

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008802.D
 Acq On : 30 Nov 2018 07:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Nov 30 08:23:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 06:23:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	146824	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65959	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46553	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.59	69	31062	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.14	63	82291	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	3.96	46	105622	46.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.86%
24) Chloroform-d	4.41	84	96552	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	45609	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	197094	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	56786	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	184937	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.67	79	18631	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	88022	51.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37343	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	63916	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	64650	4.977 ug/L	100
3) Chloromethane	1.25	50	47057	4.838 ug/L	96
5) Vinyl chloride	1.33	62	48519	5.014 ug/L	98
6) Bromomethane	1.54	94	29329	4.831 ug/L	98
8) Chloroethane	1.60	64	24323	4.390 ug/L	94
9) Trichlorofluoromethane	1.78	101	76826	5.315 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	40976	4.954 ug/L	100
12) 1,1-Dichloroethene	2.14	96	36658	5.077 ug/L	98
13) Acetone	2.21	43	53088	46.821 ug/L	100
14) Carbon disulfide	2.32	76	101235	4.831 ug/L	100
15) Methyl Acetate	2.47	43	14349	4.729 ug/L	97
16) Methylene chloride	2.54	84	37998	4.666 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	91379	5.139 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	39975	5.038 ug/L	98
19) 1,1-Dichloroethane	3.23	63	89077	5.051 ug/L	98
21) 2-Butanone	4.05	43	109019	47.965 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	56199	5.041 ug/L	98

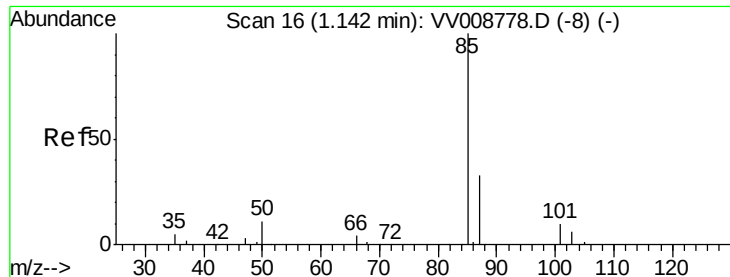
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008802.D
 Acq On : 30 Nov 2018 07:51
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Nov 30 08:23:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 06:23:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	22695	4.962	ug/L	97
25) Chloroform	4.43	83	93935	4.901	ug/L	97
27) 1,2-Dichloroethane	5.19	62	54127	4.915	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	79464	5.072	ug/L	99
30) Cyclohexane	4.73	56	80063	4.853	ug/L	99
31) Carbon tetrachloride	4.88	117	67943	5.010	ug/L	100
33) Benzene	5.15	78	201997	5.019	ug/L	100
34) Trichloroethene	5.96	95	57222	5.113	ug/L	97
35) Methylcyclohexane	6.18	83	86024	4.847	ug/L	99
37) 1,2-Dichloropropane	6.23	63	49697	4.967	ug/L	99
38) Bromodichloromethane	6.56	83	57969	5.074	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	63424	4.827	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	263985	50.978	ug/L	100
42) Toluene	7.43	91	217589	5.165	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	48215	4.655	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	34531	5.202	ug/L	98
47) Tetrachloroethene	8.02	164	44198	5.107	ug/L	99
48) 2-Hexanone	8.19	43	190304	52.347	ug/L	99
49) Dibromochloromethane	8.29	129	36707	5.079	ug/L	99
50) 1,2-Dibromoethane	8.40	107	32117	5.155	ug/L	95
51) Chlorobenzene	8.93	112	139890	5.044	ug/L	99
52) Ethylbenzene	9.06	91	227882	4.999	ug/L	99
53) m,p-xylene	9.18	106	88091	5.153	ug/L	95
54) o-xylene	9.59	106	84128	5.101	ug/L	99
55) Styrene	9.61	104	140101	5.109	ug/L	99
56) Isopropylbenzene	9.98	105	225004	5.009	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	36244	5.120	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	29250	5.095	ug/L	96
61) Bromoform	9.78	173	17536	4.903	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	105512	4.860	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	105605	4.917	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	101185	4.940	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4693	4.653	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	79411	4.984	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	59676	5.077	ug/L	99
69) Naphthalene	13.56	128	85867	4.996	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	57529	5.246	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.977 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

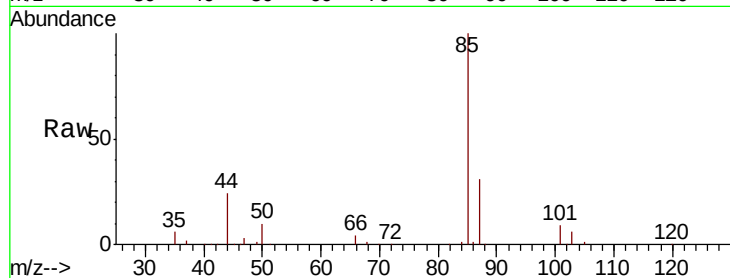
VSTD00571

Tgt Ion: 85 Resp: 64650

Ion Ratio Lower Upper

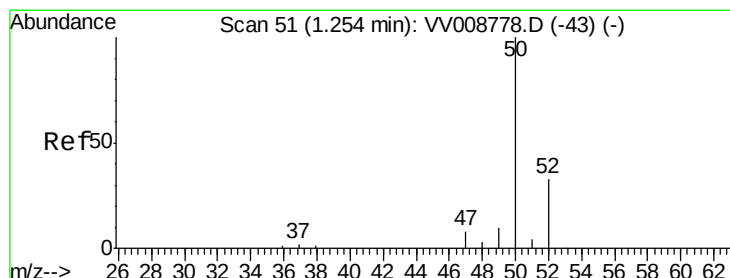
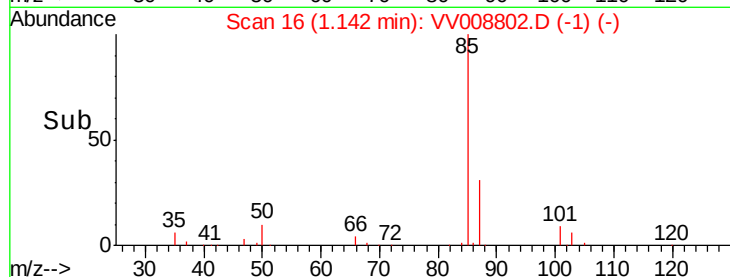
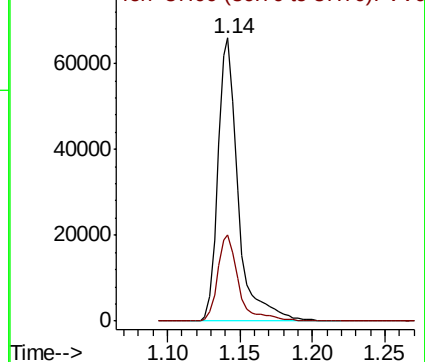
85 100

87 31.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.838 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008802.D

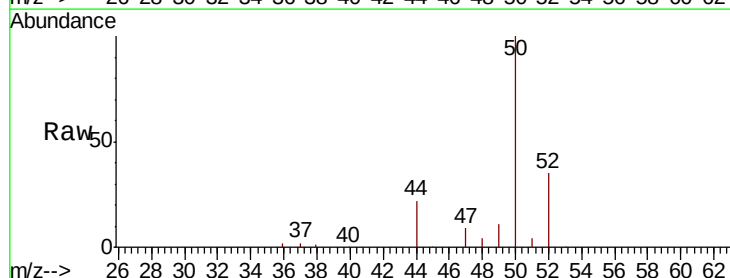
Acq: 30 Nov 2018 07:51

Tgt Ion: 50 Resp: 47057

Ion Ratio Lower Upper

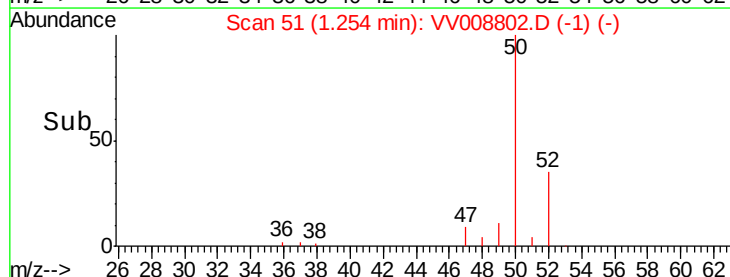
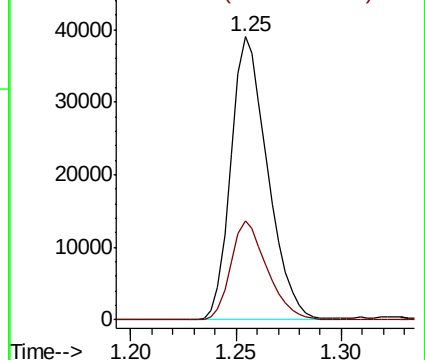
50 100

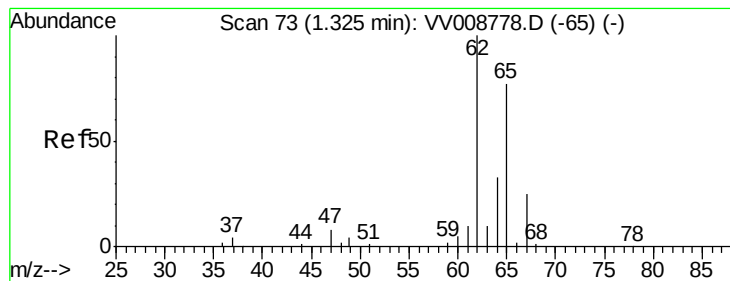
52 34.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.014 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

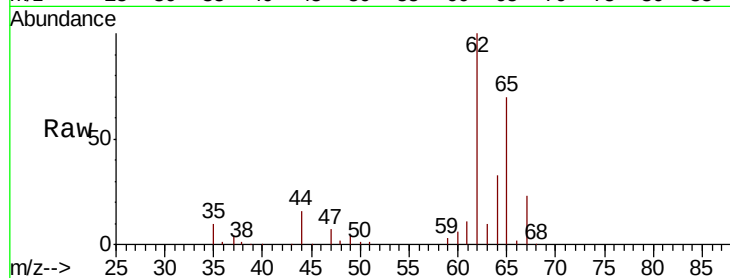
VSTD00571

Tgt Ion: 62 Resp: 48519

Ion Ratio Lower Upper

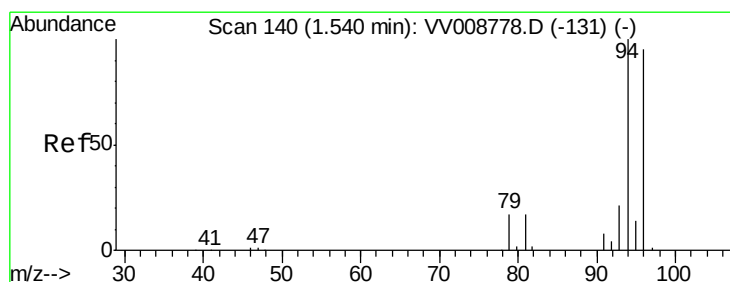
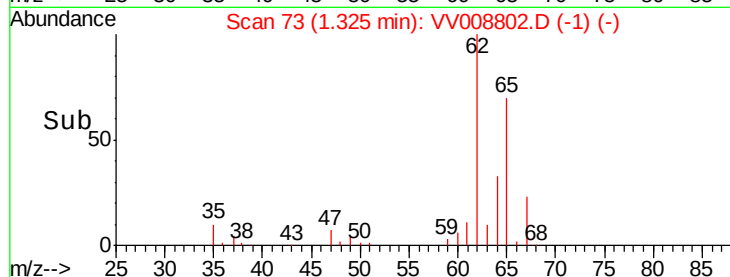
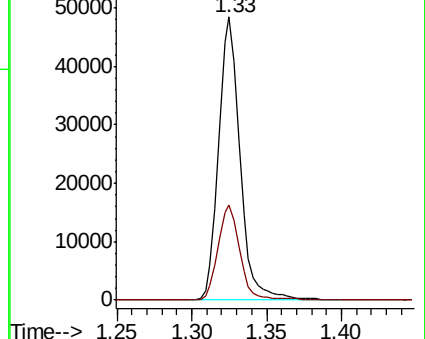
62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.831 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008802.D

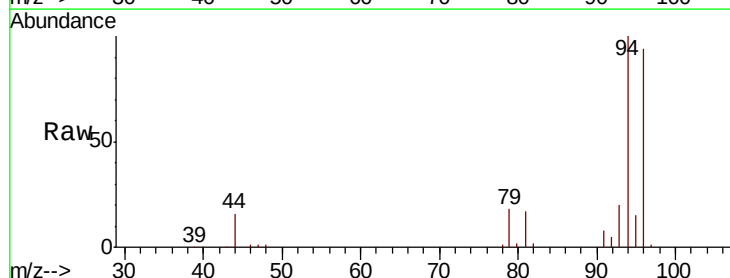
Acq: 30 Nov 2018 07:51

Tgt Ion: 94 Resp: 29329

Ion Ratio Lower Upper

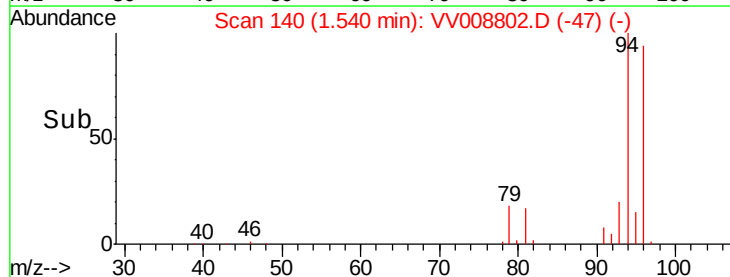
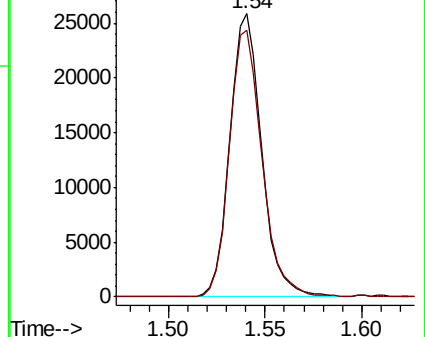
94 100

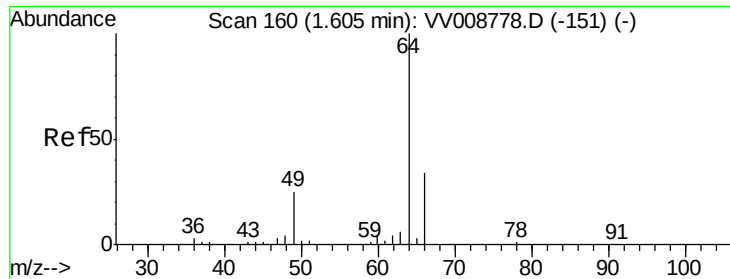
96 94.2 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.390 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

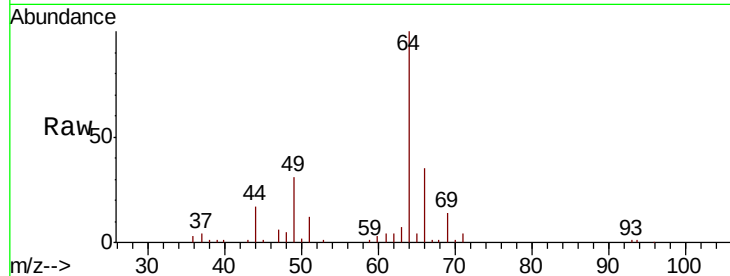
VSTD00571

Tgt Ion: 64 Resp: 24323

Ion Ratio Lower Upper

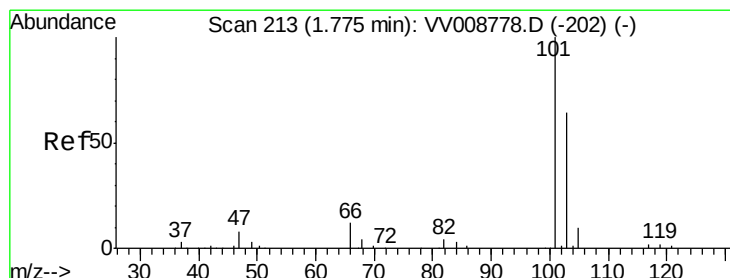
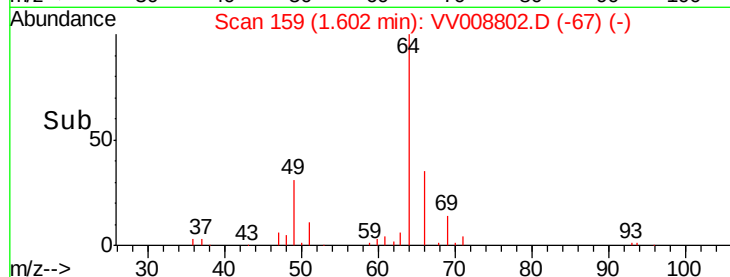
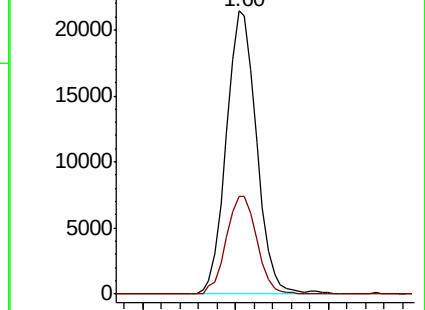
64 100

66 34.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV008778.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV008778.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 5.315 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008802.D

