

Data File : VV008086.D
Acq On : 05 Oct 2018 02:31
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Quant Time: Oct 05 06:00:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	84942	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80463	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45093	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19081	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.59	69	17918	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.14	63	45430	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	3.97	46	76743	56.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.06%
24) Chloroform-d	4.41	84	55101	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.09	65	26999	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.10	84	98056	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	32575	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.36	98	96652	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.67	79	11216	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.14	63	56144	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25794	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	40483	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35747	5.017 ug/L	97
3) Chloromethane	1.25	50	28737	4.534 ug/L	100
5) Vinyl chloride	1.32	62	34179	5.037 ug/L	96
6) Bromomethane	1.54	94	8567	2.047 ug/L	99
8) Chloroethane	1.60	64	21422	5.234 ug/L	97
9) Trichlorofluoromethane	1.77	101	56758	5.123 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33155	5.277 ug/L	100
12) 1,1-Dichloroethene	2.15	96	28683	5.109 ug/L	93
13) Acetone	2.22	43	47737	47.836 ug/L	99
14) Carbon disulfide	2.32	76	71866	4.722 ug/L	99
15) Methyl Acetate	2.47	43	12768	5.003 ug/L	96
16) Methylene chloride	2.54	84	31093	4.984 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	72440	5.222 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	32112	5.188 ug/L	95
19) 1,1-Dichloroethane	3.23	63	58883	5.576 ug/L	100
21) 2-Butanone	4.05	43	84202	52.961 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	35189	5.615 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15891	5.831	ug/L	91
25) Chloroform	4.43	83	65616	5.745	ug/L	100
27) 1,2-Dichloroethane	5.19	62	39383	5.358	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	55928	5.780	ug/L	99
30) Cyclohexane	4.73	56	46095	5.068	ug/L	100
31) Carbon tetrachloride	4.88	117	50124	5.876	ug/L	100
33) Benzene	5.15	78	132241	5.740	ug/L	100
34) Trichloroethene	5.96	95	38434	5.826	ug/L	96
35) Methylcyclohexane	6.18	83	49271	4.981	ug/L	98
37) 1,2-Dichloropropane	6.23	63	35247	5.988	ug/L	100
38) Bromodichloromethane	6.56	83	43250	6.145	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	43224	5.490	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	206682	55.945	ug/L	100
42) Toluene	7.43	91	144806	5.771	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	36061	5.510	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	24619	5.796	ug/L	98
47) Tetrachloroethene	8.02	164	32588	5.331	ug/L	96
48) 2-Hexanone	8.19	43	148565	57.820	ug/L	99
49) Dibromochloromethane	8.30	129	30684	6.328	ug/L	97
50) 1,2-Dibromoethane	8.40	107	22694	5.845	ug/L #	99
51) Chlorobenzene	8.93	112	96615	5.575	ug/L	98
52) Ethylbenzene	9.06	91	152848	5.461	ug/L	100
53) m,p-xylene	9.18	106	59517	5.584	ug/L	99
54) o-xylene	9.59	106	57131	5.549	ug/L	98
55) Styrene	9.61	104	100491	5.716	ug/L	100
56) Isopropylbenzene	9.98	105	156186	5.602	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	29592	5.932	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	20923	5.713	ug/L	99
61) Bromoform	9.78	173	16754	6.186	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	80219	5.389	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	81809	5.285	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	77109	5.494	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4048	5.662	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	67762	5.316	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	53516	4.967	ug/L	98
69) Naphthalene	13.56	128	68961	4.576	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	51213	5.249	ug/L	100

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

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MSVOA_V
ClientSampleId :
VSTD00572

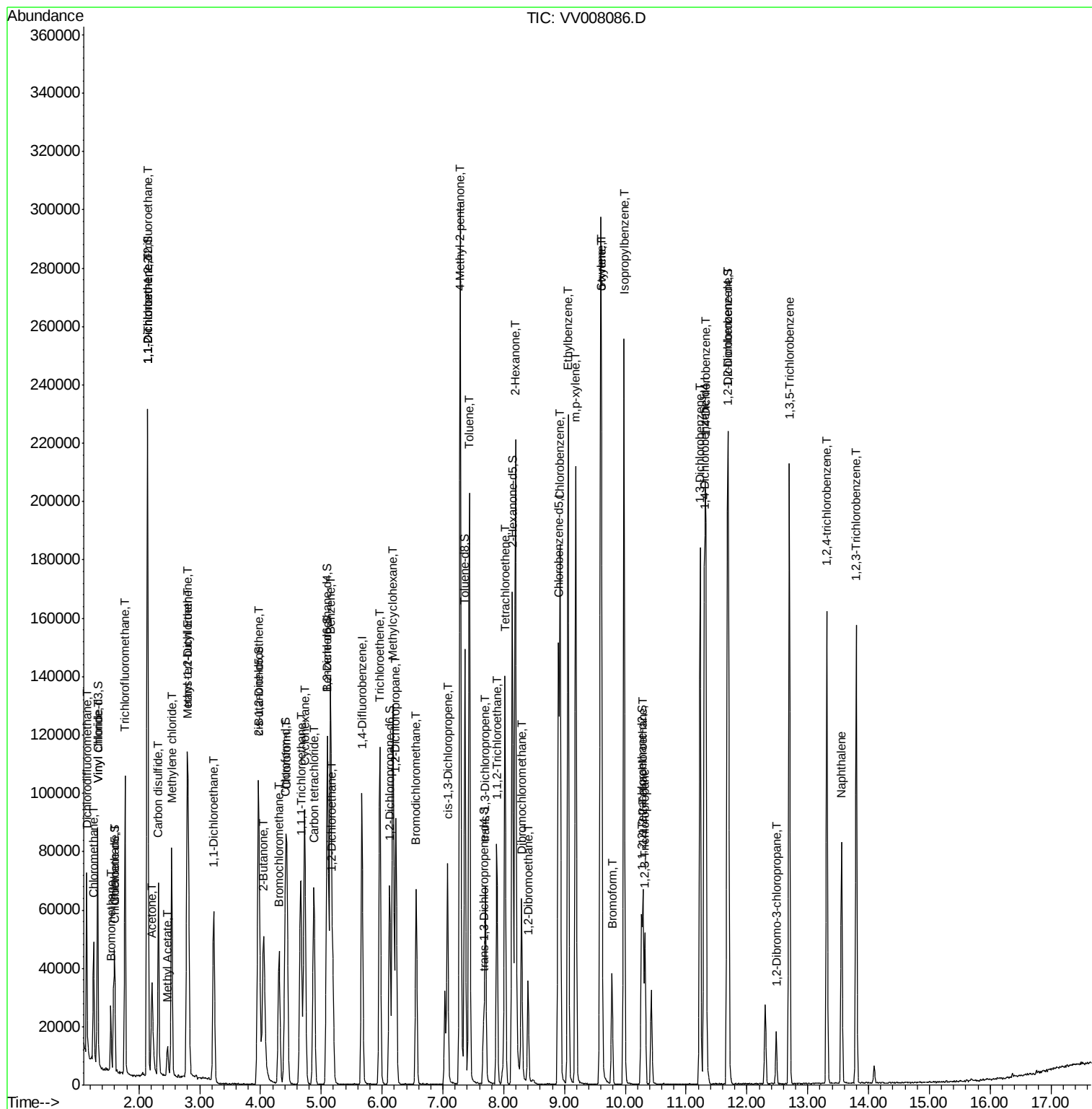
Quant Time: Oct 05 06:00:30 2018

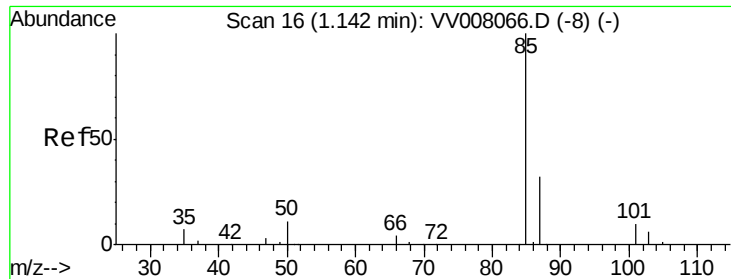
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR092718WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.017 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

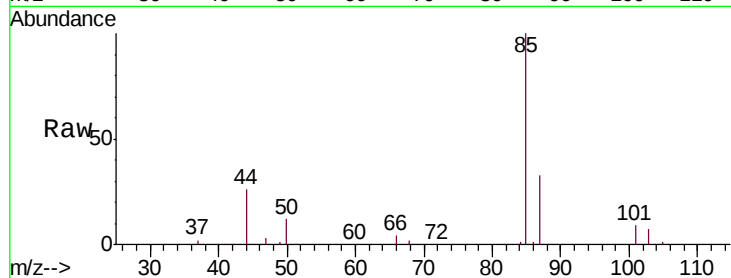
VSTD00572

Tgt Ion: 85 Resp: 35747

Ion Ratio Lower Upper

85 100

87 33.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV008066.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008066.D (-8) (-)

1.14

40000

30000

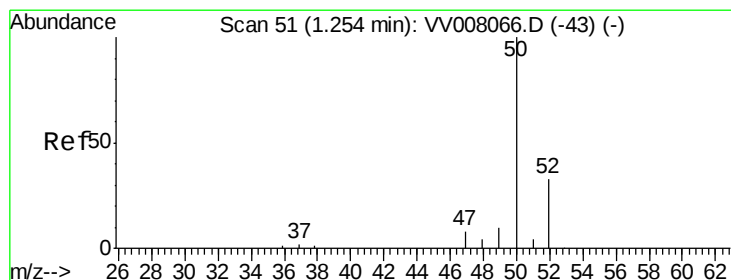
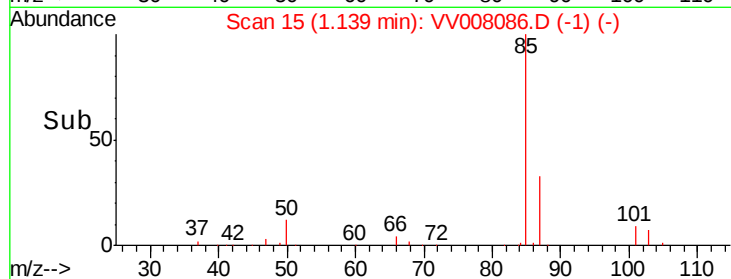
20000

10000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 4.534 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008086.D

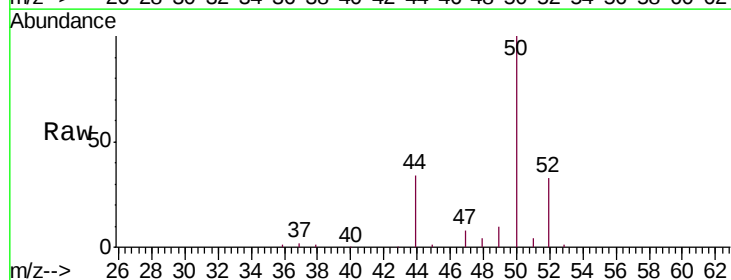
Acq: 05 Oct 2018 02:31

Tgt Ion: 50 Resp: 28737

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV008066.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008066.D (-43) (-)

1.25

25000

20000

15000

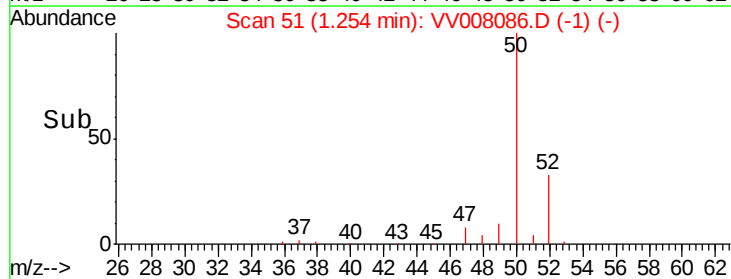
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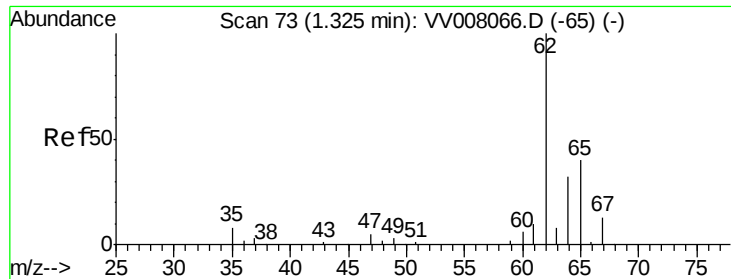
5000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.037 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampled :

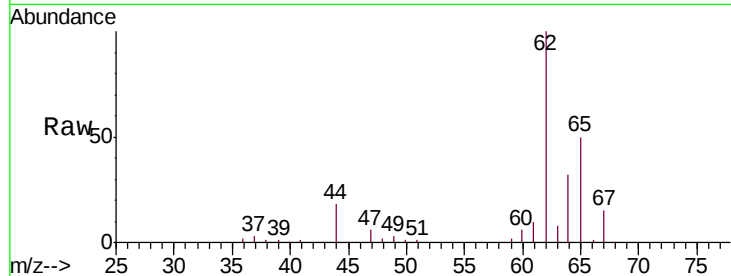
VSTD00572

Tgt Ion: 62 Resp: 34179

Ion Ratio Lower Upper

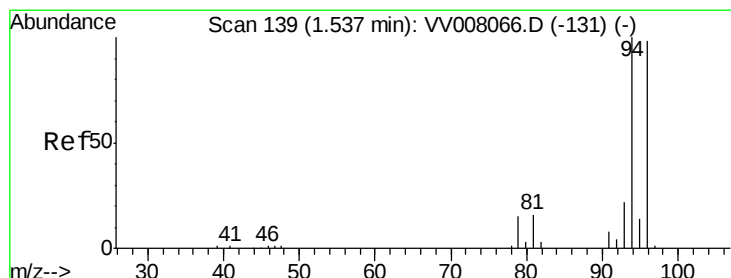
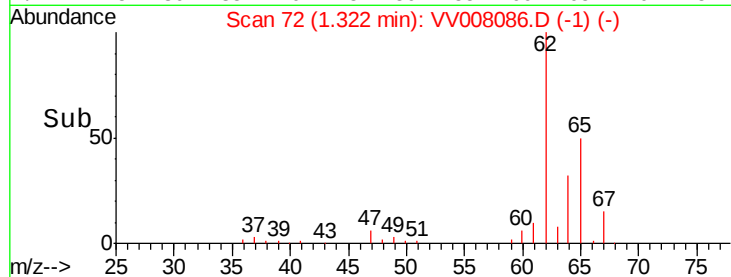
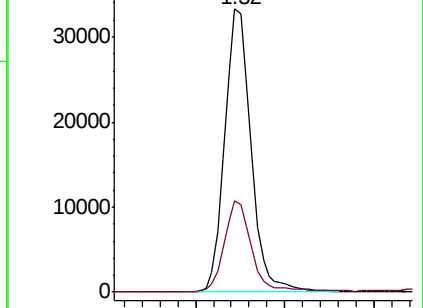
62 100

64 32.1 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 2.047 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008086.D

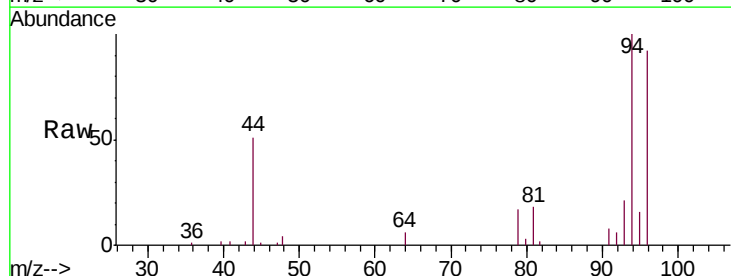
Acq: 05 Oct 2018 02:31

Tgt Ion: 94 Resp: 8567

Ion Ratio Lower Upper

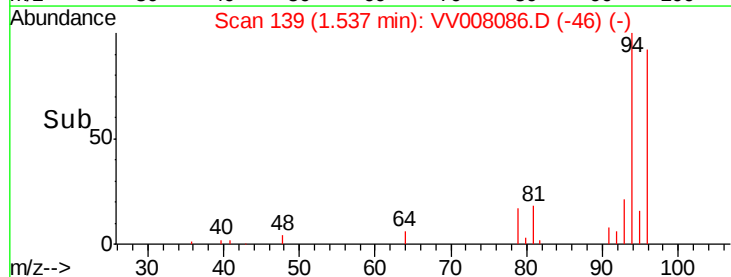
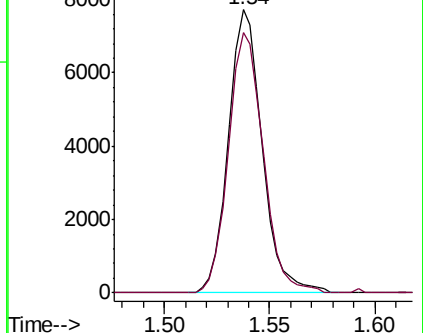
94 100

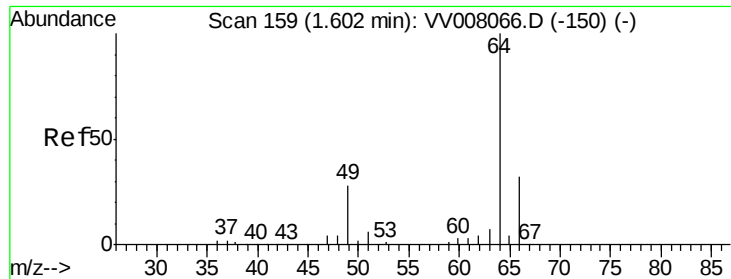
96 92.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

