

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062618\
 Data File : VV006458.D
 Acq On : 26 Jun 2018 10:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Jun 27 02:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	331927	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	304410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	146719	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95179	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.59	69	80050	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.14	63	179820	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	3.96	46	159770	39.07	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.14%
24) Chloroform-d	4.41	84	172641	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.09	65	81385	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.10	84	363994	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.12	67	109010	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	349473	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.67	79	37475	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	160383	46.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.08%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65345	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	125942	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	125010	5.139	ug/L 100
3) Chloromethane	1.26	50	120725	4.841	ug/L 100
5) Vinyl chloride	1.32	62	134482	4.964	ug/L 99
6) Bromomethane	1.54	94	77884	4.964	ug/L 100
8) Chloroethane	1.60	64	85085	4.952	ug/L 99
9) Trichlorofluoromethane	1.77	101	170804	5.245	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109685	5.362	ug/L 100
12) 1,1-Dichloroethene	2.15	96	101502	5.057	ug/L 89
13) Acetone	2.21	43	105395	42.045	ug/L 93
14) Carbon disulfide	2.32	76	249860	4.408	ug/L 99
15) Methyl Acetate	2.47	43	31005	4.201	ug/L 97
16) Methylene chloride	2.54	84	122461	5.208	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	238830	4.909	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	109687	4.991	ug/L 98
19) 1,1-Dichloroethane	3.23	63	190584	4.869	ug/L 99
21) 2-Butanone	4.05	43	180796	39.909	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	117367	4.857	ug/L 95

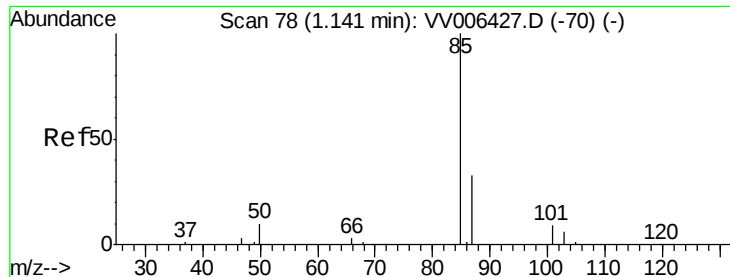
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062618\
 Data File : VV006458.D
 Acq On : 26 Jun 2018 10:11
 Operator : SY/MD
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 ClientSampleId :
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Quant Time: Jun 27 02:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48074	4.896	ug/L	95
25) Chloroform	4.43	83	194004	4.918	ug/L	99
27) 1,2-Dichloroethane	5.19	62	106450	4.802	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	160519	4.836	ug/L	100
30) Cyclohexane	4.73	56	166891	5.030	ug/L	100
31) Carbon tetrachloride	4.88	117	134414	4.827	ug/L	99
33) Benzene	5.15	78	441410	4.910	ug/L	100
34) Trichloroethene	5.96	95	125897	4.895	ug/L	99
35) Methylcyclohexane	6.18	83	192278	5.142	ug/L	98
37) 1,2-Dichloropropane	6.23	63	105591	4.806	ug/L	99
38) Bromodichloromethane	6.56	83	116908	4.623	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	144503	4.727	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	508344	47.553	ug/L	98
42) Toluene	7.44	91	476820	5.008	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	110917	4.626	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	74648	4.920	ug/L	99
47) Tetrachloroethene	8.02	164	97298	5.008	ug/L	98
48) 2-Hexanone	8.19	43	369248	48.012	ug/L	99
49) Dibromochloromethane	8.30	129	75145	4.646	ug/L	99
50) 1,2-Dibromoethane	8.40	107	66945	4.908	ug/L	98
51) Chlorobenzene	8.93	112	309159	4.908	ug/L	100
52) Ethylbenzene	9.06	91	517847	5.024	ug/L	100
53) m,p-xylene	9.19	106	201693	5.074	ug/L	100
54) o-xylene	9.59	106	195026	5.001	ug/L	98
55) Styrene	9.61	104	325408	5.100	ug/L	99
56) Isopropylbenzene	9.98	105	516017	5.078	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	67330	4.705	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	58461	4.892	ug/L	100
61) Bromoform	9.78	173	35918	4.362	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	236830	4.901	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	239310	4.951	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	223947	4.951	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7803	4.060	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	184451	5.023	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	136756	5.079	ug/L	100
69) Naphthalene	13.56	128	187646	4.767	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	126355	5.041	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.139 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

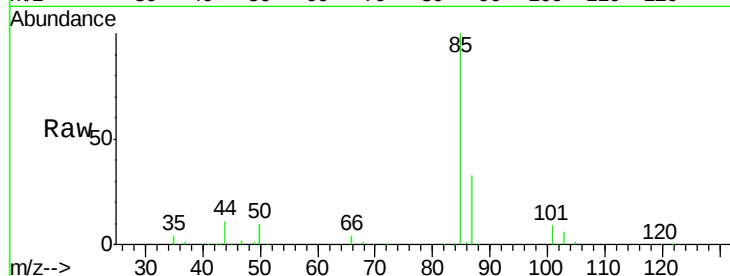
VSTD00562

Tgt Ion: 85 Resp: 125010

Ion Ratio Lower Upper

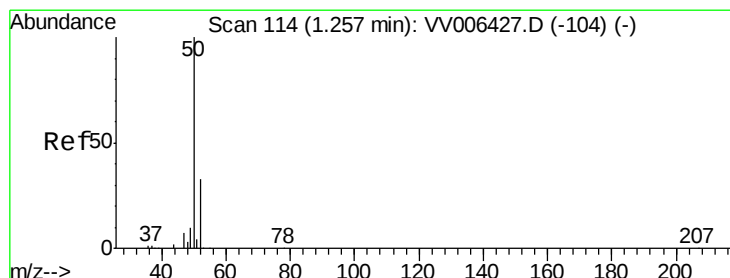
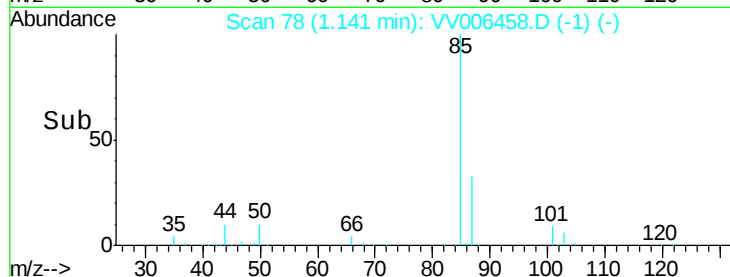
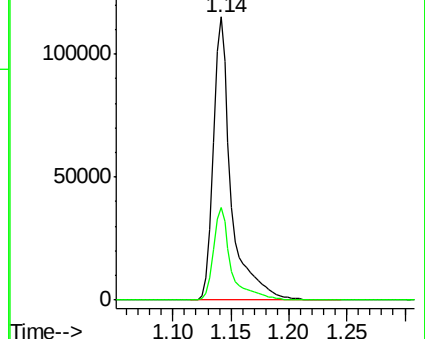
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.841 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006458.D

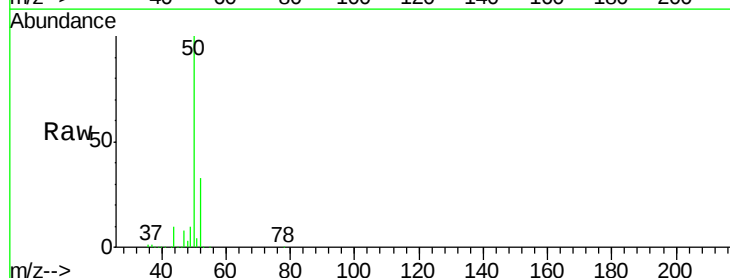
Acq: 26 Jun 2018 10:11

Tgt Ion: 50 Resp: 120725

Ion Ratio Lower Upper

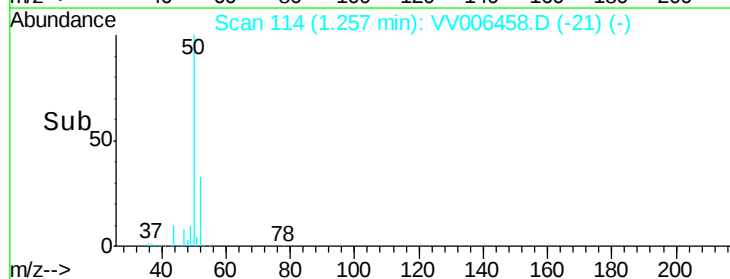
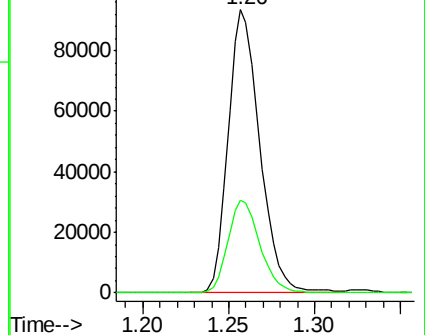
50 100

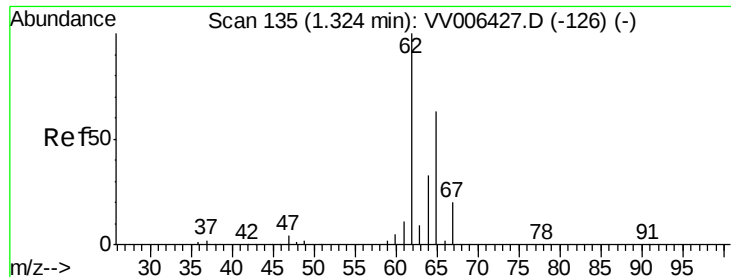
52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.964 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

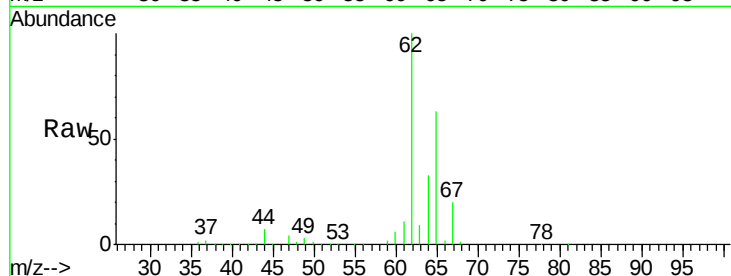
VSTD00562

Tgt Ion: 62 Resp: 134482

Ion Ratio Lower Upper

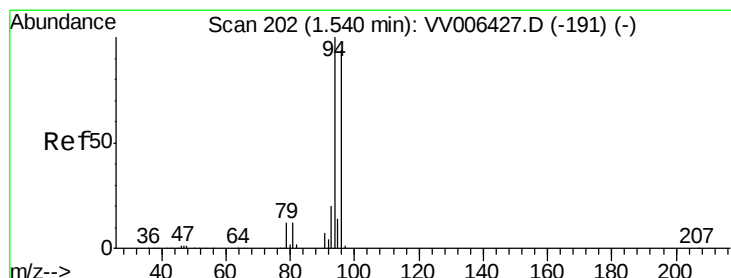
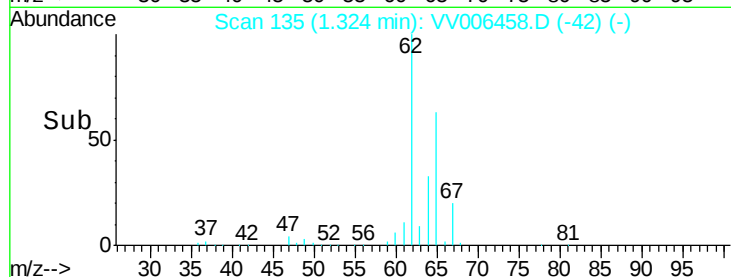
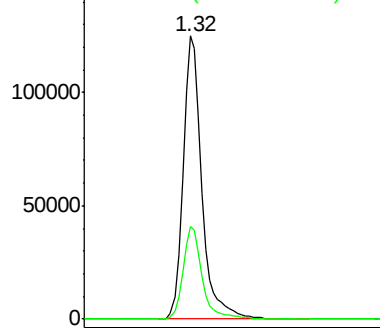
62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.964 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006458.D

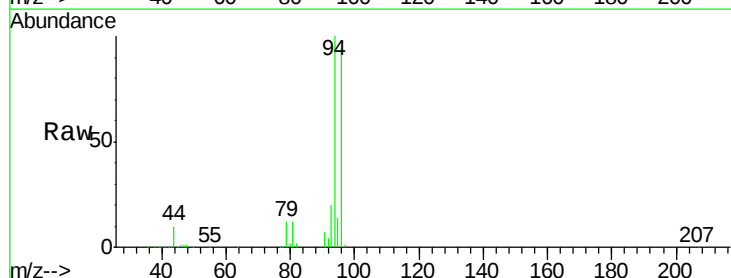
Acq: 26 Jun 2018 10:11

Tgt Ion: 94 Resp: 77884

Ion Ratio Lower Upper

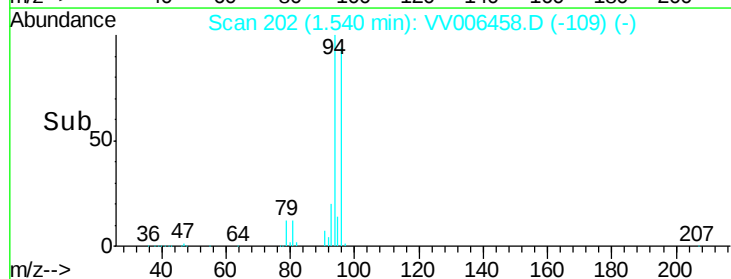
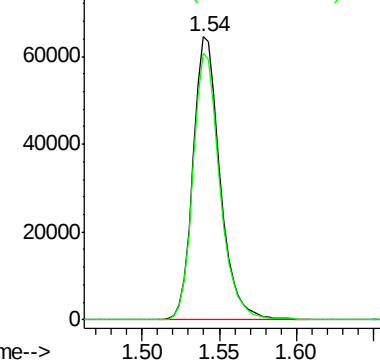
94 100

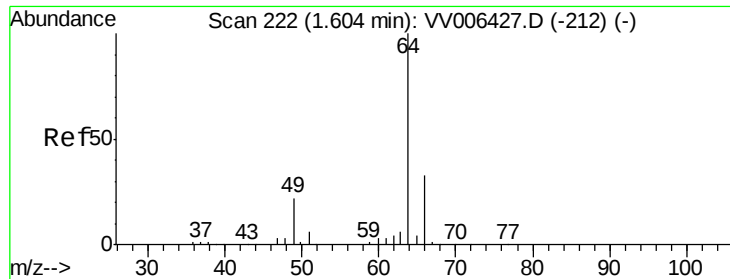
96 94.2 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.952 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

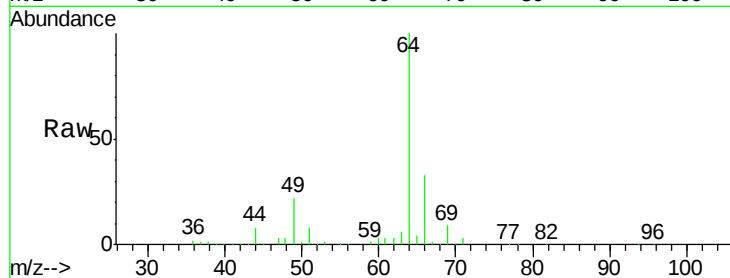
VSTD00562

Tgt Ion: 64 Resp: 85085

Ion Ratio Lower Upper

64 100

66 33.2 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006427.D (-212) (-)

Ion 66.05 (65.75 to 66.75): VV006427.D (-212) (-)

1.60

80000

60000

40000

20000

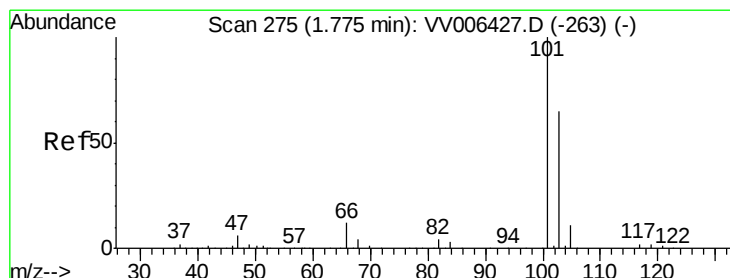
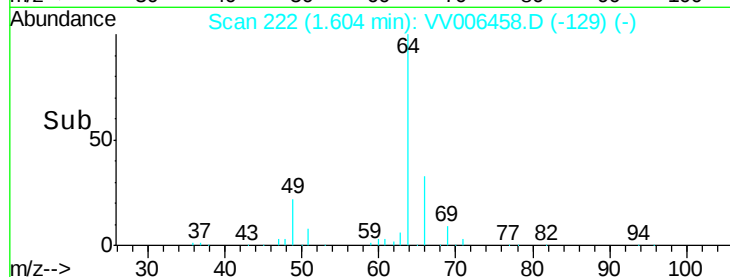
0

Time-->

1.50

1.60

1.70



#9

Trichlorofluoromethane

Concen: 5.245 ug/L

RT: 1.77 min Scan# 275

Delta R.T. -0.00 min

Lab File: VV006458.D

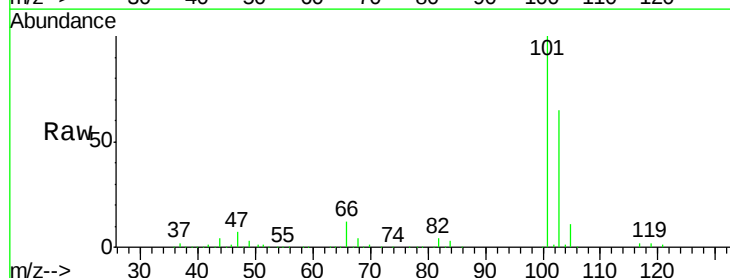
Acq: 26 Jun 2018 10:11

Tgt Ion: 101 Resp: 170804

Ion Ratio Lower Upper

101 100

103 65.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006427.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006427.D (-263) (-)

