

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102518\
 Data File : VV008420.D
 Acq On : 25 Oct 2018 19:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Oct 25 23:21:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 23:17:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	205348	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	189892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	87233	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55134	48.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.98%
7) Chloroethane-d5	1.57	69	39898	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	97872	47.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.32%
21) 2-Butanone-d5	3.94	46	110461	89.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.39%
24) Chloroform-d	4.41	84	128544	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	5.09	65	85330	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.10	84	258061	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
36) 1,2-Dichloropropane-d6	6.12	67	86756	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.38%
41) Toluene-d8	7.36	98	237295	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.67	79	42139	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.36%
47) 2-Hexanone-d5	8.14	63	86107	87.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.79%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115087	45.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.48%
64) 1,2-Dichlorobenzene-d4	11.68	152	83152	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	71362	48.667 ug/L	99
3) Chloromethane	1.25	50	77332	49.232 ug/L	98
5) Vinyl chloride	1.33	62	70029	48.115 ug/L	98
6) Bromomethane	1.52	94	19056	47.718 ug/L	98
8) Chloroethane	1.59	64	38837	50.792 ug/L	94
9) Trichlorofluoromethane	1.76	101	91793	49.005 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48189	49.244 ug/L	99
12) 1,1-Dichloroethene	2.14	96	44284	48.064 ug/L	91
13) Acetone	2.19	43	74493	77.679 ug/L	99
14) Carbon disulfide	2.32	76	198499	47.834 ug/L	100
15) Methyl Acetate	2.46	43	91663	47.931 ug/L	99
16) Methylene chloride	2.54	84	77534	48.588 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	67767	48.251 ug/L	100
18) Methyl tert-butyl Ether	2.81	73	251898	50.110 ug/L	99
19) 1,1-Dichloroethane	3.23	63	142341	49.141 ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	80221	50.136 ug/L	96
22) 2-Butanone	4.02	43	128092	92.456 ug/L	100

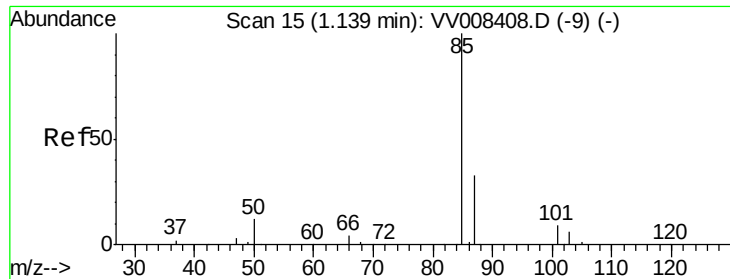
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	36385	48.217	ug/L	97
25) Chloroform	4.43	83	142001	50.218	ug/L	98
27) 1,2-Dichloroethane	5.18	62	114243	48.370	ug/L	100
29) Cyclohexane	4.73	56	134628	48.694	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	122381	49.697	ug/L	99
31) Carbon tetrachloride	4.88	117	103812	49.676	ug/L	100
33) Benzene	5.15	78	306196	49.329	ug/L	100
34) Trichloroethene	5.96	95	77728	48.911	ug/L	99
35) Methylcyclohexane	6.18	83	131748	48.763	ug/L	99
37) 1,2-Dichloropropane	6.23	63	85029	49.600	ug/L	99
38) Bromodichloromethane	6.56	83	107448	49.187	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	133889	49.678	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	244283	96.228	ug/L	100
42) Toluene	7.43	91	320842	49.762	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	126426	50.141	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	74281	49.007	ug/L	100
46) Tetrachloroethene	8.02	164	53102	51.257	ug/L	99
48) 2-Hexanone	8.19	43	194167	99.123	ug/L	96
49) Dibromochloromethane	8.29	129	82215	50.474	ug/L	100
50) 1,2-Dibromoethane	8.40	107	78920	49.633	ug/L	100
51) Chlorobenzene	8.93	112	199400	50.226	ug/L	100
52) Ethylbenzene	9.06	91	365128	50.555	ug/L	99
53) m,p-Xylene	9.18	106	132818	50.336	ug/L	99
54) o-xylene	9.59	106	133054	50.498	ug/L	100
55) Styrene	9.61	104	222549	50.129	ug/L	100
56) Isopropylbenzene	9.98	105	349523	50.700	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	129968	48.959	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	105627	49.165	ug/L	99
61) Bromoform	9.78	173	55093	50.052	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	144135	49.976	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	142226	49.203	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	147165	50.038	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	29003	47.968	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	96008	50.980	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	75733	49.706	ug/L	100
69) Naphthalene	13.56	128	226884	46.050	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	76116	49.987	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.667 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008420.D

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Instrument :

MSVOA_V

ClientSampleId :

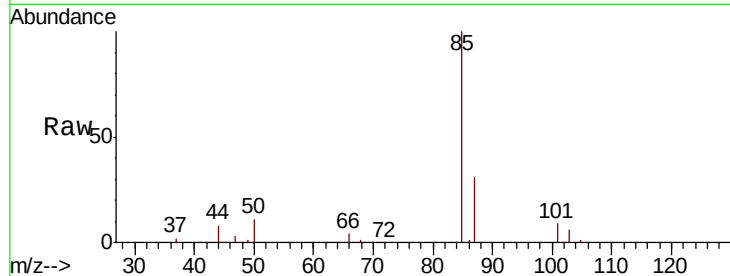
VSTD05078

Tgt Ion: 85 Resp: 71362

Ion Ratio Lower Upper

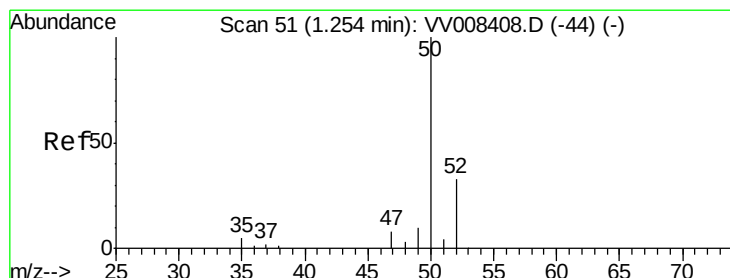
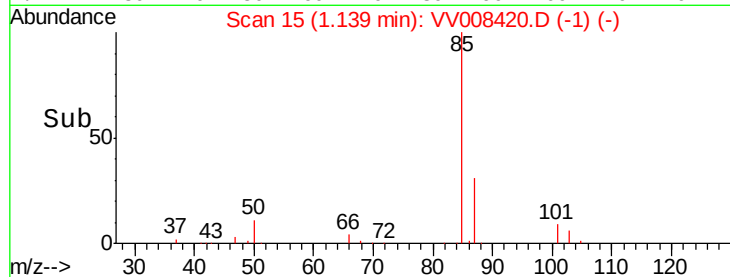
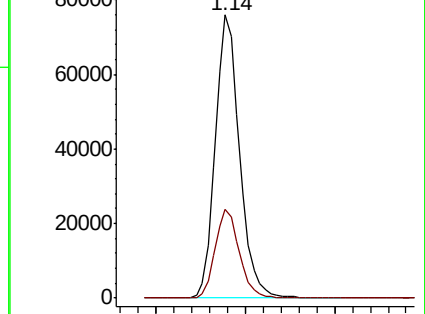
85 100

87 31.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008420.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008420.D (-1) (-)



#3

Chloromethane

Concen: 49.232 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008420.D

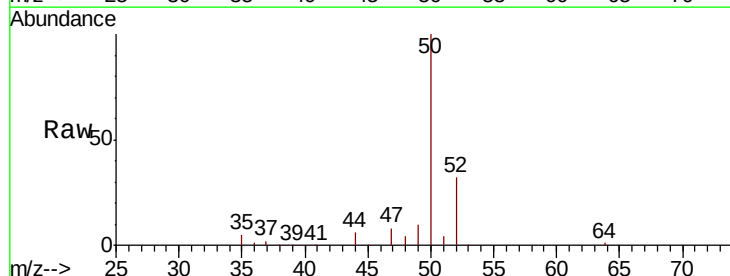
Acq: 25 Oct 2018 19:50

Tgt Ion: 50 Resp: 77332

Ion Ratio Lower Upper

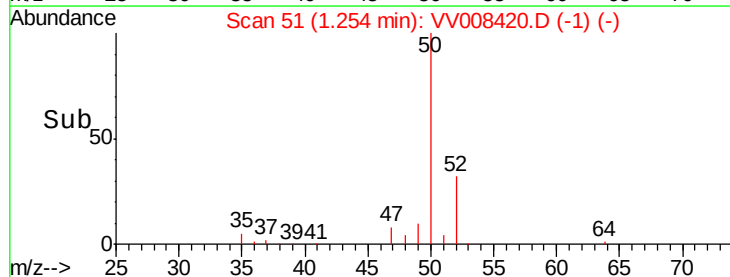
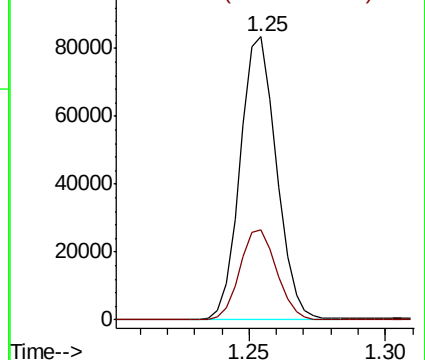
50 100

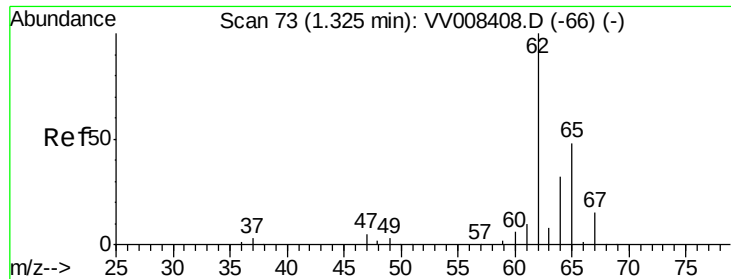
52 31.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008420.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV008420.D (-1) (-)





#5

Vinyl chloride

Concen: 48.115 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

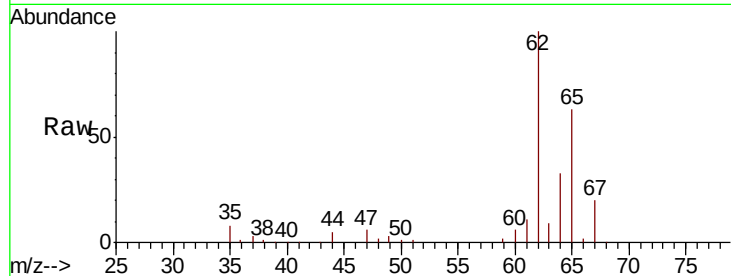
VSTD05078

Tgt Ion: 62 Resp: 70029

Ion Ratio Lower Upper

62 100

64 33.5 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008420.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008420.D (-66) (-)

1.33

80000

60000

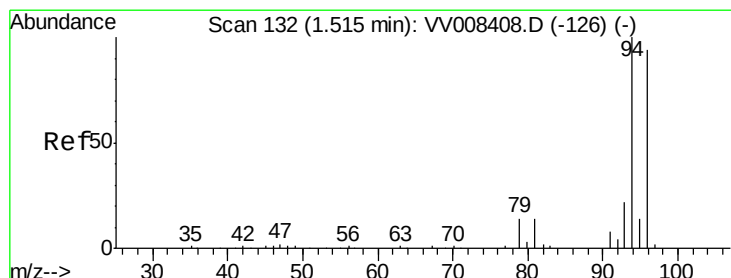
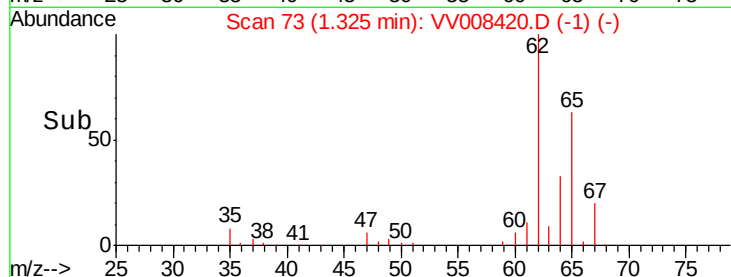
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 47.718 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008420.D

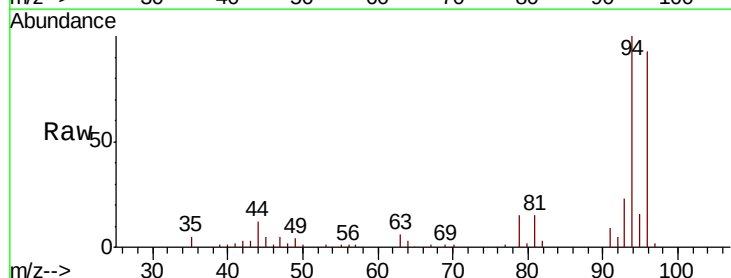
Acq: 25 Oct 2018 19:50

Tgt Ion: 94 Resp: 19056

Ion Ratio Lower Upper

94 100

96 93.3 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008420.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008420.D (-126) (-)

1.52

25000

20000

15000

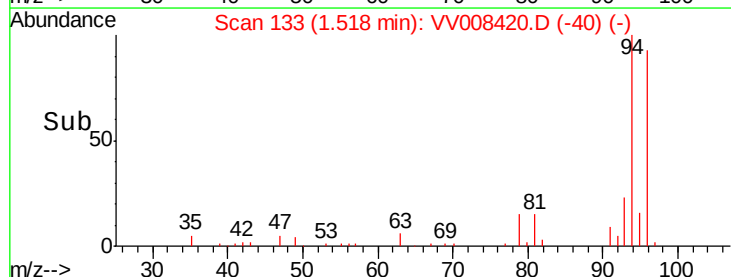
10000

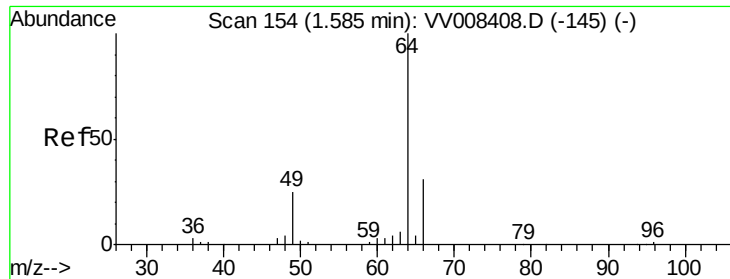
5000

0

1.48 1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 50.792 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

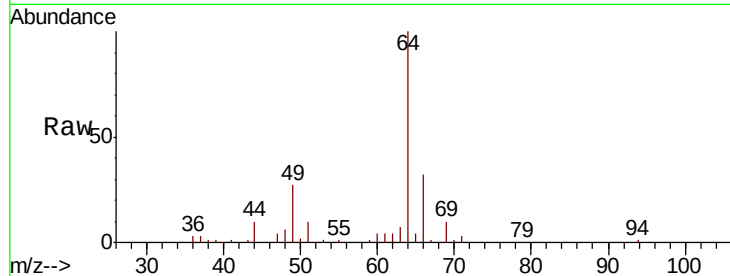
VSTD05078

Tgt Ion: 64 Resp: 38837

Ion Ratio Lower Upper

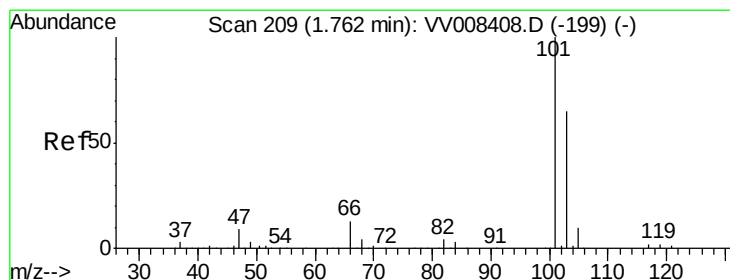
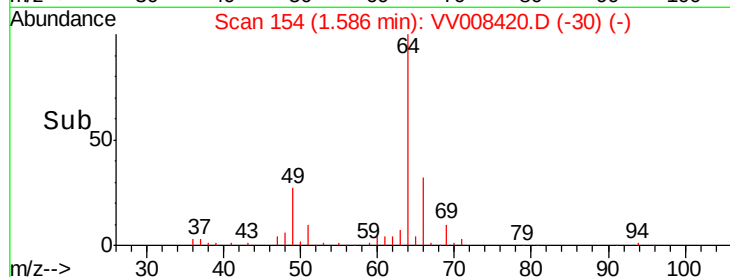
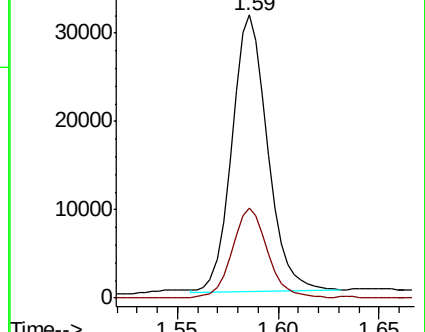
64 100

66 31.8 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008420.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008420.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 49.005 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008420.D

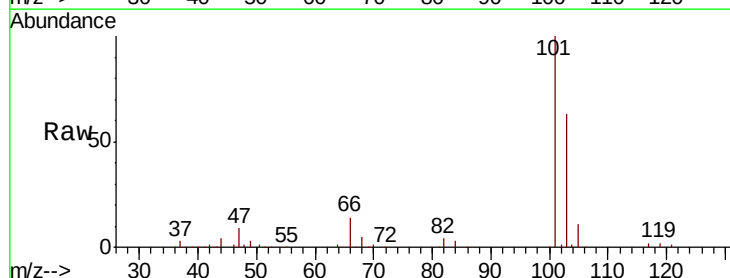
Acq: 25 Oct 2018 19:50

Tgt Ion: 101 Resp: 91793

Ion Ratio Lower Upper

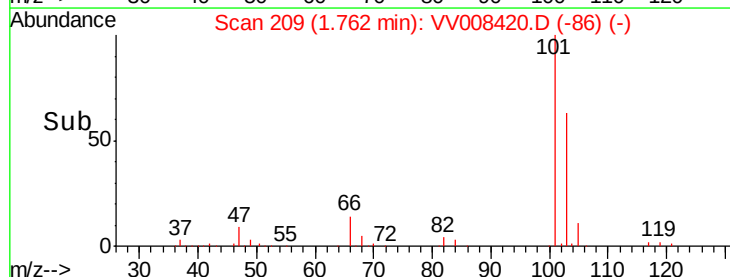
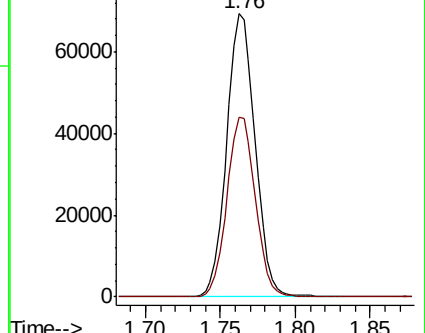
101 100

