

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062118\
 Data File : VV006403.D
 Acq On : 21 Jun 2018 20:10
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Quant Time: Jun 22 01:27:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 01:25:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	293911	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	273012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133404	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96553	6.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.40%
7) Chloroethane-d5	1.58	69	79133	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.13	63	173186	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.00%
20) 2-Butanone-d5	3.97	46	229309	67.28	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.56%#
24) Chloroform-d	4.41	84	170459	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.09	65	84410	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.11	84	351717	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.12	67	105839	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.37	98	335885	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
43) trans-1,3-Dichloropropene-	7.67	79	36703	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	196200	51.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.98%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74986	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	125720	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96895	4.329 ug/L	98
3) Chloromethane	1.26	50	117687	6.286 ug/L	100
5) Vinyl chloride	1.32	62	129699	5.722 ug/L	99
6) Bromomethane	1.54	94	72057	5.984 ug/L	97
8) Chloroethane	1.60	64	79000	6.235 ug/L	99
9) Trichlorofluoromethane	1.77	101	158680	5.396 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102184	5.630 ug/L	99
12) 1,1-Dichloroethene	2.14	96	95507	5.662 ug/L	96
13) Acetone	2.22	43	138346	74.904 ug/L	94
14) Carbon disulfide	2.32	76	231892	4.104 ug/L	100
15) Methyl Acetate	2.47	43	39268	7.144 ug/L	97
16) Methylene chloride	2.54	84	104034	5.587 ug/L	100
17) Methyl tert-butyl Ether	2.82	73	240768	5.769 ug/L	97
18) trans-1,2-Dichloroethene	2.80	96	103279	5.612 ug/L	97
19) 1,1-Dichloroethane	3.23	63	180638	5.836 ug/L	99
21) 2-Butanone	4.06	43	229721	68.367 ug/L	92
22) cis-1,2-Dichloroethene	3.97	96	112799	5.665 ug/L #	97

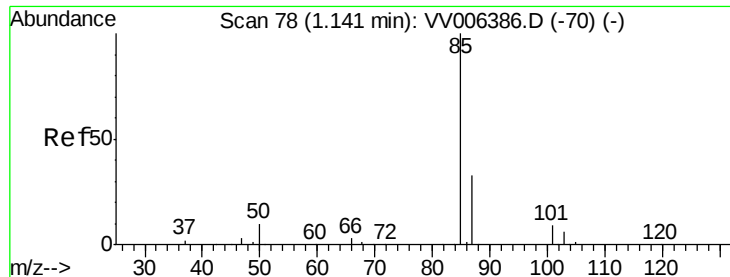
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	46647	5.840	ug/L	97
25) Chloroform	4.44	83	185399	5.800	ug/L	97
27) 1,2-Dichloroethane	5.19	62	108506	5.912	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	149701	4.963	ug/L	100
30) Cyclohexane	4.73	56	157243	5.069	ug/L	97
31) Carbon tetrachloride	4.88	117	125268	4.709	ug/L	100
33) Benzene	5.15	78	418039	5.554	ug/L	100
34) Trichloroethene	5.96	95	114816	5.588	ug/L	99
35) Methylcyclohexane	6.18	83	181205	5.131	ug/L	100
37) 1,2-Dichloropropane	6.23	63	102136	5.664	ug/L	99
38) Bromodichloromethane	6.56	83	110169	4.588	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	137935	4.693	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	550142	58.985	ug/L	99
42) Toluene	7.44	91	452203	5.443	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	107121	4.493	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	74278	5.820	ug/L	99
47) Tetrachloroethene	8.02	164	91158	5.544	ug/L	99
48) 2-Hexanone	8.19	43	410023	62.552	ug/L	99
49) Dibromochloromethane	8.30	129	71958	4.478	ug/L	98
50) 1,2-Dibromoethane	8.40	107	67846	5.705	ug/L	100
51) Chlorobenzene	8.93	112	295637	5.542	ug/L	99
52) Ethylbenzene	9.06	91	486583	5.257	ug/L	99
53) m,p-xylene	9.19	106	190545	5.277	ug/L	99
54) o-xylene	9.59	106	185894	5.264	ug/L	99
55) Styrene	9.61	104	311484	5.362	ug/L	97
56) Isopropylbenzene	9.98	105	487108	5.238	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	73875	5.053	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	60577	5.962	ug/L	99
61) Bromoform	9.78	173	34678	3.831	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	226266	5.384	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	227025	5.461	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	217254	5.603	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8880	3.485	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	173555	5.365	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	134547	5.379	ug/L	99
69) Naphthalene	13.56	128	212630	5.052	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127521	5.549	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.329 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006403.D

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MSVOA_V

ClientSampleId :

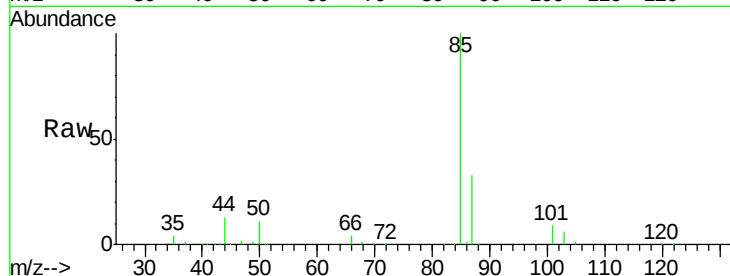
VSTD00577

Tgt Ion: 85 Resp: 96895

Ion Ratio Lower Upper

85 100

87 33.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV006403.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006403.D (-1) (-)

120000

100000

80000

60000

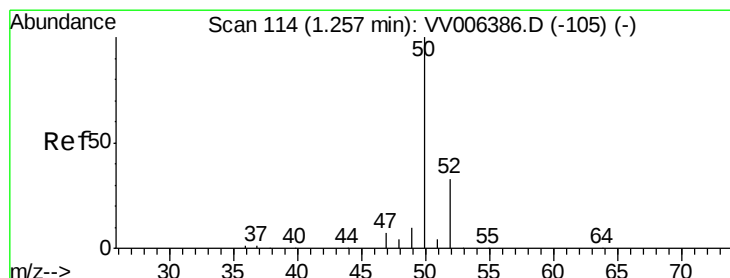
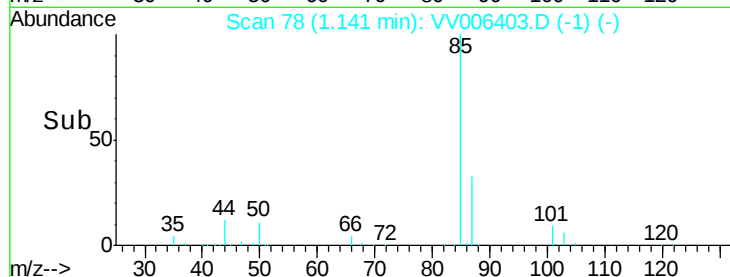
40000

20000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 6.286 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006403.D

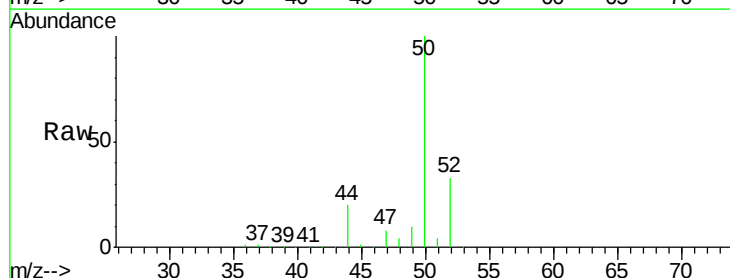
Acq: 21 Jun 2018 20:10

Tgt Ion: 50 Resp: 117687

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV006403.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006403.D (-21) (-)

60000

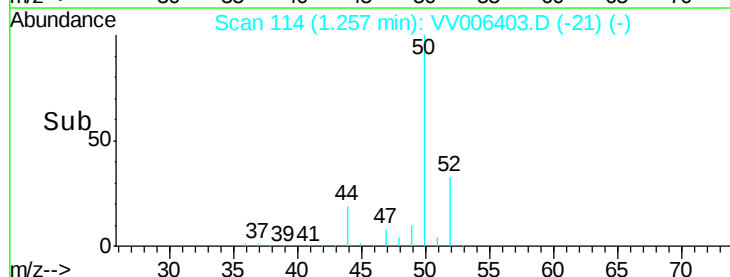
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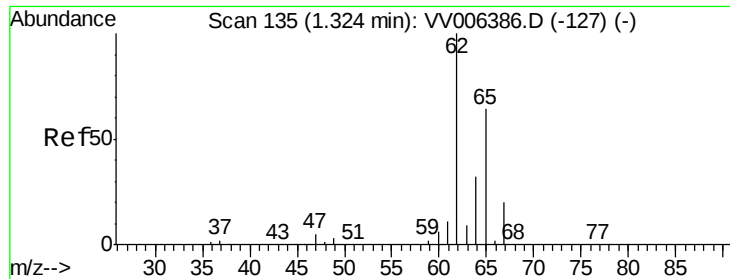
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.722 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

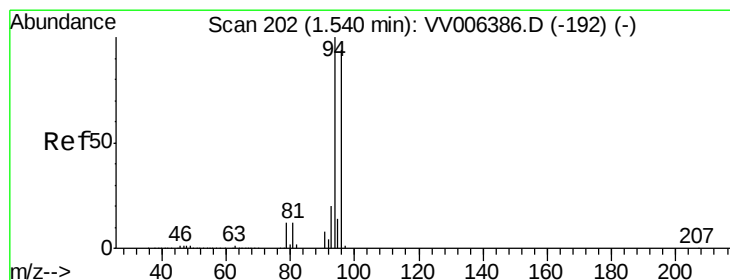
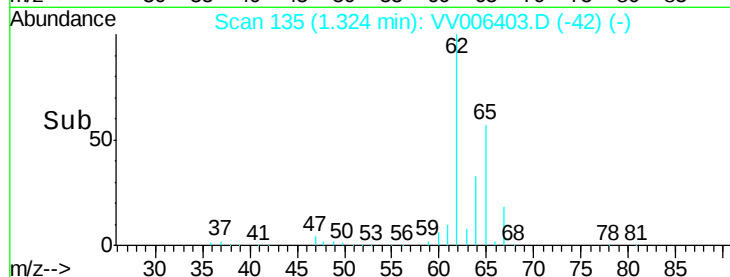
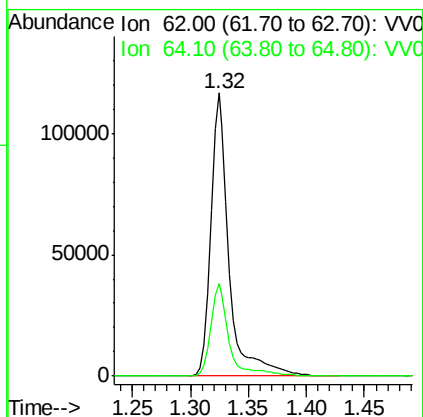
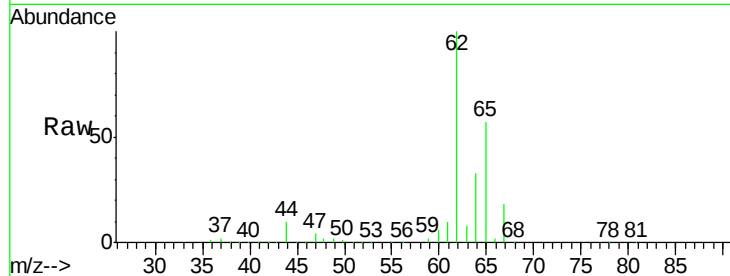
VSTD00577

Tgt Ion: 62 Resp: 129699

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 5.984 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006403.D

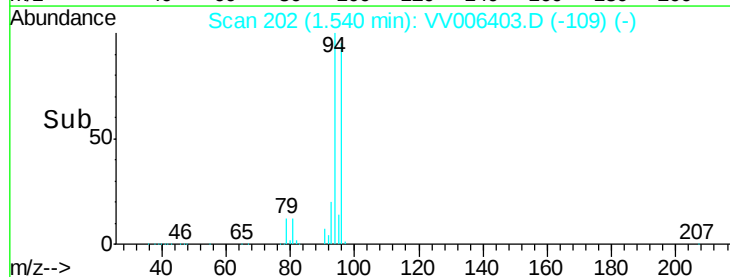
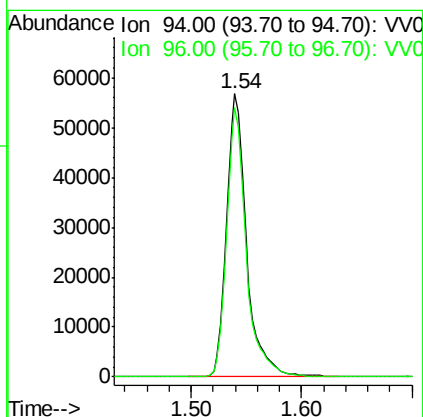
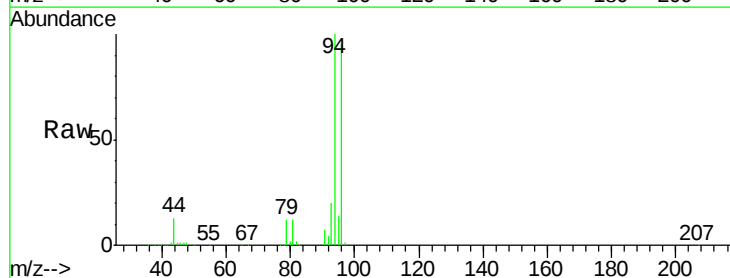
Acq: 21 Jun 2018 20:10

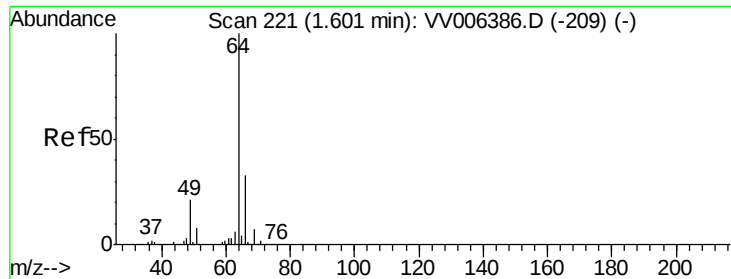
Tgt Ion: 94 Resp: 72057

Ion Ratio Lower Upper

94 100

96 95.1 68.9 127.9





#8

Chloroethane

Concen: 6.235 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

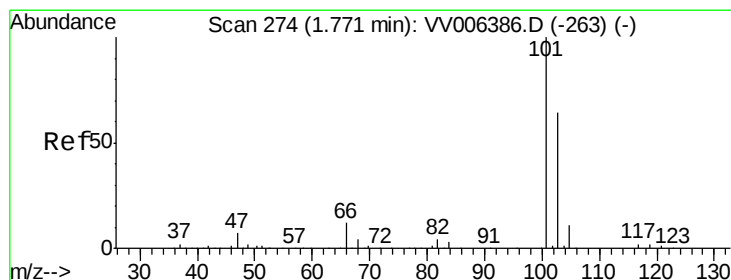
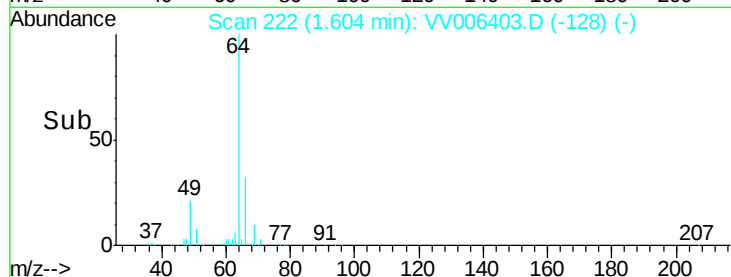
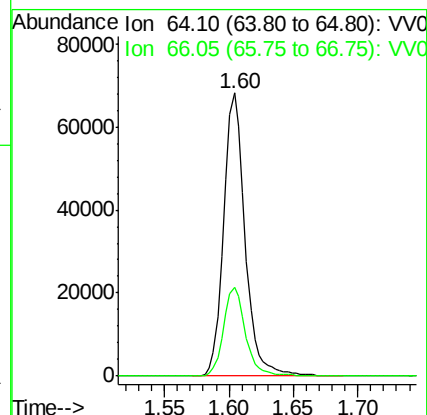
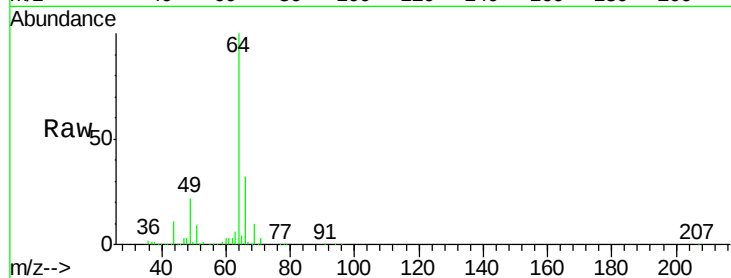
VSTD00577

Tgt Ion: 64 Resp: 79000

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 5.396 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006403.D

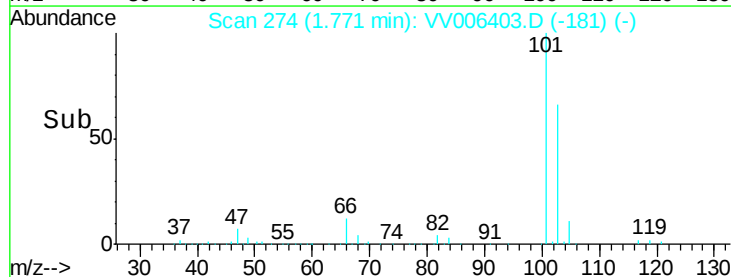
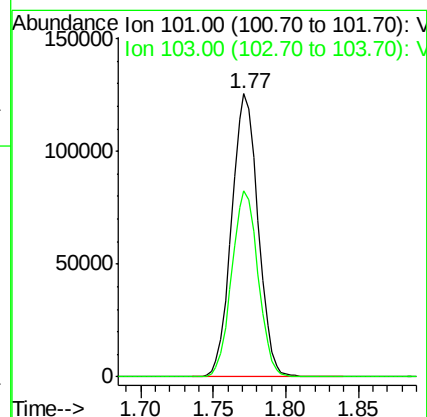
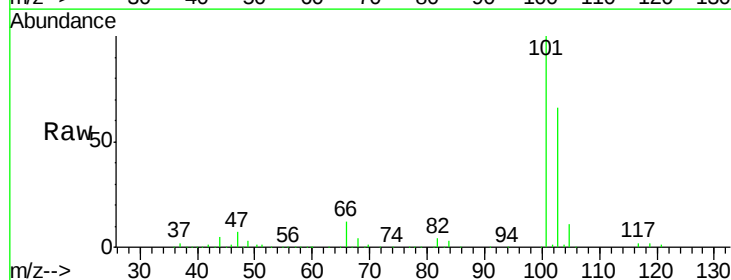
Acq: 21 Jun 2018 20:10

