

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006429.D
 Acq On : 25 Jun 2018 12:39
 Operator : SY/MD
 Sample : VSTD02084
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

Quant Time: Jun 26 06:02:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:00:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	346721	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	319945	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	160307	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	451253	19.80	ug/L	0.00
7) Chloroethane-d5	1.59	69	357000	19.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	782935	19.39	ug/L	0.00
20) 2-Butanone-d5	3.97	46	872084	209.52	ug/L	0.00
24) Chloroform-d	4.41	84	772259	19.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	359089	19.74	ug/L	0.00
32) Benzene-d6	5.11	84	1642897	19.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	489624	19.72	ug/L	0.00
41) Toluene-d8	7.37	98	1583537	20.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	193764	21.20	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	855137	236.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	325611	21.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	579996	19.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	392097	15.428 ug/L	# 86
3) Chloromethane	1.26	50	482914	18.540 ug/L	99
5) Vinyl chloride	1.32	62	541064	19.120 ug/L	100
6) Bromomethane	1.54	94	313377	19.120 ug/L	100
8) Chloroethane	1.60	64	330358	18.405 ug/L	99
9) Trichlorofluoromethane	1.77	101	637366	18.737 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	412825	19.321 ug/L	99
12) 1,1-Dichloroethene	2.14	96	393965	18.789 ug/L	99
13) Acetone	2.23	43	522673	199.610 ug/L	98
14) Carbon disulfide	2.32	76	1160895	19.606 ug/L	99
15) Methyl Acetate	2.48	43	152709	19.807 ug/L	98
16) Methylene chloride	2.54	84	424808	17.297 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	968359	19.055 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	432550	18.843 ug/L	100
19) 1,1-Dichloroethane	3.23	63	767131	18.762 ug/L	99
21) 2-Butanone	4.06	43	901015	199.459 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	488249	19.342 ug/L	99
23) Bromochloromethane	4.31	128	197271	19.233 ug/L	98
25) Chloroform	4.44	83	783045	19.002 ug/L	99
27) 1,2-Dichloroethane	5.19	62	441311	19.060 ug/L	100
29) 1,1,1-Trichloroethane	4.67	97	669669	19.194 ug/L	99
30) Cyclohexane	4.73	56	687127	19.704 ug/L	99
31) Carbon tetrachloride	4.88	117	570592	19.497 ug/L	99
33) Benzene	5.15	78	1781205	18.851 ug/L	100
34) Trichloroethene	5.96	95	483947	17.904 ug/L	99
35) Methylcyclohexane	6.18	83	784844	19.969 ug/L	99
37) 1,2-Dichloropropane	6.23	63	435807	18.874 ug/L	100
38) Bromodichloromethane	6.56	83	532821	20.048 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	664410	20.678 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2159426	192.194 ug/L	98

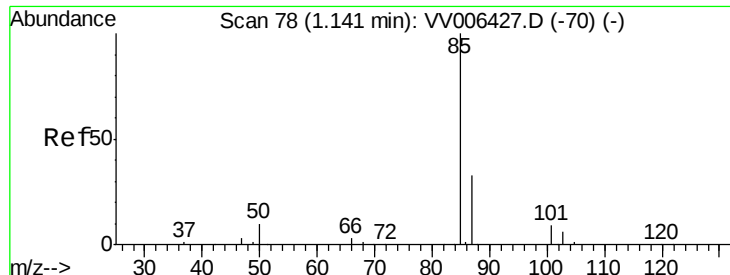
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1908045	19.068	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	526332	20.885	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	302147	18.947	ug/L	98
47) Tetrachloroethene	8.03	164	390055	19.100	ug/L	99
48) 2-Hexanone	8.19	43	1548758	191.600	ug/L	99
49) Dibromochloromethane	8.30	129	356753	20.984	ug/L	100
50) 1,2-Dibromoethane	8.40	107	281839	19.659	ug/L	97
51) Chlorobenzene	8.93	112	1259832	19.028	ug/L	99
52) Ethylbenzene	9.06	91	2143189	19.784	ug/L	99
53) m,p-xylene	9.19	106	838177	20.062	ug/L	99
54) o-xylene	9.59	106	822711	20.073	ug/L	99
55) Styrene	9.61	104	1382189	20.612	ug/L	100
56) Isopropylbenzene	9.98	105	2153786	20.166	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	312996	20.810	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	240223	19.126	ug/L	99
61) Bromoform	9.78	173	186875	20.772	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	1007100	19.073	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	994748	18.835	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	926903	18.755	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	47846	22.783	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	793800	19.785	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	656130	22.301	ug/L	99
69) Naphthalene	13.56	128	1076683	25.036	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	593473	21.669	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 15.428 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

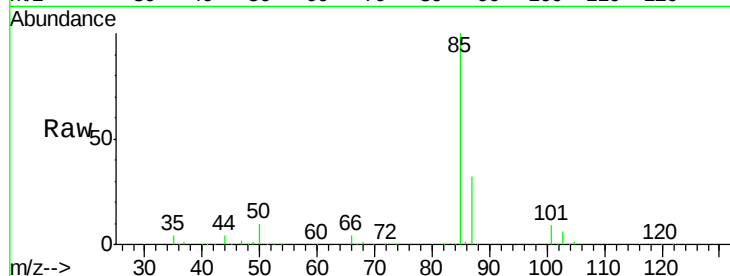
VSTD02084

Tgt Ion: 85 Resp: 392097

Ion Ratio Lower Upper

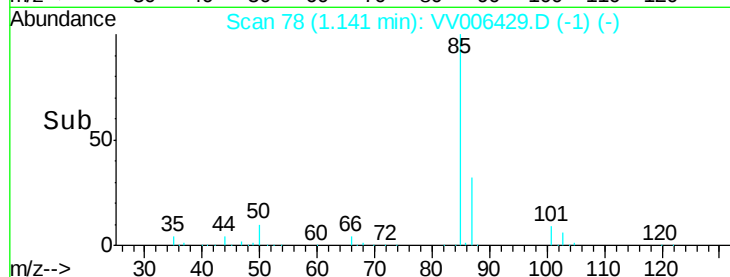
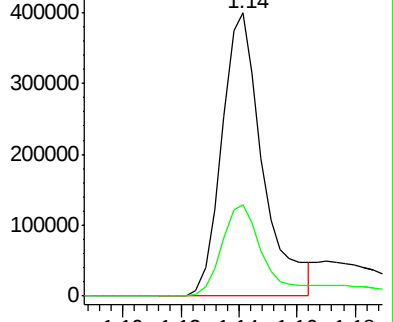
85 100

87 40.4 25.9 38.9#

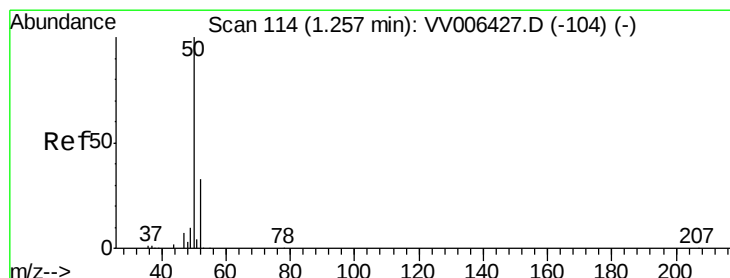


Abundance Ion 85.00 (84.70 to 85.70): VV006427.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006429.D (-21) (-)



Time-->



#3

Chloromethane

Concen: 18.540 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006429.D

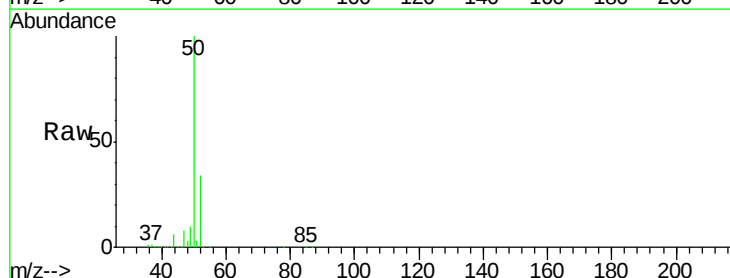
Acq: 25 Jun 2018 12:39

Tgt Ion: 50 Resp: 482914

Ion Ratio Lower Upper

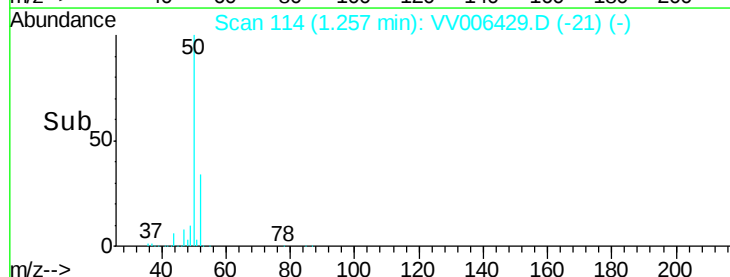
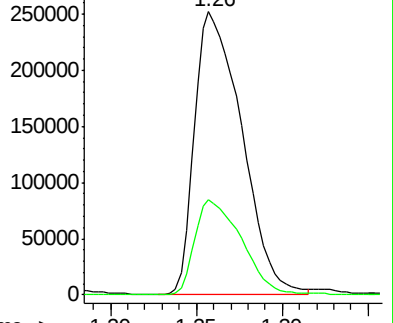
50 100

52 33.5 22.9 42.5

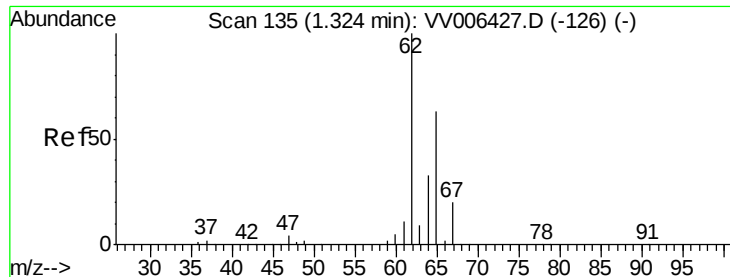


Abundance Ion 50.05 (49.75 to 50.75): VV006427.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006429.D (-21) (-)



Time-->



#5

Vinyl chloride

Concen: 19.120 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

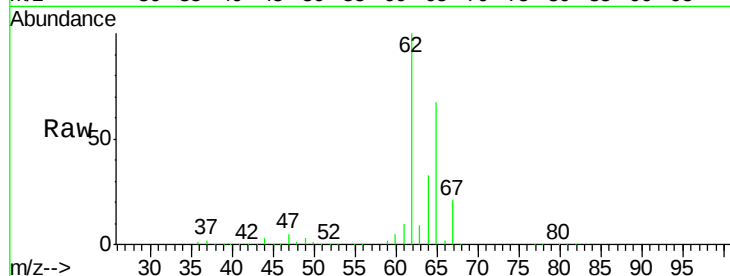
VSTD02084

Tgt Ion: 62 Resp: 541064

Ion Ratio Lower Upper

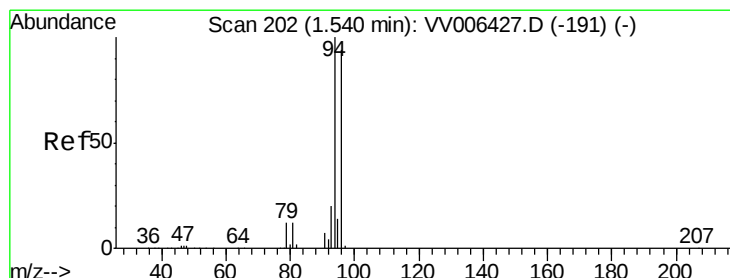
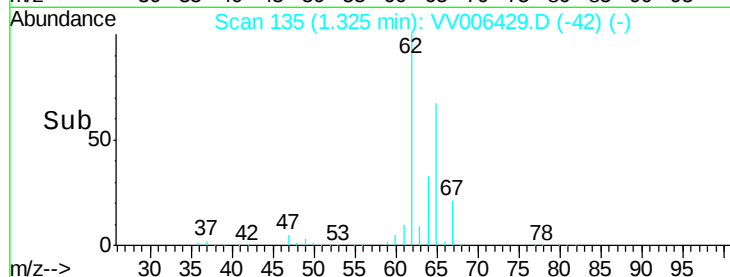
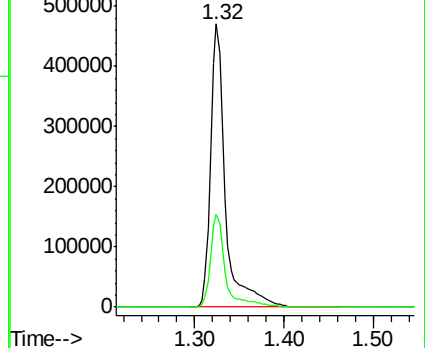
62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 19.120 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006429.D

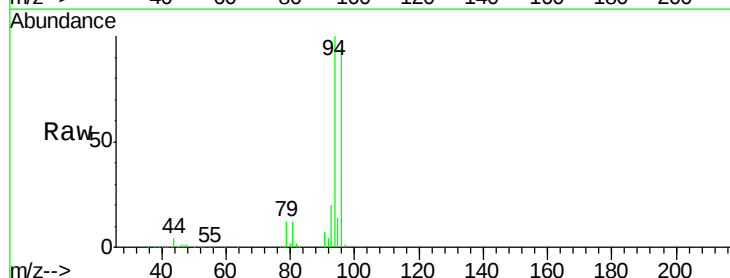
Acq: 25 Jun 2018 12:39

Tgt Ion: 94 Resp: 313377

Ion Ratio Lower Upper

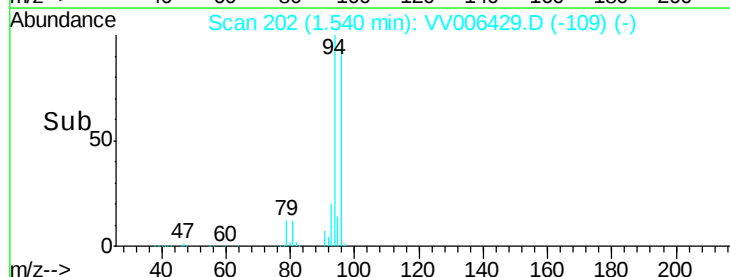
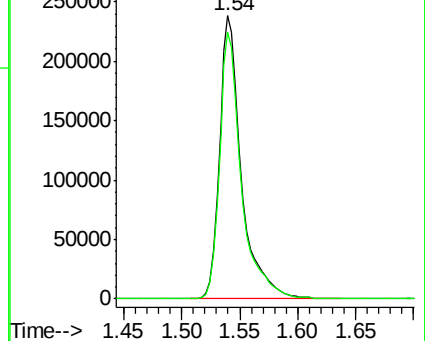
94 100

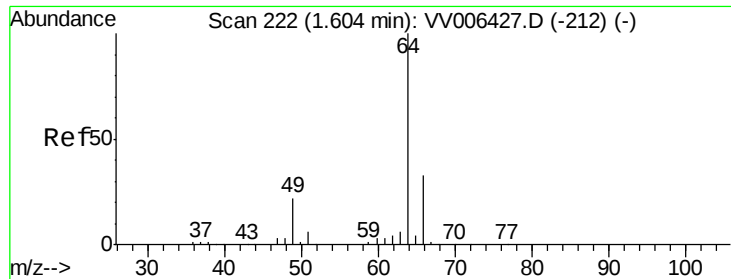
96 94.2 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 18.405 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

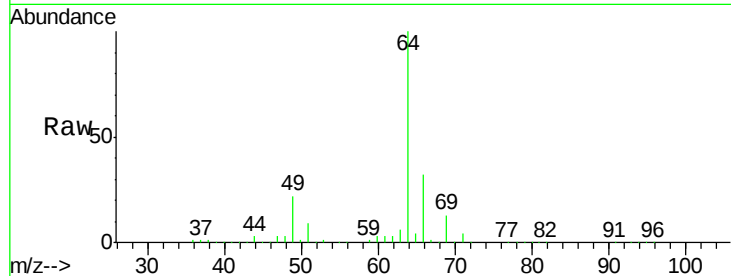
VSTD02084

Tgt Ion: 64 Resp: 330358

Ion Ratio Lower Upper

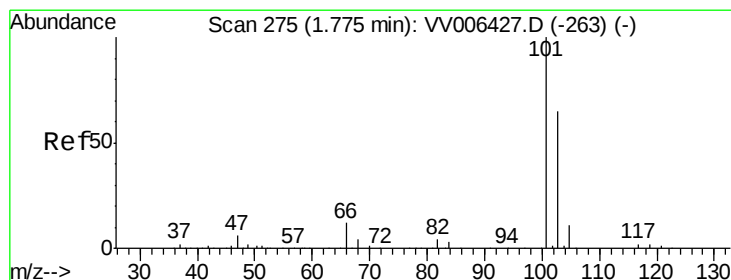
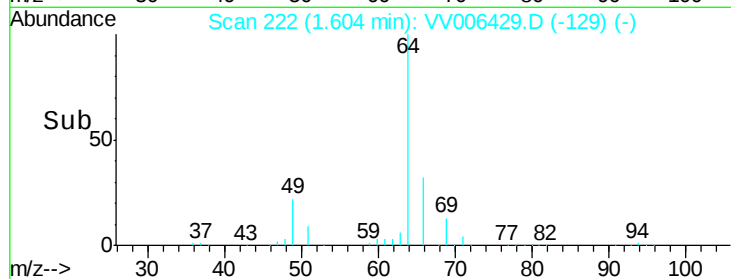
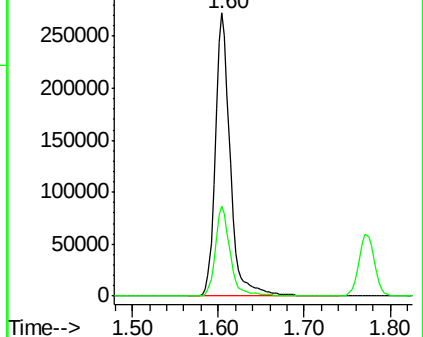
64 100

66 31.8 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006429.D (-129) (-)

Ion 66.05 (65.75 to 66.75): VV006429.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 18.737 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006429.D

