

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070718\
 Data File : VV006556.D
 Acq On : 07 Jul 2018 10:34
 Operator : SY/MD
 Sample : VSTD02065
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Quant Time: Jul 09 02:37:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 02:36:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	344010	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	319039	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	160978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	368558	16.87	ug/L	0.00
7) Chloroethane-d5	1.59	69	321769	17.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	680477	17.39	ug/L	0.00
20) 2-Butanone-d5	3.98	46	982559	226.46	ug/L	0.00
24) Chloroform-d	4.41	84	729821	19.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	337779	18.92	ug/L	0.00
32) Benzene-d6	5.11	84	1456410	17.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	462143	18.79	ug/L	0.00
41) Toluene-d8	7.37	98	1323288	17.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	177587	19.85	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	921284	247.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	375438	23.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	550868	18.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	387197	14.939 ug/L	100
3) Chloromethane	1.26	50	619529	22.701 ug/L	99
5) Vinyl chloride	1.32	62	603402	21.012 ug/L	100
6) Bromomethane	1.54	94	279580	17.478 ug/L	99
8) Chloroethane	1.60	64	357006	19.730 ug/L	100
9) Trichlorofluoromethane	1.77	101	672462	19.653 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	420796	19.525 ug/L	100
12) 1,1-Dichloroethene	2.14	96	428709	20.256 ug/L	96
13) Acetone	2.23	43	567257	214.477 ug/L	100
14) Carbon disulfide	2.32	76	1357661	22.482 ug/L	100
15) Methyl Acetate	2.48	43	170659	21.908 ug/L	100
16) Methylene chloride	2.54	84	449606	18.253 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	1027251	20.181 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	469543	20.351 ug/L	98
19) 1,1-Dichloroethane	3.23	63	805146	19.648 ug/L	99
21) 2-Butanone	4.06	43	1028590	215.067 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	511977	20.282 ug/L	98
23) Bromochloromethane	4.31	128	209570	20.347 ug/L	100
25) Chloroform	4.44	83	798557	19.410 ug/L	99
27) 1,2-Dichloroethane	5.19	62	453959	19.658 ug/L	98
29) 1,1,1-Trichloroethane	4.67	97	681746	19.547 ug/L	99
30) Cyclohexane	4.73	56	741001	20.880 ug/L	100
31) Carbon tetrachloride	4.88	117	585433	19.944 ug/L	99
33) Benzene	5.15	78	1898803	19.883 ug/L	100
34) Trichloroethene	5.96	95	488554	18.181 ug/L	99
35) Methylcyclohexane	6.18	83	829915	20.806 ug/L	98
37) 1,2-Dichloropropane	6.23	63	459538	19.750 ug/L	100
38) Bromodichloromethane	6.56	83	546016	20.462 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	690367	21.428 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2402346	210.055 ug/L	98

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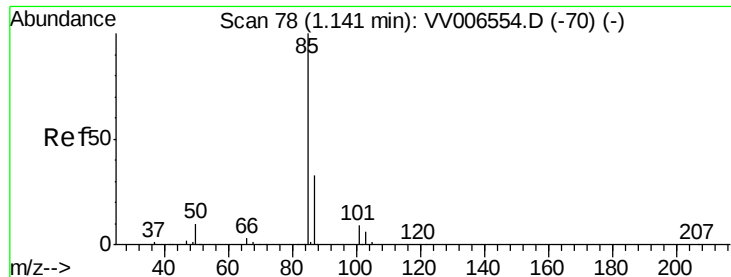
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Quant Time: Jul 09 02:37:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	2014178	19.965	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	542740	21.555	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	323784	20.079	ug/L	99
47) Tetrachloroethene	8.03	164	410460	19.879	ug/L	99
48) 2-Hexanone	8.20	43	1703751	207.341	ug/L	97
49) Dibromochloromethane	8.30	129	368635	21.564	ug/L	99
50) 1,2-Dibromoethane	8.40	107	299092	20.644	ug/L	98
51) Chlorobenzene	8.93	112	1315471	19.763	ug/L	100
52) Ethylbenzene	9.06	91	2238192	20.538	ug/L	100
53) m,p-xylene	9.19	106	878379	20.879	ug/L	100
54) o-xylene	9.59	106	858121	20.841	ug/L	99
55) Styrene	9.61	104	1454245	21.484	ug/L	100
56) Isopropylbenzene	9.98	105	2214018	20.661	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	386586	24.295	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	275164	21.397	ug/L	99
61) Bromoform	9.78	173	198423	21.767	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	1029882	19.440	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1031265	19.383	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	969034	19.388	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	56094	25.236	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	833008	20.460	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	702768	23.367	ug/L	100
69) Naphthalene	13.56	128	1269409	28.005	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	650422	23.105	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 14.939 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

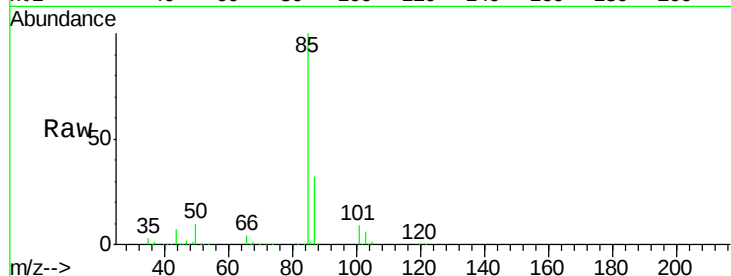
VSTD02065

Tgt Ion: 85 Resp: 387197

Ion Ratio Lower Upper

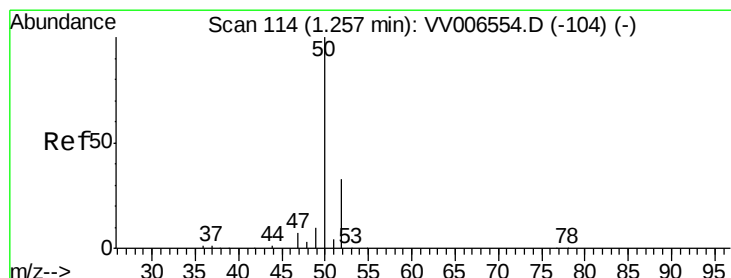
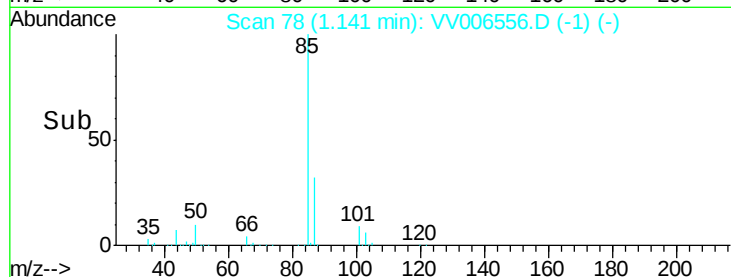
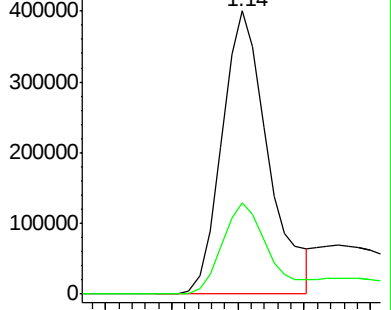
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV006554.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006554.D (-70) (-)



#3

Chloromethane

Concen: 22.701 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006556.D

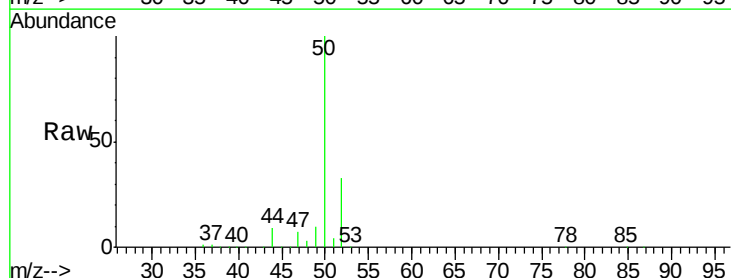
Acq: 07 Jul 2018 10:34

Tgt Ion: 50 Resp: 619529

Ion Ratio Lower Upper

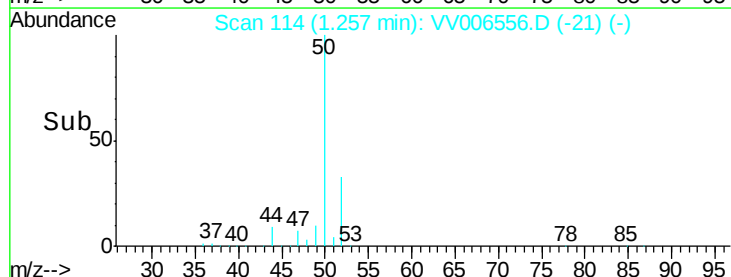
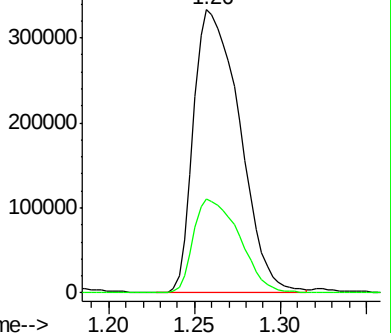
50 100

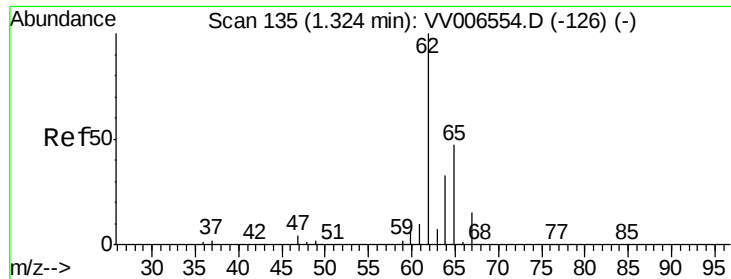
52 33.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006554.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006554.D (-104) (-)





#5

Vinyl chloride

Concen: 21.012 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

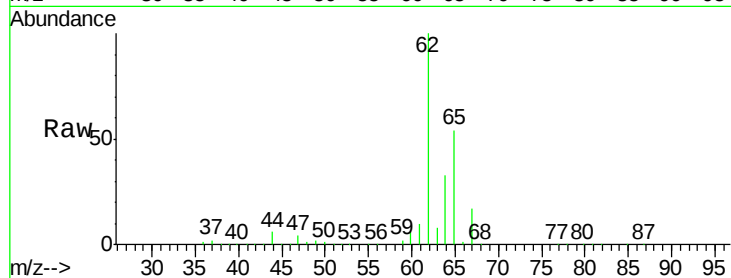
VSTD02065

Tgt Ion: 62 Resp: 603402

Ion Ratio Lower Upper

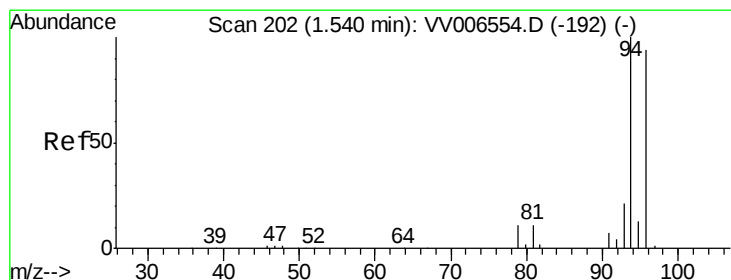
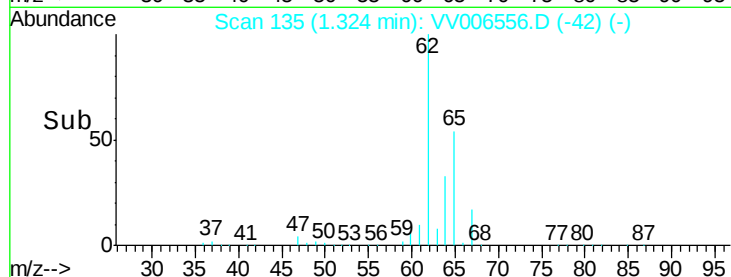
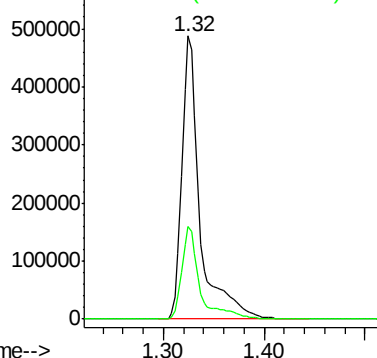
62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 17.478 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006556.D

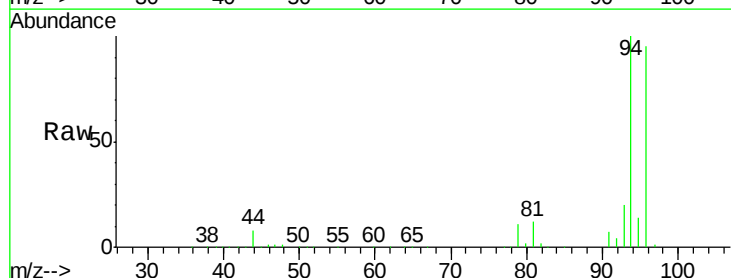
Acq: 07 Jul 2018 10:34

Tgt Ion: 94 Resp: 279580

Ion Ratio Lower Upper

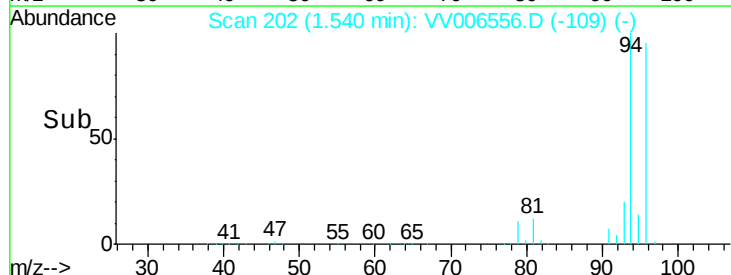
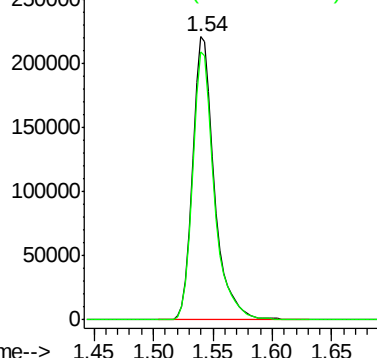
94 100

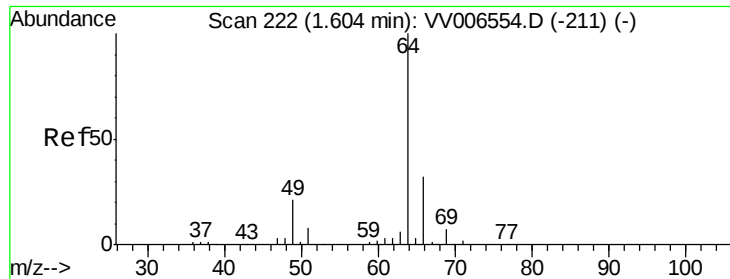
96 94.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 19.730 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

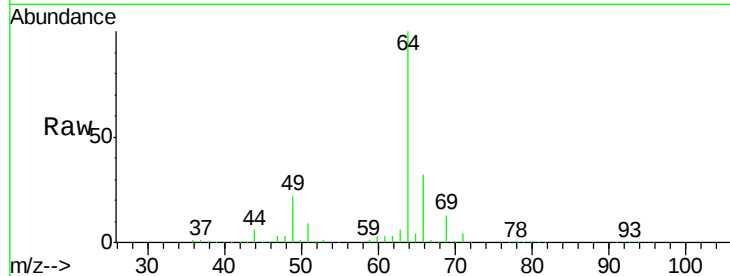
VSTD02065

Tgt Ion: 64 Resp: 357006

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006556.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006556.D (-129) (-)

1.60

300000

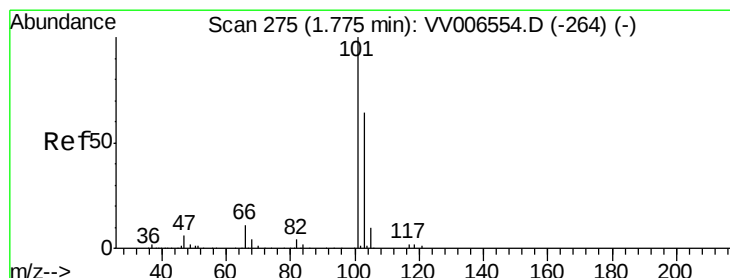
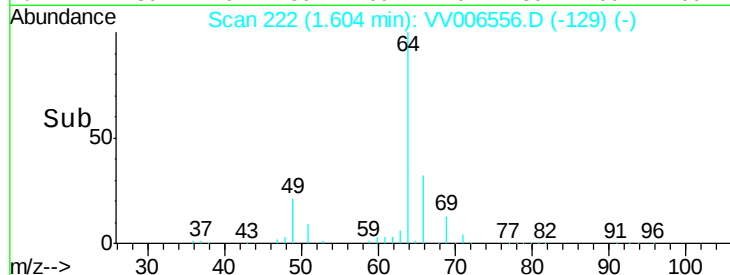
200000

100000

0

1.50 1.60 1.70 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 19.653 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006556.D

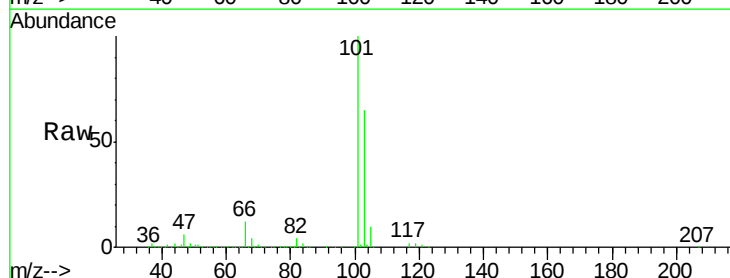
Acq: 07 Jul 2018 10:34

Tgt Ion: 101 Resp: 672462

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006556.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006556.D (-182) (-)

