

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062619\
 Data File : VV011757.D
 Acq On : 26 Jun 2019 12:40
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25ML/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Quant Time: Jun 26 12:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 26 12:11:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	184797	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	173211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60036	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.58	69	45981	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.12	63	122644	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	3.96	46	159074	49.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.46%
24) Chloroform-d	4.40	84	118408	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	65515	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.09	84	243964	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	74492	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	223009	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.66	79	26427	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.14	63	125339	51.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51926	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	74911	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	85933	4.470 ug/L	96
3) Chloromethane	1.25	50	86577	4.964 ug/L	98
5) Vinyl chloride	1.32	62	80960	4.738 ug/L	96
6) Bromomethane	1.53	94	31334	4.207 ug/L	99
8) Chloroethane	1.60	64	42932	4.808 ug/L	96
9) Trichlorofluoromethane	1.76	101	104369	4.721 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	61832	4.935 ug/L	98
12) 1,1-Dichloroethene	2.13	96	55784	4.878 ug/L	99
13) Acetone	2.21	43	109042	46.721 ug/L	99
14) Carbon disulfide	2.31	76	137077	4.453 ug/L	99
15) Methyl Acetate	2.46	43	27190	4.679 ug/L	97
16) Methylene chloride	2.53	84	65478	5.138 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	150398	4.808 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	65737	4.889 ug/L	96
19) 1,1-Dichloroethane	3.22	63	130523	4.884 ug/L	97
21) 2-Butanone	4.04	43	181765	48.339 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	71778	4.858 ug/L	95

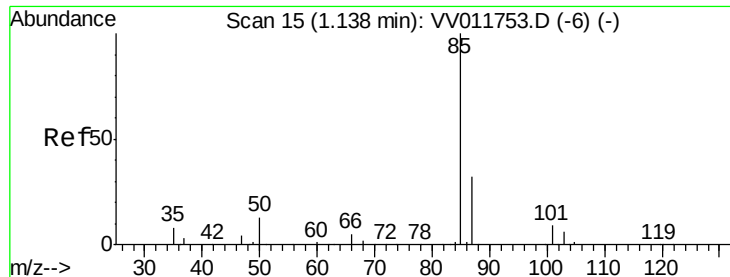
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062619\
 Data File : VV011757.D
 Acq On : 26 Jun 2019 12:40
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 26 12:11:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26824	4.818	ug/L	94
25) Chloroform	4.42	83	137734	4.694	ug/L	98
27) 1,2-Dichloroethane	5.18	62	84988	4.780	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	108994	4.887	ug/L	100
30) Cyclohexane	4.72	56	117073	4.596	ug/L	97
31) Carbon tetrachloride	4.87	117	90300	4.790	ug/L	99
33) Benzene	5.14	78	284870	4.961	ug/L	100
34) Trichloroethene	5.96	95	72517	4.762	ug/L	98
35) Methylcyclohexane	6.17	83	119536	4.862	ug/L	97
37) 1,2-Dichloropropane	6.22	63	72244	4.955	ug/L	100
38) Bromodichloromethane	6.55	83	81675	4.912	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	95025	4.966	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	448087	48.996	ug/L	98
42) Toluene	7.43	91	297469	4.958	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	73125	5.160	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	44939	4.856	ug/L	97
47) Tetrachloroethene	8.02	164	56116	4.948	ug/L	97
48) 2-Hexanone	8.19	43	324612	50.482	ug/L	100
49) Dibromochloromethane	8.29	129	47031	5.057	ug/L	98
50) 1,2-Dibromoethane	8.40	107	42782	5.063	ug/L	97
51) Chlorobenzene	8.92	112	182450	4.904	ug/L	98
52) Ethylbenzene	9.05	91	326652	4.932	ug/L	96
53) m,p-xylene	9.18	106	123491	5.077	ug/L	98
54) o-xylene	9.59	106	119700	5.034	ug/L	98
55) Styrene	9.60	104	195096	5.149	ug/L	100
56) Isopropylbenzene	9.97	105	317341	4.981	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	54845	4.984	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40604	4.793	ug/L	99
61) Bromoform	9.77	173	22260	4.859	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	133550	4.854	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	135519	4.768	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	128961	4.921	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7412	4.938	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	101653	4.969	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	80232	5.060	ug/L	99
69) Naphthalene	13.55	128	135778	5.238	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	74219	5.036	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.470 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

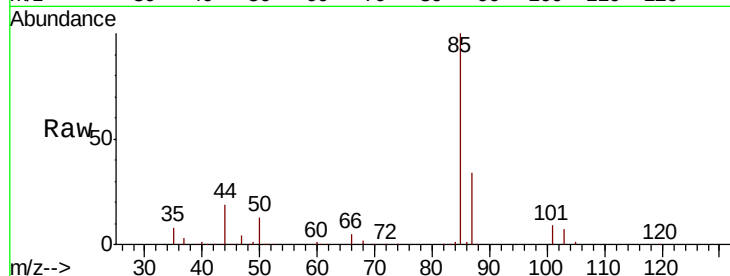
VSTD00552

Tgt Ion: 85 Resp: 85933

Ion Ratio Lower Upper

85 100

87 33.3 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV011757.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV011757.D (-6) (-)