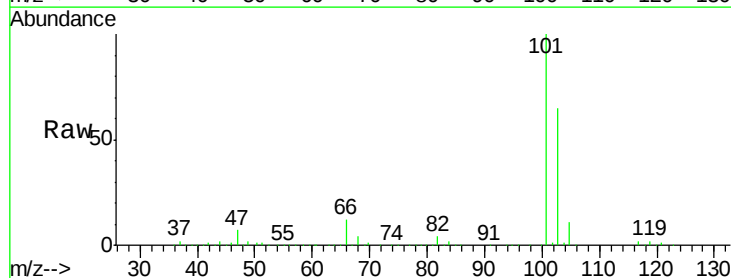
Acq: 25 Jun 2018 12:39

Tgt Ion: 101 Resp: 637366

Ion Ratio Lower Upper

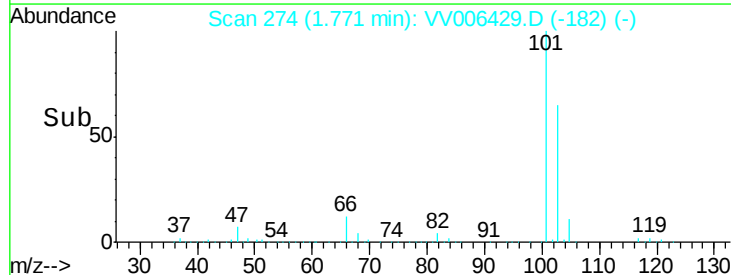
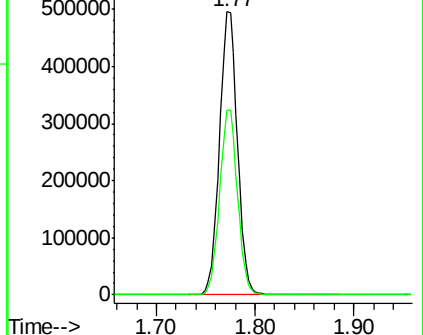
101 100

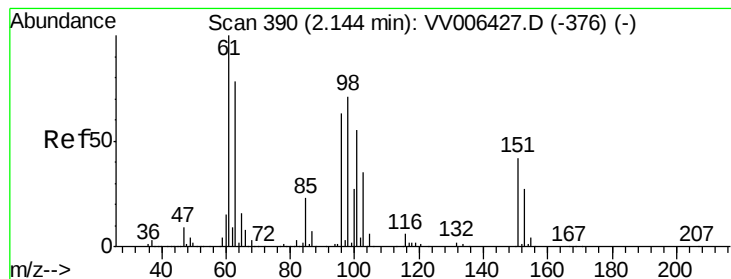
103 65.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006429.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV006429.D (-182) (-)





#10

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

Concen: 19.321 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

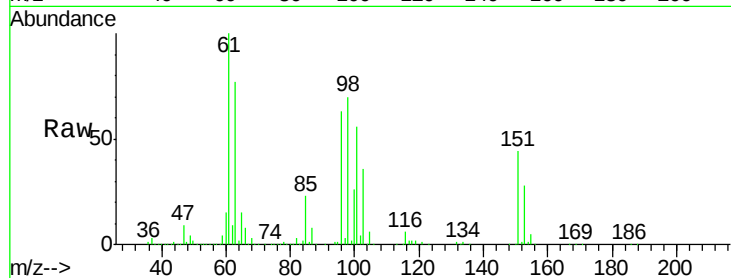
Tgt Ion:101 Resp: 412825

Ion Ratio Lower Upper

101 100

85 41.7 33.1 49.7

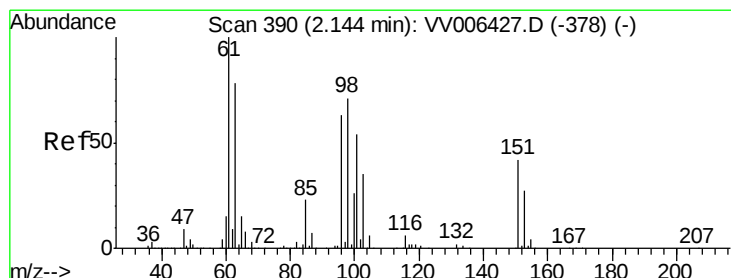
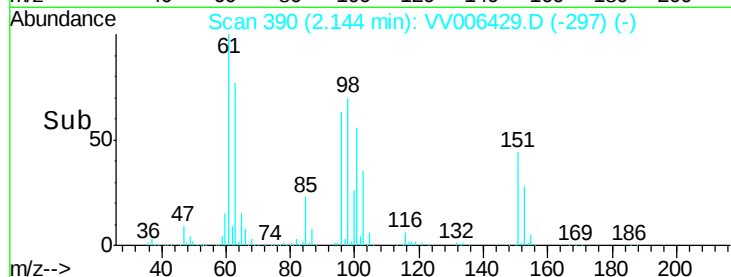
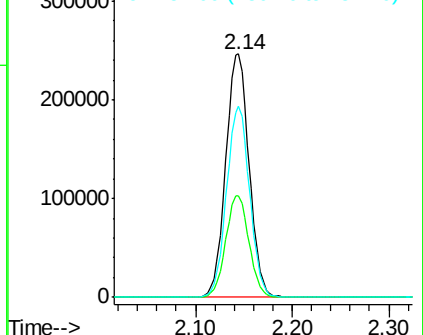
151 77.7 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 18.789 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

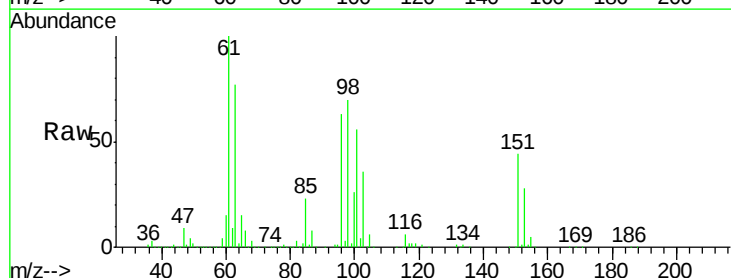
Tgt Ion: 96 Resp: 393965

Ion Ratio Lower Upper

96 100

61 158.9 111.4 207.0

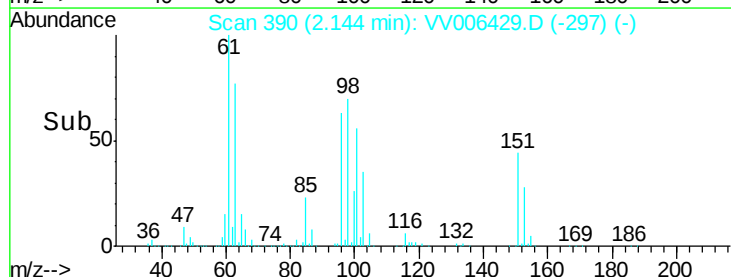
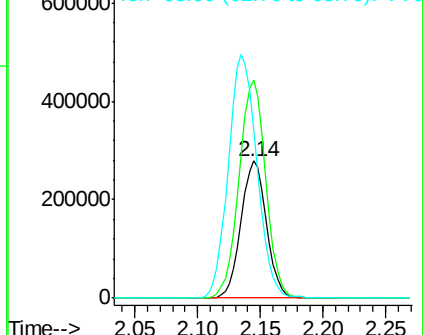
63 122.8 87.4 162.2

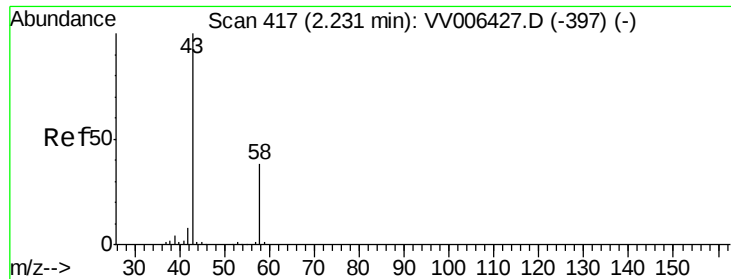


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 199.610 ug/L

RT: 2.23 min Scan# 416

Delta R.T. -0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

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MSVOA_V

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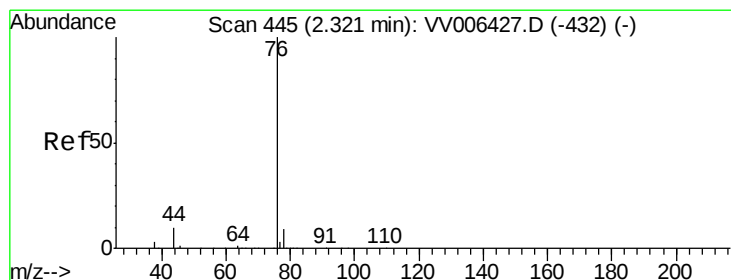
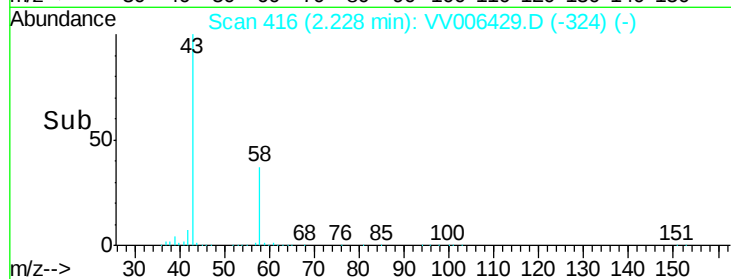
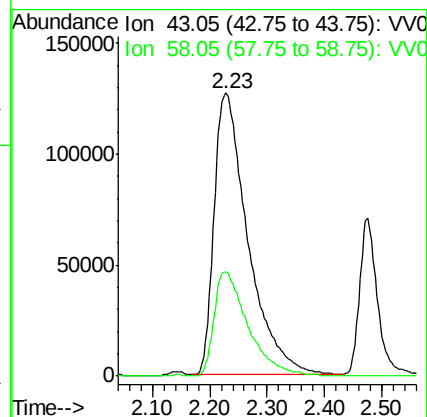
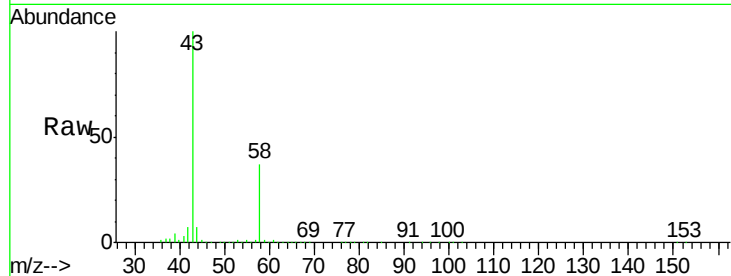
VSTD02084

Tgt Ion: 43 Resp: 522673

Ion Ratio Lower Upper

43 100

58 37.3 0.0 77.4



#14

Carbon disulfide

Concen: 19.606 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006429.D

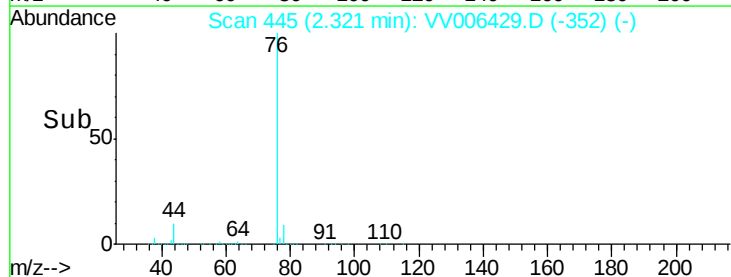
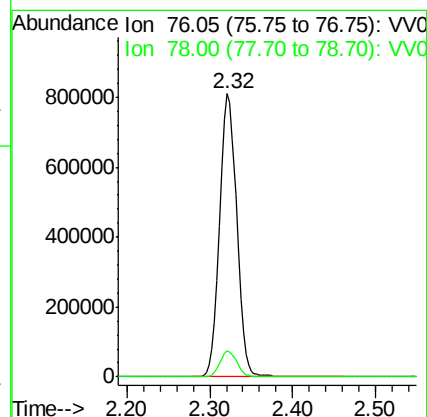
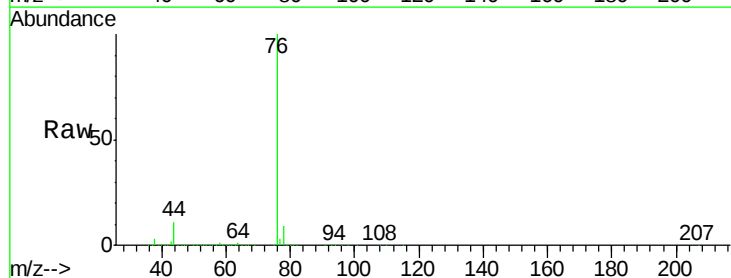
Acq: 25 Jun 2018 12:39

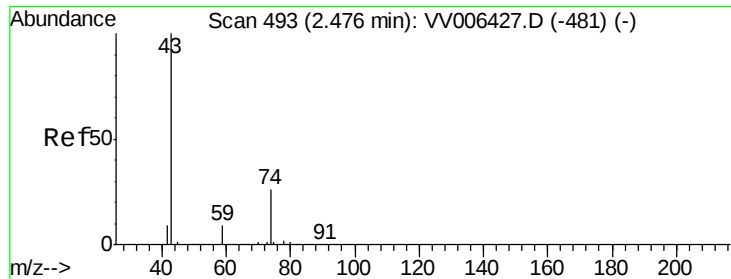
Tgt Ion: 76 Resp: 1160895

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

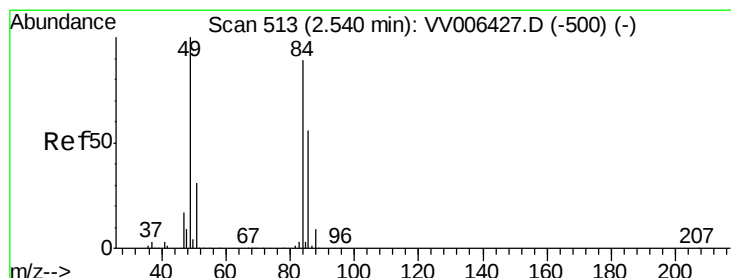
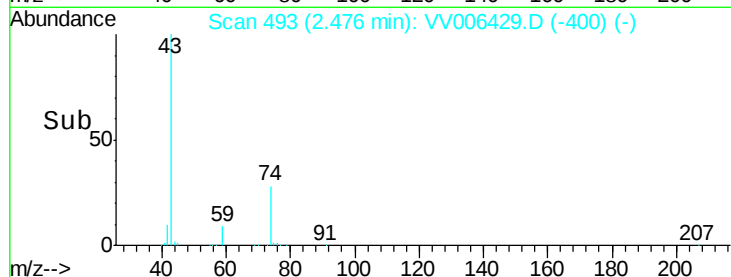
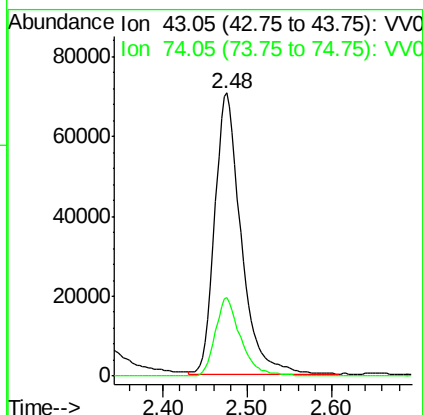
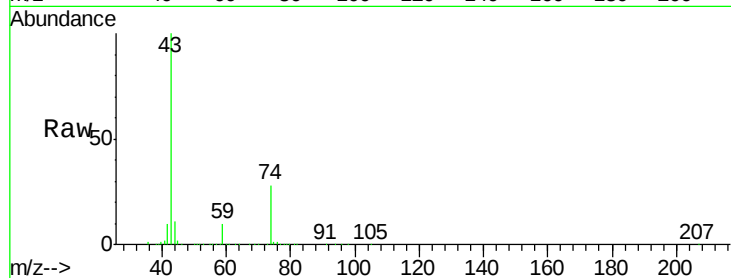




#15
Methyl Acetate
Concen: 19.807 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

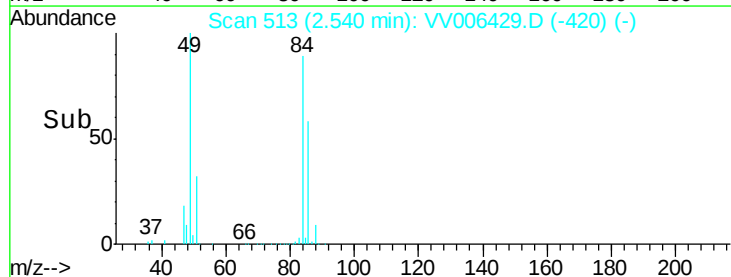
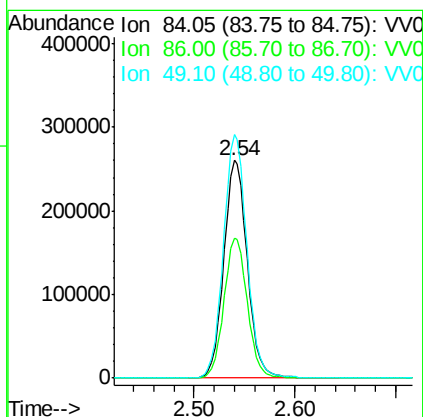
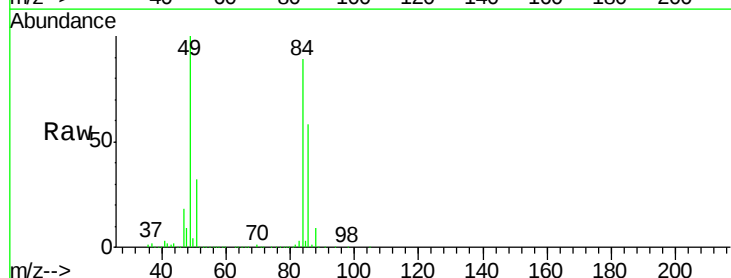
Instrument :
MSVOA_V
ClientSampleId :
VSTD02084

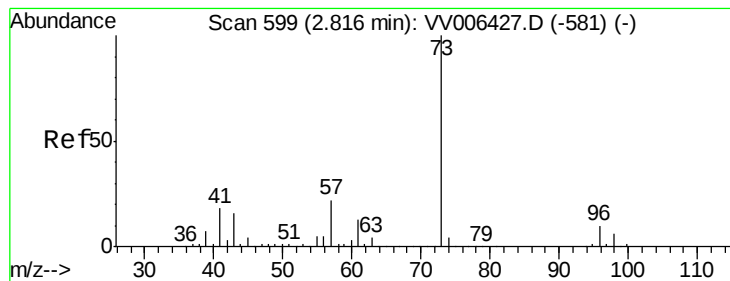
Tgt Ion: 43 Resp: 152709
Ion Ratio Lower Upper
43 100
74 27.0 22.2 33.4



