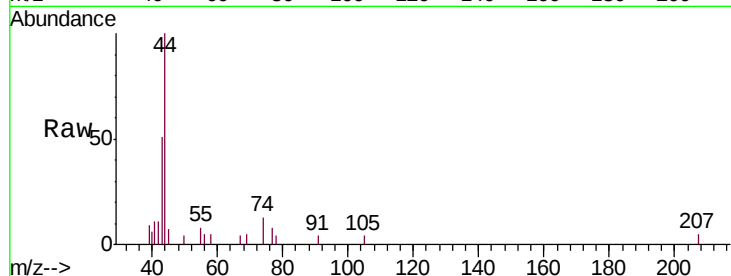




#15
Methyl Acetate
Concen: 1.342 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

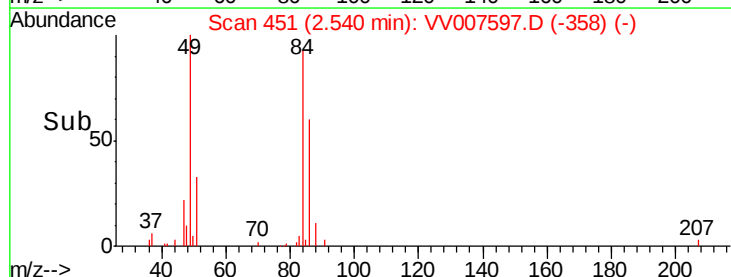
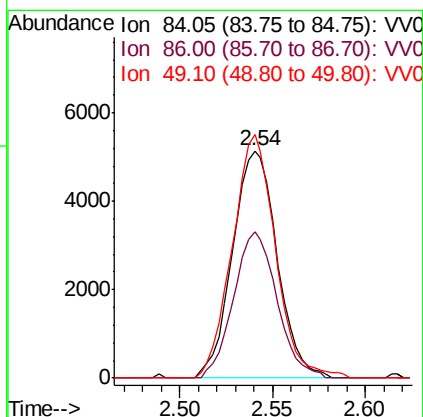
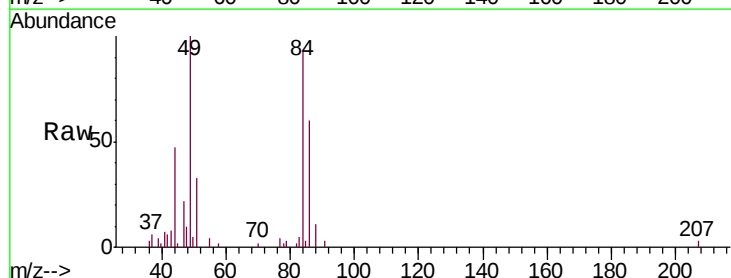
Instrument :
MSVOA_V
ClientSampled :
VSTD00167

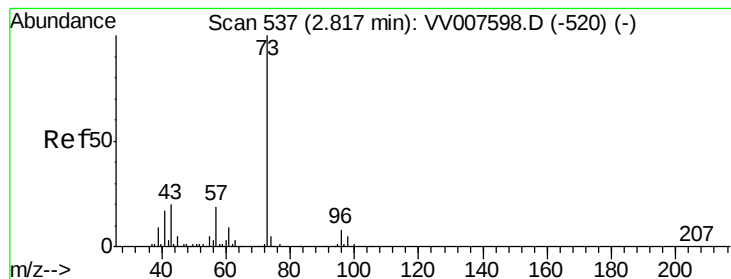
Tgt Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
74 27.7 20.6 31.0



#16
Methylene chloride
Concen: 1.226 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

Tgt Ion: 84 Resp: 8574
Ion Ratio Lower Upper
84 100
86 64.3 44.4 82.4
49 107.0 72.3 134.3





#17

Methyl tert-butyl Ether

Concen: 1.178 ug/L

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

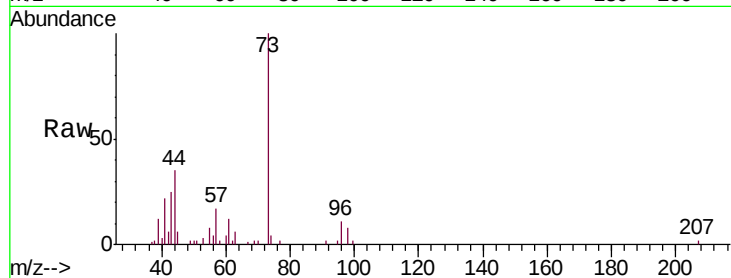
Tgt Ion: 73 Resp: 17955

Ion Ratio Lower Upper

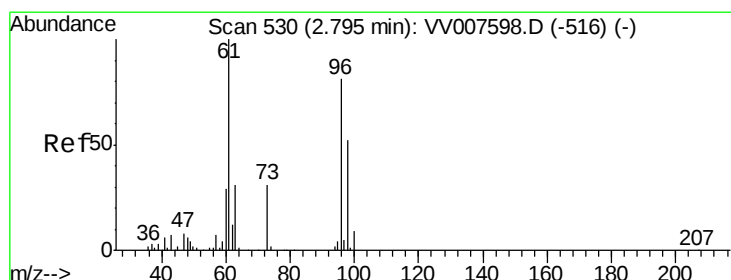
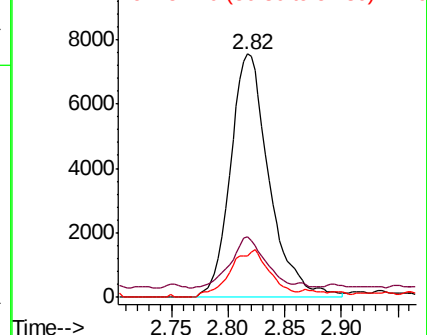
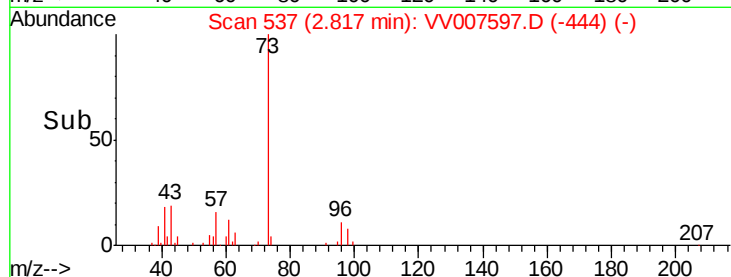
73 100

43 18.7 16.2 24.2

57 20.4 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV007597.D (-444) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.221 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

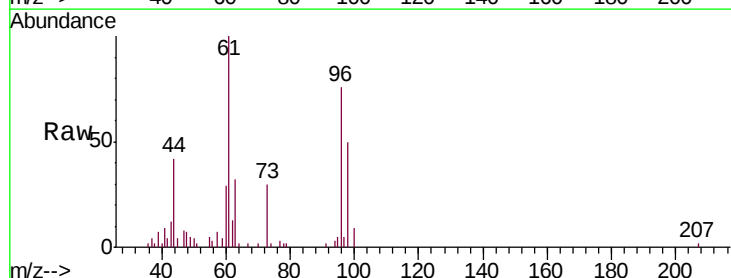
Tgt Ion: 96 Resp: 8565

Ion Ratio Lower Upper

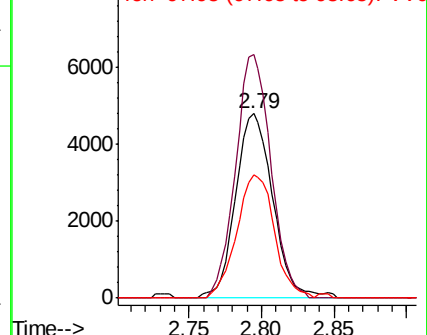
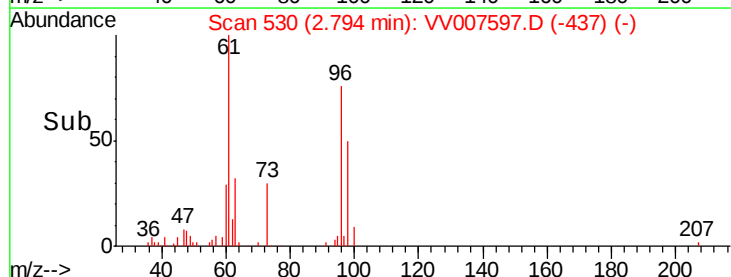
96 100

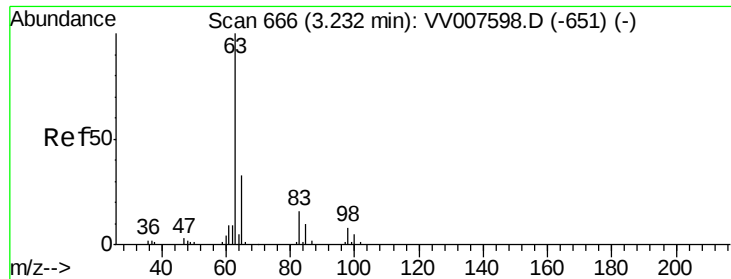
61 132.0 86.0 159.6

98 66.6 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV007597.D (-437) (-)

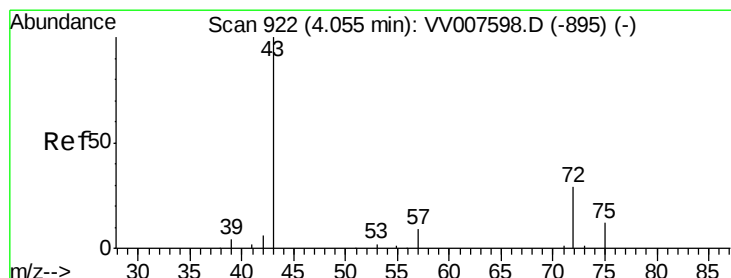
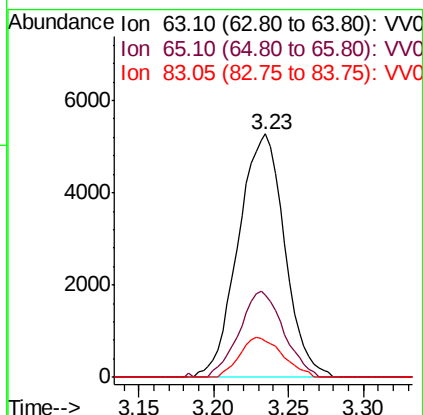
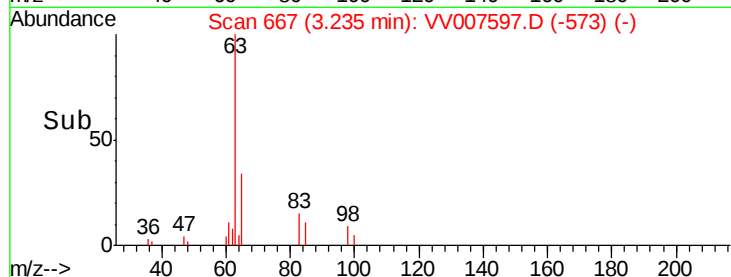
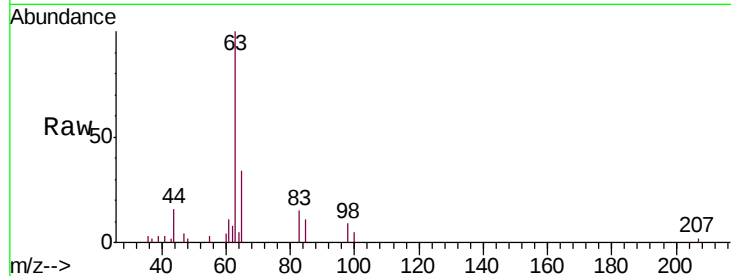




#19
 1,1-Dichloroethane
 Concen: 1.127 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

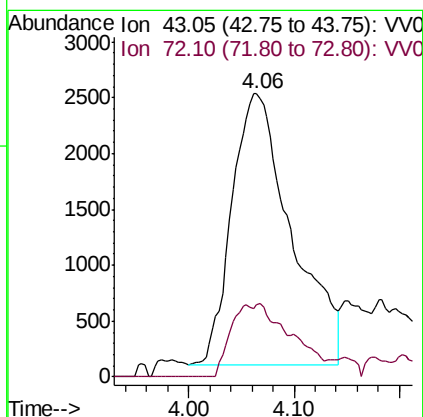
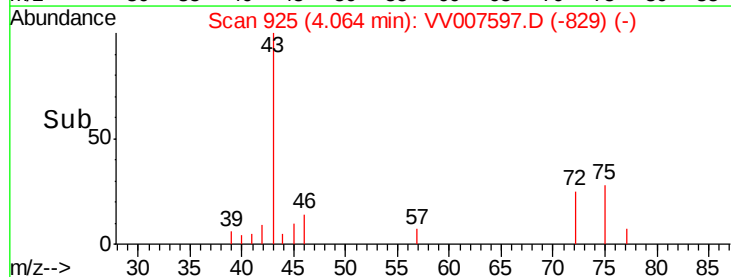
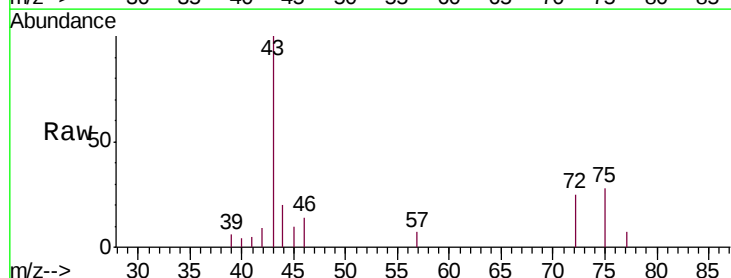
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

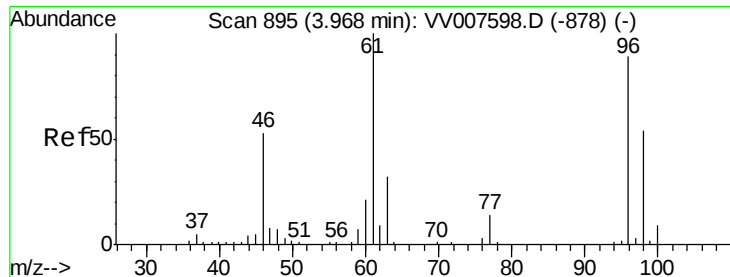
Tgt Ion: 63 Resp: 11369
 Ion Ratio Lower Upper
 63 100
 65 34.0 23.0 42.8
 83 14.8 11.3 20.9



