

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006441.D
 Acq On : 25 Jun 2018 20:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

Quant Time: Jun 26 06:54:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	334632	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	301472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	145921	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96324	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	79313	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.13	63	177076	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.98	46	201098	48.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	4.41	84	173050	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.09	65	82492	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.11	84	367026	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	109516	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.37	98	353722	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.67	79	37287	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.14	63	169319	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68995	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	127916	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	119386	4.868	ug/L 100
3) Chloromethane	1.26	50	117786	4.685	ug/L 99
5) Vinyl chloride	1.32	62	130587	4.781	ug/L 99
6) Bromomethane	1.54	94	73282	4.633	ug/L 98
8) Chloroethane	1.60	64	81164	4.685	ug/L 99
9) Trichlorofluoromethane	1.77	101	161661	4.924	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102526	4.972	ug/L 99
12) 1,1-Dichloroethene	2.14	96	95440	4.716	ug/L 94
13) Acetone	2.23	43	128335	50.782	ug/L 99
14) Carbon disulfide	2.32	76	239185	4.185	ug/L 100
15) Methyl Acetate	2.48	43	36624	4.922	ug/L 96
16) Methylene chloride	2.54	84	105518	4.452	ug/L 99
17) Methyl tert-butyl Ether	2.82	73	233603	4.763	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	104921	4.736	ug/L 99
19) 1,1-Dichloroethane	3.23	63	184757	4.682	ug/L 99
21) 2-Butanone	4.06	43	215784	47.247	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	115756	4.751	ug/L 100

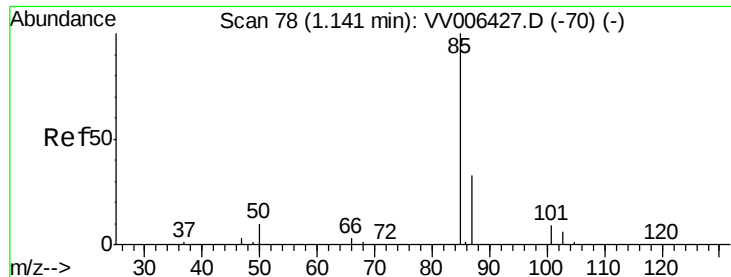
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006441.D
 Acq On : 25 Jun 2018 20:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

Quant Time: Jun 26 06:54:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	46451	4.692	ug/L	98
25) Chloroform	4.43	83	189387	4.762	ug/L	99
27) 1,2-Dichloroethane	5.19	62	108525	4.856	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	154233	4.691	ug/L	99
30) Cyclohexane	4.73	56	158936	4.837	ug/L	98
31) Carbon tetrachloride	4.88	117	129285	4.688	ug/L	99
33) Benzene	5.15	78	427668	4.803	ug/L	100
34) Trichloroethene	5.96	95	121013	4.751	ug/L	99
35) Methylcyclohexane	6.18	83	181888	4.911	ug/L	99
37) 1,2-Dichloropropane	6.23	63	105757	4.861	ug/L	100
38) Bromodichloromethane	6.56	83	114472	4.571	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	140342	4.635	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	518181	48.945	ug/L	100
42) Toluene	7.44	91	456925	4.846	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	108571	4.572	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	75079	4.996	ug/L	99
47) Tetrachloroethene	8.02	164	93221	4.845	ug/L	99
48) 2-Hexanone	8.20	43	374499	49.169	ug/L	100
49) Dibromochloromethane	8.30	129	73515	4.589	ug/L	99
50) 1,2-Dibromoethane	8.40	107	66939	4.955	ug/L	96
51) Chlorobenzene	8.93	112	302604	4.850	ug/L	99
52) Ethylbenzene	9.06	91	497246	4.871	ug/L	100
53) m,p-xylene	9.19	106	193052	4.904	ug/L	99
54) o-xylene	9.59	106	190607	4.936	ug/L	100
55) Styrene	9.61	104	314246	4.973	ug/L	100
56) Isopropylbenzene	9.98	105	497007	4.939	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	69963	4.937	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	58157	4.914	ug/L	100
61) Bromoform	9.78	173	35756	4.366	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	228648	4.757	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	228521	4.753	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	218756	4.863	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8435	4.413	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	175231	4.798	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	133766	4.995	ug/L	100
69) Naphthalene	13.56	128	197150	5.036	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	124500	4.994	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.868 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

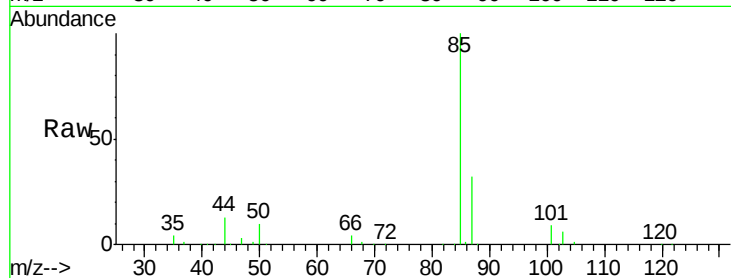
VSTD00586

Tgt Ion: 85 Resp: 119386

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006441.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006441.D (-1) (-)

1.14

100000

80000

60000

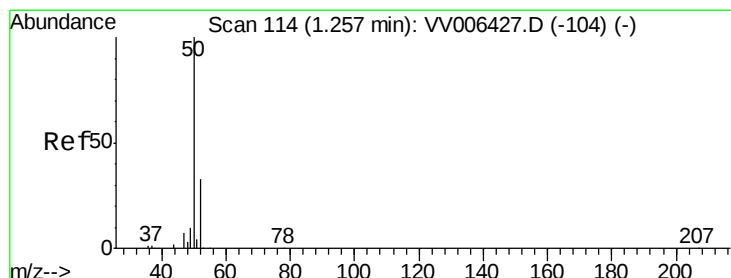
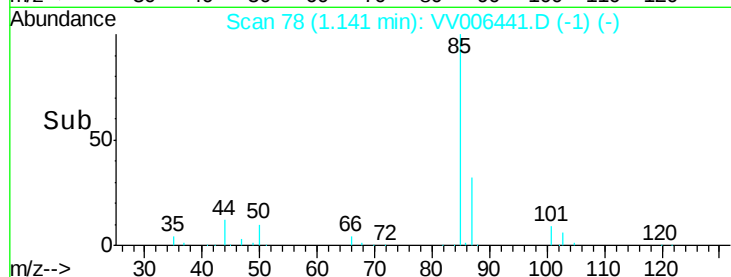
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 4.685 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006441.D

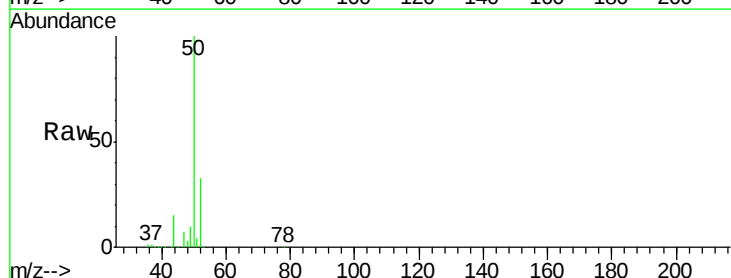
Acq: 25 Jun 2018 20:43

Tgt Ion: 50 Resp: 117786

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006441.D (-21) (-)

Ion 52.05 (51.75 to 52.75): VV006441.D (-21) (-)

1.26

80000

60000

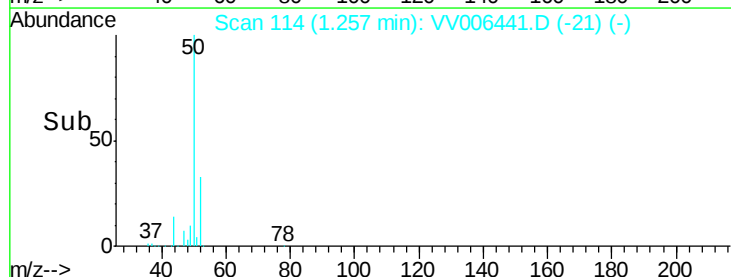
40000

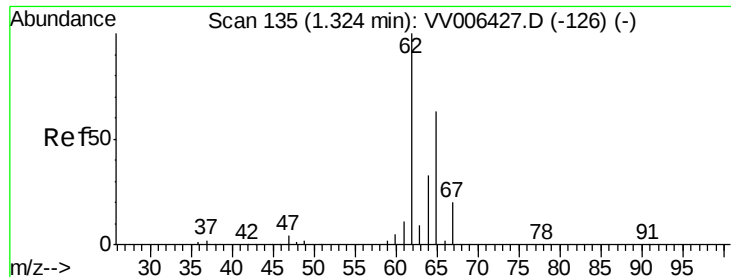
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.781 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampled :

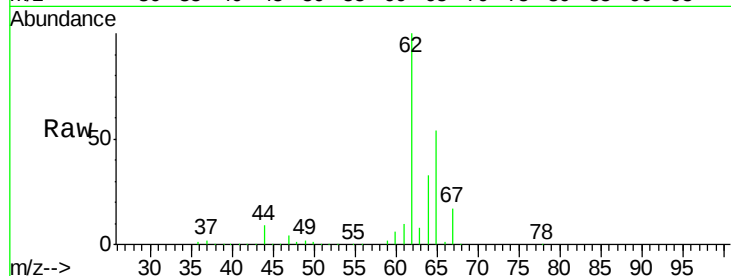
VSTD00586

Tgt Ion: 62 Resp: 130587

Ion Ratio Lower Upper

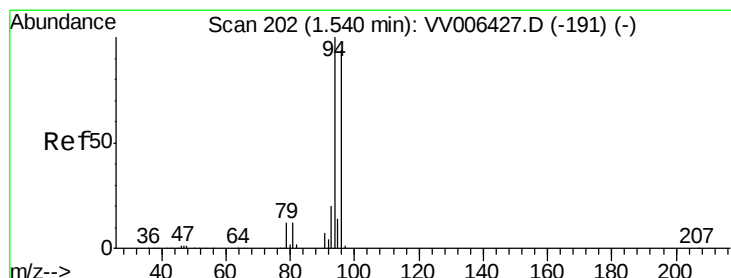
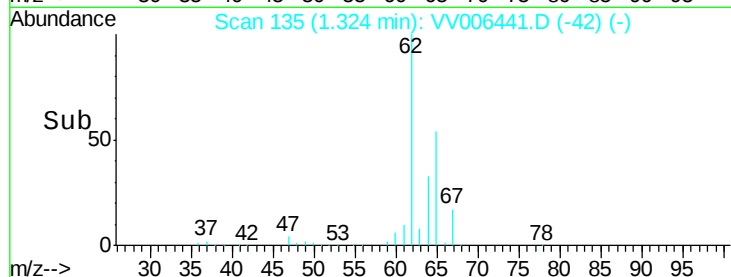
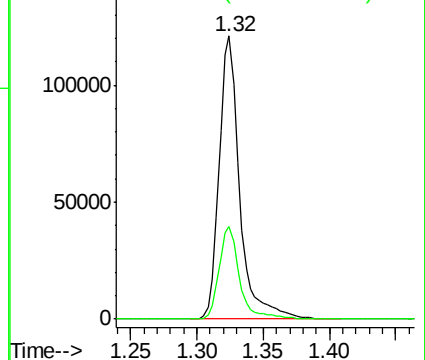
62 100

64 32.7 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: 4.633 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006441.D

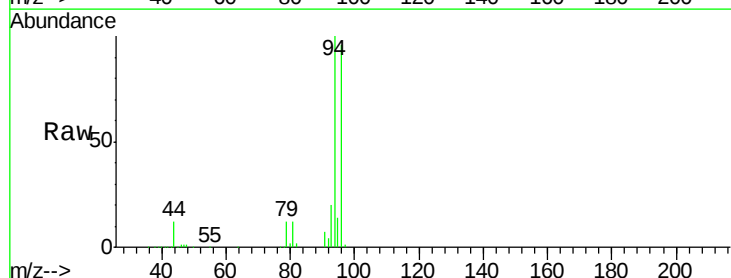
Acq: 25 Jun 2018 20:43

Tgt Ion: 94 Resp: 73282

Ion Ratio Lower Upper

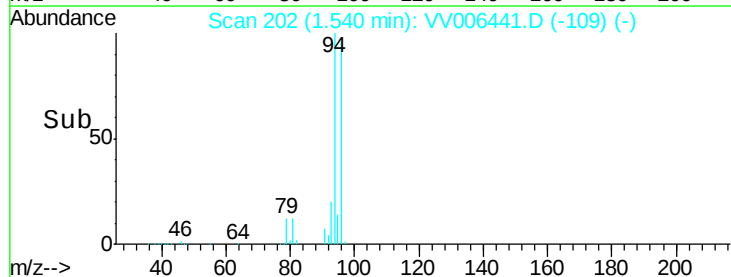
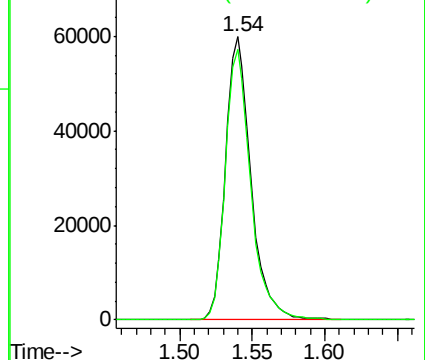
94 100

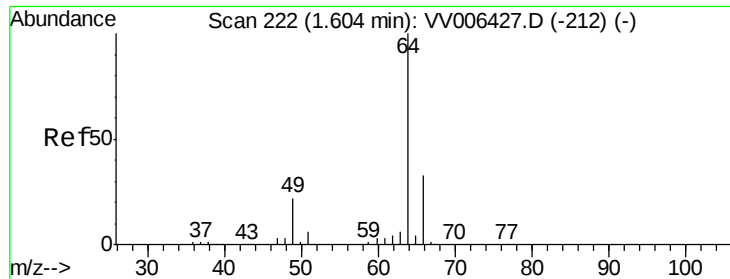
96 95.5 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.685 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

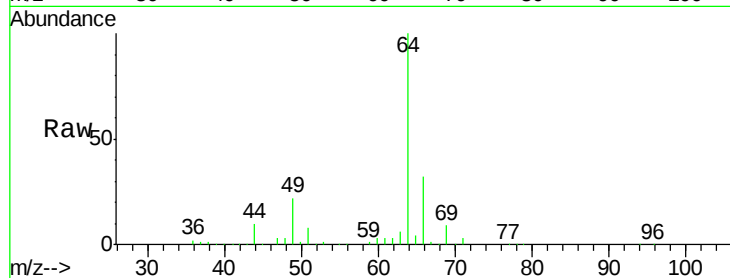
VSTD00586

Tgt Ion: 64 Resp: 81164

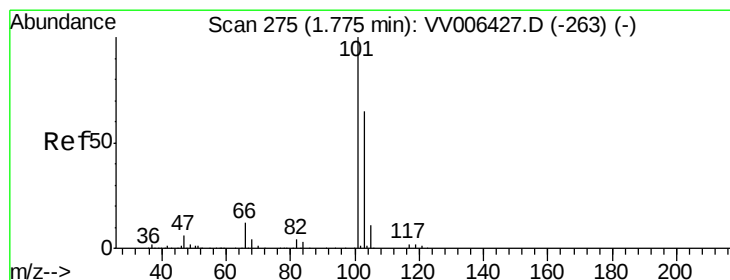
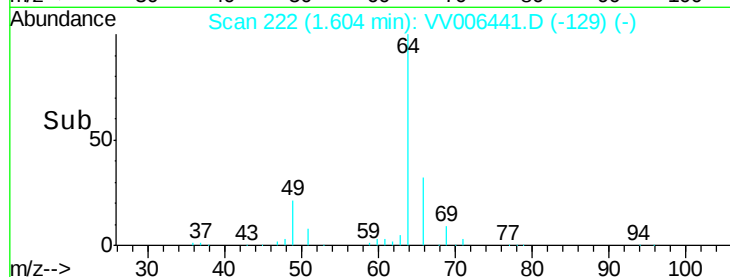
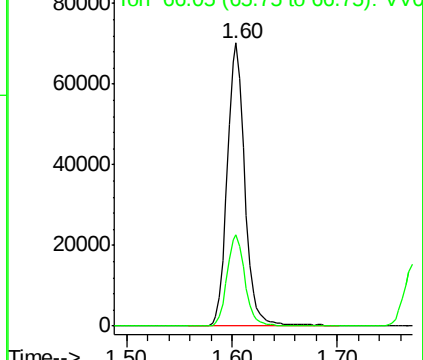
Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006441.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.924 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006441.D

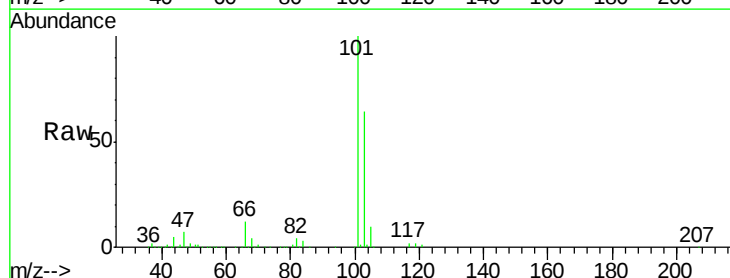
Acq: 25 Jun 2018 20:43

Tgt Ion: 101 Resp: 161661

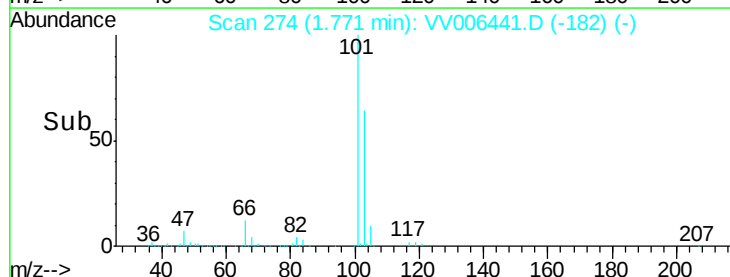
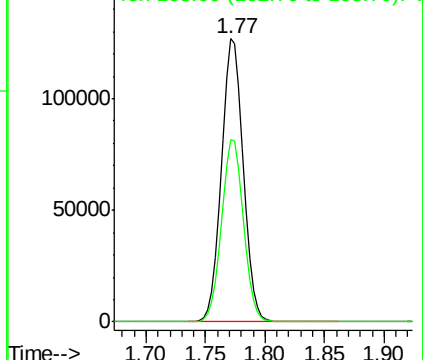
Ion Ratio Lower Upper

