

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070918\
 Data File : VV006564.D
 Acq On : 09 Jul 2018 18:19
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Quant Time: Jul 09 22:55:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 22:52:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	347312	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	317050	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	153150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84092	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	74986	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	159828	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	3.95	46	217653	45.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.76%
24) Chloroform-d	4.41	84	176336	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.09	65	79848	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.10	84	349623	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	111724	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.37	98	317213	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.67	79	38472	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.14	63	207626	51.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.36%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	86391	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	129617	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	97706	3.587 ug/L	99
3) Chloromethane	1.27	50	146472	4.396 ug/L	99
5) Vinyl chloride	1.32	62	143527	4.642 ug/L	99
6) Bromomethane	1.53	94	68351	4.769 ug/L	100
8) Chloroethane	1.60	64	84384	4.496 ug/L	100
9) Trichlorofluoromethane	1.77	101	167776	4.822 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104418	4.858 ug/L	100
12) 1,1-Dichloroethene	2.14	96	101849	4.684 ug/L	91
13) Acetone	2.19	43	124318	40.983 ug/L	100
14) Carbon disulfide	2.32	76	302367	4.649 ug/L	100
15) Methyl Acetate	2.46	43	36670	4.107 ug/L	99
16) Methylene chloride	2.54	84	107483	4.384 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	230628	4.477 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	112225	4.730 ug/L	97
19) 1,1-Dichloroethane	3.23	63	193185	4.692 ug/L	99
21) 2-Butanone	4.04	43	212607	42.717 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	119280	4.680 ug/L	96

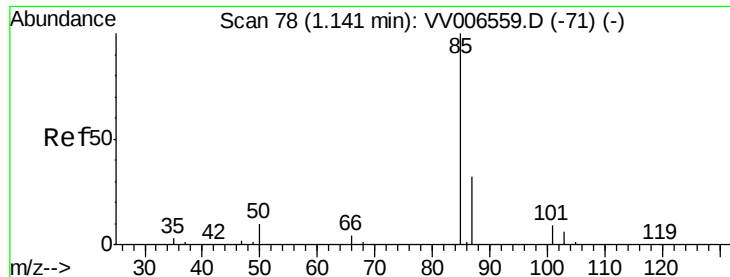
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	49204	4.713	ug/L	99
25) Chloroform	4.43	83	190858	4.660	ug/L	100
27) 1,2-Dichloroethane	5.19	62	104962	4.513	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	158272	4.765	ug/L	99
30) Cyclohexane	4.73	56	171534	4.853	ug/L	99
31) Carbon tetrachloride	4.88	117	133901	4.818	ug/L	99
33) Benzene	5.15	78	449600	4.751	ug/L	100
34) Trichloroethene	5.96	95	113775	4.688	ug/L	99
35) Methylcyclohexane	6.18	83	192547	4.926	ug/L	99
37) 1,2-Dichloropropane	6.23	63	107596	4.649	ug/L	99
38) Bromodichloromethane	6.56	83	118747	4.550	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	147471	4.747	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	510902	43.548	ug/L	100
42) Toluene	7.44	91	476198	4.838	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	112704	4.700	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	73217	4.521	ug/L	98
47) Tetrachloroethene	8.02	164	96626	4.841	ug/L	97
48) 2-Hexanone	8.19	43	363343	43.678	ug/L	99
49) Dibromochloromethane	8.30	129	76455	4.527	ug/L	98
50) 1,2-Dibromoethane	8.40	107	66107	4.484	ug/L	97
51) Chlorobenzene	8.93	112	306554	4.761	ug/L	100
52) Ethylbenzene	9.06	91	516550	4.939	ug/L	99
53) m,p-xylene	9.19	106	200170	4.968	ug/L	98
54) o-xylene	9.59	106	194065	4.921	ug/L	99
55) Styrene	9.61	104	327882	4.944	ug/L	100
56) Isopropylbenzene	9.98	105	509752	5.040	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86306	4.517	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	61469	4.463	ug/L	99
61) Bromoform	9.78	173	39148	4.462	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	231267	4.788	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	234616	4.778	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	220962	4.735	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10604	4.253	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	184048	4.810	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	143518	4.714	ug/L	100
69) Naphthalene	13.56	128	229374	4.437	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	133790	4.687	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.587 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

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ClientSampleId :

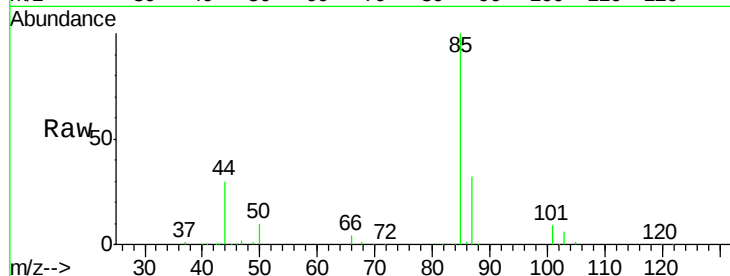
VSTD00568

Tgt Ion: 85 Resp: 97706

Ion Ratio Lower Upper

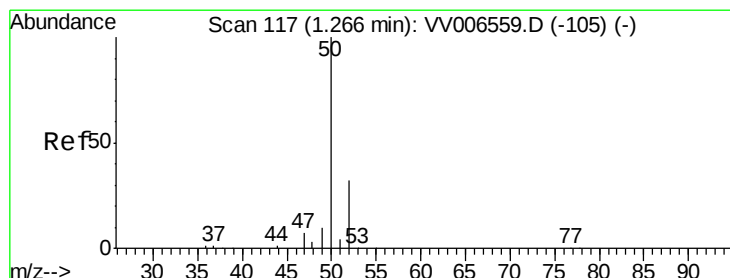
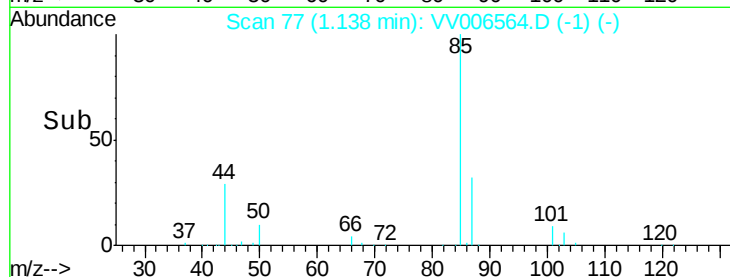
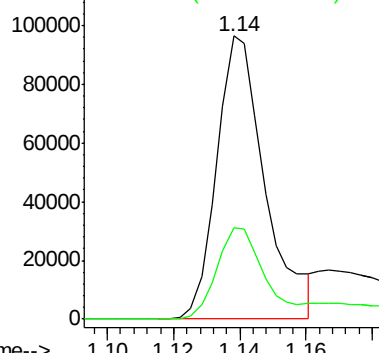
85 100

87 32.5 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: 4.396 ug/L

RT: 1.27 min Scan# 117

Delta R.T. 0.00 min

Lab File: VV006564.D

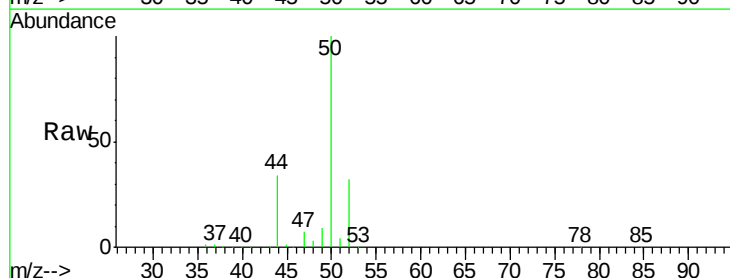
Acq: 09 Jul 2018 18:19

Tgt Ion: 50 Resp: 146472

Ion Ratio Lower Upper

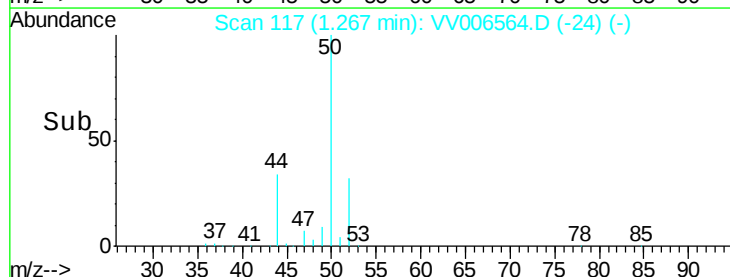
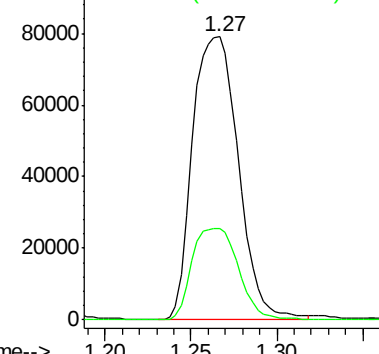
50 100

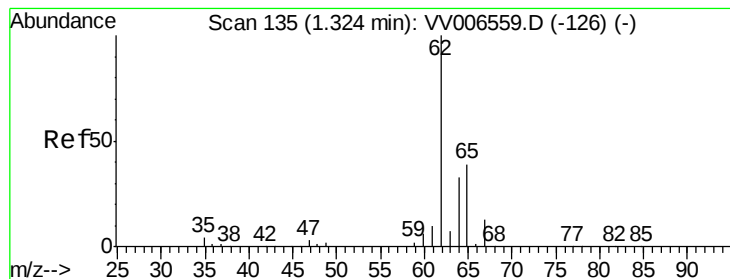
52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.642 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

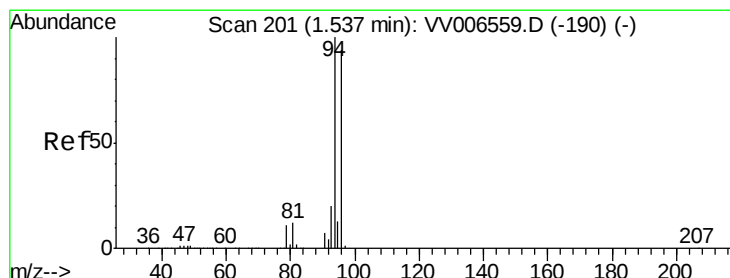
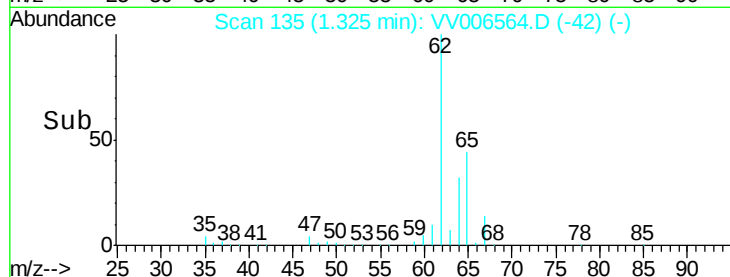
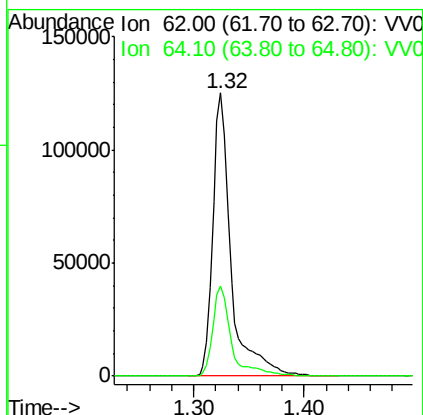
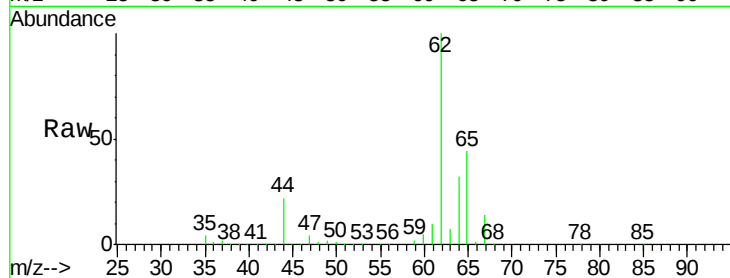
VSTD00568

Tgt Ion: 62 Resp: 143527

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 4.769 ug/L

RT: 1.53 min Scan# 198

Delta R.T. -0.01 min

Lab File: VV006564.D

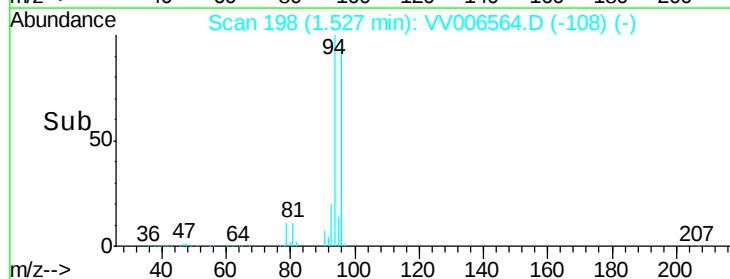
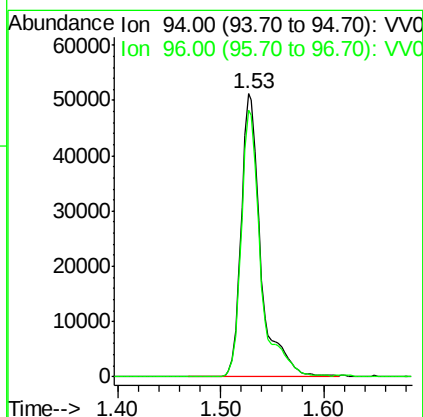
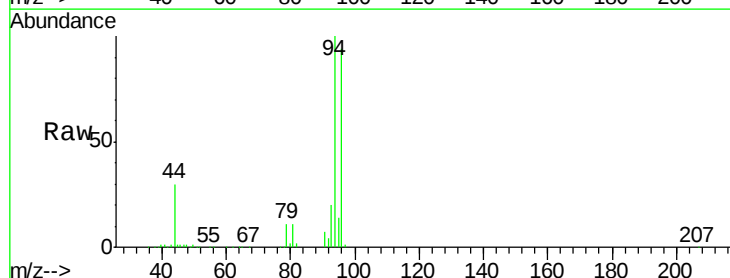
Acq: 09 Jul 2018 18:19

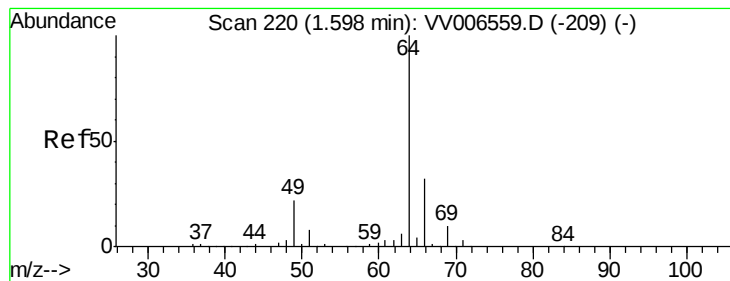
Tgt Ion: 94 Resp: 68351

Ion Ratio Lower Upper

94 100

96 94.3 65.7 122.1





#8

Chloroethane

Concen: 4.496 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

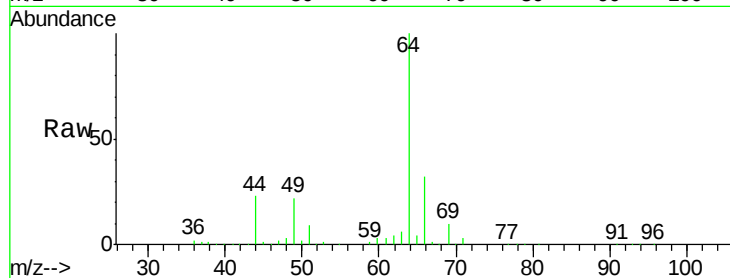
VSTD00568

Tgt Ion: 64 Resp: 84384

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006559.D (-209) (-)

Ion 66.05 (65.75 to 66.75): VV006559.D (-209) (-)

1.60

80000

60000

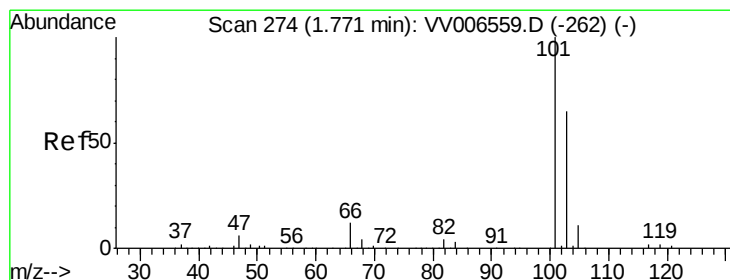
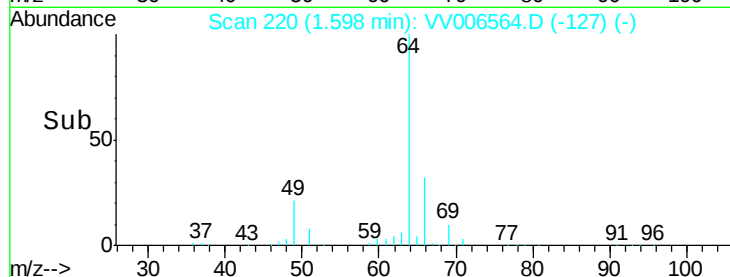
40000

20000

0

Time-->

1.50 1.60 1.70



#9

Trichlorofluoromethane

Concen: 4.822 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006564.D

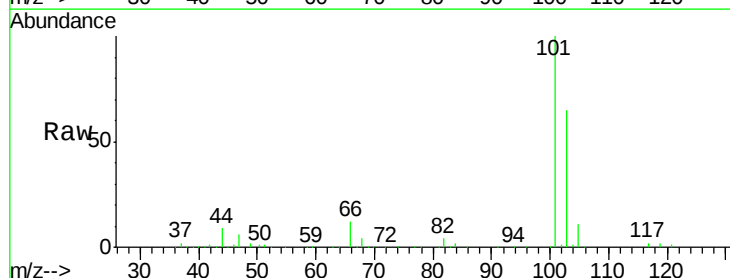
Acq: 09 Jul 2018 18:19

Tgt Ion: 101 Resp: 167776

Ion Ratio Lower Upper

101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006559.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006559.D (-262) (-)