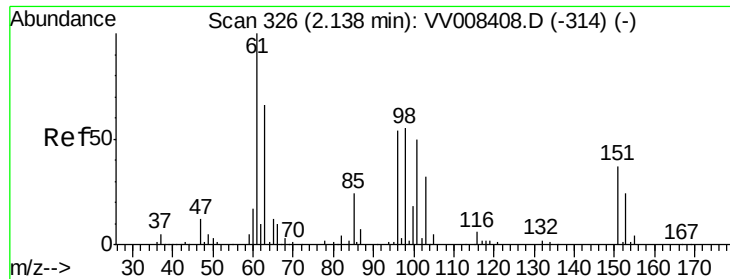
103 63.3 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008420.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008420.D (-199) (-)





#10

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

Concen: 49.244 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

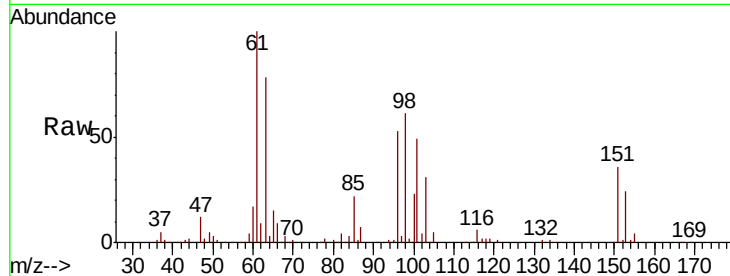
Tgt Ion: 101 Resp: 48189

Ion Ratio Lower Upper

101 100

85 45.7 35.6 53.4

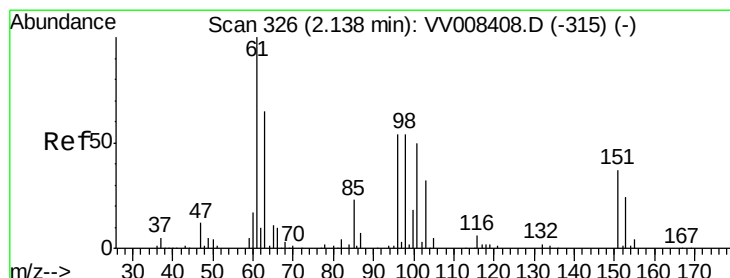
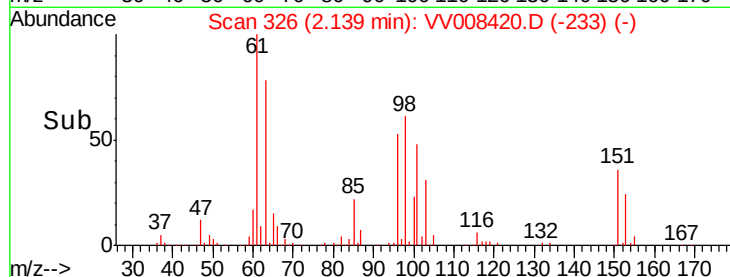
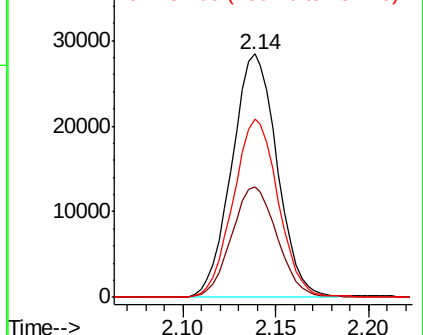
151 72.8 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.064 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

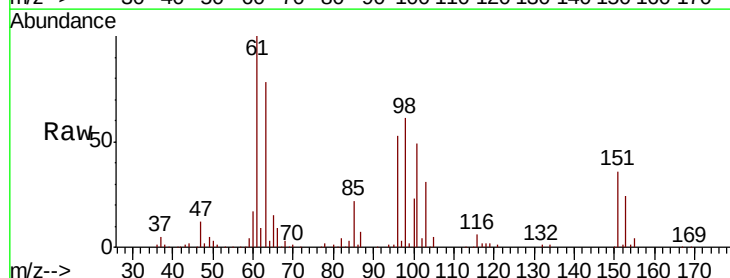
Tgt Ion: 96 Resp: 44284

Ion Ratio Lower Upper

96 100

61 187.3 130.3 242.1

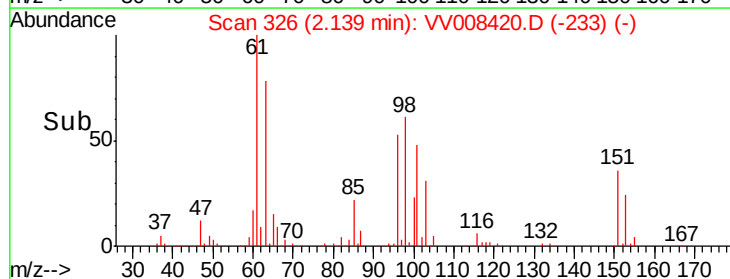
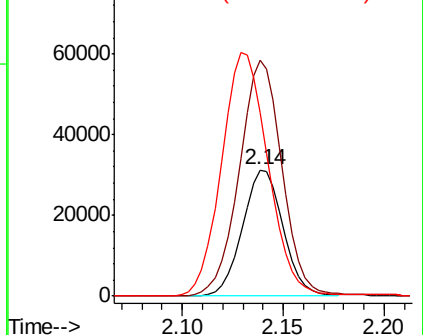
63 145.3 84.4 156.8

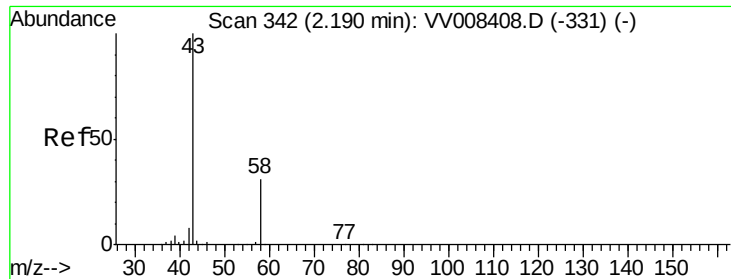


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 77.679 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

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MSVOA_V

ClientSampleId :

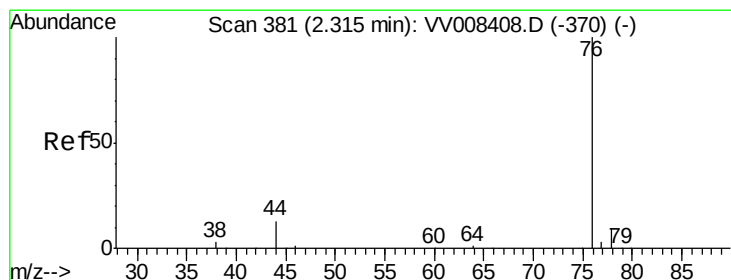
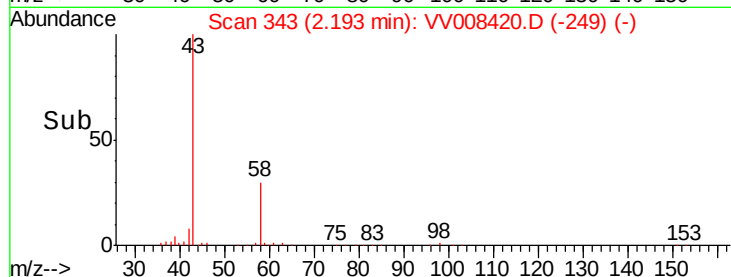
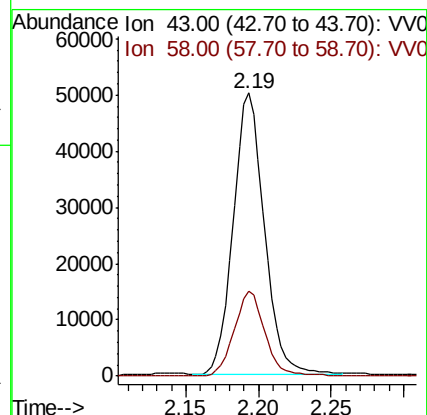
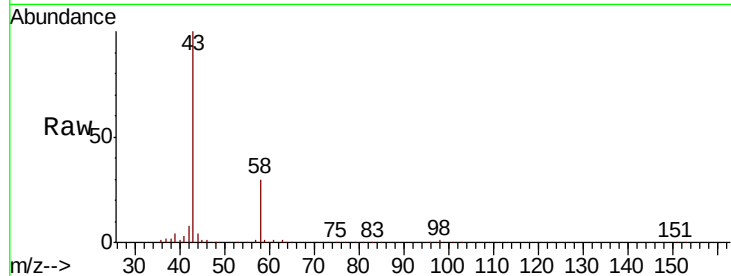
VSTD05078

Tgt Ion: 43 Resp: 74493

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.4



#14

Carbon disulfide

Concen: 47.834 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008420.D

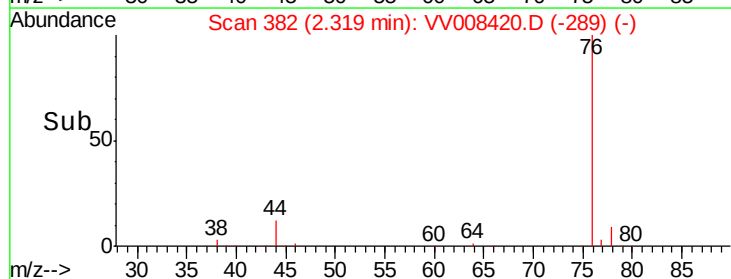
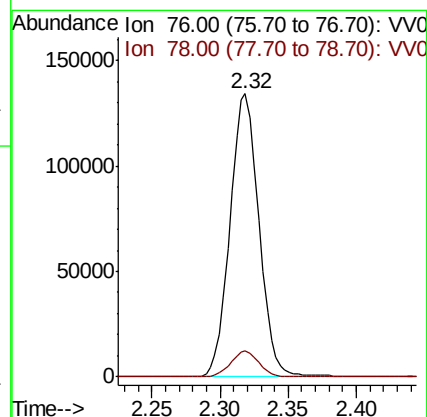
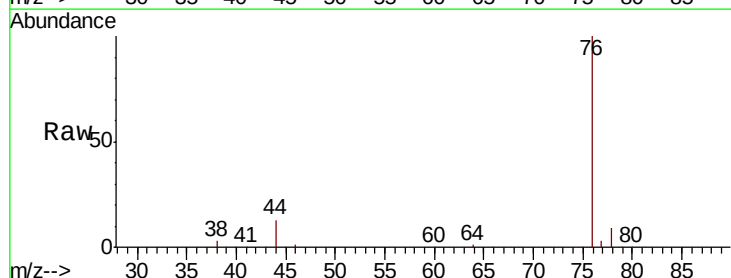
Acq: 25 Oct 2018 19:50

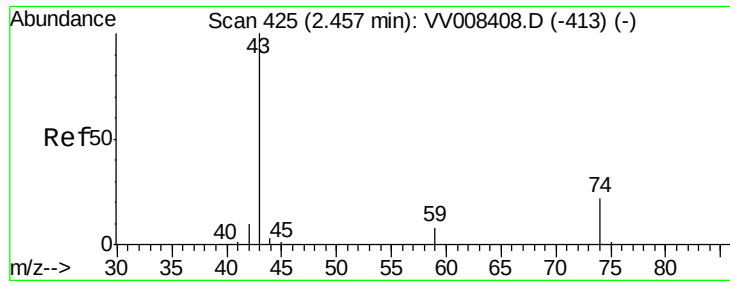
Tgt Ion: 76 Resp: 198499

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 47.931 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

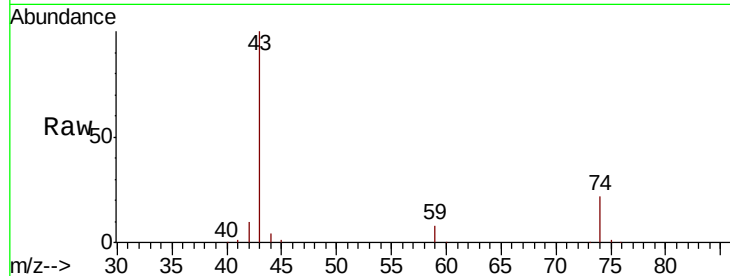
VSTD05078

Tgt Ion: 43 Resp: 91663

Ion Ratio Lower Upper

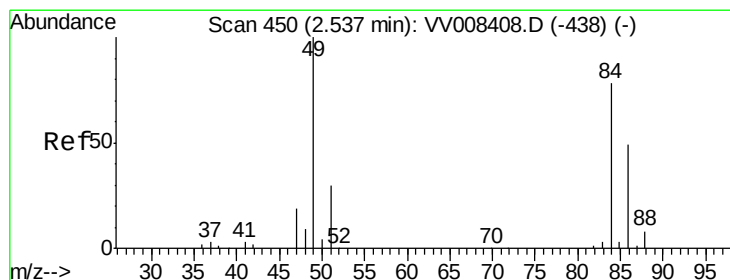
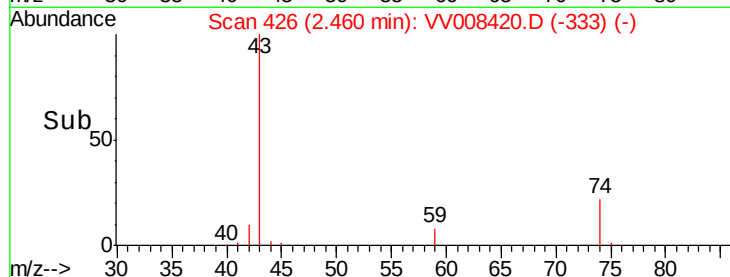
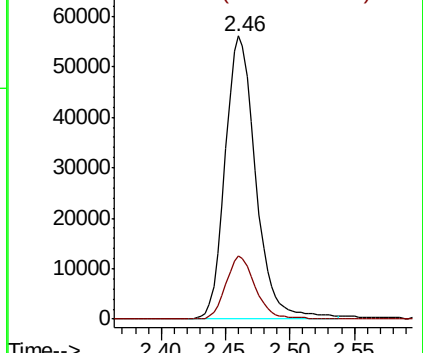
43 100

74 21.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.588 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

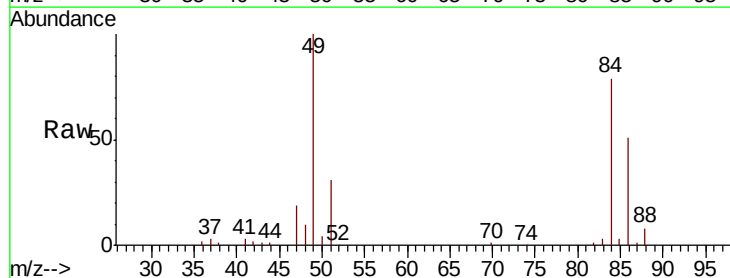
Tgt Ion: 84 Resp: 77534

Ion Ratio Lower Upper

84 100

86 64.2 45.6 84.6

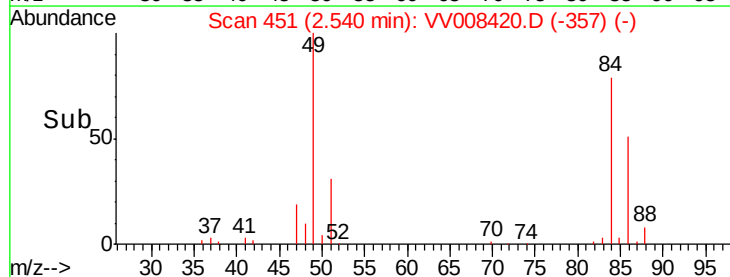
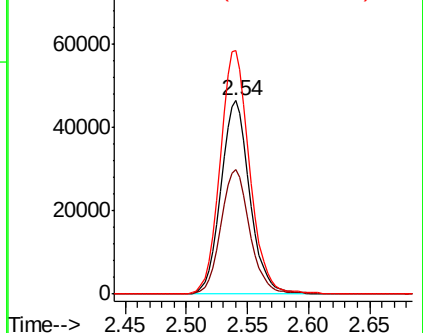
49 126.0 90.6 168.3

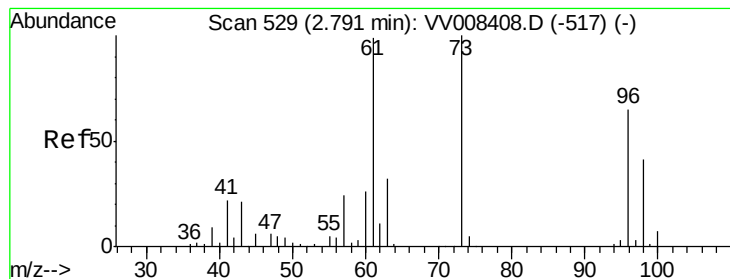


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.251 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

