

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062218\
 Data File : VV006423.D
 Acq On : 22 Jun 2018 19:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Quant Time: Jun 22 23:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 23:56:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	281624	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	257978	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125282	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80143	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	69624	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.14	63	150484	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	3.97	46	199835	61.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.38%
24) Chloroform-d	4.41	84	154111	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.09	65	75065	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.11	84	313830	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.12	67	97458	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.37	98	287395	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.67	79	31320	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.14	63	167740	46.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.16%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	64896	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	109666	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	111090	5.180 ug/L	100
3) Chloromethane	1.26	50	117392	6.544 ug/L	99
5) Vinyl chloride	1.32	62	125030	5.756 ug/L	100
6) Bromomethane	1.54	94	71520	6.199 ug/L	96
8) Chloroethane	1.60	64	78565	6.471 ug/L	99
9) Trichlorofluoromethane	1.77	101	148935	5.285 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91618	5.268 ug/L	98
12) 1,1-Dichloroethene	2.14	96	91880	5.685 ug/L	94
13) Acetone	2.22	43	127631	72.118 ug/L	94
14) Carbon disulfide	2.32	76	218791	4.041 ug/L	100
15) Methyl Acetate	2.47	43	37213	7.065 ug/L	97
16) Methylene chloride	2.54	84	103556	5.804 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	229085	5.729 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	102779	5.829 ug/L	97
19) 1,1-Dichloroethane	3.23	63	176693	5.958 ug/L	99
21) 2-Butanone	4.05	43	209609	65.104 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	111962	5.868 ug/L #	99

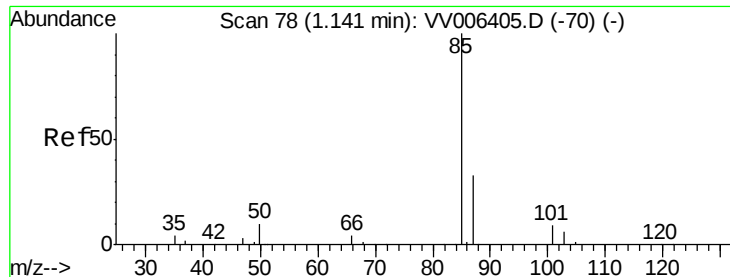
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062218\
 Data File : VV006423.D
 Acq On : 22 Jun 2018 19:59
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 23:56:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	46077	6.021	ug/L	98
25) Chloroform	4.44	83	183210	5.982	ug/L	97
27) 1,2-Dichloroethane	5.19	62	104292	5.931	ug/L	98
29) 1,1,1-Trichloroethane	4.67	97	145635	5.110	ug/L	99
30) Cyclohexane	4.73	56	140155	4.781	ug/L	97
31) Carbon tetrachloride	4.88	117	117007	4.655	ug/L	99
33) Benzene	5.15	78	411948	5.792	ug/L	100
34) Trichloroethene	5.96	95	161480	8.318	ug/L	98
35) Methylcyclohexane	6.18	83	159651	4.784	ug/L	99
37) 1,2-Dichloropropane	6.23	63	101075	5.932	ug/L	99
38) Bromodichloromethane	6.56	83	107937	4.757	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	132165	4.759	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	499804	56.711	ug/L	99
42) Toluene	7.44	91	435245	5.544	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	100502	4.461	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	70684	5.861	ug/L	99
47) Tetrachloroethene	8.03	164	85947	5.531	ug/L	99
48) 2-Hexanone	8.19	43	367325	59.303	ug/L	98
49) Dibromochloromethane	8.30	129	68205	4.492	ug/L	97
50) 1,2-Dibromoethane	8.40	107	64285	5.721	ug/L	98
51) Chlorobenzene	8.93	112	285361	5.661	ug/L	99
52) Ethylbenzene	9.06	91	465150	5.318	ug/L	100
53) m,p-xylene	9.19	106	179436	5.258	ug/L	99
54) o-xylene	9.59	106	178187	5.340	ug/L	100
55) Styrene	9.61	104	297391	5.418	ug/L	97
56) Isopropylbenzene	9.98	105	453668	5.163	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66915	4.844	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	56262	5.860	ug/L	99
61) Bromoform	9.78	173	32446	3.817	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	214818	5.443	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	212882	5.453	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	205218	5.635	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7373	3.081	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	162075	5.335	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	123784	5.270	ug/L	100
69) Naphthalene	13.56	128	187203	4.737	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	118068	5.471	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.180 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

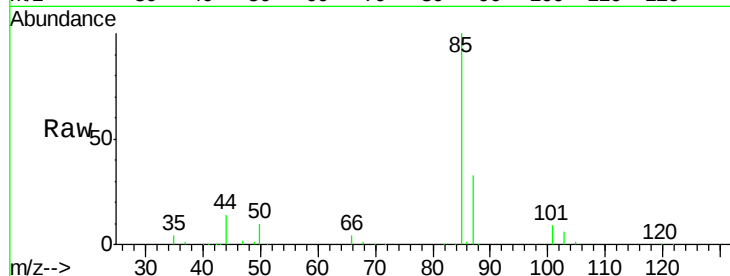
VSTD00579

Tgt Ion: 85 Resp: 111090

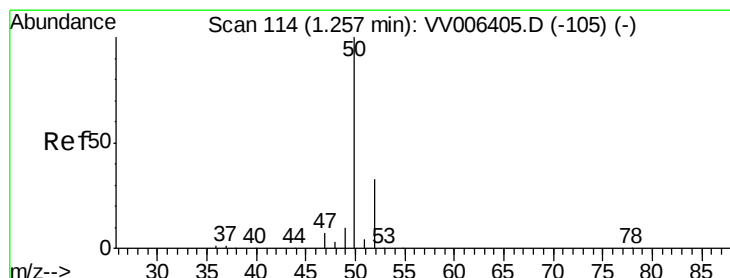
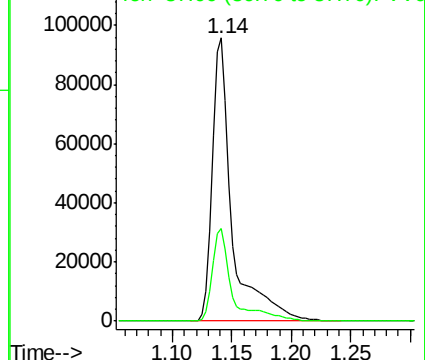
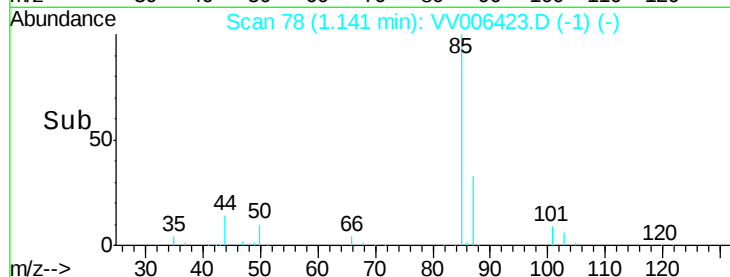
Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV006423.D (-1) (-)



#3

Chloromethane

Concen: 6.544 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006423.D

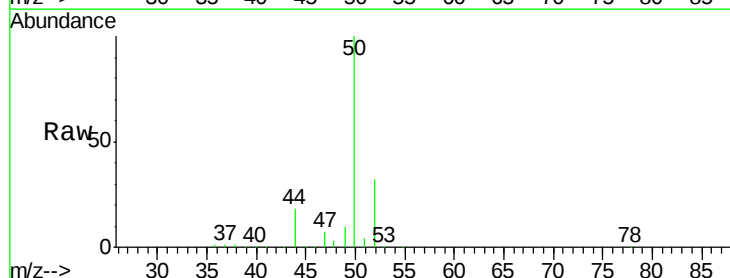
Acq: 22 Jun 2018 19:59

Tgt Ion: 50 Resp: 117392

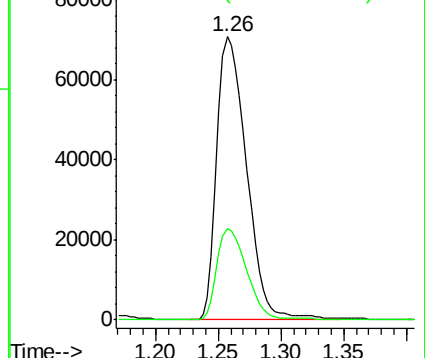
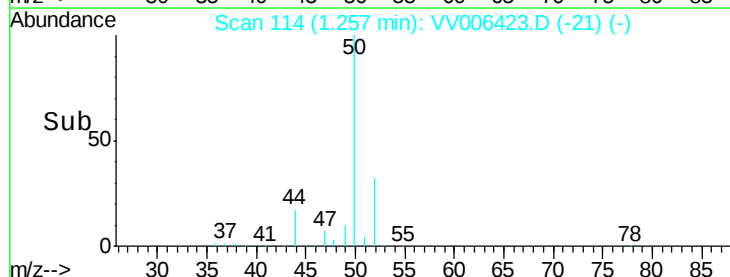
Ion Ratio Lower Upper

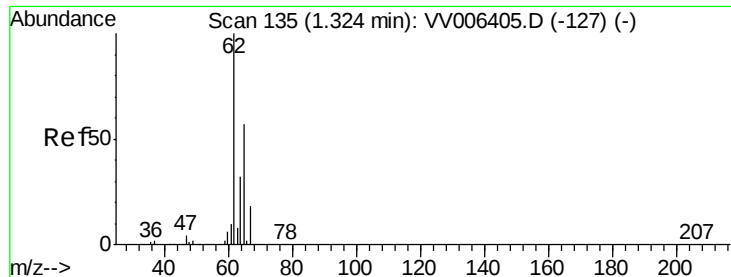
50 100

52 32.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV006423.D (-21) (-)





#5

Vinyl chloride

Concen: 5.756 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

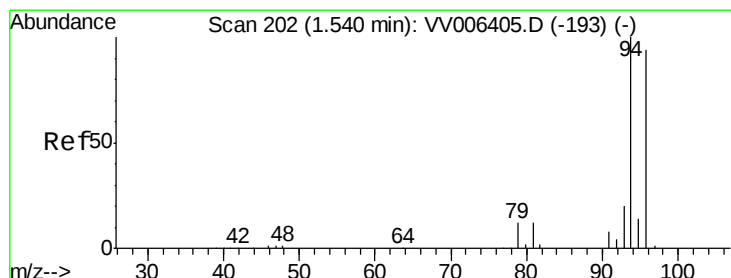
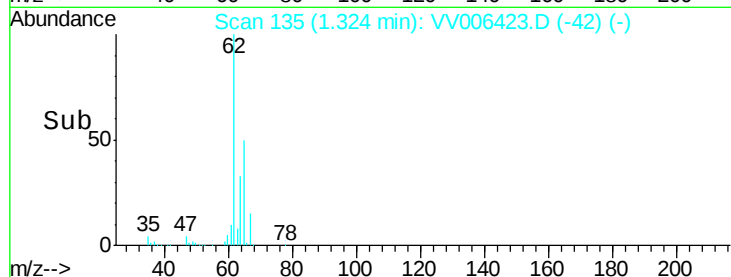
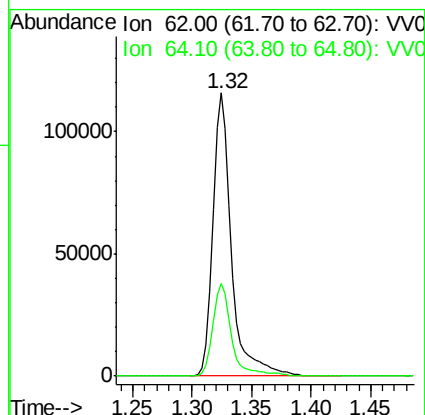
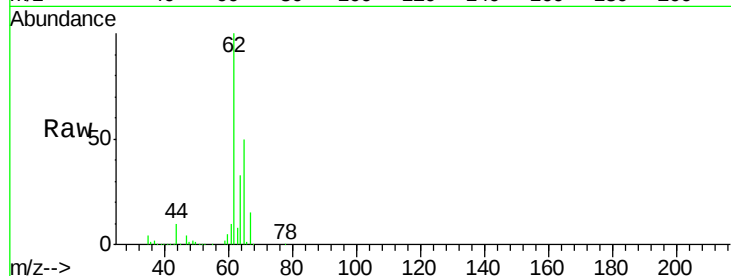
VSTD00579

Tgt Ion: 62 Resp: 125030

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 6.199 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006423.D

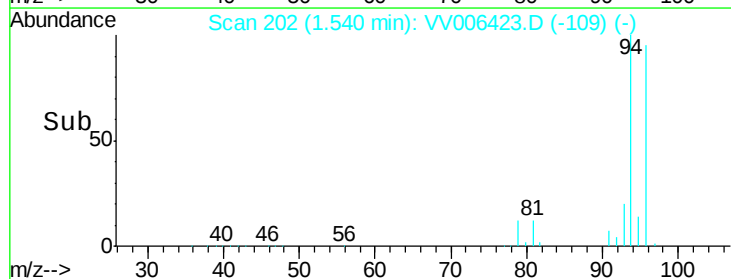
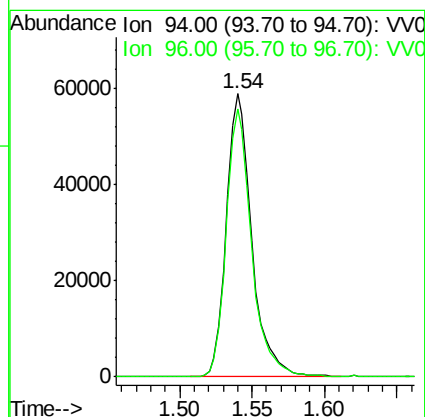
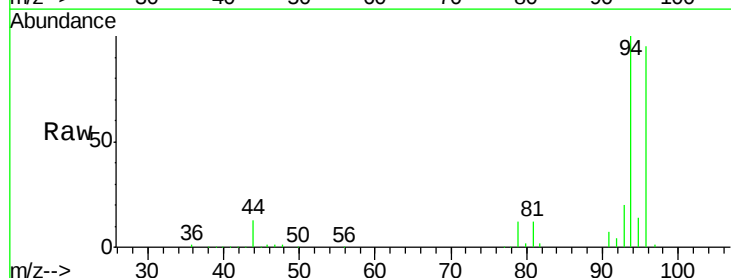
Acq: 22 Jun 2018 19:59

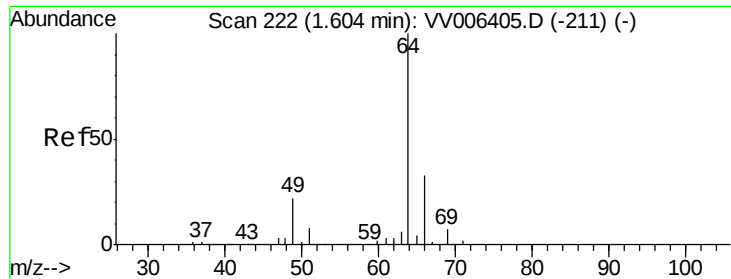
Tgt Ion: 94 Resp: 71520

Ion Ratio Lower Upper

94 100

96 94.6 68.9 127.9





#8

Chloroethane

Concen: 6.471 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

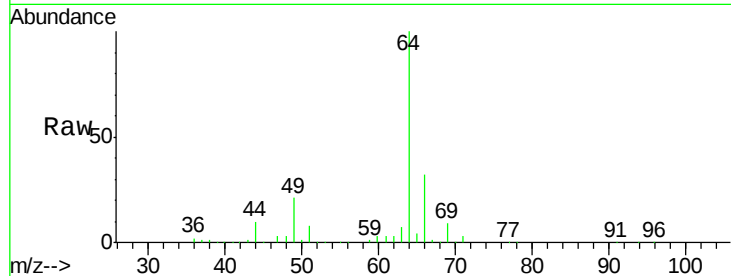
VSTD00579

Tgt Ion: 64 Resp: 78565

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006423.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006423.D (-129) (-)

1.60

60000

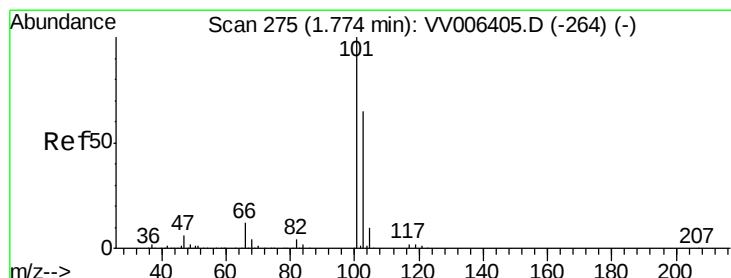
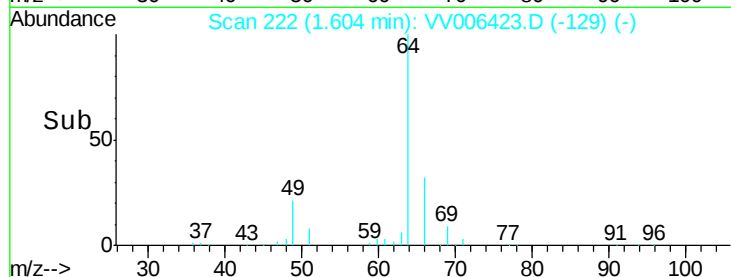
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.285 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006423.D

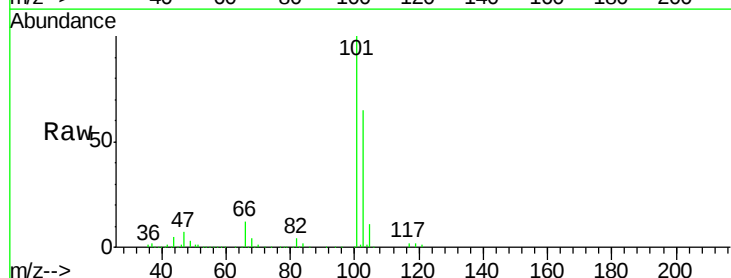
Acq: 22 Jun 2018 19:59

Tgt Ion: 101 Resp: 148935

Ion Ratio Lower Upper

101 100

103 64.9 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006423.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006423.D (-182) (-)