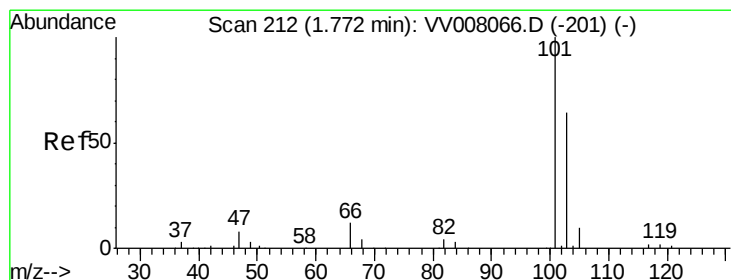
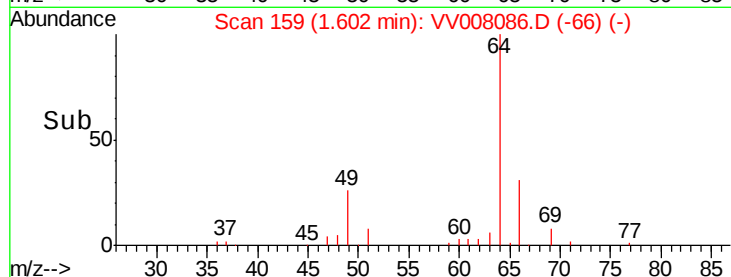
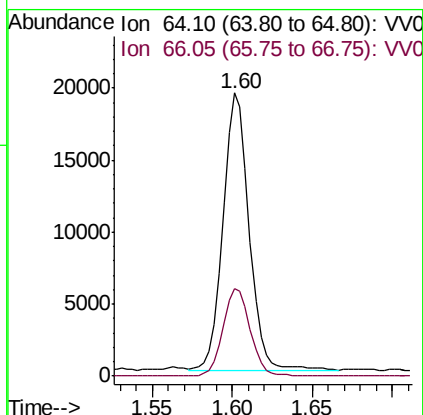
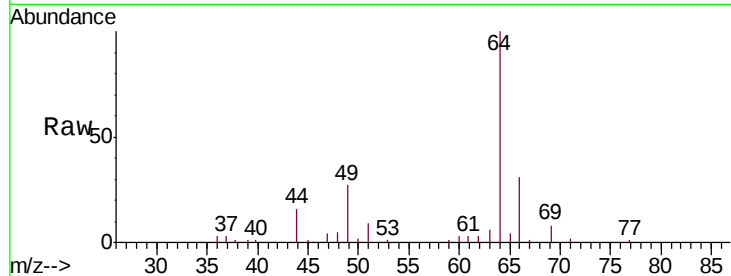




#8
Chloroethane
Concen: 5.234 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

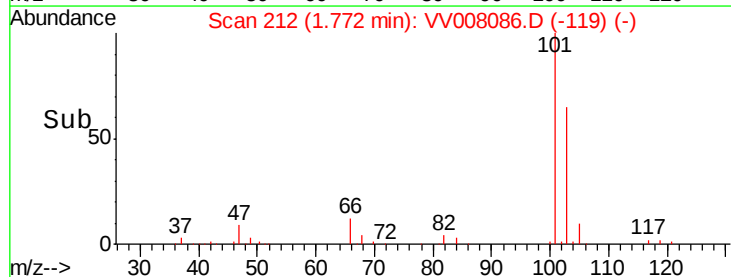
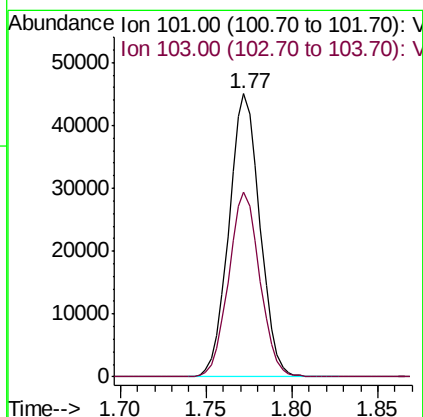
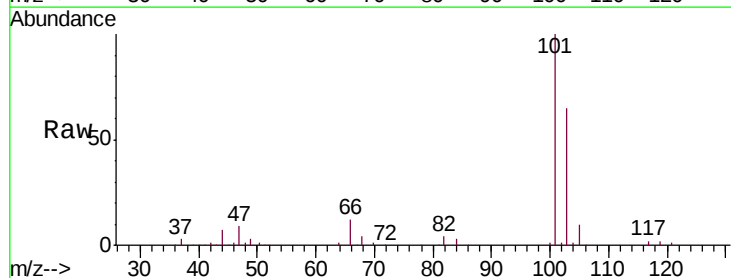
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

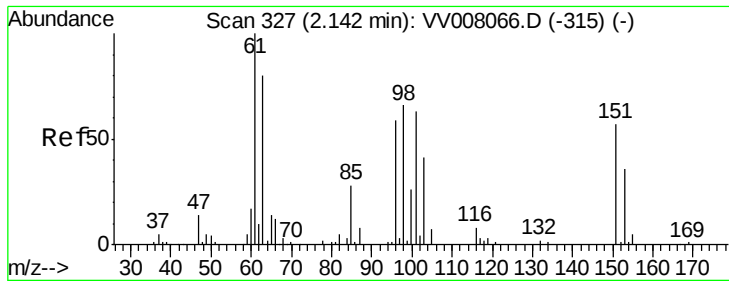
Tgt Ion: 64 Resp: 21422
Ion Ratio Lower Upper
64 100
66 31.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.123 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Tgt Ion: 101 Resp: 56758
Ion Ratio Lower Upper
101 100
103 65.8 51.5 77.3





#10

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

Concen: 5.277 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

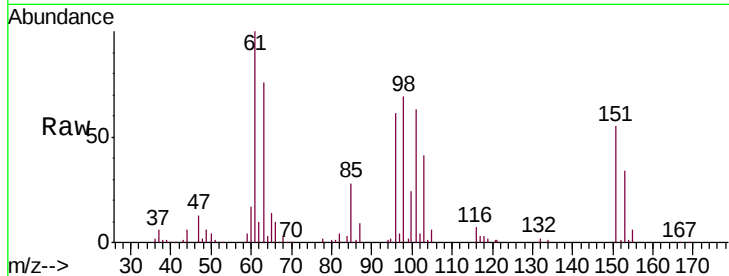
Tgt Ion:101 Resp: 33155

Ion Ratio Lower Upper

101 100

85 43.9 34.7 52.1

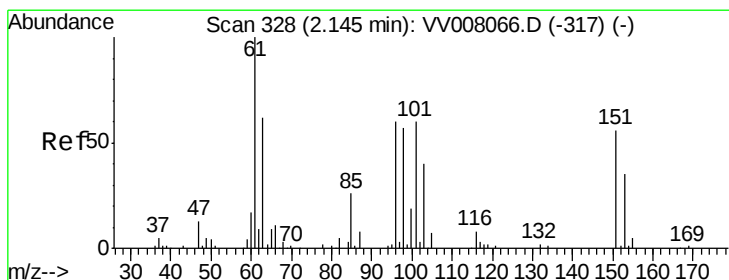
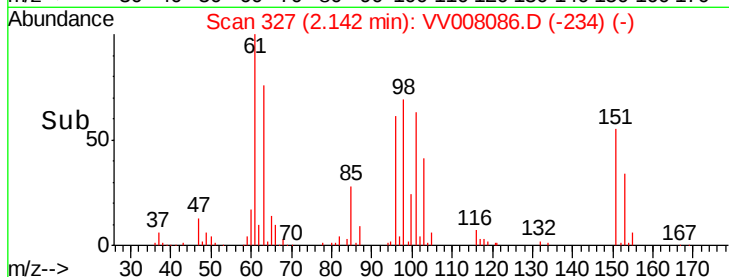
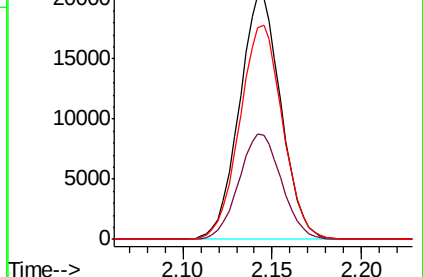
151 90.0 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV008086.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008086.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008086.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.109 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

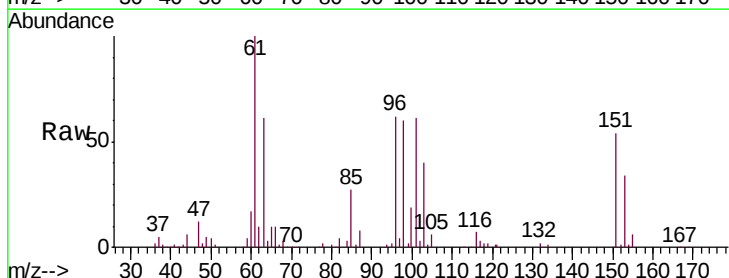
Tgt Ion: 96 Resp: 28683

Ion Ratio Lower Upper

96 100

61 161.9 114.1 211.9

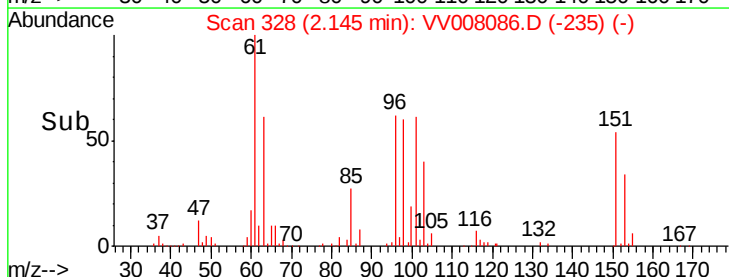
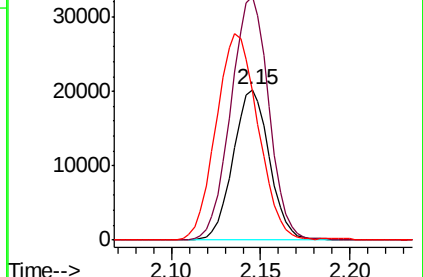
63 99.4 81.5 151.3

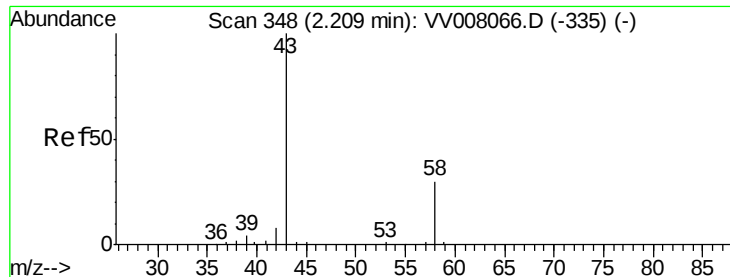


Abundance Ion 96.00 (95.70 to 96.70): VV008086.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008086.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008086.D (-317) (-)





#13

Acetone

Concen: 47.836 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

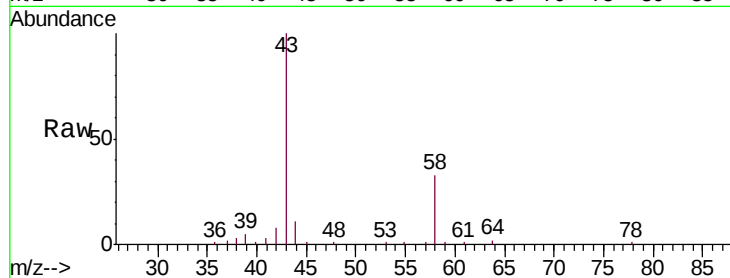
VSTD00572

Tgt Ion: 43 Resp: 47737

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008086.D (-350) (-)

Ion 58.05 (57.75 to 58.75): VV008086.D (-350) (-)

20000

15000

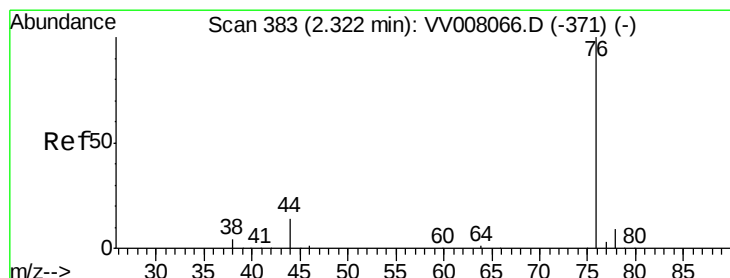
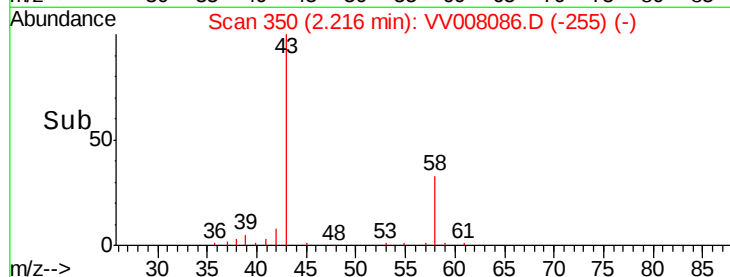
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5000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 4.722 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008086.D

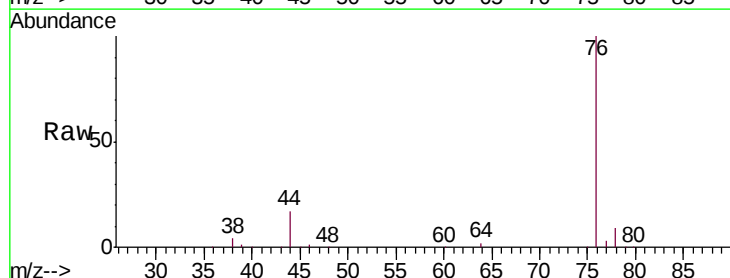
Acq: 05 Oct 2018 02:31

Tgt Ion: 76 Resp: 71866

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV008086.D (-383) (-)

Ion 78.00 (77.70 to 78.70): VV008086.D (-383) (-)

50000

40000

30000

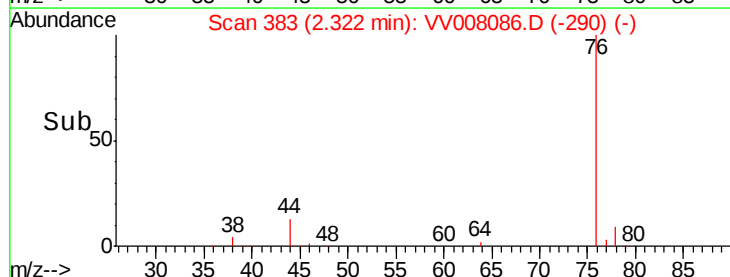
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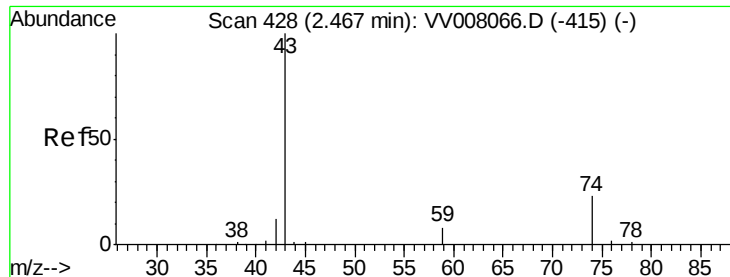
10000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 5.003 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

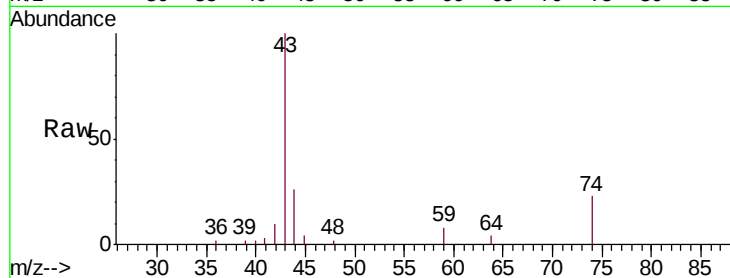
VSTD00572

Tgt Ion: 43 Resp: 12768

Ion Ratio Lower Upper

43 100

74 22.6 19.5 29.3



Abundance Ion 43.05 (42.75 to 43.75): VV008086.D (-335) (-)

Ion 74.05 (73.75 to 74.75): VV008086.D (-335) (-)

2.47

8000

6000

4000

2000

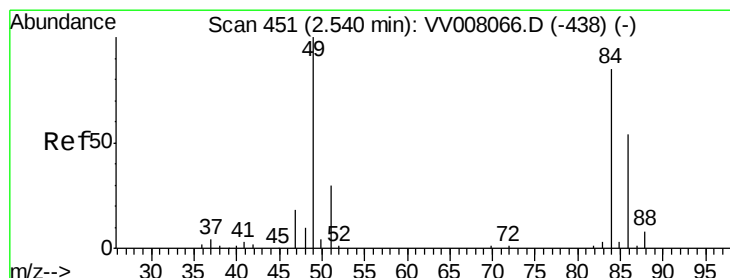
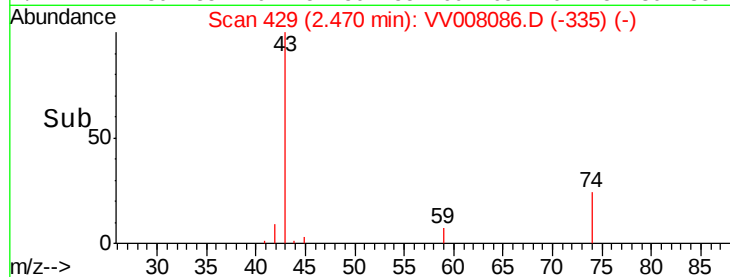
0

Time-->

2.40

2.50

2.60



#16

Methylene chloride

Concen: 4.984 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

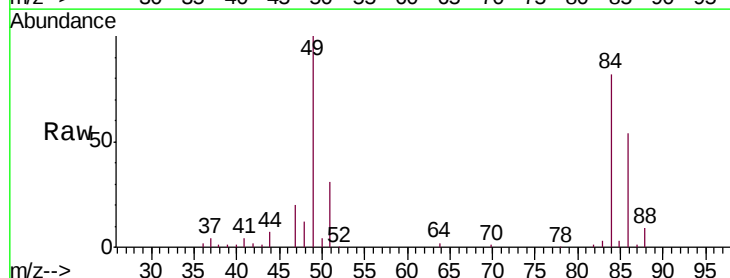
Tgt Ion: 84 Resp: 31093

Ion Ratio Lower Upper

84 100

86 65.3 47.3 87.8

49 121.4 90.0 167.2



Abundance Ion 84.05 (83.75 to 84.75): VV008086.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VV008086.D (-358) (-)

Ion 49.10 (48.80 to 49.80): VV008086.D (-358) (-)

2.54

30000

25000

20000

15000

10000

5000

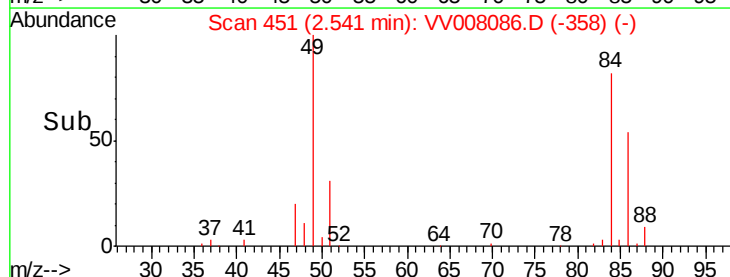
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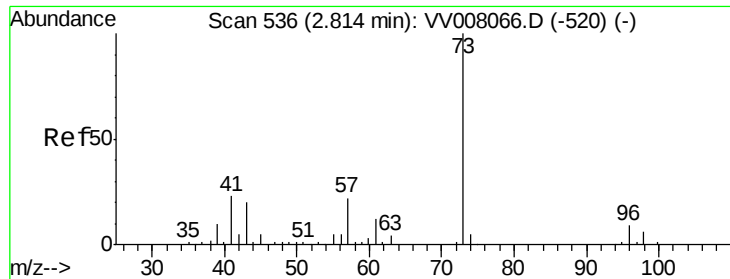
Time-->