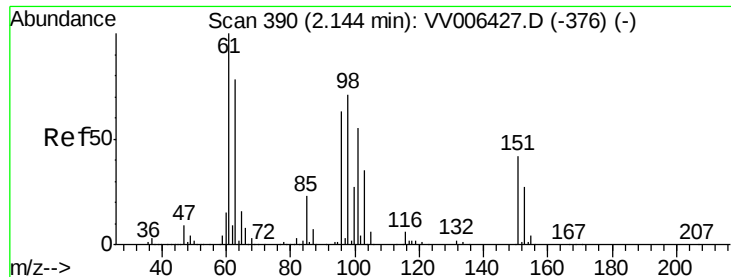
101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006441.D (-182) (-)





#10

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

Concen: 4.972 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

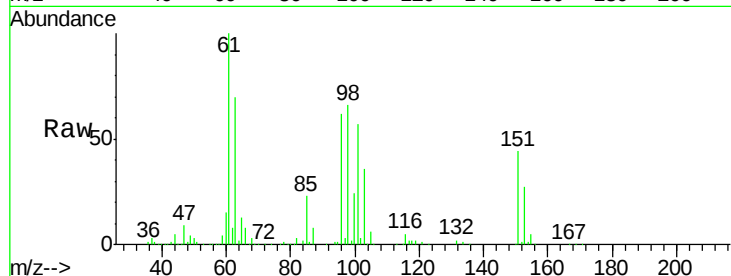
Tgt Ion:101 Resp: 102526

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

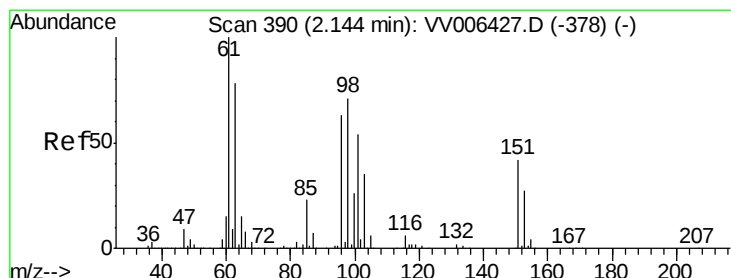
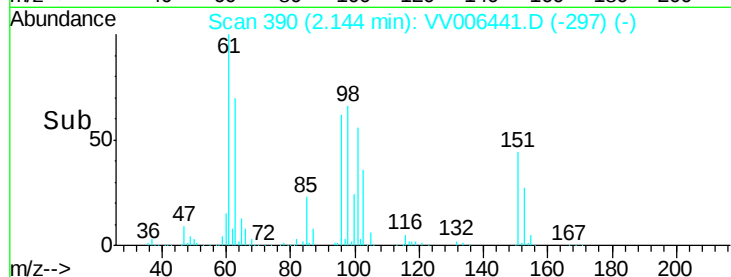
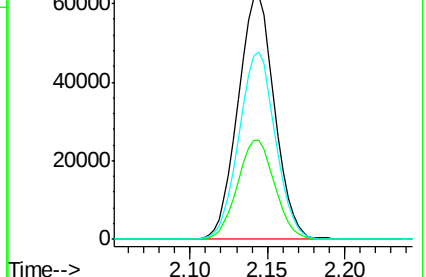
151 76.5 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006441.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006441.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006441.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.716 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

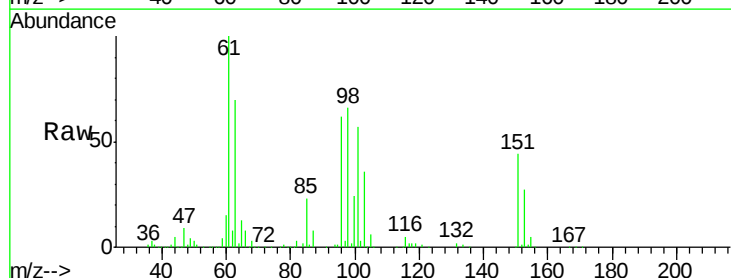
Tgt Ion: 96 Resp: 95440

Ion Ratio Lower Upper

96 100

61 161.9 111.4 207.0

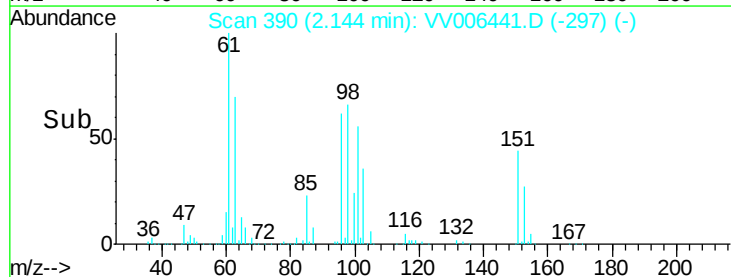
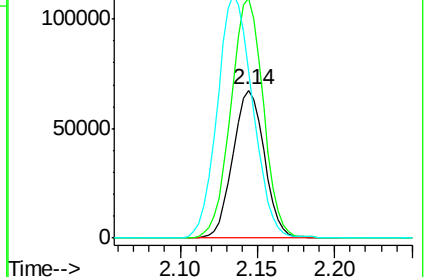
63 113.1 87.4 162.2

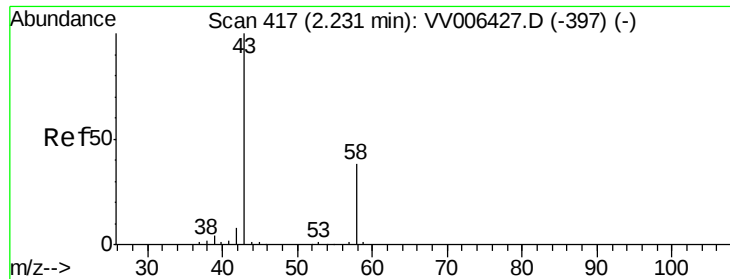


Abundance Ion 96.00 (95.70 to 96.70): VV006441.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006441.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006441.D (-297) (-)





#13

Acetone

Concen: 50.782 ug/L

RT: 2.23 min Scan# 416

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

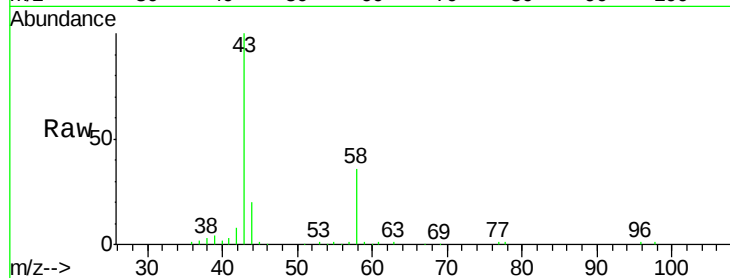
VSTD00586

Tgt Ion: 43 Resp: 128335

Ion Ratio Lower Upper

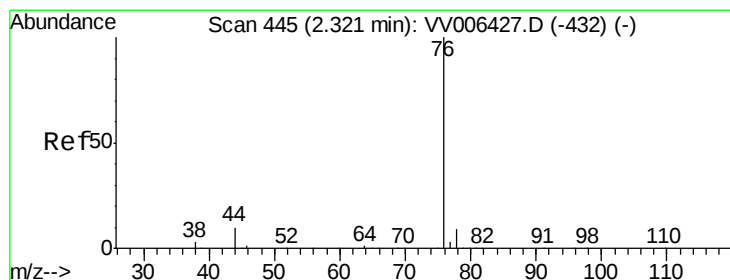
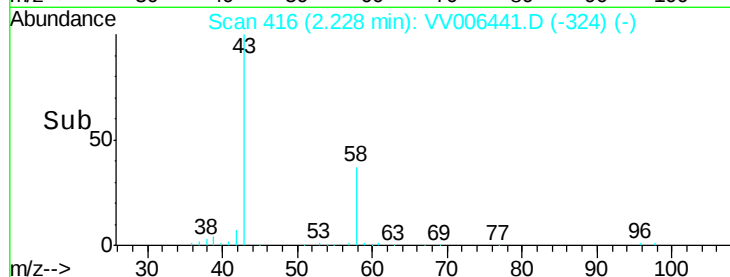
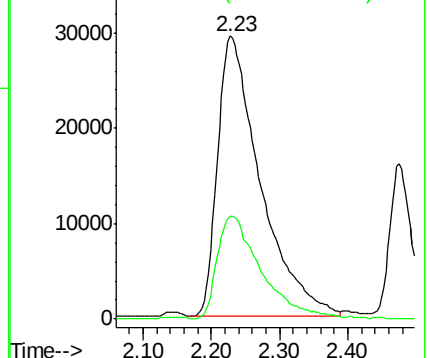
43 100

58 37.8 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.185 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006441.D

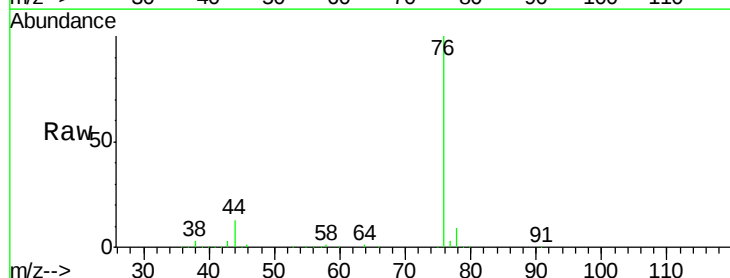
Acq: 25 Jun 2018 20:43

Tgt Ion: 76 Resp: 239185

Ion Ratio Lower Upper

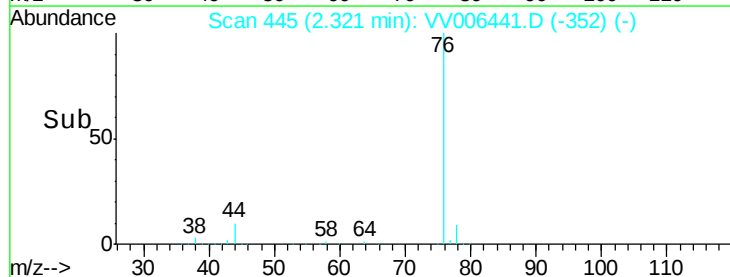
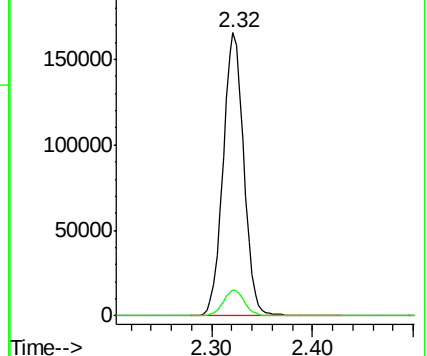
76 100

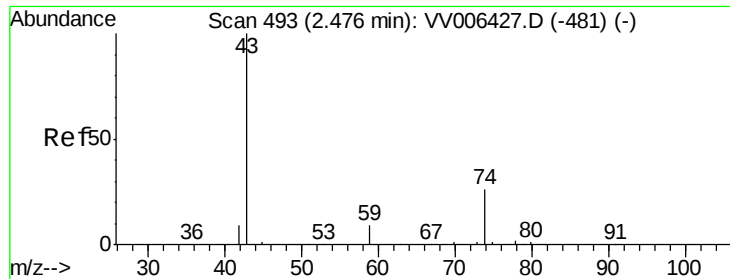
78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

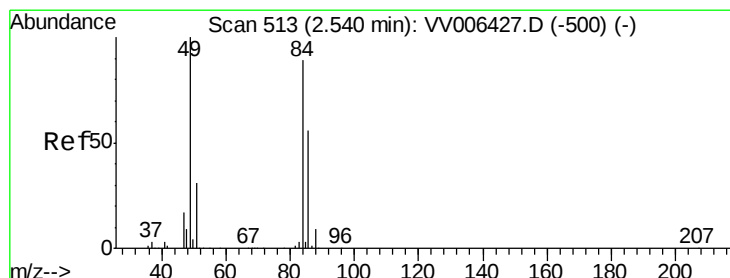
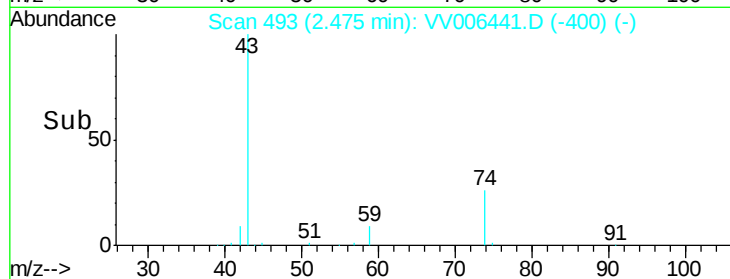
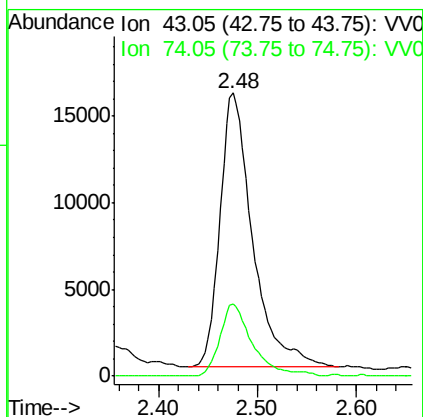
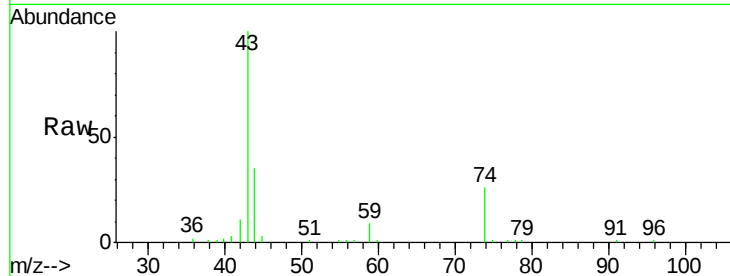




#15
Methyl Acetate
Concen: 4.922 ug/L
RT: 2.48 min Scan# 493
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

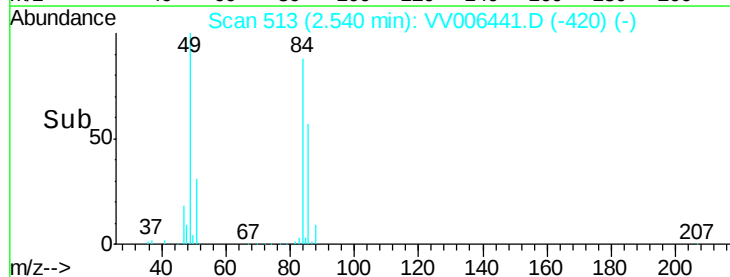
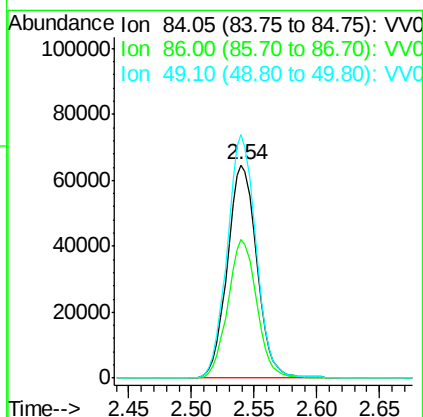
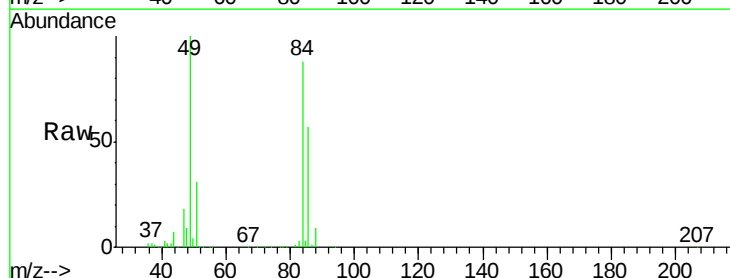
Instrument :
MSVOA_V
ClientSampled :
VSTD00586

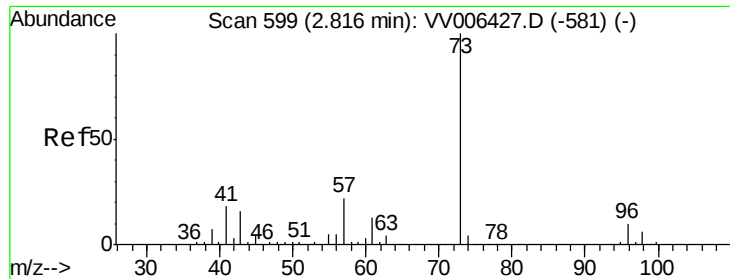
Tgt Ion: 43 Resp: 36624
Ion Ratio Lower Upper
43 100
74 25.6 22.2 33.4



#16
Methylene chloride
Concen: 4.452 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Tgt Ion: 84 Resp: 105518
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 114.1 79.0 146.8