1.77

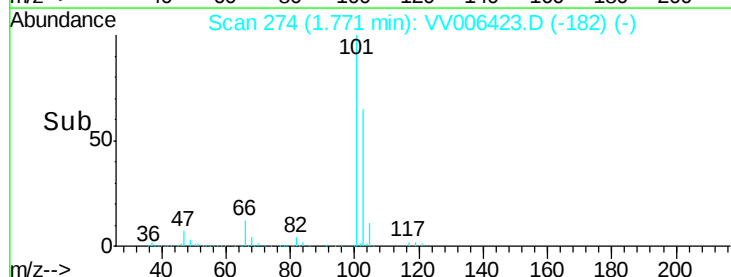
100000

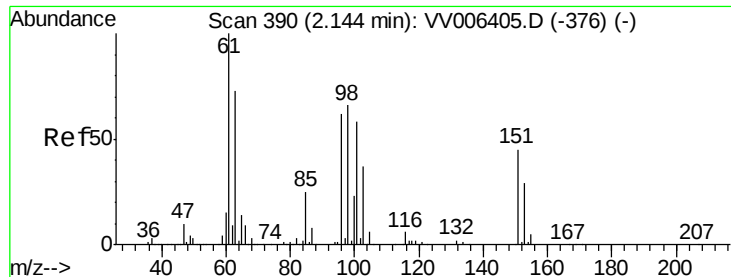
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.268 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

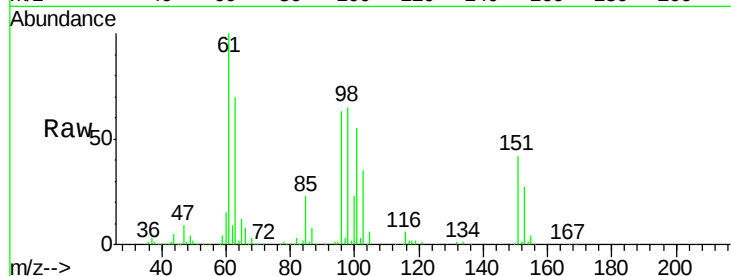
Tgt Ion:101 Resp: 91618

Ion Ratio Lower Upper

101 100

85 42.3 32.6 49.0

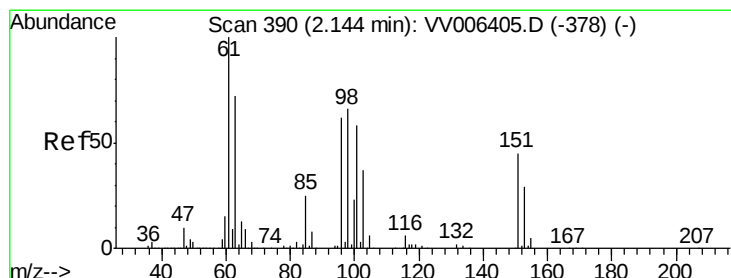
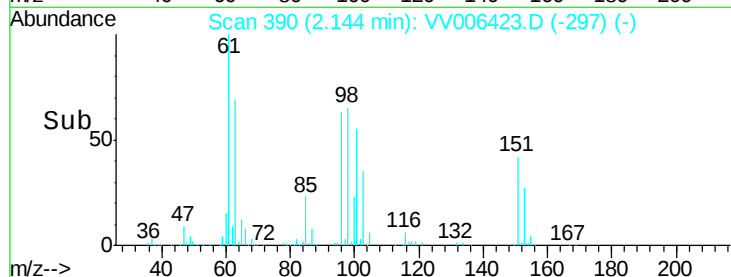
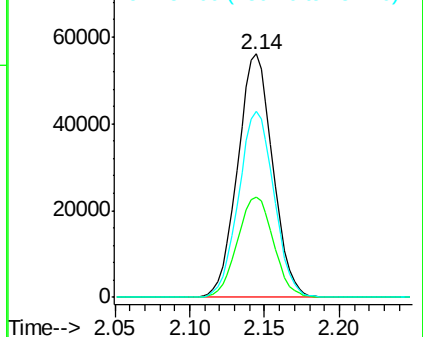
151 77.1 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006405.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006405.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006405.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 5.685 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

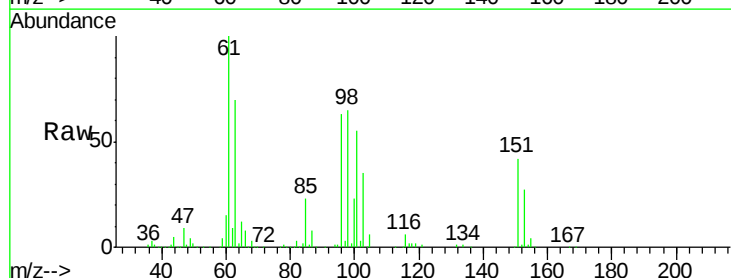
Tgt Ion: 96 Resp: 91880

Ion Ratio Lower Upper

96 100

61 158.4 114.2 212.2

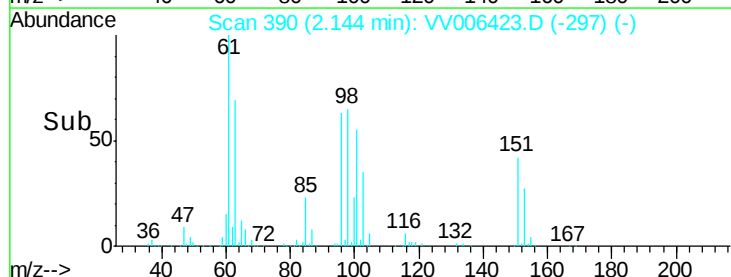
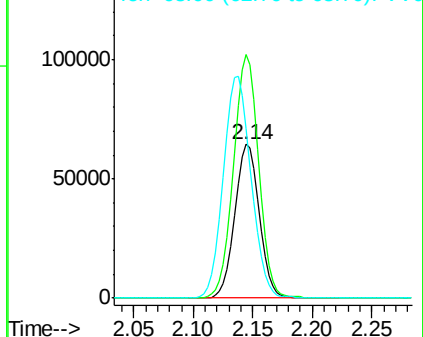
63 110.2 85.0 157.8

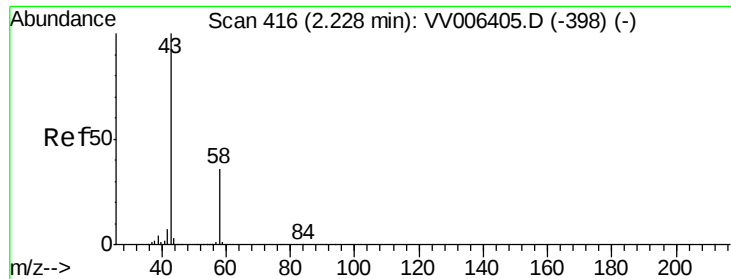


Abundance Ion 96.00 (95.70 to 96.70): VV006405.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV006405.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VV006405.D (-378) (-)





#13

Acetone

Concen: 72.118 ug/L

RT: 2.22 min Scan# 414

Delta R.T. -0.01 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampled :

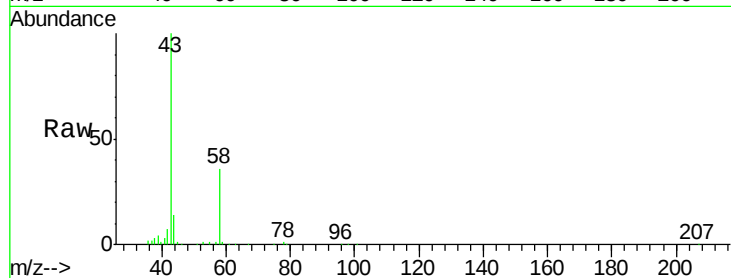
VSTD00579

Tgt Ion: 43 Resp: 127631

Ion Ratio Lower Upper

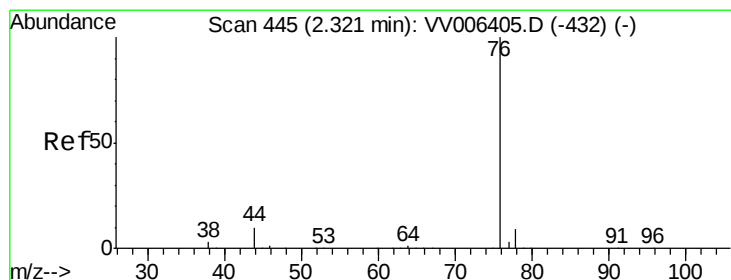
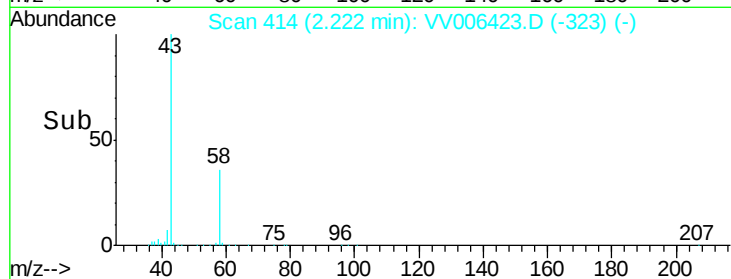
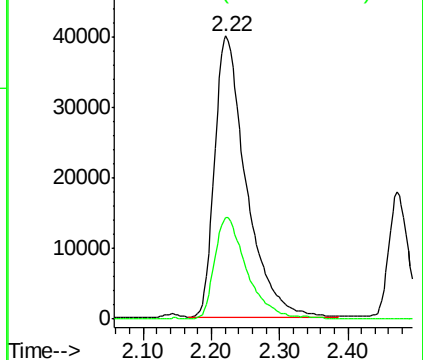
43 100

58 37.1 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.041 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006423.D

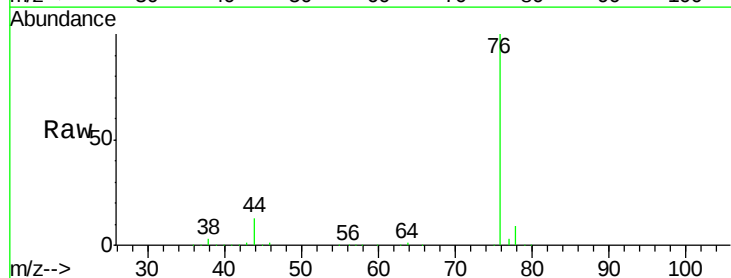
Acq: 22 Jun 2018 19:59

Tgt Ion: 76 Resp: 218791

Ion Ratio Lower Upper

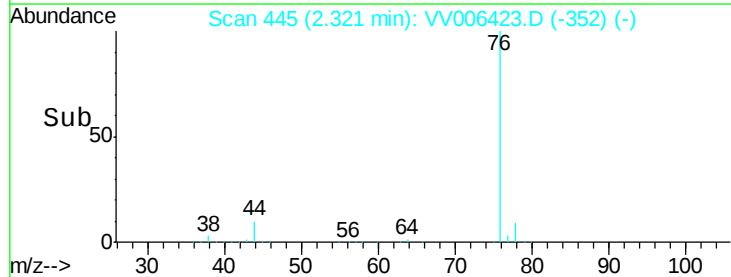
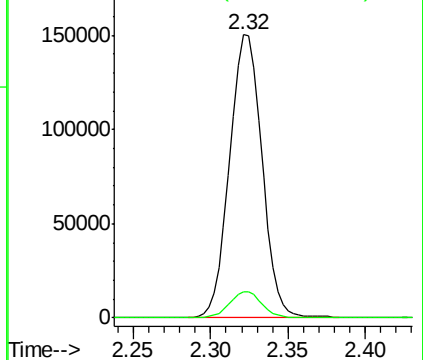
76 100

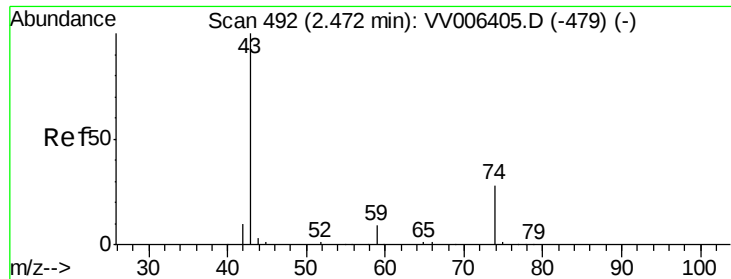
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 7.065 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

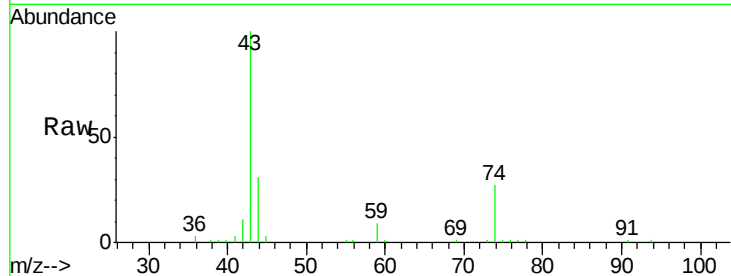
VSTD00579

Tgt Ion: 43 Resp: 37213

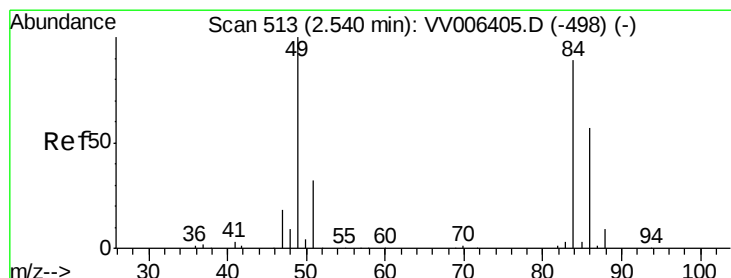
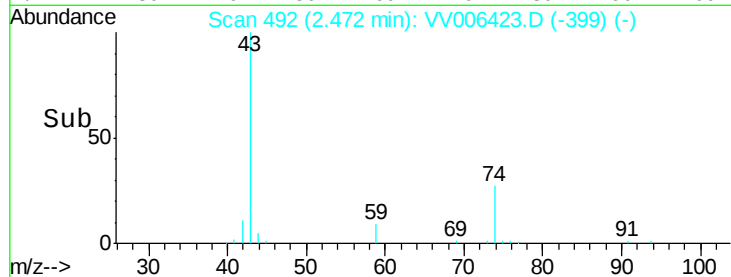
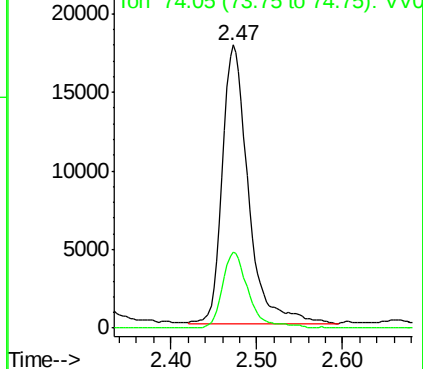
Ion Ratio Lower Upper

43 100

74 27.4 23.4 35.0



Abundance Ion 43.05 (42.75 to 43.75): VV006423.D (-399) (-)



#16

Methylene chloride

Concen: 5.804 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

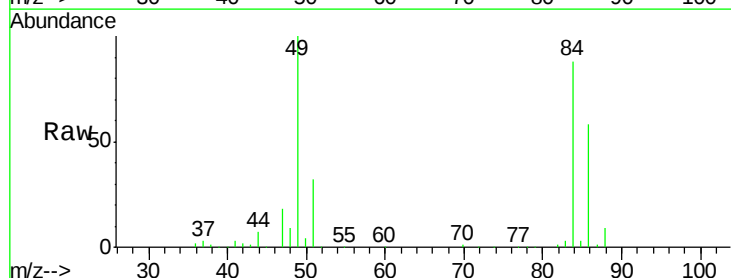
Tgt Ion: 84 Resp: 103556

Ion Ratio Lower Upper

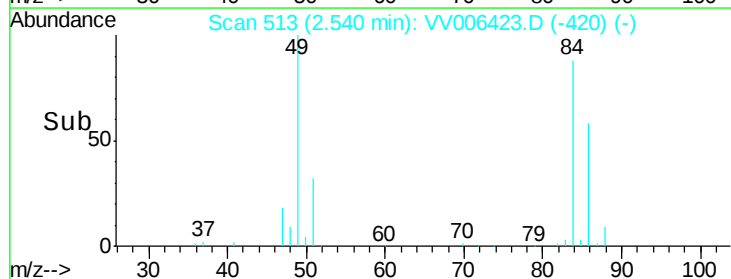
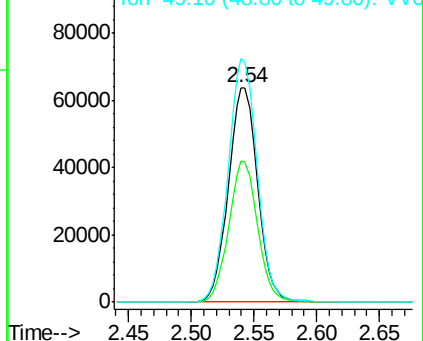
84 100

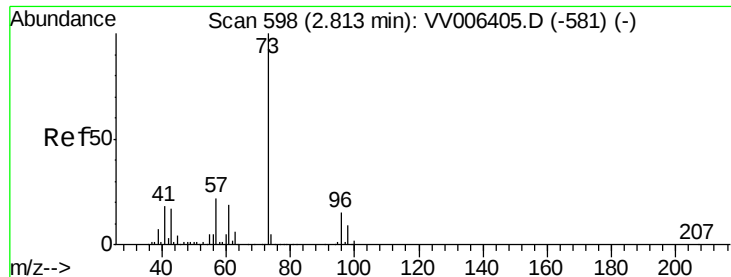
86 65.6 44.2 82.0

49 113.6 78.8 146.4



Abundance Ion 84.05 (83.75 to 84.75): VV006423.D (-420) (-)