1.14

100000

80000

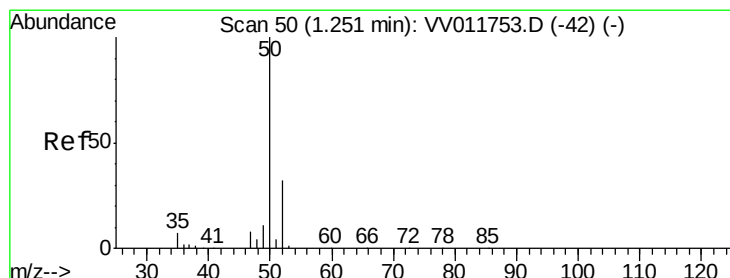
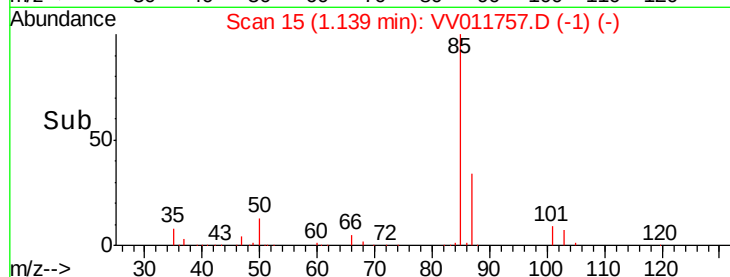
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.964 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011757.D

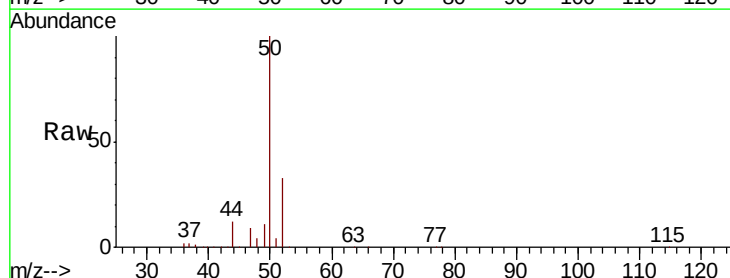
Acq: 26 Jun 2019 12:40

Tgt Ion: 50 Resp: 86577

Ion Ratio Lower Upper

50 100

52 32.6 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011757.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011757.D (-42) (-)

1.25

100000

80000

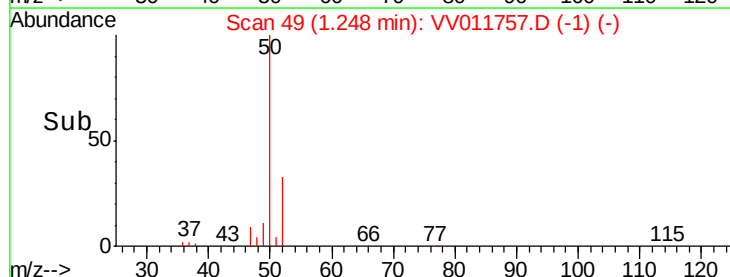
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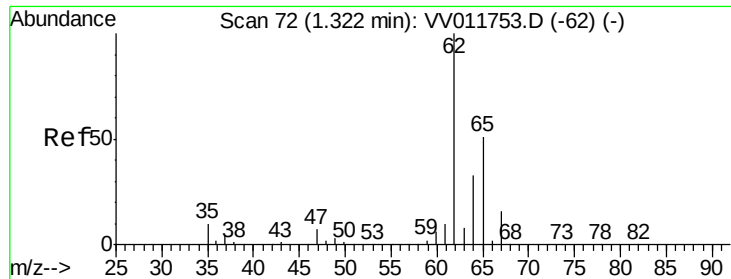
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.738 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

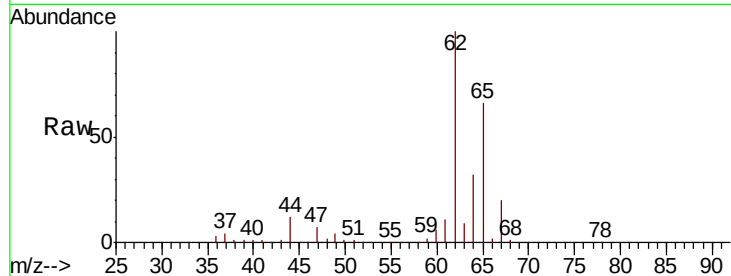
VSTD00552

Tgt Ion: 62 Resp: 80960

Ion Ratio Lower Upper

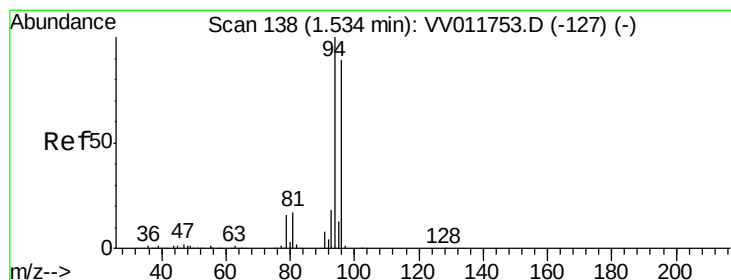
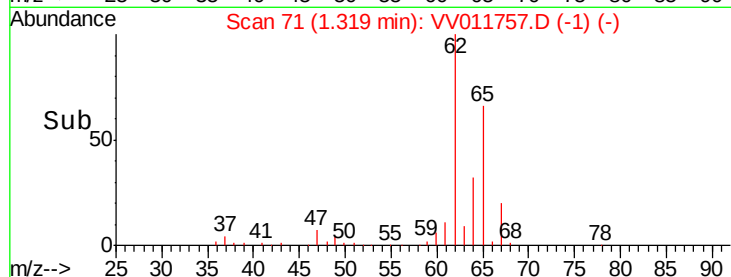
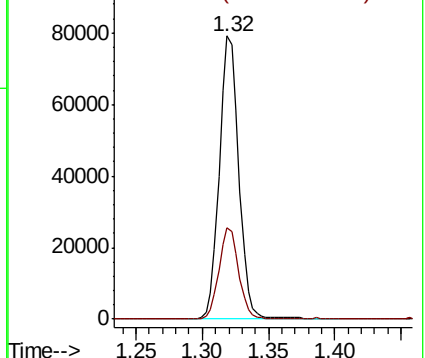
62 100

