

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
 Data File : VV006583.D
 Acq On : 12 Jul 2018 10:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Jul 13 01:44:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 11 03:34:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	338975	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	313478	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	154361	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70940	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.58	69	67445	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.13	63	145664	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	3.94	46	234327	50.06	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.12%
24) Chloroform-d	4.40	84	166517	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.09	65	77610	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	321487	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.12	67	105614	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	294493	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.67	79	36644	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.14	63	224338	56.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.94%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	86810	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	124142	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	131274	4.938	ug/L 99
3) Chloromethane	1.26	50	139041	4.276	ug/L 100
5) Vinyl chloride	1.32	62	140636	4.660	ug/L 99
6) Bromomethane	1.52	94	68632	4.907	ug/L 100
8) Chloroethane	1.59	64	83864	4.578	ug/L 99
9) Trichlorofluoromethane	1.77	101	166463	4.902	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109239	5.207	ug/L 99
12) 1,1-Dichloroethene	2.14	96	100210	4.721	ug/L 86
13) Acetone	2.19	43	131797	44.517	ug/L 98
14) Carbon disulfide	2.32	76	291907	4.599	ug/L 99
15) Methyl Acetate	2.46	43	38511	4.419	ug/L 98
16) Methylene chloride	2.54	84	115529	4.828	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	236803	4.710	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	109415	4.725	ug/L 96
19) 1,1-Dichloroethane	3.23	63	188469	4.690	ug/L 100
21) 2-Butanone	4.03	43	225281	46.377	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	117612	4.728	ug/L 98

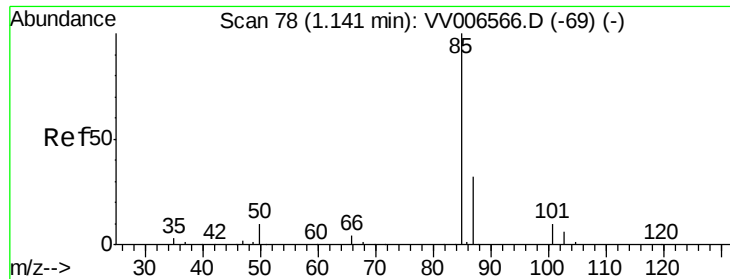
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071218\
 Data File : VV006583.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 11 03:34:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48245	4.735	ug/L	99
25) Chloroform	4.43	83	187226	4.684	ug/L	98
27) 1,2-Dichloroethane	5.19	62	102482	4.515	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	158720	4.833	ug/L	99
30) Cyclohexane	4.73	56	172544	4.937	ug/L	99
31) Carbon tetrachloride	4.88	117	133648	4.864	ug/L	98
33) Benzene	5.15	78	443863	4.744	ug/L	100
34) Trichloroethene	5.96	95	114380	4.766	ug/L	97
35) Methylcyclohexane	6.18	83	197962	5.123	ug/L	99
37) 1,2-Dichloropropane	6.22	63	105799	4.623	ug/L	98
38) Bromodichloromethane	6.56	83	119955	4.649	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	147997	4.818	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	541242	46.660	ug/L	99
42) Toluene	7.43	91	469936	4.829	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	115377	4.866	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	75863	4.738	ug/L	99
47) Tetrachloroethene	8.02	164	97877	4.960	ug/L	98
48) 2-Hexanone	8.19	43	386257	46.962	ug/L	99
49) Dibromochloromethane	8.30	129	77563	4.645	ug/L	96
50) 1,2-Dibromoethane	8.40	107	68104	4.672	ug/L	98
51) Chlorobenzene	8.93	112	306246	4.810	ug/L	99
52) Ethylbenzene	9.06	91	512421	4.956	ug/L	100
53) m,p-xylene	9.19	106	200638	5.037	ug/L	100
54) o-xylene	9.59	106	193499	4.962	ug/L	99
55) Styrene	9.61	104	326134	4.974	ug/L	99
56) Isopropylbenzene	9.98	105	509645	5.096	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	86252	4.565	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63298	4.649	ug/L	99
61) Bromoform	9.78	173	40982	4.635	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	235421	4.835	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	238455	4.818	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	224908	4.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11579	4.607	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	191760	4.972	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	151236	4.928	ug/L	99
69) Naphthalene	13.56	128	239419	4.595	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	141352	4.913	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.938 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

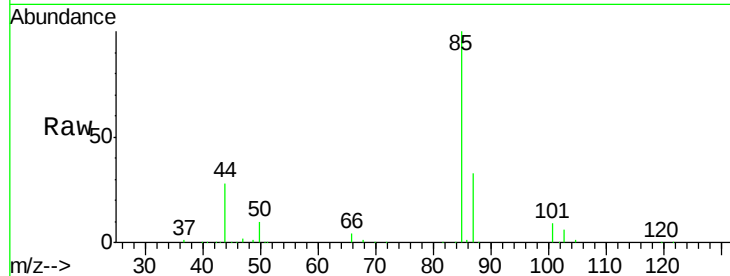
VSTD00571

Tgt Ion: 85 Resp: 131274

Ion Ratio Lower Upper

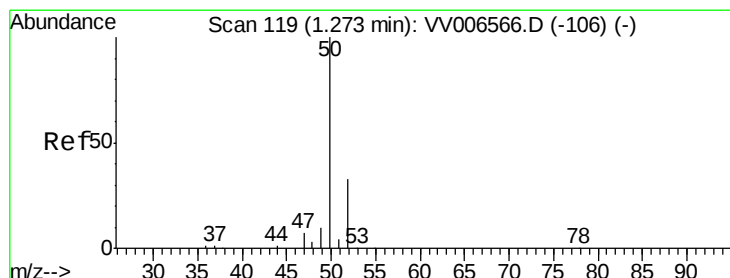
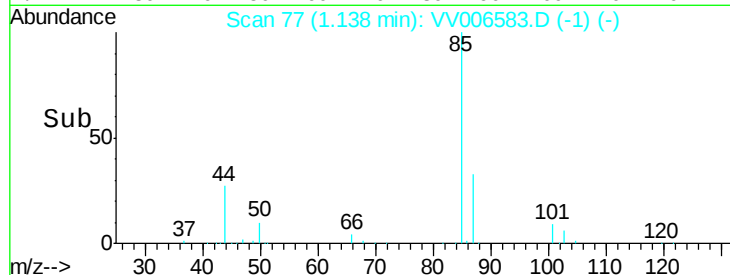
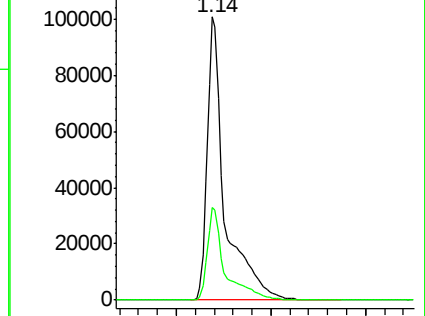
85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.276 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.02 min

Lab File: VV006583.D

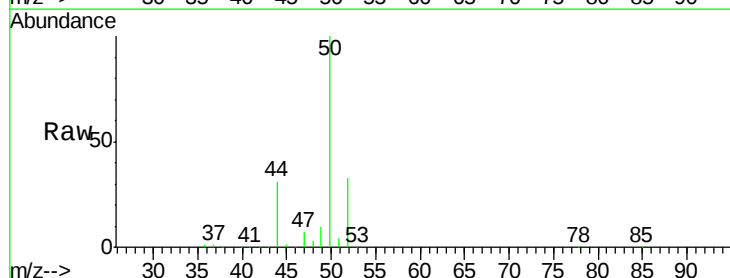
Acq: 12 Jul 2018 10:36

Tgt Ion: 50 Resp: 139041

Ion Ratio Lower Upper

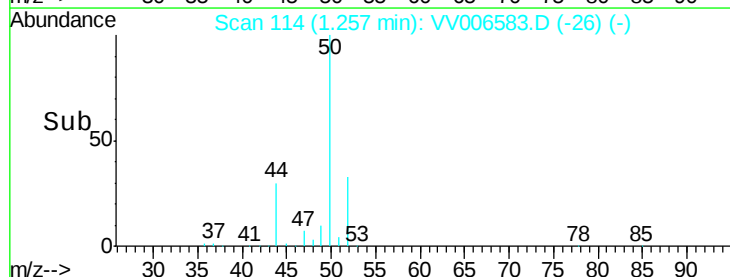
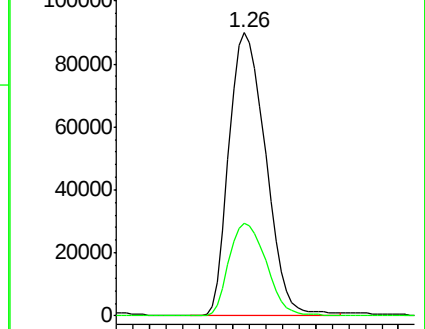
50 100

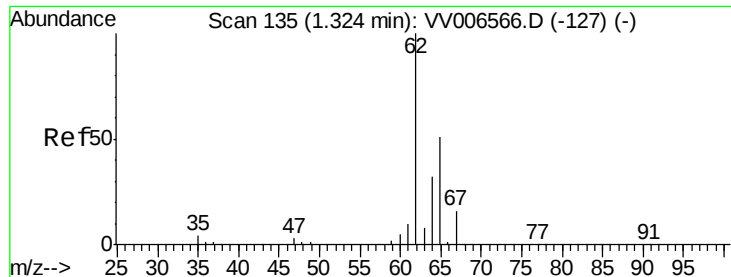
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.660 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

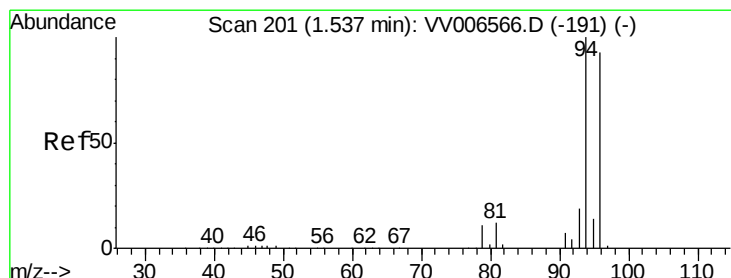
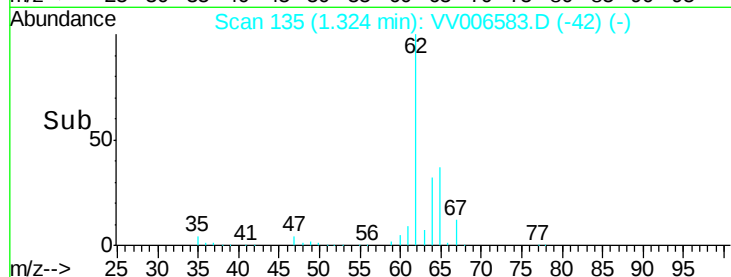
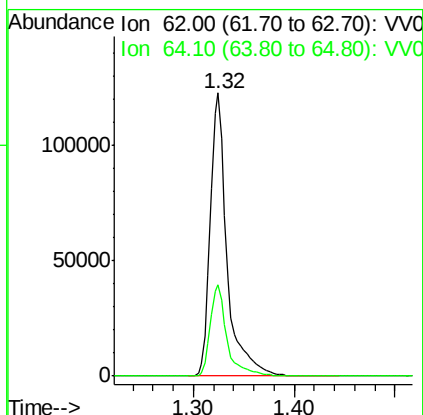
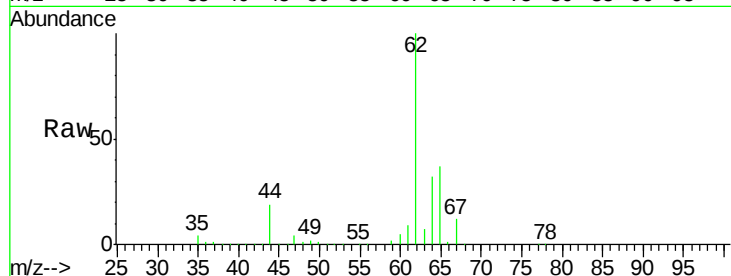
VSTD00571

Tgt Ion: 62 Resp: 140636

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 4.907 ug/L

RT: 1.52 min Scan# 197

Delta R.T. -0.01 min

Lab File: VV006583.D

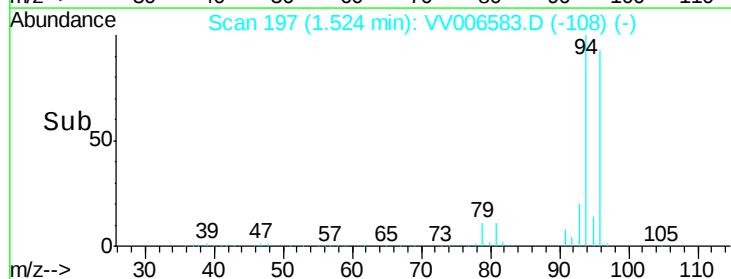
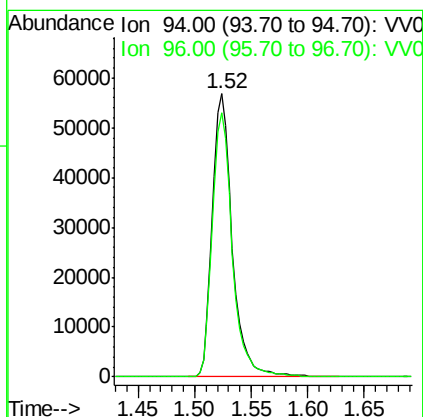
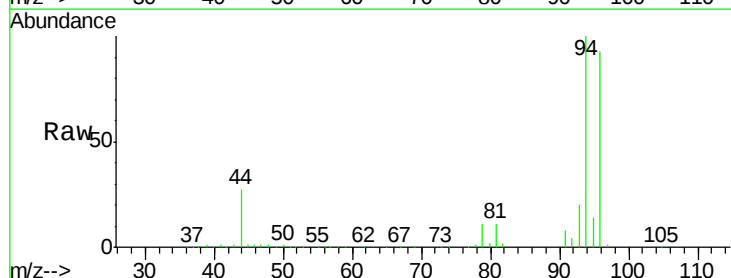
Acq: 12 Jul 2018 10:36

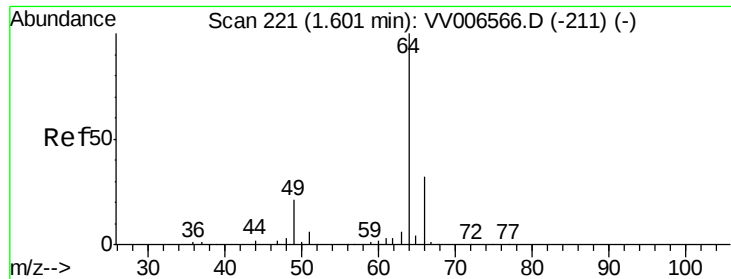
Tgt Ion: 94 Resp: 68632

Ion Ratio Lower Upper

94 100

96 93.4 65.7 122.1





#8

Chloroethane

Concen: 4.578 ug/L

RT: 1.59 min Scan# 219

Delta R.T. -0.01 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

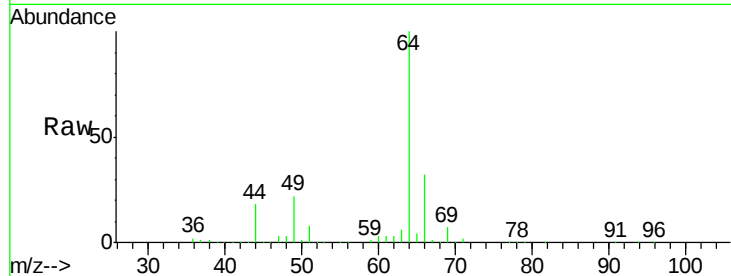
VSTD00571

Tgt Ion: 64 Resp: 83864

Ion Ratio Lower Upper

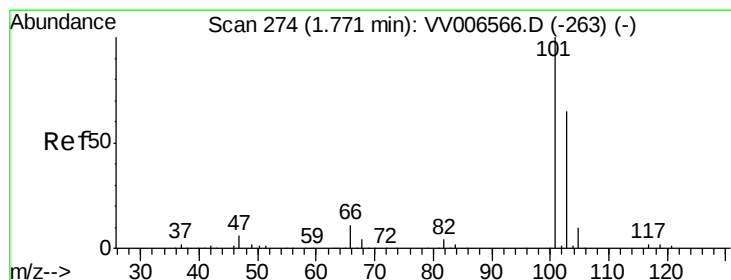
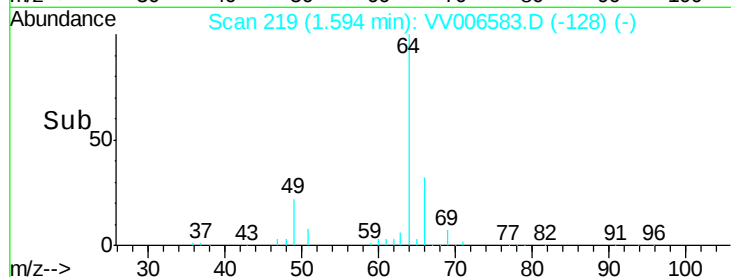
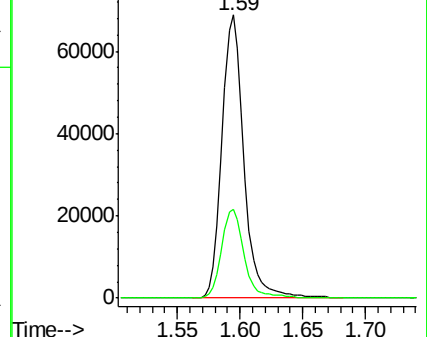
64 100

66 31.5 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006583.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006583.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 4.902 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006583.D