#17

Methyl tert-butyl Ether

Concen: 5.729 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

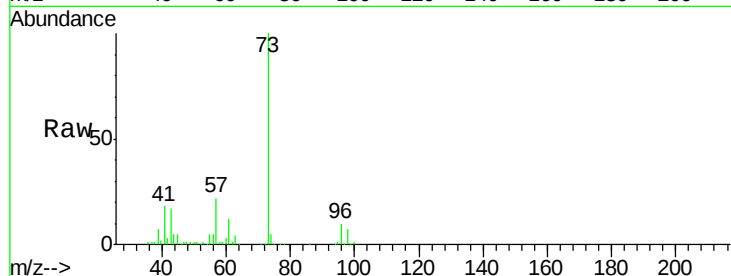
Tgt Ion: 73 Resp: 229085

Ion Ratio Lower Upper

73 100

43 16.1 14.2 21.4

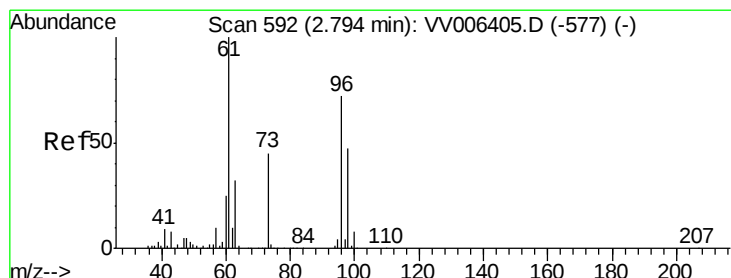
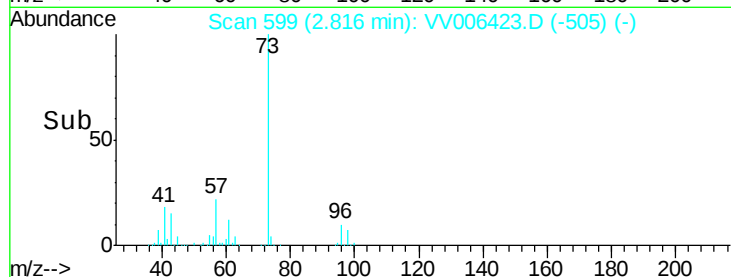
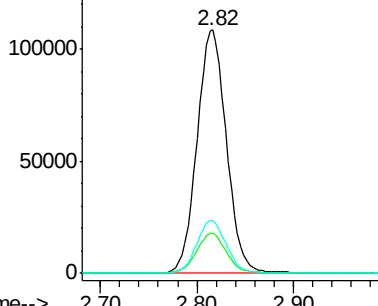
57 22.1 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006423.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006423.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006423.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.829 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

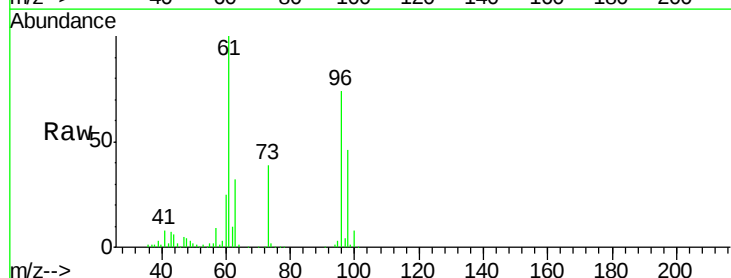
Tgt Ion: 96 Resp: 102779

Ion Ratio Lower Upper

96 100

61 134.3 96.3 178.9

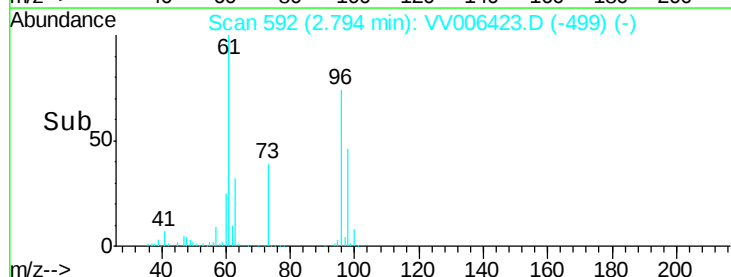
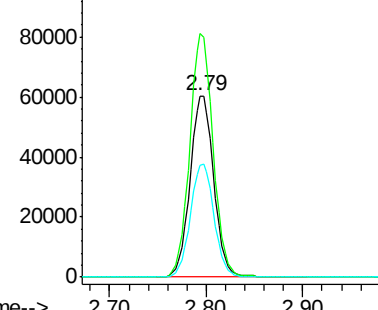
98 61.8 45.4 84.2

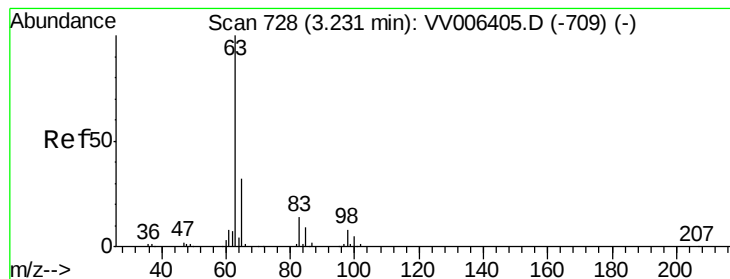


Abundance Ion 96.00 (95.70 to 96.70): VV006423.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006423.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006423.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 5.958 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampled :

VSTD00579

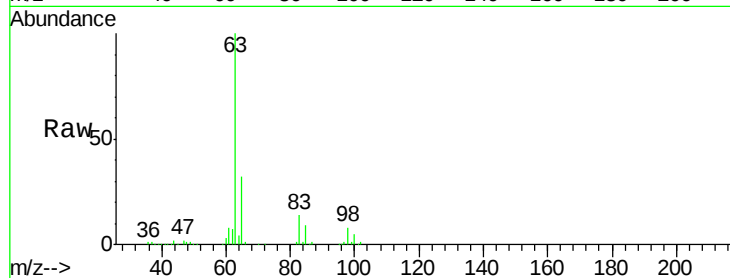
Tgt Ion: 63 Resp: 176693

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

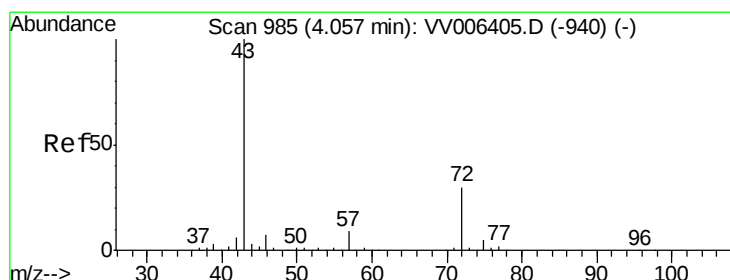
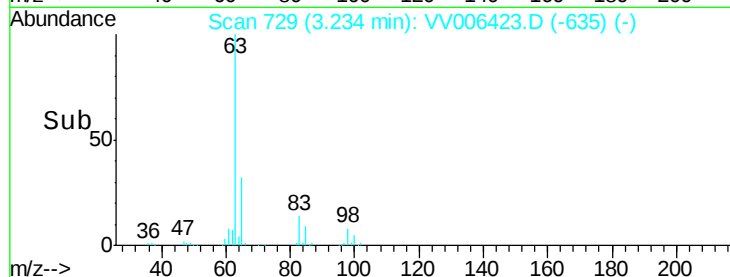
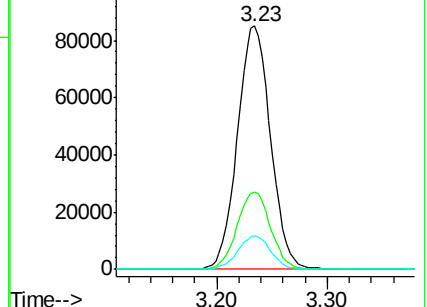
83 13.7 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV006423.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006423.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006423.D (-635) (-)



#21

2-Butanone

Concen: 65.104 ug/L

RT: 4.05 min Scan# 984

Delta R.T. -0.00 min

Lab File: VV006423.D

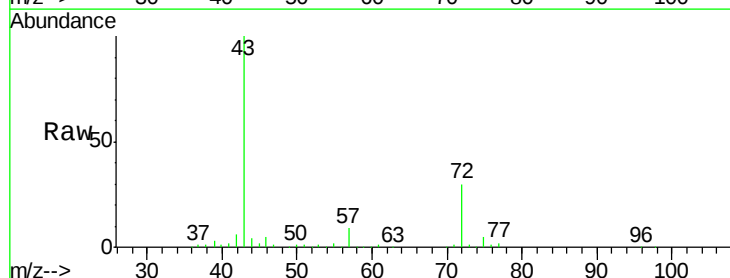
Acq: 22 Jun 2018 19:59

Tgt Ion: 43 Resp: 209609

Ion Ratio Lower Upper

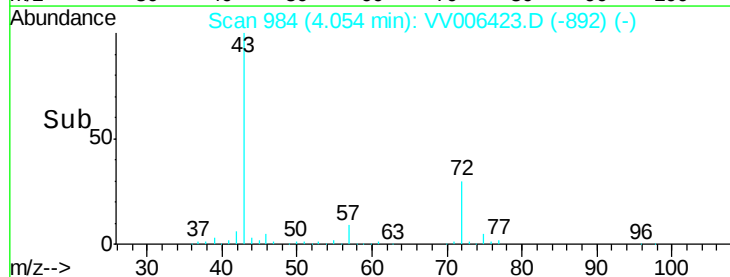
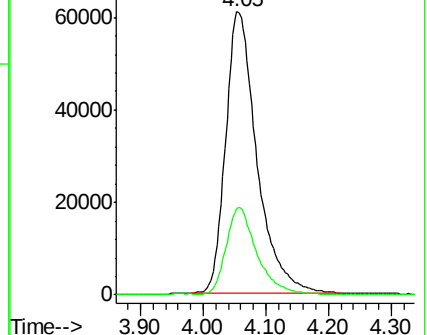
43 100

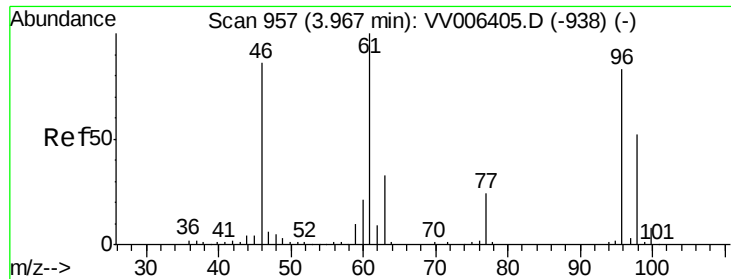
72 31.0 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV006423.D (-892) (-)

Ion 72.10 (71.80 to 72.80): VV006423.D (-892) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.868 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

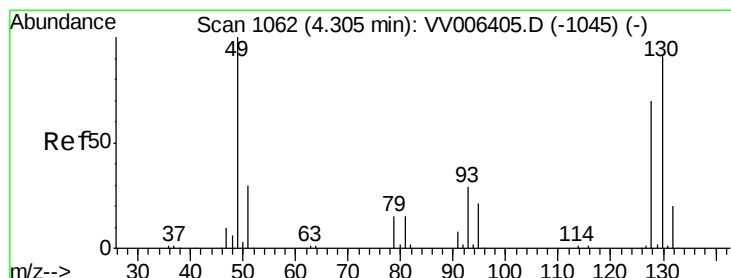
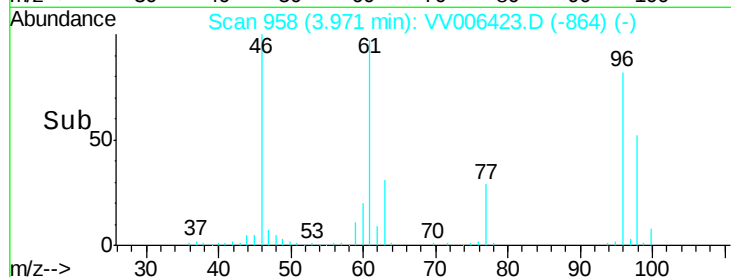
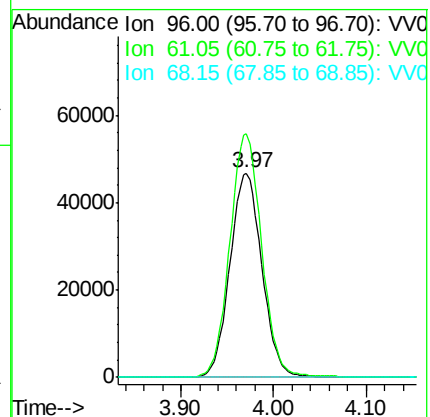
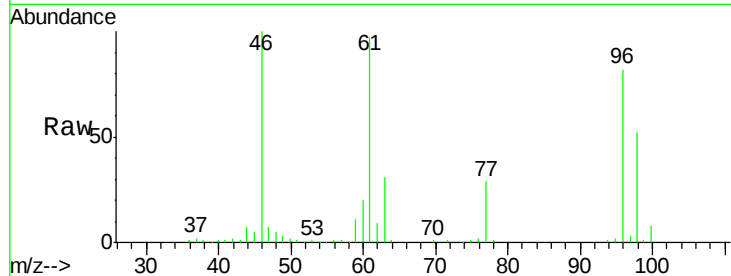
Tgt Ion: 96 Resp: 111962

Ion Ratio Lower Upper

96 100

61 119.3 84.1 156.3

68 0.0 0.3 0.5#



#23

Bromochloromethane

Concen: 6.021 ug/L

RT: 4.31 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Tgt Ion: 128 Resp: 46077

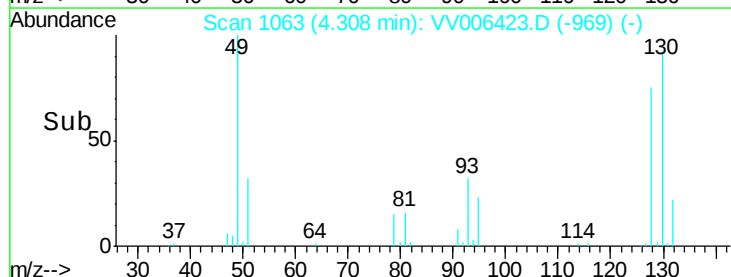
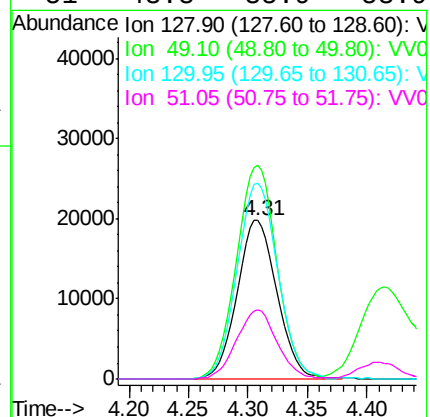
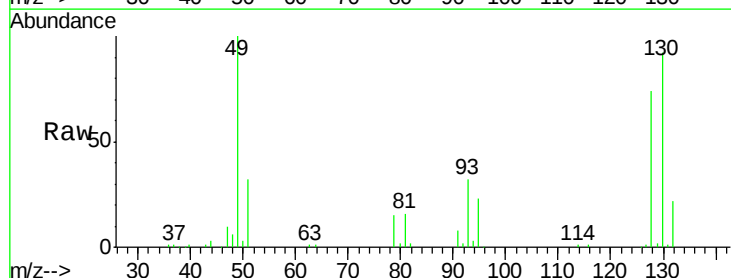
Ion Ratio Lower Upper

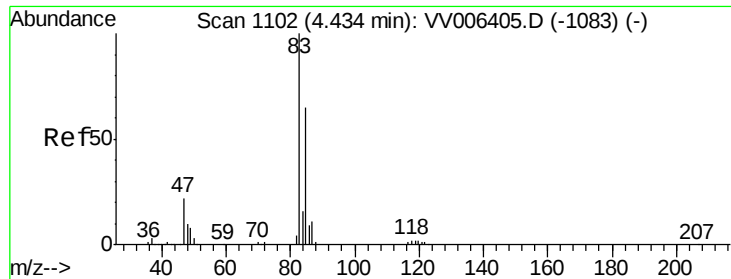
128 100

49 134.9 97.1 180.3

130 123.5 86.6 160.8

51 43.8 35.9 53.9





#25

Chloroform

Concen: 5.982 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

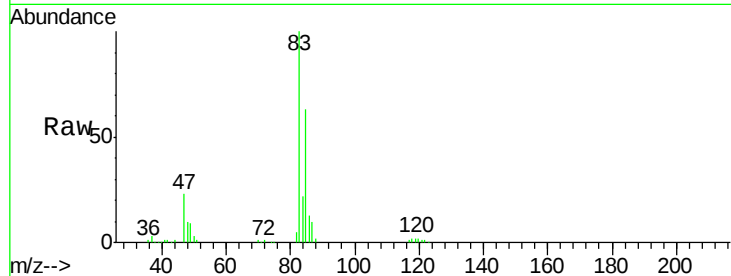
VSTD00579

Tgt Ion: 83 Resp: 183210

Ion Ratio Lower Upper

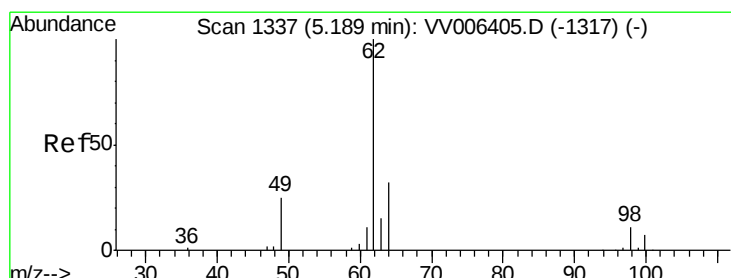
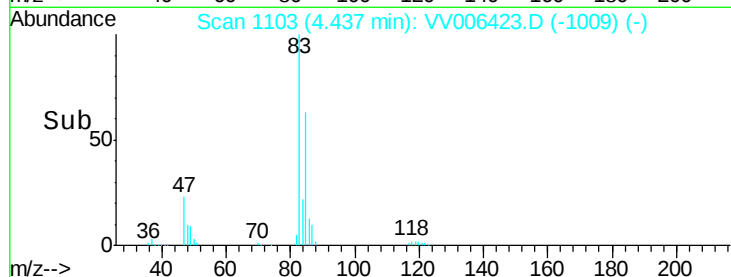
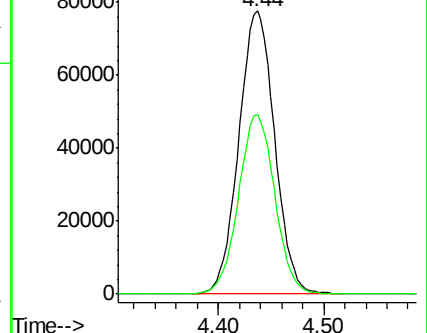
83 100