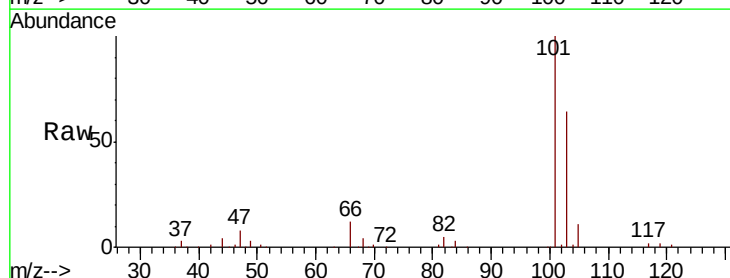
Acq: 30 Nov 2018 07:51

Tgt Ion: 101 Resp: 76826

Ion Ratio Lower Upper

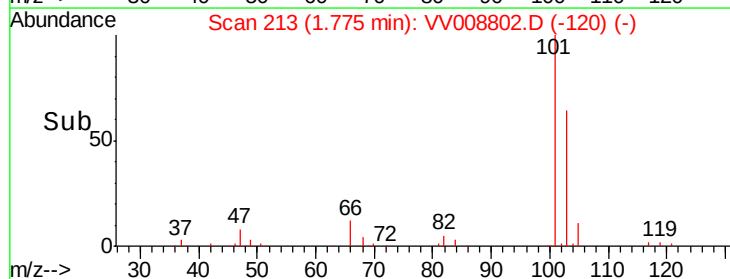
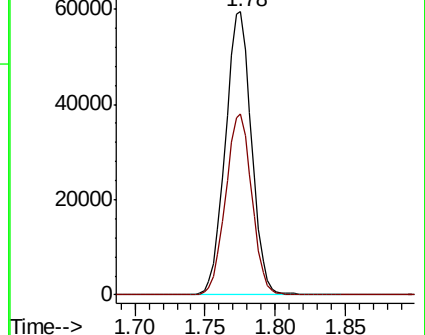
101 100

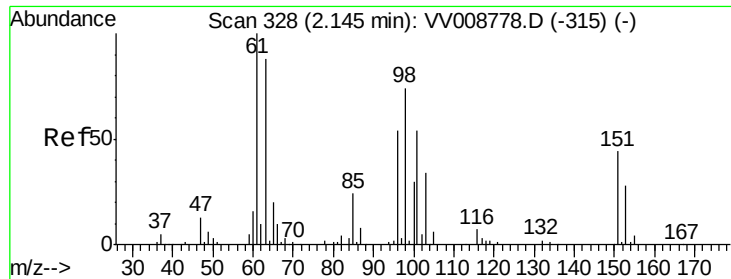
103 64.1 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008778.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008778.D (-202) (-)





#10

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

Concen: 4.954 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

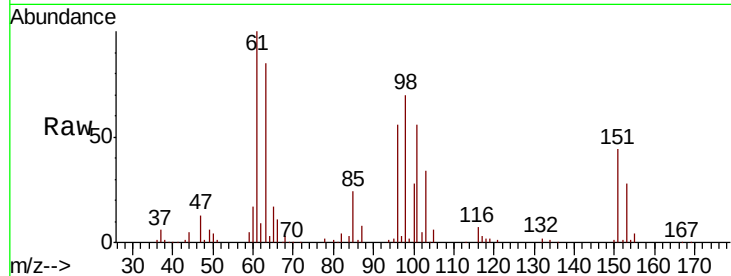
Tgt Ion:101 Resp: 40976

Ion Ratio Lower Upper

101 100

85 41.6 33.1 49.7

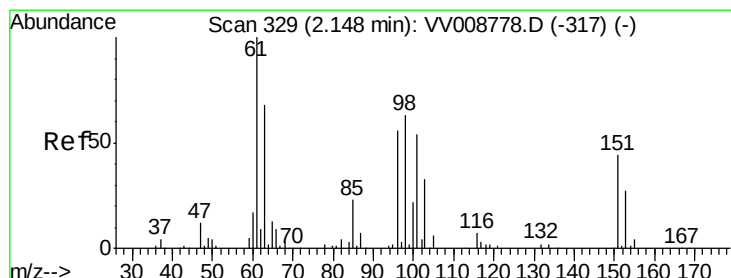
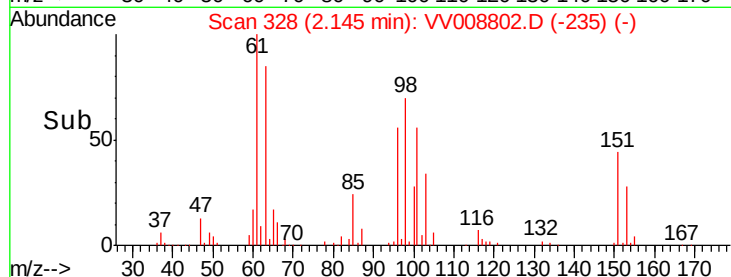
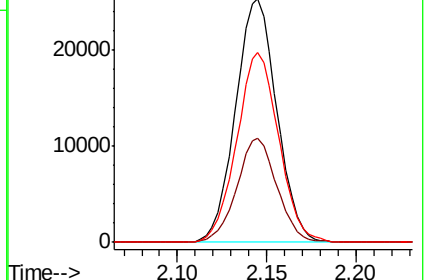
151 79.4 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008778.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008778.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008778.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.077 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

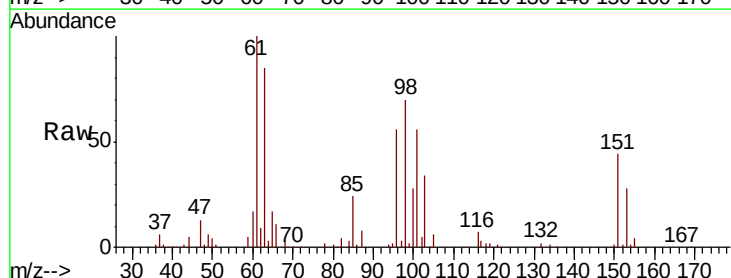
Tgt Ion: 96 Resp: 36658

Ion Ratio Lower Upper

96 100

61 177.1 124.3 230.8

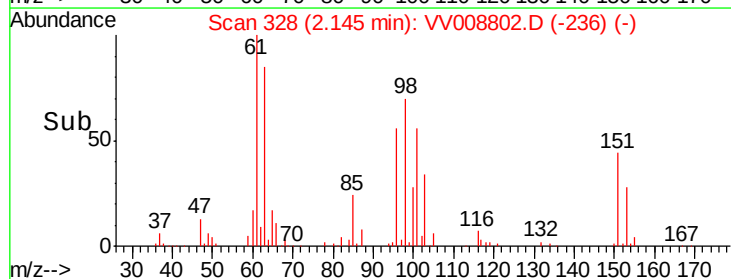
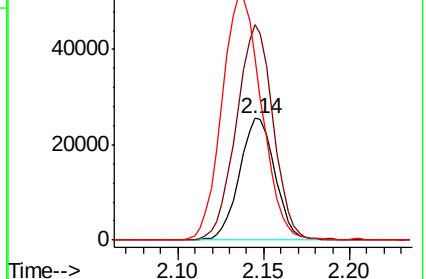
63 150.5 102.6 190.5

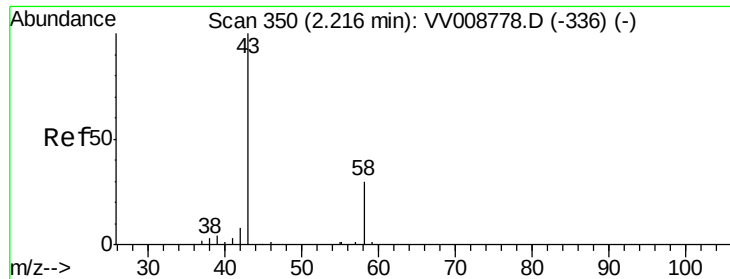


Abundance Ion 96.00 (95.70 to 96.70): VV008778.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008778.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008778.D (-317) (-)





#13

Acetone

Concen: 46.821 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

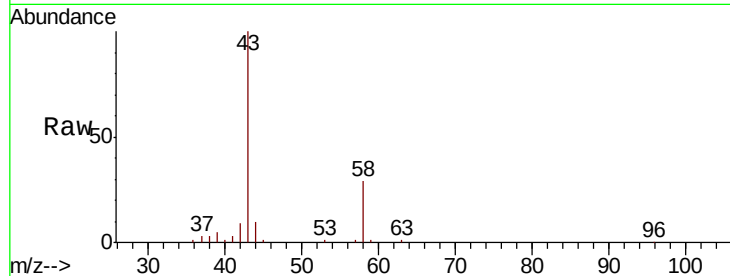
VSTD00571

Tgt Ion: 43 Resp: 53088

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008778.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008778.D (-336) (-)

2.21

25000

20000

15000

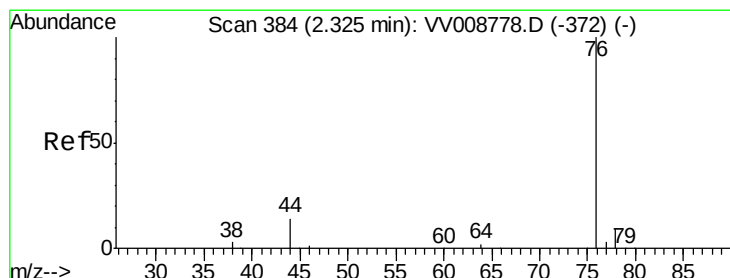
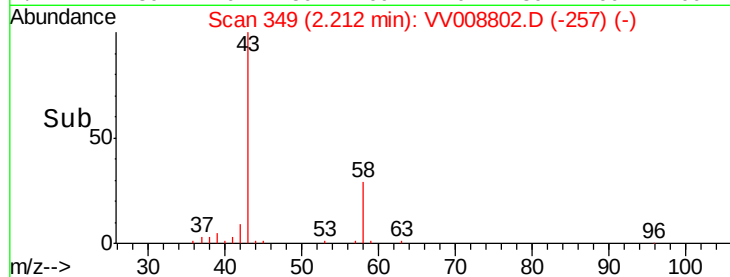
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.831 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008802.D

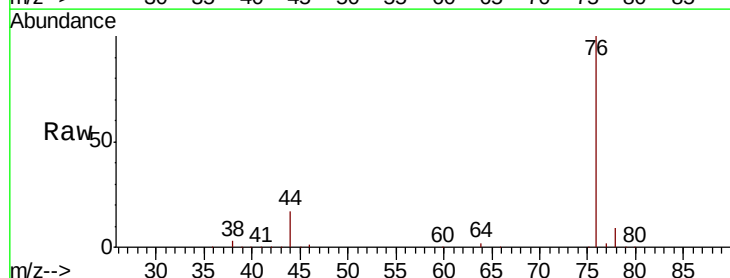
Acq: 30 Nov 2018 07:51

Tgt Ion: 76 Resp: 101235

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV008778.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV008778.D (-372) (-)

2.32

80000

60000

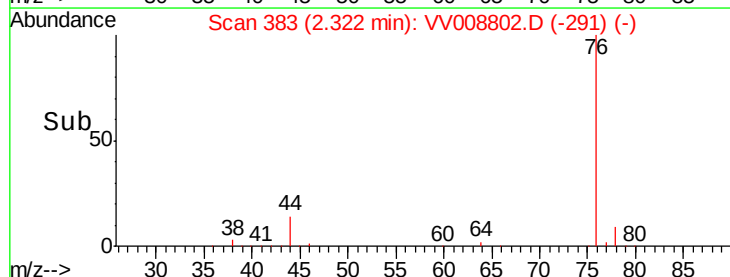
40000

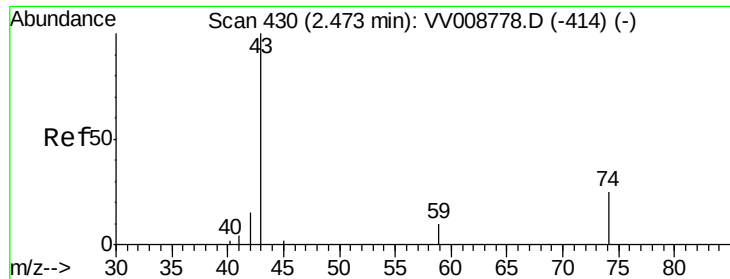
20000

0

Time-->

2.25 2.30 2.35 2.40

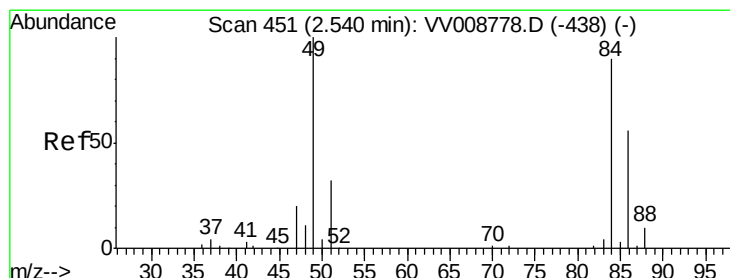
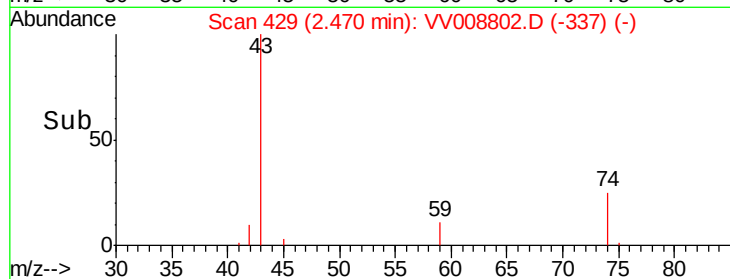
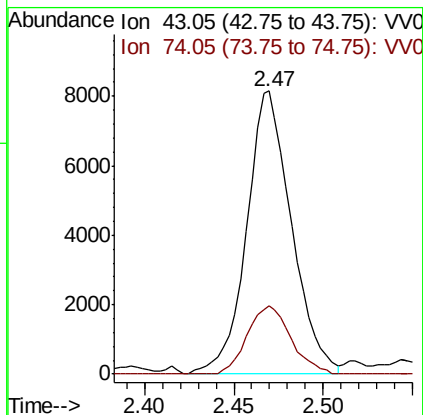
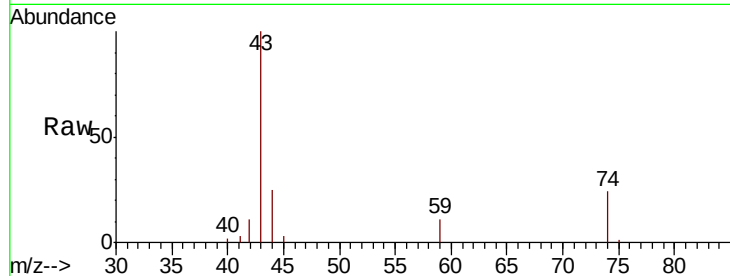




#15
Methyl Acetate
Concen: 4.729 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

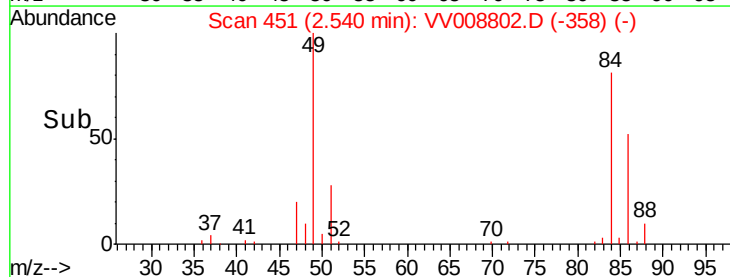
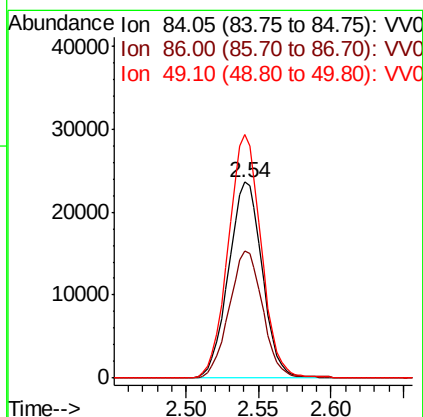
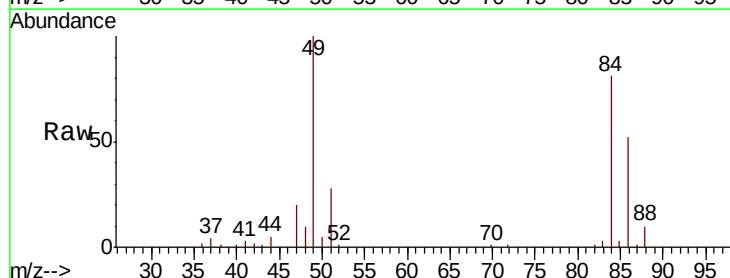
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

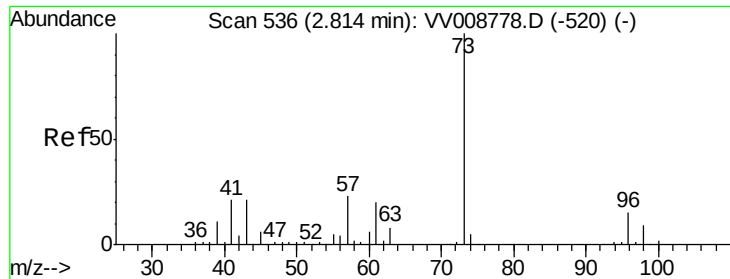
Tgt Ion: 43 Resp: 14349
Ion Ratio Lower Upper
43 100
74 23.5 20.0 30.0



#16
Methylene chloride
Concen: 4.666 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 84 Resp: 37998
Ion Ratio Lower Upper
84 100
86 65.1 45.8 85.2
49 124.2 85.9 159.5