1.77

150000

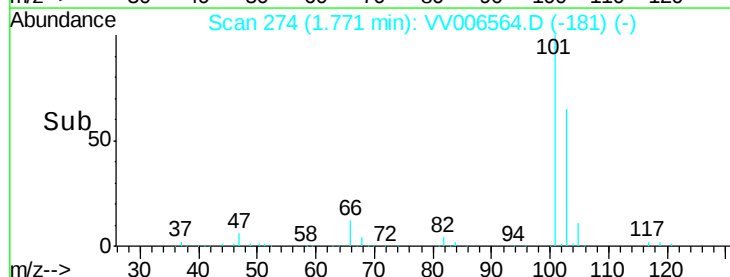
100000

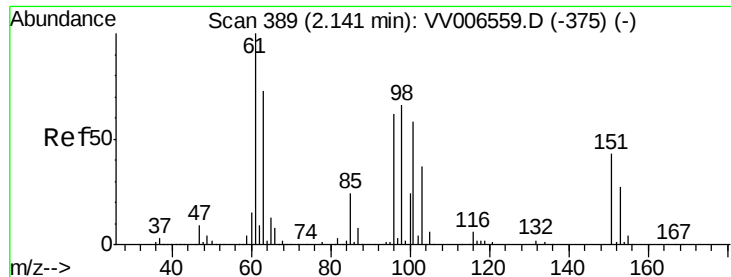
50000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 4.858 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

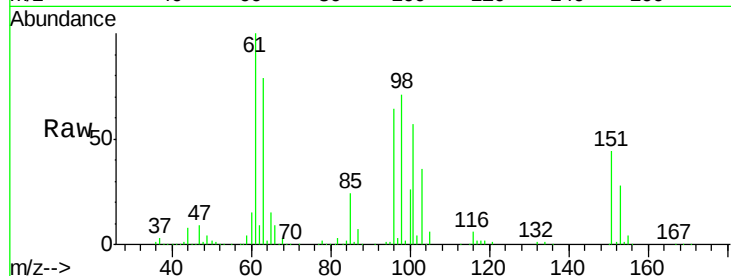
Tgt Ion: 101 Resp: 104418

Ion Ratio Lower Upper

101 100

85 41.1 33.1 49.7

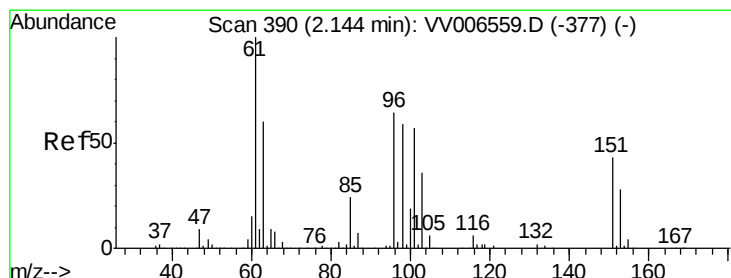
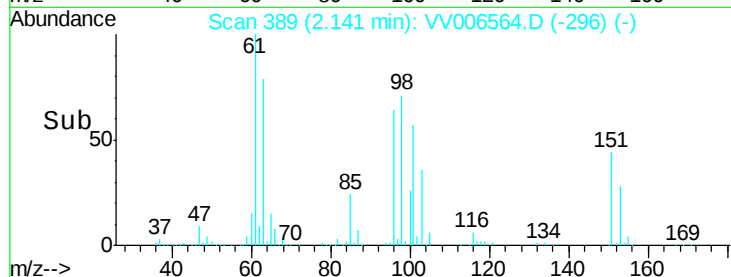
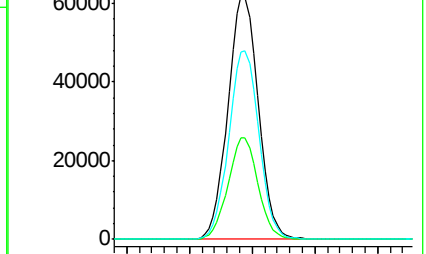
151 76.8 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006559.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006559.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006559.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.684 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

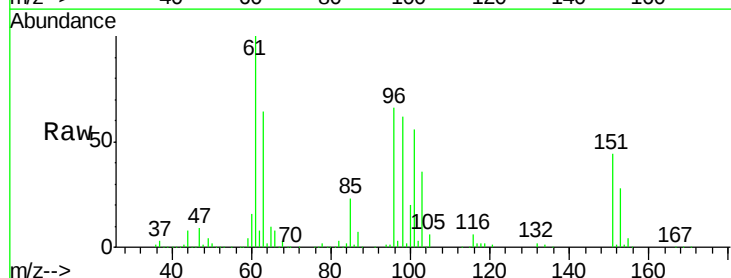
Tgt Ion: 96 Resp: 101849

Ion Ratio Lower Upper

96 100

61 152.1 110.7 205.7

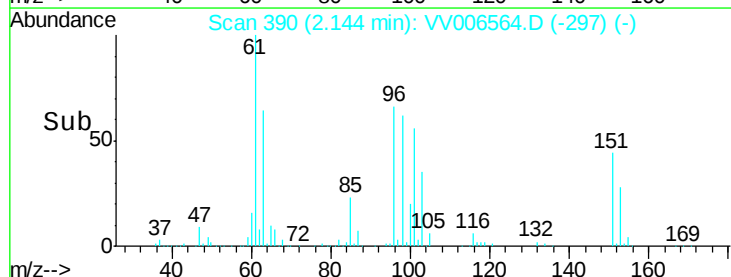
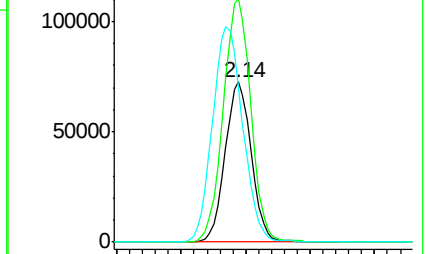
63 96.9 79.0 146.8

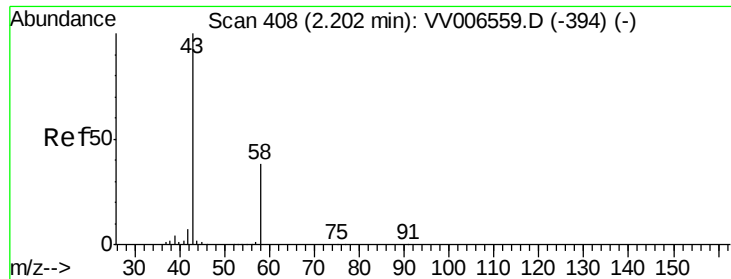


Abundance Ion 96.00 (95.70 to 96.70): VV006559.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006559.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006559.D (-377) (-)





#13

Acetone

Concen: 40.983 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.01 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

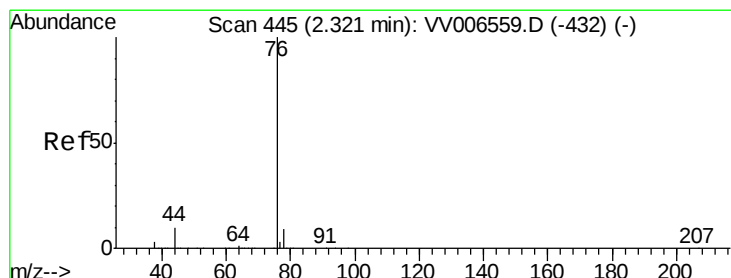
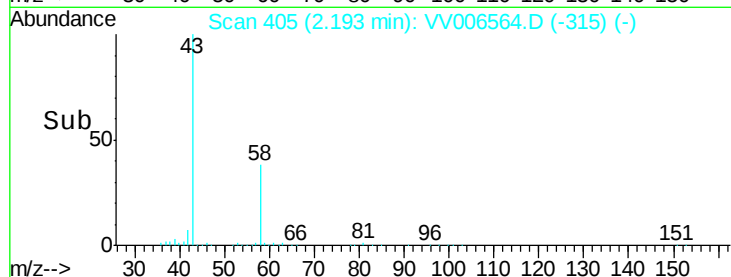
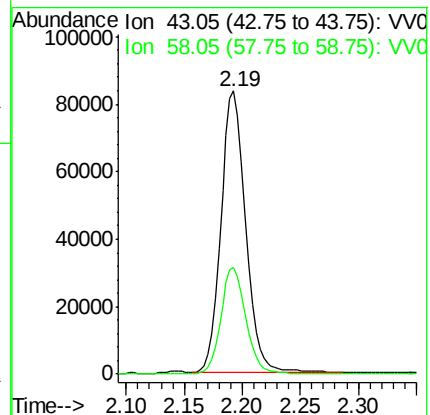
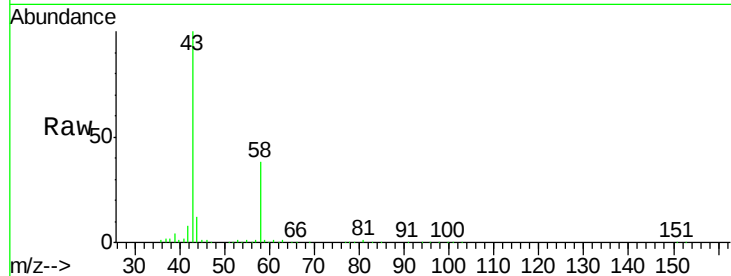
VSTD00568

Tgt Ion: 43 Resp: 124318

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.2



#14

Carbon disulfide

Concen: 4.649 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006564.D

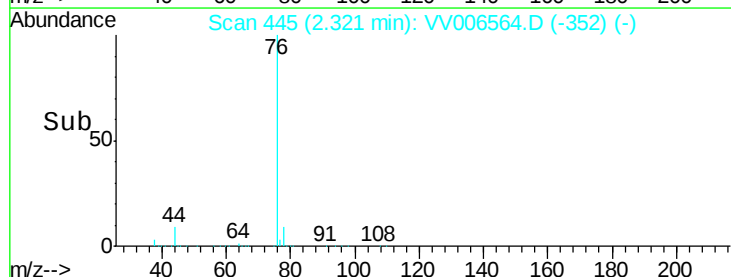
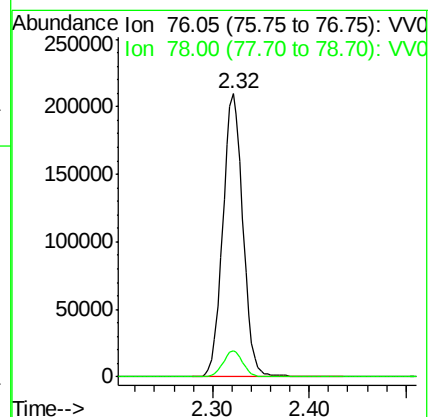
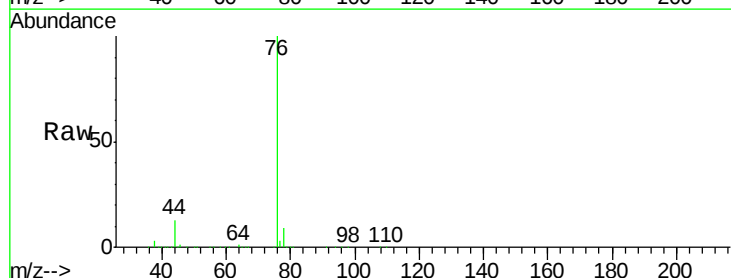
Acq: 09 Jul 2018 18:19

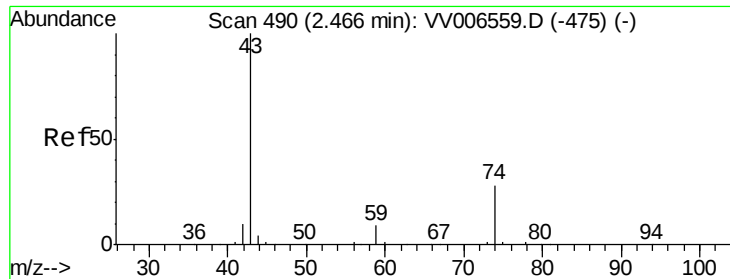
Tgt Ion: 76 Resp: 302367

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 4.107 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

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ClientSampleId :

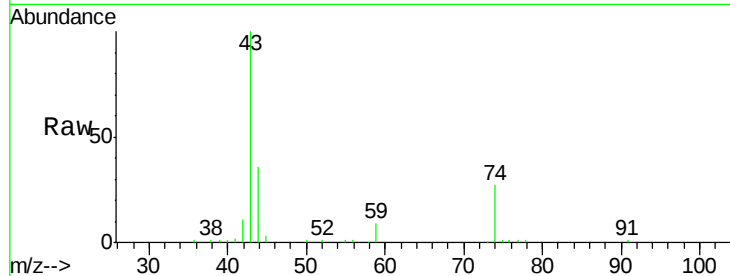
VSTD00568

Tgt Ion: 43 Resp: 36670

Ion Ratio Lower Upper

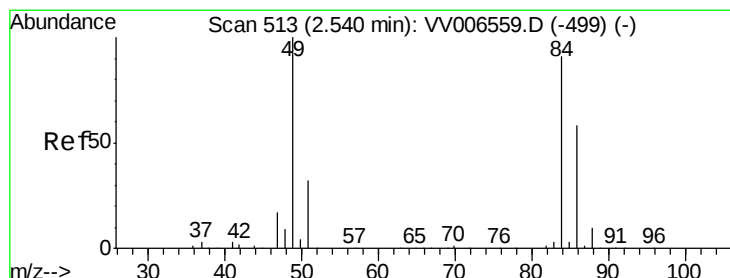
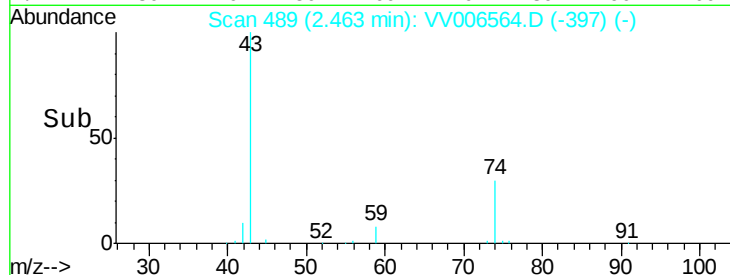
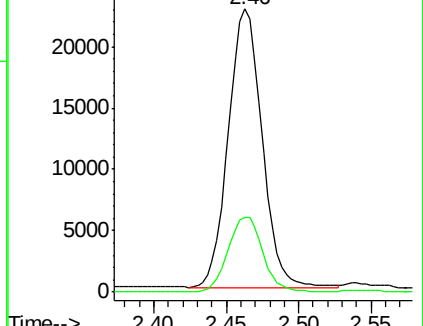
43 100

74 27.6 21.8 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV006559.D (-475) (-)

Ion 74.05 (73.75 to 74.75): VV006559.D (-475) (-)



#16

Methylene chloride

Concen: 4.384 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

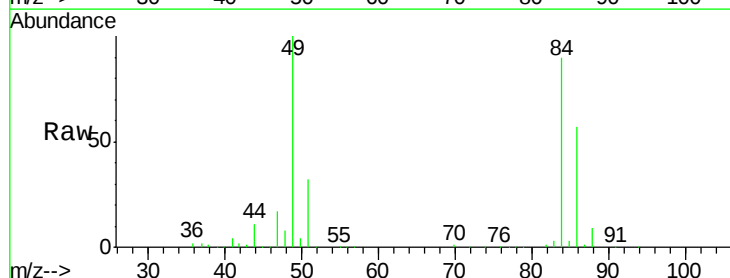
Tgt Ion: 84 Resp: 107483

Ion Ratio Lower Upper

84 100

86 63.2 44.7 82.9

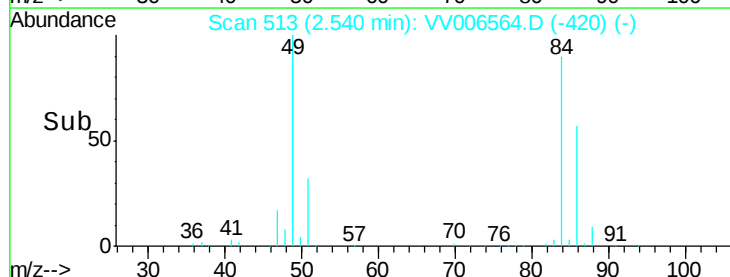
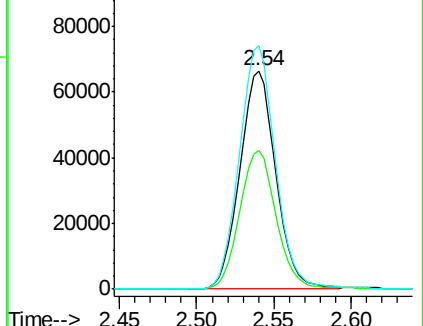
49 111.4 78.7 146.1

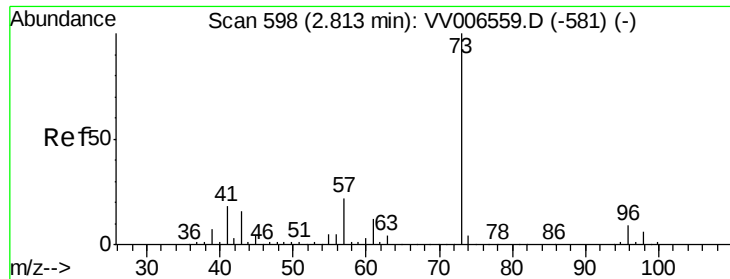


Abundance Ion 84.05 (83.75 to 84.75): VV006559.D (-499) (-)

Ion 86.00 (85.70 to 86.70): VV006559.D (-499) (-)

Ion 49.10 (48.80 to 49.80): VV006559.D (-499) (-)