85 63.3 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 5.931 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006423.D

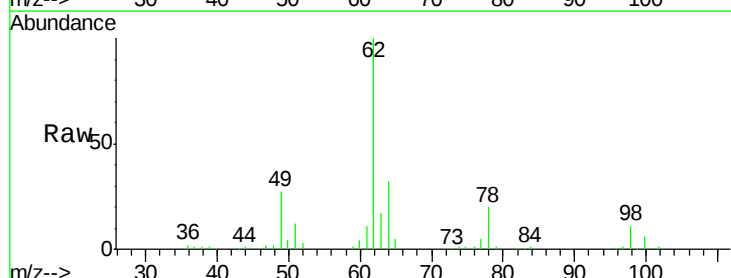
Acq: 22 Jun 2018 19:59

Tgt Ion: 62 Resp: 104292

Ion Ratio Lower Upper

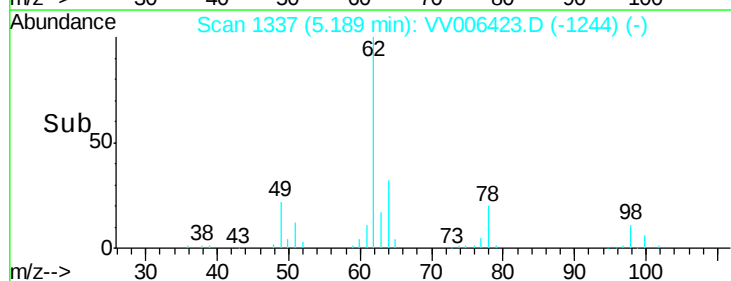
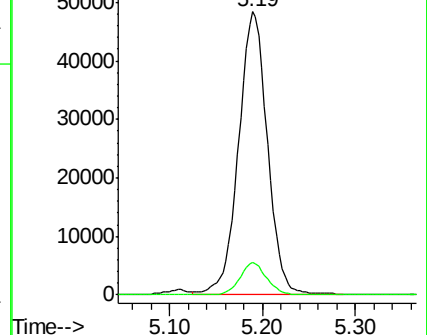
62 100

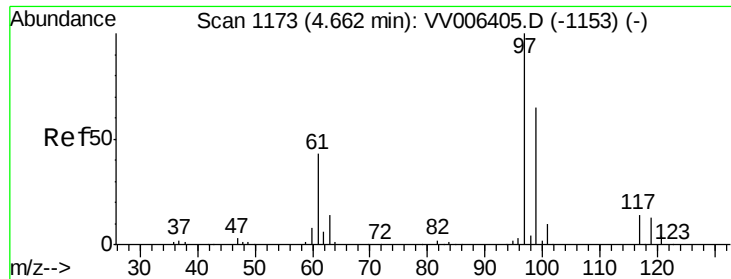
98 11.4 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

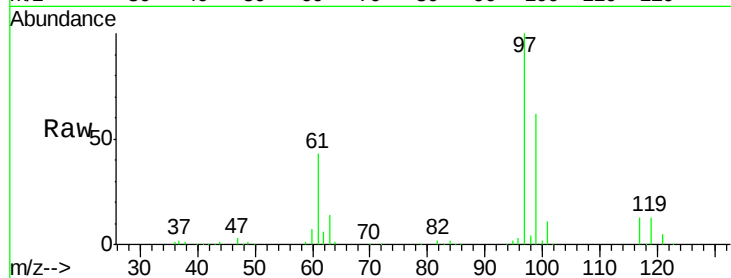




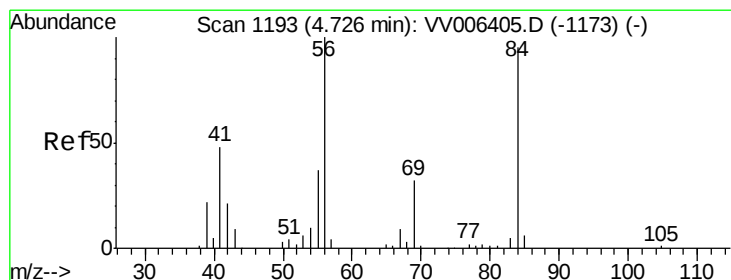
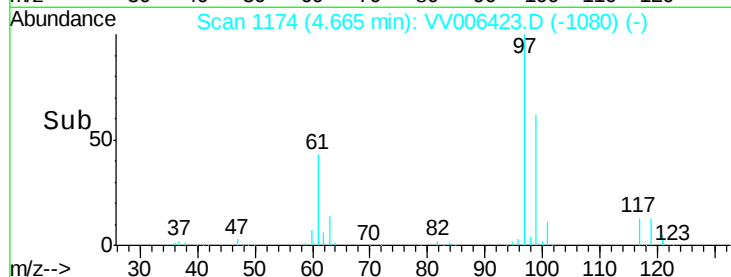
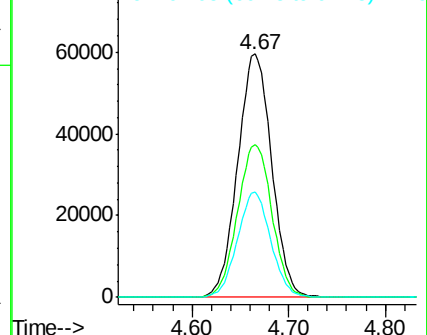
#29
 1,1,1-Trichloroethane
 Concen: 5.110 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tgt Ion: 97 Resp: 145635
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.5 77.3
 61 42.5 33.7 50.5

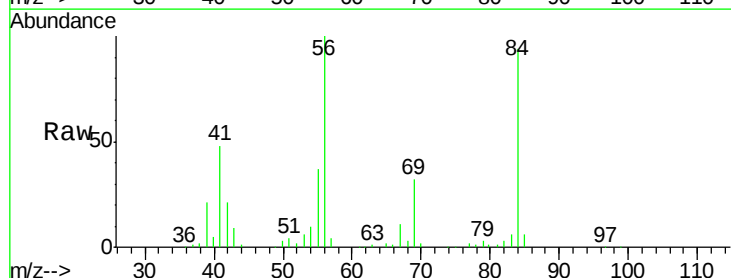


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

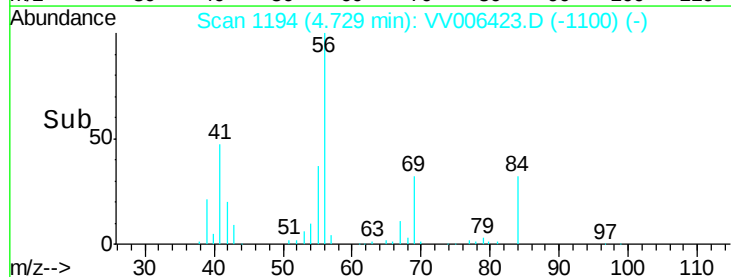
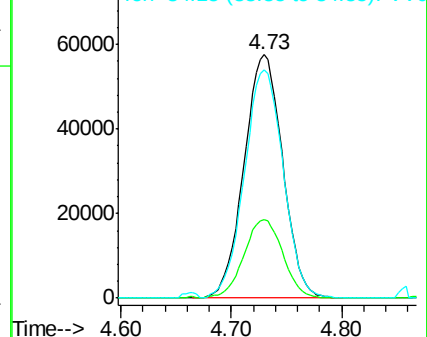


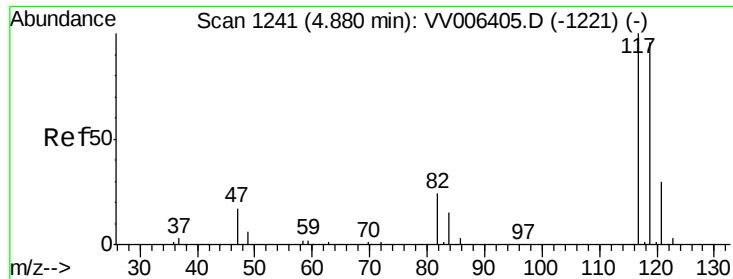
#30
 Cyclohexane
 Concen: 4.781 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion: 56 Resp: 140155
 Ion Ratio Lower Upper
 56 100
 69 32.6 26.4 39.6
 84 94.5 78.9 118.3



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





#31

Carbon tetrachloride

Concen: 4.655 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

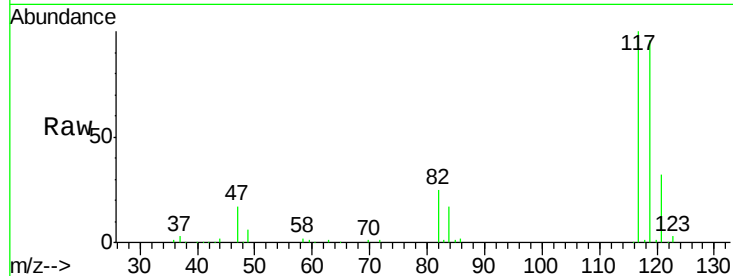
VSTD00579

Tgt Ion:117 Resp: 117007

Ion Ratio Lower Upper

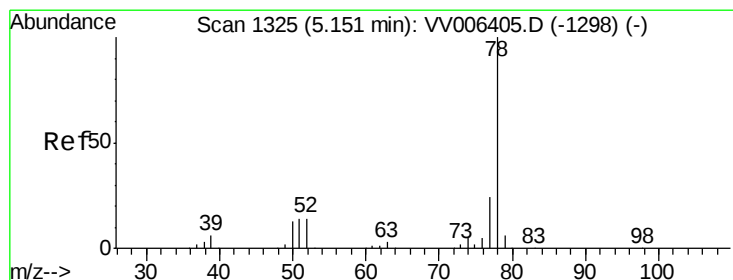
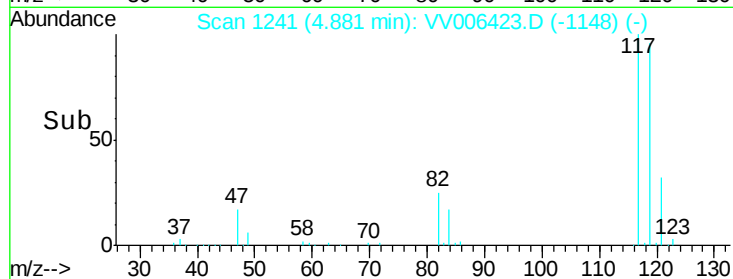
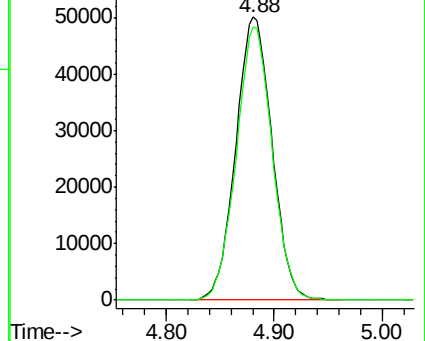
117 100

119 95.6 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.792 ug/L

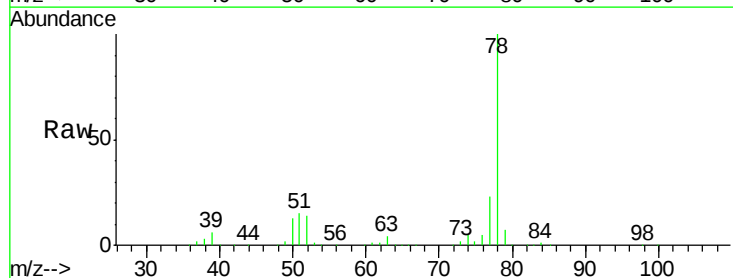
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

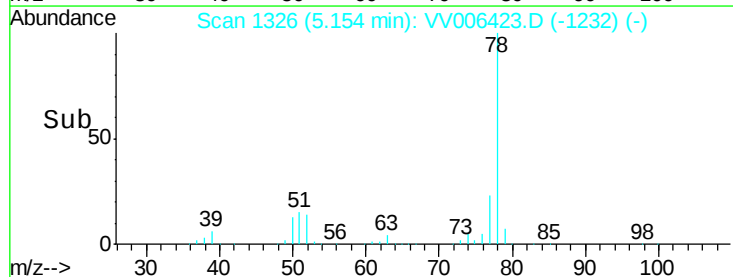
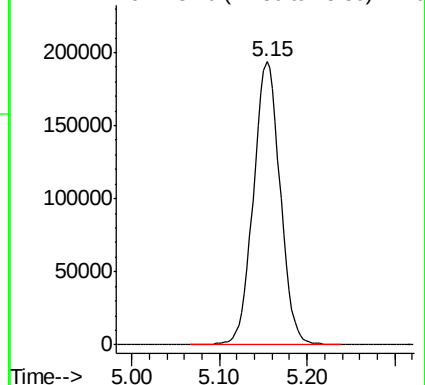
Lab File: VV006423.D

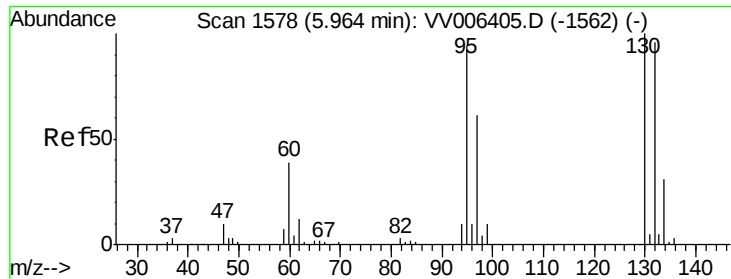
Acq: 22 Jun 2018 19:59

Tgt Ion: 78 Resp: 411948



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 8.318 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

Tgt Ion: 95 Resp: 161480

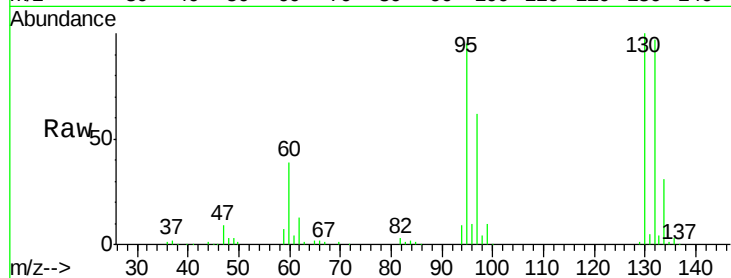
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.9

132 101.3 69.0 128.1

130 105.0 72.8 135.2

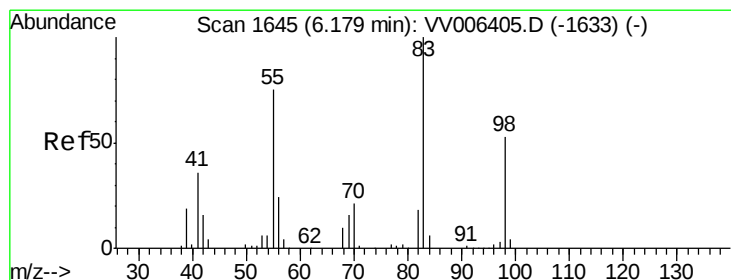
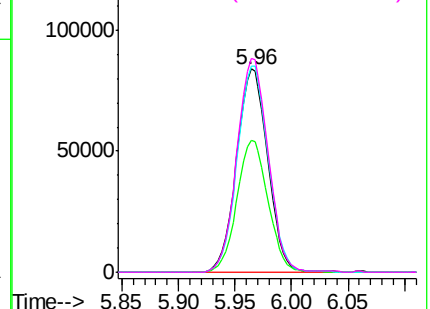
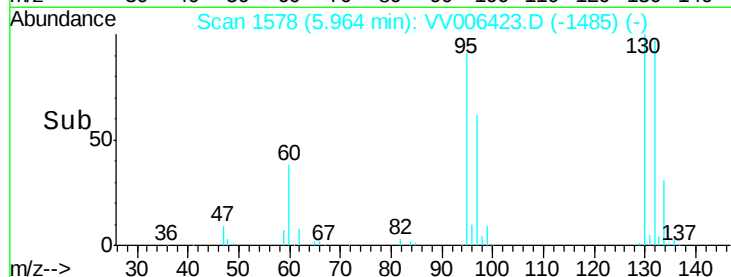


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.784 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

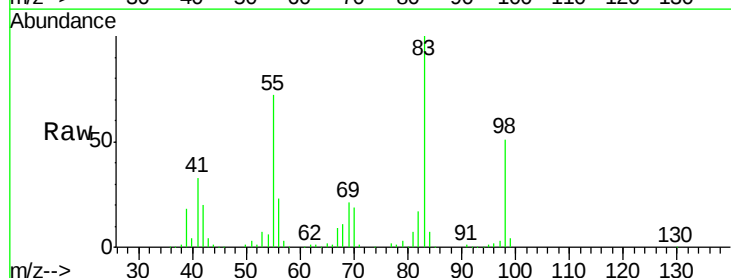
Tgt Ion: 83 Resp: 159651

Ion Ratio Lower Upper

83 100

55 71.0 57.5 86.3

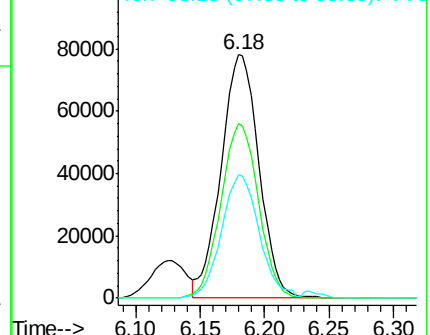
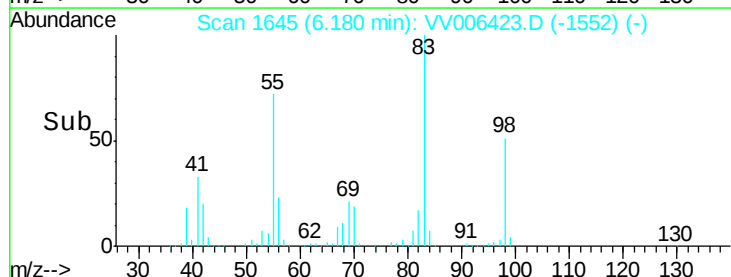
98 50.4 39.8 59.8