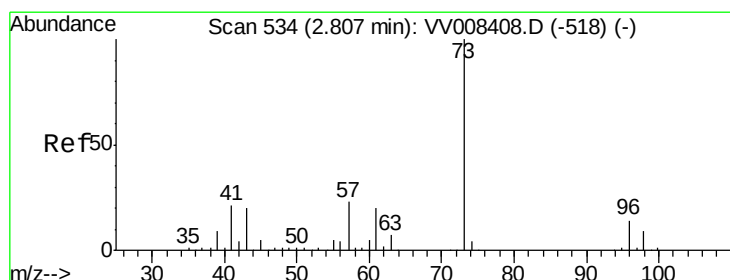
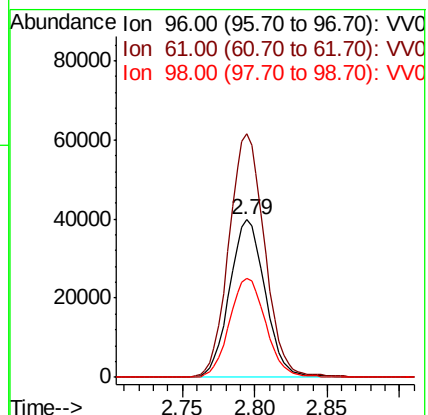
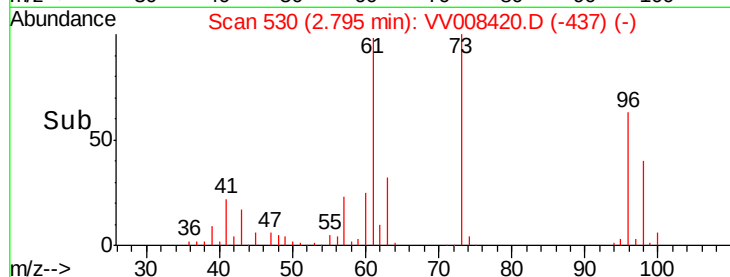
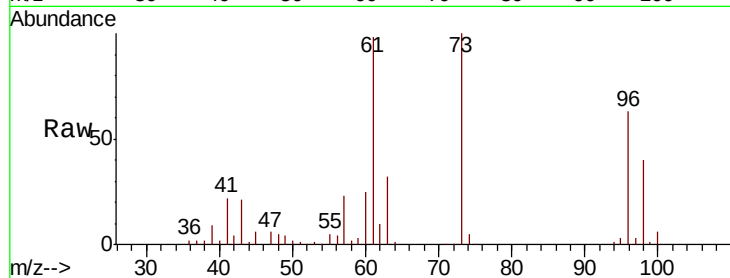
Tgt Ion: 96 Resp: 67767

Ion Ratio Lower Upper

96 100

61 154.7 108.6 201.6

98 63.2 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 50.110 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

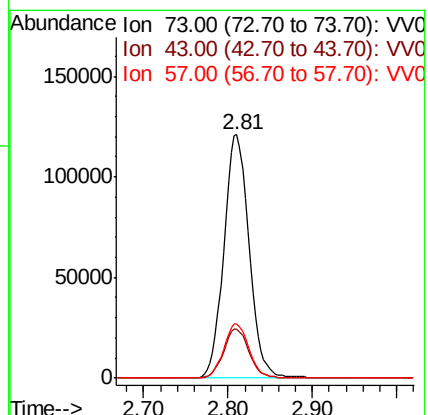
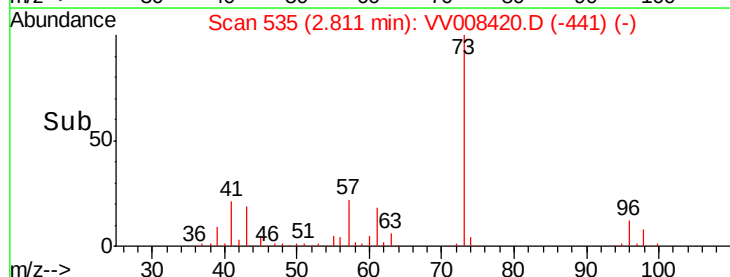
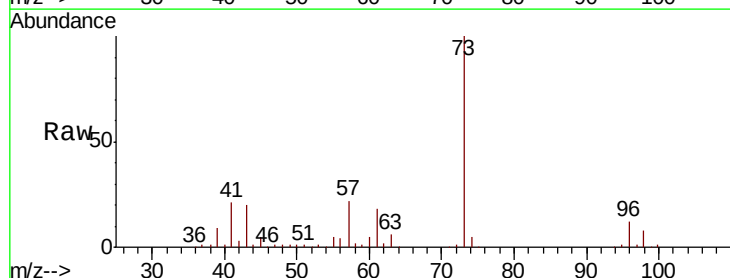
Tgt Ion: 73 Resp: 251898

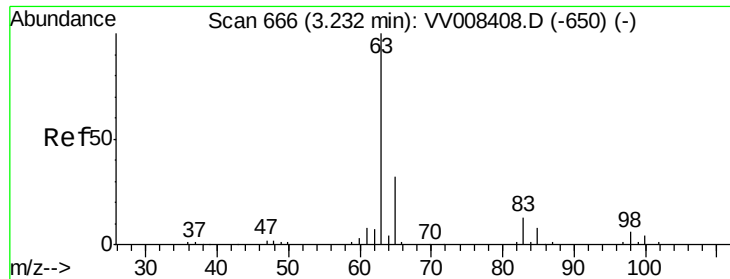
Ion Ratio Lower Upper

73 100

43 20.1 16.2 24.4

57 22.3 18.2 27.2

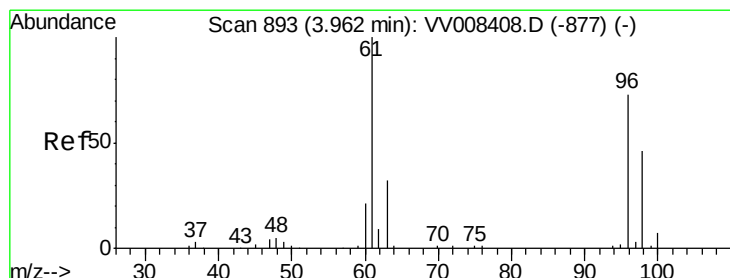
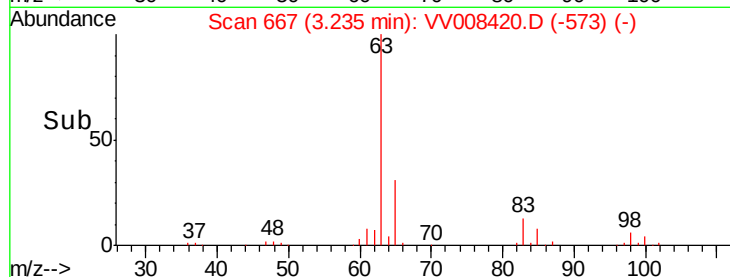
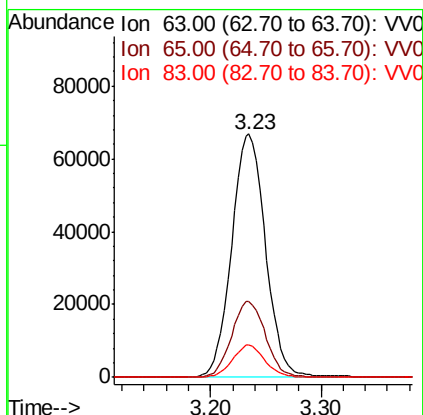
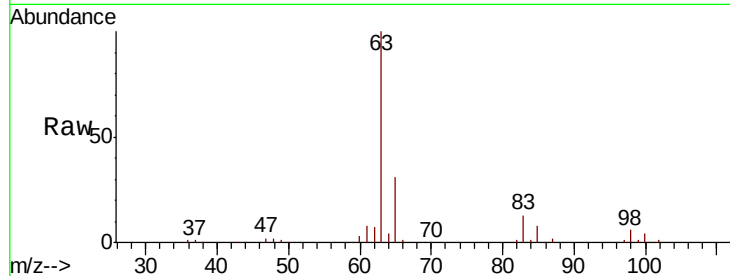




#19
 1,1-Dichloroethane
 Concen: 49.141 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

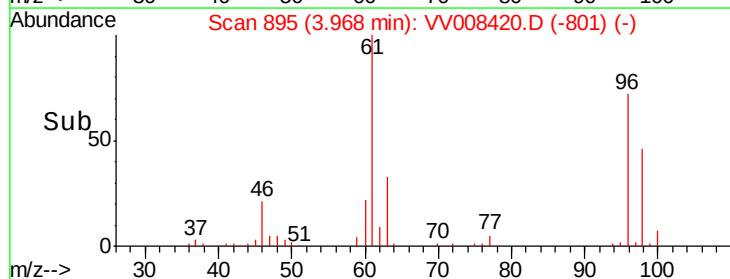
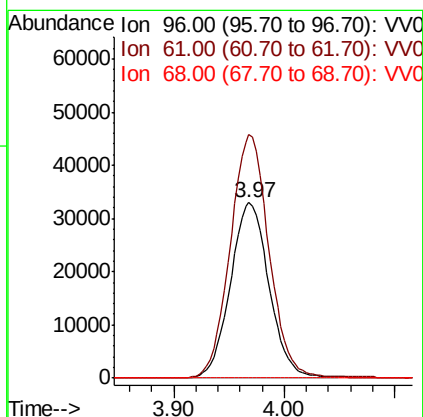
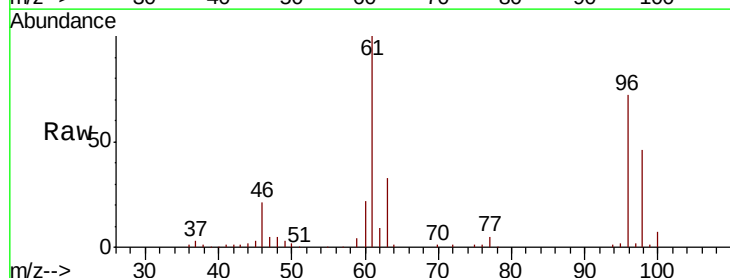
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

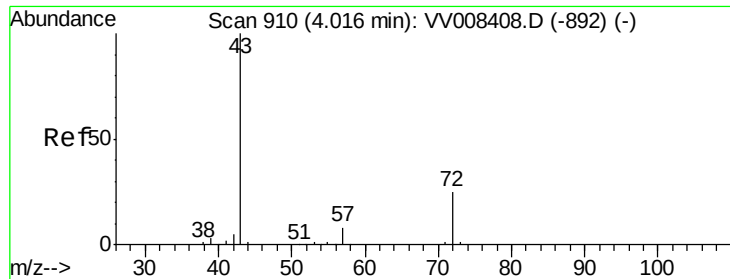
Tgt Ion: 63 Resp: 142341
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 40.8
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.136 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion: 96 Resp: 80221
 Ion Ratio Lower Upper
 96 100
 61 138.6 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.456 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

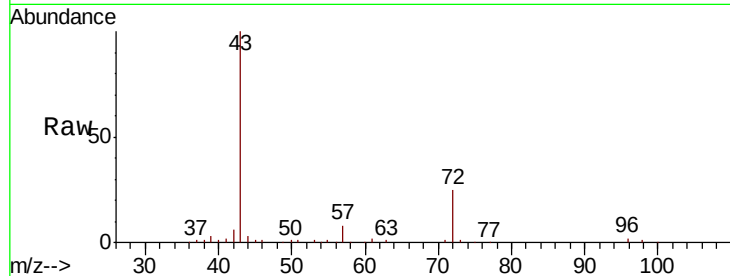
VSTD05078

Tgt Ion: 43 Resp: 128092

Ion Ratio Lower Upper

43 100

72 25.9 13.0 38.9

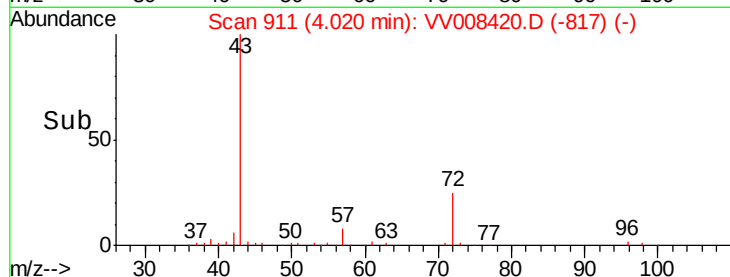


Abundance Ion 43.00 (42.70 to 43.70): VV008420.D (-910) (-)

Ion 72.00 (71.70 to 72.70): VV008420.D (-910) (-)

4.02

Time-->



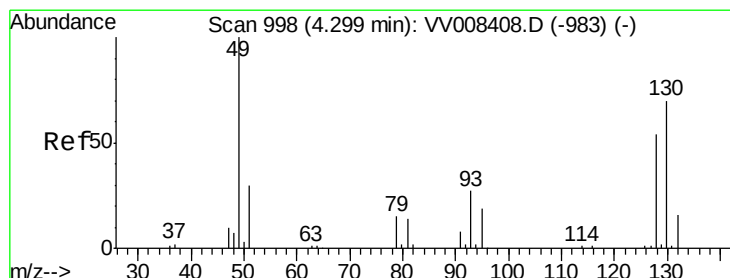
Abundance

Ion 43.00 (42.70 to 43.70): VV008420.D (-910) (-)

Ion 72.00 (71.70 to 72.70): VV008420.D (-910) (-)

4.02

Time-->



#23

Bromochloromethane

Concen: 48.217 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Tgt Ion: 128 Resp: 36385

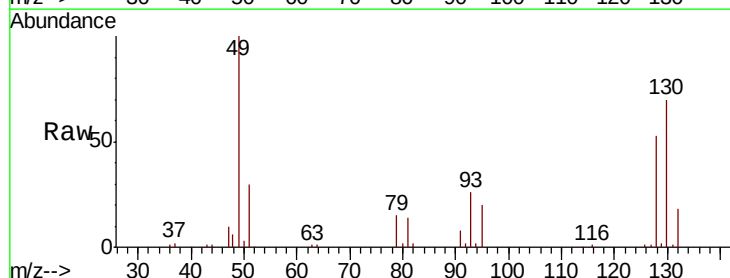
Ion Ratio Lower Upper

128 100

49 187.1 128.0 237.8

130 130.1 89.2 165.8

51 56.8 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008420.D (-998) (-)

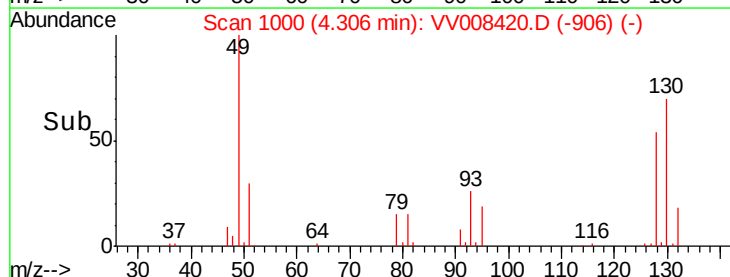
Ion 49.00 (48.70 to 49.70): VV008420.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV008420.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV008420.D (-998) (-)

4.31

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VV008420.D (-998) (-)

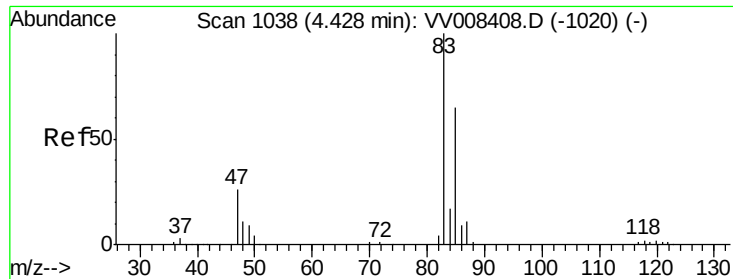
Ion 49.00 (48.70 to 49.70): VV008420.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV008420.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV008420.D (-998) (-)

4.31

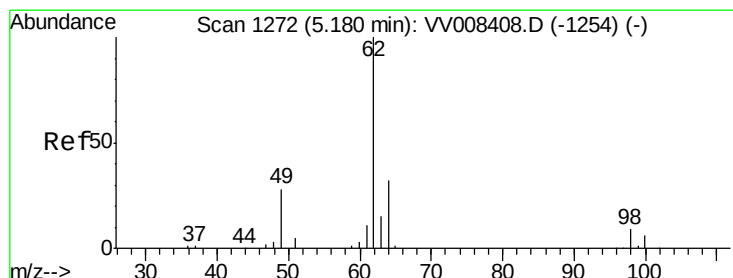
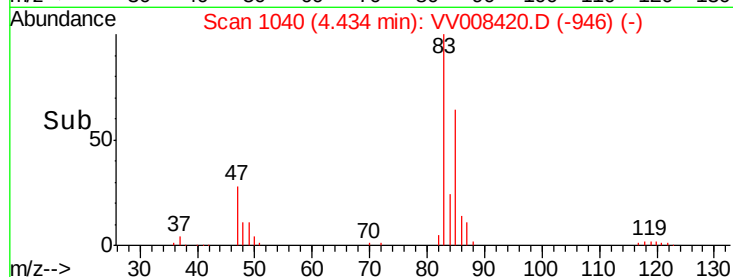
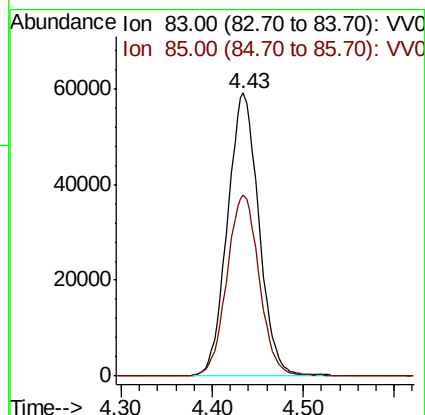
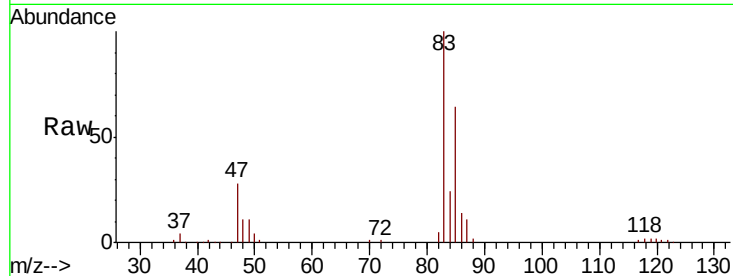
Time-->



#25
Chloroform
Concen: 50.218 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