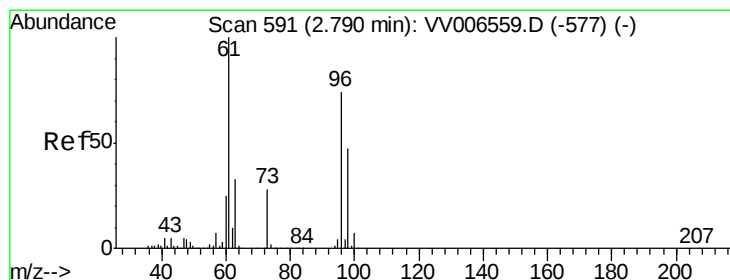
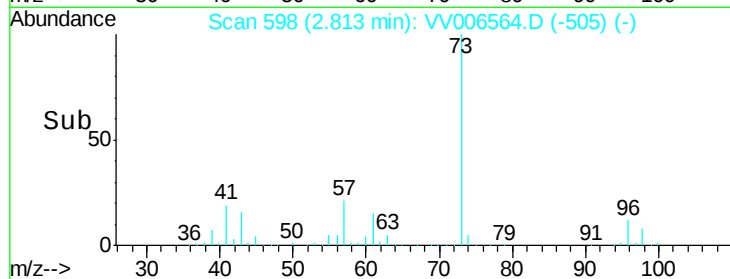
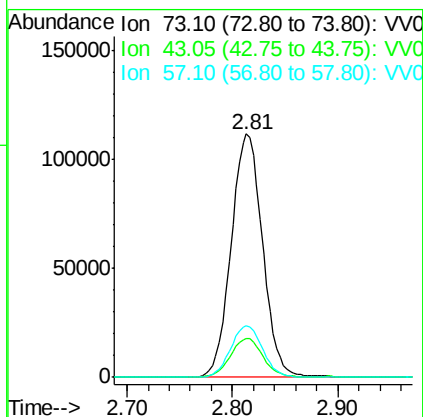
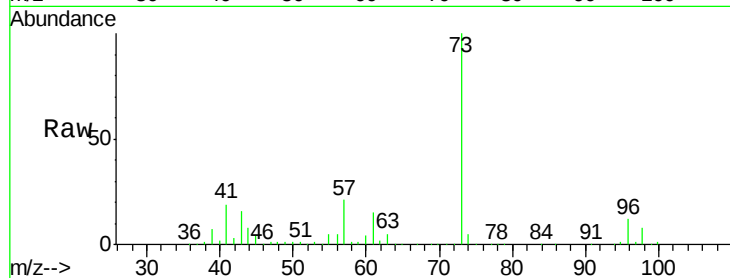




#17
Methyl tert-butyl Ether
Concen: 4.477 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

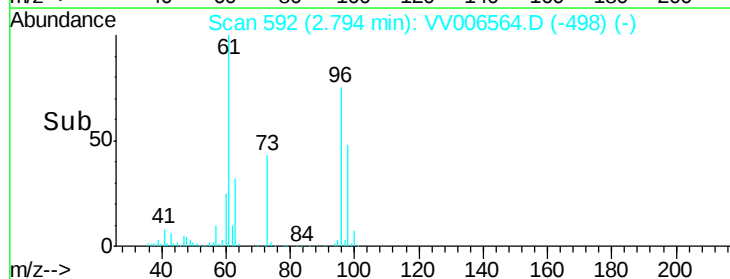
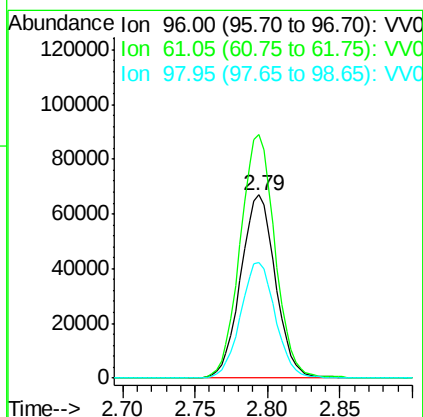
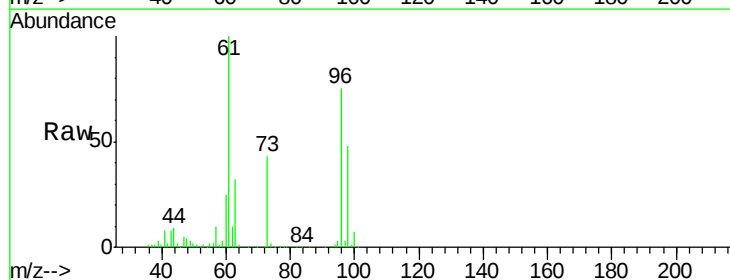
Instrument :
MSVOA_V
ClientSampled :
VSTD00568

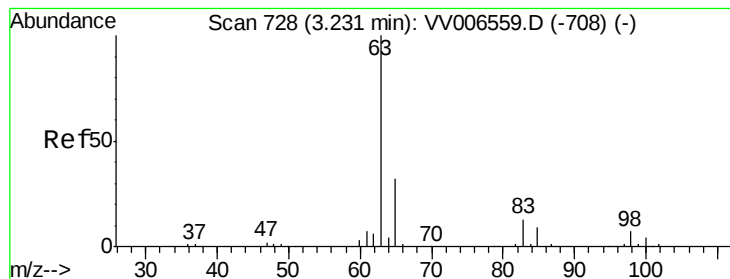
Tgt Ion: 73 Resp: 230628
Ion Ratio Lower Upper
73 100
43 16.1 12.5 18.7
57 21.9 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 4.730 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

Tgt Ion: 96 Resp: 112225
Ion Ratio Lower Upper
96 100
61 133.2 96.5 179.3
98 63.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 4.692 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

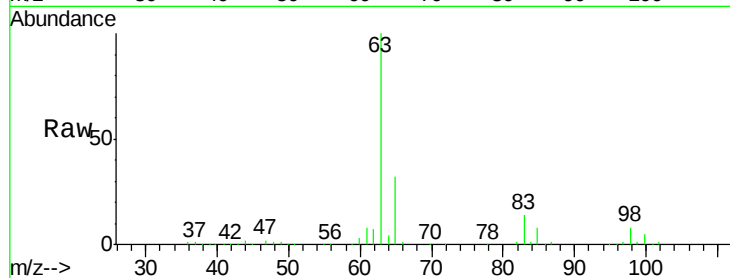
Tgt Ion: 63 Resp: 193185

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

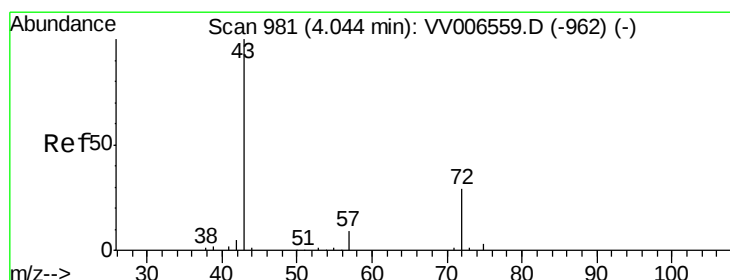
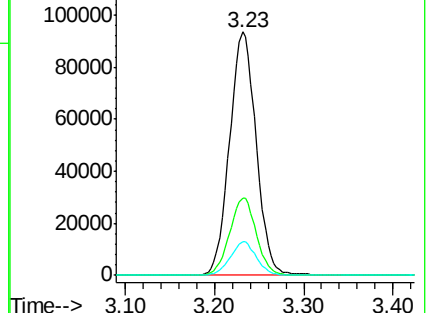
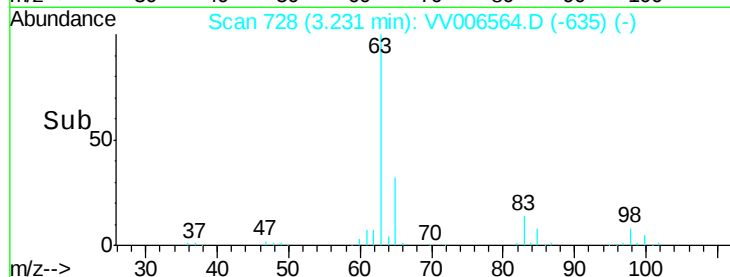
83 13.7 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV006559.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VV006559.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VV006559.D (-708) (-)



#21

2-Butanone

Concen: 42.717 ug/L

RT: 4.04 min Scan# 979

Delta R.T. -0.01 min

Lab File: VV006564.D

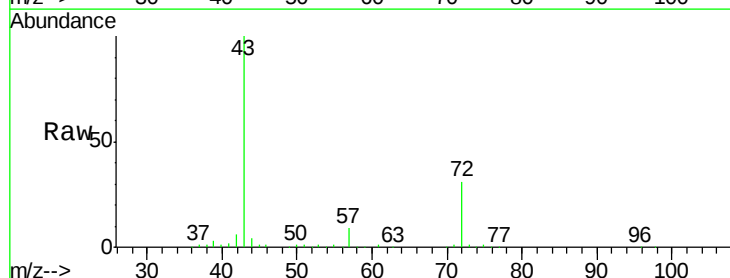
Acq: 09 Jul 2018 18:19

Tgt Ion: 43 Resp: 212607

Ion Ratio Lower Upper

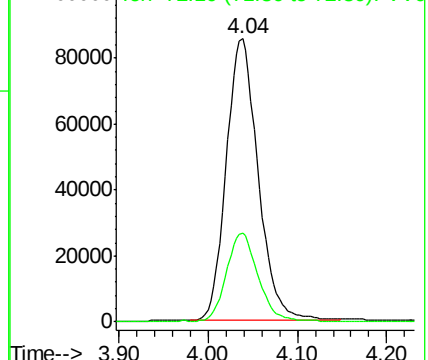
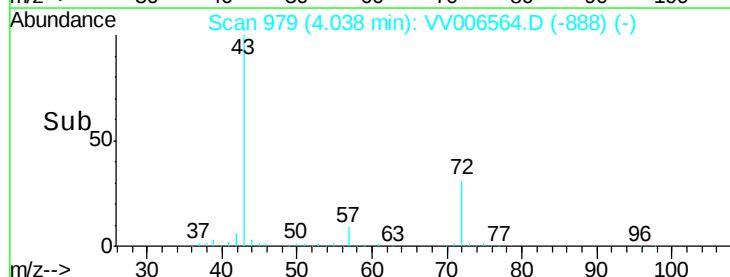
43 100

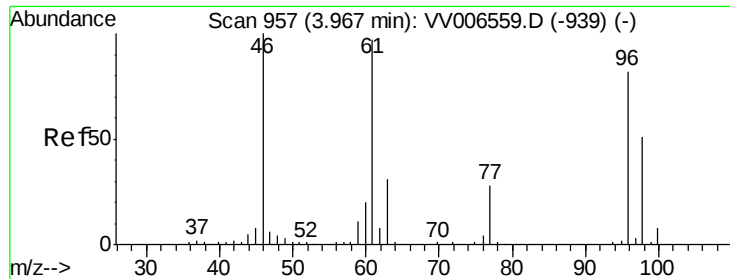
72 30.4 15.1 45.3



Abundance Ion 43.05 (42.75 to 43.75): VV006559.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VV006559.D (-962) (-)

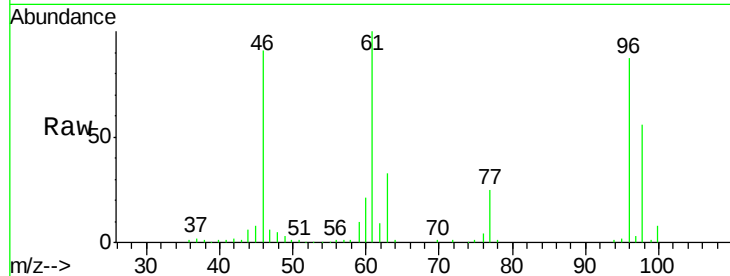




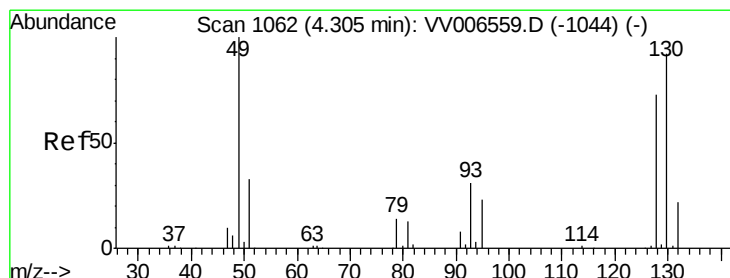
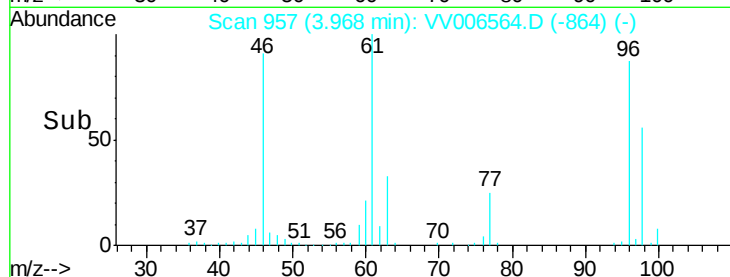
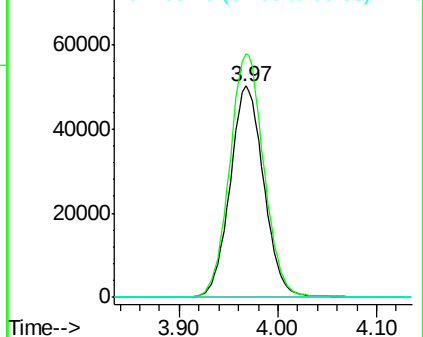
#22
 cis-1,2-Dichloroethene
 Concen: 4.680 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 96 Resp: 119280
 Ion Ratio Lower Upper
 96 100
 61 115.3 83.8 155.6
 68 0.0 0.0 0.0

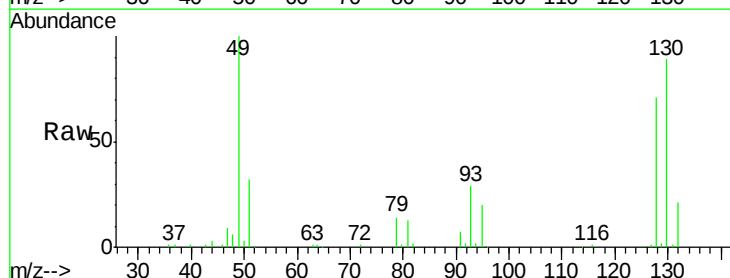


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

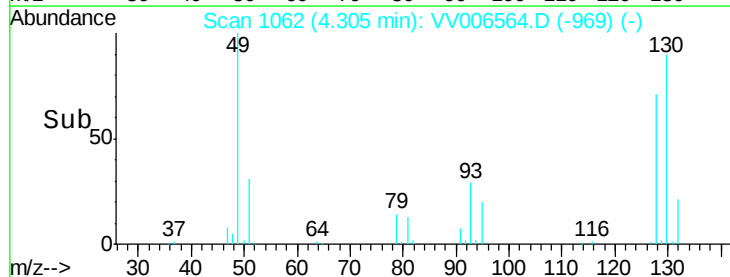
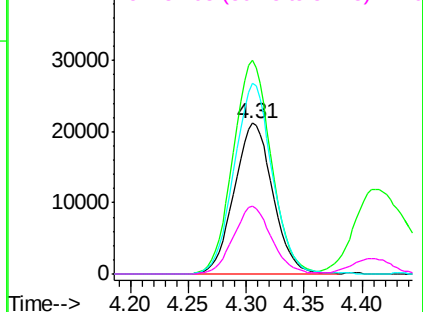


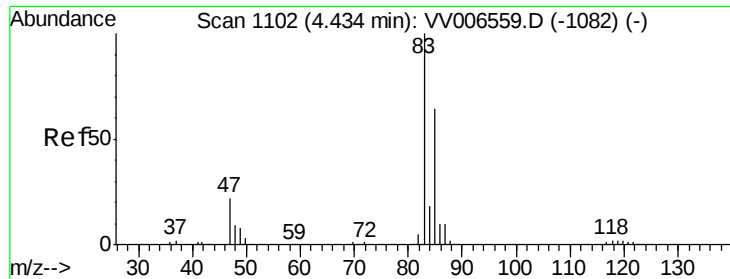
#23
 Bromochloromethane
 Concen: 4.713 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion: 128 Resp: 49204
 Ion Ratio Lower Upper
 128 100
 49 141.7 98.8 183.4
 130 126.6 89.5 166.1
 51 44.8 36.2 54.2



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

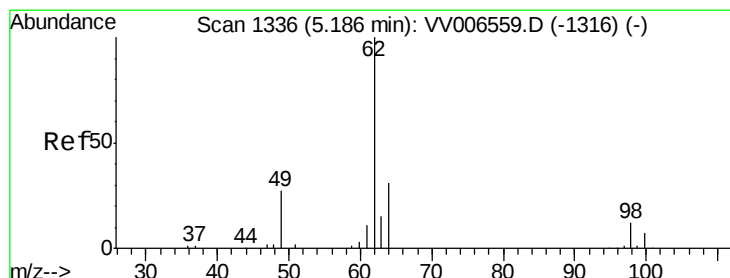
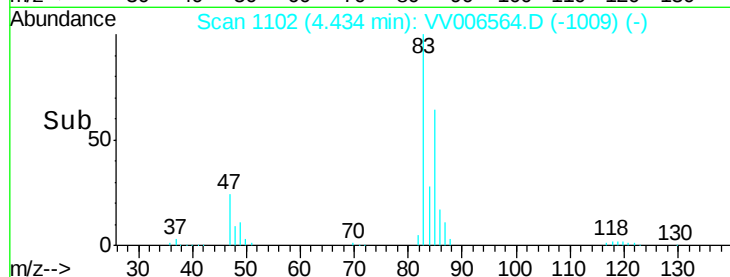
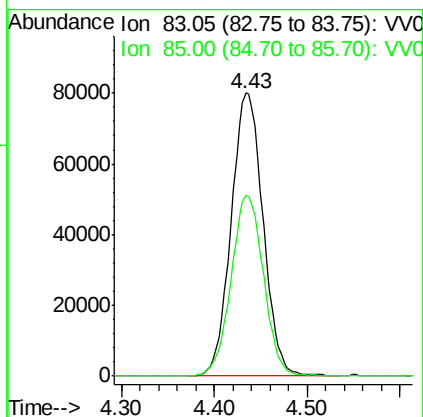
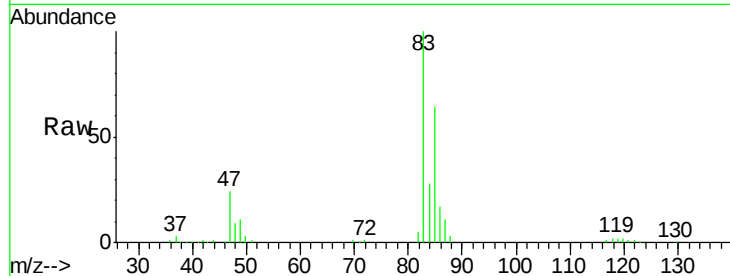