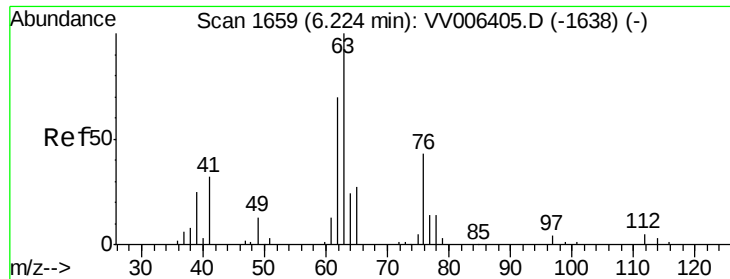


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

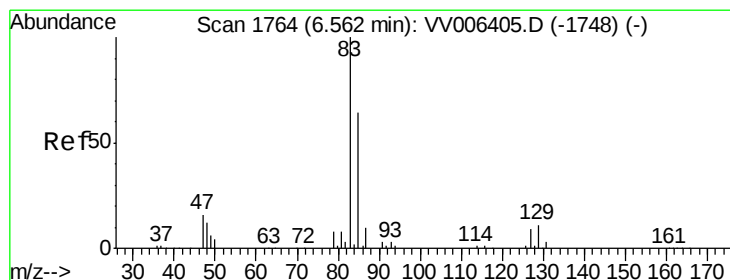
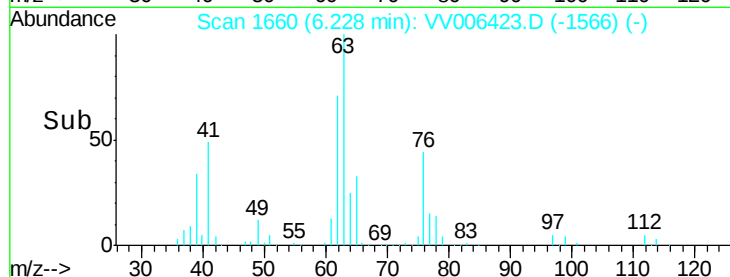
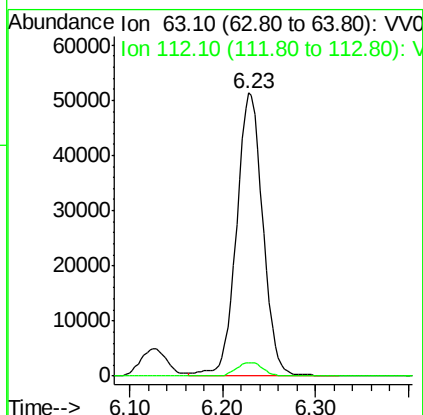
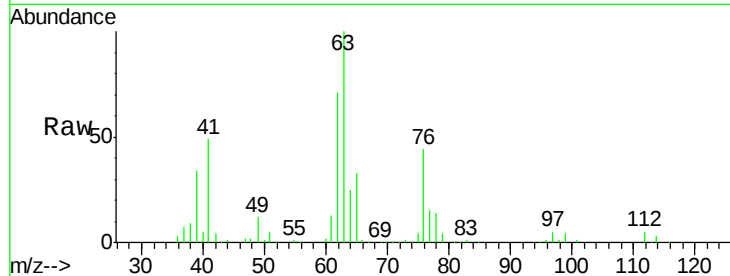




#37
 1,2-Dichloropropane
 Concen: 5.932 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

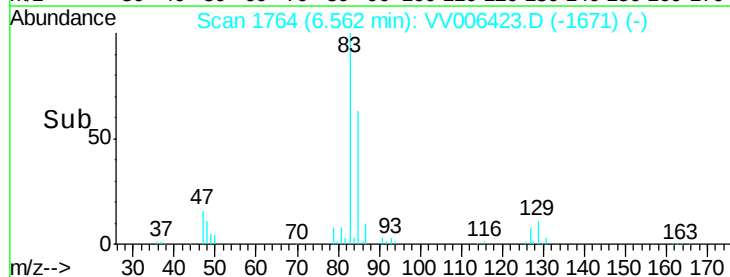
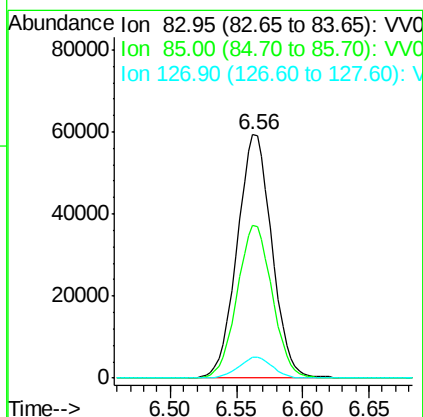
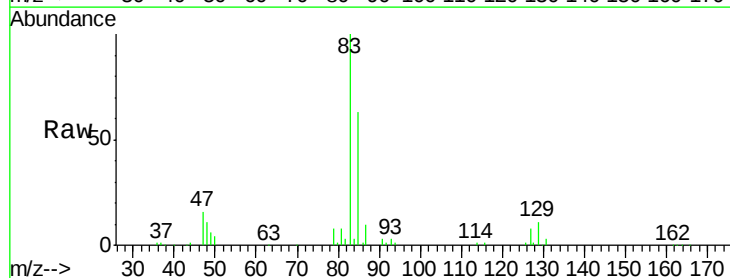
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

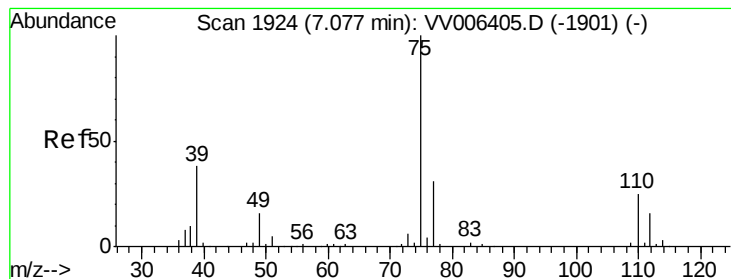
Tgt Ion: 63 Resp: 101075
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.757 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion: 83 Resp: 107937
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.9 83.5
 127 8.4 7.0 10.4



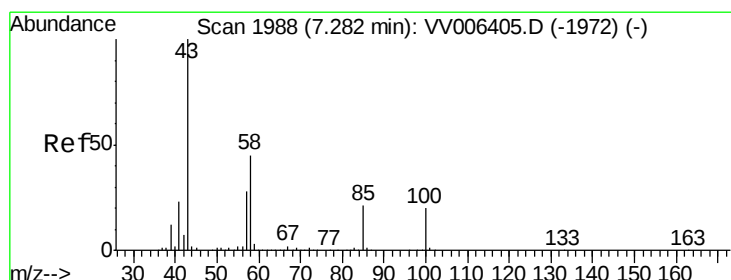
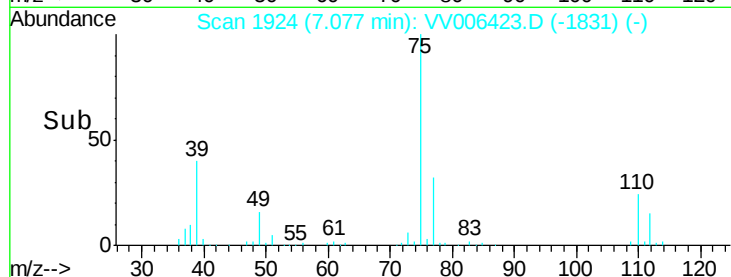
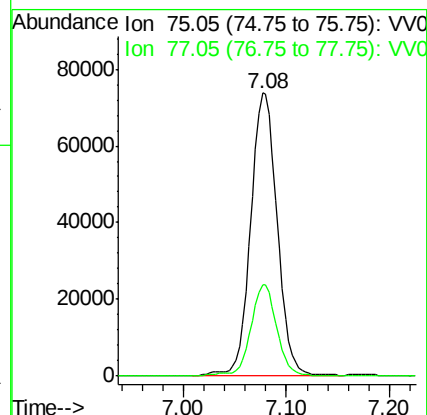
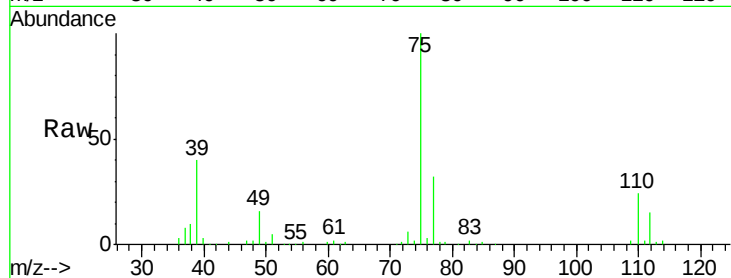


#39

cis-1,3-Dichloropropene
 Concen: 4.759 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

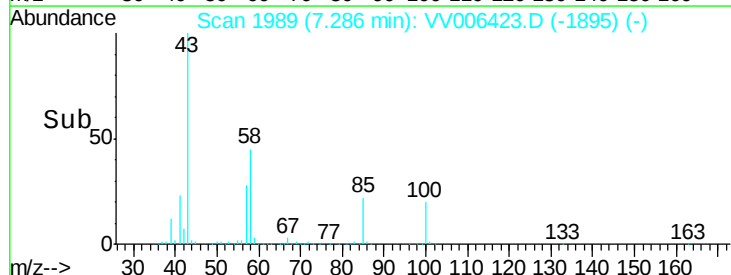
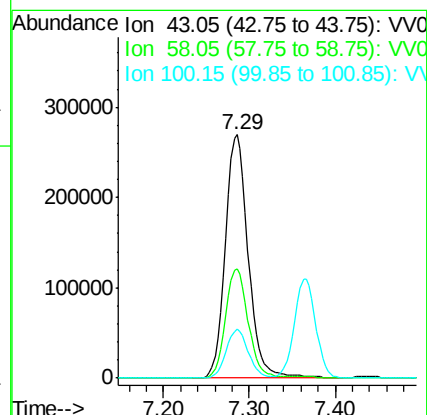
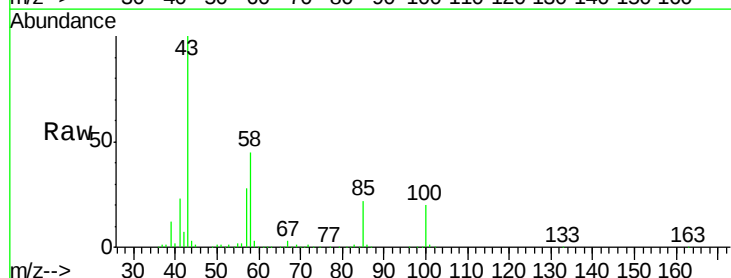
Tgt Ion: 75 Resp: 132165
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.7

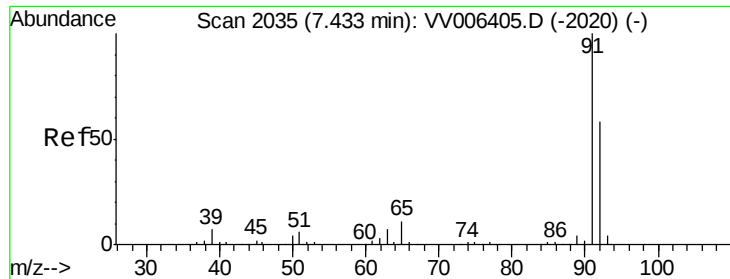


#40

4-Methyl-2-pentanone
 Concen: 56.711 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion: 43 Resp: 499804
 Ion Ratio Lower Upper
 43 100
 58 44.5 36.0 54.0
 100 19.4 15.4 23.2





#42

Toluene

Concen: 5.544 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

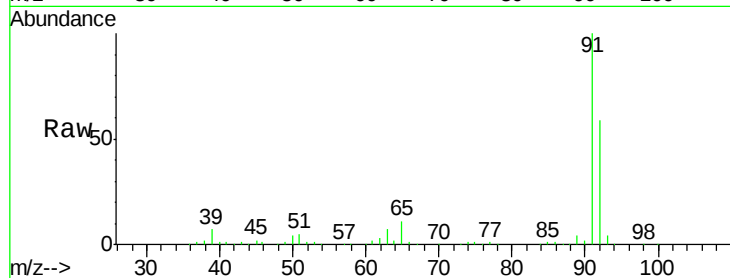
VSTD00579

Tgt Ion: 91 Resp: 435245

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

250000

200000

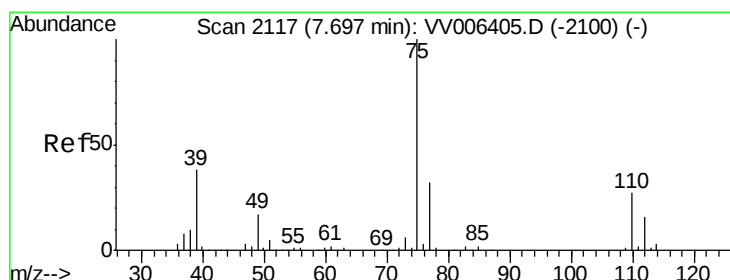
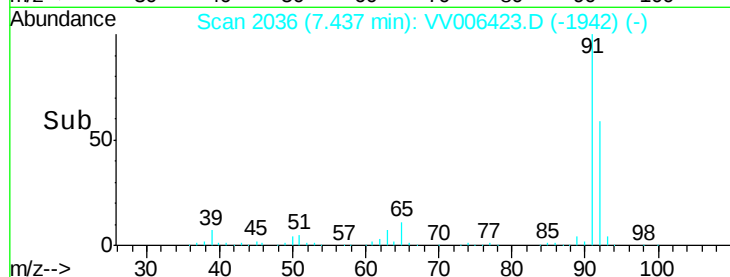
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.461 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006423.D

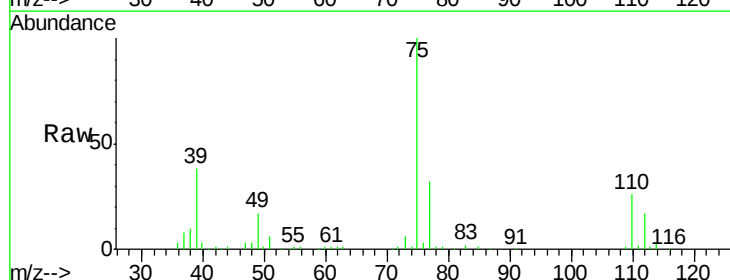
Acq: 22 Jun 2018 19:59

Tgt Ion: 75 Resp: 100502

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

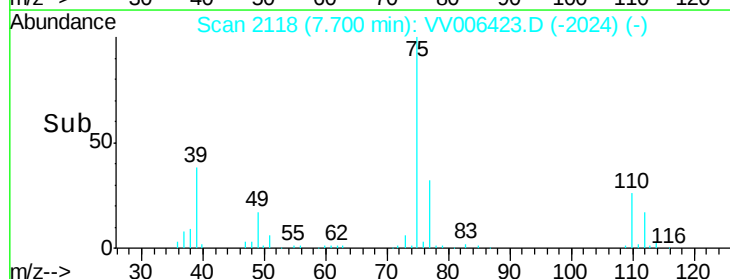
60000

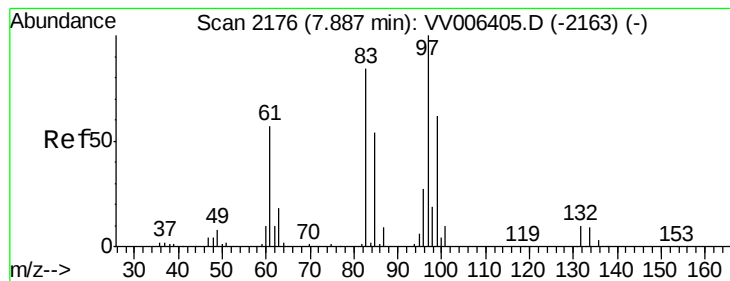
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.861 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

Tgt Ion: 97 Resp: 70684

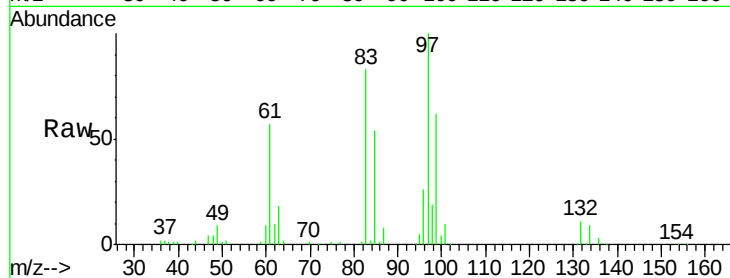
Ion Ratio Lower Upper

97 100

99 61.8 43.8 81.3

83 82.8 58.2 108.2

85 53.6 39.3 73.1

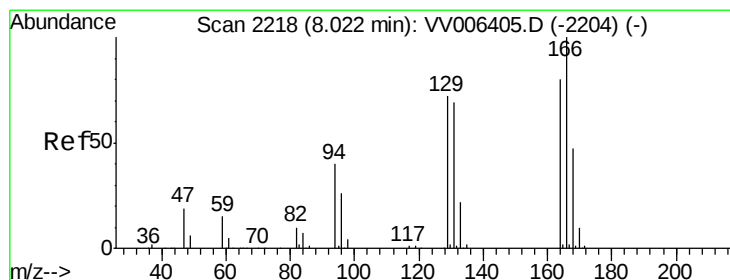
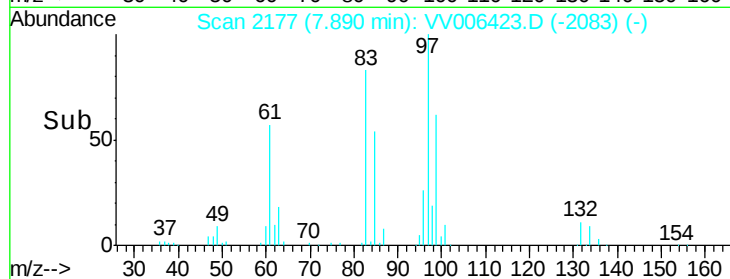
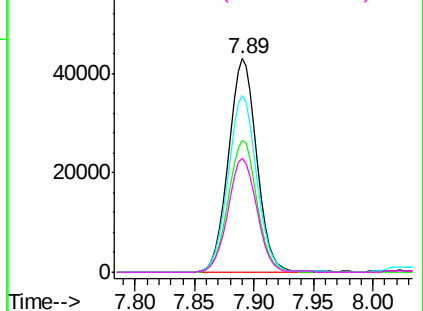