1.77

150000

100000

50000

0

Time-->

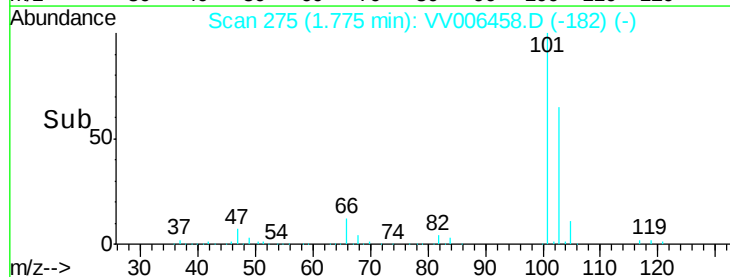
1.70

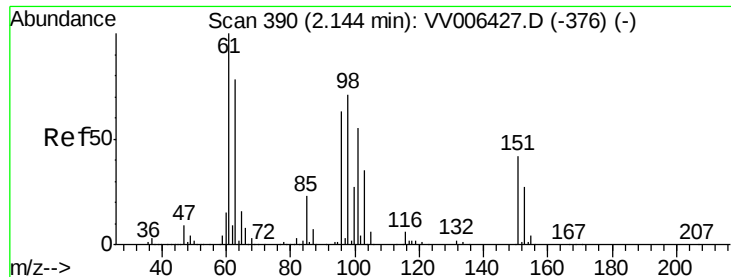
1.75

1.80

1.85

1.90





#10

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

Concen: 5.362 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

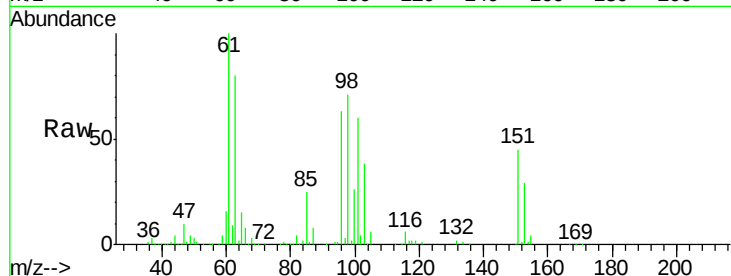
Tgt Ion:101 Resp: 109685

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

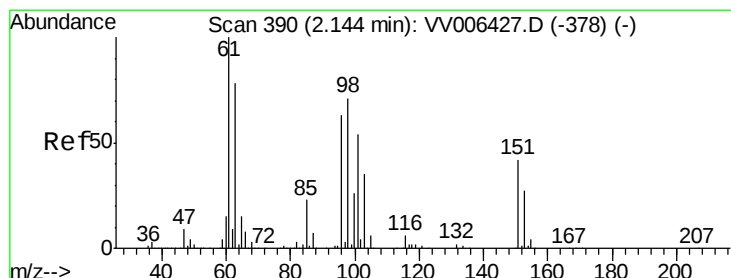
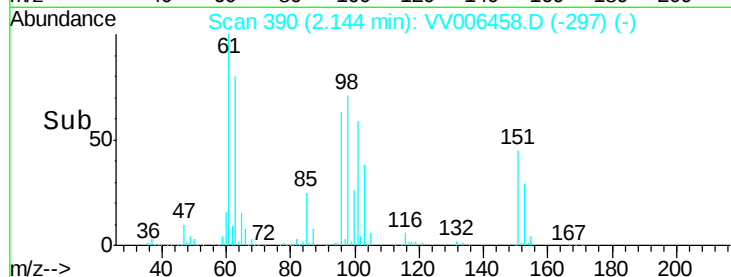
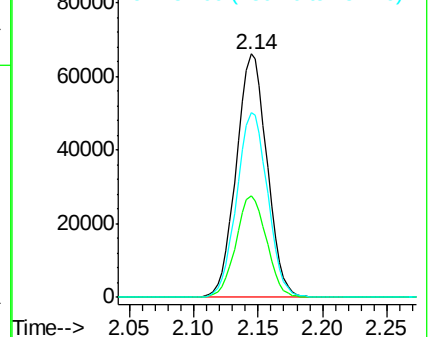
151 76.5 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.057 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

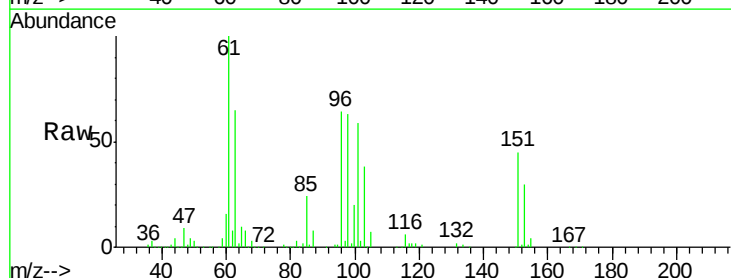
Tgt Ion: 96 Resp: 101502

Ion Ratio Lower Upper

96 100

61 155.7 111.4 207.0

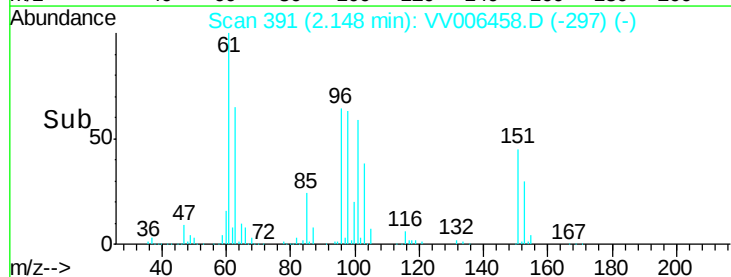
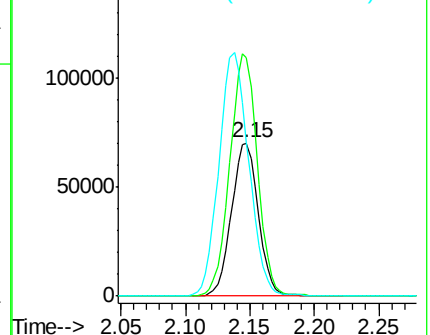
63 100.9 87.4 162.2

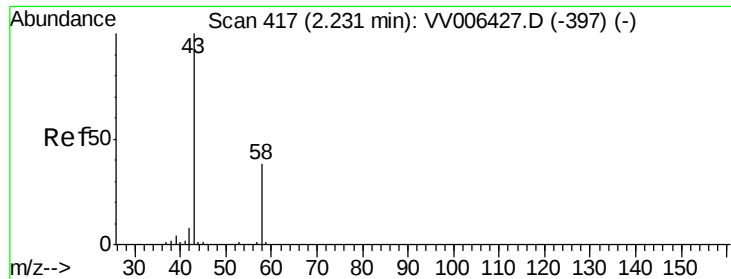


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.045 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.02 min

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Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

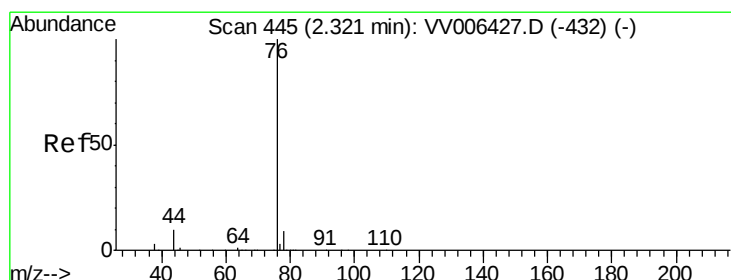
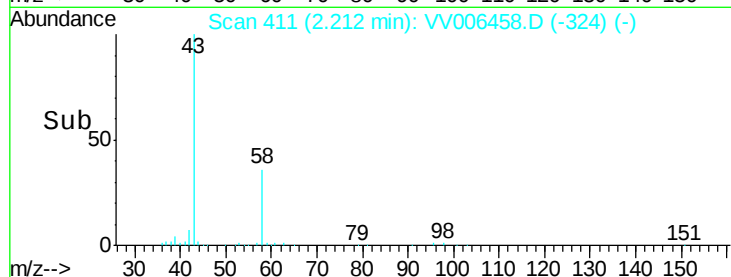
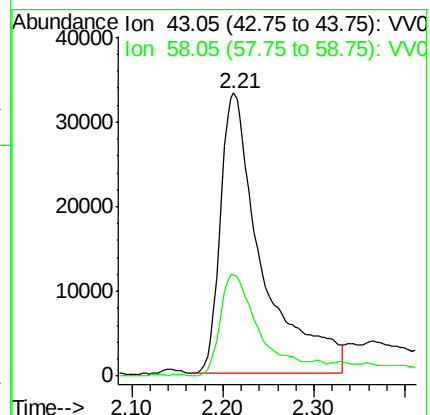
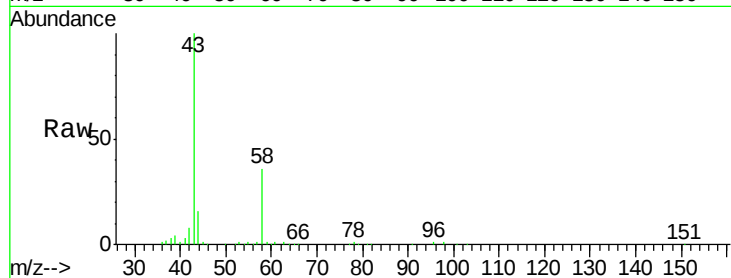
VSTD00562

Tgt Ion: 43 Resp: 105395

Ion Ratio Lower Upper

43 100

58 34.3 0.0 77.4



#14

Carbon disulfide

Concen: 4.408 ug/L

RT: 2.32 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV006458.D

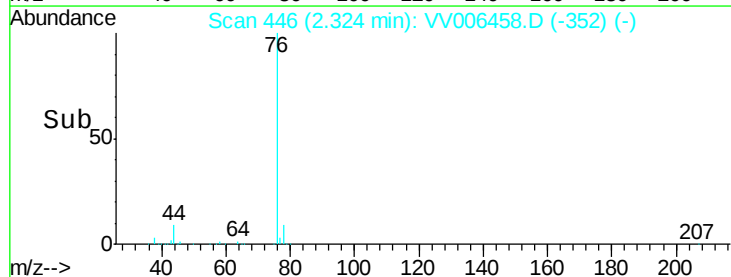
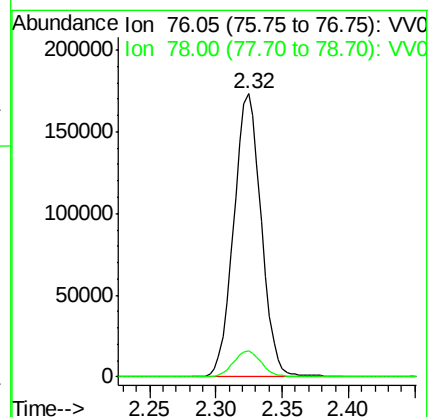
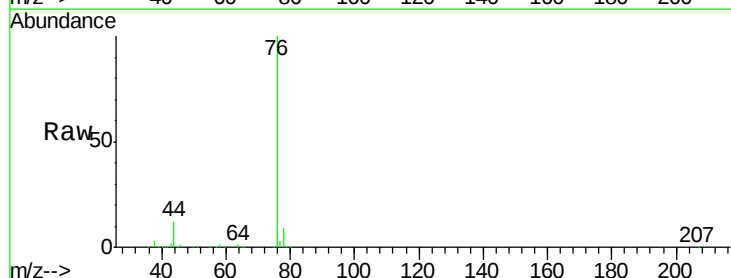
Acq: 26 Jun 2018 10:11

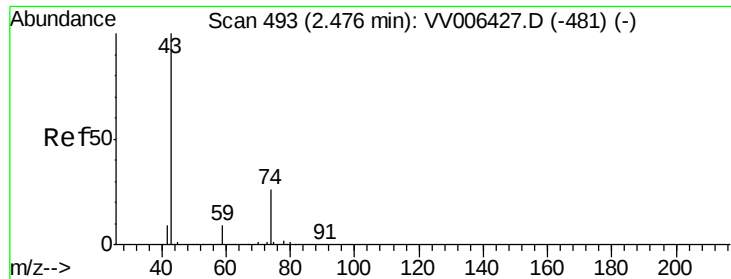
Tgt Ion: 76 Resp: 249860

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

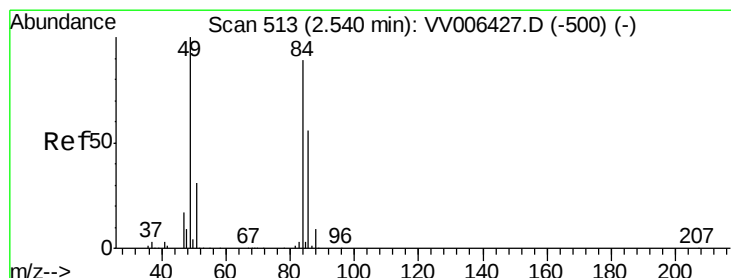
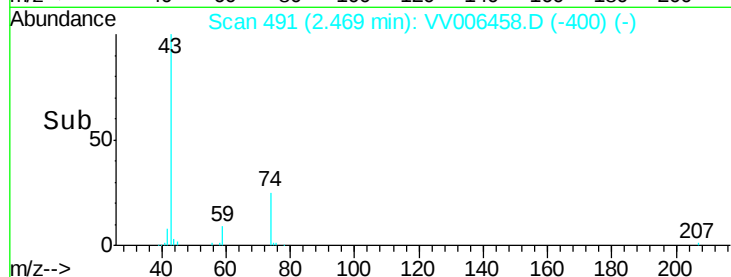
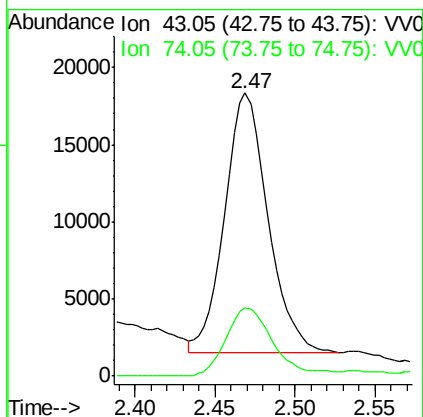
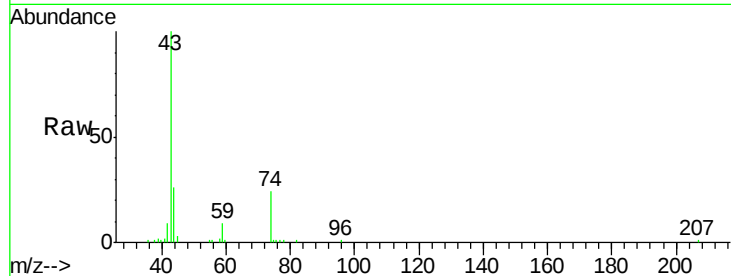




#15
Methyl Acetate
Concen: 4.201 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.01 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

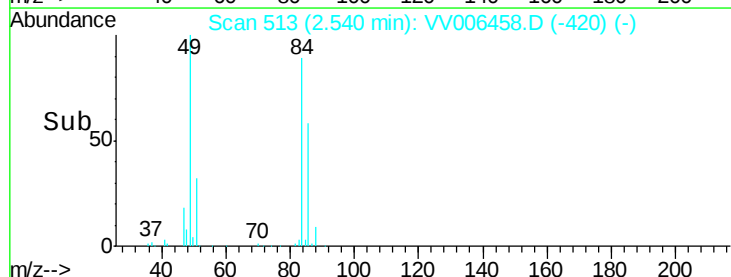
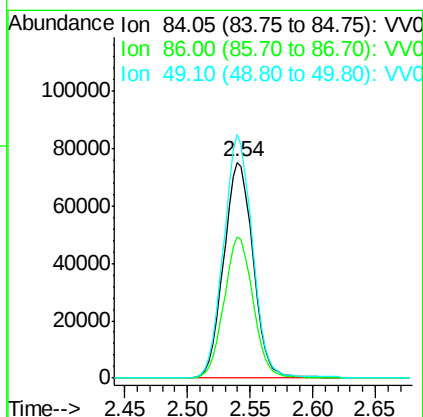
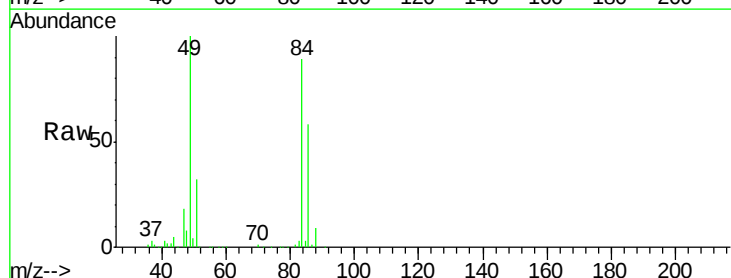
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

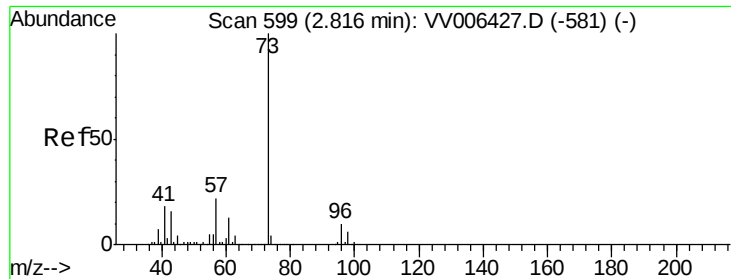
Tgt Ion: 43 Resp: 31005
Ion Ratio Lower Upper
43 100
74 29.3 22.2 33.4



#16
Methylene chloride
Concen: 5.208 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion: 84 Resp: 122461
Ion Ratio Lower Upper
84 100
86 65.5 44.2 82.2
49 112.8 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 4.909 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