#25
Chloroform
Concen: 4.660 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

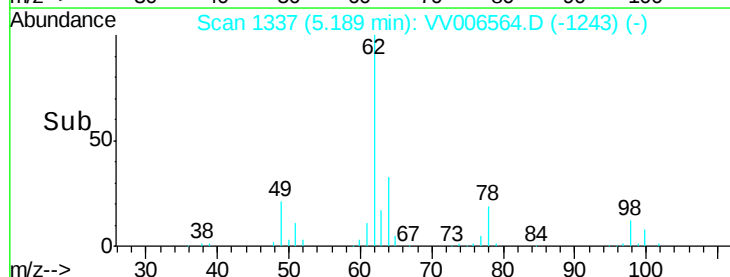
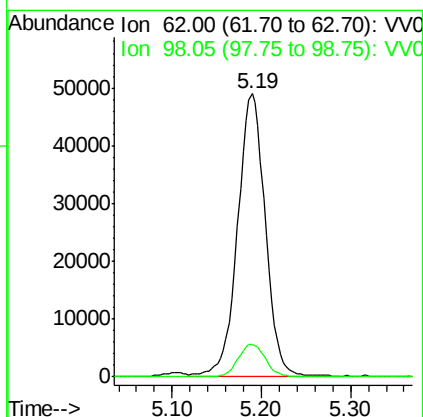
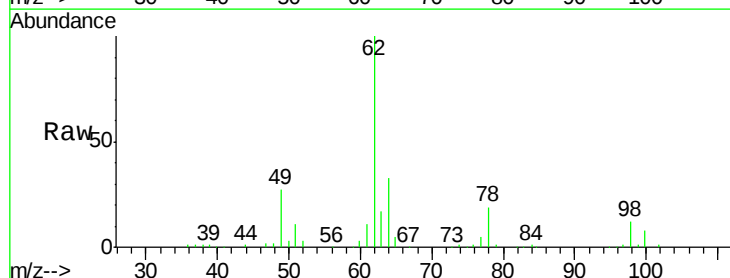
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

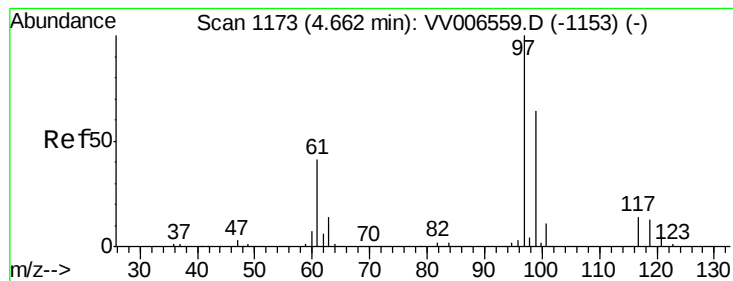
Tgt Ion: 83 Resp: 190858
Ion Ratio Lower Upper
83 100
85 63.8 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.513 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

Tgt Ion: 62 Resp: 104962
Ion Ratio Lower Upper
62 100
98 11.5 9.5 14.3





#29

1,1,1-Trichloroethane

Concen: 4.765 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

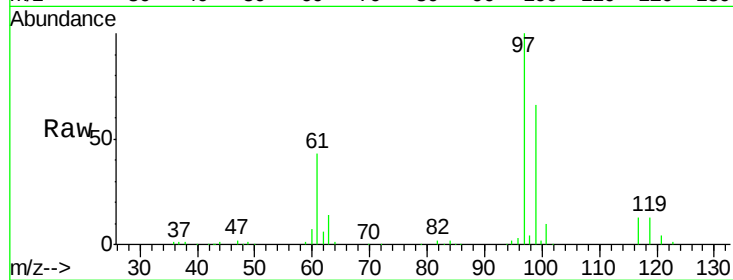
Tgt Ion: 97 Resp: 158272

Ion Ratio Lower Upper

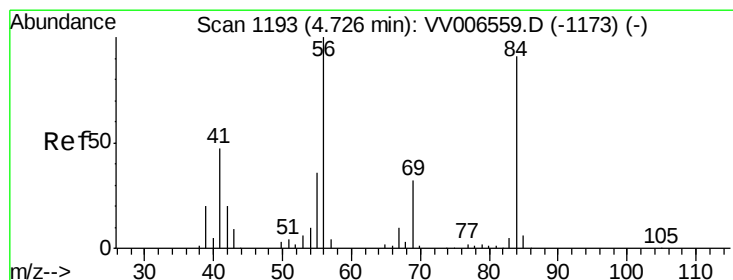
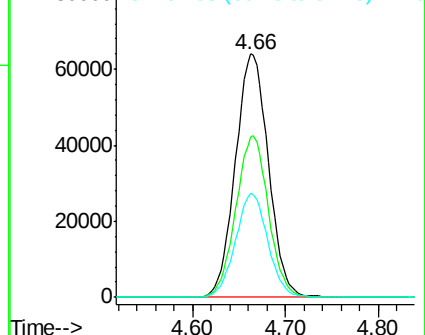
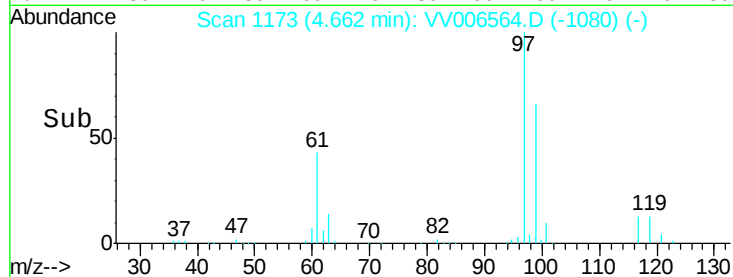
97 100

99 65.1 51.2 76.8

61 42.0 33.7 50.5



Abundance Ion 96.95 (96.65 to 97.65): VV006564.D (-1080) (-)



#30

Cyclohexane

Concen: 4.853 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

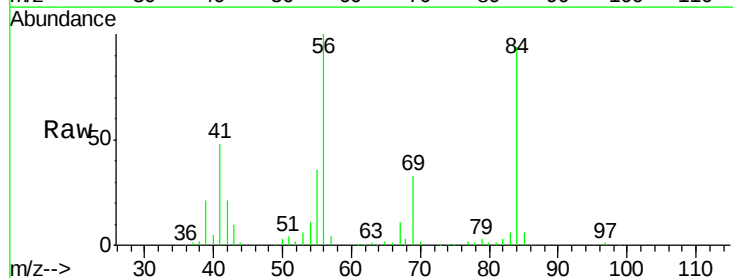
Tgt Ion: 56 Resp: 171534

Ion Ratio Lower Upper

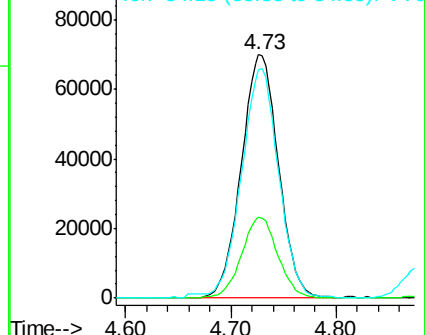
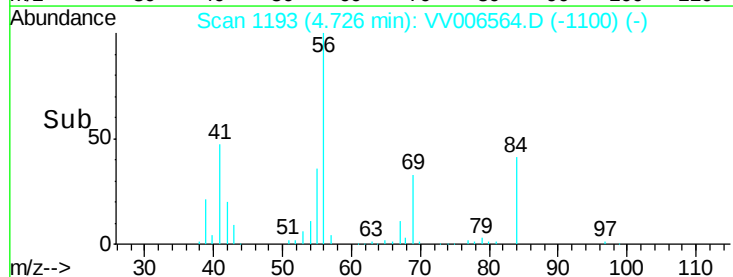
56 100

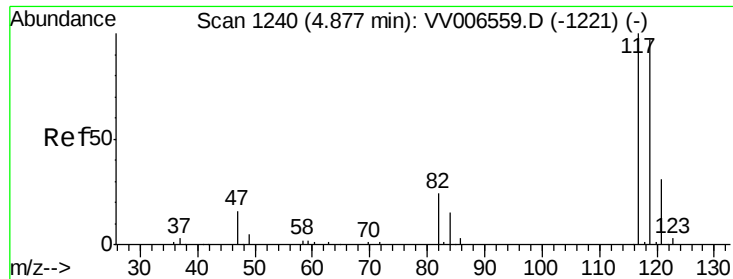
69 32.4 25.5 38.3

84 93.0 74.7 112.1



Abundance Ion 56.10 (55.80 to 56.80): VV006564.D (-1100) (-)





#31

Carbon tetrachloride

Concen: 4.818 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

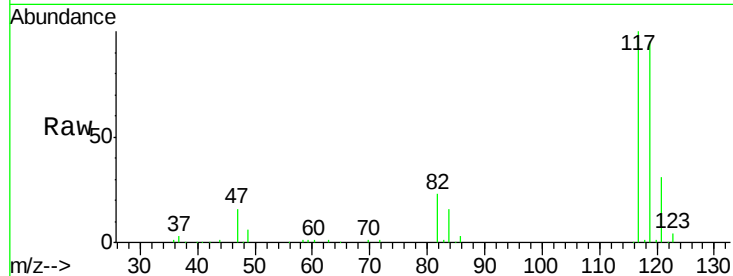
VSTD00568

Tgt Ion:117 Resp: 133901

Ion Ratio Lower Upper

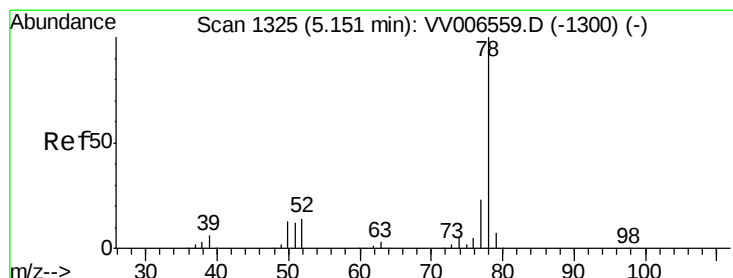
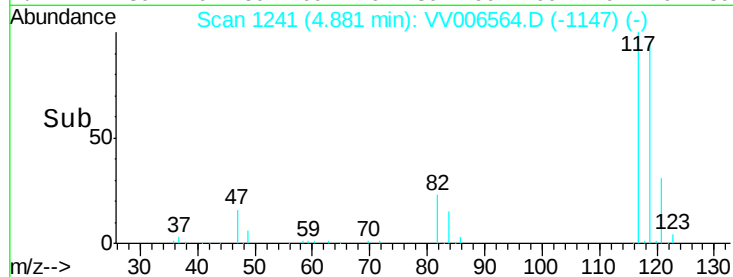
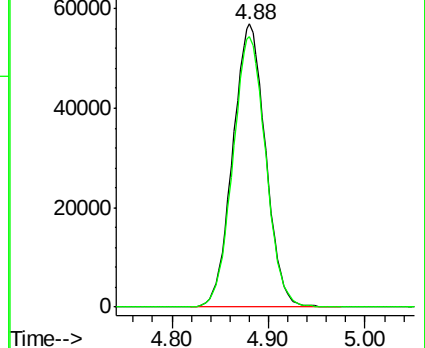
117 100

119 95.8 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: 4.751 ug/L

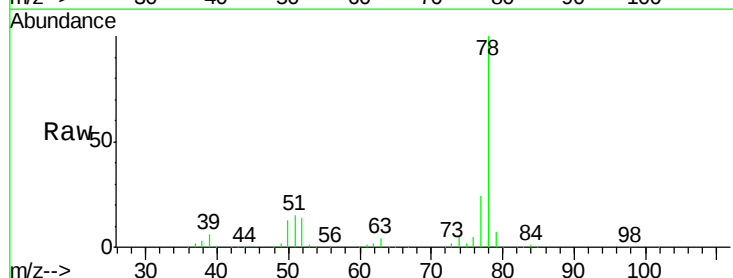
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

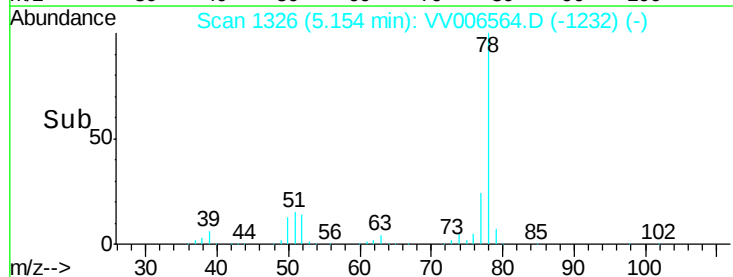
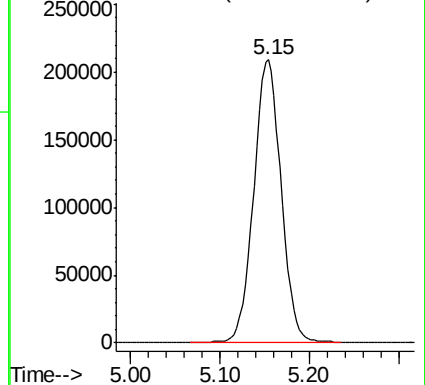
Lab File: VV006564.D

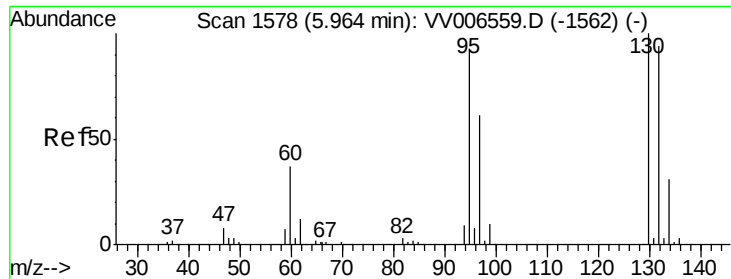
Acq: 09 Jul 2018 18:19

Tgt Ion: 78 Resp: 449600



Abundance Ion 78.10 (77.80 to 78.80): VV0

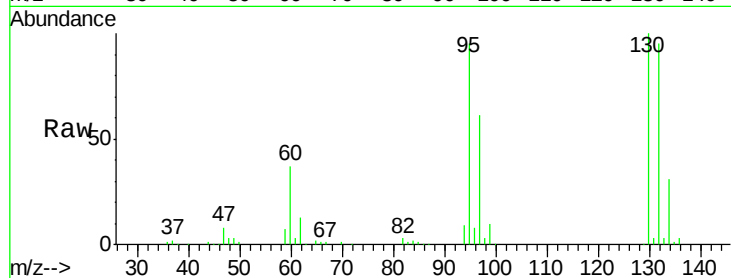




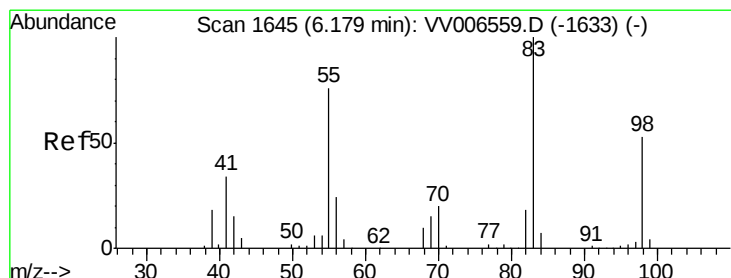
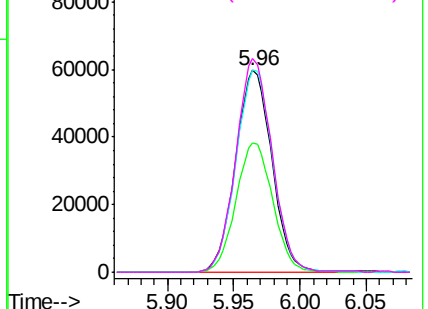
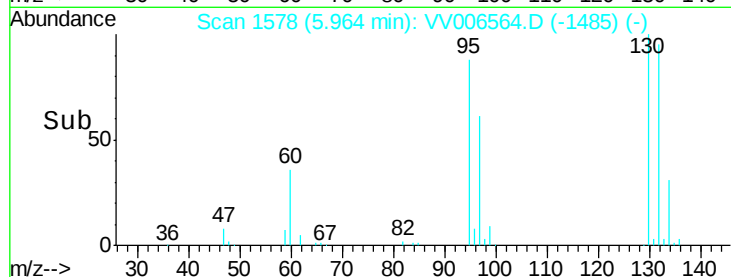
#34
 Trichloroethene
 Concen: 4.688 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 95 Resp: 113775
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.3 82.3
 132 100.3 70.0 130.0
 130 105.7 72.7 134.9

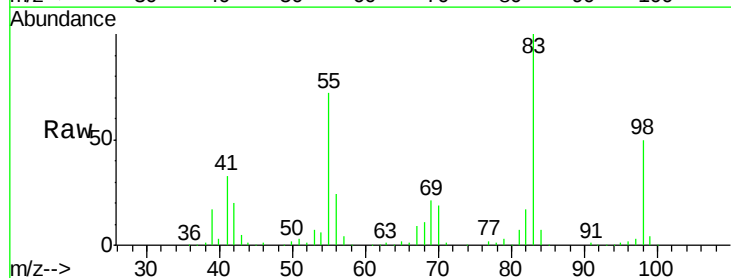


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

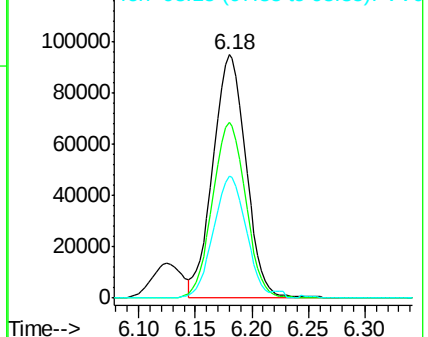
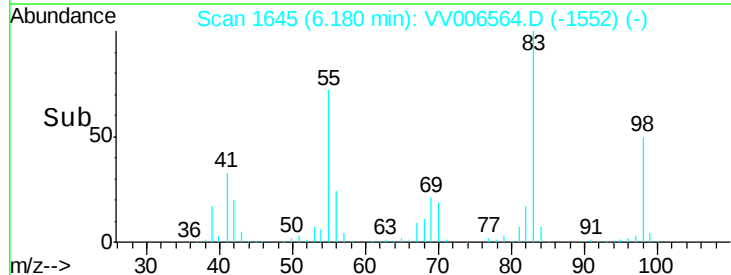