1.77

600000

500000

400000

300000

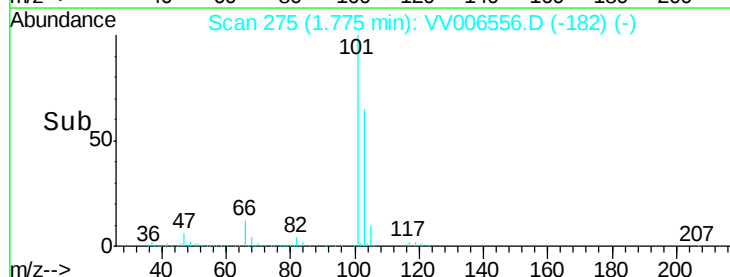
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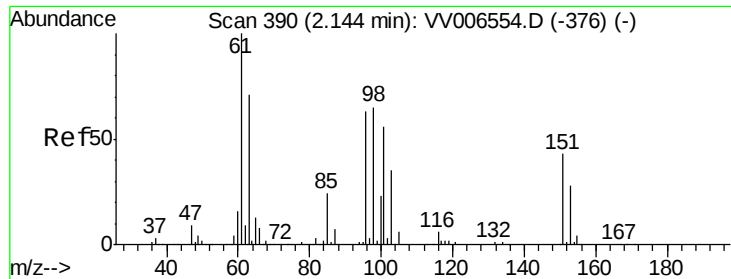
100000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 19.525 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

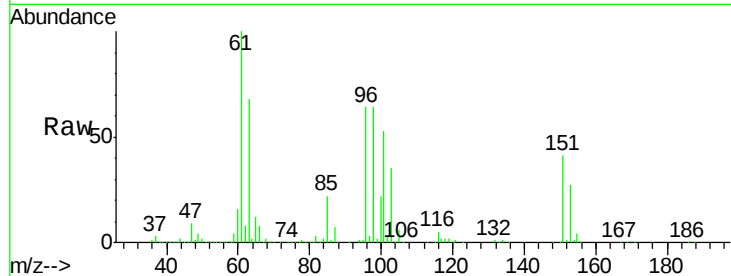
Tgt Ion:101 Resp: 420796

Ion Ratio Lower Upper

101 100

85 41.7 33.1 49.7

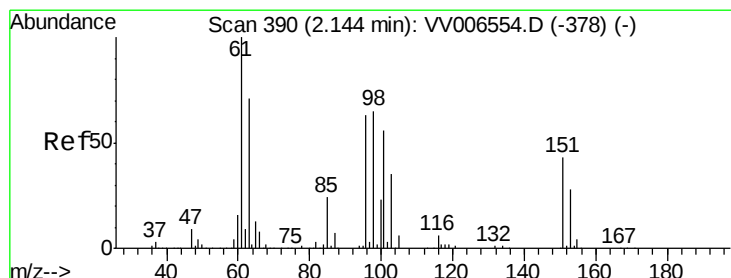
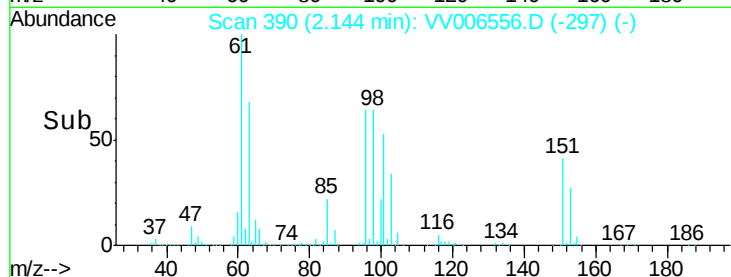
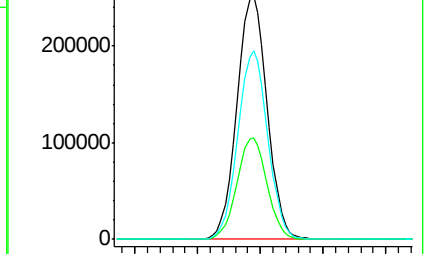
151 77.1 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006556.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006556.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006556.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 20.256 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

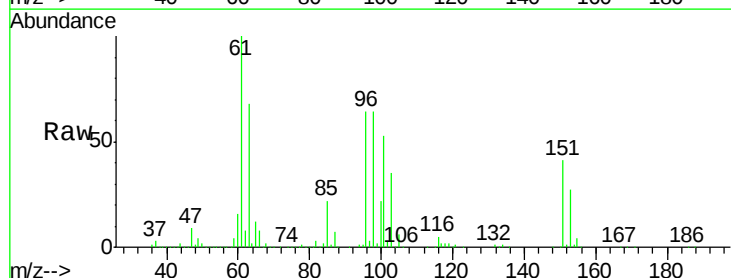
Tgt Ion: 96 Resp: 428709

Ion Ratio Lower Upper

96 100

61 155.9 110.7 205.7

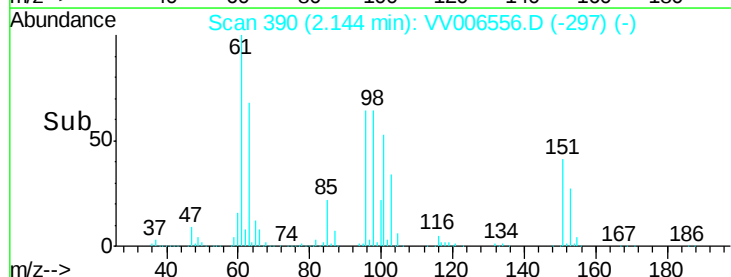
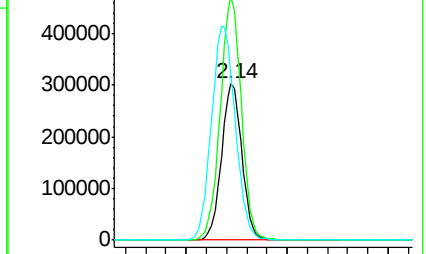
63 105.7 79.0 146.8

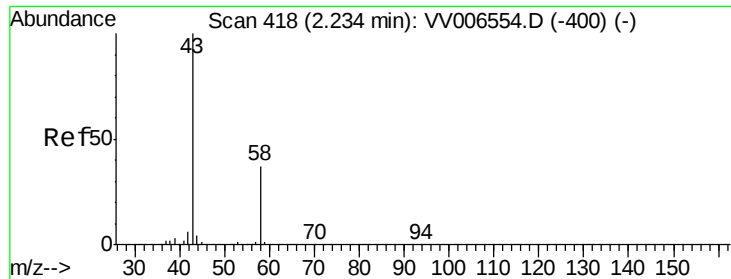


Abundance Ion 96.00 (95.70 to 96.70): VV006556.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006556.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006556.D (-297) (-)

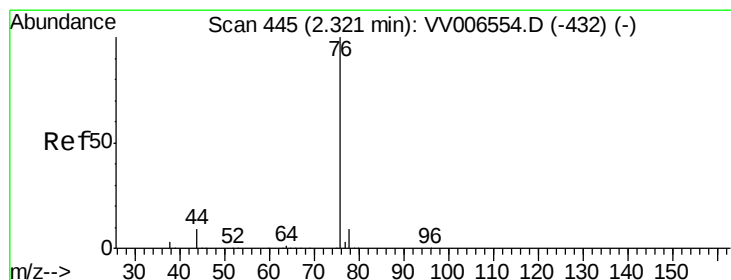
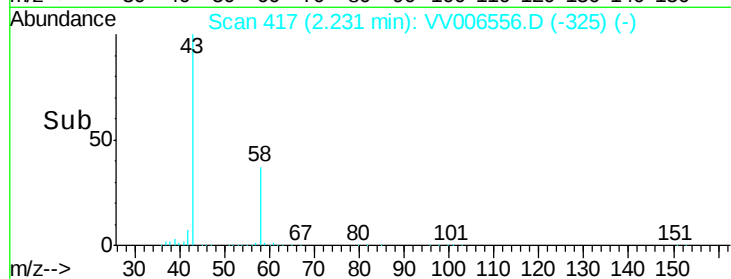
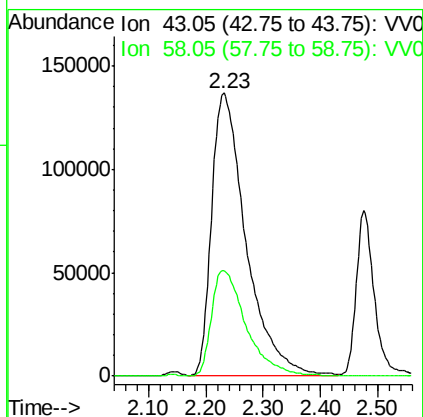
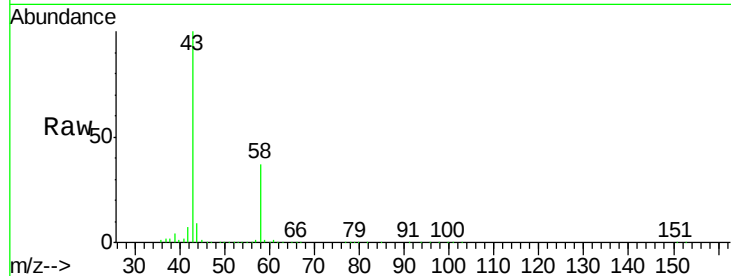




#13
Acetone
Concen: 214.477 ug/L
RT: 2.23 min Scan# 417
Delta R.T. -0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

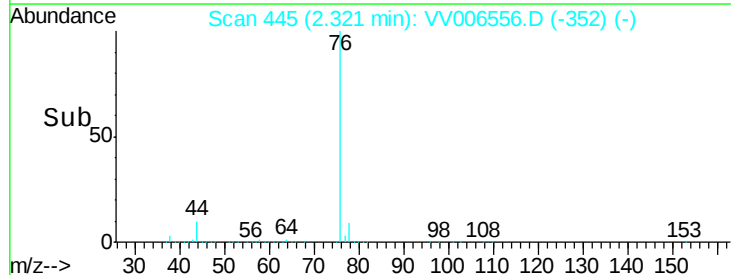
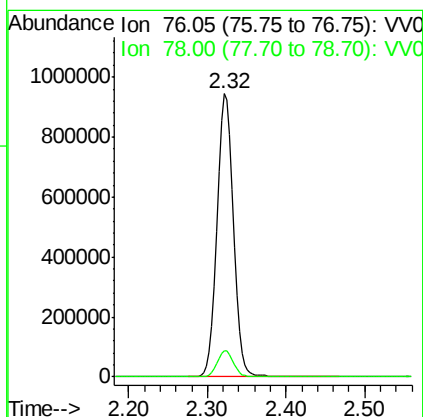
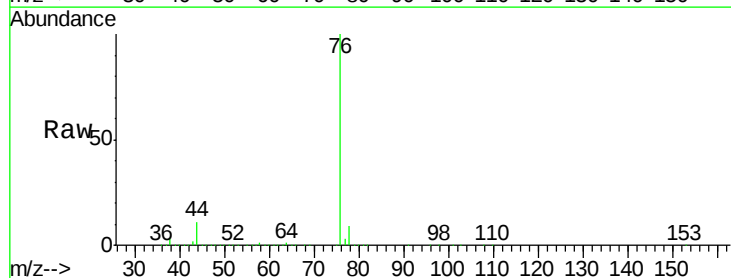
Instrument :
MSVOA_V
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VSTD02065

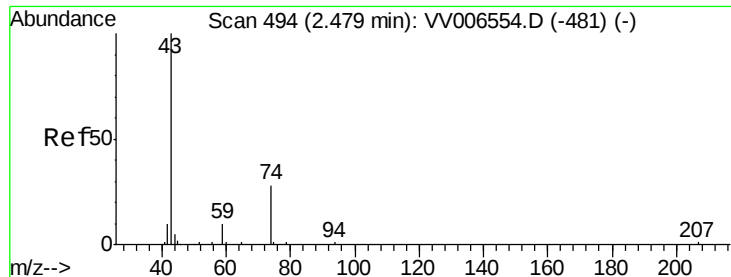
Tgt Ion: 43 Resp: 567257
Ion Ratio Lower Upper
43 100
58 38.1 0.0 76.2



#14
Carbon disulfide
Concen: 22.482 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Tgt Ion: 76 Resp: 1357661
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 21.908 ug/L

RT: 2.48 min Scan# 493

Delta R.T. -0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

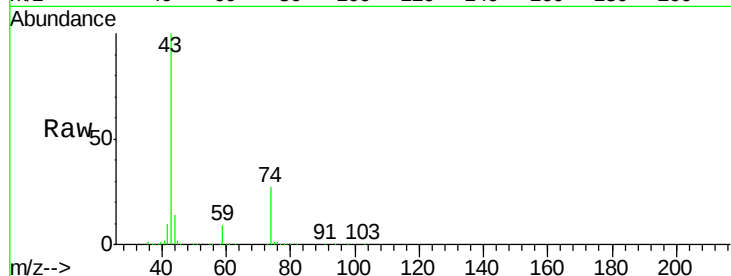
VSTD02065

Tgt Ion: 43 Resp: 170659

Ion Ratio Lower Upper

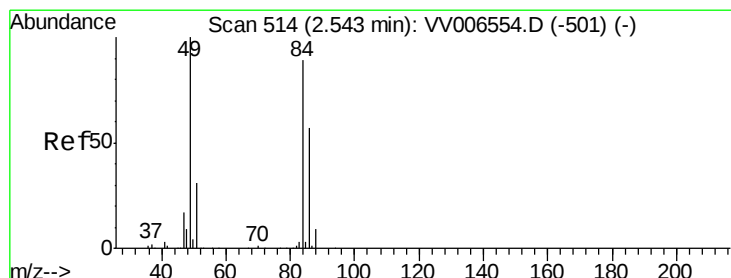
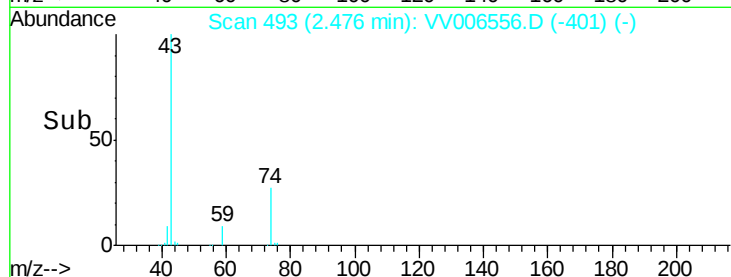
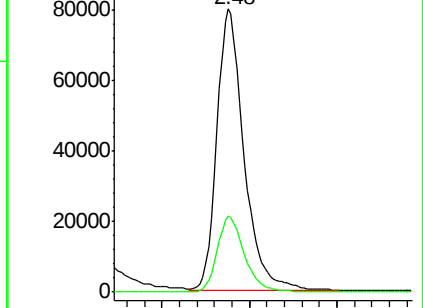
43 100

74 27.3 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV006556.D (-401) (-)

Ion 74.05 (73.75 to 74.75): VV006556.D (-401) (-)



#16

Methylene chloride

Concen: 18.253 ug/L

RT: 2.54 min Scan# 514

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

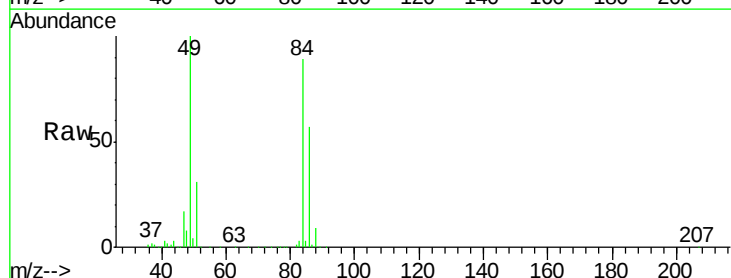
Tgt Ion: 84 Resp: 449606

Ion Ratio Lower Upper

84 100

86 64.6 44.7 82.9

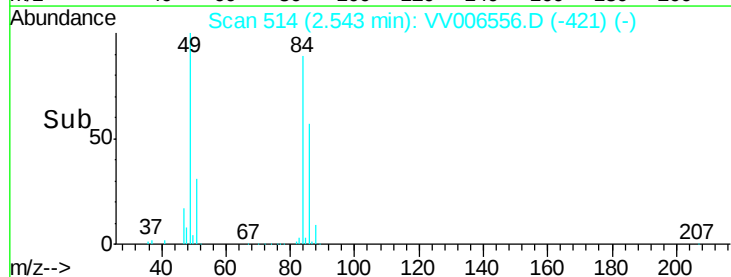
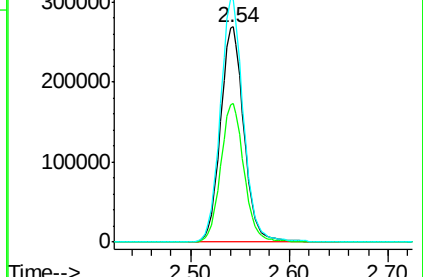
49 112.7 78.7 146.1

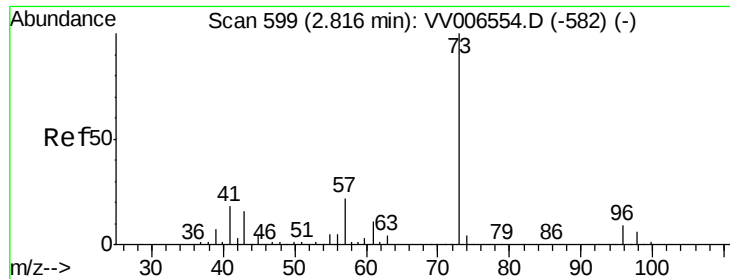


Abundance Ion 84.05 (83.75 to 84.75): VV006556.D (-421) (-)

Ion 86.00 (85.70 to 86.70): VV006556.D (-421) (-)

Ion 49.10 (48.80 to 49.80): VV006556.D (-421) (-)