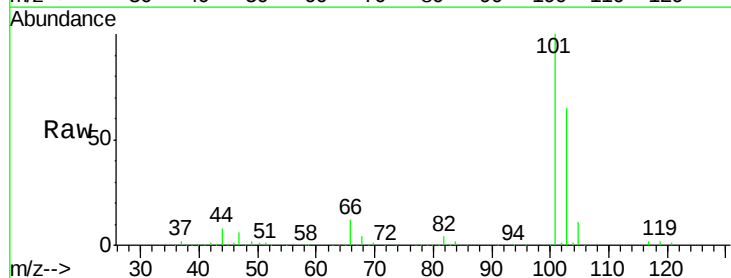
Acq: 12 Jul 2018 10:36

Tgt Ion: 101 Resp: 166463

Ion Ratio Lower Upper

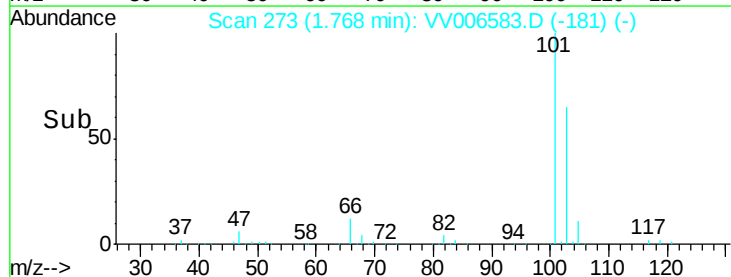
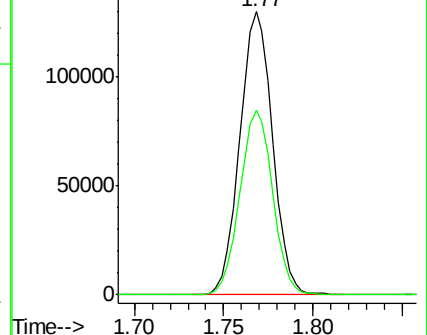
101 100

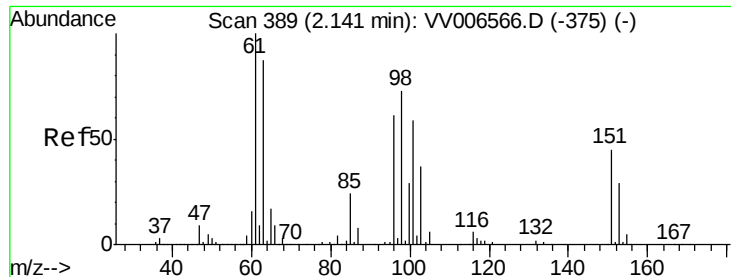
103 65.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006583.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006583.D (-181) (-)





#10

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

Concen: 5.207 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

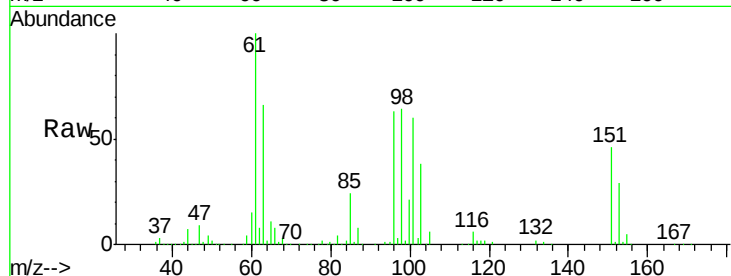
Tgt Ion: 101 Resp: 109239

Ion Ratio Lower Upper

101 100

85 40.9 33.1 49.7

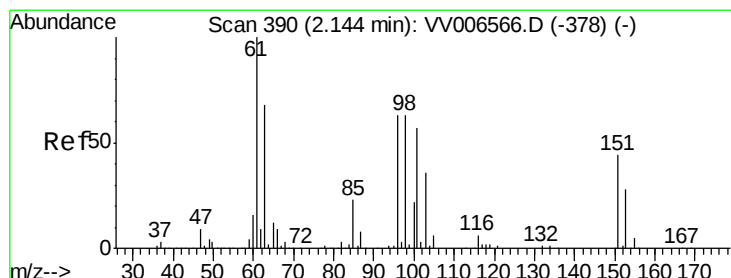
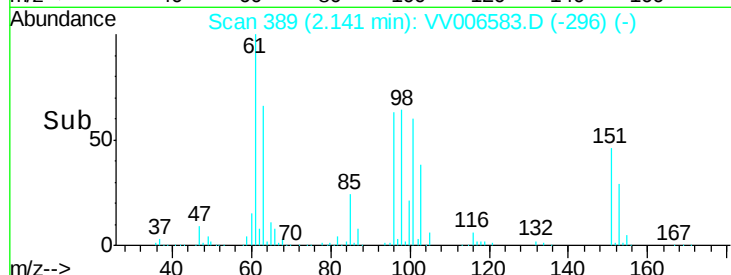
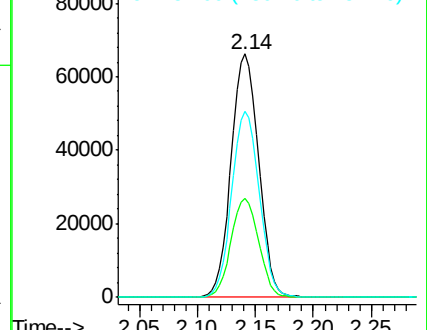
151 76.5 61.5 92.3



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: 4.721 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

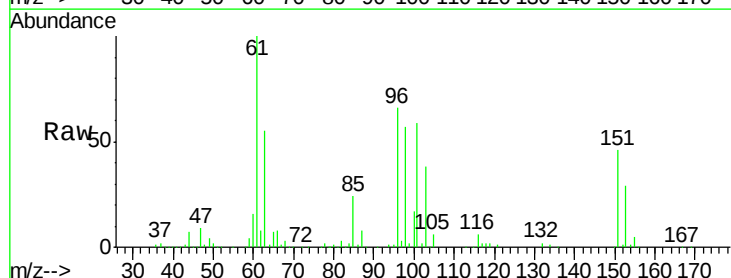
Tgt Ion: 96 Resp: 100210

Ion Ratio Lower Upper

96 100

61 151.6 110.7 205.7

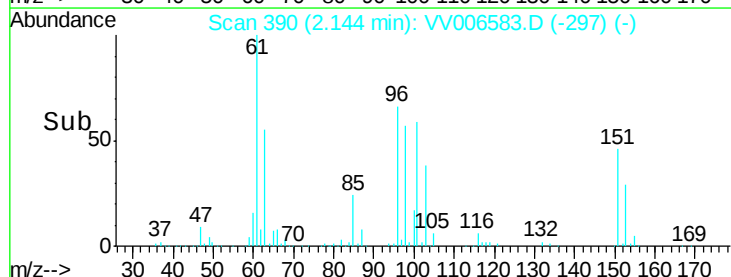
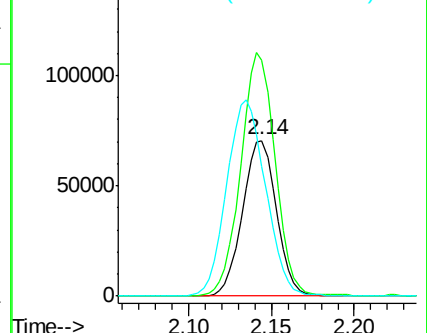
63 83.4 79.0 146.8

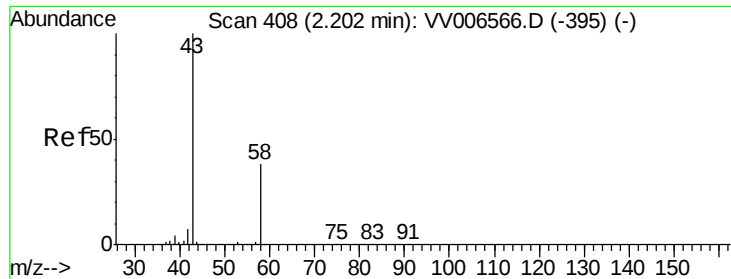


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.517 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.01 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

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ClientSampleId :

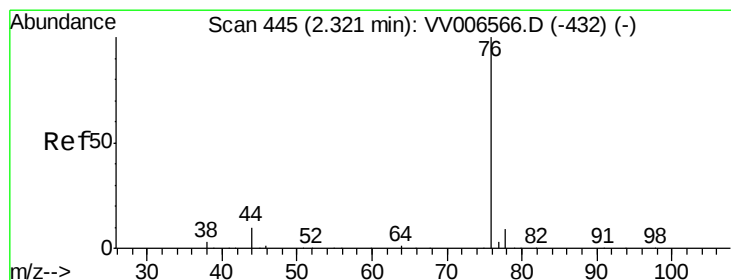
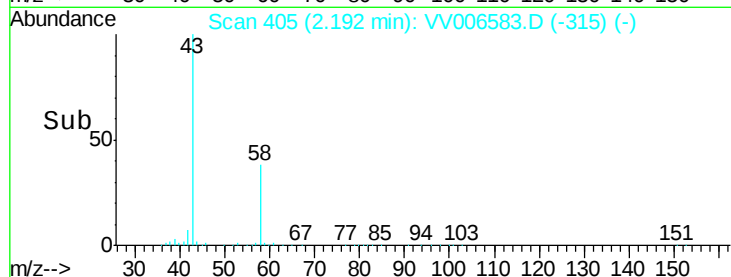
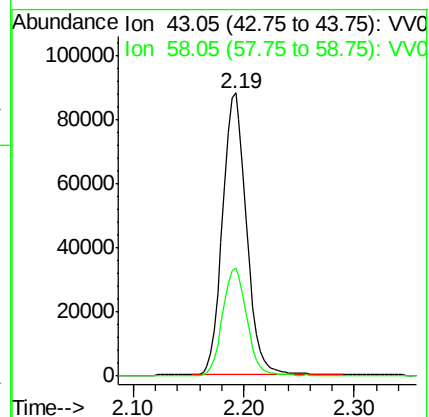
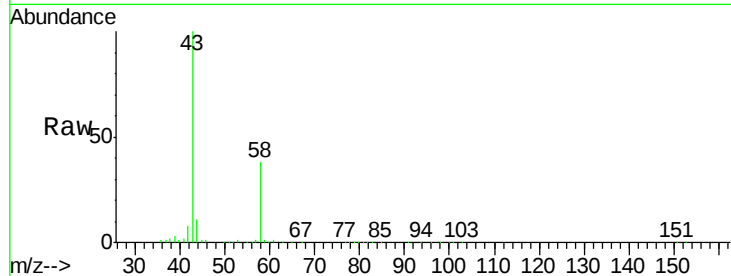
VSTD00571

Tgt Ion: 43 Resp: 131797

Ion Ratio Lower Upper

43 100

58 39.3 0.0 76.2



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006583.D

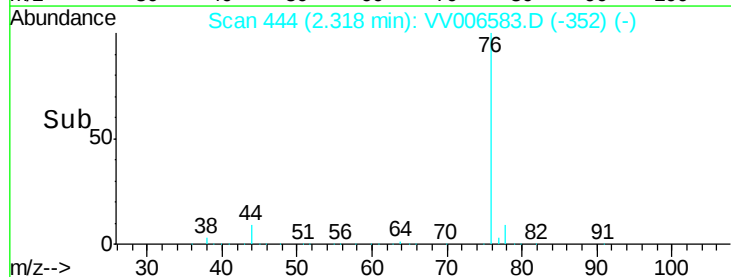
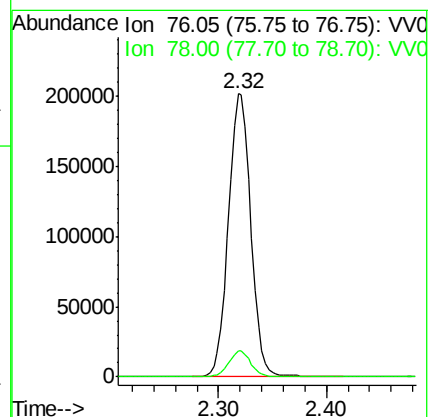
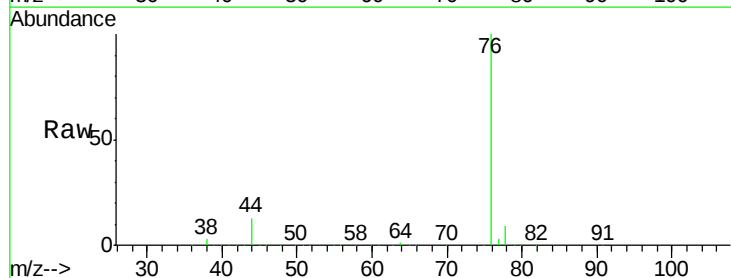
Acq: 12 Jul 2018 10:36

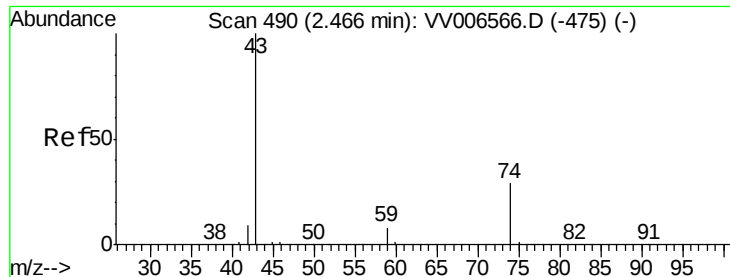
Tgt Ion: 76 Resp: 291907

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

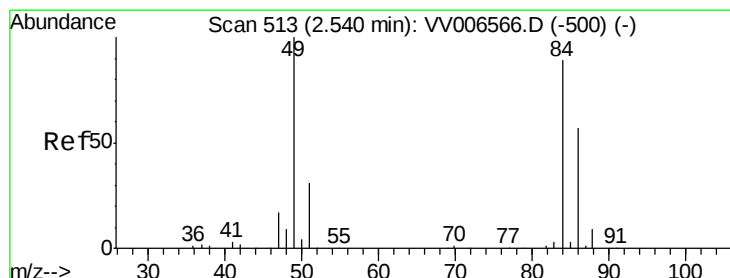
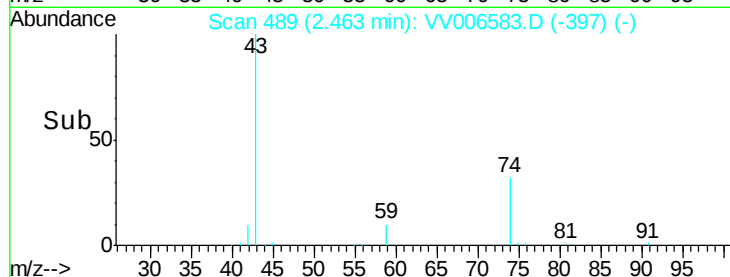
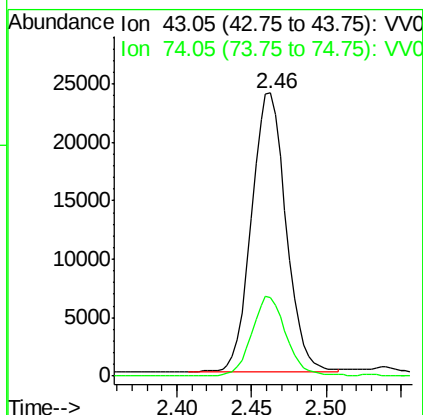
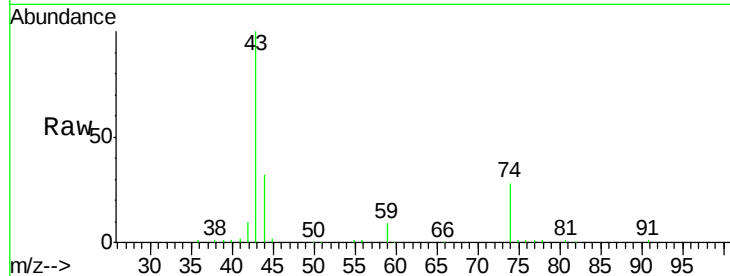




#15
Methyl Acetate
Concen: 4.419 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

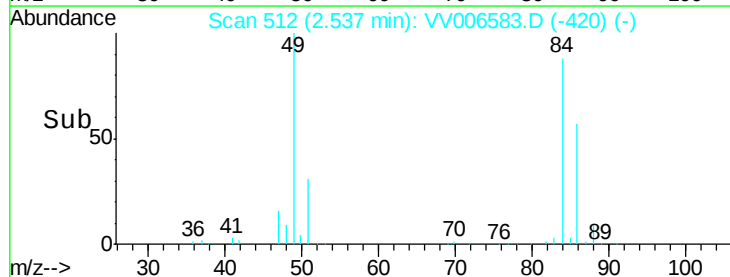
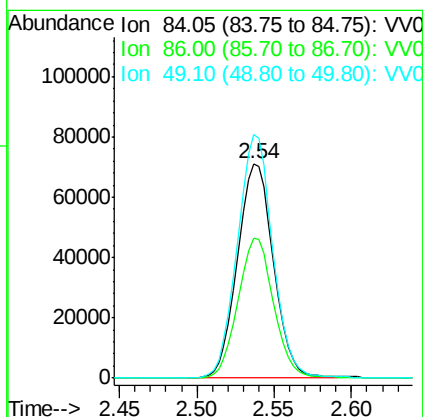
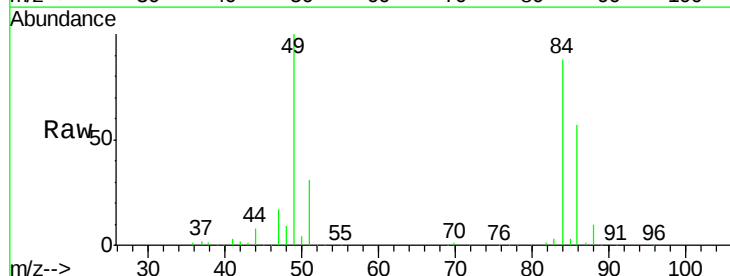
Instrument :
MSVOA_V
ClientSampled :
VSTD00571

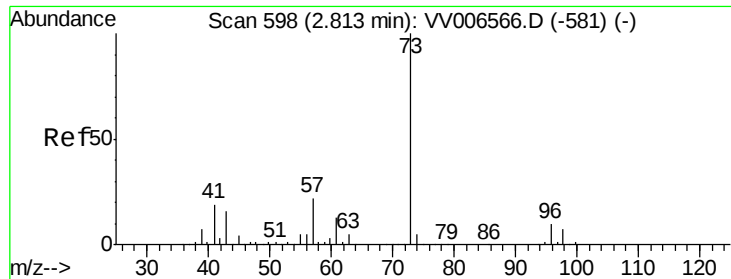
Tgt Ion: 43 Resp: 38511
Ion Ratio Lower Upper
43 100
74 28.1 21.8 32.6



#16
Methylene chloride
Concen: 4.828 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion: 84 Resp: 115529
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 113.7 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 4.710 ug/L