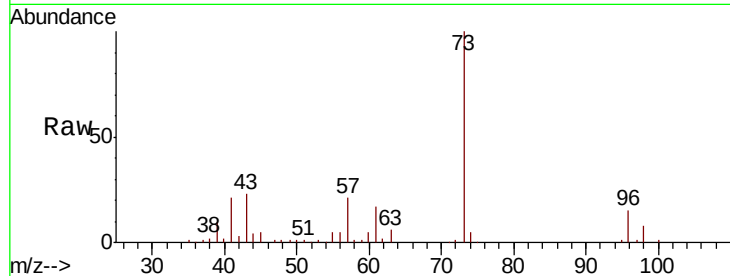




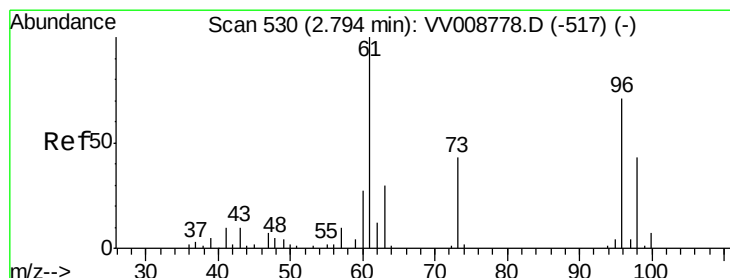
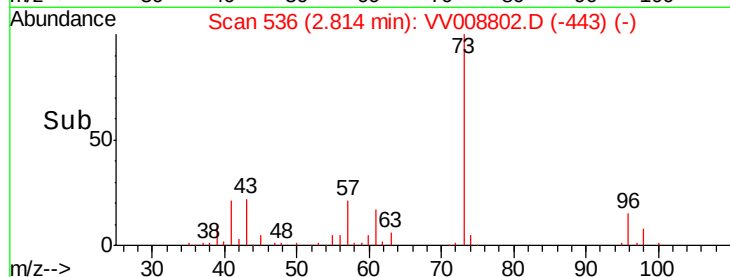
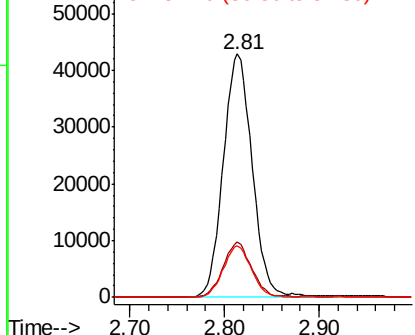
#17
Methyl tert-butyl Ether
Concen: 5.139 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 73 Resp: 91379
Ion Ratio Lower Upper
73 100
43 22.4 18.0 27.0
57 20.5 17.2 25.8

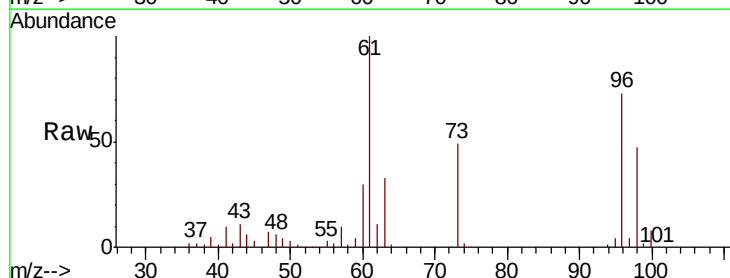


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

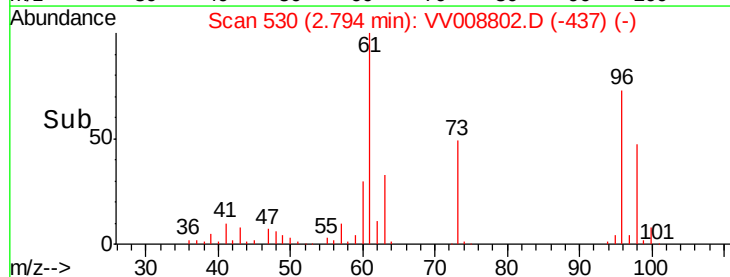
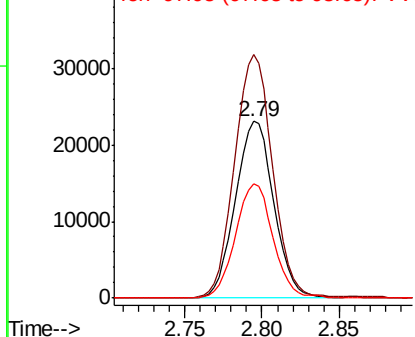


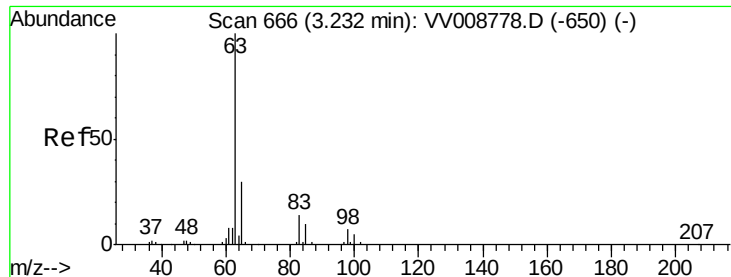
#18
trans-1,2-Dichloroethene
Concen: 5.038 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 96 Resp: 39975
Ion Ratio Lower Upper
96 100
61 137.7 95.8 177.8
98 64.4 43.3 80.3



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

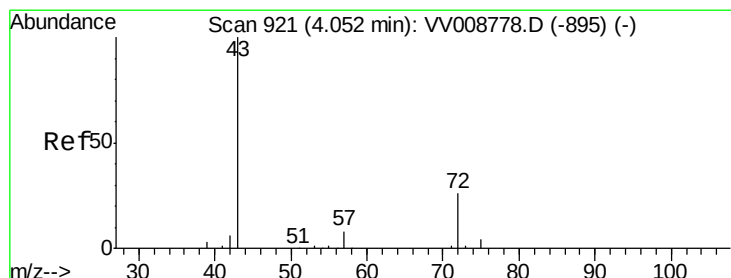
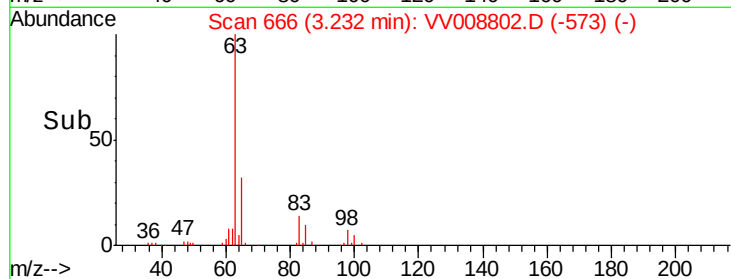
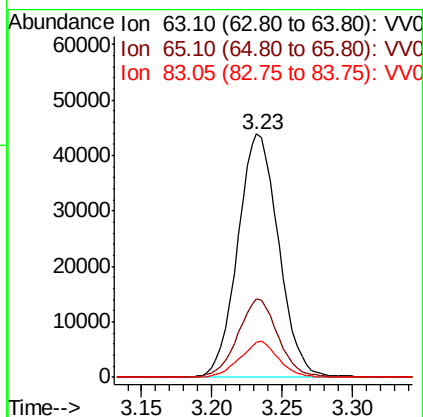
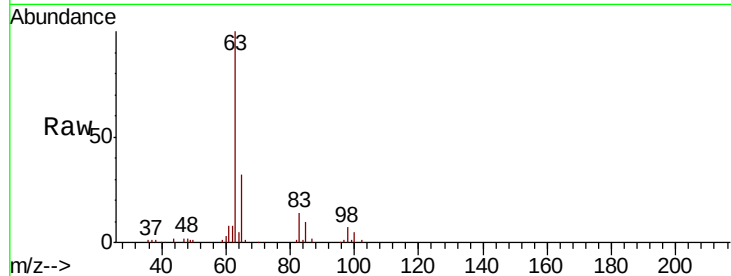




#19
 1,1-Dichloroethane
 Concen: 5.051 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

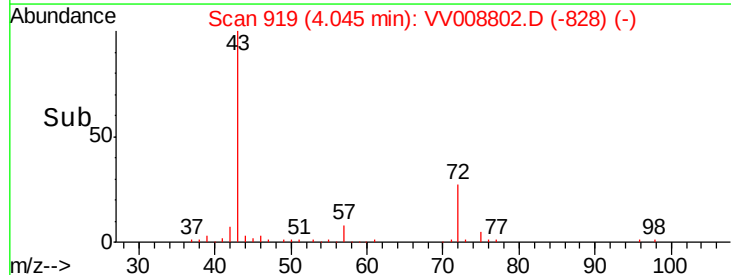
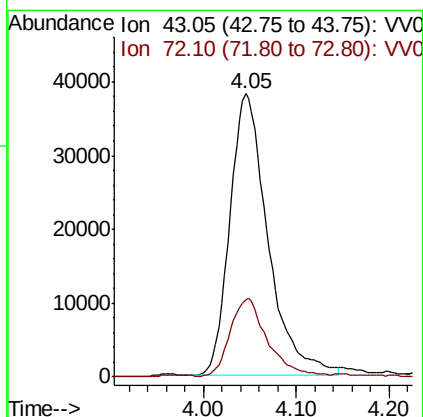
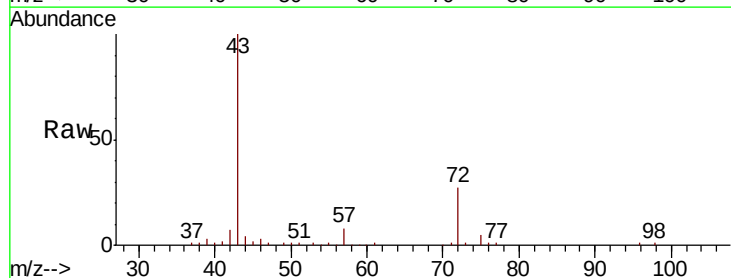
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

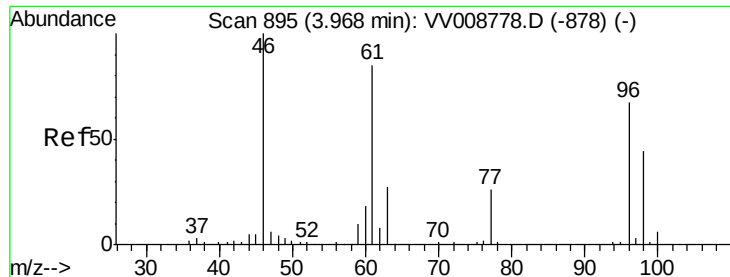
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.6
83	14.2	9.9	18.5



#21
 2-Butanone
 Concen: 47.965 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	13.6	40.8



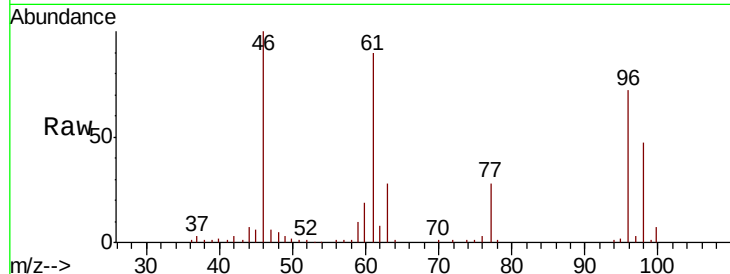


#22

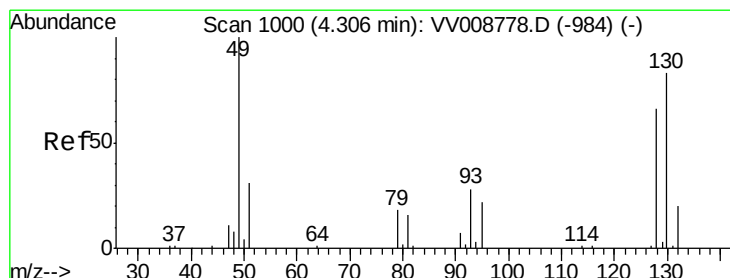
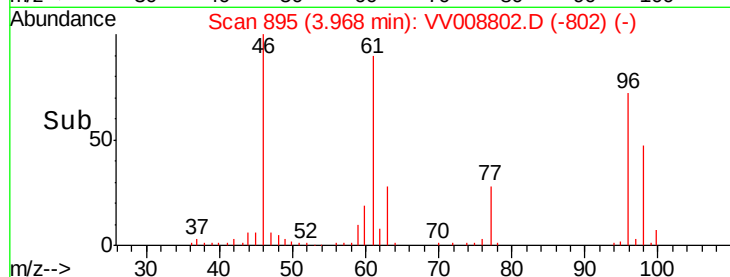
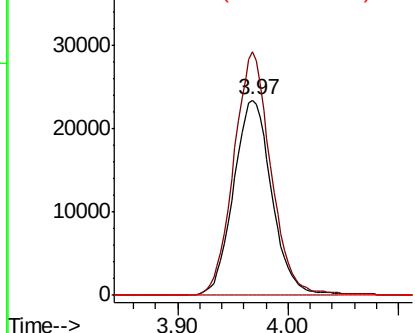
cis-1,2-Dichloroethene
Concen: 5.041 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 96 Resp: 56199
Ion Ratio Lower Upper
96 100
61 124.5 85.9 159.5
68 0.0 0.0 0.0



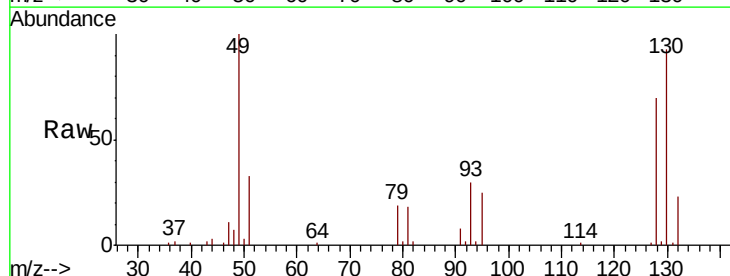
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



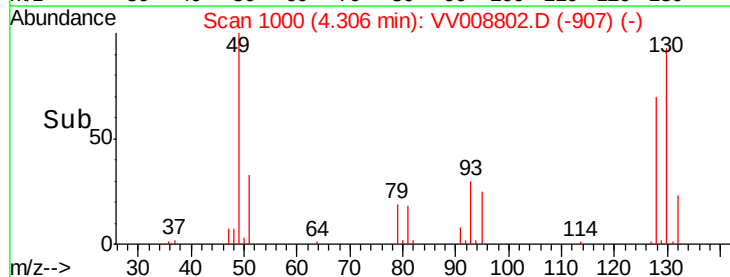
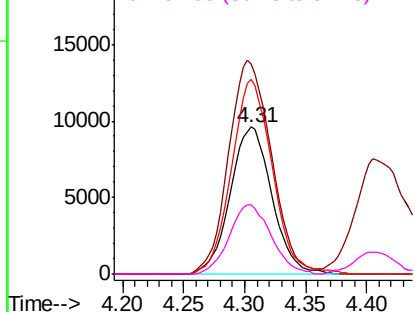
#23

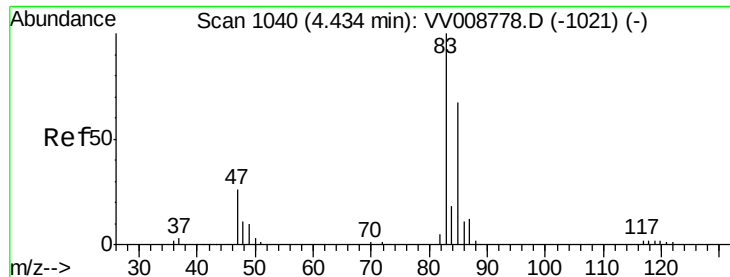
Bromochloromethane
Concen: 4.962 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 128 Resp: 22695
Ion Ratio Lower Upper
128 100
49 143.1 100.4 186.4
130 133.1 88.5 164.4
51 46.9 37.1 55.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

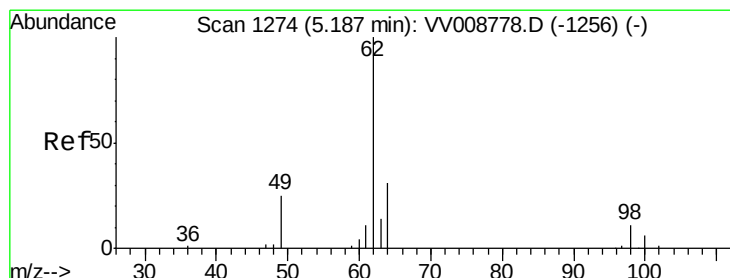
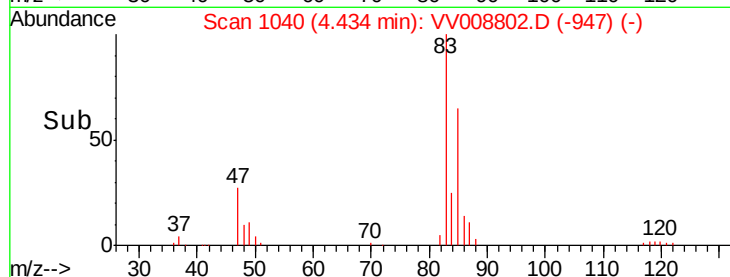
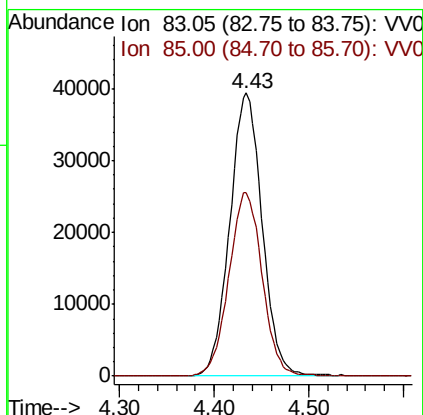
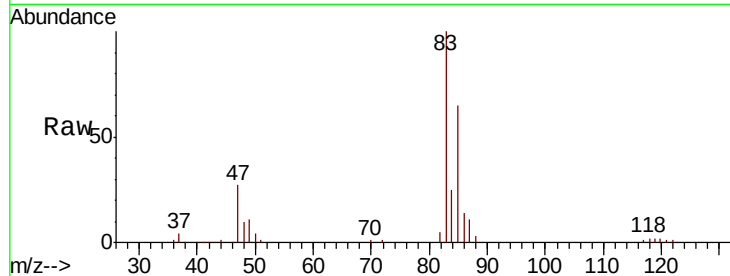




#25
Chloroform
Concen: 4.901 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