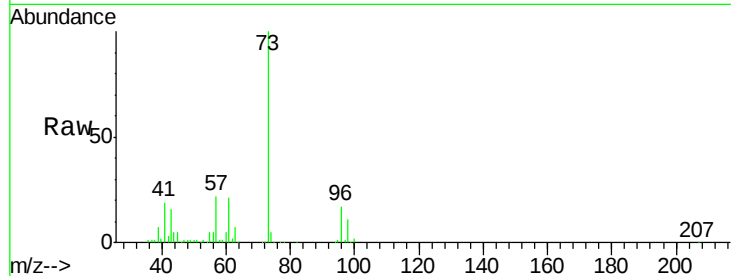
Tgt Ion: 73 Resp: 238830

Ion Ratio Lower Upper

73 100

43 16.3 12.9 19.3

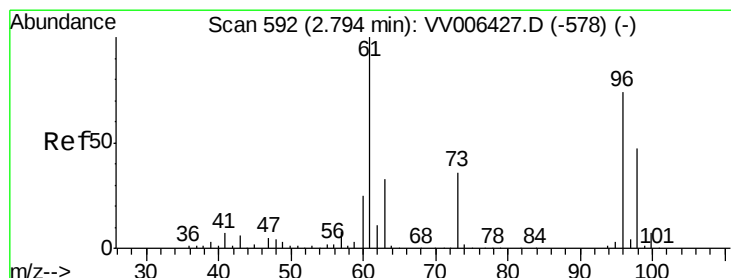
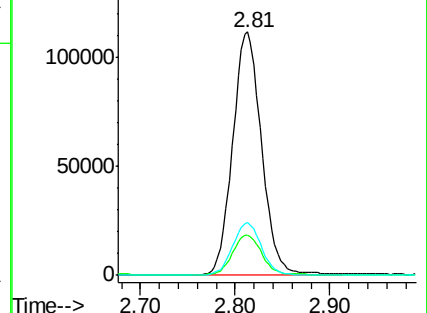
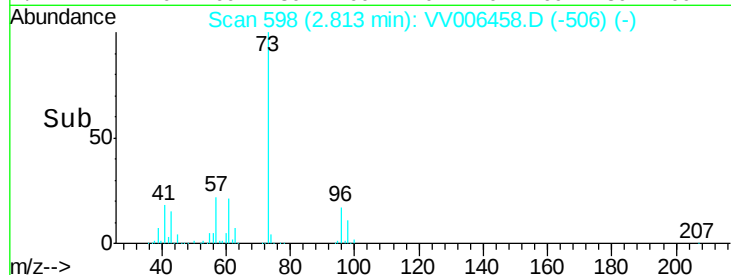
57 21.8 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006427.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006427.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006427.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.991 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

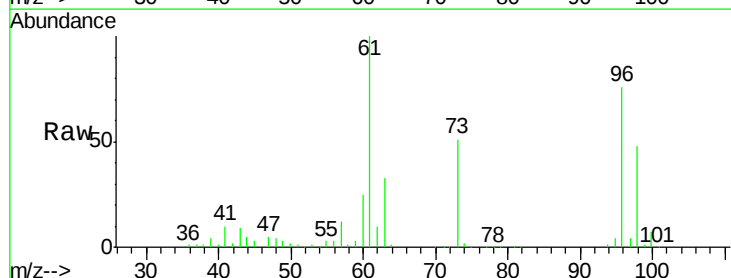
Tgt Ion: 96 Resp: 109687

Ion Ratio Lower Upper

96 100

61 132.0 94.4 175.2

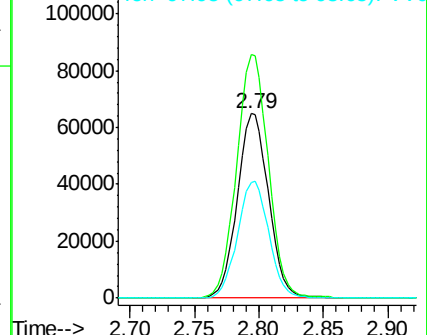
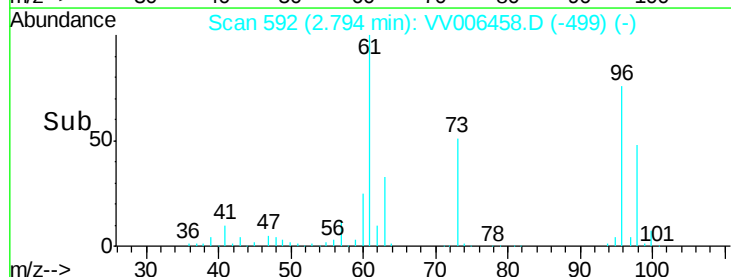
98 63.0 44.3 82.3

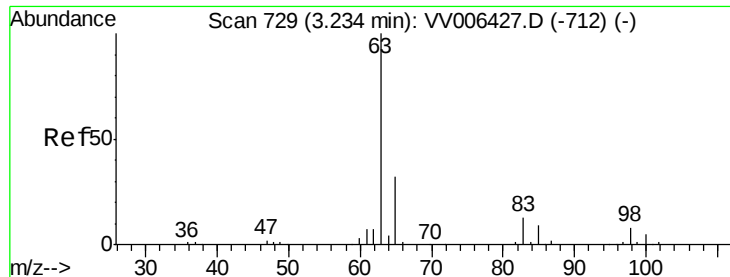


Abundance Ion 96.00 (95.70 to 96.70): VV006427.D (-578) (-)

Ion 61.05 (60.75 to 61.75): VV006427.D (-578) (-)

Ion 97.95 (97.65 to 98.65): VV006427.D (-578) (-)

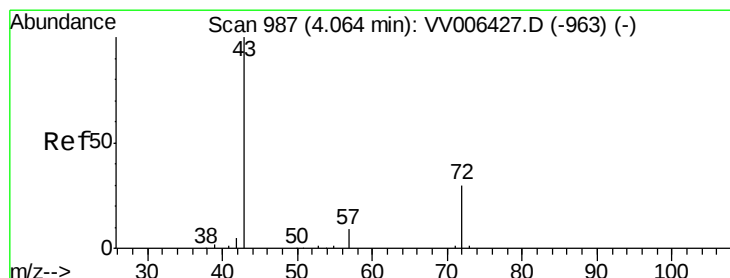
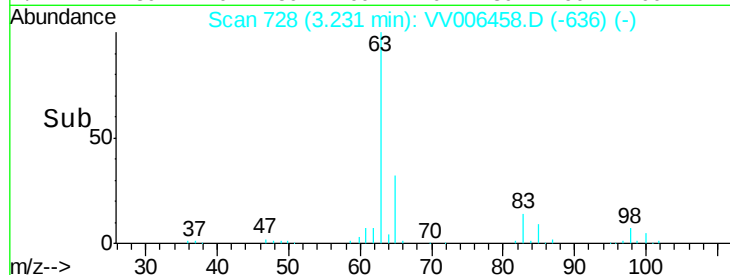
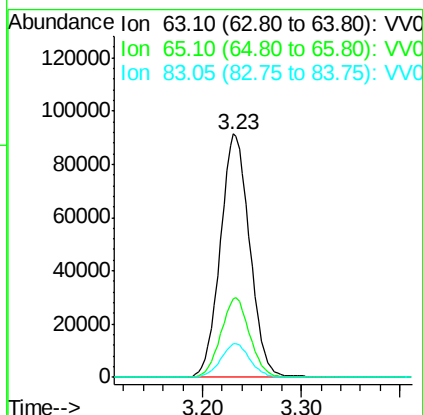
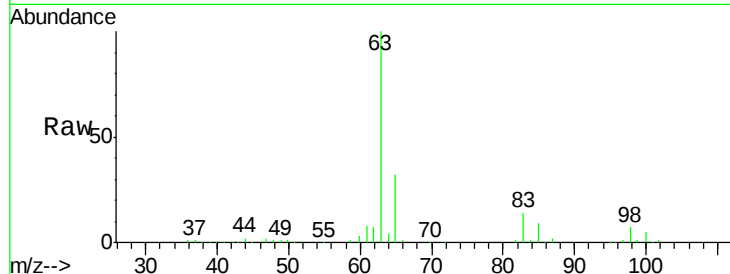




#19
 1,1-Dichloroethane
 Concen: 4.869 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

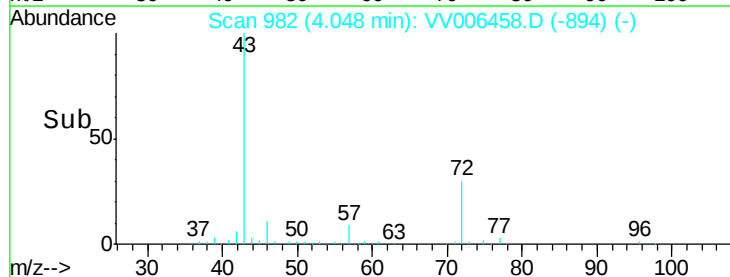
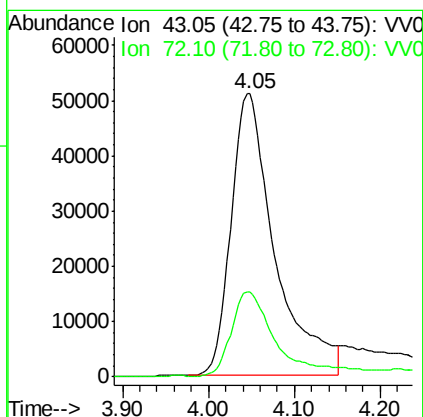
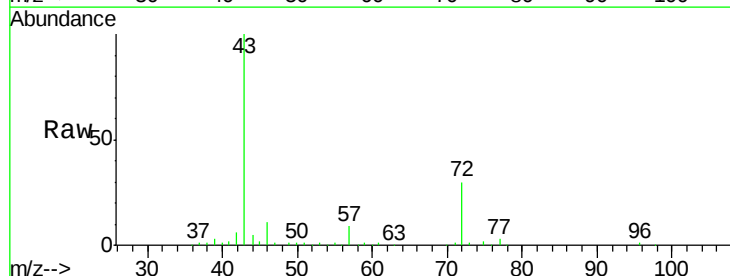
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

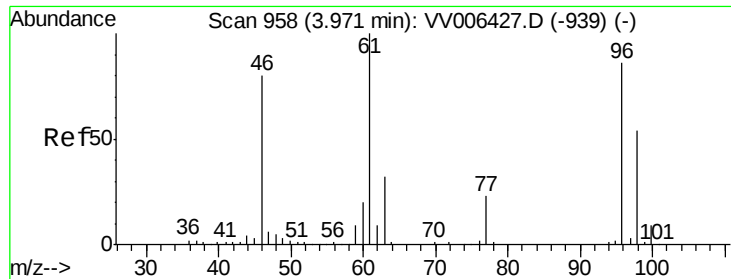
Tgt Ion: 63 Resp: 190584
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 13.6 9.2 17.2



#21
 2-Butanone
 Concen: 39.909 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. -0.02 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Tgt Ion: 43 Resp: 180796
 Ion Ratio Lower Upper
 43 100
 72 30.3 15.4 46.1



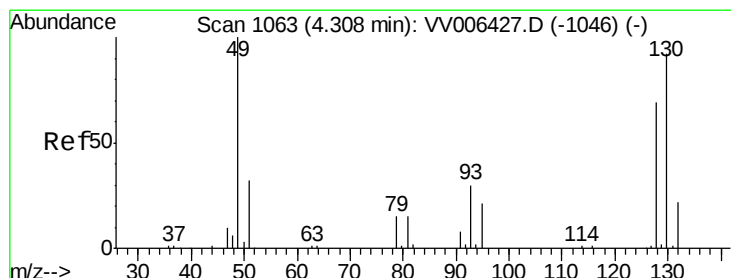
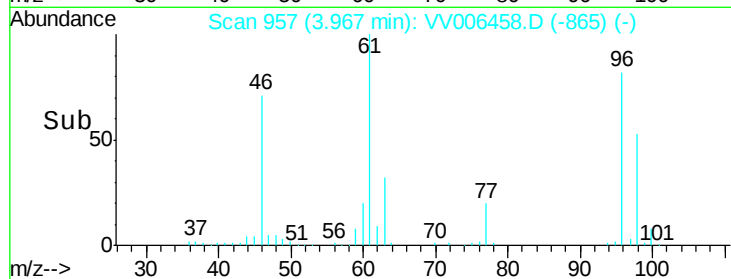
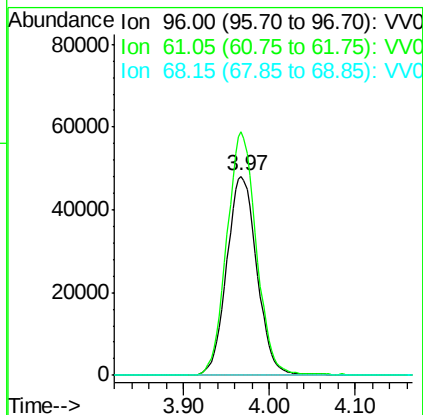
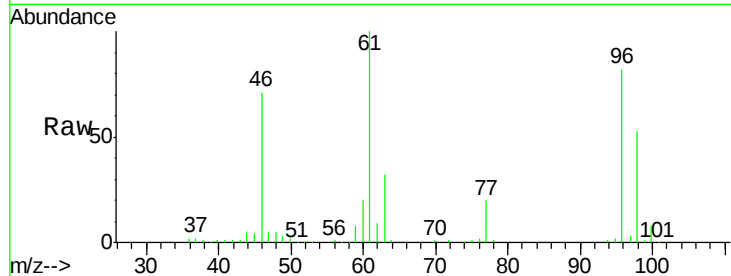


#22

cis-1,2-Dichloroethene
Concen: 4.857 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

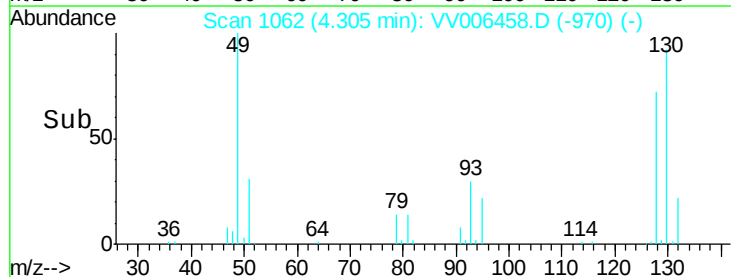
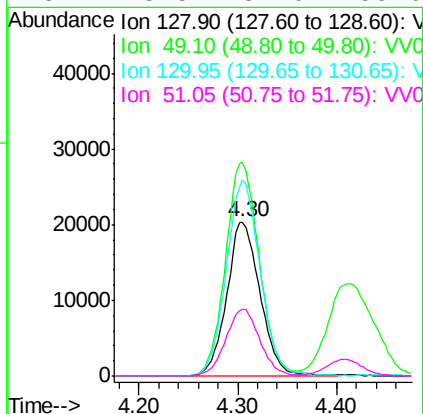
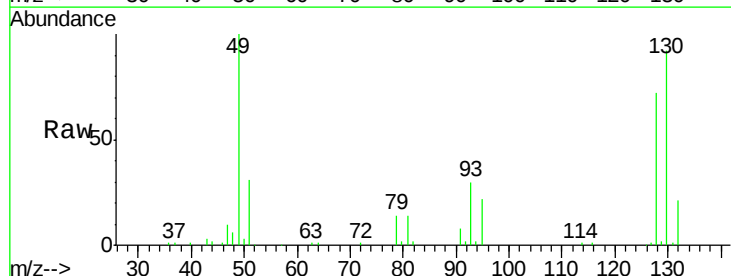
Tgt Ion: 96 Resp: 117367
Ion Ratio Lower Upper
96 100
61 122.5 81.8 151.8
68 0.0 0.0 0.0

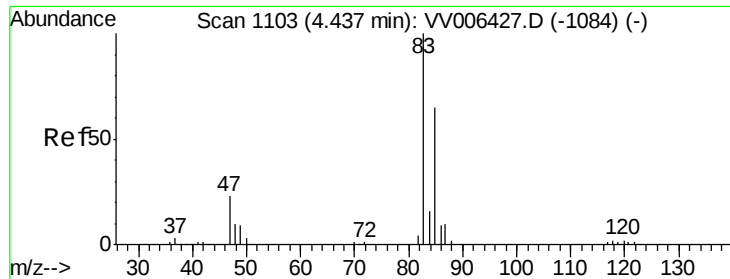


#23

Bromochloromethane
Concen: 4.896 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion: 128 Resp: 48074
Ion Ratio Lower Upper
128 100
49 138.6 101.2 188.0
130 127.0 93.0 172.6
51 43.5 37.0 55.6

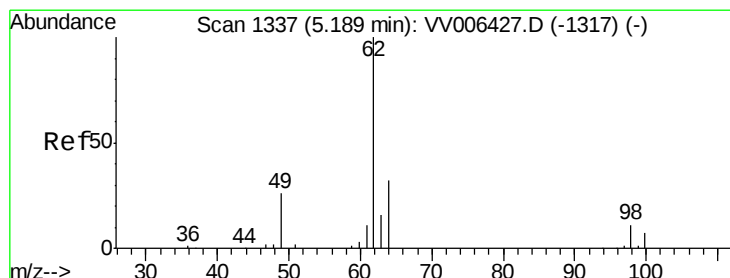
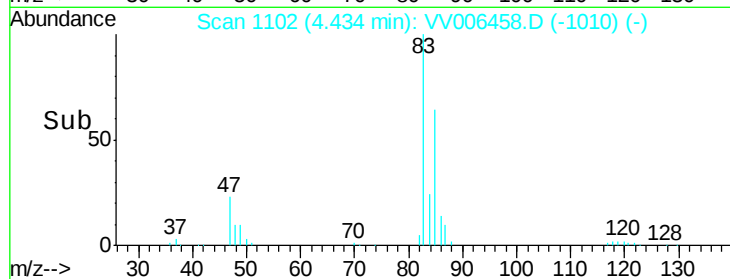
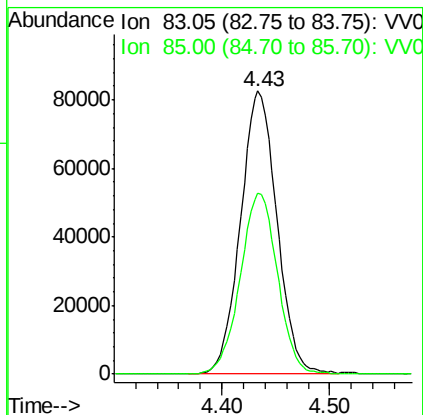
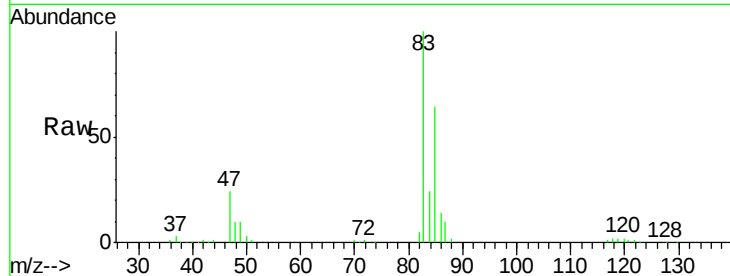