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.531 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Tgt Ion: 164 Resp: 85947

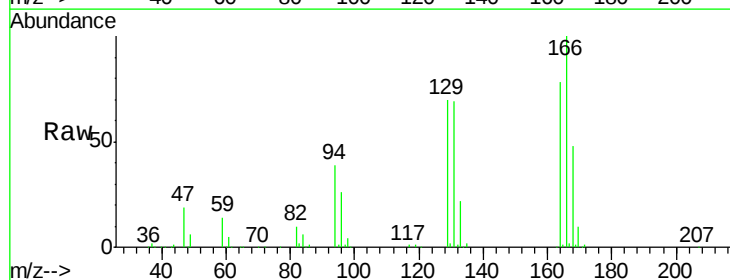
Ion Ratio Lower Upper

164 100

129 89.7 62.7 116.5

131 88.1 61.0 113.2

166 127.4 89.5 166.3

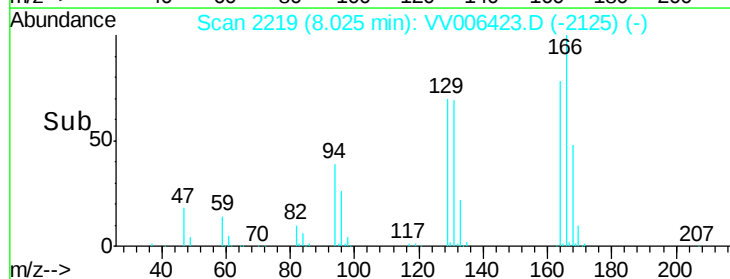
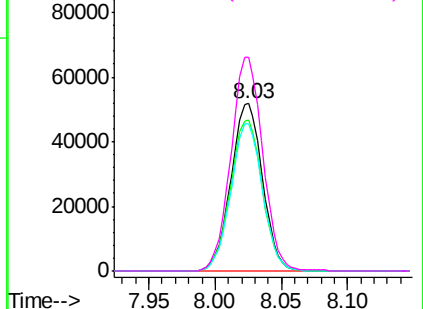


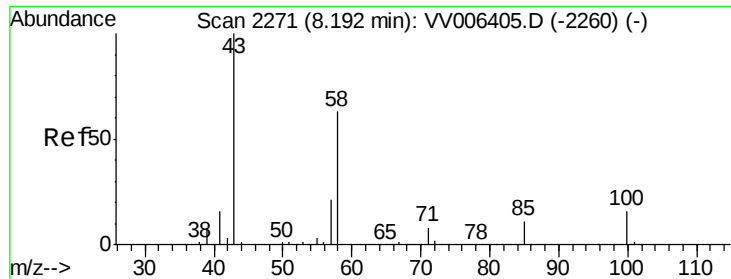
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

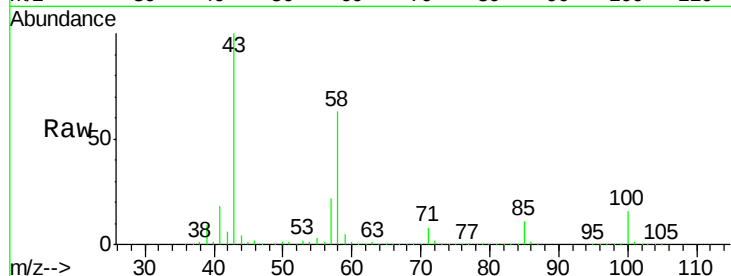




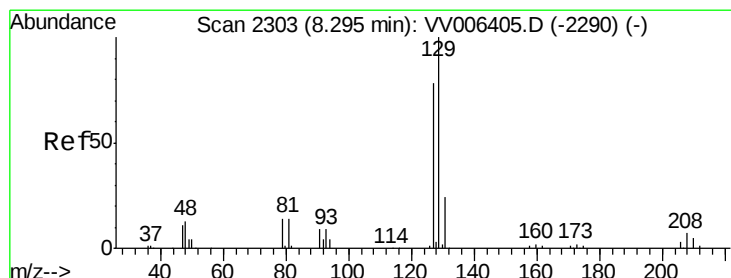
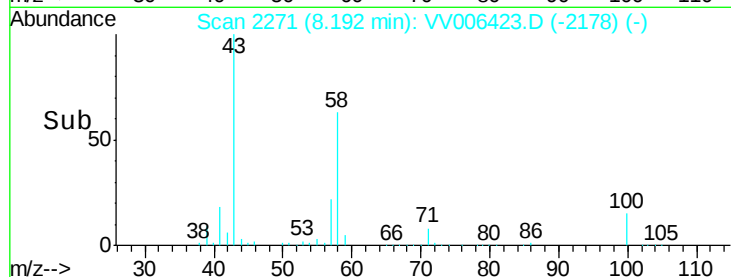
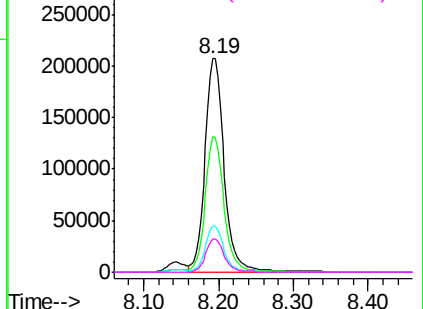
#48
2-Hexanone
Concen: 59.303 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006423.D
Acq: 22 Jun 2018 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tgt Ion:	43	Resp:	367325
Ion	Ratio	Lower	Upper
43	100		
58	62.4	48.6	72.8
57	21.5	17.5	26.3
100	15.2	12.6	18.8

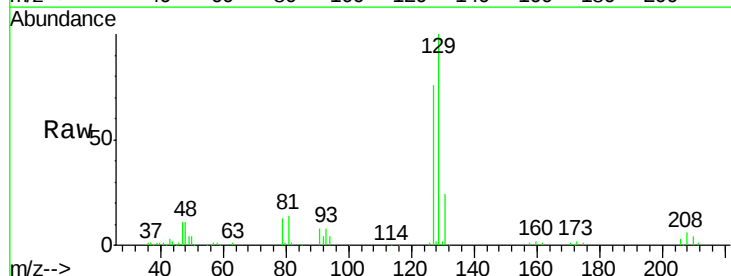


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

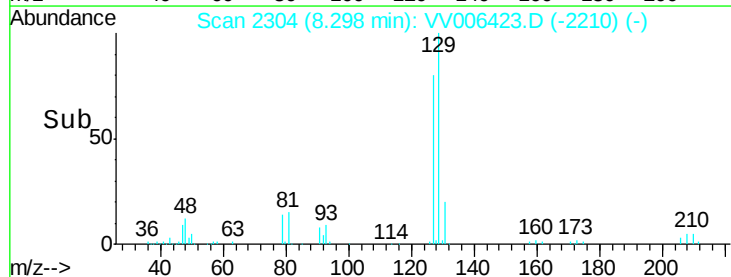
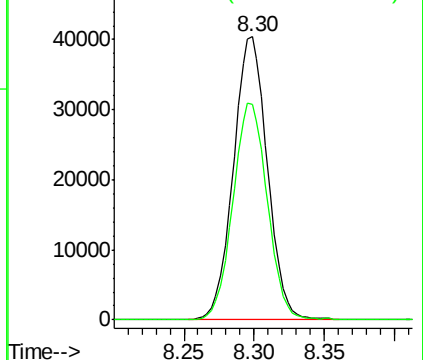


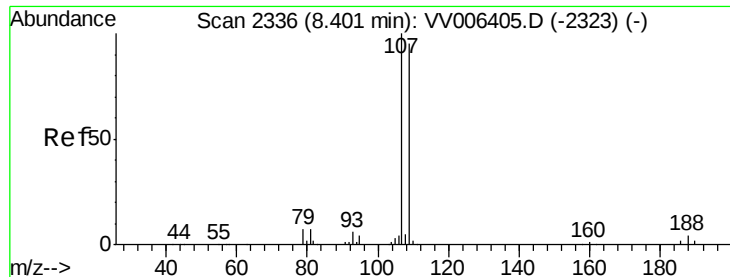
#49
Dibromochloromethane
Concen: 4.492 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006423.D
Acq: 22 Jun 2018 19:59

Tgt Ion:	129	Resp:	68205
Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.2	102.4



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

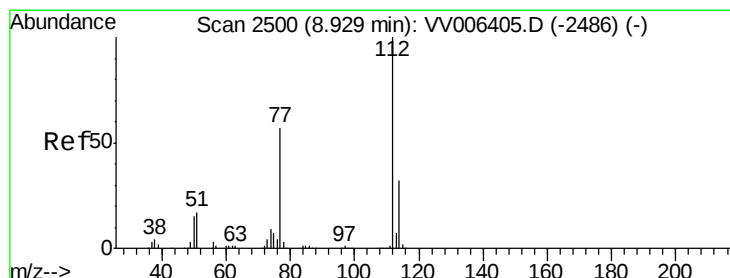
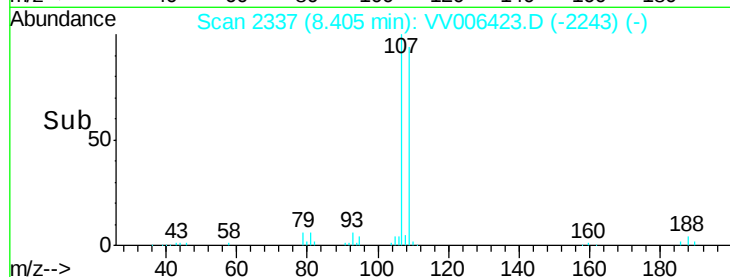
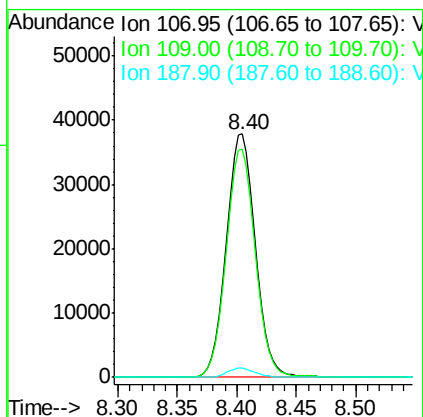
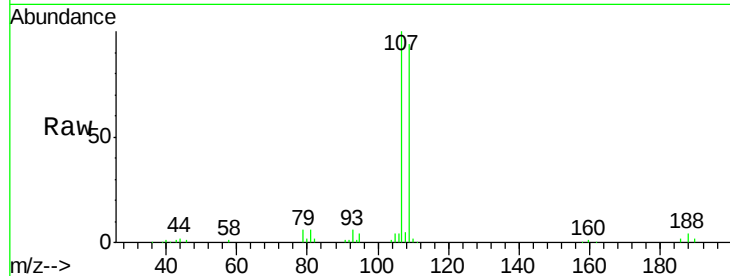




#50
 1,2-Dibromoethane
 Concen: 5.721 ug/L
 RT: 8.40 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

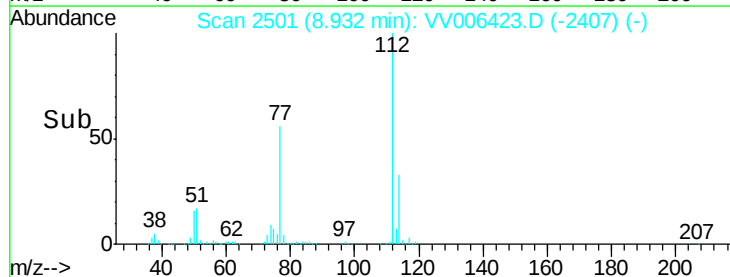
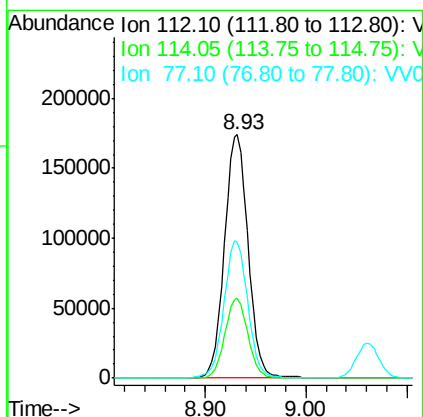
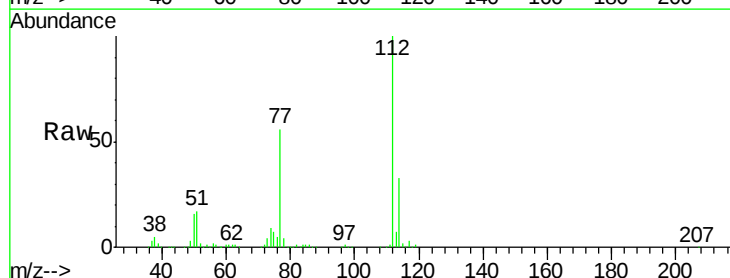
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

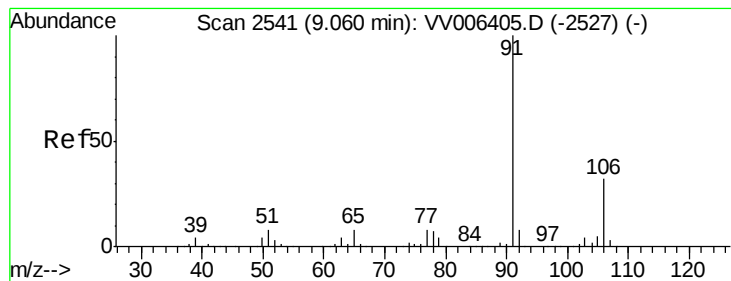
Tgt Ion:107 Resp: 64285
 Ion Ratio Lower Upper
 107 100
 109 93.5 66.8 124.2
 188 3.7 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.661 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion:112 Resp: 285361
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.2 41.2
 77 56.1 45.2 67.8





#52

Ethylbenzene

Concen: 5.318 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

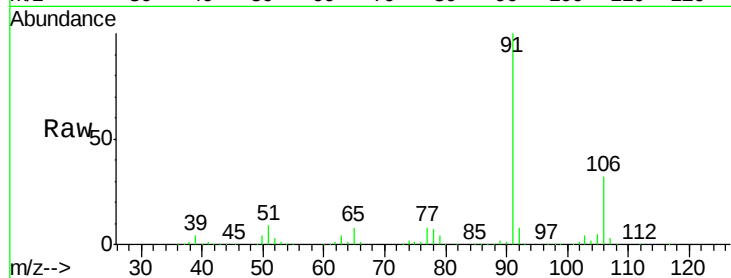
VSTD00579

Tgt Ion: 91 Resp: 465150

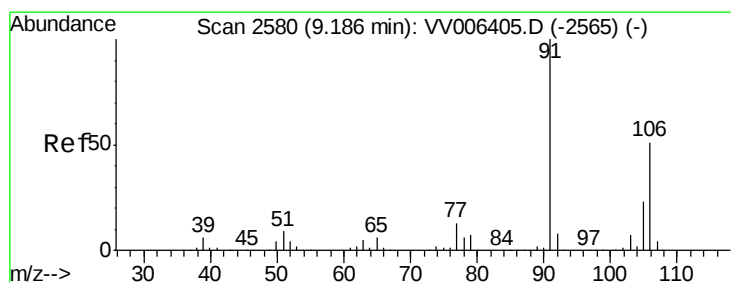
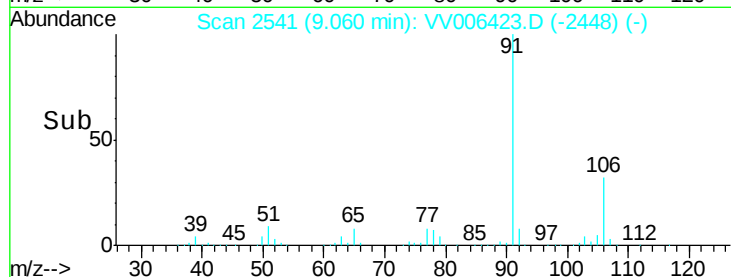
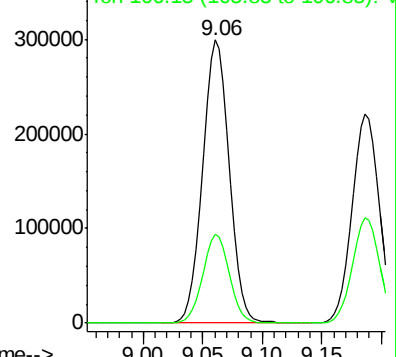
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006423.D (-2448) (-)



#53

m,p-xylene

Concen: 5.258 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006423.D

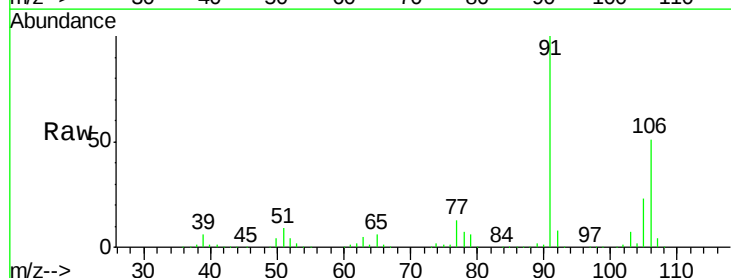
Acq: 22 Jun 2018 19:59

Tgt Ion: 106 Resp: 179436

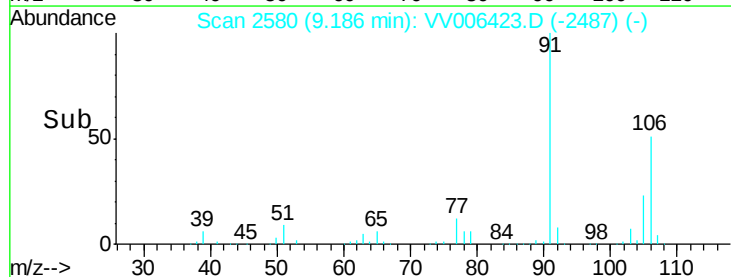
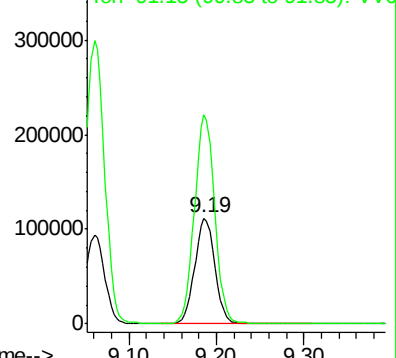
Ion Ratio Lower Upper