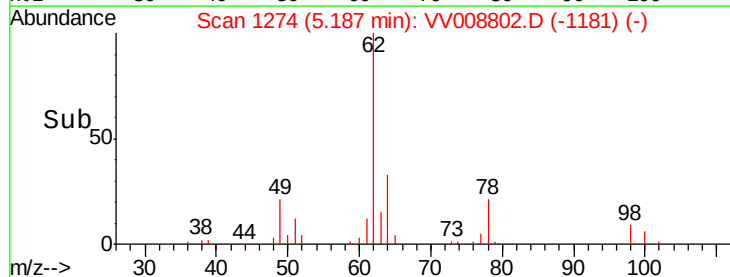
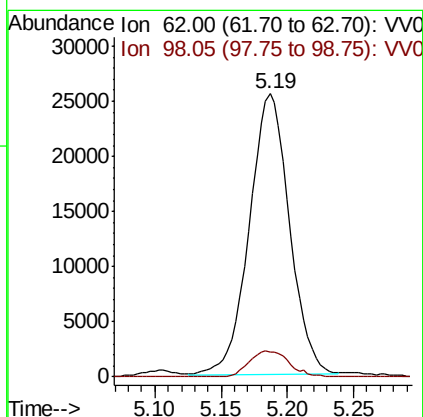
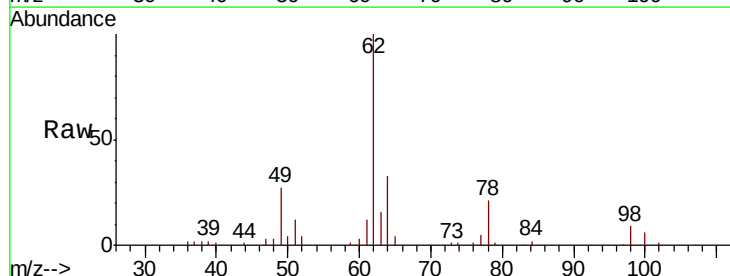
Instrument :
MSVOA_V
ClientSampled :
VSTD00571

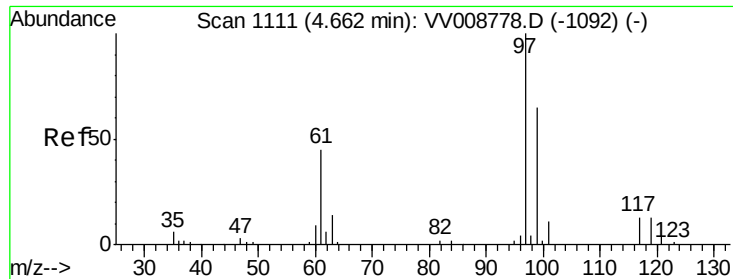
Tgt Ion: 83 Resp: 93935
Ion Ratio Lower Upper
83 100
85 65.0 47.0 87.4



#27
1,2-Dichloroethane
Concen: 4.915 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 62 Resp: 54127
Ion Ratio Lower Upper
62 100
98 9.0 7.7 11.5

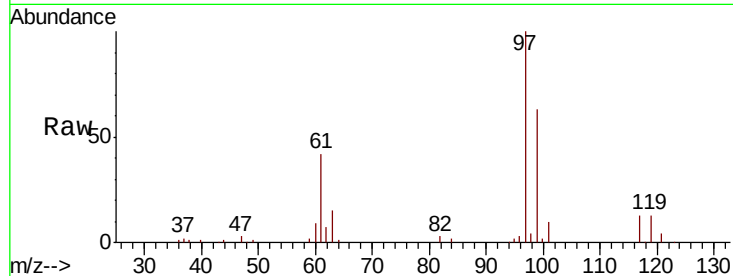




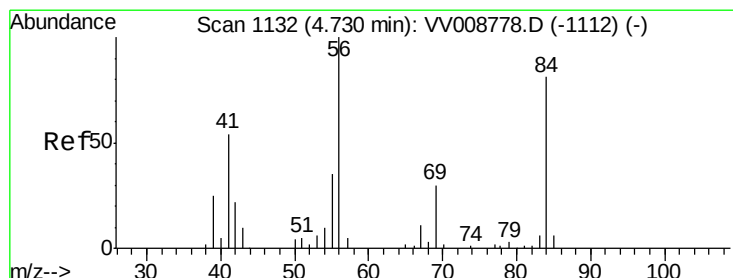
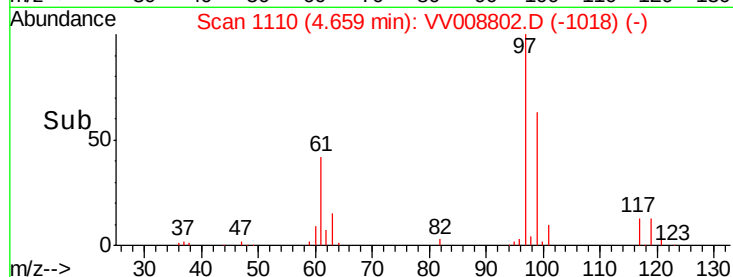
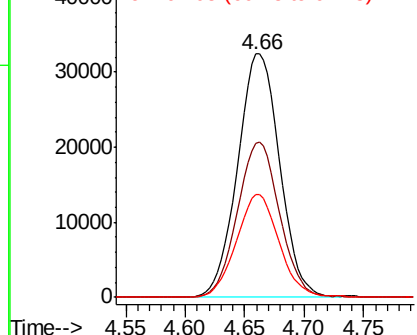
#29
 1,1,1-Trichloroethane
 Concen: 5.072 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 97 Resp: 79464
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.1 78.1
 61 43.0 33.9 50.9

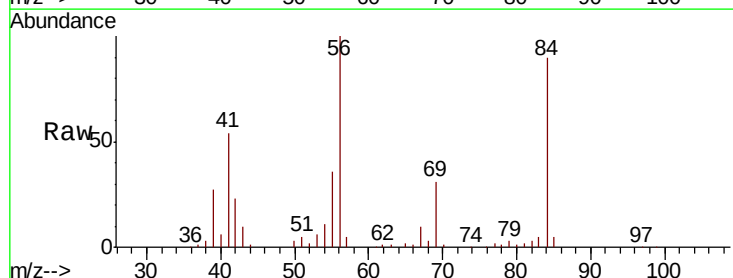


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

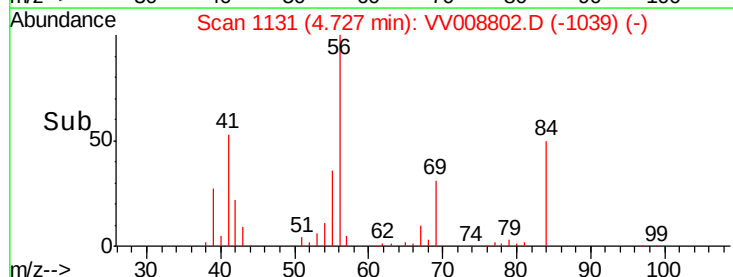
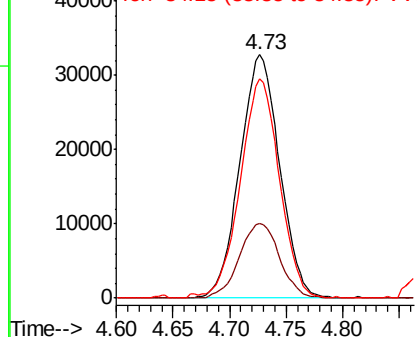


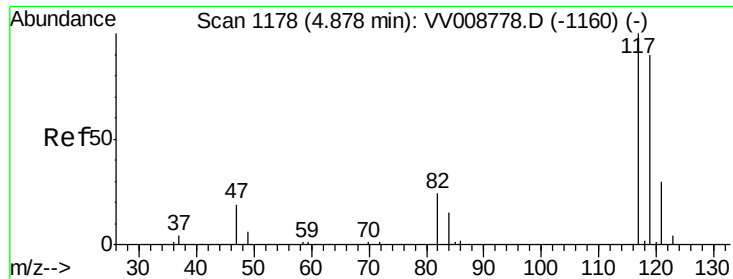
#30
 Cyclohexane
 Concen: 4.853 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion: 56 Resp: 80063
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.1 37.7
 84 87.3 70.8 106.2



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: 5.010 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

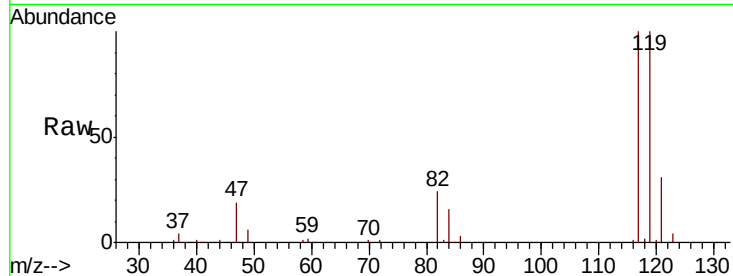
VSTD00571

Tgt Ion:117 Resp: 67943

Ion Ratio Lower Upper

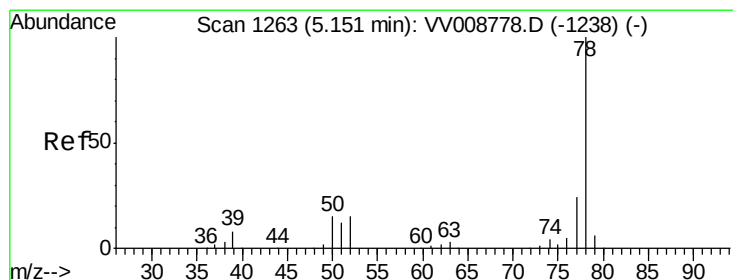
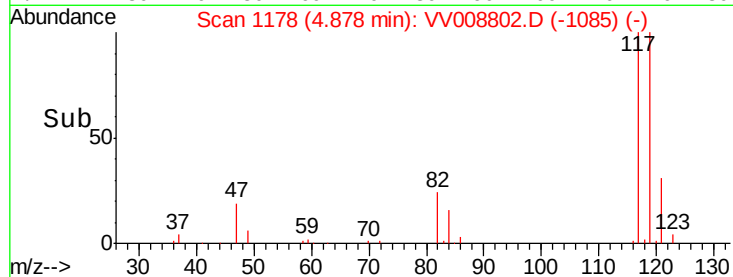
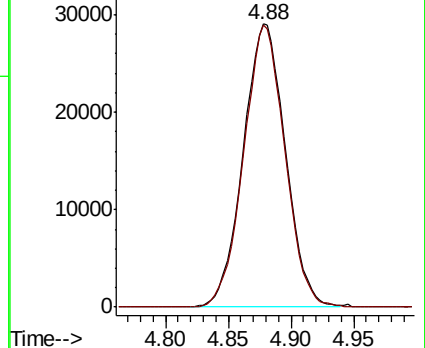
117 100

119 97.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.019 ug/L

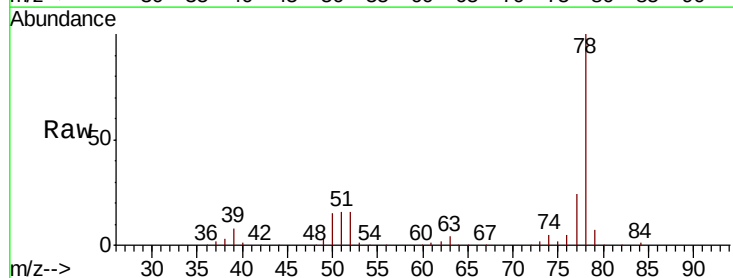
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

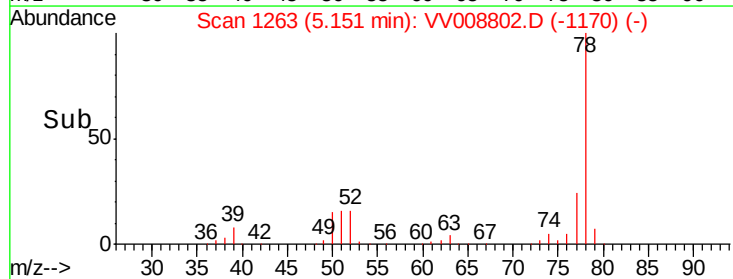
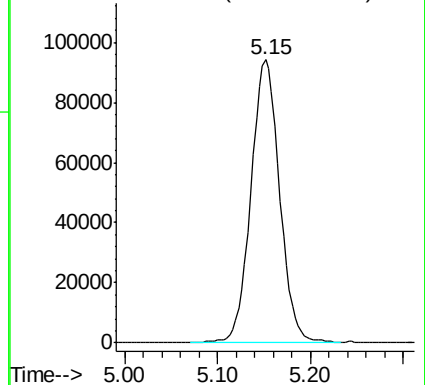
Lab File: VV008802.D

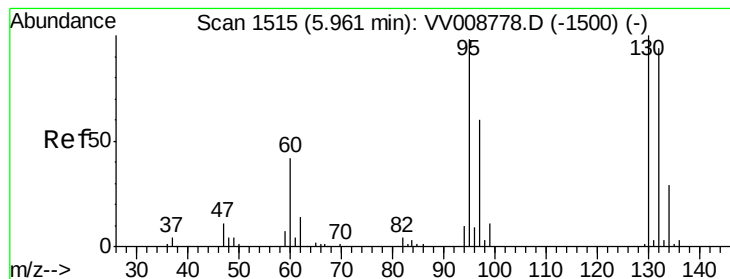
Acq: 30 Nov 2018 07:51

Tgt Ion: 78 Resp: 201997



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.113 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion: 95 Resp: 57222

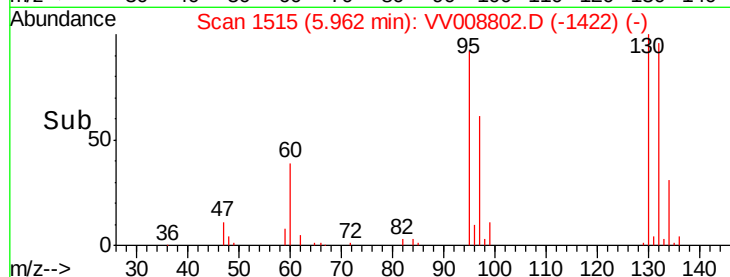
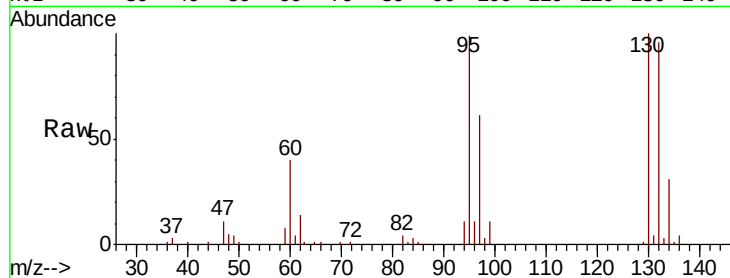
Ion Ratio Lower Upper

95 100

97 61.8 46.5 86.3

132 97.4 69.4 128.8

130 101.1 73.1 135.8

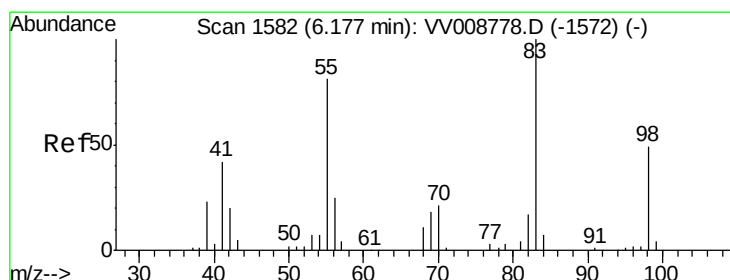
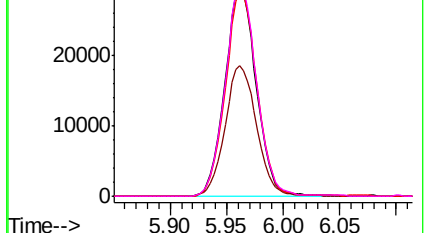


Abundance Ion 95.00 (94.70 to 95.70): VV008778.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV008778.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV008778.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV008778.D (-1500) (-)



#35

Methylcyclohexane

Concen: 4.847 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

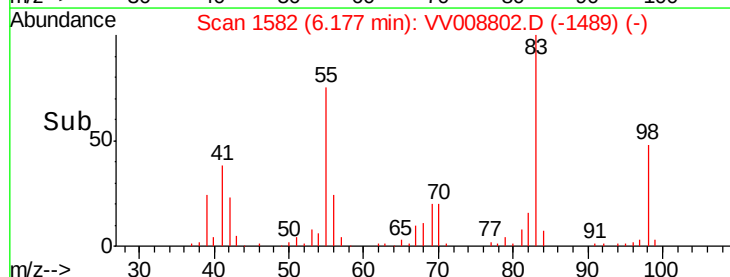
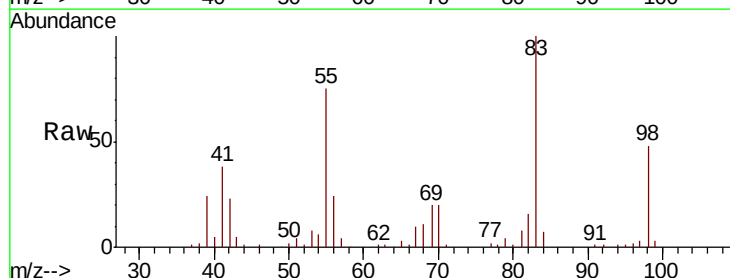
Tgt Ion: 83 Resp: 86024

Ion Ratio Lower Upper

83 100

55 74.0 60.1 90.1

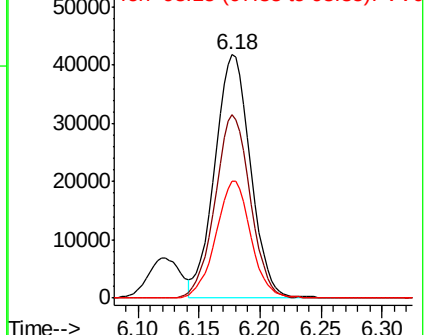
98 47.0 37.4 56.2

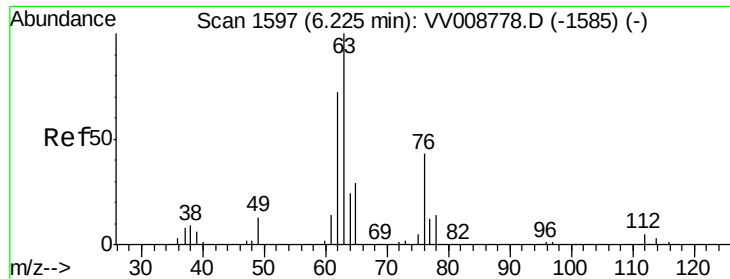


Abundance Ion 83.15 (82.85 to 83.85): VV008778.D (-1572) (-)

Ion 55.10 (54.80 to 55.80): VV008778.D (-1572) (-)

Ion 98.15 (97.85 to 98.85): VV008778.D (-1572) (-)





#37

1,2-Dichloropropane

Concen: 4.967 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampled :

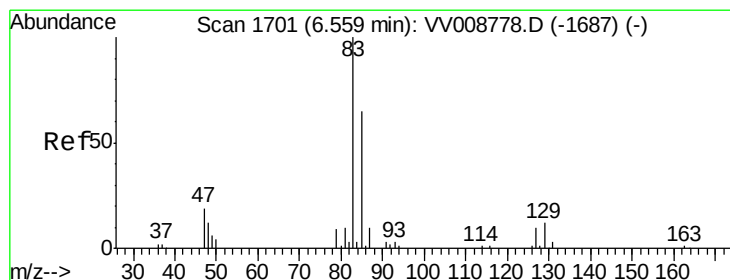
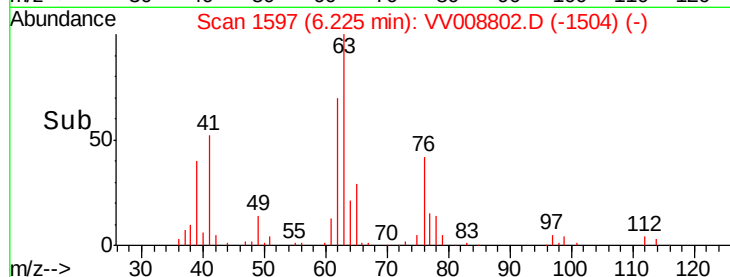
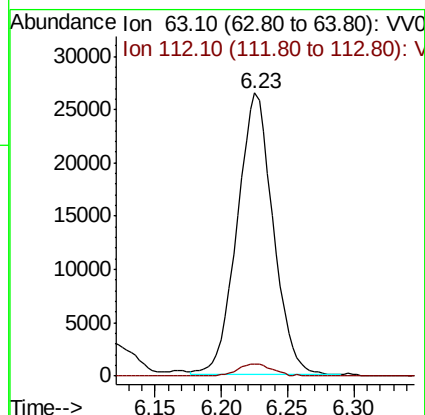
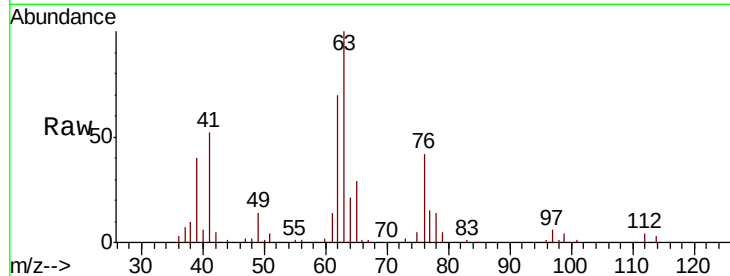
VSTD00571

Tgt Ion: 63 Resp: 49697

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 5.074 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

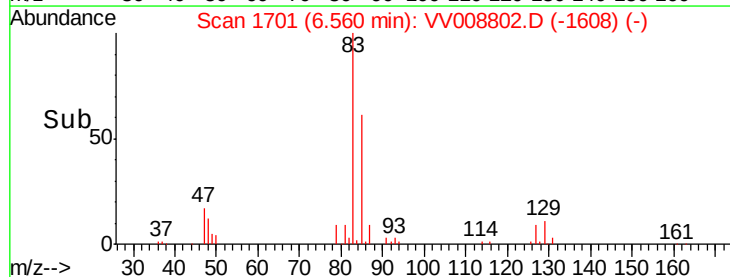
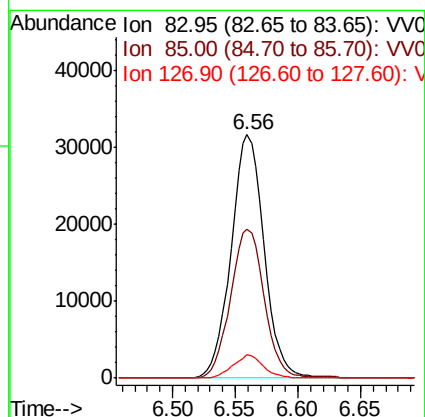
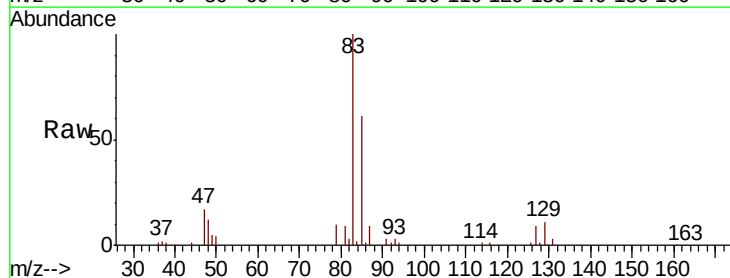
Tgt Ion: 83 Resp: 57969

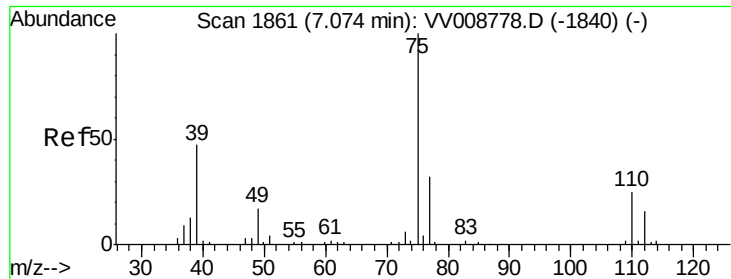
Ion Ratio Lower Upper

83 100

85 61.3 44.4 82.4

127 9.4 6.9 10.3

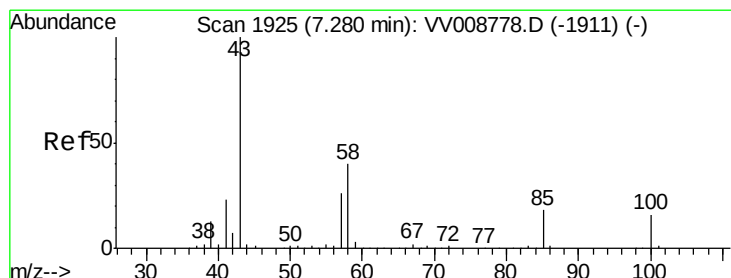
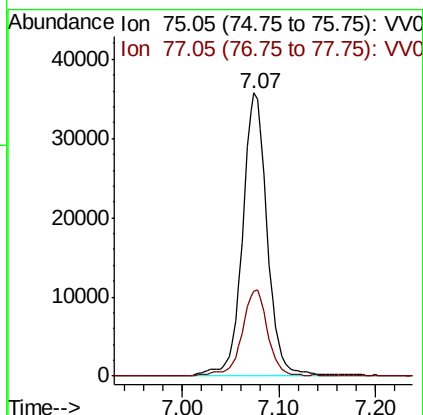
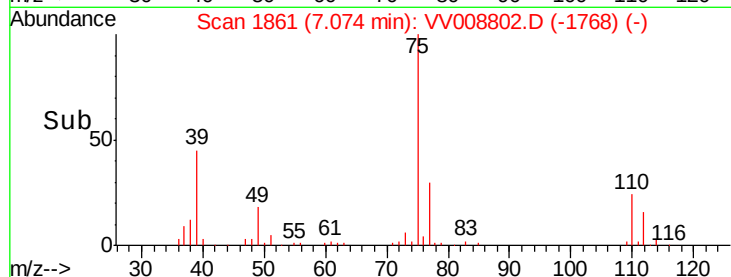
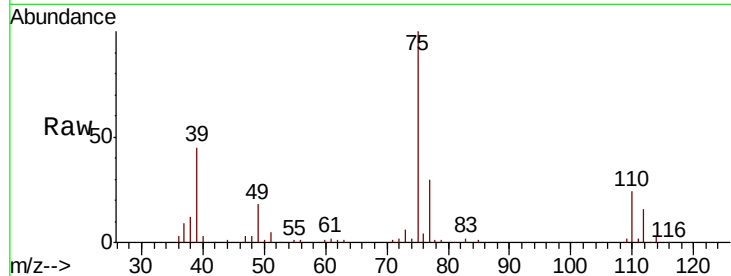




#39
 cis-1,3-Dichloropropene
 Concen: 4.827 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

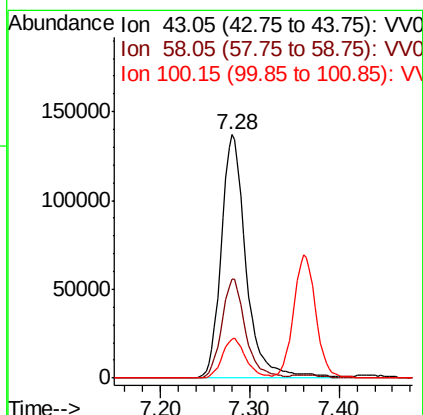
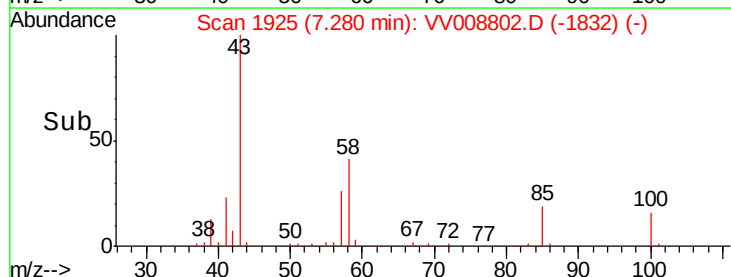
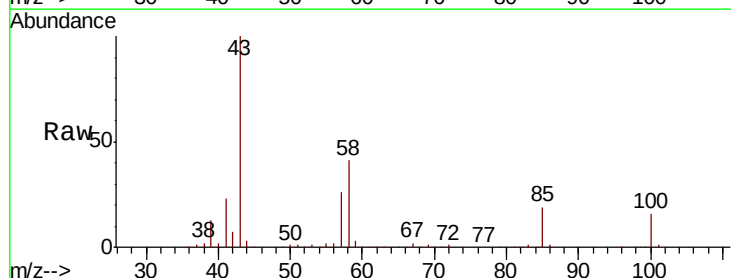
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

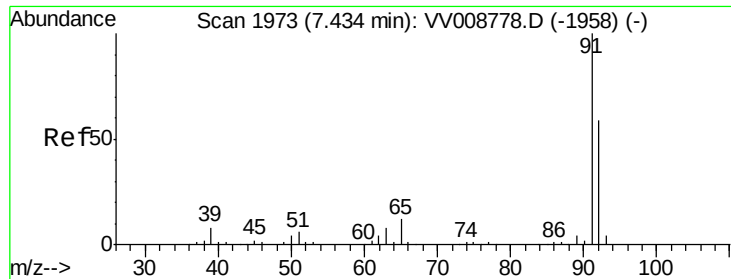
Tgt Ion: 75 Resp: 63424
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 50.978 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion: 43 Resp: 263985
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.3 46.9
 100 15.6 12.6 19.0





#42

Toluene

Concen: 5.165 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

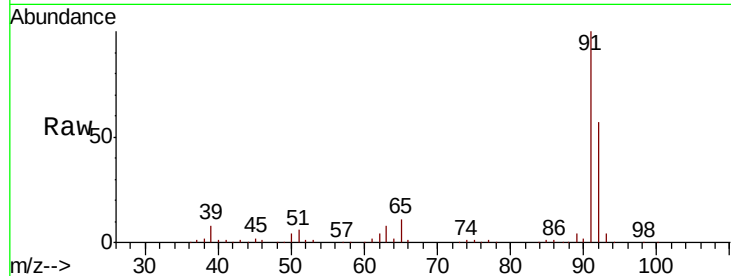
VSTD00571

Tgt Ion: 91 Resp: 217589

Ion Ratio Lower Upper

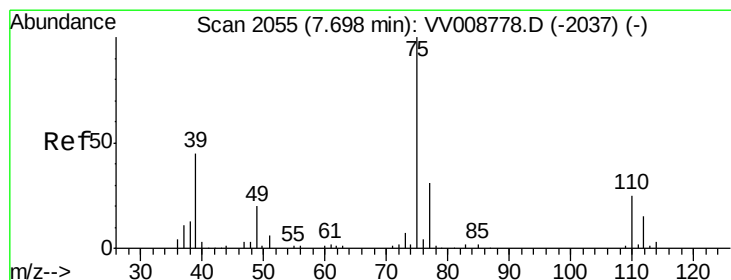
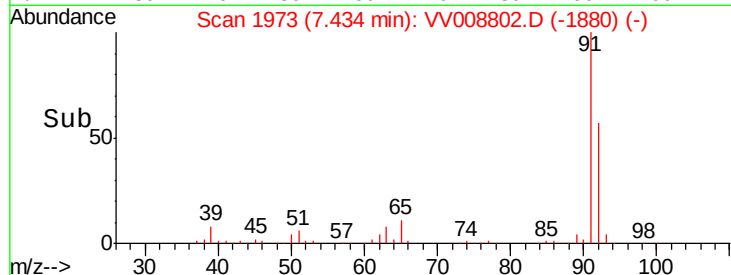
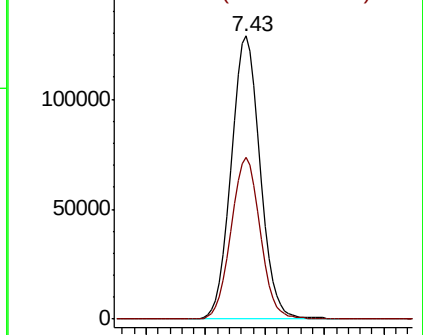
91 100

92 57.1 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.655 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008802.D

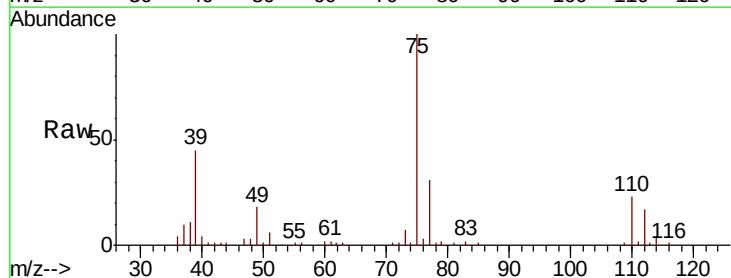
Acq: 30 Nov 2018 07:51

Tgt Ion: 75 Resp: 48215

Ion Ratio Lower Upper

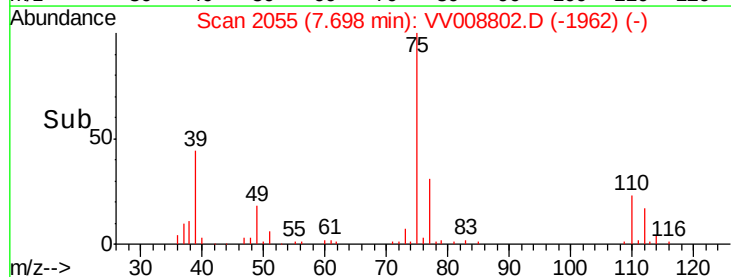
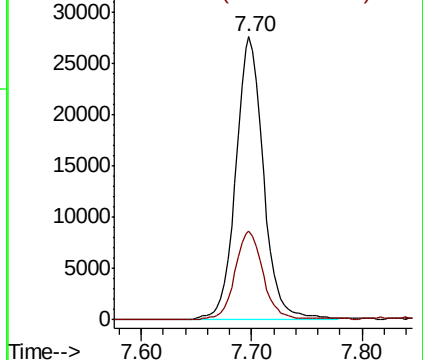
75 100

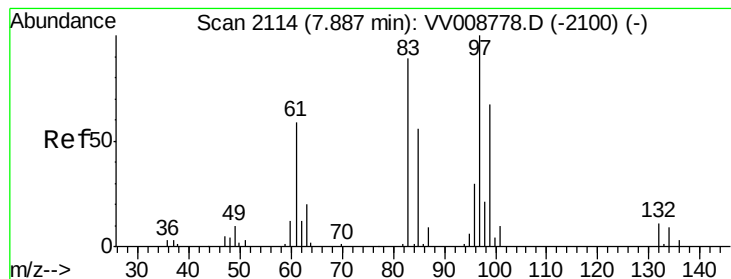
77 31.3 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.202 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion: 97 Resp: 34531

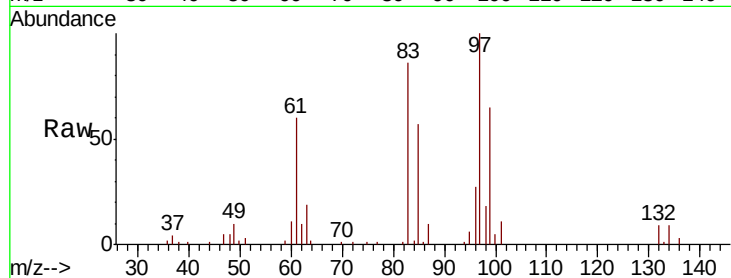
Ion Ratio Lower Upper

97 100

99 64.8 44.2 82.2

83 86.4 59.6 110.6

85 56.8 38.8 72.0



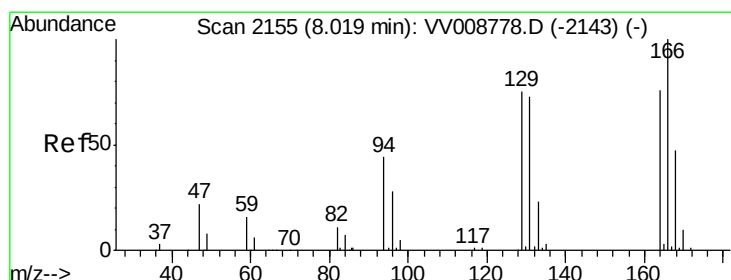
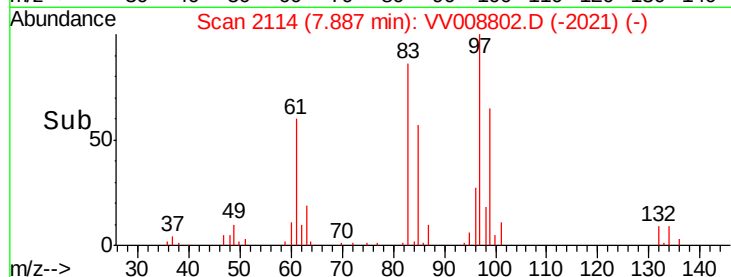
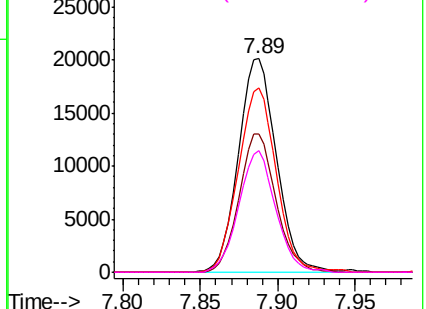
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.107 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Tgt Ion: 164 Resp: 44198