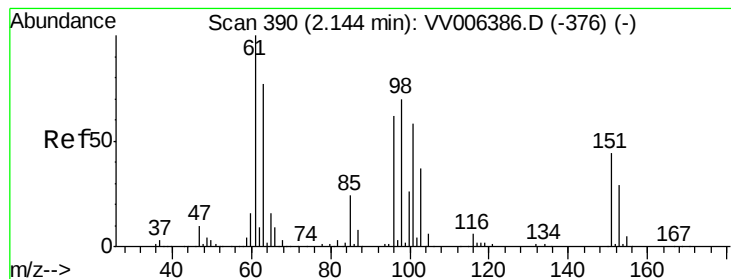
Tgt Ion: 101 Resp: 158680

Ion Ratio Lower Upper

101 100

103 65.7 52.0 78.0





#10

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

Concen: 5.630 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

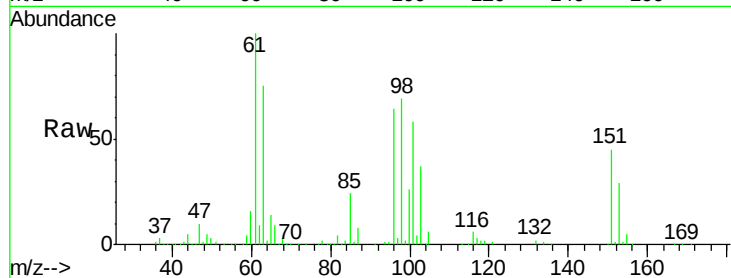
Tgt Ion: 101 Resp: 102184

Ion Ratio Lower Upper

101 100

85 41.5 32.6 49.0

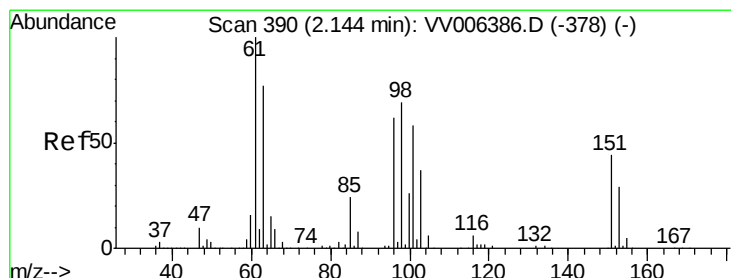
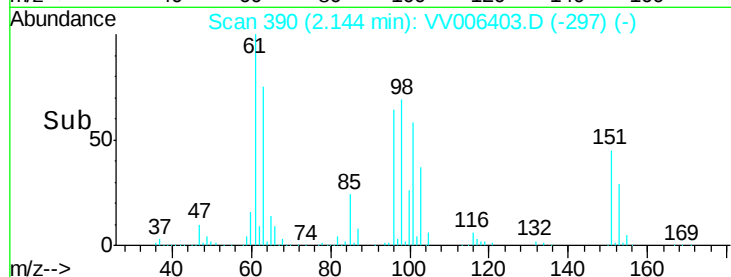
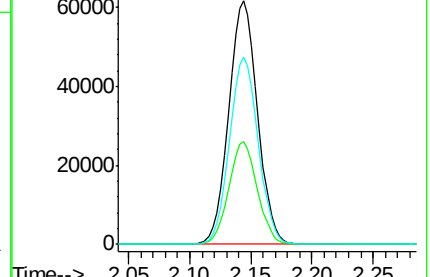
151 76.6 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006386.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006386.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV006386.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 5.662 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

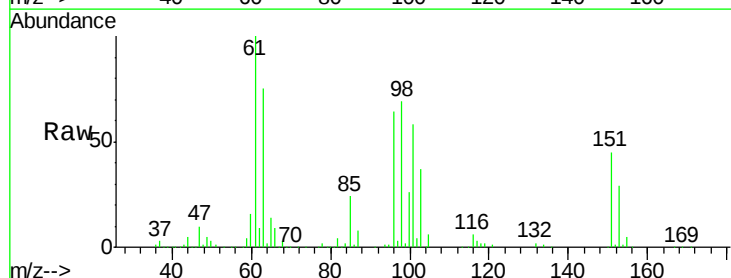
Tgt Ion: 96 Resp: 95507

Ion Ratio Lower Upper

96 100

61 157.1 114.2 212.2

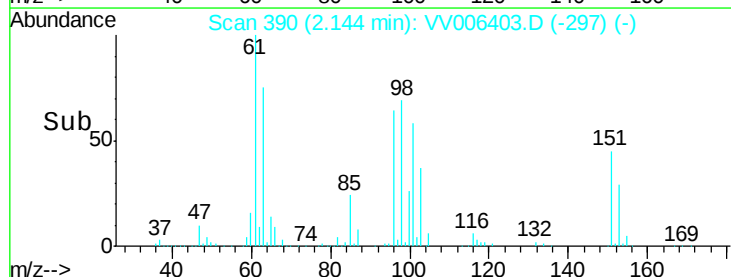
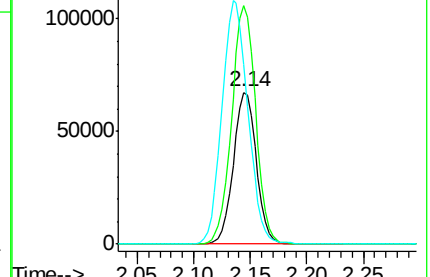
63 118.0 85.0 157.8

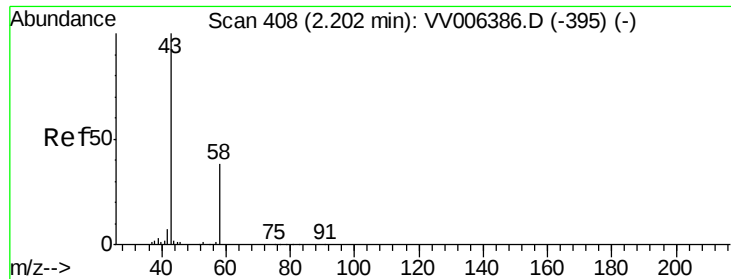


Abundance Ion 96.00 (95.70 to 96.70): VV006386.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV006386.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VV006386.D (-378) (-)





#13

Acetone

Concen: 74.904 ug/L

RT: 2.22 min Scan# 413

Delta R.T. 0.02 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

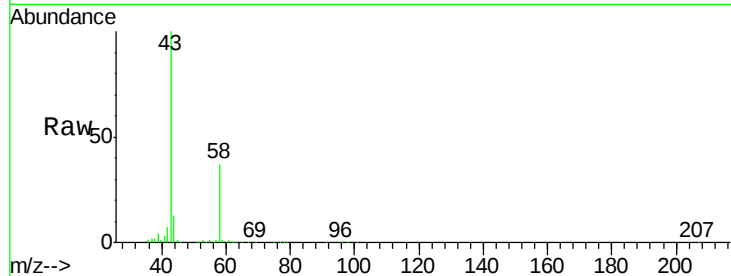
VSTD00577

Tgt Ion: 43 Resp: 138346

Ion Ratio Lower Upper

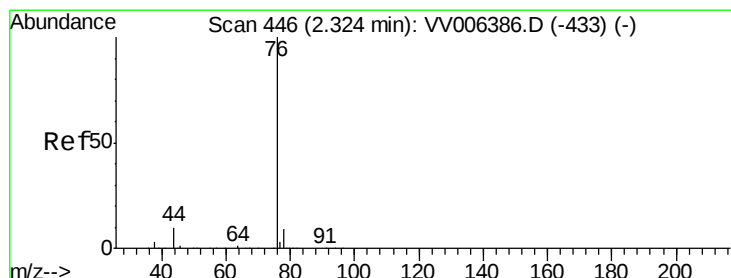
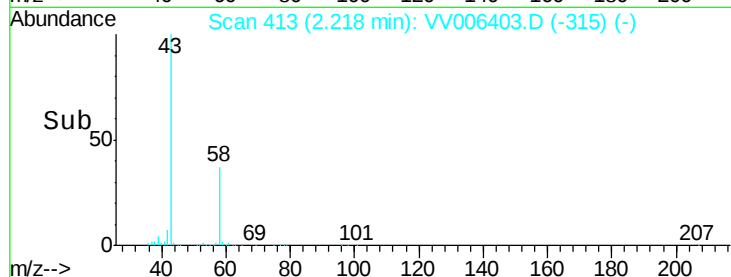
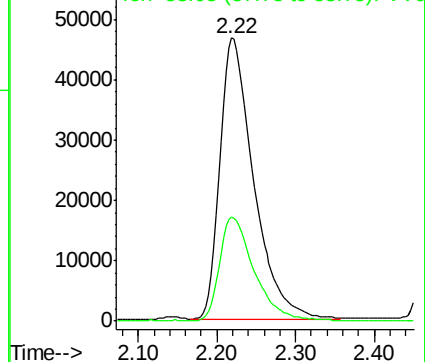
43 100

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: 4.104 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006403.D

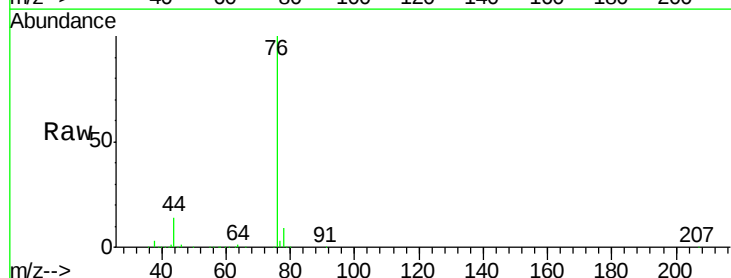
Acq: 21 Jun 2018 20:10

Tgt Ion: 76 Resp: 231892

Ion Ratio Lower Upper

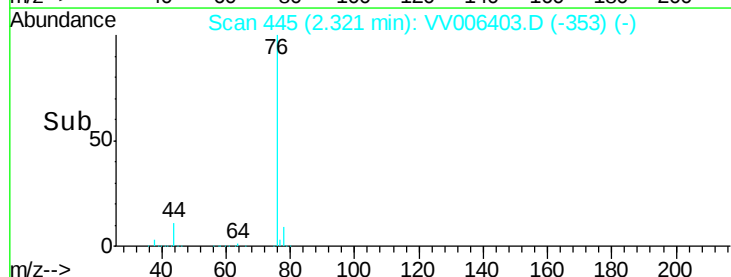
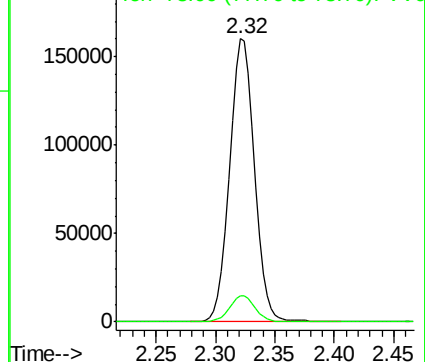
76 100

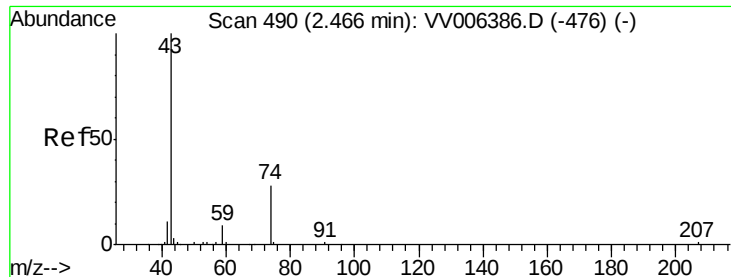
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 7.144 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.01 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

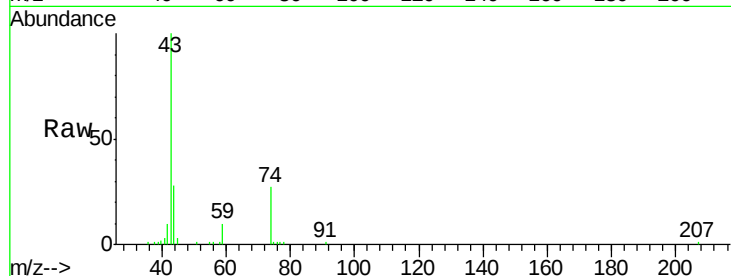
VSTD00577

Tgt Ion: 43 Resp: 39268

Ion Ratio Lower Upper

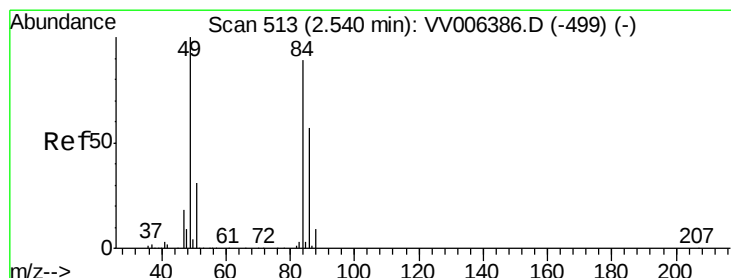
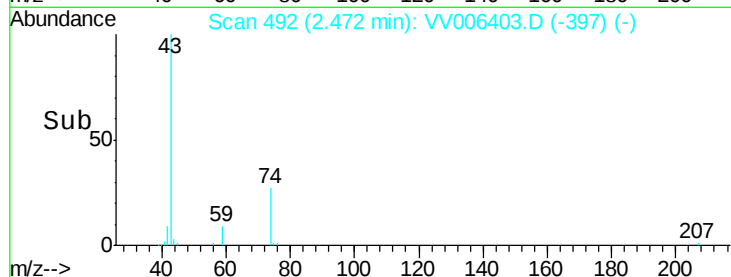
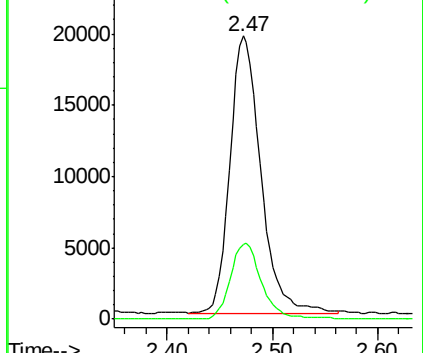
43 100

74 27.5 23.4 35.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.587 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

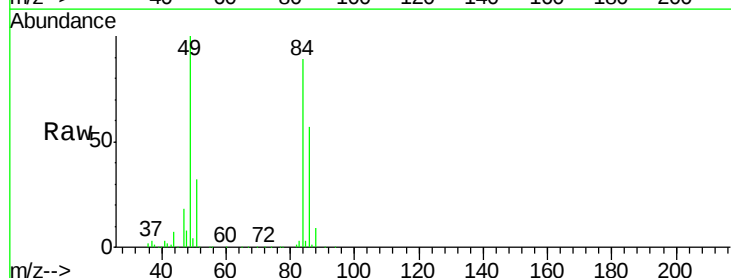
Tgt Ion: 84 Resp: 104034

Ion Ratio Lower Upper

84 100

86 63.6 44.2 82.0

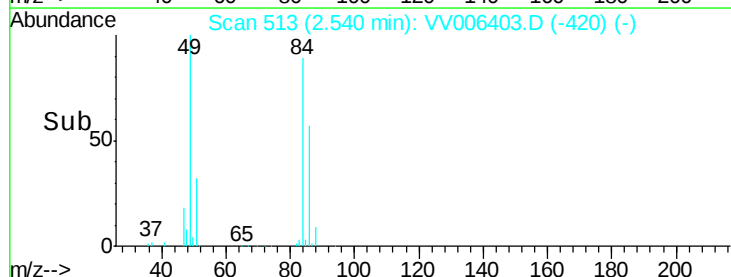
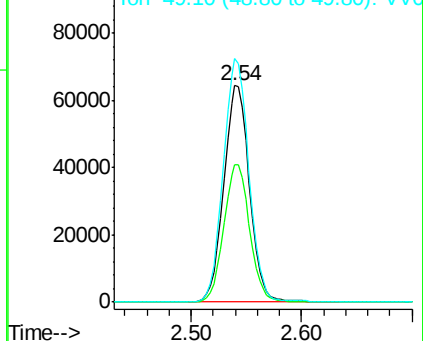
49 112.4 78.8 146.4

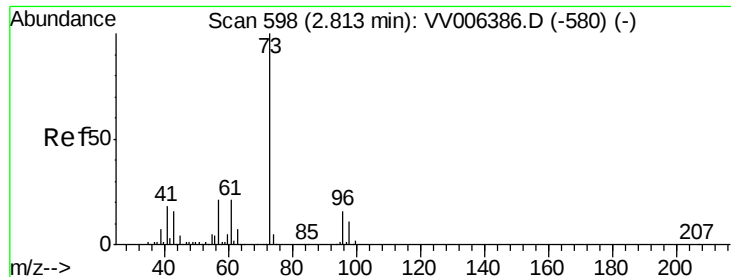


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.769 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