64 32.4 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.207 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011757.D

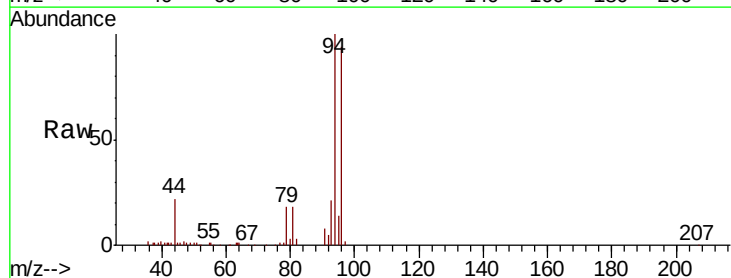
Acq: 26 Jun 2019 12:40

Tgt Ion: 94 Resp: 31334

Ion Ratio Lower Upper

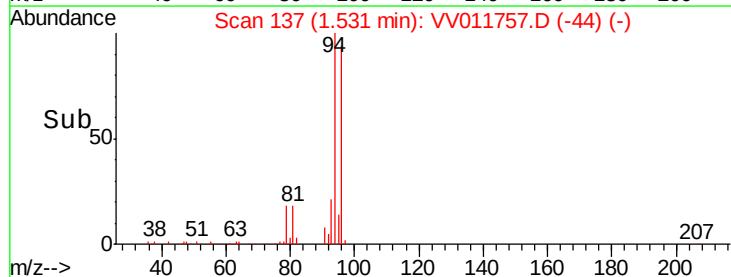
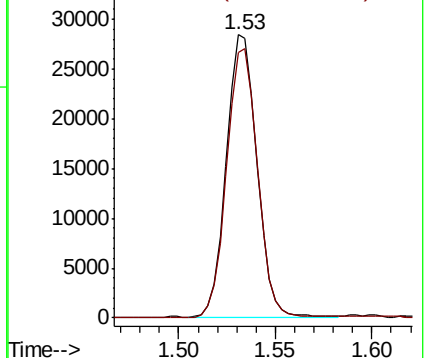
94 100

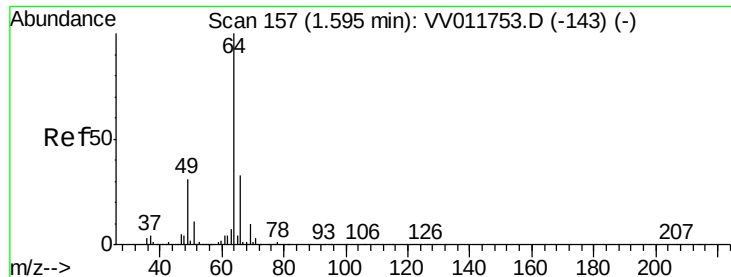
96 94.0 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.808 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

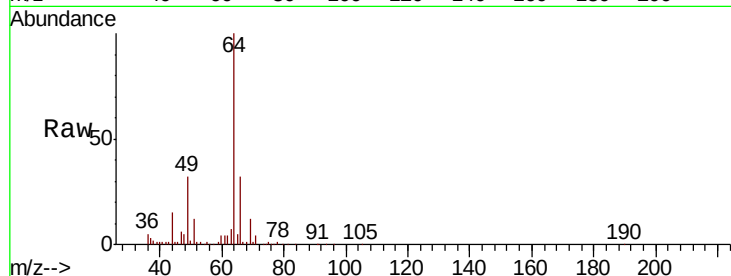
VSTD00552

Tgt Ion: 64 Resp: 42932

Ion Ratio Lower Upper

64 100

66 31.5 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011757.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV011757.D (-143) (-)

1.60

40000

30000

20000

10000

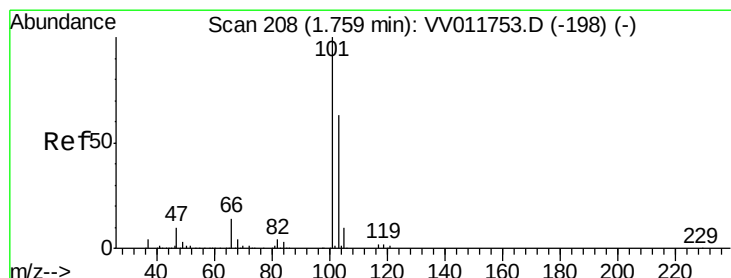
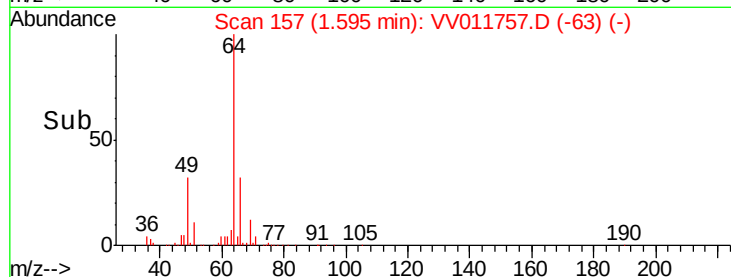
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.721 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV011757.D