2.50

2.55

2.60

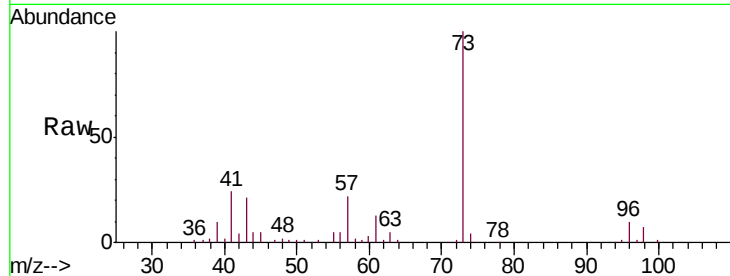




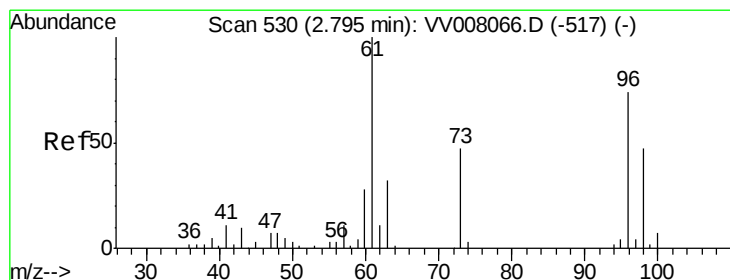
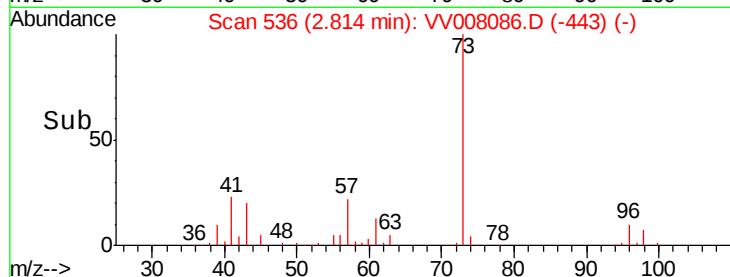
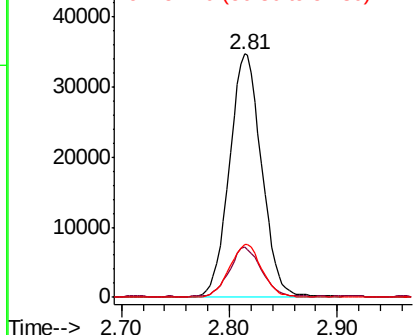
#17
Methyl tert-butyl Ether
Concen: 5.222 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Tgt Ion: 73 Resp: 72440
Ion Ratio Lower Upper
73 100
43 20.3 16.8 25.2
57 21.9 17.6 26.4

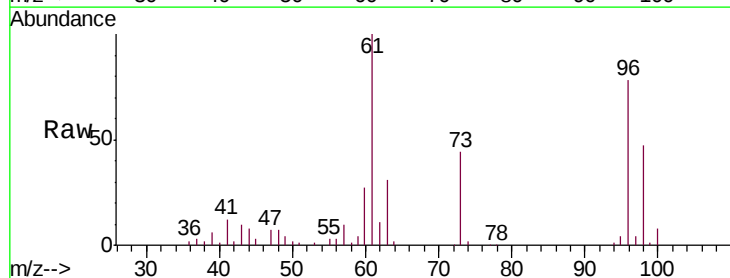


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

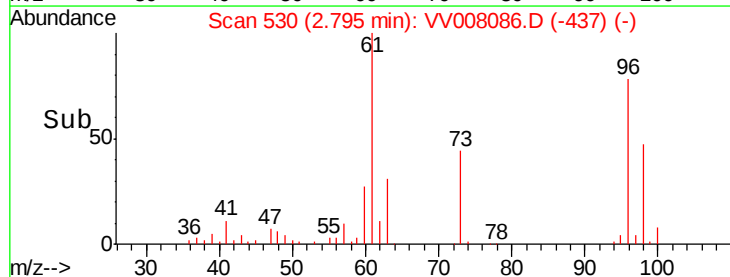
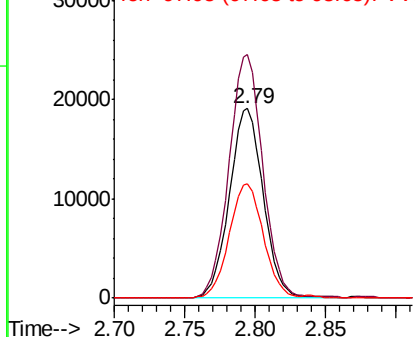


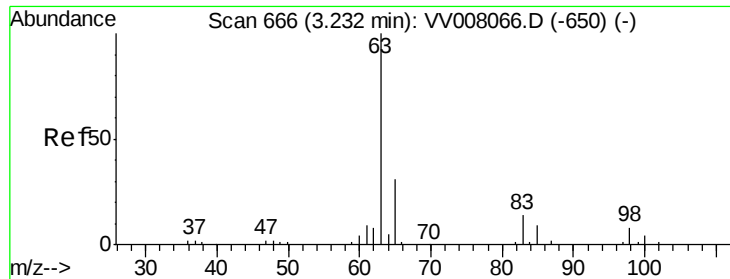
#18
trans-1,2-Dichloroethene
Concen: 5.188 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Tgt Ion: 96 Resp: 32112
Ion Ratio Lower Upper
96 100
61 128.6 94.2 175.0
98 60.1 44.9 83.5



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

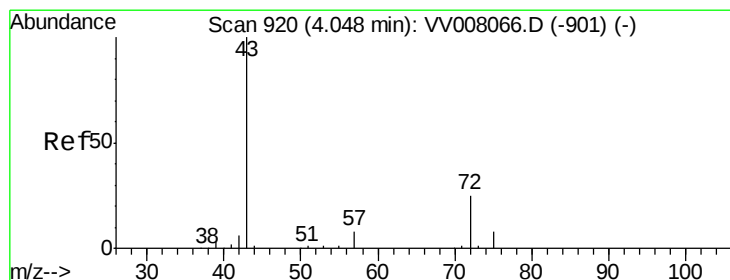
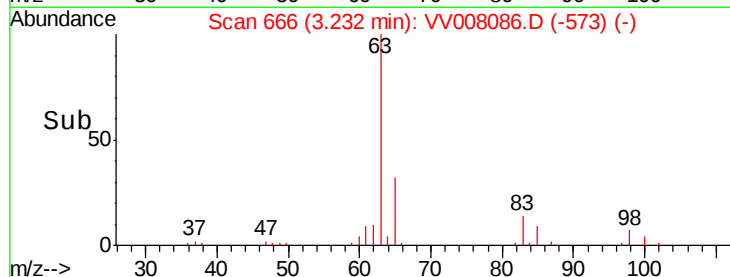
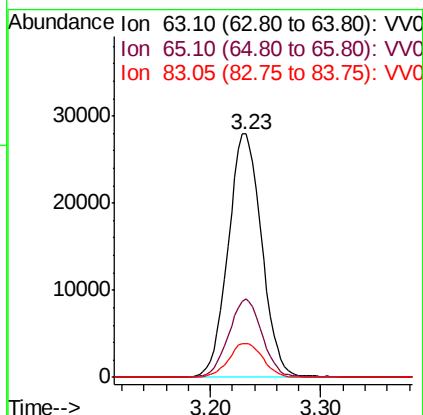
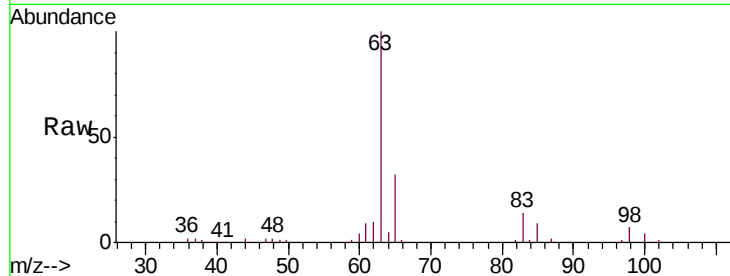




#19
 1,1-Dichloroethane
 Concen: 5.576 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

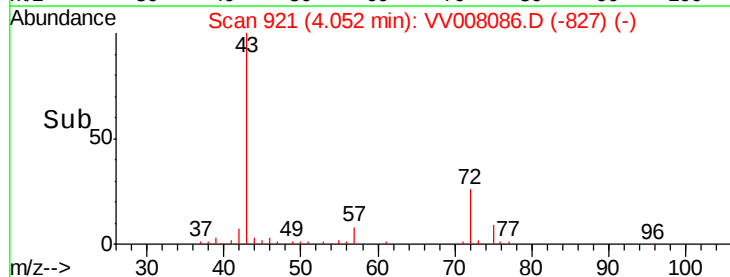
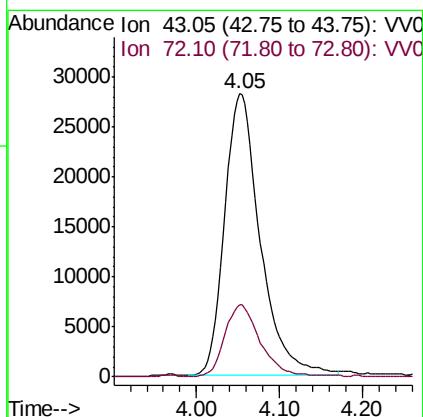
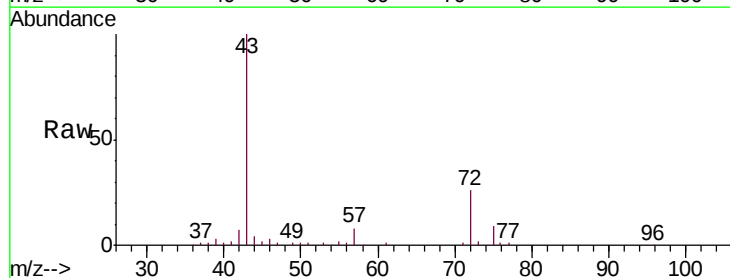
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

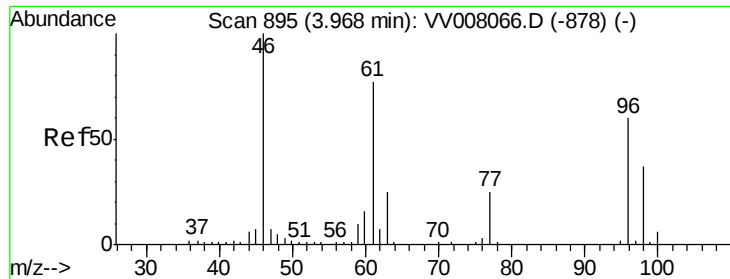
Tgt Ion: 63 Resp: 58883
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.3 41.5
 83 14.1 9.8 18.2



#21
 2-Butanone
 Concen: 52.961 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 43 Resp: 84202
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.5 37.5



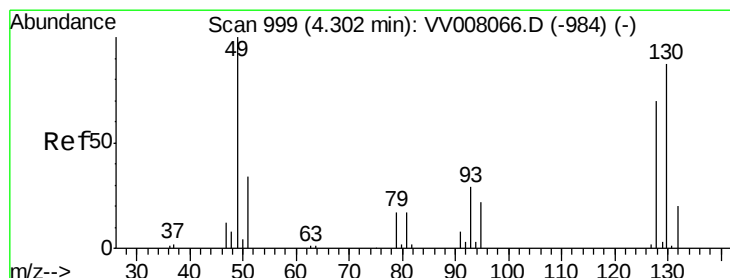
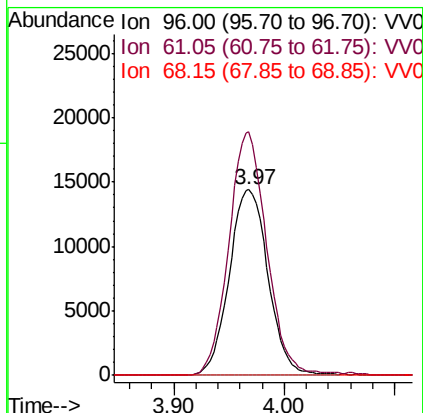
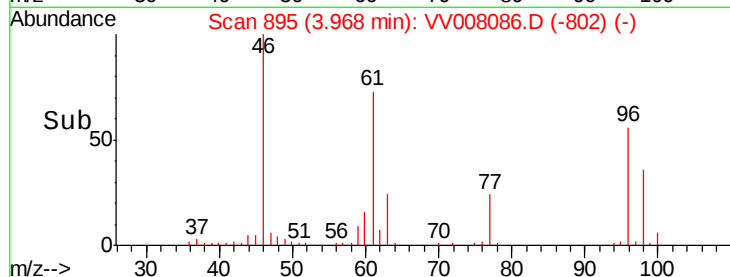
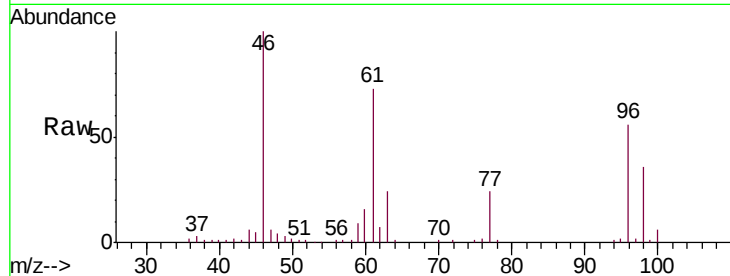


#22

cis-1,2-Dichloroethene
Concen: 5.615 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Instrument :
MSVOA_V
ClientSampled :
VSTD00572

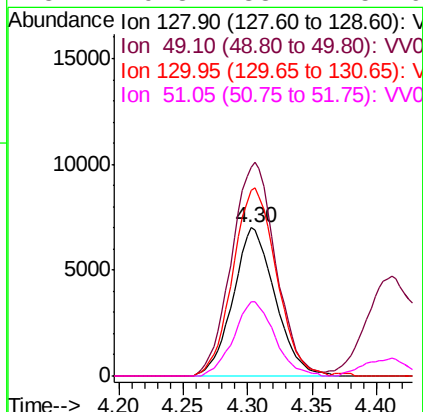
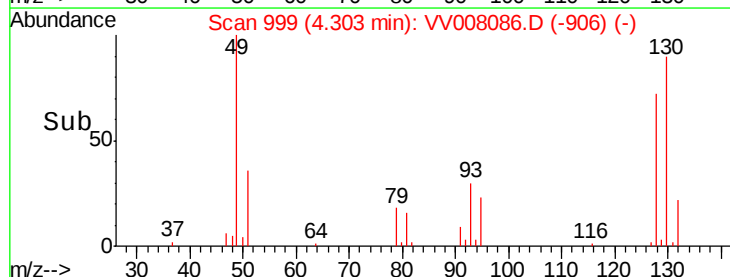
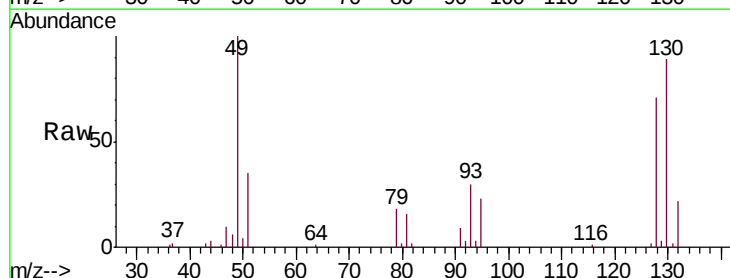
Tgt Ion: 96 Resp: 35189
Ion Ratio Lower Upper
96 100
61 131.2 89.5 166.1
68 0.0 0.0 0.0

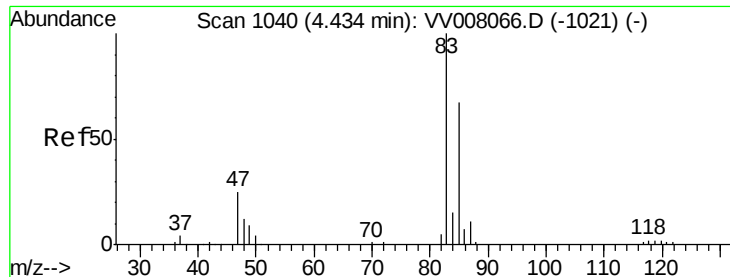


#23

Bromochloromethane
Concen: 5.831 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Tgt Ion: 128 Resp: 15891
Ion Ratio Lower Upper
128 100
49 141.3 112.8 209.4
130 125.7 92.3 171.5
51 49.8 38.4 57.6

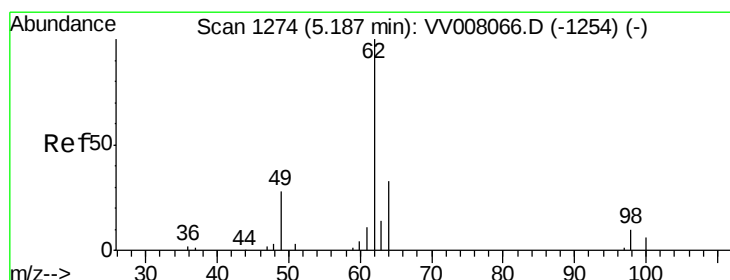
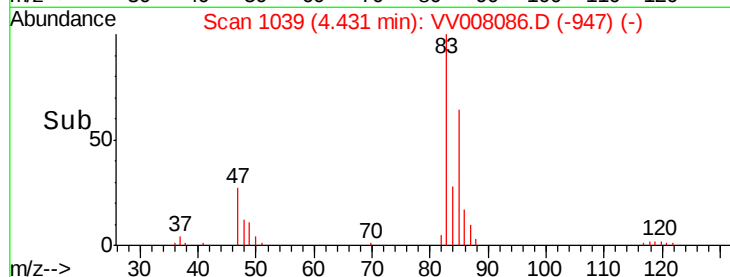
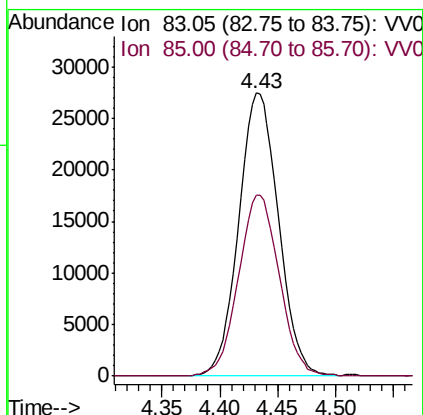
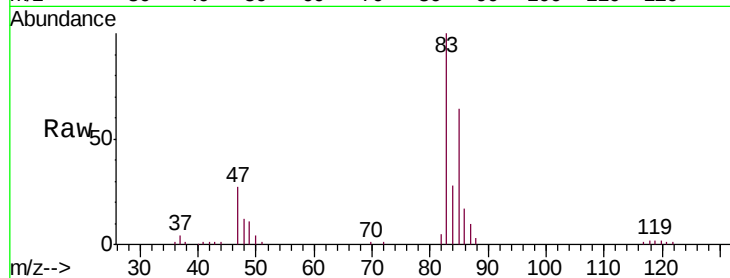