#25
Chloroform
Concen: 4.918 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

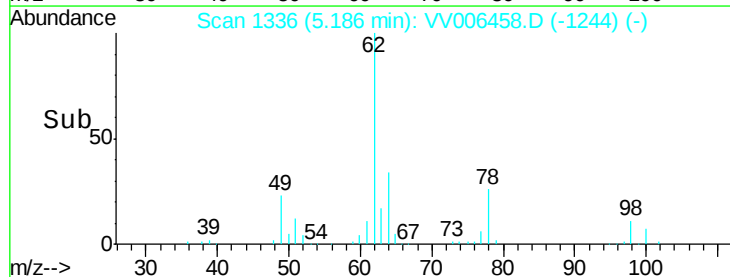
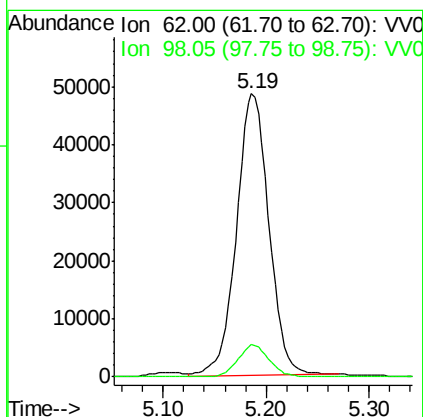
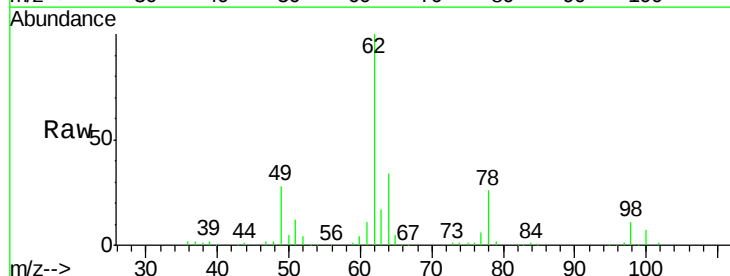
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

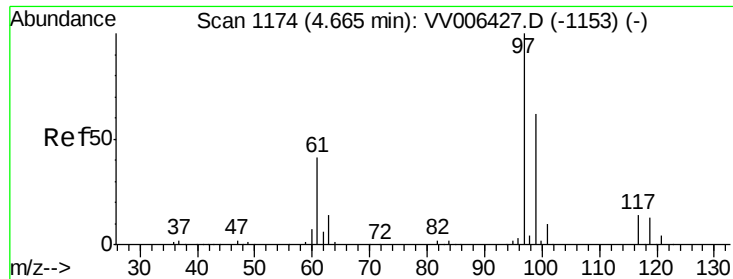
Tgt Ion: 83 Resp: 194004
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.802 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion: 62 Resp: 106450
Ion Ratio Lower Upper
62 100
98 11.3 8.8 13.2

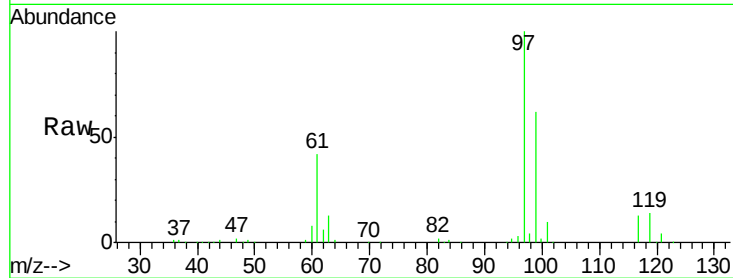




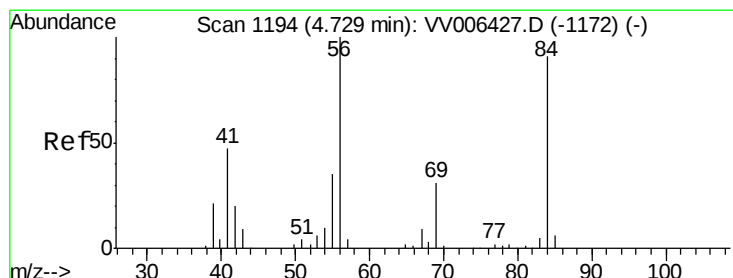
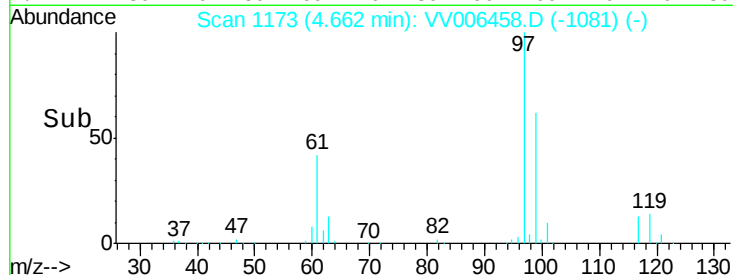
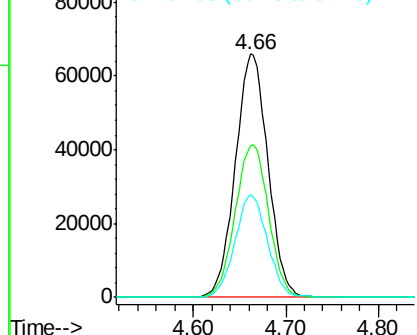
#29
 1,1,1-Trichloroethane
 Concen: 4.836 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion: 97 Resp: 160519
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 42.1 33.8 50.6

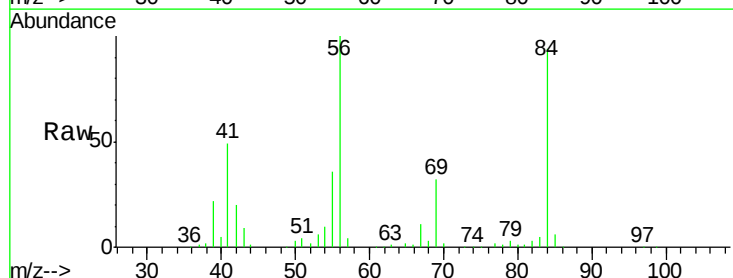


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

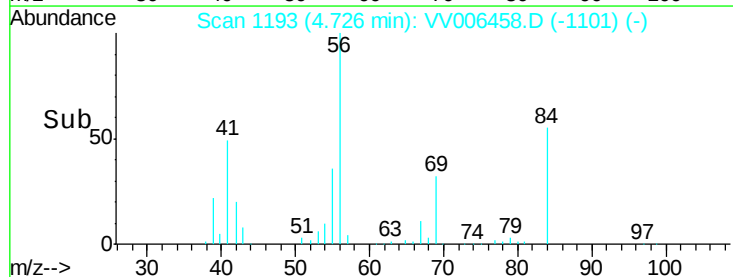
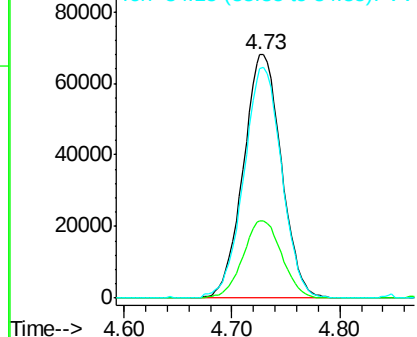


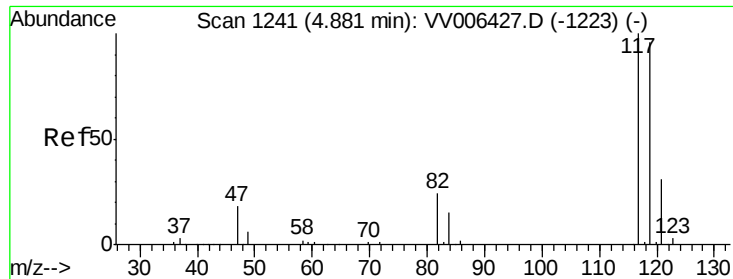
#30
 Cyclohexane
 Concen: 5.030 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Tgt Ion: 56 Resp: 166891
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.6 38.4
 84 94.4 75.4 113.0



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.827 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

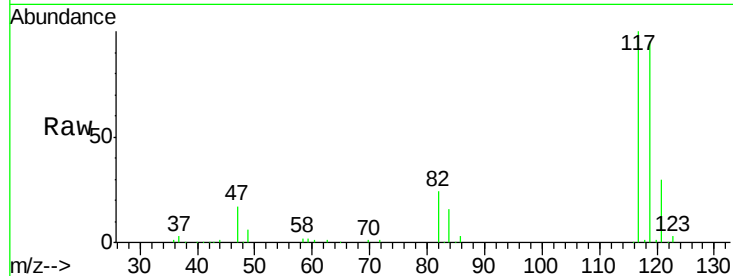
VSTD00562

Tgt Ion:117 Resp: 134414

Ion Ratio Lower Upper

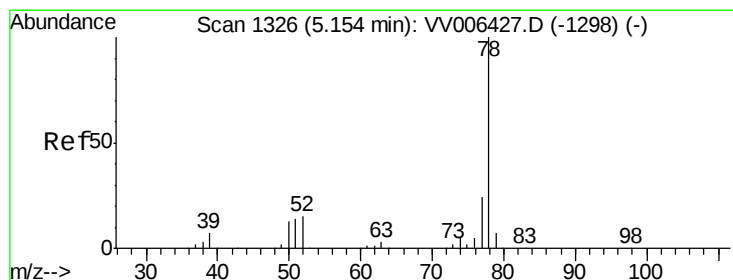
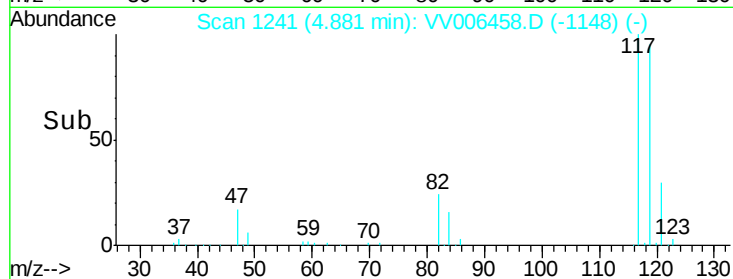
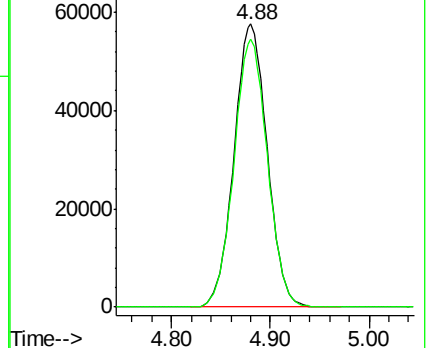
117 100

119 95.4 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.910 ug/L

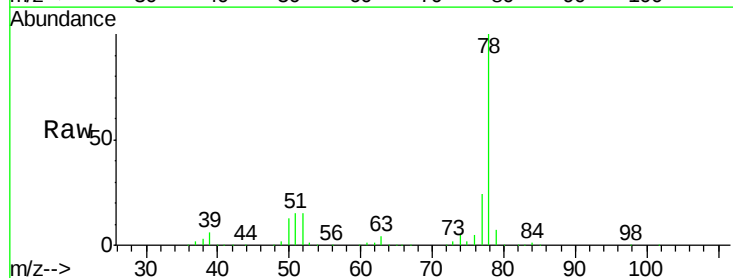
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

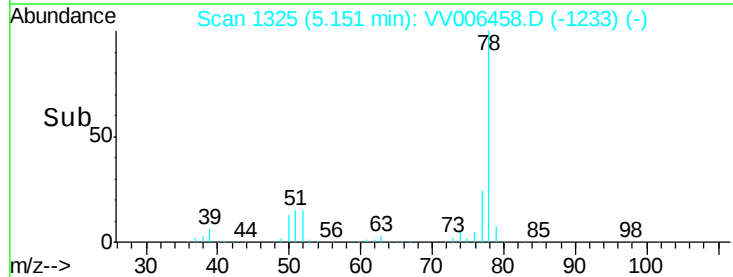
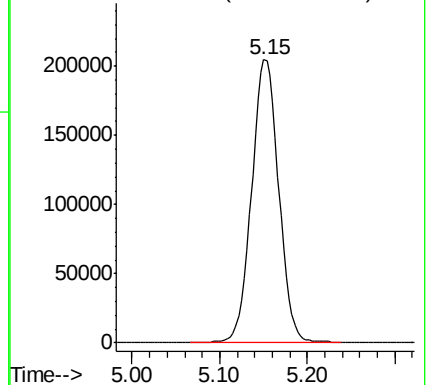
Lab File: VV006458.D

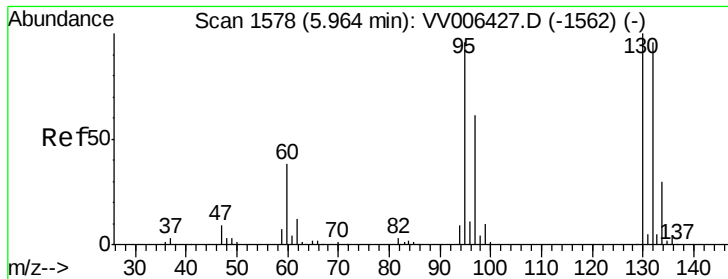
Acq: 26 Jun 2018 10:11

Tgt Ion: 78 Resp: 441410



Abundance Ion 78.10 (77.80 to 78.80): VV0

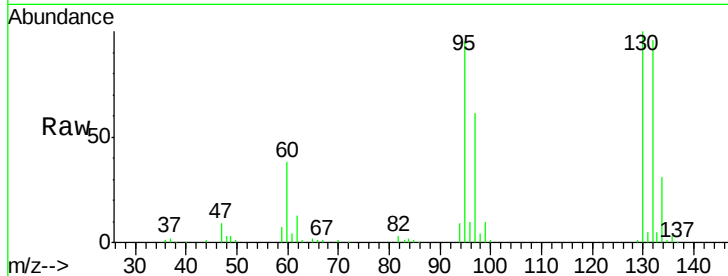




#34
 Trichloroethene
 Concen: 4.895 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:	95	Resp:	125897
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.6	82.8
132	101.5	70.1	130.1
130	105.6	73.3	136.1

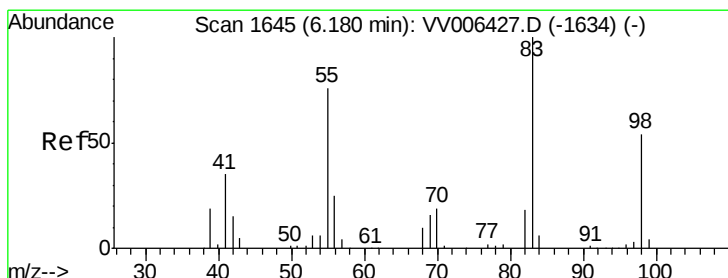
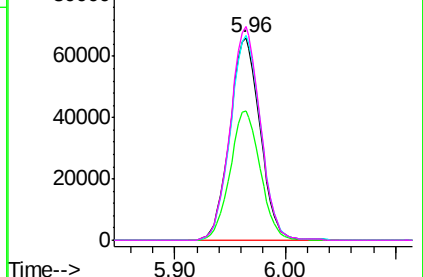
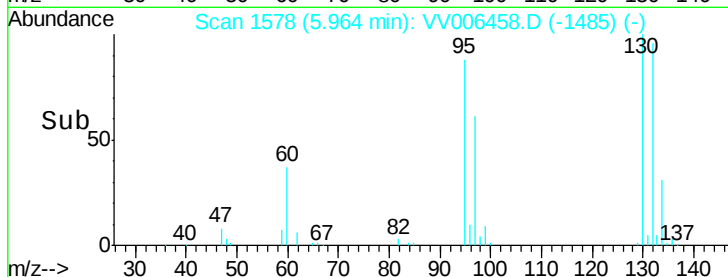


Abundance Ion 95.00 (94.70 to 95.70): VV006458.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006458.D (-1485) (-)

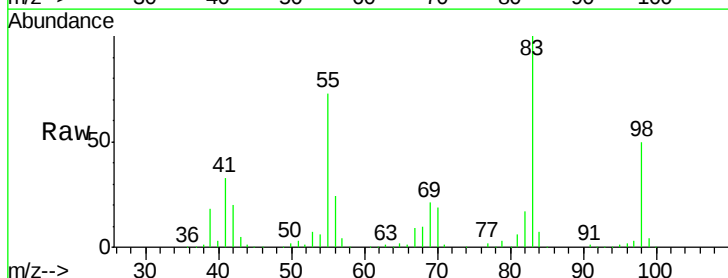
Ion 131.95 (131.65 to 132.65): VV006458.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006458.D (-1485) (-)



#35
 Methylcyclohexane
 Concen: 5.142 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

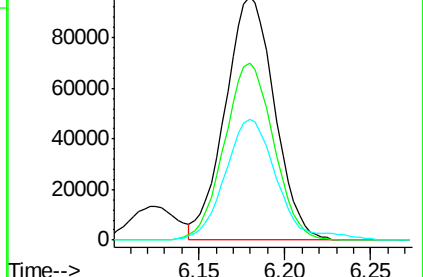
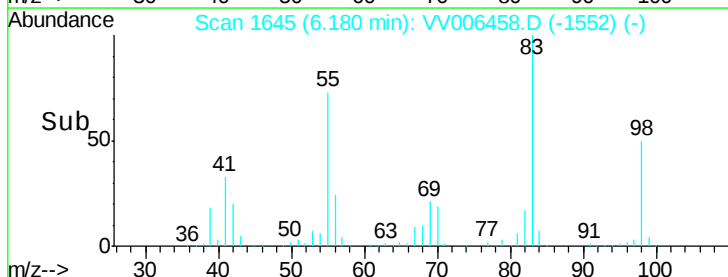
Tgt Ion:	83	Resp:	192278
Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.5	86.3
98	52.1	39.6	59.4