RT: 2.81 min Scan# 597

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

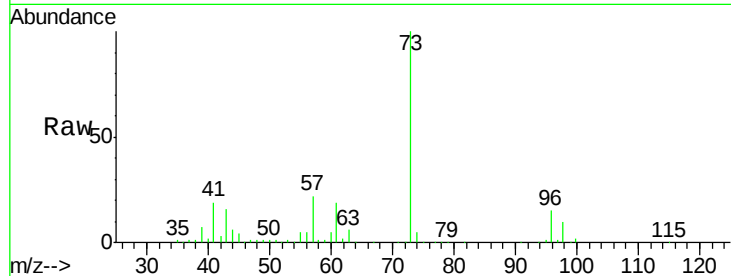
Tgt Ion: 73 Resp: 236803

Ion Ratio Lower Upper

73 100

43 15.6 12.5 18.7

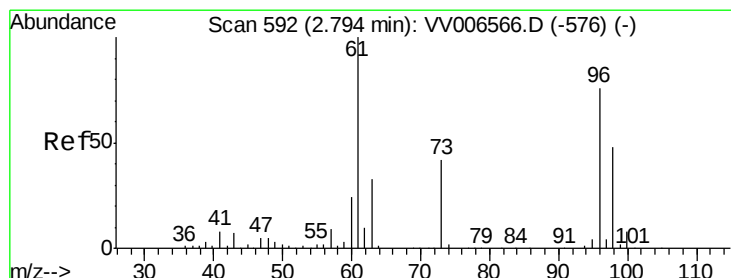
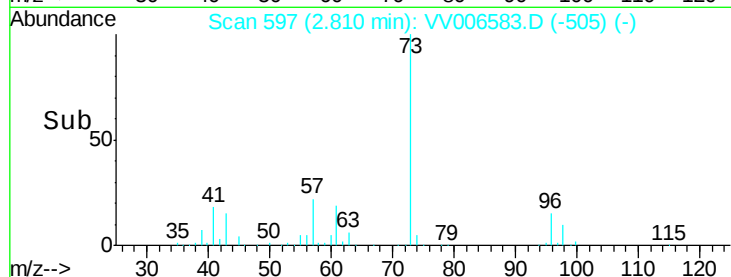
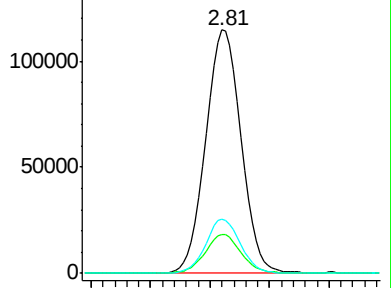
57 21.9 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VV006566.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006566.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006566.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.725 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

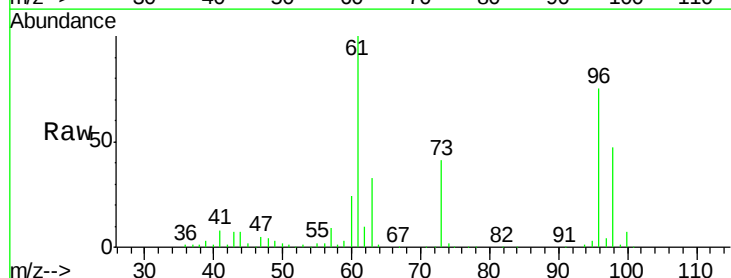
Tgt Ion: 96 Resp: 109415

Ion Ratio Lower Upper

96 100

61 132.7 96.5 179.3

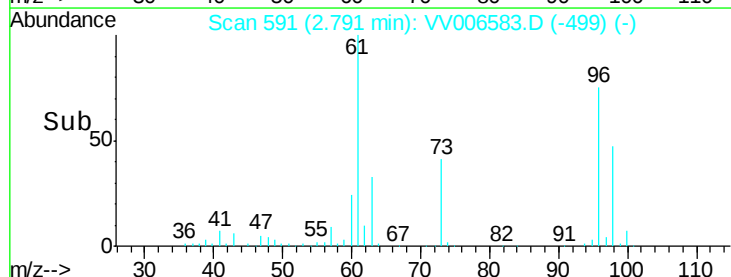
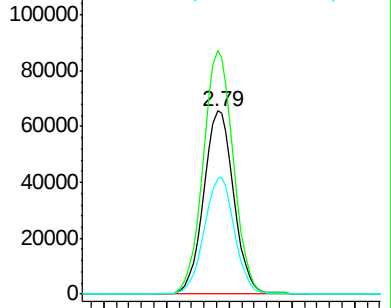
98 62.8 45.1 83.7

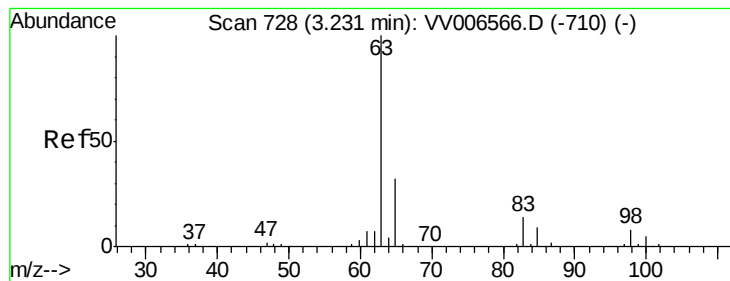


Abundance Ion 96.00 (95.70 to 96.70): VV006566.D (-576) (-)

Ion 61.05 (60.75 to 61.75): VV006566.D (-576) (-)

Ion 97.95 (97.65 to 98.65): VV006566.D (-576) (-)





#19

1,1-Dichloroethane

Concen: 4.690 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

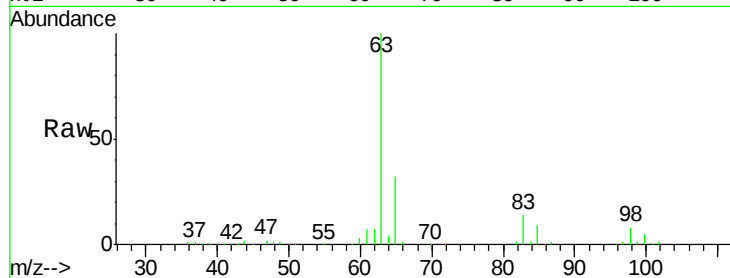
Tgt Ion: 63 Resp: 188469

Ion Ratio Lower Upper

63 100

65 31.7 22.0 41.0

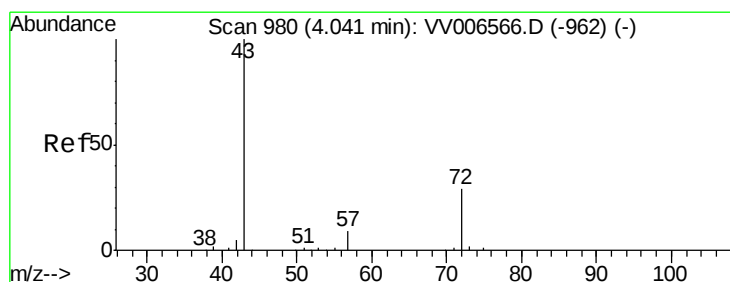
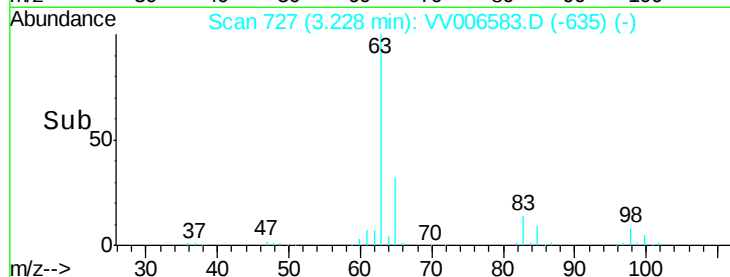
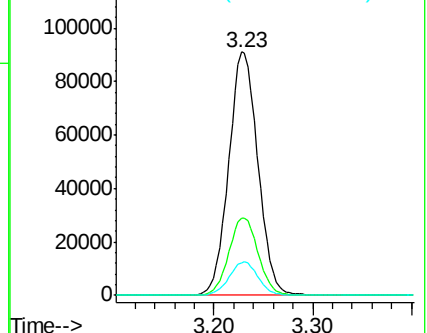
83 13.6 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV006566.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VV006566.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VV006566.D (-710) (-)



#21

2-Butanone

Concen: 46.377 ug/L

RT: 4.03 min Scan# 977

Delta R.T. -0.01 min

Lab File: VV006583.D

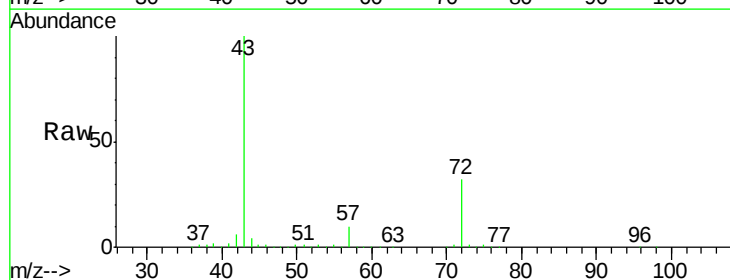
Acq: 12 Jul 2018 10:36

Tgt Ion: 43 Resp: 225281

Ion Ratio Lower Upper

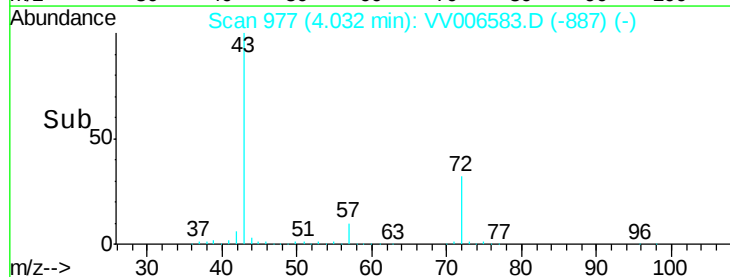
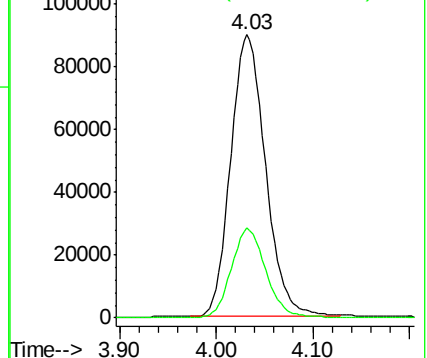
43 100

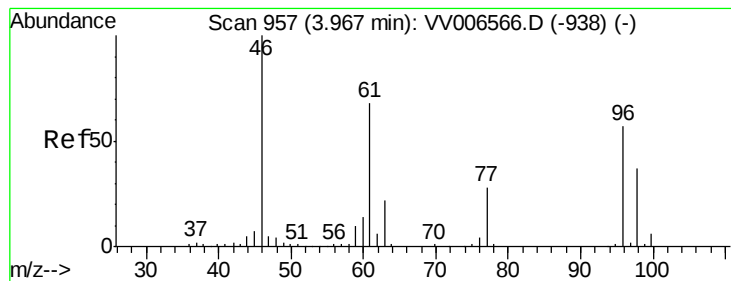
72 30.7 15.1 45.3



Abundance Ion 43.05 (42.75 to 43.75): VV006566.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VV006566.D (-962) (-)



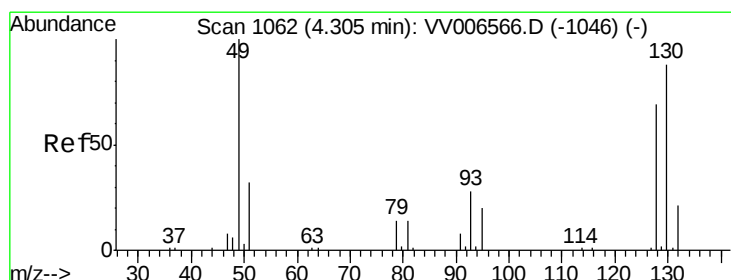
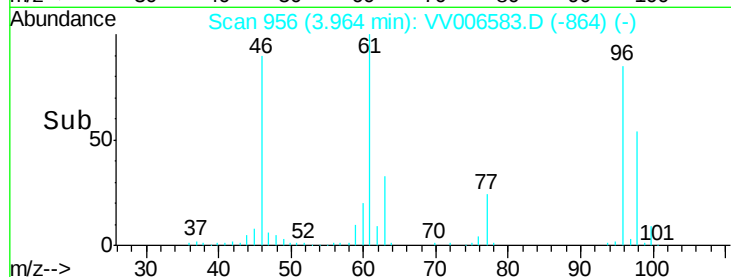
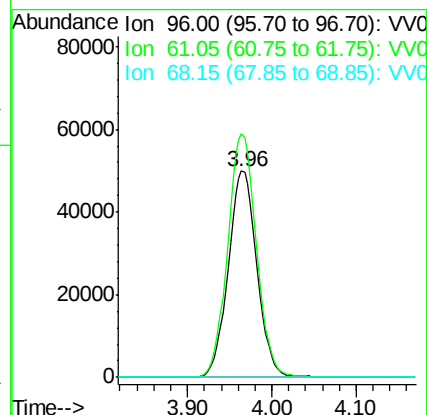
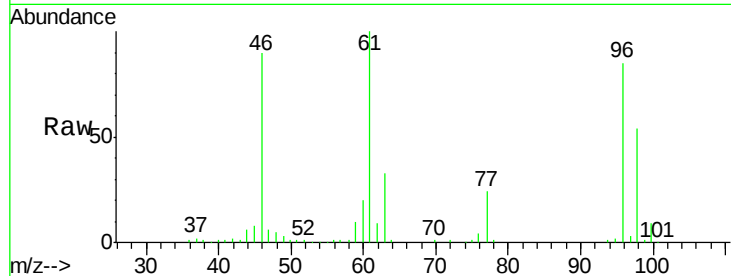


#22

cis-1,2-Dichloroethene
Concen: 4.728 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

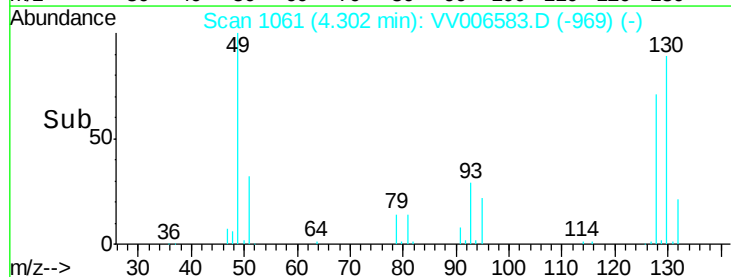
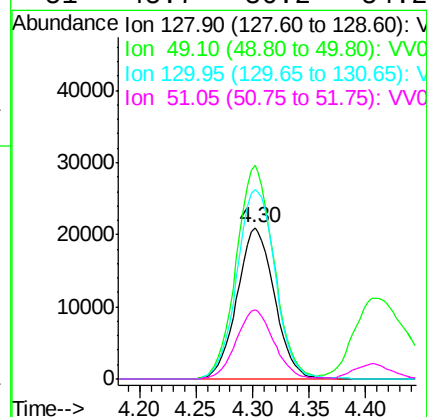
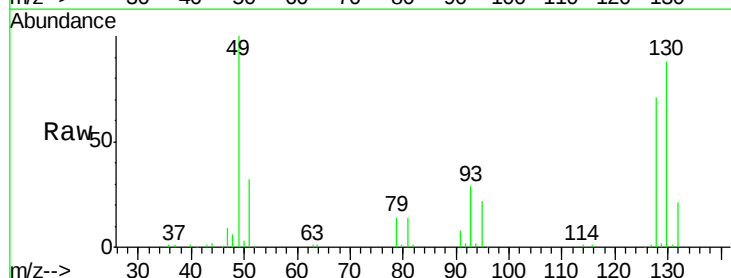
Tgt Ion: 96 Resp: 117612
Ion Ratio Lower Upper
96 100
61 117.9 83.8 155.6
68 0.0 0.0 0.0

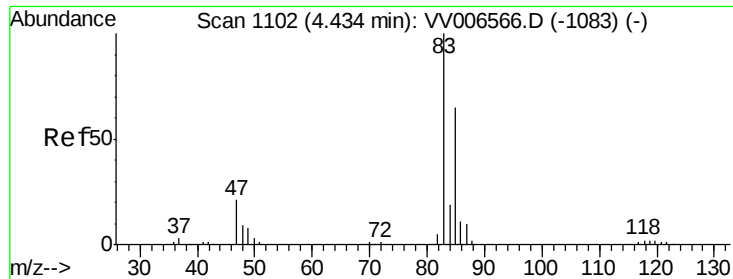


#23

Bromochloromethane
Concen: 4.735 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion: 128 Resp: 48245
Ion Ratio Lower Upper
128 100
49 141.0 98.8 183.4
130 124.7 89.5 166.1
51 45.7 36.2 54.2

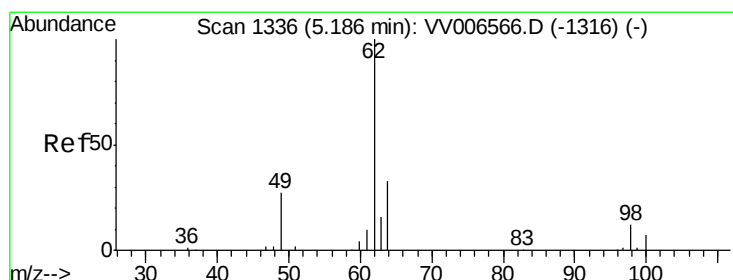
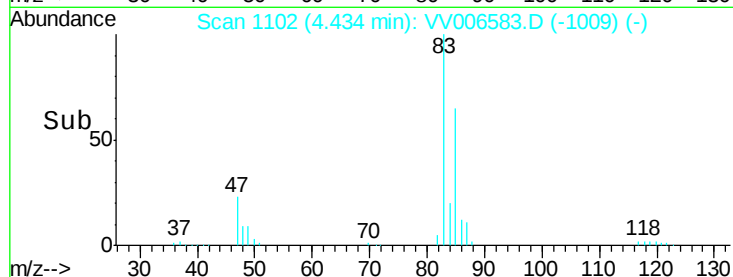
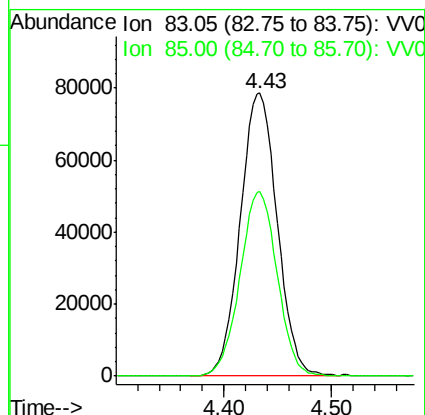
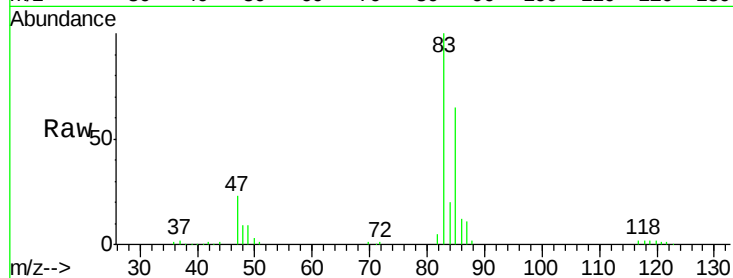