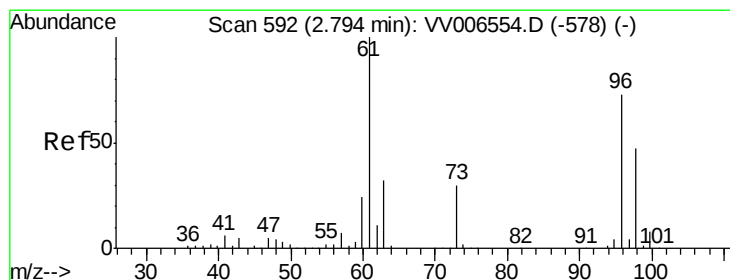
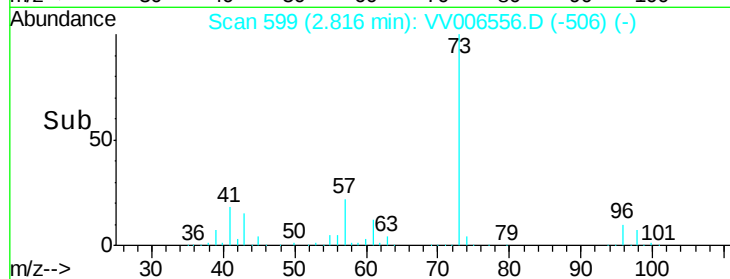
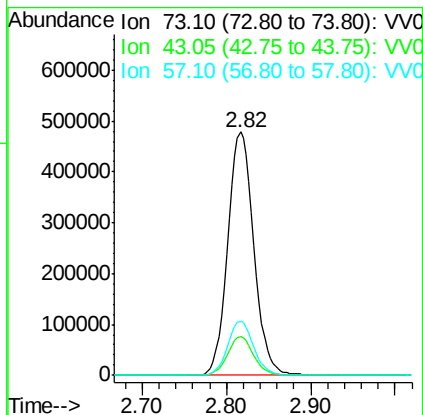
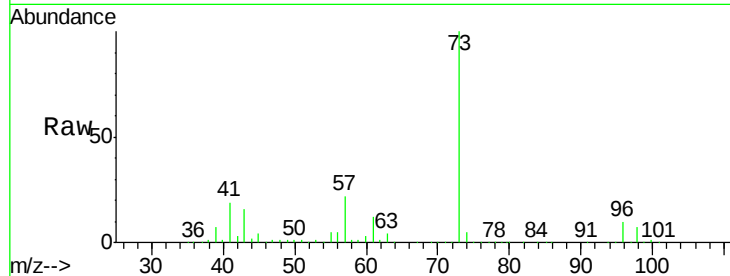




#17
Methyl tert-butyl Ether
Concen: 20.181 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

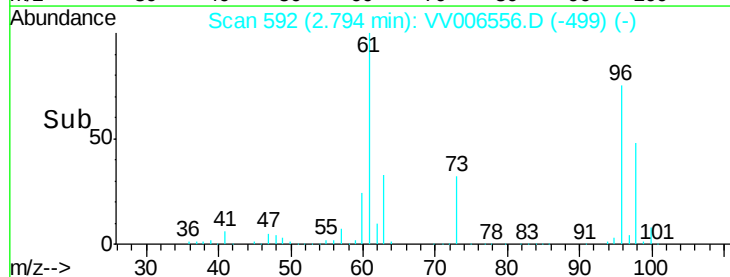
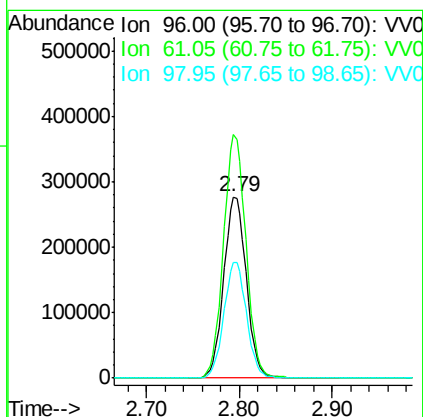
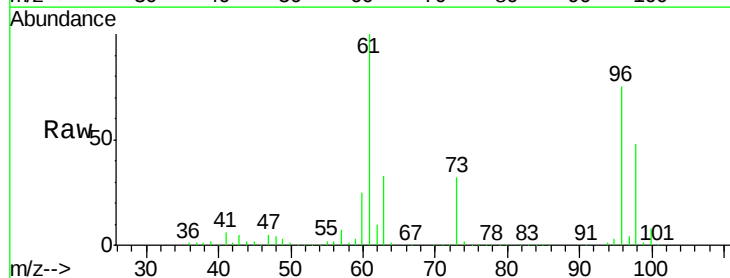
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

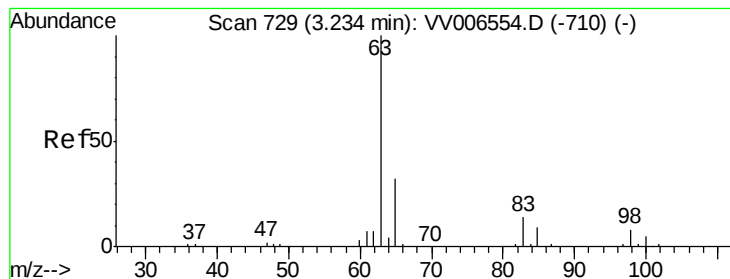
Tgt Ion: 73 Resp: 1027251
Ion Ratio Lower Upper
73 100
43 15.7 12.5 18.7
57 22.1 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 20.351 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Tgt Ion: 96 Resp: 469543
Ion Ratio Lower Upper
96 100
61 134.2 96.5 179.3
98 63.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 19.648 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

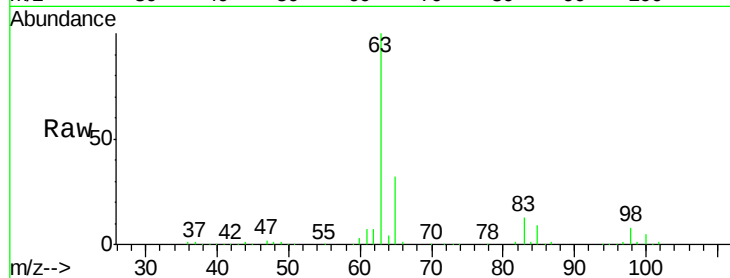
Tgt Ion: 63 Resp: 805146

Ion Ratio Lower Upper

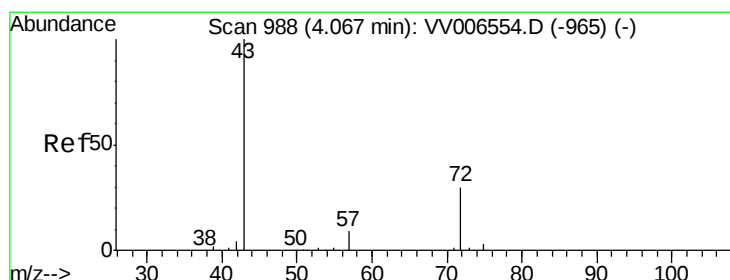
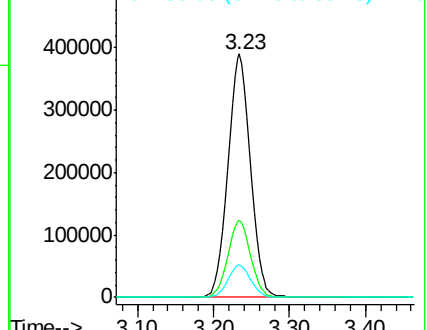
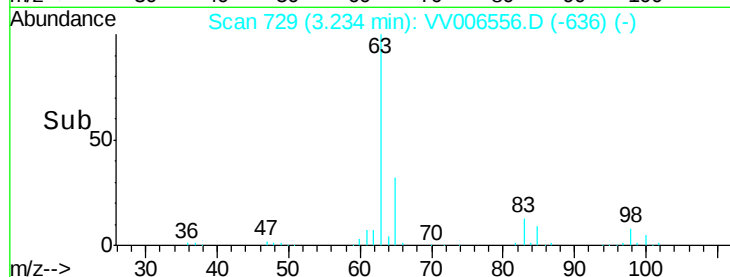
63 100

65 31.9 22.0 41.0

83 13.4 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV006556.D (-636) (-)



#21

2-Butanone

Concen: 215.067 ug/L

RT: 4.06 min Scan# 986

Delta R.T. -0.01 min

Lab File: VV006556.D

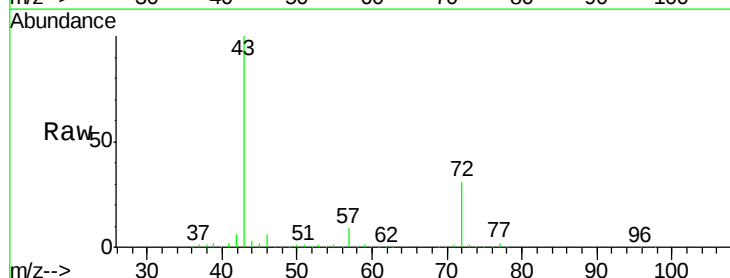
Acq: 07 Jul 2018 10:34

Tgt Ion: 43 Resp: 1028590

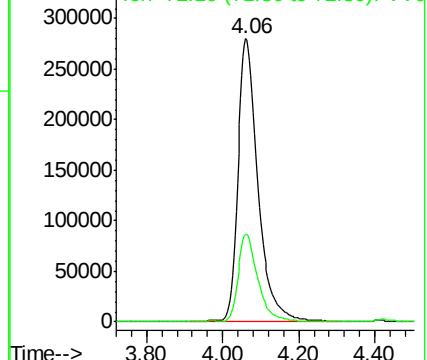
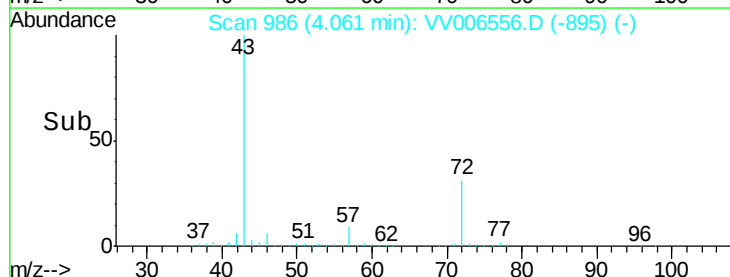
Ion Ratio Lower Upper

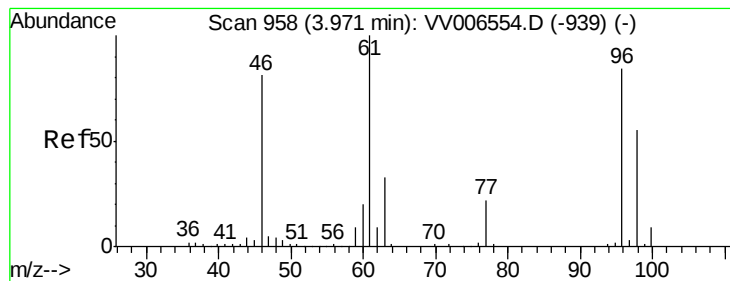
43 100

72 29.9 15.1 45.3



Abundance Ion 43.05 (42.75 to 43.75): VV006556.D (-895) (-)



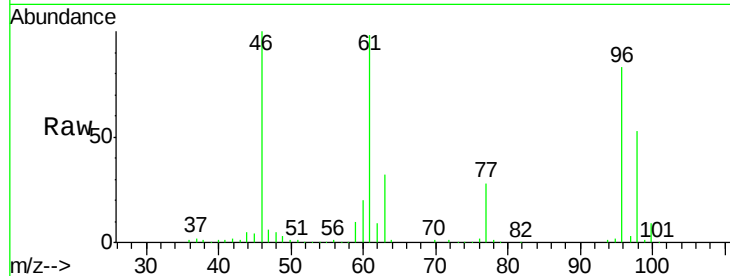


#22

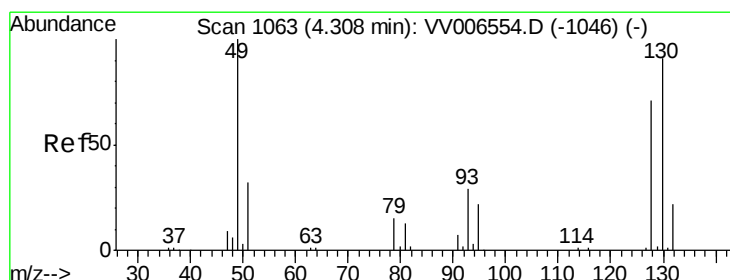
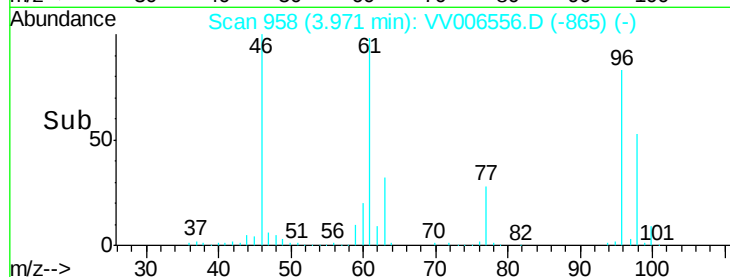
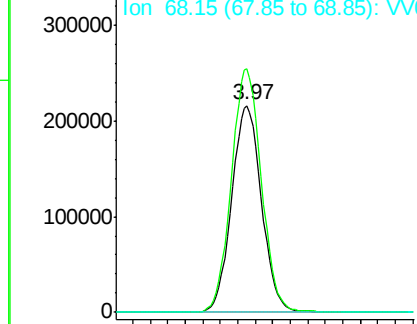
cis-1,2-Dichloroethene
 Concen: 20.282 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion: 96 Resp: 511977
 Ion Ratio Lower Upper
 96 100
 61 117.9 83.8 155.6
 68 0.0 0.0 0.0



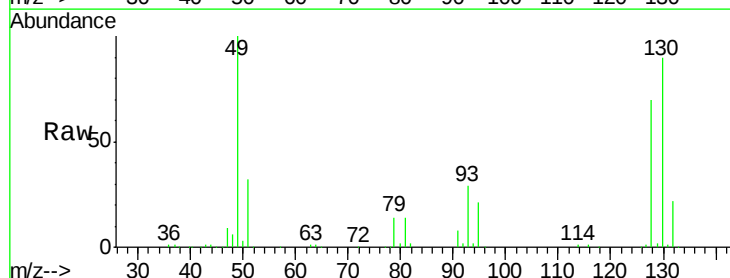
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



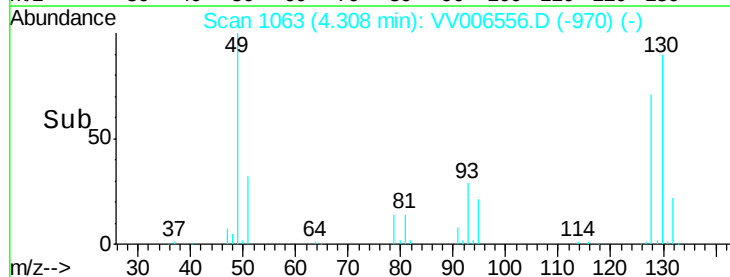
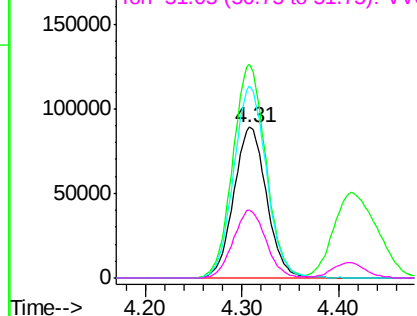
#23

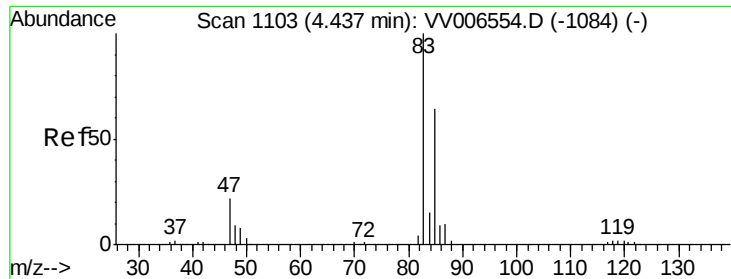
Bromochloromethane
 Concen: 20.347 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion: 128 Resp: 209570
 Ion Ratio Lower Upper
 128 100
 49 141.9 98.8 183.4
 130 127.3 89.5 166.1
 51 45.2 36.2 54.2



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

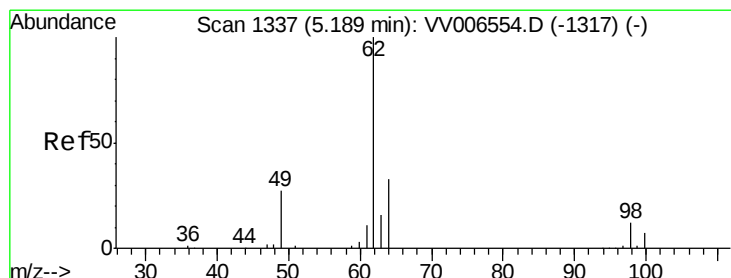
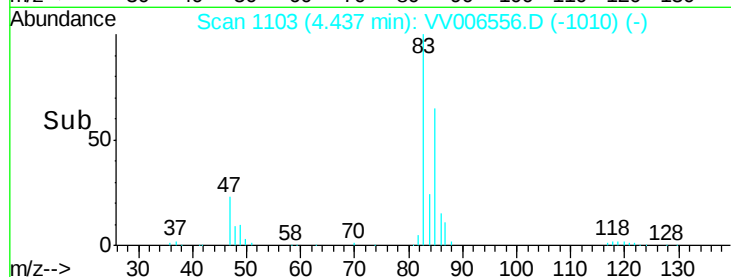
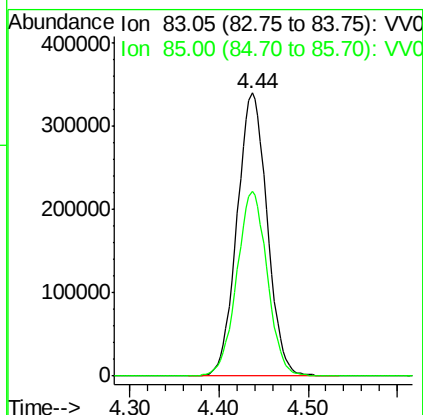
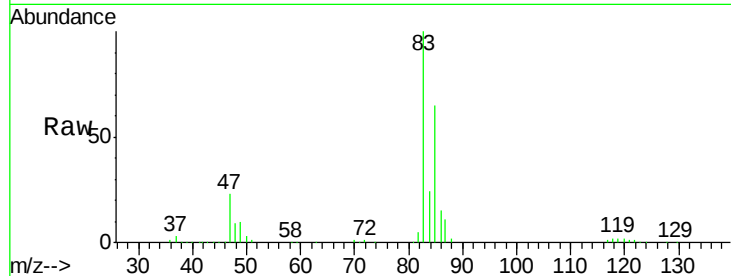




#25
Chloroform
Concen: 19.410 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