#21
 2-Butanone
 Concen: 9.828 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 43 Resp: 9567
 Ion Ratio Lower Upper
 43 100
 72 10.4 13.4 40.2#



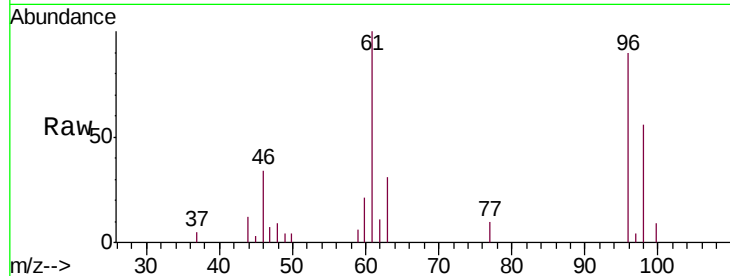


#22

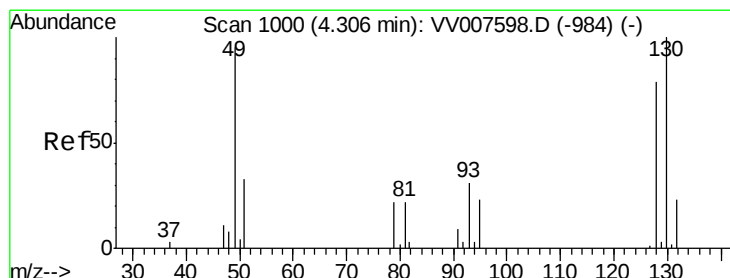
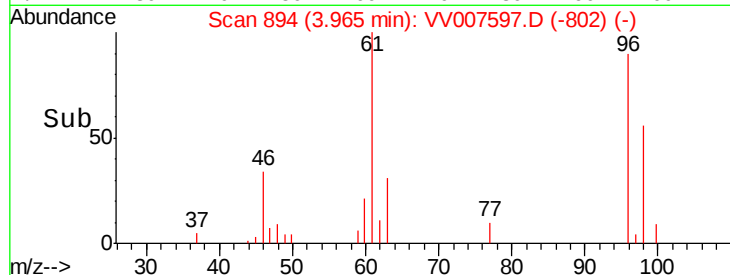
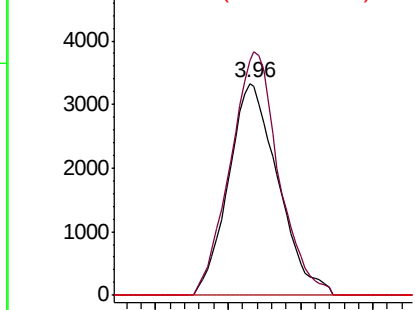
cis-1,2-Dichloroethene
 Concen: 1.155 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

Tgt Ion: 96 Resp: 7893
 Ion Ratio Lower Upper
 96 100
 61 110.6 78.4 145.6
 68 0.0 0.0 0.0



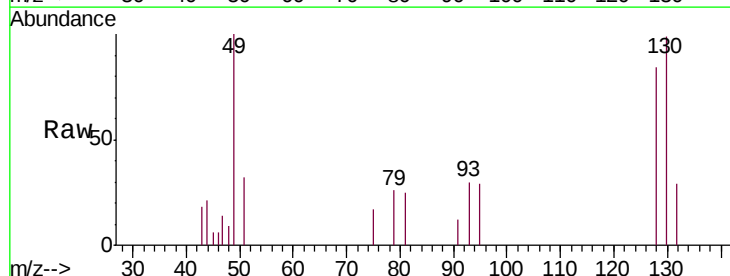
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



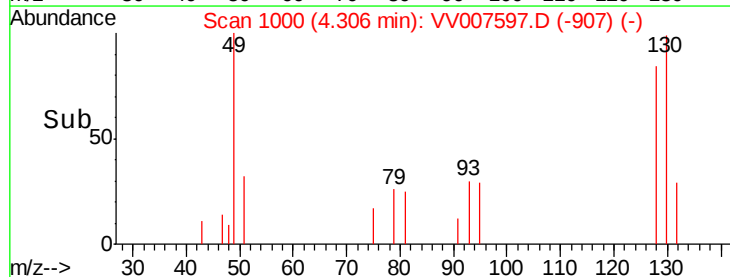
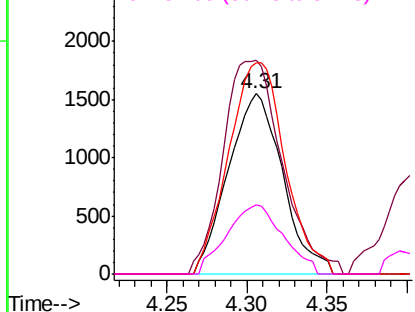
#23

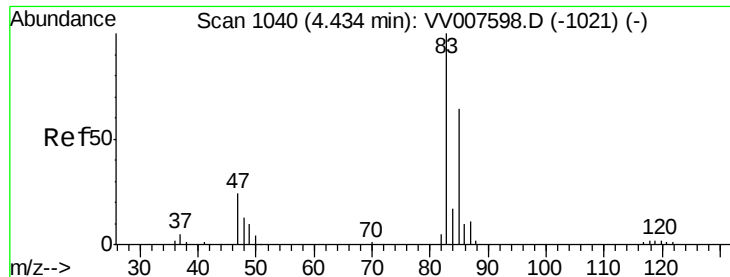
Bromochloromethane
 Concen: 1.203 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 128 Resp: 3617
 Ion Ratio Lower Upper
 128 100
 49 118.6 84.1 156.3
 130 117.4 88.9 165.1
 51 38.5 33.6 50.4



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

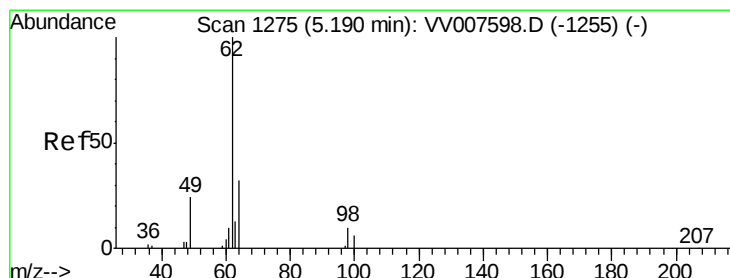
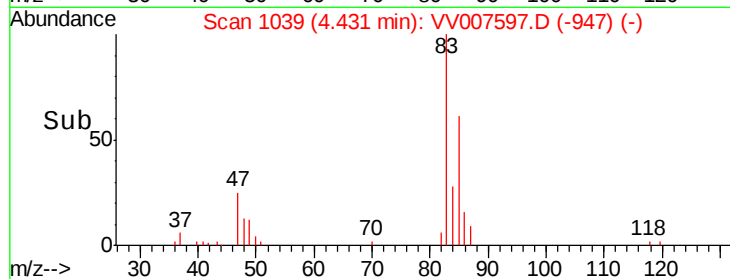
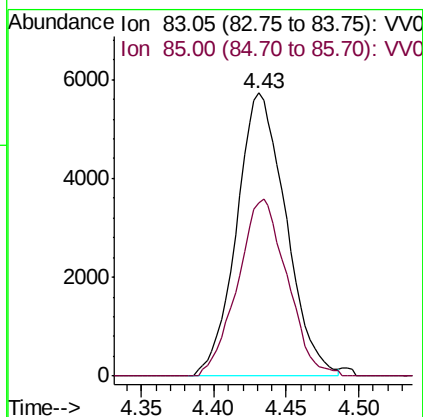
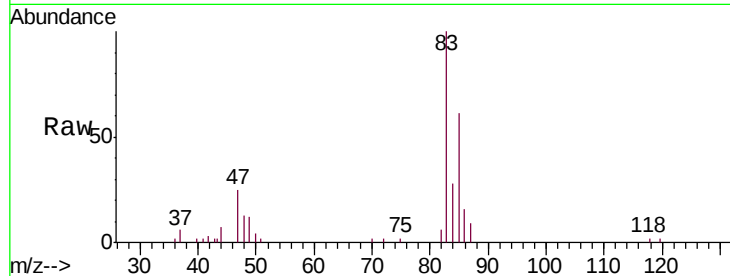




#25
 Chloroform
 Concen: 1.174 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

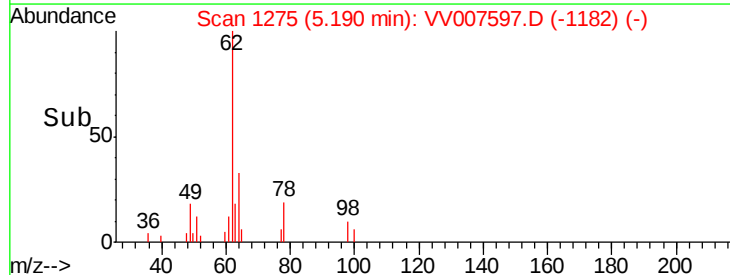
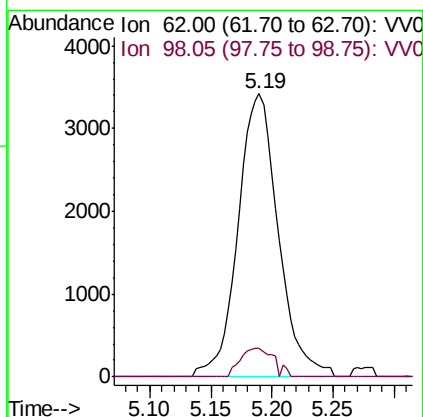
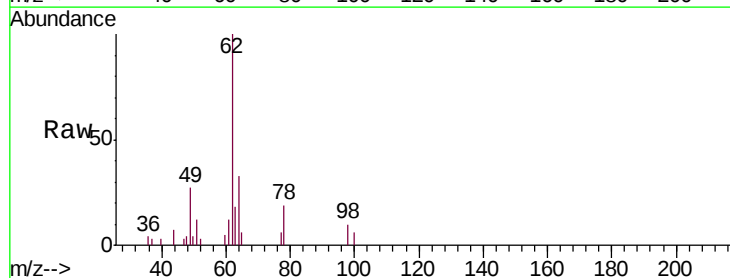
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00167

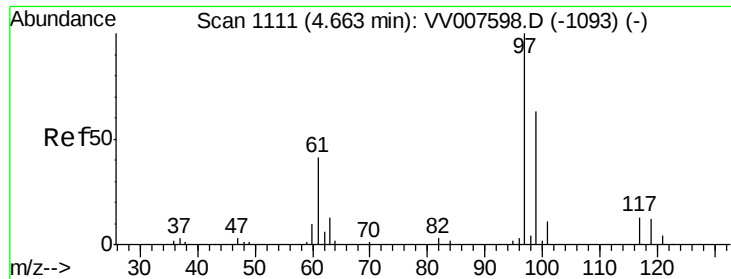
Tgt Ion: 83 Resp: 13551
 Ion Ratio Lower Upper
 83 100
 85 61.4 44.5 82.7



#27
 1,2-Dichloroethane
 Concen: 1.183 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 62 Resp: 7800
 Ion Ratio Lower Upper
 62 100
 98 10.1 7.6 11.4

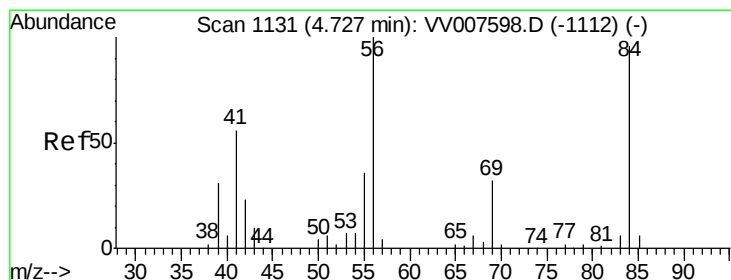
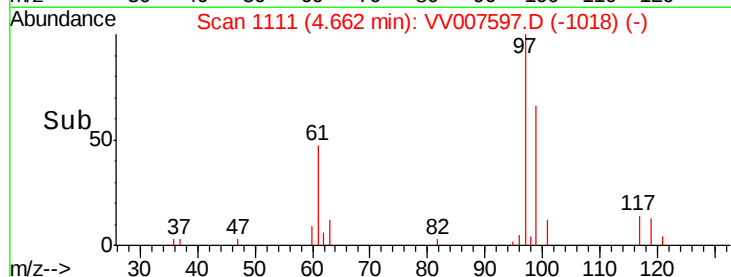
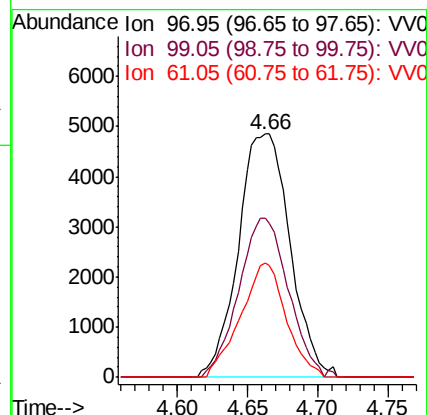
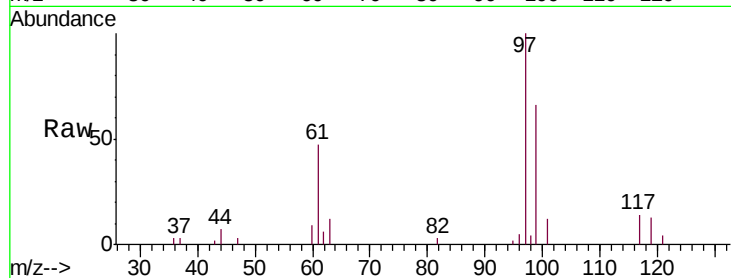




#29
 1,1,1-Trichloroethane
 Concen: 1.096 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