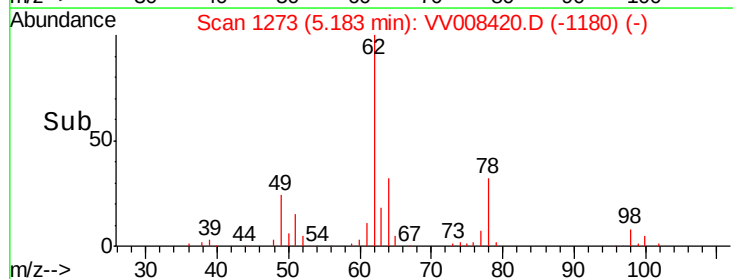
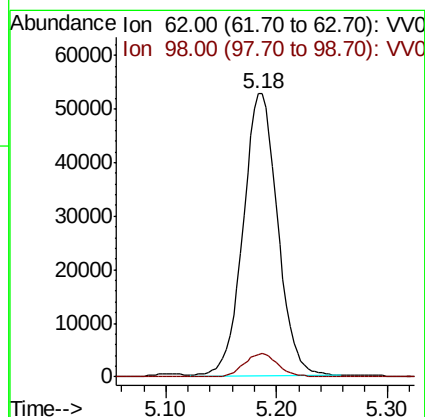
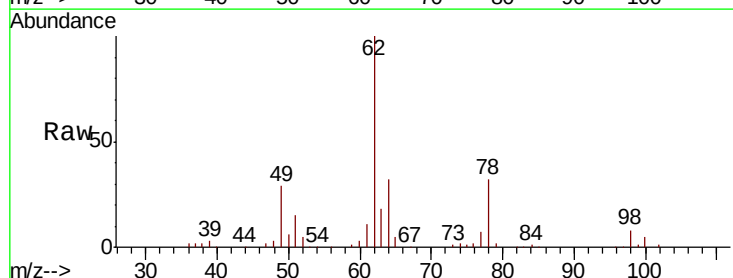
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

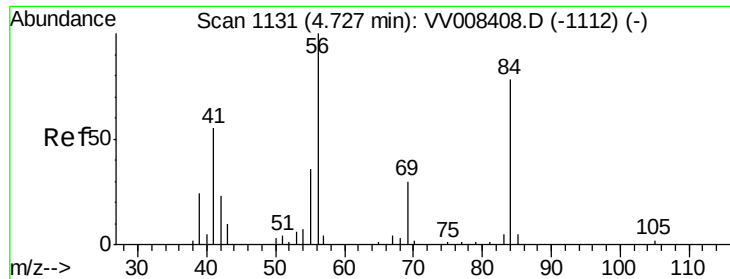
Tgt Ion: 83 Resp: 142001
Ion Ratio Lower Upper
83 100
85 63.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 48.370 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Tgt Ion: 62 Resp: 114243
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8

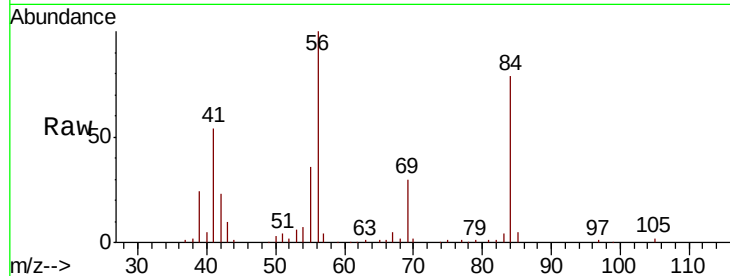




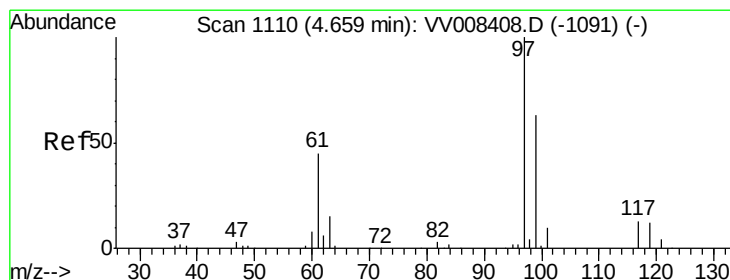
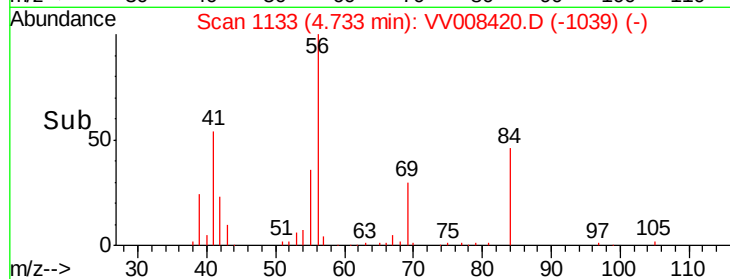
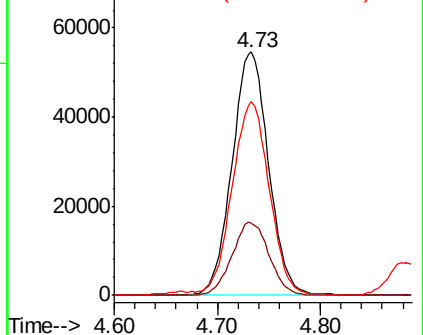
#29
Cyclohexane
Concen: 48.694 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 56 Resp: 134628
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 80.9 65.0 97.4

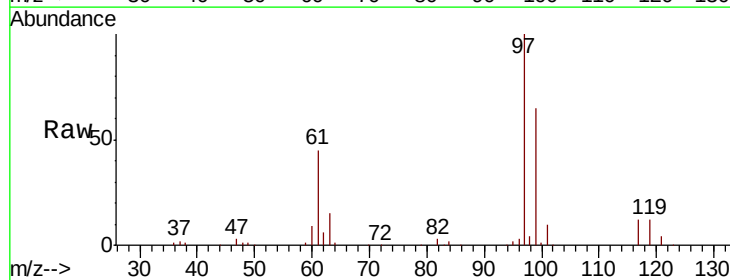


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

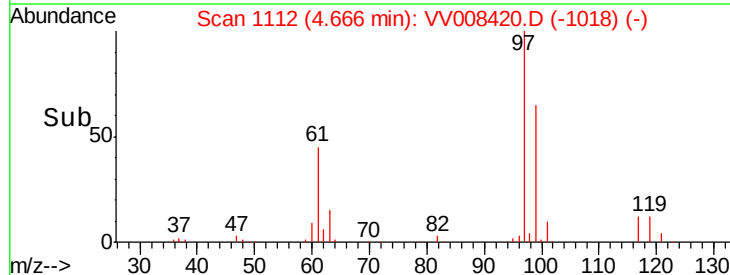
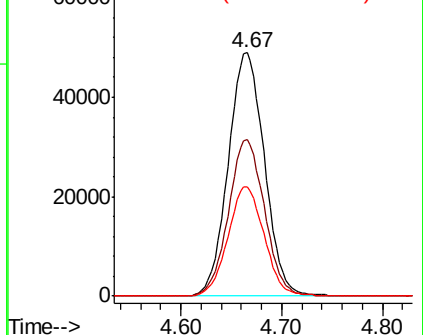


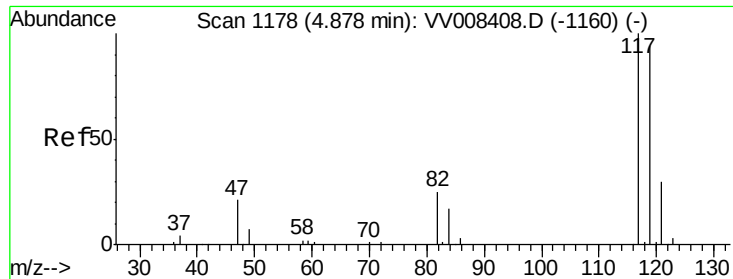
#30
1,1,1-Trichloroethane
Concen: 49.697 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Tgt Ion: 97 Resp: 122381
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 44.8 36.5 54.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

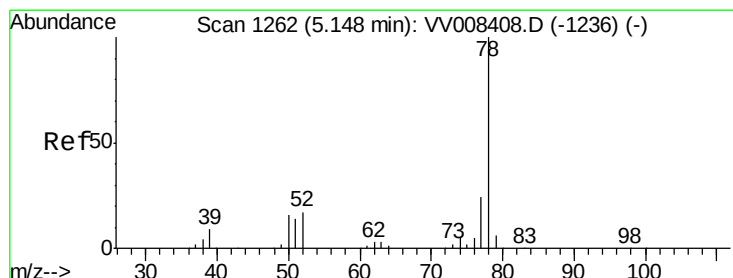
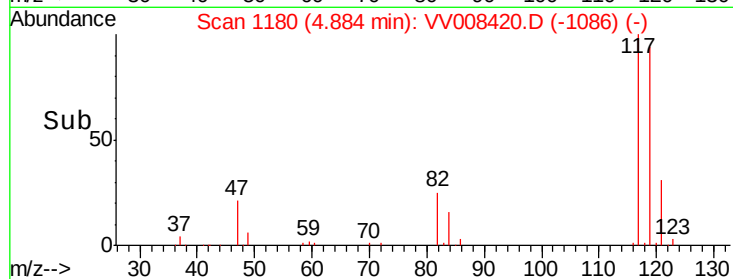
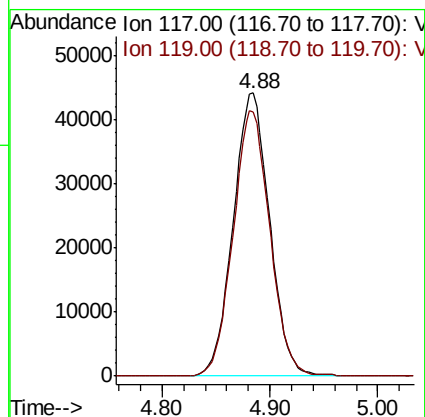
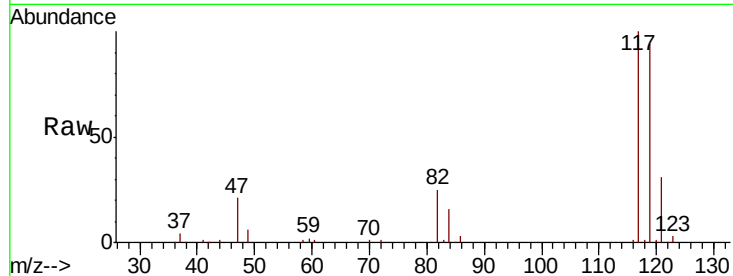




#31
 Carbon tetrachloride
 Concen: 49.676 ug/L
 RT: 4.88 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

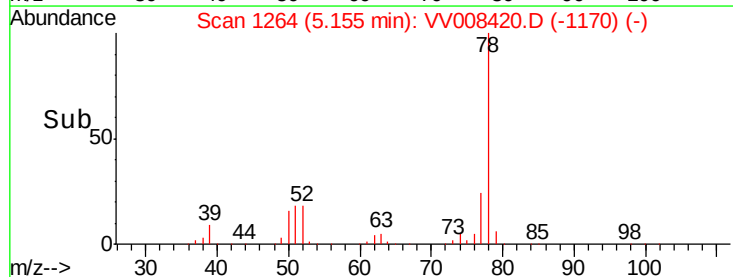
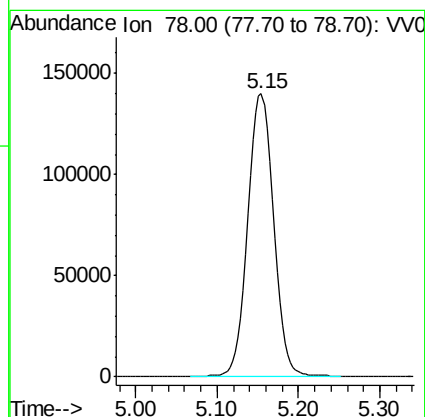
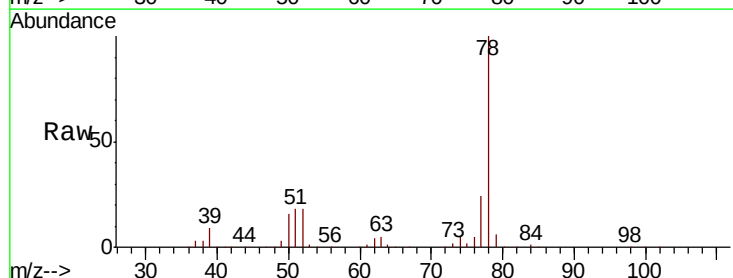
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

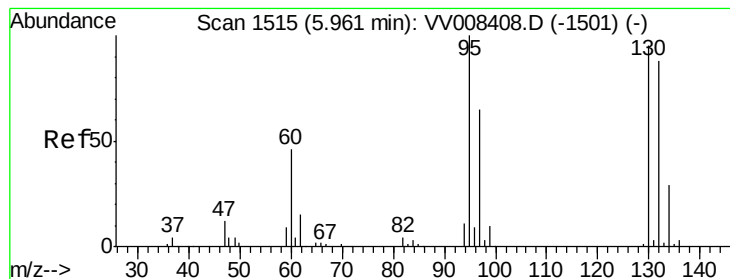
Tgt Ion: 117 Resp: 103812
 Ion Ratio Lower Upper
 117 100
 119 94.5 75.8 113.8



#33
 Benzene
 Concen: 49.329 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion: 78 Resp: 306196





#34

Trichloroethene

Concen: 48.911 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

Tgt Ion: 95 Resp: 77728

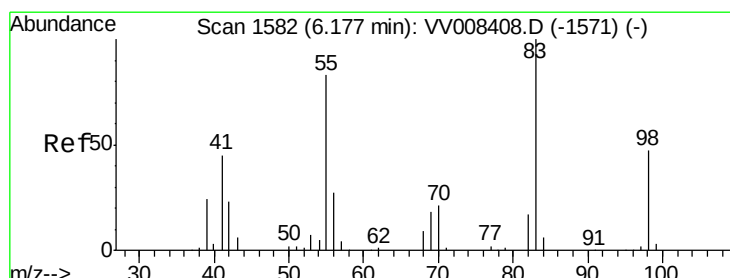
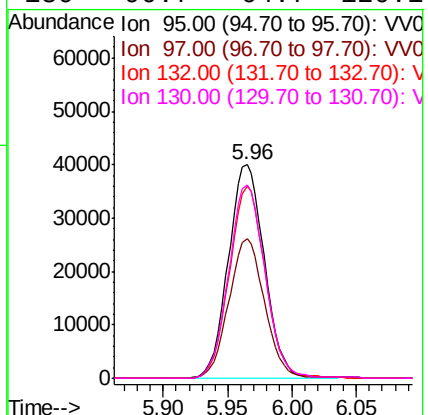
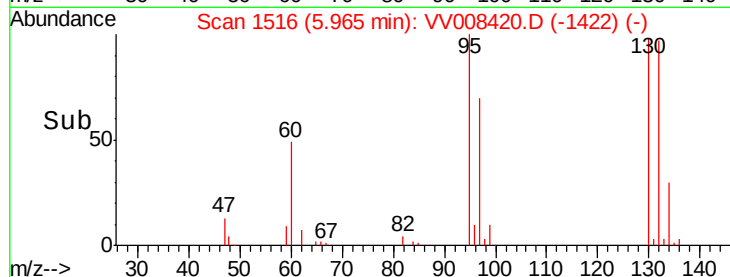
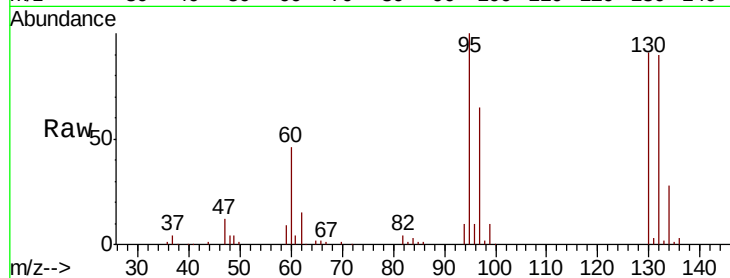
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 89.8 63.8 118.6

130 90.7 64.7 120.1



#35

Methylcyclohexane

Concen: 48.763 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

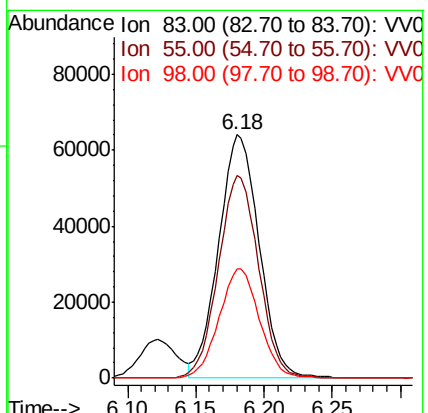
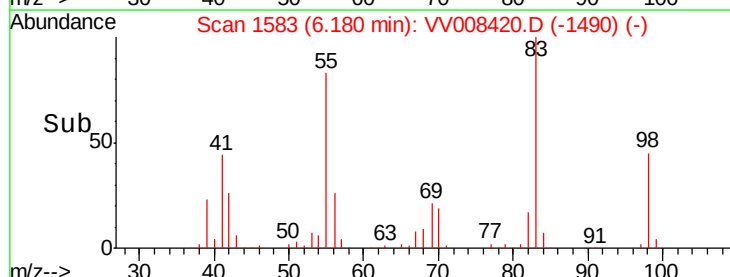
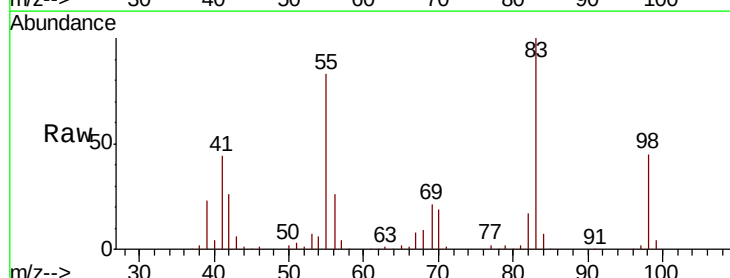
Tgt Ion: 83 Resp: 131748