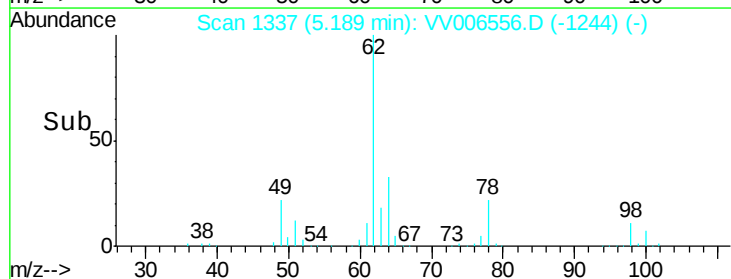
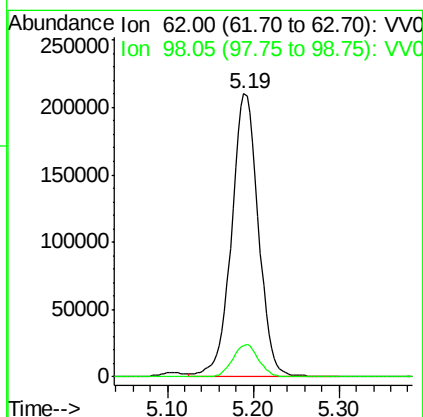
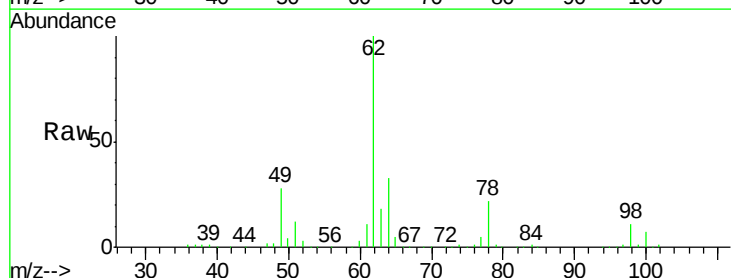
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

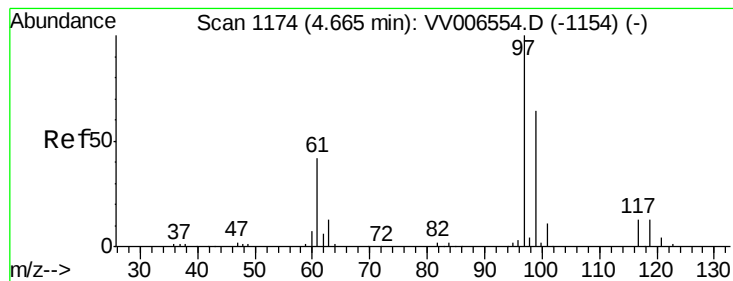
Tgt Ion: 83 Resp: 798557
Ion Ratio Lower Upper
83 100
85 65.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 19.658 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Tgt Ion: 62 Resp: 453959
Ion Ratio Lower Upper
62 100
98 11.1 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 19.547 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

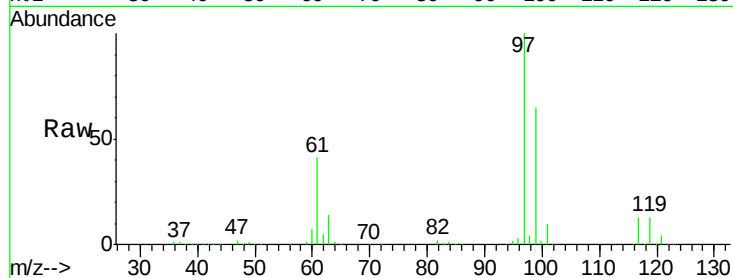
Tgt Ion: 97 Resp: 681746

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

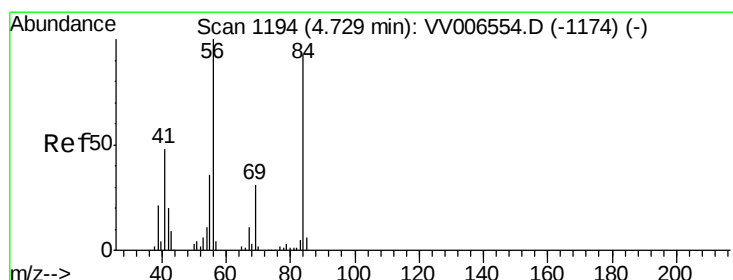
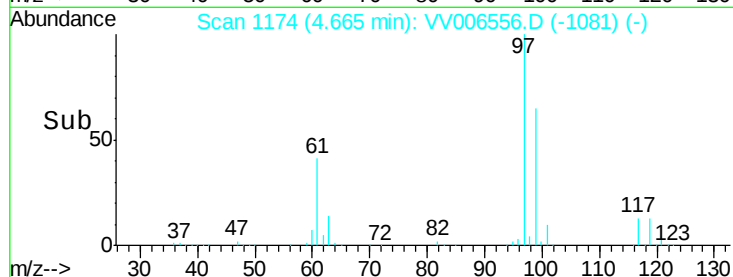
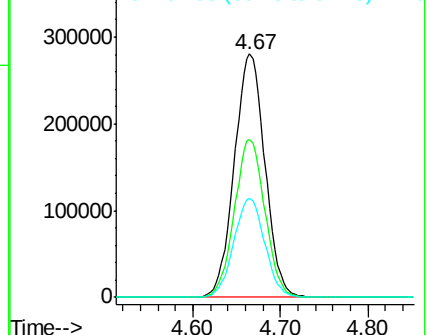
61 41.2 33.7 50.5



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: 20.880 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

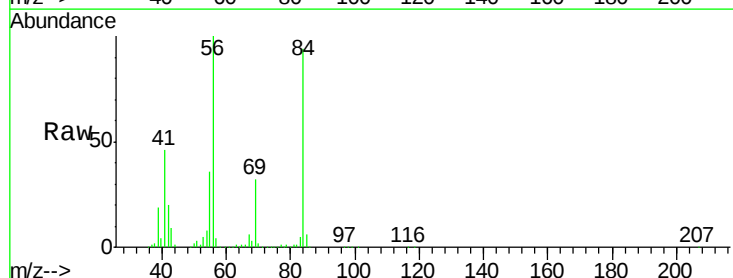
Tgt Ion: 56 Resp: 741001

Ion Ratio Lower Upper

56 100

69 32.1 25.5 38.3

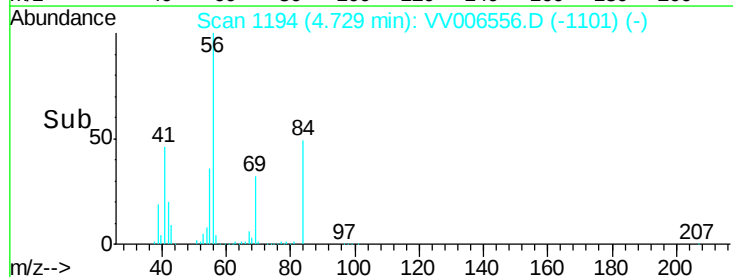
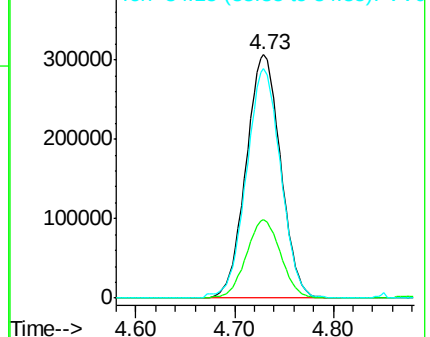
84 93.3 74.7 112.1

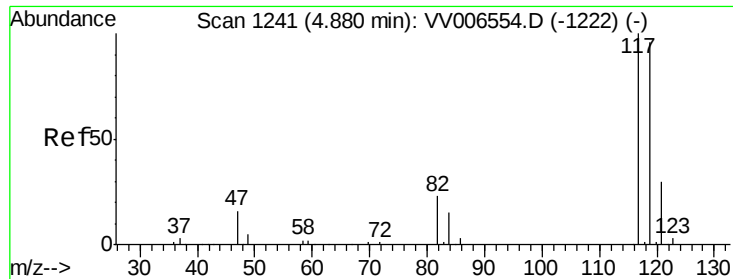


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 19.944 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

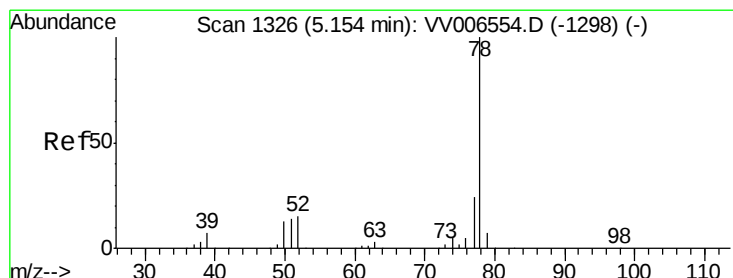
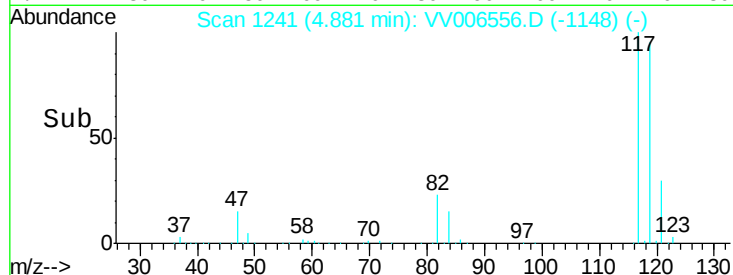
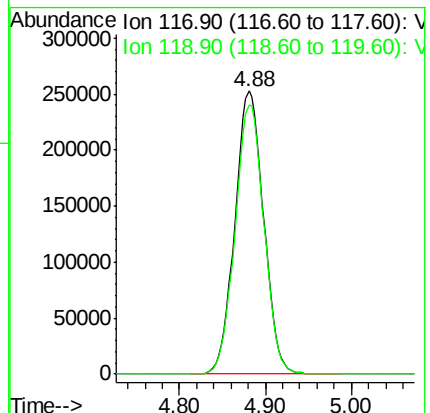
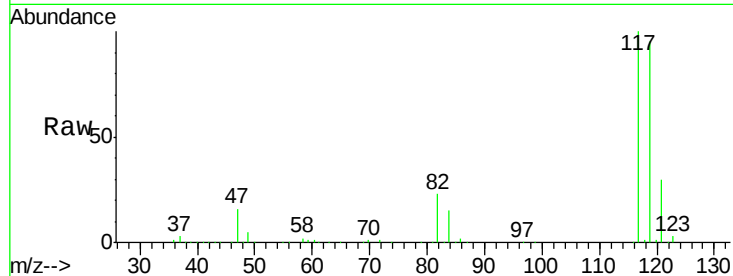
VSTD02065

Tgt Ion:117 Resp: 585433

Ion Ratio Lower Upper

117 100

119 95.8 76.0 114.0



#33

Benzene

Concen: 19.883 ug/L

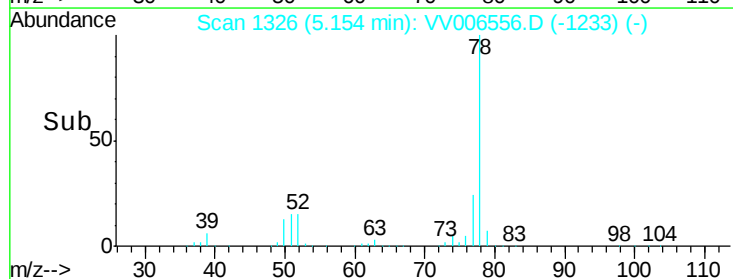
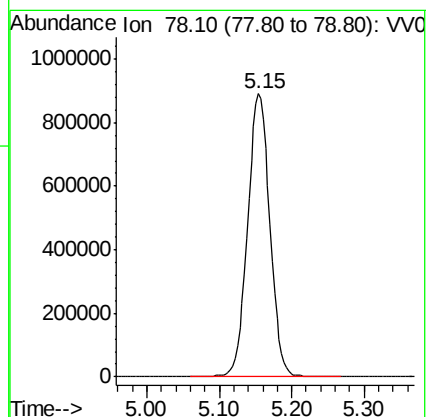
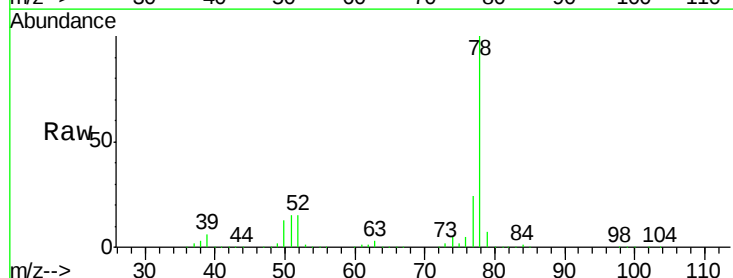
RT: 5.15 min Scan# 1326

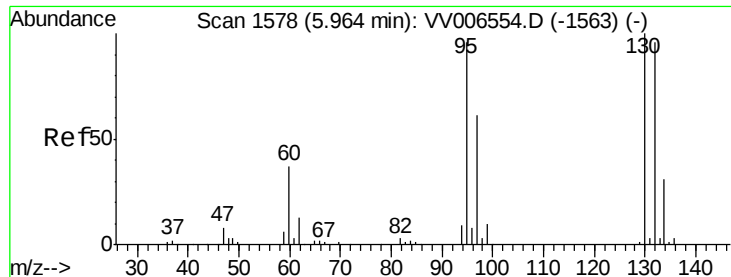
Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Tgt Ion: 78 Resp: 1898803

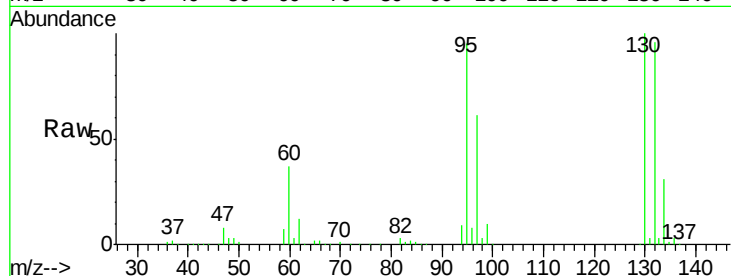




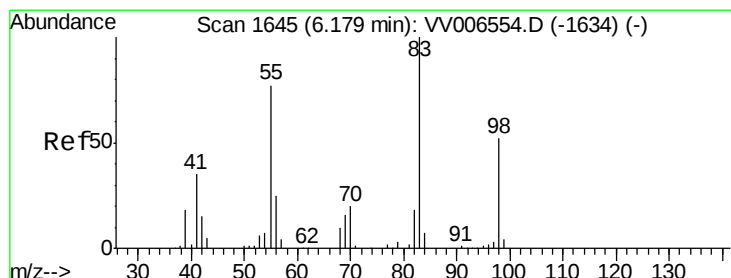
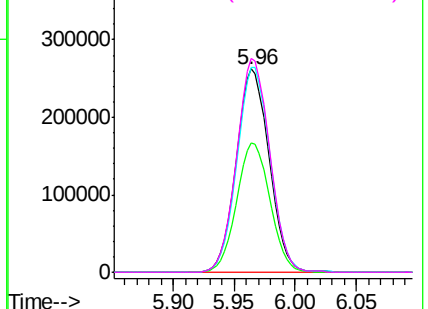
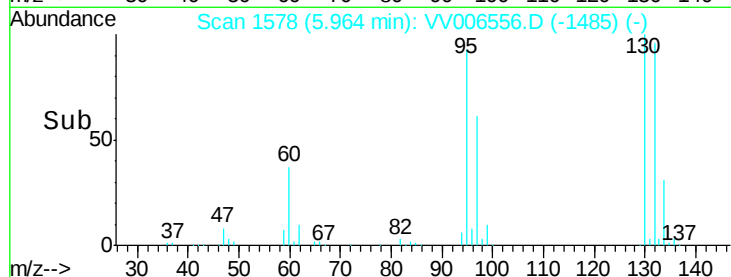
#34
 Trichloroethene
 Concen: 18.181 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion: 95 Resp: 488554
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.3 82.3
 132 100.8 70.0 130.0
 130 105.2 72.7 134.9

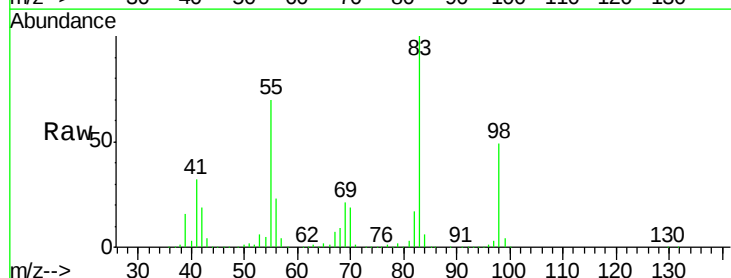


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

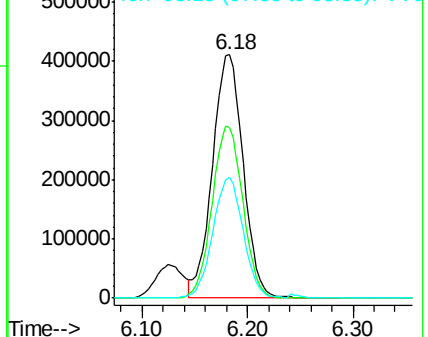
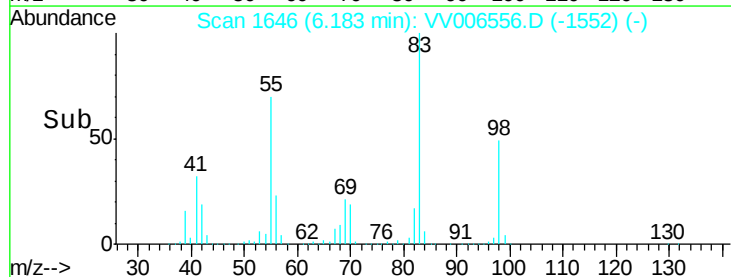