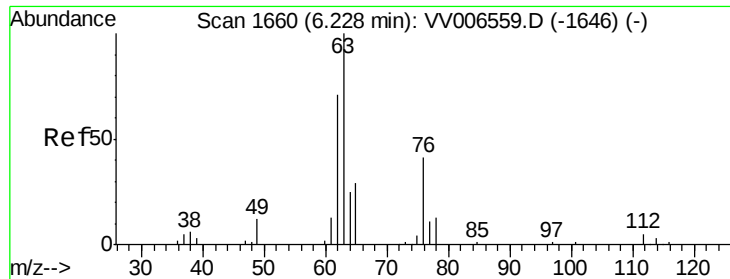
#35
 Methylcyclohexane
 Concen: 4.926 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion: 83 Resp: 192547
 Ion Ratio Lower Upper
 83 100
 55 72.9 58.3 87.5
 98 50.0 39.3 58.9



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

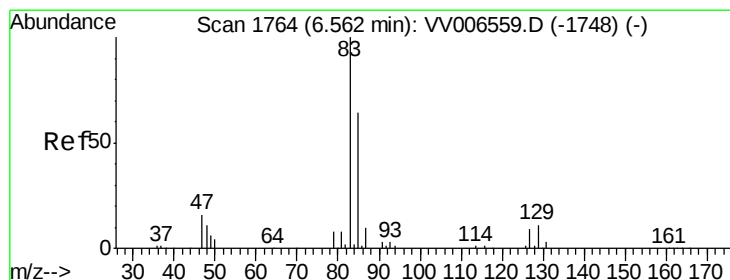
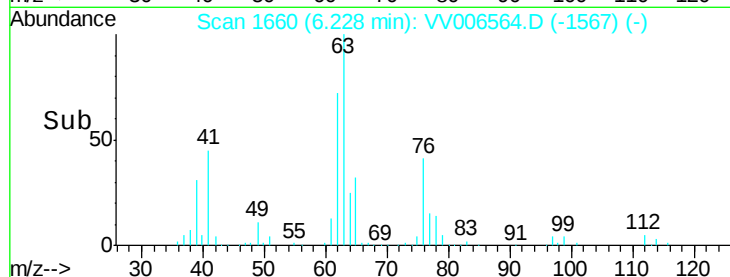
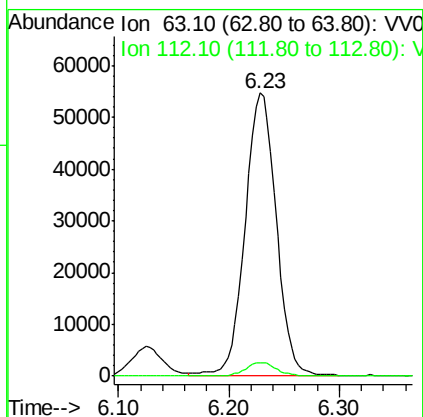
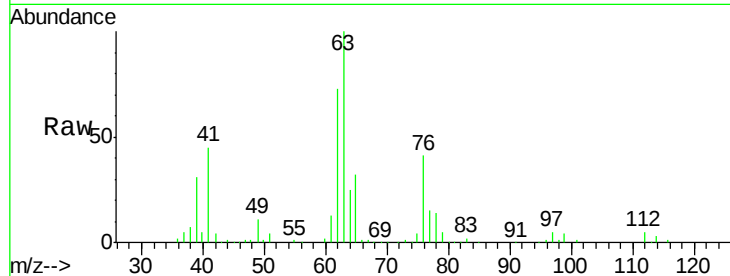




#37
 1,2-Dichloropropane
 Concen: 4.649 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

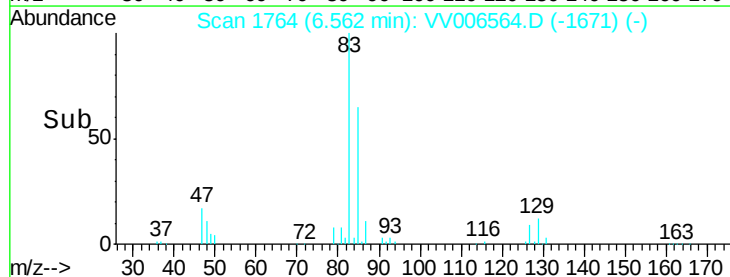
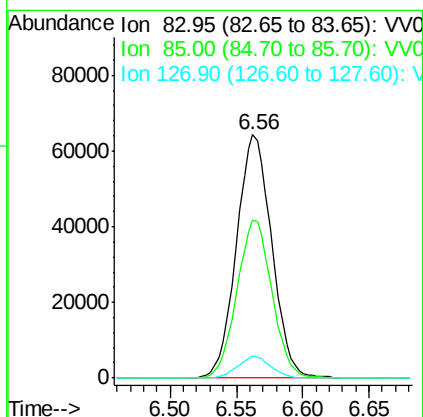
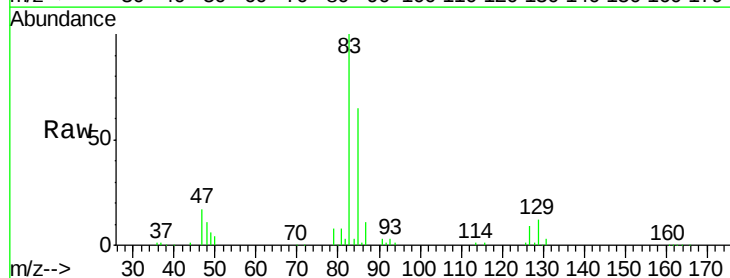
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

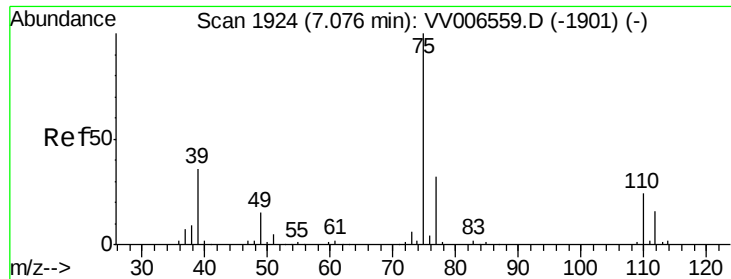
Tgt Ion: 63 Resp: 107596
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.550 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion: 83 Resp: 118747
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7
 127 9.0 6.9 10.3

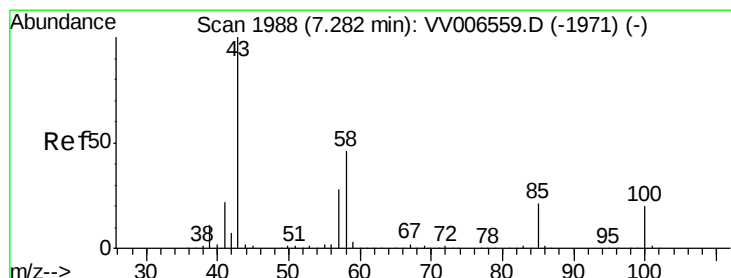
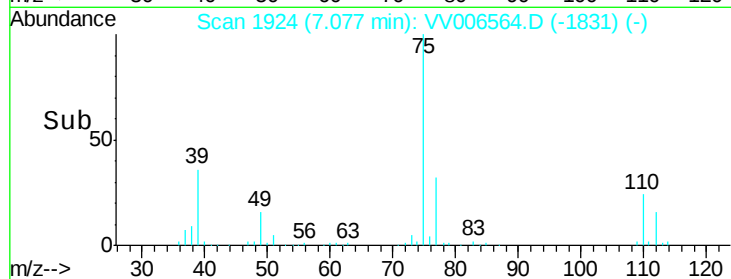
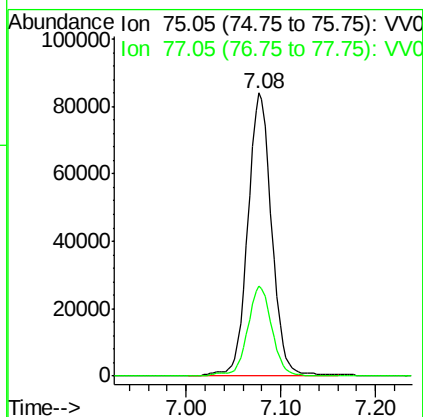
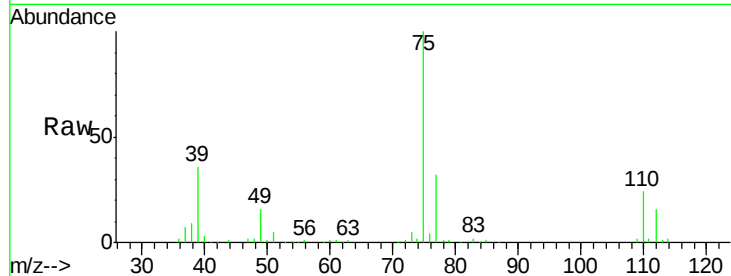




#39
 cis-1,3-Dichloropropene
 Concen: 4.747 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

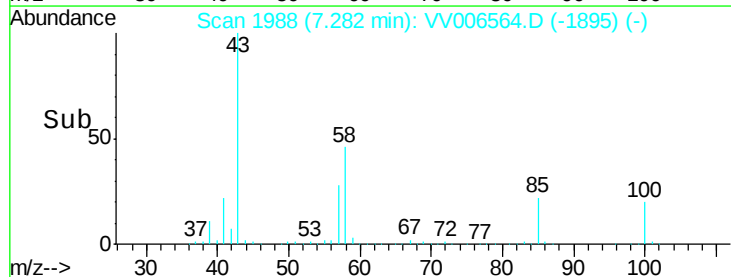
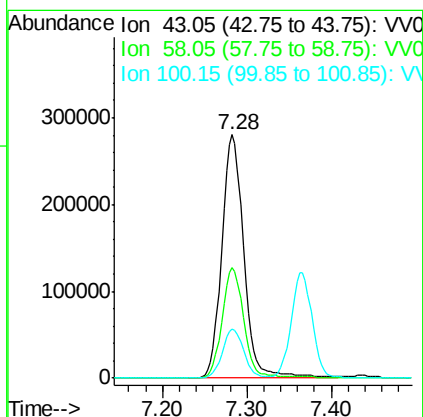
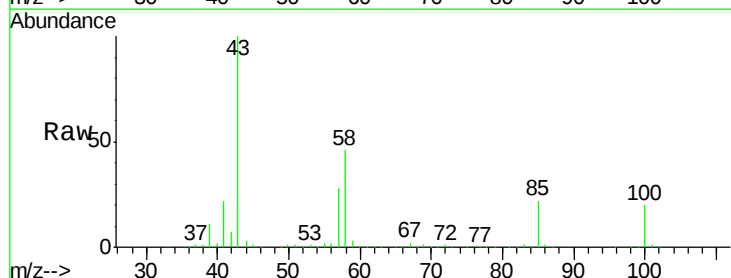
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

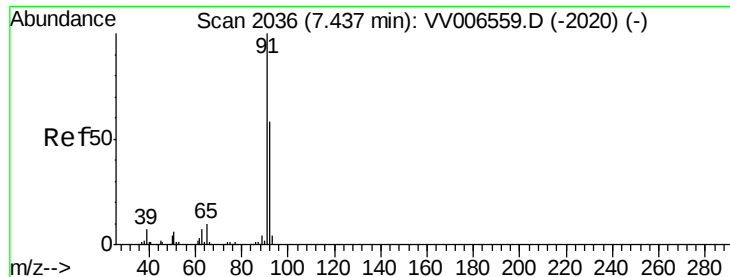
Tgt Ion: 75 Resp: 147471
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 43.548 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion: 43 Resp: 510902
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.8 53.6
 100 19.4 15.4 23.0





#42

Toluene

Concen: 4.838 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

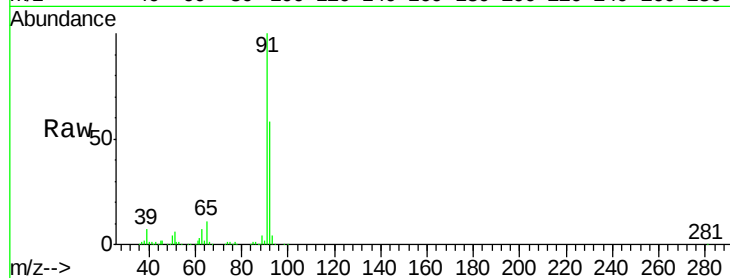
VSTD00568

Tgt Ion: 91 Resp: 476198

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

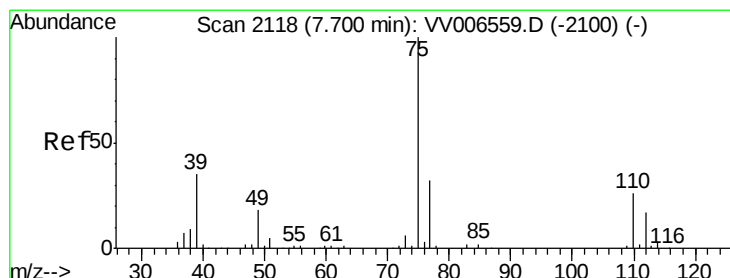
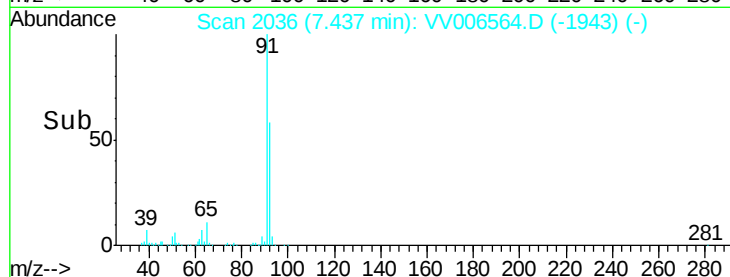
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.700 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006564.D

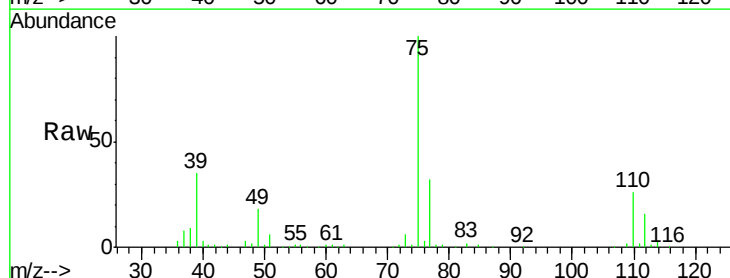
Acq: 09 Jul 2018 18:19

Tgt Ion: 75 Resp: 112704

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

80000

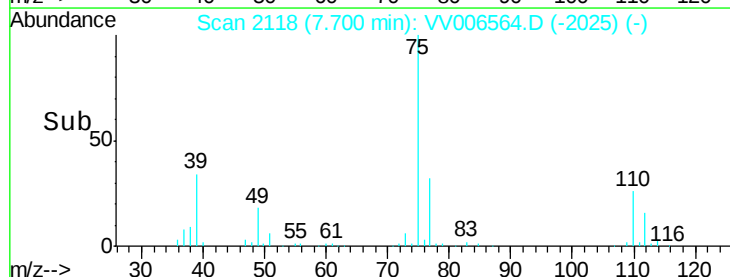
60000

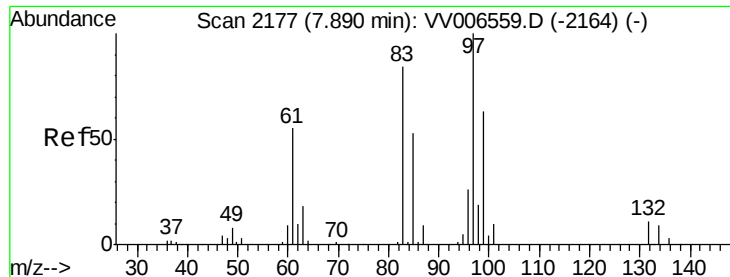
40000

20000

0

Time-->

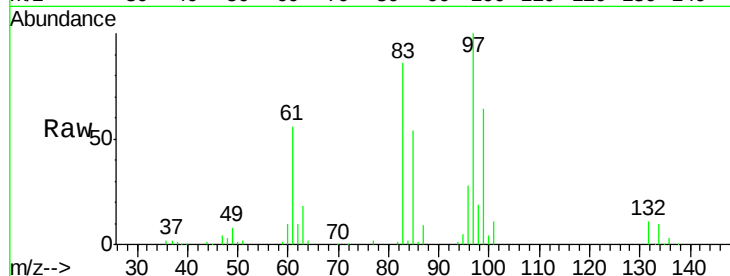




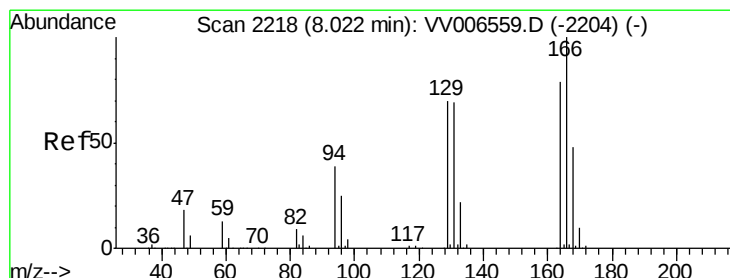
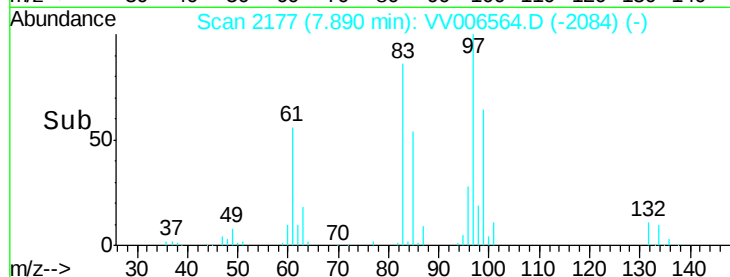
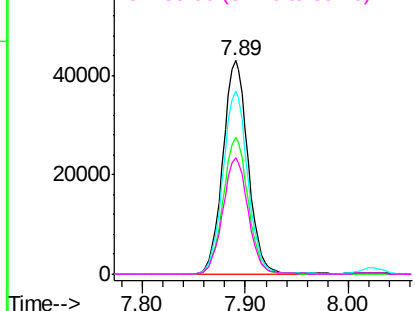
#45
 1,1,2-Trichloroethane
 Concen: 4.521 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	97	Resp:	73217
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.3	80.3
83	85.8	58.0	107.8
85	54.4	37.8	70.2