#16
Methylene chloride
Concen: 17.297 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Tgt Ion: 84 Resp: 424808
Ion Ratio Lower Upper
84 100
86 64.6 44.2 82.2
49 112.0 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 19.055 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

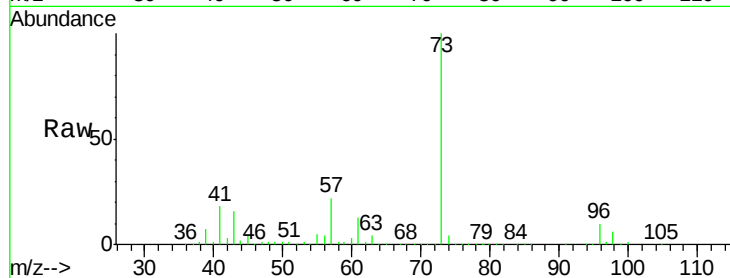
Tgt Ion: 73 Resp: 968359

Ion Ratio Lower Upper

73 100

43 16.2 12.9 19.3

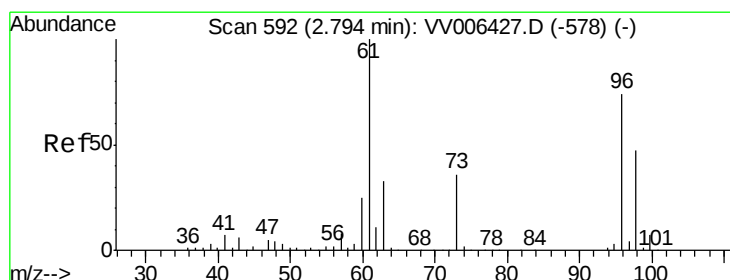
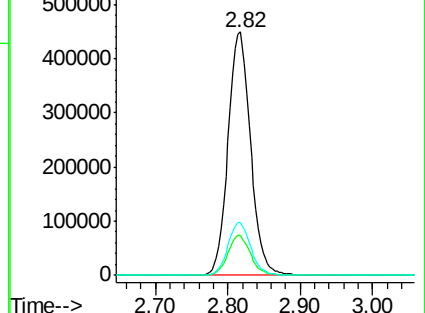
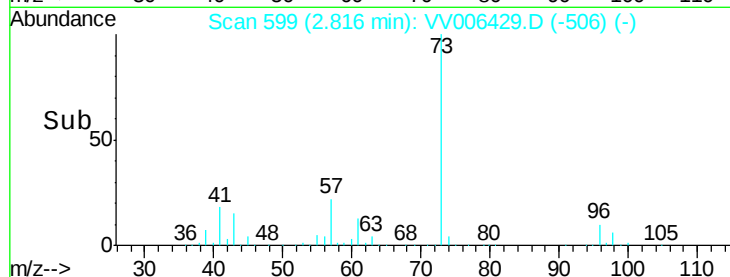
57 21.9 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006429.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006429.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006429.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 18.843 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

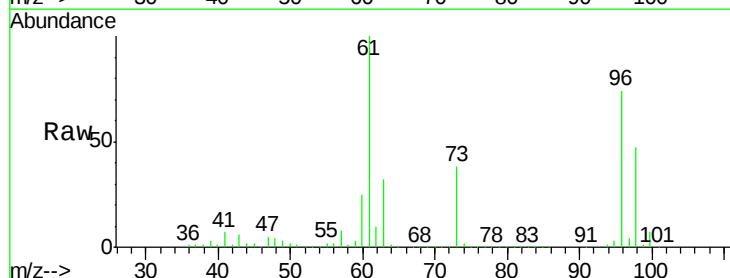
Tgt Ion: 96 Resp: 432550

Ion Ratio Lower Upper

96 100

61 134.5 94.4 175.2

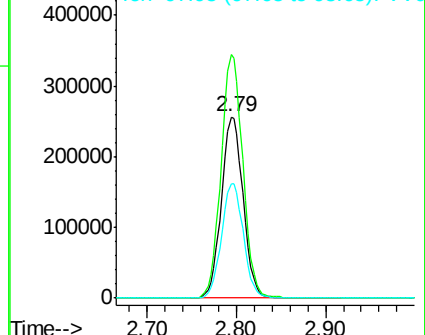
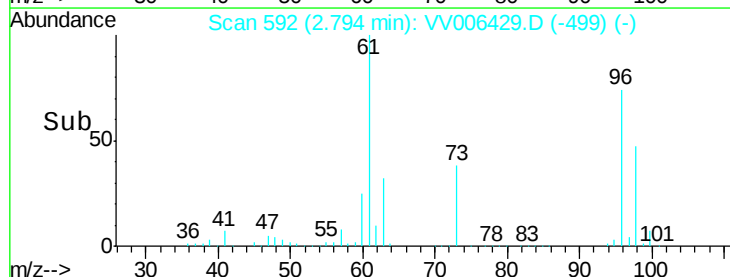
98 62.9 44.3 82.3

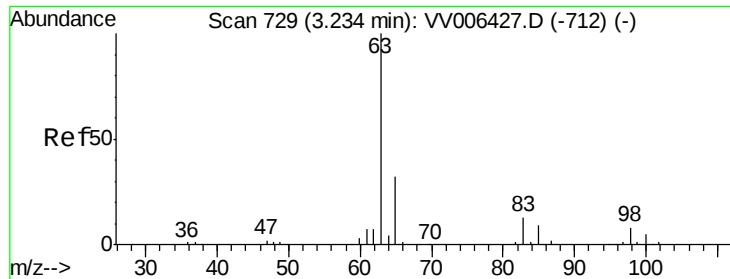


Abundance Ion 96.00 (95.70 to 96.70): VV006429.D (-578) (-)

Ion 61.05 (60.75 to 61.75): VV006429.D (-578) (-)

Ion 97.95 (97.65 to 98.65): VV006429.D (-578) (-)

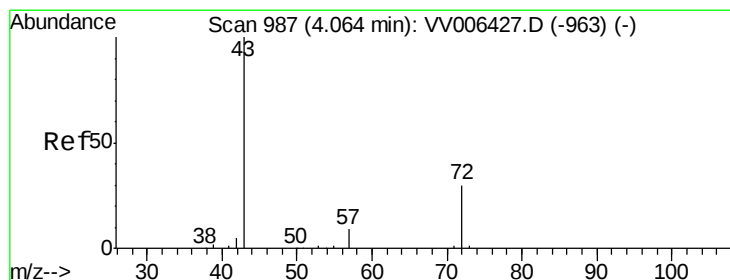
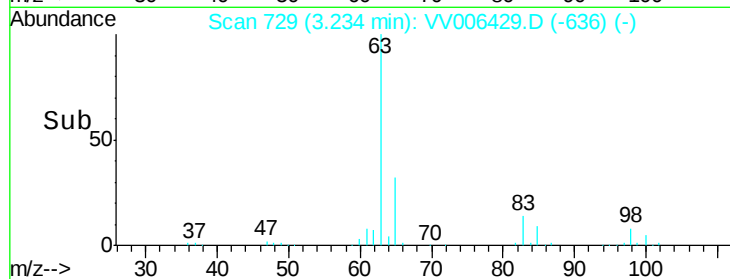
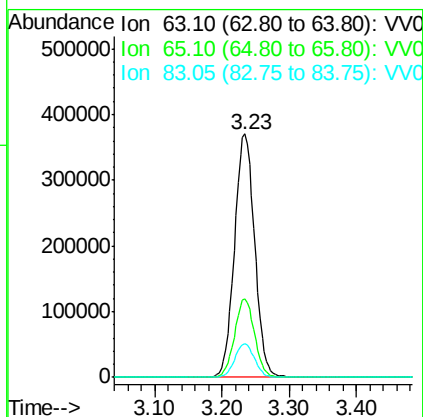
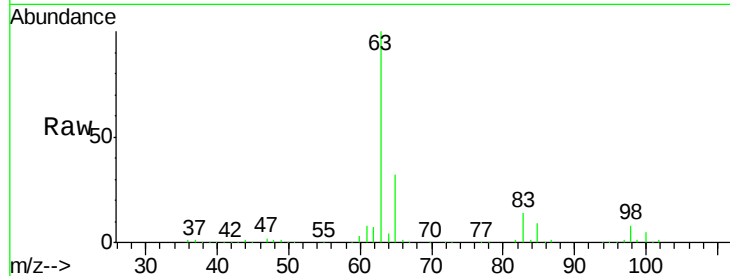




#19
 1,1-Dichloroethane
 Concen: 18.762 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

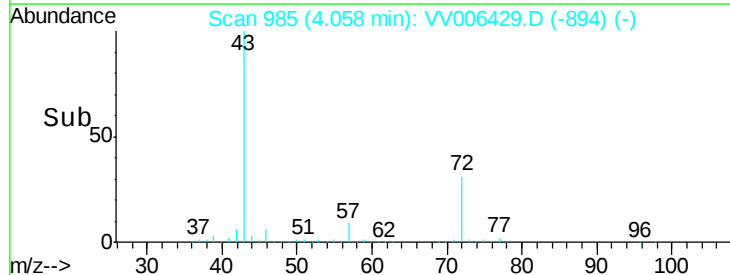
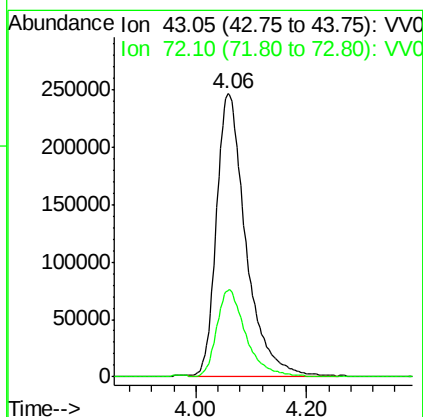
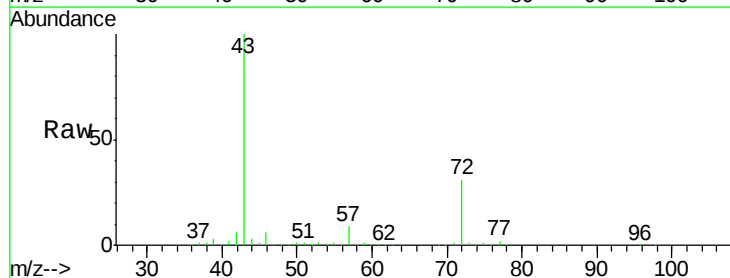
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

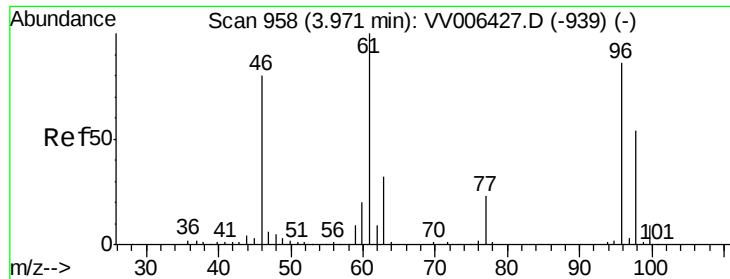
Tgt Ion: 63 Resp: 767131
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.2 41.2
 83 13.7 9.2 17.2



#21
 2-Butanone
 Concen: 199.459 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion: 43 Resp: 901015
 Ion Ratio Lower Upper
 43 100
 72 30.8 15.4 46.1

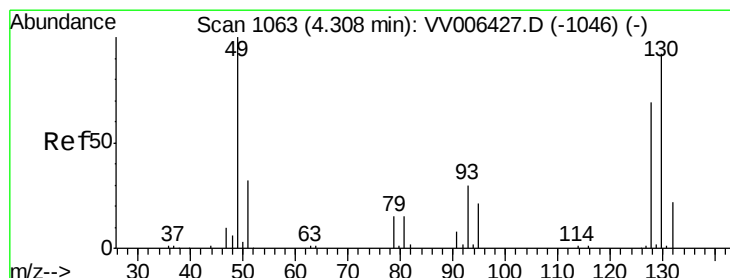
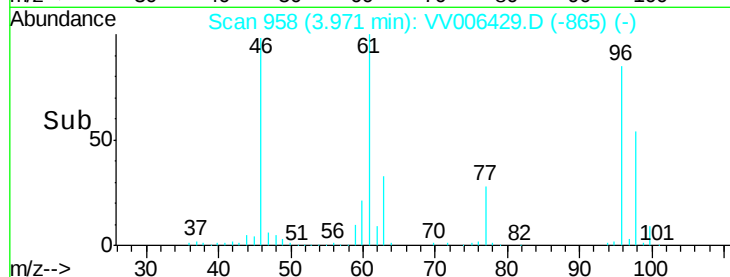
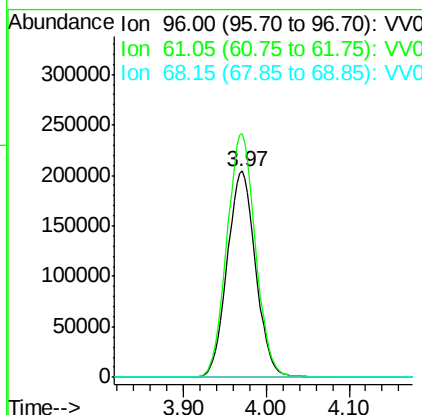
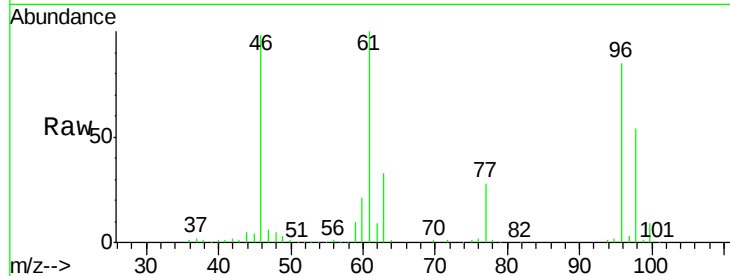




#22
 cis-1,2-Dichloroethene
 Concen: 19.342 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

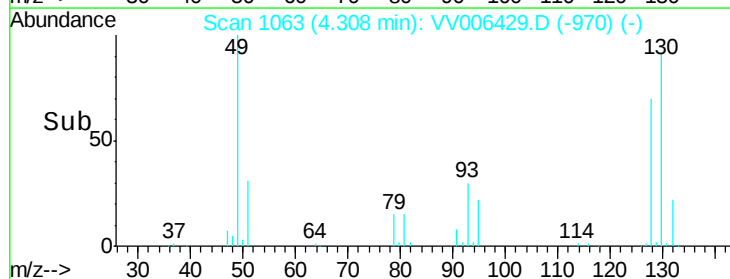
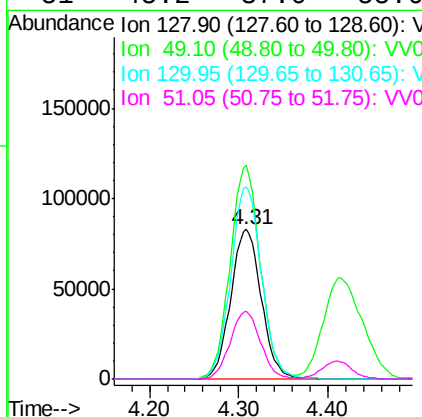
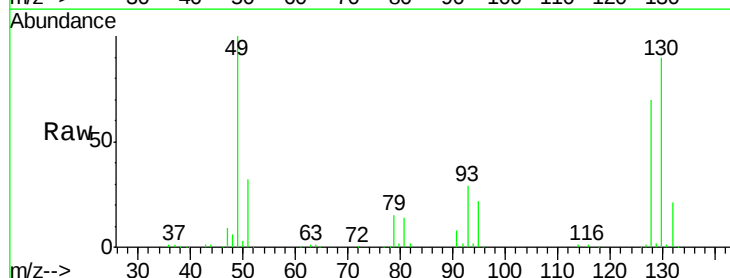
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

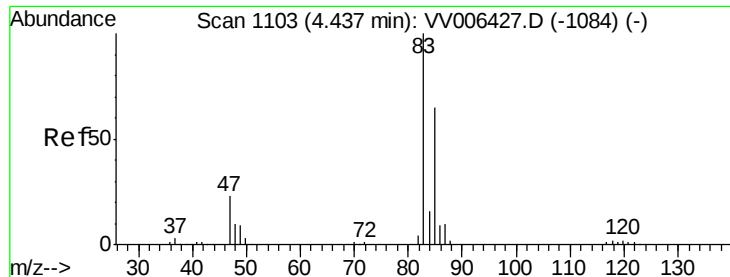
Tgt Ion: 96 Resp: 488249
 Ion Ratio Lower Upper
 96 100
 61 118.3 81.8 151.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 19.233 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion: 128 Resp: 197271
 Ion Ratio Lower Upper
 128 100
 49 142.9 101.2 188.0
 130 128.8 93.0 172.6
 51 45.2 37.0 55.6

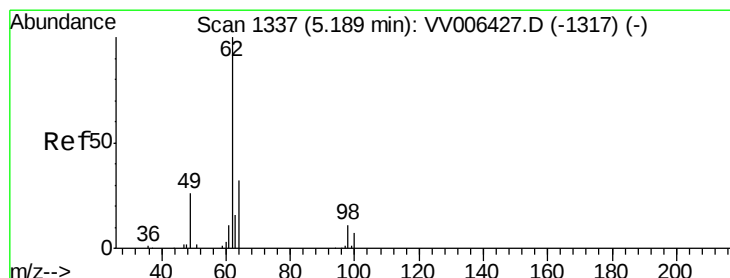
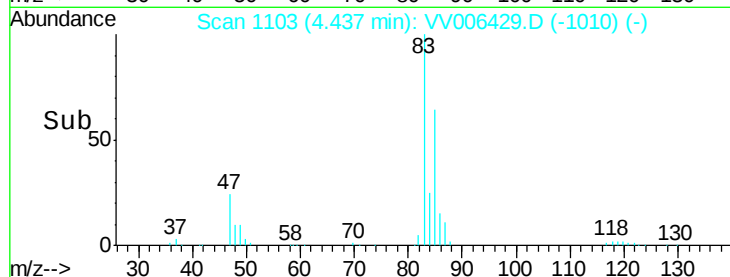
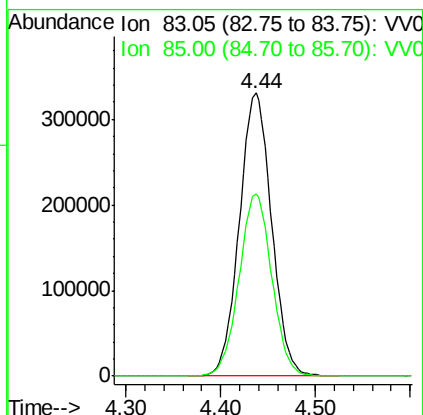
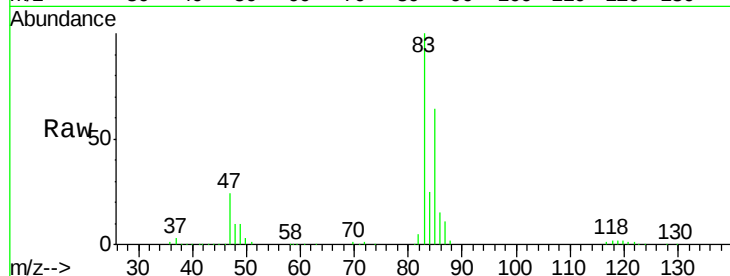