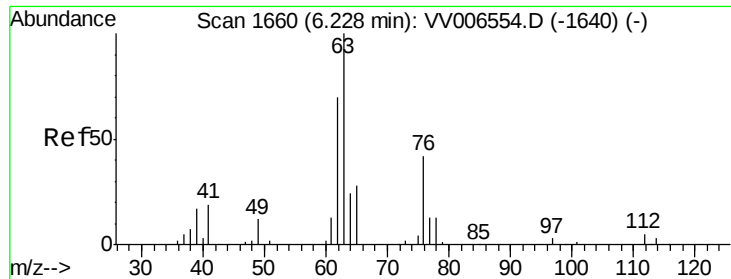
#35
 Methylcyclohexane
 Concen: 20.806 ug/L
 RT: 6.18 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion: 83 Resp: 829915
 Ion Ratio Lower Upper
 83 100
 55 70.7 58.3 87.5
 98 49.3 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

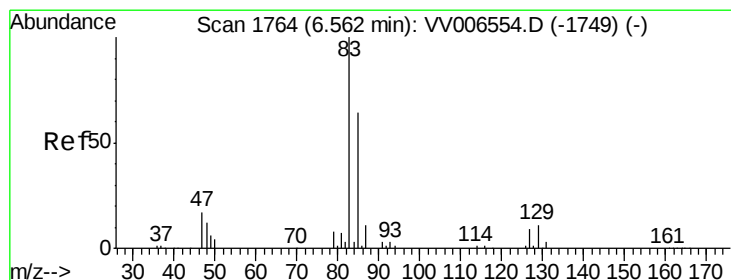
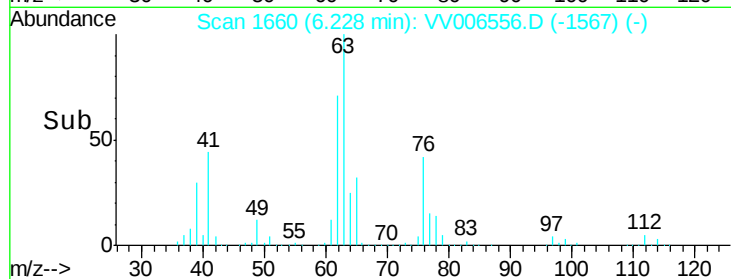
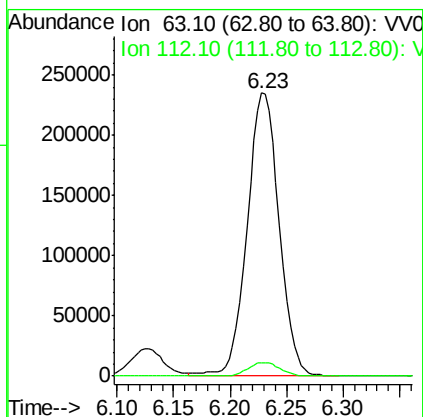
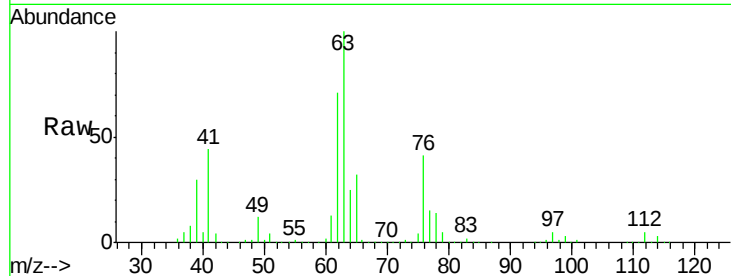




#37
 1,2-Dichloropropane
 Concen: 19.750 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

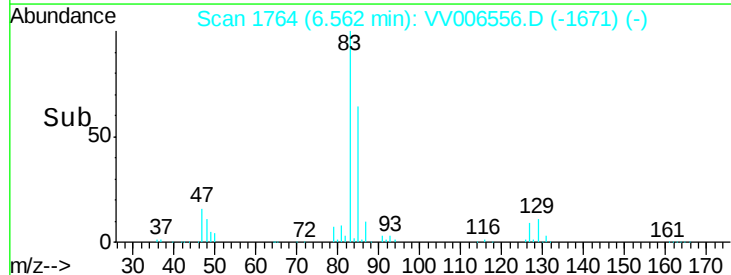
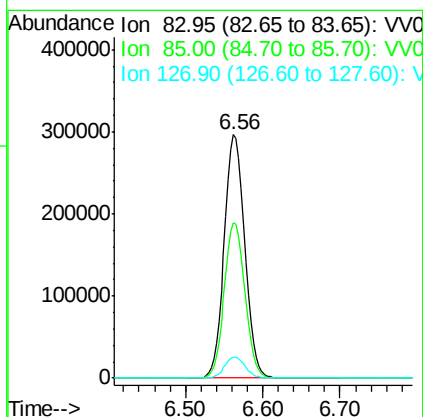
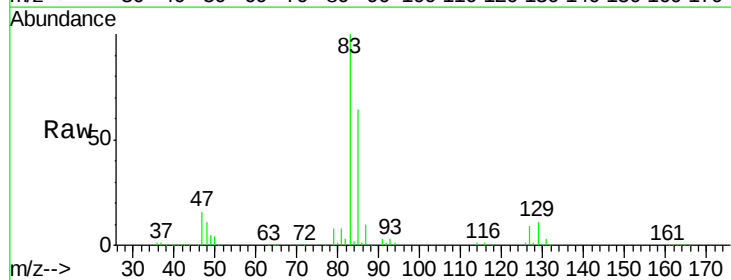
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

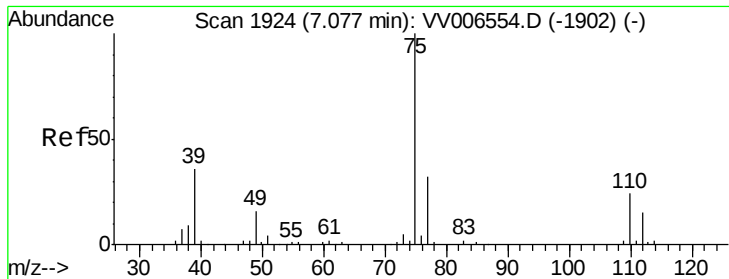
Tgt Ion: 63 Resp: 459538
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 20.462 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion: 83 Resp: 546016
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.7
 127 8.6 6.9 10.3

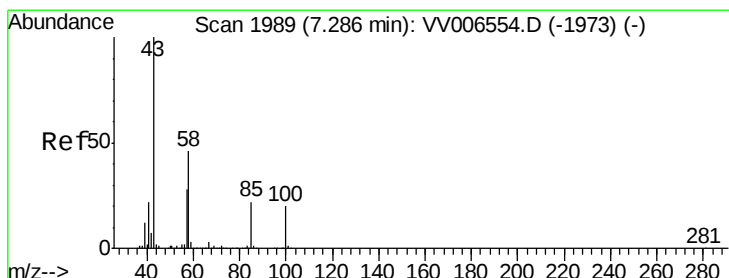
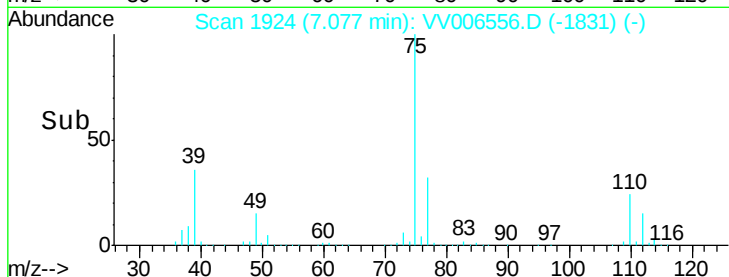
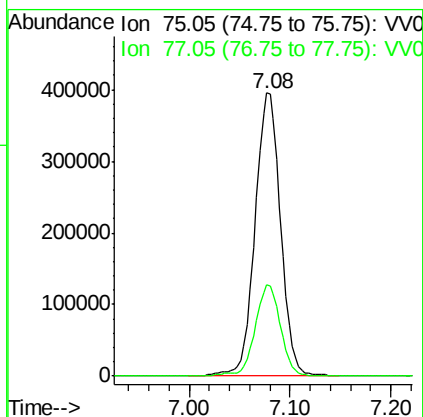
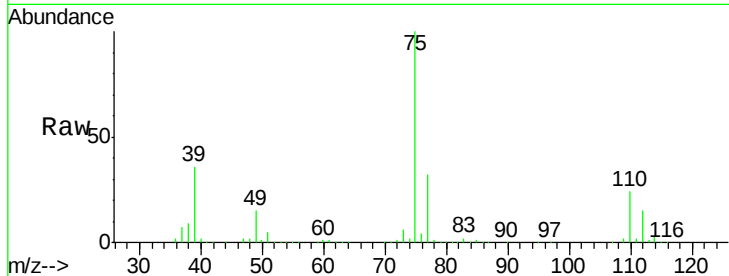




#39
 cis-1,3-Dichloropropene
 Concen: 21.428 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

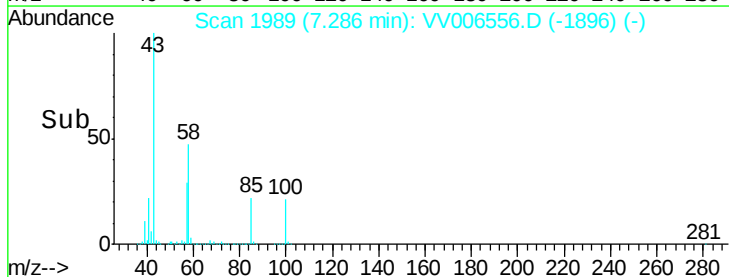
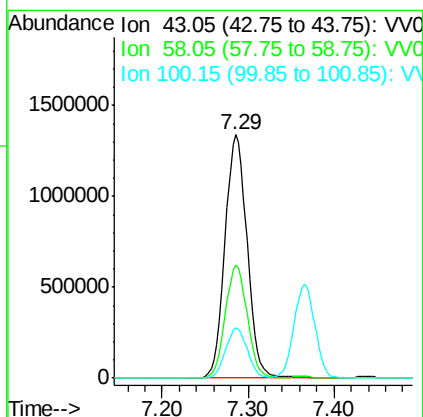
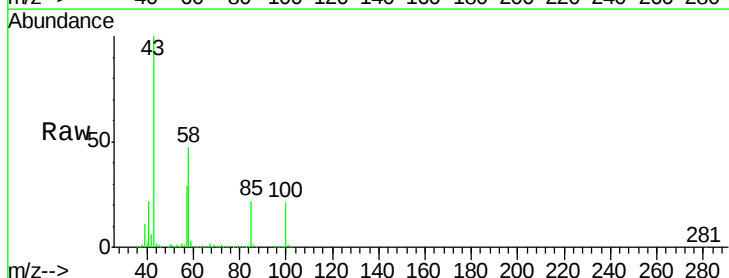
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

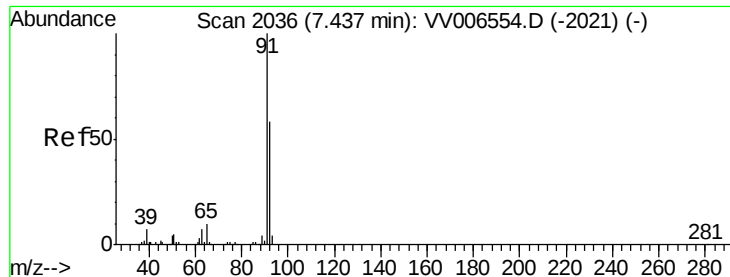
Tgt Ion: 75 Resp: 690367
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 210.055 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion: 43 Resp: 2402346
 Ion Ratio Lower Upper
 43 100
 58 45.9 35.8 53.6
 100 20.2 15.4 23.0





#42

Toluene

Concen: 19.965 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

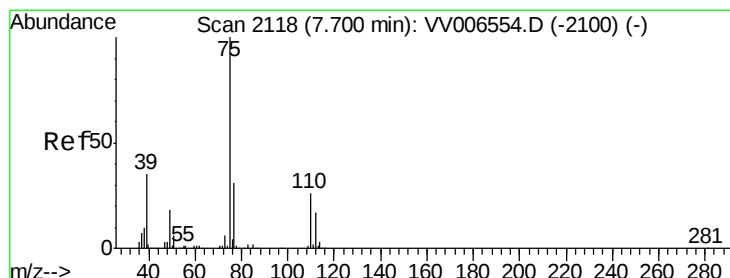
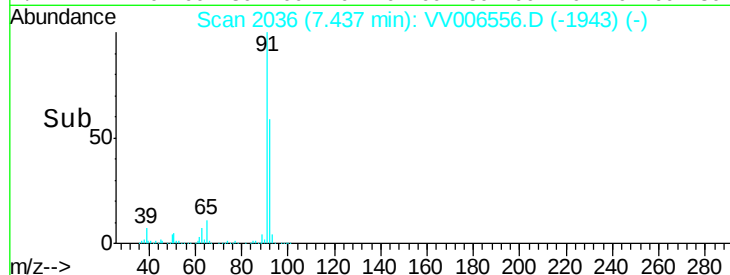
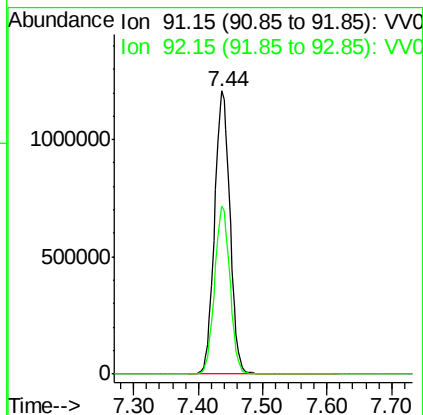
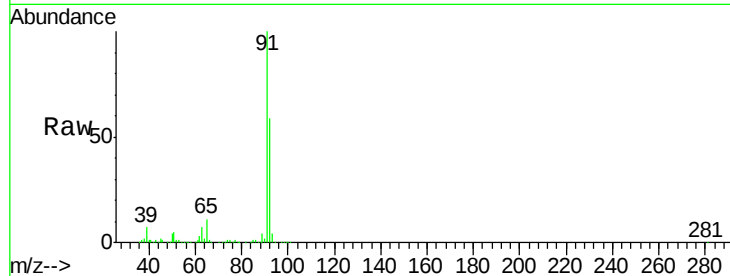
VSTD02065

Tgt Ion: 91 Resp: 2014178

Ion Ratio Lower Upper

91 100

92 59.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 21.555 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006556.D

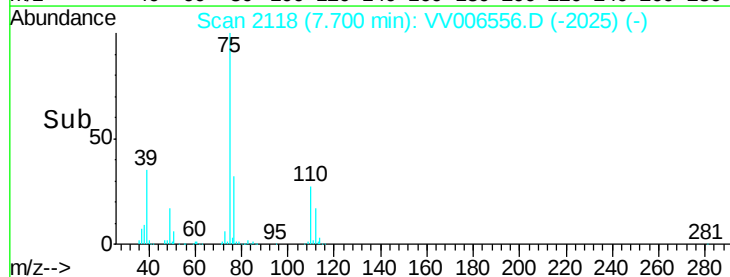
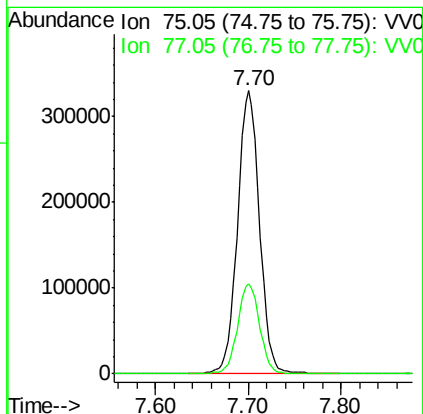
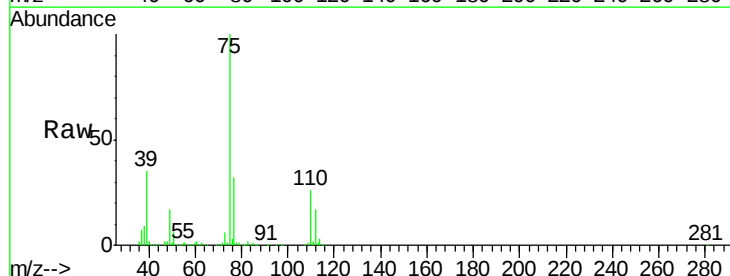
Acq: 07 Jul 2018 10:34

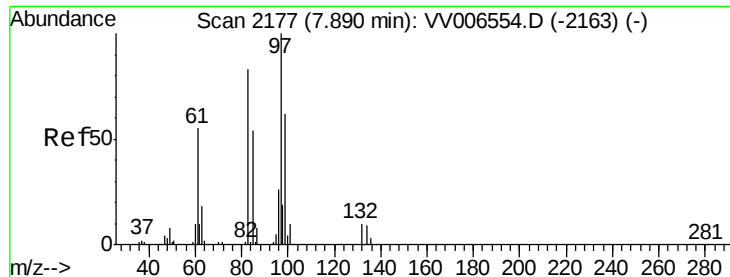
Tgt Ion: 75 Resp: 542740

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

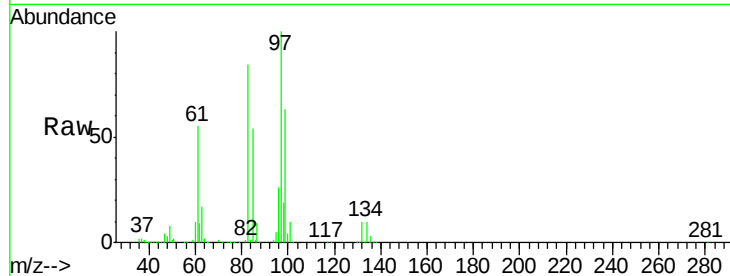




#45
 1,1,2-Trichloroethane
 Concen: 20.079 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion:	97	Resp:	323784
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.3
83	84.0	58.0	107.8
85	54.2	37.8	70.2