#25
Chloroform
Concen: 4.684 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

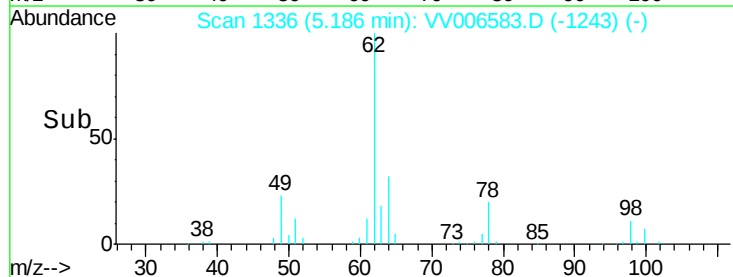
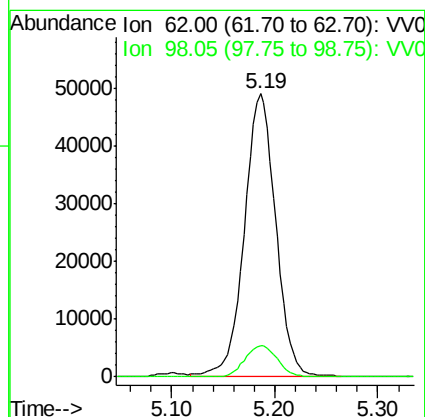
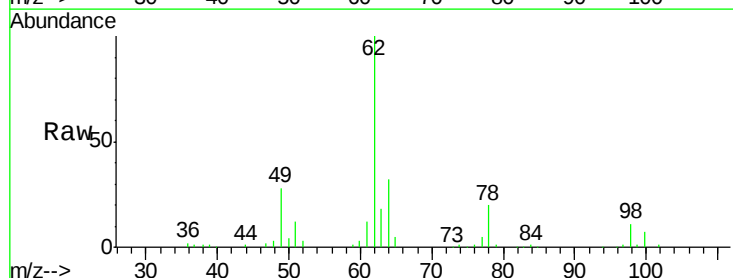
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

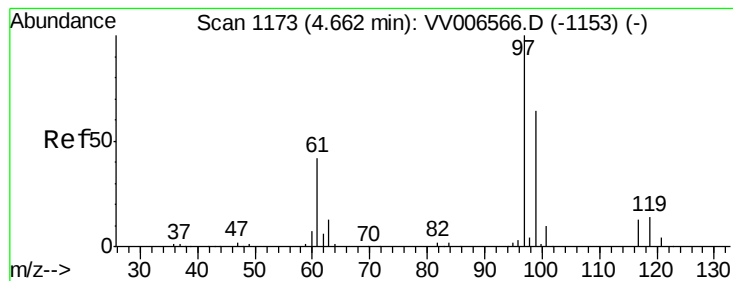
Tgt Ion: 83 Resp: 187226
Ion Ratio Lower Upper
83 100
85 65.2 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.515 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion: 62 Resp: 102482
Ion Ratio Lower Upper
62 100
98 11.1 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 4.833 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

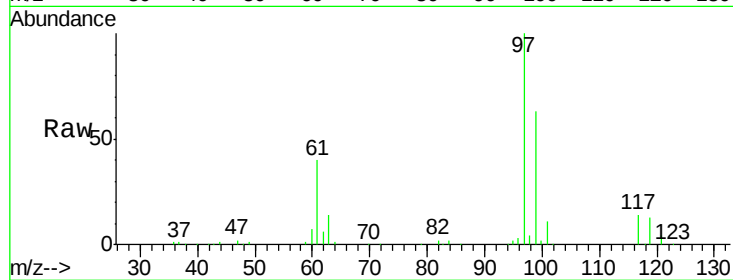
Tgt Ion: 97 Resp: 158720

Ion Ratio Lower Upper

97 100

99 63.3 51.2 76.8

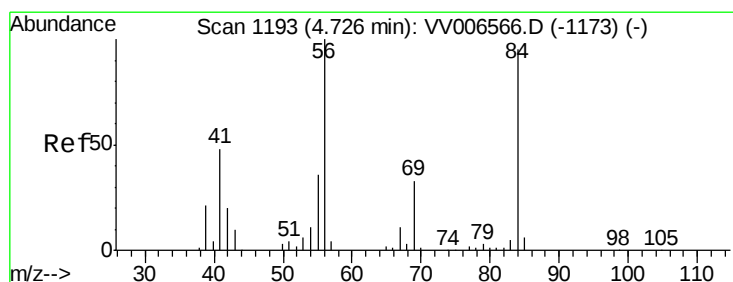
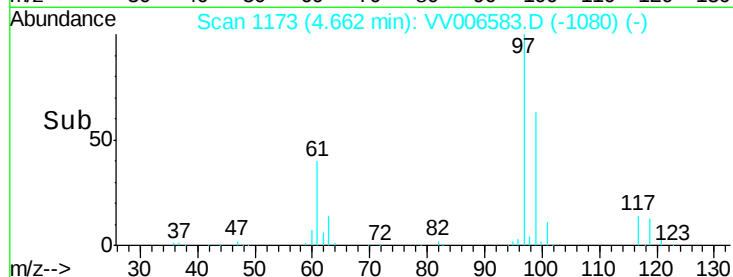
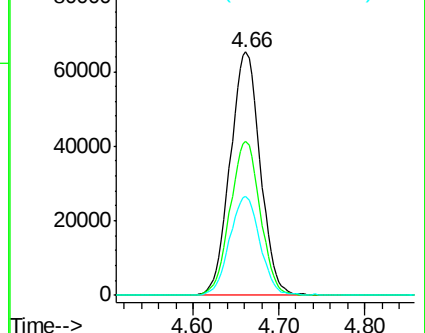
61 40.9 33.7 50.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.937 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

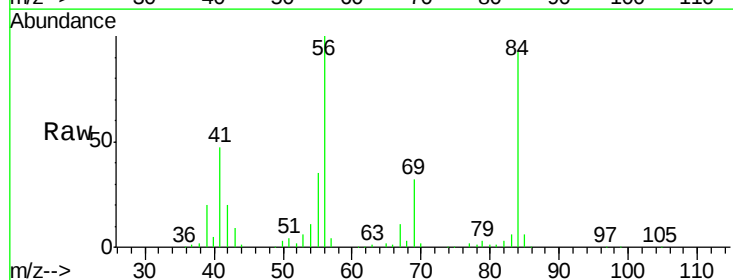
Tgt Ion: 56 Resp: 172544

Ion Ratio Lower Upper

56 100

69 32.0 25.5 38.3

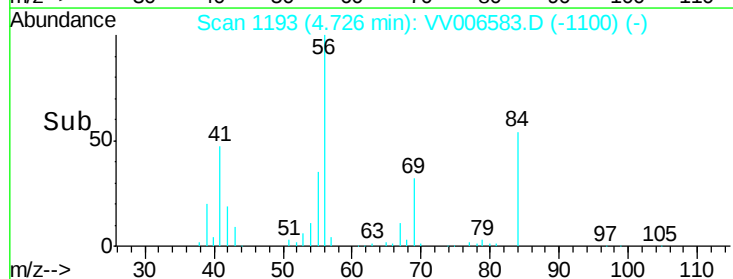
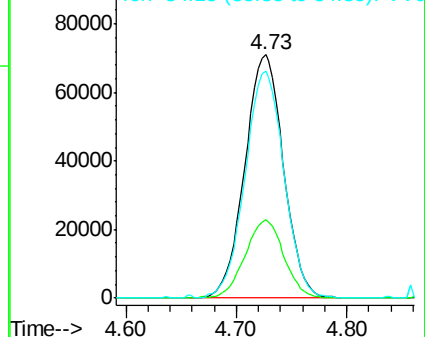
84 94.0 74.7 112.1

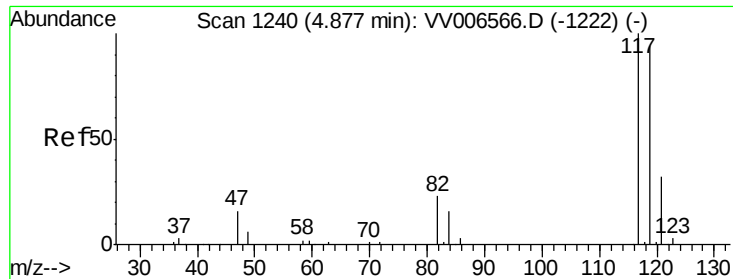


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.864 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

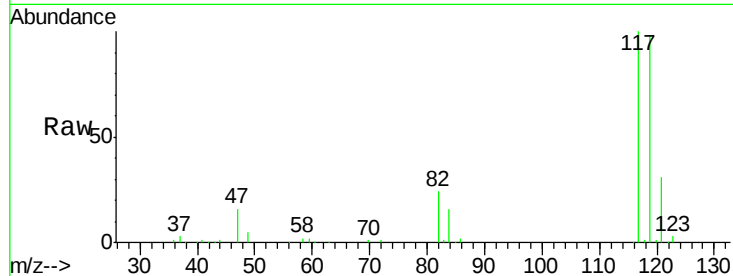
VSTD00571

Tgt Ion:117 Resp: 133648

Ion Ratio Lower Upper

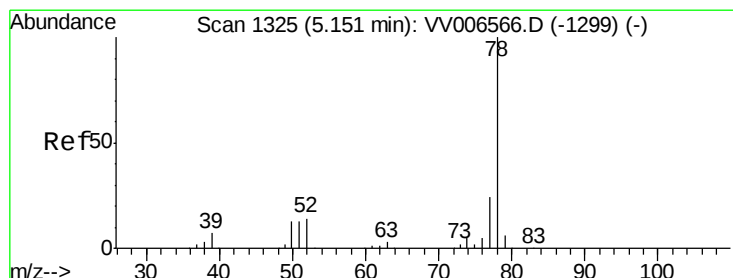
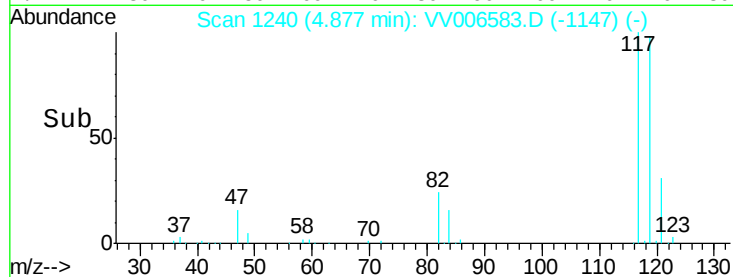
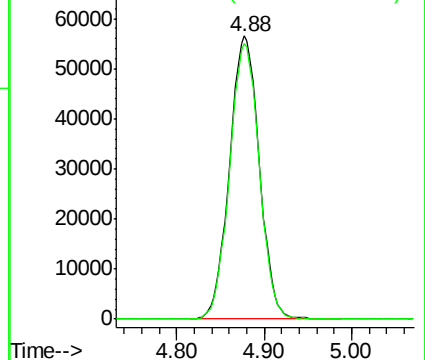
117 100

119 96.9 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.744 ug/L

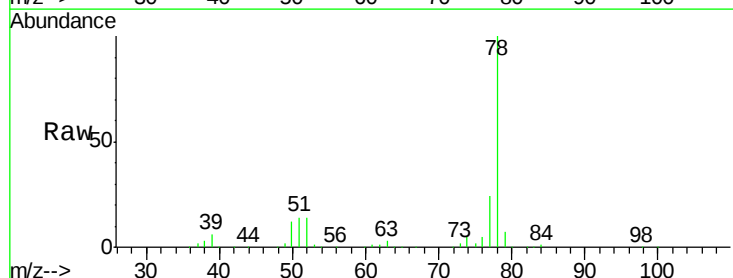
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

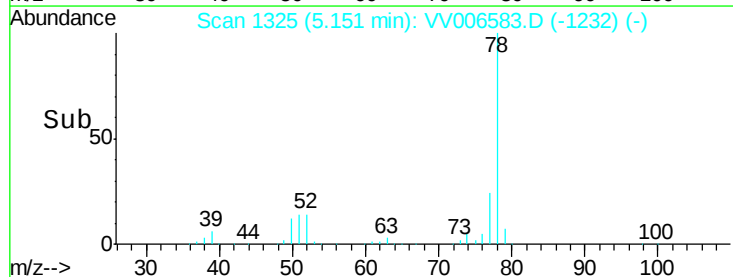
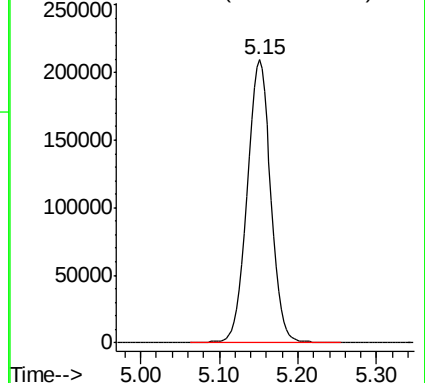
Lab File: VV006583.D

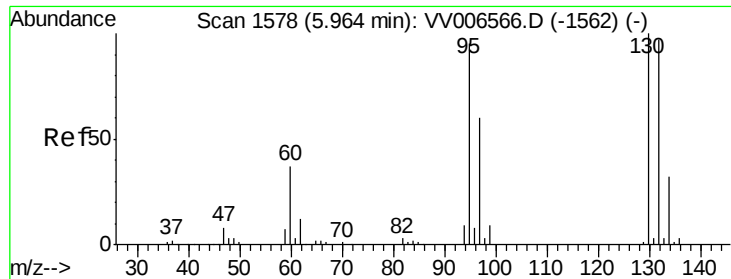
Acq: 12 Jul 2018 10:36

Tgt Ion: 78 Resp: 443863



Abundance Ion 78.10 (77.80 to 78.80): VV0

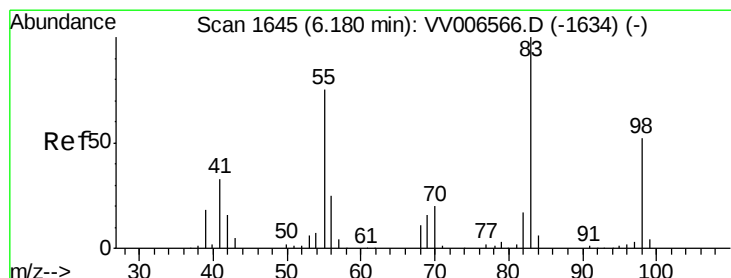
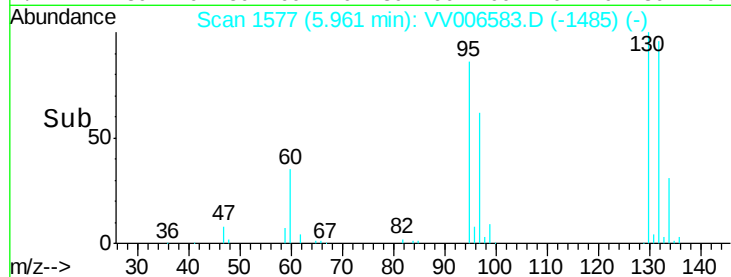
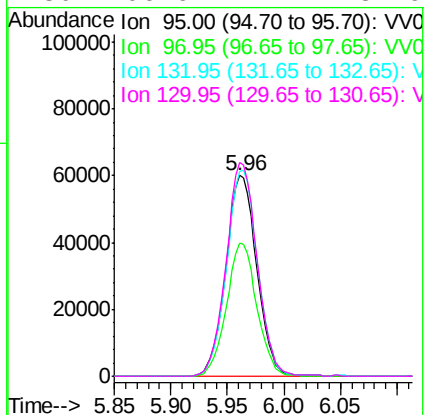
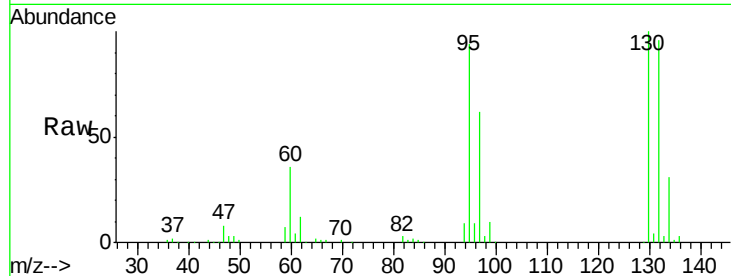




#34
 Trichloroethene
 Concen: 4.766 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

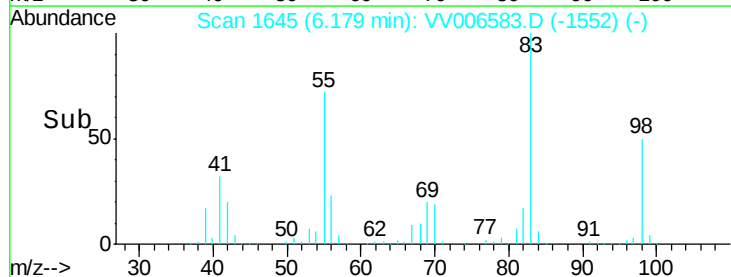
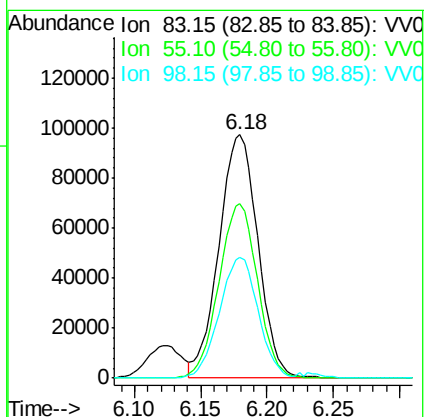
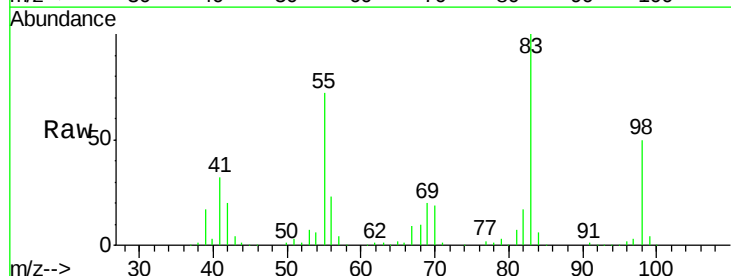
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00571