#25
Chloroform
Concen: 19.002 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

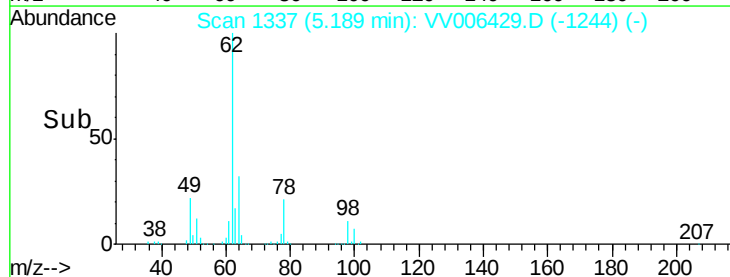
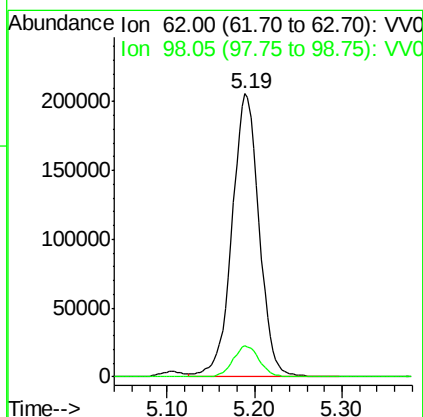
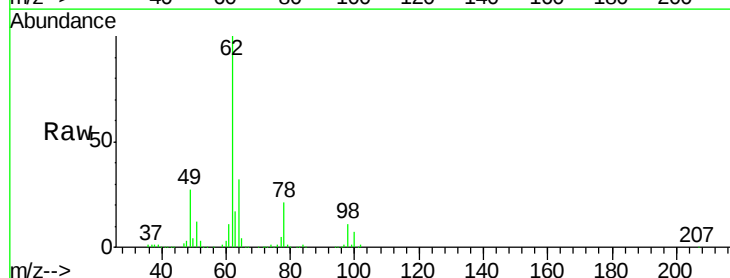
Instrument :
MSVOA_V
ClientSampleId :
VSTD02084

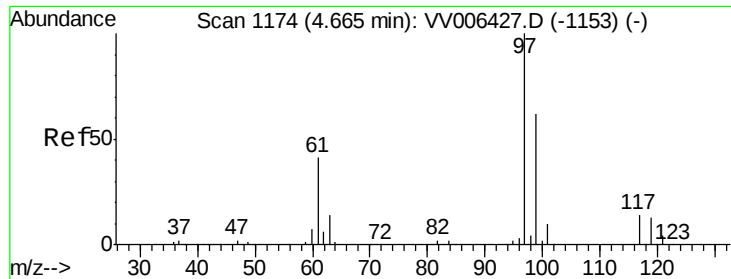
Tgt Ion: 83 Resp: 783045
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 19.060 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Tgt Ion: 62 Resp: 441311
Ion Ratio Lower Upper
62 100
98 11.0 8.8 13.2

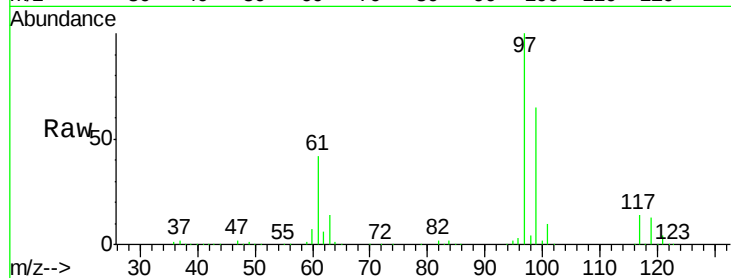




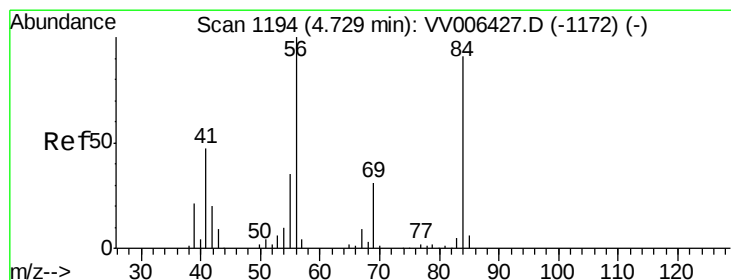
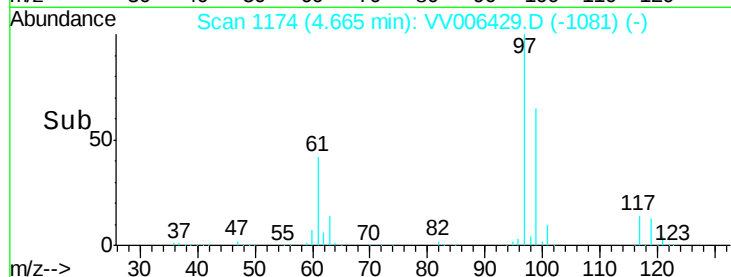
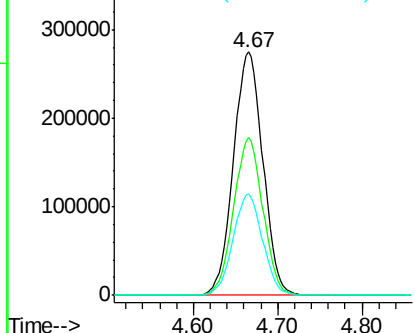
#29
 1,1,1-Trichloroethane
 Concen: 19.194 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

Tgt Ion: 97 Resp: 669669
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.4
 61 41.7 33.8 50.6

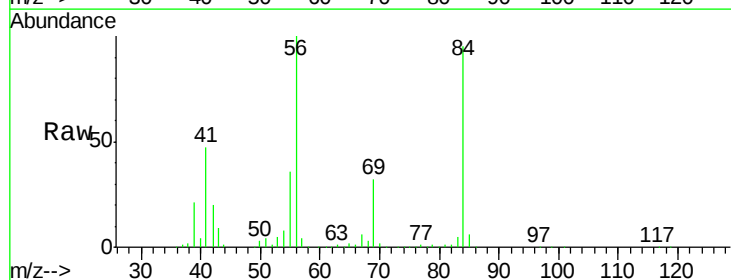


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

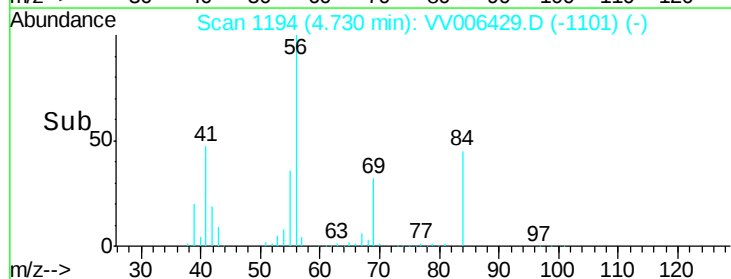
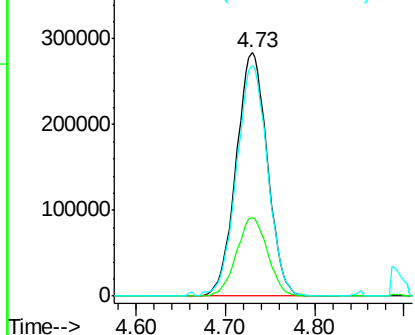


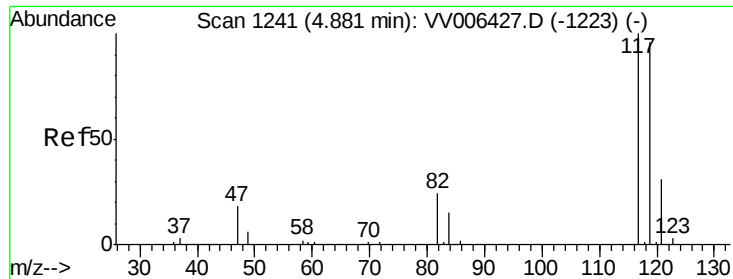
#30
 Cyclohexane
 Concen: 19.704 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion: 56 Resp: 687127
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.6 38.4
 84 95.0 75.4 113.0



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: 19.497 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

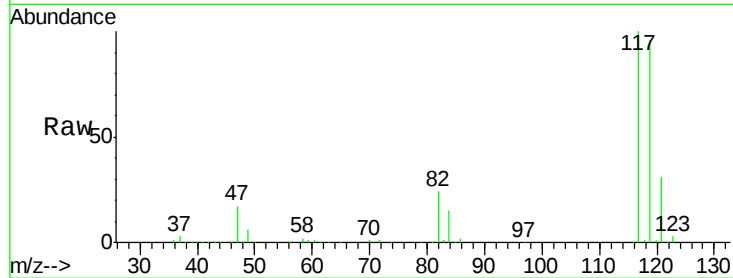
VSTD02084

Tgt Ion:117 Resp: 570592

Ion Ratio Lower Upper

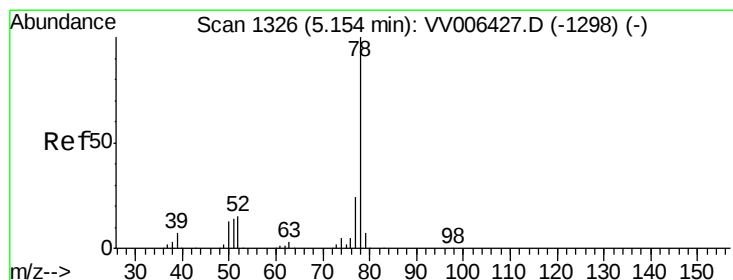
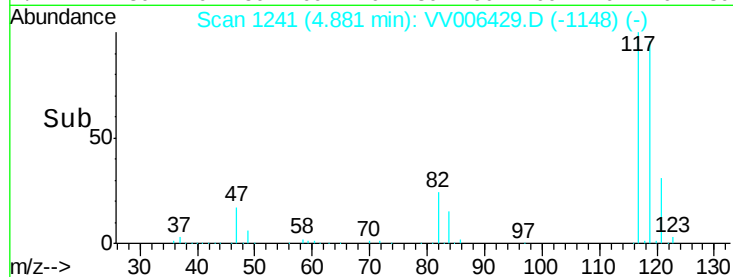
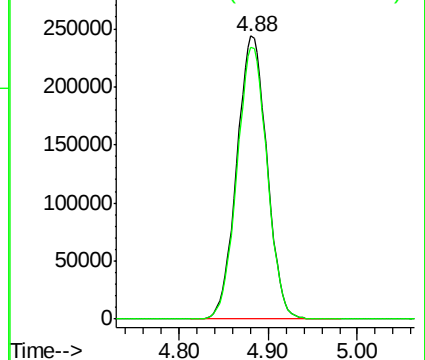
117 100

119 96.0 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.851 ug/L

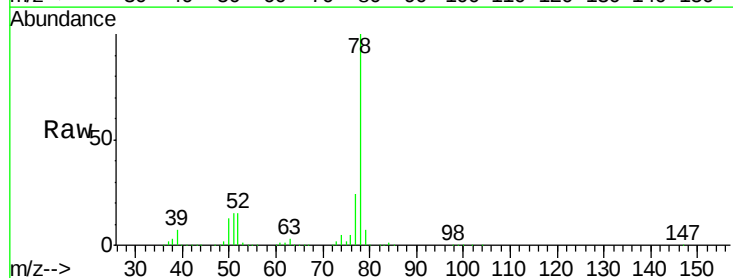
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

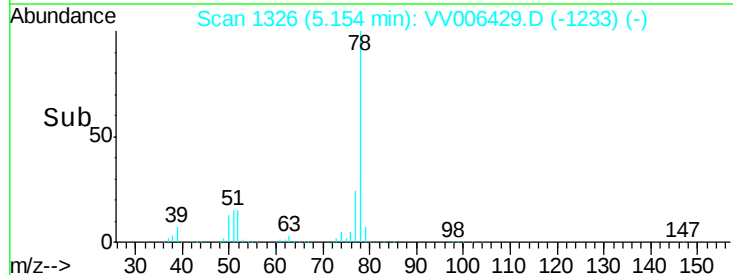
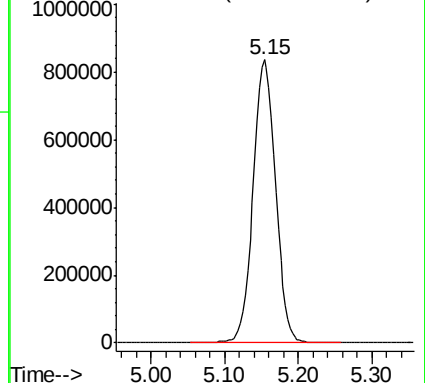
Lab File: VV006429.D

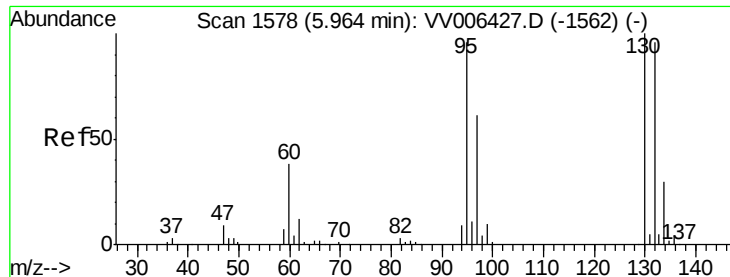
Acq: 25 Jun 2018 12:39

Tgt Ion: 78 Resp: 1781205



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 17.904 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

Tgt Ion: 95 Resp: 483947

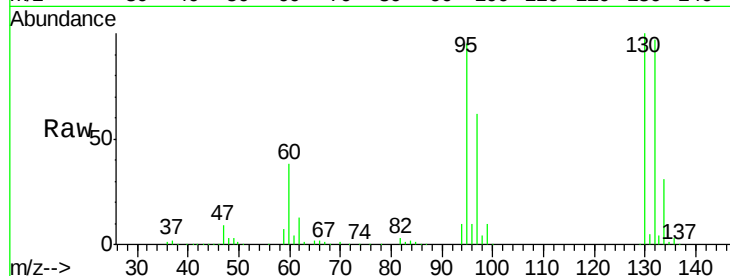
Ion Ratio Lower Upper

95 100

97 64.7 44.6 82.8

132 101.9 70.1 130.1

130 105.2 73.3 136.1

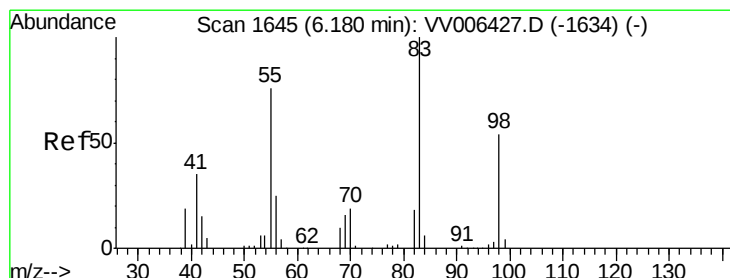
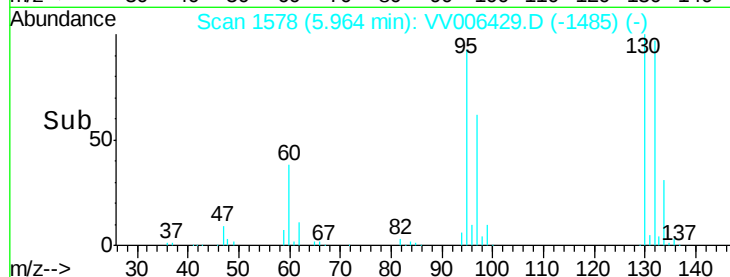
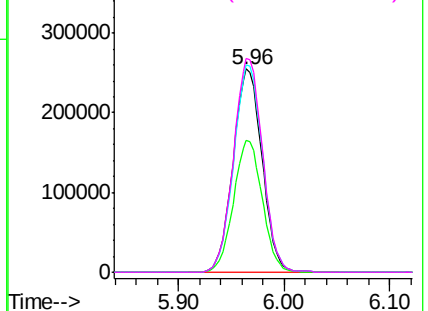


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 19.969 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

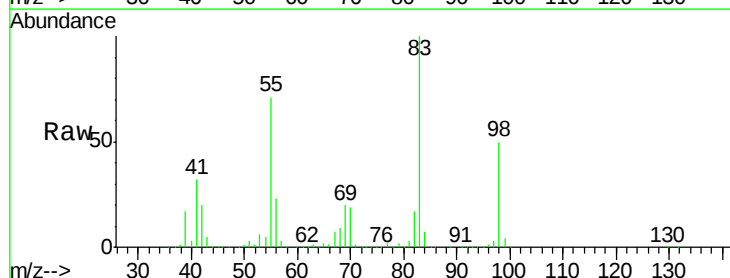
Tgt Ion: 83 Resp: 784844

Ion Ratio Lower Upper

83 100

55 71.1 57.5 86.3

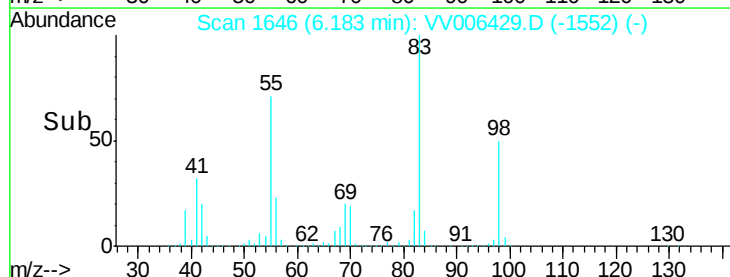
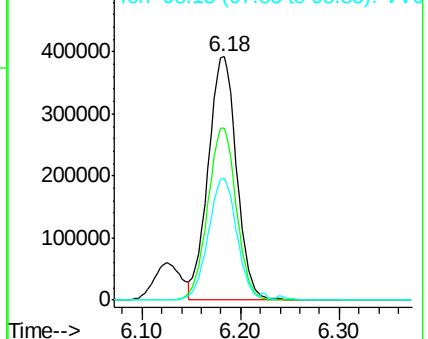
98 49.8 39.6 59.4