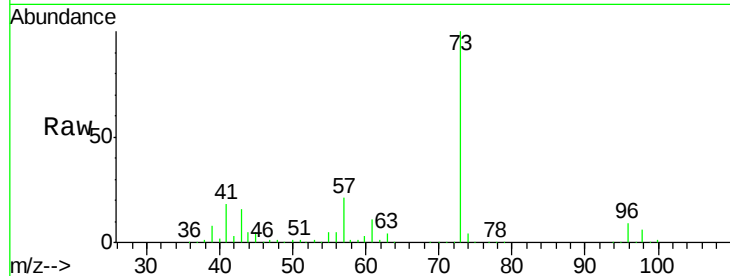




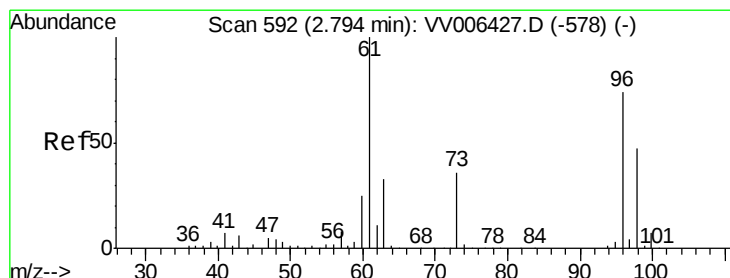
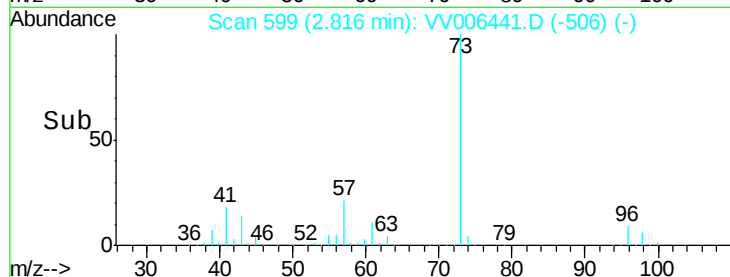
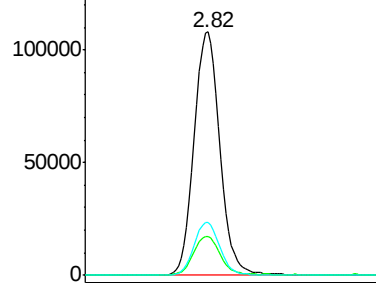
#17
Methyl tert-butyl Ether
Concen: 4.763 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00586

Tgt Ion: 73 Resp: 233603
Ion Ratio Lower Upper
73 100
43 15.8 12.9 19.3
57 21.9 17.5 26.3

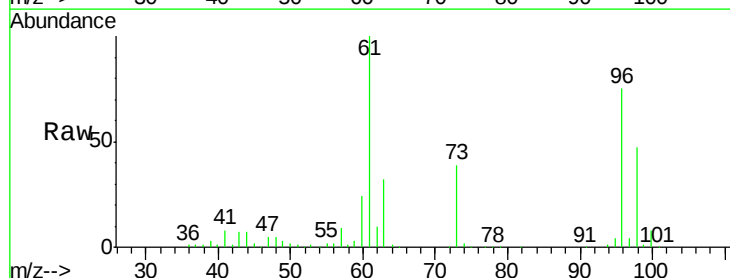


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

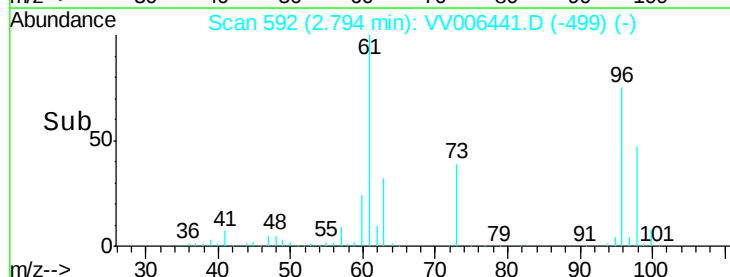
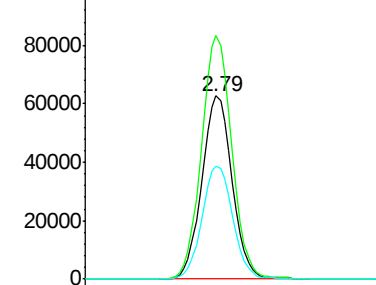


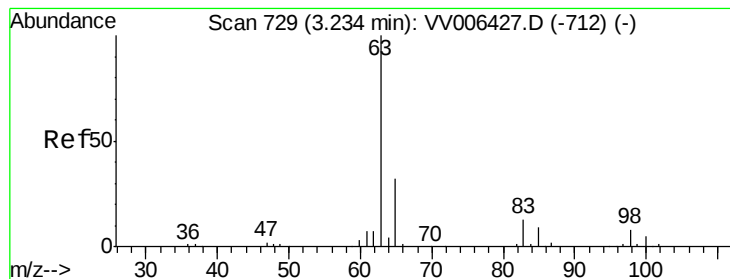
#18
trans-1,2-Dichloroethene
Concen: 4.736 ug/L
RT: 2.79 min Scan# 592
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Tgt Ion: 96 Resp: 104921
Ion Ratio Lower Upper
96 100
61 133.1 94.4 175.2
98 62.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.682 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

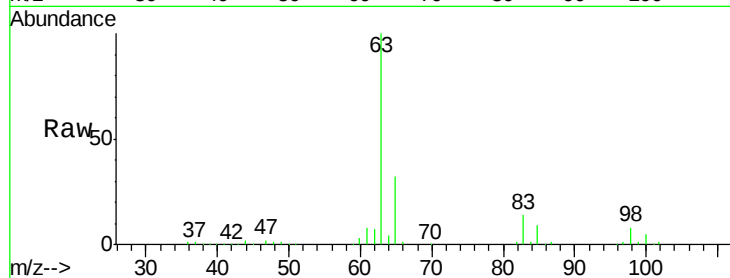
Tgt Ion: 63 Resp: 184757

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

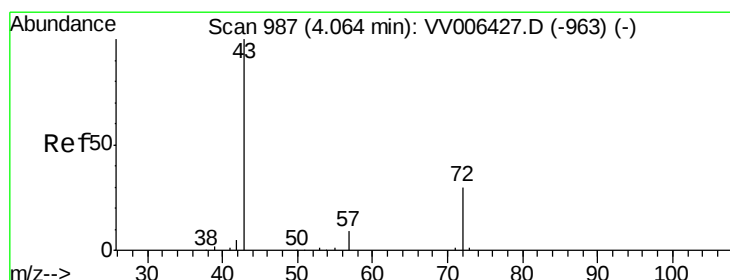
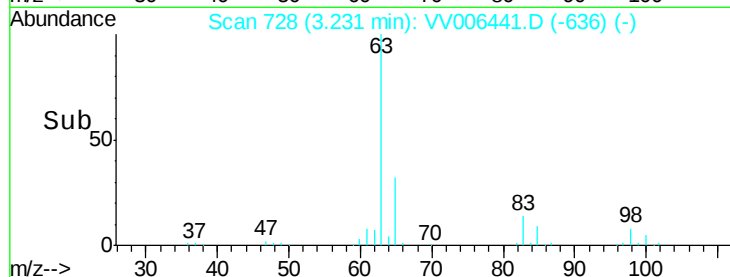
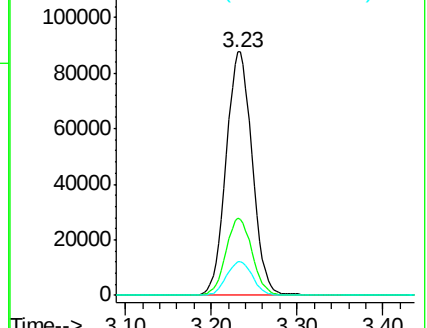
83 13.6 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 47.247 ug/L

RT: 4.06 min Scan# 986

Delta R.T. -0.00 min

Lab File: VV006441.D

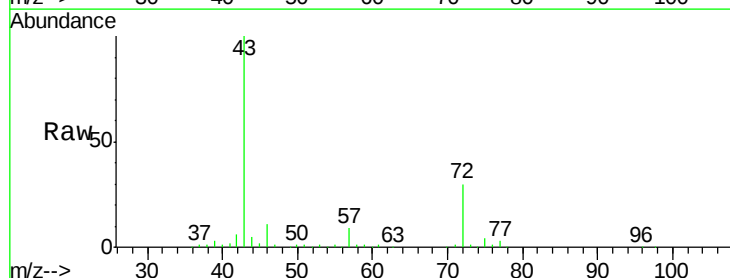
Acq: 25 Jun 2018 20:43

Tgt Ion: 43 Resp: 215784

Ion Ratio Lower Upper

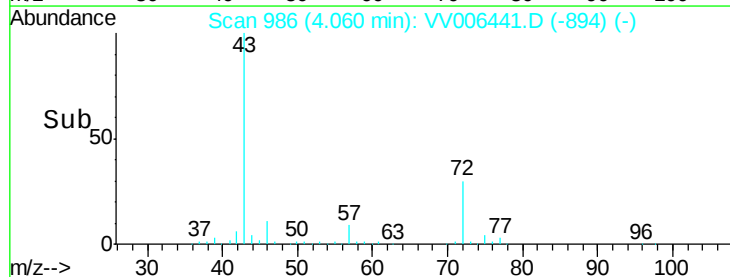
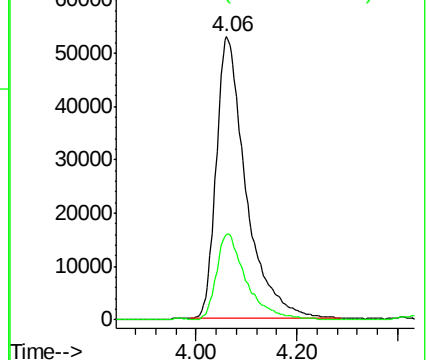
43 100

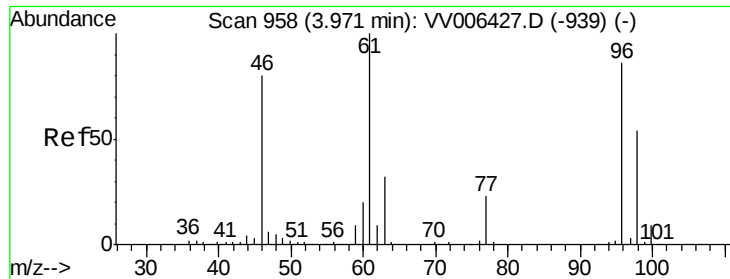
72 30.0 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

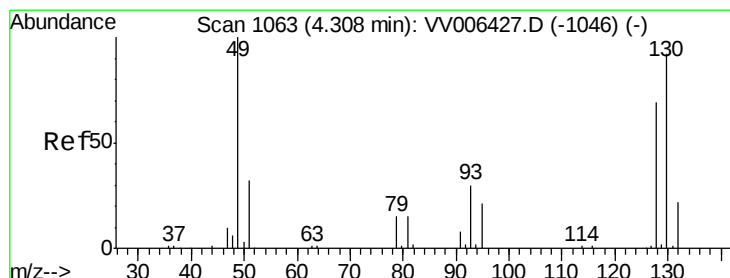
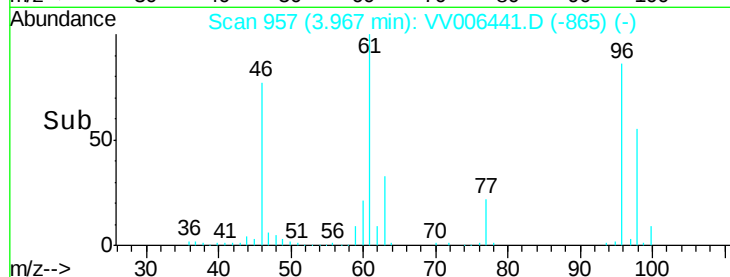
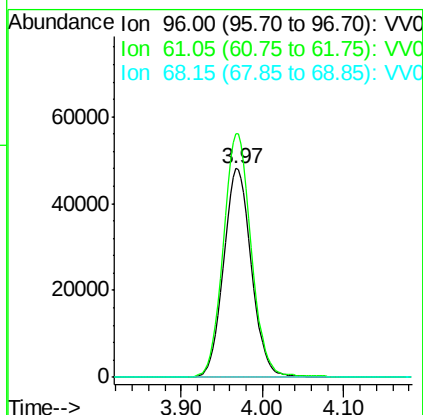
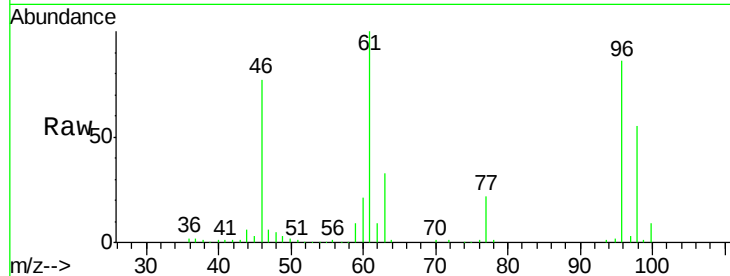




#22
 cis-1,2-Dichloroethene
 Concen: 4.751 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

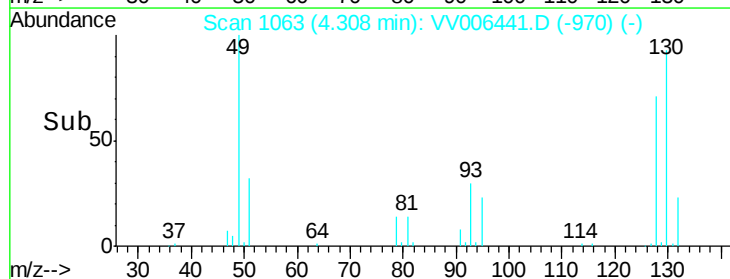
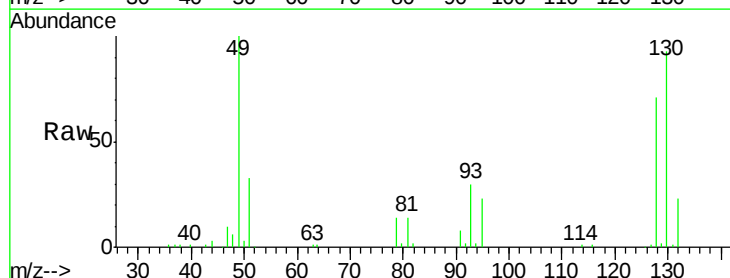
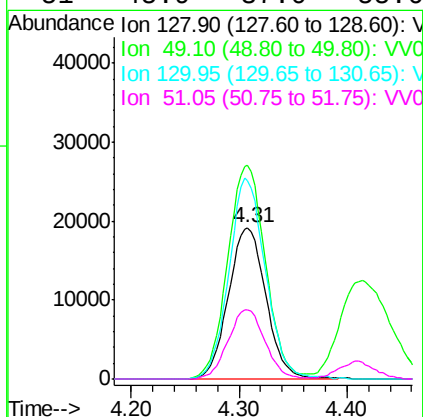
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

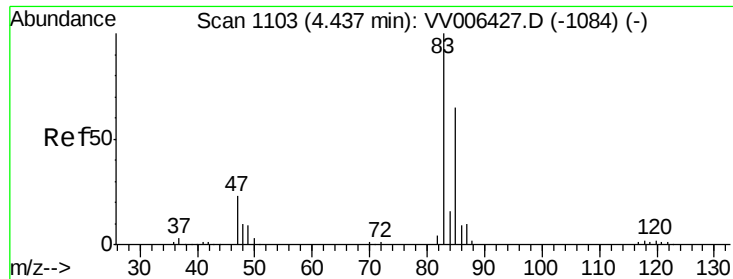
Tgt Ion: 96 Resp: 115756
 Ion Ratio Lower Upper
 96 100
 61 116.6 81.8 151.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.692 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion: 128 Resp: 46451
 Ion Ratio Lower Upper
 128 100
 49 140.8 101.2 188.0
 130 130.8 93.0 172.6
 51 45.9 37.0 55.6





#25

Chloroform

Concen: 4.762 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

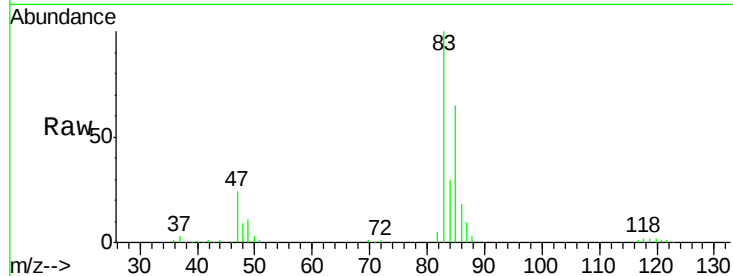
VSTD00586

Tgt Ion: 83 Resp: 189387

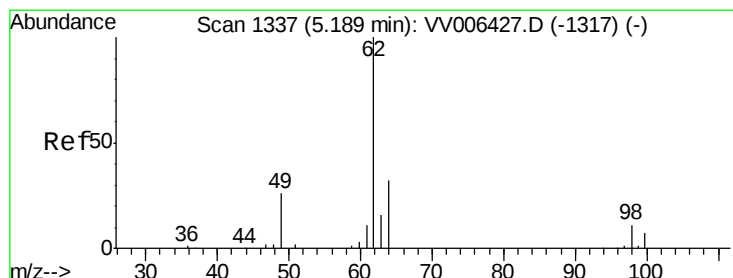
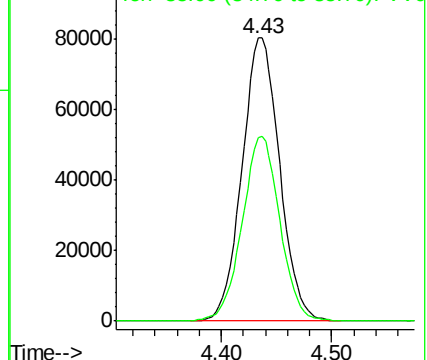
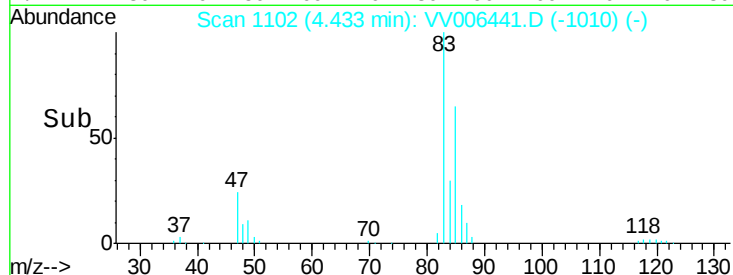
Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VV006441.D (-1010) (-)