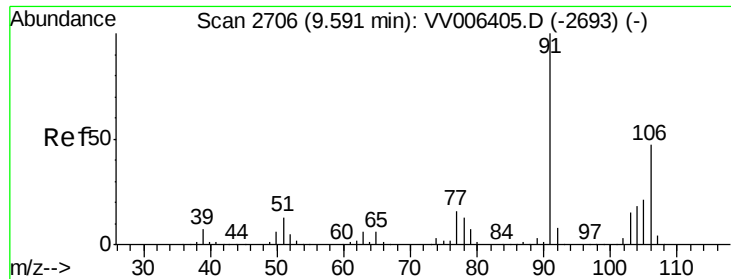
106 100

91 197.9 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006423.D (-2487) (-)

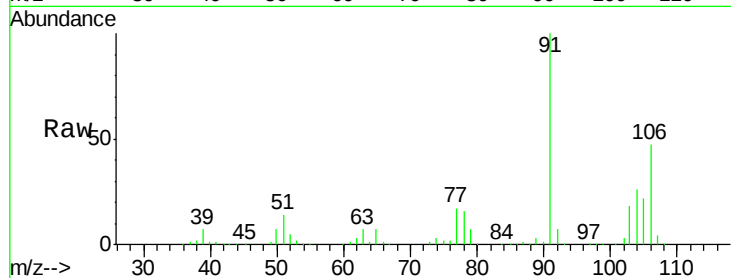




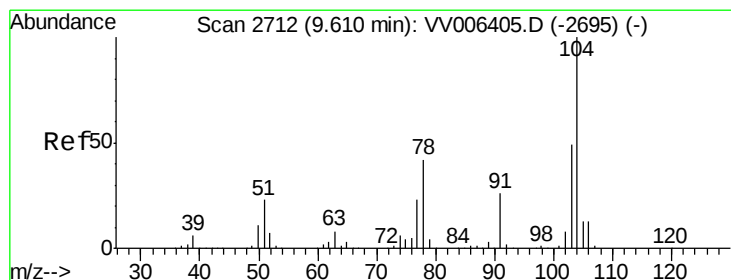
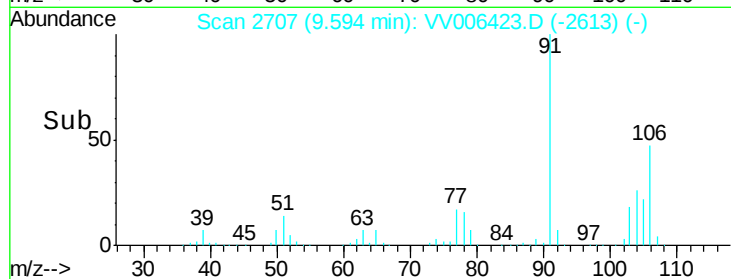
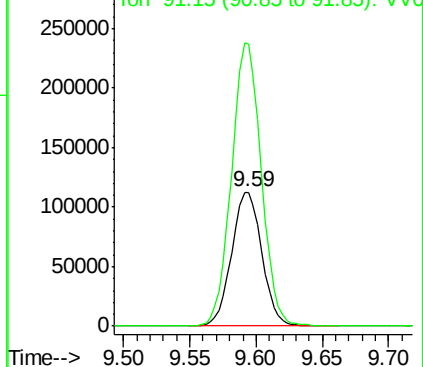
#54
o-xylene
Concen: 5.340 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006423.D
Acq: 22 Jun 2018 19:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tgt Ion:106 Resp: 178187
Ion Ratio Lower Upper
106 100
91 210.9 147.9 274.7

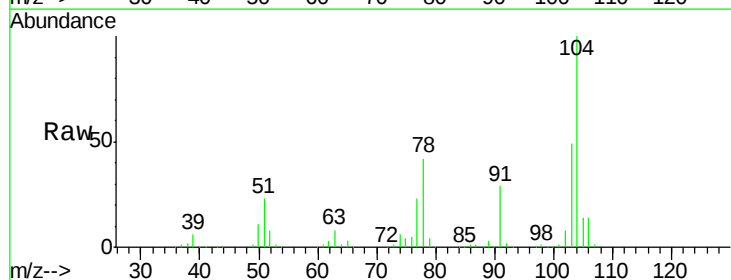


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

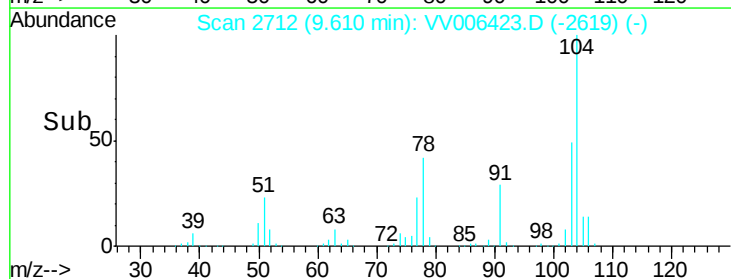
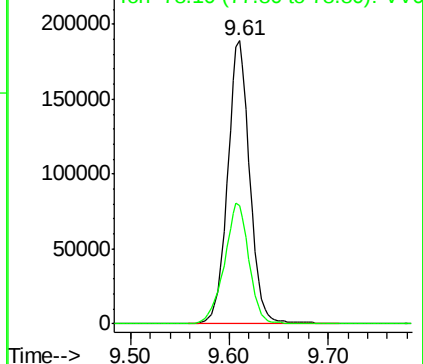


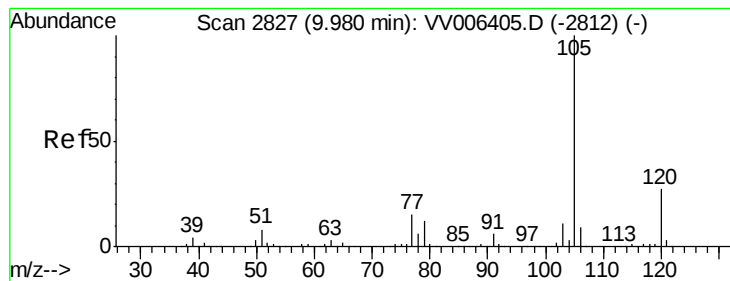
#55
Styrene
Concen: 5.418 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006423.D
Acq: 22 Jun 2018 19:59

Tgt Ion:104 Resp: 297391
Ion Ratio Lower Upper
104 100
78 41.9 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.163 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

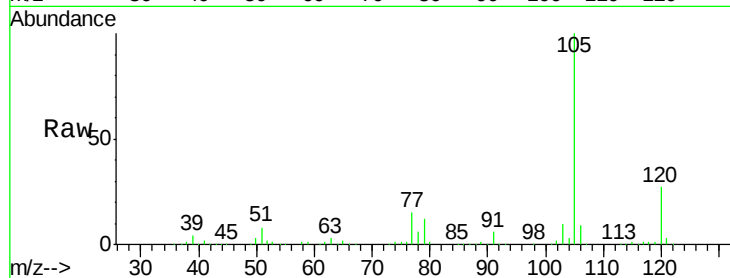
Tgt Ion: 105 Resp: 453668

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

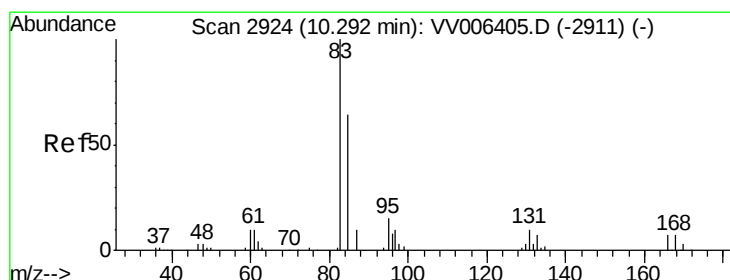
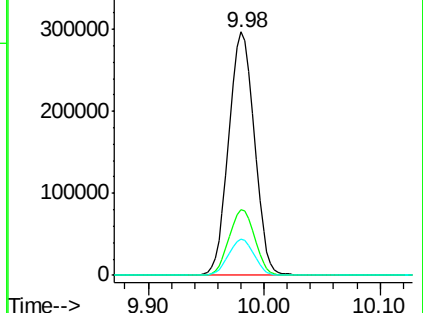
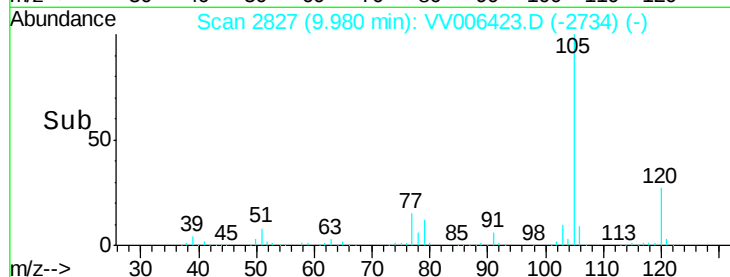
77 14.7 11.9 17.9



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: 4.844 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

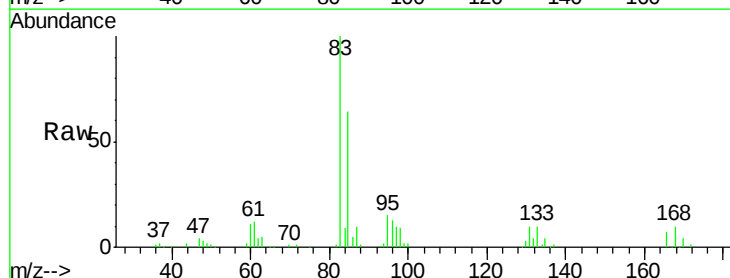
Tgt Ion: 83 Resp: 66915

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

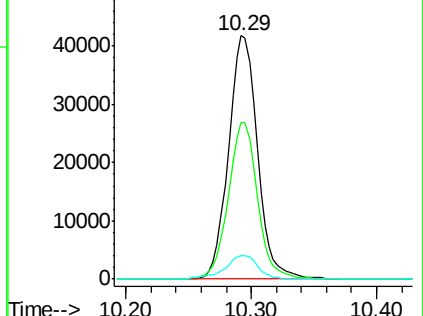
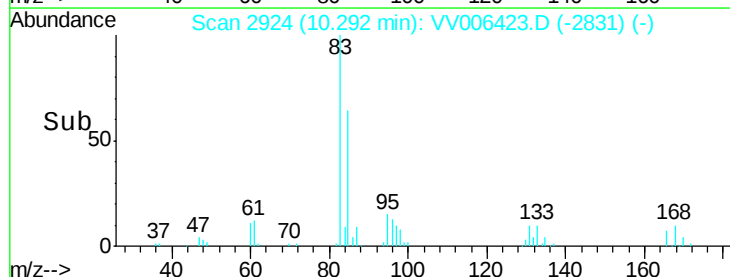
131 9.8 8.3 12.5

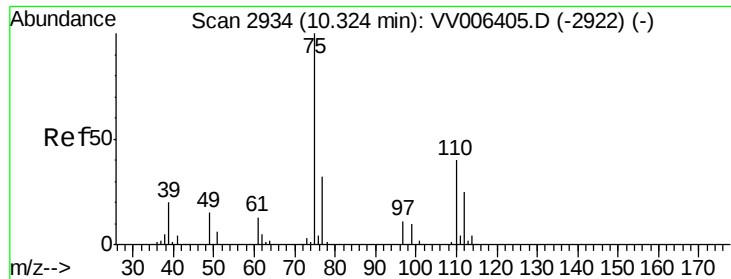


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.860 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

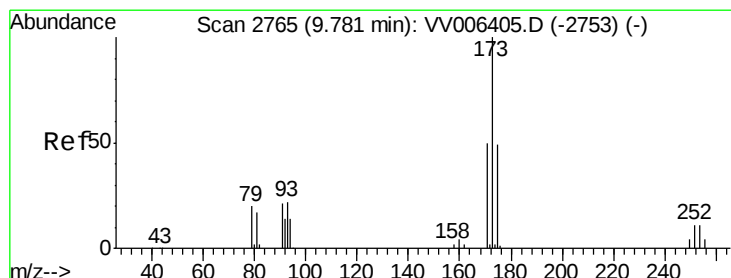
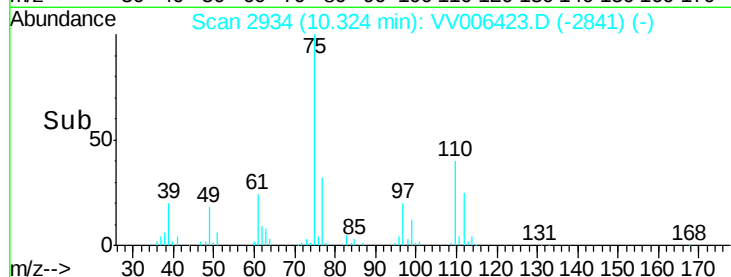
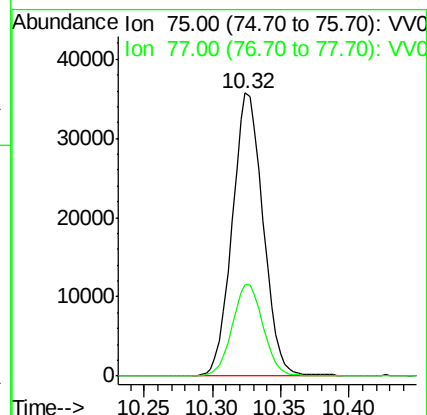
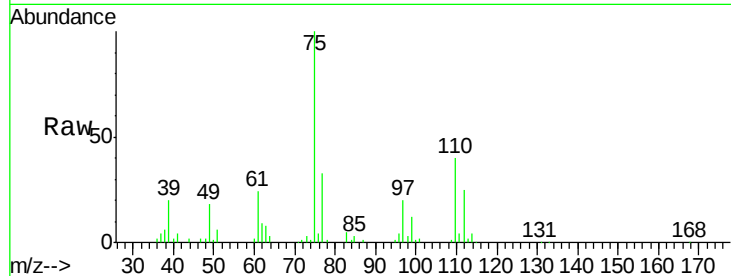
VSTD00579

Tgt Ion: 75 Resp: 56262

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 3.817 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

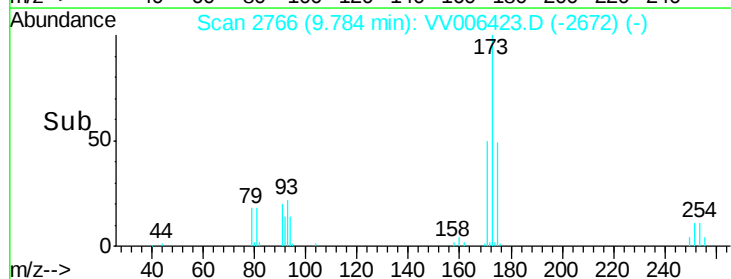
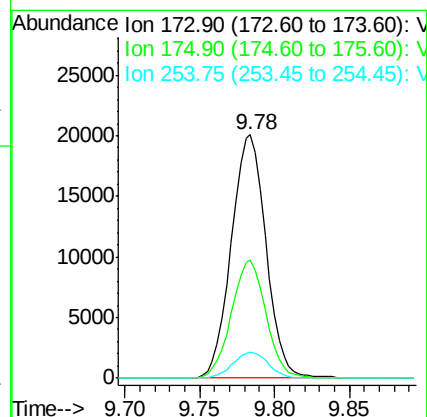
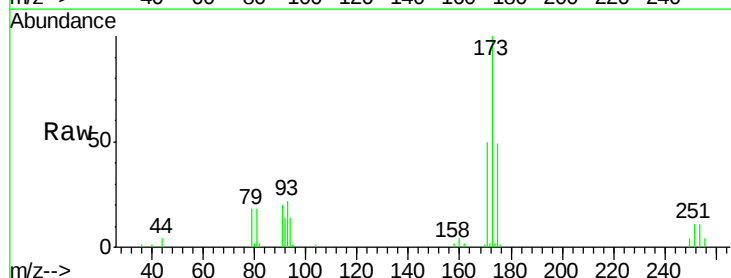
Tgt Ion: 173 Resp: 32446

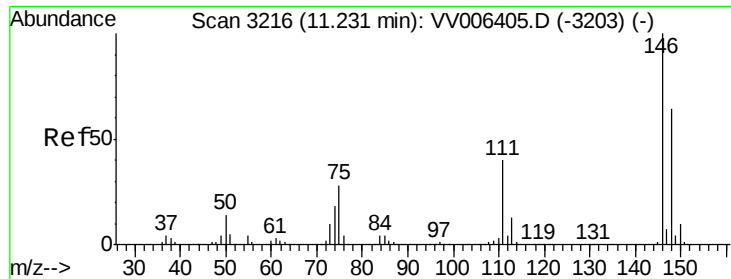
Ion Ratio Lower Upper

173 100

175 48.2 39.3 58.9

254 10.7 9.1 13.7

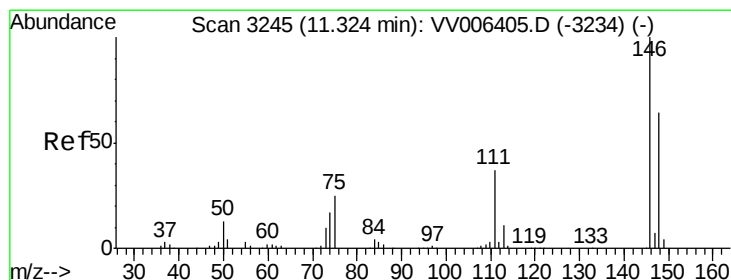
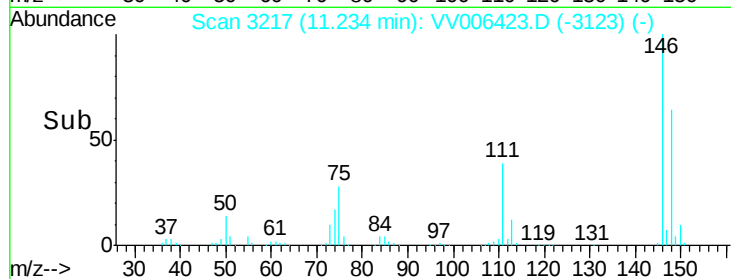
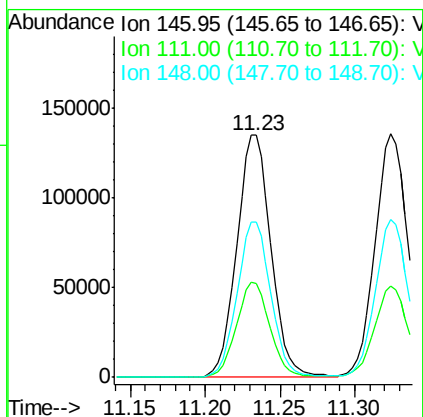
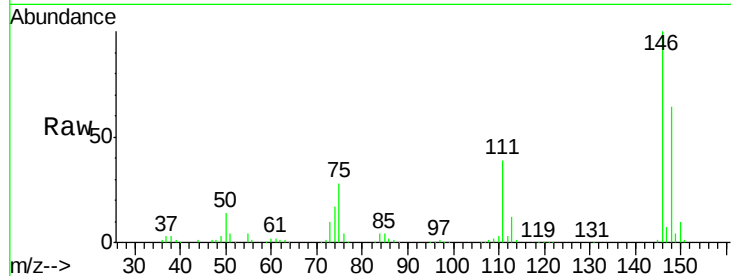