#25
Chloroform
Concen: 5.745 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

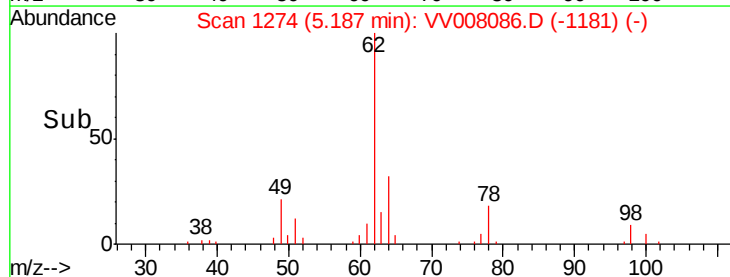
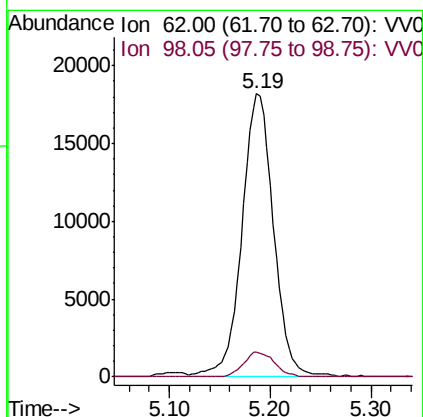
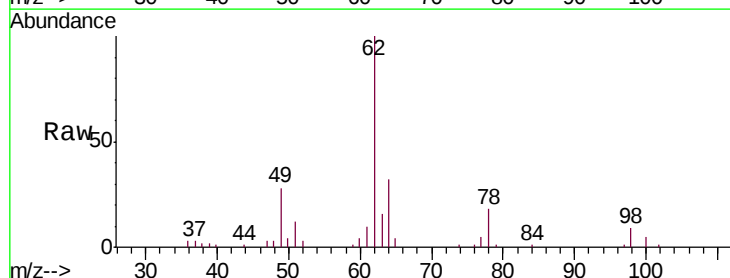
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

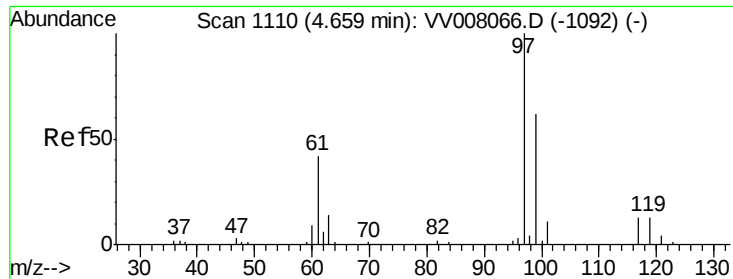
Tgt Ion: 83 Resp: 65616
Ion Ratio Lower Upper
83 100
85 64.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.358 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008086.D
Acq: 05 Oct 2018 02:31

Tgt Ion: 62 Resp: 39383
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0

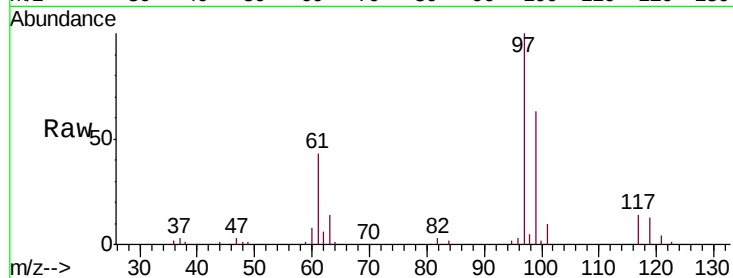




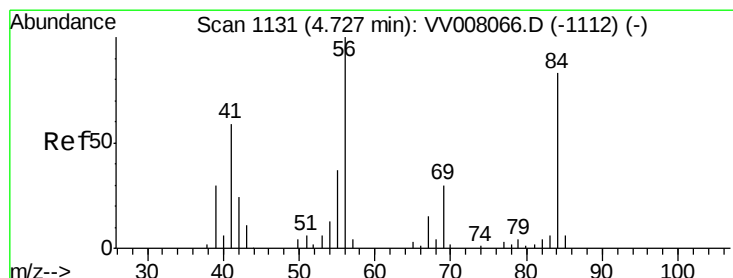
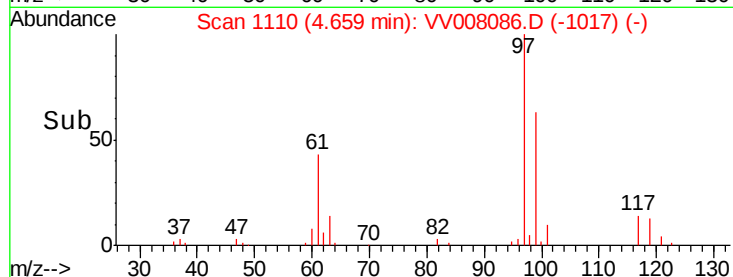
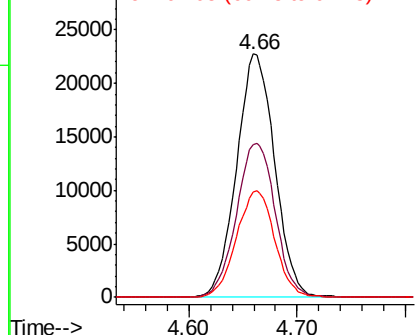
#29
 1,1,1-Trichloroethane
 Concen: 5.780 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion: 97 Resp: 55928
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 43.9 34.6 52.0

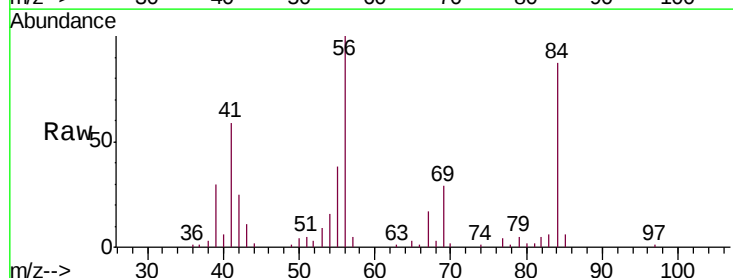


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

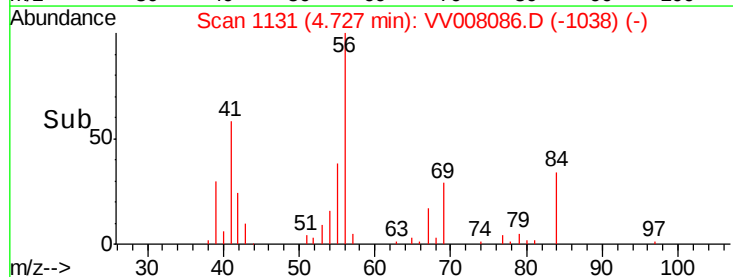
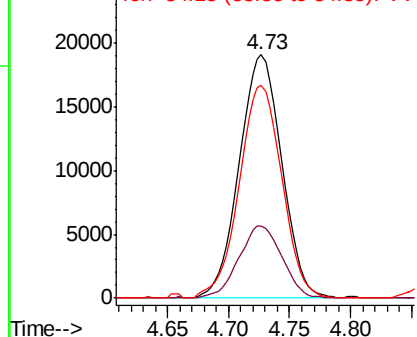


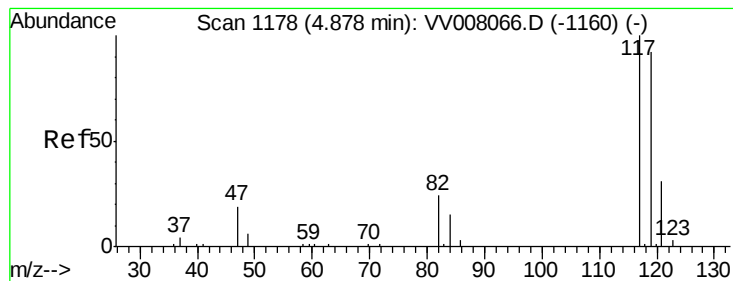
#30
 Cyclohexane
 Concen: 5.068 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 56 Resp: 46095
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.4
 84 87.7 69.8 104.8



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





#31

Carbon tetrachloride

Concen: 5.876 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

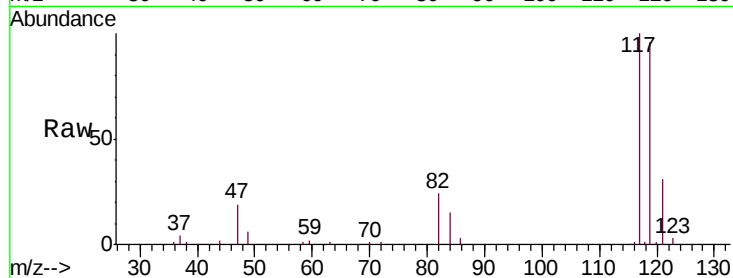
VSTD00572

Tgt Ion:117 Resp: 50124

Ion Ratio Lower Upper

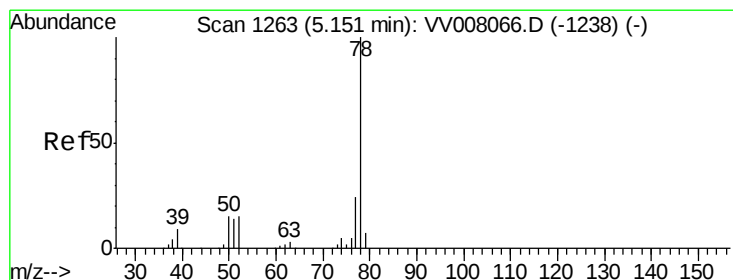
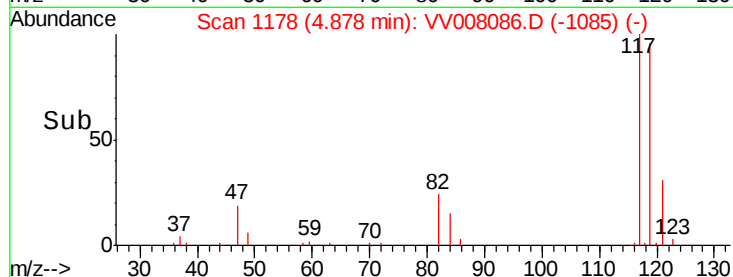
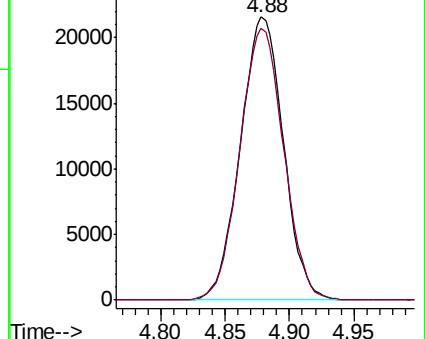
117 100

119 97.7 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.740 ug/L

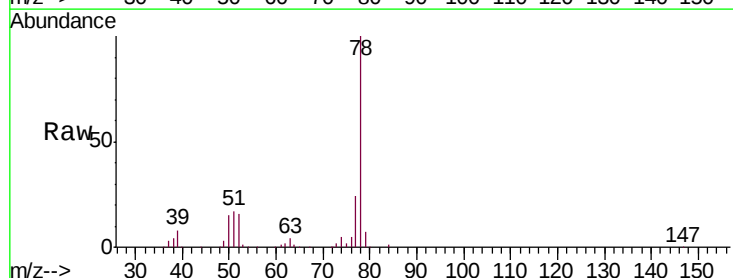
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

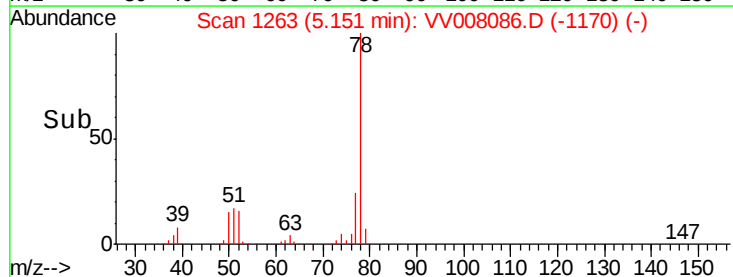
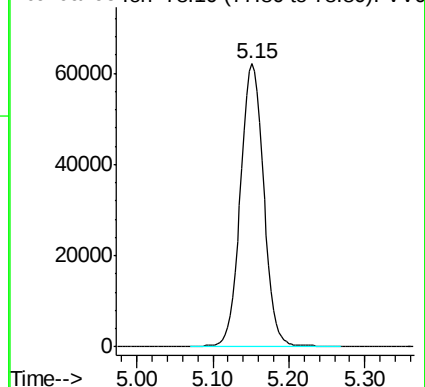
Lab File: VV008086.D

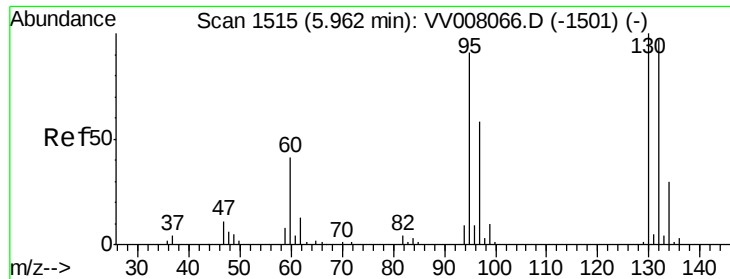
Acq: 05 Oct 2018 02:31

Tgt Ion: 78 Resp: 132241



Abundance Ion 78.10 (77.80 to 78.80): VV0

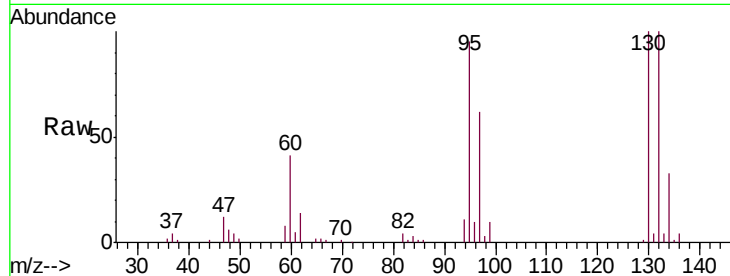




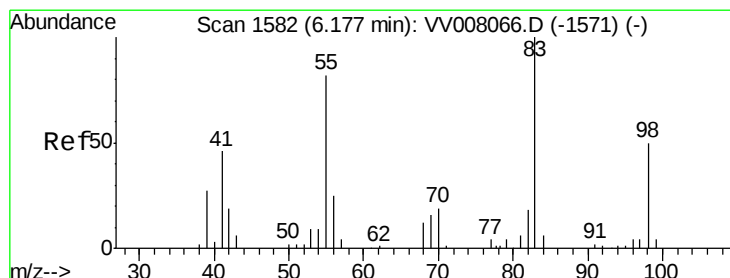
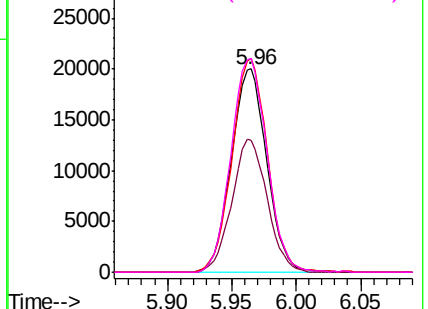
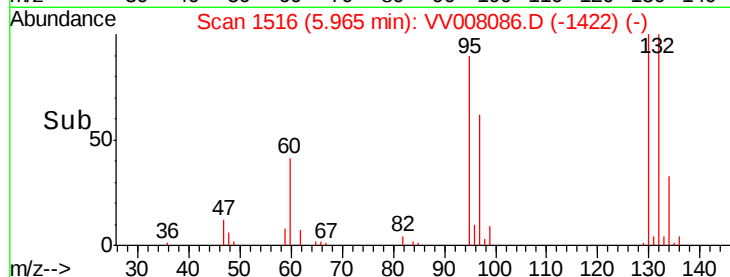
#34
 Trichloroethene
 Concen: 5.826 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion: 95 Resp: 38434
 Ion Ratio Lower Upper
 95 100
 97 64.9 43.6 81.0
 132 105.1 69.9 129.9
 130 105.2 71.7 133.3

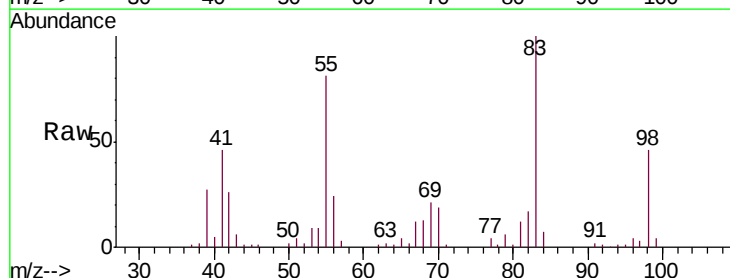


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

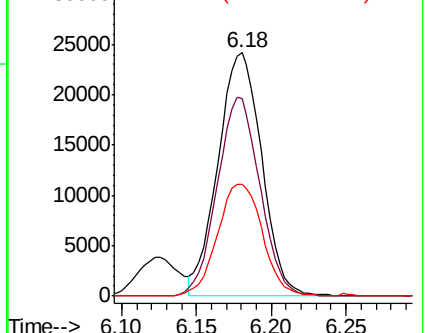
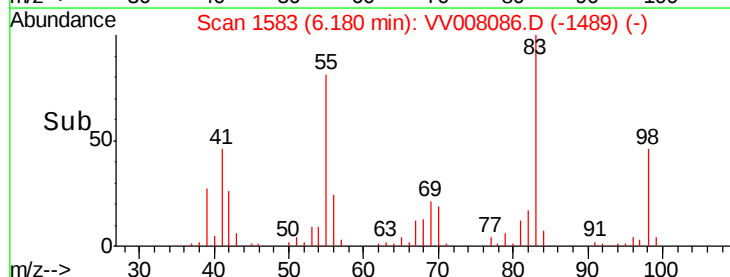