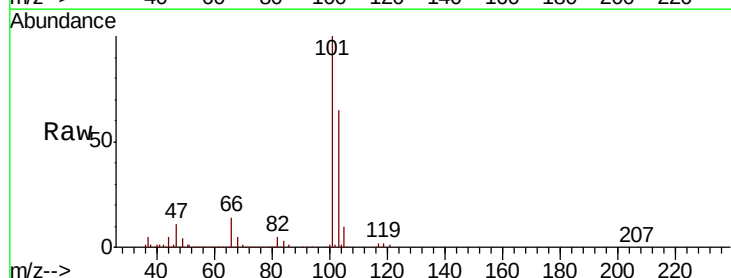
Acq: 26 Jun 2019 12:40

Tgt Ion: 101 Resp: 104369

Ion Ratio Lower Upper

101 100

103 65.0 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV011757.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV011757.D (-198) (-)

1.76

80000

60000

40000

20000

0

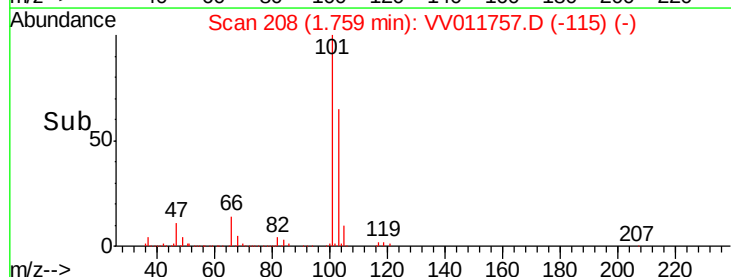
1.70

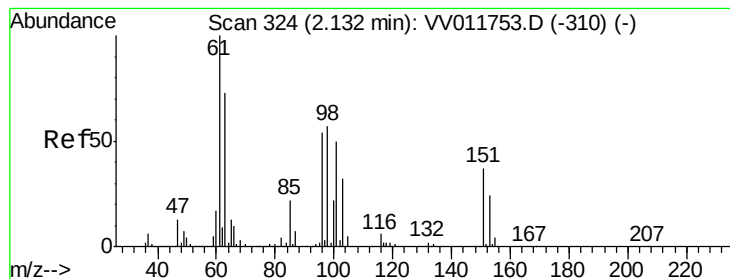
1.75

1.80

1.85

Time-->





#10

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

Concen: 4.935 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

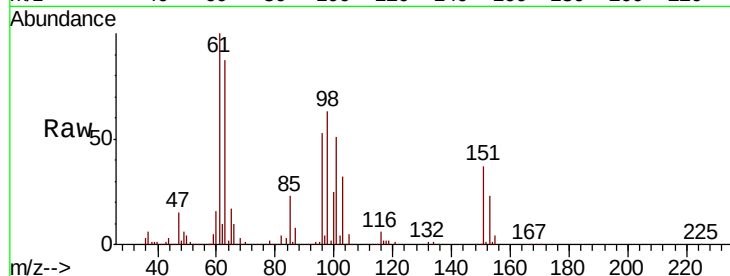
Tgt Ion: 101 Resp: 61832

Ion Ratio Lower Upper

101 100

85 45.2 35.9 53.9

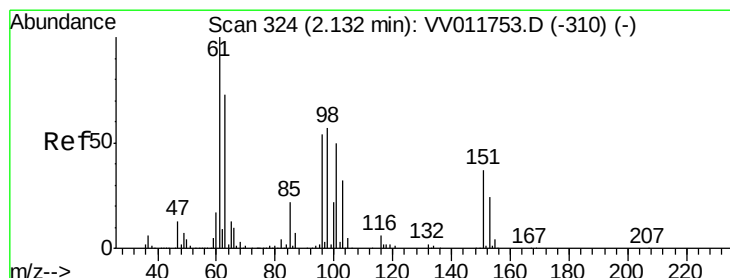
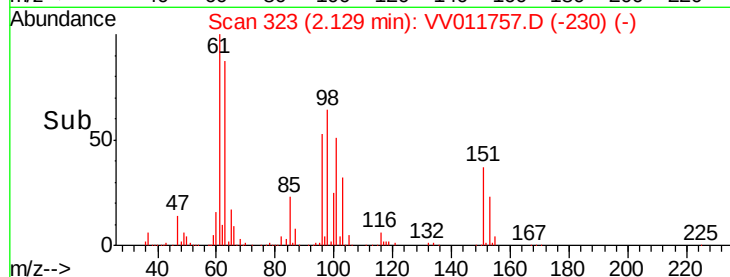
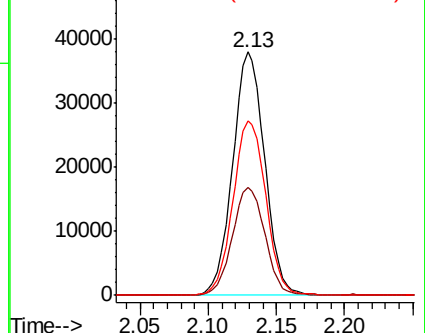
151 74.0 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.878 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