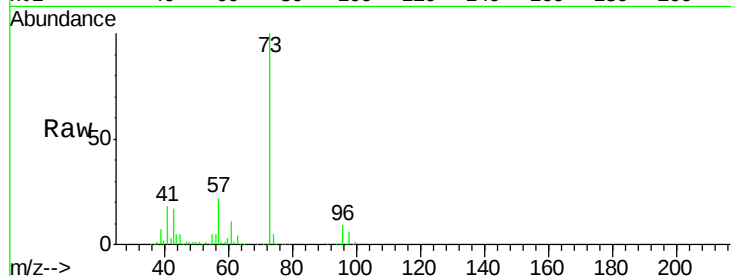
Tgt Ion: 73 Resp: 240768

Ion Ratio Lower Upper

73 100

43 16.5 14.2 21.4

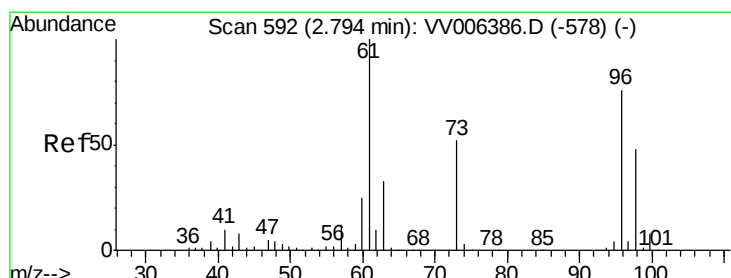
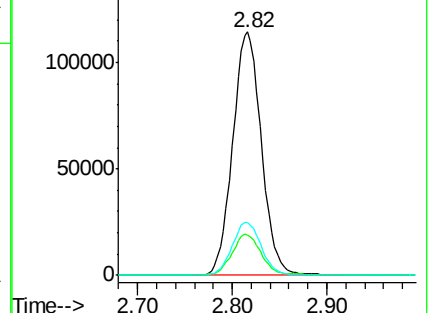
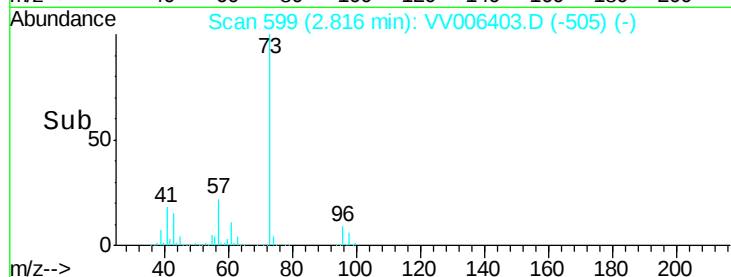
57 22.1 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006403.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006403.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006403.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.612 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

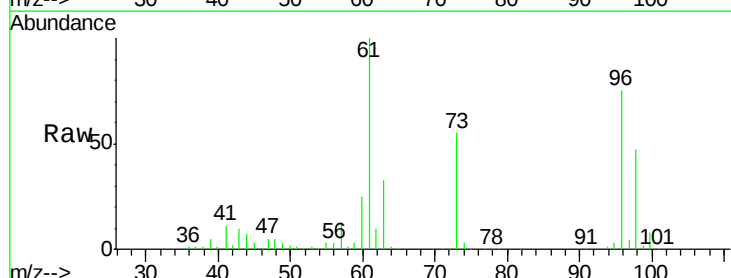
Tgt Ion: 96 Resp: 103279

Ion Ratio Lower Upper

96 100

61 134.1 96.3 178.9

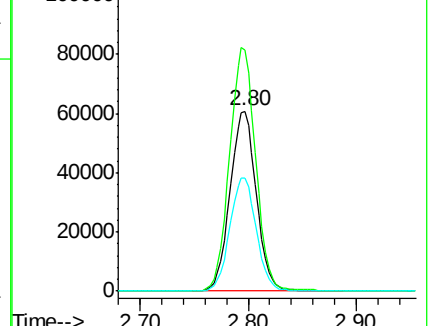
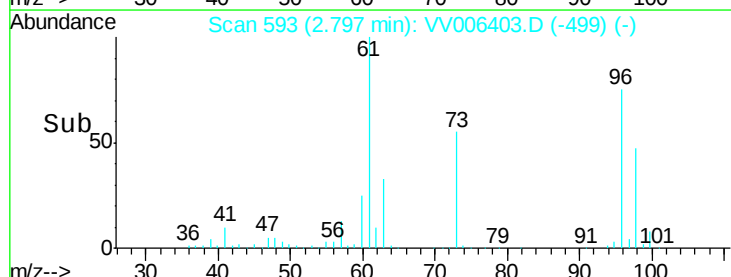
98 63.2 45.4 84.2

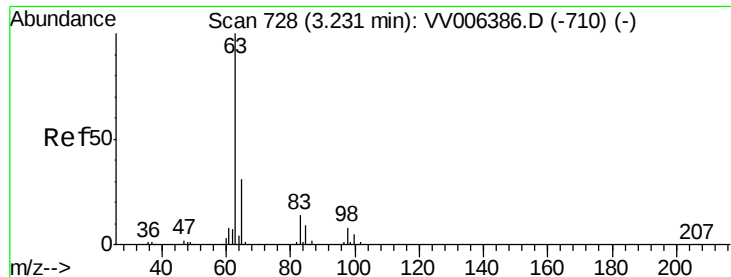


Abundance Ion 96.00 (95.70 to 96.70): VV006403.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006403.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006403.D (-499) (-)

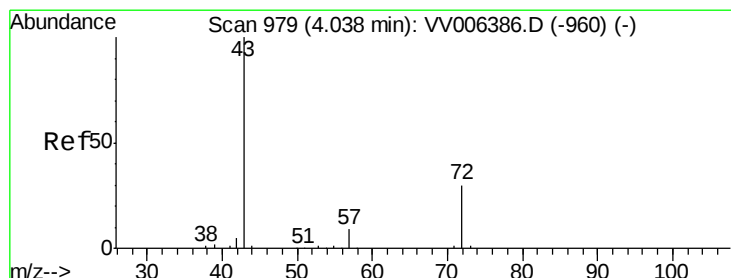
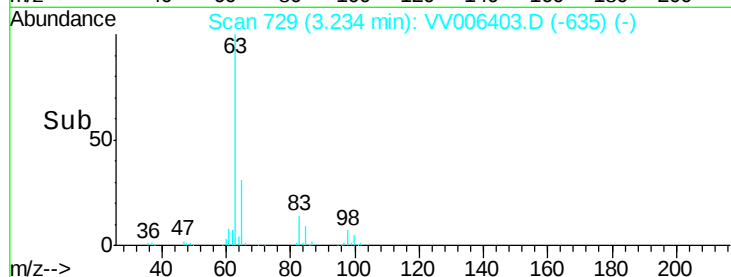
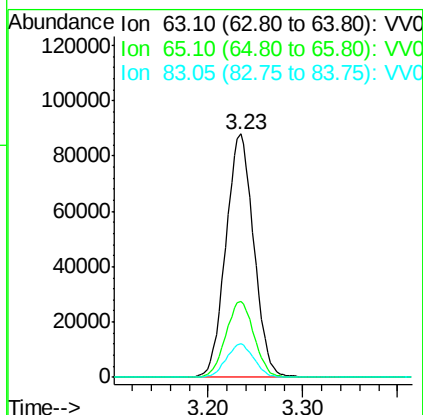
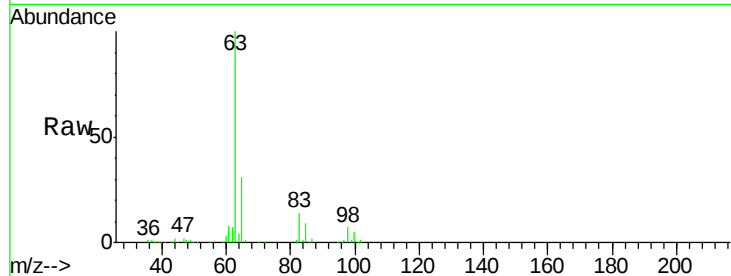




#19
 1,1-Dichloroethane
 Concen: 5.836 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

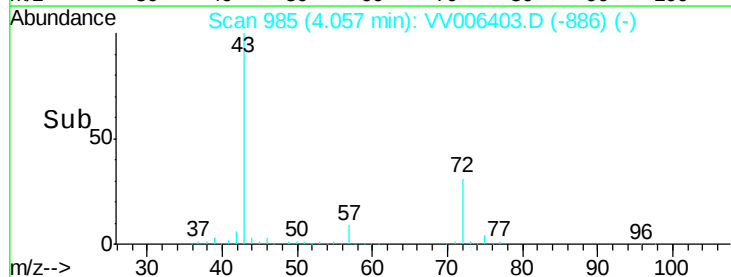
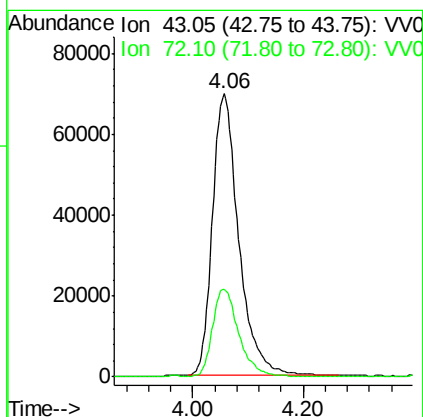
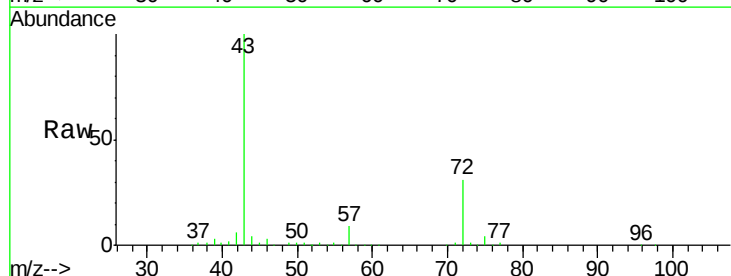
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

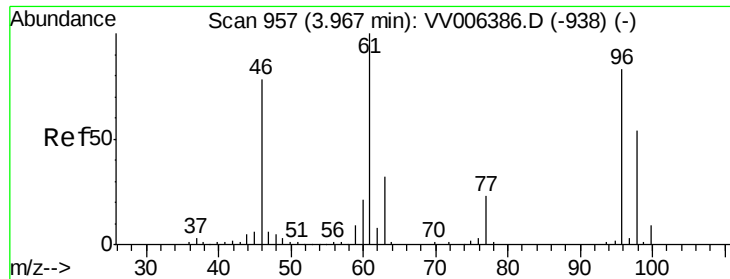
Tgt Ion: 63 Resp: 180638
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.3 41.3
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 68.367 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.02 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 43 Resp: 229721
 Ion Ratio Lower Upper
 43 100
 72 31.6 13.8 41.3



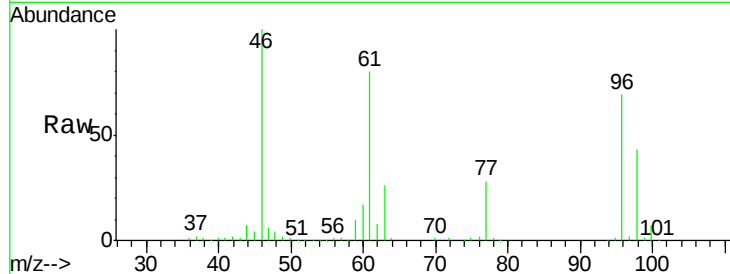


#22

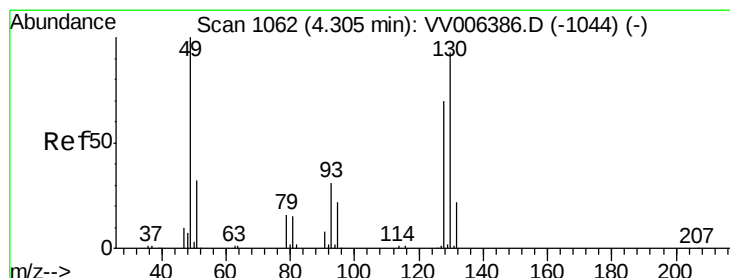
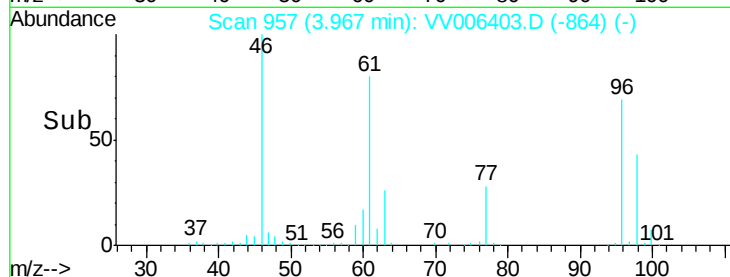
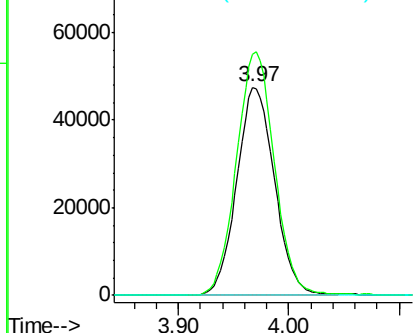
cis-1,2-Dichloroethene
 Concen: 5.665 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion: 96 Resp: 112799
 Ion Ratio Lower Upper
 96 100
 61 116.3 84.1 156.3
 68 0.0 0.3 0.5#



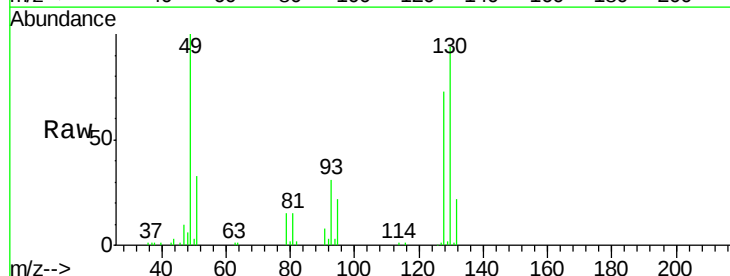
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



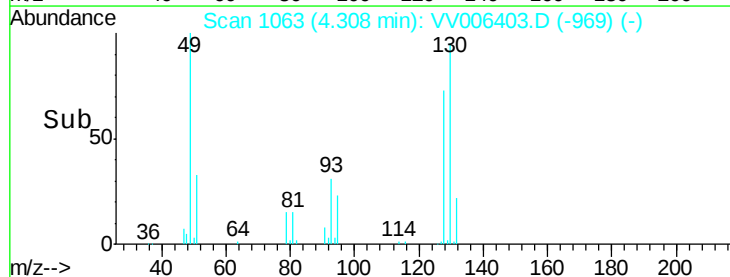
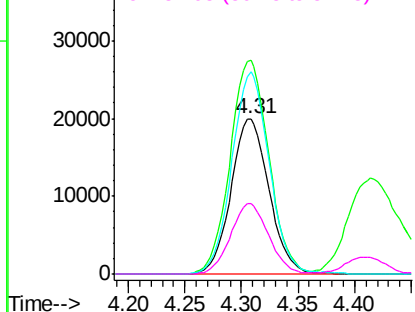
#23

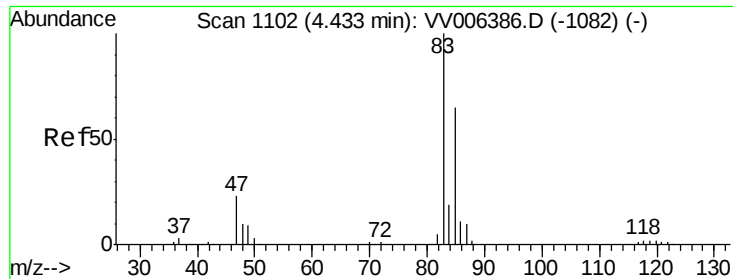
Bromochloromethane
 Concen: 5.840 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 128 Resp: 46647
 Ion Ratio Lower Upper
 128 100
 49 137.5 97.1 180.3
 130 129.8 86.6 160.8
 51 45.2 35.9 53.9



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

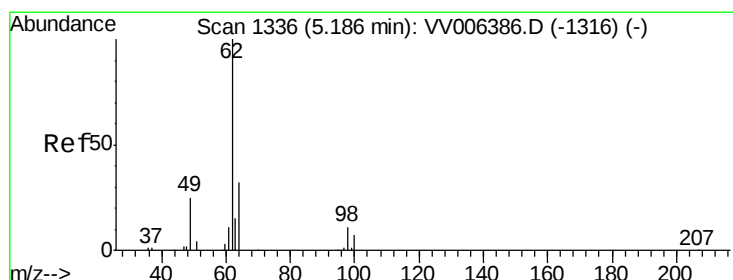
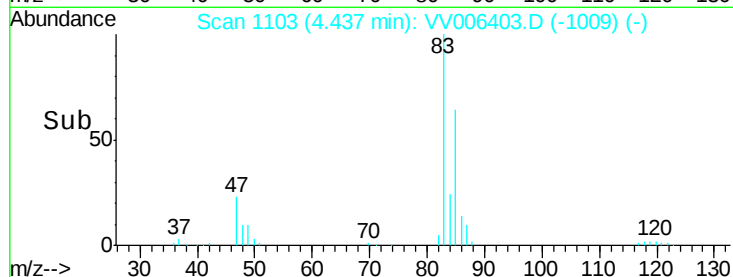
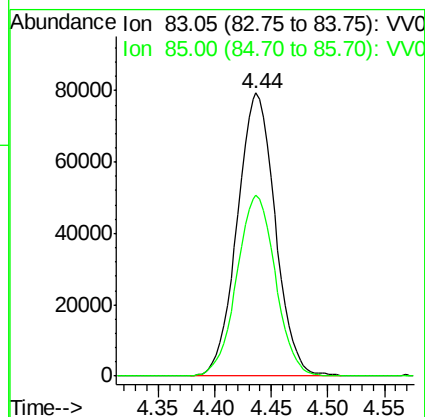
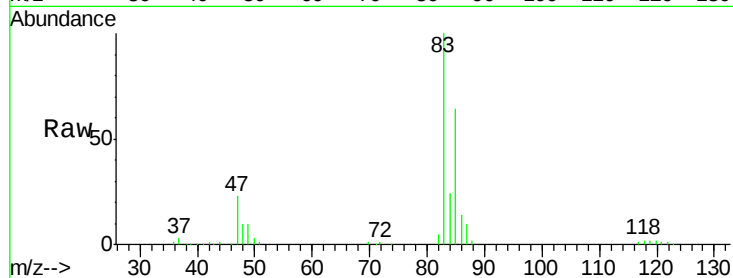




#25
Chloroform
Concen: 5.800 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