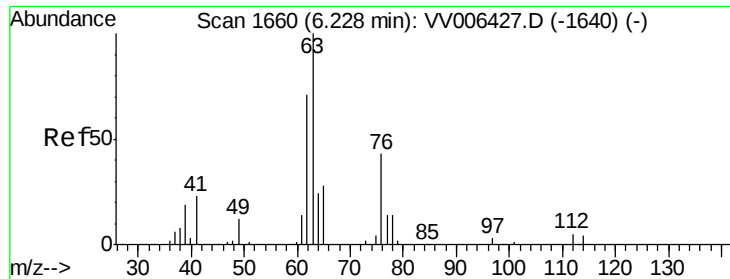


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

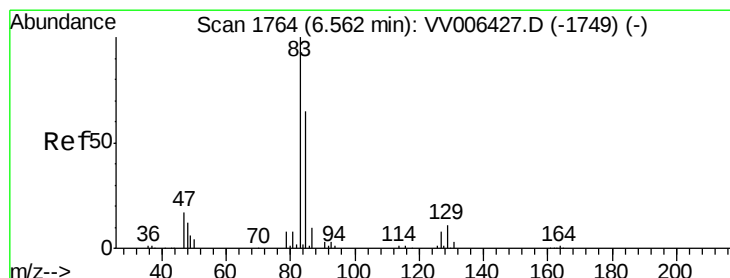
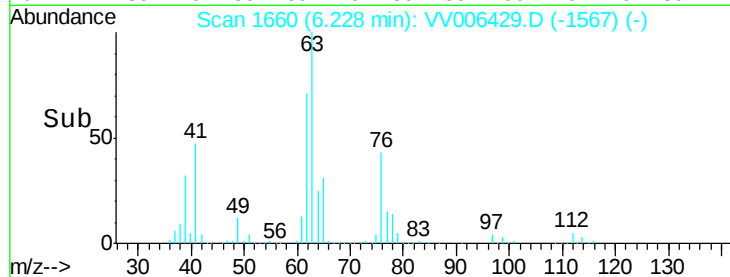
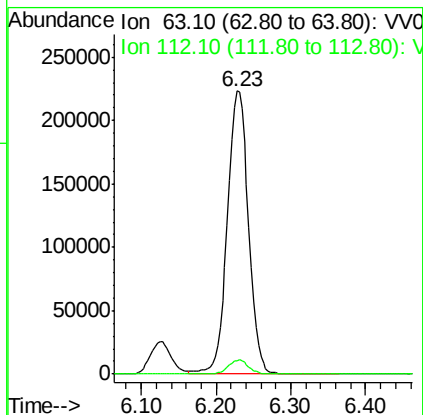
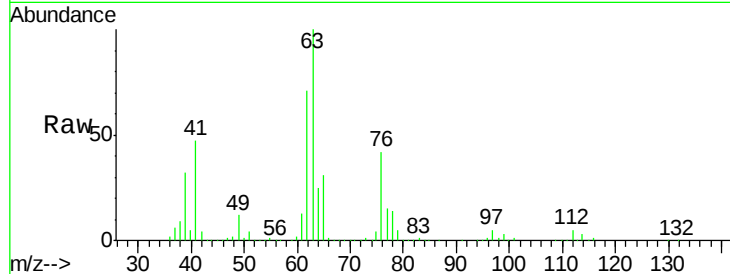




#37
 1,2-Dichloropropane
 Concen: 18.874 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

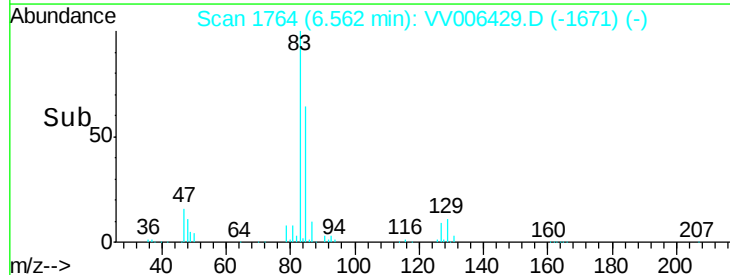
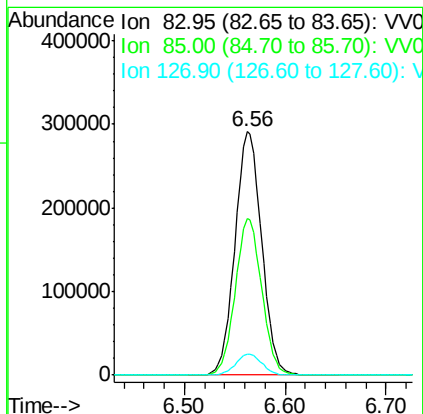
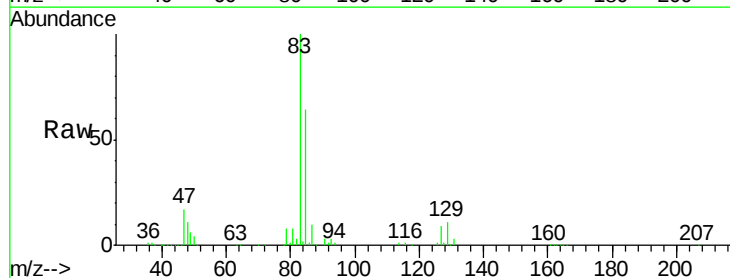
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

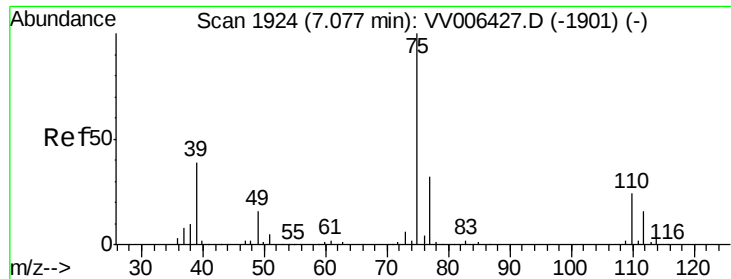
Tgt Ion: 63 Resp: 435807
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 20.048 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion: 83 Resp: 532821
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9
 127 8.6 6.6 9.8

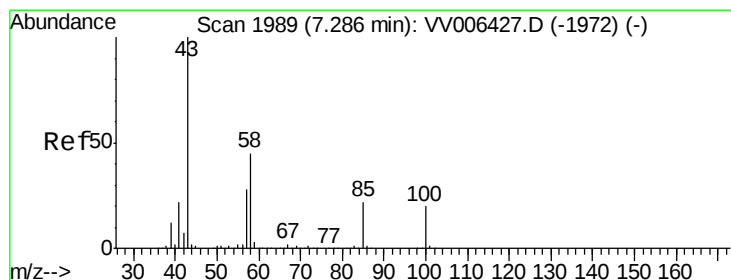
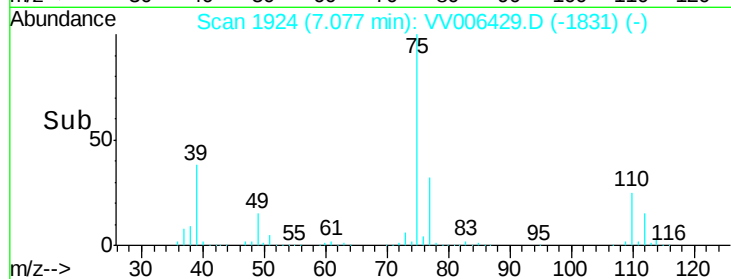
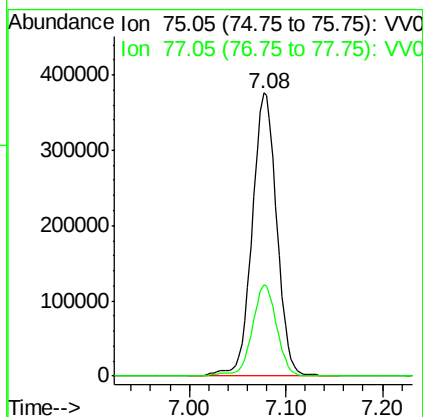
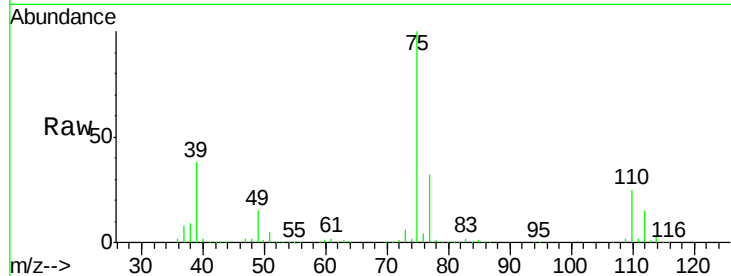




#39
 cis-1,3-Dichloropropene
 Concen: 20.678 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

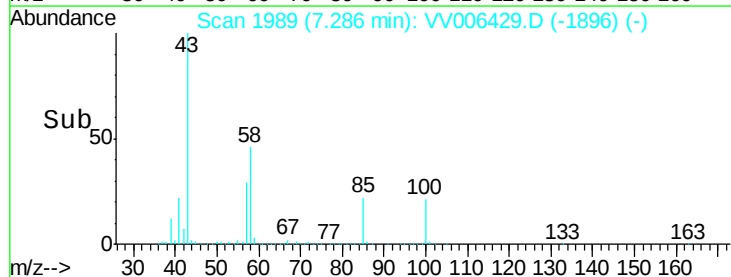
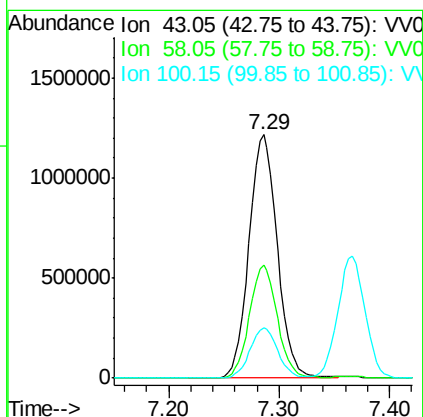
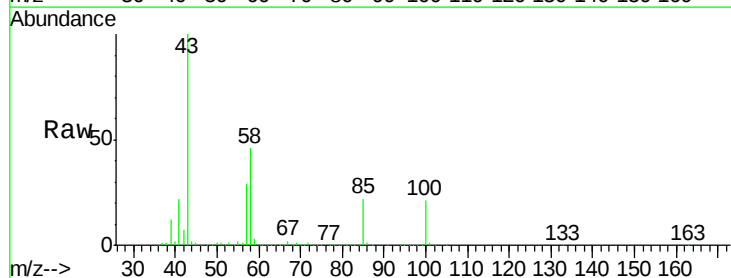
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

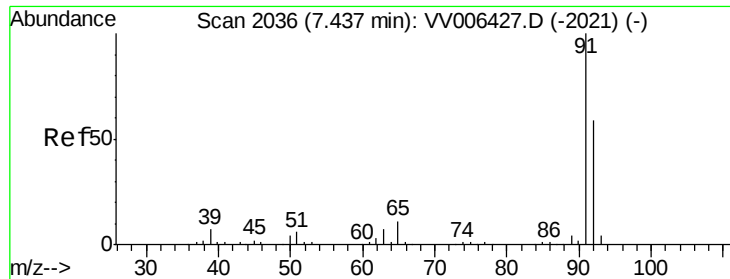
Tgt Ion: 75 Resp: 664410
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 192.194 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion: 43 Resp: 2159426
 Ion Ratio Lower Upper
 43 100
 58 45.6 35.4 53.2
 100 20.3 15.5 23.3





#42

Toluene

Concen: 19.068 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

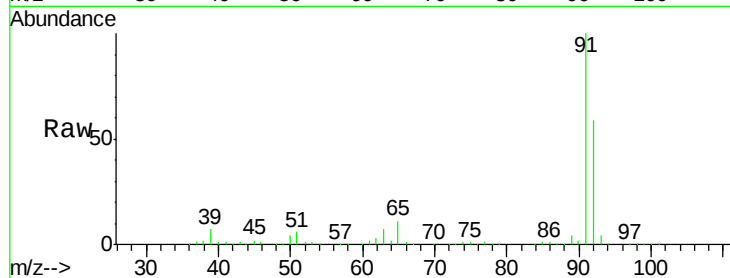
VSTD02084

Tgt Ion: 91 Resp: 1908045

Ion Ratio Lower Upper

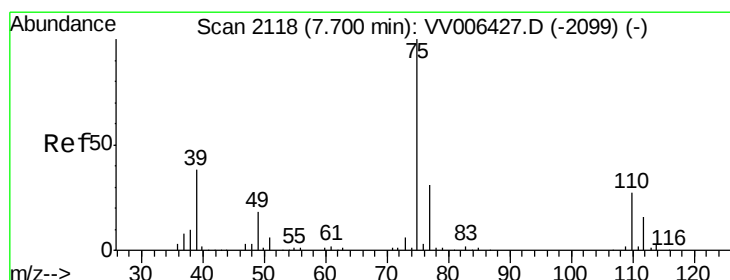
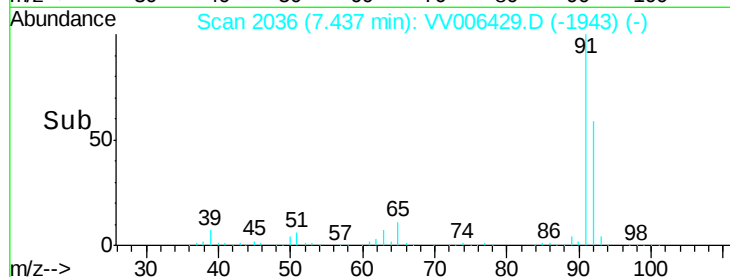
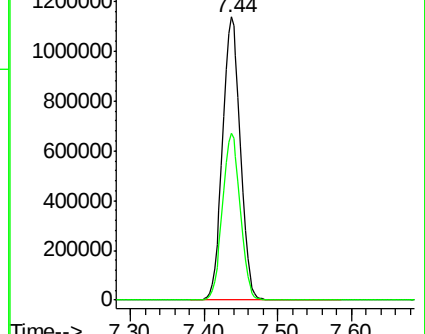
91 100

92 59.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 20.885 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006429.D

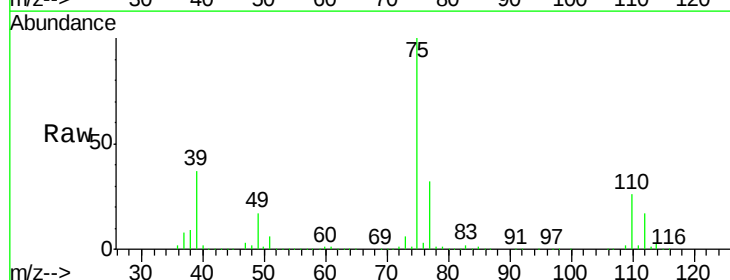
Acq: 25 Jun 2018 12:39

Tgt Ion: 75 Resp: 526332

Ion Ratio Lower Upper

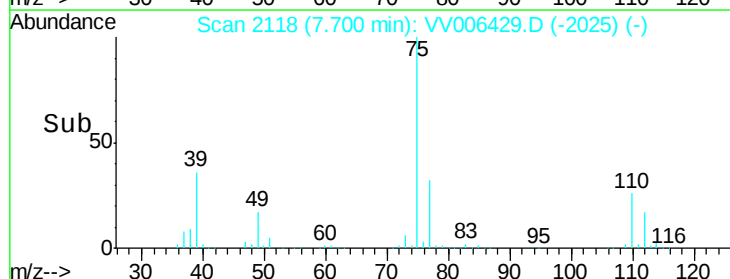
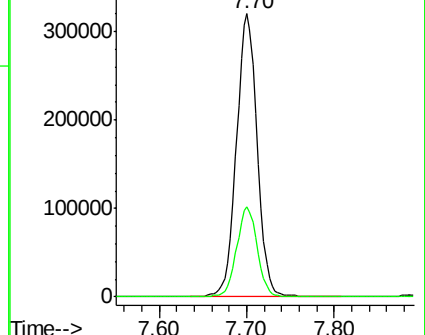
75 100

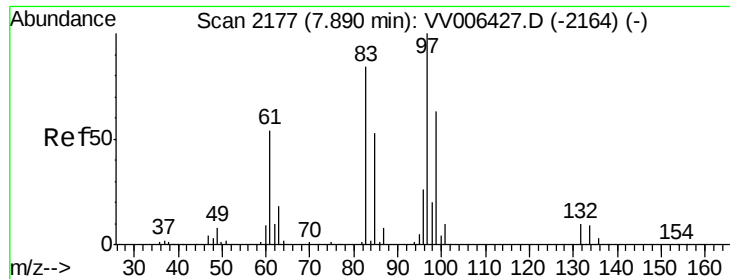
77 31.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

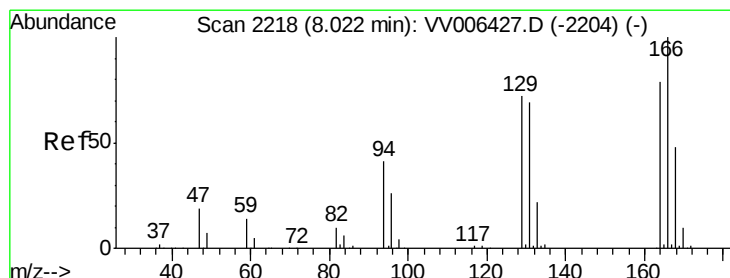
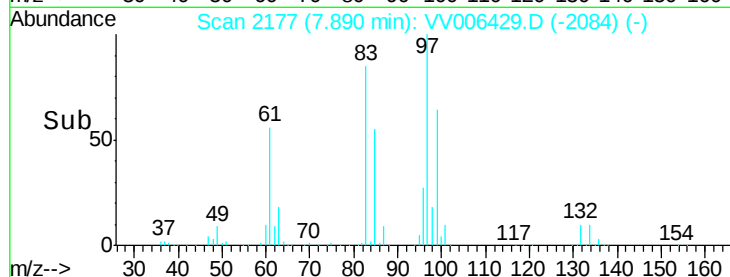
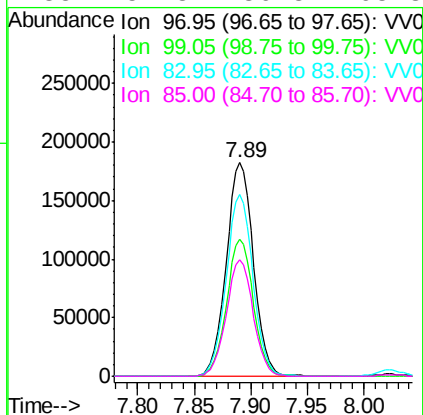
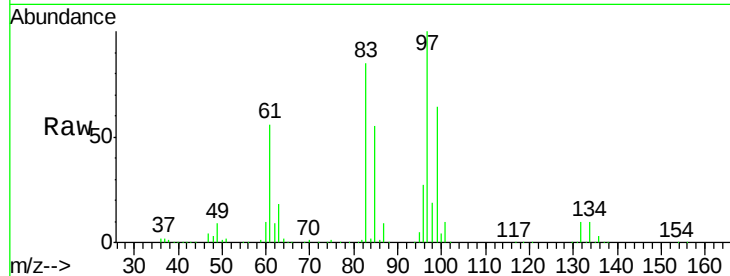