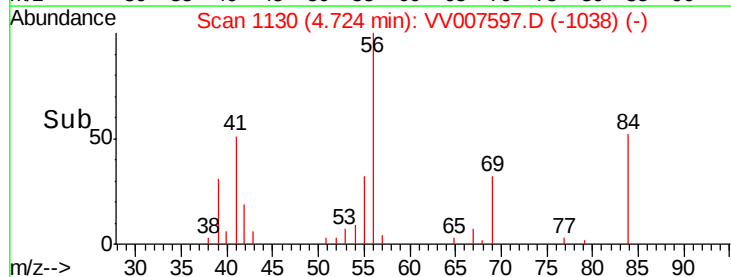
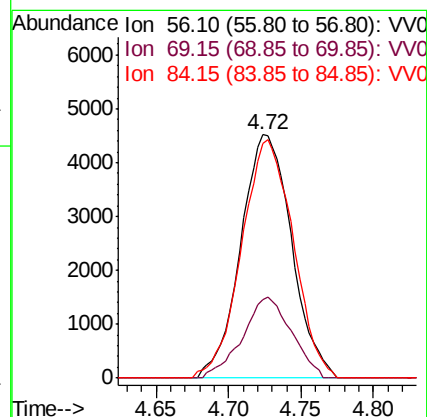
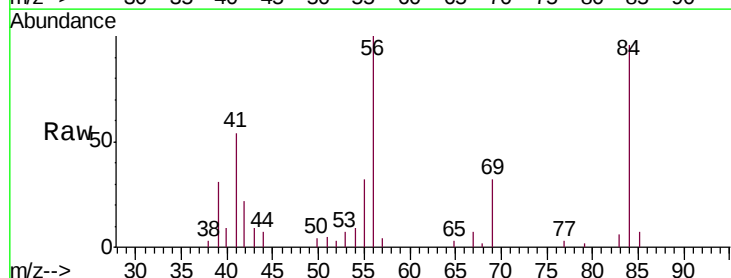
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

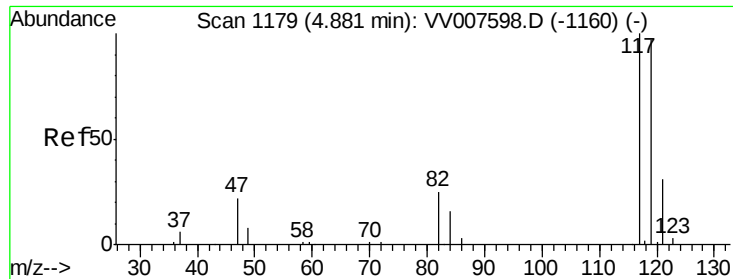
Tgt Ion: 97 Resp: 12443
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.4 77.0
 61 41.4 32.9 49.3



#30
 Cyclohexane
 Concen: 1.117 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 56 Resp: 11012
 Ion Ratio Lower Upper
 56 100
 69 31.9 26.1 39.1
 84 99.2 79.1 118.7





#31

Carbon tetrachloride

Concen: 1.048 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

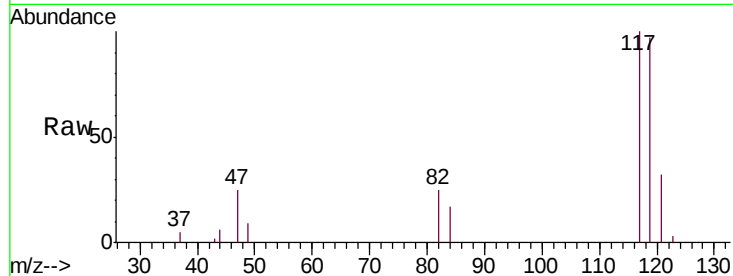
VSTD00167

Tgt Ion:117 Resp: 11164

Ion Ratio Lower Upper

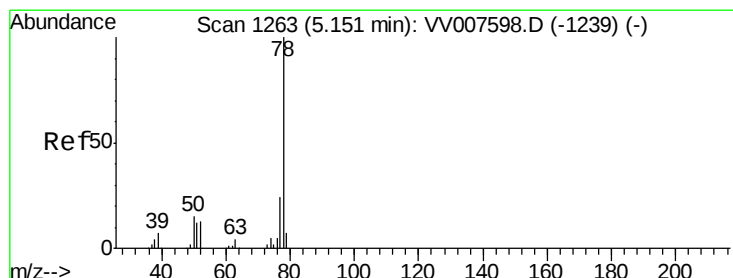
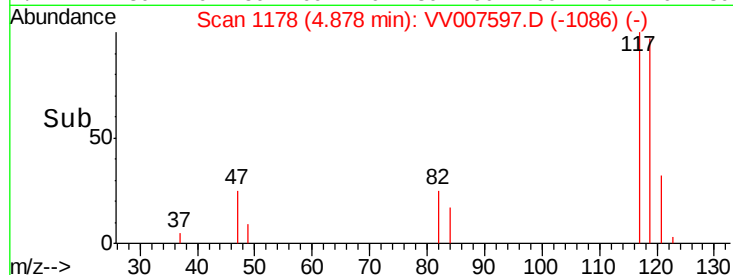
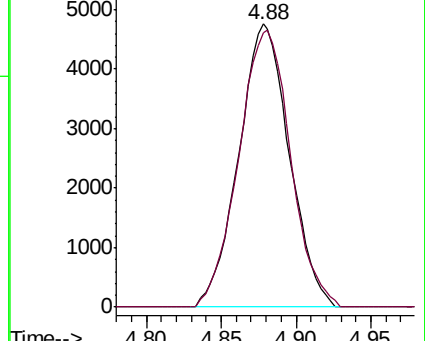
117 100

119 100.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.133 ug/L

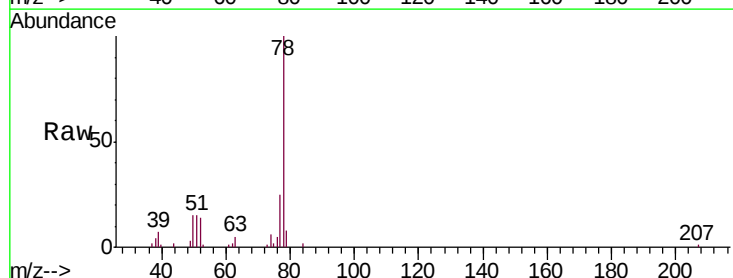
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

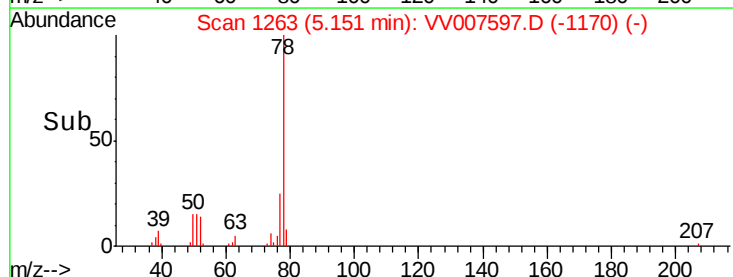
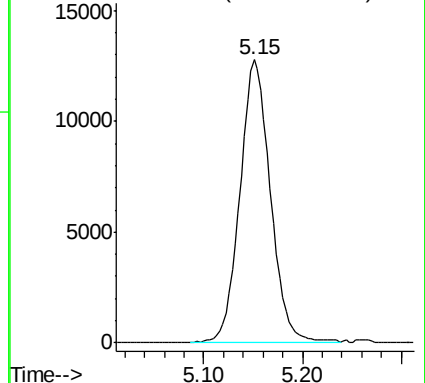
Lab File: VV007597.D

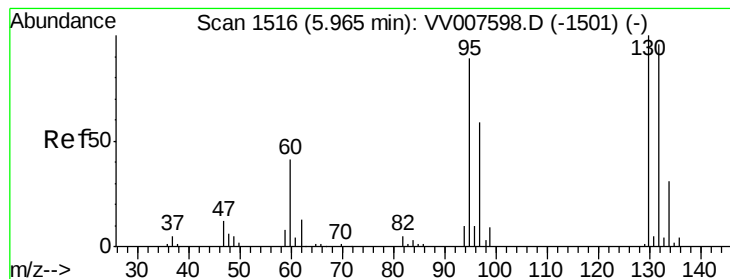
Acq: 18 Sep 2018 11:41

Tgt Ion: 78 Resp: 27397



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.280 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

Tgt Ion: 95 Resp: 9581

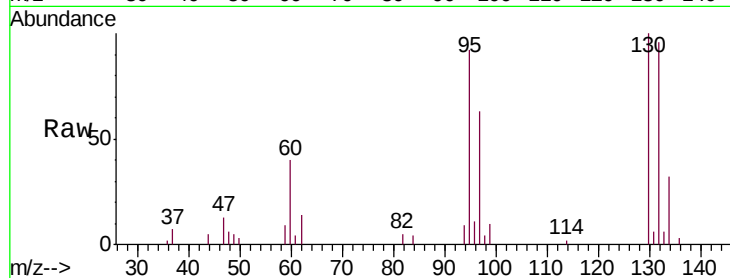
Ion Ratio Lower Upper

95 100

97 68.0 46.5 86.5

132 103.8 75.5 140.3

130 108.3 78.8 146.4

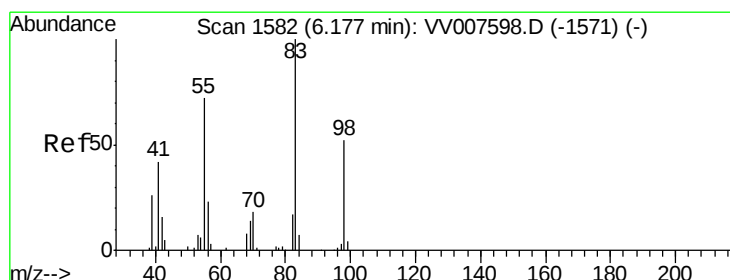
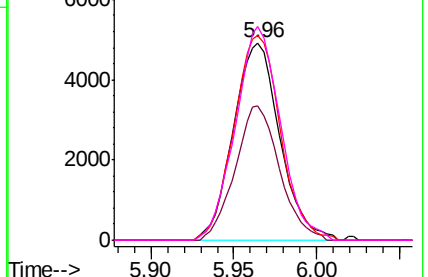
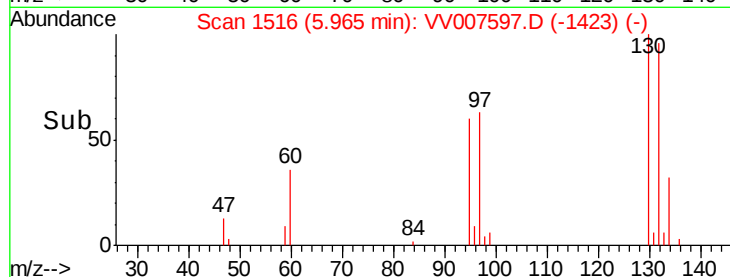


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.130 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

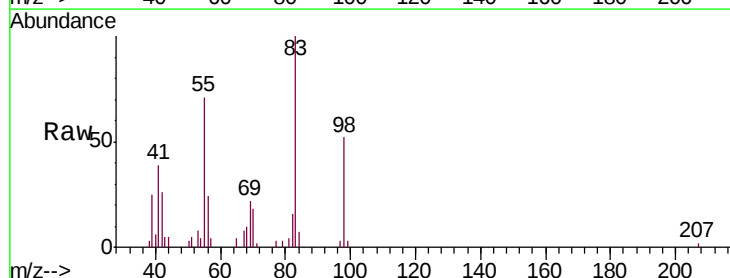
Tgt Ion: 83 Resp: 12967

Ion Ratio Lower Upper

83 100

55 71.2 54.6 82.0

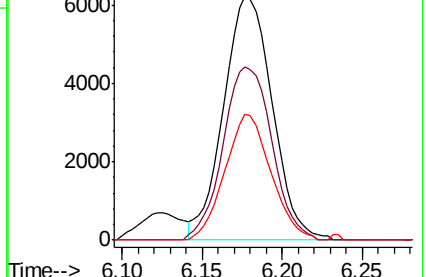
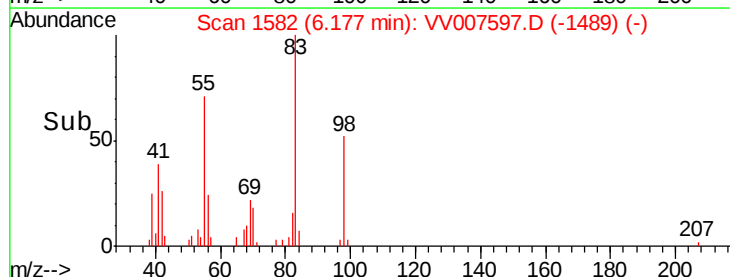
98 48.7 39.8 59.6

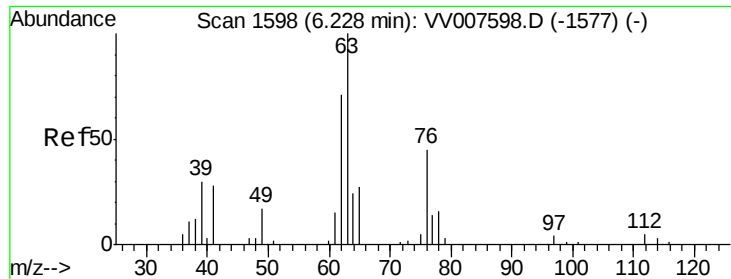


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

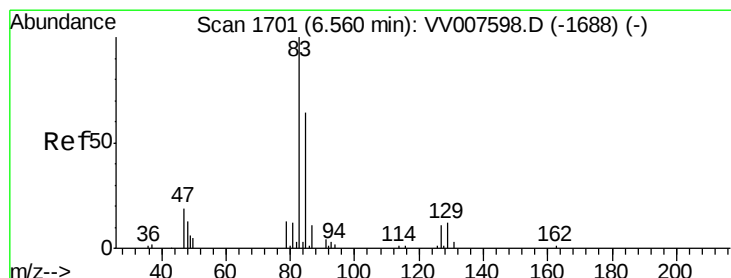
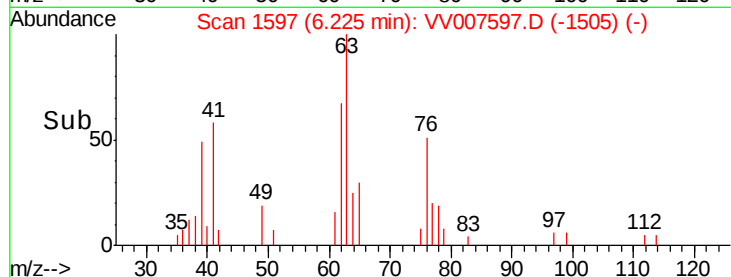
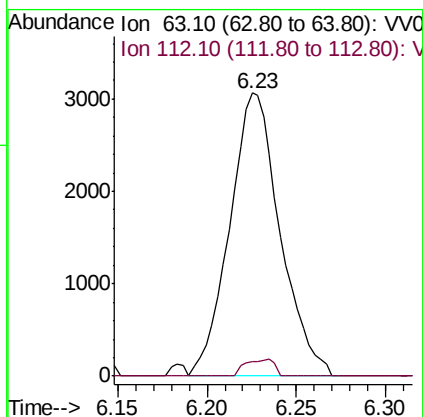
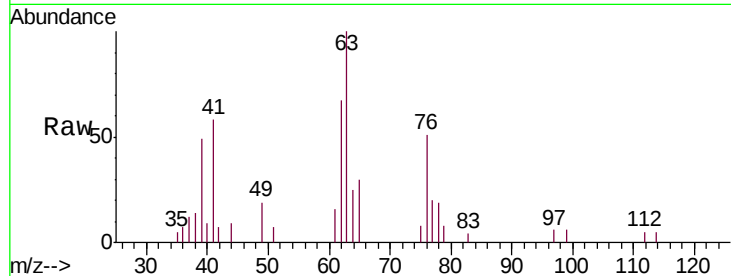