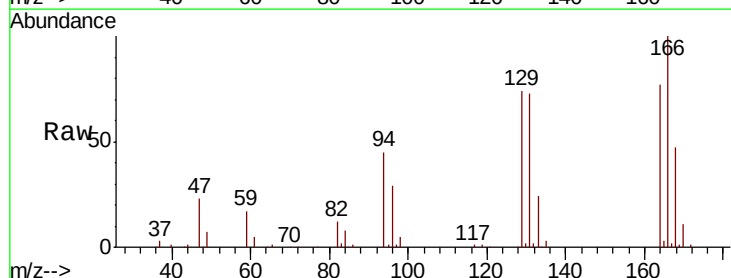
Ion Ratio Lower Upper

164 100

129 96.4 67.5 125.3

131 94.4 65.9 122.5

166 129.7 89.2 165.6



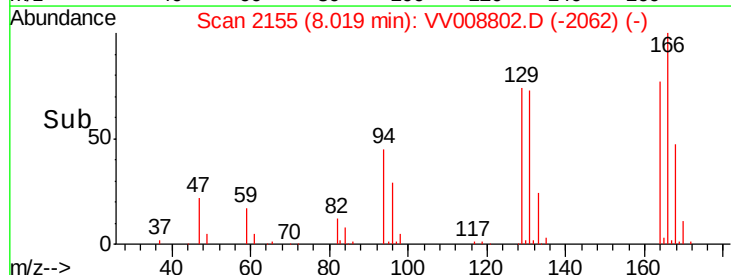
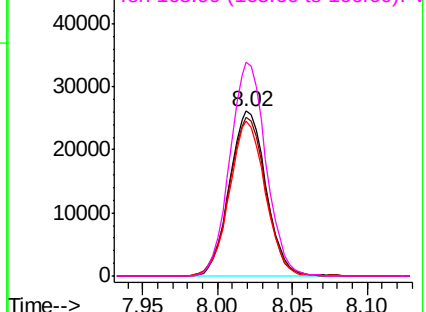
Abundance

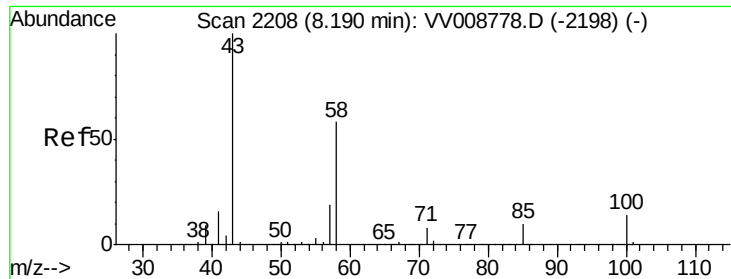
Ion 163.90 (163.60 to 164.60): V

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

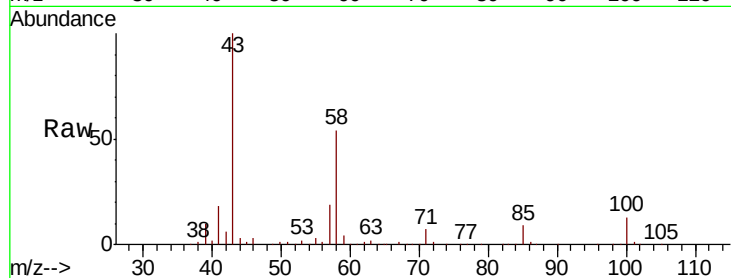




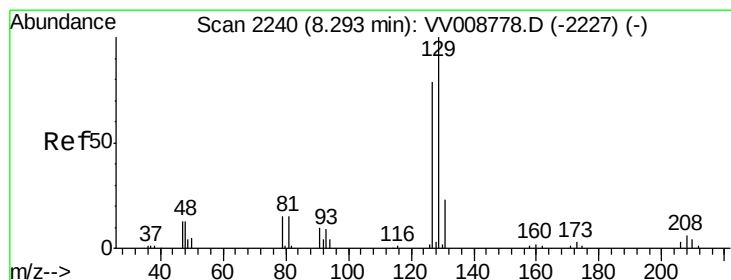
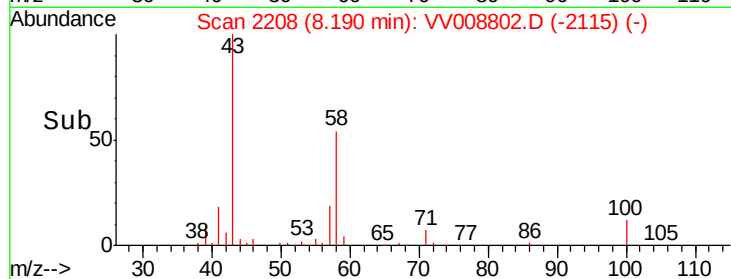
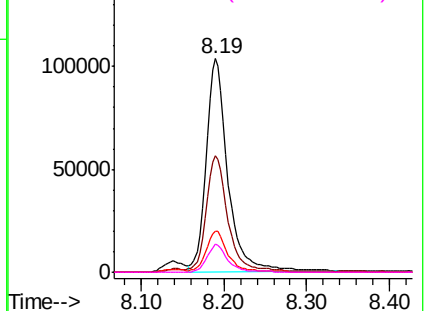
#48
2-Hexanone
Concen: 52.347 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 43 Resp: 190304
Ion Ratio Lower Upper
43 100
58 54.5 44.5 66.7
57 19.2 15.2 22.8
100 12.8 9.6 14.4

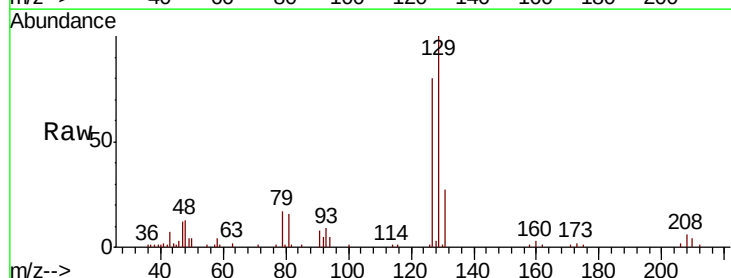


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

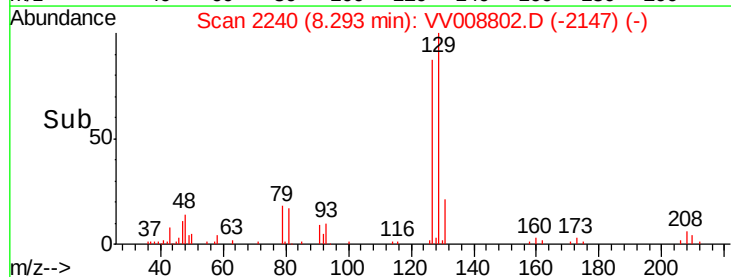
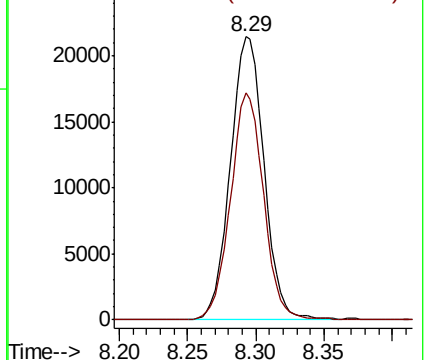


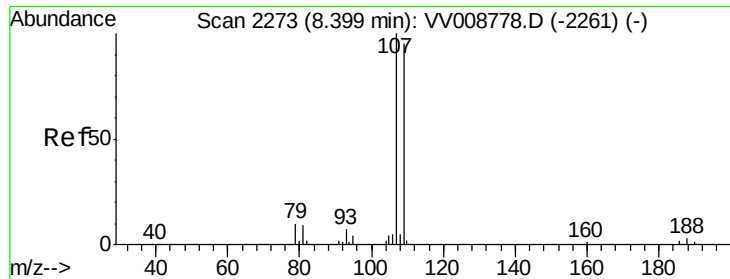
#49
Dibromochloromethane
Concen: 5.079 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 129 Resp: 36707
Ion Ratio Lower Upper
129 100
127 80.1 55.3 102.7



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

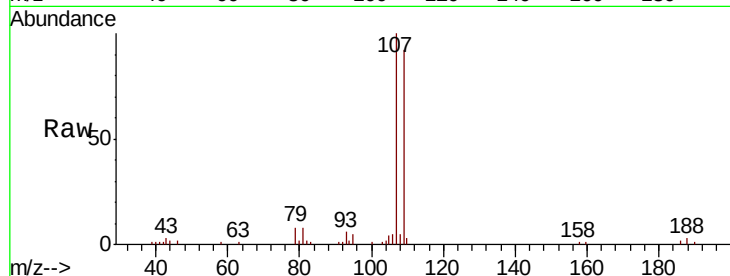




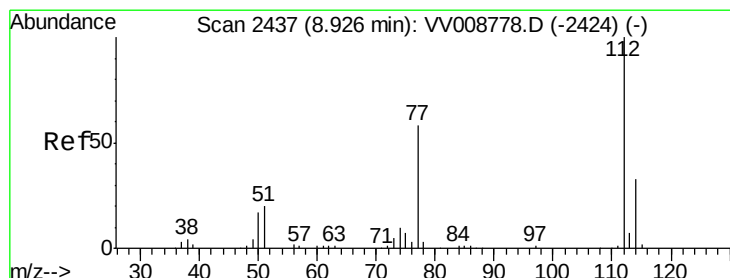
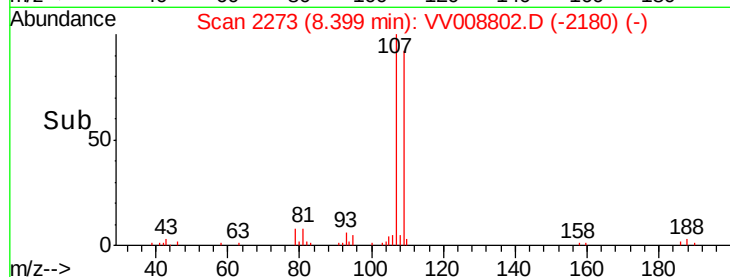
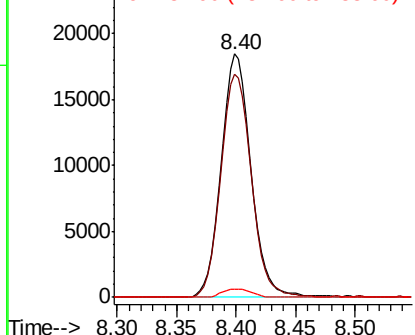
#50
1,2-Dibromoethane
Concen: 5.155 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:107 Resp: 32117
Ion Ratio Lower Upper
107 100
109 91.6 67.8 126.0
188 3.4 3.1 4.7

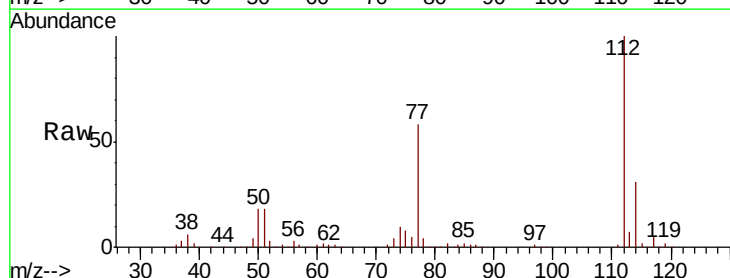


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

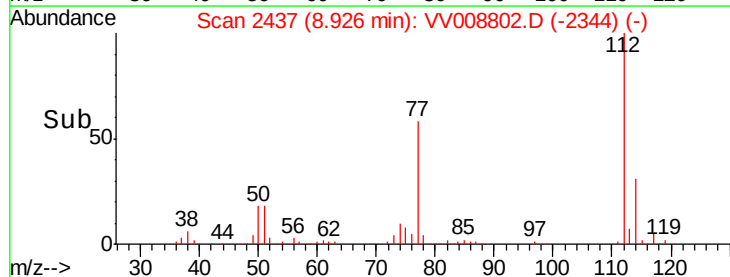
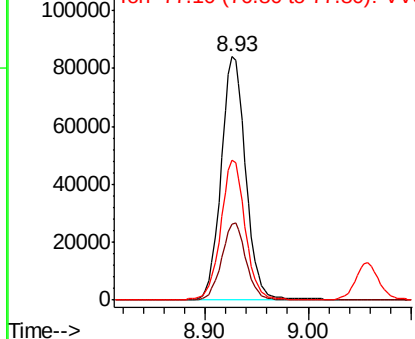


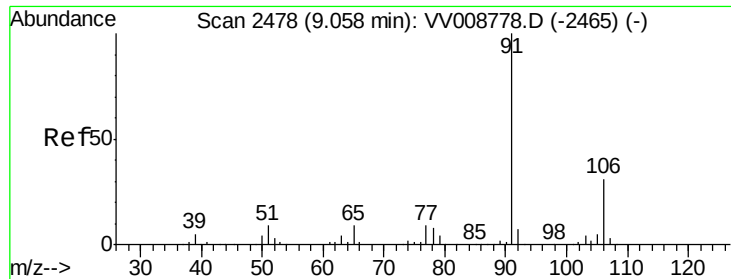
#51
Chlorobenzene
Concen: 5.044 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion:112 Resp: 139890
Ion Ratio Lower Upper
112 100
114 31.4 22.8 42.4
77 57.7 46.2 69.4



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

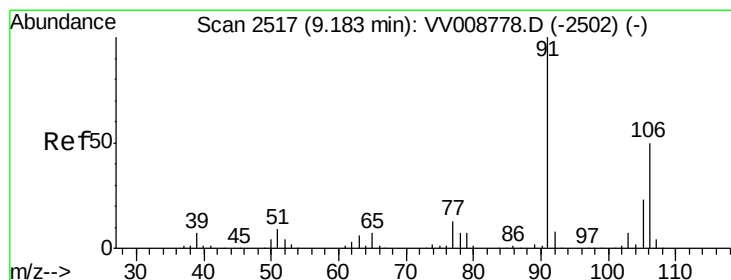
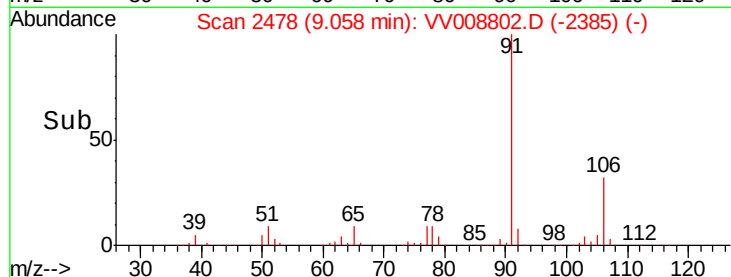
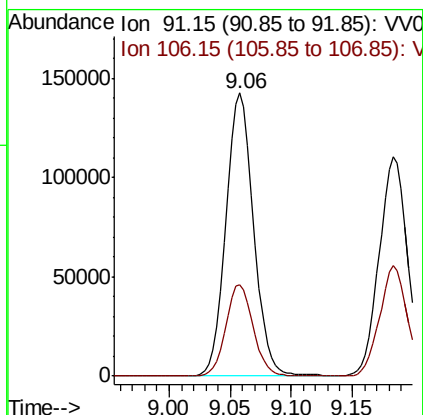
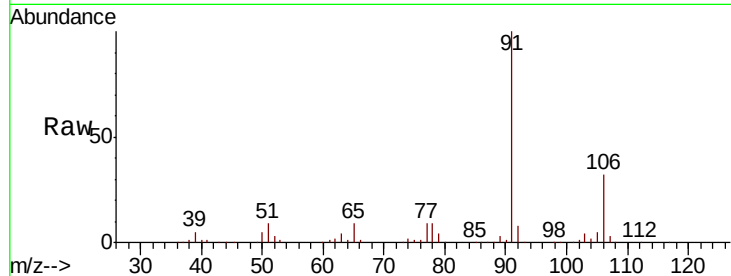




#52
Ethylbenzene
Concen: 4.999 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

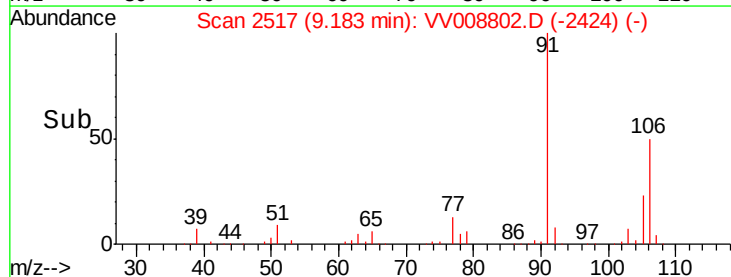
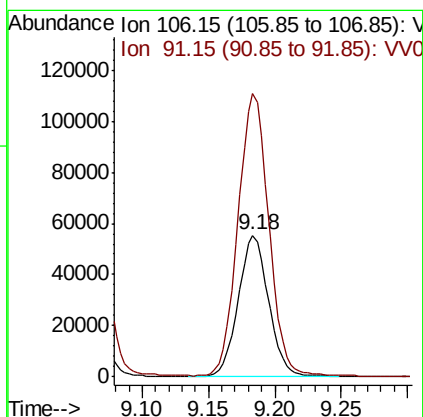
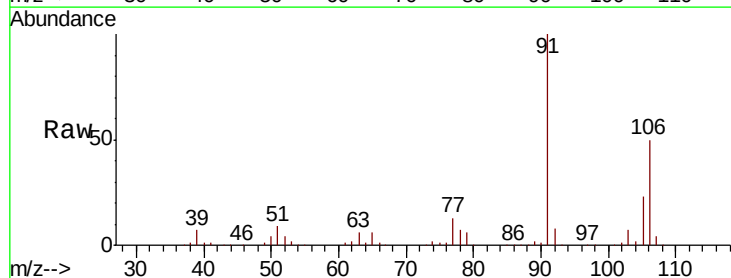
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