#27

1,2-Dichloroethane

Concen: 4.856 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VV006441.D

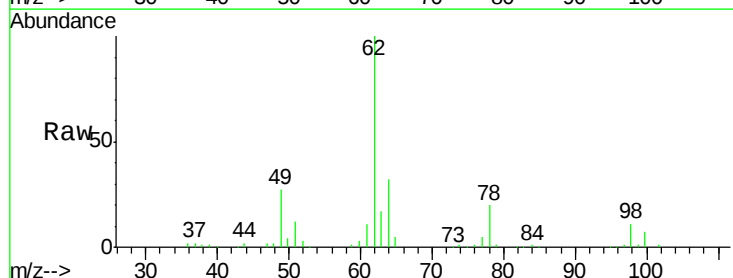
Acq: 25 Jun 2018 20:43

Tgt Ion: 62 Resp: 108525

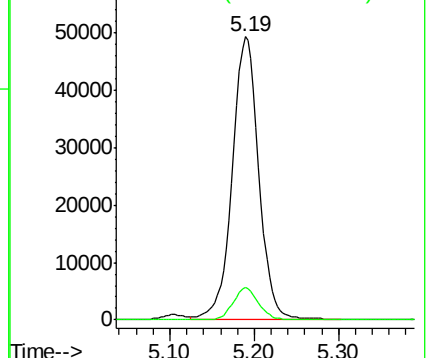
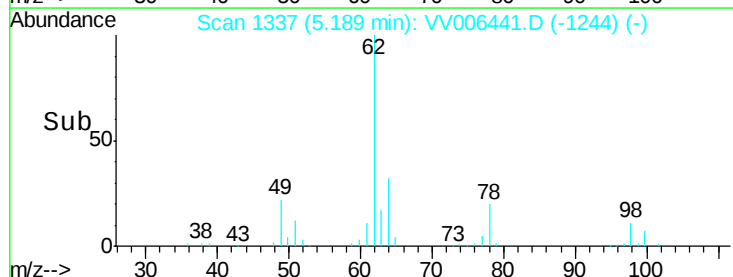
Ion Ratio Lower Upper

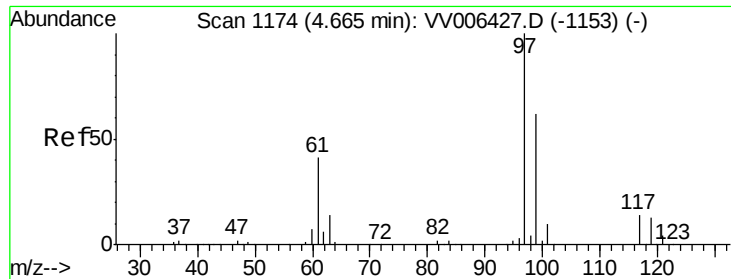
62 100

98 11.3 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006441.D (-1244) (-)

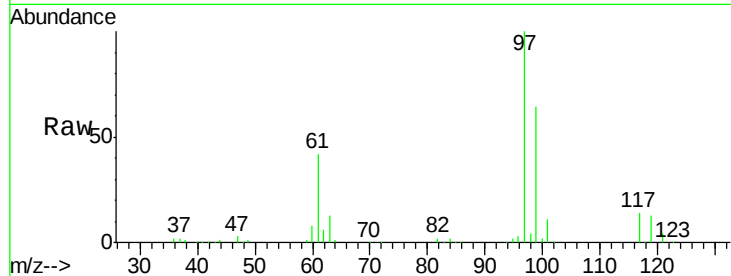




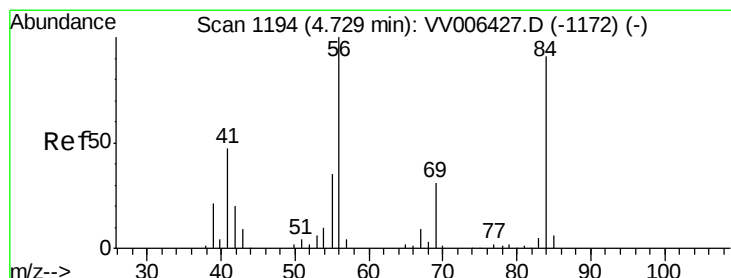
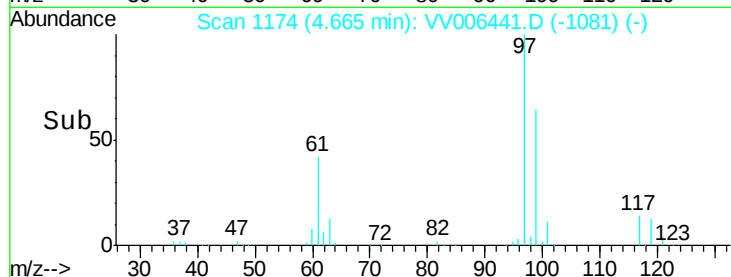
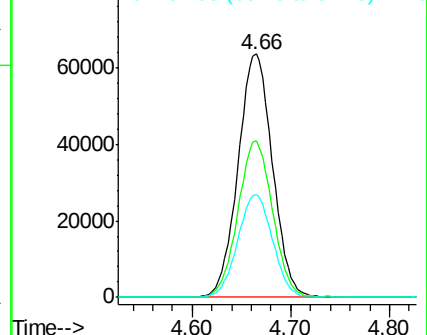
#29
 1,1,1-Trichloroethane
 Concen: 4.691 ug/L
 RT: 4.66 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

Tgt Ion: 97 Resp: 154233
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.4
 61 42.7 33.8 50.6

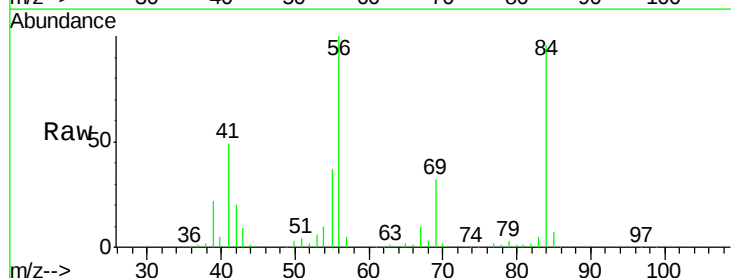


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

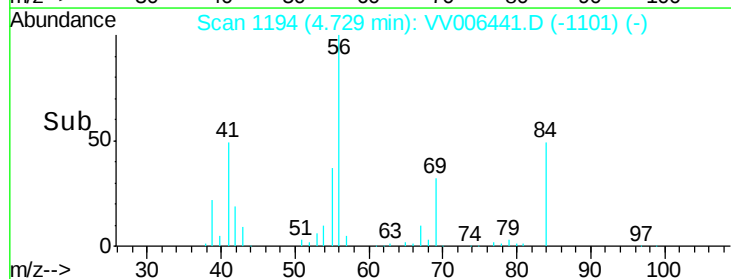
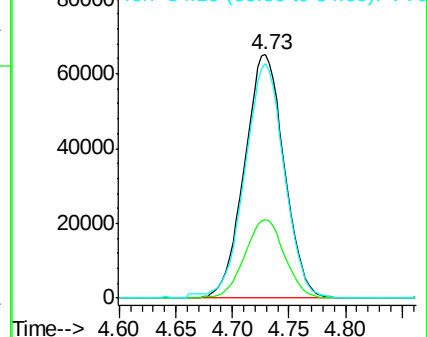


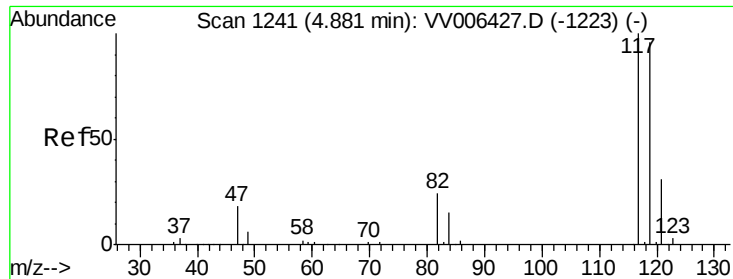
#30
 Cyclohexane
 Concen: 4.837 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion: 56 Resp: 158936
 Ion Ratio Lower Upper
 56 100
 69 32.5 25.6 38.4
 84 96.1 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: 4.688 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

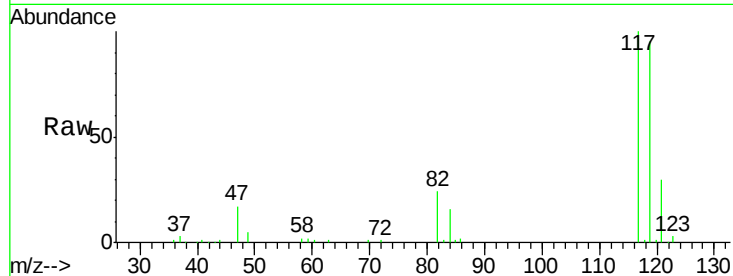
VSTD00586

Tgt Ion:117 Resp: 129285

Ion Ratio Lower Upper

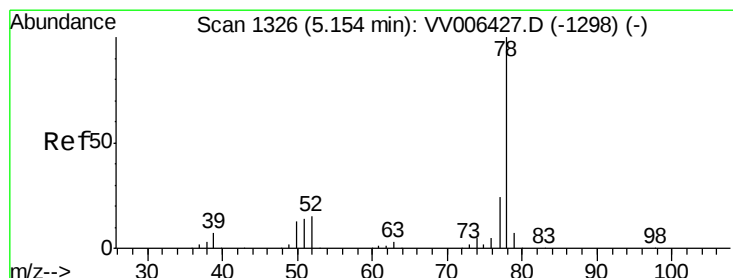
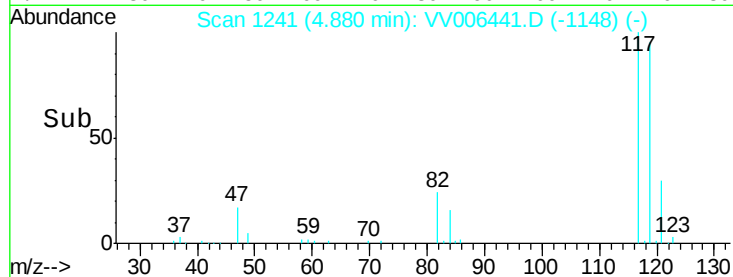
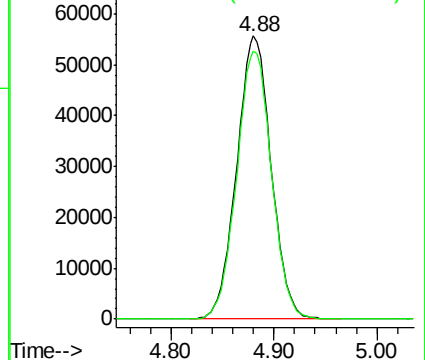
117 100

119 95.8 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: 4.803 ug/L

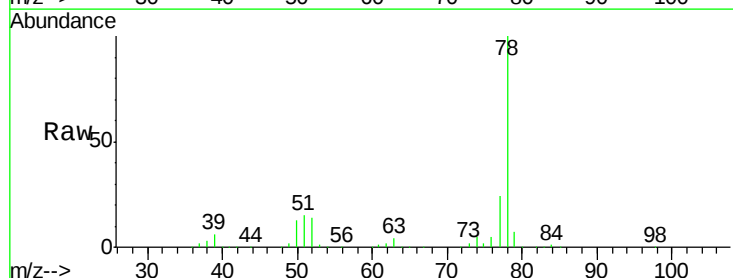
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

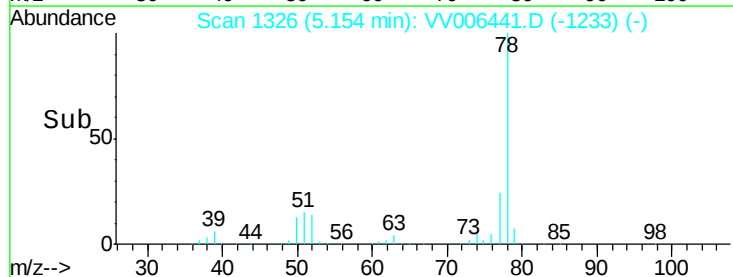
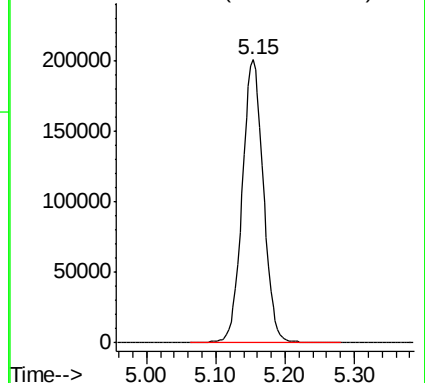
Lab File: VV006441.D

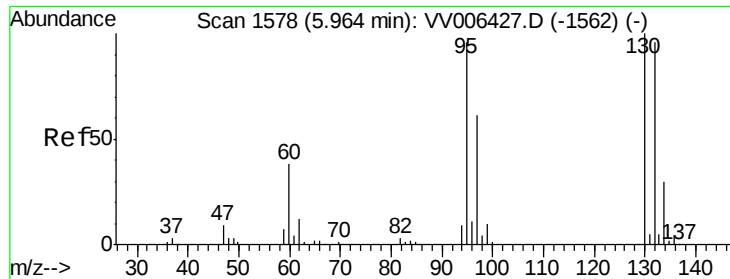
Acq: 25 Jun 2018 20:43

Tgt Ion: 78 Resp: 427668



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.751 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

Tgt Ion: 95 Resp: 121013

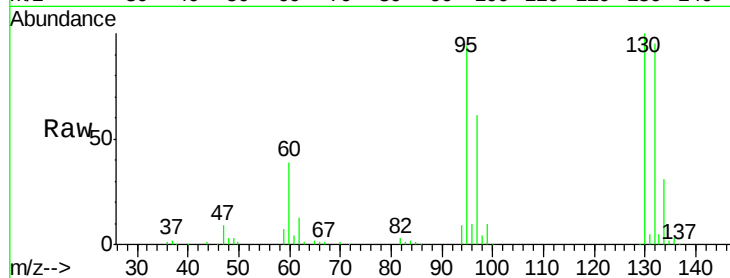
Ion Ratio Lower Upper

95 100

97 64.9 44.6 82.8

132 101.1 70.1 130.1

130 106.4 73.3 136.1

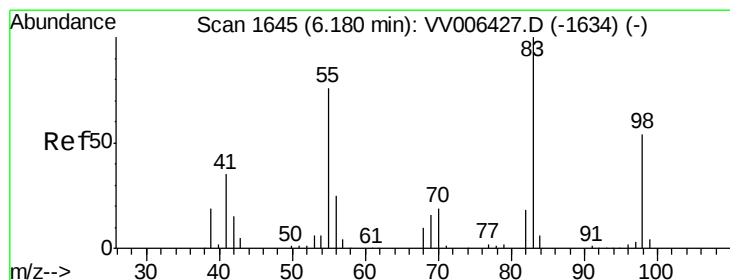
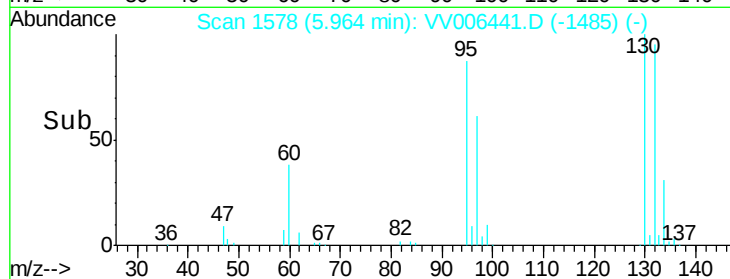
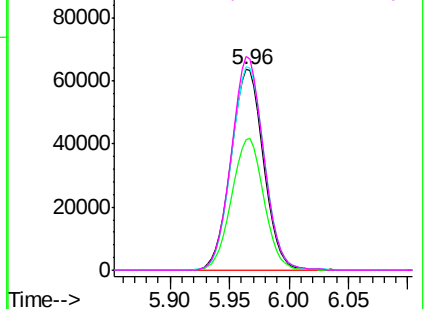


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.911 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

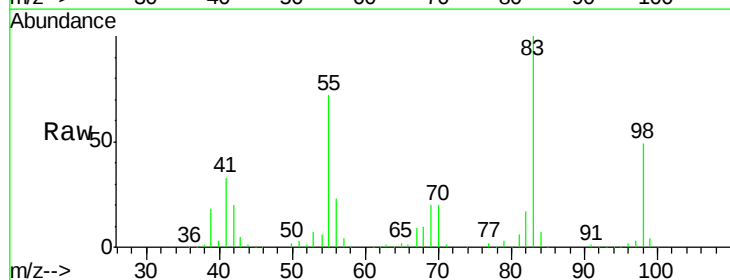
Tgt Ion: 83 Resp: 181888

Ion Ratio Lower Upper

83 100

55 71.0 57.5 86.3

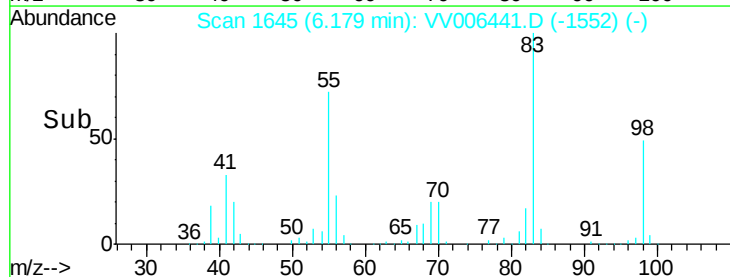
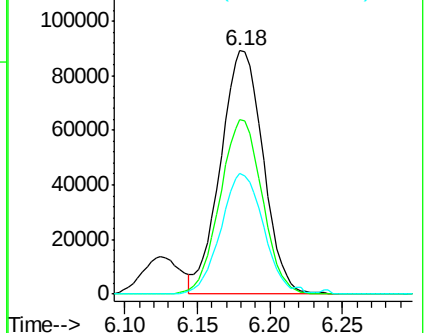
98 49.8 39.6 59.4