#37
 1,2-Dichloropropane
 Concen: 1.022 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

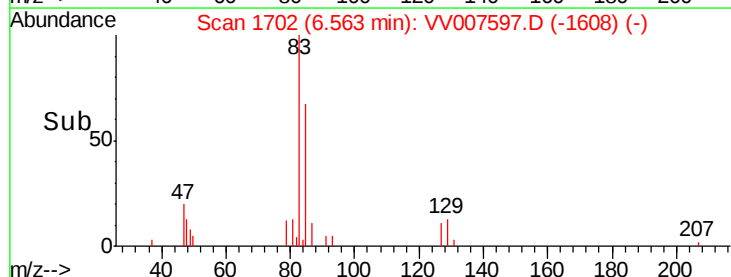
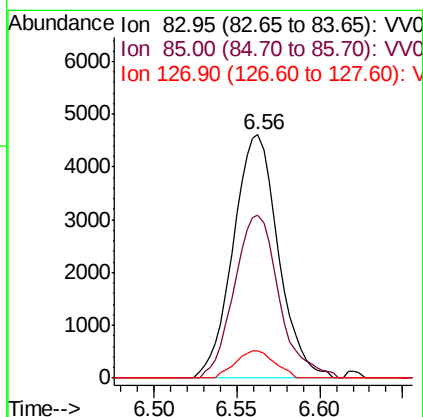
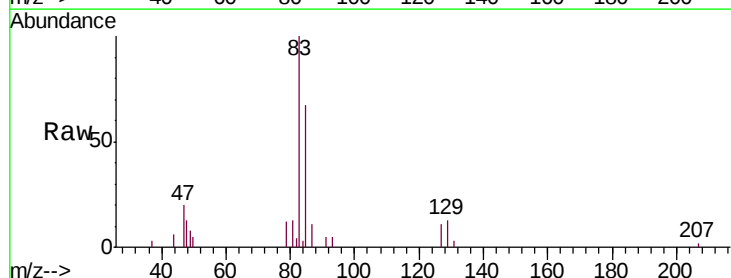
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

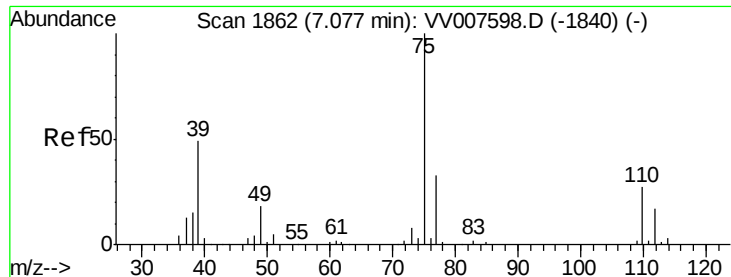
Tgt Ion: 63 Resp: 6034
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 1.023 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 83 Resp: 8701
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.7 83.1
 127 11.3 8.6 12.8

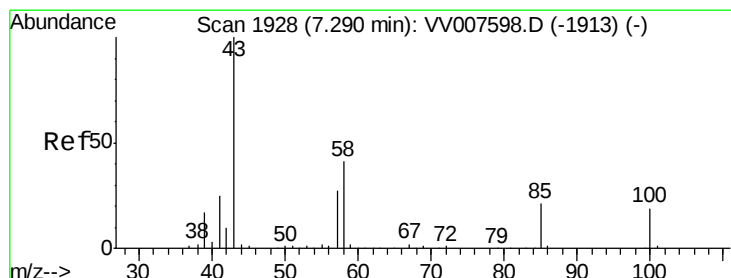
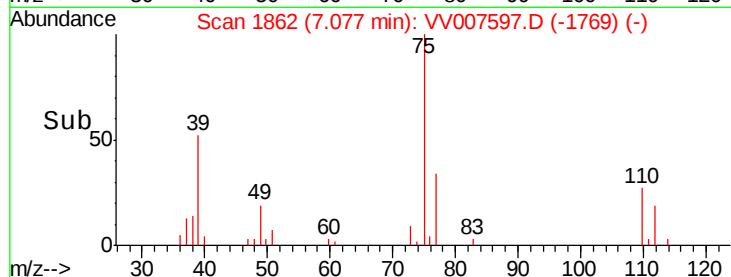
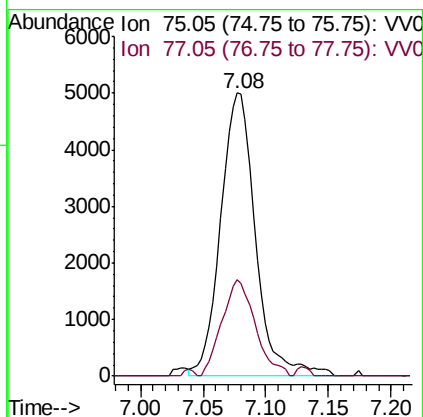
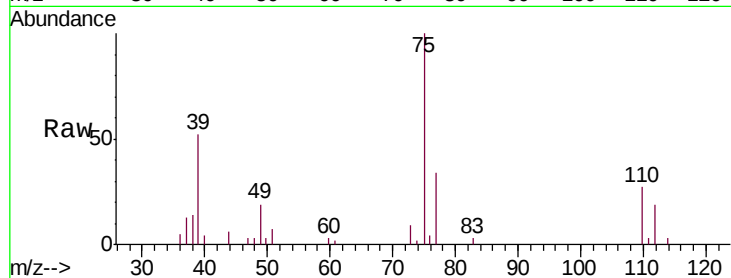




#39
 cis-1,3-Dichloropropene
 Concen: 1.029 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

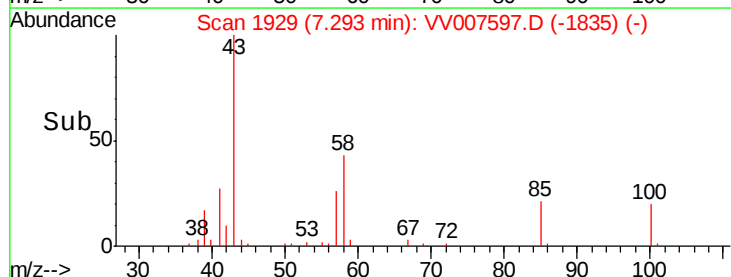
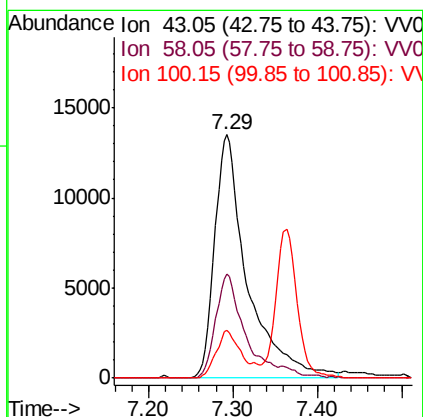
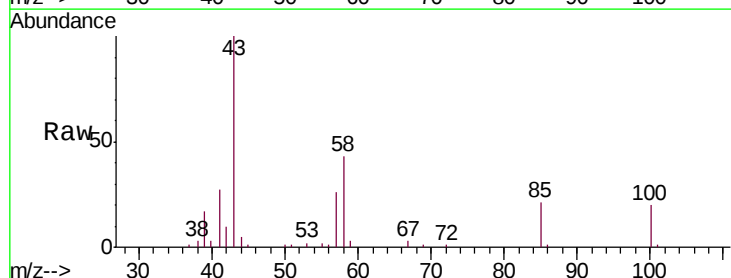
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00167

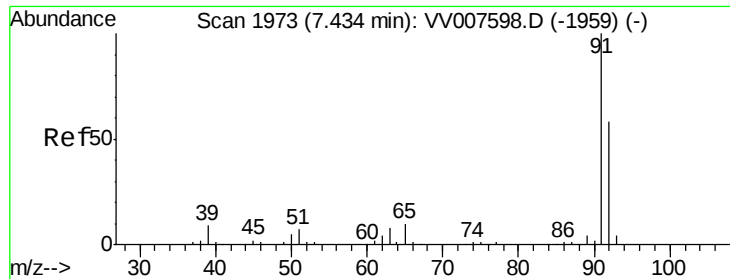
Tgt Ion: 75 Resp: 9629
 Ion Ratio Lower Upper
 75 100
 77 34.3 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 11.294 ug/L
 RT: 7.29 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 43 Resp: 36490
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.6 49.0
 100 15.5 13.1 19.7





#42

Toluene

Concen: 1.089 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

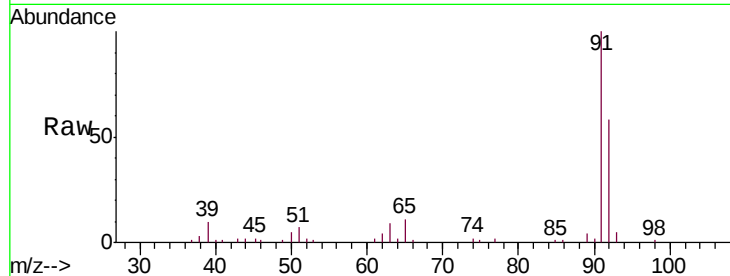
VSTD00167

Tgt Ion: 91 Resp: 30371

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007597.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007597.D (-1959) (-)

7.43

20000

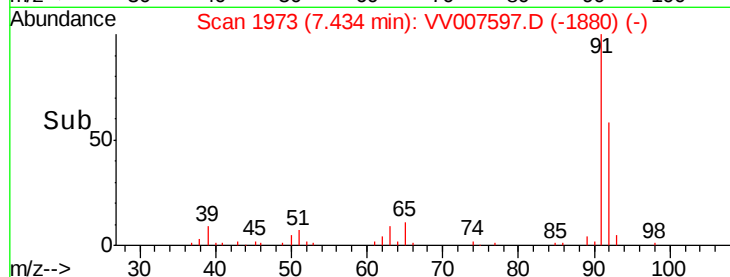
15000

10000

5000

0

Time-->



Abundance Ion 91.15 (90.85 to 91.85): VV007597.D (-1880) (-)

Ion 92.15 (91.85 to 92.85): VV007597.D (-1880) (-)

7.43

20000

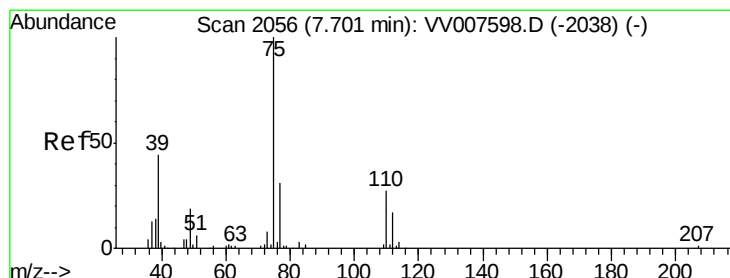
15000

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.031 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007597.D

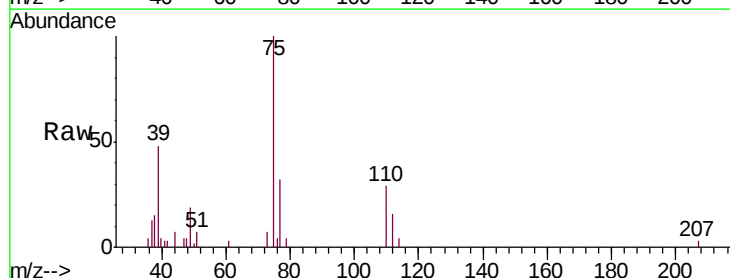
Acq: 18 Sep 2018 11:41

Tgt Ion: 75 Resp: 7915

Ion Ratio Lower Upper

75 100

77 32.3 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007597.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007597.D (-2038) (-)

7.70

5000

4000

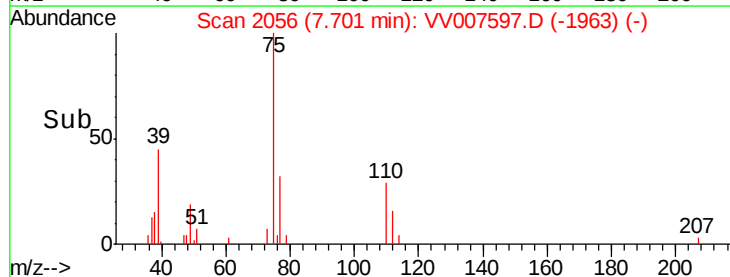
3000

2000

1000

0

Time-->



Abundance Ion 75.05 (74.75 to 75.75): VV007597.D (-1963) (-)

Ion 77.05 (76.75 to 77.75): VV007597.D (-1963) (-)

7.70

5000

4000

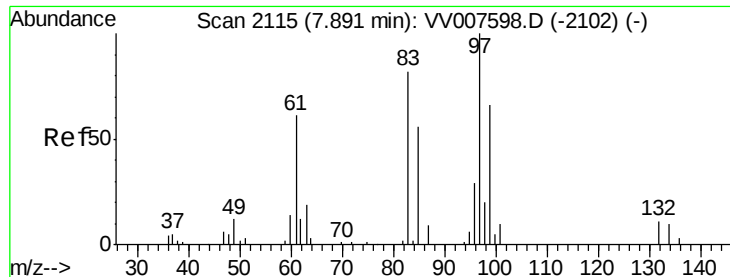
3000

2000

1000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.159 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