#45
 1,1,2-Trichloroethane
 Concen: 18.947 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

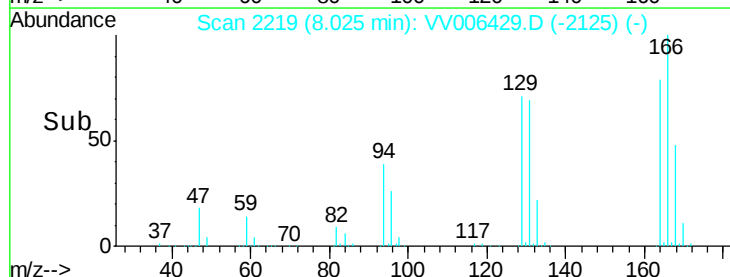
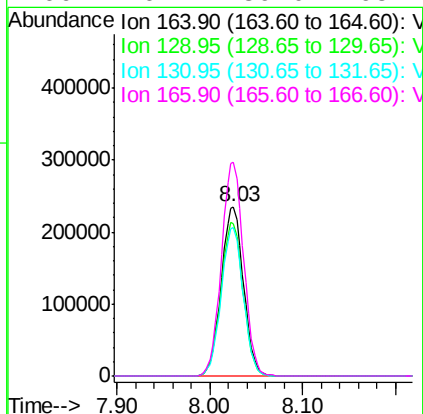
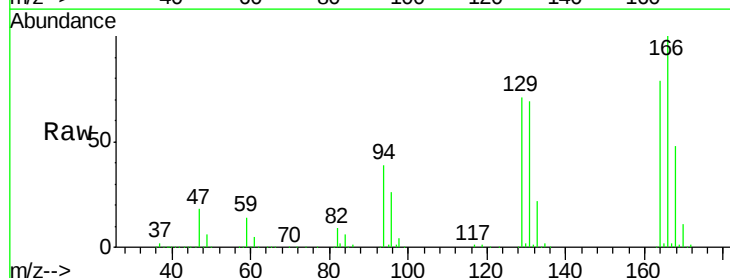
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

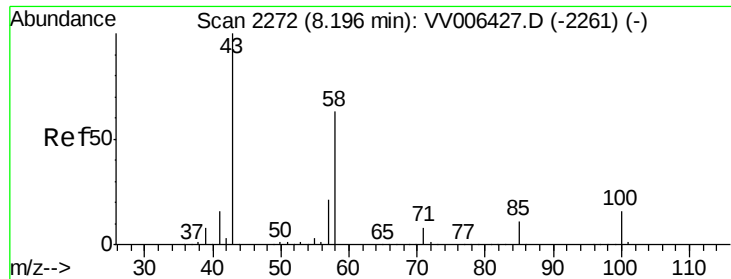
Tgt Ion:	97	Resp:	302147
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.2	82.2
83	85.2	59.0	109.6
85	54.8	36.8	68.3



#47
 Tetrachloroethene
 Concen: 19.100 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion:	164	Resp:	390055
Ion	Ratio	Lower	Upper
164	100		
129	90.4	64.0	118.8
131	87.6	61.7	114.5
166	126.4	89.0	165.2



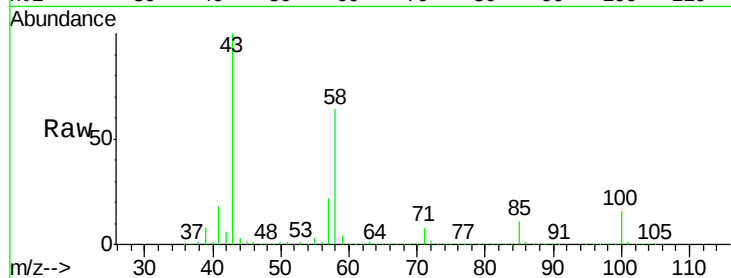


#48
2-Hexanone
Concen: 191.600 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD02084

Tgt Ion: 43 Resp: 1548758

Ion	Ratio	Lower	Upper
43	100		
58	63.6	49.9	74.9
57	21.9	17.3	25.9
100	15.8	12.5	18.7

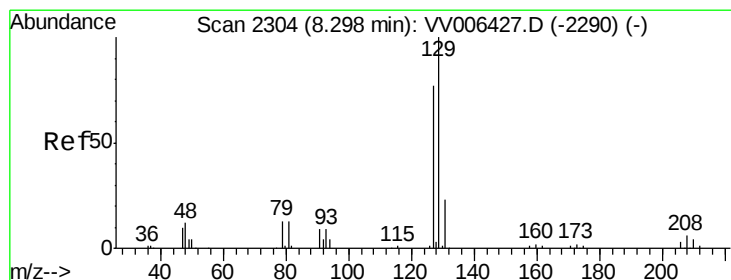
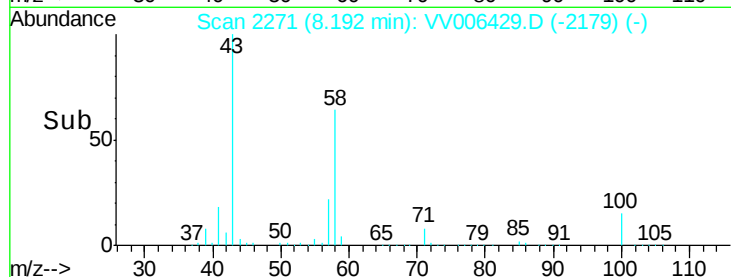
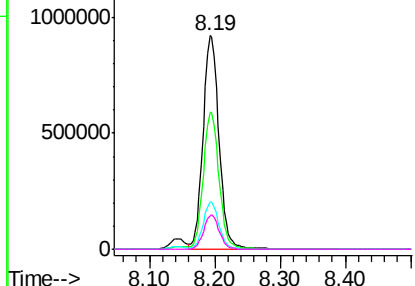


Abundance Ion 43.05 (42.75 to 43.75): VV006429.D (-2179) (-)

Ion 58.05 (57.75 to 58.75): VV006429.D (-2179) (-)

Ion 57.20 (56.90 to 57.90): VV006429.D (-2179) (-)

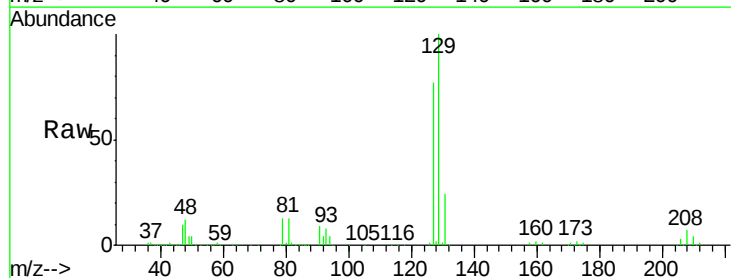
Ion 100.15 (99.85 to 100.85): VV006429.D (-2179) (-)



#49
Dibromochloromethane
Concen: 20.984 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

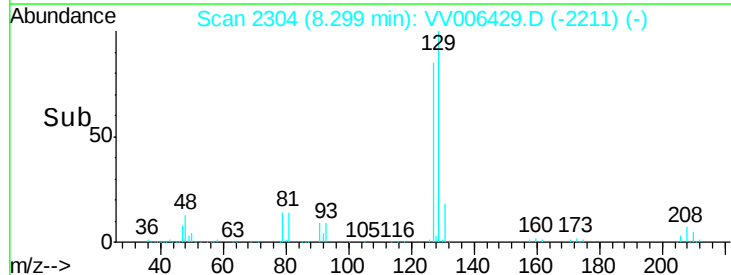
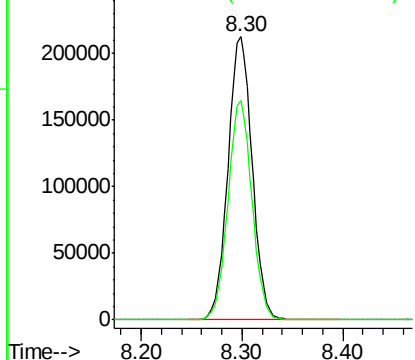
Tgt Ion: 129 Resp: 356753

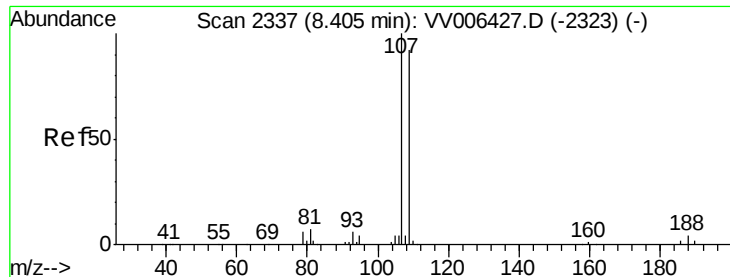
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.0	100.2



Abundance Ion 128.95 (128.65 to 129.65): VV006429.D (-2211) (-)

Ion 126.90 (126.60 to 127.60): VV006429.D (-2211) (-)

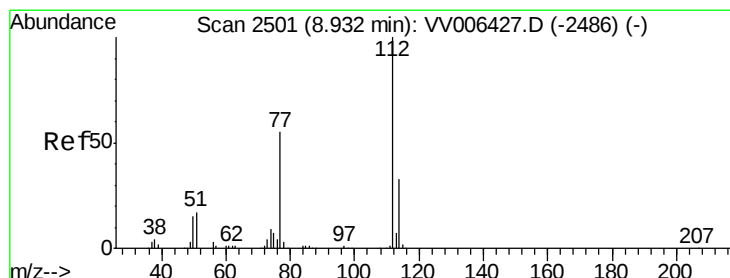
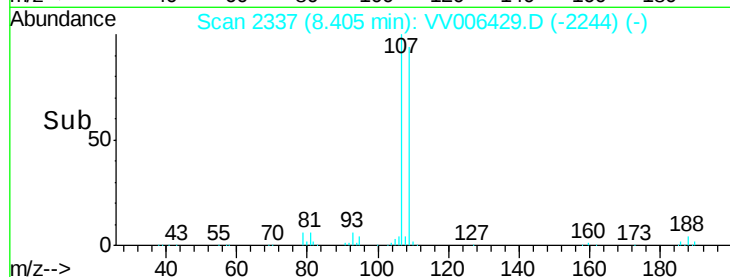
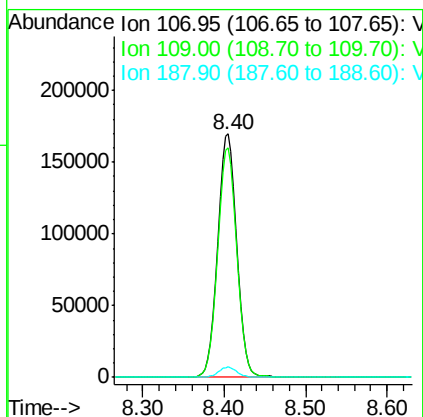
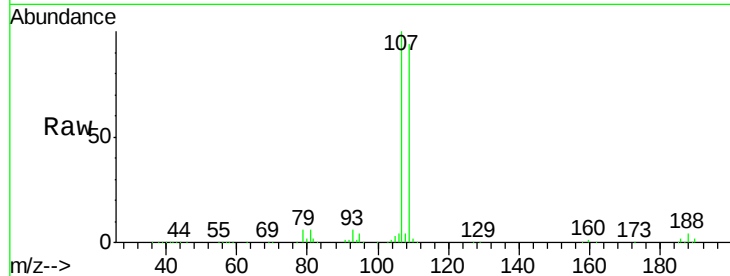




#50
1,2-Dibromoethane
Concen: 19.659 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

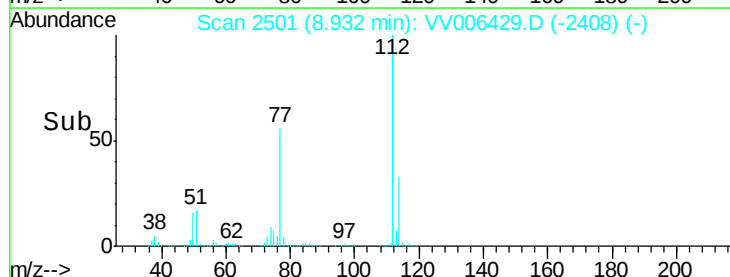
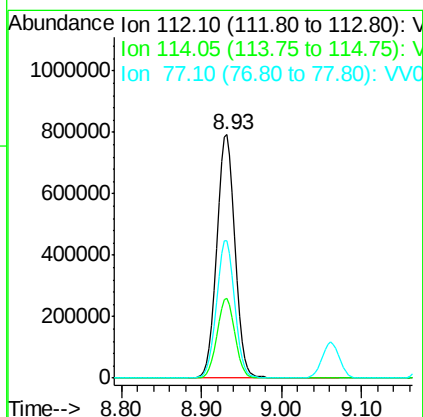
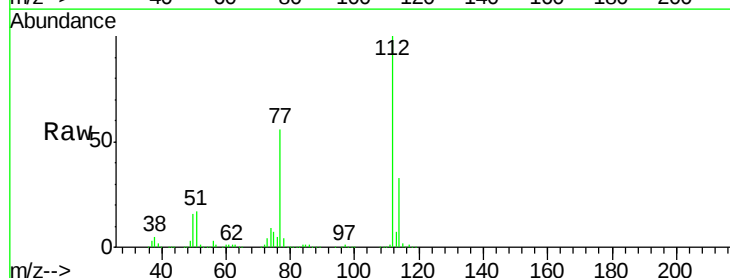
Instrument :
MSVOA_V
ClientSampleId :
VSTD02084

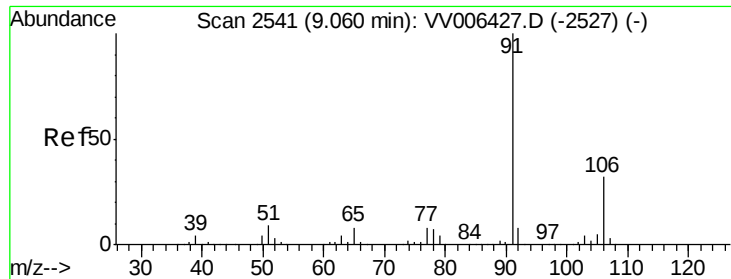
Tgt Ion:107 Resp: 281839
Ion Ratio Lower Upper
107 100
109 94.5 64.3 119.5
188 4.1 3.0 4.6



#51
Chlorobenzene
Concen: 19.028 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Tgt Ion:112 Resp: 1259832
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 56.4 44.6 66.8





#52

Ethylbenzene

Concen: 19.784 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

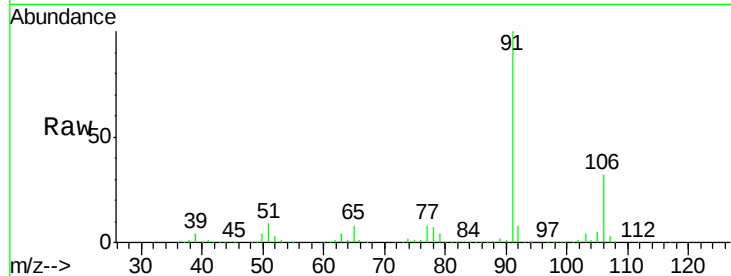
VSTD02084

Tgt Ion: 91 Resp: 2143189

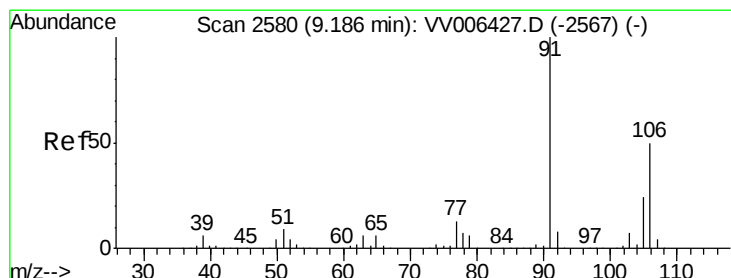
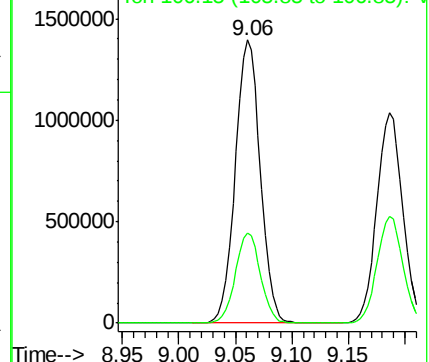
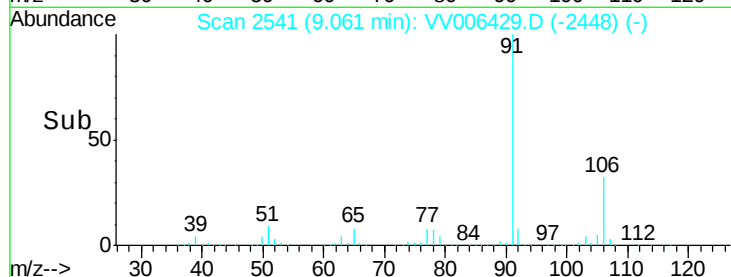
Ion Ratio Lower Upper

91 100

106 32.0 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006429.D (-2448) (-)