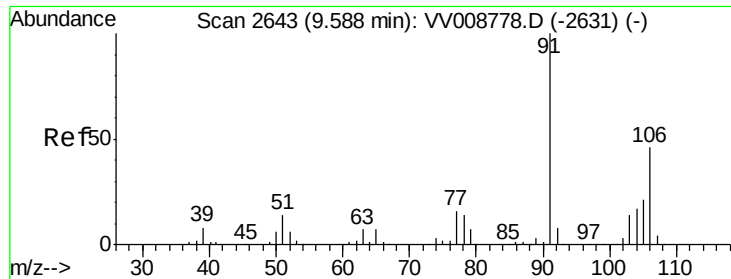
Tgt Ion: 91 Resp: 227882
Ion Ratio Lower Upper
91 100
106 32.4 22.4 41.6



#53
m,p-xylene
Concen: 5.153 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008802.D
Acq: 30 Nov 2018 07:51

Tgt Ion: 106 Resp: 88091
Ion Ratio Lower Upper
106 100
91 199.8 145.5 270.3





#54

o-xylene

Concen: 5.101 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

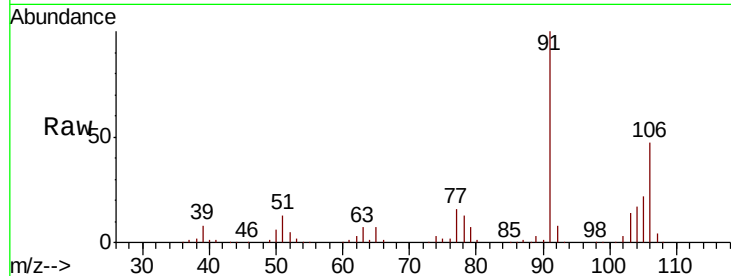
VSTD00571

Tgt Ion:106 Resp: 84128

Ion Ratio Lower Upper

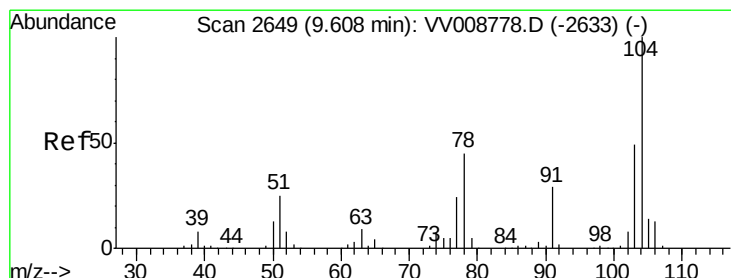
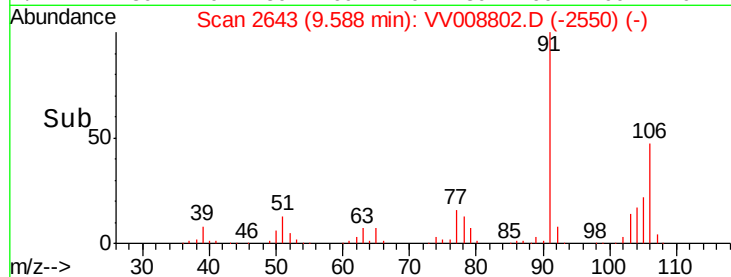
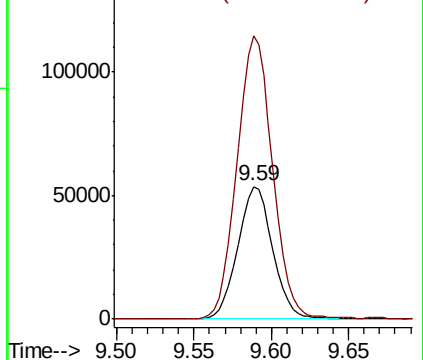
106 100

91 213.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.109 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008802.D

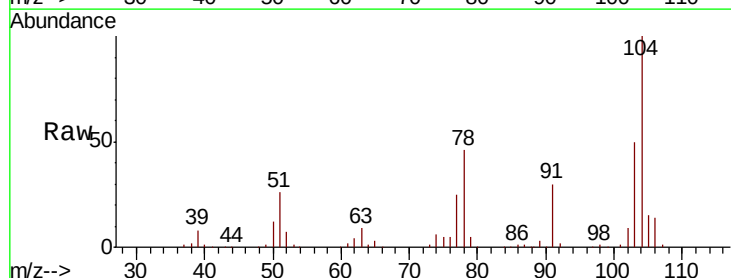
Acq: 30 Nov 2018 07:51

Tgt Ion:104 Resp: 140101

Ion Ratio Lower Upper

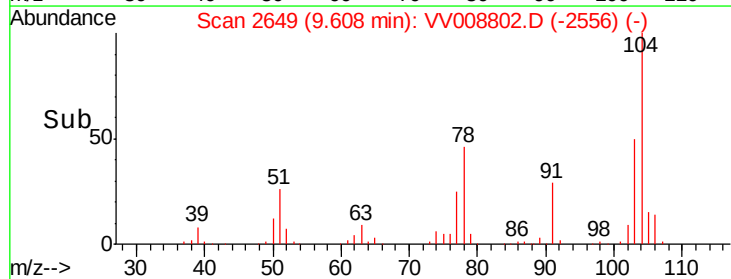
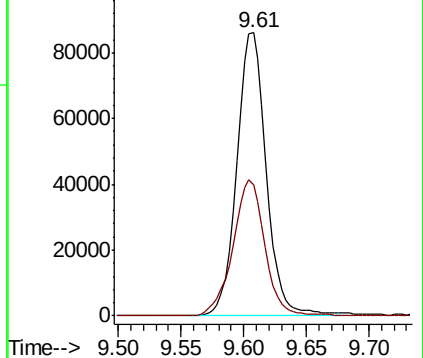
104 100

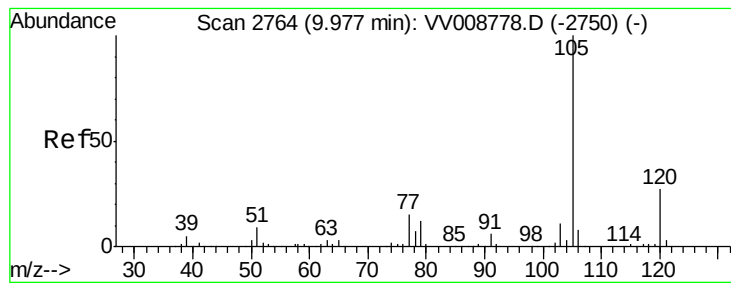
78 46.4 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.009 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

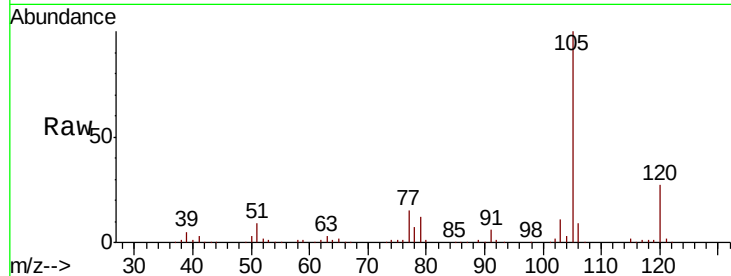
Tgt Ion: 105 Resp: 225004

Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

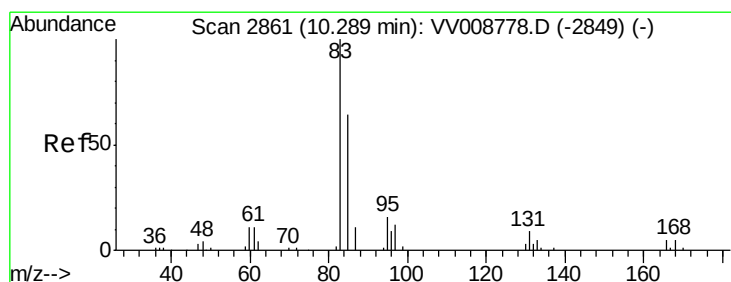
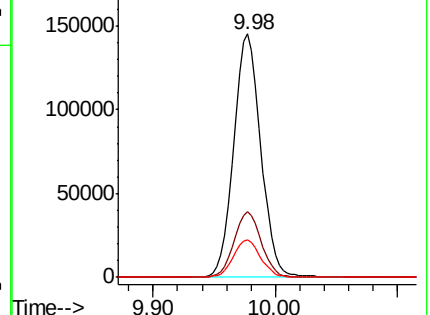
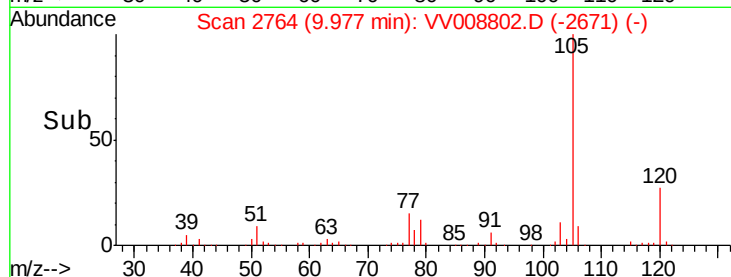
77 15.4 12.2 18.4



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: 5.120 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

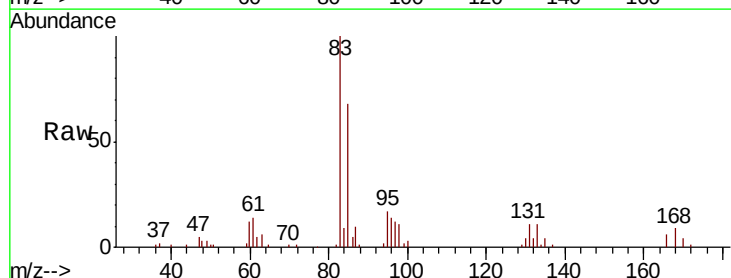
Tgt Ion: 83 Resp: 36244

Ion Ratio Lower Upper

83 100

85 67.5 45.6 84.8

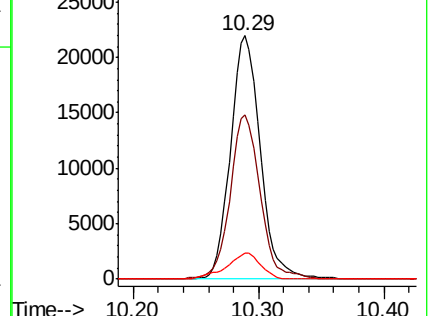
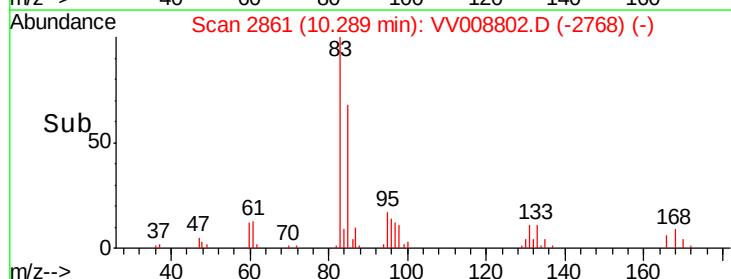
131 10.9 7.3 10.9

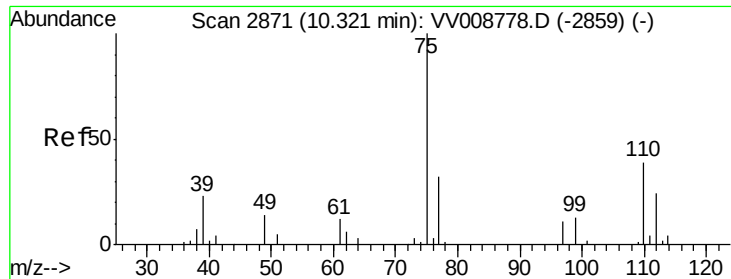


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

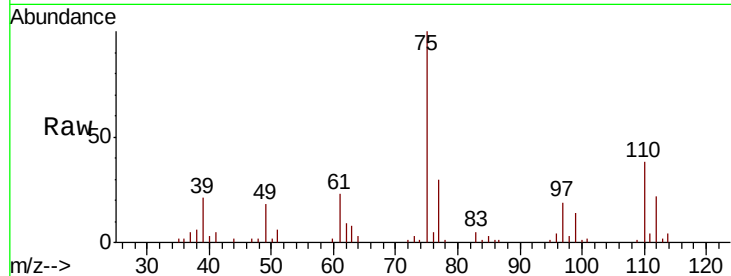




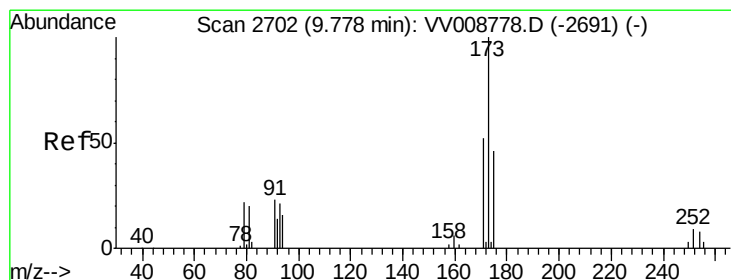
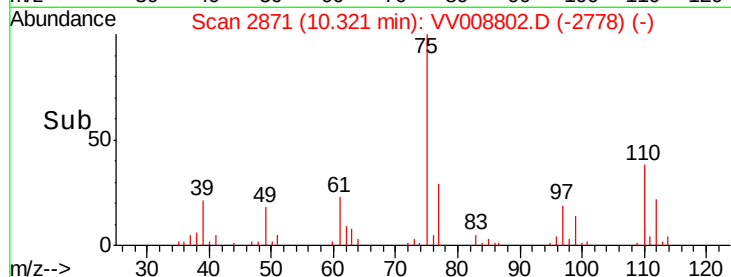
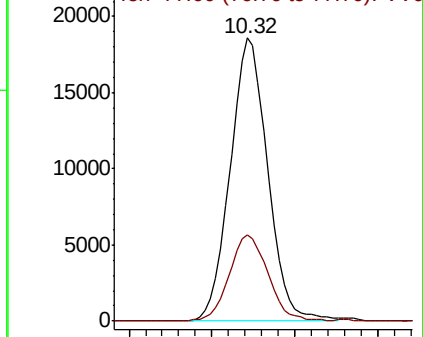
#59
 1,2,3-Trichloropropane
 Concen: 5.095 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 75 Resp: 29250
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.9 40.3

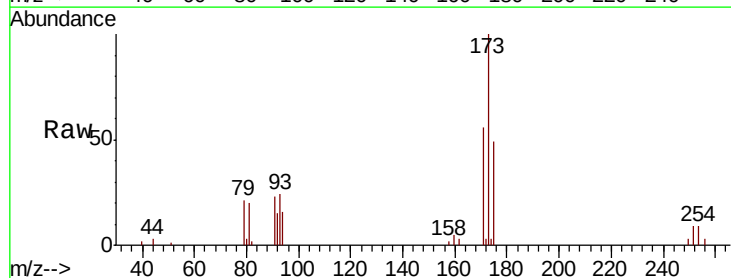


Abundance Ion 75.00 (74.70 to 75.70): VV008778.D (-2859) (-)
 Ion 77.00 (76.70 to 77.70): VV008778.D (-2859) (-)

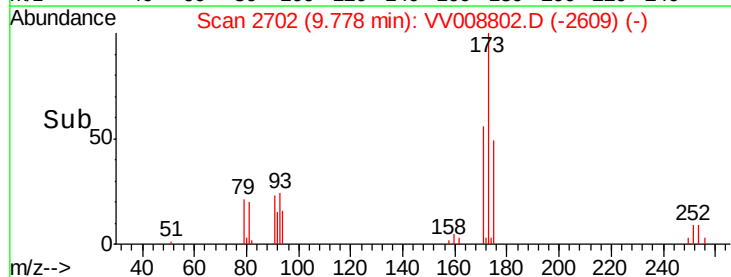
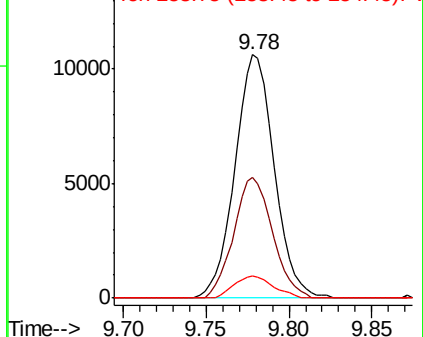


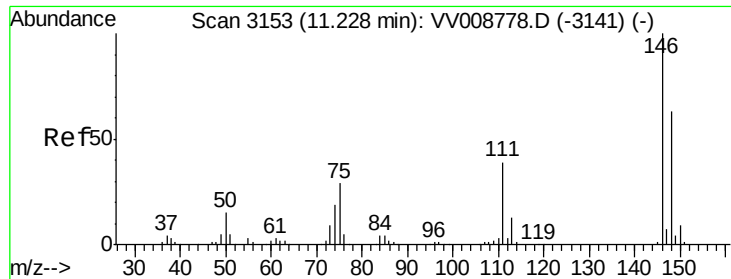
#61
 Bromoform
 Concen: 4.903 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion: 173 Resp: 17536
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.6 59.4
 254 8.9 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): VV008778.D (-2691) (-)
 Ion 174.90 (174.60 to 175.60): VV008778.D (-2691) (-)
 Ion 253.75 (253.45 to 254.45): VV008778.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 4.860 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