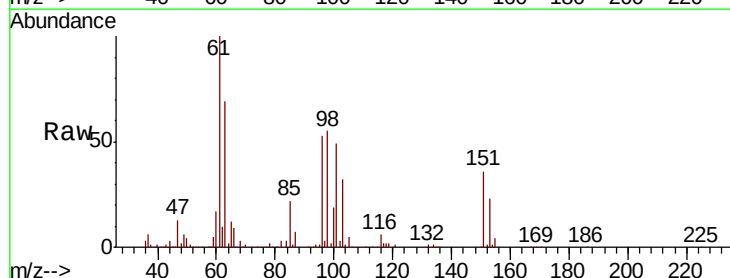
Tgt Ion: 96 Resp: 55784

Ion Ratio Lower Upper

96 100

61 187.7 131.5 244.1

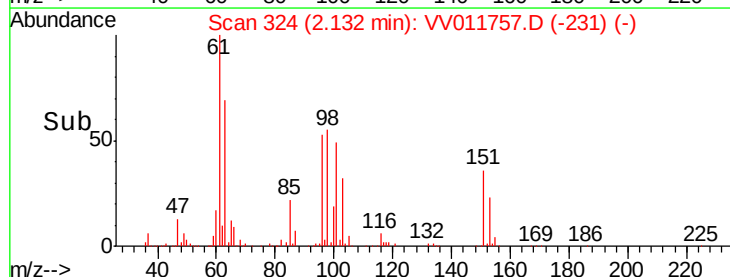
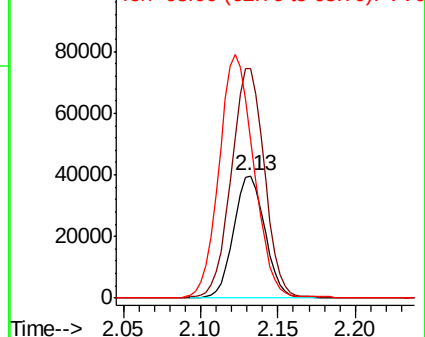
63 129.0 91.8 170.4

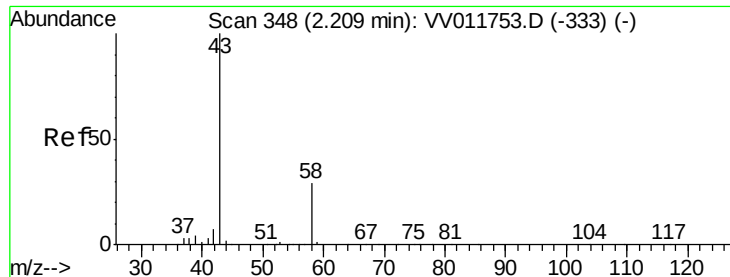


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.721 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

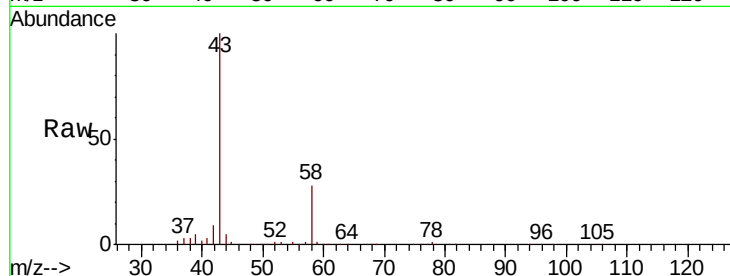
VSTD00552

Tgt Ion: 43 Resp: 109042

Ion Ratio Lower Upper

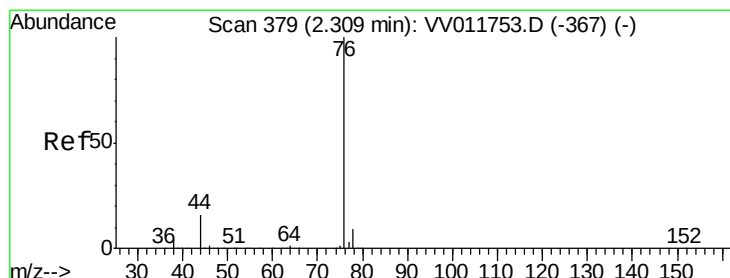
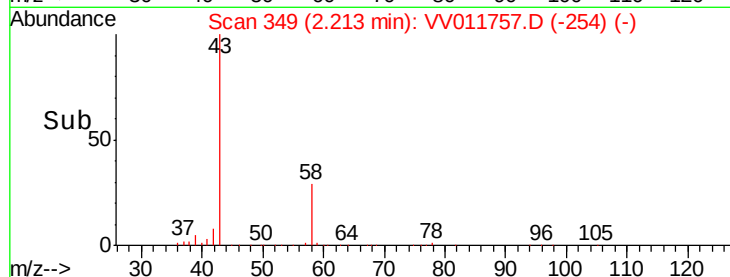
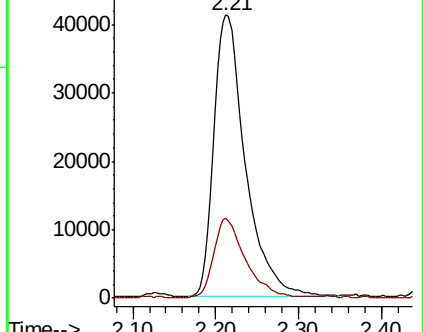
43 100