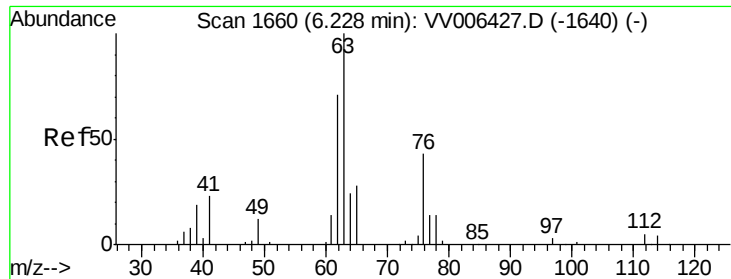


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

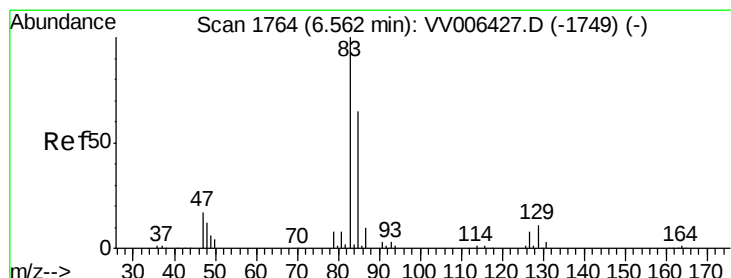
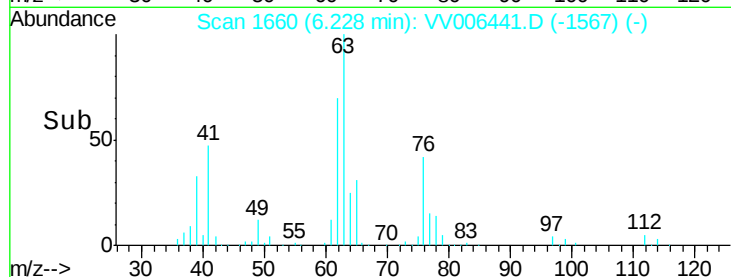
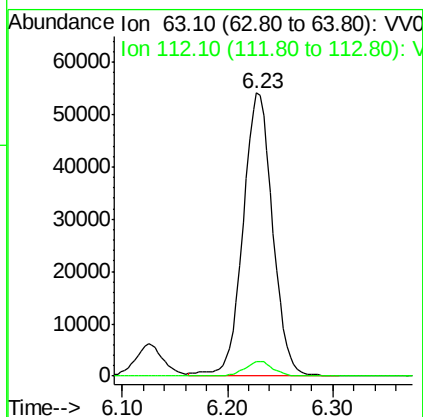
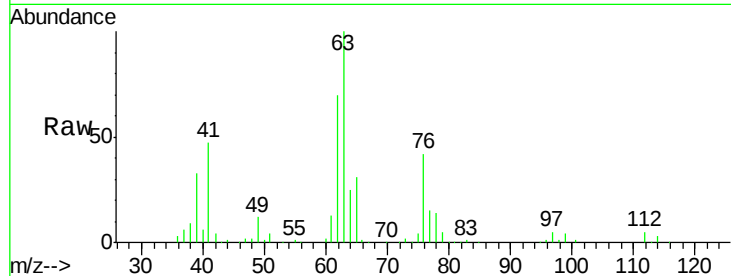




#37
 1,2-Dichloropropane
 Concen: 4.861 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

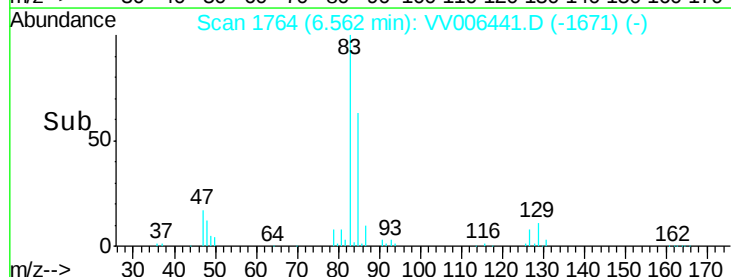
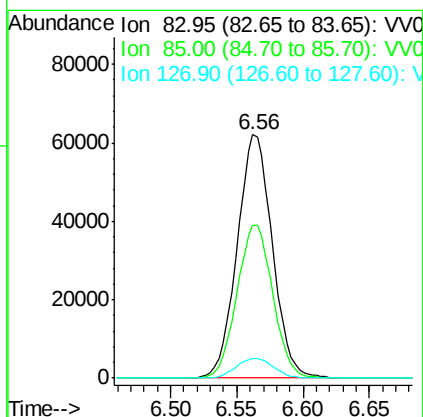
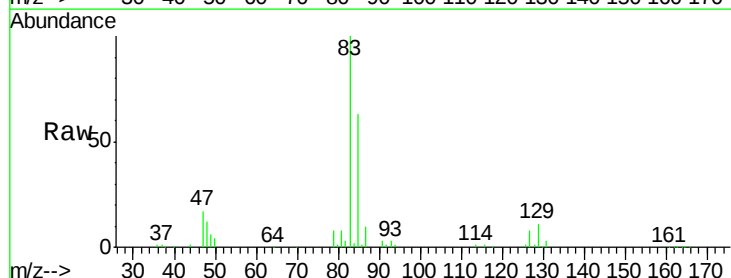
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

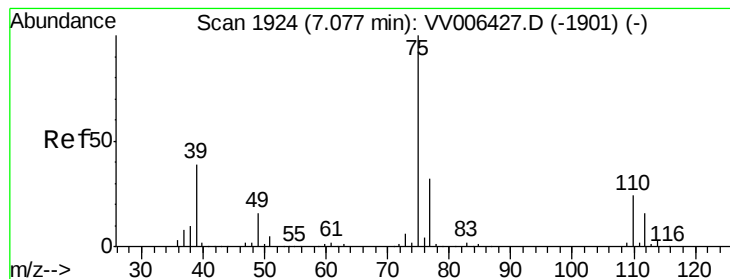
Tgt Ion: 63 Resp: 105757
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.571 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion: 83 Resp: 114472
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.1 83.9
 127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.635 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

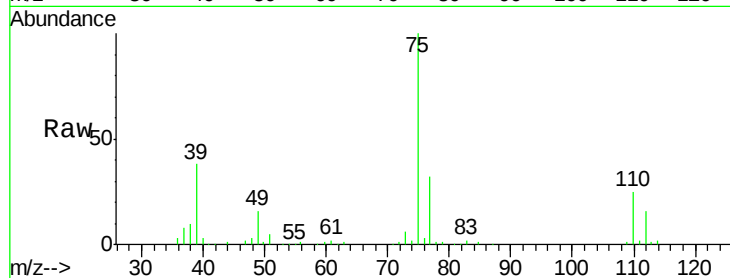
VSTD00586

Tgt Ion: 75 Resp: 140342

Ion Ratio Lower Upper

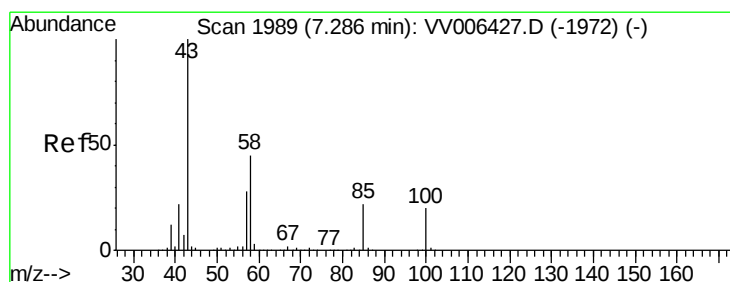
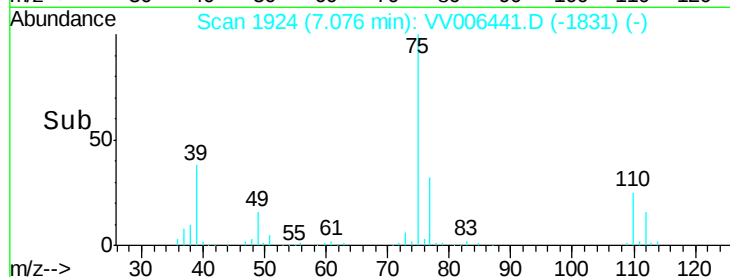
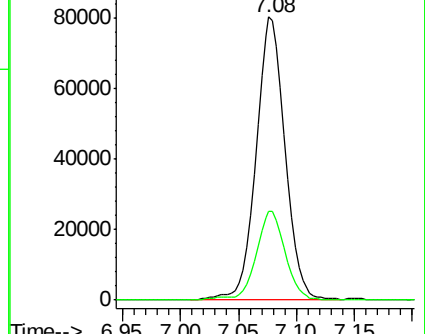
75 100

77 31.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.945 ug/L

RT: 7.29 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

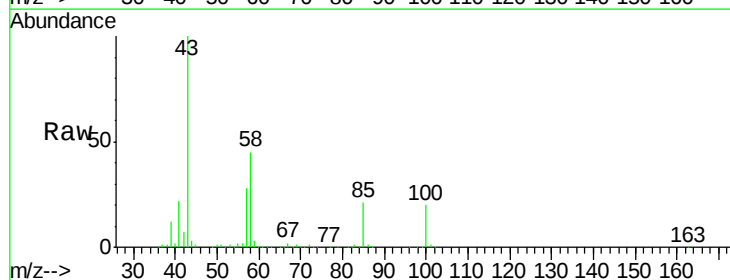
Tgt Ion: 43 Resp: 518181

Ion Ratio Lower Upper

43 100

58 44.3 35.4 53.2

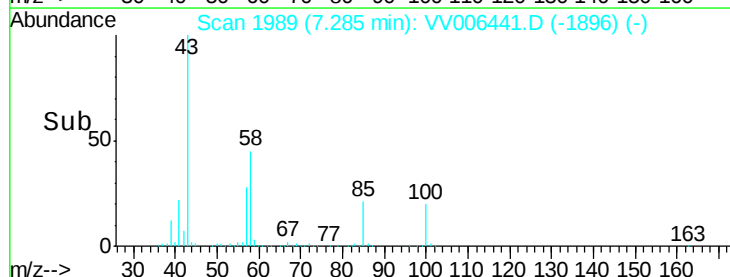
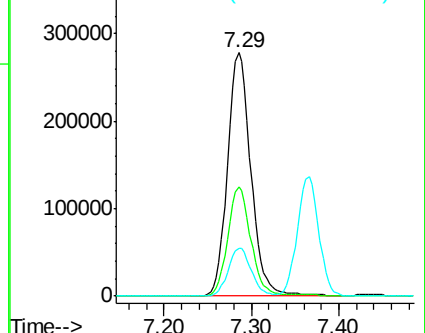
100 19.4 15.5 23.3

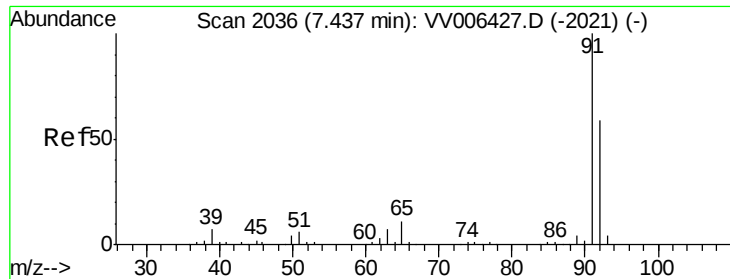


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.846 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

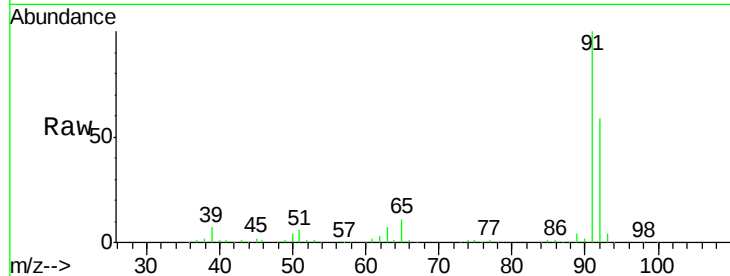
VSTD00586

Tgt Ion: 91 Resp: 456925

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

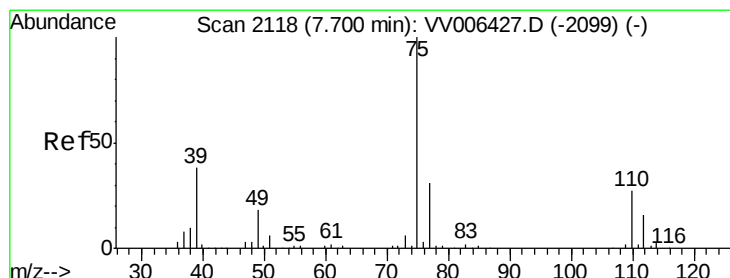
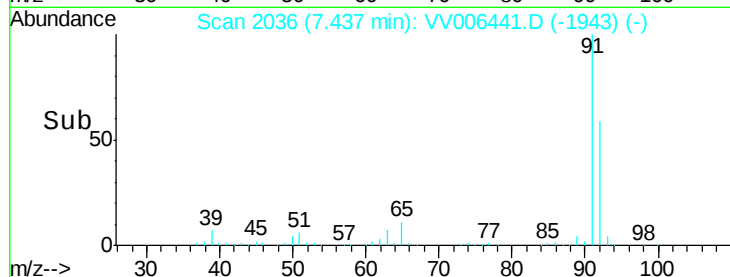
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.572 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006441.D

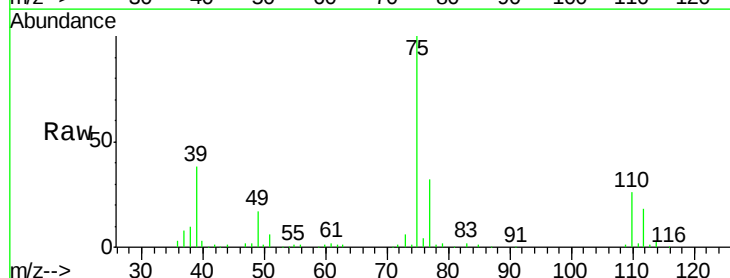
Acq: 25 Jun 2018 20:43

Tgt Ion: 75 Resp: 108571

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

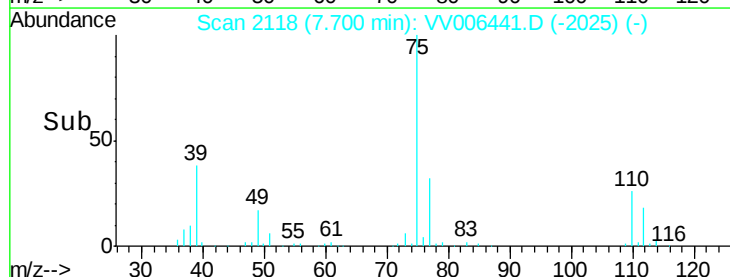
60000

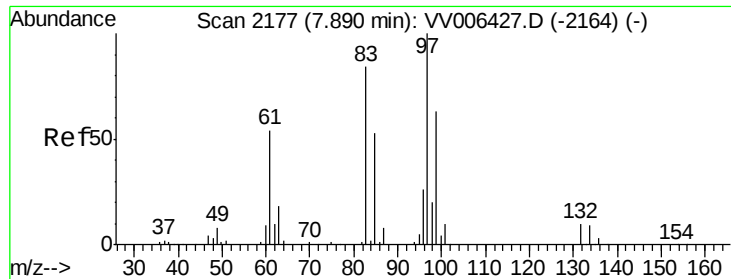
40000

20000

0

Time-->

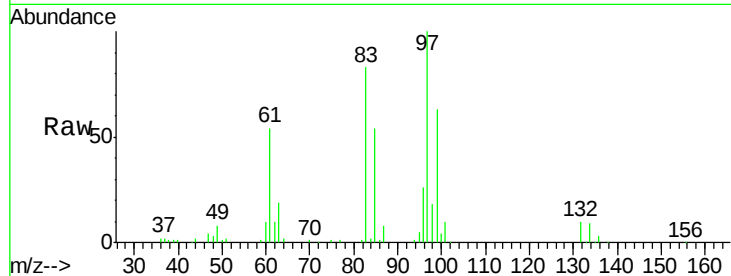




#45
 1,1,2-Trichloroethane
 Concen: 4.996 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

Tgt Ion:	97	Resp:	75079
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.2
83	83.1	59.0	109.6
85	54.2	36.8	68.3

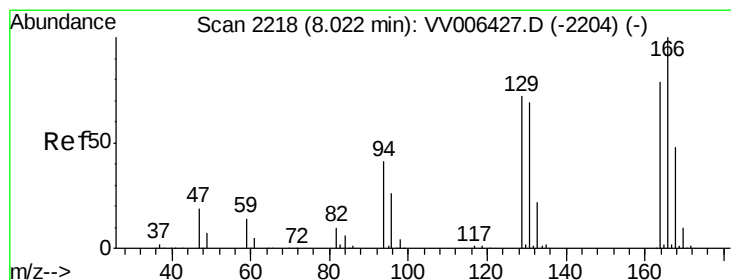
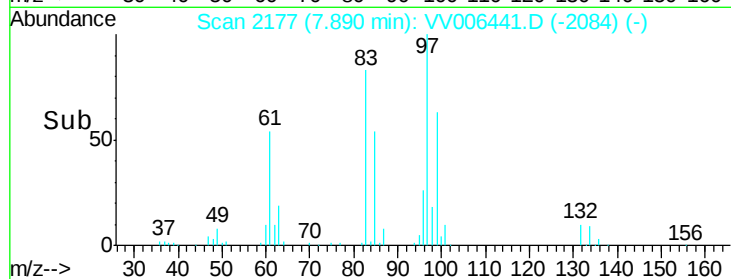
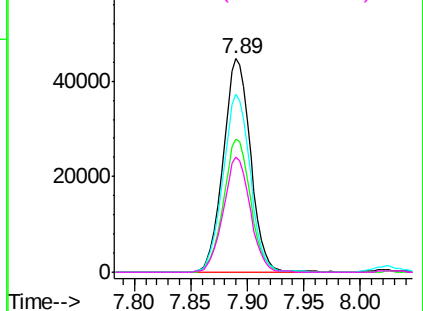


Abundance Ion 96.95 (96.65 to 97.65): VV006441.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006441.D (-2084) (-)