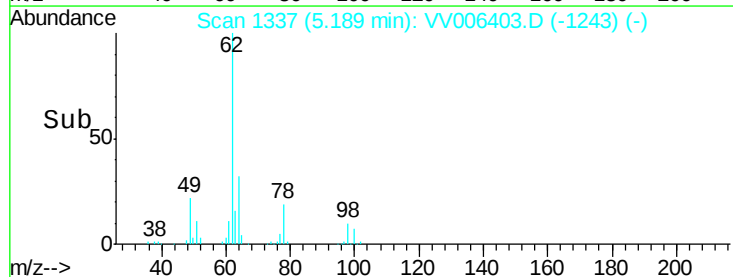
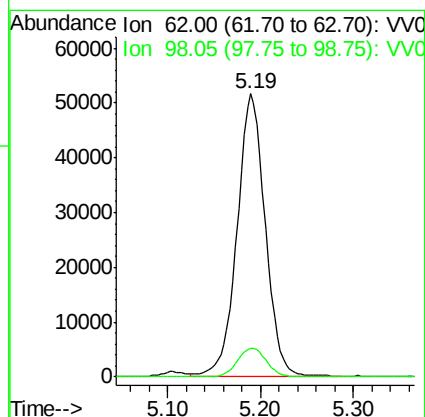
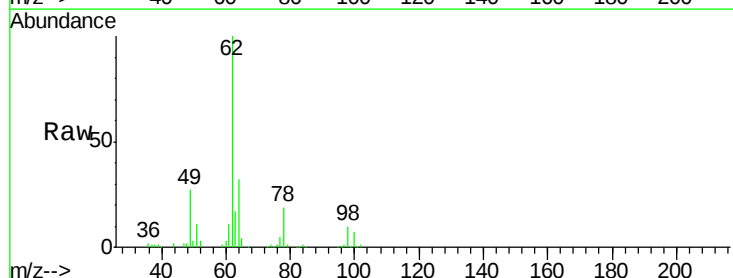
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

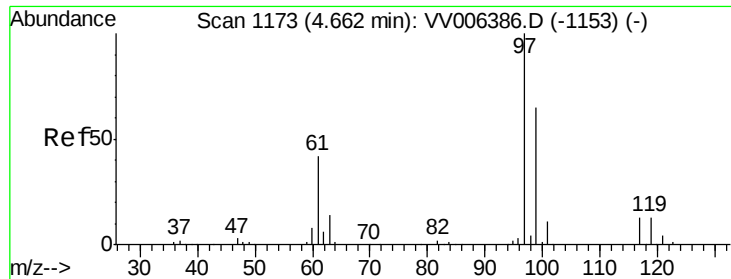
Tgt Ion: 83 Resp: 185399
Ion Ratio Lower Upper
83 100
85 63.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.912 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

Tgt Ion: 62 Resp: 108506
Ion Ratio Lower Upper
62 100
98 10.3 8.6 12.8

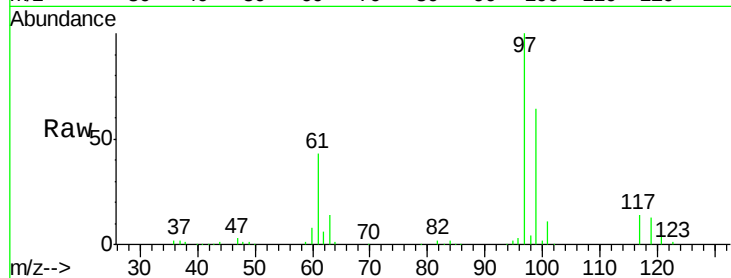




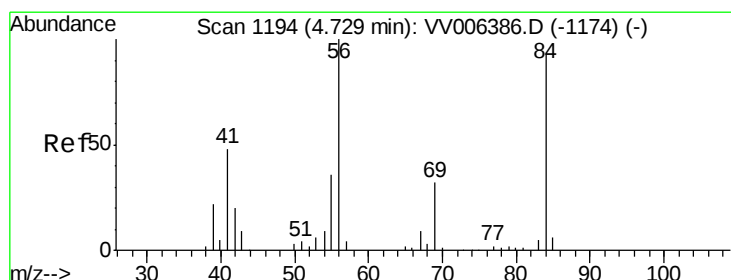
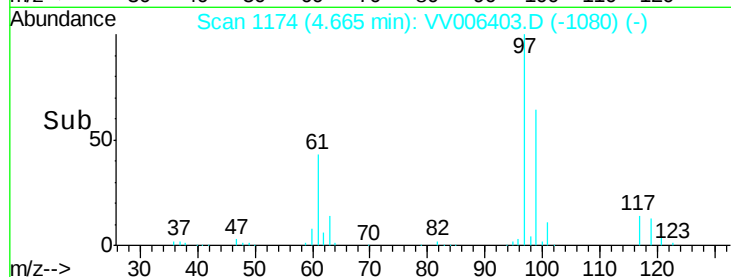
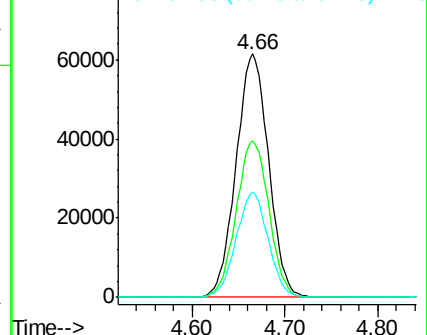
#29
 1,1,1-Trichloroethane
 Concen: 4.963 ug/L
 RT: 4.66 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion: 97 Resp: 149701
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 42.4 33.7 50.5

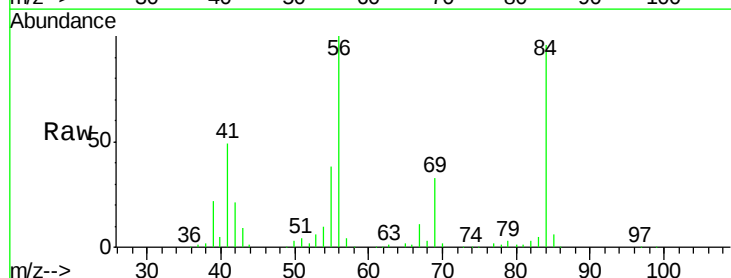


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

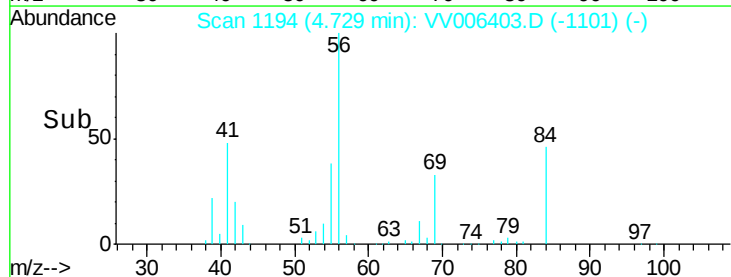
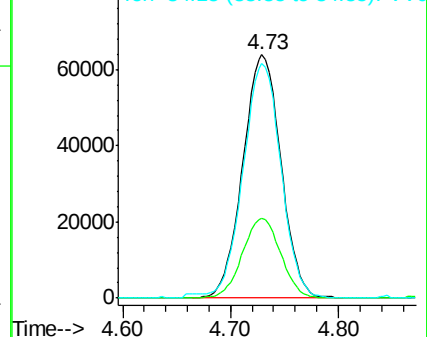


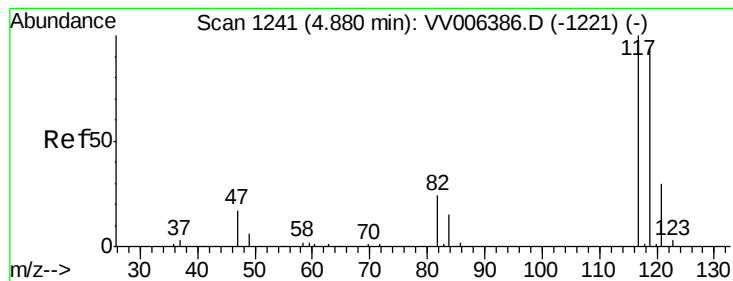
#30
 Cyclohexane
 Concen: 5.069 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 56 Resp: 157243
 Ion Ratio Lower Upper
 56 100
 69 32.9 26.4 39.6
 84 95.3 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: 4.709 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

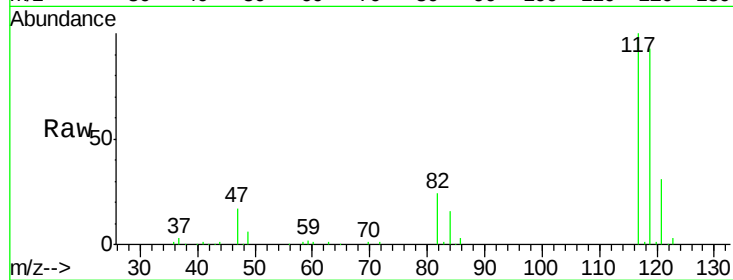
VSTD00577

Tgt Ion:117 Resp: 125268

Ion Ratio Lower Upper

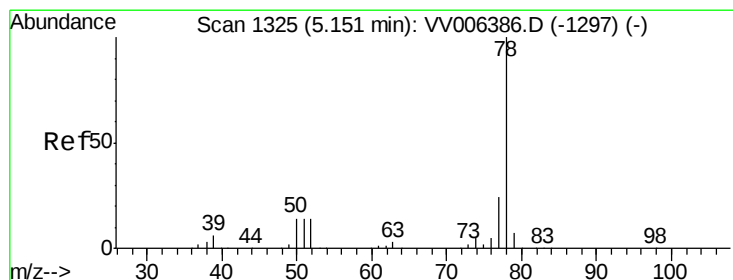
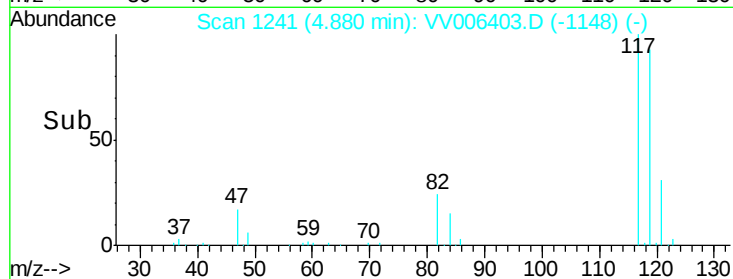
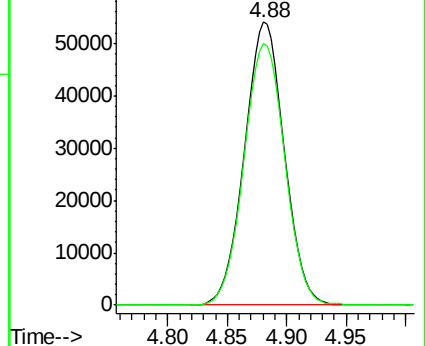
117 100

119 95.1 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: 5.554 ug/L

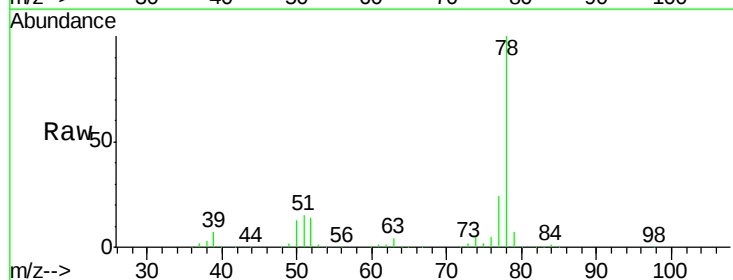
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

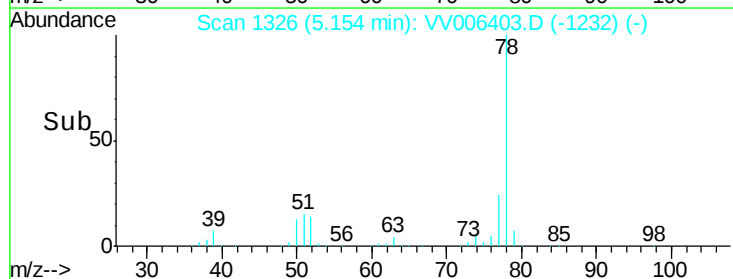
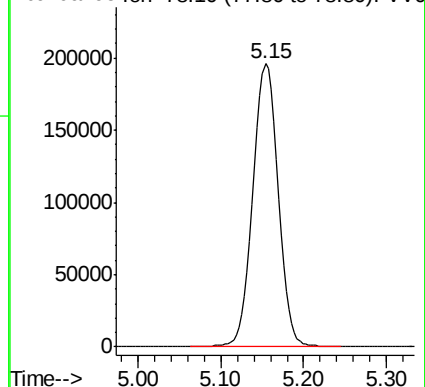
Lab File: VV006403.D

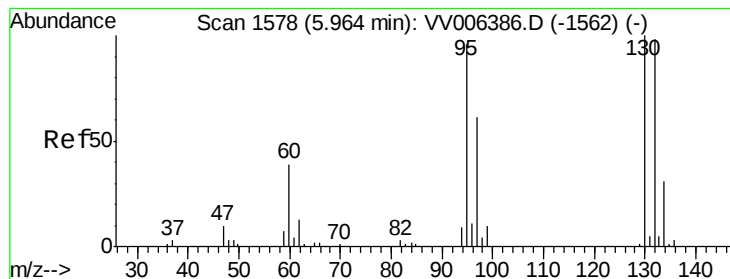
Acq: 21 Jun 2018 20:10

Tgt Ion: 78 Resp: 418039



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.588 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

Tgt Ion: 95 Resp: 114816

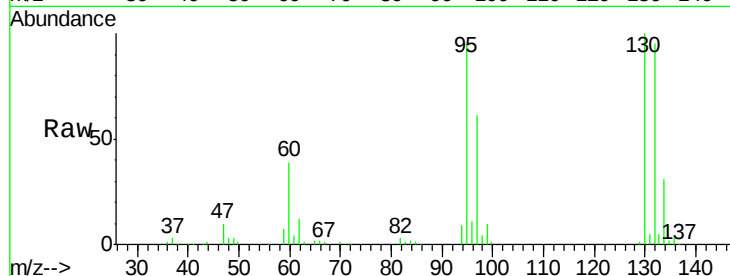
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 99.5 69.0 128.1

130 104.8 72.8 135.2

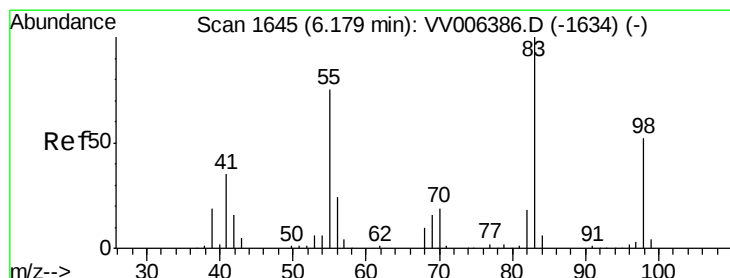
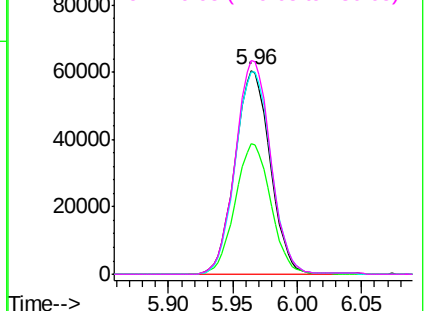
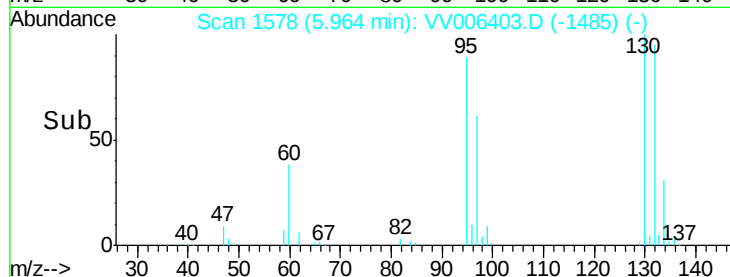


Abundance Ion 95.00 (94.70 to 95.70): VV006403.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006403.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006403.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006403.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.131 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

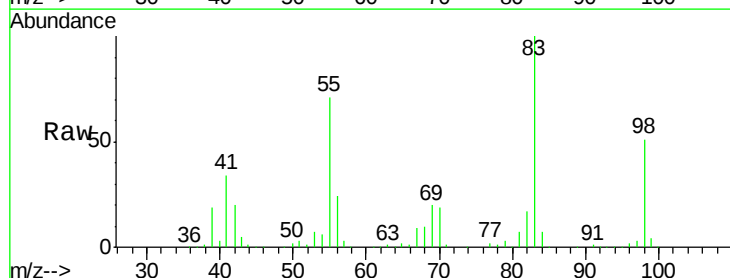
Tgt Ion: 83 Resp: 181205

Ion Ratio Lower Upper

83 100

55 71.5 57.5 86.3

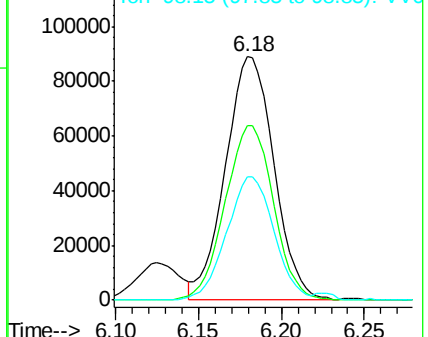
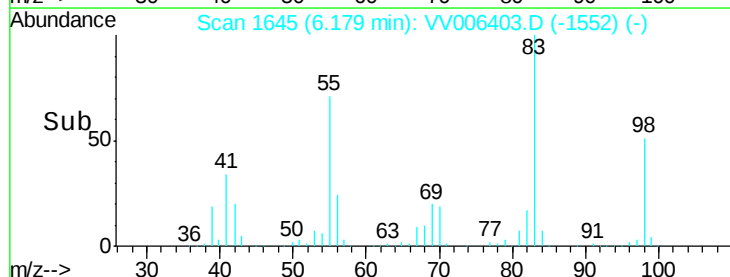
98 49.5 39.8 59.8

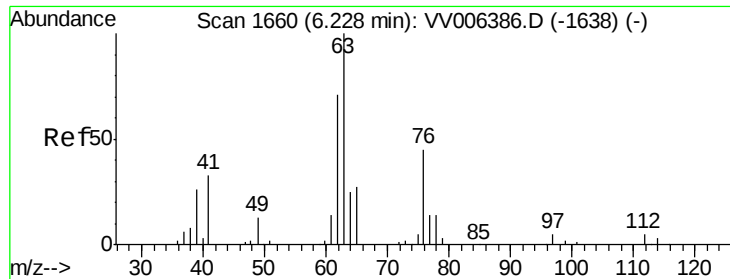


Abundance Ion 83.15 (82.85 to 83.85): VV006403.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006403.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006403.D (-1552) (-)