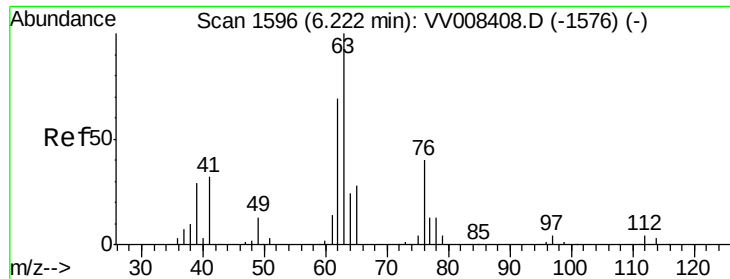
Ion Ratio Lower Upper

83 100

55 82.4 65.0 97.4

98 45.1 36.0 54.0

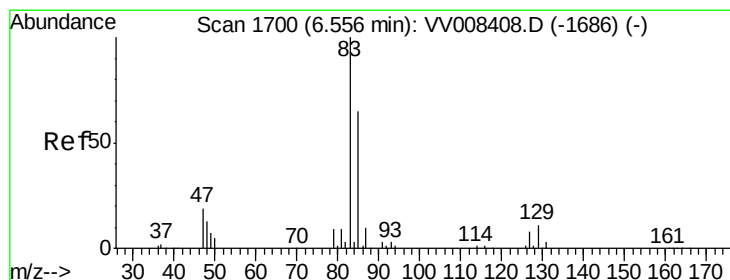
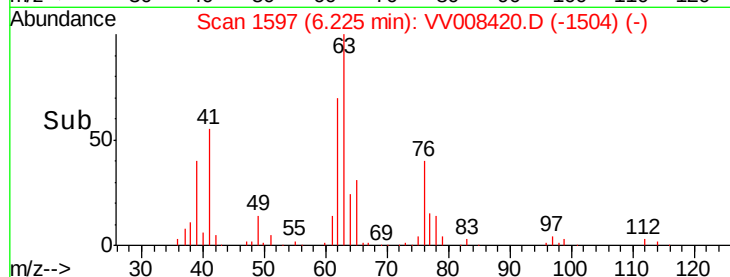
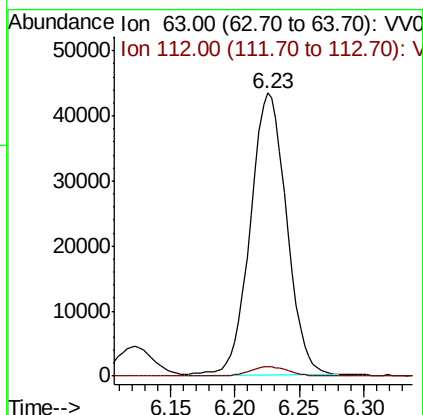
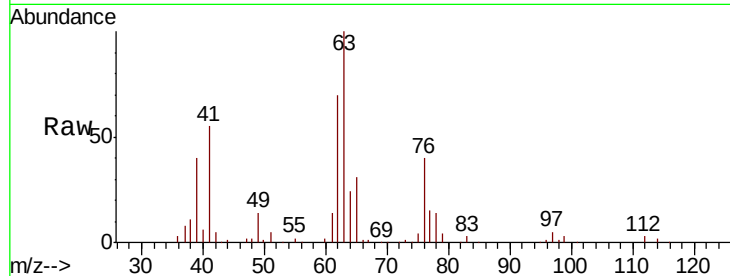




#37
 1,2-Dichloropropane
 Concen: 49.600 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

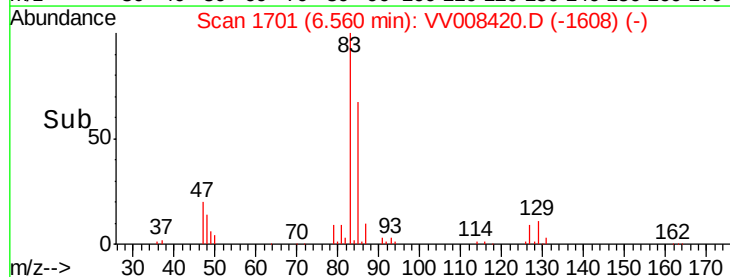
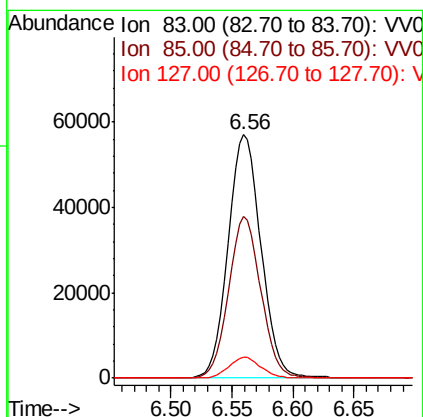
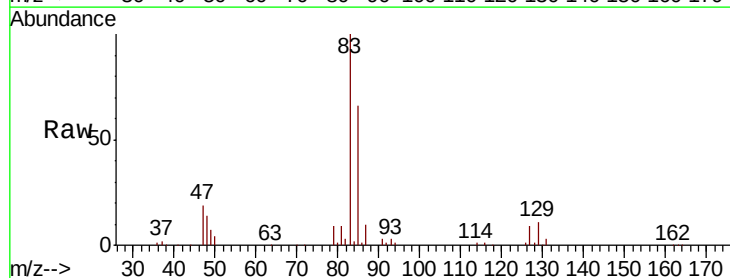
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

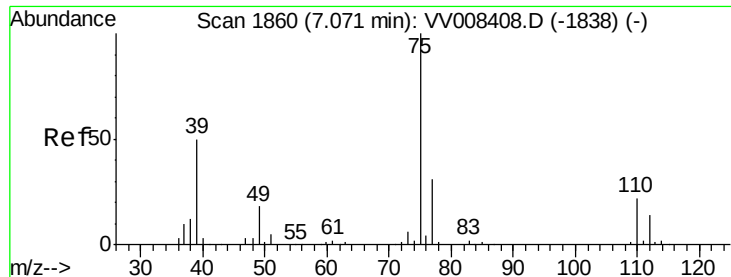
Tgt Ion: 63 Resp: 85029
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#38
 Bromodichloromethane
 Concen: 49.187 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion: 83 Resp: 107448
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.3 82.3
 127 8.6 6.3 9.5

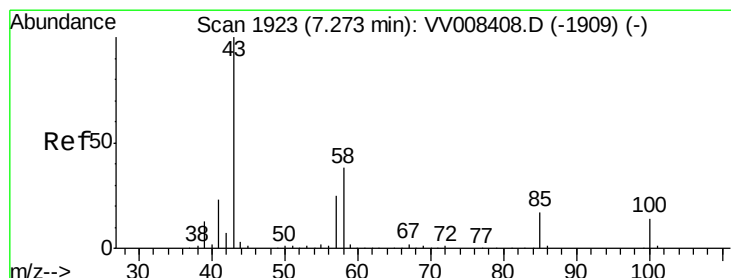
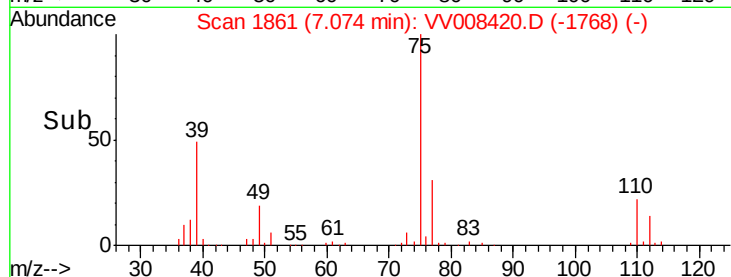
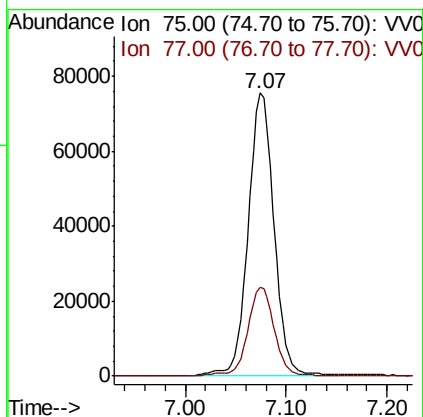
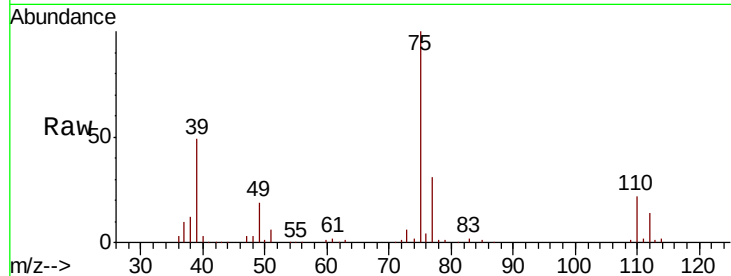




#39
 cis-1,3-Dichloropropene
 Concen: 49.678 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

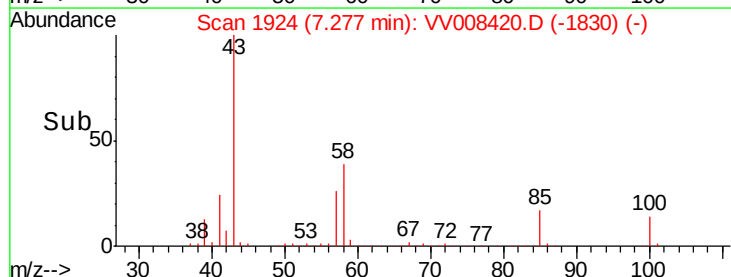
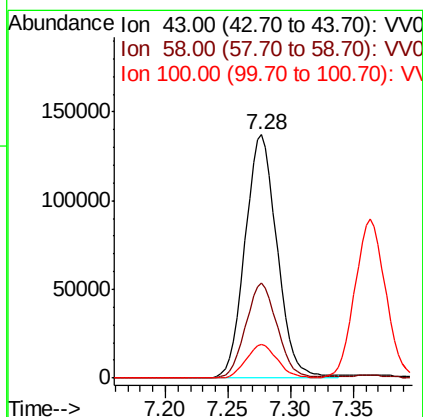
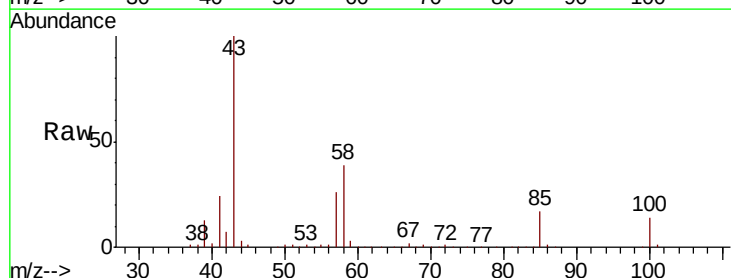
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

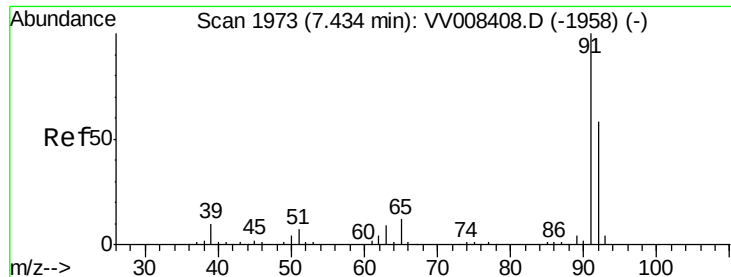
Tgt Ion: 75 Resp: 133889
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 96.228 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion: 43 Resp: 244283
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 13.6 10.9 16.3





#42

Toluene

Concen: 49.762 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

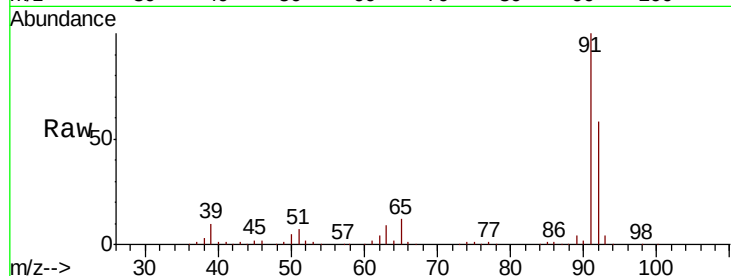
VSTD05078

Tgt Ion: 91 Resp: 320842

Ion Ratio Lower Upper

91 100

92 58.4 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008420.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VV008420.D (-1880) (-)

7.43

200000

150000

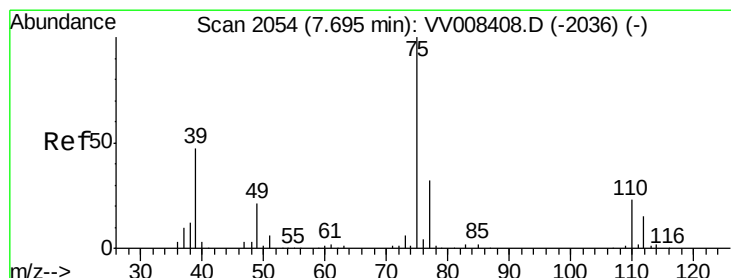
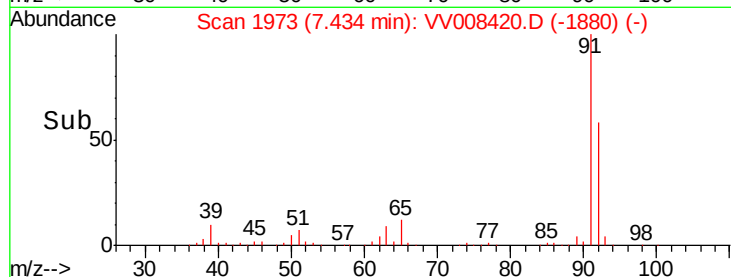
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.141 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008420.D

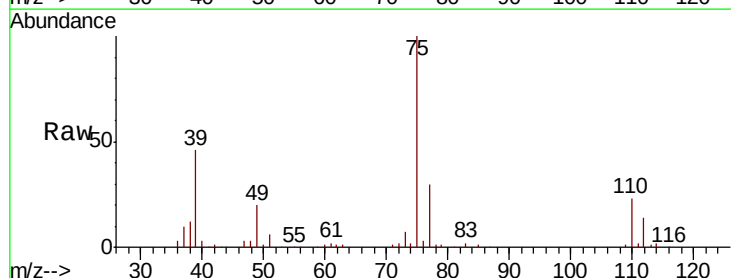
Acq: 25 Oct 2018 19:50

Tgt Ion: 75 Resp: 126426

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008420.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV008420.D (-1961) (-)

7.70

80000

60000

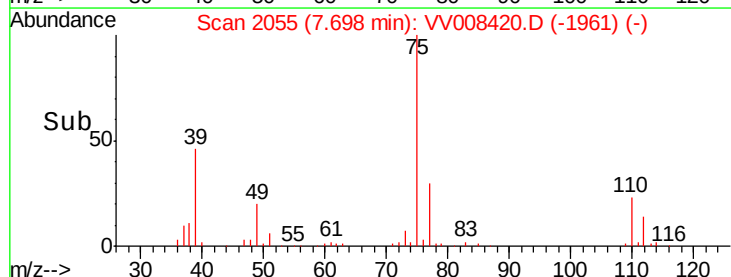
40000

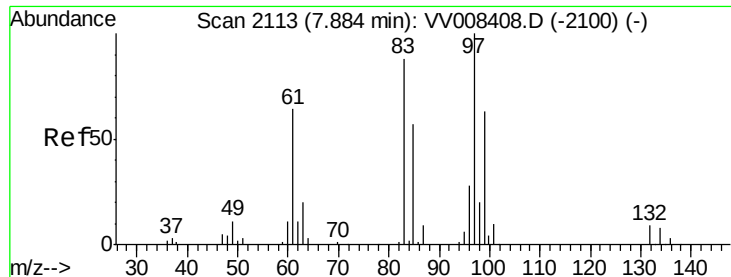
20000

0

7.60 7.70 7.80

Time-->

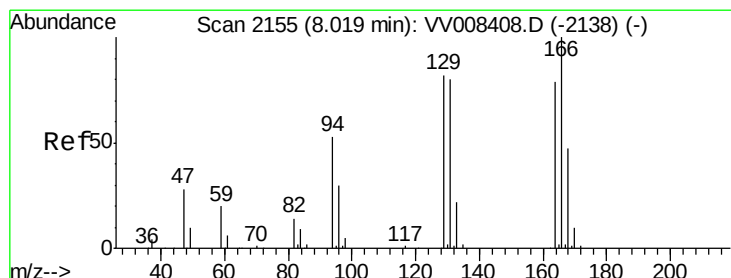
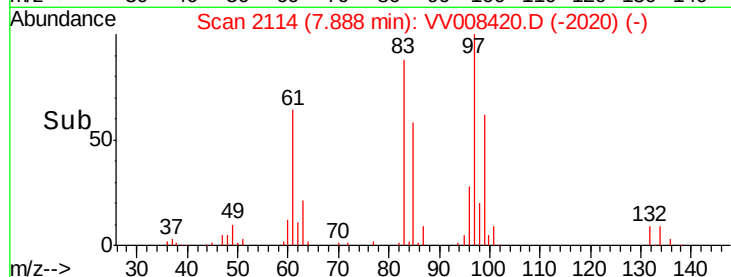
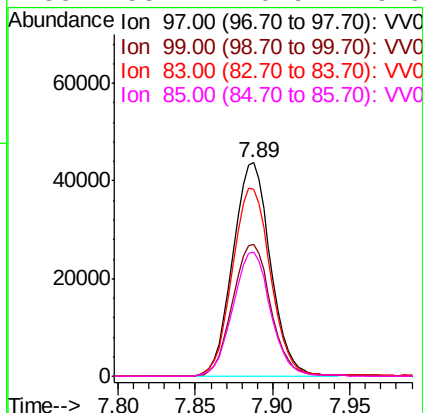
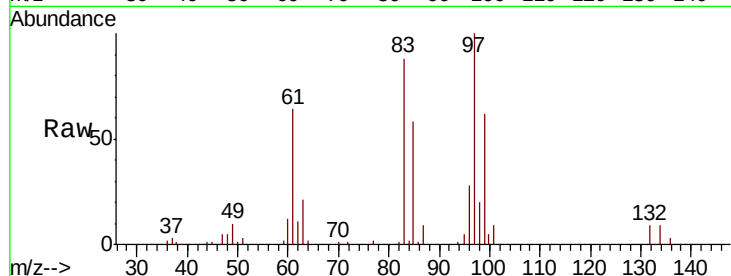




#45
 1,1,2-Trichloroethane
 Concen: 49.007 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