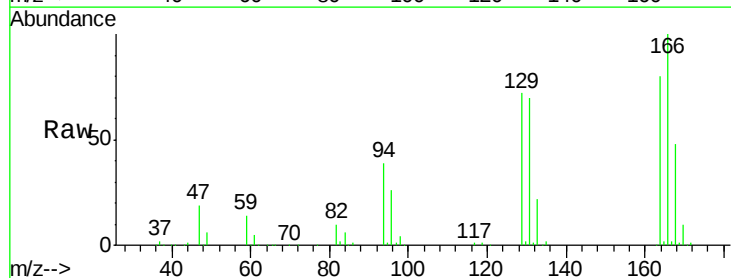
Ion 82.95 (82.65 to 83.65): VV006441.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006441.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.845 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion:	164	Resp:	93221
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.0	118.8
131	87.6	61.7	114.5
166	125.4	89.0	165.2

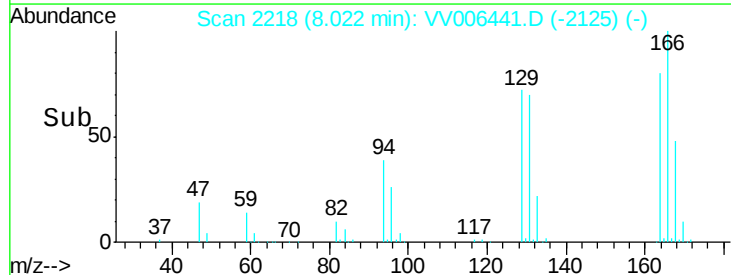
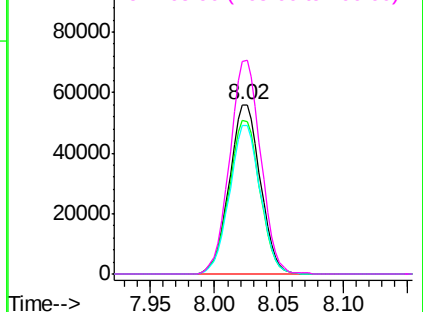


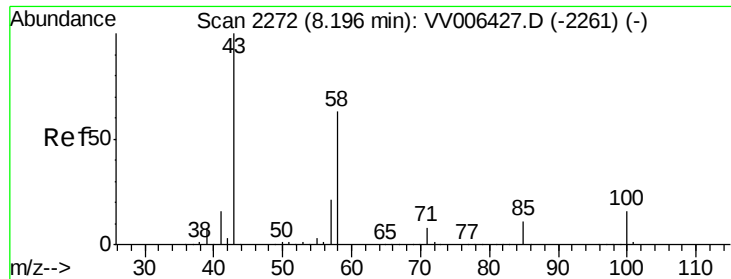
Abundance Ion 163.90 (163.60 to 164.60): VV006441.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006441.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006441.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006441.D (-2125) (-)

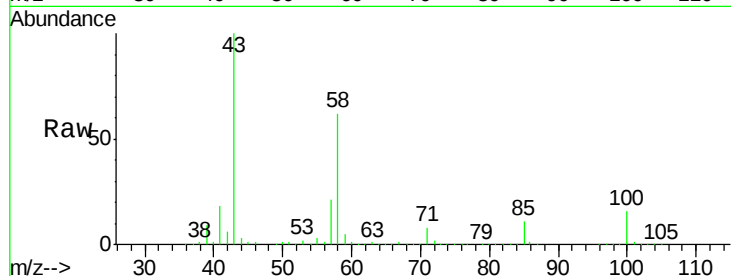




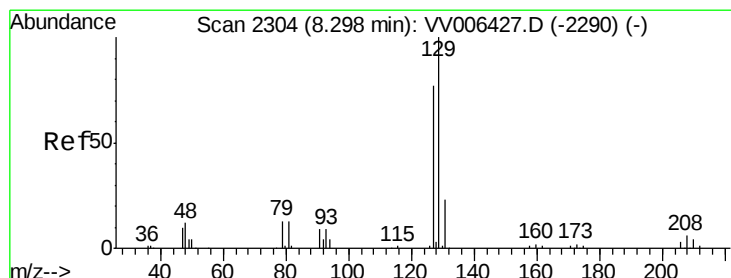
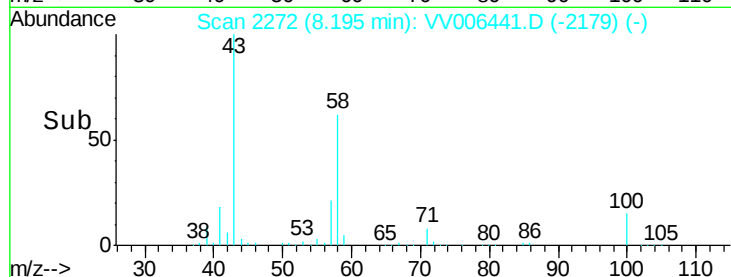
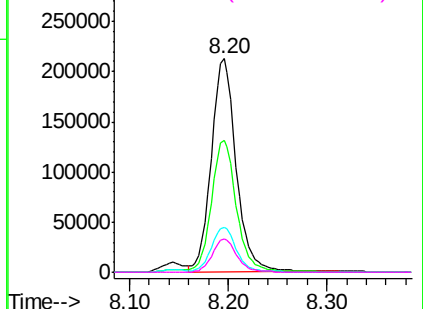
#48
2-Hexanone
Concen: 49.169 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00586

Tgt Ion: 43 Resp: 374499
Ion Ratio Lower Upper
43 100
58 62.6 49.9 74.9
57 21.6 17.3 25.9
100 15.6 12.5 18.7

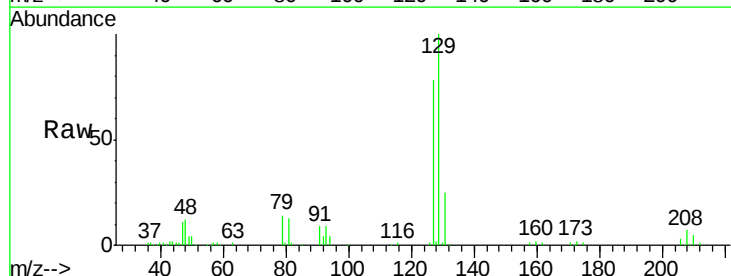


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

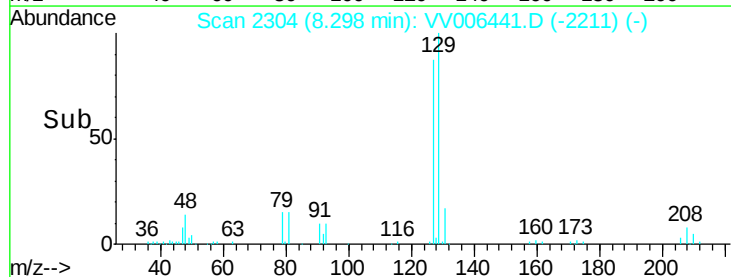
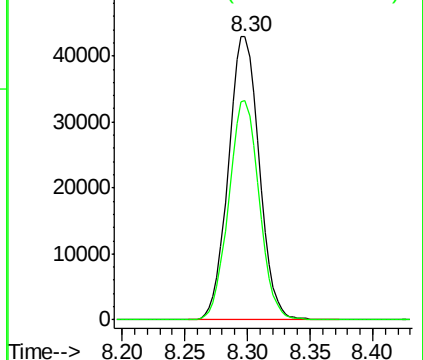


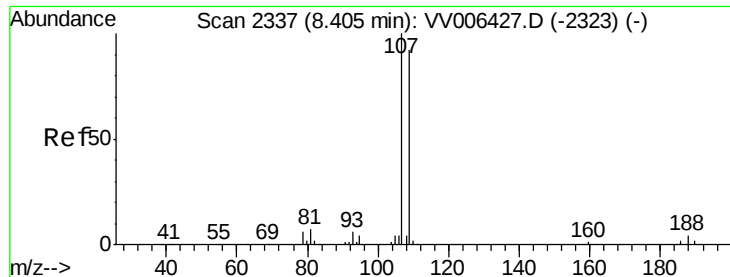
#49
Dibromochloromethane
Concen: 4.589 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Tgt Ion: 129 Resp: 73515
Ion Ratio Lower Upper
129 100
127 77.7 54.0 100.2



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

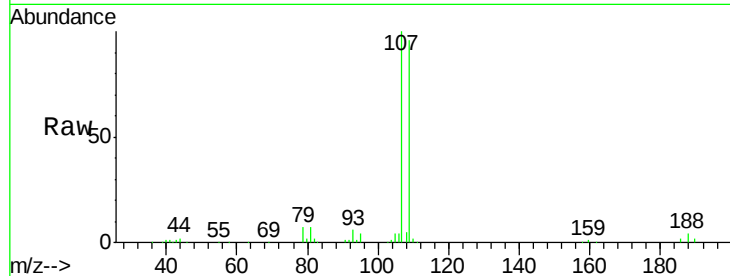




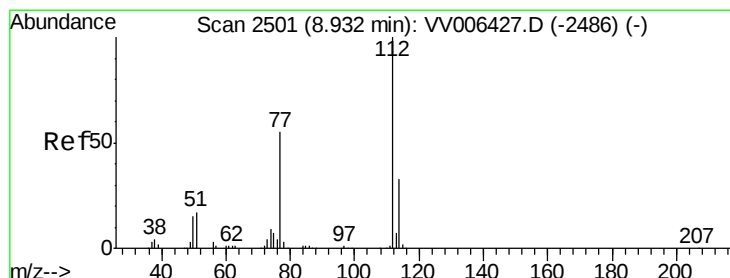
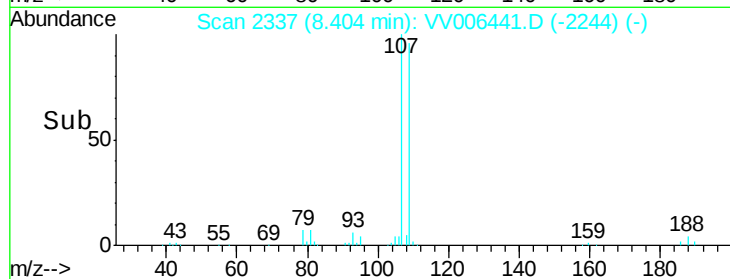
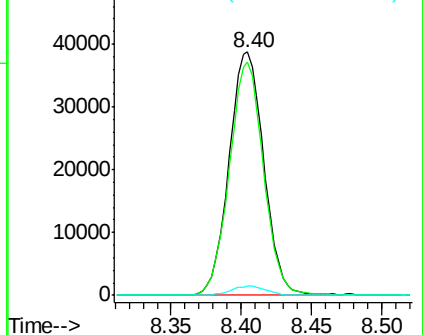
#50
1,2-Dibromoethane
Concen: 4.955 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00586

Tgt Ion:107 Resp: 66939
Ion Ratio Lower Upper
107 100
109 96.0 64.3 119.5
188 3.9 3.0 4.6

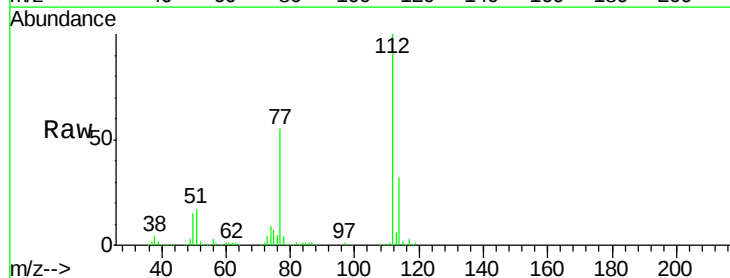


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

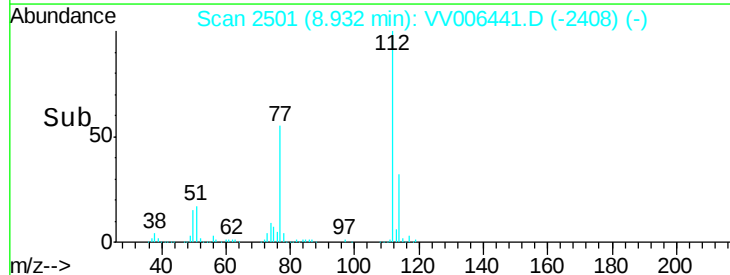
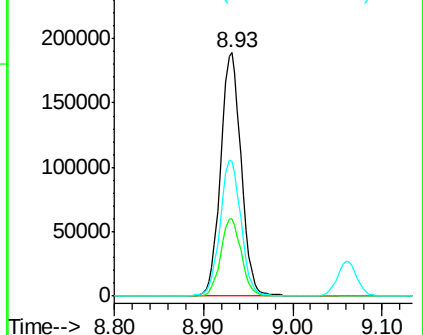


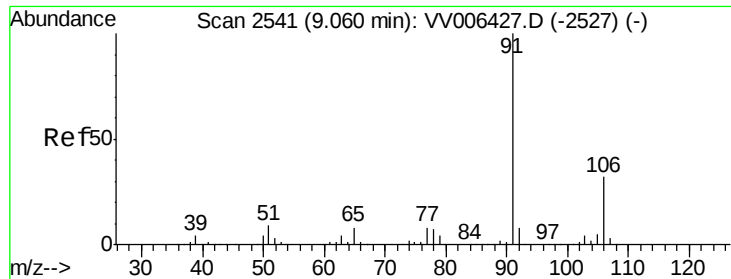
#51
Chlorobenzene
Concen: 4.850 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Tgt Ion:112 Resp: 302604
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 55.5 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.871 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

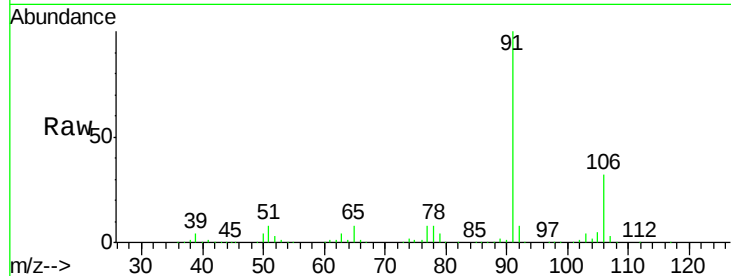
VSTD00586

Tgt Ion: 91 Resp: 497246

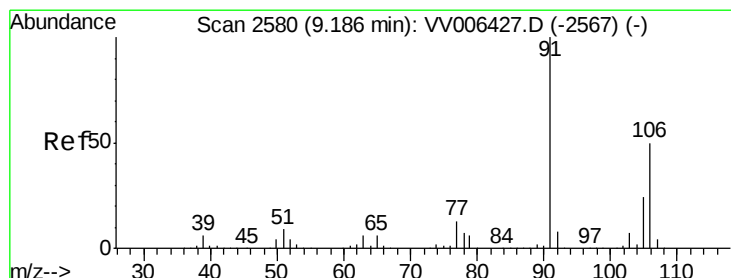
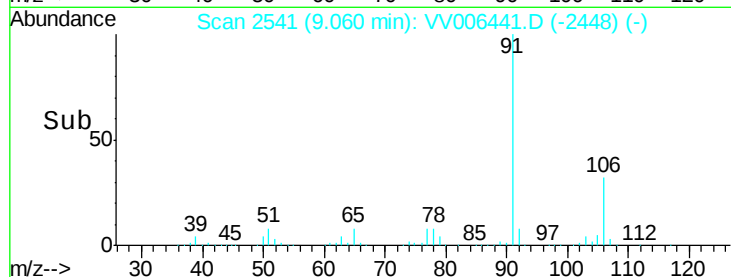
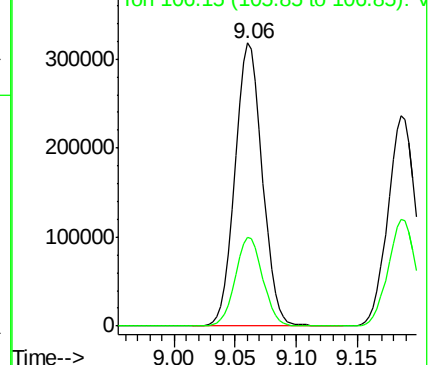
Ion Ratio Lower Upper

91 100

106 31.6 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006441.D (-2448) (-)



#53

m,p-xylene

Concen: 4.904 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006441.D

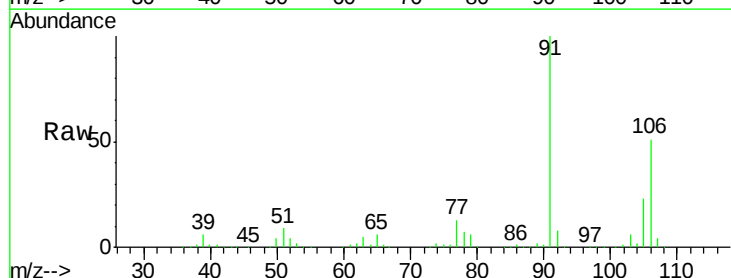
Acq: 25 Jun 2018 20:43

Tgt Ion: 106 Resp: 193052

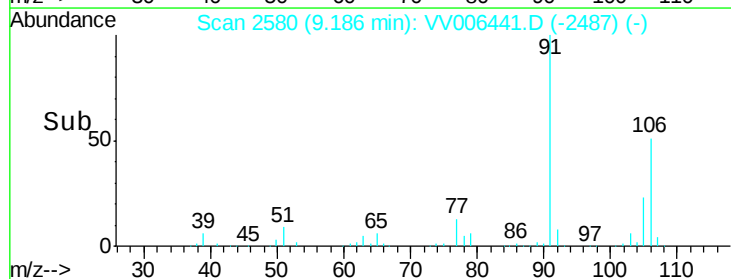
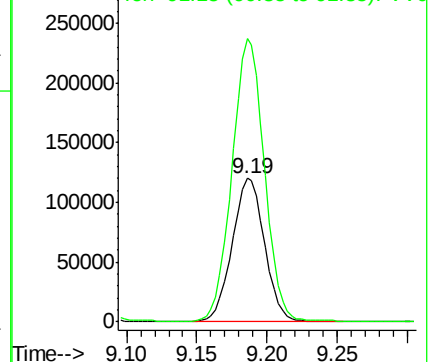
Ion Ratio Lower Upper