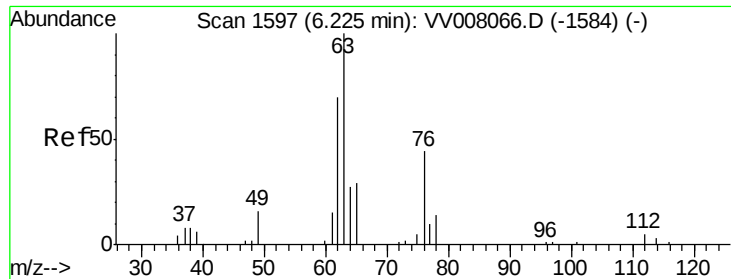
#35
 Methylcyclohexane
 Concen: 4.981 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 83 Resp: 49271
 Ion Ratio Lower Upper
 83 100
 55 79.7 62.2 93.2
 98 47.3 38.0 57.0



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

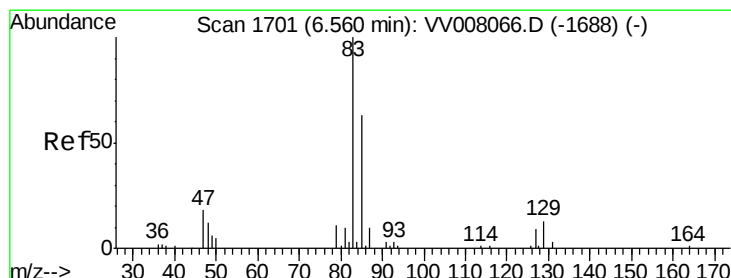
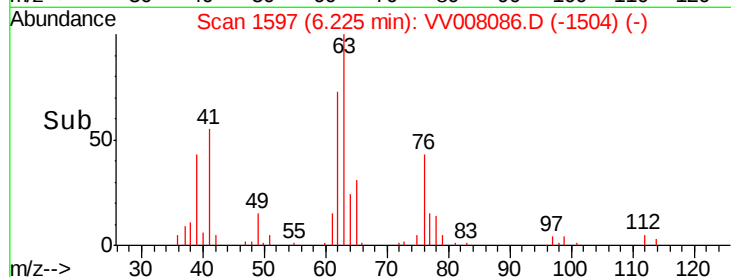
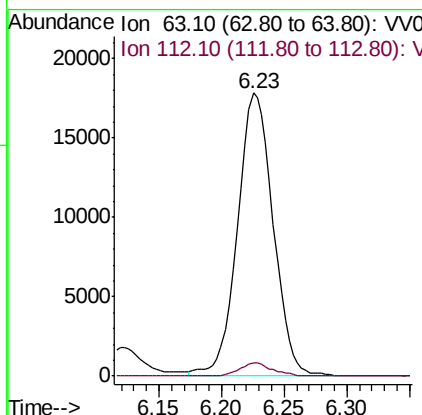
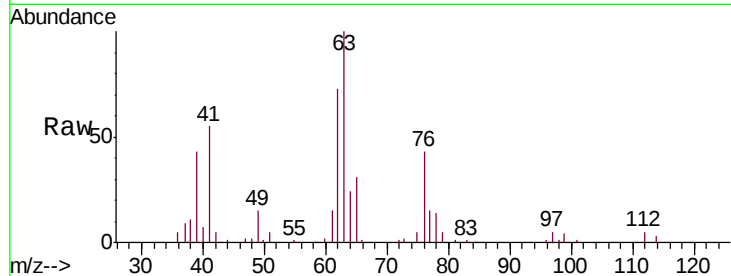




#37
 1,2-Dichloropropane
 Concen: 5.988 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

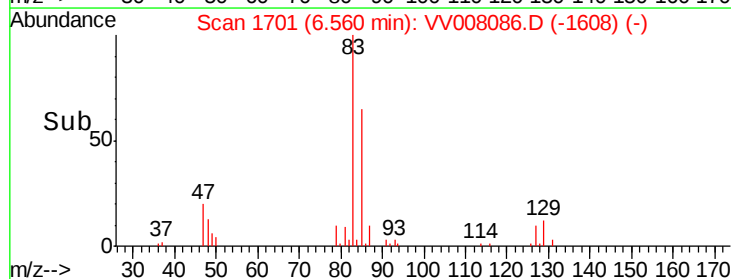
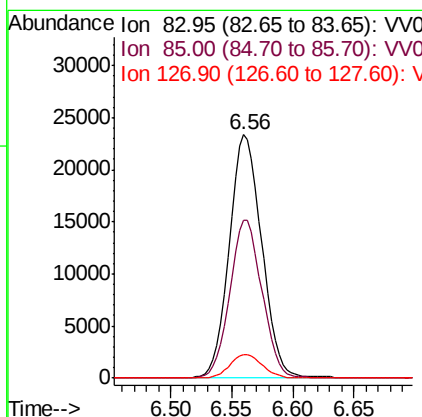
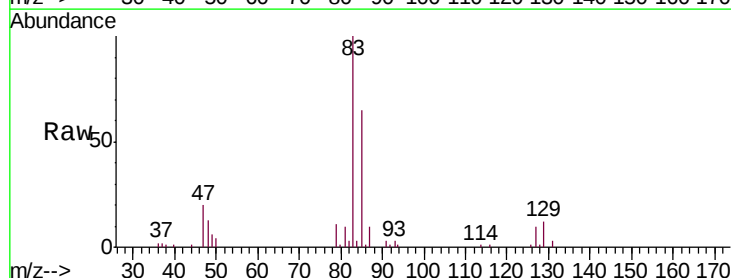
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

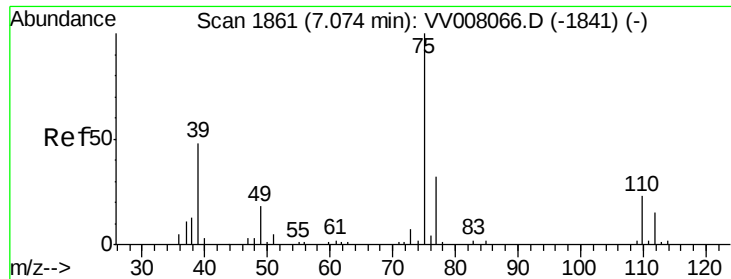
Tgt Ion: 63 Resp: 35247
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 6.145 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 83 Resp: 43250
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.7 82.9
 127 9.9 7.8 11.6

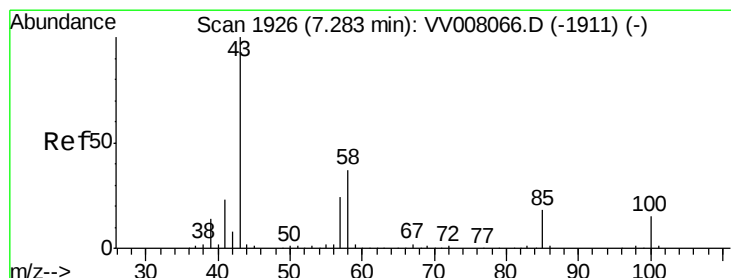
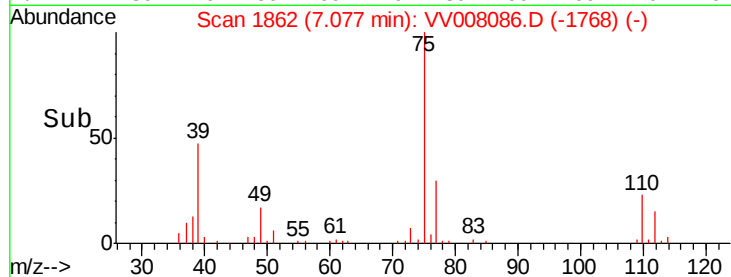
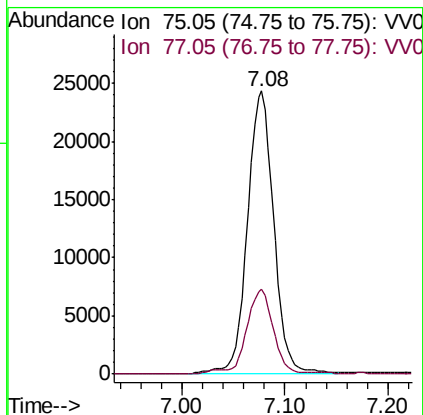
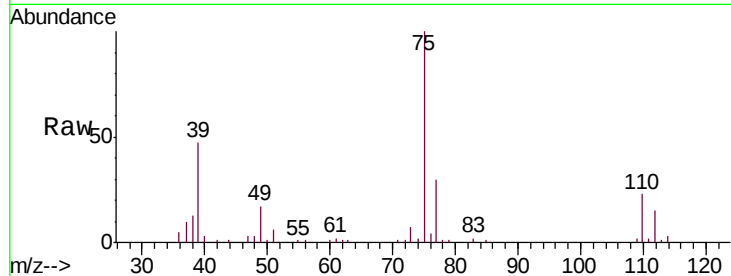




#39
 cis-1,3-Dichloropropene
 Concen: 5.490 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

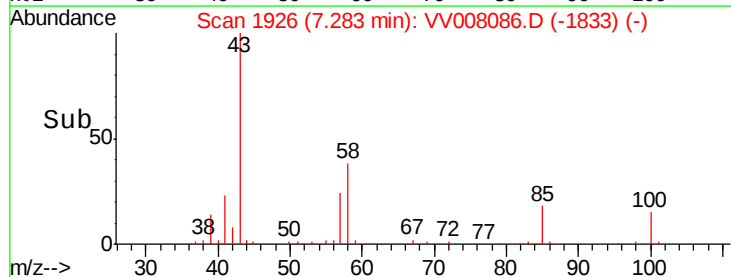
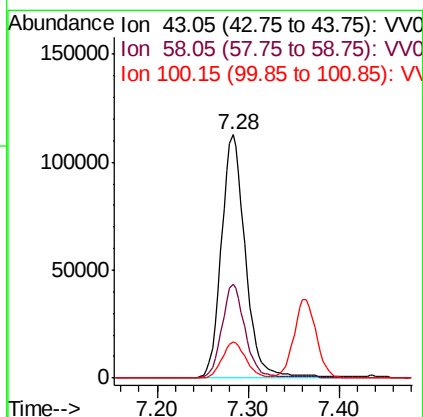
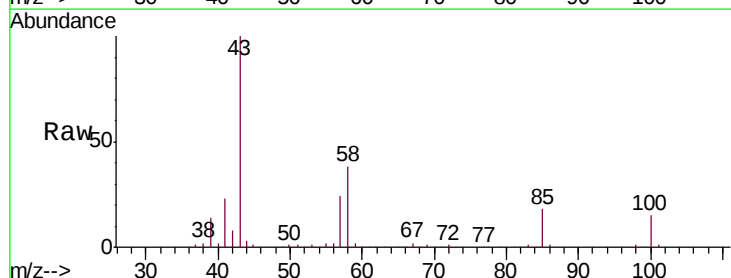
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00572

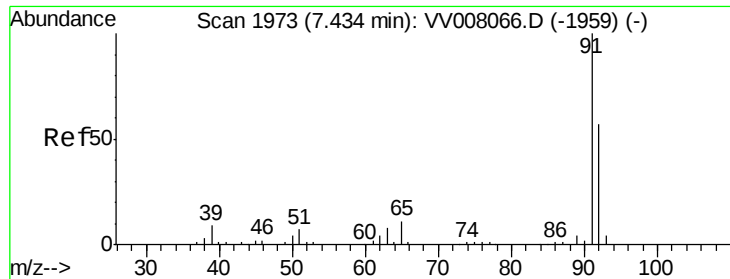
Tgt Ion: 75 Resp: 43224
 Ion Ratio Lower Upper
 75 100
 77 29.8 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 55.945 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 43 Resp: 206682
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.4 44.0
 100 14.5 11.5 17.3





#42

Toluene

Concen: 5.771 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

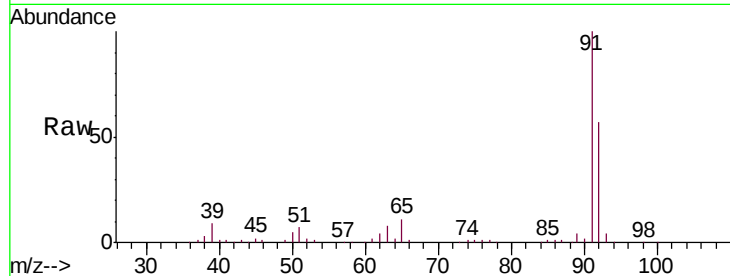
VSTD00572

Tgt Ion: 91 Resp: 144806

Ion Ratio Lower Upper

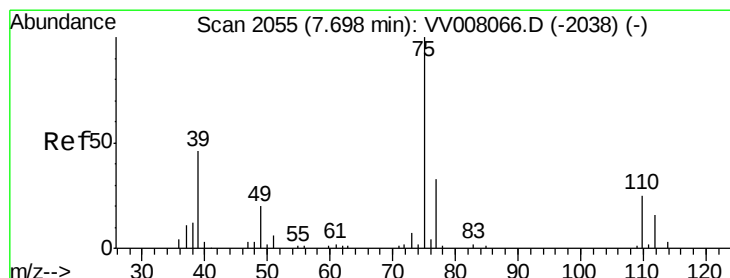
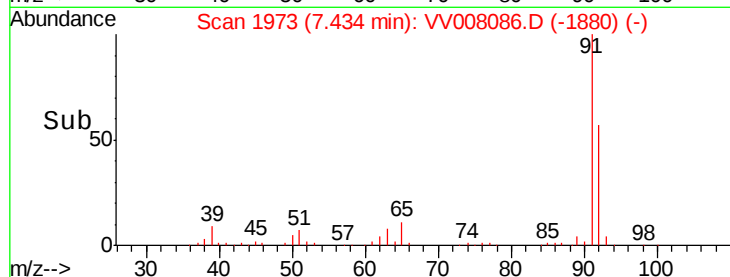
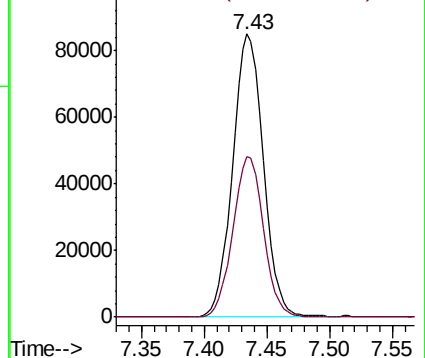
91 100

92 56.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV008086.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008086.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.510 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008086.D

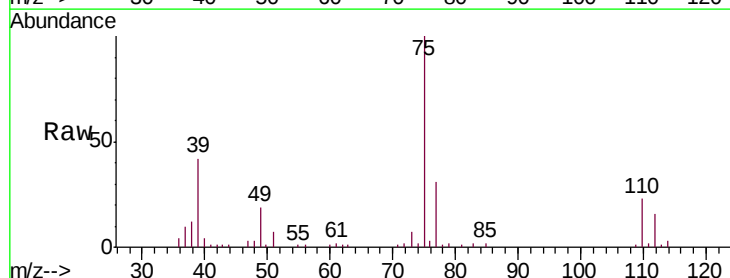
Acq: 05 Oct 2018 02:31

Tgt Ion: 75 Resp: 36061

Ion Ratio Lower Upper

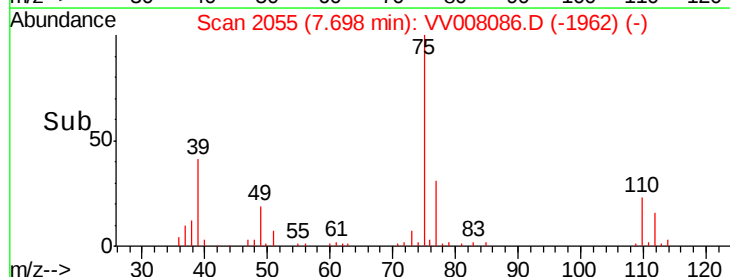
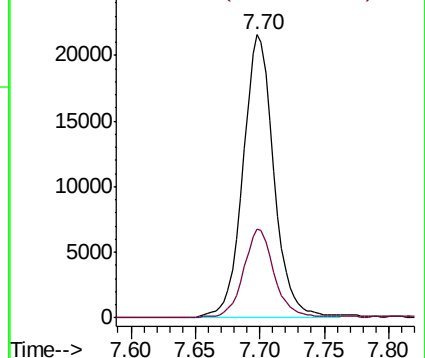
75 100

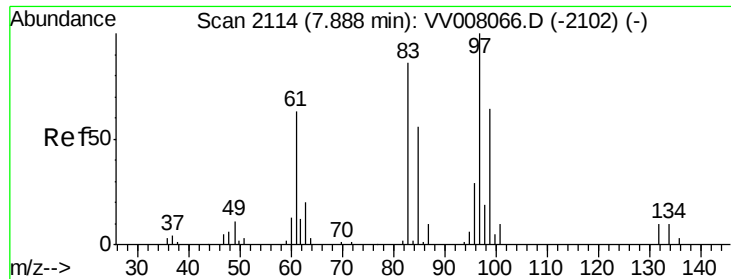
77 31.4 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008086.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008086.D (-2038) (-)

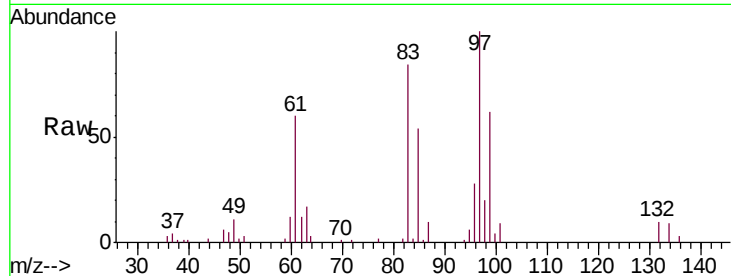




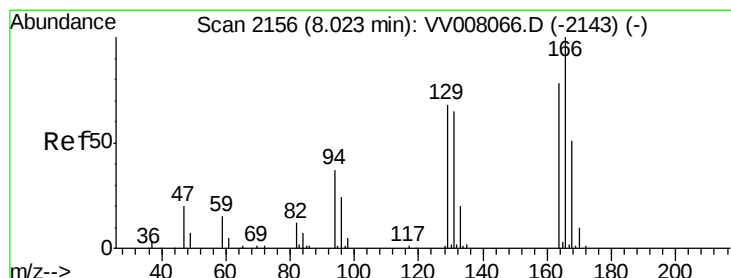
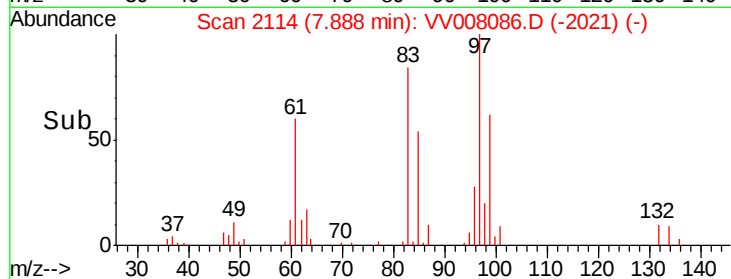
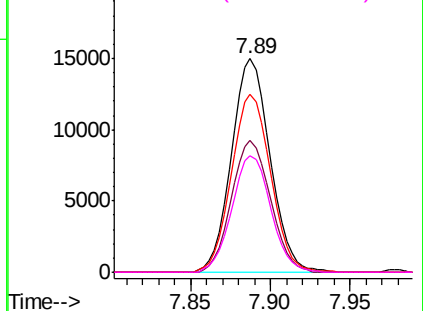
#45
 1,1,2-Trichloroethane
 Concen: 5.796 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion:	97	Resp:	24619
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.5	80.9
83	83.6	59.7	110.9
85	54.5	39.5	73.3