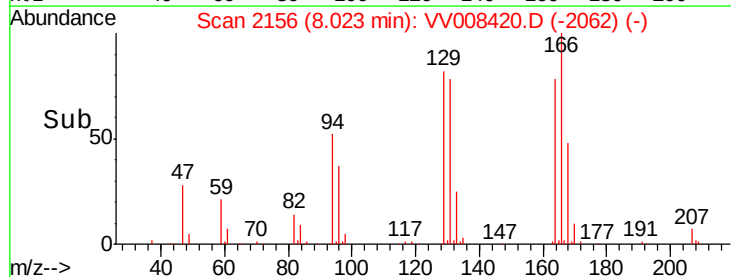
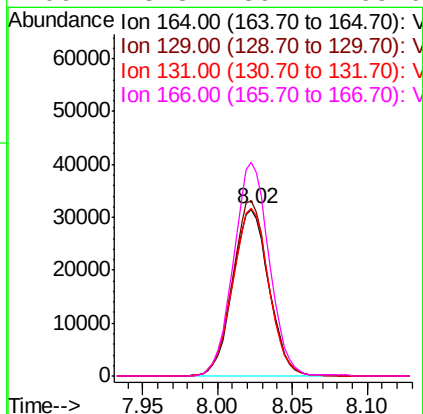
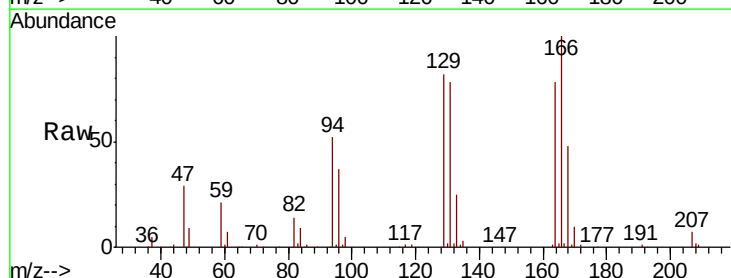
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

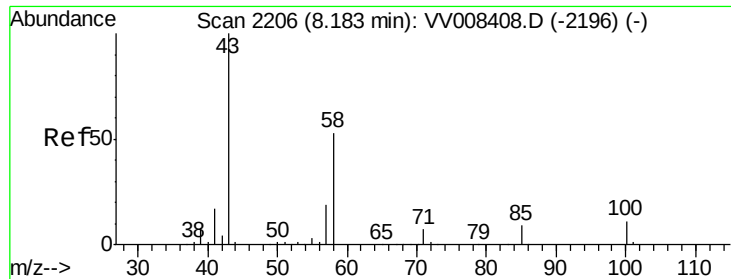
Tgt Ion:	97	Resp:	74281
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.3	80.3
83	87.8	61.9	114.9
85	58.1	40.9	75.9



#46
 Tetrachloroethene
 Concen: 51.257 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion:	164	Resp:	53102
Ion	Ratio	Lower	Upper
164	100		
129	105.1	75.0	139.2
131	100.6	71.3	132.3
166	128.3	89.2	165.6





#48

2-Hexanone

Concen: 99.123 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 43 Resp: 194167

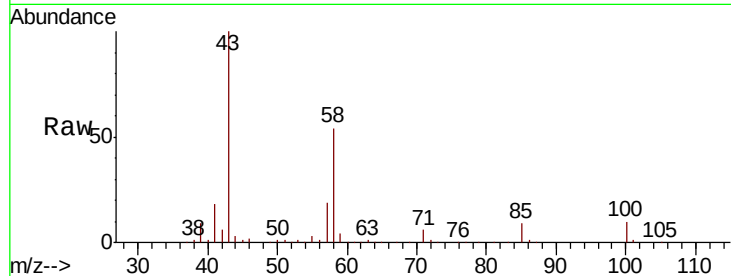
Ion Ratio Lower Upper

43 100

58 49.8 42.6 63.8

57 17.8 14.8 22.2

100 9.7 8.5 12.7

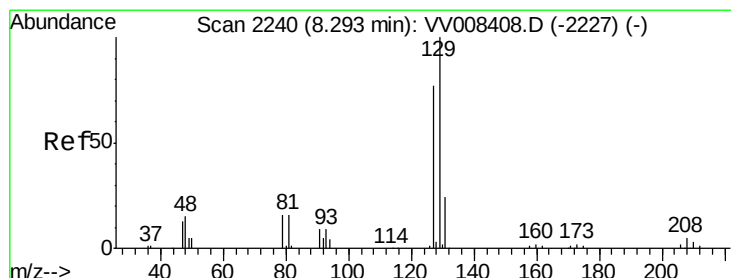
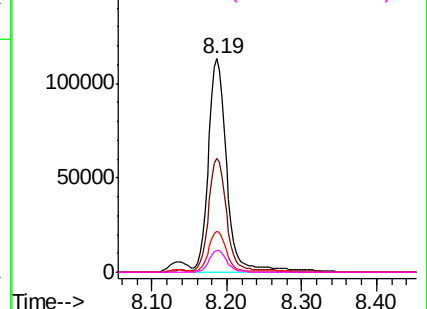
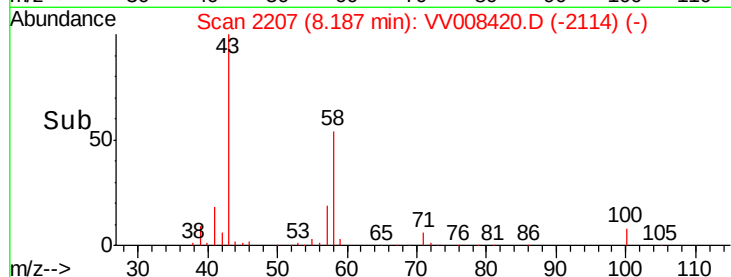


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 50.474 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008420.D

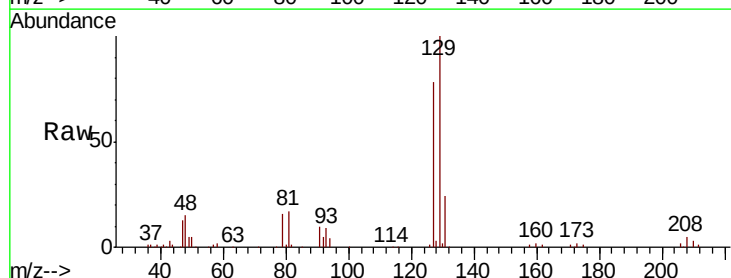
Acq: 25 Oct 2018 19:50

Tgt Ion: 129 Resp: 82215

Ion Ratio Lower Upper

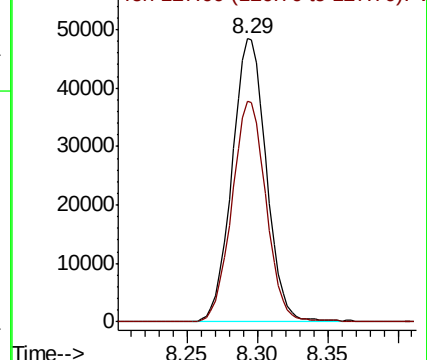
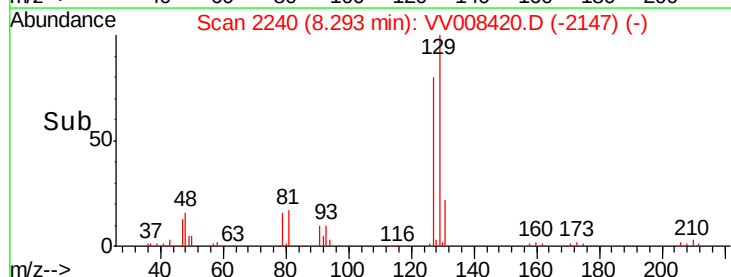
129 100

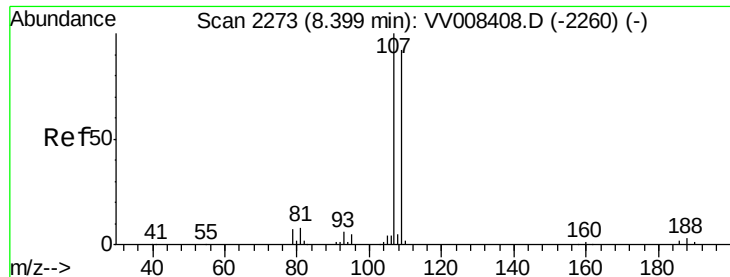
127 78.1 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

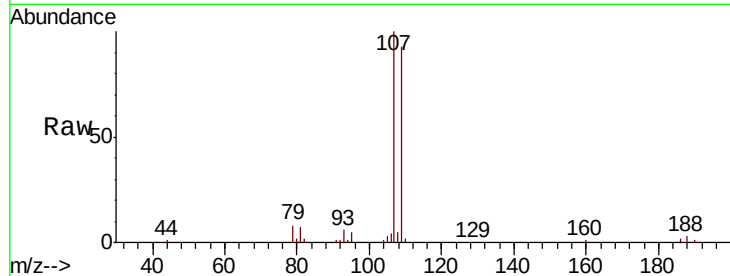




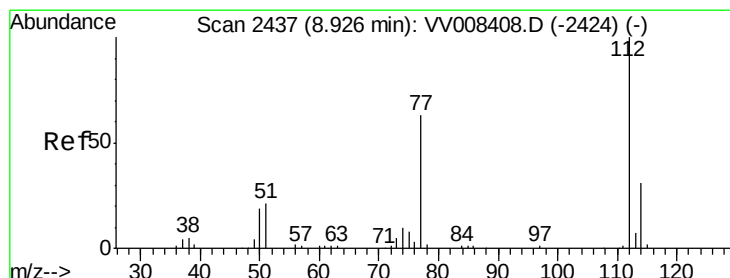
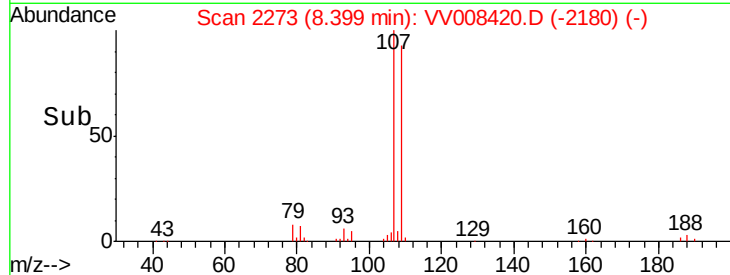
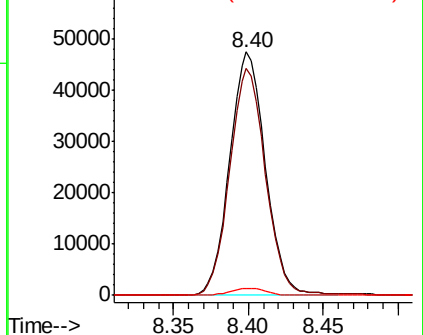
#50
1,2-Dibromoethane
Concen: 49.633 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion:107 Resp: 78920
Ion Ratio Lower Upper
107 100
109 93.3 65.2 121.2
188 2.8 2.3 3.5

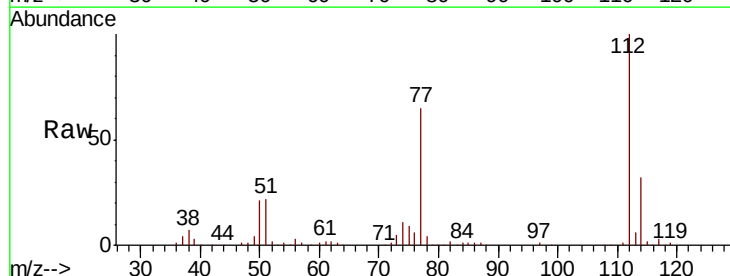


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

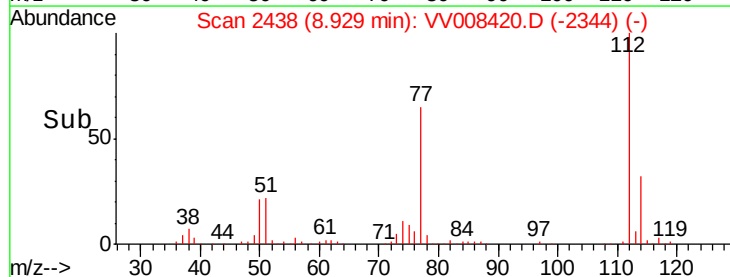
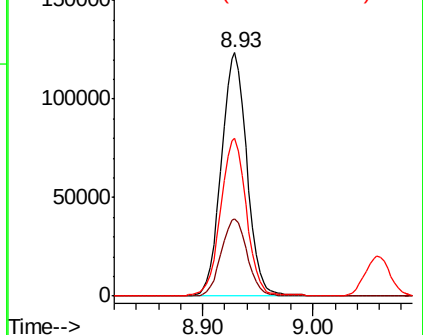


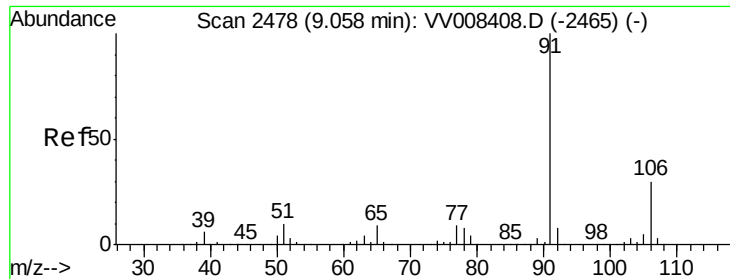
#51
Chlorobenzene
Concen: 50.226 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Tgt Ion:112 Resp: 199400
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 64.7 52.0 78.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.555 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

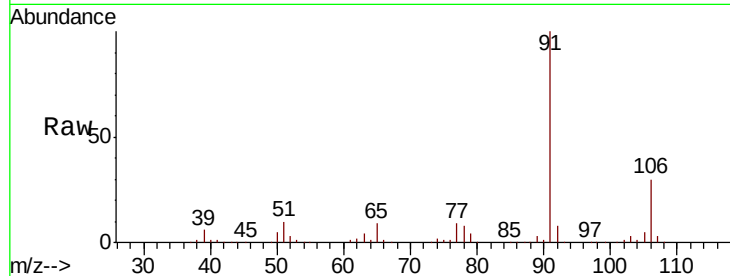
VSTD05078

Tgt Ion: 91 Resp: 365128

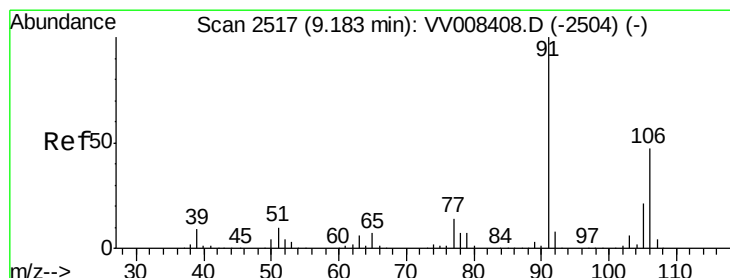
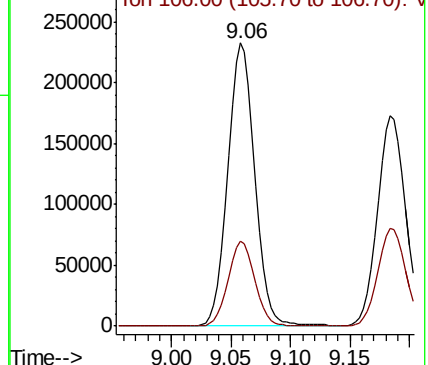
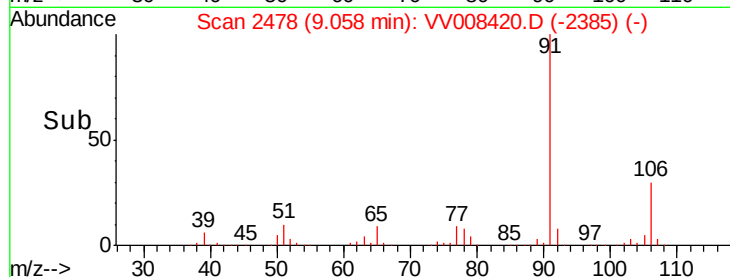
Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008420.D (-2385) (-)



#53

m,p-Xylene

Concen: 50.336 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008420.D

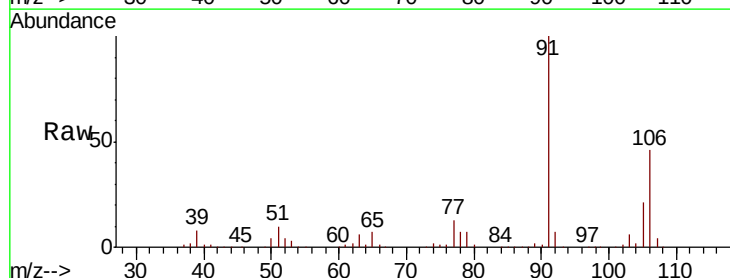
Acq: 25 Oct 2018 19:50

Tgt Ion: 106 Resp: 132818

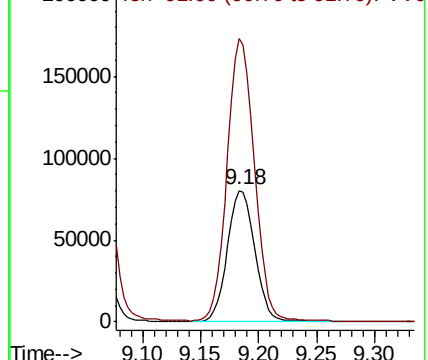
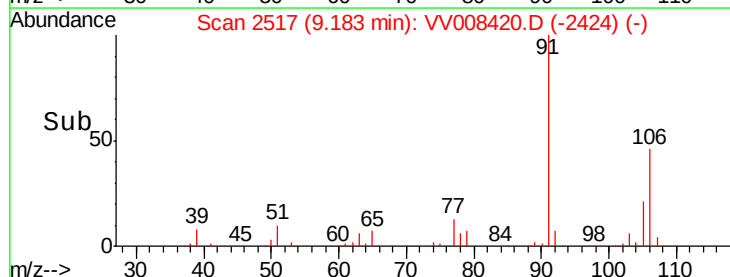
Ion Ratio Lower Upper