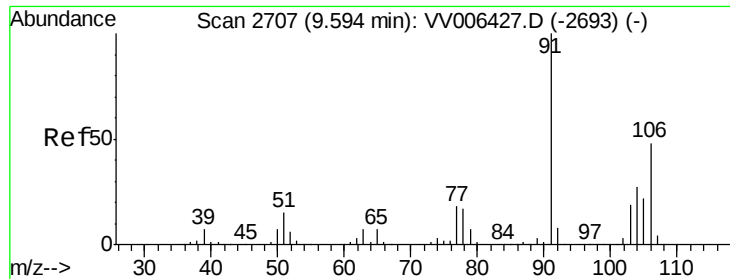
106 100

91 197.1 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006441.D (-2487) (-)

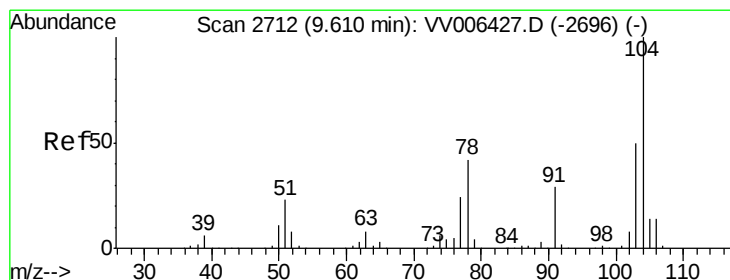
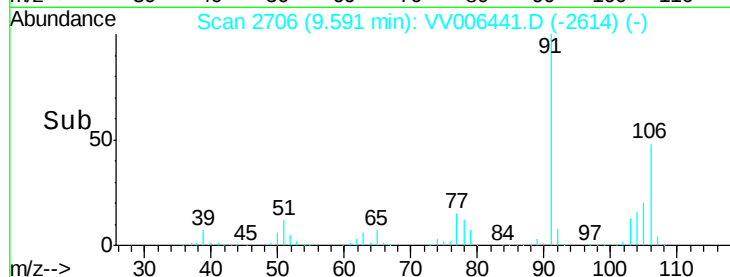
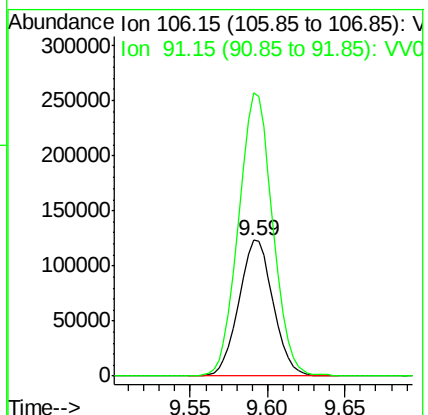
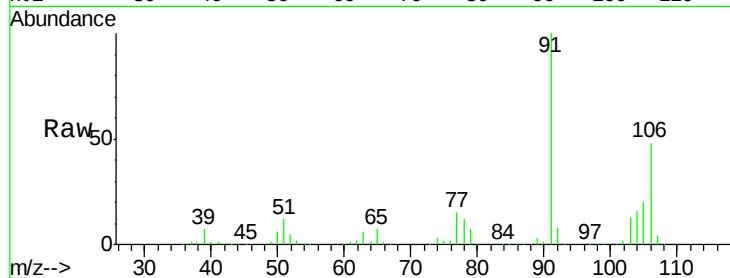




#54
o-xylene
Concen: 4.936 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

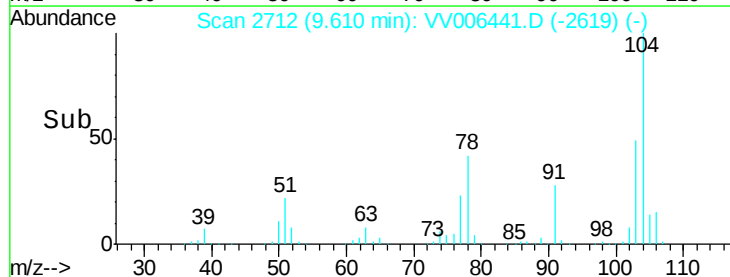
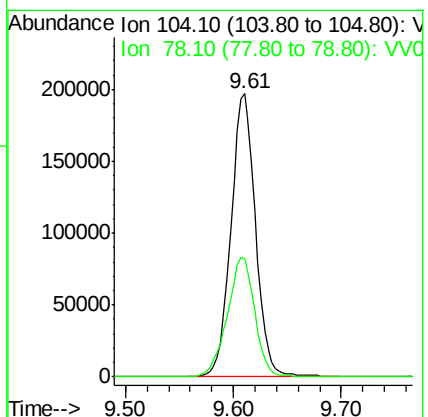
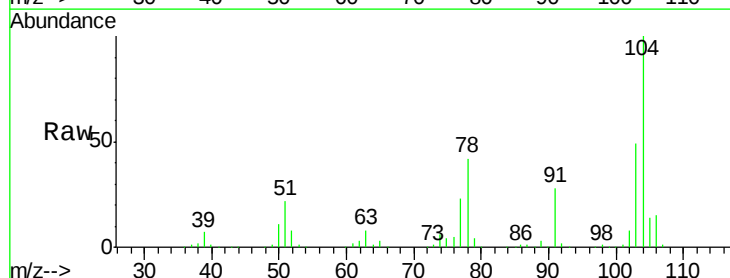
Instrument :
MSVOA_V
ClientSampleId :
VSTD00586

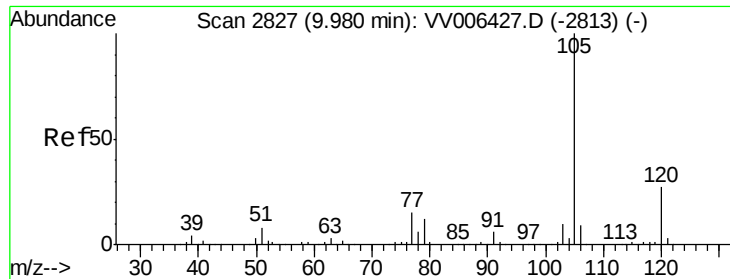
Tgt Ion:106 Resp: 190607
Ion Ratio Lower Upper
106 100
91 208.7 145.7 270.7



#55
Styrene
Concen: 4.973 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV006441.D
Acq: 25 Jun 2018 20:43

Tgt Ion:104 Resp: 314246
Ion Ratio Lower Upper
104 100
78 41.6 29.1 54.1





#56

Isopropylbenzene

Concen: 4.939 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

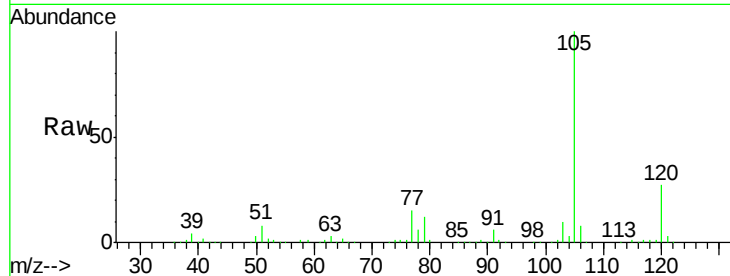
Tgt Ion: 105 Resp: 497007

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

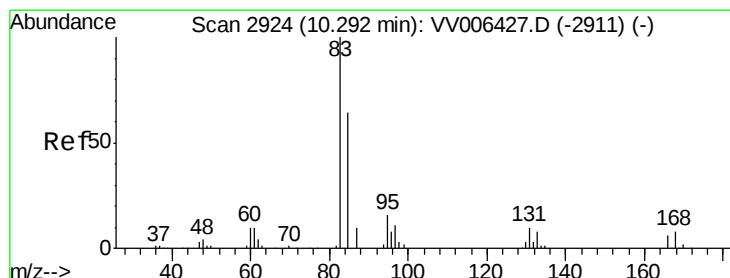
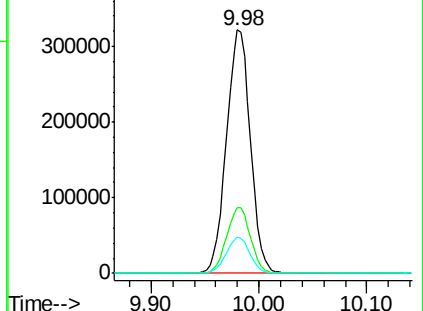
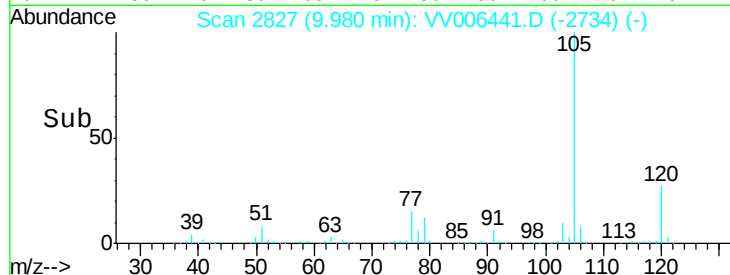
77 14.7 11.8 17.8



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: 4.937 ug/L

RT: 10.29 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

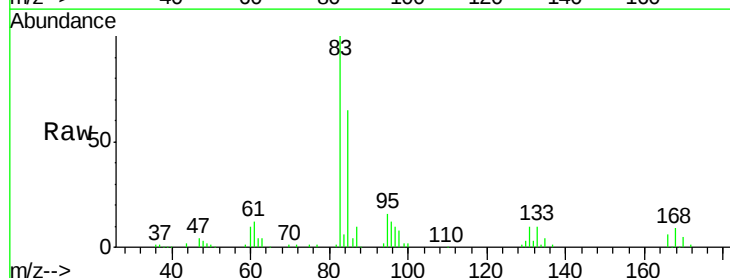
Tgt Ion: 83 Resp: 69963

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

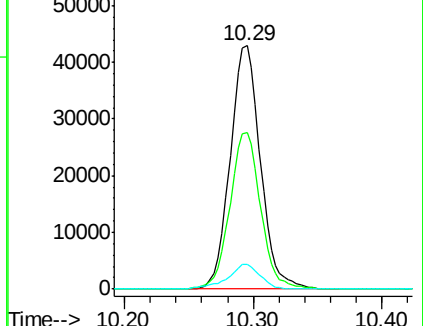
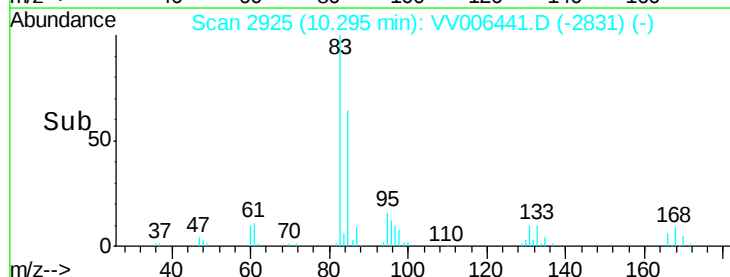
131 10.3 7.9 11.9

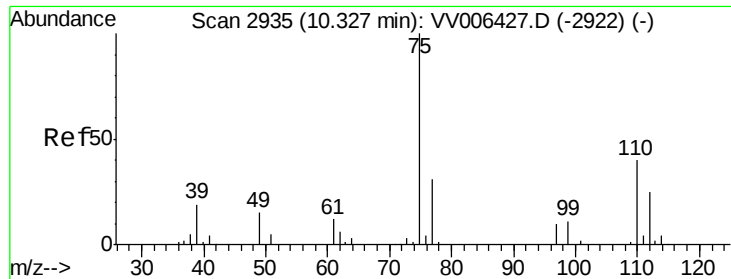


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

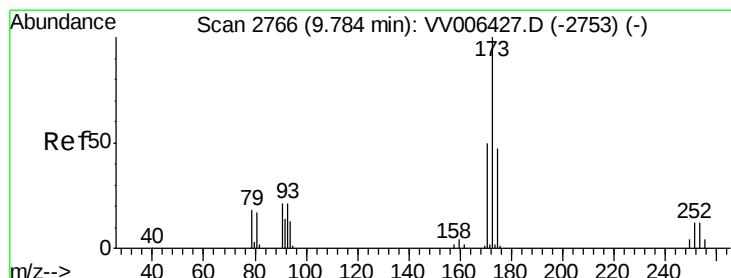
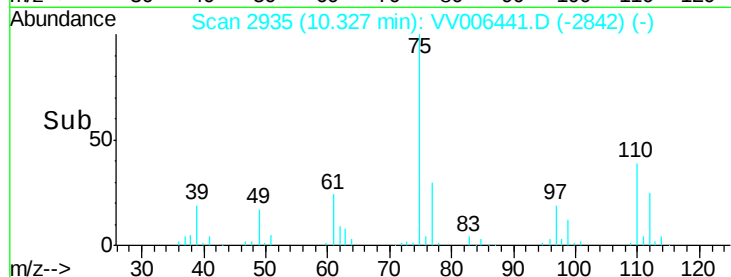
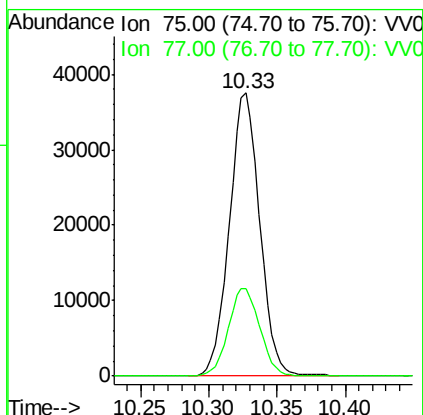
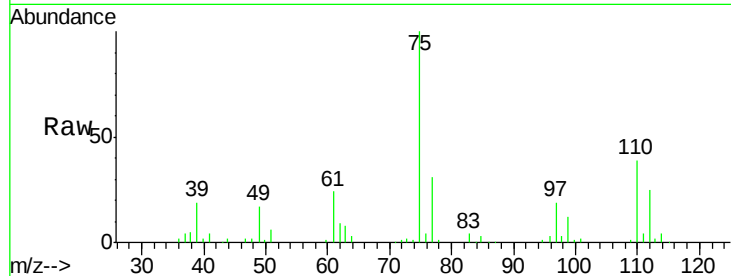




#59
 1,2,3-Trichloropropane
 Concen: 4.914 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

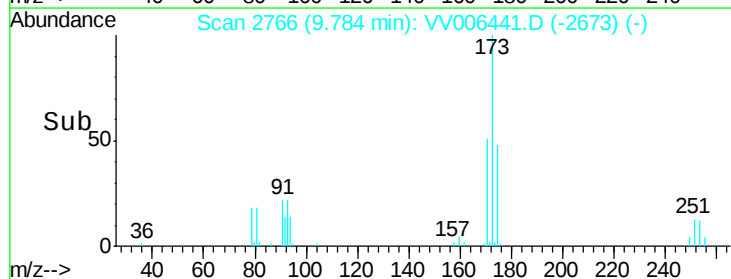
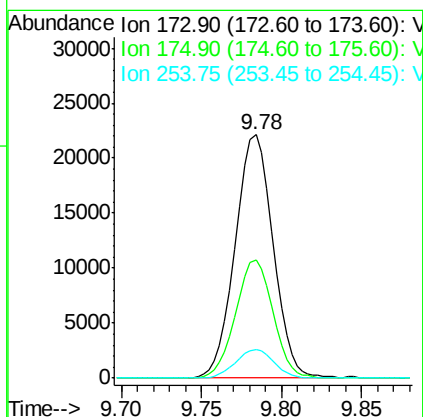
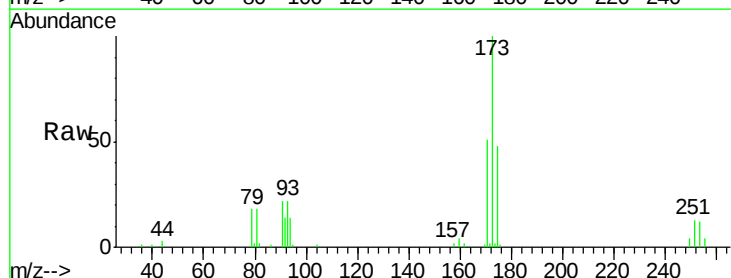
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

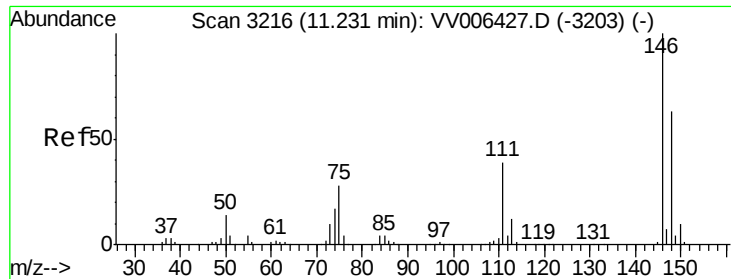
Tgt Ion: 75 Resp: 58157
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 4.366 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion: 173 Resp: 35756
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.8 58.2
 254 11.7 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 4.757 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