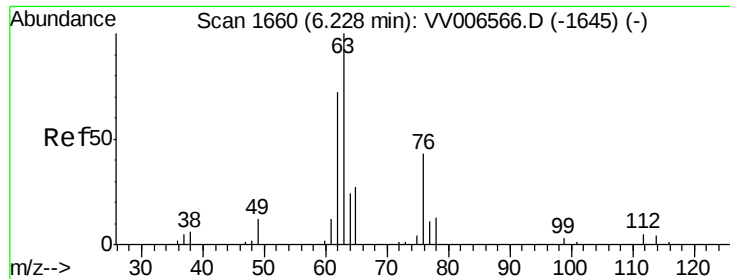
Tgt Ion: 95 Resp: 114380
 Ion Ratio Lower Upper
 95 100
 97 66.2 44.3 82.3
 132 102.1 70.0 130.0
 130 106.6 72.7 134.9



#35
 Methylcyclohexane
 Concen: 5.123 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion: 83 Resp: 197962
 Ion Ratio Lower Upper
 83 100
 55 71.0 58.3 87.5
 98 49.3 39.3 58.9

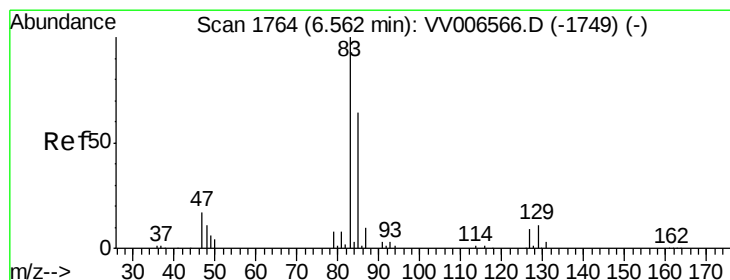
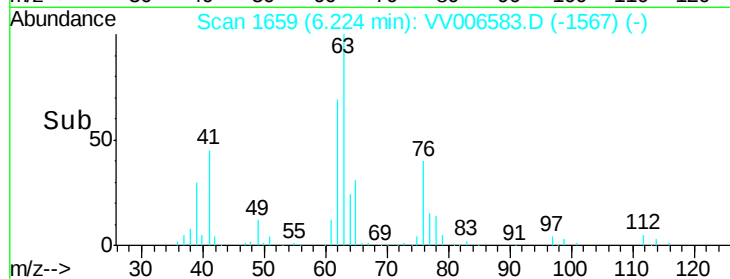
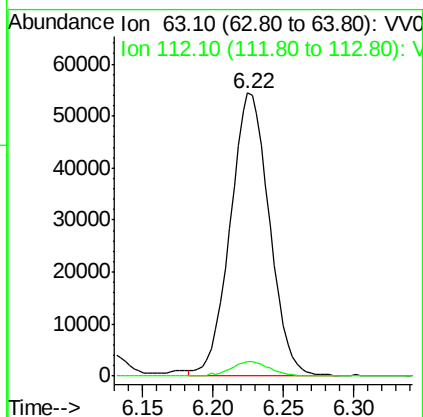
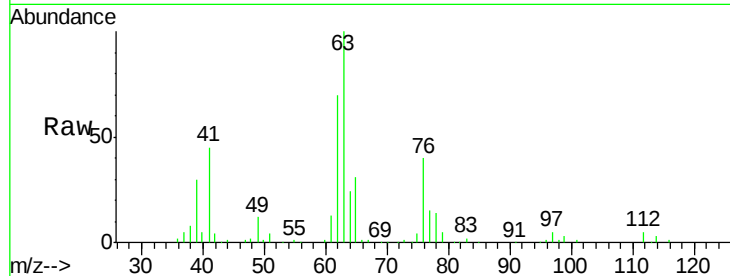




#37
 1,2-Dichloropropane
 Concen: 4.623 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

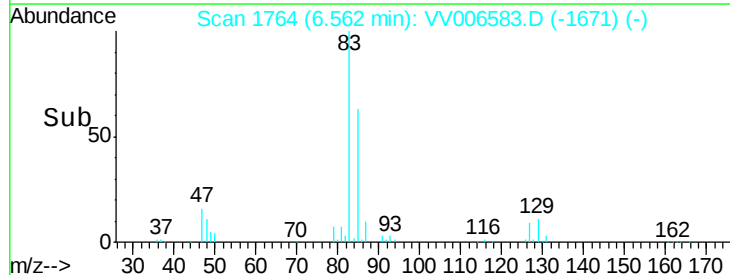
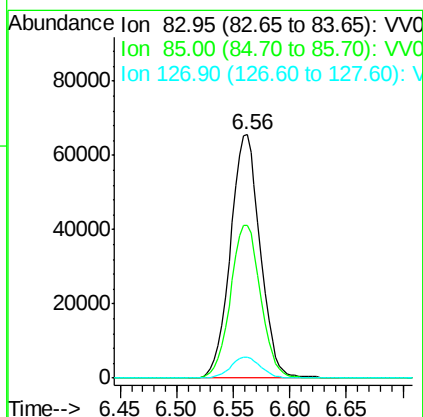
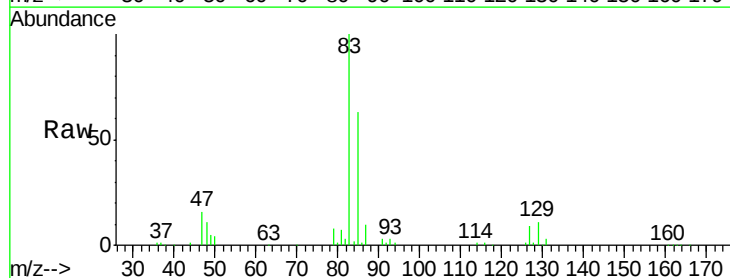
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

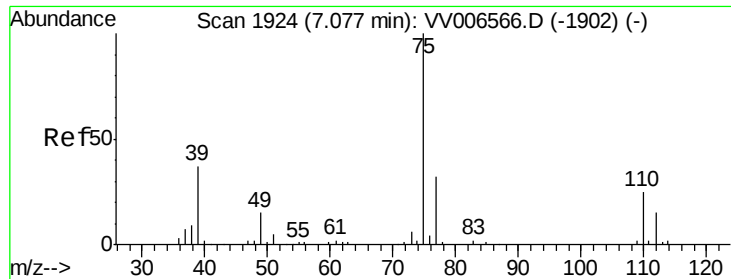
Tgt Ion: 63 Resp: 105799
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.649 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion: 83 Resp: 119955
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.7
 127 8.7 6.9 10.3

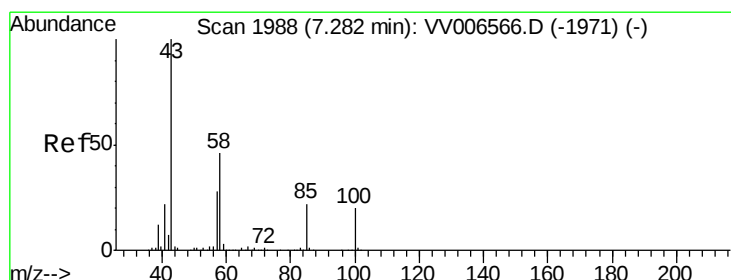
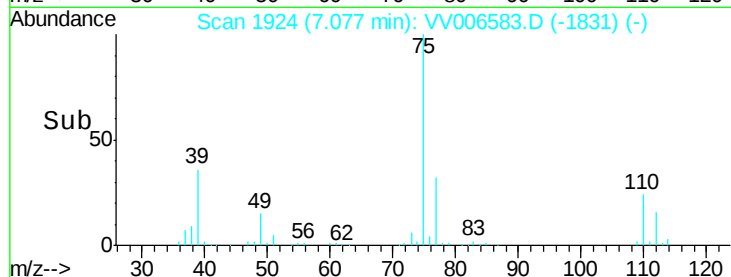
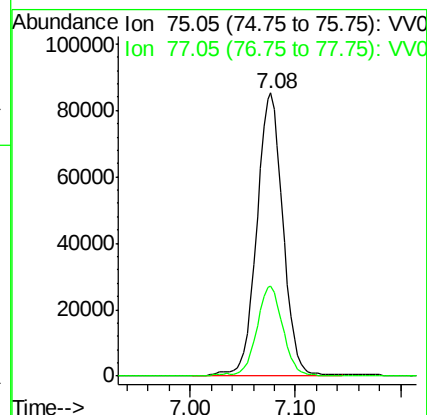
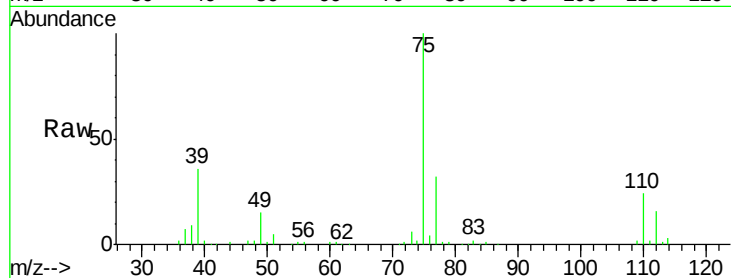




#39
 cis-1,3-Dichloropropene
 Concen: 4.818 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

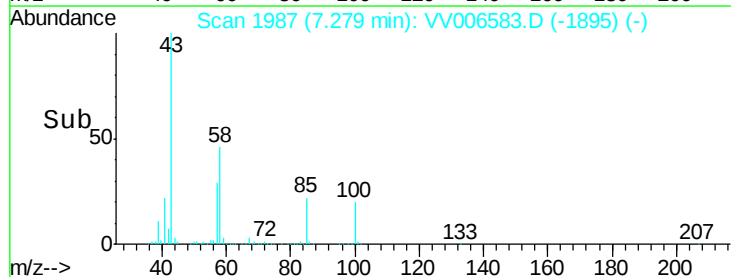
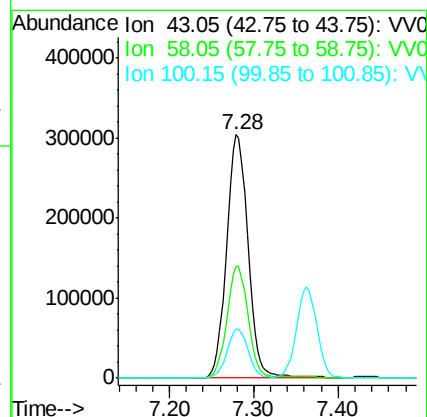
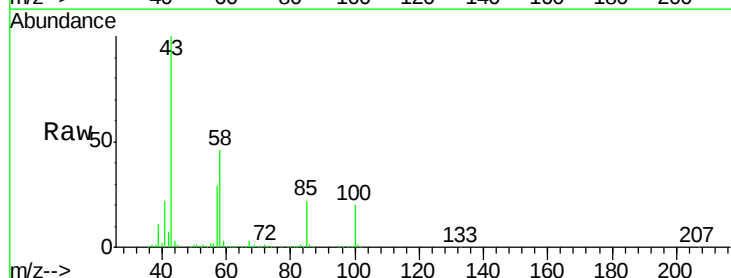
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

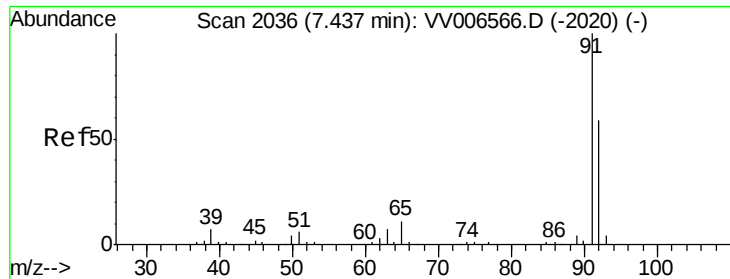
Tgt Ion: 75 Resp: 147997
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 46.660 ug/L
 RT: 7.28 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion: 43 Resp: 541242
 Ion Ratio Lower Upper
 43 100
 58 45.2 35.8 53.6
 100 19.8 15.4 23.0





#42

Toluene

Concen: 4.829 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampled :

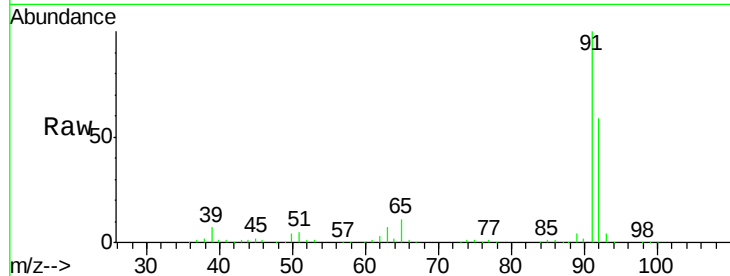
VSTD00571

Tgt Ion: 91 Resp: 469936

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

300000

250000

200000

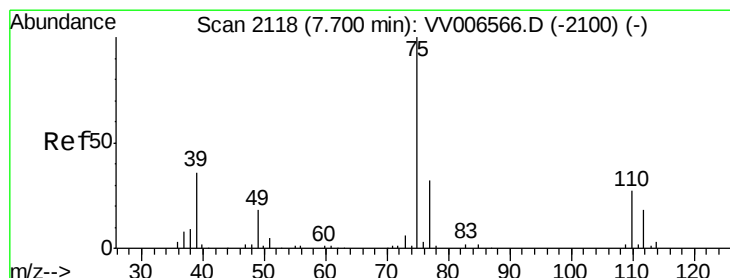
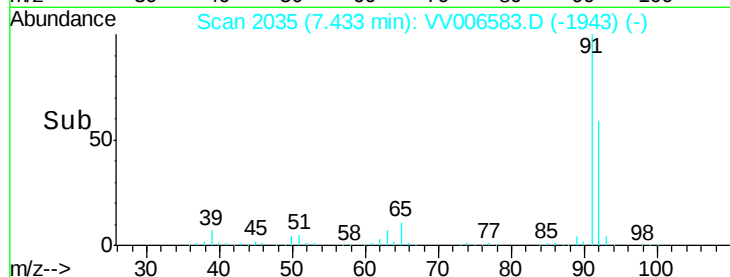
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.866 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006583.D

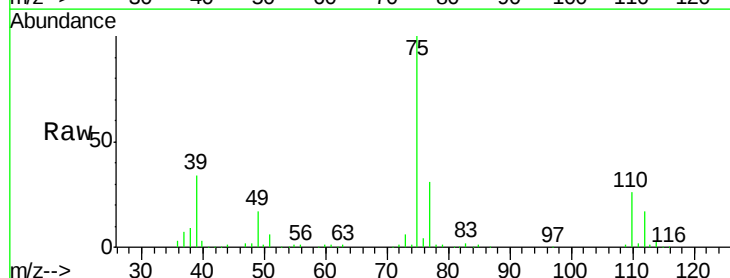
Acq: 12 Jul 2018 10:36

Tgt Ion: 75 Resp: 115377

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

80000

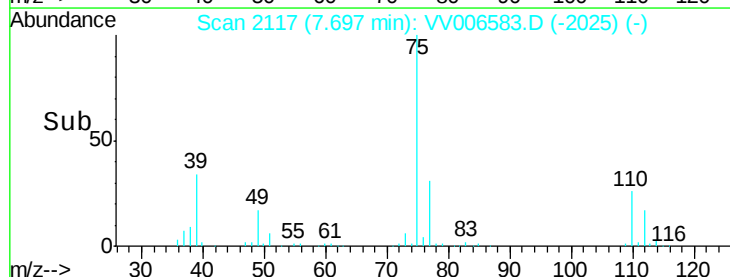
60000

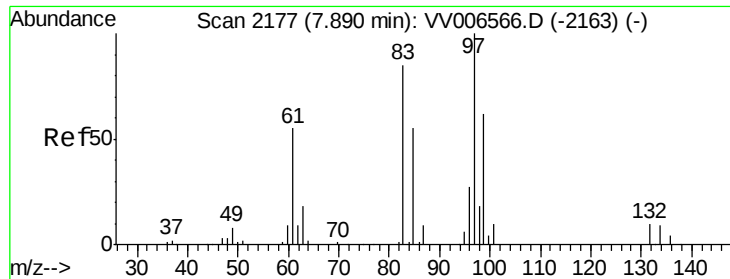
40000

20000

0

Time-->

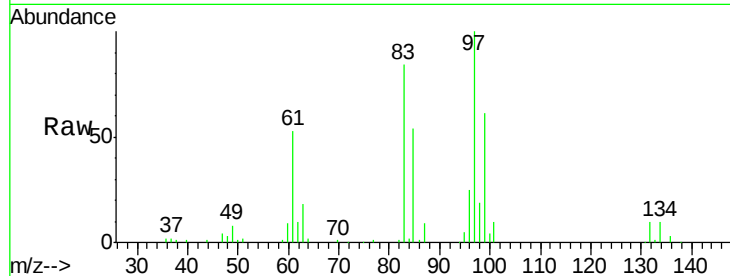




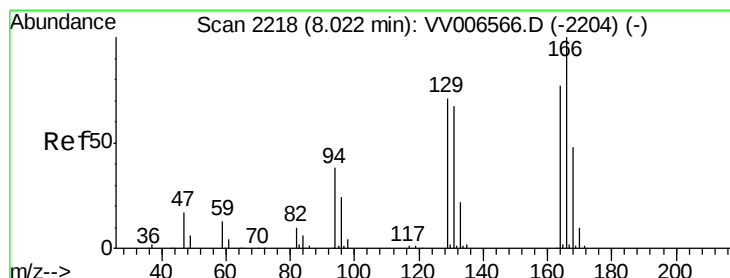
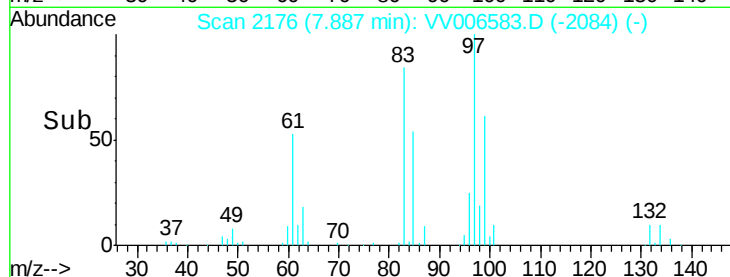
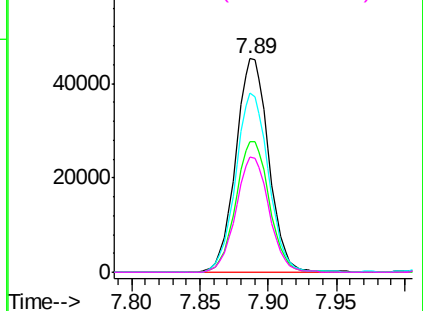
#45
 1,1,2-Trichloroethane
 Concen: 4.738 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:	97	Resp:	75863
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.3	80.3
83	83.7	58.0	107.8
85	53.8	37.8	70.2