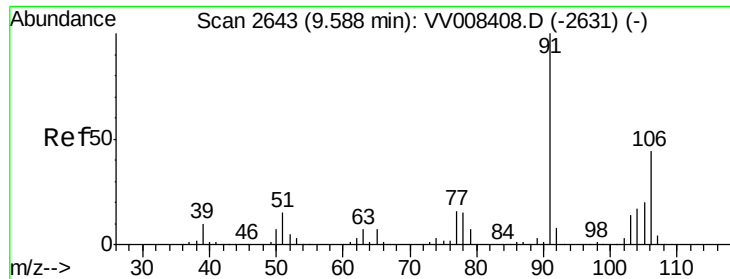
106 100

91 215.7 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008420.D (-2424) (-)

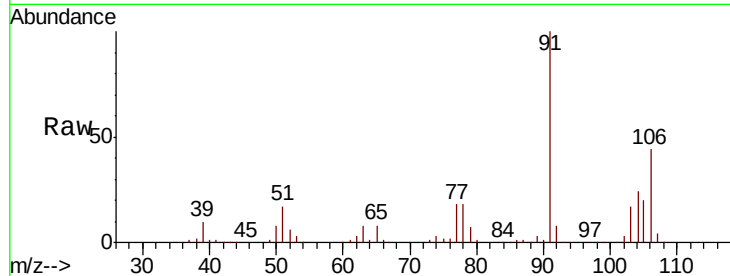




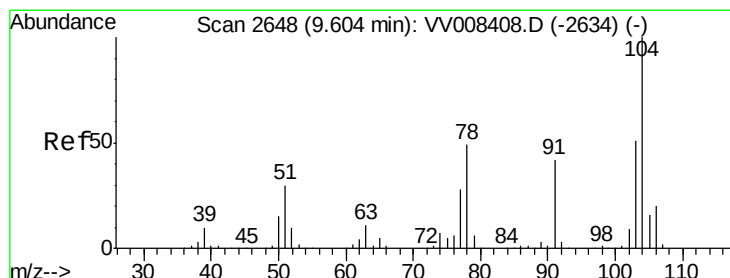
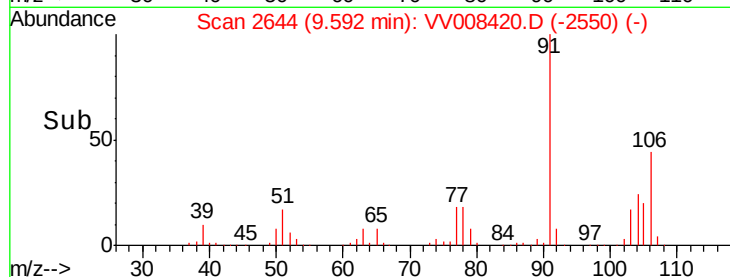
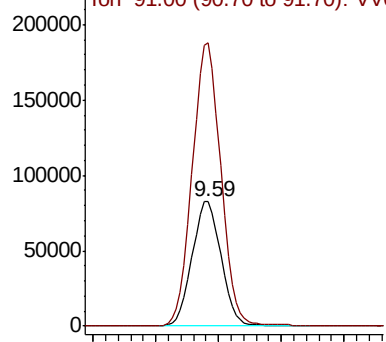
#54
o-xylene
Concen: 50.498 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion:106 Resp: 133054
Ion Ratio Lower Upper
106 100
91 227.2 158.7 294.7

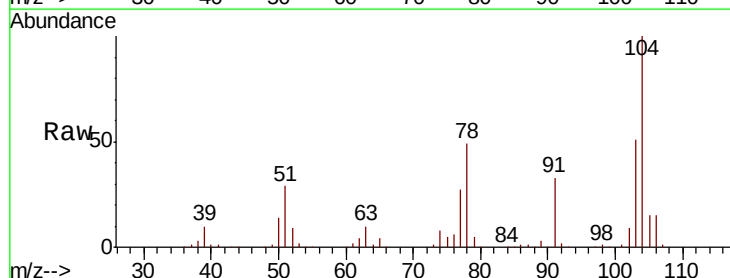


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

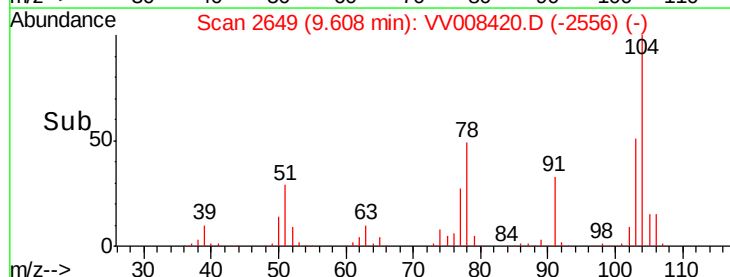
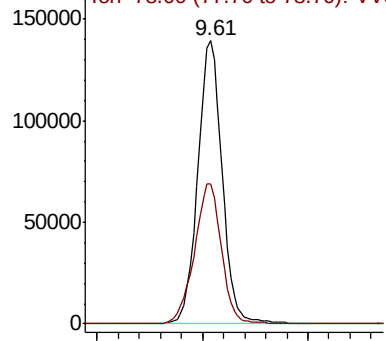


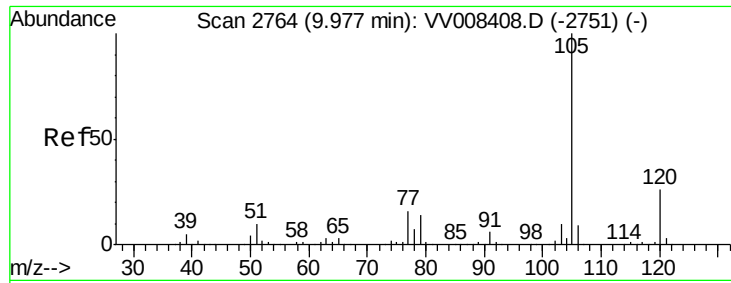
#55
Styrene
Concen: 50.129 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008420.D
Acq: 25 Oct 2018 19:50

Tgt Ion:104 Resp: 222549
Ion Ratio Lower Upper
104 100
78 49.3 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.700 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

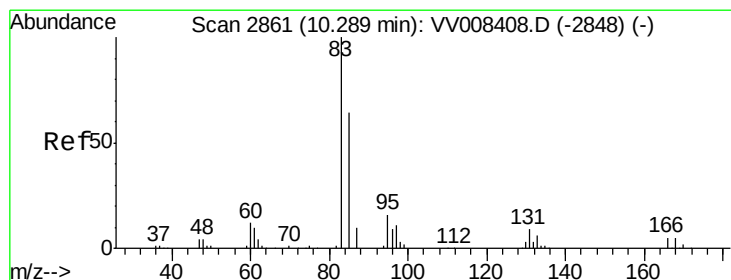
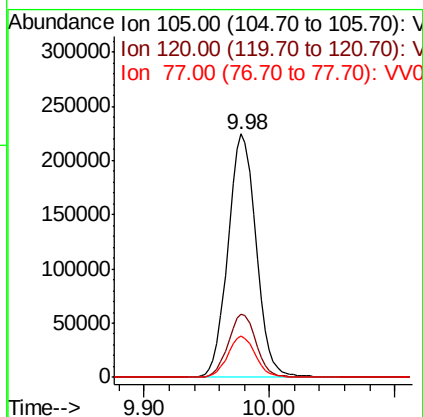
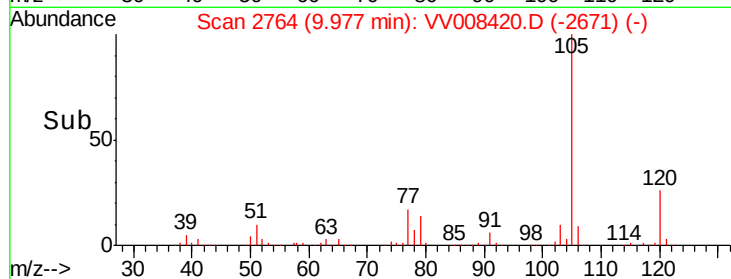
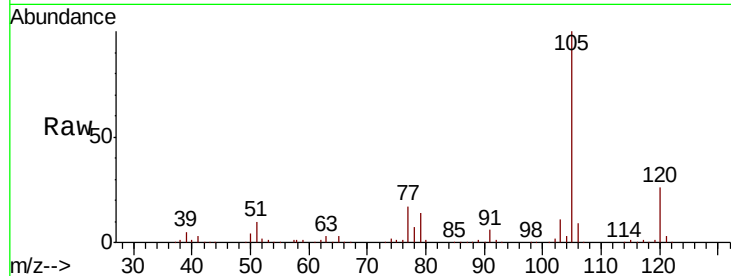
Tgt Ion: 105 Resp: 349523

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

77 16.7 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 48.959 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

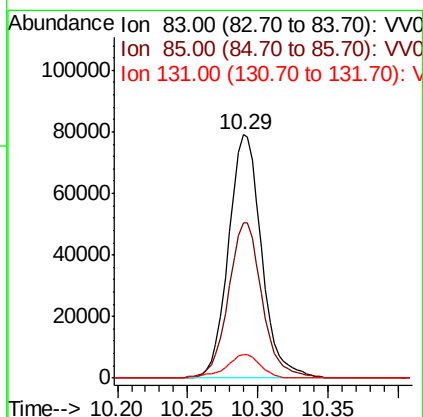
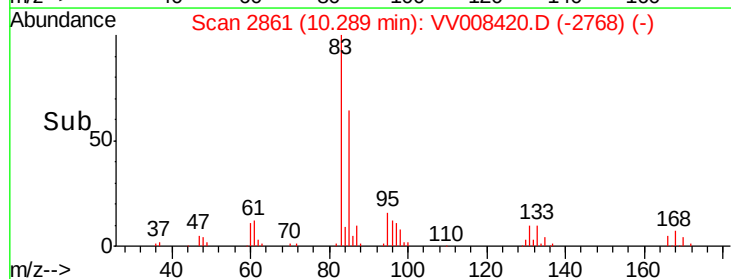
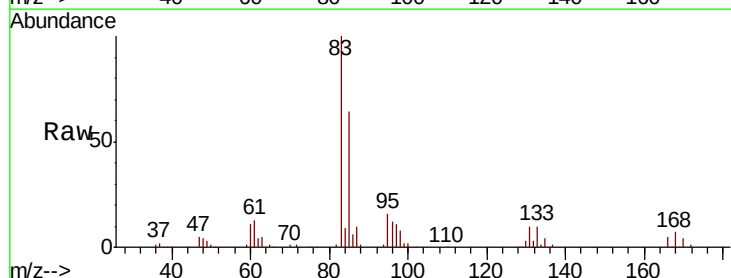
Tgt Ion: 83 Resp: 129968

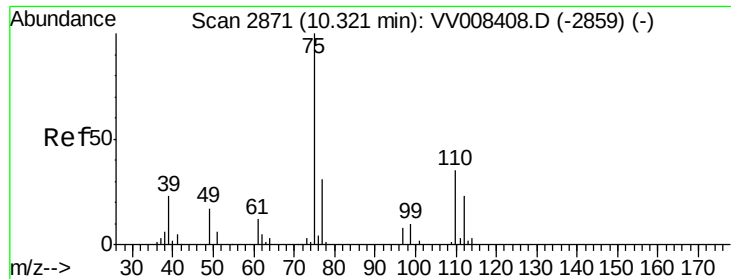
Ion Ratio Lower Upper

83 100

85 63.6 45.8 85.2

131 9.8 7.3 10.9





#59

1,2,3-Trichloropropane

Concen: 49.165 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

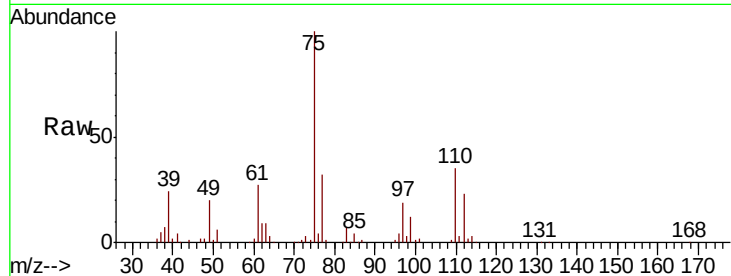
VSTD05078

Tgt Ion: 75 Resp: 105627

Ion Ratio Lower Upper

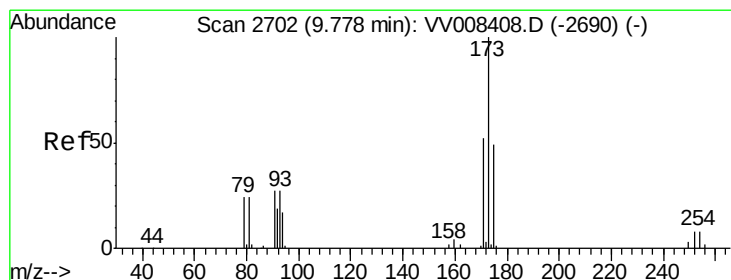
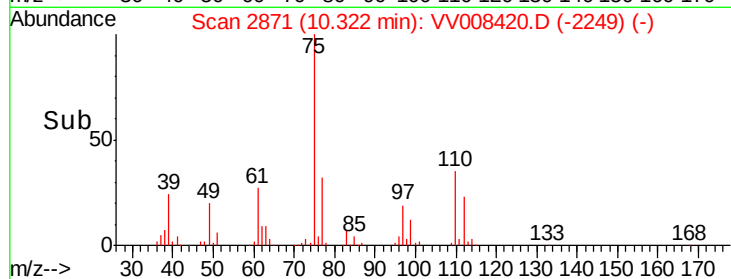
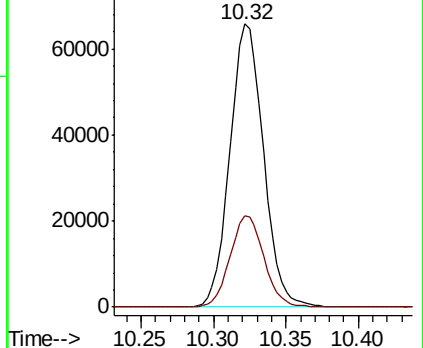
75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008420.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV008420.D (-2249) (-)



#61

Bromoform

Concen: 50.052 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

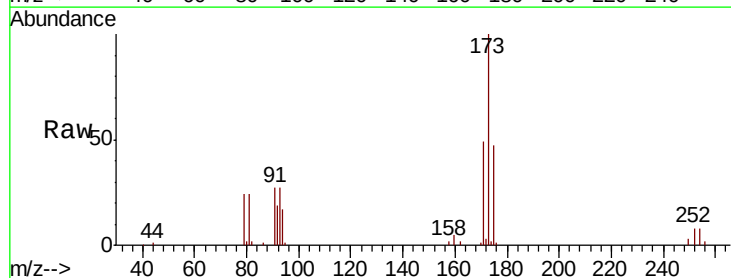
Tgt Ion: 173 Resp: 55093

Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

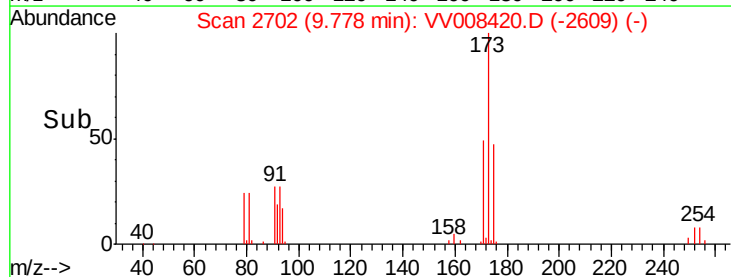
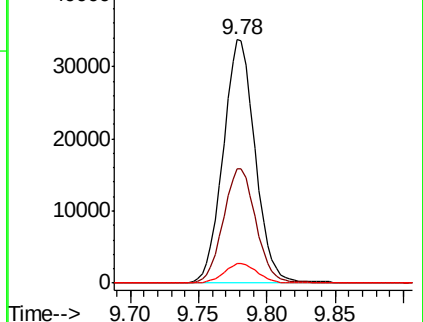
254 8.2 5.9 8.9

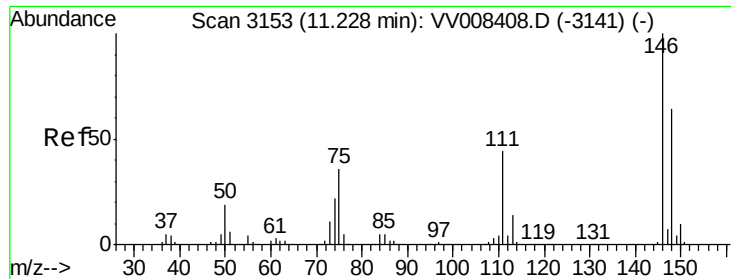


Abundance Ion 173.00 (172.70 to 173.70): VV008420.D (-2609) (-)

Ion 175.00 (174.70 to 175.70): VV008420.D (-2609) (-)

Ion 254.00 (253.70 to 254.70): VV008420.D (-2609) (-)

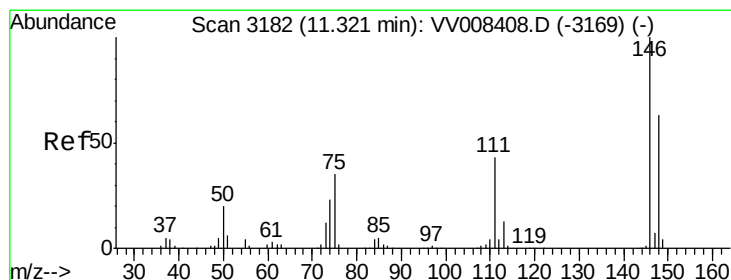
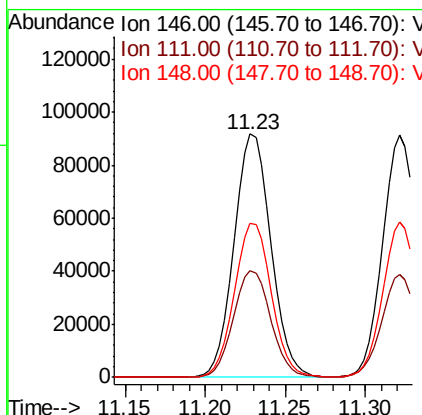
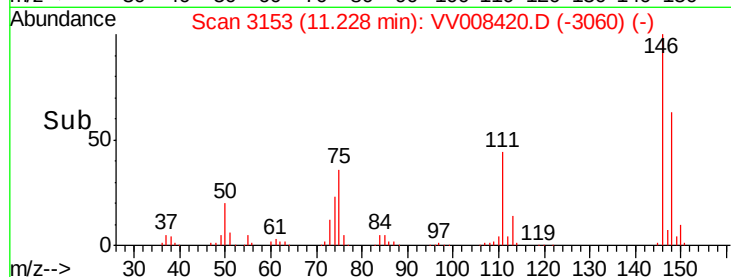
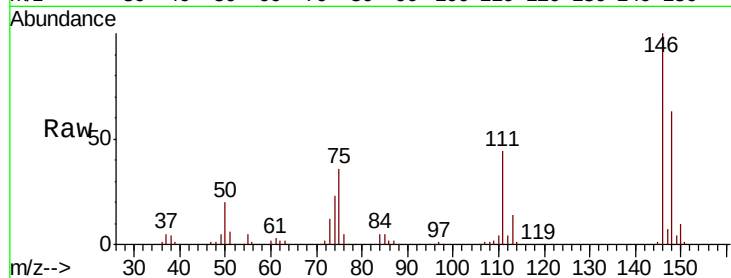