Tgt Ion: 97 Resp: 5137

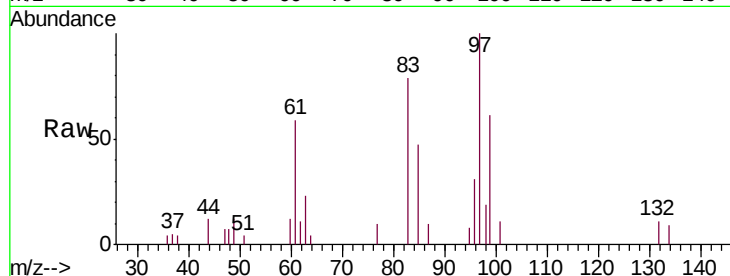
Ion Ratio Lower Upper

97 100

99 60.8 45.9 85.3

83 79.4 57.2 106.2

85 47.2 38.9 72.3

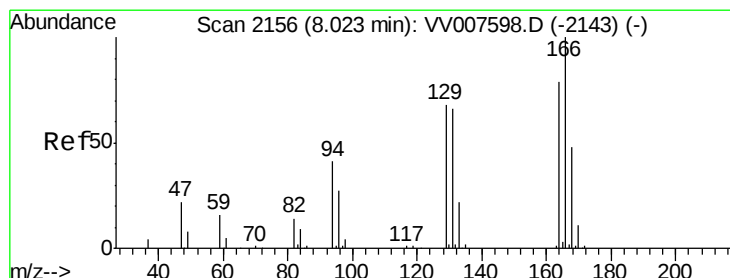
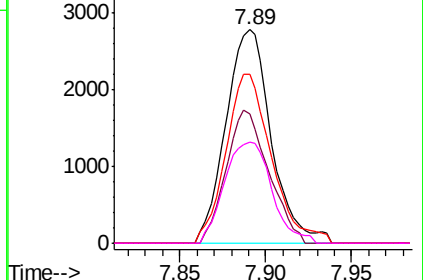
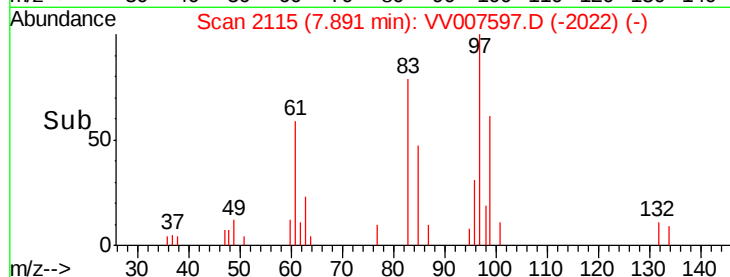


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 1.204 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Tgt Ion: 164 Resp: 8112

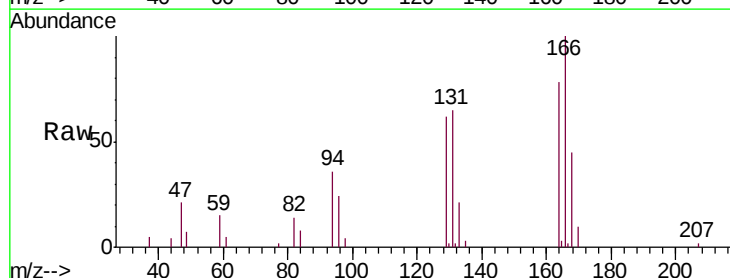
Ion Ratio Lower Upper

164 100

129 80.4 60.0 111.4

131 84.0 58.8 109.2

166 128.9 88.5 164.4

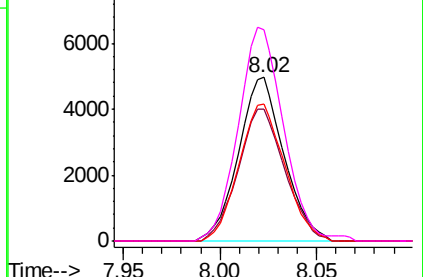
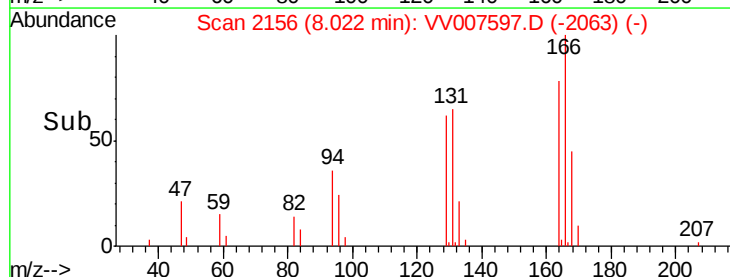


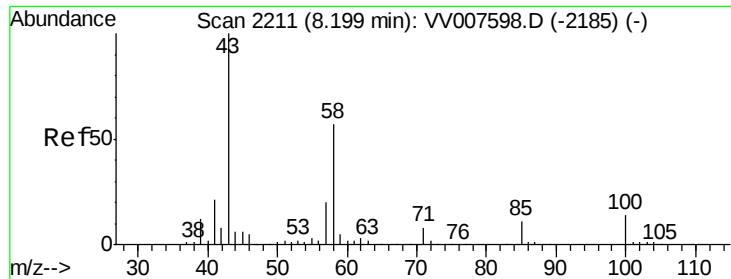
Abundance Ion 163.90 (163.60 to 164.60): V

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

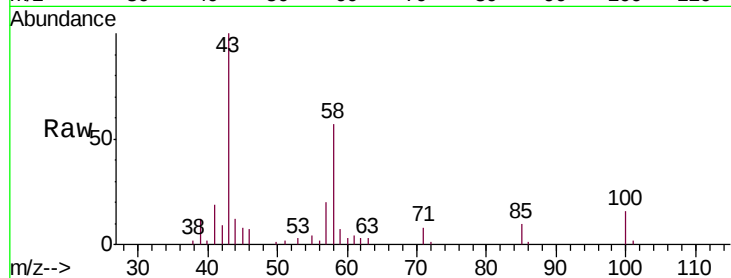




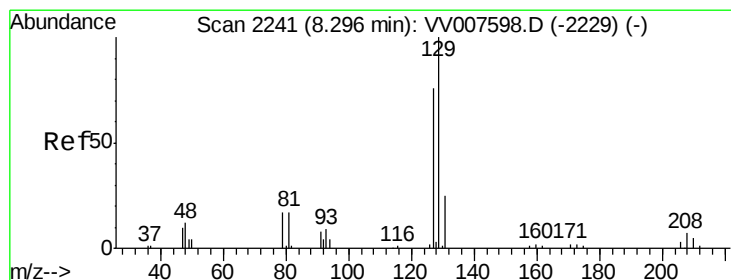
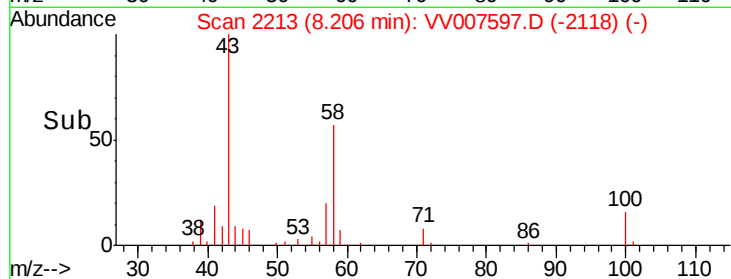
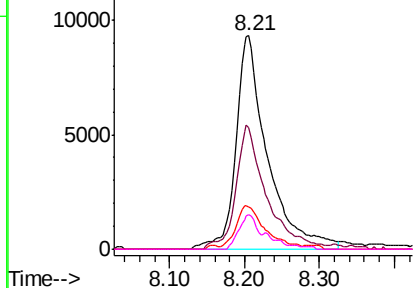
#48
2-Hexanone
Concen: 10.944 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.01 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00167

Tgt Ion: 43 Resp: 27331
Ion Ratio Lower Upper
43 100
58 56.2 45.5 68.3
57 19.1 16.3 24.5
100 12.7 10.7 16.1

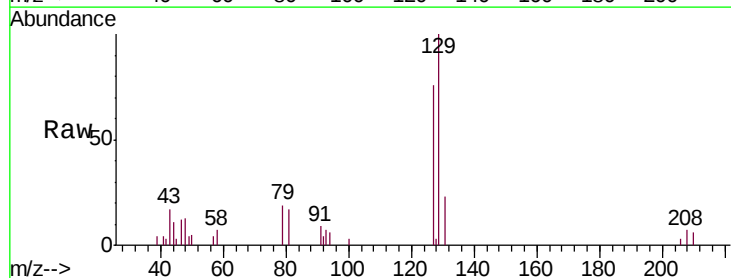


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

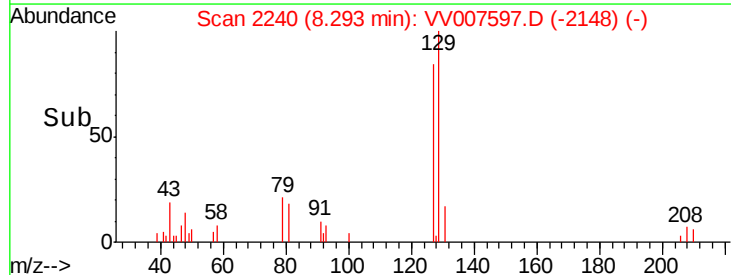
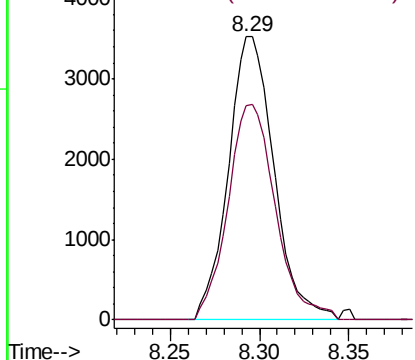


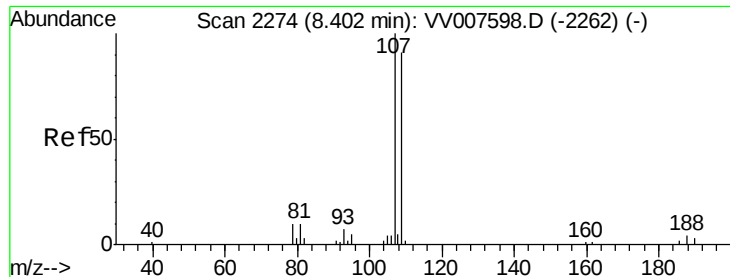
#49
Dibromochloromethane
Concen: 1.008 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

Tgt Ion: 129 Resp: 6280
Ion Ratio Lower Upper
129 100
127 75.5 53.3 98.9



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

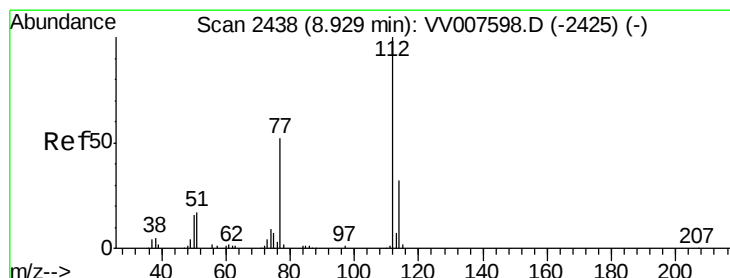
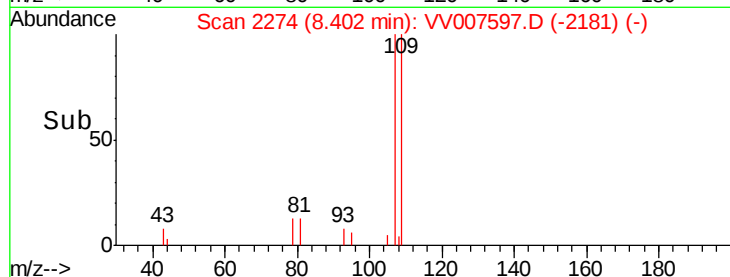
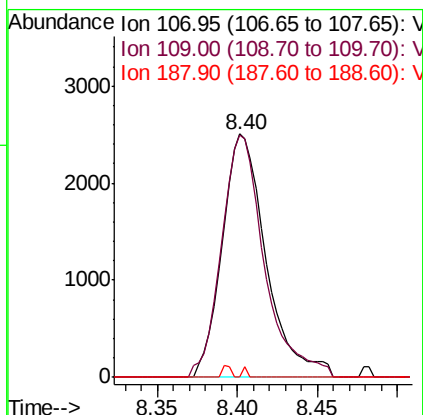
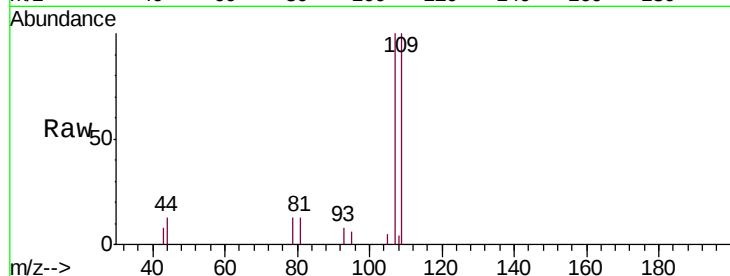




#50
1,2-Dibromoethane
Concen: 1.091 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

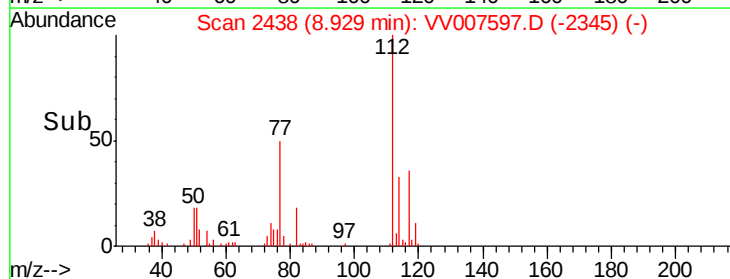
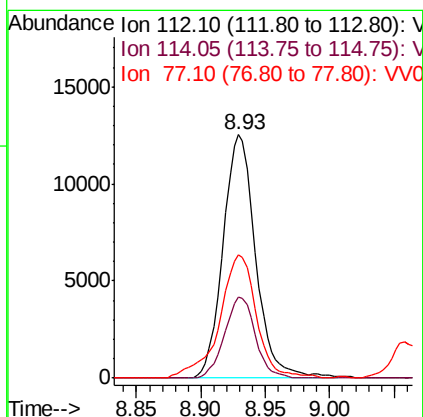
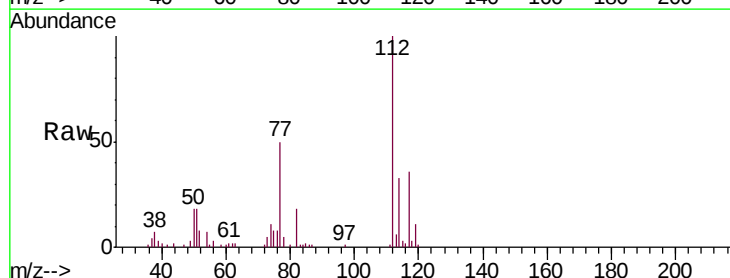
Instrument :
MSVOA_V
ClientSampleId :
VSTD00167