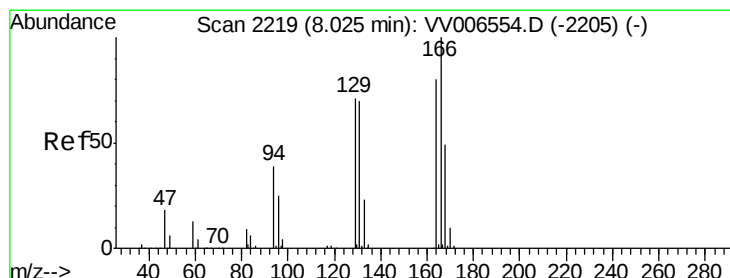
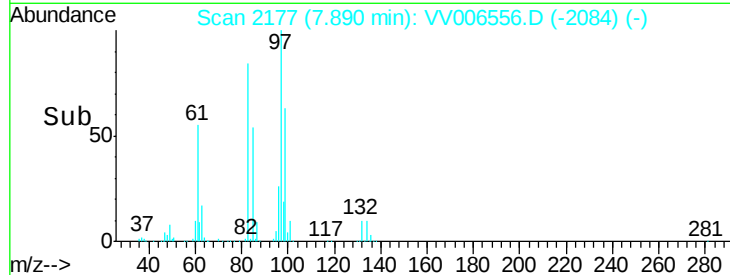
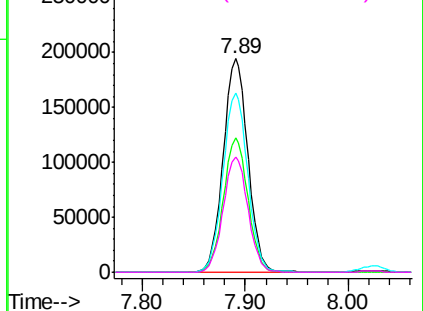


Abundance Ion 96.95 (96.65 to 97.65): VV006556.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006556.D (-2084) (-)

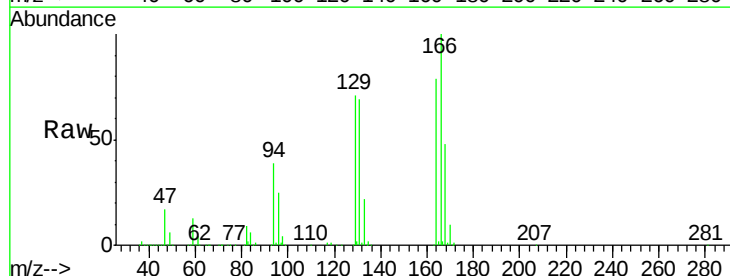
Ion 82.95 (82.65 to 83.65): VV006556.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006556.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 19.879 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion:	164	Resp:	410460
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.1	115.3
131	87.2	60.8	113.0
166	126.3	87.1	161.7

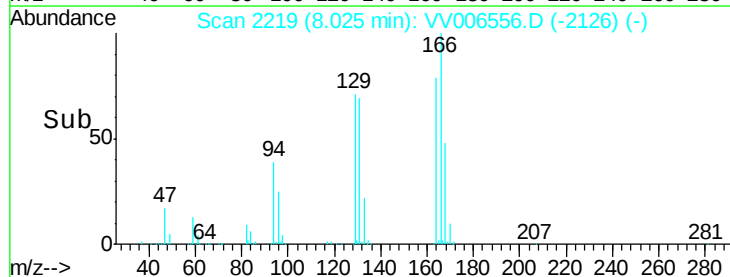
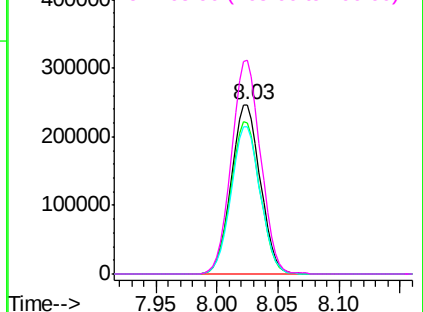


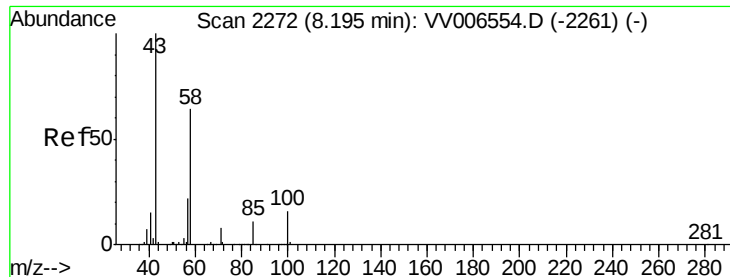
Abundance Ion 163.90 (163.60 to 164.60): VV006556.D (-2126) (-)

Ion 128.95 (128.65 to 129.65): VV006556.D (-2126) (-)

Ion 130.95 (130.65 to 131.65): VV006556.D (-2126) (-)

Ion 165.90 (165.60 to 166.60): VV006556.D (-2126) (-)

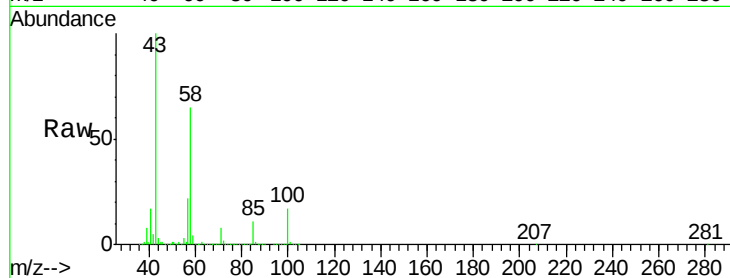




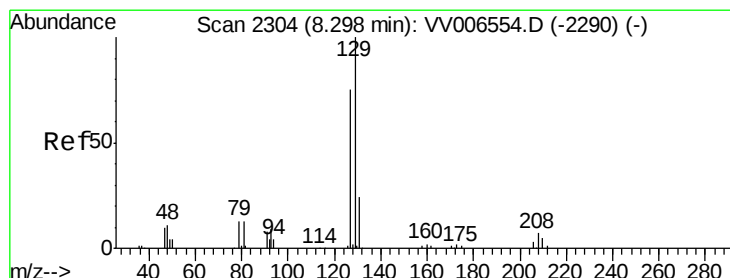
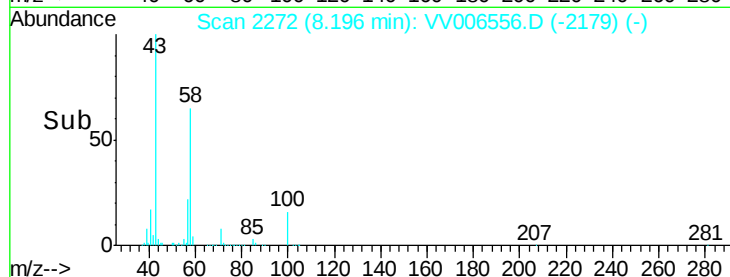
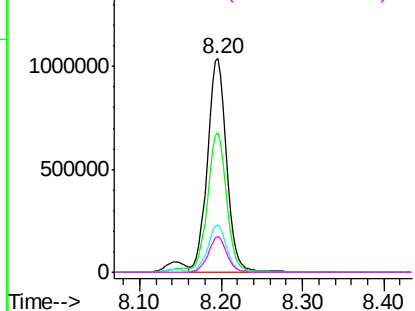
#48
2-Hexanone
Concen: 207.341 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Tgt Ion: 43 Resp: 1703751
Ion Ratio Lower Upper
43 100
58 65.2 50.3 75.5
57 22.1 17.0 25.4
100 16.2 12.3 18.5

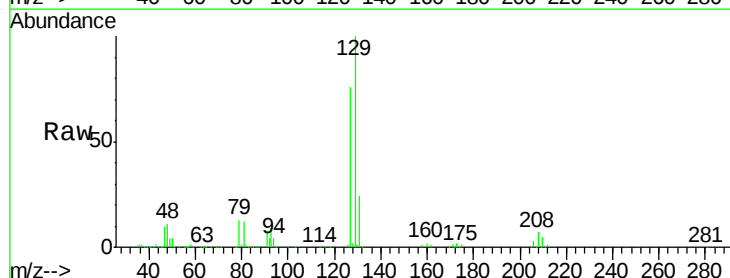


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

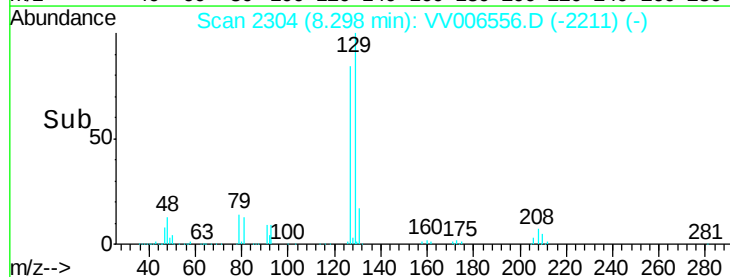
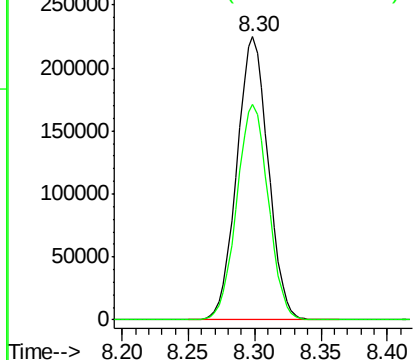


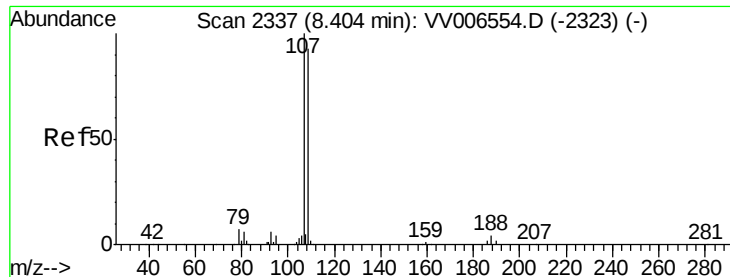
#49
Dibromochloromethane
Concen: 21.564 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Tgt Ion: 129 Resp: 368635
Ion Ratio Lower Upper
129 100
127 76.4 52.7 97.9



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

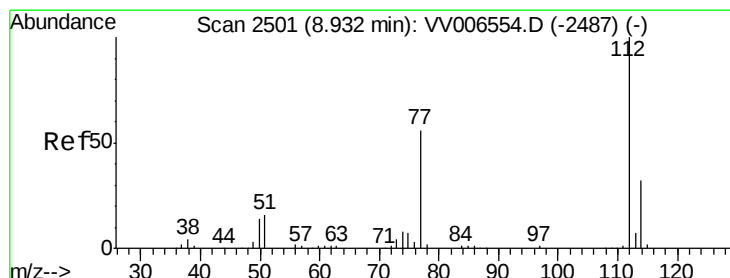
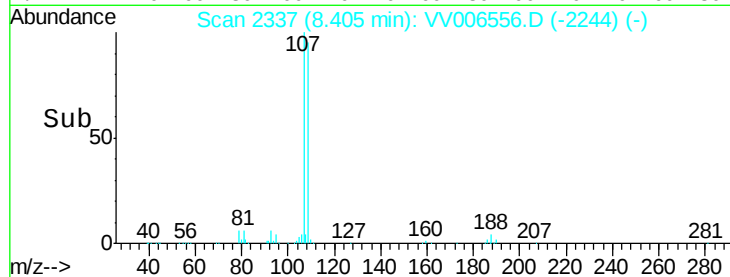
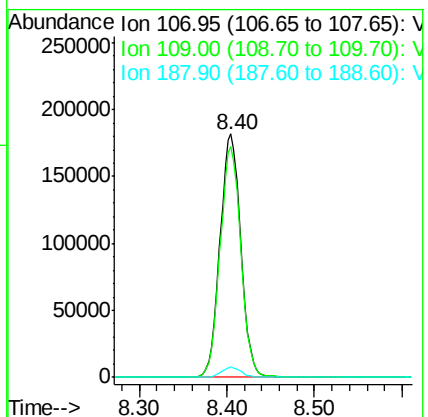
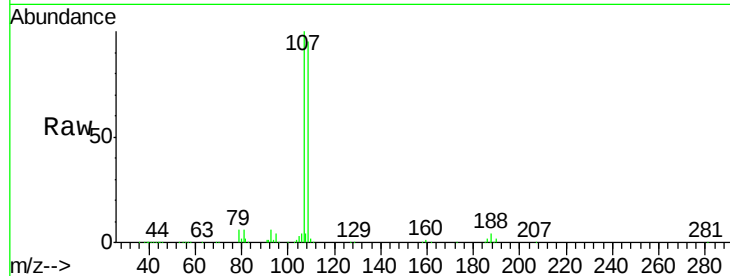




#50
1,2-Dibromoethane
Concen: 20.644 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

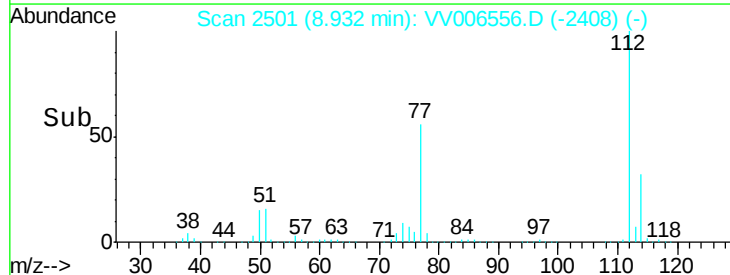
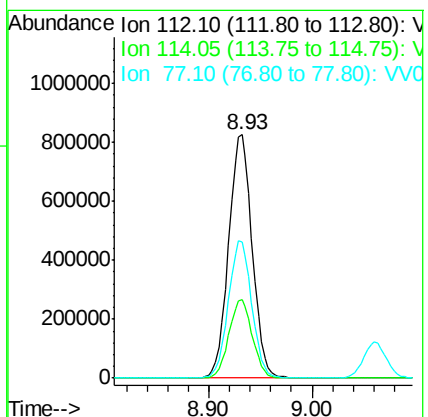
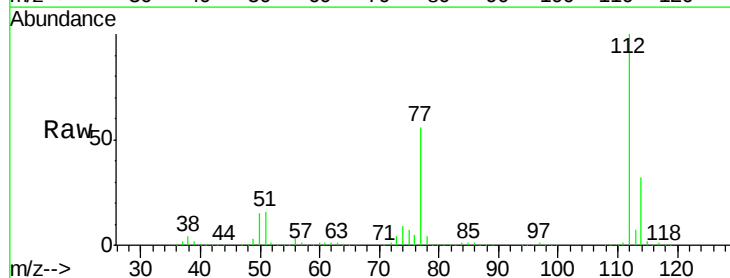
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

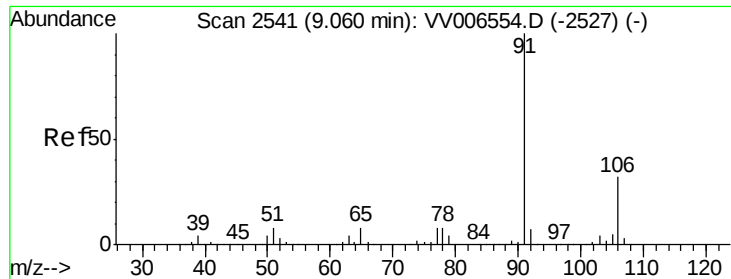
Tgt Ion:107 Resp: 299092
Ion Ratio Lower Upper
107 100
109 94.9 65.2 121.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 19.763 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006556.D
Acq: 07 Jul 2018 10:34

Tgt Ion:112 Resp: 1315471
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.1 45.1 67.7





#52

Ethylbenzene

Concen: 20.538 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

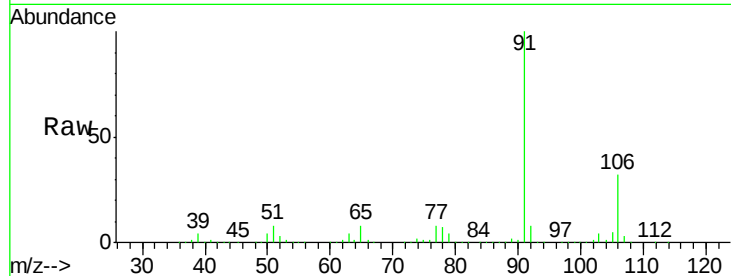
VSTD02065

Tgt Ion: 91 Resp: 2238192

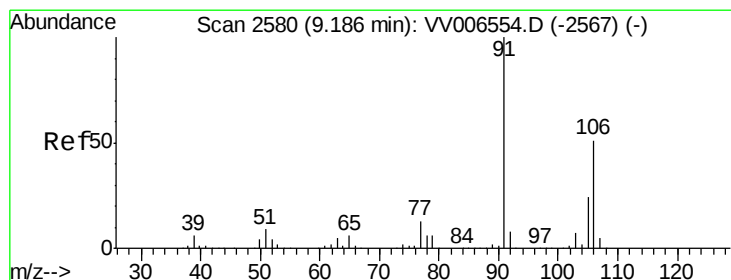
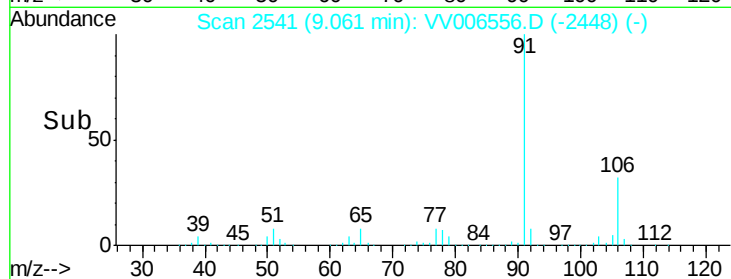
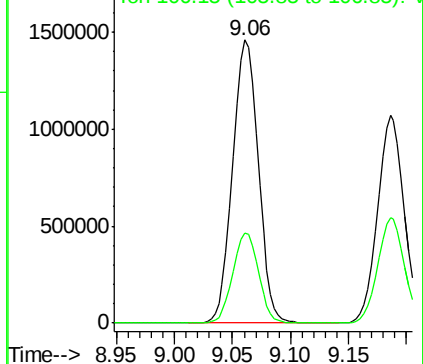
Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006556.D (-2448) (-)