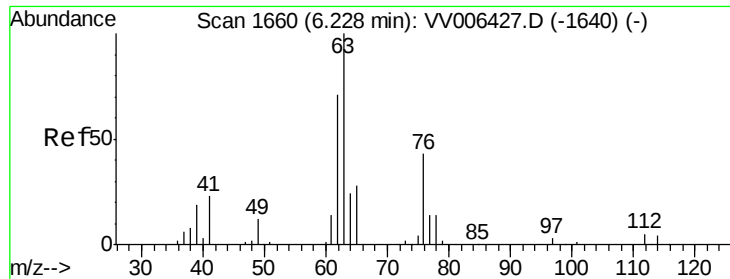


Abundance Ion 83.15 (82.85 to 83.85): VV006458.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006458.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006458.D (-1552) (-)

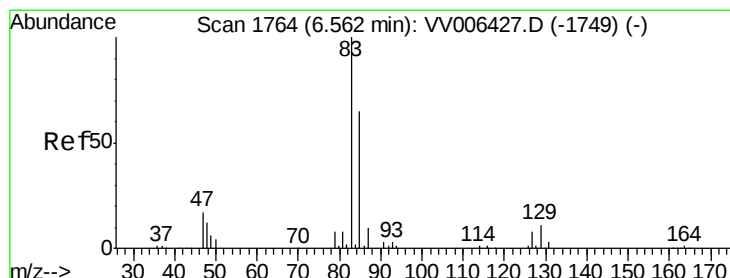
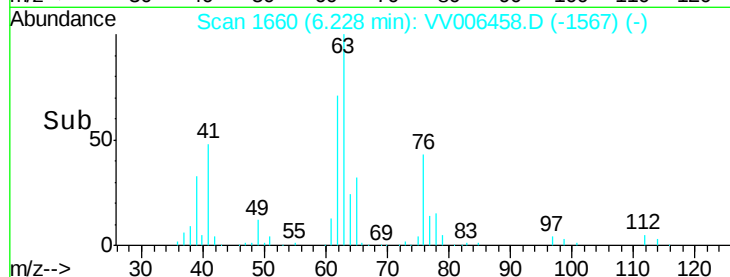
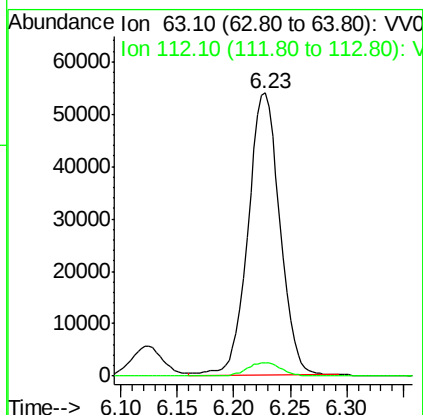
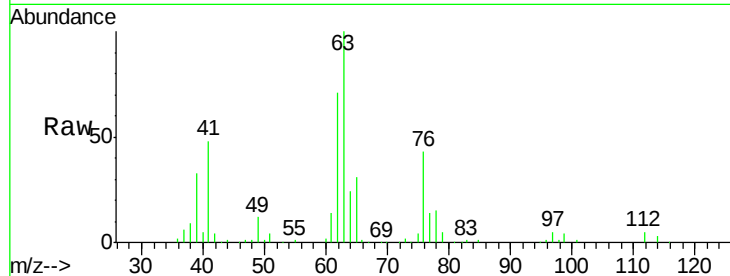




#37
 1,2-Dichloropropane
 Concen: 4.806 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

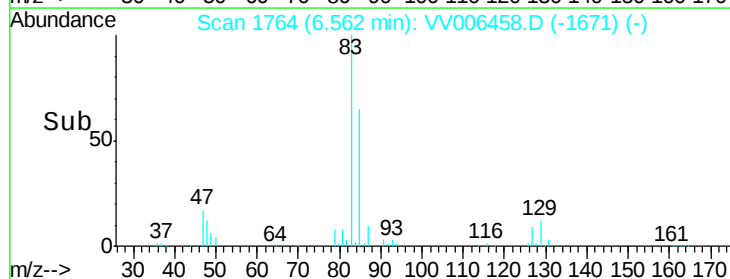
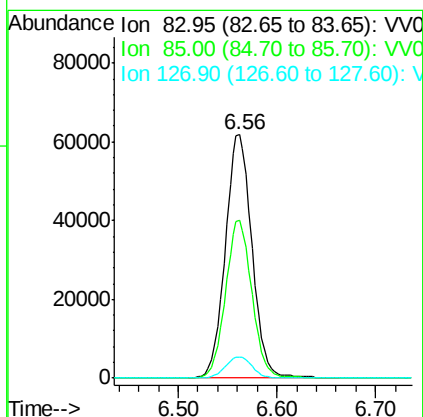
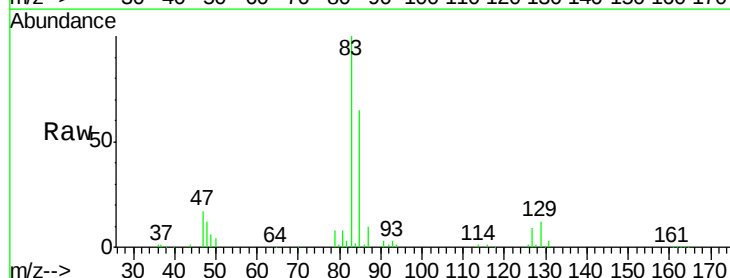
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

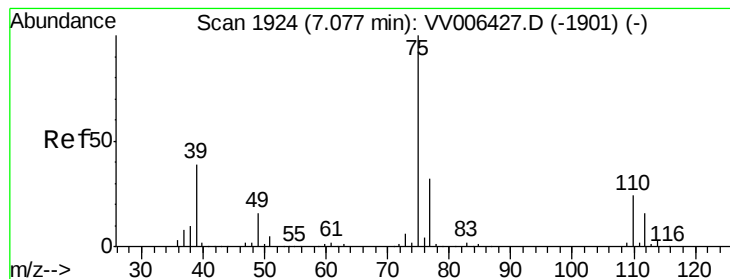
Tgt Ion: 63 Resp: 105591
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.0 6.0



#38
 Bromodichloromethane
 Concen: 4.623 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Tgt Ion: 83 Resp: 116908
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.9
 127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.727 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

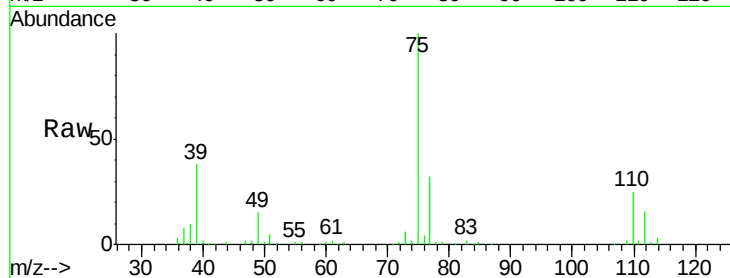
VSTD00562

Tgt Ion: 75 Resp: 144503

Ion Ratio Lower Upper

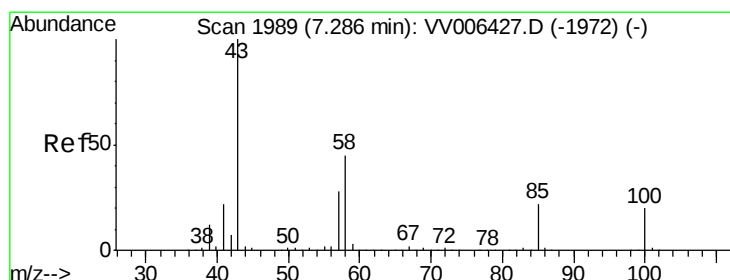
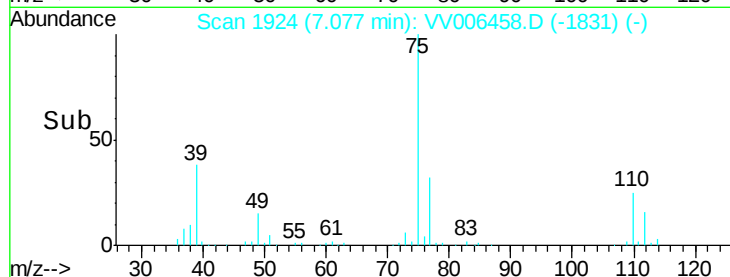
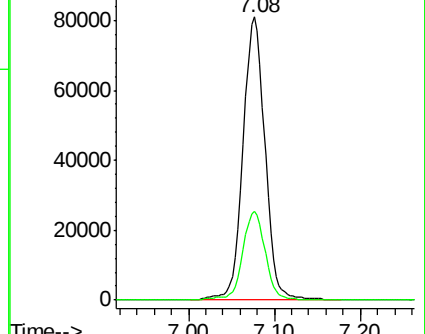
75 100

77 31.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 47.553 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

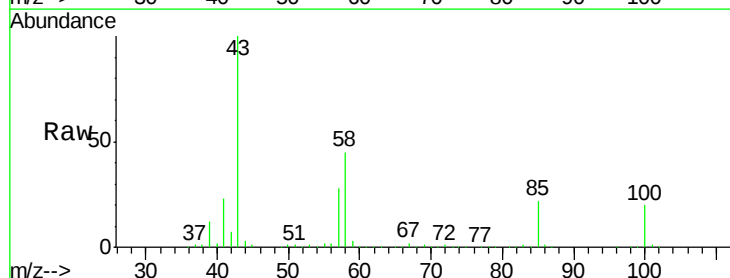
Tgt Ion: 43 Resp: 508344

Ion Ratio Lower Upper

43 100

58 45.8 35.4 53.2

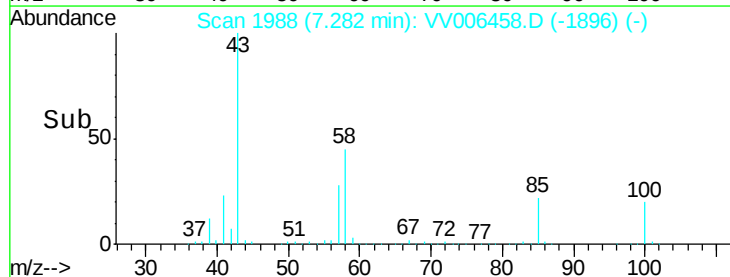
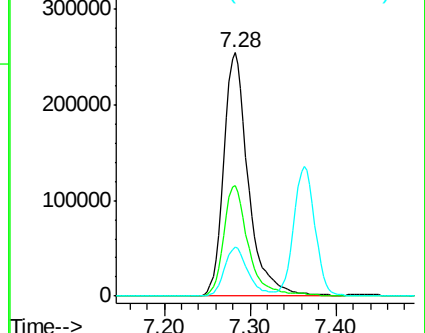
100 19.3 15.5 23.3

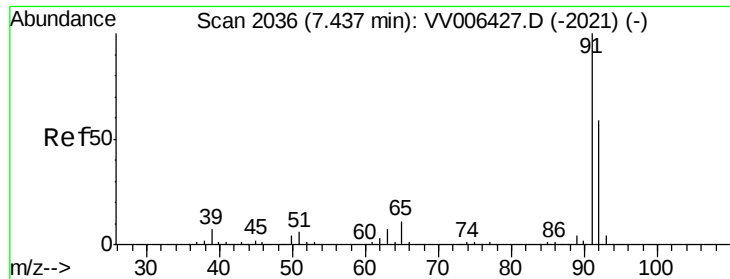


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.008 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

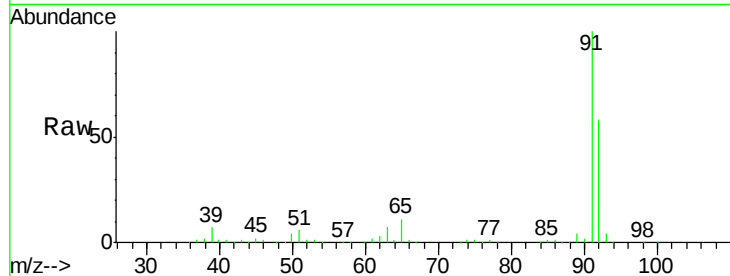
VSTD00562

Tgt Ion: 91 Resp: 476820

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

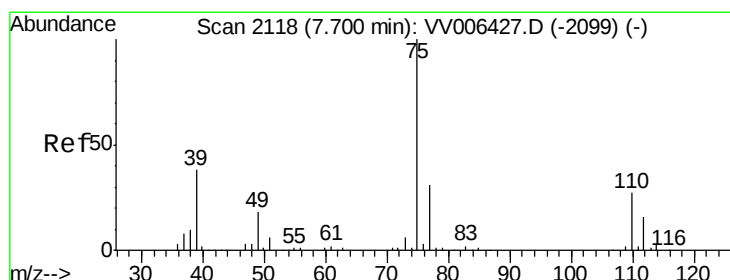
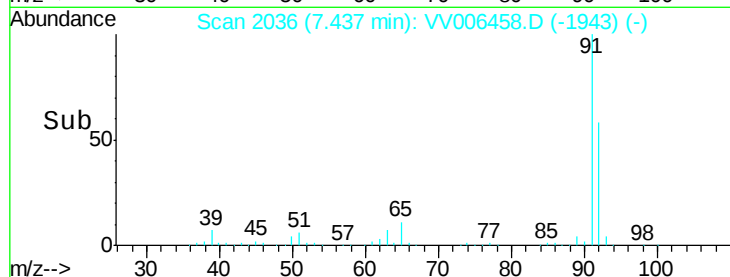
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.626 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006458.D

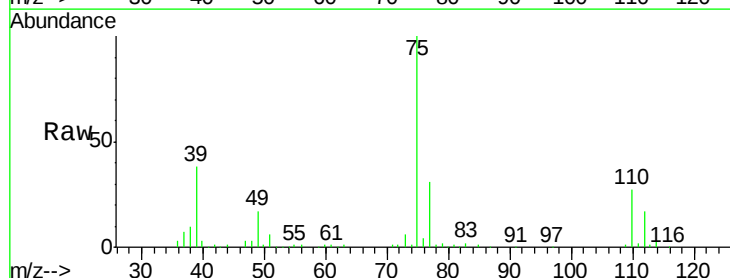
Acq: 26 Jun 2018 10:11

Tgt Ion: 75 Resp: 110917

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

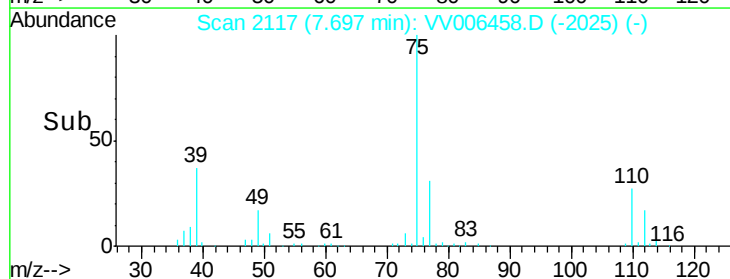
60000

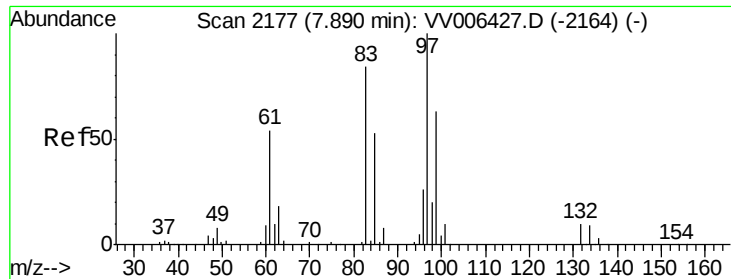
40000

20000

0

Time-->

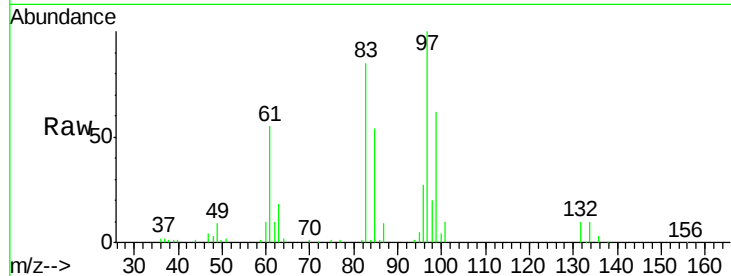




#45
 1,1,2-Trichloroethane
 Concen: 4.920 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:	97	Resp:	74648
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.2
83	84.6	59.0	109.6
85	54.1	36.8	68.3

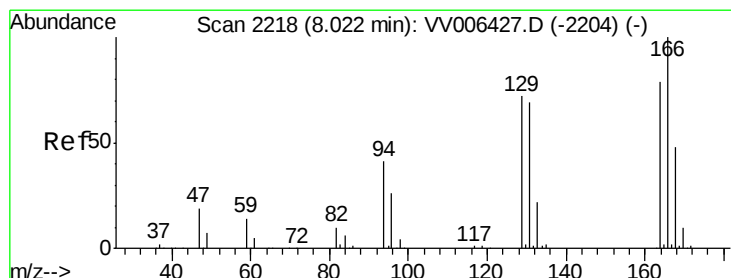
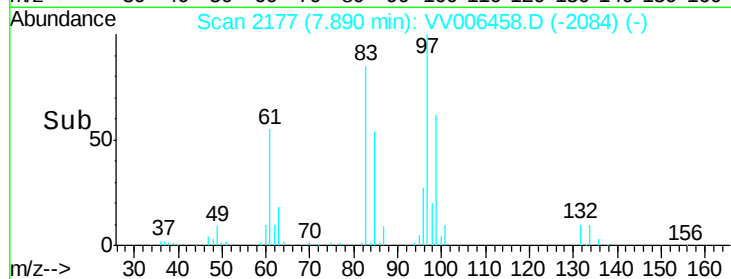
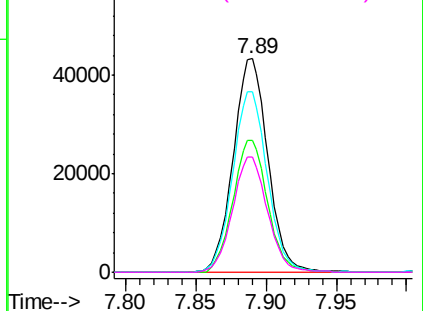