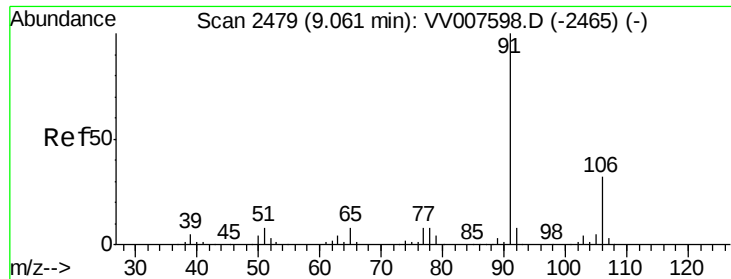
Tgt Ion:107 Resp: 4698
Ion Ratio Lower Upper
107 100
109 99.7 63.8 118.6
188 0.0 3.6 5.4#



#51
Chlorobenzene
Concen: 1.168 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007597.D
Acq: 18 Sep 2018 11:41

Tgt Ion:112 Resp: 21984
Ion Ratio Lower Upper
112 100
114 33.4 22.3 41.5
77 50.5 42.0 63.0





#52

Ethylbenzene

Concen: 1.117 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

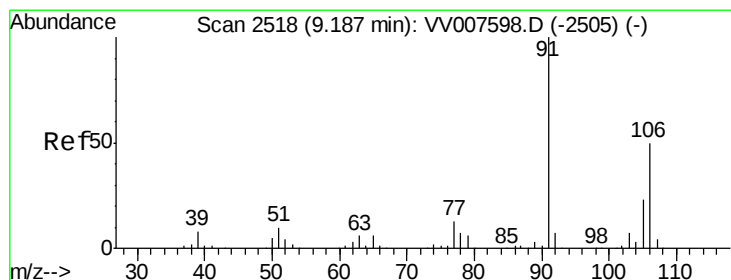
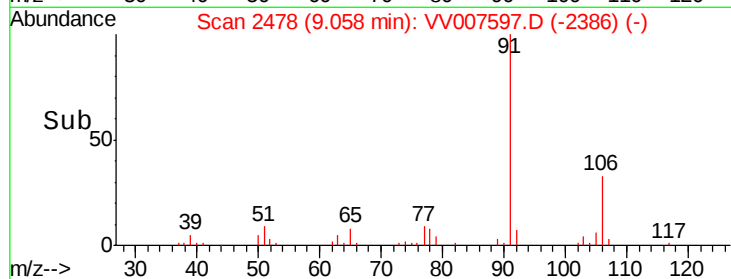
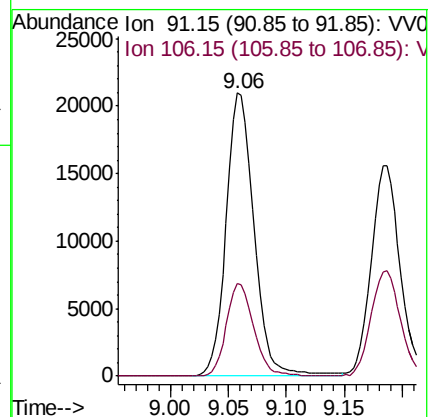
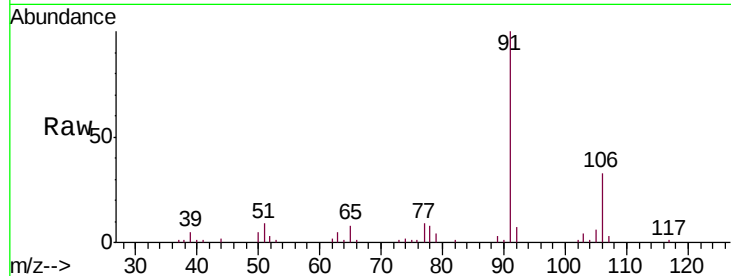
VSTD00167

Tgt Ion: 91 Resp: 34961

Ion Ratio Lower Upper

91 100

106 32.7 22.5 41.9



#53

m,p-xylene

Concen: 1.155 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007597.D

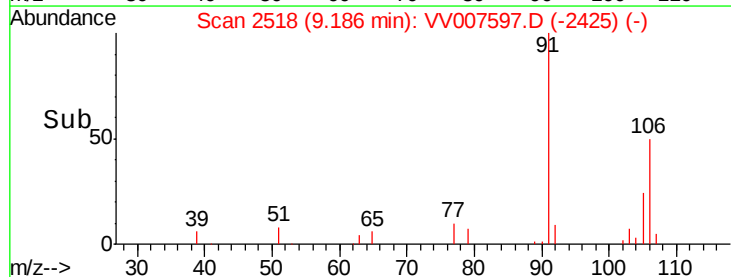
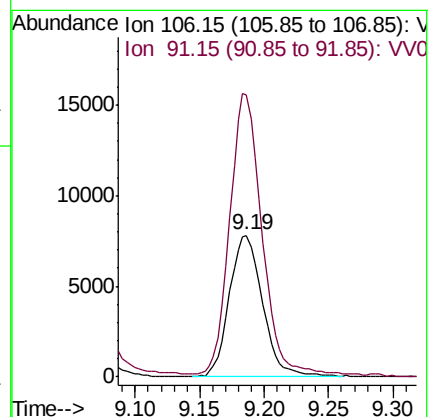
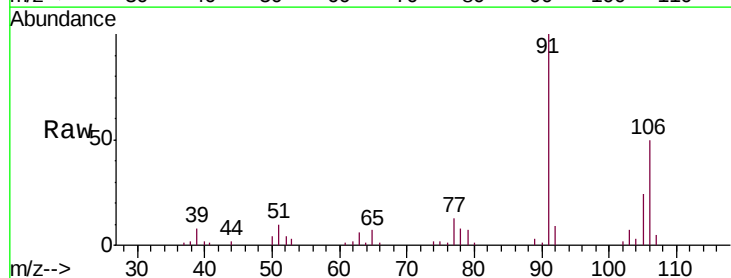
Acq: 18 Sep 2018 11:41

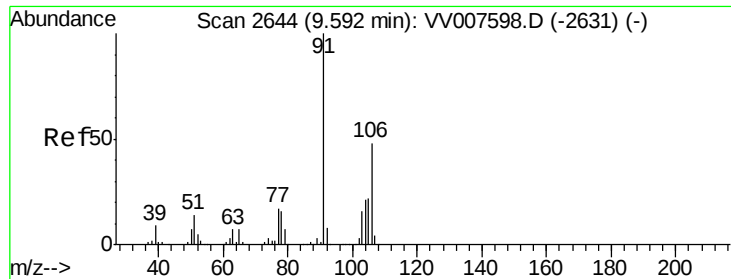
Tgt Ion: 106 Resp: 14030

Ion Ratio Lower Upper

106 100

91 199.0 139.4 258.8





#54

o-xylene

Concen: 1.142 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

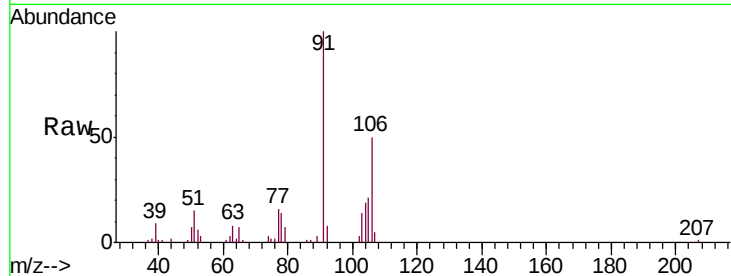
VSTD00167

Tgt Ion:106 Resp: 13521

Ion Ratio Lower Upper

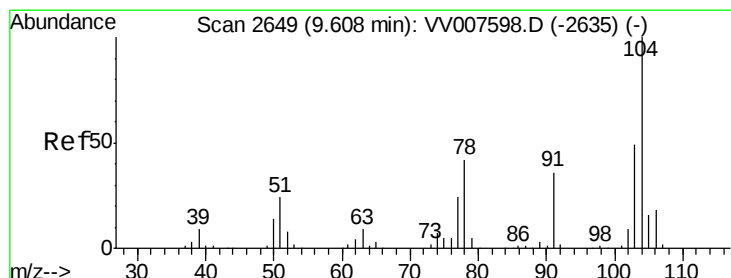
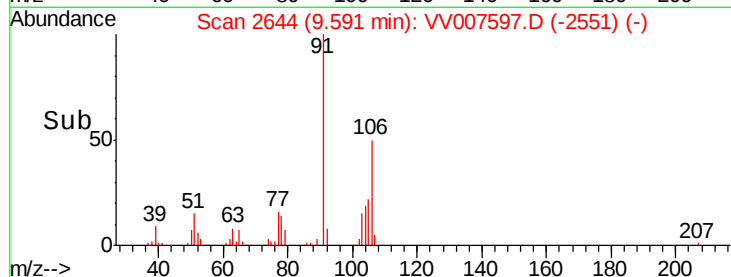
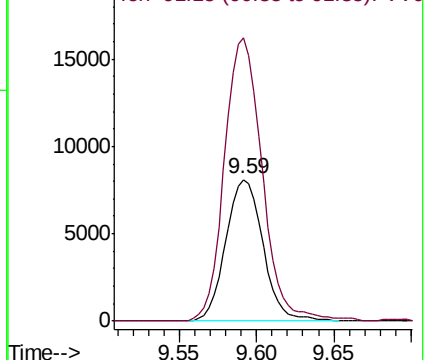
106 100

91 200.1 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.097 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV007597.D

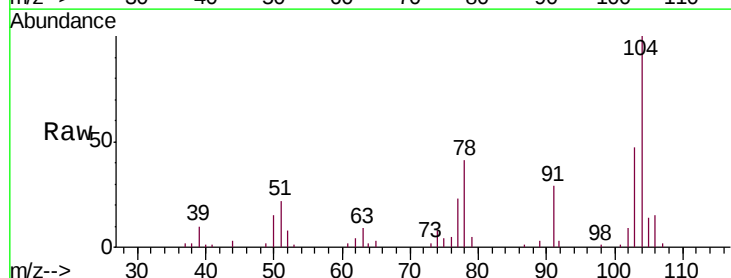
Acq: 18 Sep 2018 11:41

Tgt Ion:104 Resp: 21275

Ion Ratio Lower Upper

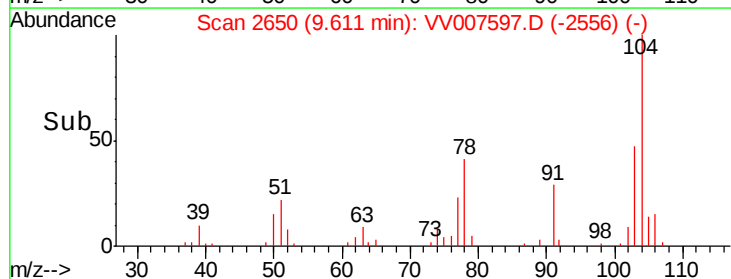
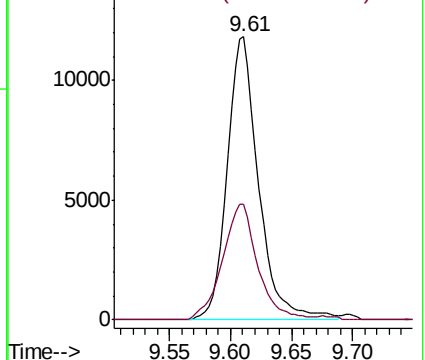
104 100

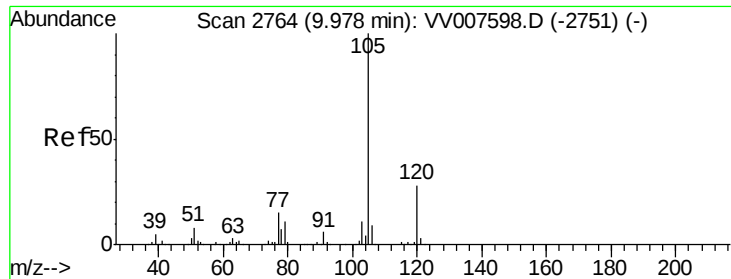
78 40.8 29.7 55.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 1.118 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

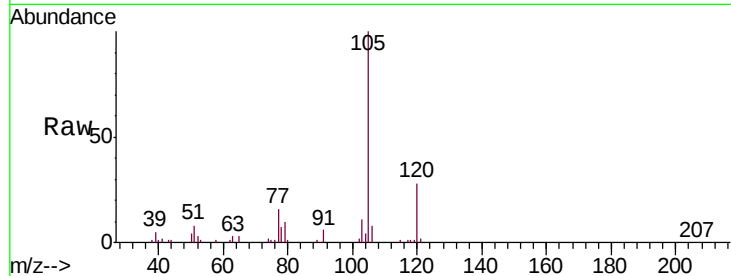
Tgt Ion:105 Resp: 36181

Ion Ratio Lower Upper

105 100

120 27.4 22.1 33.1

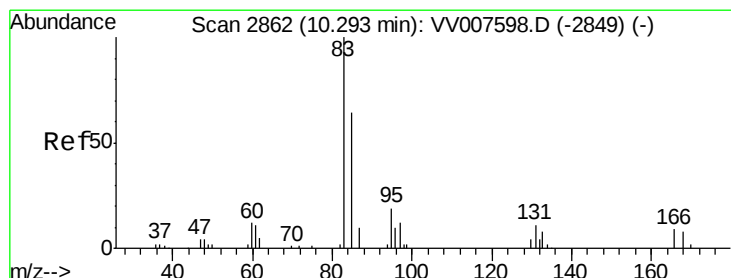
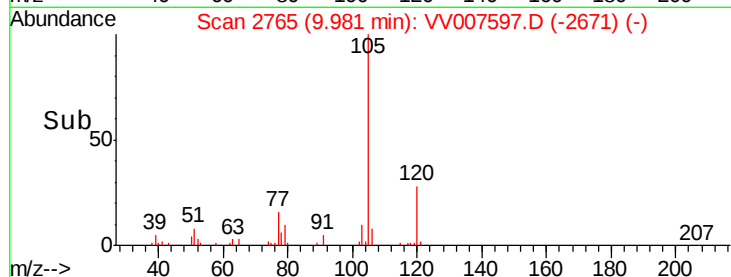
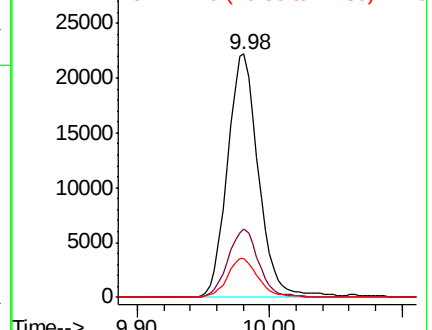
77 15.7 12.0 18.0