#53

m,p-xylene

Concen: 20.879 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006556.D

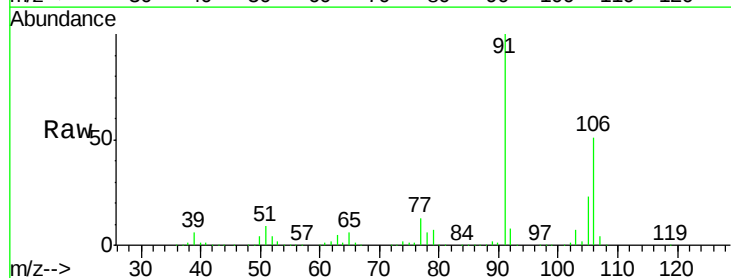
Acq: 07 Jul 2018 10:34

Tgt Ion: 106 Resp: 878379

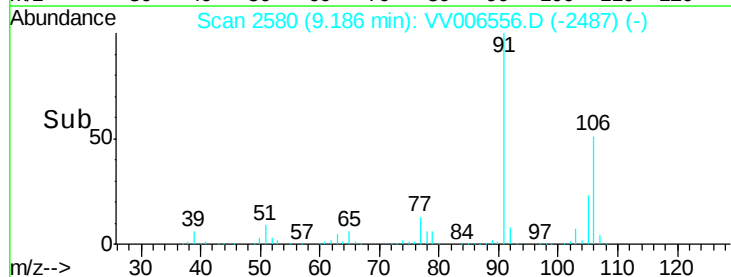
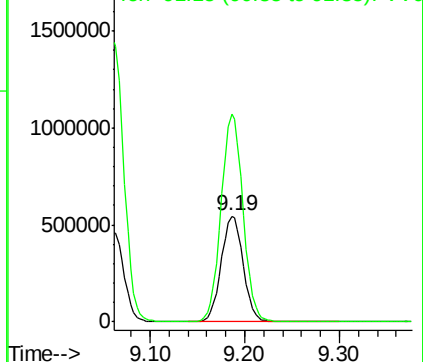
Ion Ratio Lower Upper

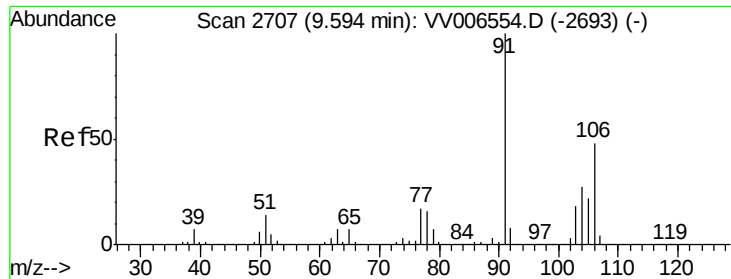
106 100

91 196.2 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006556.D (-2487) (-)





#54

o-xylene

Concen: 20.841 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

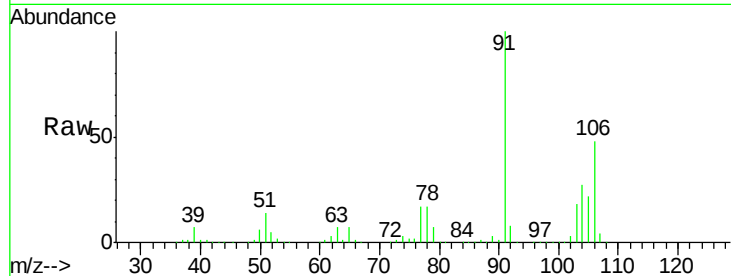
VSTD02065

Tgt Ion:106 Resp: 858121

Ion Ratio Lower Upper

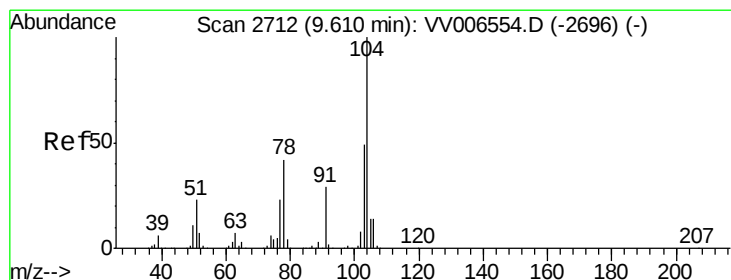
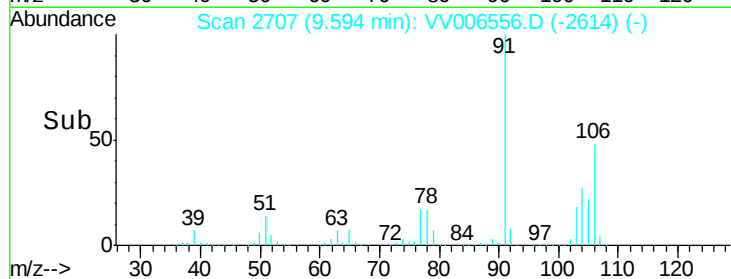
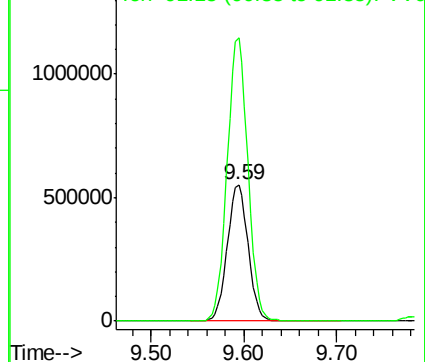
106 100

91 207.2 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 21.484 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006556.D

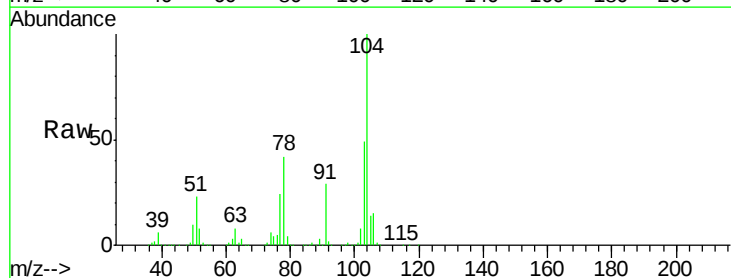
Acq: 07 Jul 2018 10:34

Tgt Ion:104 Resp: 1454245

Ion Ratio Lower Upper

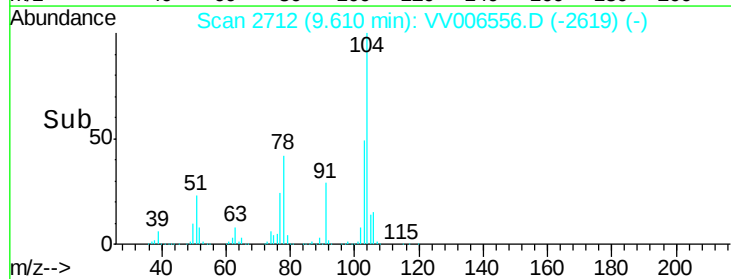
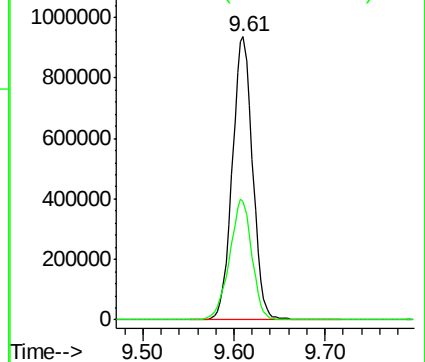
104 100

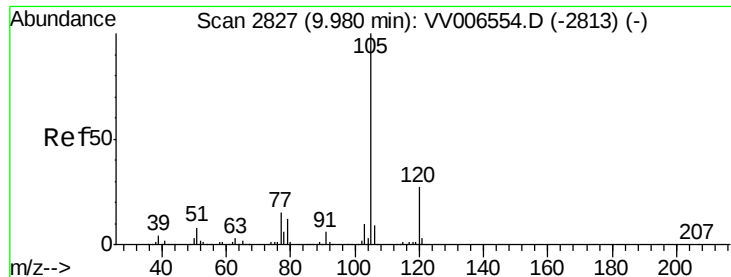
78 41.8 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.661 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

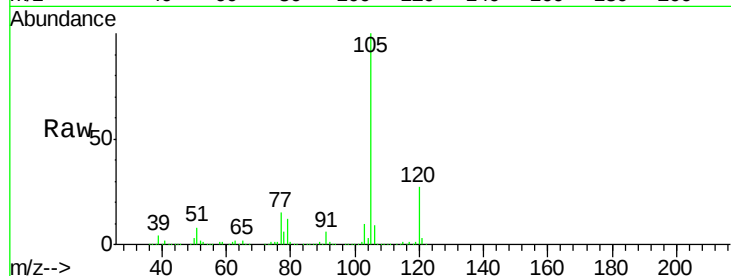
Tgt Ion: 105 Resp: 2214018

Ion Ratio Lower Upper

105 100

120 27.4 21.5 32.3

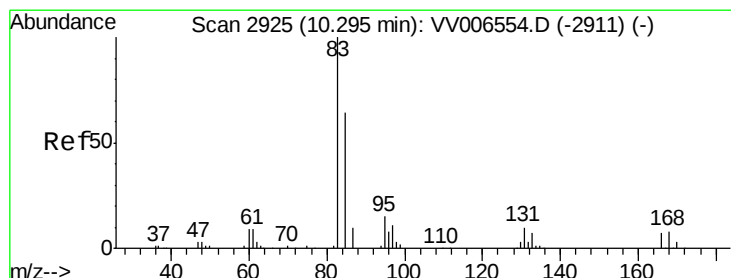
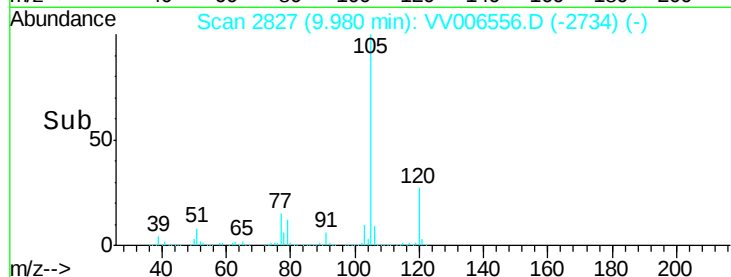
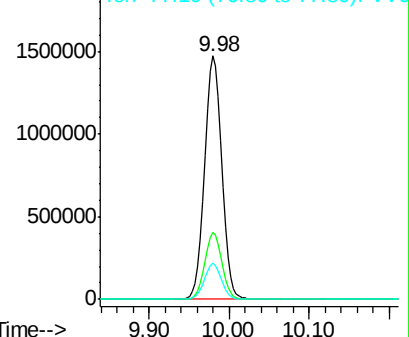
77 14.6 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): VV006554.D (-2813) (-)

Ion 120.10 (119.80 to 120.80): VV006554.D (-2813) (-)

Ion 77.10 (76.80 to 77.80): VV006554.D (-2813) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 24.295 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

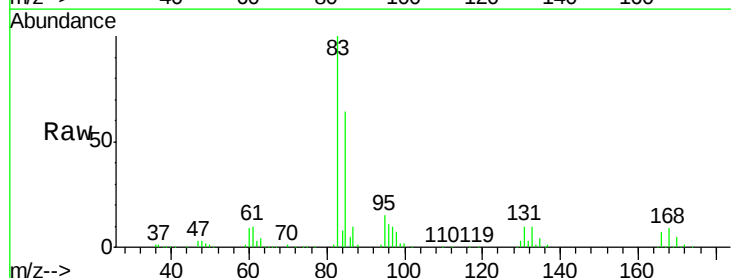
Tgt Ion: 83 Resp: 386586

Ion Ratio Lower Upper

83 100

85 64.2 44.7 83.1

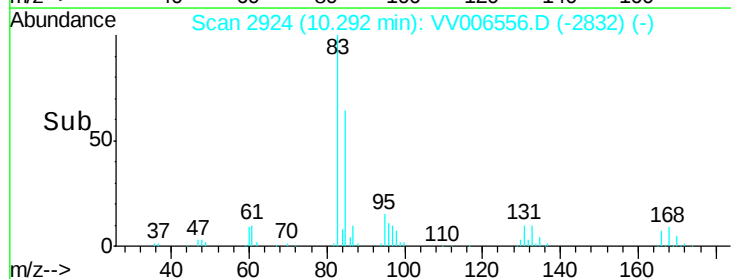
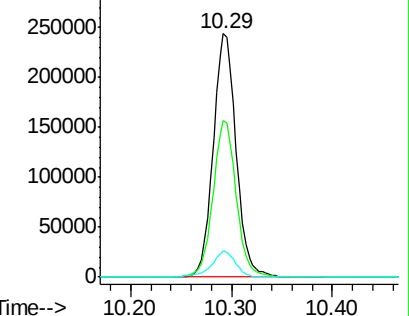
131 10.5 8.6 13.0

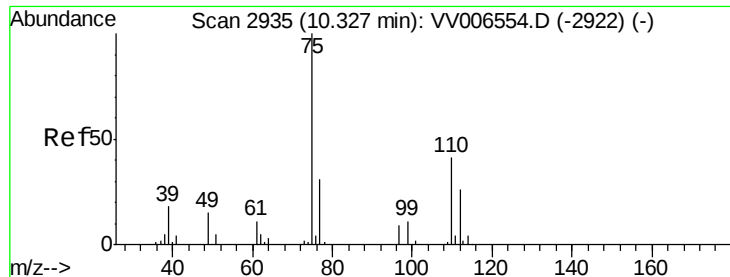


Abundance Ion 82.95 (82.65 to 83.65): VV006554.D (-2911) (-)

Ion 85.00 (84.70 to 85.70): VV006554.D (-2911) (-)

Ion 130.95 (130.65 to 131.65): VV006554.D (-2911) (-)





#59

1,2,3-Trichloropropane

Concen: 21.397 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

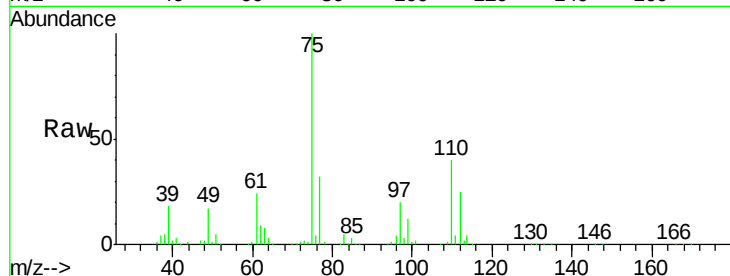
VSTD02065

Tgt Ion: 75 Resp: 275164

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV006554.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006554.D (-2922) (-)

10.32

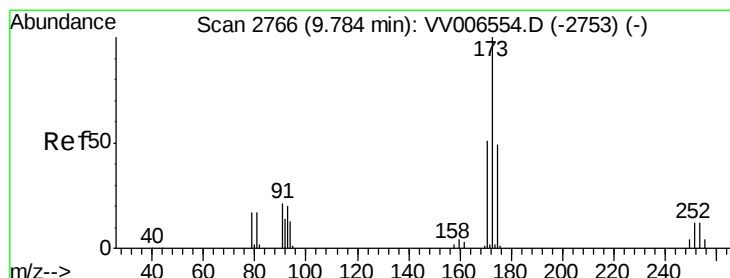
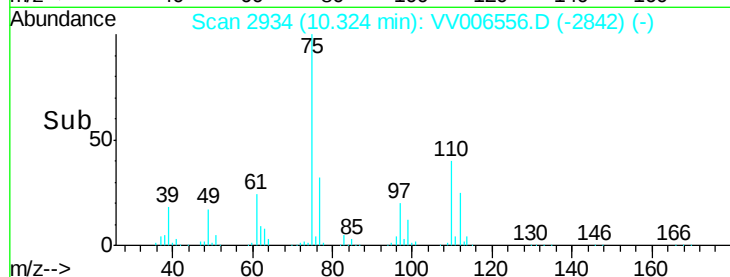
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 21.767 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

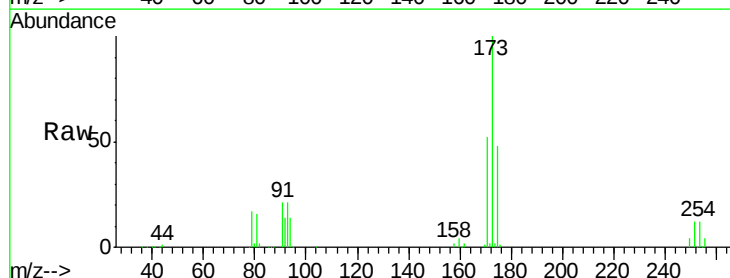
Tgt Ion: 173 Resp: 198423

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 11.8 9.6 14.4



Abundance Ion 172.90 (172.60 to 173.60): VV006554.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006554.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006554.D (-2753) (-)

9.78

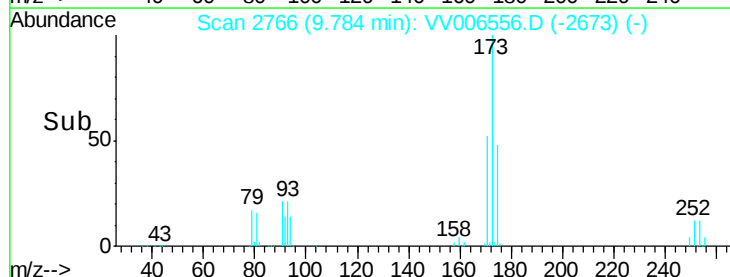
150000

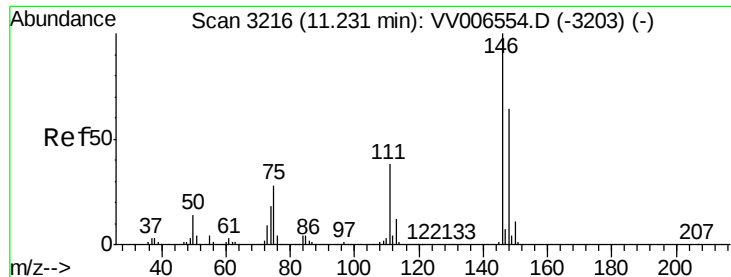
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.440 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