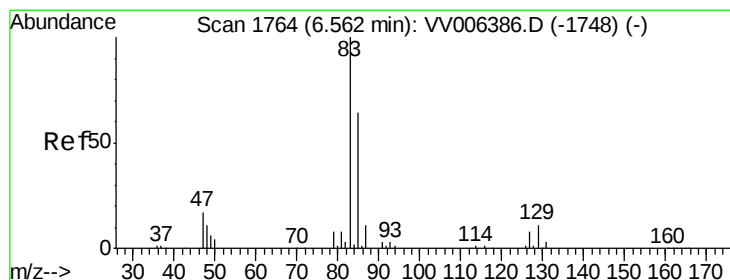
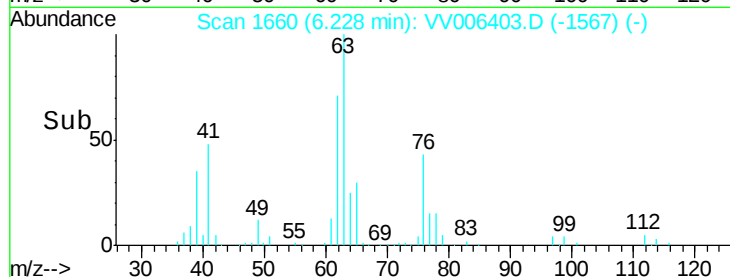
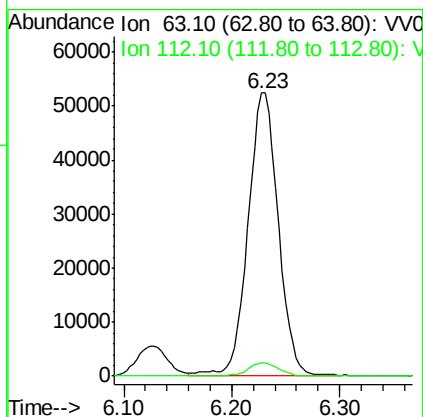
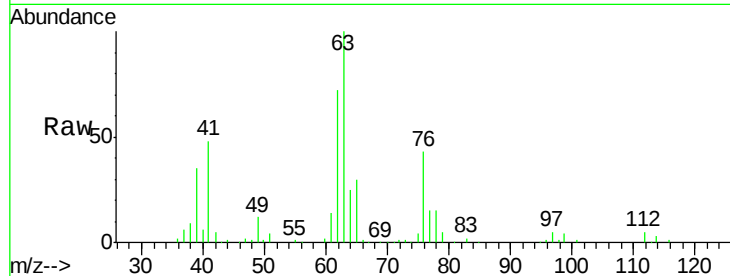




#37
 1,2-Dichloropropane
 Concen: 5.664 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

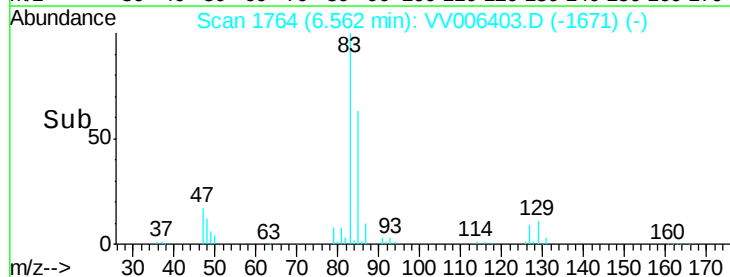
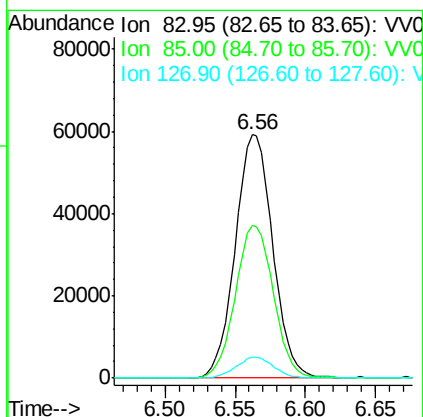
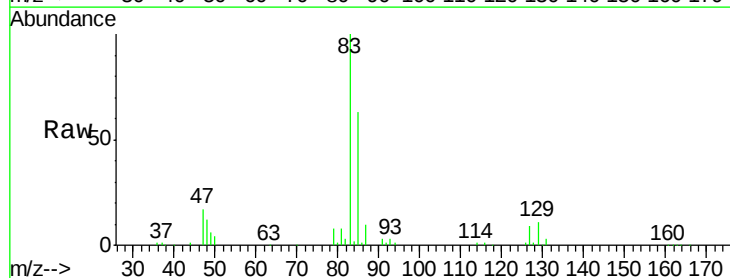
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

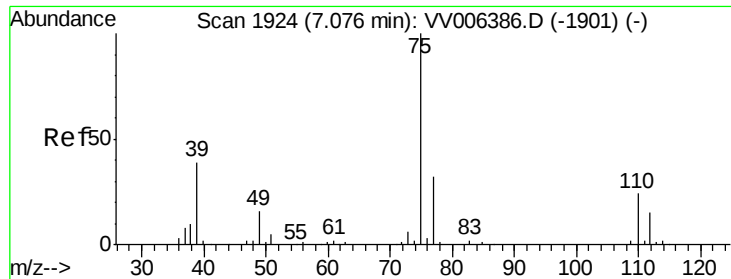
Tgt Ion: 63 Resp: 102136
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.588 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 83 Resp: 110169
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.9 83.5
 127 8.6 7.0 10.4

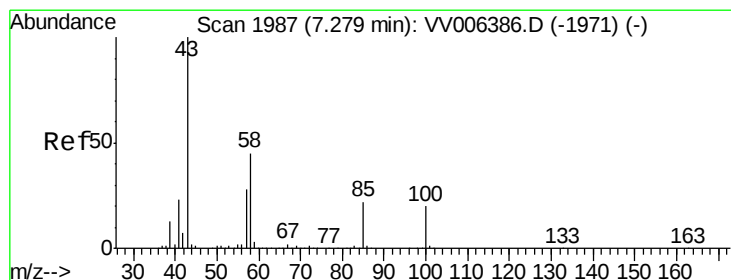
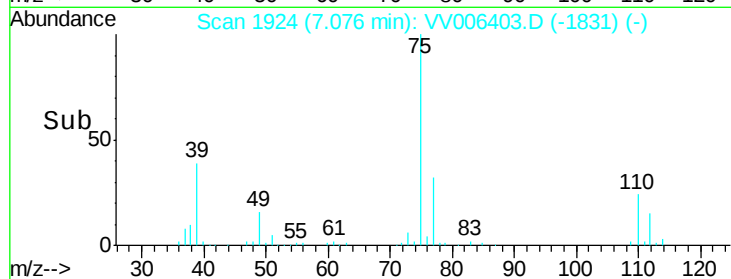
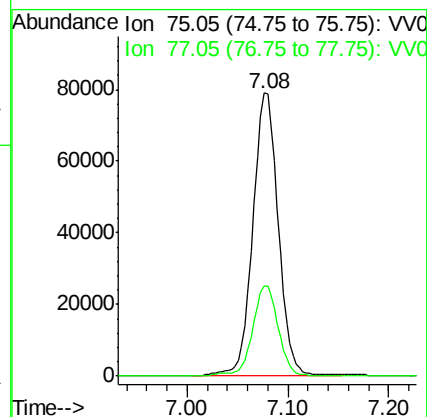
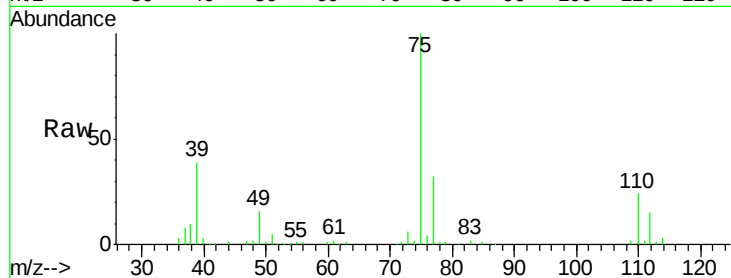




#39
 cis-1,3-Dichloropropene
 Concen: 4.693 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

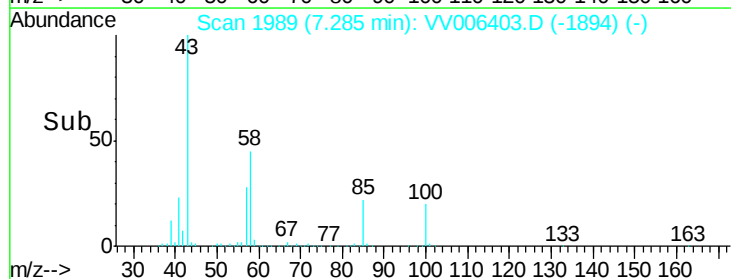
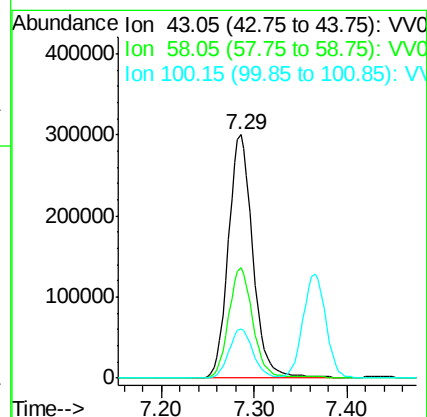
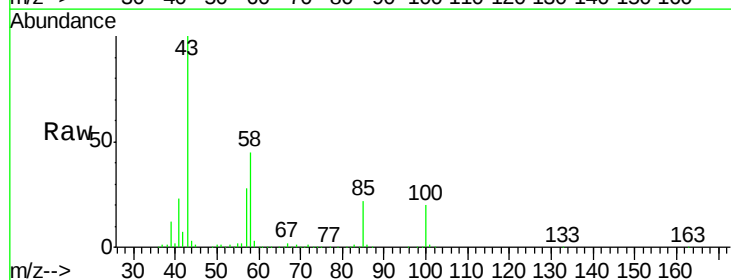
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

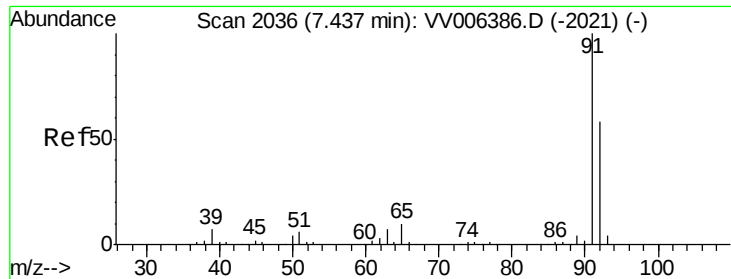
Tgt Ion: 75 Resp: 137935
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 58.985 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 43 Resp: 550142
 Ion Ratio Lower Upper
 43 100
 58 44.6 36.0 54.0
 100 19.7 15.4 23.2





#42

Toluene

Concen: 5.443 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

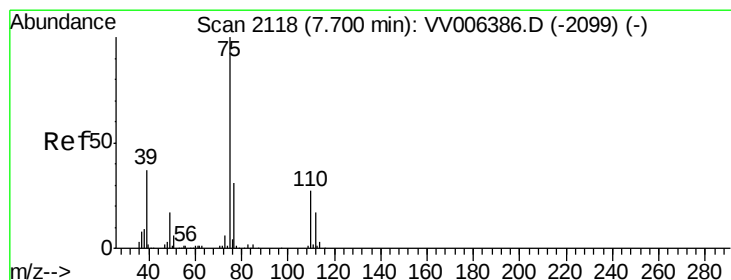
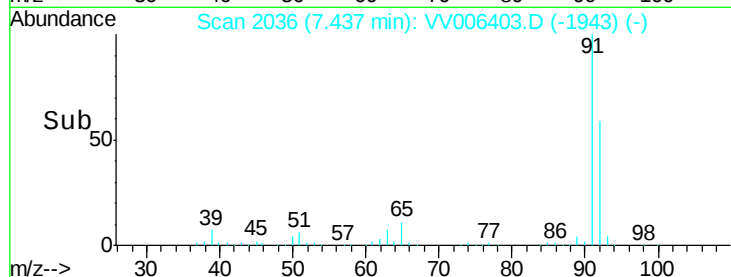
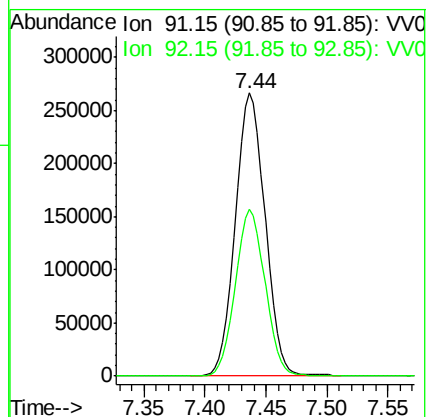
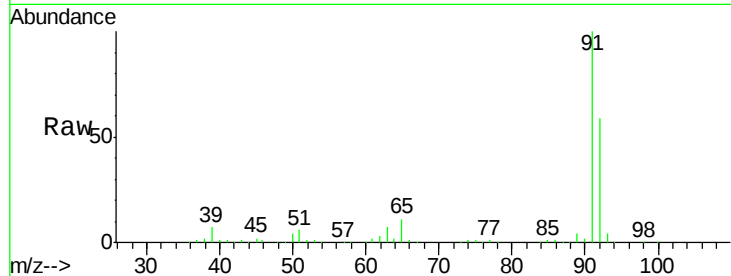
VSTD00577

Tgt Ion: 91 Resp: 452203

Ion Ratio Lower Upper

91 100

92 58.8 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.493 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006403.D

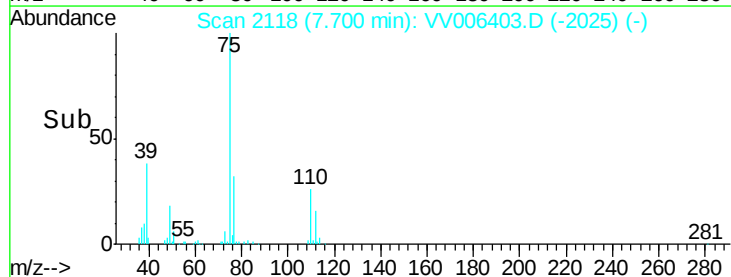
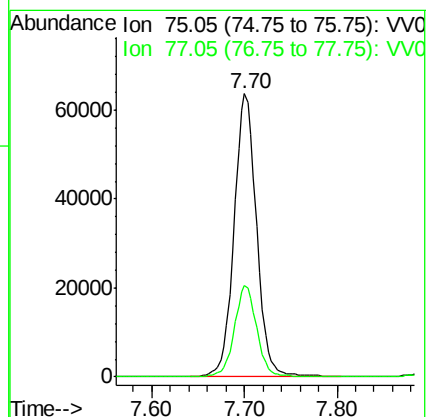
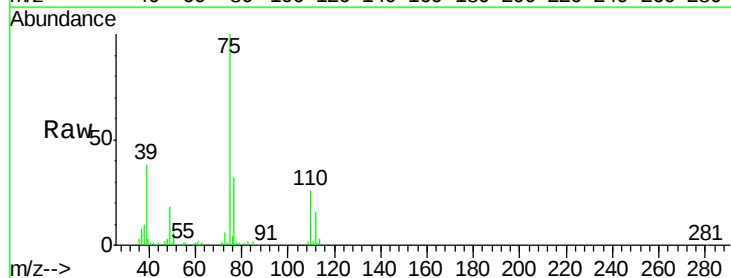
Acq: 21 Jun 2018 20:10

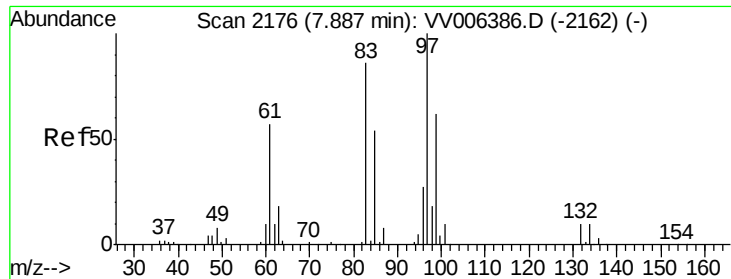
Tgt Ion: 75 Resp: 107121

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6

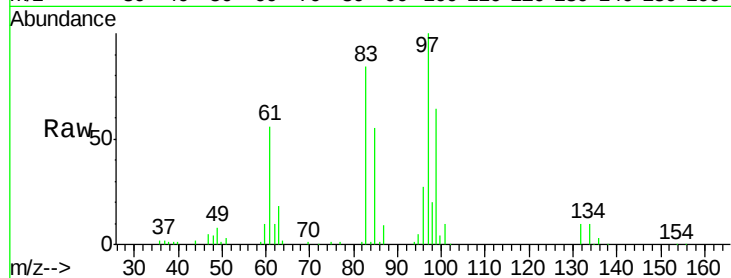




#45
 1,1,2-Trichloroethane
 Concen: 5.820 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion:	97	Resp:	74278
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.8	81.3
83	83.7	58.2	108.2
85	55.0	39.3	73.1

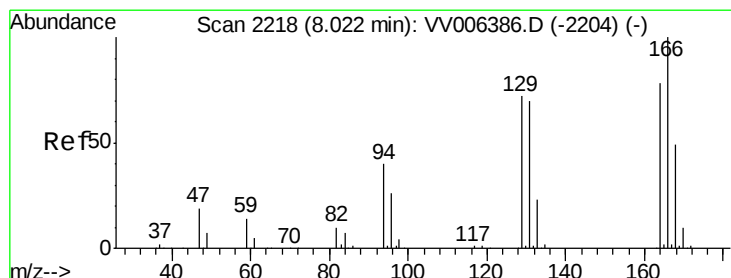
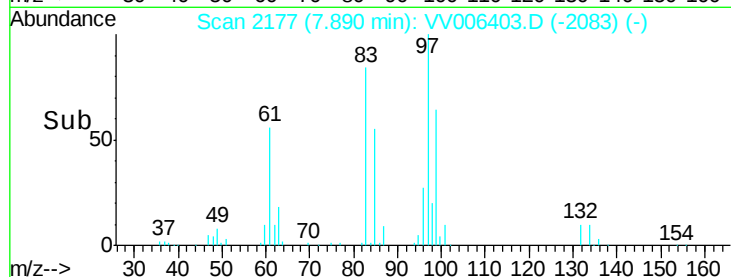
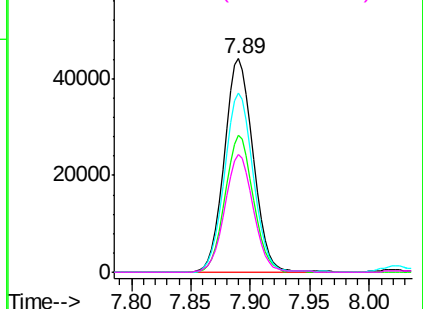