58 28.9 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV011757.D (-254) (-)

Ion 58.05 (57.75 to 58.75): VV011757.D (-254) (-)



#14

Carbon disulfide

Concen: 4.453 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011757.D

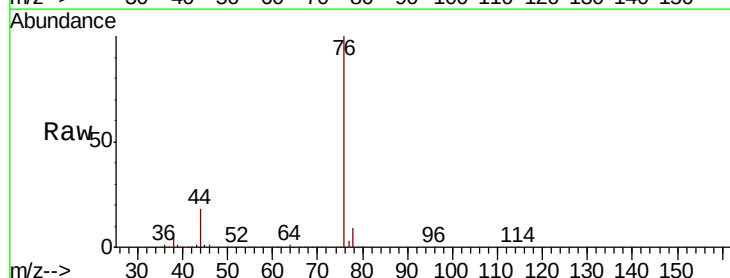
Acq: 26 Jun 2019 12:40

Tgt Ion: 76 Resp: 137077

Ion Ratio Lower Upper

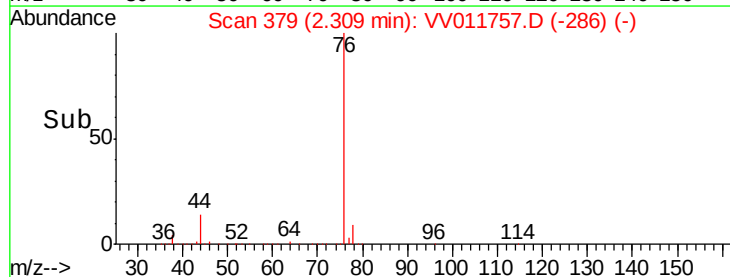
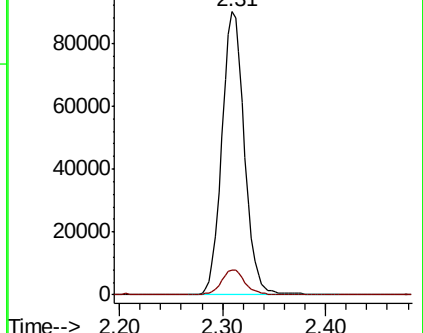
76 100

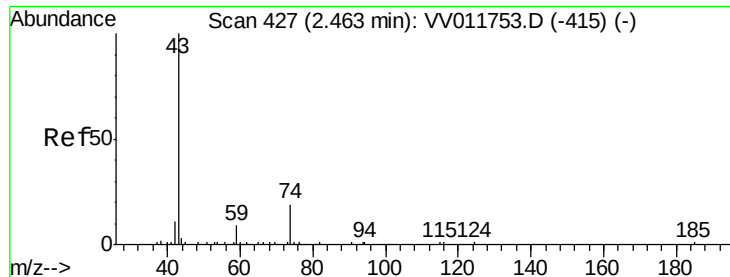
78 8.9 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VV011757.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV011757.D (-286) (-)

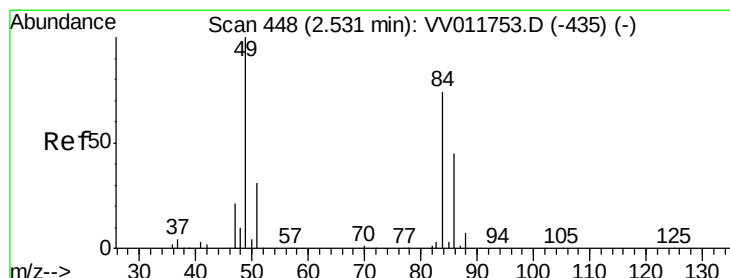
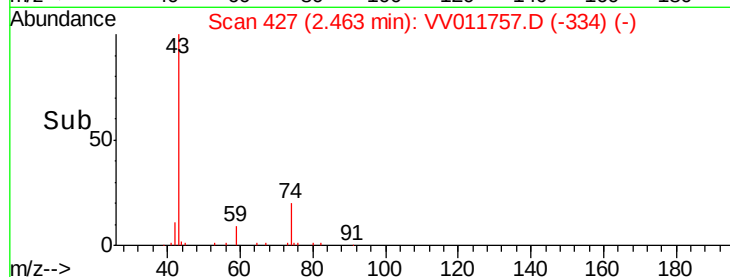
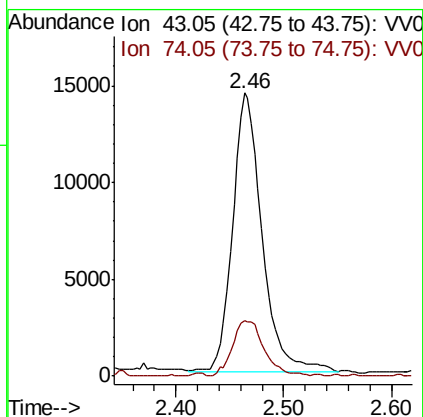
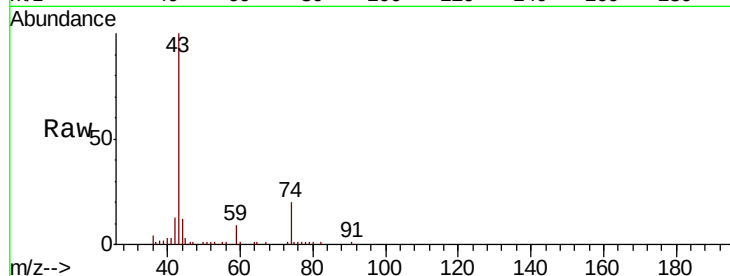