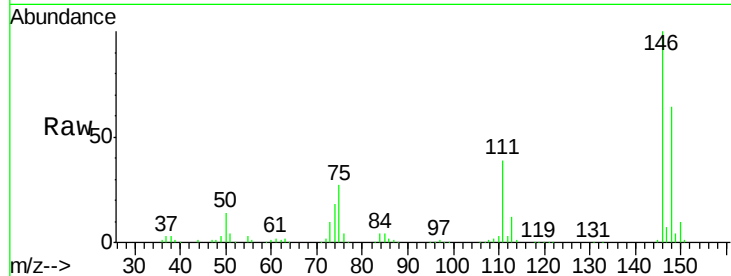
Tgt Ion:146 Resp: 228648

Ion Ratio Lower Upper

146 100

111 39.1 27.4 51.0

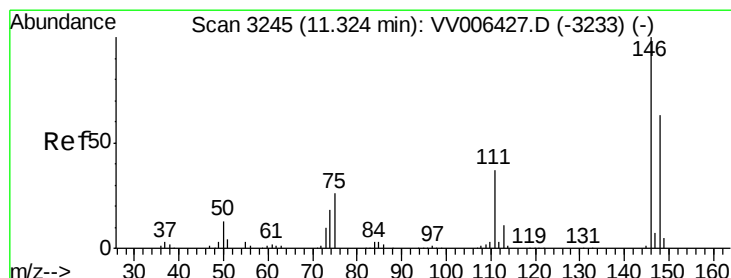
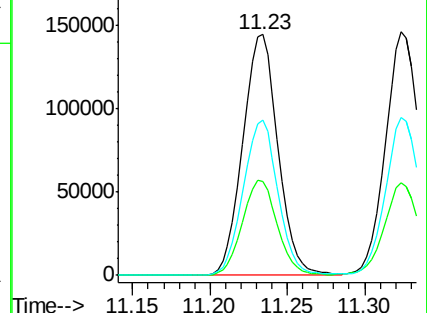
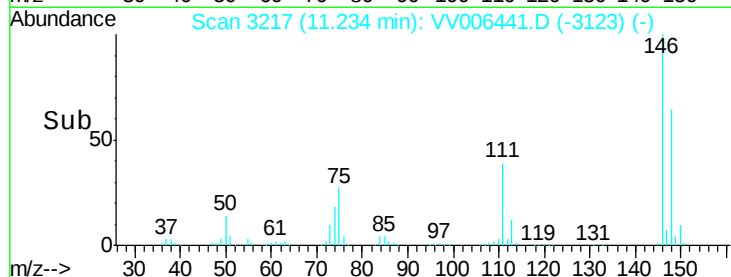
148 64.3 44.1 81.9



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: 4.753 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

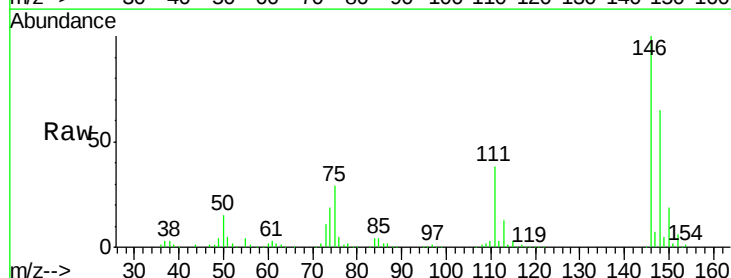
Tgt Ion:146 Resp: 228521

Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

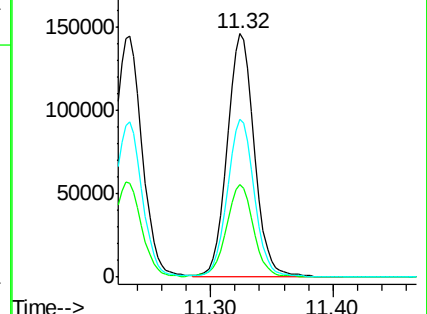
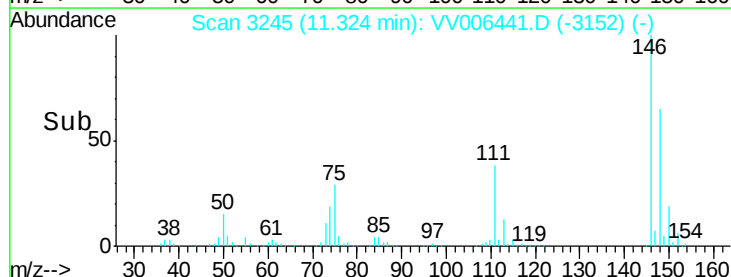
148 64.6 44.0 81.6

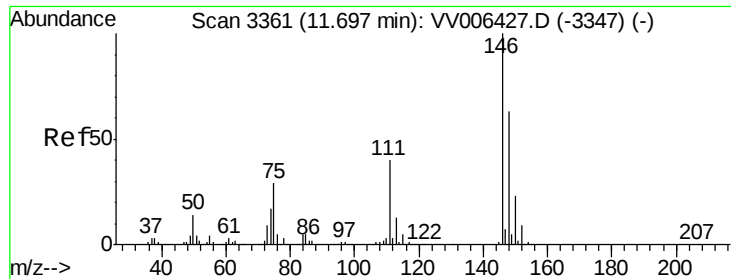


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.863 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

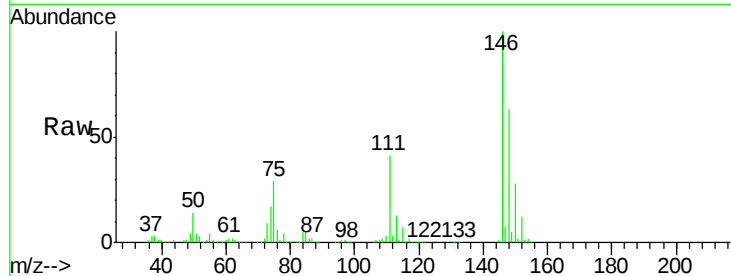
Tgt Ion:146 Resp: 218756

Ion Ratio Lower Upper

146 100

111 41.1 32.0 48.0

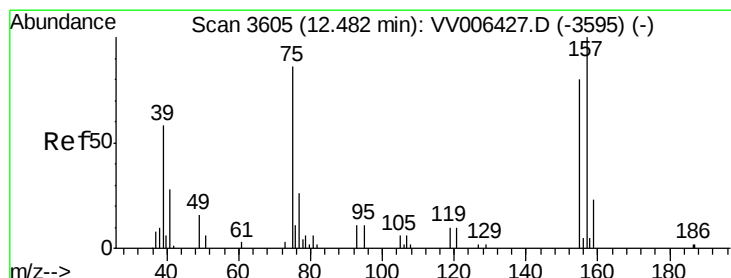
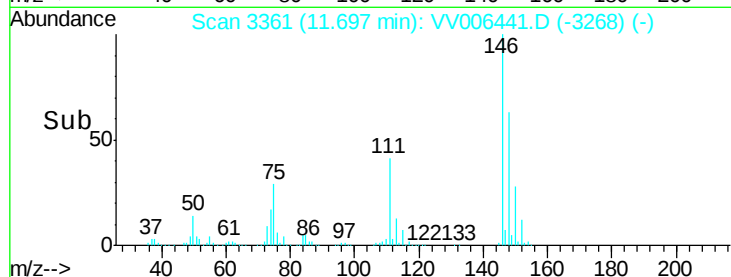
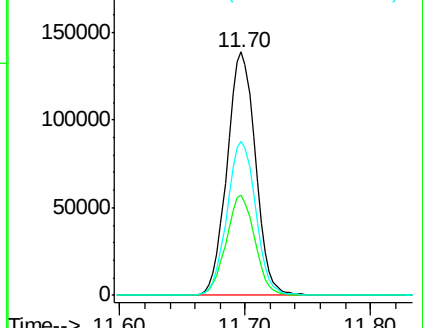
148 63.5 50.8 76.2



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: 4.413 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

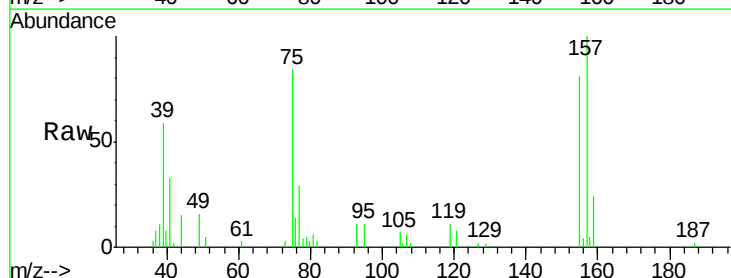
Tgt Ion: 75 Resp: 8435

Ion Ratio Lower Upper

75 100

155 96.7 73.9 110.9

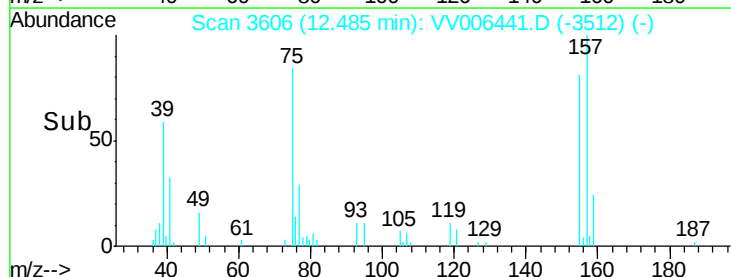
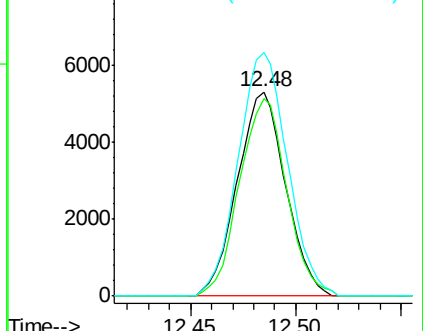
157 119.2 92.9 139.3

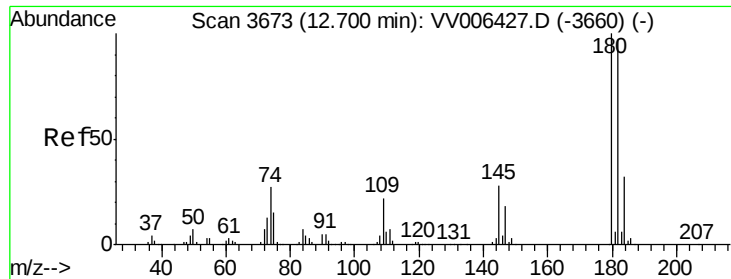


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

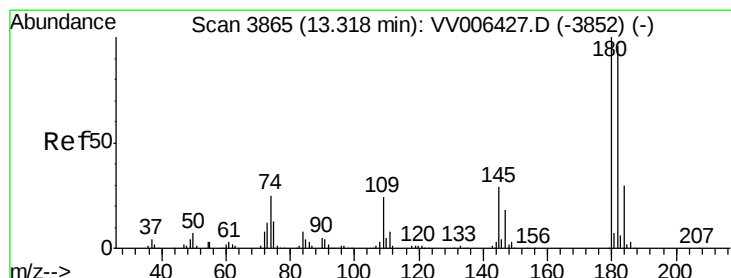
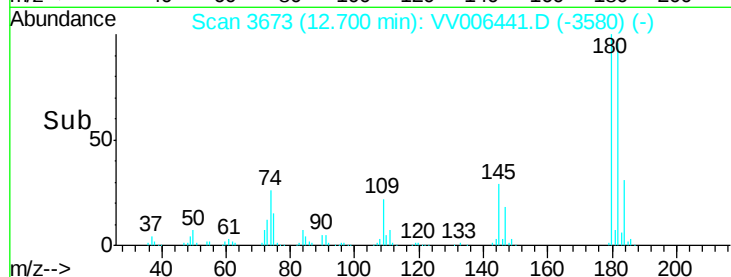
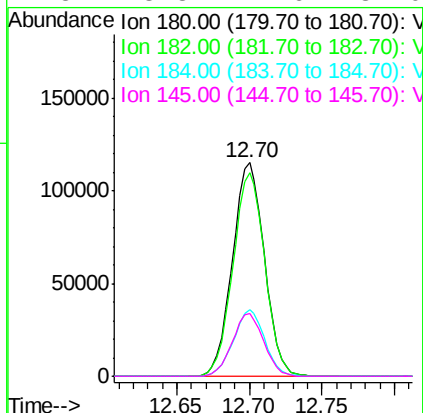
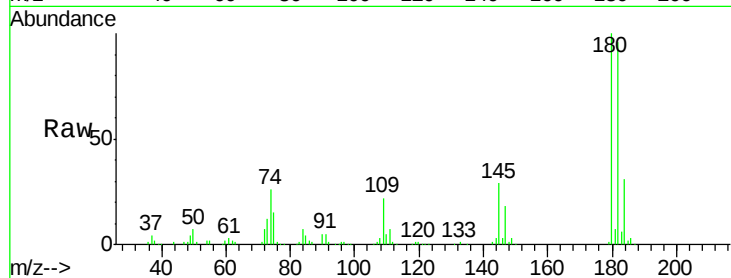




#67
 1,3,5-Trichlorobenzene
 Concen: 4.798 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

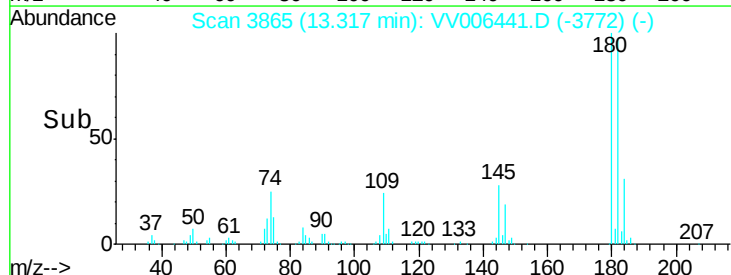
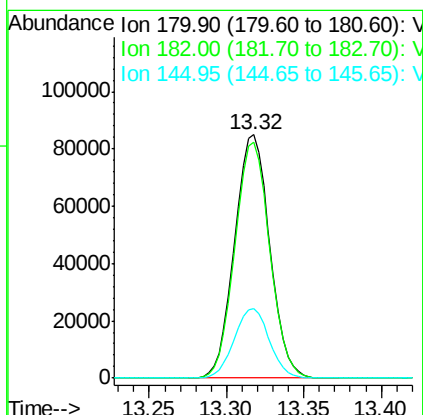
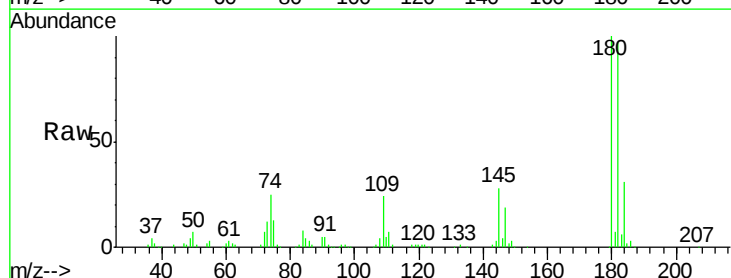
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00586

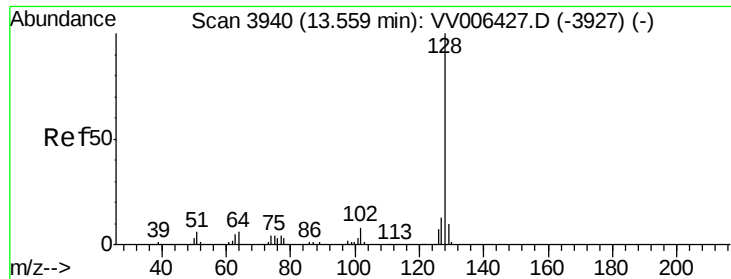
Tgt Ion:	180	Resp:	175231
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
184	30.6	24.5	36.7
145	28.8	22.6	34.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.995 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006441.D
 Acq: 25 Jun 2018 20:43

Tgt Ion:	180	Resp:	133766
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.7	115.1
145	28.5	23.0	34.6





#69

Naphthalene

Concen: 5.036 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00586

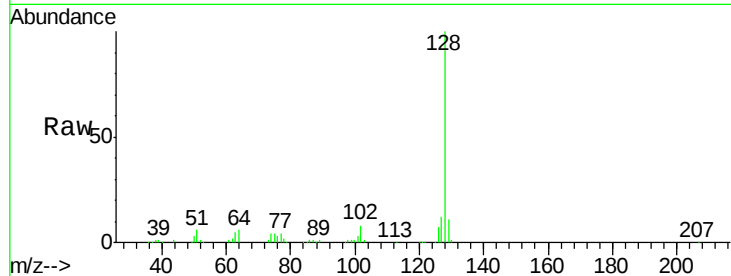
Tgt Ion:128 Resp: 197150

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

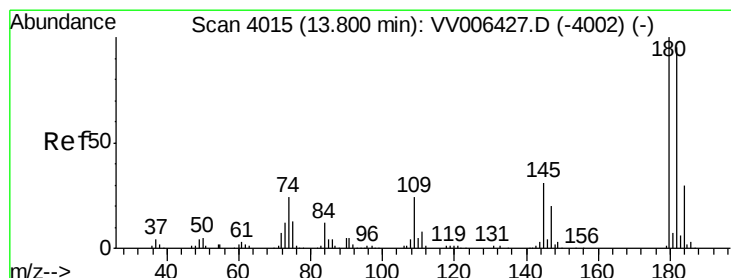
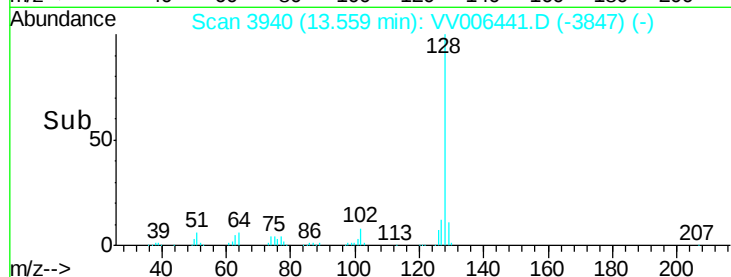
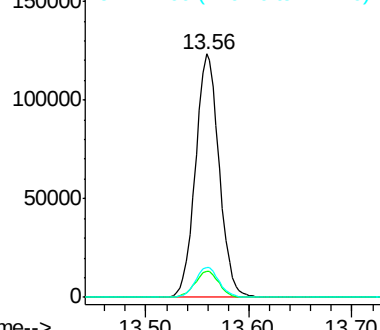
127 12.3 10.2 15.4



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: 4.994 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006441.D

Acq: 25 Jun 2018 20:43

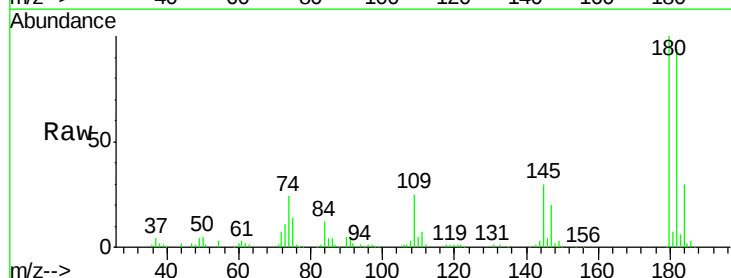
Tgt Ion:180 Resp: 124500

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 30.3 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