Abundance Ion 96.95 (96.65 to 97.65): VV006403.D (-2177) (-)

Ion 99.05 (98.75 to 99.75): VV006403.D (-2177) (-)

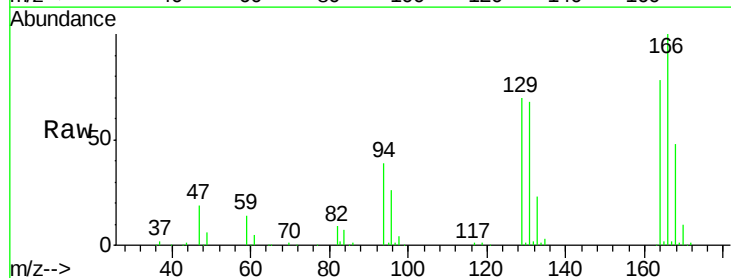
Ion 82.95 (82.65 to 83.65): VV006403.D (-2177) (-)

Ion 85.00 (84.70 to 85.70): VV006403.D (-2177) (-)



#47
 Tetrachloroethene
 Concen: 5.544 ug/L
 RT: 8.02 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion:	164	Resp:	91158
Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.7	116.5
131	88.0	61.0	113.2
166	128.5	89.5	166.3

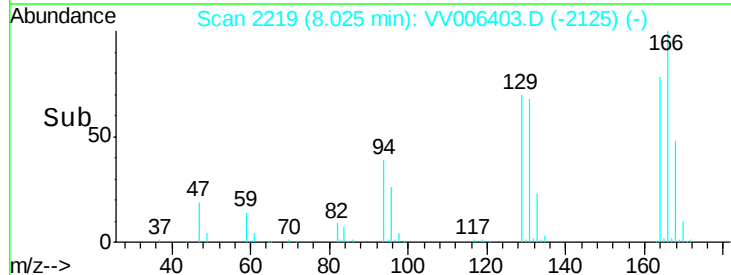
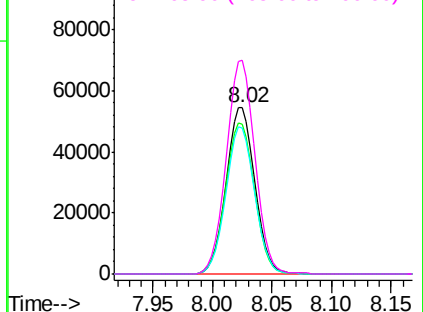


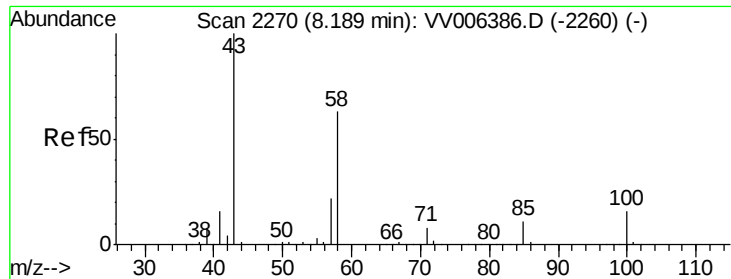
Abundance Ion 163.90 (163.60 to 164.60): VV006403.D (-2219) (-)

Ion 128.95 (128.65 to 129.65): VV006403.D (-2219) (-)

Ion 130.95 (130.65 to 131.65): VV006403.D (-2219) (-)

Ion 165.90 (165.60 to 166.60): VV006403.D (-2219) (-)

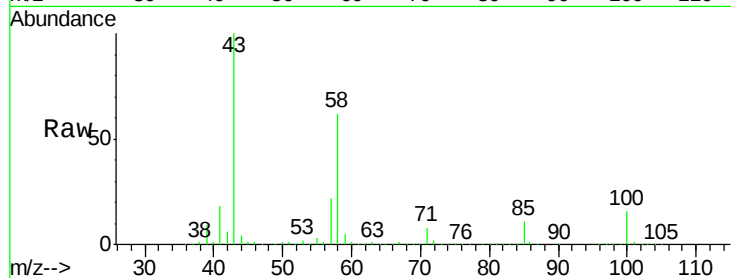




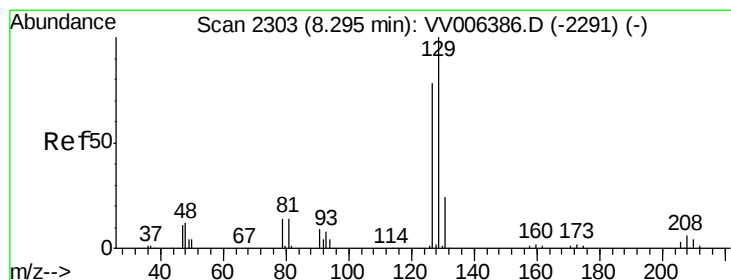
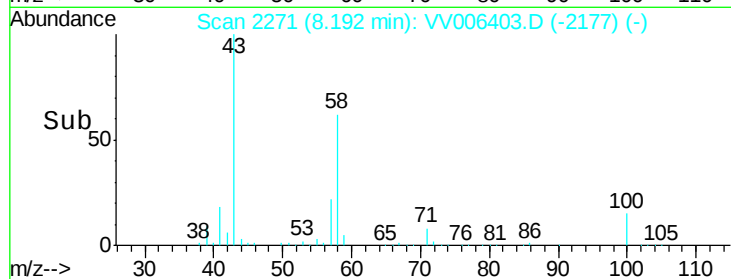
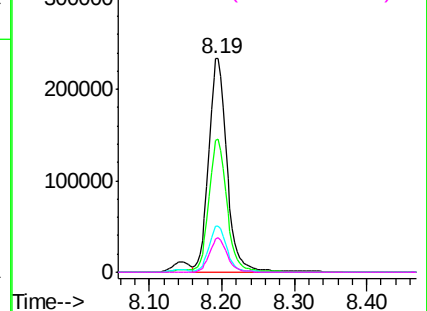
#48
2-Hexanone
Concen: 62.552 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 43 Resp: 410023
Ion Ratio Lower Upper
43 100
58 61.8 48.6 72.8
57 21.2 17.5 26.3
100 15.6 12.6 18.8

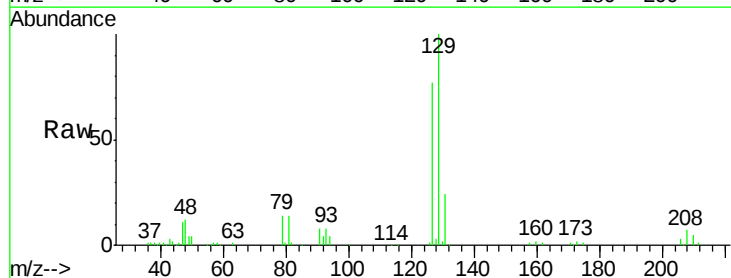


Abundance Ion 43.05 (42.75 to 43.75): VV006403.D (-2177) (-)
Ion 58.05 (57.75 to 58.75): VV006403.D (-2177) (-)
Ion 57.20 (56.90 to 57.90): VV006403.D (-2177) (-)
Ion 100.15 (99.85 to 100.85): VV006403.D (-2177) (-)

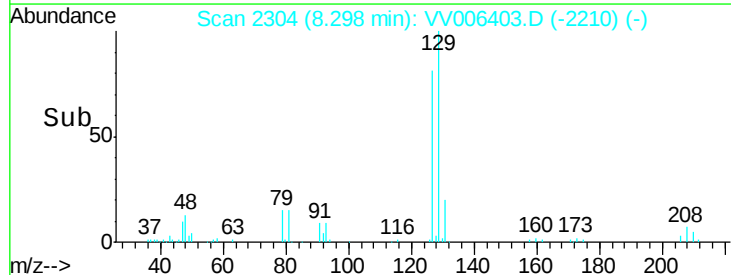
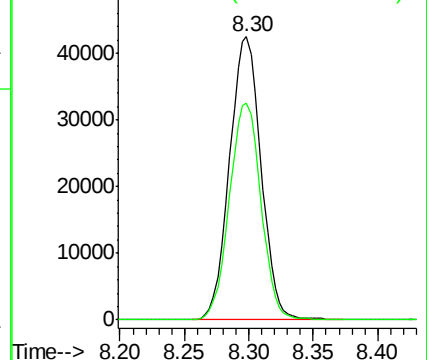


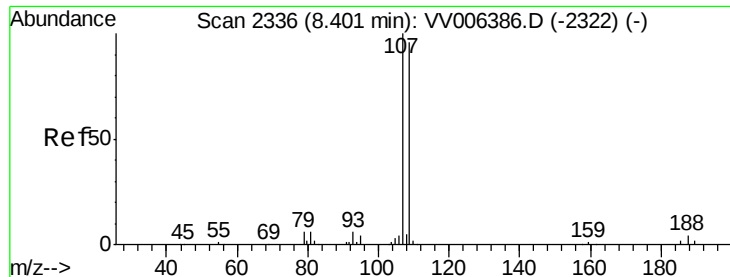
#49
Dibromochloromethane
Concen: 4.478 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

Tgt Ion: 129 Resp: 71958
Ion Ratio Lower Upper
129 100
127 76.8 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV006403.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006403.D (-2210) (-)

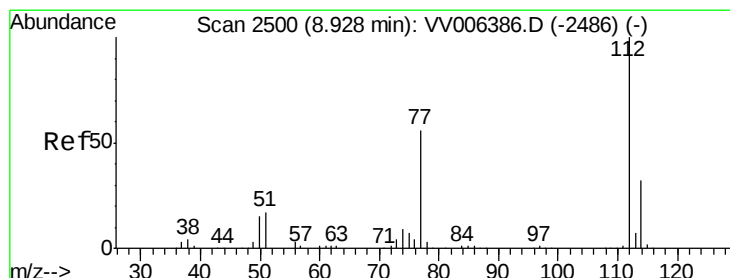
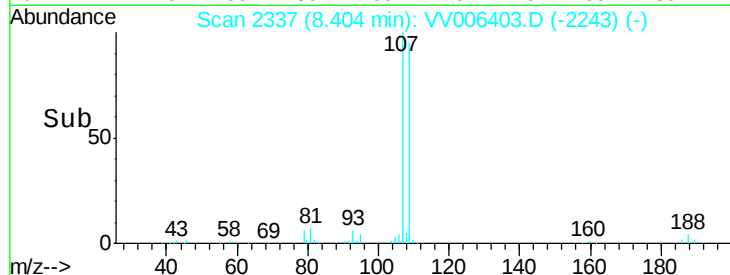
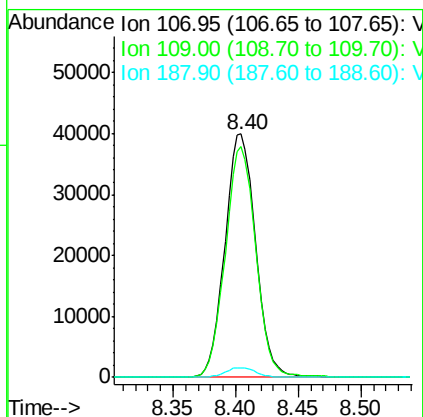
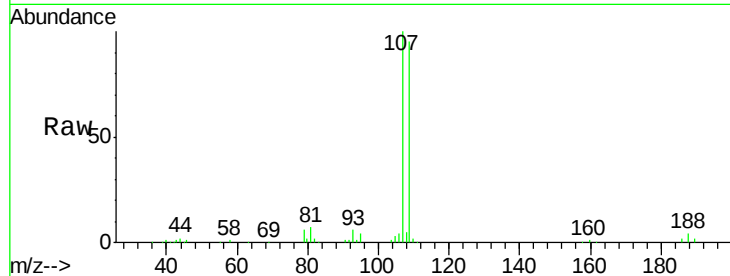




#50
1,2-Dibromoethane
Concen: 5.705 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

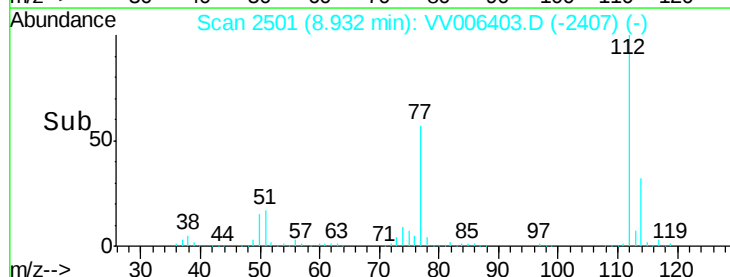
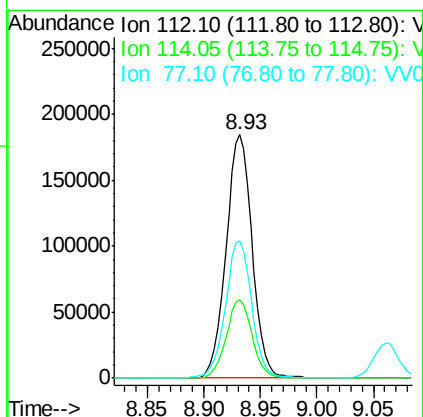
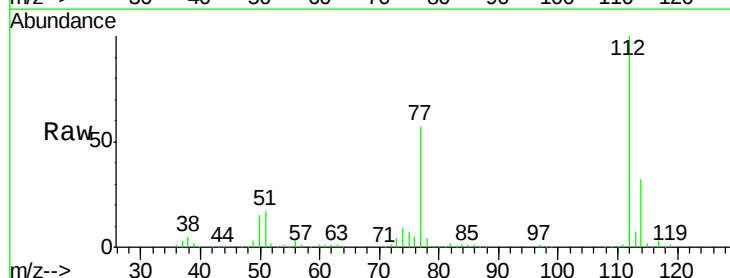
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

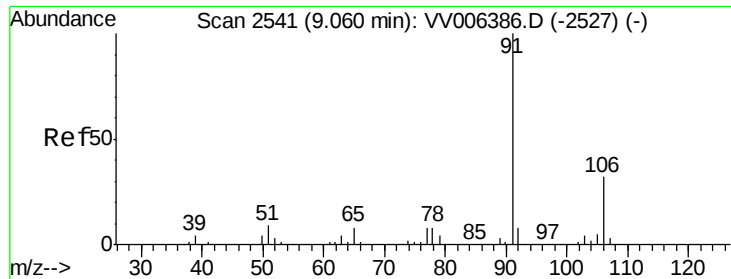
Tgt Ion:107 Resp: 67846
Ion Ratio Lower Upper
107 100
109 95.0 66.8 124.2
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 5.542 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006403.D
Acq: 21 Jun 2018 20:10

Tgt Ion:112 Resp: 295637
Ion Ratio Lower Upper
112 100
114 32.3 22.2 41.2
77 56.7 45.2 67.8





#52

Ethylbenzene

Concen: 5.257 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

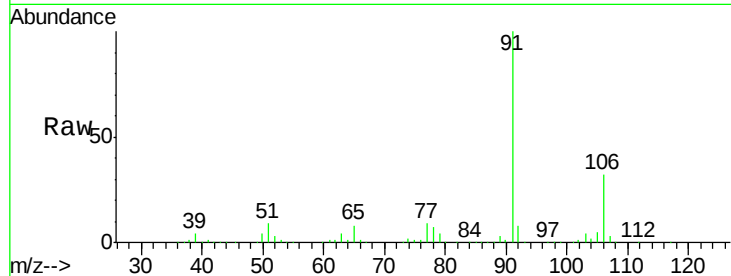
VSTD00577

Tgt Ion: 91 Resp: 486583

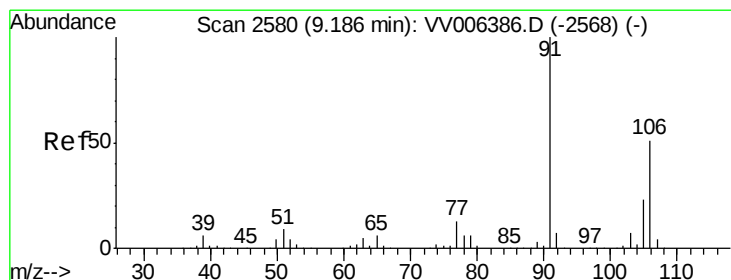
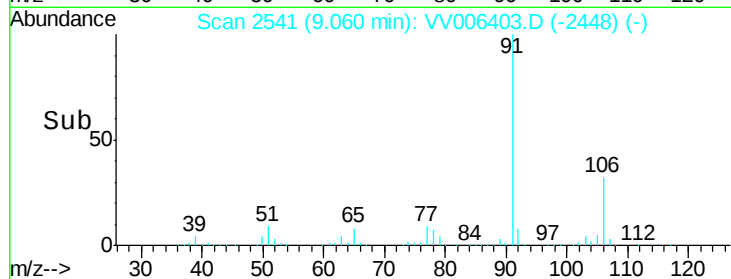
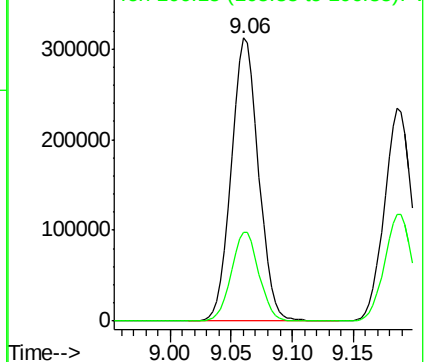
Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006403.D (-2448) (-)