#15
Methyl Acetate
Concen: 4.679 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

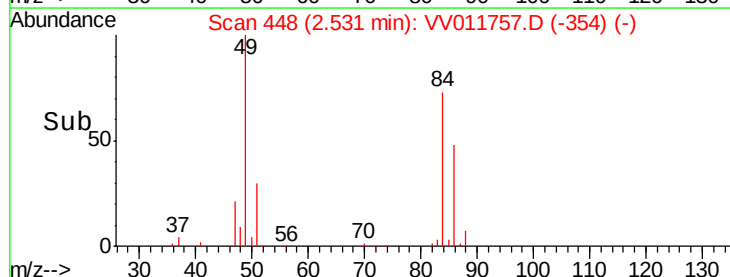
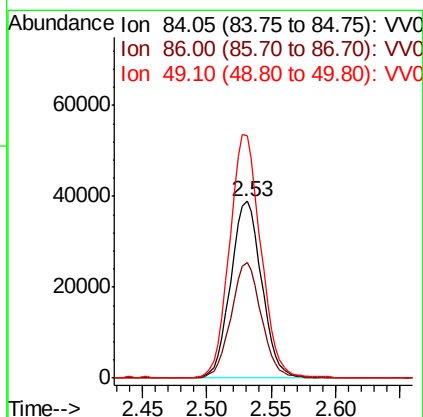
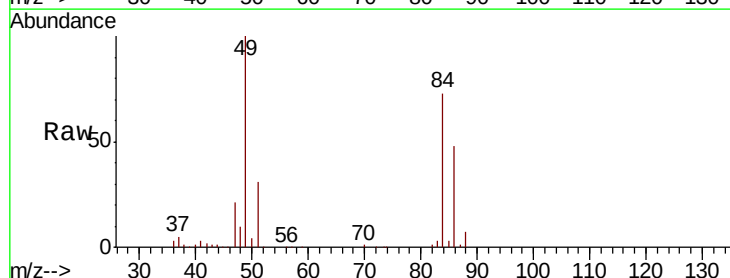
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

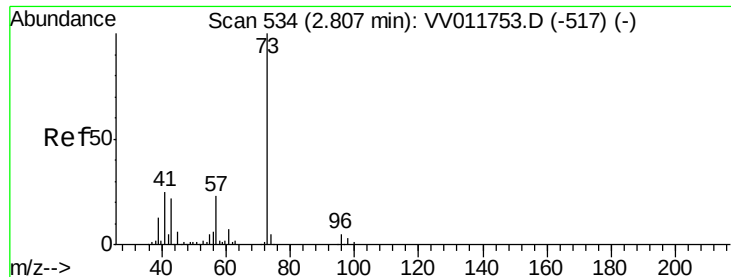
Tgt Ion: 43 Resp: 27190
Ion Ratio Lower Upper
43 100
74 21.8 16.2 24.2



#16
Methylene chloride
Concen: 5.138 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion: 84 Resp: 65478
Ion Ratio Lower Upper
84 100
86 65.4 44.9 83.5
49 137.4 101.4 188.2

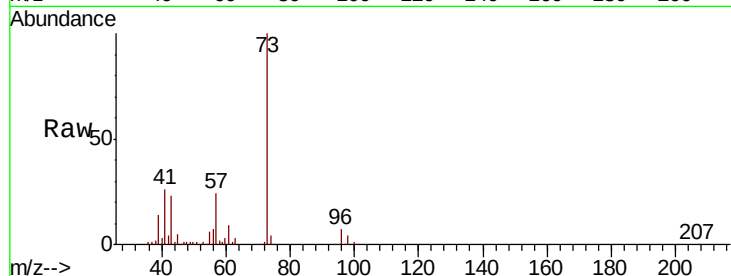




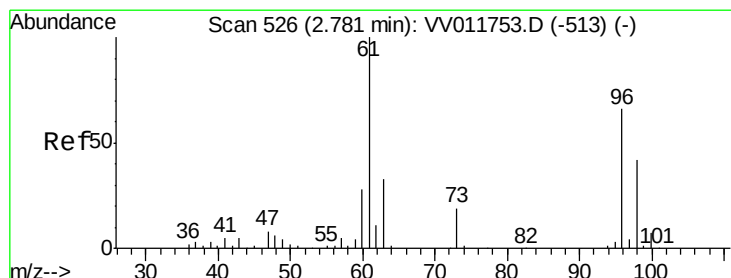
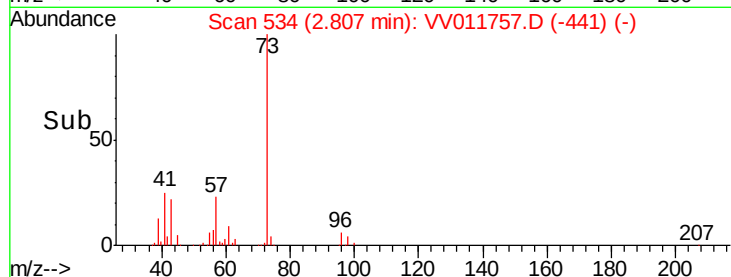
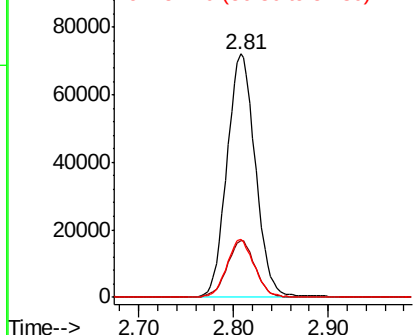
#17
Methyl tert-butyl Ether
Concen: 4.808 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion: 73 Resp: 150398
Ion Ratio Lower Upper
73 100
43 22.6 18.9 28.3
57 23.0 18.0 27.0