Abundance Ion 96.95 (96.65 to 97.65): VV006458.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006458.D (-2084) (-)

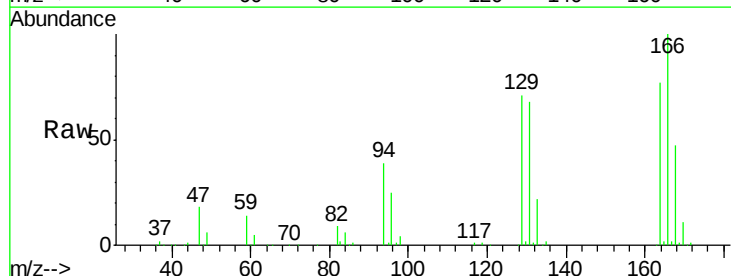
Ion 82.95 (82.65 to 83.65): VV006458.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006458.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 5.008 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Tgt Ion:	164	Resp:	97298
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.0	118.8
131	88.1	61.7	114.5
166	130.4	89.0	165.2

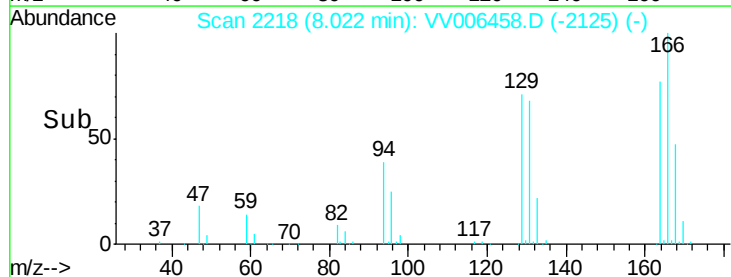
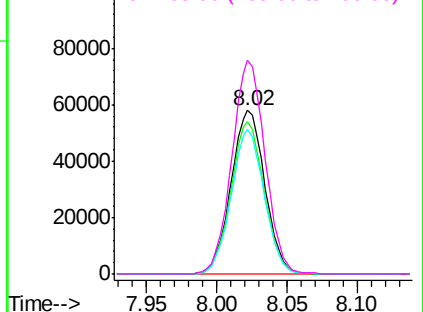


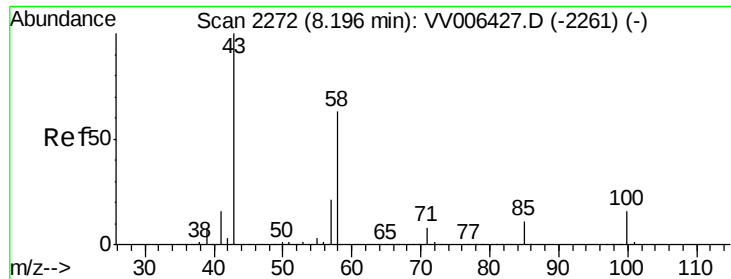
Abundance Ion 163.90 (163.60 to 164.60): VV006458.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006458.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006458.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006458.D (-2125) (-)

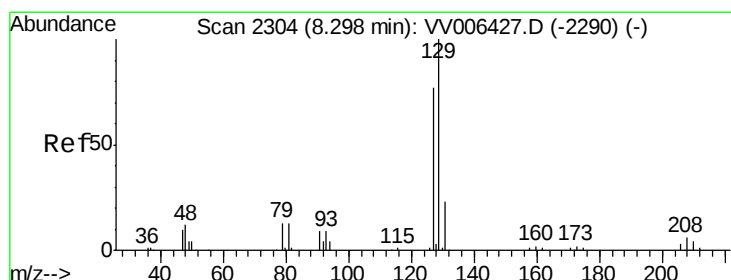
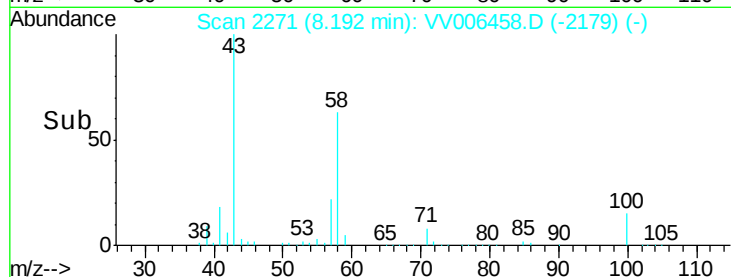
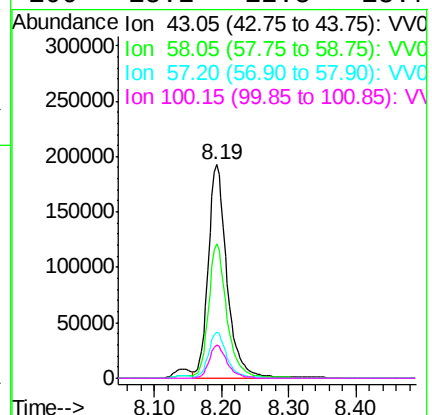
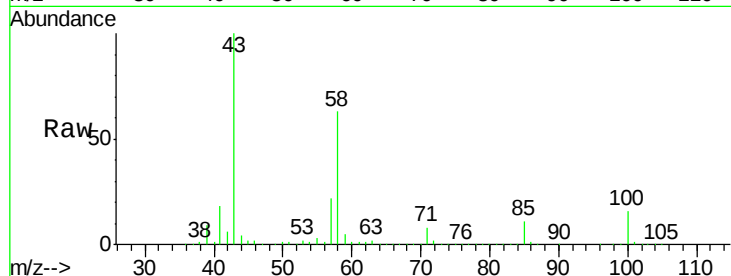




#48
2-Hexanone
Concen: 48.012 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

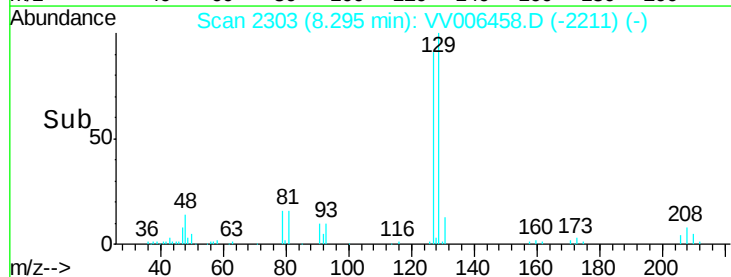
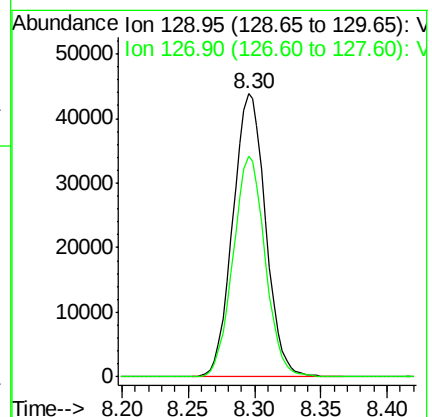
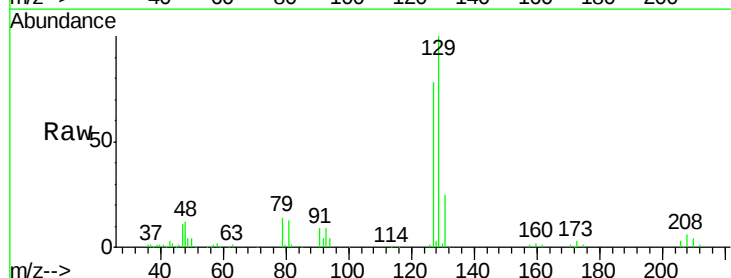
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

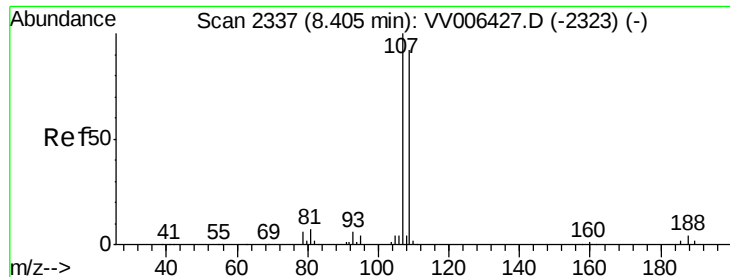
Tgt Ion: 43 Resp: 369248
Ion Ratio Lower Upper
43 100
58 61.2 49.9 74.9
57 21.5 17.3 25.9
100 15.2 12.5 18.7



#49
Dibromochloromethane
Concen: 4.646 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion: 129 Resp: 75145
Ion Ratio Lower Upper
129 100
127 77.8 54.0 100.2

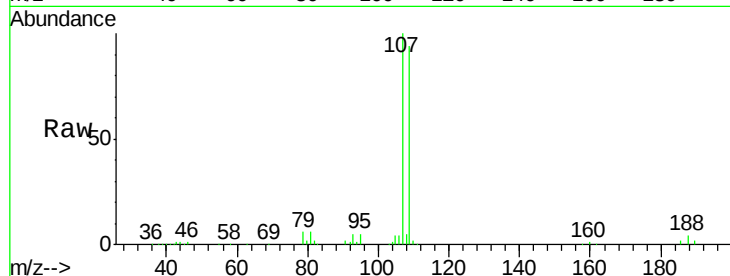




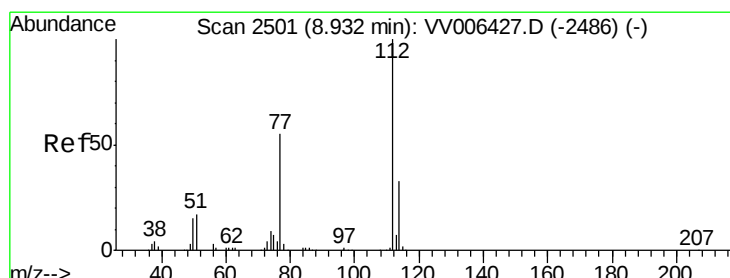
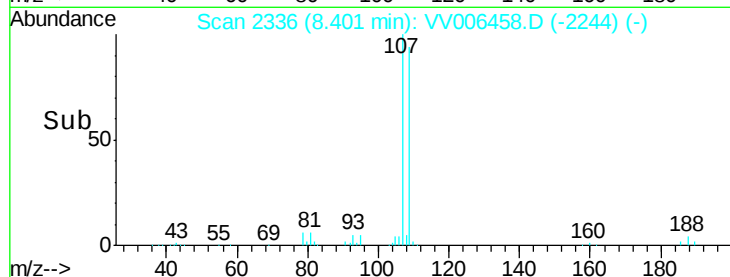
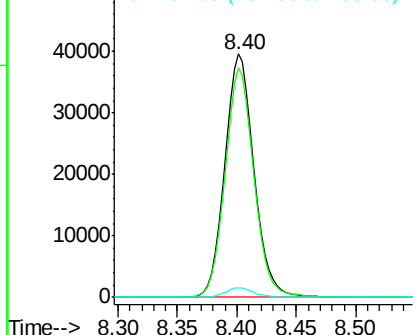
#50
1,2-Dibromoethane
Concen: 4.908 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 66945
Ion Ratio Lower Upper
107 100
109 94.1 64.3 119.5
188 3.9 3.0 4.6

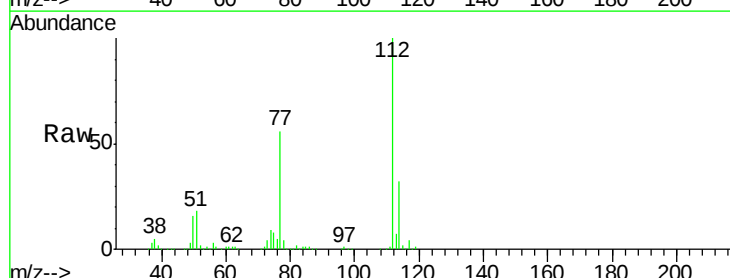


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

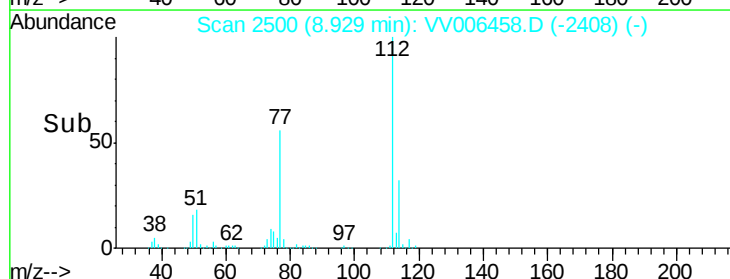
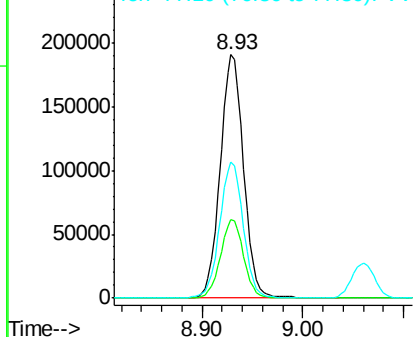


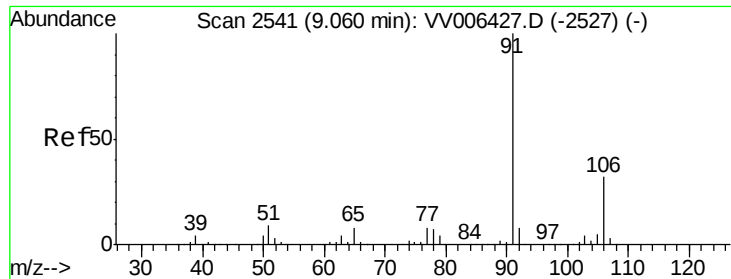
#51
Chlorobenzene
Concen: 4.908 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion:112 Resp: 309159
Ion Ratio Lower Upper
112 100
114 32.4 22.8 42.4
77 55.9 44.6 66.8



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





#52

Ethylbenzene

Concen: 5.024 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

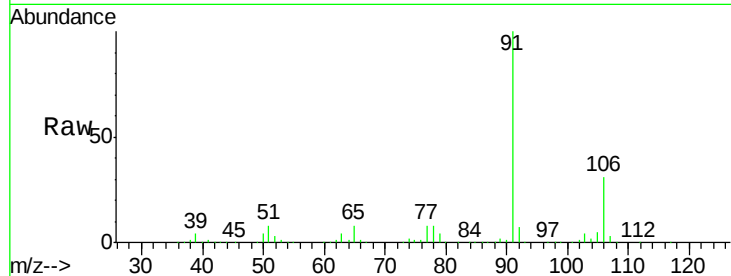
VSTD00562

Tgt Ion: 91 Resp: 517847

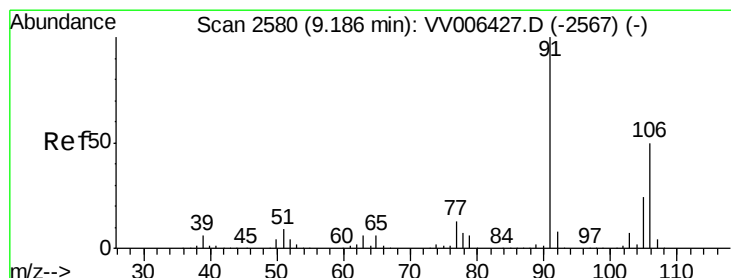
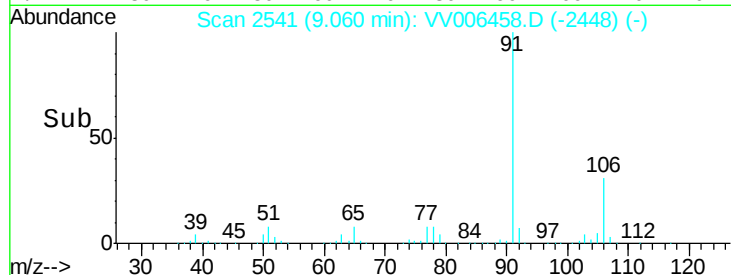
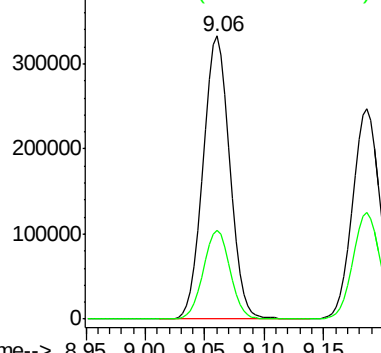
Ion Ratio Lower Upper

91 100

106 31.5 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006458.D (-2448) (-)



#53

m,p-xylene

Concen: 5.074 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006458.D

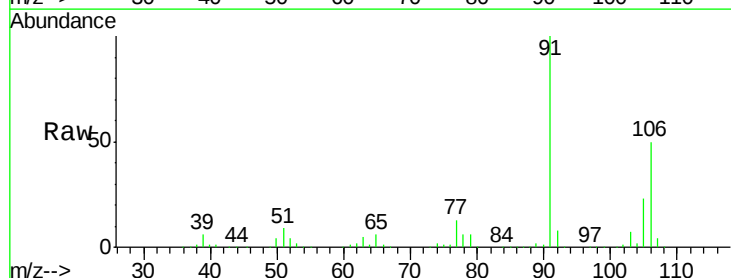
Acq: 26 Jun 2018 10:11

Tgt Ion: 106 Resp: 201693

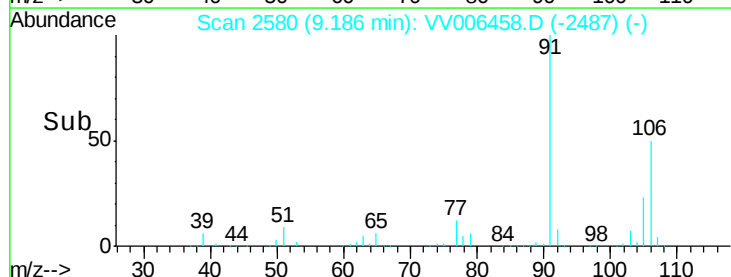
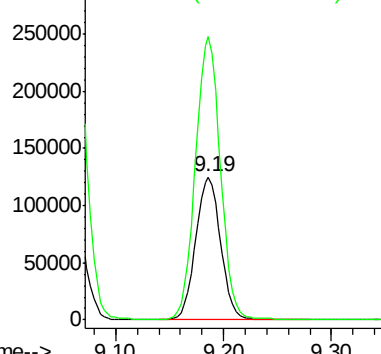
Ion Ratio Lower Upper