#53

m,p-xylene

Concen: 5.277 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006403.D

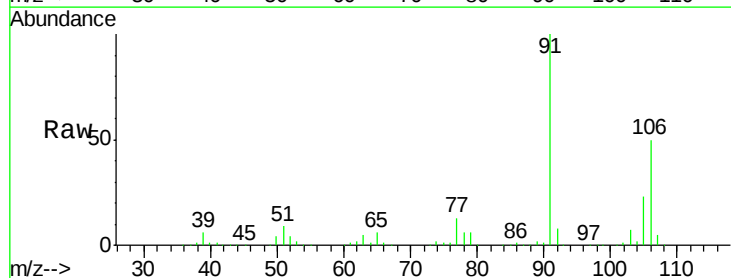
Acq: 21 Jun 2018 20:10

Tgt Ion: 106 Resp: 190545

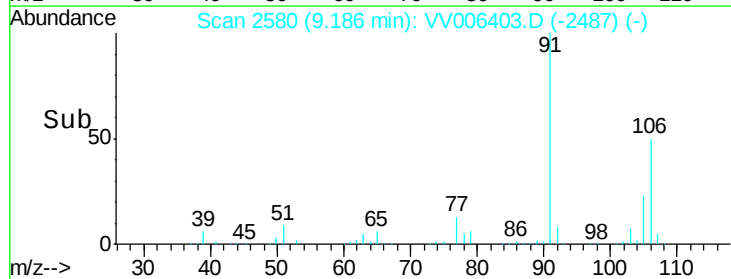
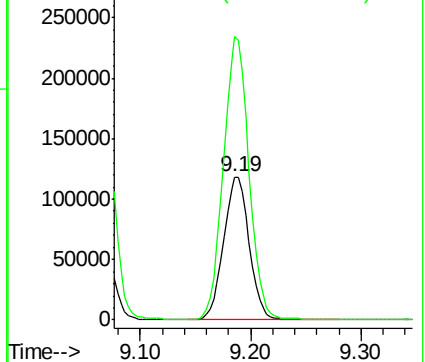
Ion Ratio Lower Upper

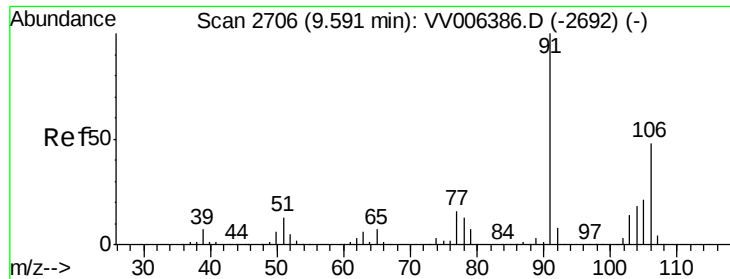
106 100

91 198.4 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006403.D (-2487) (-)





#54

o-xylene

Concen: 5.264 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

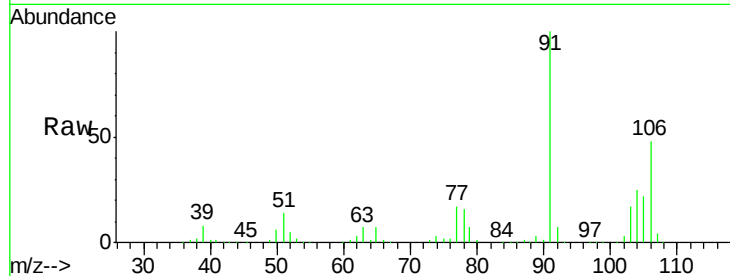
VSTD00577

Tgt Ion:106 Resp: 185894

Ion Ratio Lower Upper

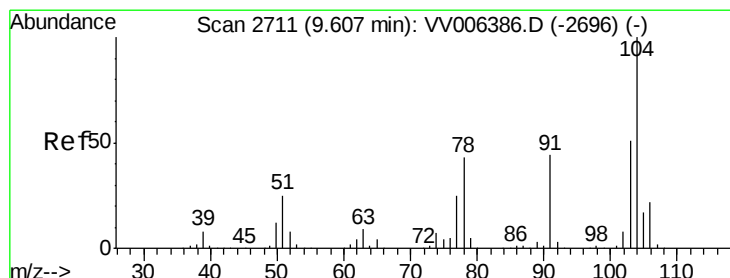
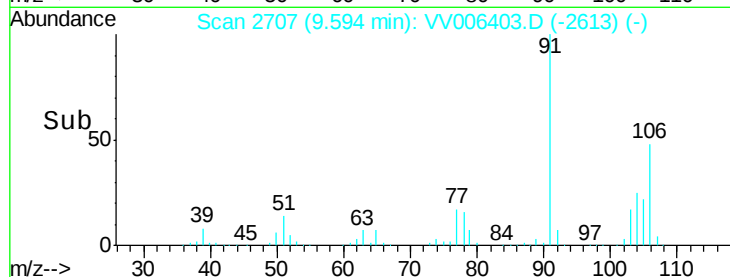
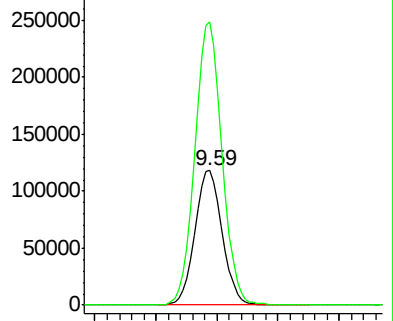
106 100

91 210.2 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.362 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006403.D

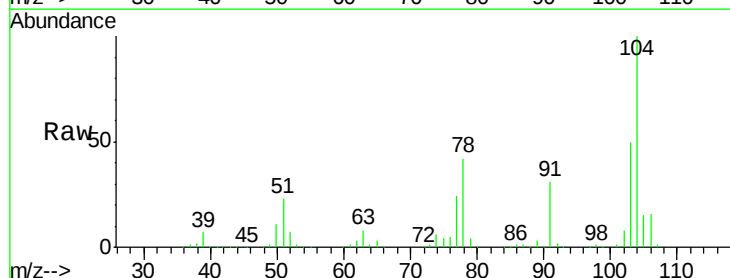
Acq: 21 Jun 2018 20:10

Tgt Ion:104 Resp: 311484

Ion Ratio Lower Upper

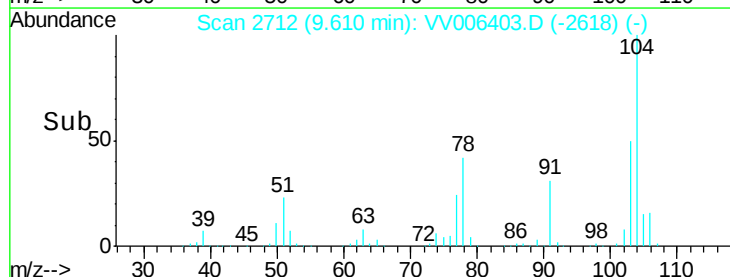
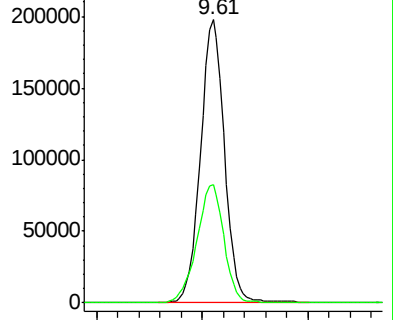
104 100

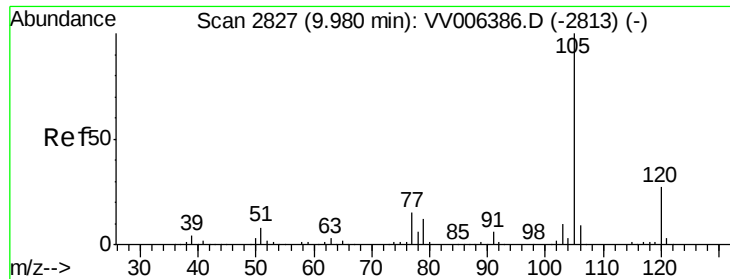
78 41.7 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.238 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

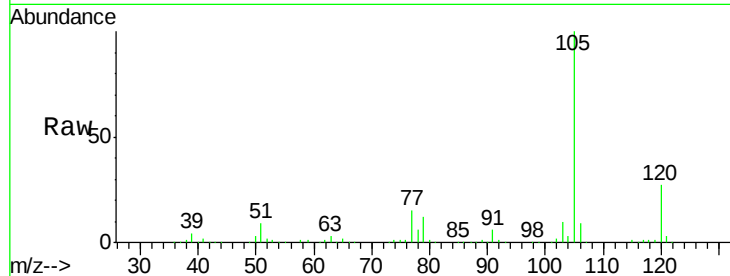
Tgt Ion: 105 Resp: 487108

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

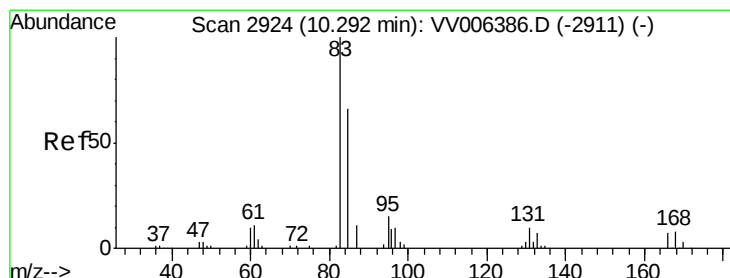
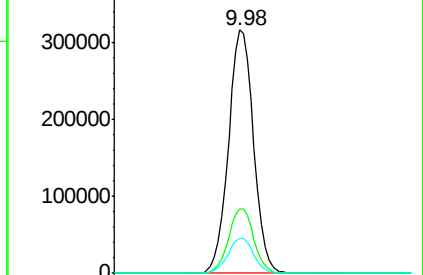
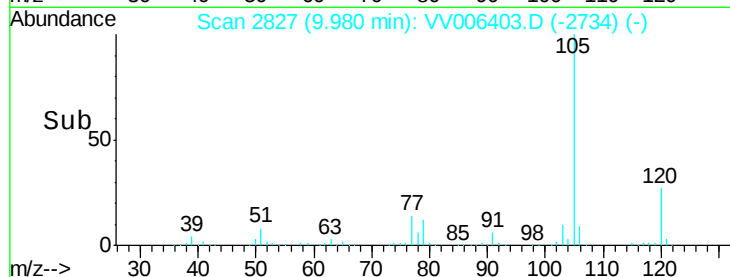
77 14.7 11.9 17.9



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: 5.053 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

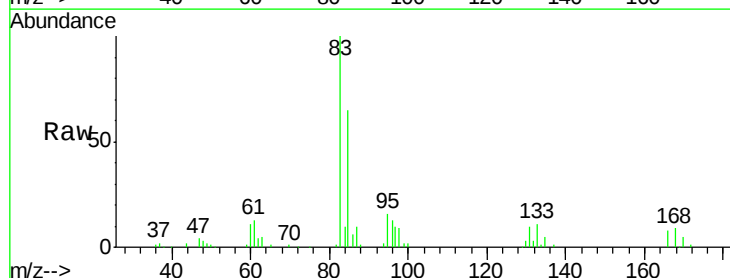
Tgt Ion: 83 Resp: 73875

Ion Ratio Lower Upper

83 100

85 64.6 45.0 83.6

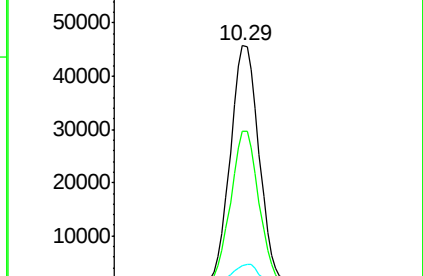
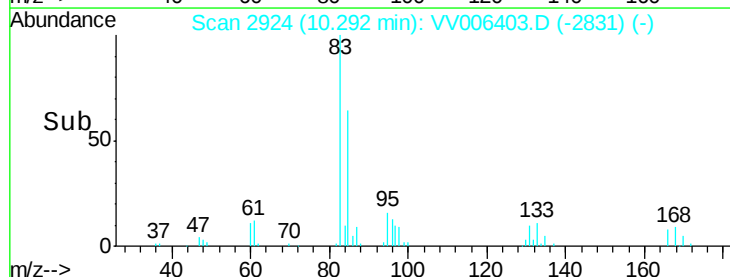
131 9.8 8.3 12.5

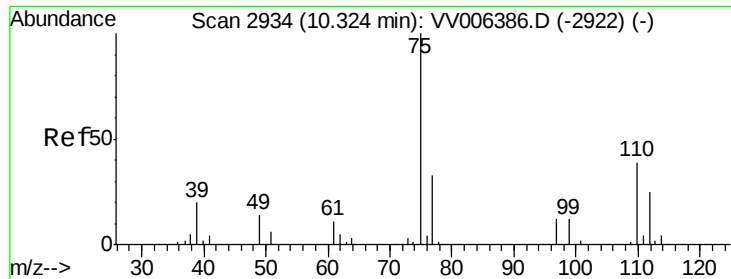


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

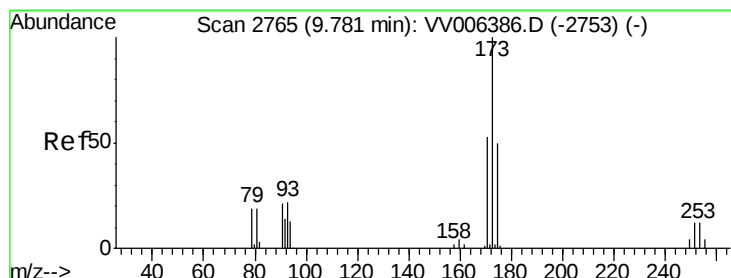
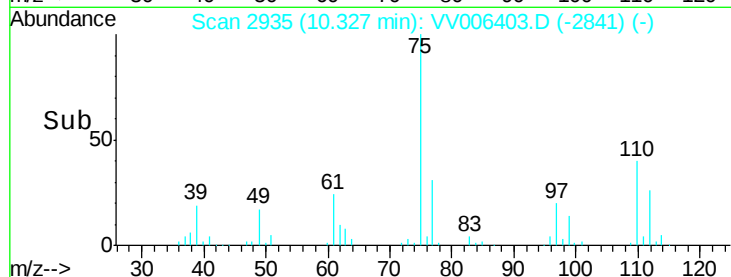
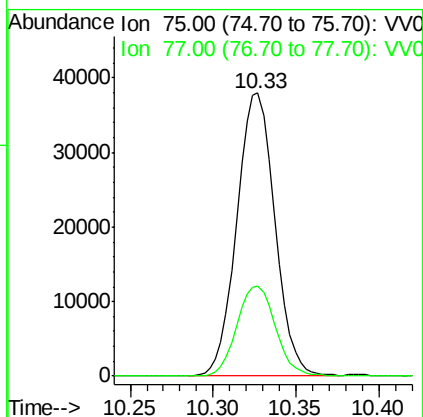
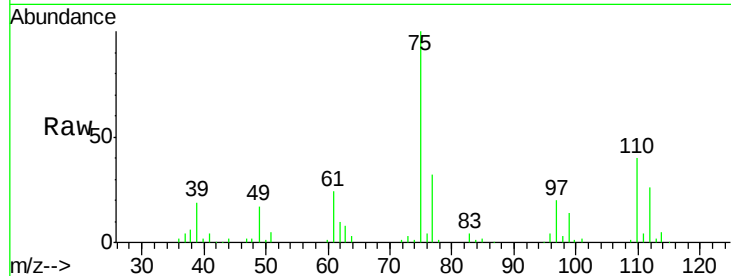




#59
 1,2,3-Trichloropropane
 Concen: 5.962 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

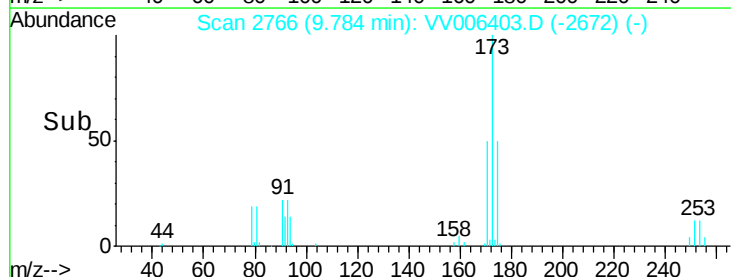
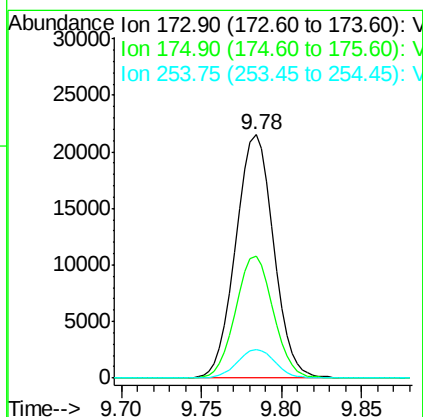
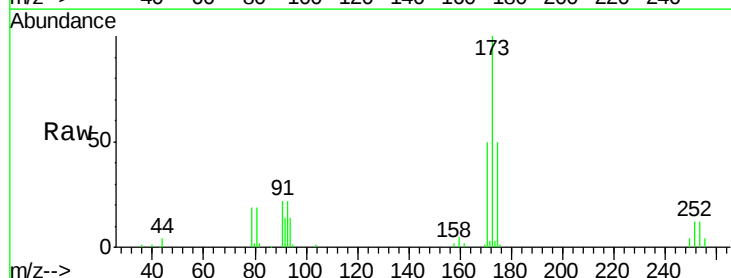
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

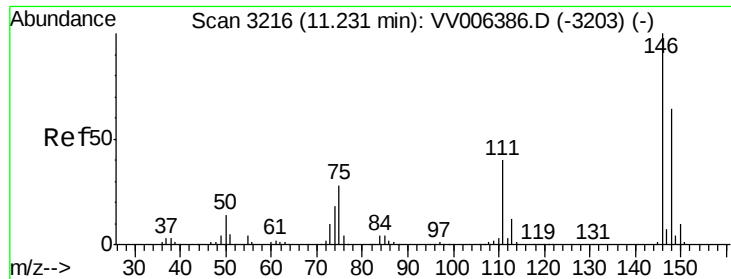
Tgt Ion: 75 Resp: 60577
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 3.831 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion: 173 Resp: 34678
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.3 58.9
 254 11.6 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.384 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