#62
 1,3-Dichlorobenzene
 Concen: 49.976 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

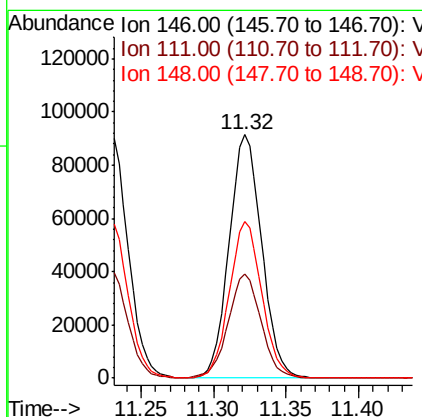
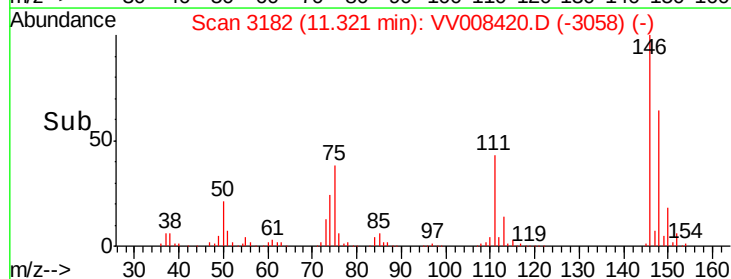
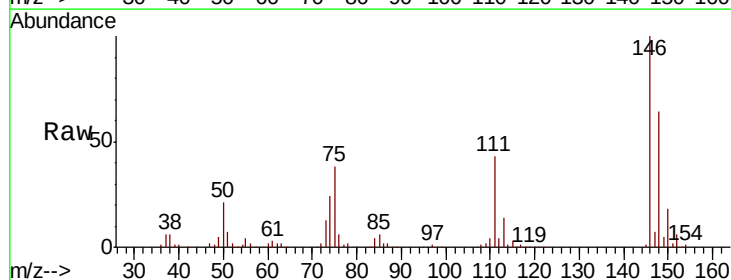
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

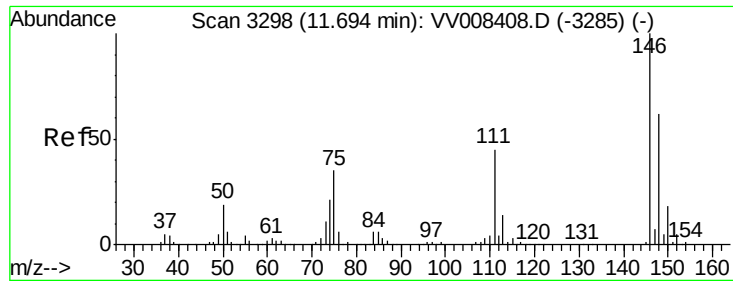
Tgt Ion:146 Resp: 144135
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.9 57.3
 148 63.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 49.203 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion:146 Resp: 142226
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.8 55.4
 148 64.2 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 50.038 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

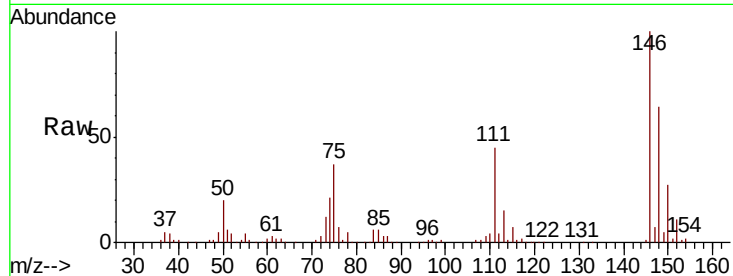
Tgt Ion:146 Resp: 147165

Ion Ratio Lower Upper

146 100

111 45.2 36.2 54.2

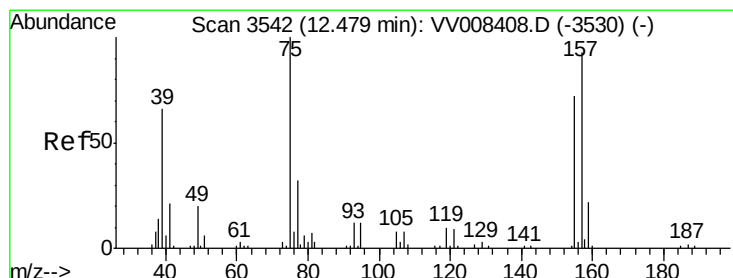
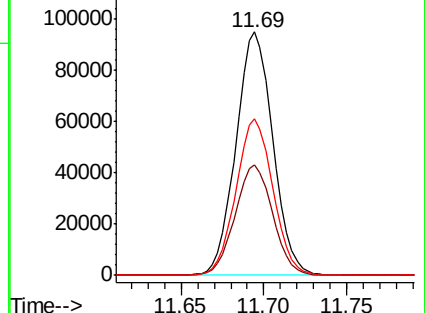
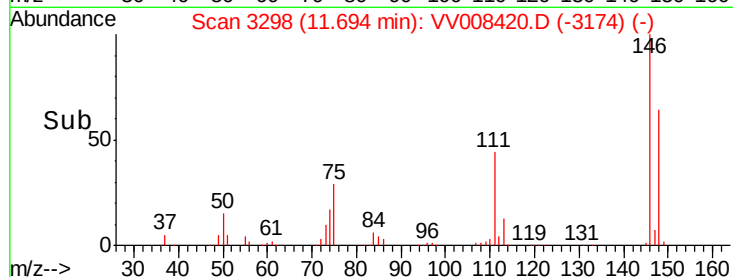
148 64.4 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 47.968 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

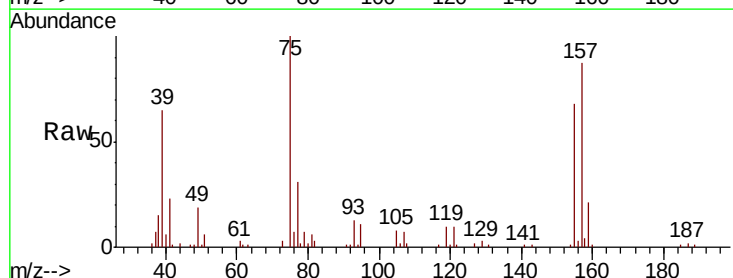
Tgt Ion: 75 Resp: 29003

Ion Ratio Lower Upper

75 100

155 68.4 55.4 83.0

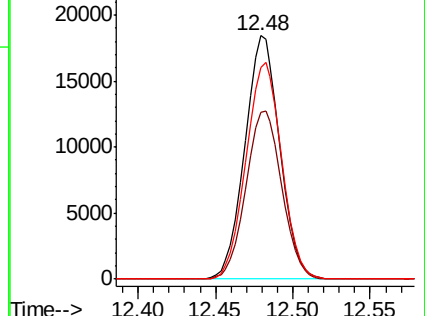
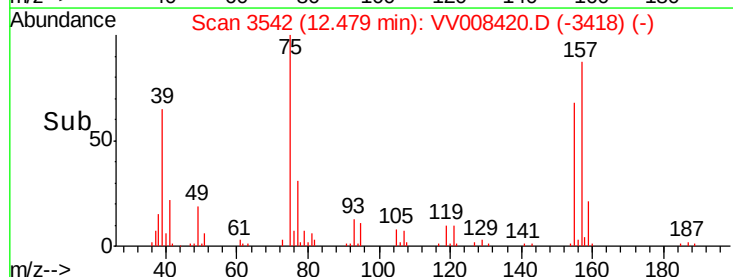
157 86.9 72.8 109.2

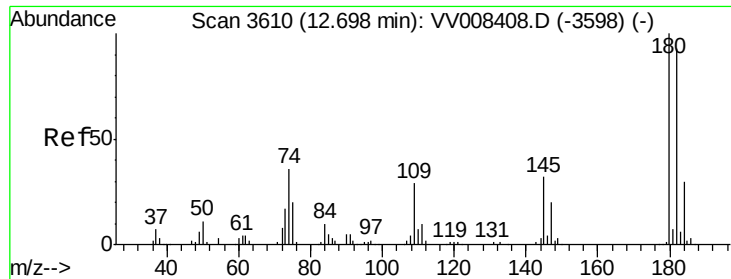


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

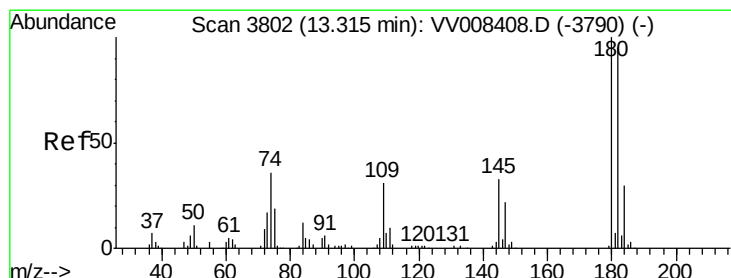
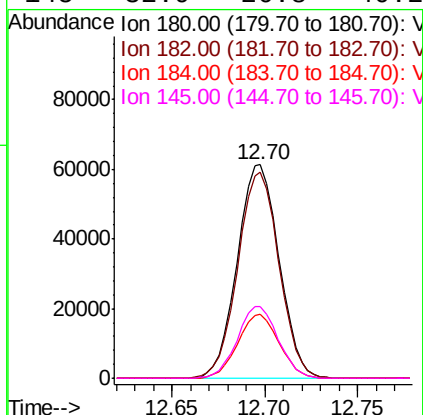
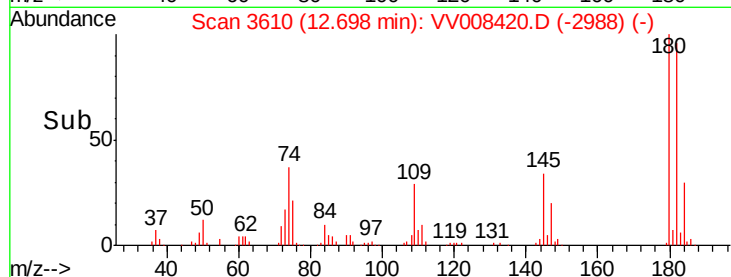
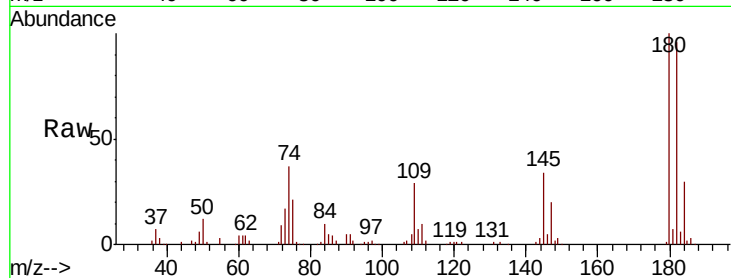




#67
 1,3,5-Trichlorobenzene
 Concen: 50.980 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

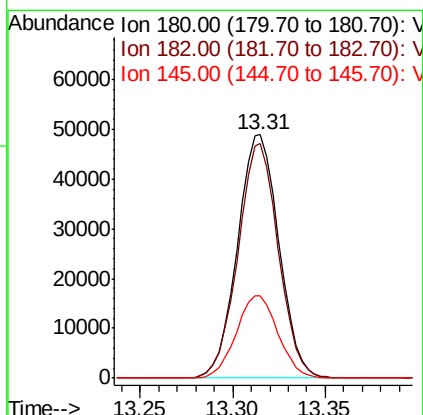
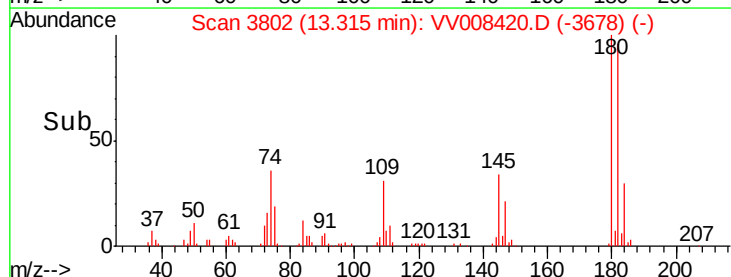
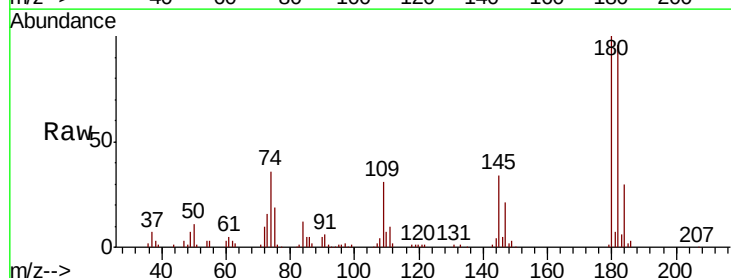
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

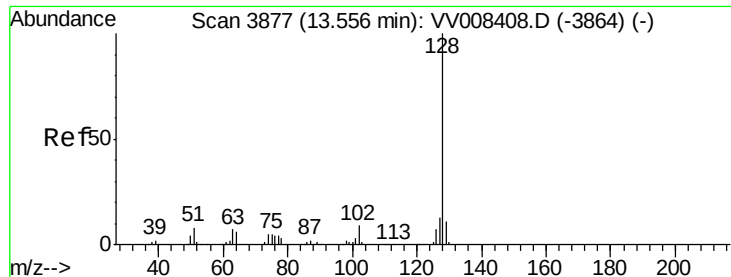
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
184	29.4	24.1	36.1
145	32.9	26.8	40.2



#68
 1,2,4-trichlorobenzene
 Concen: 49.706 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008420.D
 Acq: 25 Oct 2018 19:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.4	113.2
145	34.2	27.0	40.6





#69

Naphthalene

Concen: 46.050 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

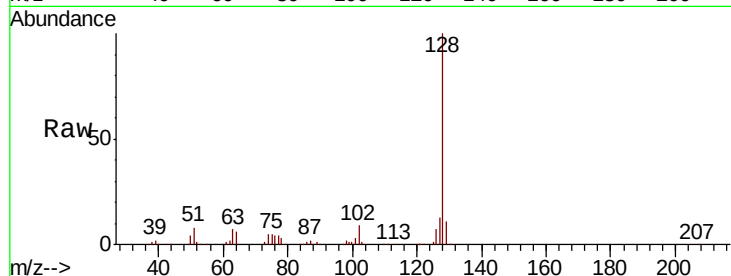
Tgt Ion:128 Resp: 226884

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

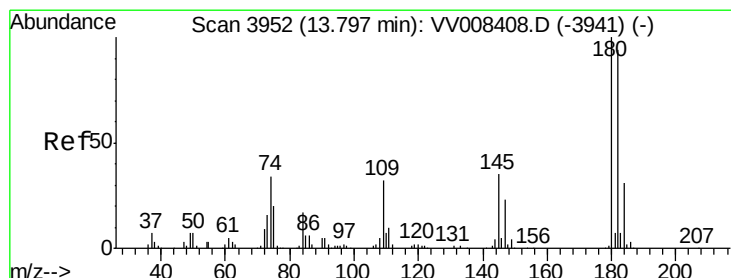
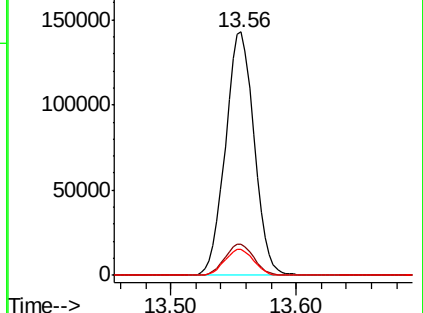
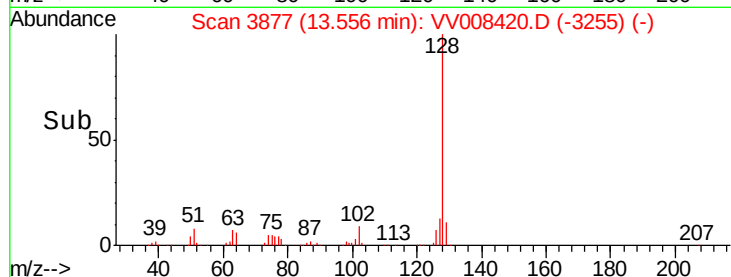
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.987 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008420.D

Acq: 25 Oct 2018 19:50

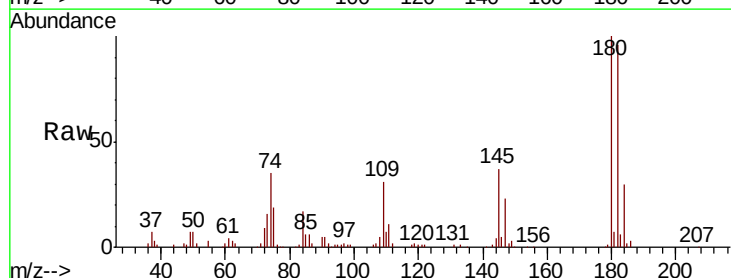
Tgt Ion:180 Resp: 76116

Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

145 36.3 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