#53

m,p-xylene

Concen: 20.062 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006429.D

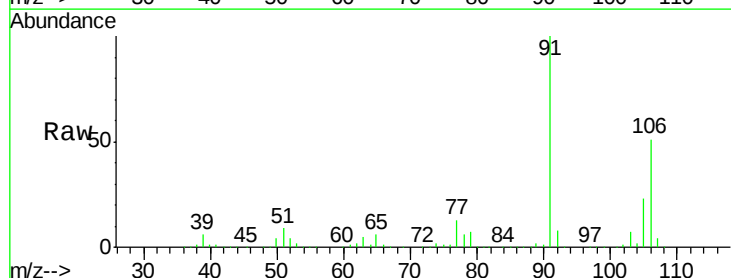
Acq: 25 Jun 2018 12:39

Tgt Ion: 106 Resp: 838177

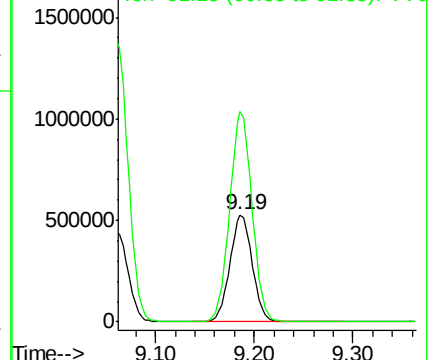
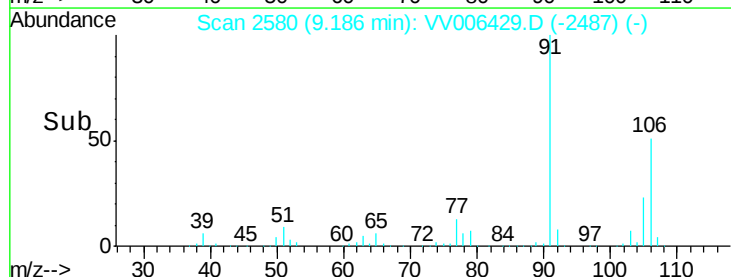
Ion Ratio Lower Upper

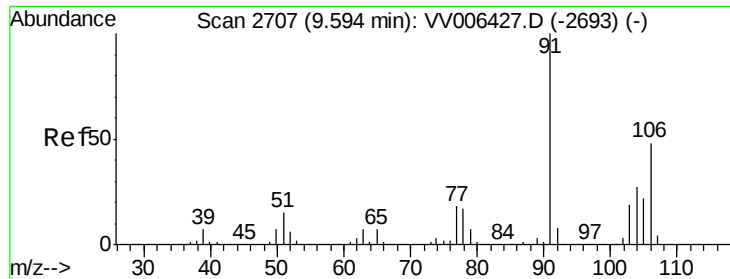
106 100

91 197.0 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006429.D (-2487) (-)

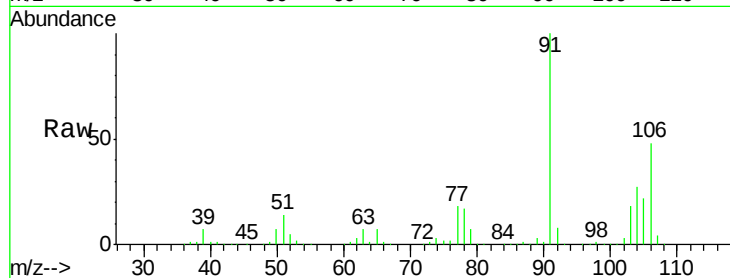




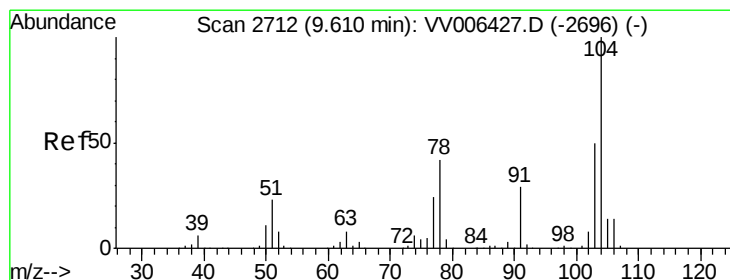
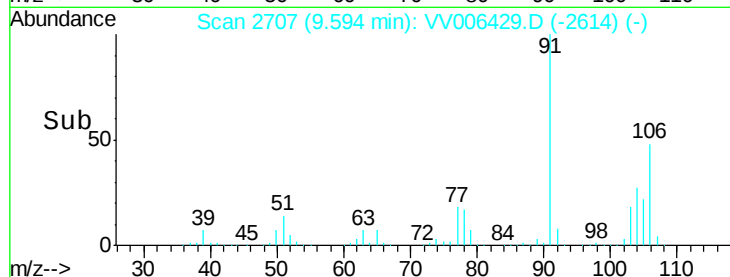
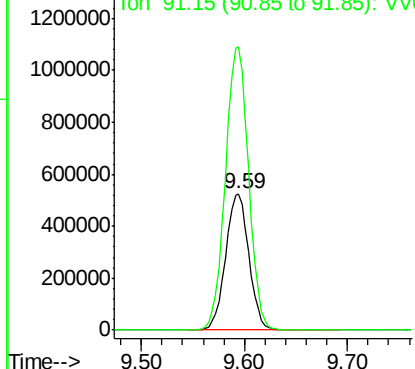
#54
o-xylene
Concen: 20.073 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD02084

Tgt Ion:106 Resp: 822711
Ion Ratio Lower Upper
106 100
91 207.1 145.7 270.7

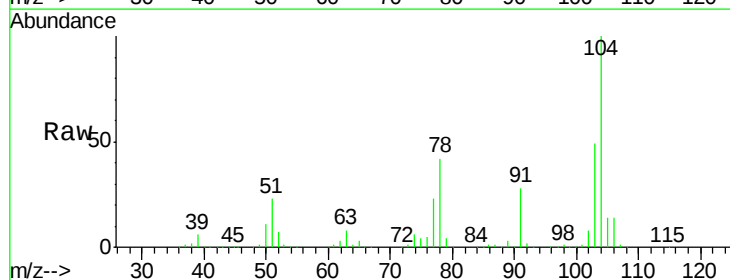


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

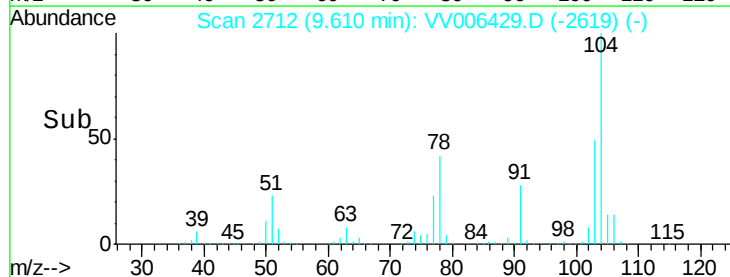
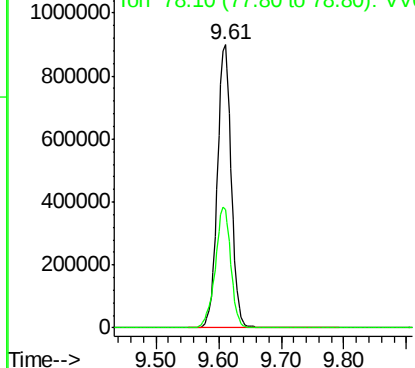


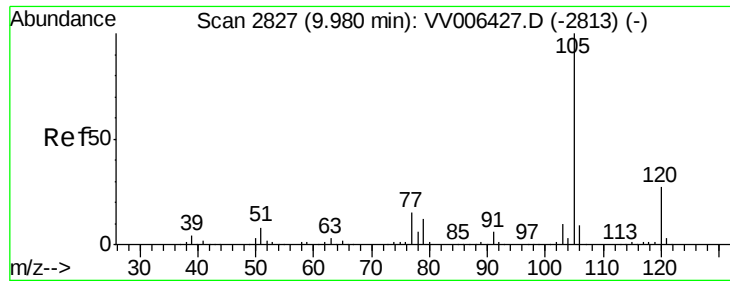
#55
Styrene
Concen: 20.612 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006429.D
Acq: 25 Jun 2018 12:39

Tgt Ion:104 Resp: 1382189
Ion Ratio Lower Upper
104 100
78 41.9 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: 20.166 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

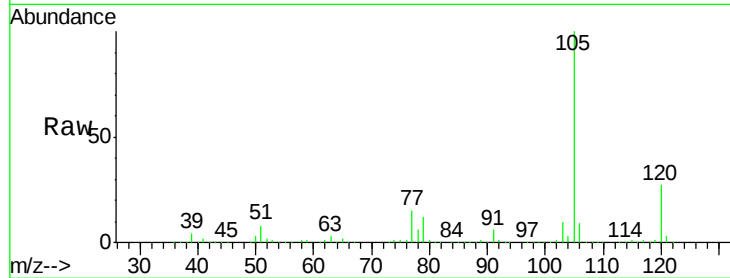
Tgt Ion:105 Resp: 2153786

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

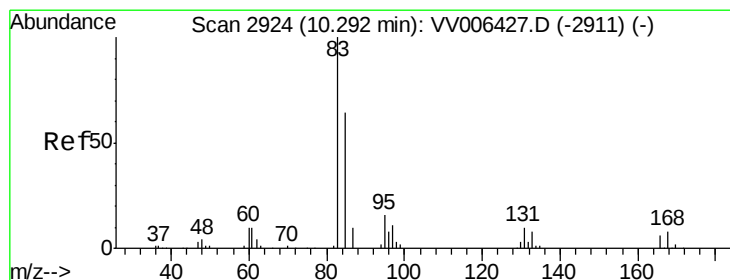
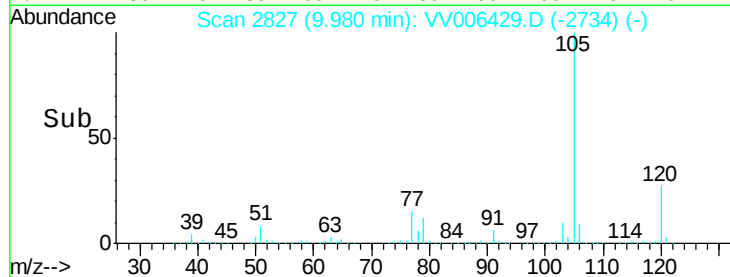
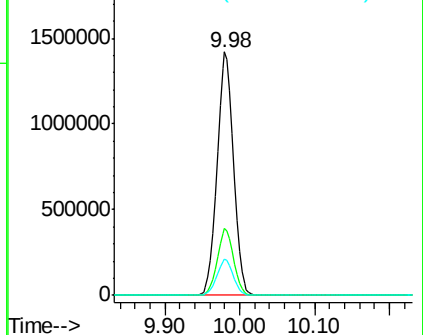
77 14.7 11.8 17.8



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: 20.810 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

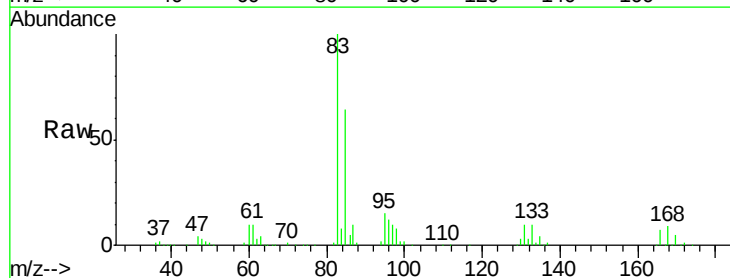
Tgt Ion: 83 Resp: 312996

Ion Ratio Lower Upper

83 100

85 64.2 44.8 83.2

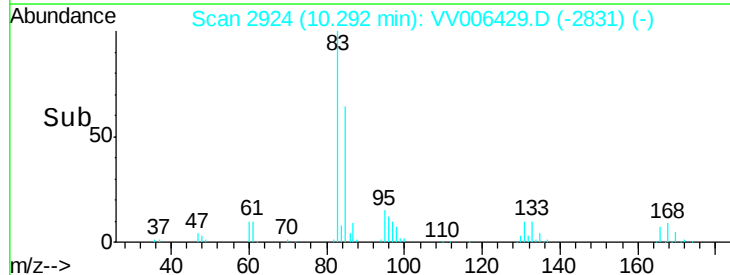
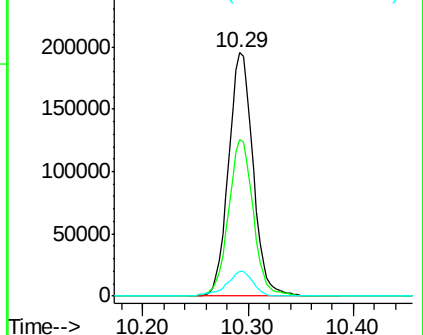
131 10.1 7.9 11.9

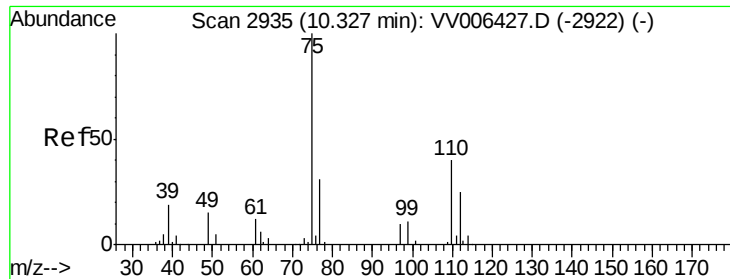


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.126 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

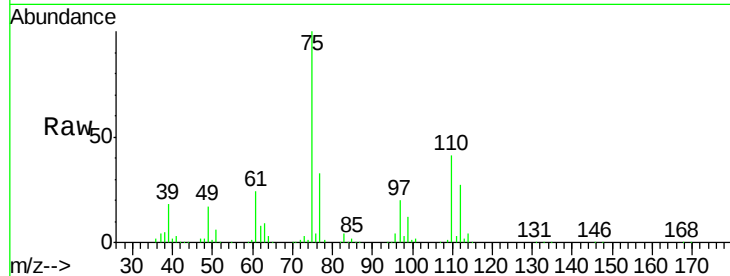
VSTD02084

Tgt Ion: 75 Resp: 240223

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV006427.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006427.D (-2922) (-)

150000

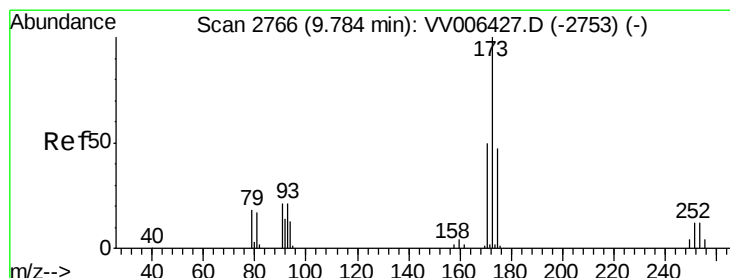
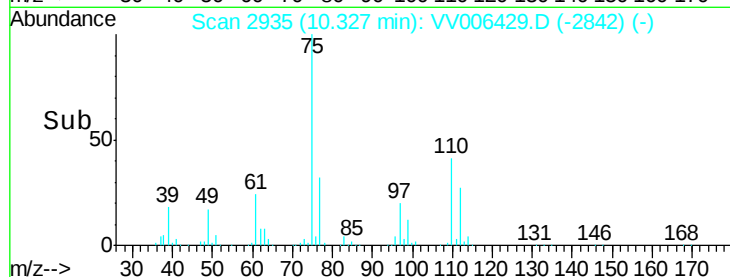
100000

50000

0

10.30 10.33 10.40

Time-->



#61

Bromoform

Concen: 20.772 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

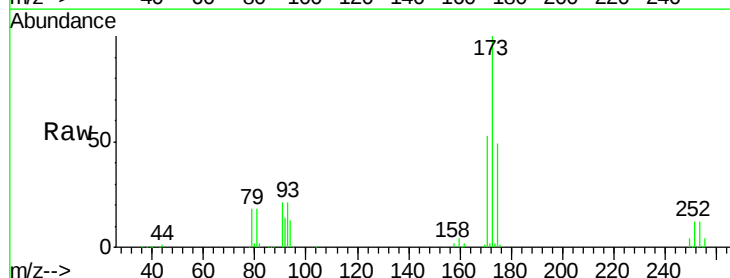
Tgt Ion: 173 Resp: 186875

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 11.6 9.0 13.6



Abundance Ion 172.90 (172.60 to 173.60): VV006427.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006427.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006427.D (-2753) (-)

150000

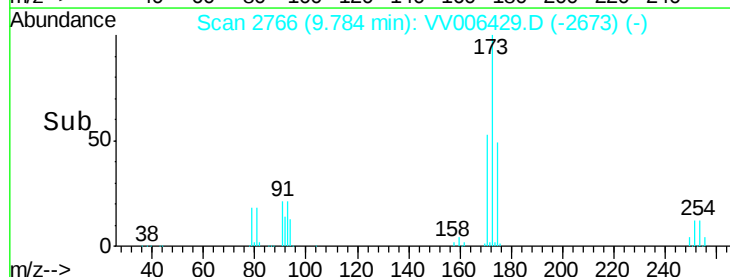
100000

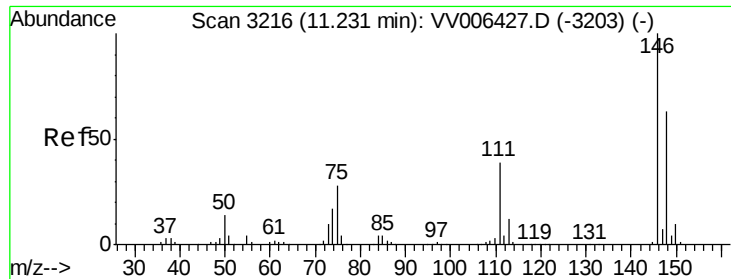
50000

0

9.70 9.75 9.80 9.85 9.90

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.073 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