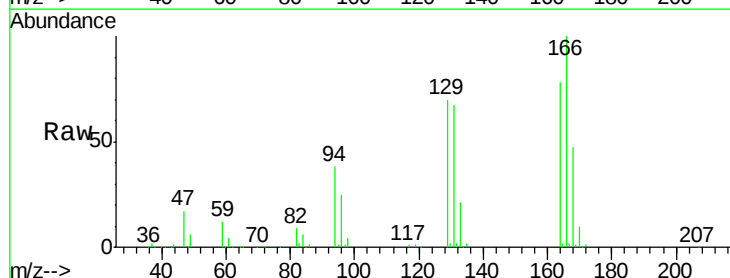


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

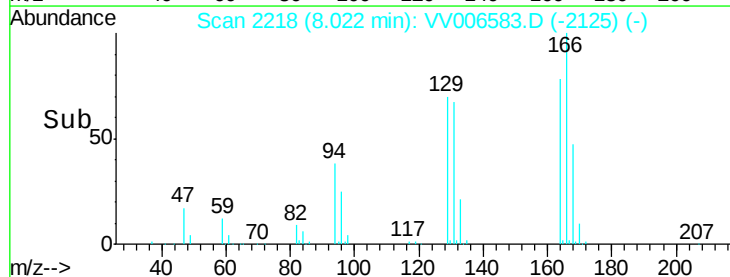
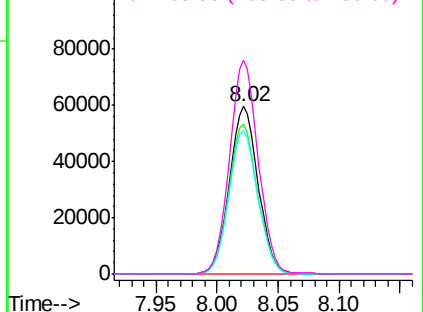


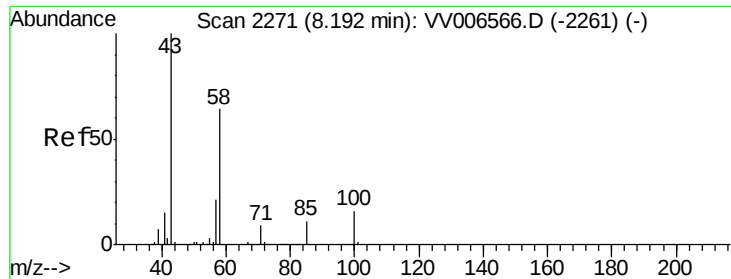
#47
 Tetrachloroethene
 Concen: 4.960 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion:	164	Resp:	97877
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.1	115.3
131	85.7	60.8	113.0
166	127.6	87.1	161.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

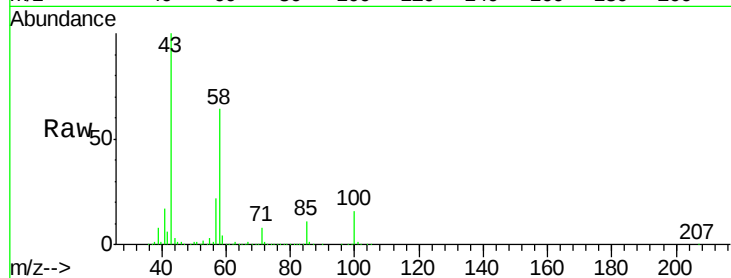




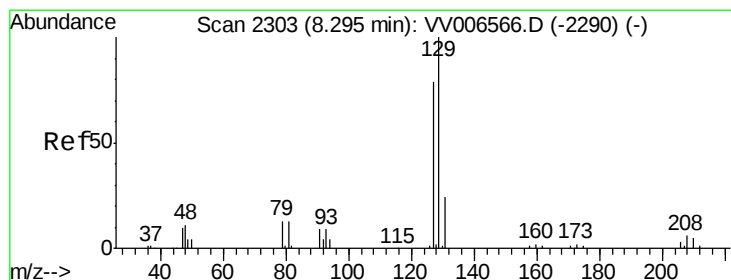
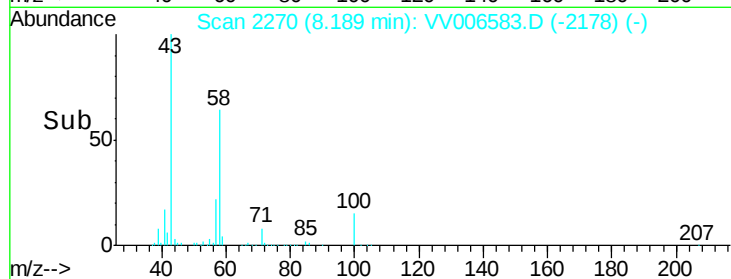
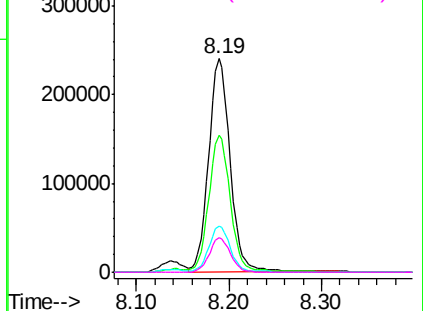
#48
2-Hexanone
Concen: 46.962 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:	43	Resp:	386257
Ion	Ratio	Lower	Upper
43	100		
58	63.7	50.3	75.5
57	21.7	17.0	25.4
100	15.6	12.3	18.5

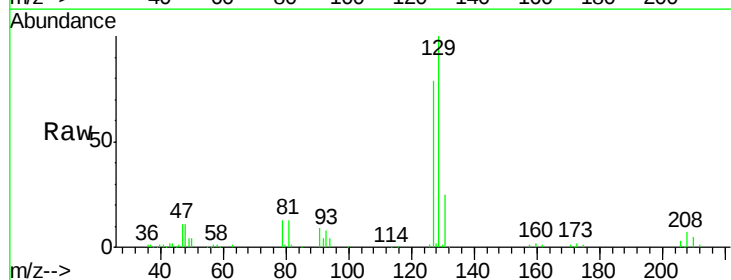


Abundance Ion 43.05 (42.75 to 43.75): VV006583.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV006583.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV006583.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV006583.D (-2178) (-)

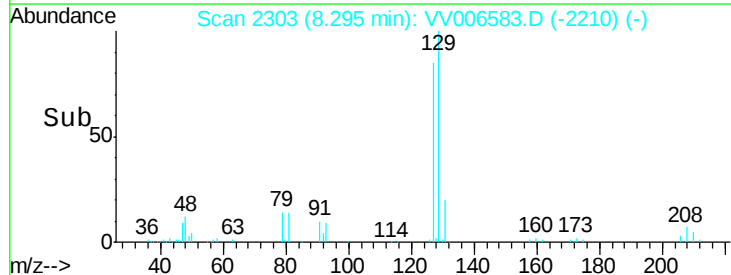
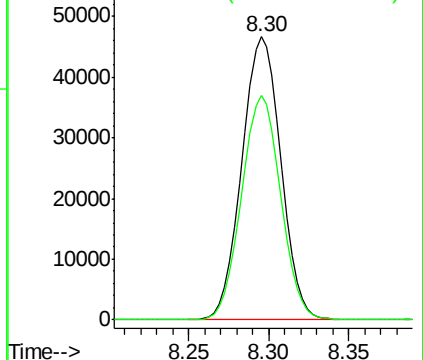


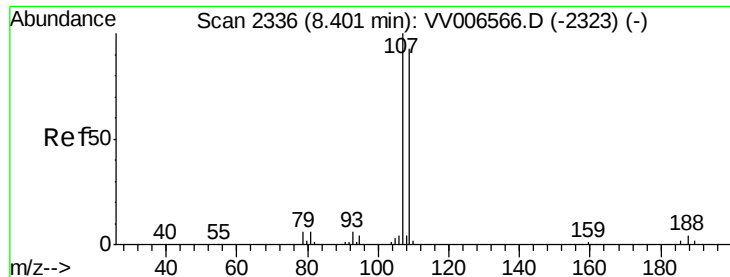
#49
Dibromochloromethane
Concen: 4.645 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion:	129	Resp:	77563
Ion	Ratio	Lower	Upper
129	100		
127	79.1	52.7	97.9



Abundance Ion 128.95 (128.65 to 129.65): VV006583.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006583.D (-2210) (-)

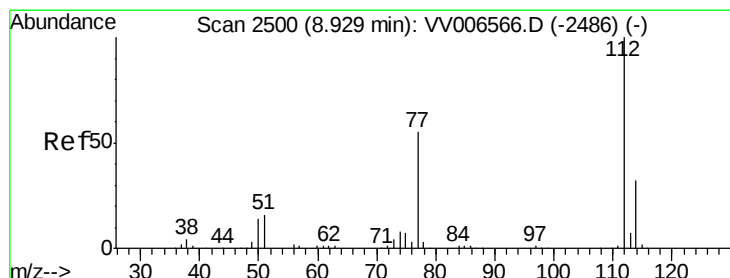
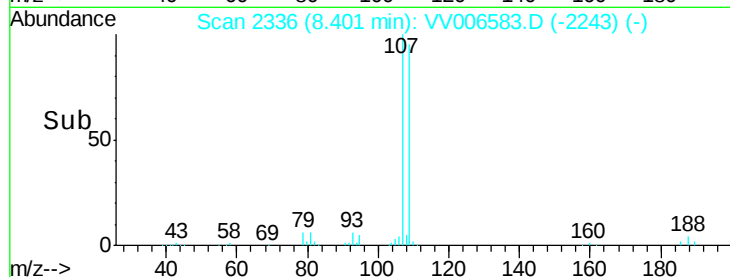
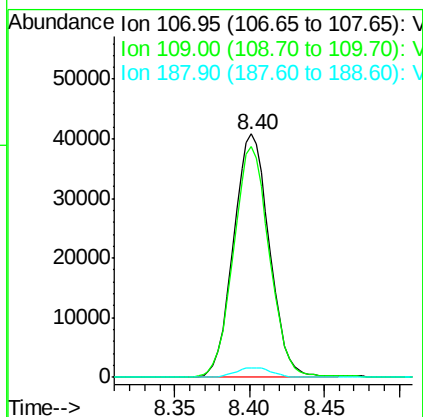
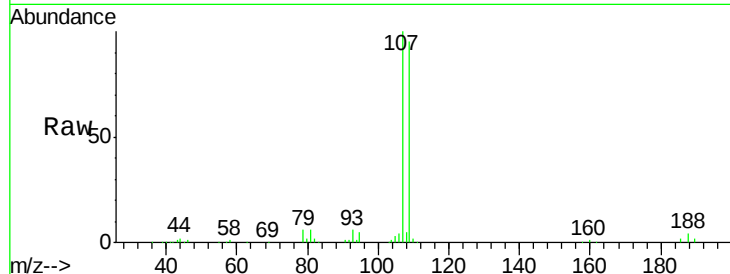




#50
1,2-Dibromoethane
Concen: 4.672 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

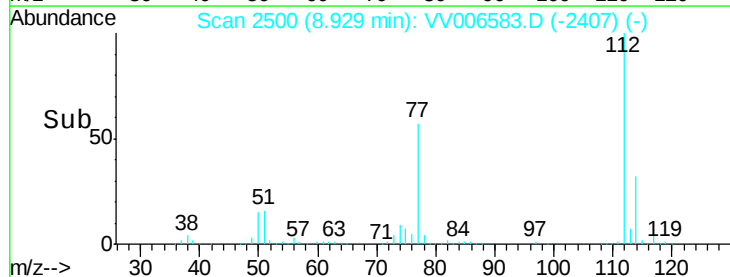
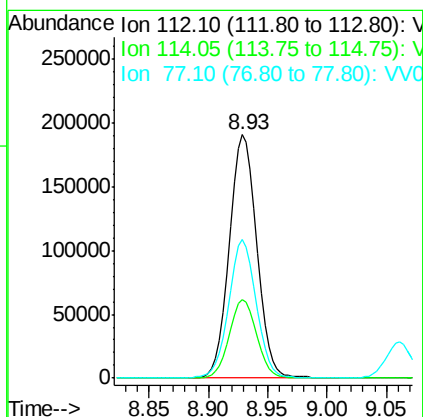
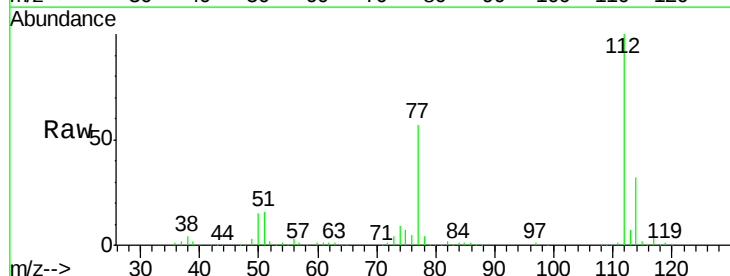
Instrument :
MSVOA_V
ClientSampled :
VSTD00571

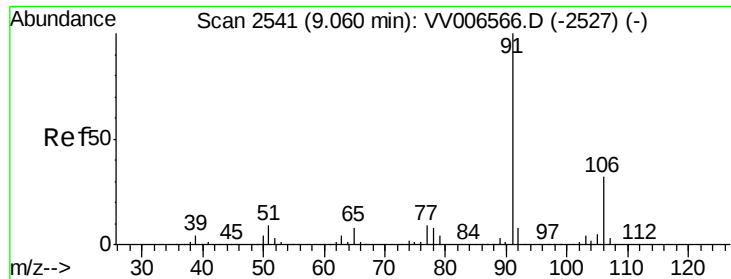
Tgt Ion:107 Resp: 68104
Ion Ratio Lower Upper
107 100
109 95.0 65.2 121.0
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 4.810 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion:112 Resp: 306246
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 56.8 45.1 67.7





#52

Ethylbenzene

Concen: 4.956 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

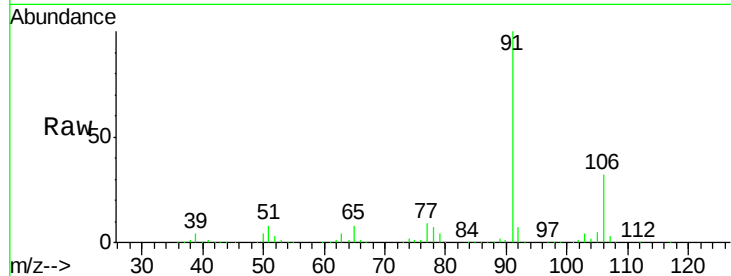
VSTD00571

Tgt Ion: 91 Resp: 512421

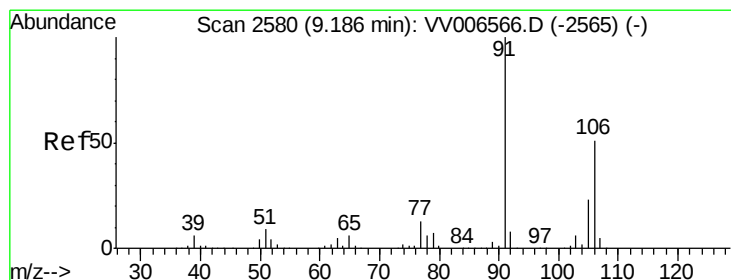
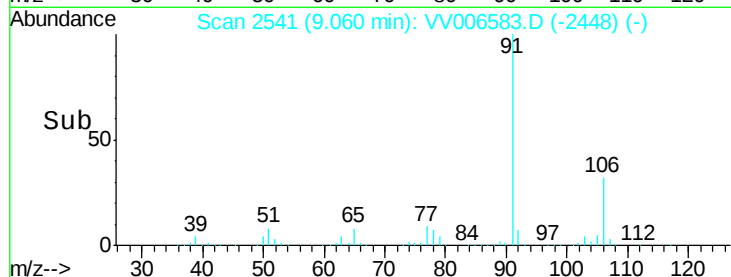
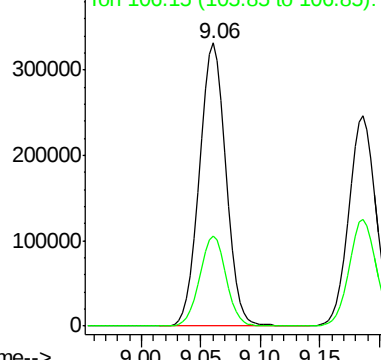
Ion Ratio Lower Upper

91 100

106 32.1 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006583.D (-2448) (-)



#53

m,p-xylene

Concen: 5.037 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006583.D

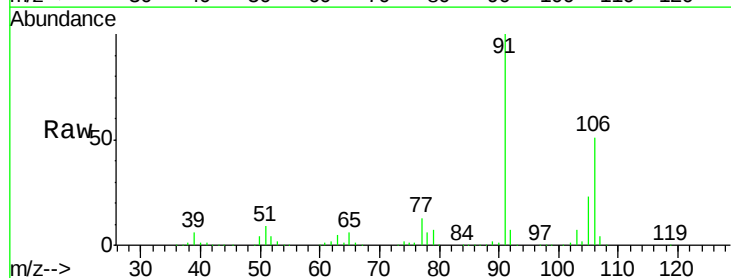
Acq: 12 Jul 2018 10:36

Tgt Ion: 106 Resp: 200638

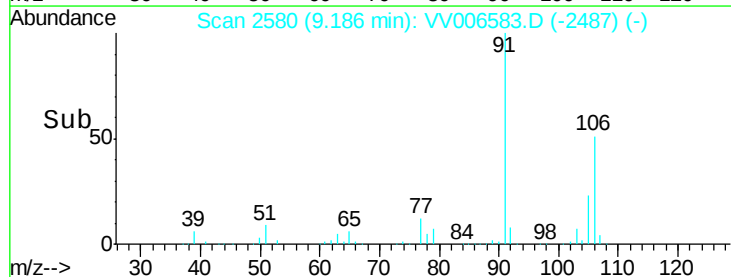
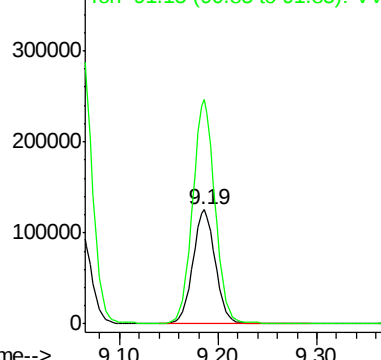
Ion Ratio Lower Upper