#62
 1,3-Dichlorobenzene
 Concen: 5.443 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

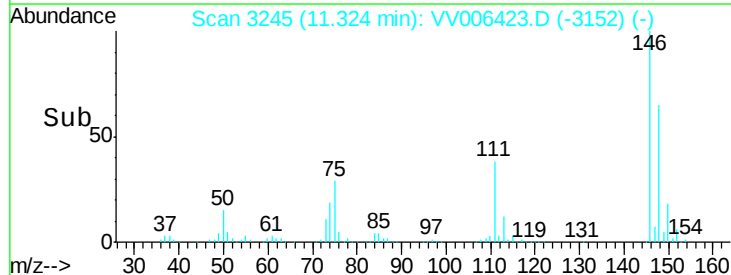
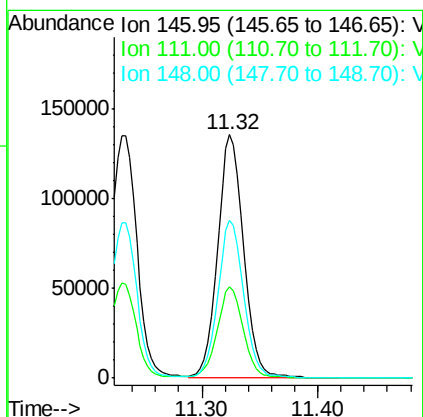
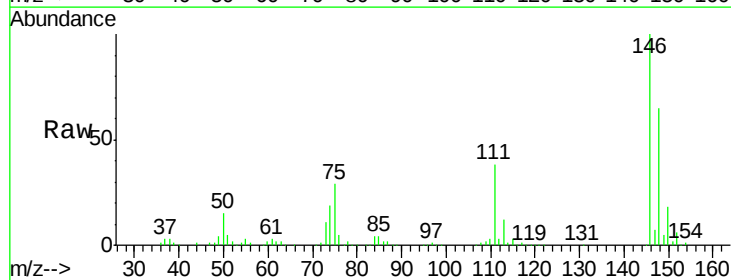
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

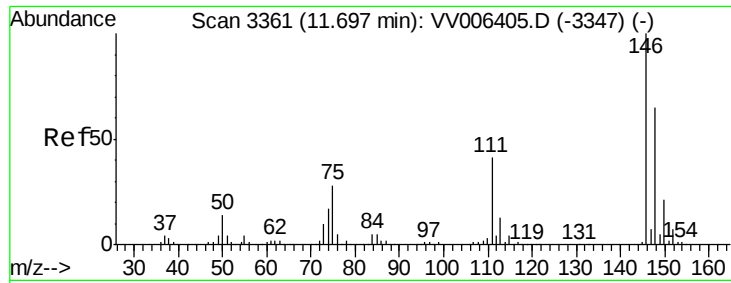
Tgt Ion:146 Resp: 214818
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.6 51.2
 148 64.3 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 5.453 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion:146 Resp: 212882
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.9 50.1
 148 64.9 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 5.635 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

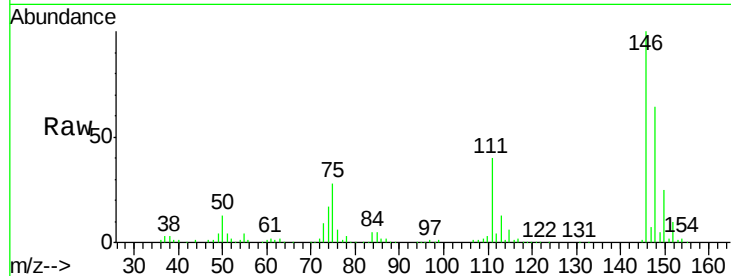
Tgt Ion:146 Resp: 205218

Ion Ratio Lower Upper

146 100

111 40.5 32.8 49.2

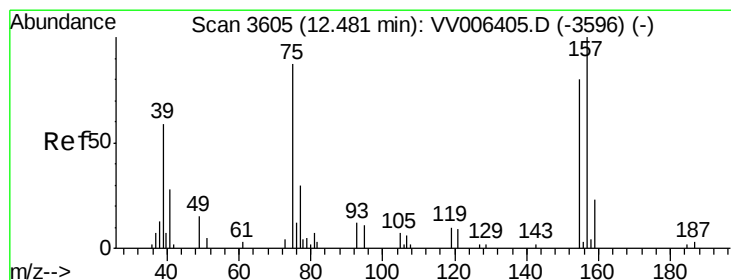
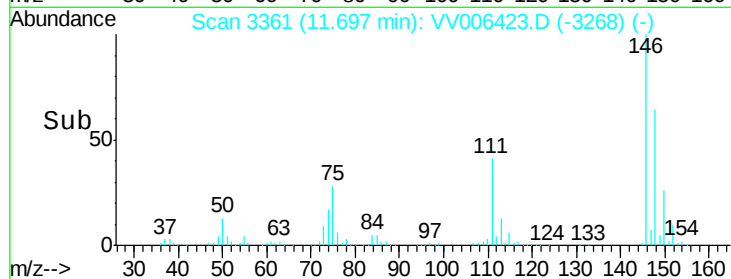
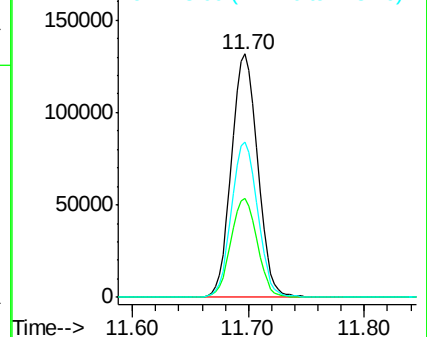
148 63.9 51.4 77.2



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: 3.081 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

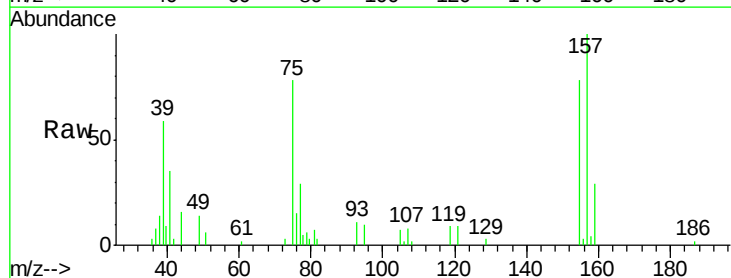
Tgt Ion: 75 Resp: 7373

Ion Ratio Lower Upper

75 100

155 99.9 70.3 105.5

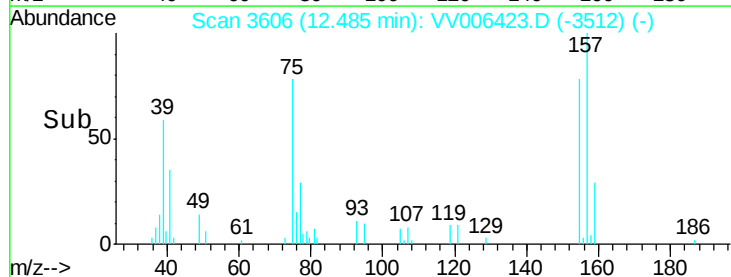
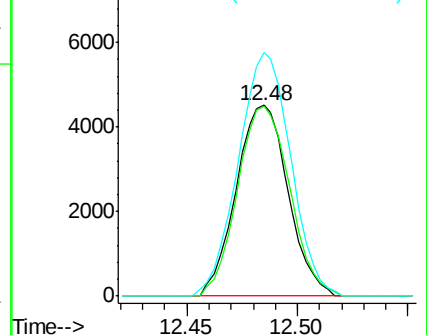
157 127.7 93.8 140.6

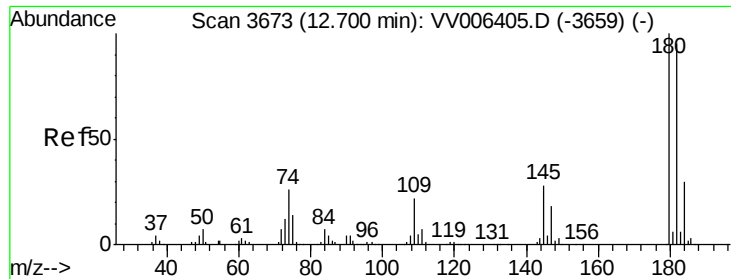


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

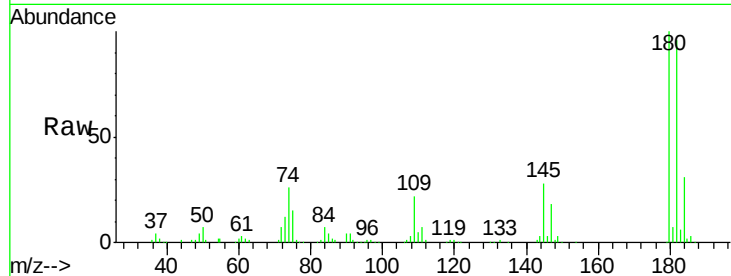




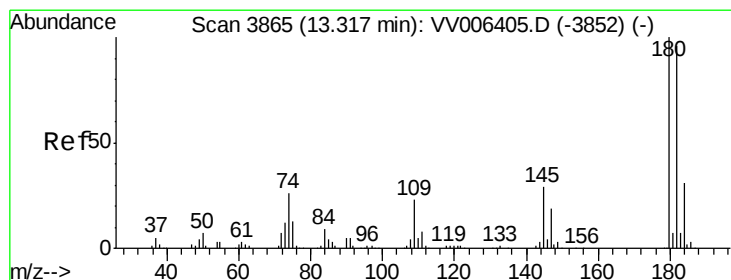
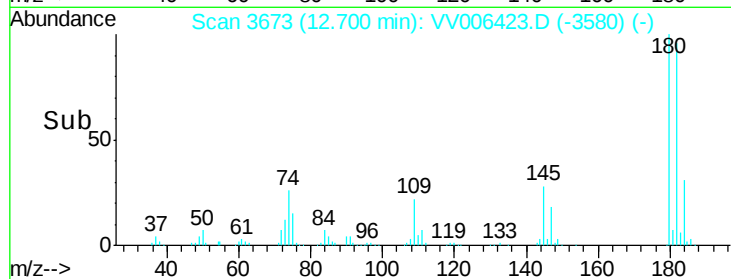
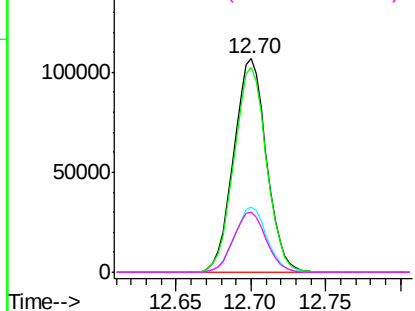
#67
 1,3,5-Trichlorobenzene
 Concen: 5.335 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tgt Ion:180 Resp: 162075
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.2
 184 30.2 24.3 36.5
 145 28.3 23.1 34.7

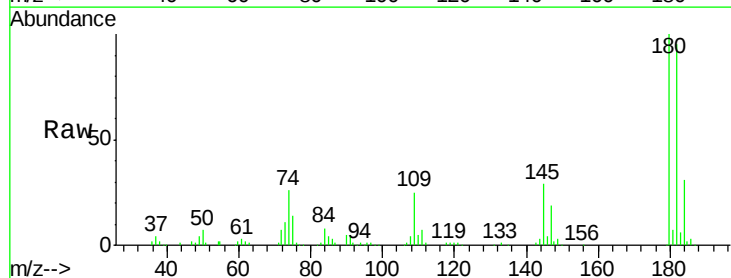


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

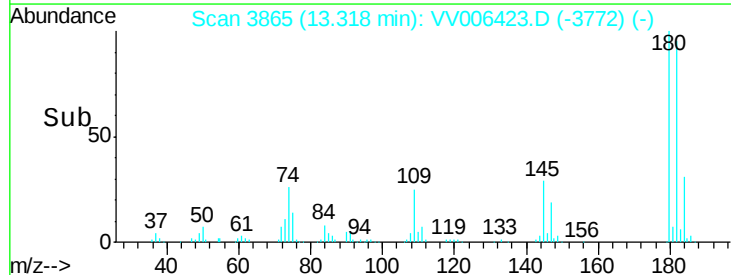
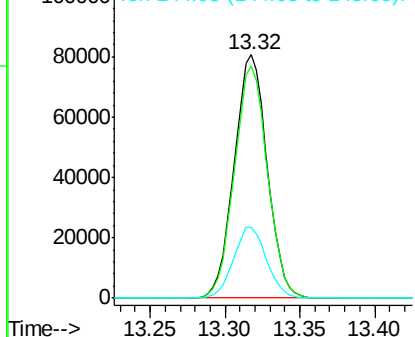


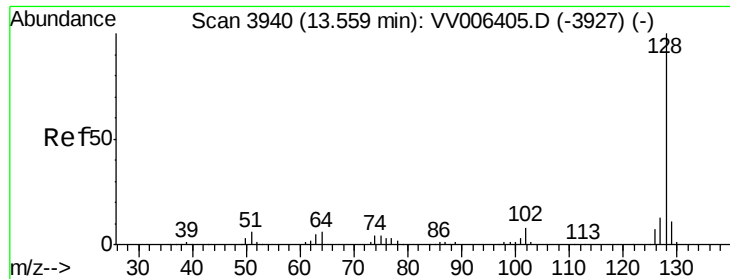
#68
 1,2,4-trichlorobenzene
 Concen: 5.270 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006423.D
 Acq: 22 Jun 2018 19:59

Tgt Ion:180 Resp: 123784
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 145 29.2 23.7 35.5



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: 4.737 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

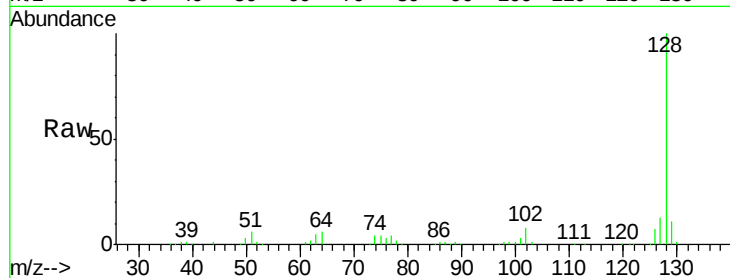
Tgt Ion:128 Resp: 187203

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

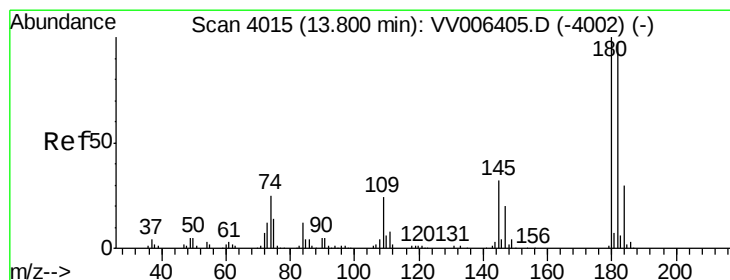
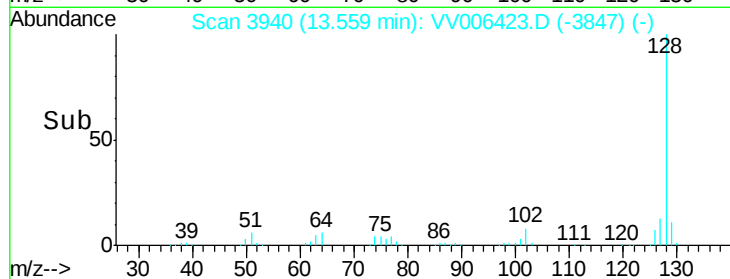
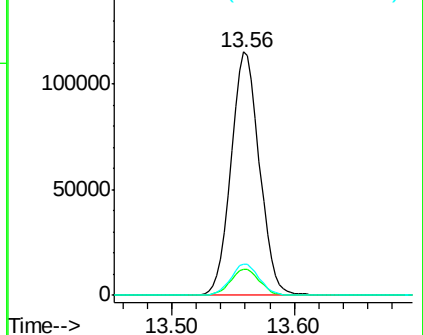
127 12.9 10.1 15.1



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: 5.471 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006423.D

Acq: 22 Jun 2018 19:59

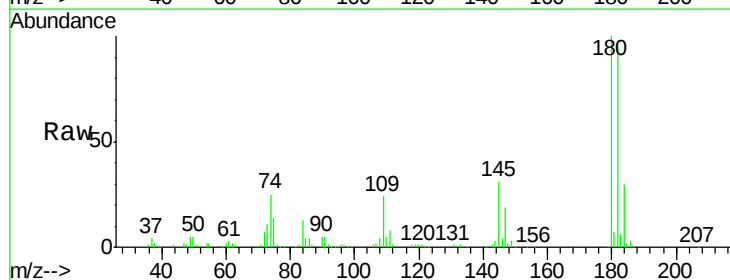
Tgt Ion:180 Resp: 118068

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 30.7 25.0 37.4



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