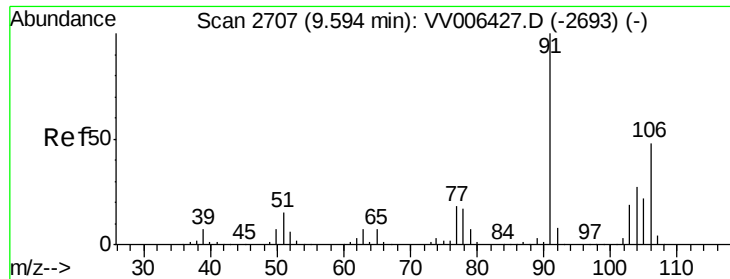
106 100

91 198.3 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006458.D (-2487) (-)

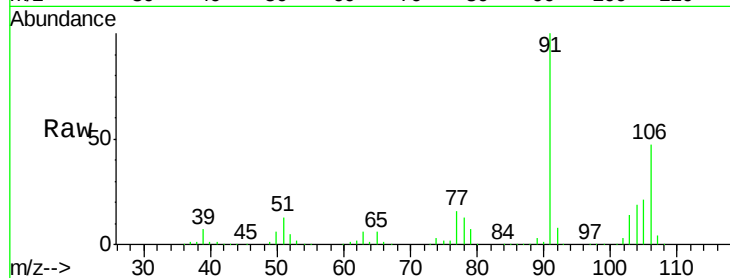




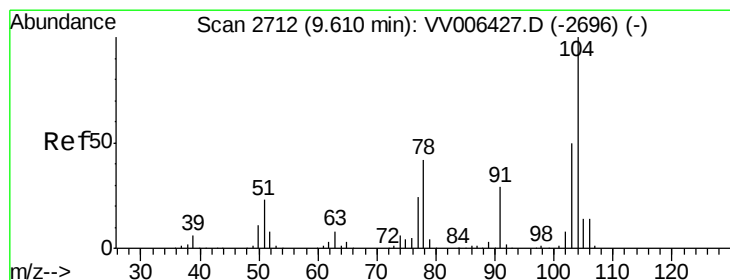
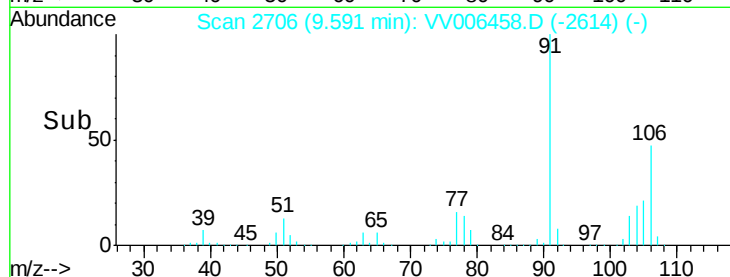
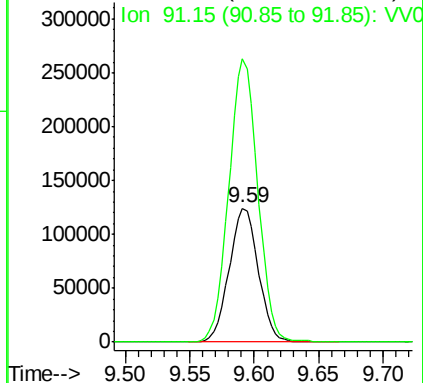
#54
o-xylene
Concen: 5.001 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:106 Resp: 195026
Ion Ratio Lower Upper
106 100
91 211.1 145.7 270.7

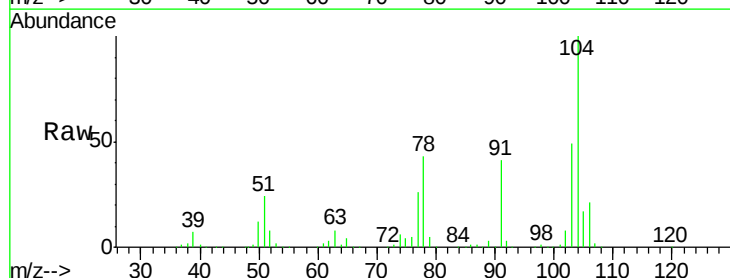


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

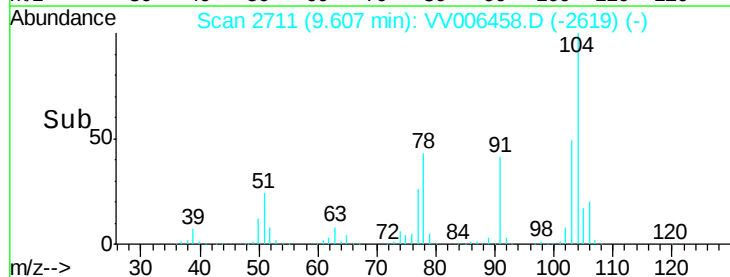
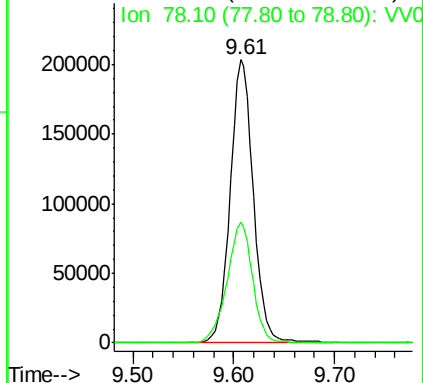


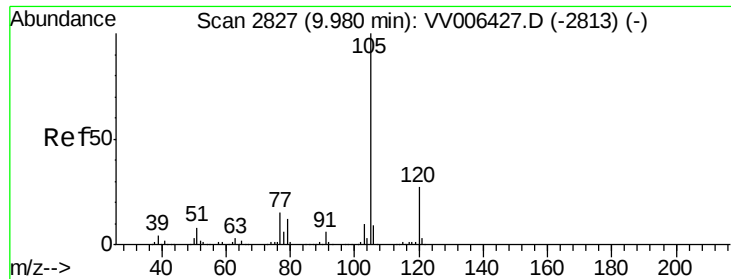
#55
Styrene
Concen: 5.100 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: VV006458.D
Acq: 26 Jun 2018 10:11

Tgt Ion:104 Resp: 325408
Ion Ratio Lower Upper
104 100
78 42.5 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: 5.078 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

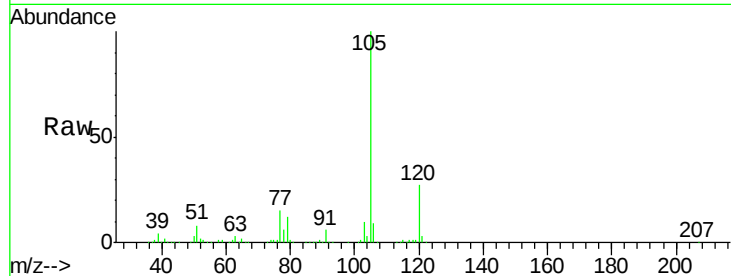
Tgt Ion: 105 Resp: 516017

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

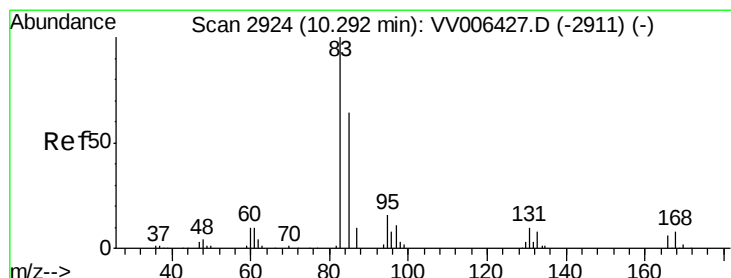
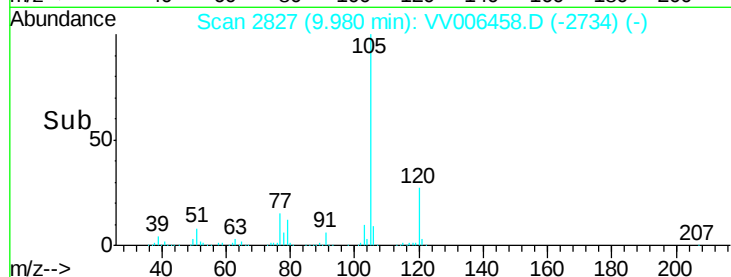
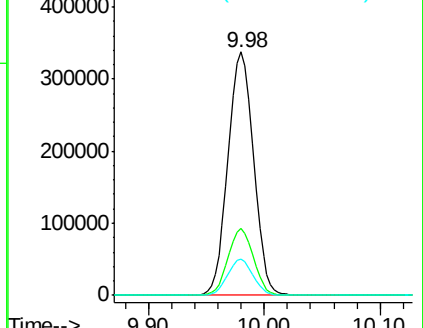
77 14.8 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.705 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

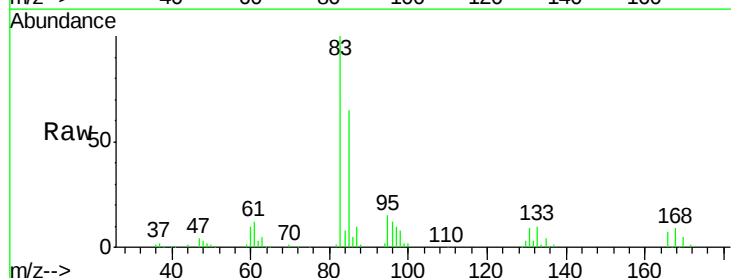
Tgt Ion: 83 Resp: 67330

Ion Ratio Lower Upper

83 100

85 64.5 44.8 83.2

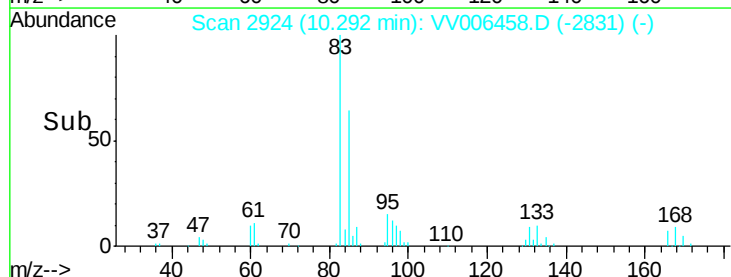
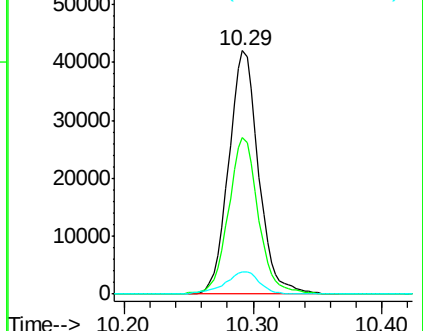
131 9.3 7.9 11.9

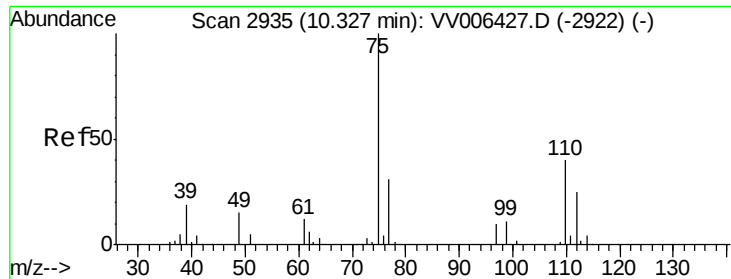


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.892 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

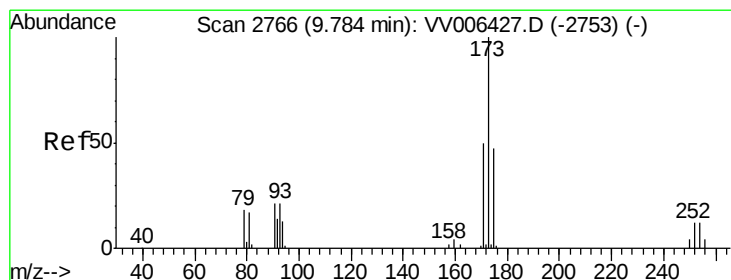
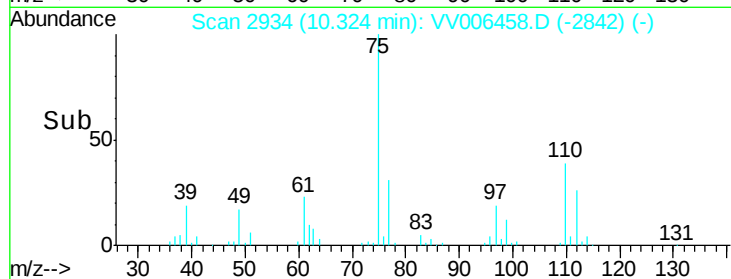
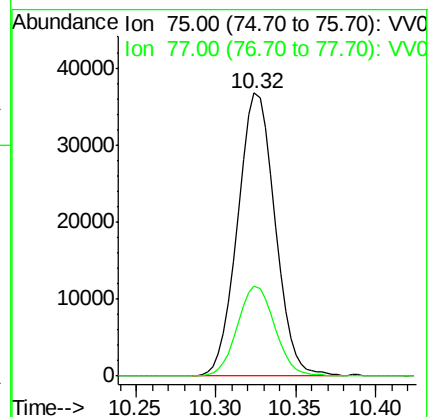
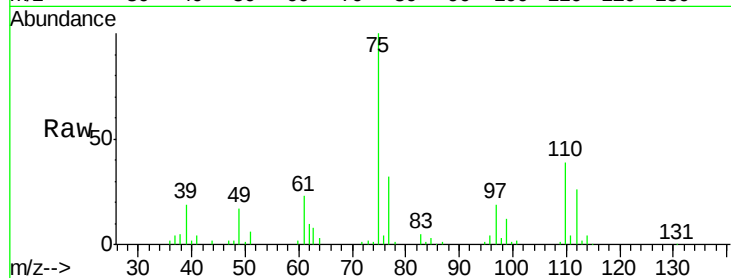
VSTD00562

Tgt Ion: 75 Resp: 58461

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 4.362 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

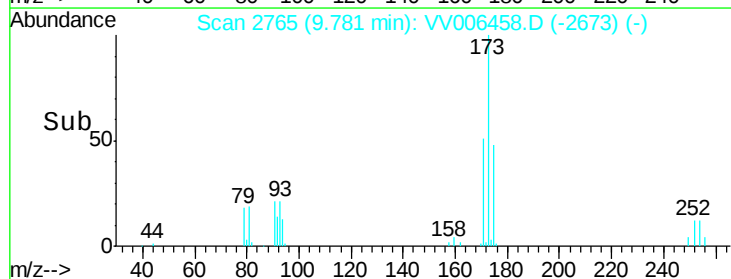
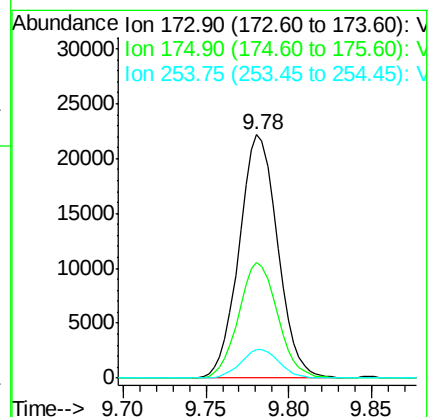
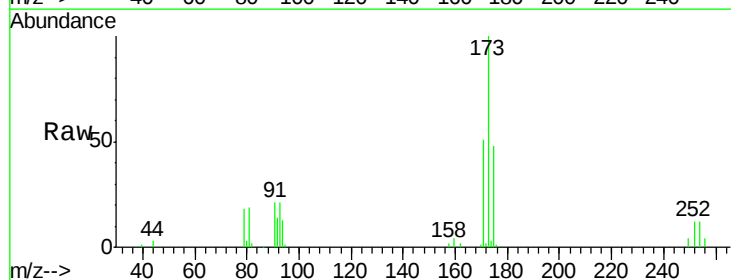
Tgt Ion: 173 Resp: 35918

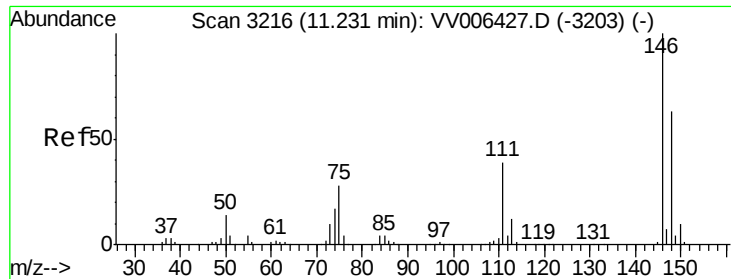
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 11.5 9.0 13.6