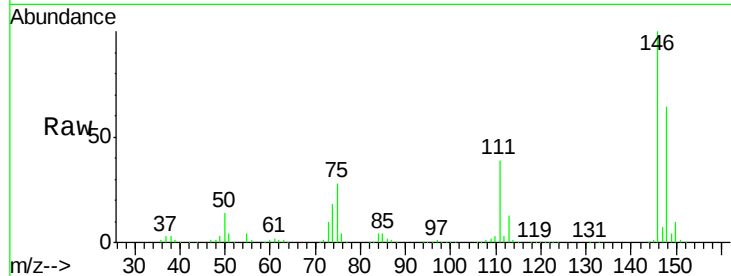
Tgt Ion:146 Resp: 1007100

Ion Ratio Lower Upper

146 100

111 39.3 27.4 51.0

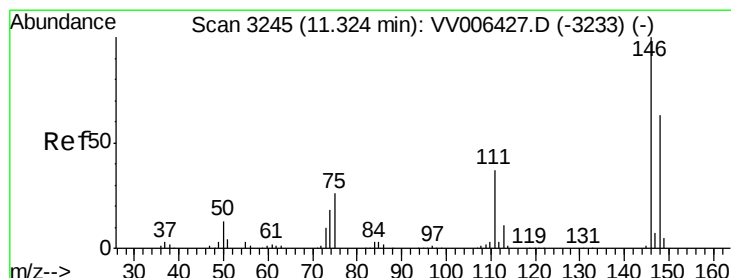
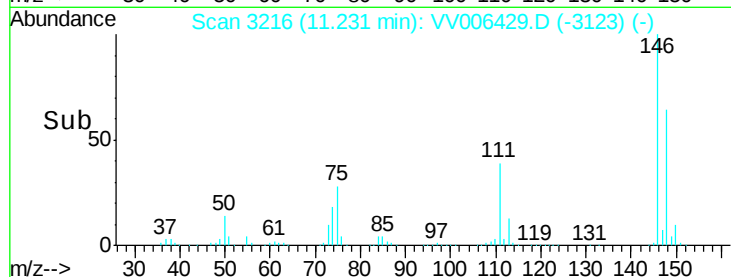
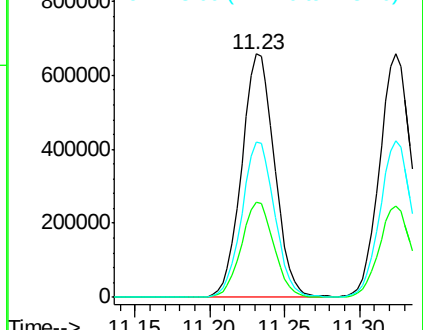
148 64.0 44.1 81.9



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



#63

1,4-Dichlorobenzene

Concen: 18.835 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

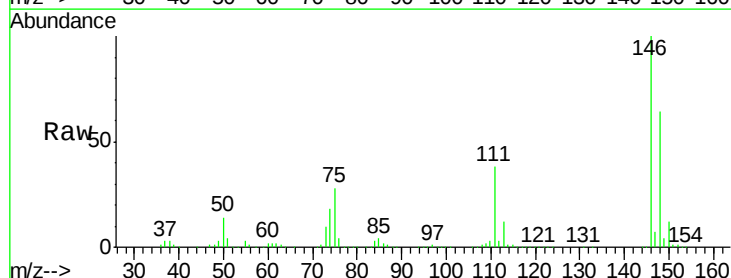
Tgt Ion:146 Resp: 994748

Ion Ratio Lower Upper

146 100

111 37.7 26.3 48.9

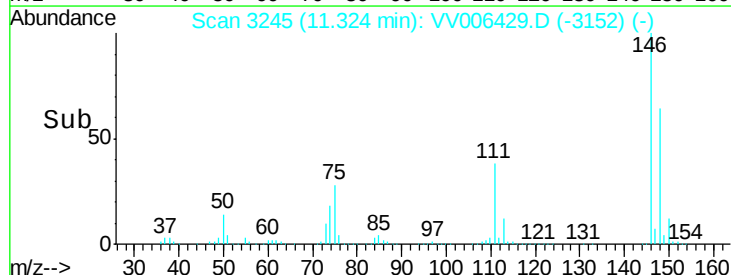
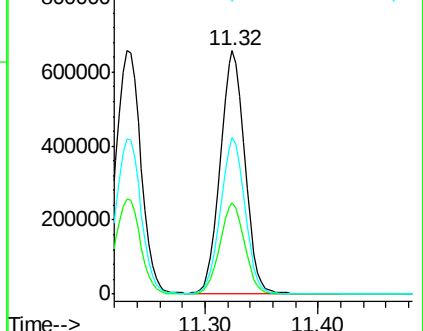
148 64.3 44.0 81.6

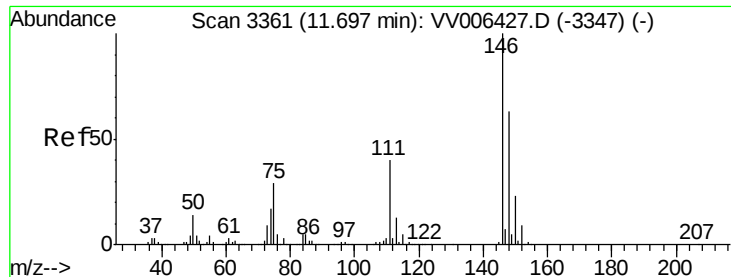


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 18.755 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

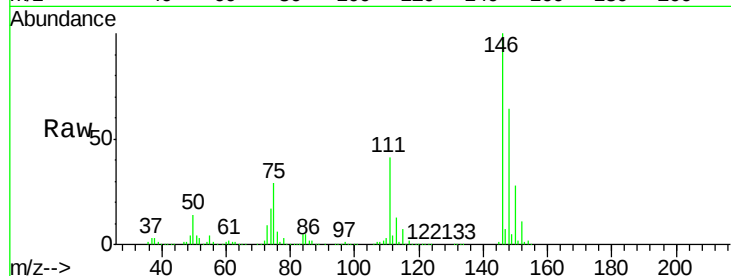
Tgt Ion:146 Resp: 926903

Ion Ratio Lower Upper

146 100

111 40.7 32.0 48.0

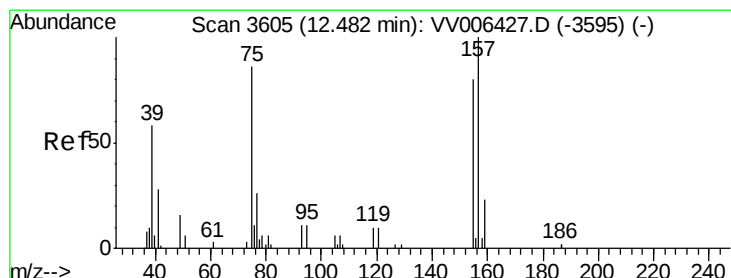
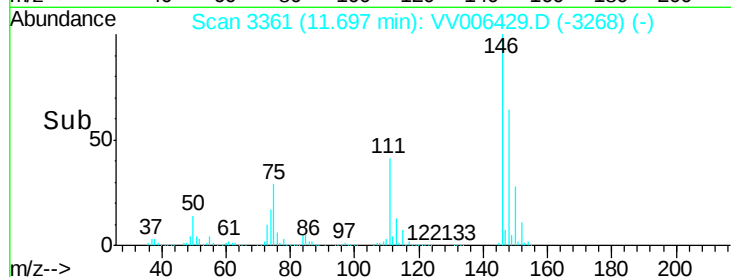
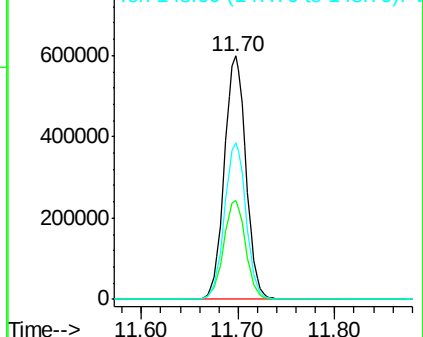
148 64.2 50.8 76.2



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: 22.783 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

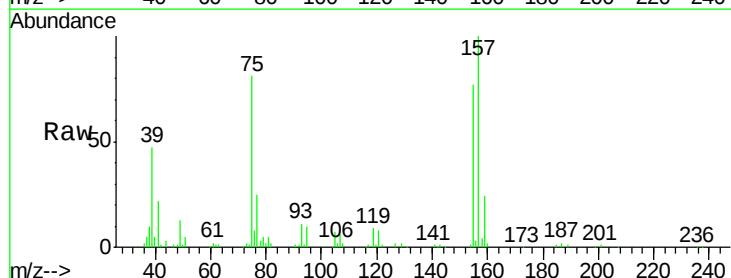
Tgt Ion: 75 Resp: 47846

Ion Ratio Lower Upper

75 100

155 95.1 73.9 110.9

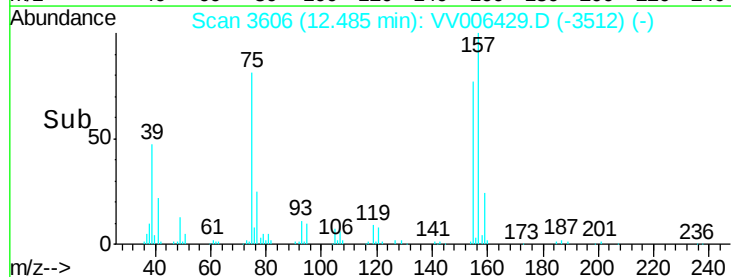
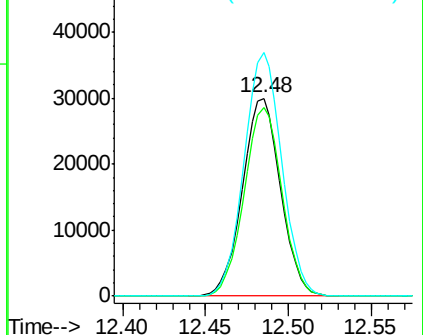
157 123.1 92.9 139.3

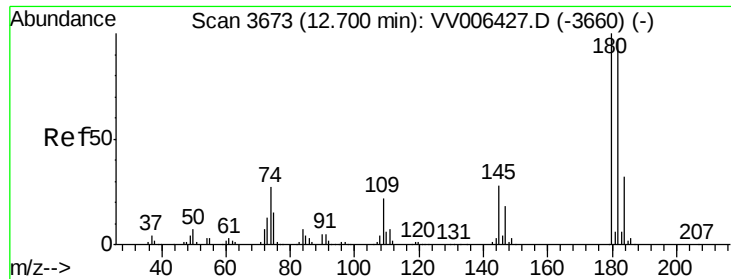


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

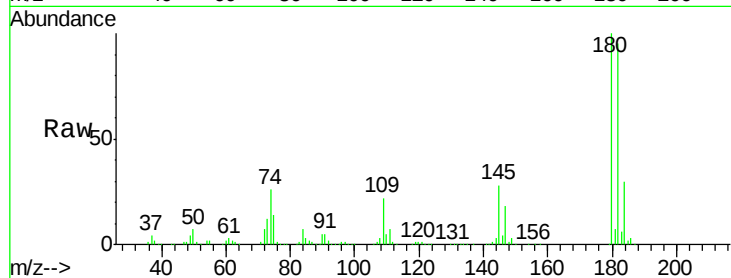




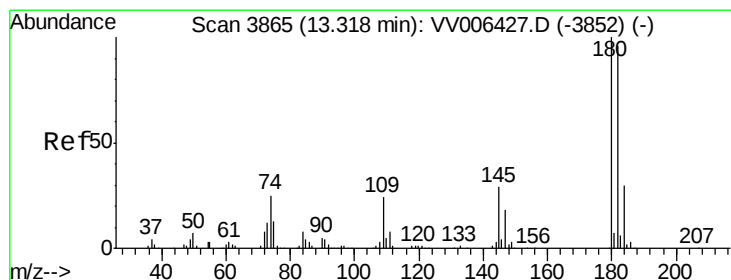
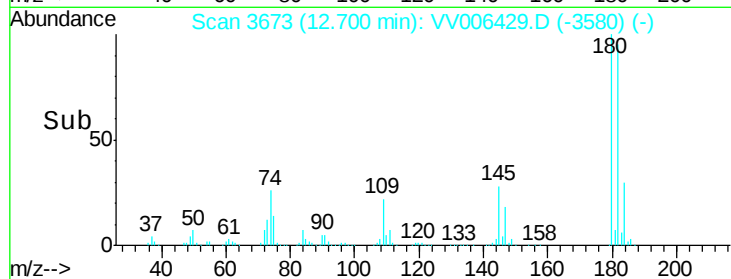
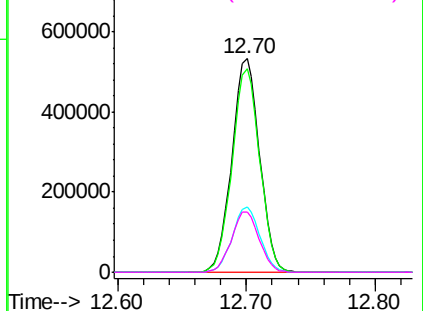
#67
 1,3,5-Trichlorobenzene
 Concen: 19.785 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02084

Tgt Ion:	180	Resp:	793800
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.6	115.0
184	30.5	24.5	36.7
145	28.4	22.6	34.0

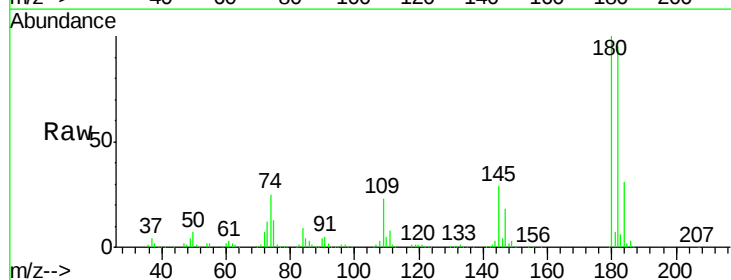


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

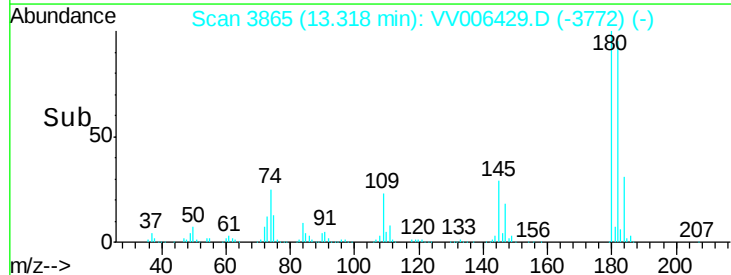
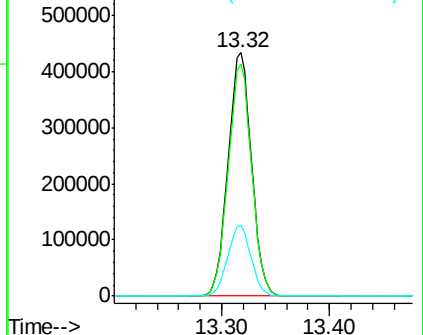


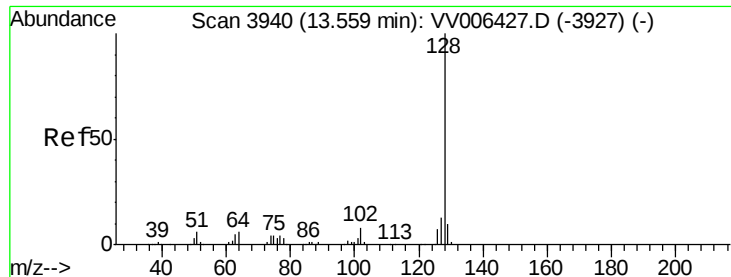
#68
 1,2,4-trichlorobenzene
 Concen: 22.301 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006429.D
 Acq: 25 Jun 2018 12:39

Tgt Ion:	180	Resp:	656130
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	29.0	23.0	34.6



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: 25.036 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD02084

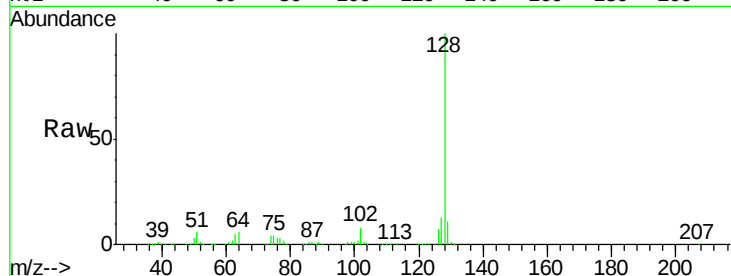
Tgt Ion:128 Resp: 1076683

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

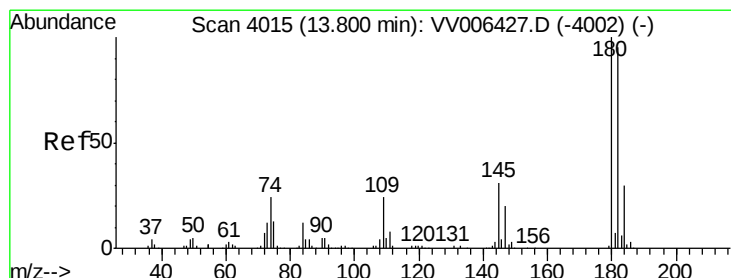
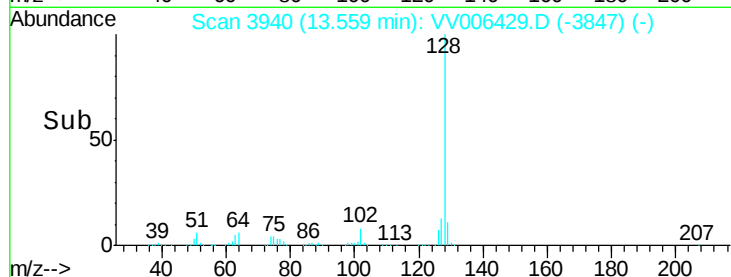
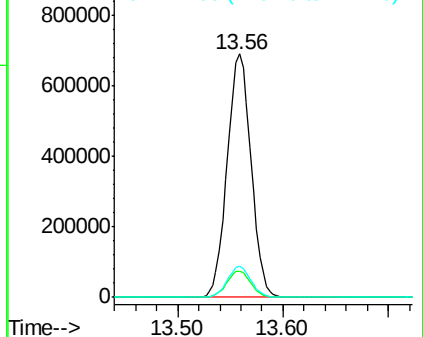
127 12.6 10.2 15.4



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: 21.669 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006429.D

Acq: 25 Jun 2018 12:39

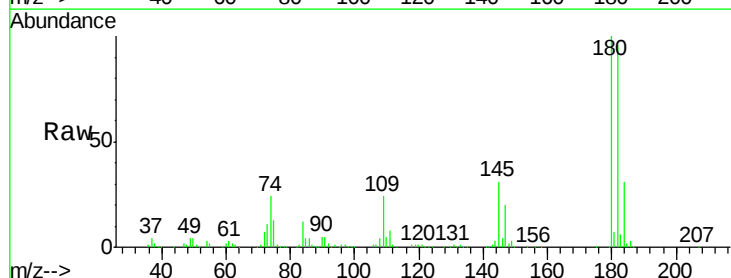
Tgt Ion:180 Resp: 593473

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

145 30.7 24.8 37.2



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