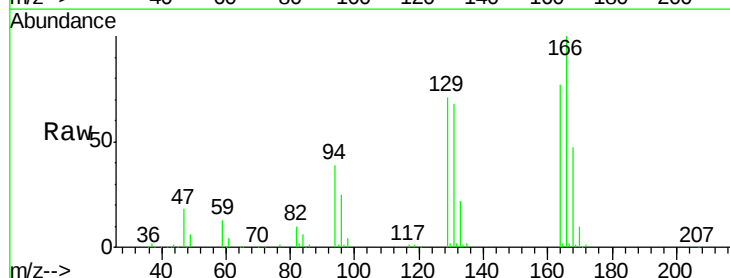


Abundance Ion 96.95 (96.65 to 97.65): VV006564.D (-2164) (-)
 Ion 99.05 (98.75 to 99.75): VV006564.D (-2164) (-)
 Ion 82.95 (82.65 to 83.65): VV006564.D (-2164) (-)
 Ion 85.00 (84.70 to 85.70): VV006564.D (-2164) (-)

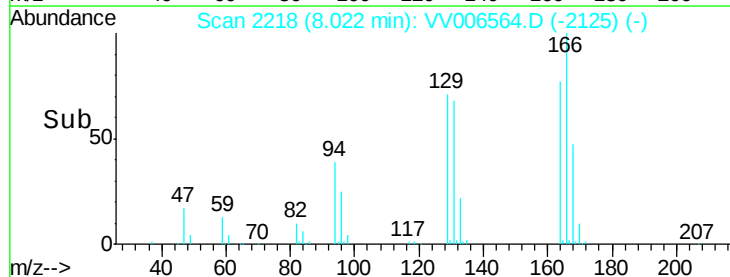
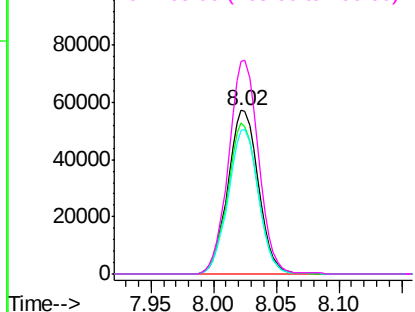


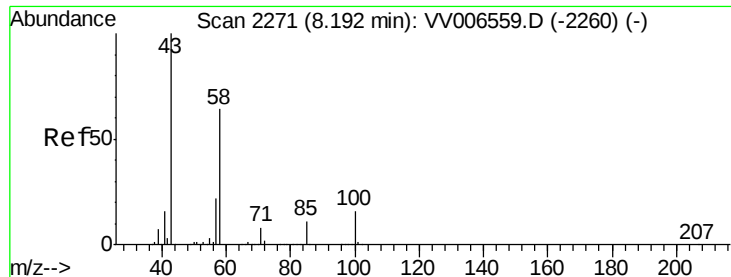
#47
 Tetrachloroethene
 Concen: 4.841 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion:	164	Resp:	96626
Ion	Ratio	Lower	Upper
164	100		
129	92.4	62.1	115.3
131	87.7	60.8	113.0
166	129.7	87.1	161.7



Abundance Ion 163.90 (163.60 to 164.60): VV006564.D (-2218) (-)
 Ion 128.95 (128.65 to 129.65): VV006564.D (-2218) (-)
 Ion 130.95 (130.65 to 131.65): VV006564.D (-2218) (-)
 Ion 165.90 (165.60 to 166.60): VV006564.D (-2218) (-)

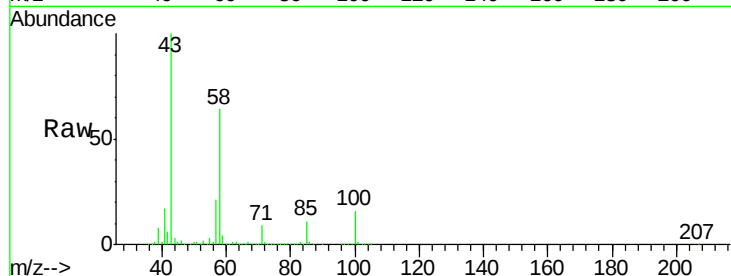




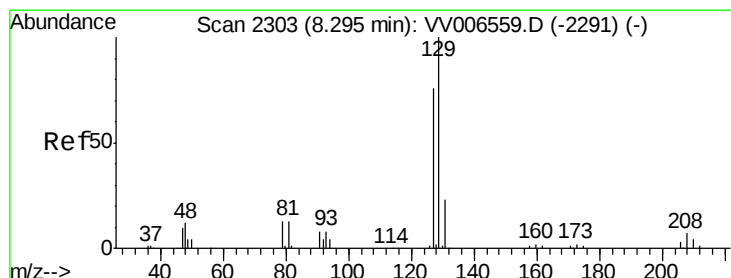
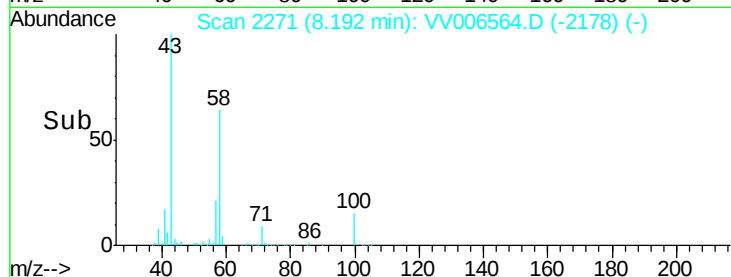
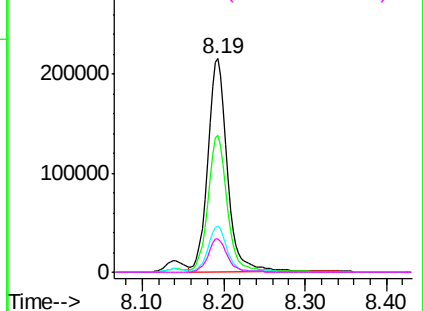
#48
2-Hexanone
Concen: 43.678 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 43 Resp: 363343
Ion Ratio Lower Upper
43 100
58 63.9 50.3 75.5
57 21.7 17.0 25.4
100 15.6 12.3 18.5

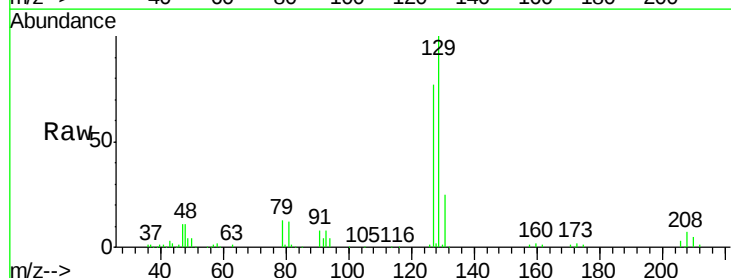


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

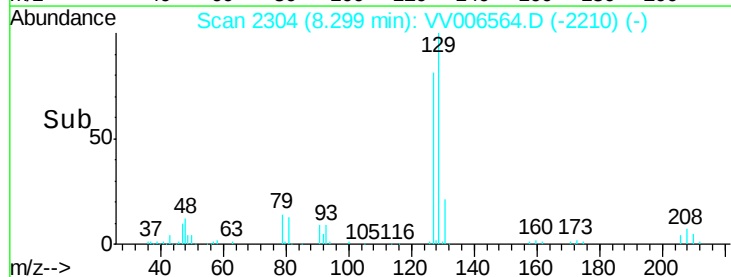
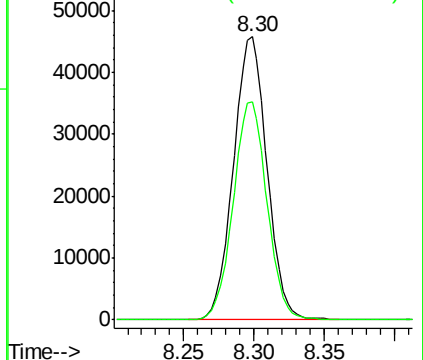


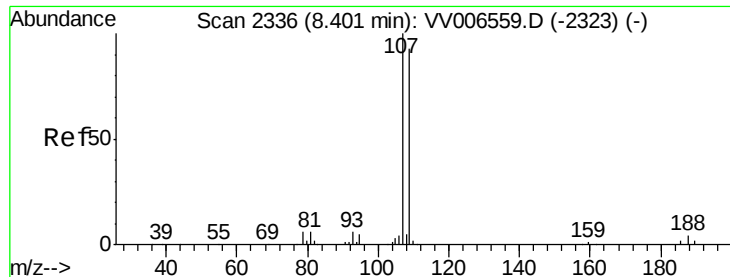
#49
Dibromochloromethane
Concen: 4.527 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

Tgt Ion: 129 Resp: 76455
Ion Ratio Lower Upper
129 100
127 77.0 52.7 97.9



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

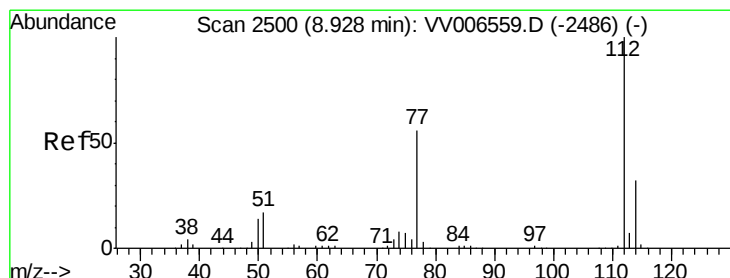
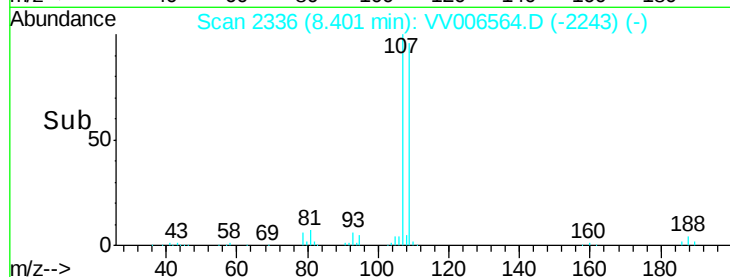
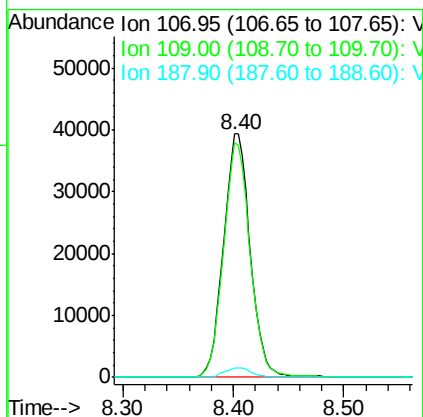
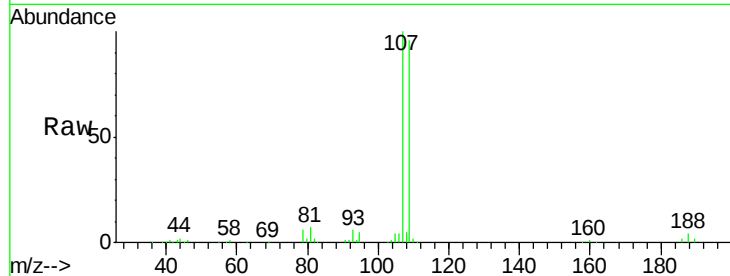




#50
1,2-Dibromoethane
Concen: 4.484 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

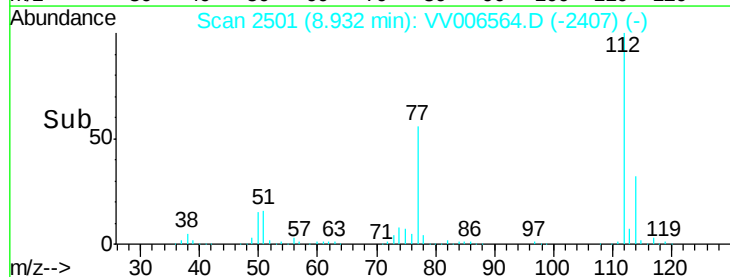
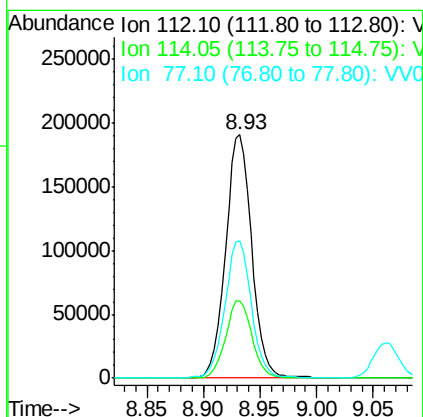
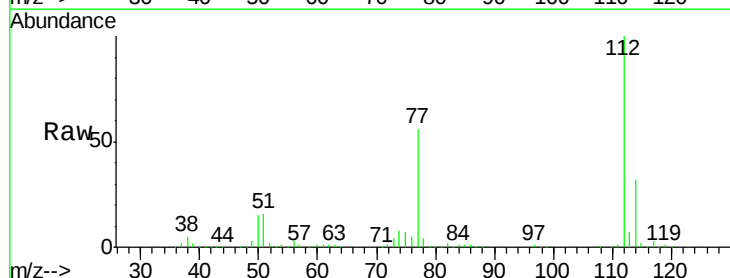
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

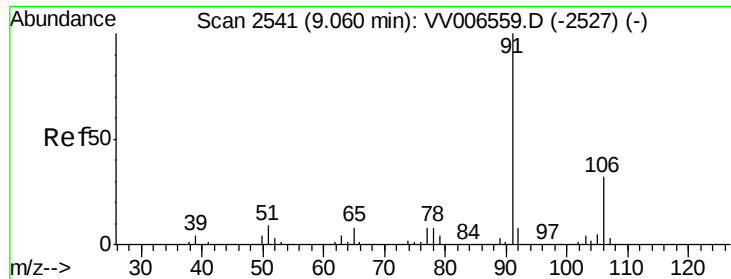
Tgt Ion:107 Resp: 66107
Ion Ratio Lower Upper
107 100
109 96.2 65.2 121.0
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 4.761 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006564.D
Acq: 09 Jul 2018 18:19

Tgt Ion:112 Resp: 306554
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.3 45.1 67.7





#52

Ethylbenzene

Concen: 4.939 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

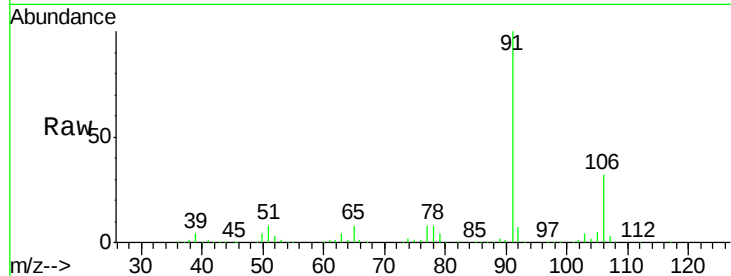
VSTD00568

Tgt Ion: 91 Resp: 516550

Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006559.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006559.D (-2527) (-)

9.06

300000

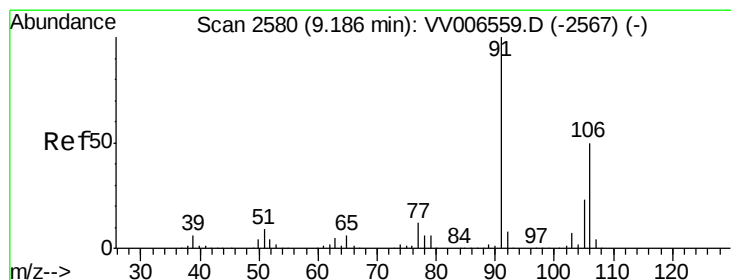
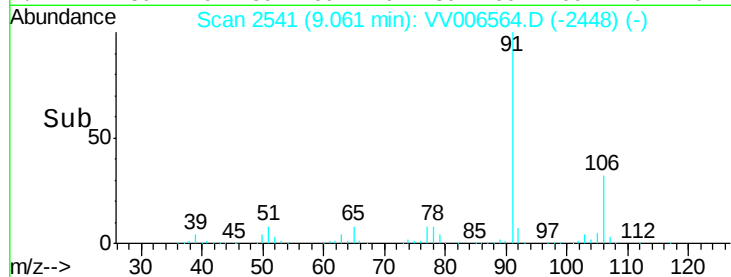
200000

100000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 4.968 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006564.D

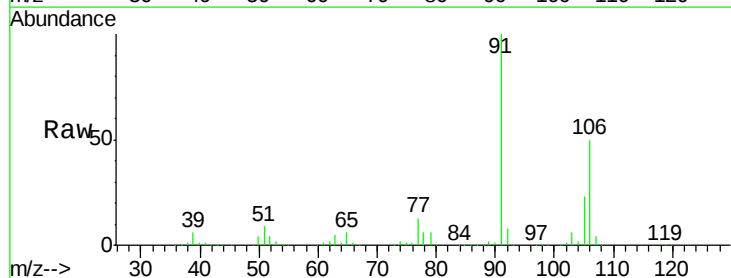
Acq: 09 Jul 2018 18:19

Tgt Ion: 106 Resp: 200170

Ion Ratio Lower Upper

106 100

91 199.5 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006559.D (-2567) (-)

Ion 91.15 (90.85 to 91.85): VV006559.D (-2567) (-)