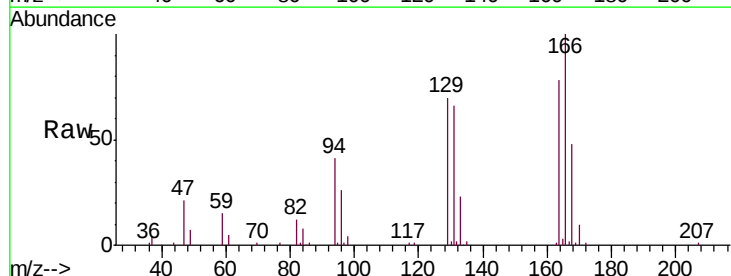


Abundance Ion 96.95 (96.65 to 97.65): VV008086.D (-2102) (-)
 Ion 99.05 (98.75 to 99.75): VV008086.D (-2102) (-)
 Ion 82.95 (82.65 to 83.65): VV008086.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV008086.D (-2102) (-)

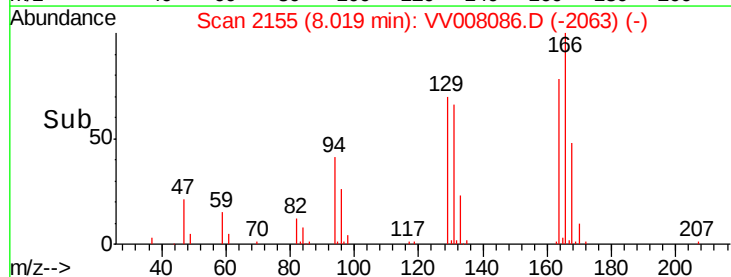
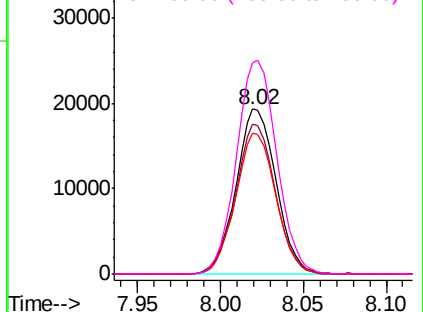


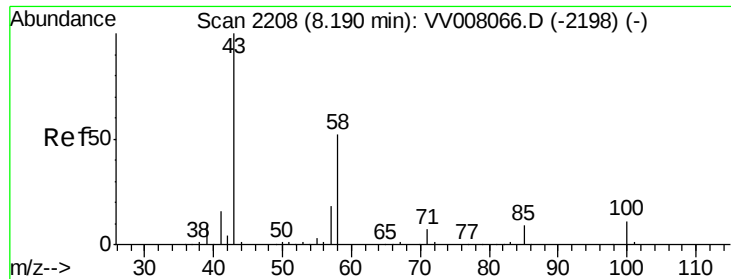
#47
 Tetrachloroethene
 Concen: 5.331 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion:	164	Resp:	32588
Ion	Ratio	Lower	Upper
164	100		
129	90.5	59.2	110.0
131	85.3	57.1	106.1
166	128.5	88.6	164.6



Abundance Ion 163.90 (163.60 to 164.60): VV008086.D (-2143) (-)
 Ion 128.95 (128.65 to 129.65): VV008086.D (-2143) (-)
 Ion 130.95 (130.65 to 131.65): VV008086.D (-2143) (-)
 Ion 165.90 (165.60 to 166.60): VV008086.D (-2143) (-)





#48

2-Hexanone

Concen: 57.820 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

Tgt Ion: 43 Resp: 148565

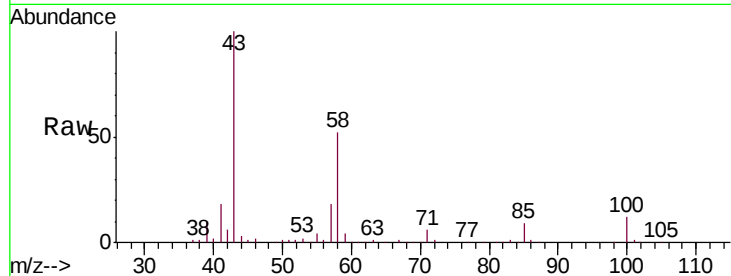
Ion Ratio Lower Upper

43 100

58 50.9 41.9 62.9

57 17.9 14.3 21.5

100 11.5 9.2 13.8

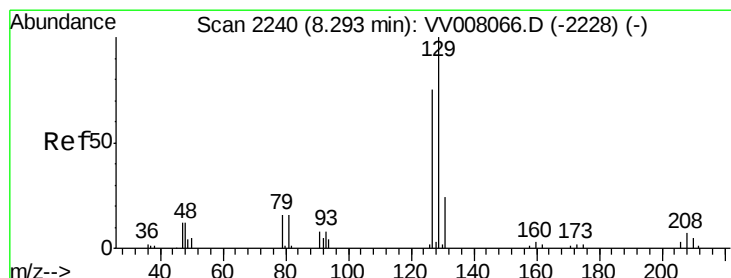
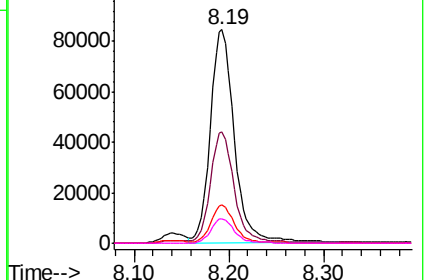
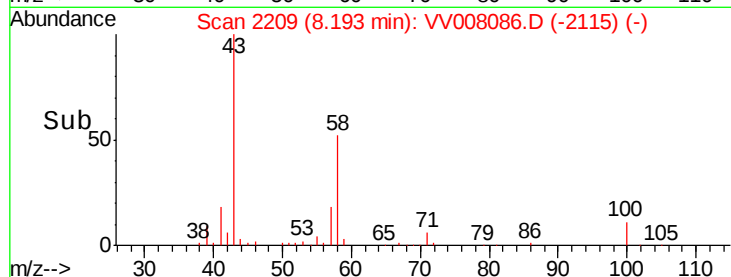


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 6.328 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VV008086.D

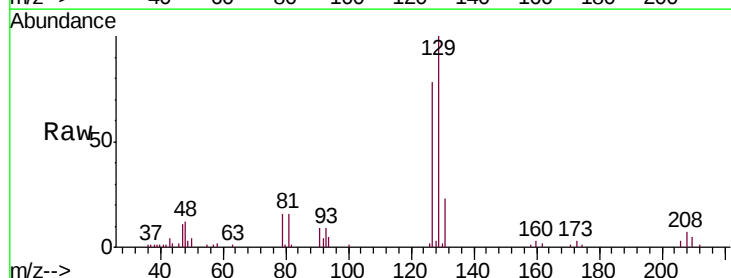
Acq: 05 Oct 2018 02:31

Tgt Ion: 129 Resp: 30684

Ion Ratio Lower Upper

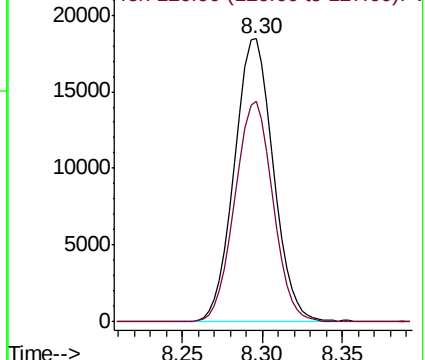
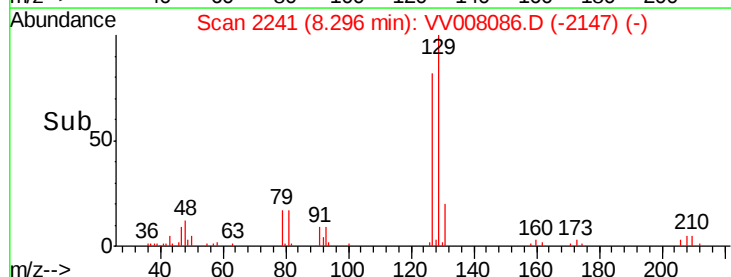
129 100

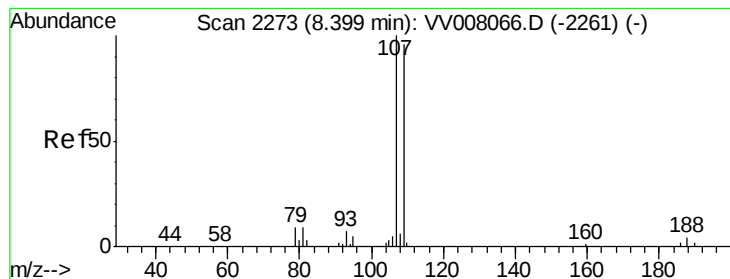
127 78.2 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.845 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

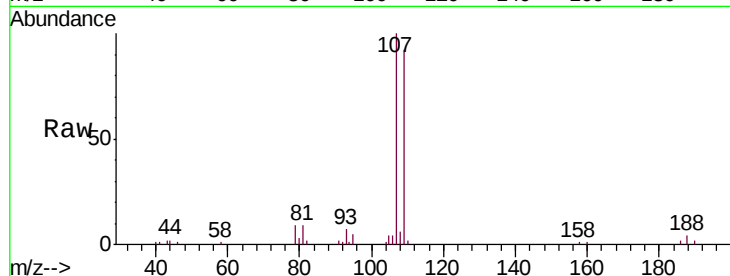
Tgt Ion:107 Resp: 22694

Ion Ratio Lower Upper

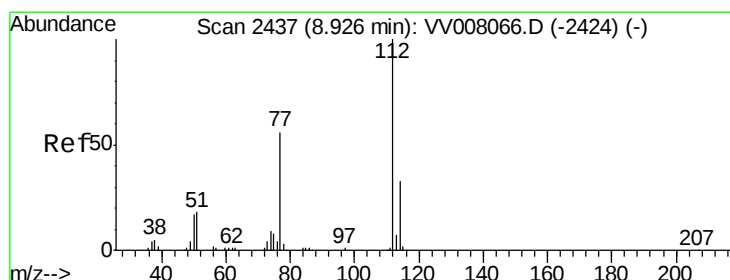
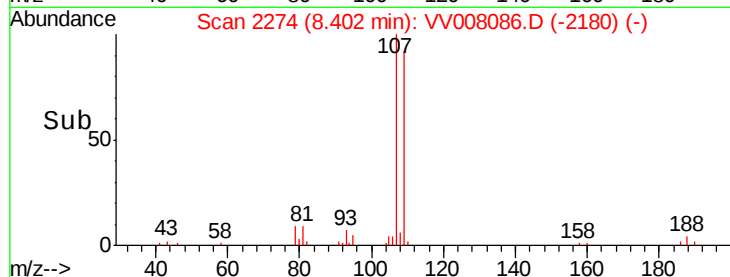
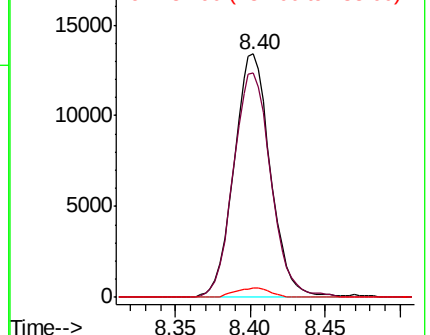
107 100

109 92.3 64.9 120.5

188 3.7 4.0 6.0#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.575 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

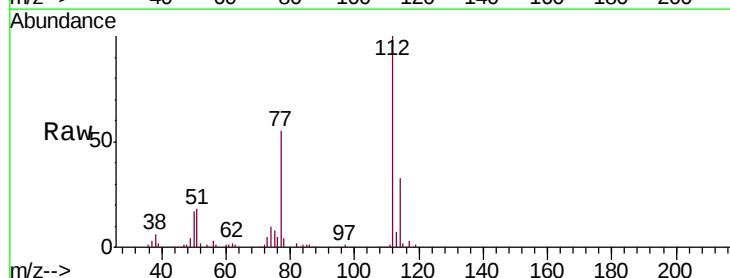
Tgt Ion:112 Resp: 96615

Ion Ratio Lower Upper

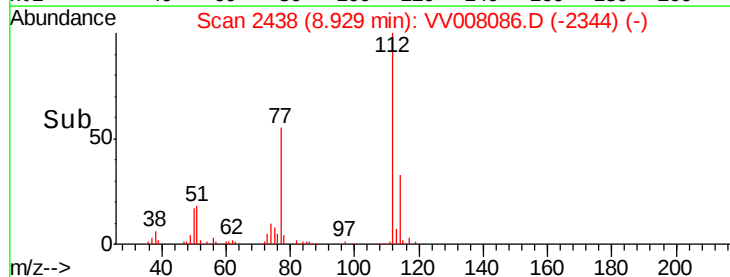
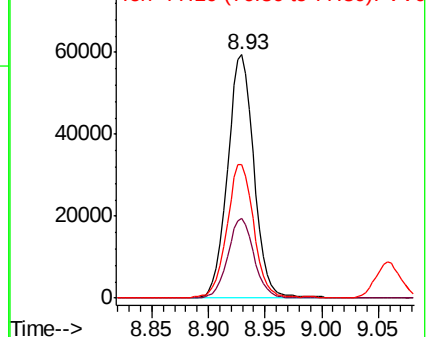
112 100

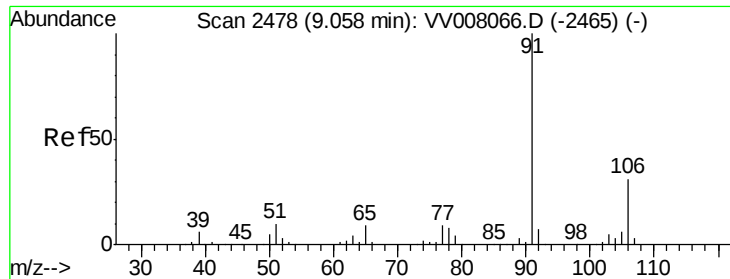
114 32.5 22.4 41.6

77 54.9 45.0 67.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.461 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

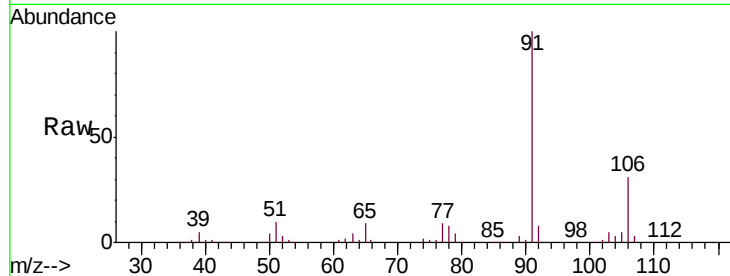
VSTD00572

Tgt Ion: 91 Resp: 152848

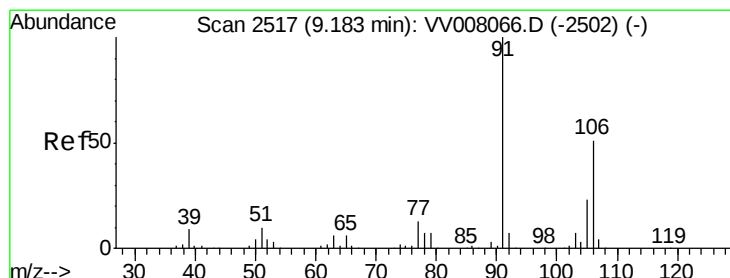
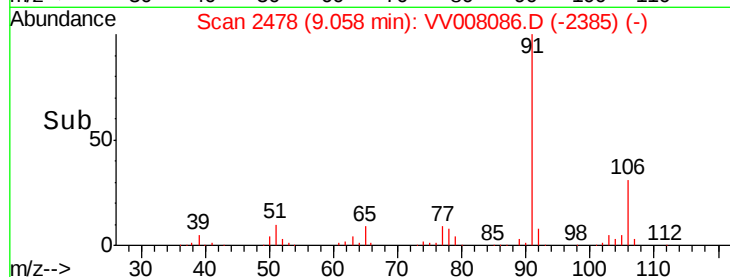
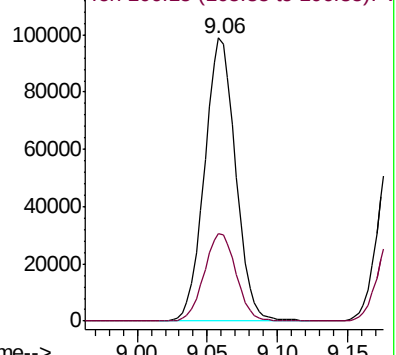
Ion Ratio Lower Upper

91 100

106 31.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV008086.D (-2465) (-)