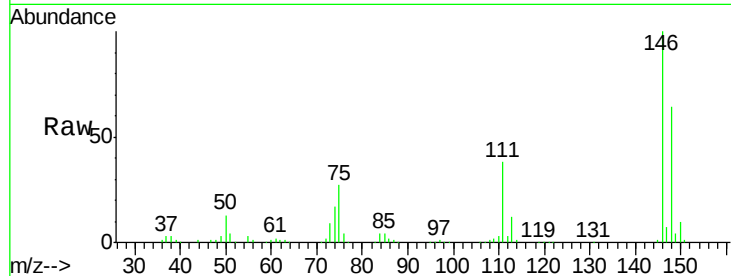
Tgt Ion:146 Resp: 226266

Ion Ratio Lower Upper

146 100

111 38.5 27.6 51.2

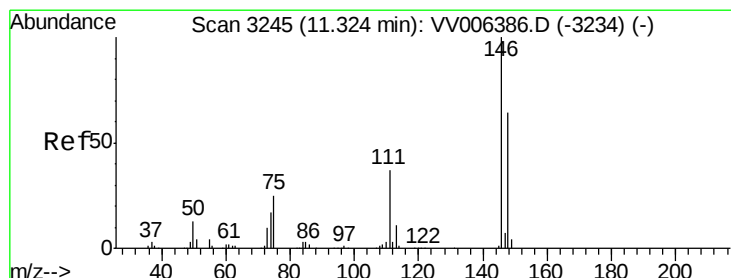
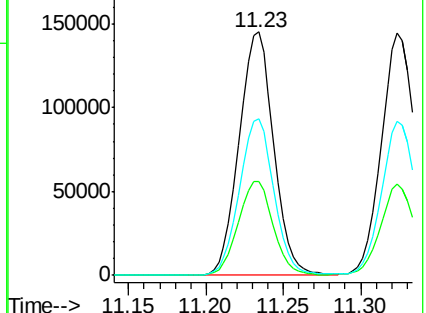
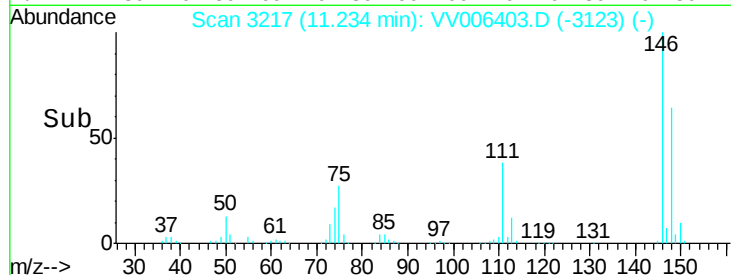
148 64.1 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.461 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

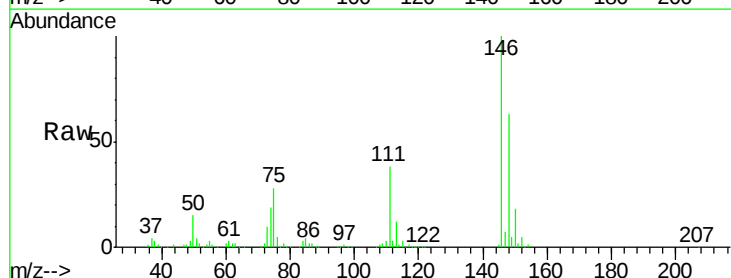
Tgt Ion:146 Resp: 227025

Ion Ratio Lower Upper

146 100

111 37.6 26.9 50.1

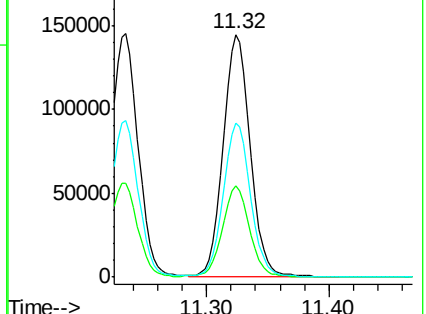
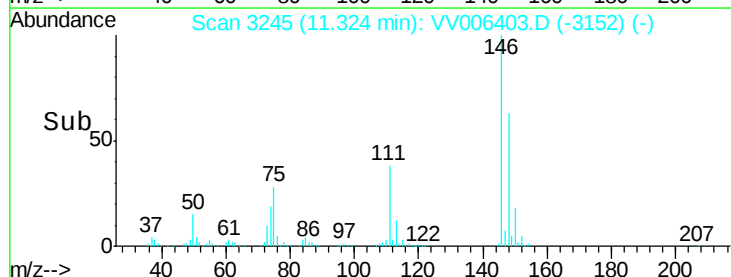
148 63.4 44.8 83.2

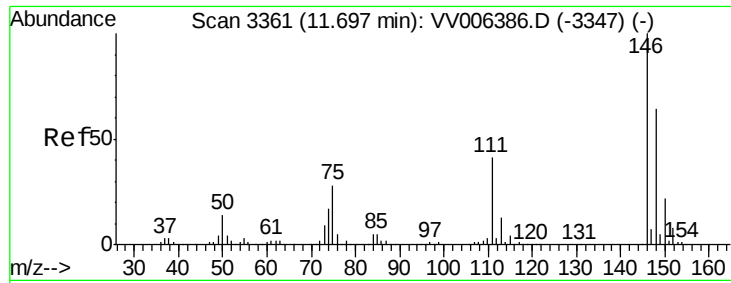


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.603 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampled :

VSTD00577

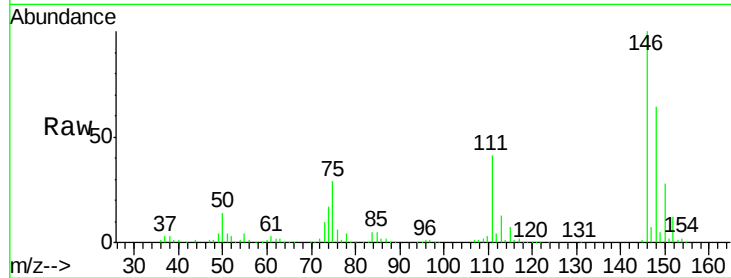
Tgt Ion:146 Resp: 217254

Ion Ratio Lower Upper

146 100

111 40.8 32.8 49.2

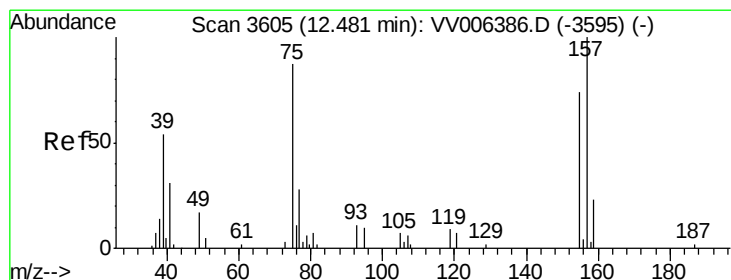
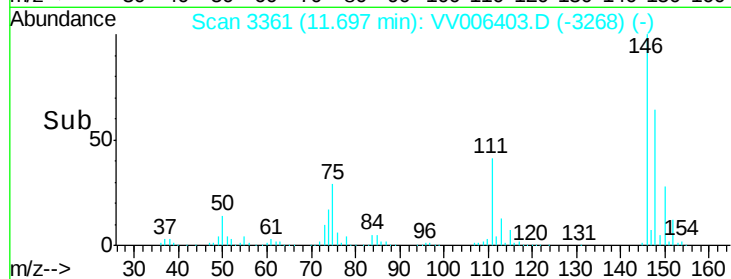
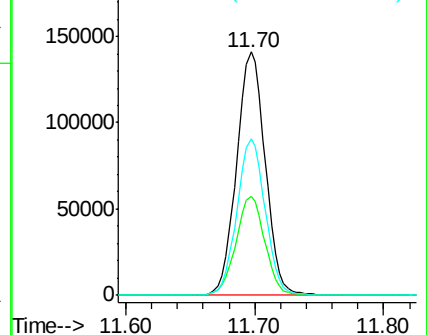
148 64.3 51.4 77.2



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: 3.485 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

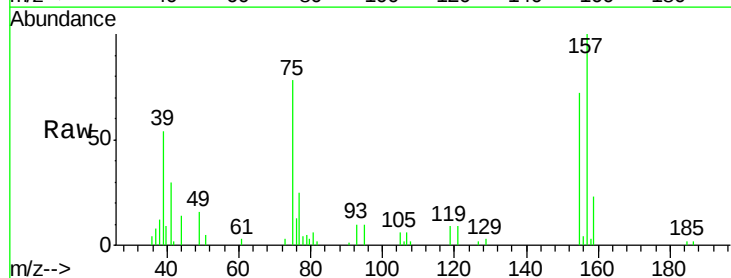
Tgt Ion: 75 Resp: 8880

Ion Ratio Lower Upper

75 100

155 92.6 70.3 105.5

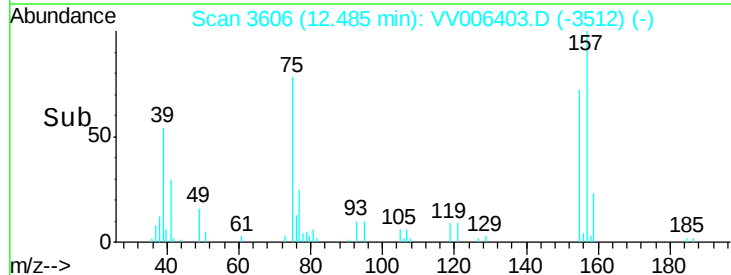
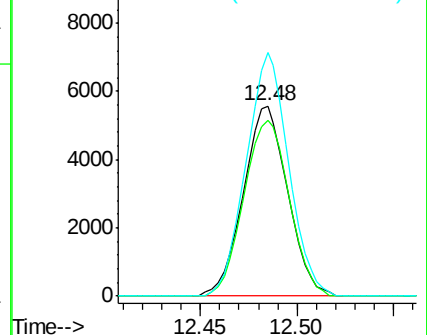
157 128.2 93.8 140.6

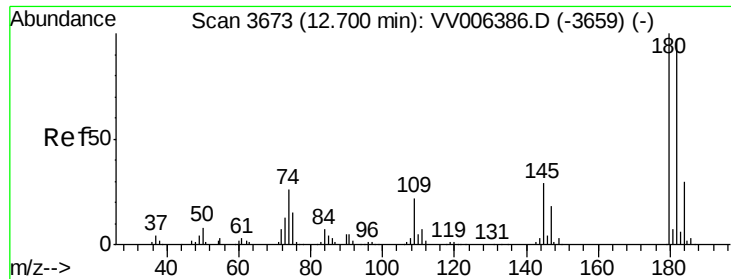


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

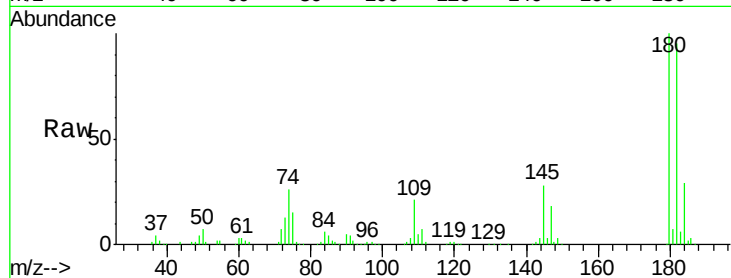




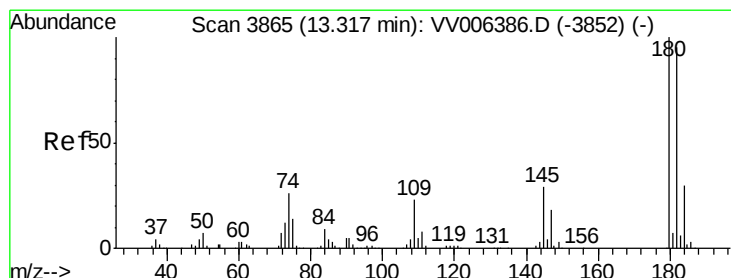
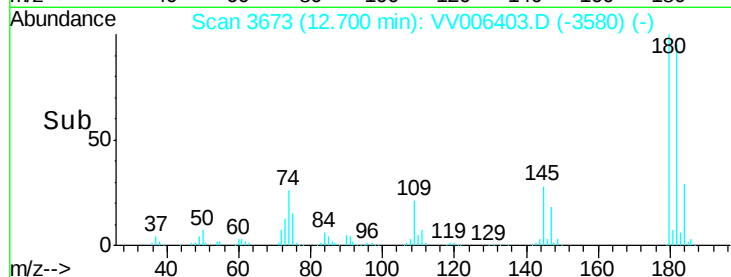
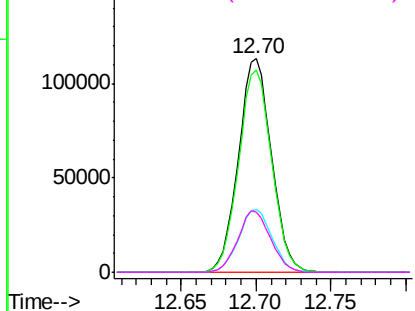
#67
 1,3,5-Trichlorobenzene
 Concen: 5.365 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion:180 Resp: 173555
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.4 113.2
 184 29.7 24.3 36.5
 145 28.4 23.1 34.7

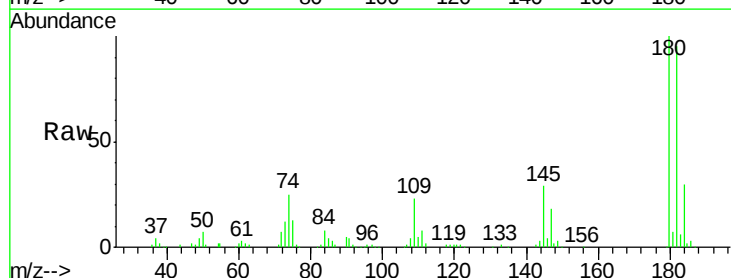


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

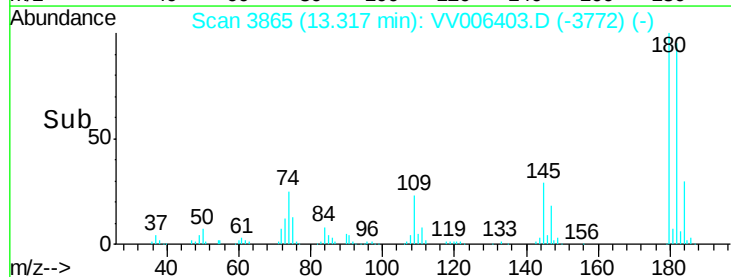
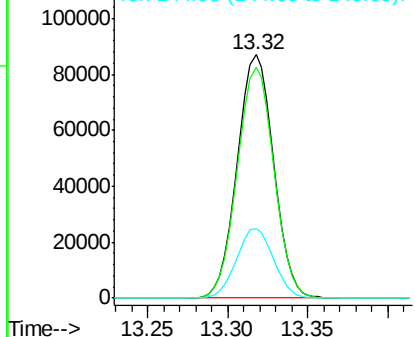


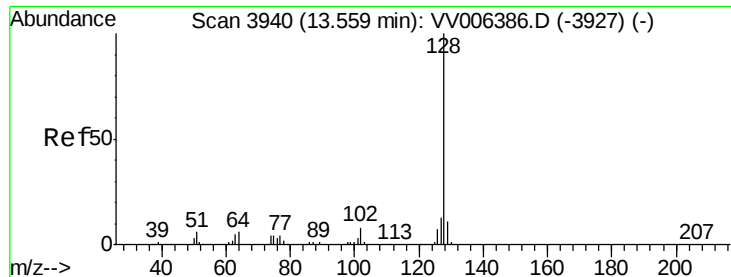
#68
 1,2,4-trichlorobenzene
 Concen: 5.379 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006403.D
 Acq: 21 Jun 2018 20:10

Tgt Ion:180 Resp: 134547
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 145 29.1 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: 5.052 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

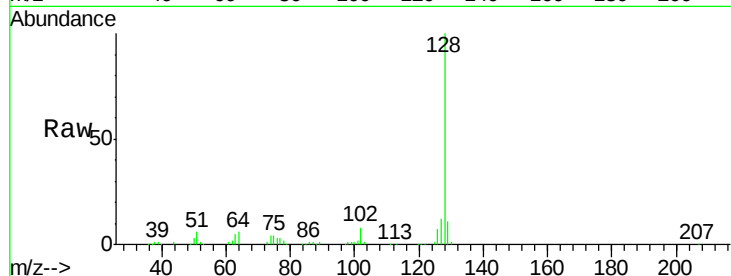
Tgt Ion:128 Resp: 212630

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

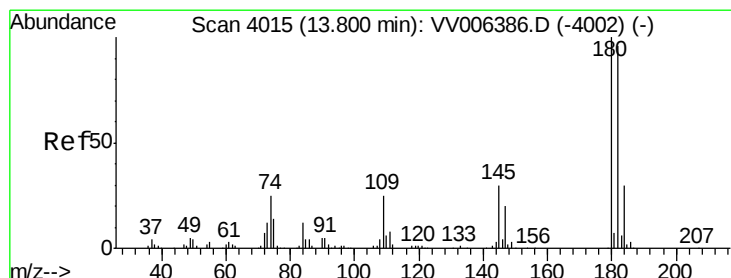
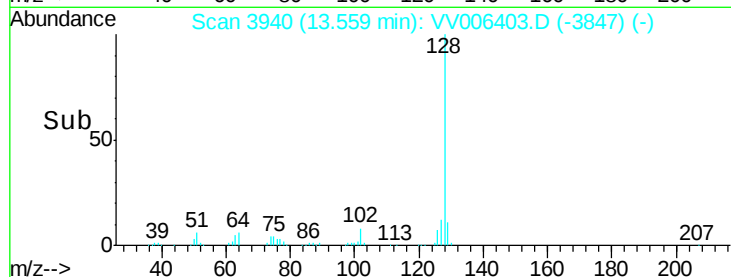
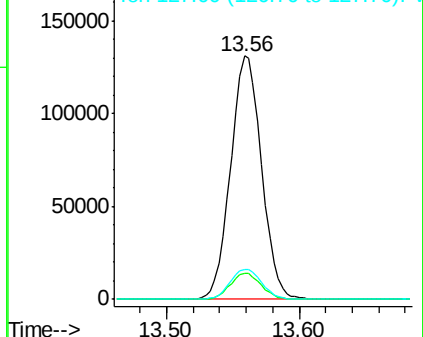
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.549 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006403.D

Acq: 21 Jun 2018 20:10

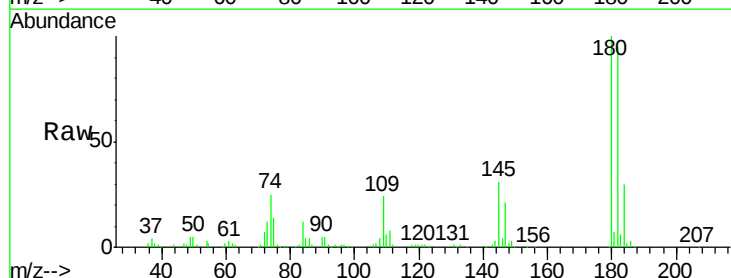
Tgt Ion:180 Resp: 127521

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 31.1 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