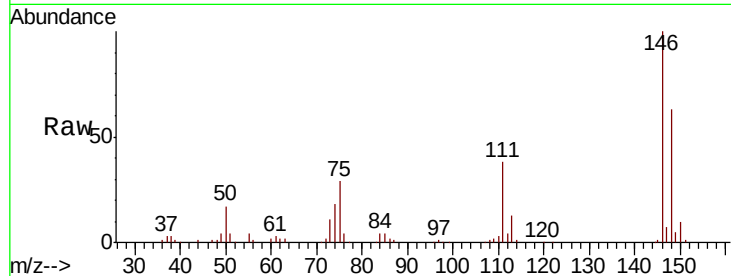
Tgt Ion:146 Resp: 105512

Ion Ratio Lower Upper

146 100

111 38.3 28.1 52.1

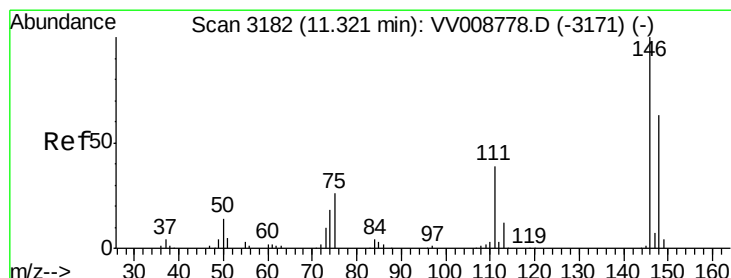
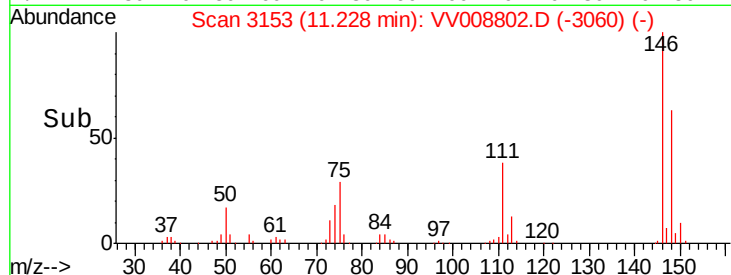
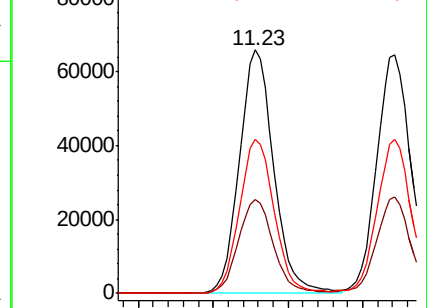
148 63.1 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.917 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

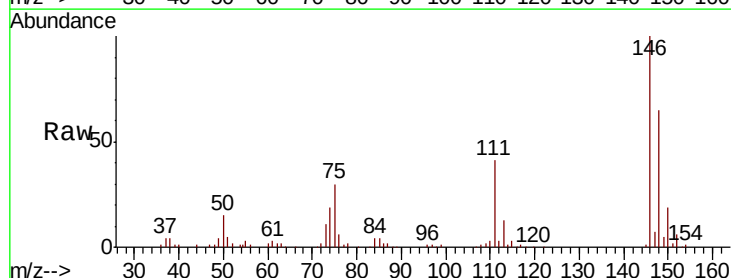
Tgt Ion:146 Resp: 105605

Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.4

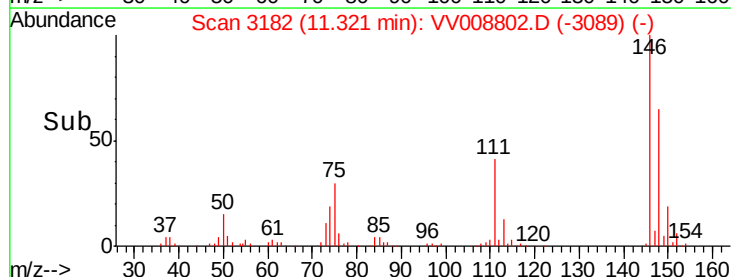
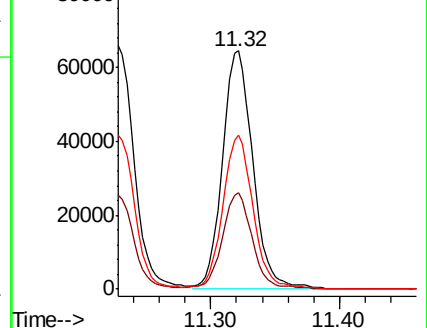
148 64.9 46.5 86.3

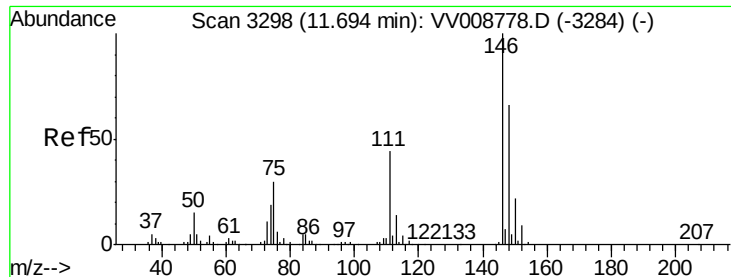


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

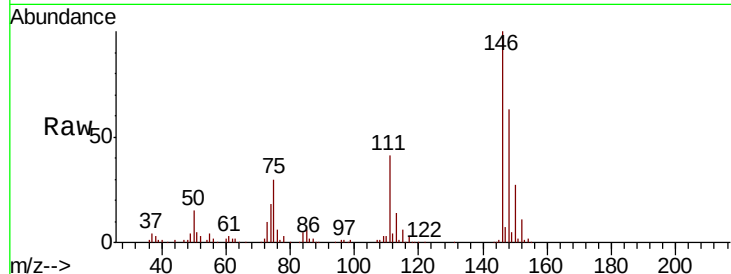




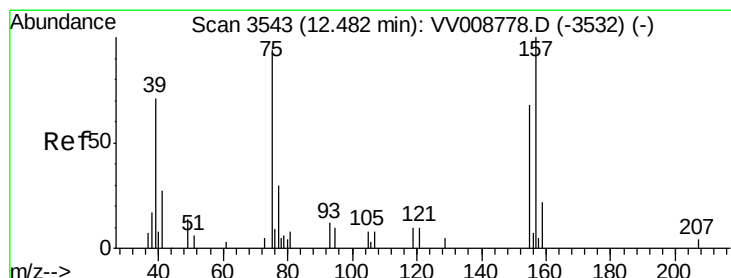
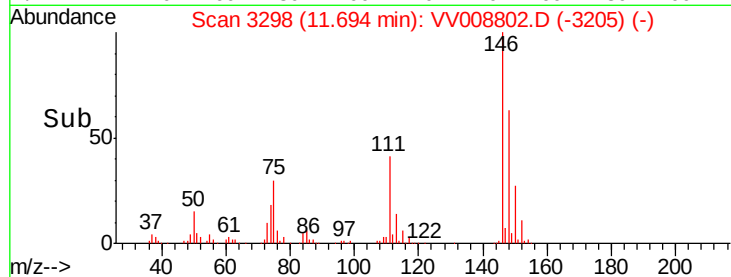
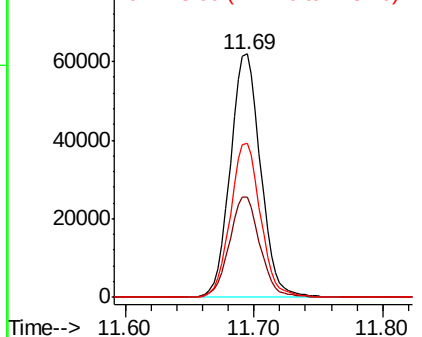
#65
 1,2-Dichlorobenzene
 Concen: 4.940 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

Tgt Ion: 146 Resp: 101185
 Ion Ratio Lower Upper
 146 100
 111 41.0 34.8 52.2
 148 63.3 51.1 76.7

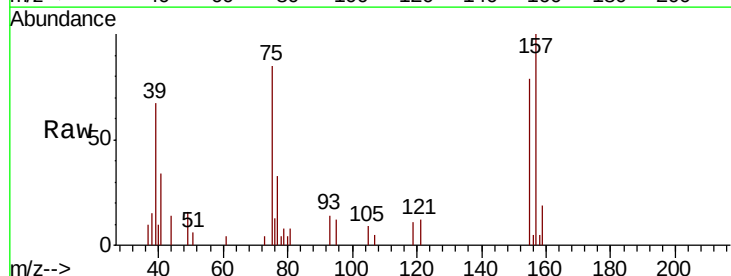


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

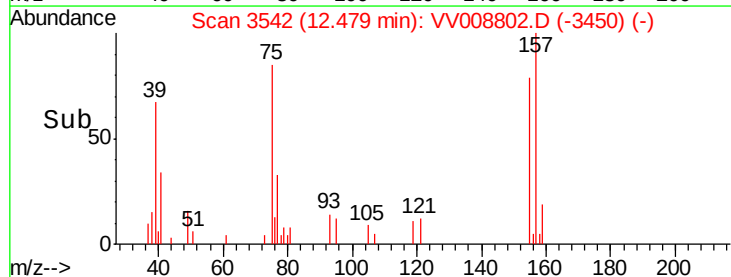
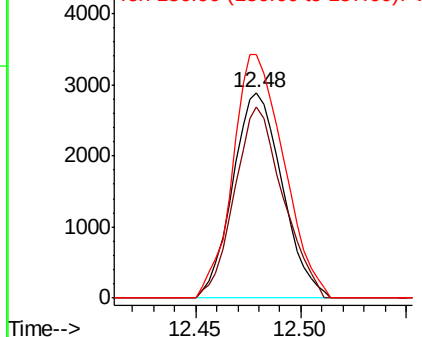


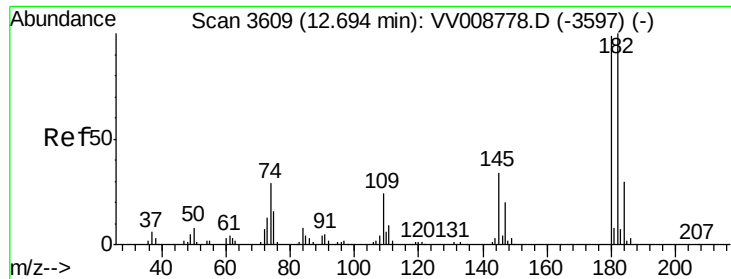
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.653 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion: 75 Resp: 4693
 Ion Ratio Lower Upper
 75 100
 155 93.0 66.7 100.1
 157 118.3 88.0 132.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

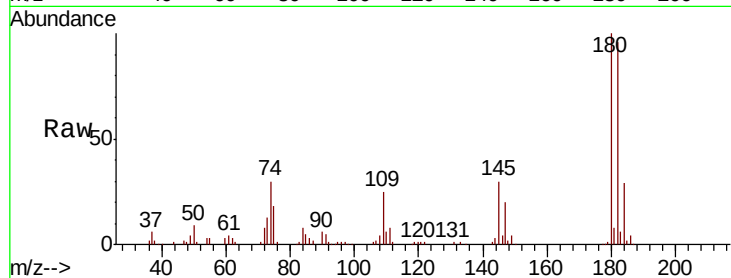




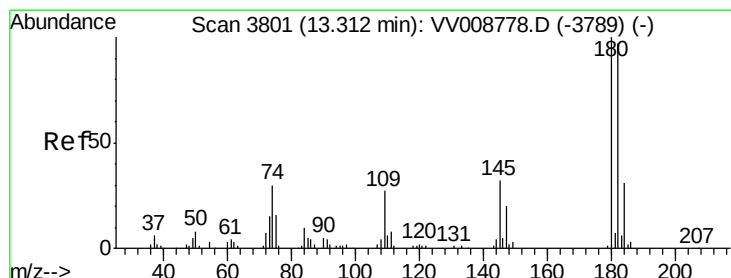
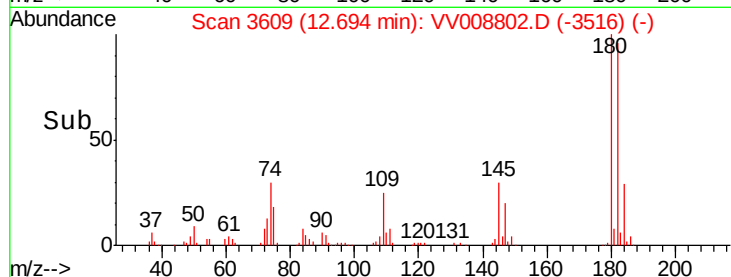
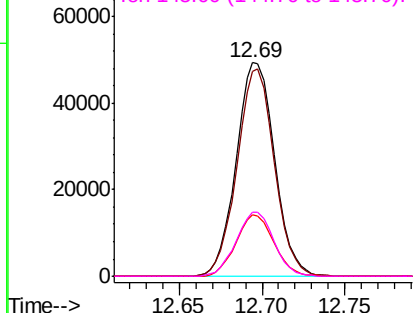
#67
 1,3,5-Trichlorobenzene
 Concen: 4.984 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:180 Resp: 79411
 Ion Ratio Lower Upper
 180 100
 182 94.3 74.7 112.1
 184 28.3 23.3 34.9
 145 29.5 24.2 36.4

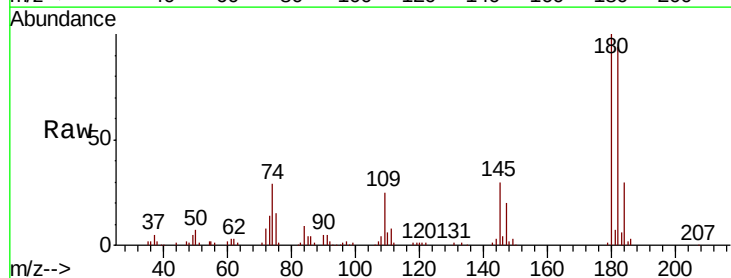


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

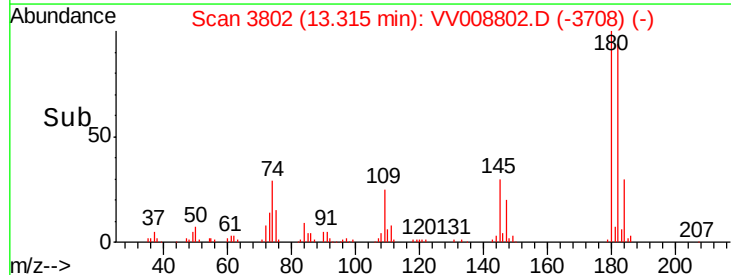
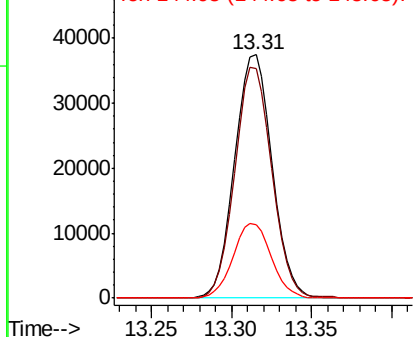


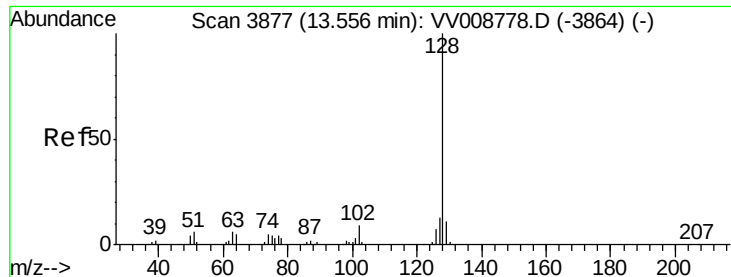
#68
 1,2,4-trichlorobenzene
 Concen: 5.077 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008802.D
 Acq: 30 Nov 2018 07:51

Tgt Ion:180 Resp: 59676
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.2 111.4
 145 31.4 24.1 36.1



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: 4.996 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

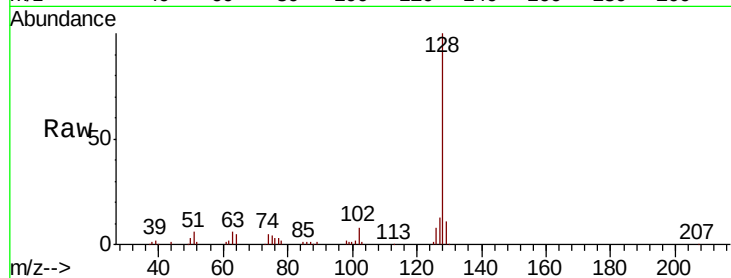
Tgt Ion:128 Resp: 85867

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

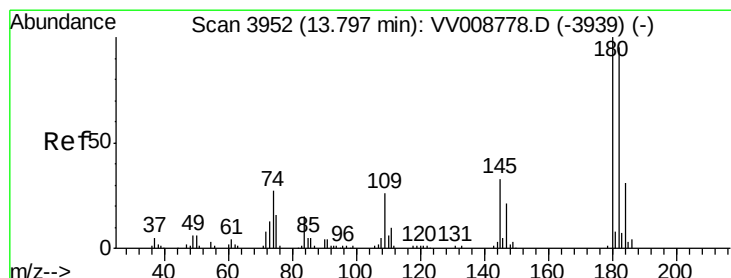
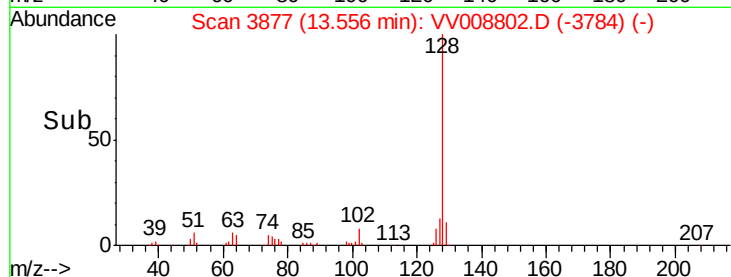
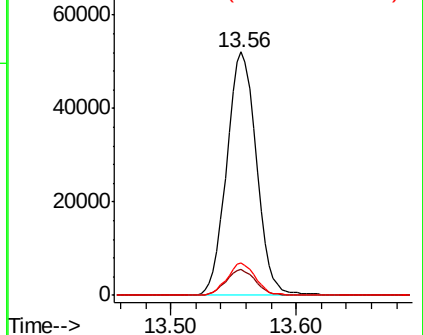
127 12.7 10.1 15.1



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: 5.246 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008802.D

Acq: 30 Nov 2018 07:51

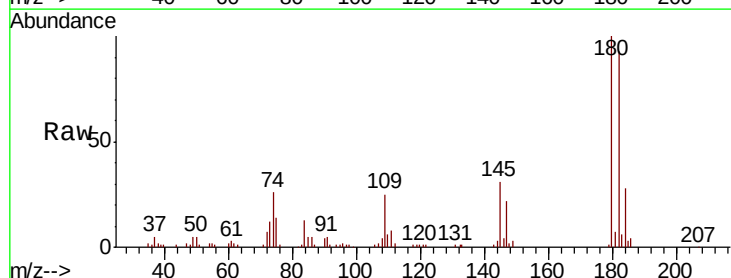
Tgt Ion:180 Resp: 57529

Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

145 33.1 27.6 41.4



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