#53

m,p-xylene

Concen: 5.584 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008086.D

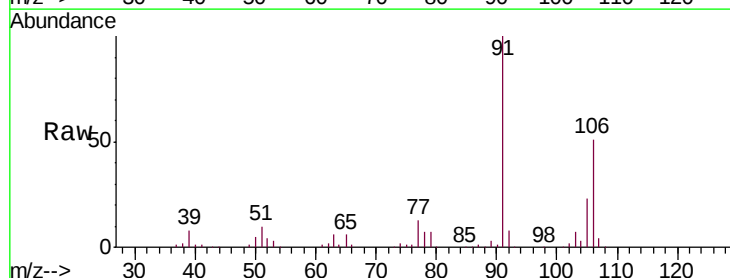
Acq: 05 Oct 2018 02:31

Tgt Ion: 106 Resp: 59517

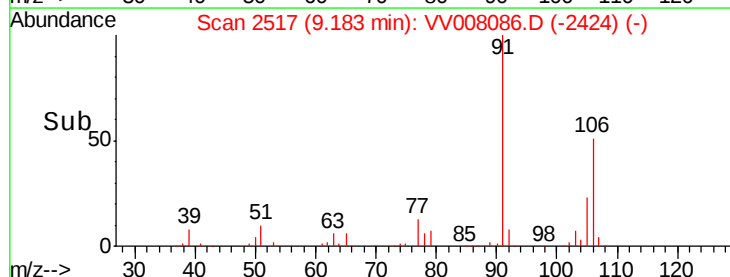
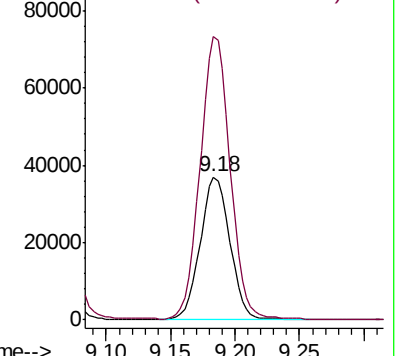
Ion Ratio Lower Upper

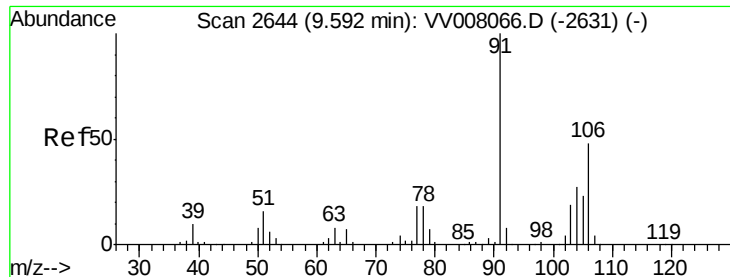
106 100

91 197.8 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV008086.D (-2502) (-)





#54

o-xylene

Concen: 5.549 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

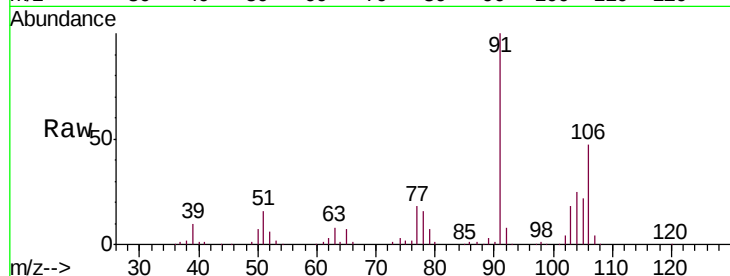
VSTD00572

Tgt Ion:106 Resp: 57131

Ion Ratio Lower Upper

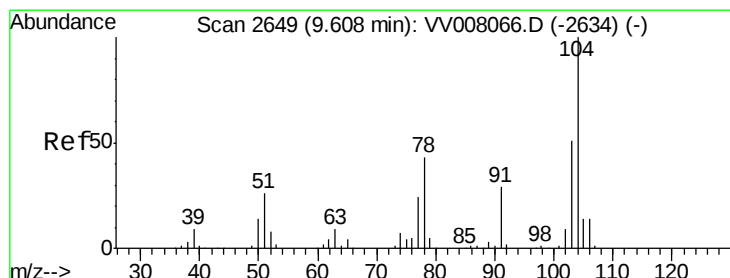
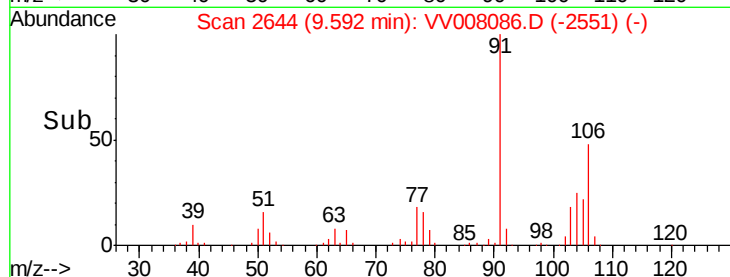
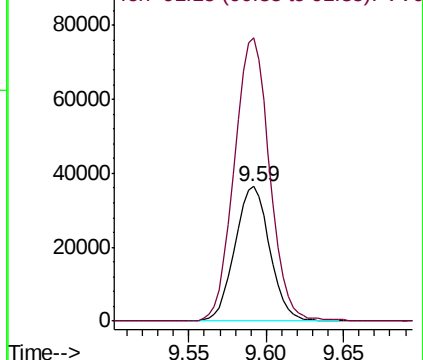
106 100

91 210.6 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.716 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008086.D

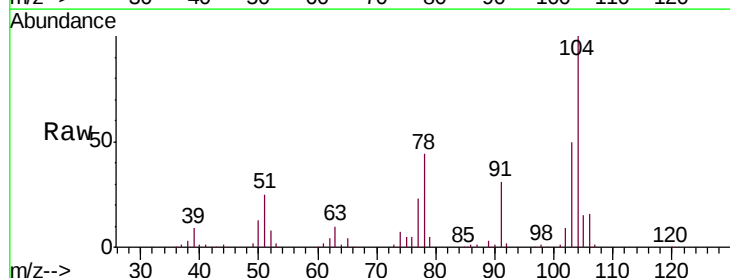
Acq: 05 Oct 2018 02:31

Tgt Ion:104 Resp: 100491

Ion Ratio Lower Upper

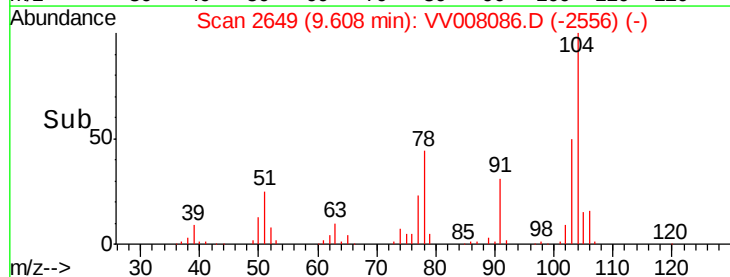
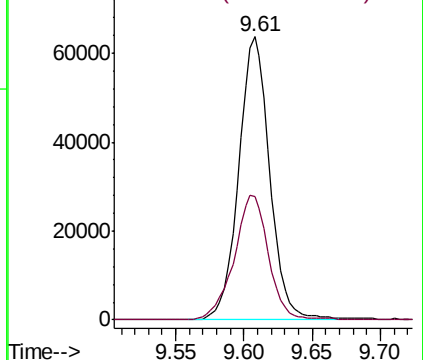
104 100

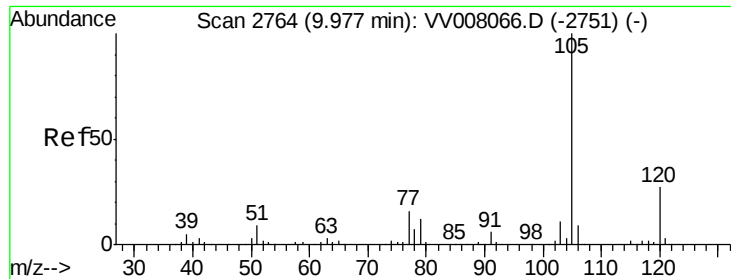
78 43.6 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.602 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

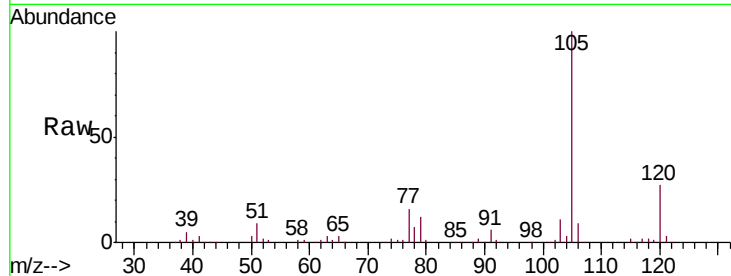
Tgt Ion: 105 Resp: 156186

Ion Ratio Lower Upper

105 100

120 27.7 21.4 32.0

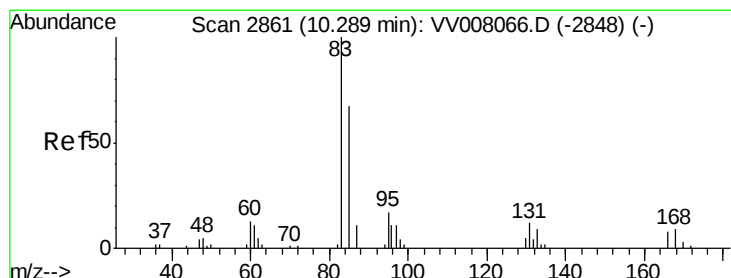
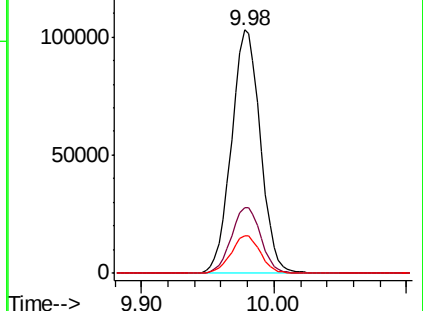
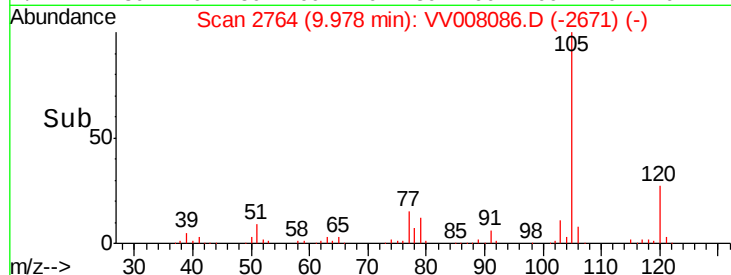
77 15.6 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.932 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

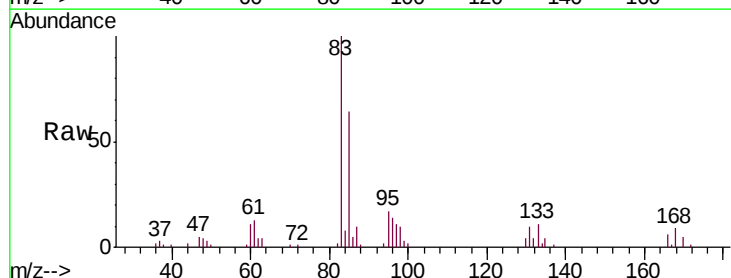
Tgt Ion: 83 Resp: 29592

Ion Ratio Lower Upper

83 100

85 64.1 43.7 81.1

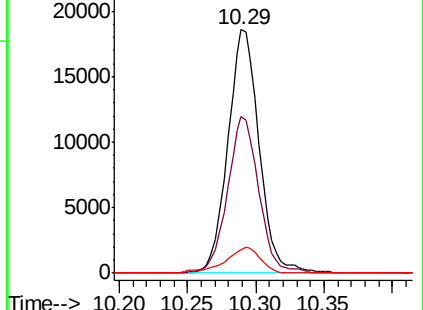
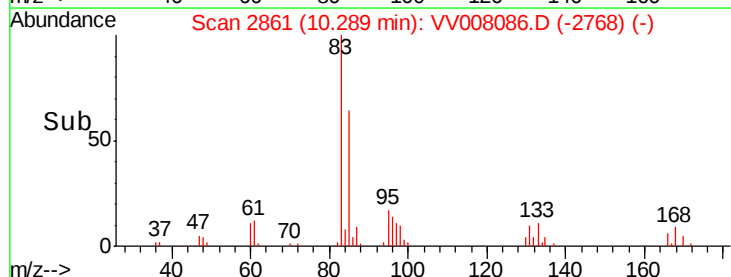
131 9.8 9.0 13.4

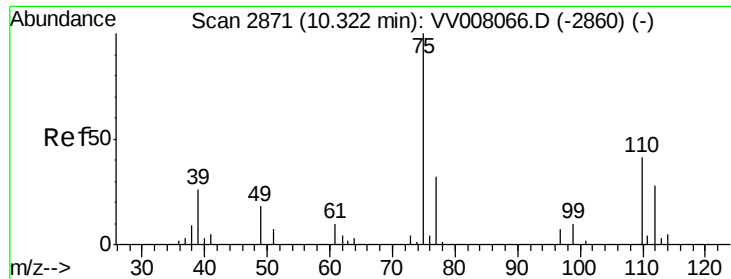


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

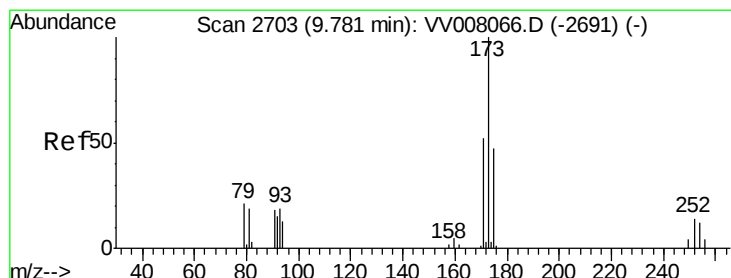
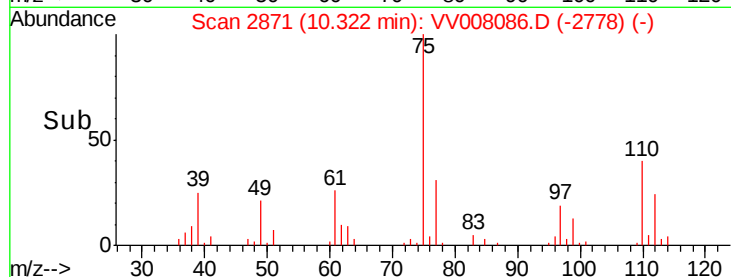
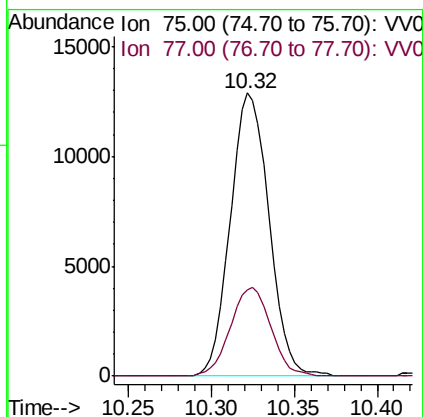
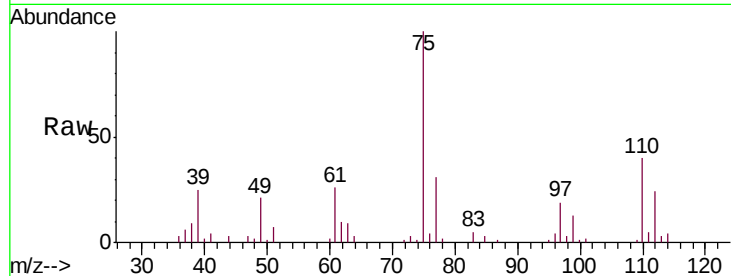




#59
 1,2,3-Trichloropropane
 Concen: 5.713 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

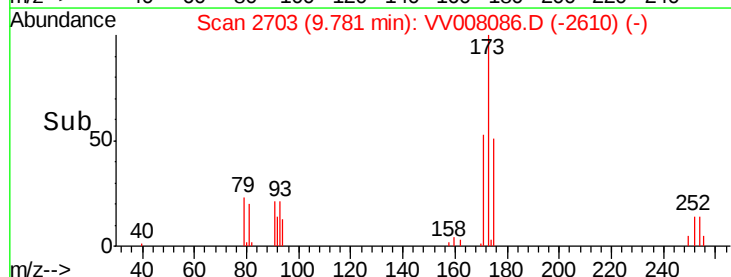
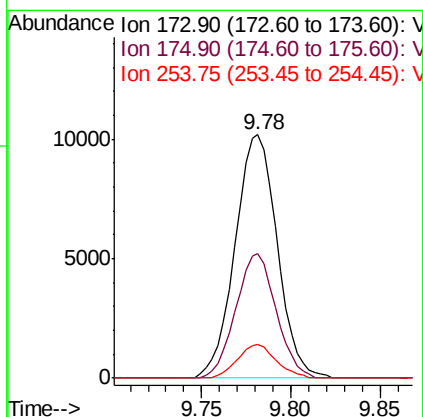
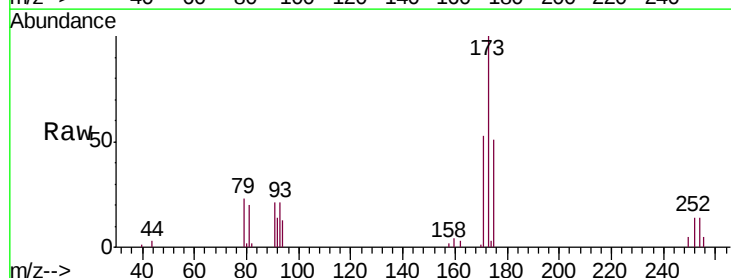
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

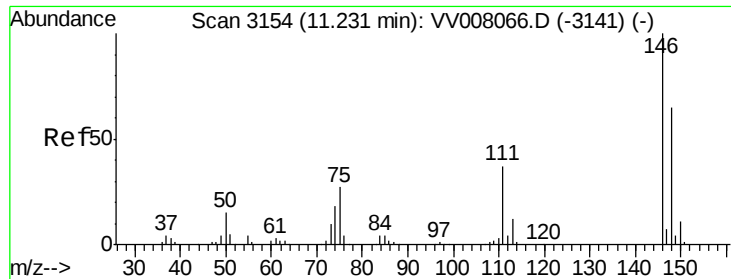
Tgt Ion: 75 Resp: 20923
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6



#61
 Bromoform
 Concen: 6.186 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion: 173 Resp: 16754
 Ion Ratio Lower Upper
 173 100
 175 48.8 41.0 61.6
 254 12.6 9.6 14.4