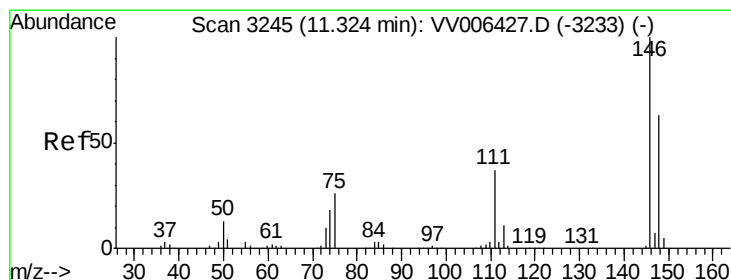
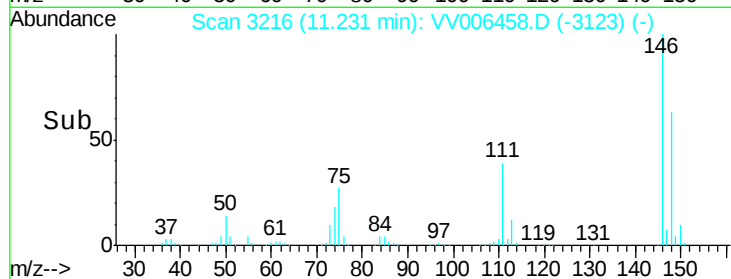
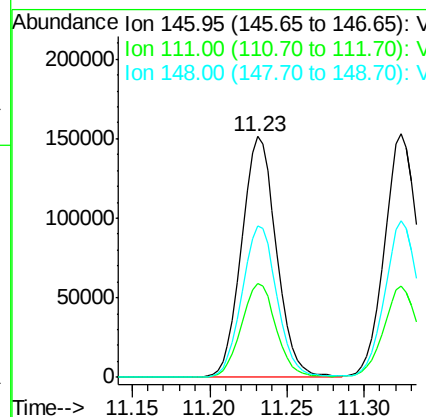
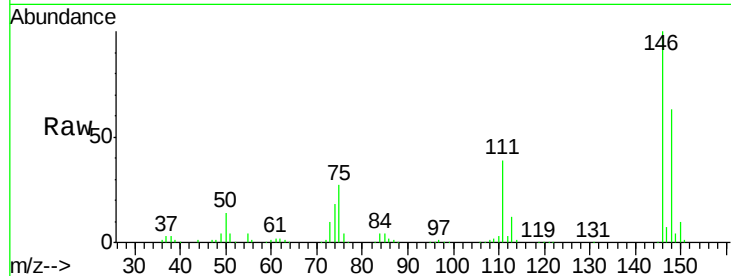




#62
 1,3-Dichlorobenzene
 Concen: 4.901 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

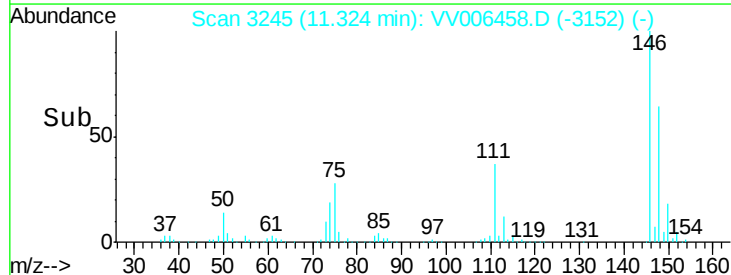
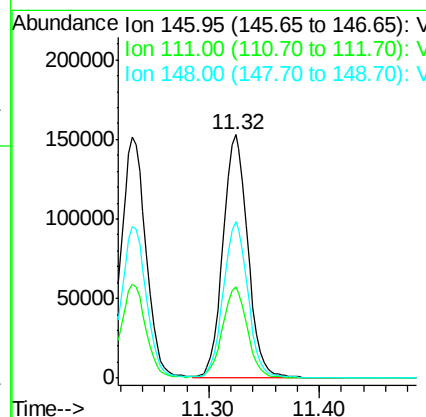
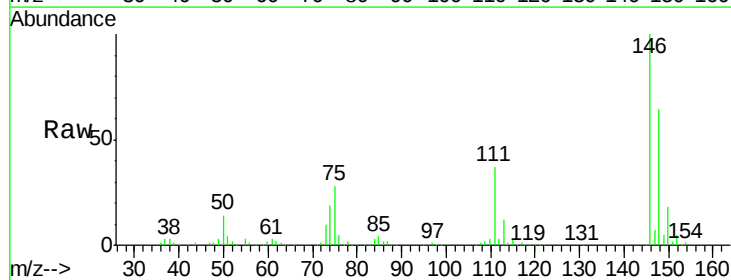
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

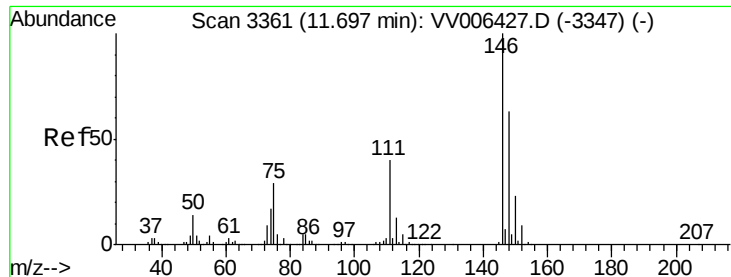
Tgt Ion:146 Resp: 236830
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 51.0
 148 62.7 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Tgt Ion:146 Resp: 239310
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.3 48.9
 148 64.4 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

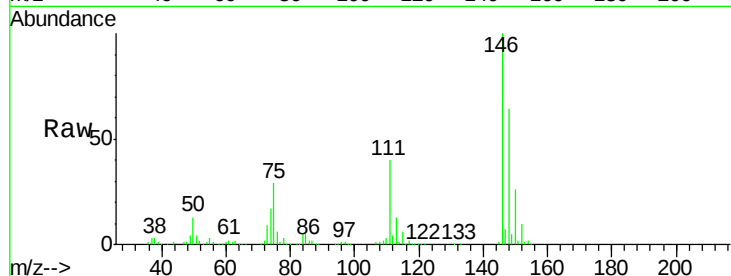
Tgt Ion:146 Resp: 223947

Ion Ratio Lower Upper

146 100

111 40.0 32.0 48.0

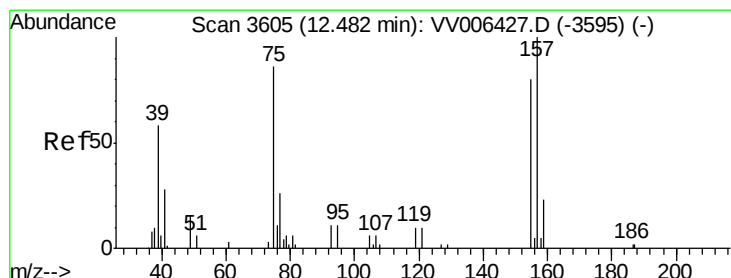
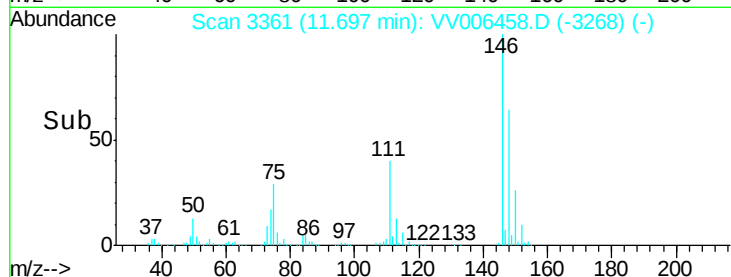
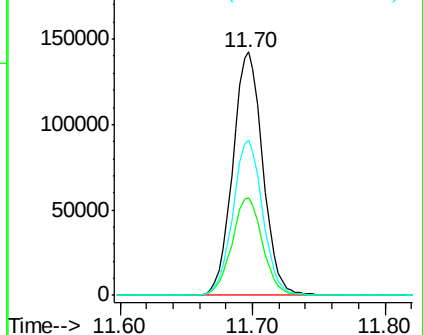
148 63.7 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.060 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

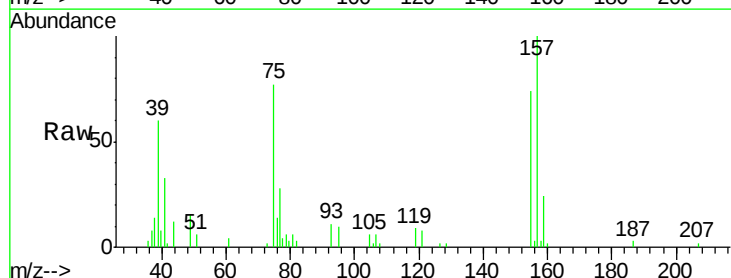
Tgt Ion: 75 Resp: 7803

Ion Ratio Lower Upper

75 100

155 96.5 73.9 110.9

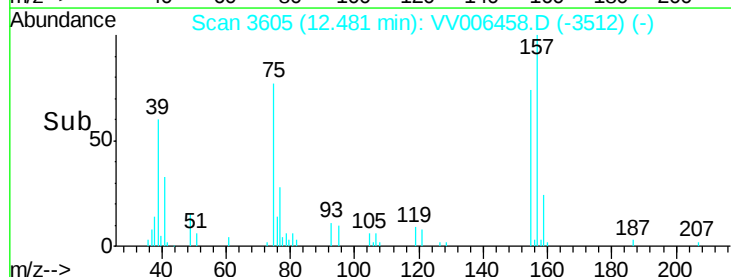
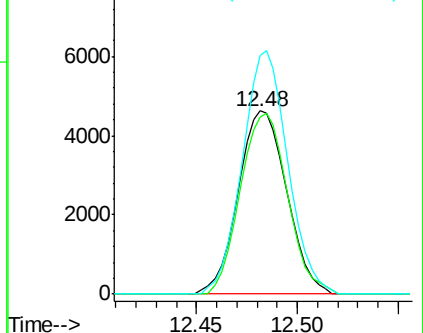
157 130.1 92.9 139.3

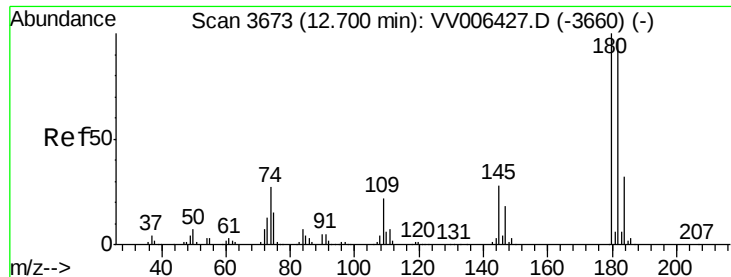


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

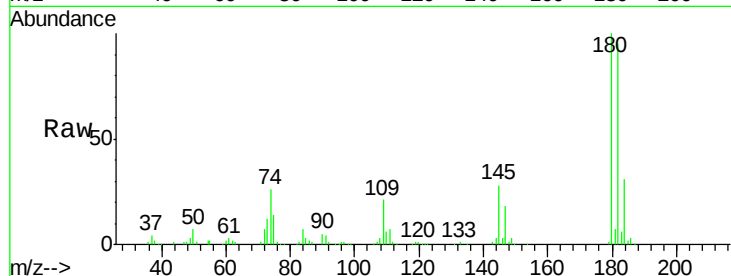




#67
 1,3,5-Trichlorobenzene
 Concen: 5.023 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
184	30.8	24.5	36.7
145	28.2	22.6	34.0

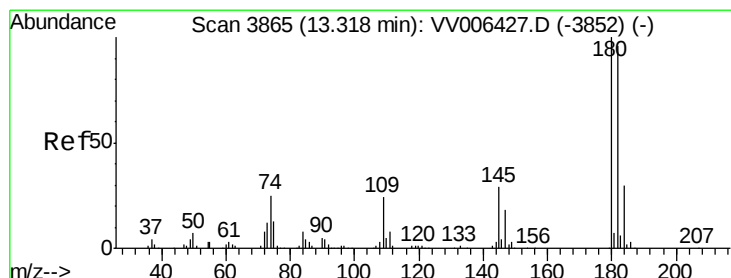
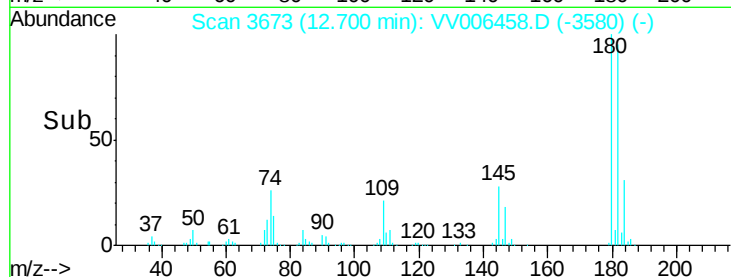
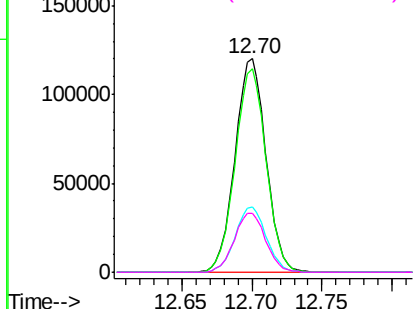


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

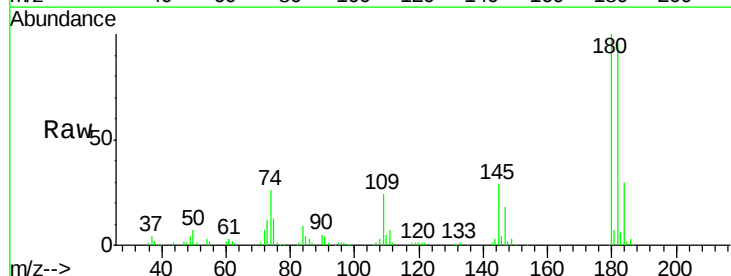
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.079 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006458.D
 Acq: 26 Jun 2018 10:11

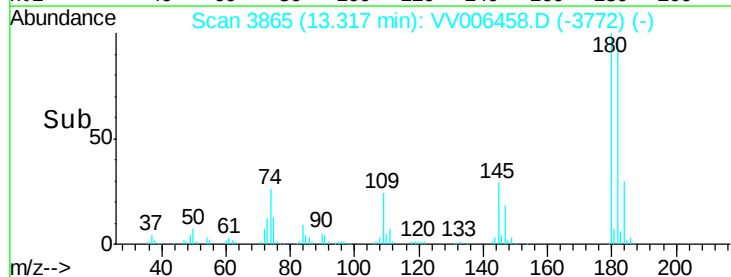
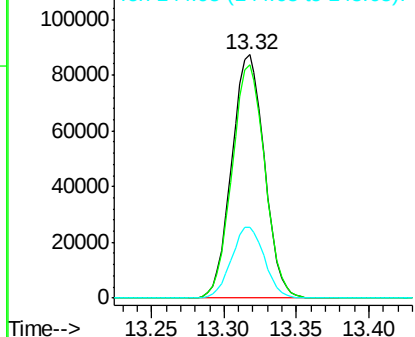
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	29.2	23.0	34.6

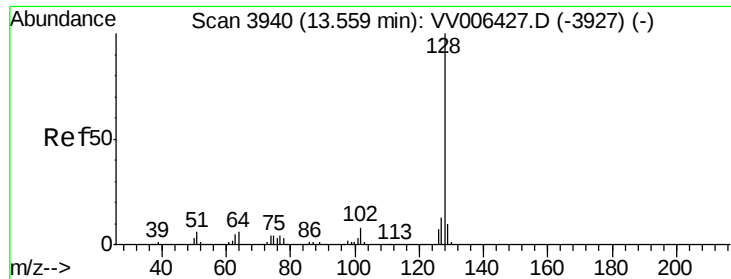


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.767 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

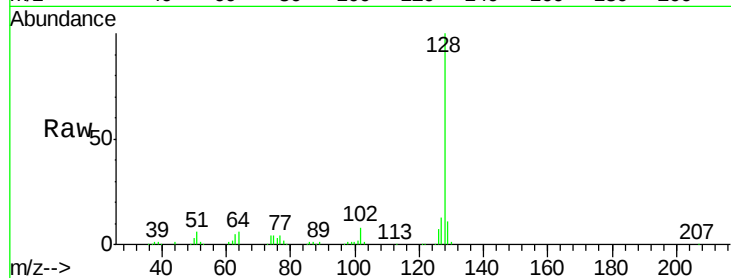
Tgt Ion:128 Resp: 187646

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

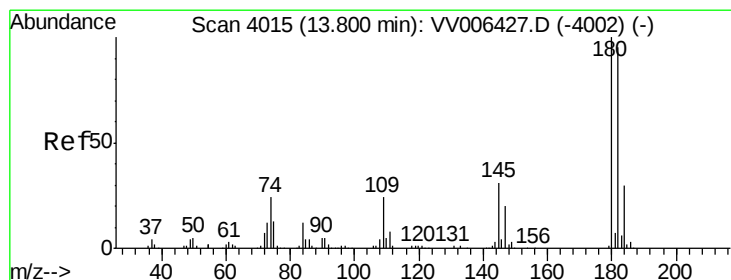
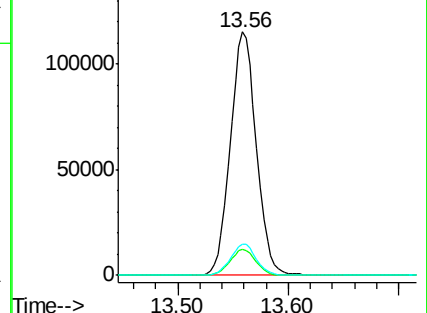
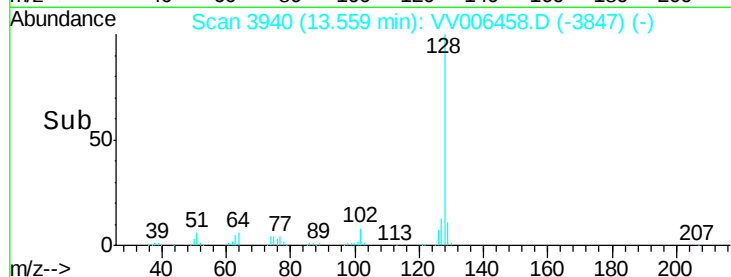
127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.041 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006458.D

Acq: 26 Jun 2018 10:11

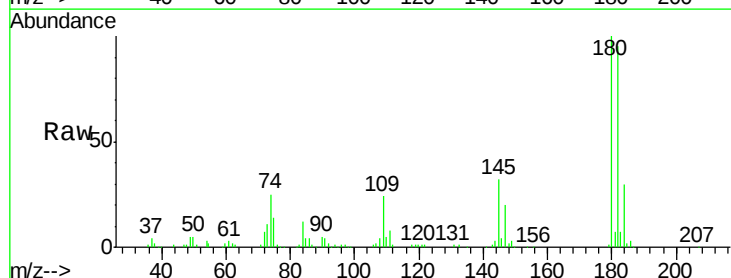
Tgt Ion:180 Resp: 126355

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 31.0 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