9.19

250000

200000

150000

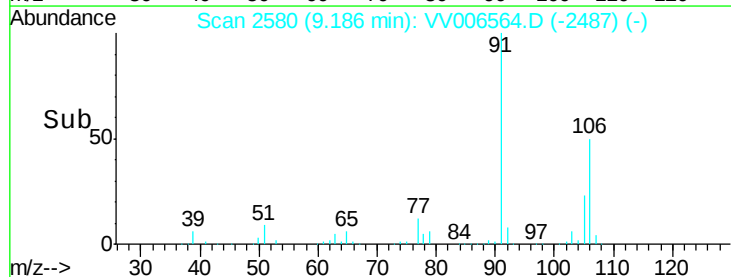
100000

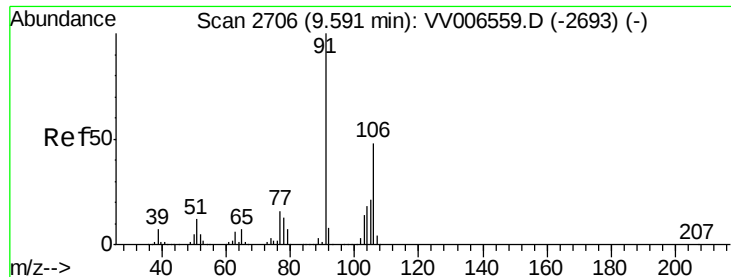
50000

0

9.10 9.20 9.30

Time-->





#54

o-xylene

Concen: 4.921 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

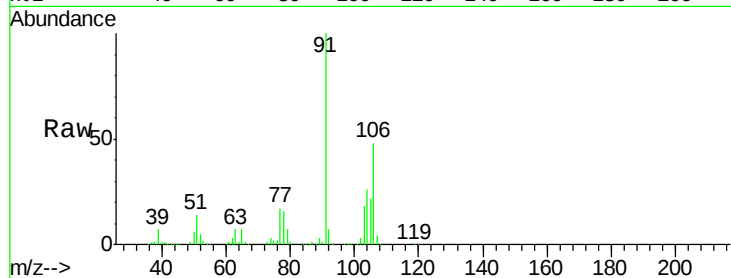
VSTD00568

Tgt Ion:106 Resp: 194065

Ion Ratio Lower Upper

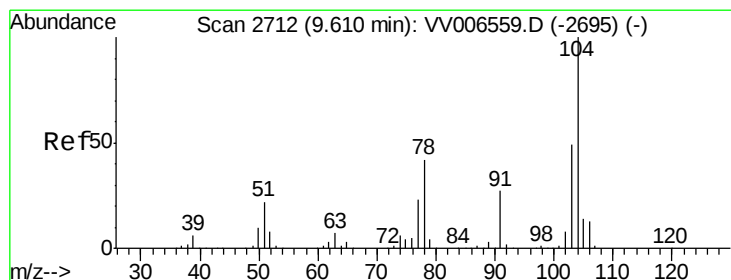
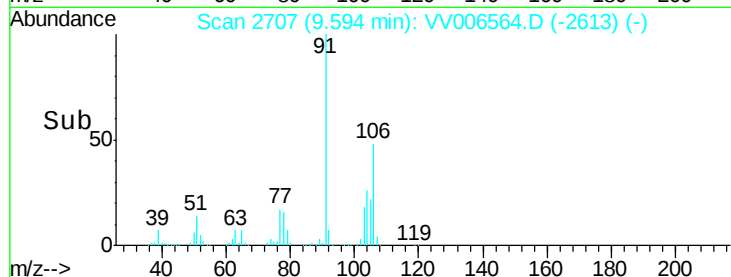
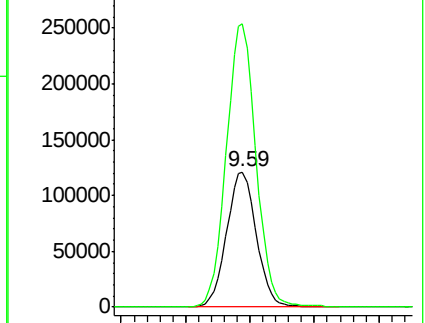
106 100

91 209.8 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.944 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006564.D

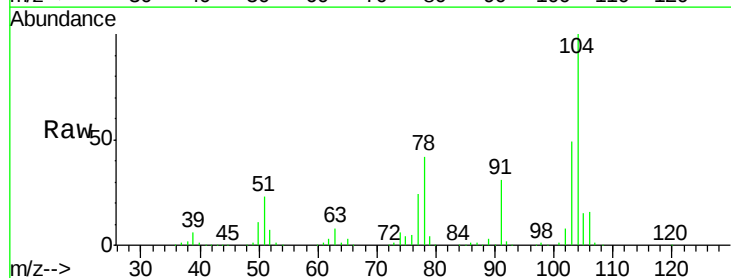
Acq: 09 Jul 2018 18:19

Tgt Ion:104 Resp: 327882

Ion Ratio Lower Upper

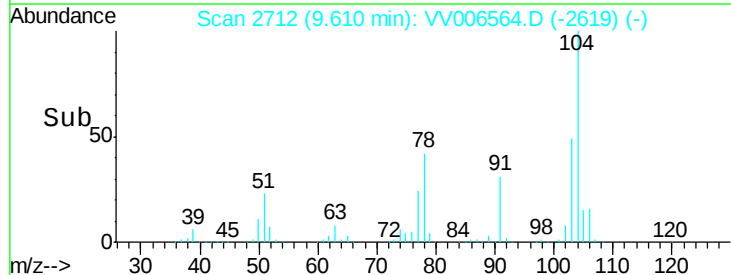
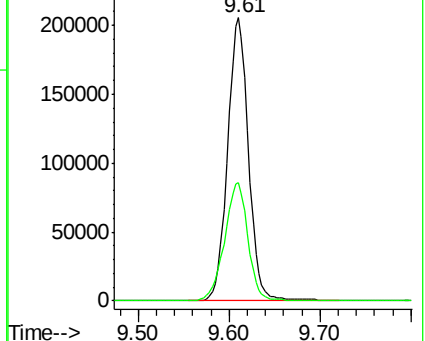
104 100

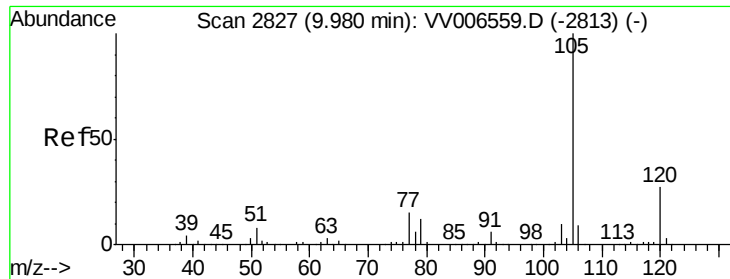
78 41.6 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.040 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

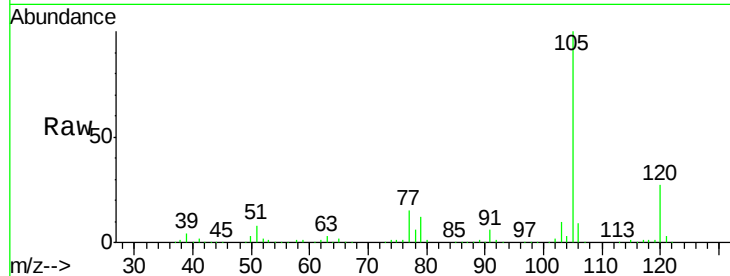
Tgt Ion: 105 Resp: 509752

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

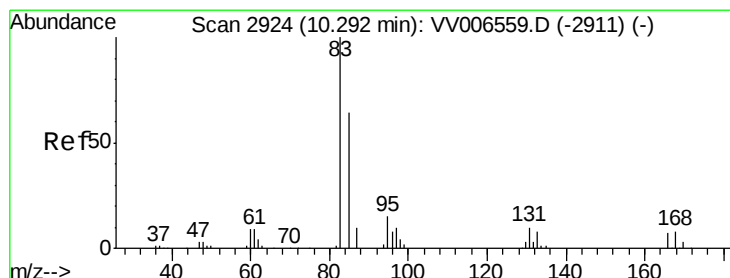
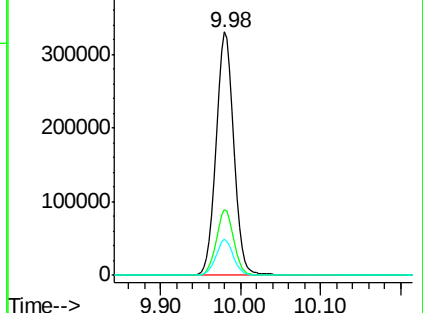
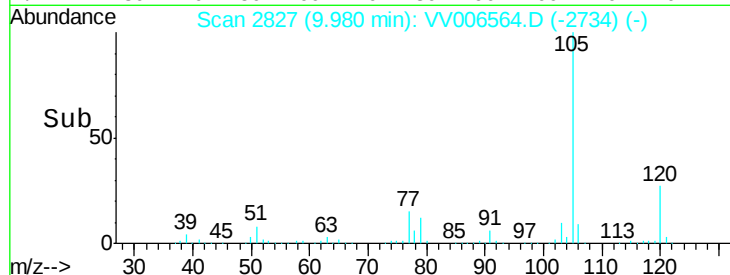
77 14.5 11.8 17.6



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: 4.517 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

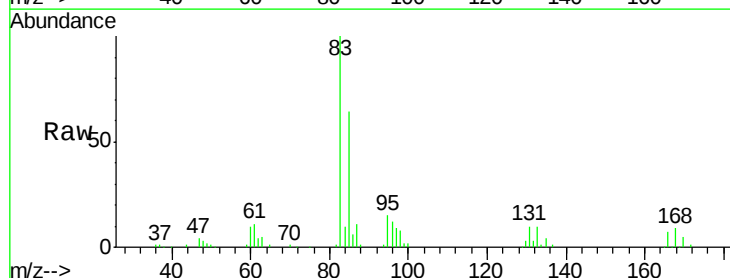
Tgt Ion: 83 Resp: 86306

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

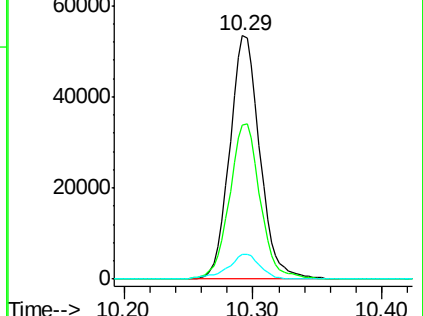
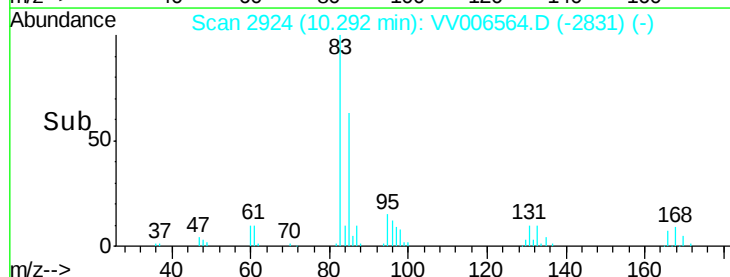
131 10.1 8.6 13.0

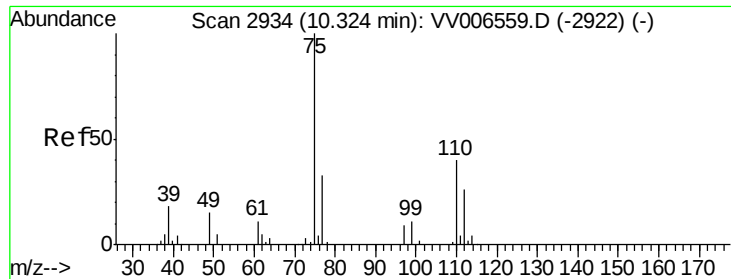


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

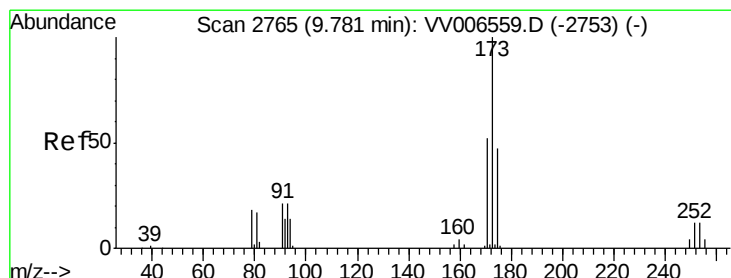
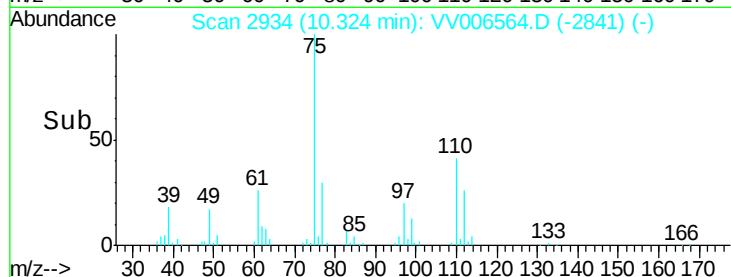
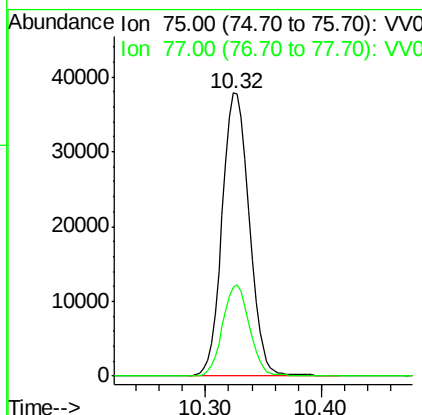
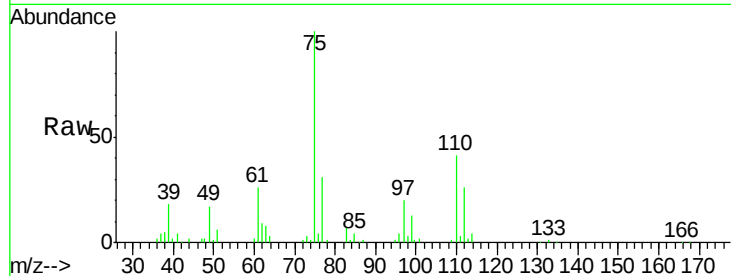




#59
 1,2,3-Trichloropropane
 Concen: 4.463 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

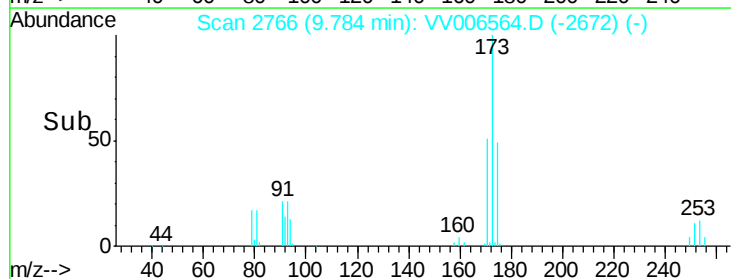
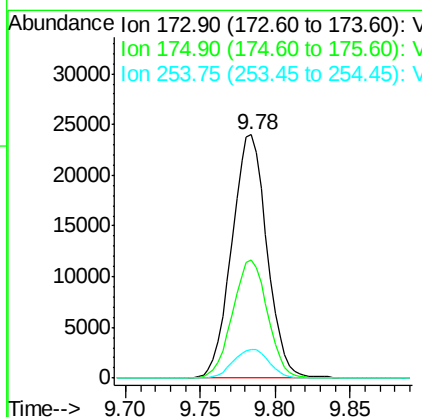
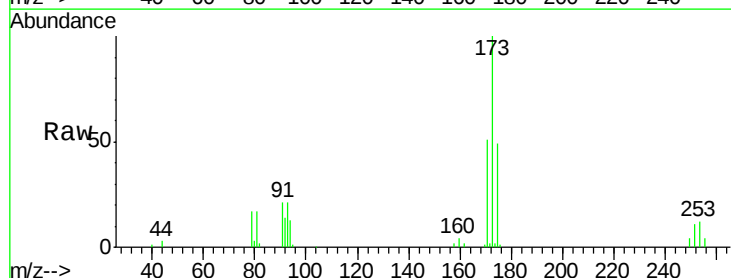
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

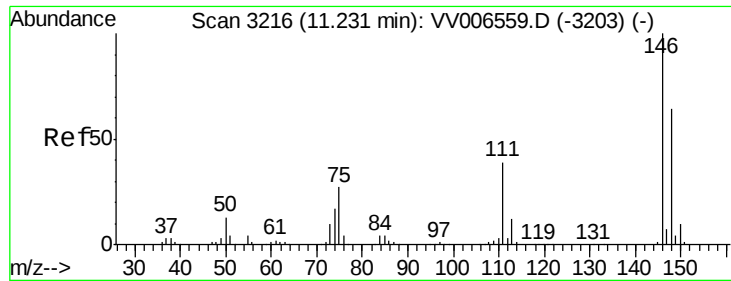
Tgt Ion: 75 Resp: 61469
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.7 38.5



#61
 Bromoform
 Concen: 4.462 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion: 173 Resp: 39148
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.4
 254 12.0 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.788 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

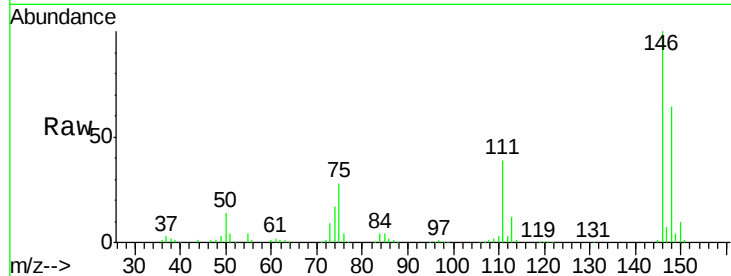
Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