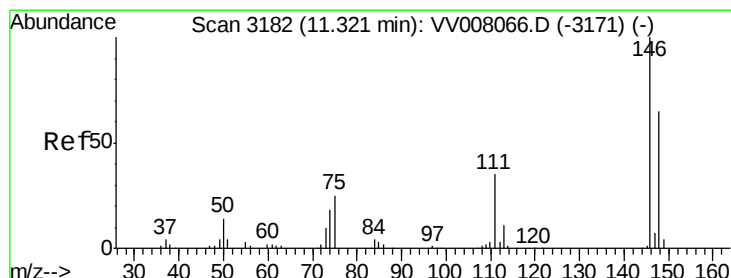
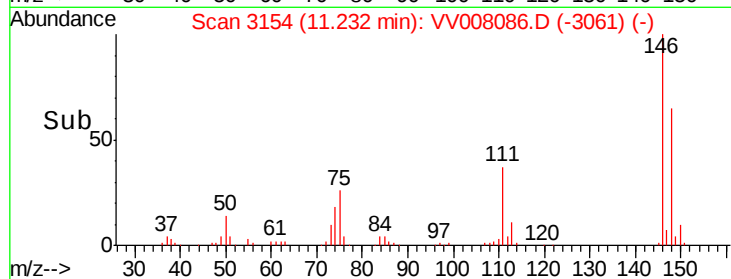
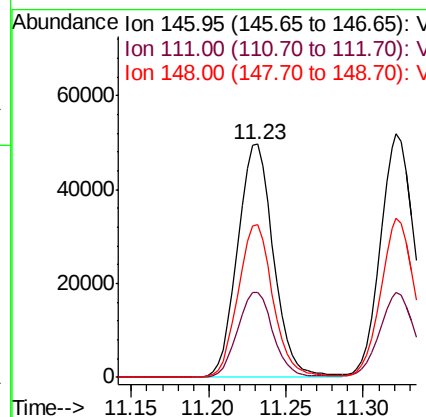
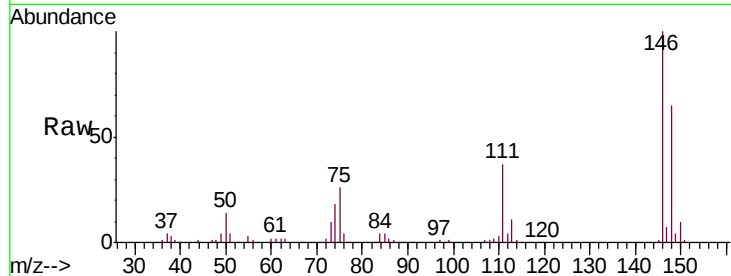




#62
 1,3-Dichlorobenzene
 Concen: 5.389 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

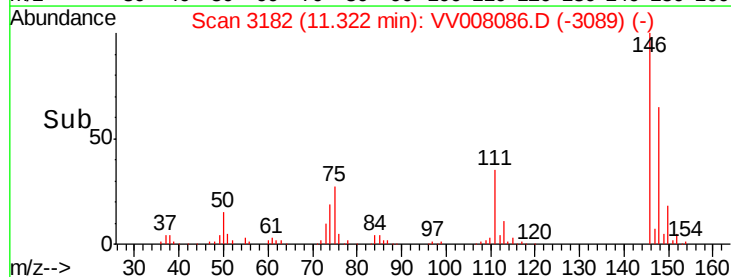
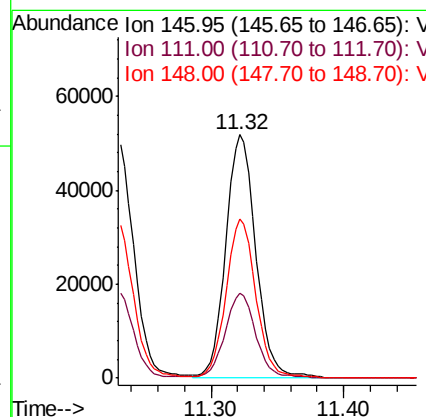
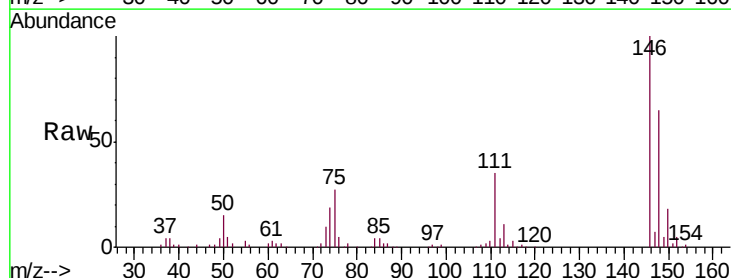
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

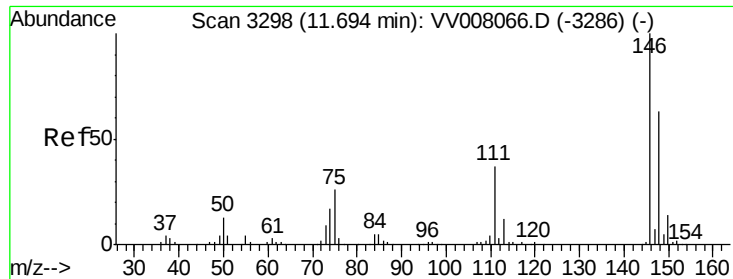
Tgt Ion:146 Resp: 80219
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.8 48.0
 148 65.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.285 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion:146 Resp: 81809
 Ion Ratio Lower Upper
 146 100
 111 34.8 25.3 47.1
 148 65.5 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 5.494 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

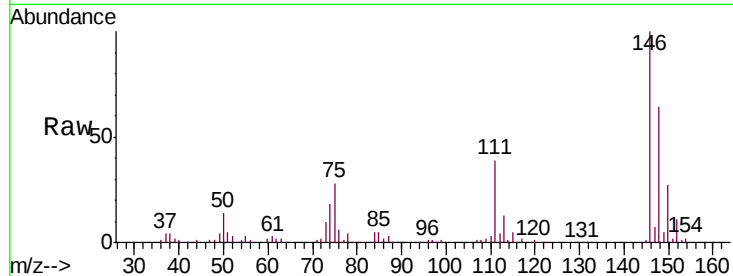
Tgt Ion:146 Resp: 77109

Ion Ratio Lower Upper

146 100

111 38.7 31.2 46.8

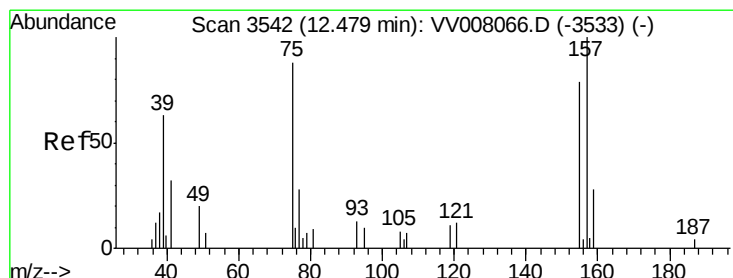
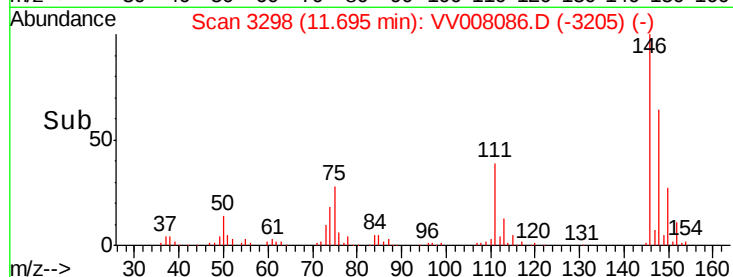
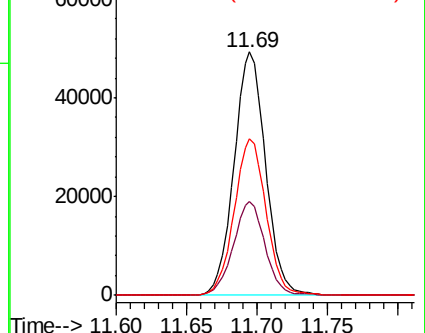
148 64.4 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.662 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

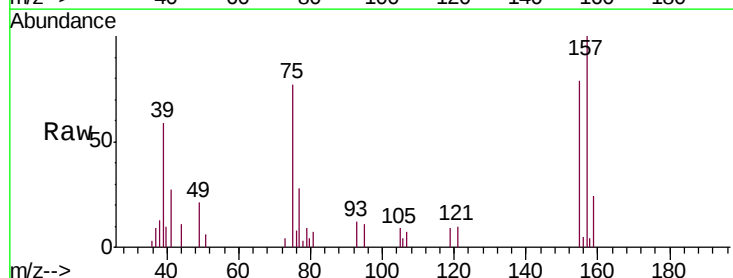
Tgt Ion: 75 Resp: 4048

Ion Ratio Lower Upper

75 100

155 103.4 83.4 125.2

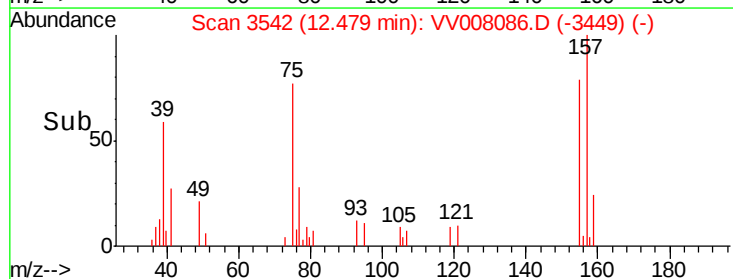
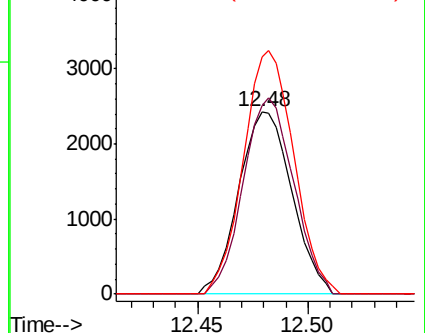
157 130.1 93.9 140.9

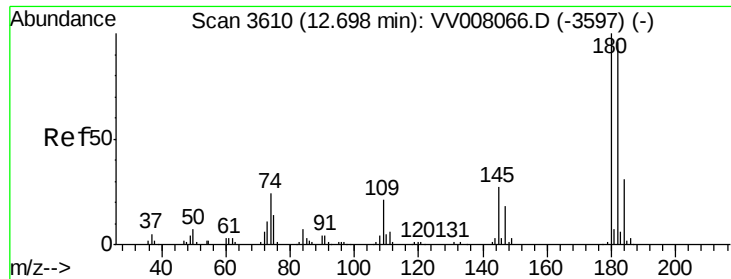


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

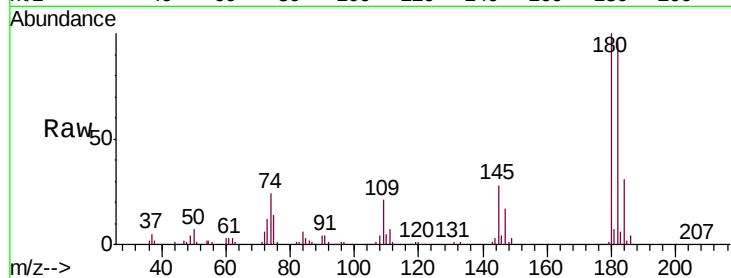




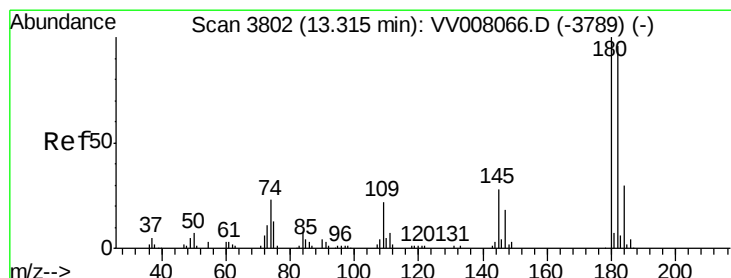
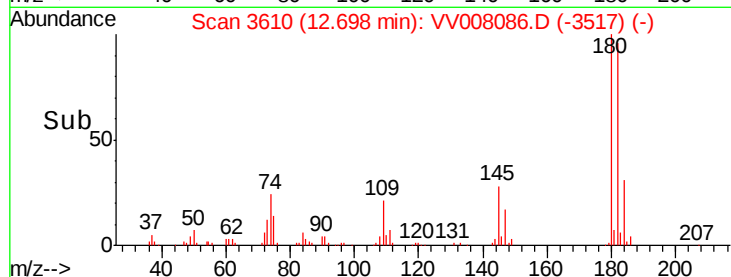
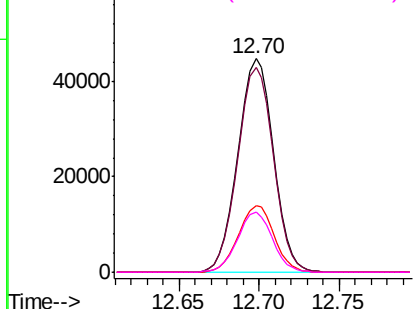
#67
 1,3,5-Trichlorobenzene
 Concen: 5.316 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tgt Ion:180 Resp: 67762
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 184 31.1 24.5 36.7
 145 27.6 22.2 33.4

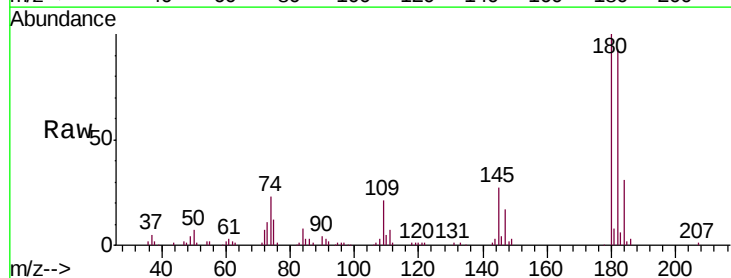


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

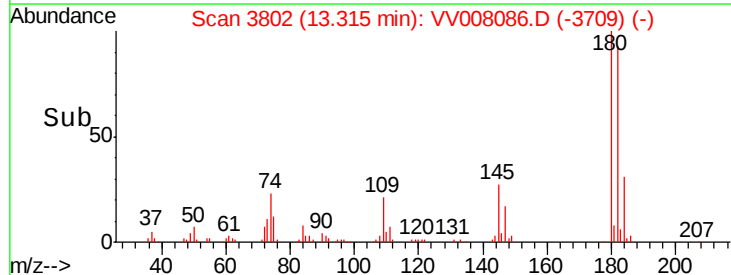
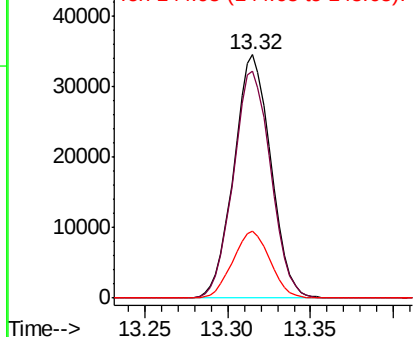


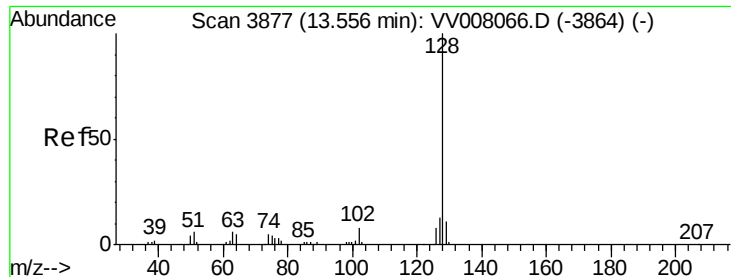
#68
 1,2,4-trichlorobenzene
 Concen: 4.967 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008086.D
 Acq: 05 Oct 2018 02:31

Tgt Ion:180 Resp: 53516
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.4 116.2
 145 27.7 22.6 33.8



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: 4.576 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

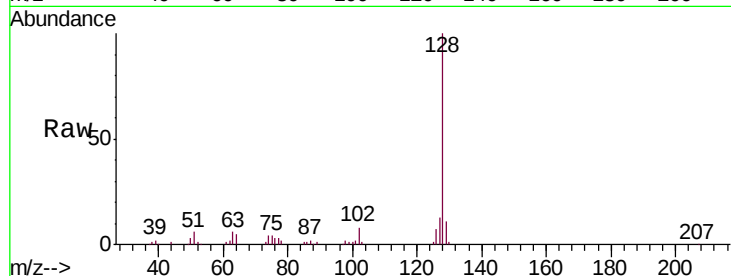
Tgt Ion:128 Resp: 68961

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

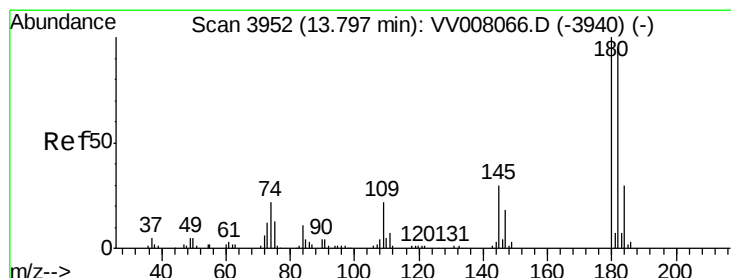
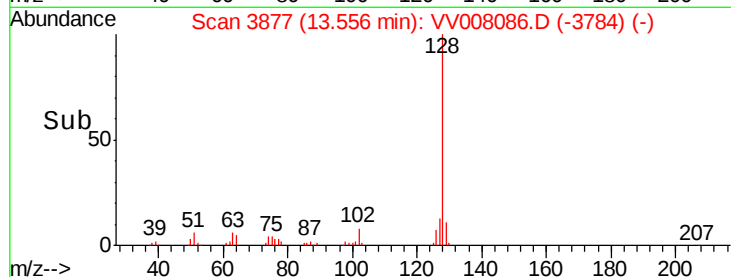
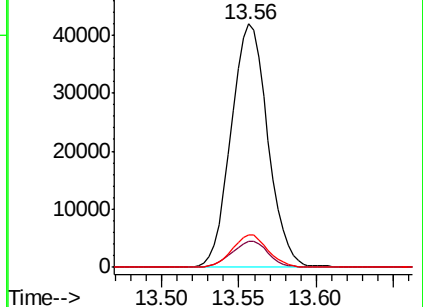
127 12.9 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.249 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008086.D

Acq: 05 Oct 2018 02:31

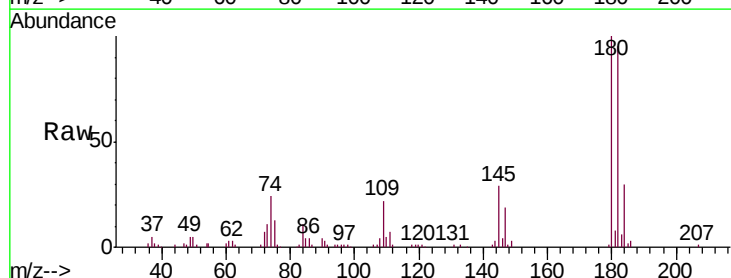
Tgt Ion:180 Resp: 51213

Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

145 28.8 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