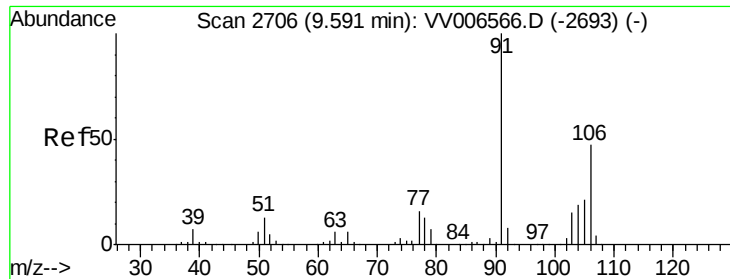
106 100

91 196.8 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006583.D (-2487) (-)

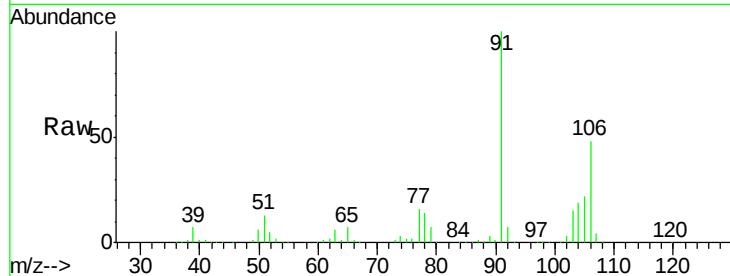




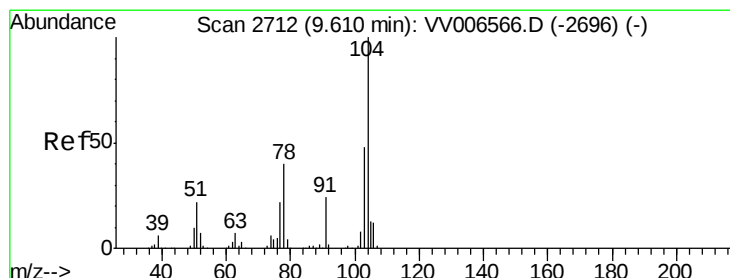
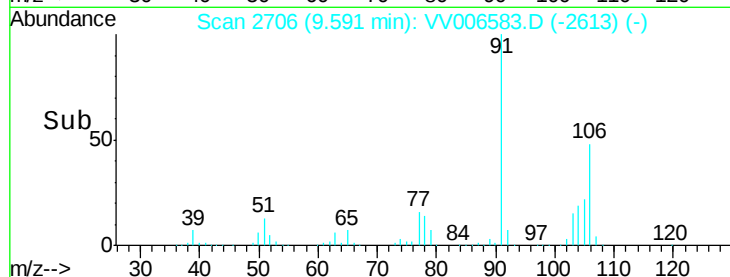
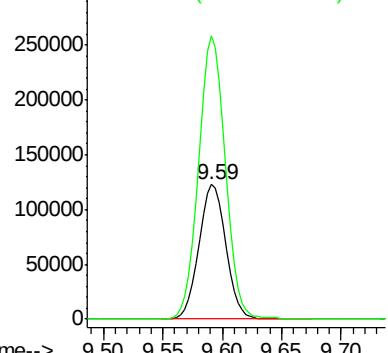
#54
o-xylene
Concen: 4.962 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Instrument :
MSVOA_V
ClientSampled :
VSTD00571

Tgt Ion:106 Resp: 193499
Ion Ratio Lower Upper
106 100
91 210.4 146.1 271.3

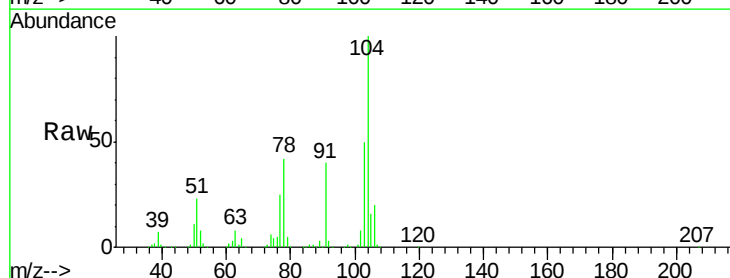


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

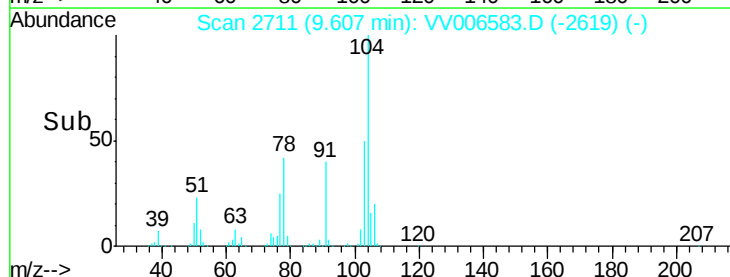
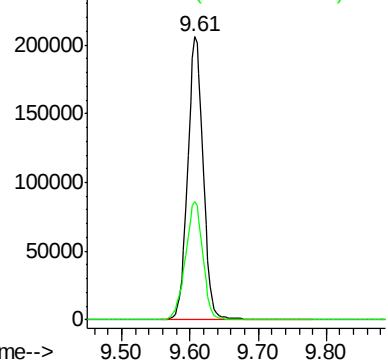


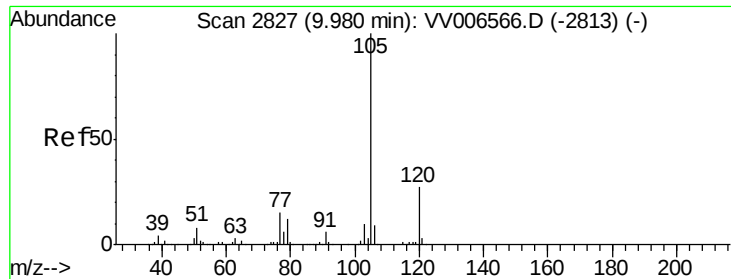
#55
Styrene
Concen: 4.974 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: VV006583.D
Acq: 12 Jul 2018 10:36

Tgt Ion:104 Resp: 326134
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: 5.096 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

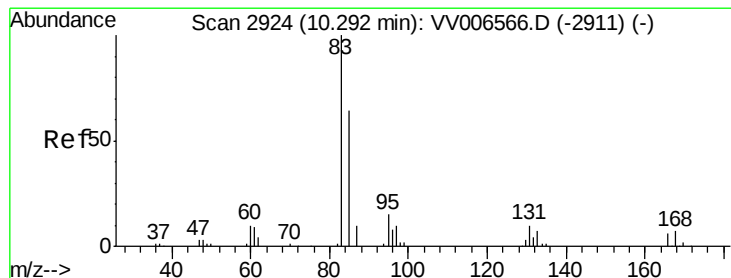
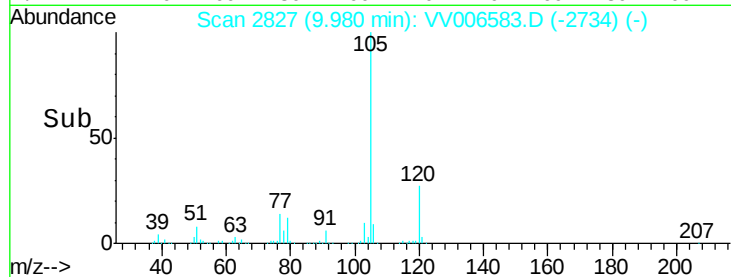
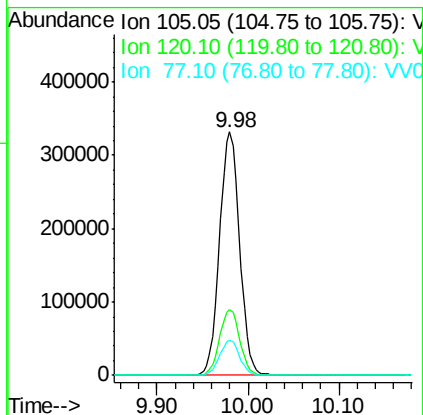
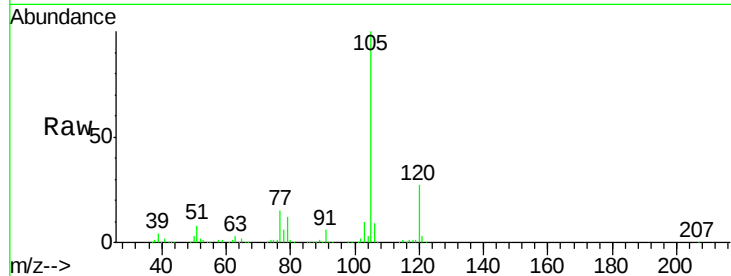
Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion:	105	Resp:	509645
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.5	32.3
77	14.5	11.8	17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.565 ug/L

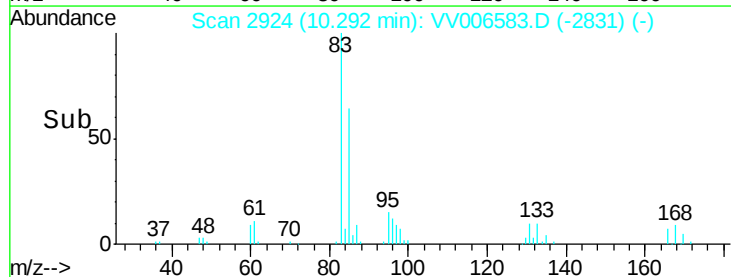
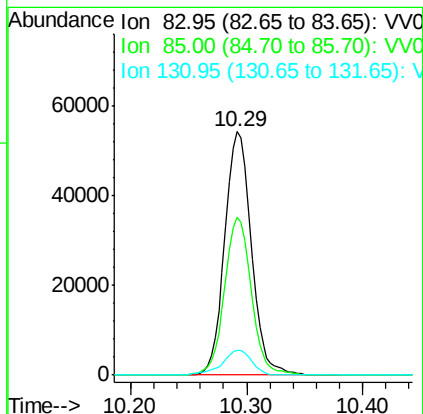
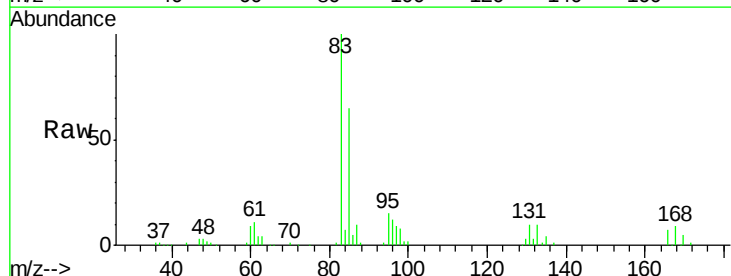
RT: 10.29 min Scan# 2924

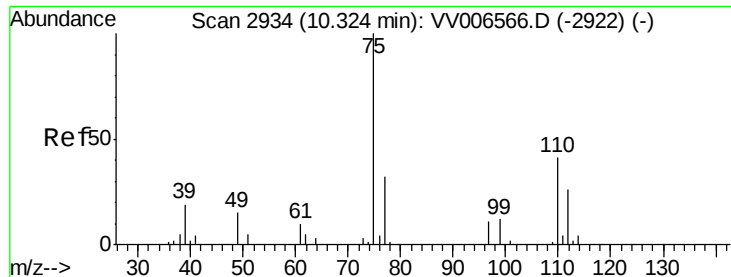
Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Tgt Ion:	83	Resp:	86252
Ion	Ratio	Lower	Upper
83	100		
85	64.6	44.7	83.1
131	10.3	8.6	13.0

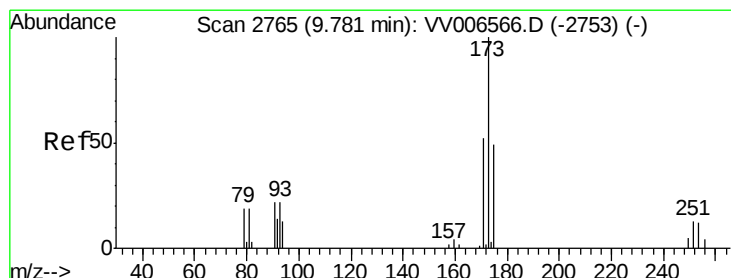
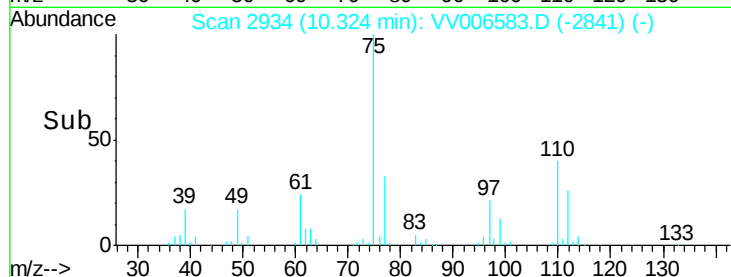
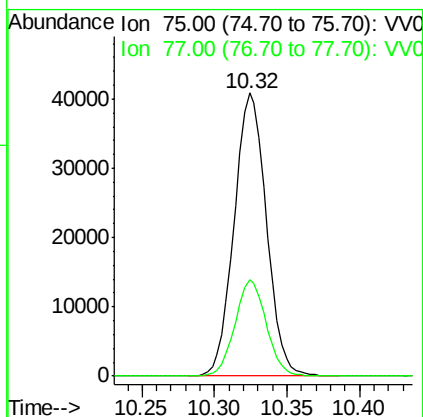
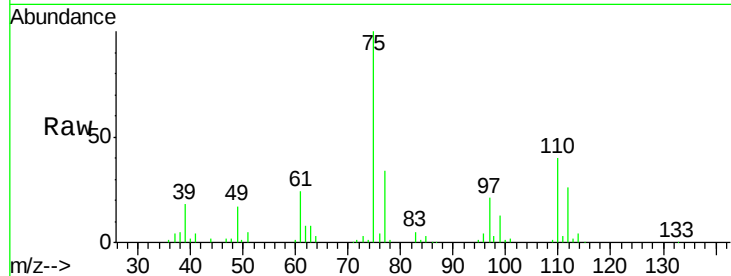




#59
 1,2,3-Trichloropropane
 Concen: 4.649 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

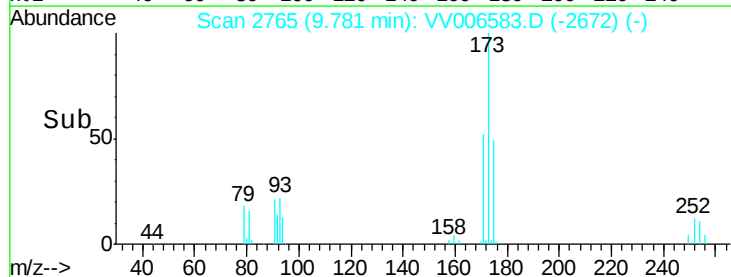
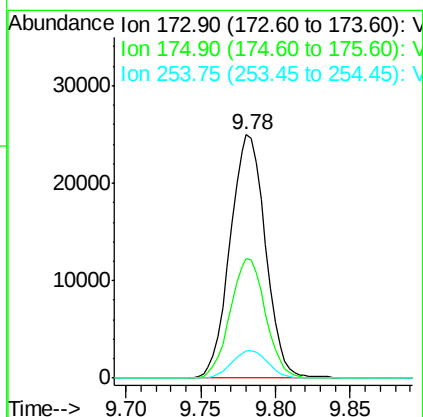
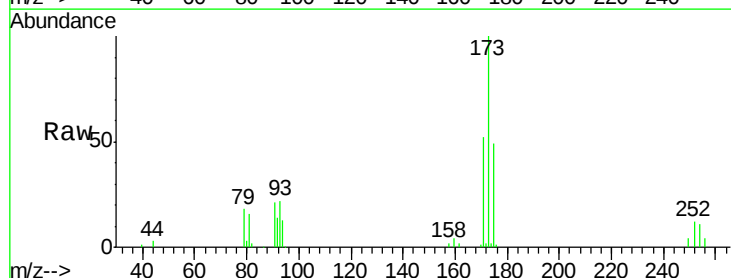
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

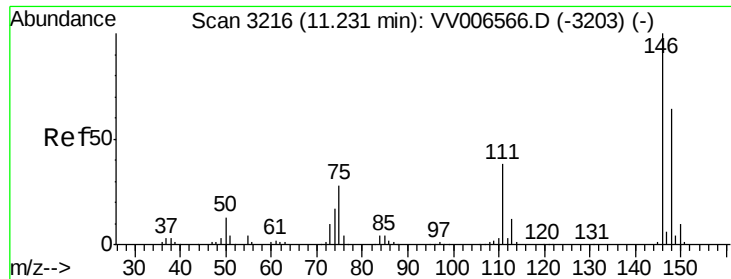
Tgt Ion: 75 Resp: 63298
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 4.635 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion: 173 Resp: 40982
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 11.3 9.6 14.4