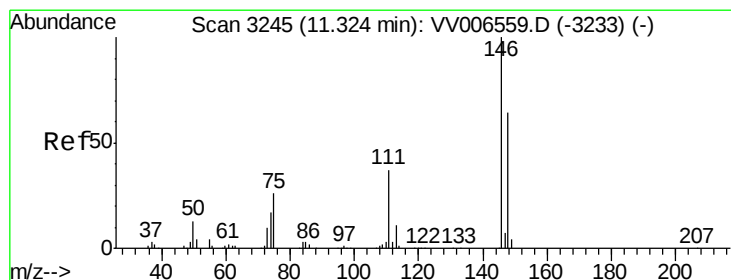
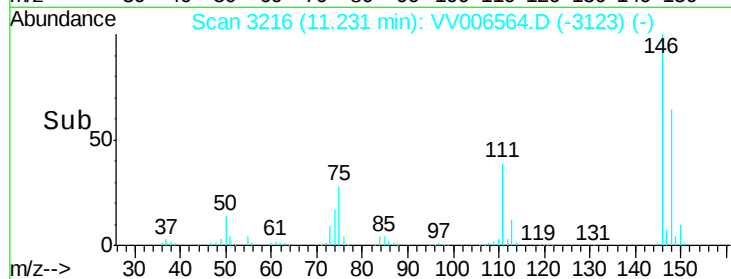
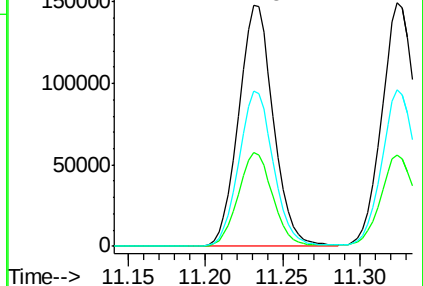
Tgt Ion:	146	Resp:	231267
Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.9	49.9
148	64.3	44.4	82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.778 ug/L

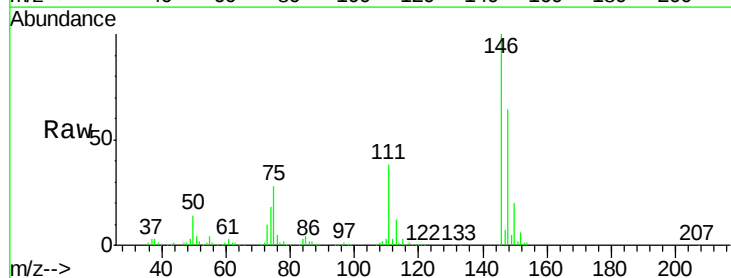
RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

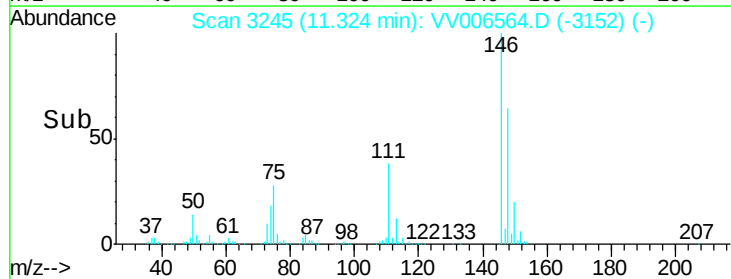
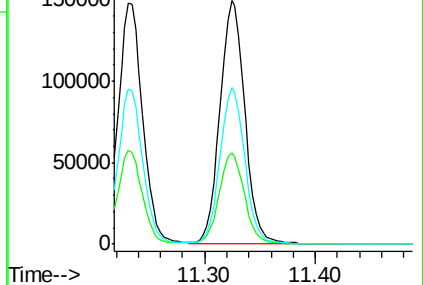
Tgt Ion:	146	Resp:	234616
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.0	48.4
148	64.2	44.2	82.0

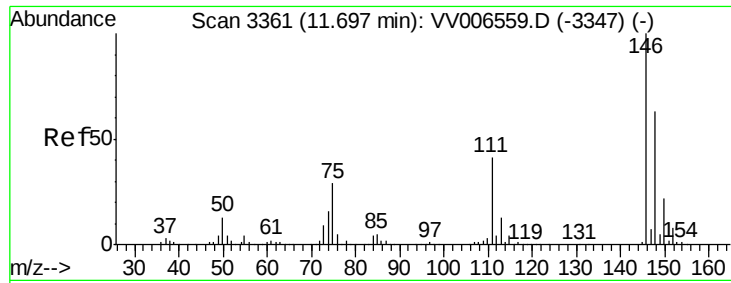


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.735 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

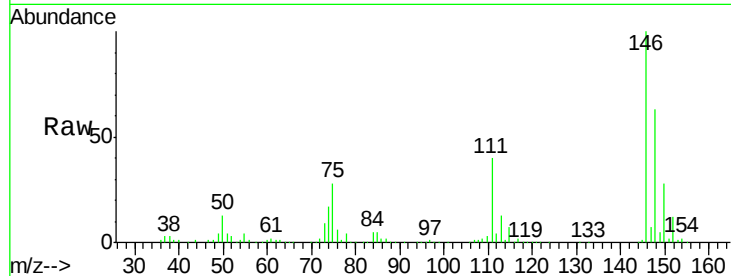
Tgt Ion:146 Resp: 220962

Ion Ratio Lower Upper

146 100

111 39.9 32.4 48.6

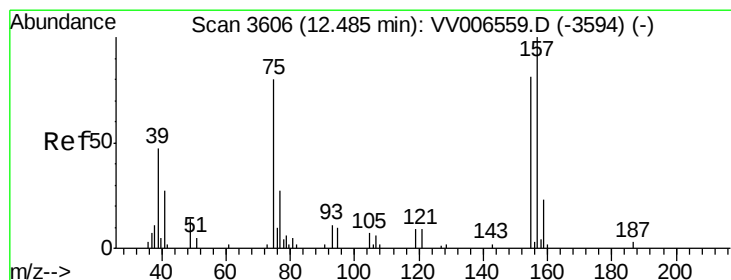
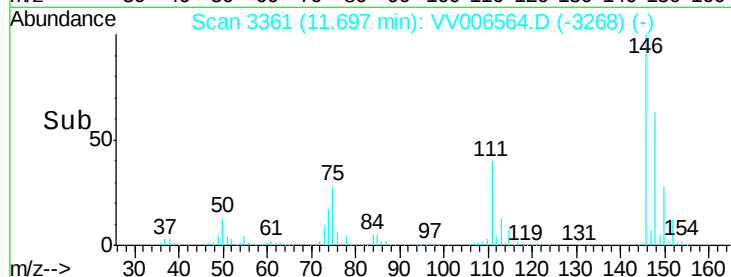
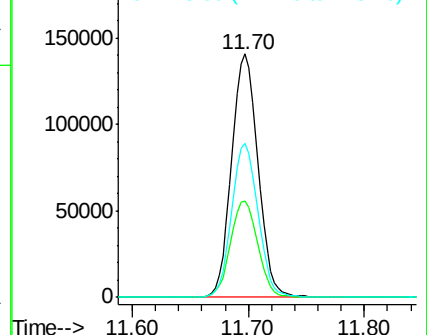
148 63.1 51.3 76.9



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: 4.253 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

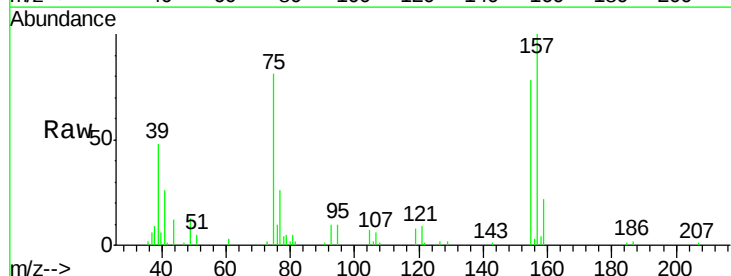
Tgt Ion: 75 Resp: 10604

Ion Ratio Lower Upper

75 100

155 95.6 75.4 113.2

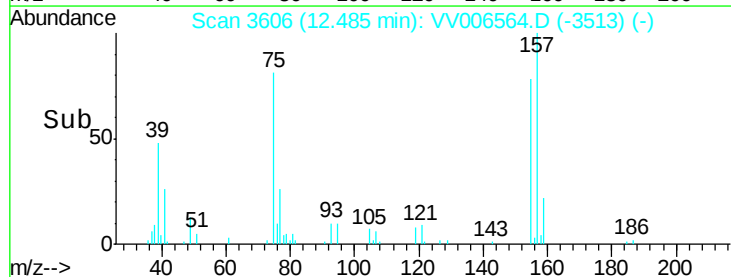
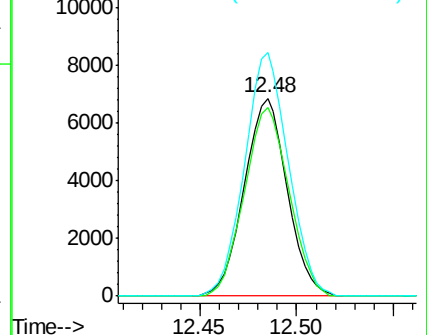
157 123.0 99.6 149.4

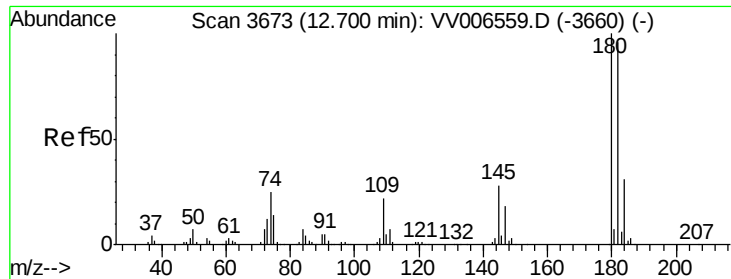


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

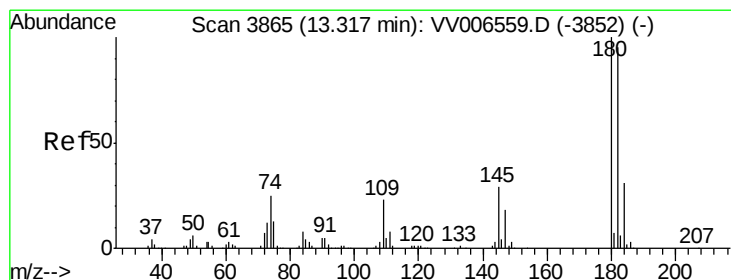
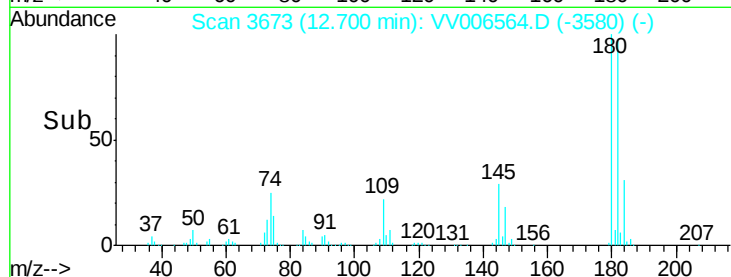
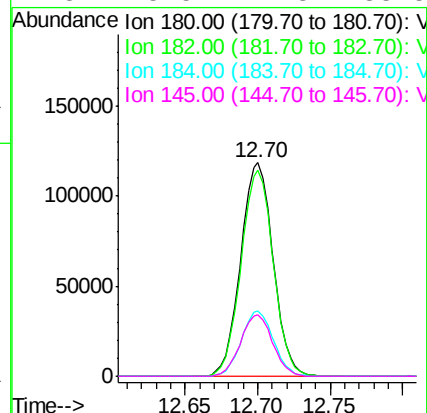
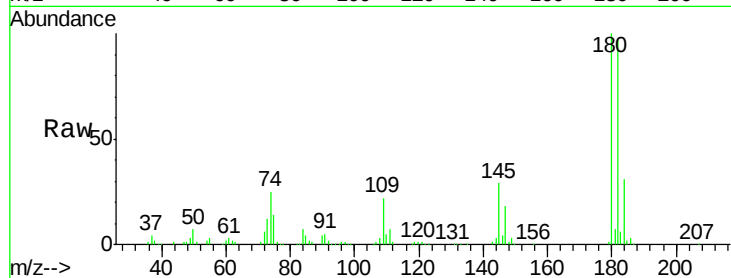




#67
 1,3,5-Trichlorobenzene
 Concen: 4.810 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

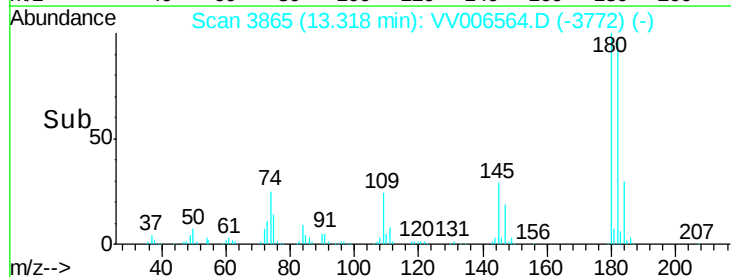
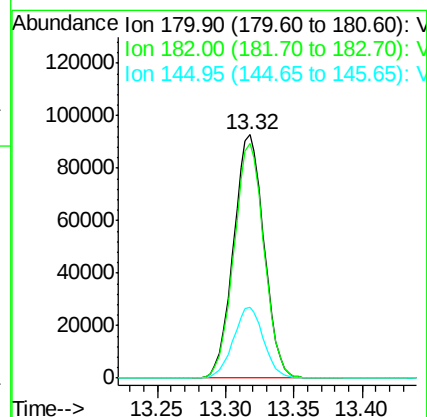
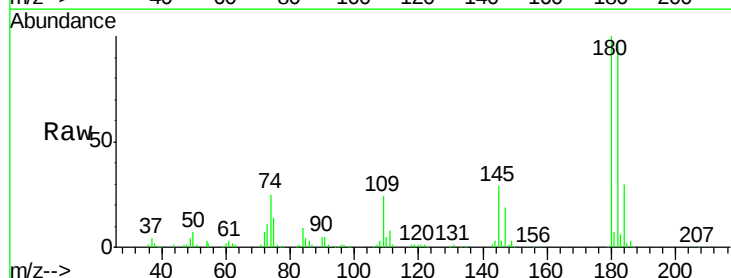
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

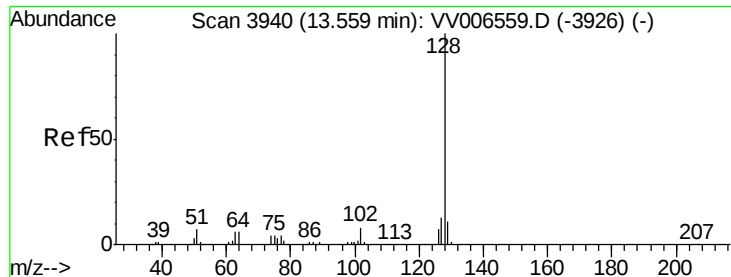
Tgt Ion:180 Resp: 184048
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.1 114.1
 184 30.3 24.1 36.1
 145 28.5 22.3 33.5



#68
 1,2,4-trichlorobenzene
 Concen: 4.714 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006564.D
 Acq: 09 Jul 2018 18:19

Tgt Ion:180 Resp: 143518
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.5 114.7
 145 28.8 23.0 34.4





#69

Naphthalene

Concen: 4.437 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

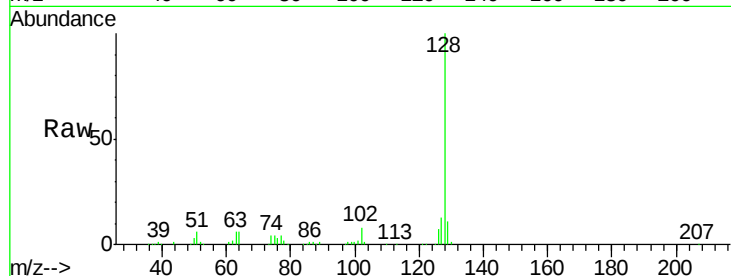
Tgt Ion:128 Resp: 229374

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

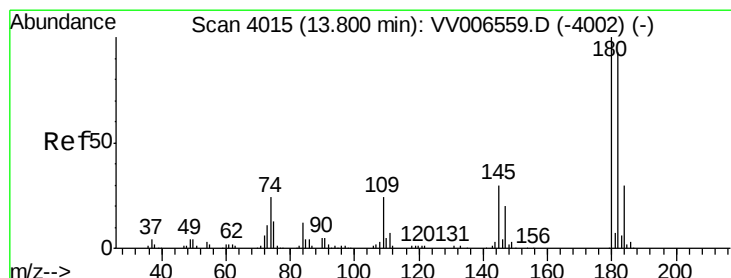
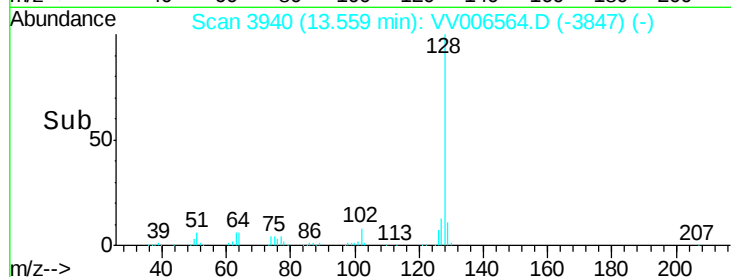
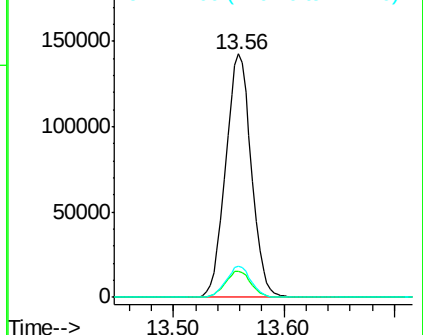
127 12.4 10.2 15.2



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: 4.687 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006564.D

Acq: 09 Jul 2018 18:19

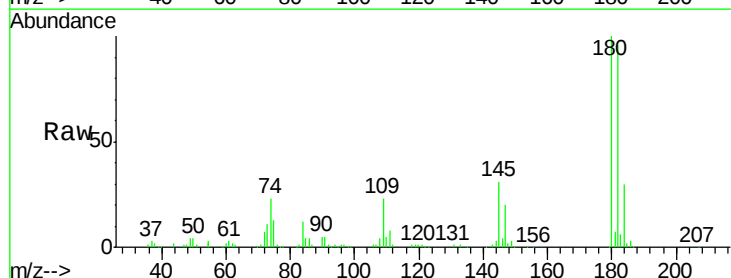
Tgt Ion:180 Resp: 133790

Ion Ratio Lower Upper

180 100

182 96.0 76.3 114.5

145 30.6 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