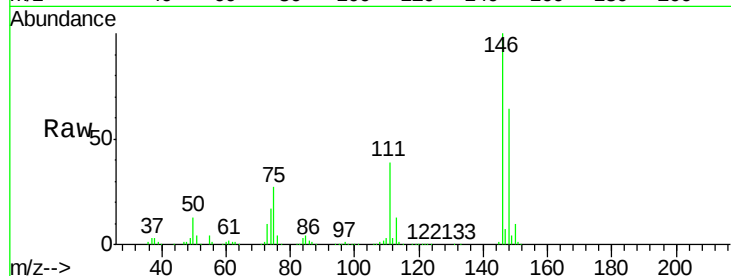
Tgt Ion:146 Resp: 1029882

Ion Ratio Lower Upper

146 100

111 39.2 26.9 49.9

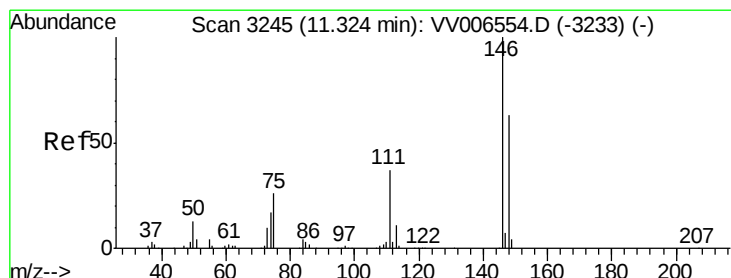
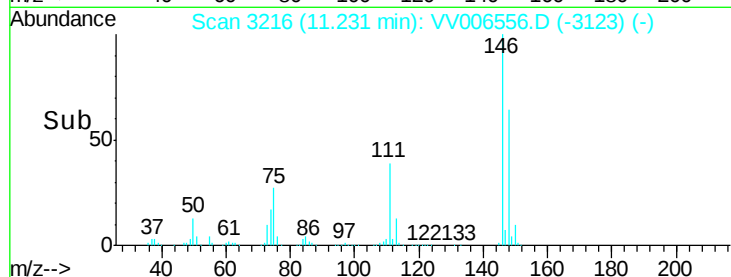
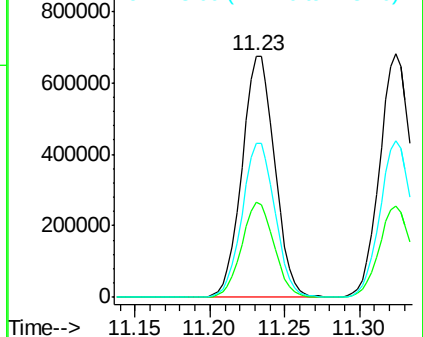
148 64.0 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.383 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

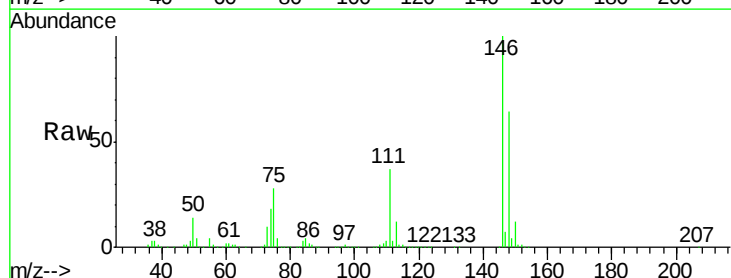
Tgt Ion:146 Resp: 1031265

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.4

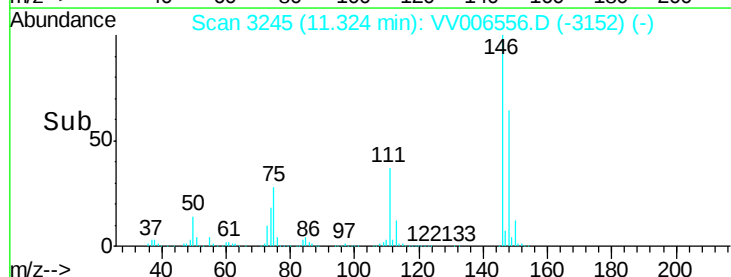
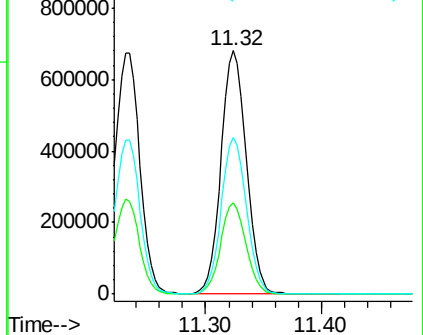
148 64.2 44.2 82.0

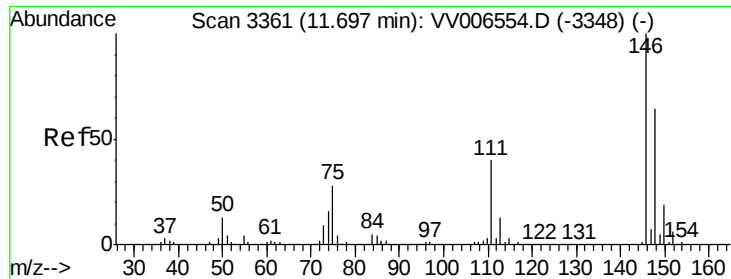


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.388 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

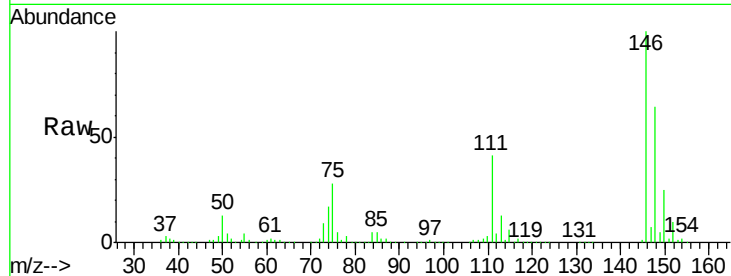
Tgt Ion:146 Resp: 969034

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

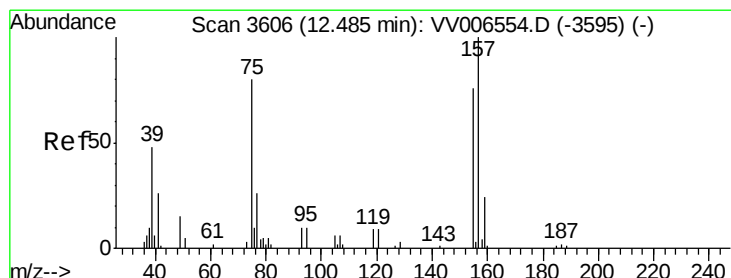
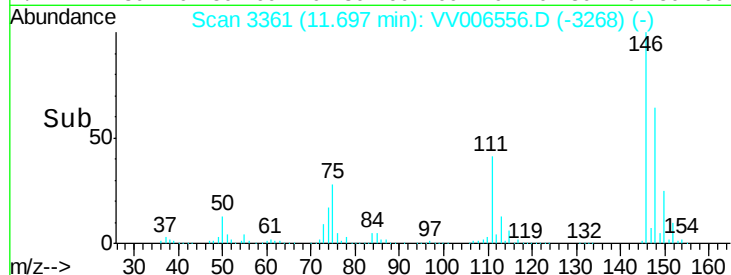
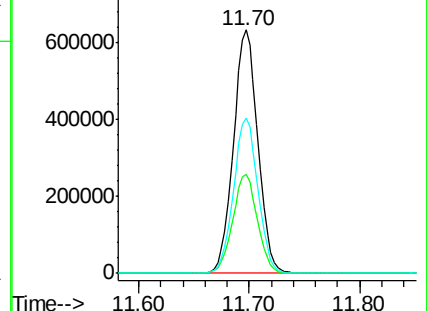
148 63.7 51.3 76.9



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: 25.236 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

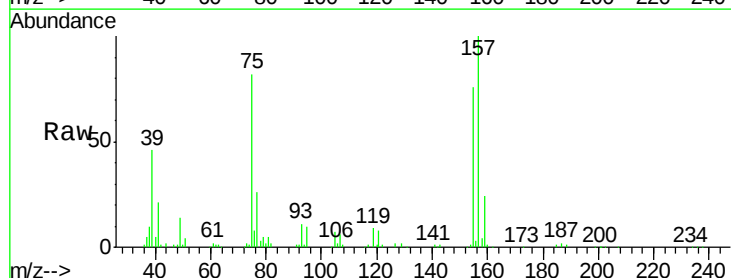
Tgt Ion: 75 Resp: 56094

Ion Ratio Lower Upper

75 100

155 92.6 75.4 113.2

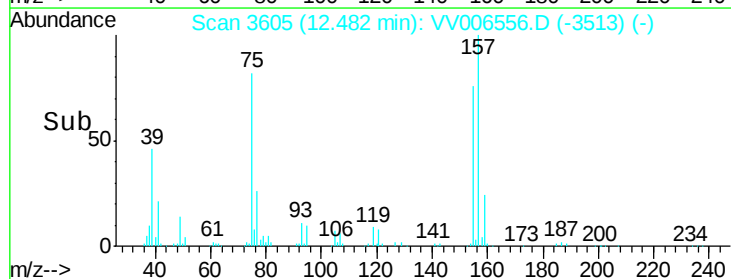
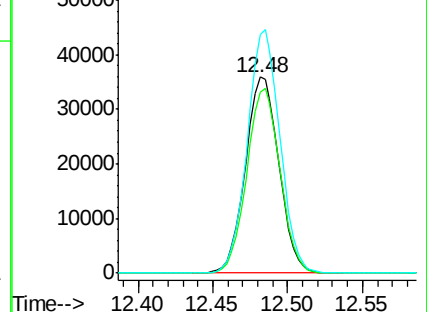
157 121.9 99.6 149.4

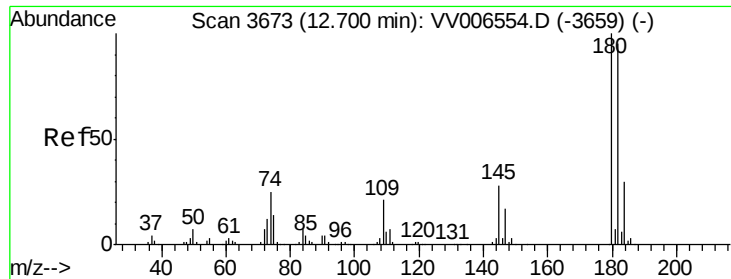


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

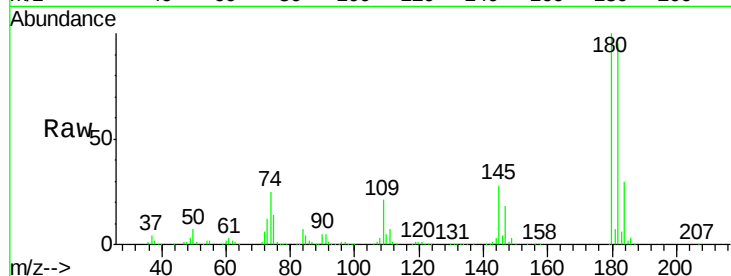




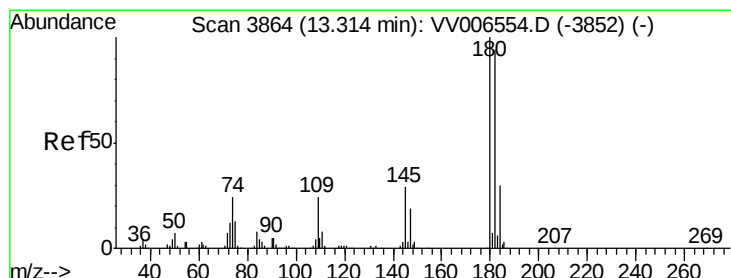
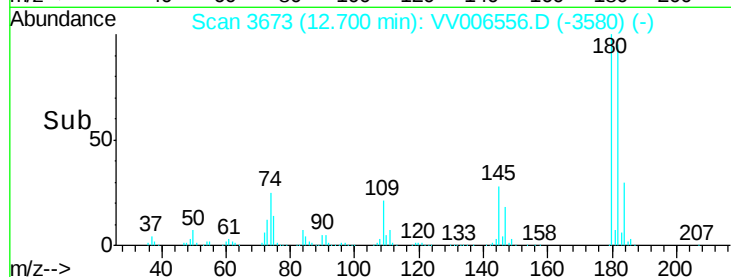
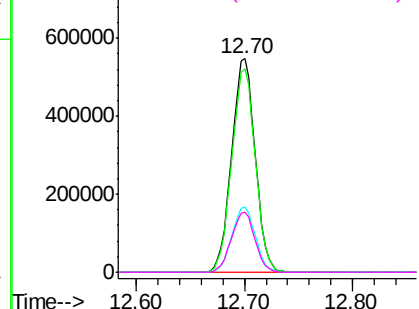
#67
 1,3,5-Trichlorobenzene
 Concen: 20.460 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion:180 Resp: 833008
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 184 30.4 24.1 36.1
 145 28.2 22.3 33.5

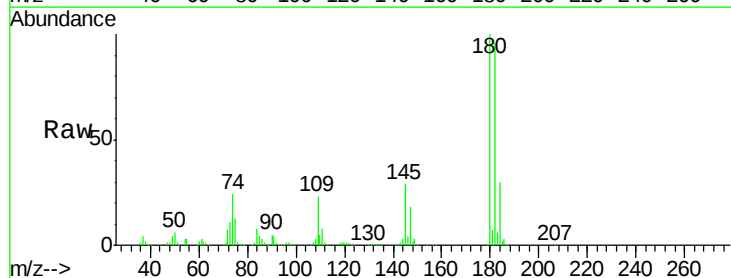


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

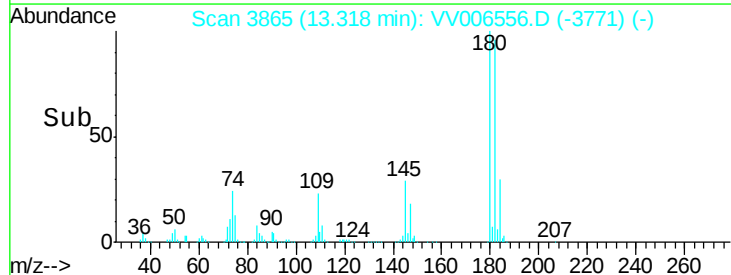
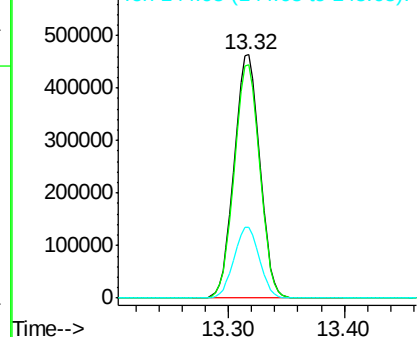


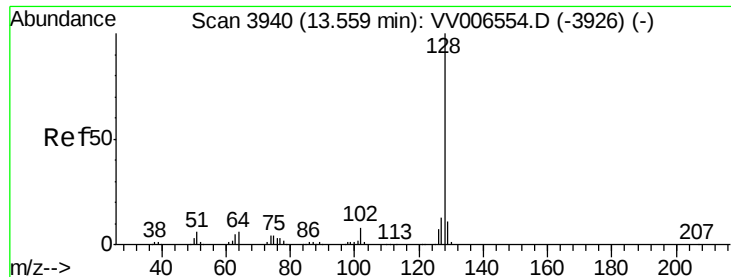
#68
 1,2,4-trichlorobenzene
 Concen: 23.367 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006556.D
 Acq: 07 Jul 2018 10:34

Tgt Ion:180 Resp: 702768
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.5 114.7
 145 28.8 23.0 34.4



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: 28.005 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

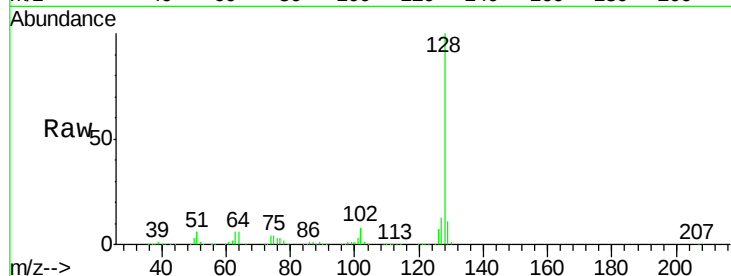
Tgt Ion:128 Resp: 1269409

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

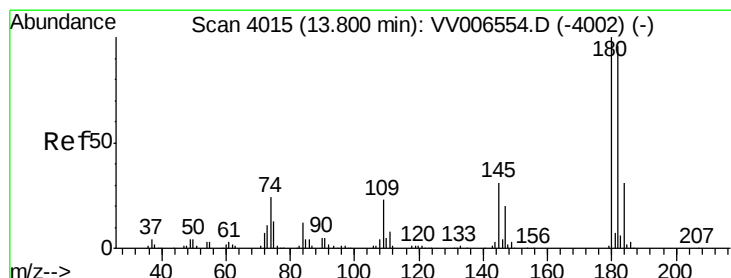
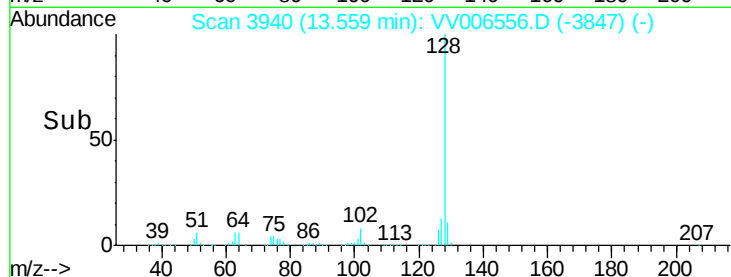
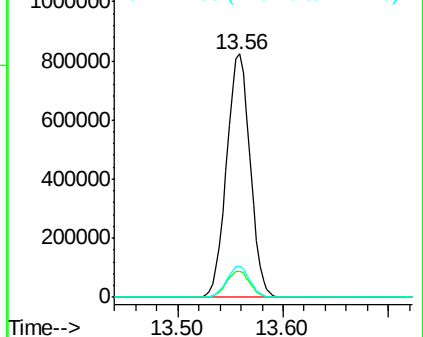
127 12.7 10.2 15.2



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: 23.105 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006556.D

Acq: 07 Jul 2018 10:34

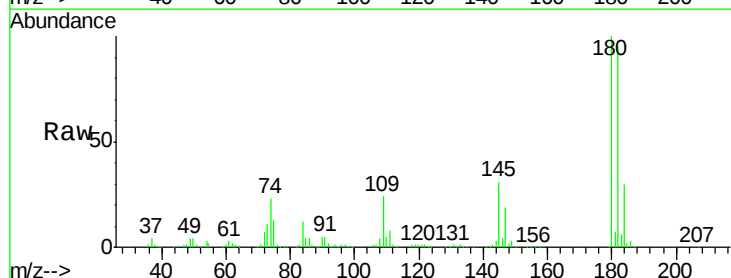
Tgt Ion:180 Resp: 650422

Ion Ratio Lower Upper

180 100

182 95.1 76.3 114.5

145 30.7 24.7 37.1



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