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: 0.898 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

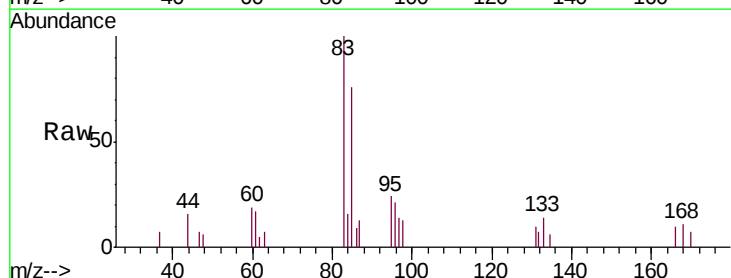
Tgt Ion: 83 Resp: 3825

Ion Ratio Lower Upper

83 100

85 75.7 44.9 83.5

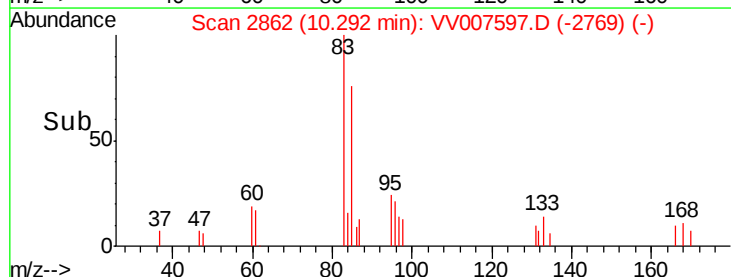
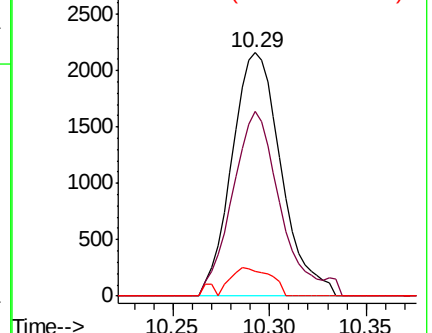
131 10.2 9.0 13.6

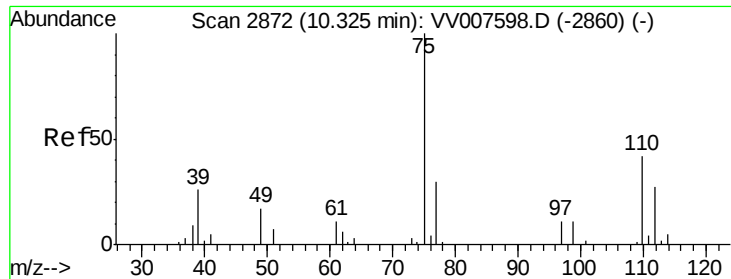


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

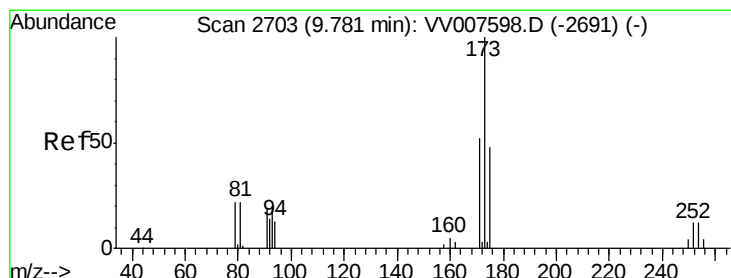
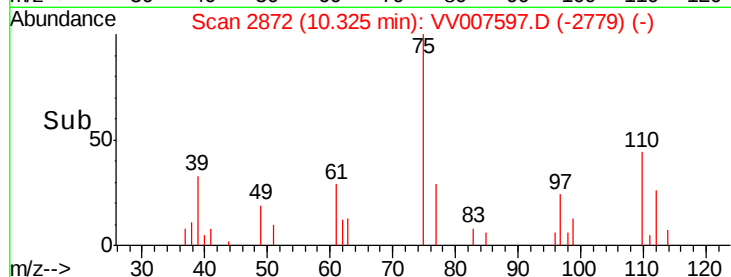
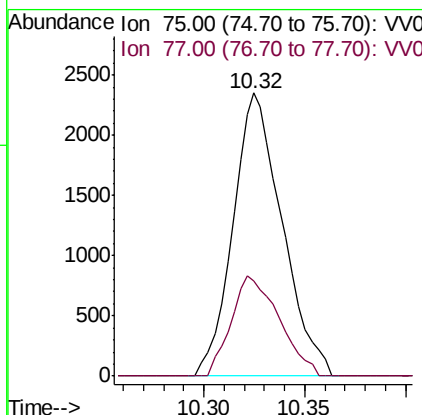
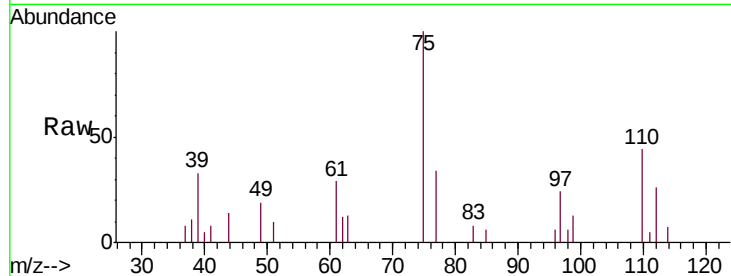




#59
 1,2,3-Trichloropropane
 Concen: 1.107 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

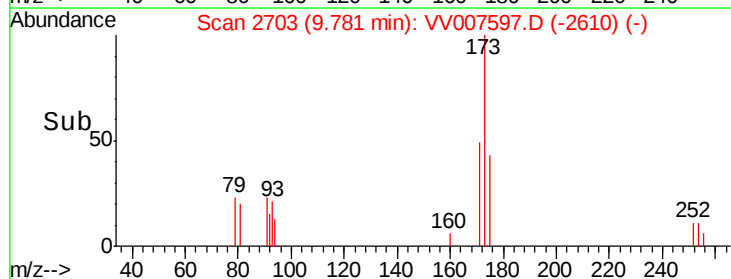
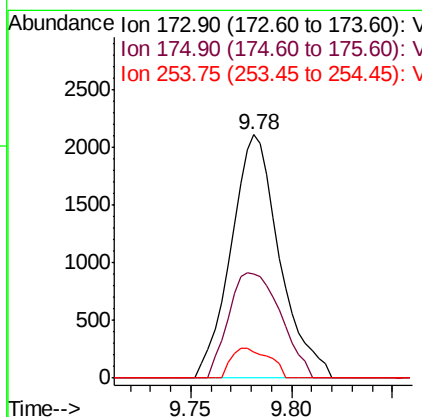
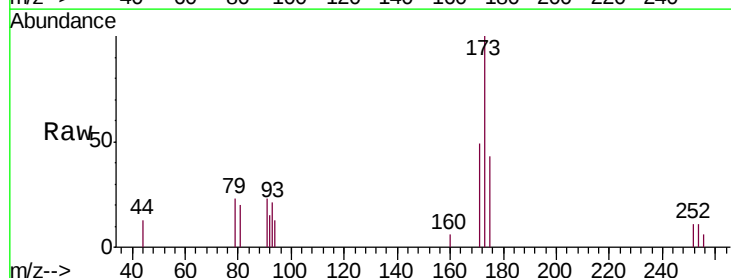
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

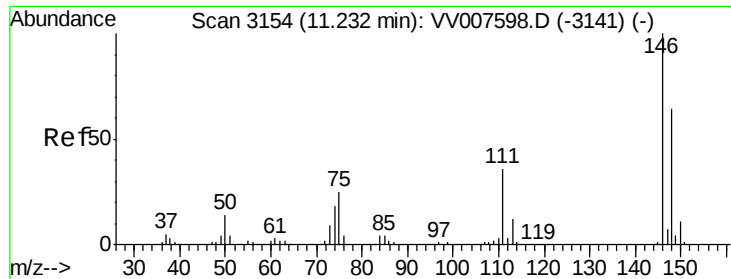
Tgt Ion: 75 Resp: 4000
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.0 37.4



#61
 Bromoform
 Concen: 0.986 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion: 173 Resp: 3536
 Ion Ratio Lower Upper
 173 100
 175 46.7 38.2 57.4
 254 9.7 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 1.184 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

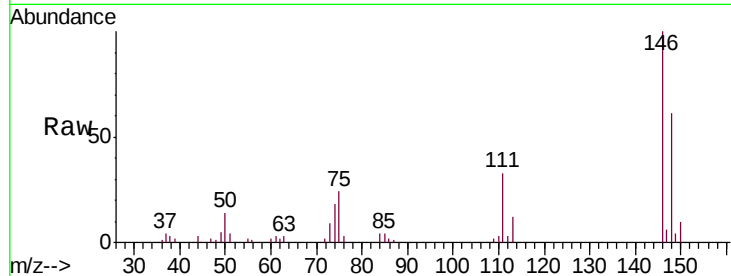
Tgt Ion:146 Resp: 18719

Ion Ratio Lower Upper

146 100

111 33.4 25.0 46.4

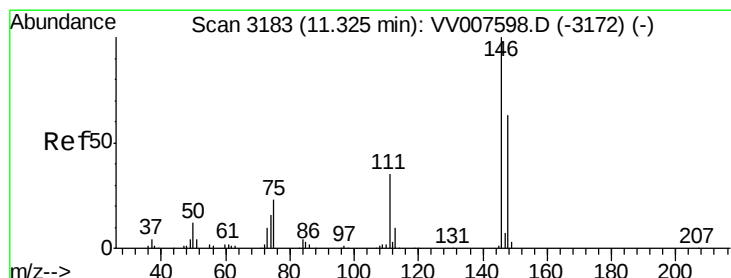
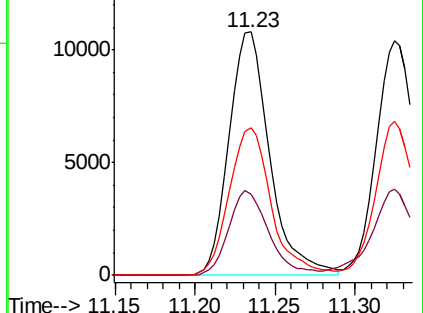
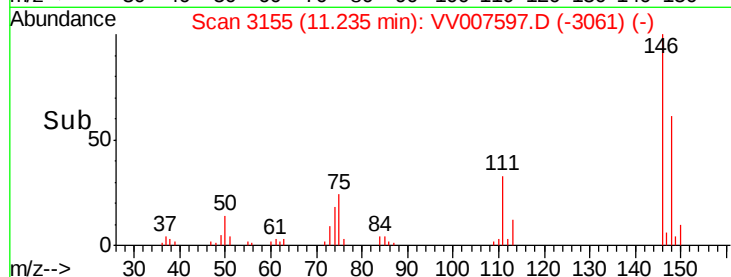
148 60.7 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.177 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

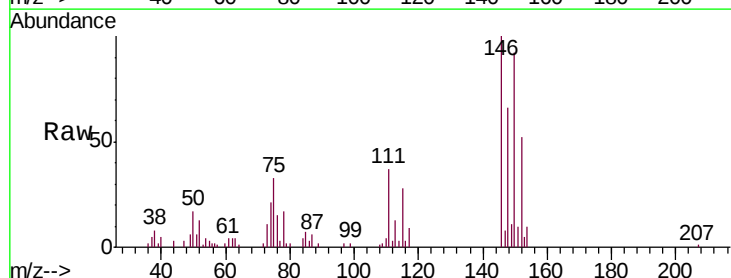
Tgt Ion:146 Resp: 18570

Ion Ratio Lower Upper

146 100

111 36.6 24.5 45.5

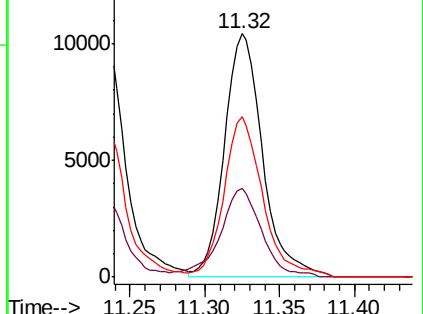
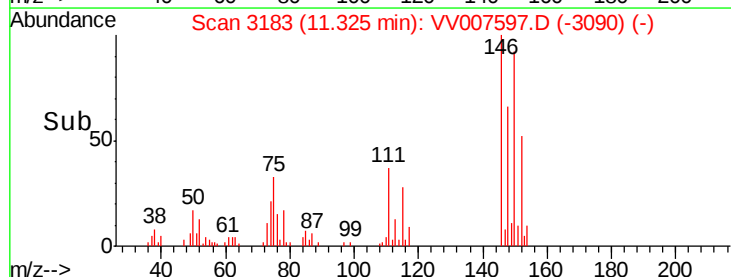
148 65.8 44.0 81.8

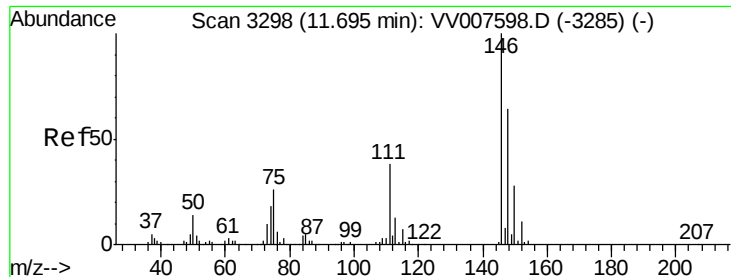


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.180 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampled :

VSTD00167

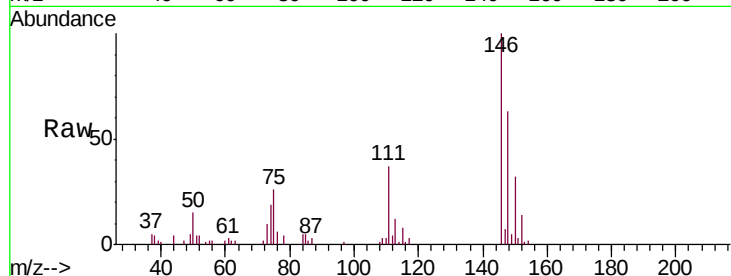
Tgt Ion:146 Resp: 17324

Ion Ratio Lower Upper

146 100

111 36.7 30.6 46.0

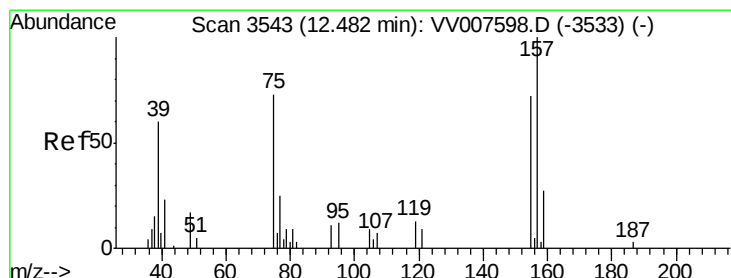
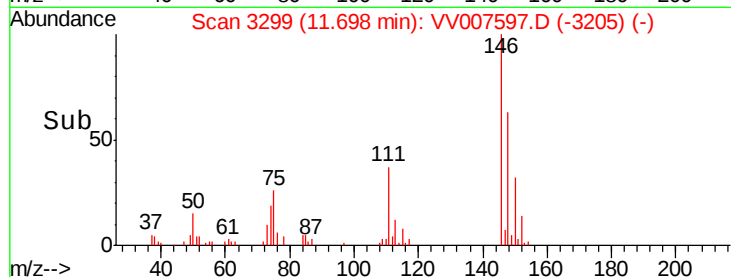
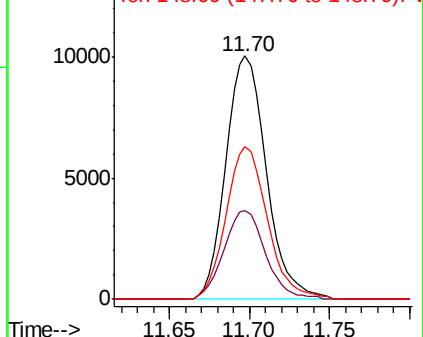
148 62.7 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.839 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

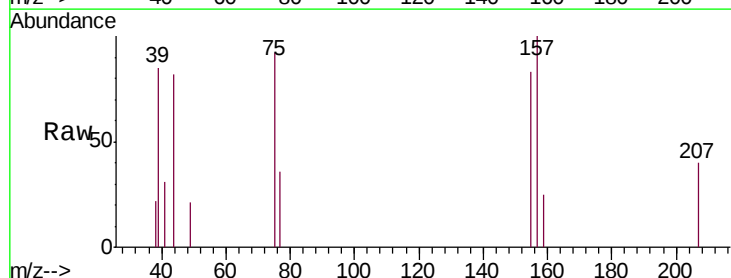
Tgt Ion: 75 Resp: 605

Ion Ratio Lower Upper

75 100

155 89.9 79.1 118.7

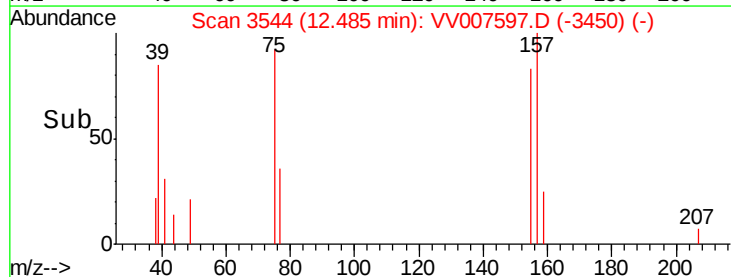
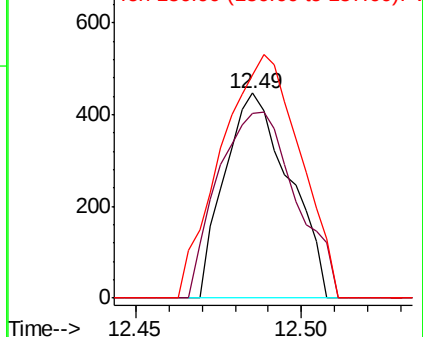
157 108.9 109.8 164.6#

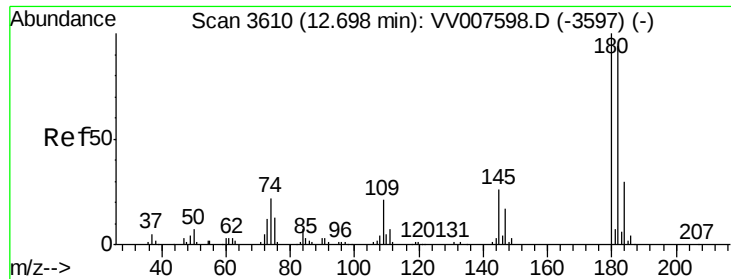


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

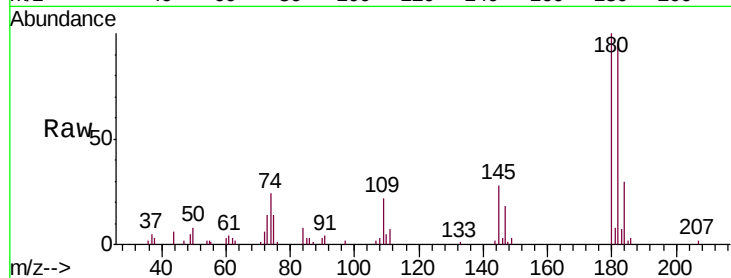




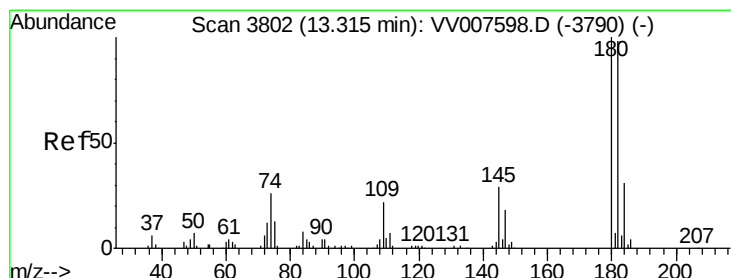
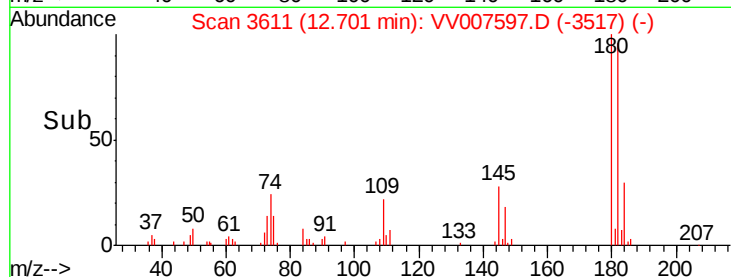
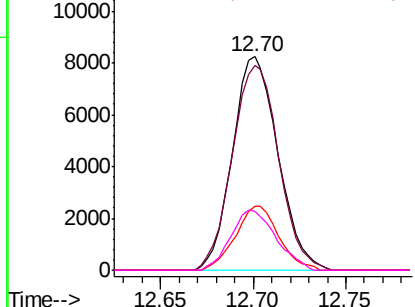
#67
 1,3,5-Trichlorobenzene
 Concen: 1.131 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00167

Tgt Ion:180 Resp: 14042
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.4 113.2
 184 28.6 24.6 36.8
 145 28.0 21.4 32.0

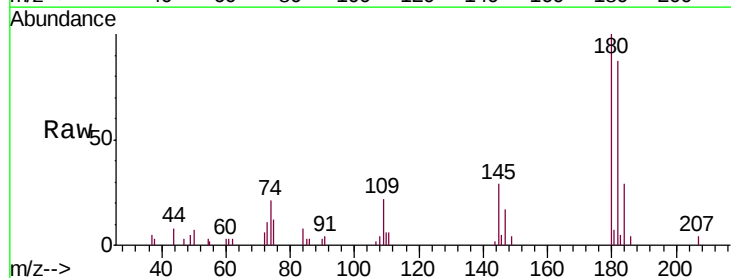


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

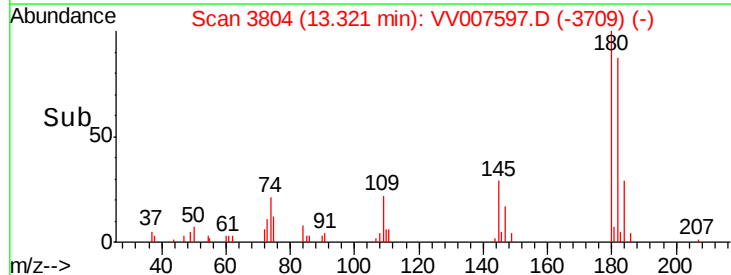
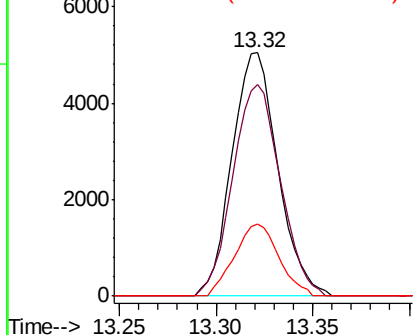


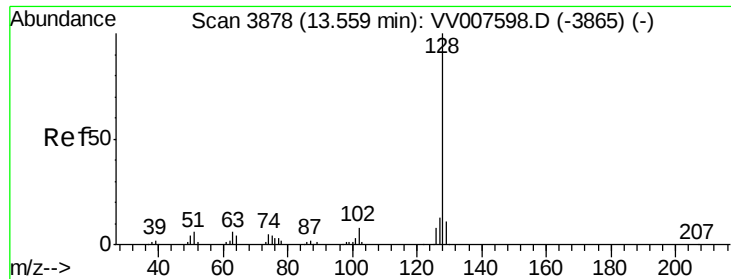
#68
 1,2,4-trichlorobenzene
 Concen: 0.943 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV007597.D
 Acq: 18 Sep 2018 11:41

Tgt Ion:180 Resp: 8349
 Ion Ratio Lower Upper
 180 100
 182 89.5 77.9 116.9
 145 28.6 23.1 34.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.758 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00167

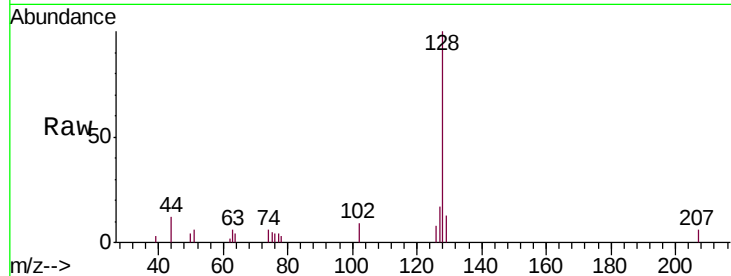
Tgt Ion:128 Resp: 7997

Ion Ratio Lower Upper

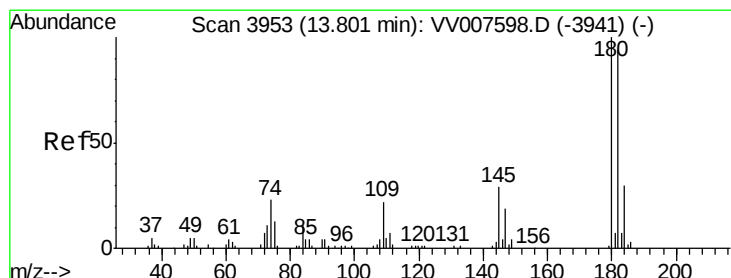
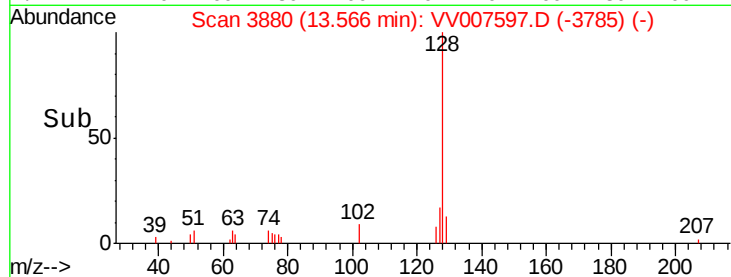
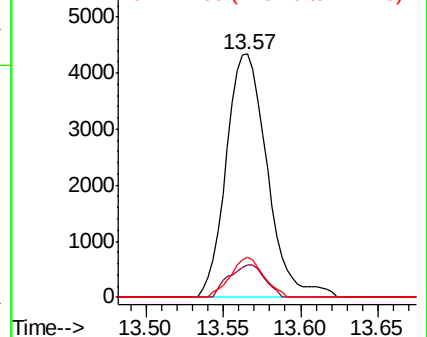
128 100

129 11.7 8.6 12.8

127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.974 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VV007597.D

Acq: 18 Sep 2018 11:41

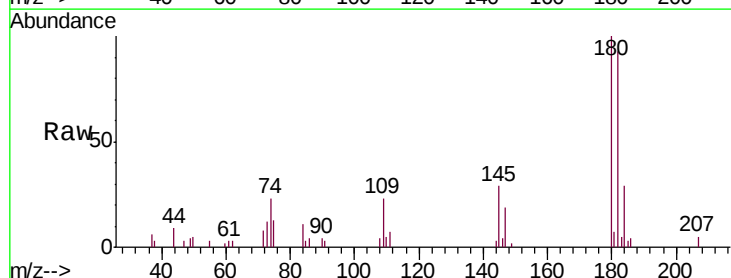
Tgt Ion:180 Resp: 7894

Ion Ratio Lower Upper

180 100

182 95.6 75.1 112.7

145 27.5 23.6 35.4



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