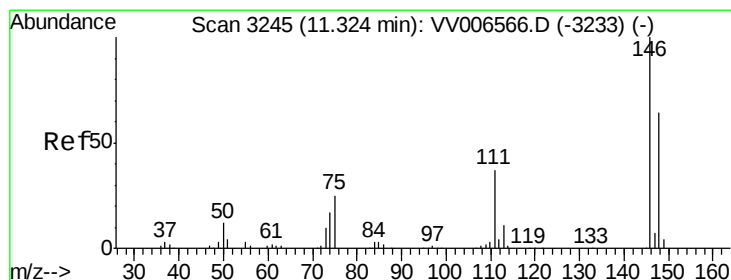
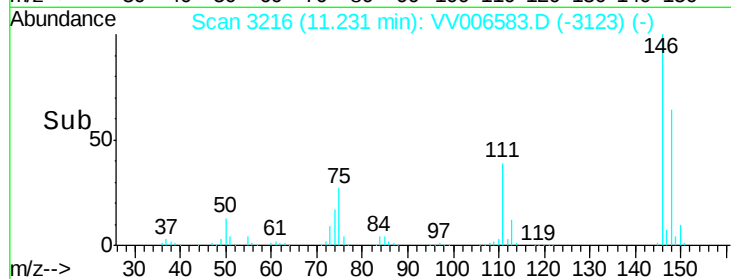
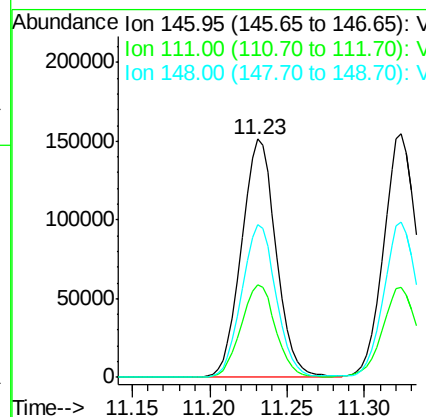
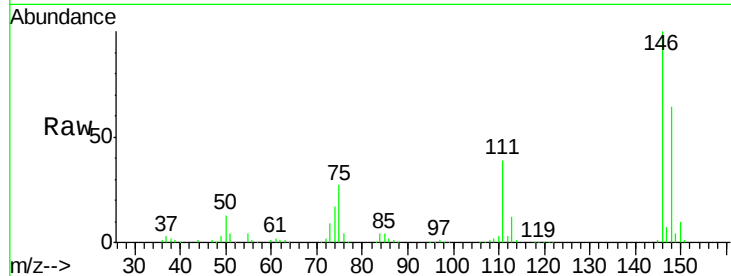




#62
 1,3-Dichlorobenzene
 Concen: 4.835 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

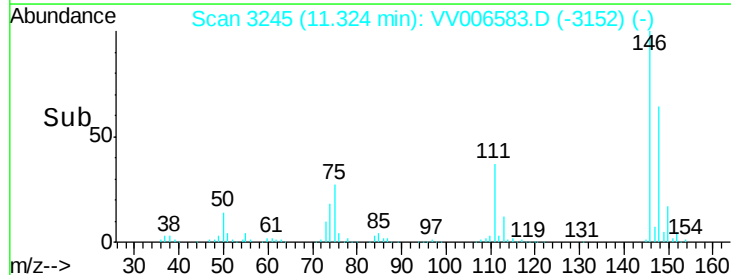
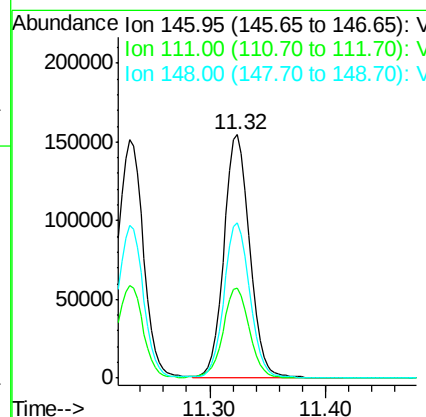
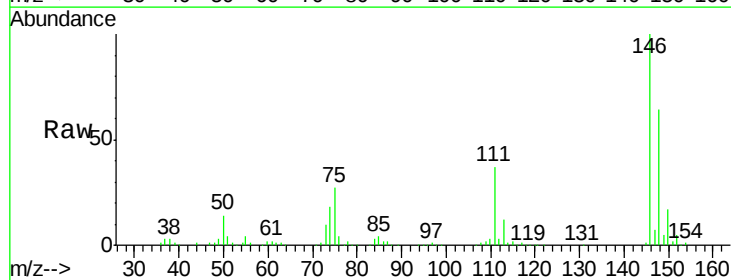
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

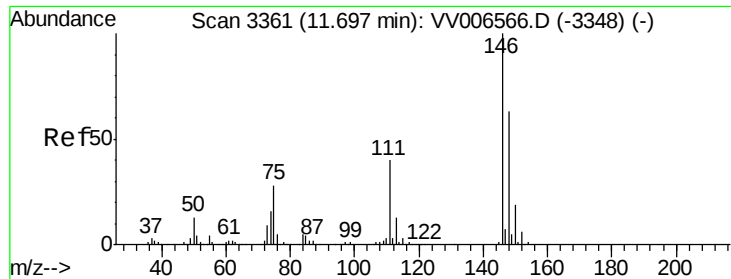
Tgt Ion:146 Resp: 235421
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.9 49.9
 148 64.2 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.818 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion:146 Resp: 238455
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.0 48.4
 148 64.0 44.2 82.0

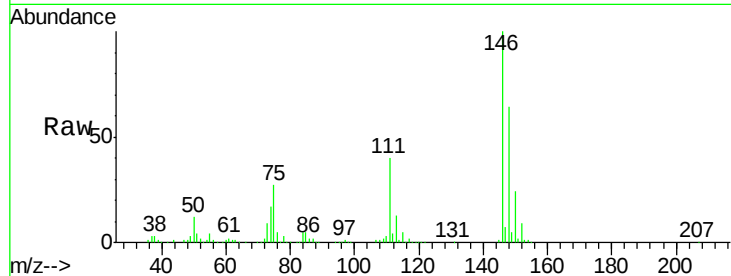




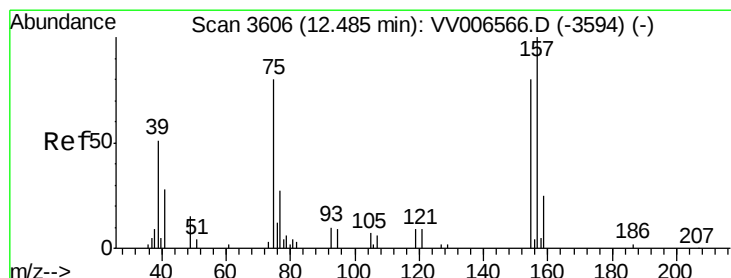
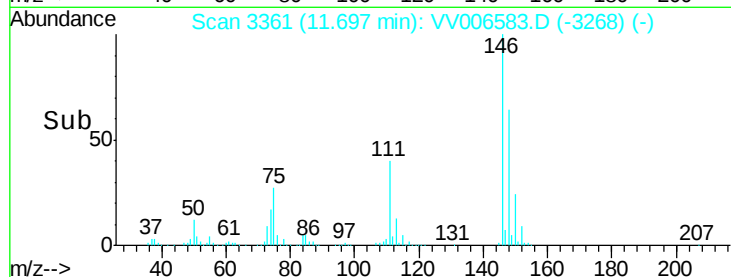
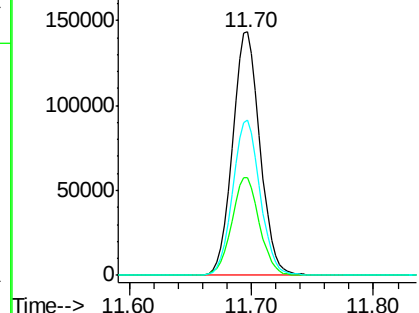
#65
 1,2-Dichlorobenzene
 Concen: 4.782 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:146 Resp: 224908
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.4 48.6
 148 63.5 51.3 76.9

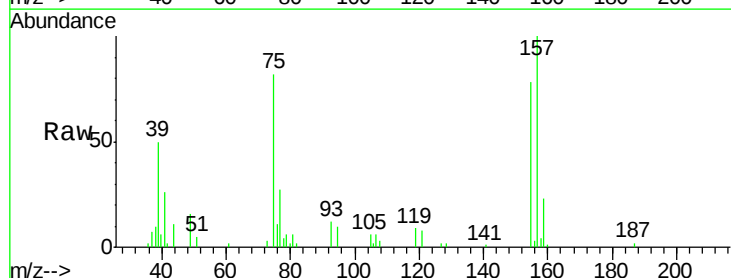


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

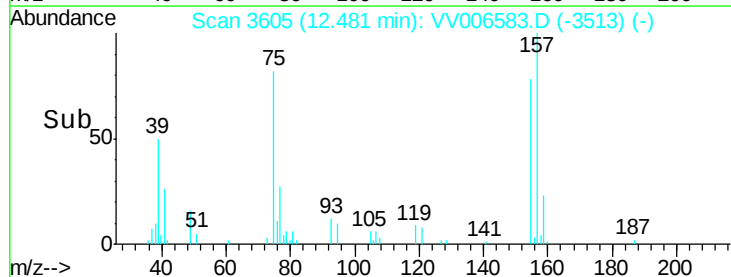
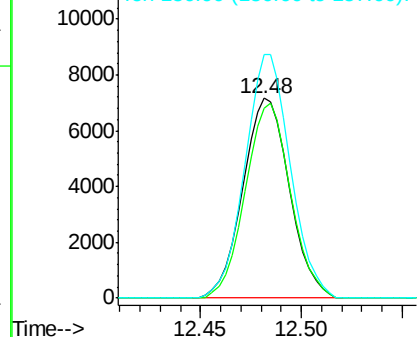


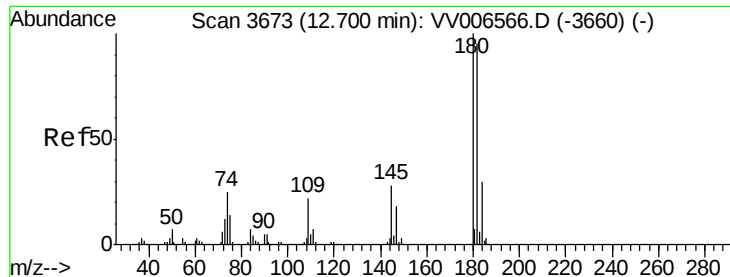
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.607 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion: 75 Resp: 11579
 Ion Ratio Lower Upper
 75 100
 155 95.2 75.4 113.2
 157 121.7 99.6 149.4



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

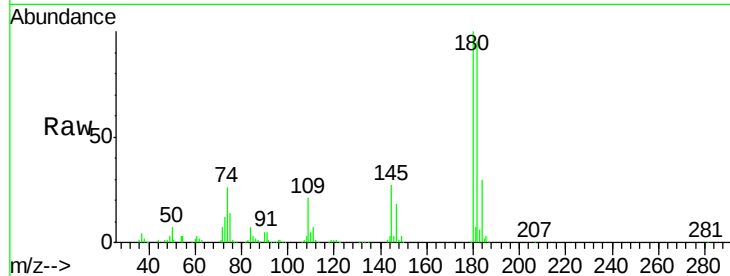




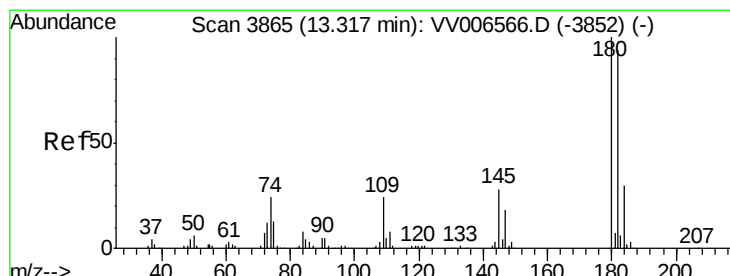
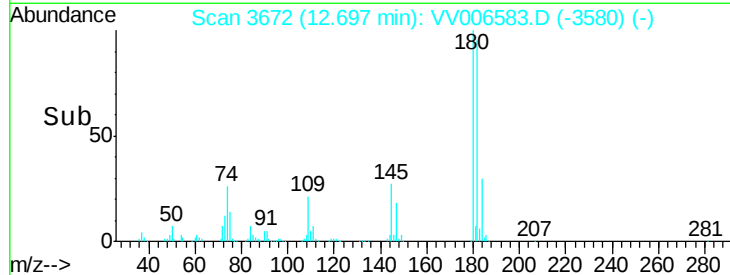
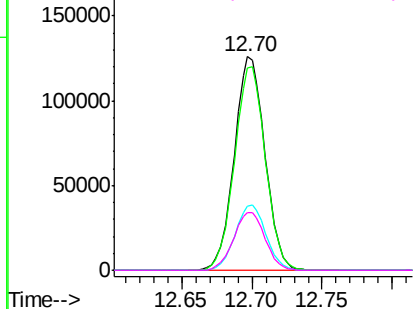
#67
 1,3,5-Trichlorobenzene
 Concen: 4.972 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:180 Resp: 191760
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.1 114.1
 184 30.7 24.1 36.1
 145 27.7 22.3 33.5

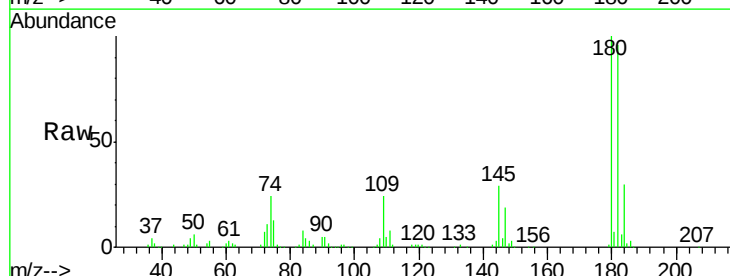


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

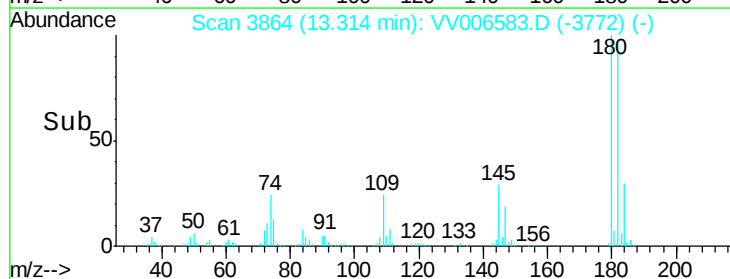
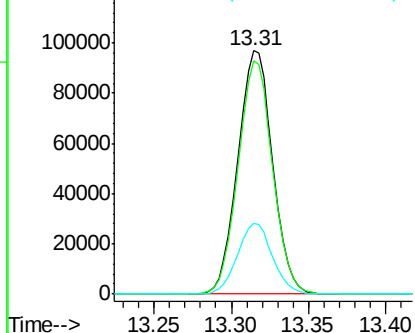


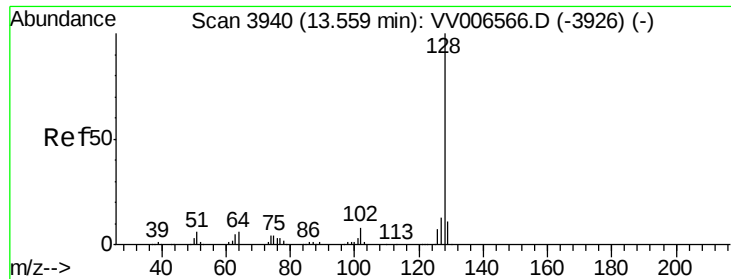
#68
 1,2,4-trichlorobenzene
 Concen: 4.928 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006583.D
 Acq: 12 Jul 2018 10:36

Tgt Ion:180 Resp: 151236
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.5 114.7
 145 29.2 23.0 34.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.595 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

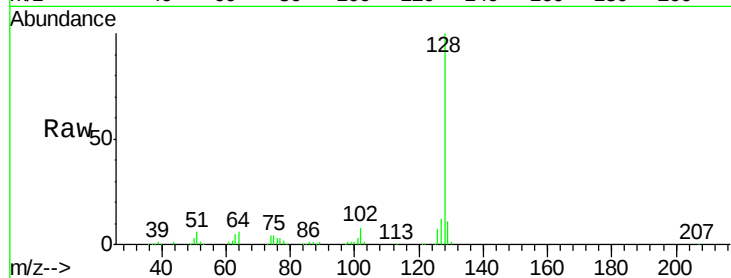
Tgt Ion:128 Resp: 239419

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

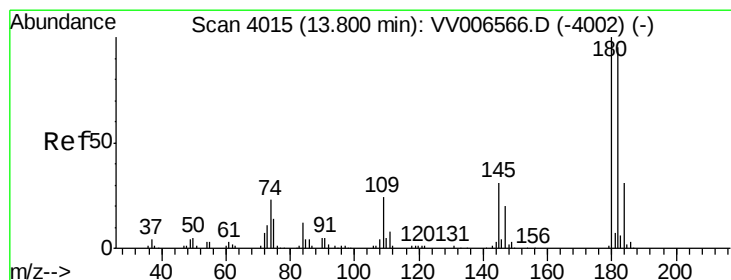
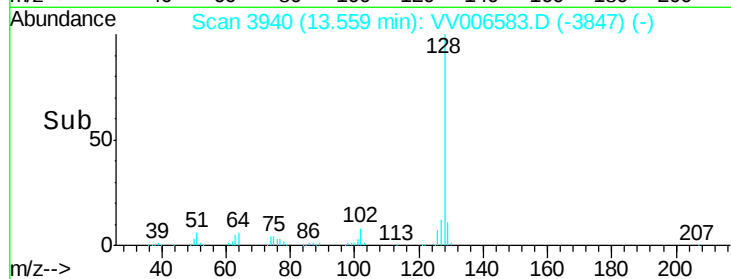
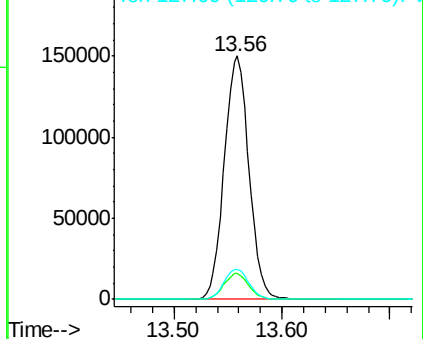
127 12.5 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.913 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006583.D

Acq: 12 Jul 2018 10:36

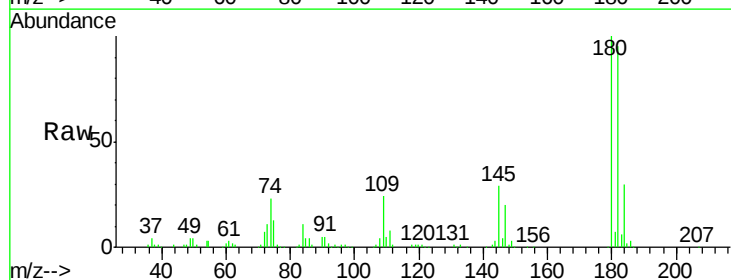
Tgt Ion:180 Resp: 141352

Ion Ratio Lower Upper

180 100

182 95.5 76.3 114.5

145 29.7 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