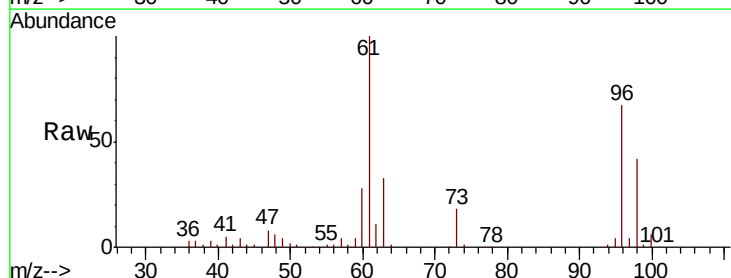


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

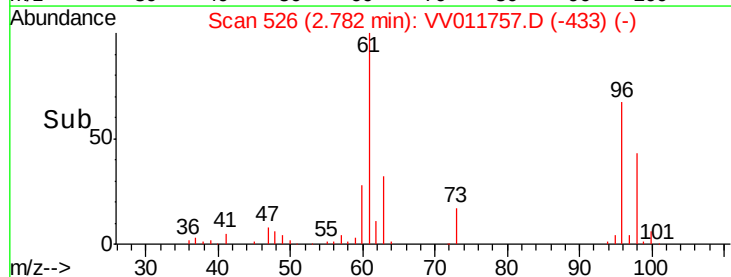
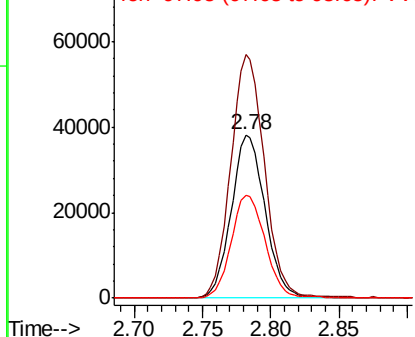


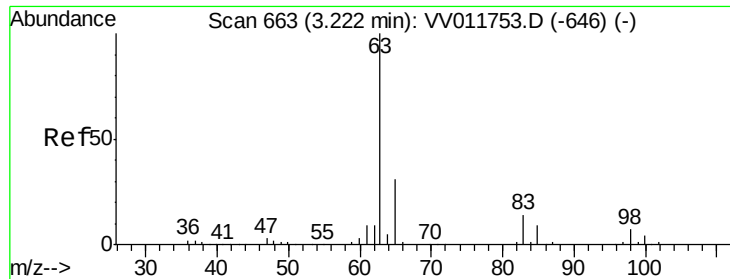
#18
trans-1,2-Dichloroethene
Concen: 4.889 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion: 96 Resp: 65737
Ion Ratio Lower Upper
96 100
61 149.0 109.3 203.1
98 63.3 44.6 82.8



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

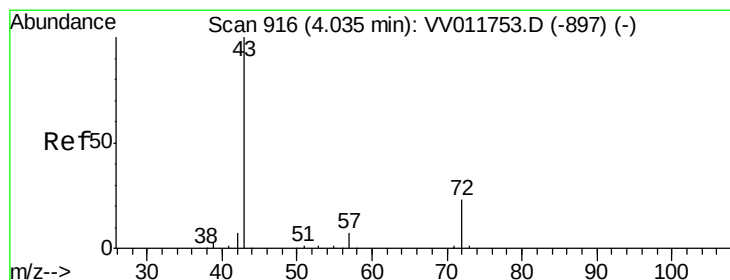
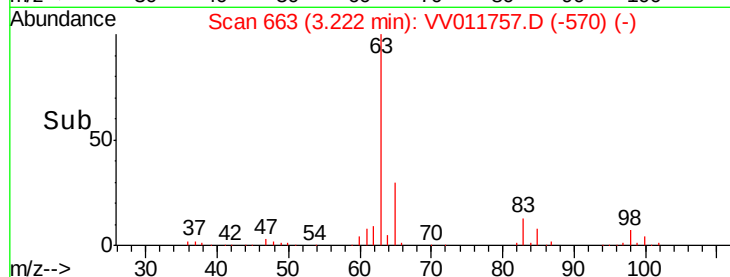
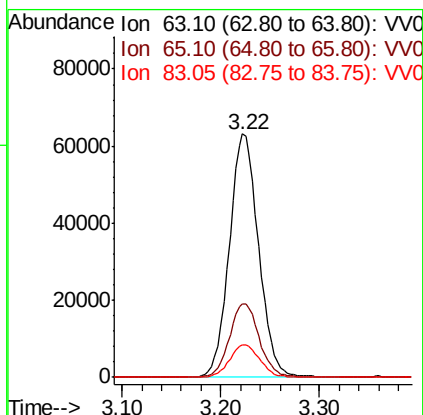
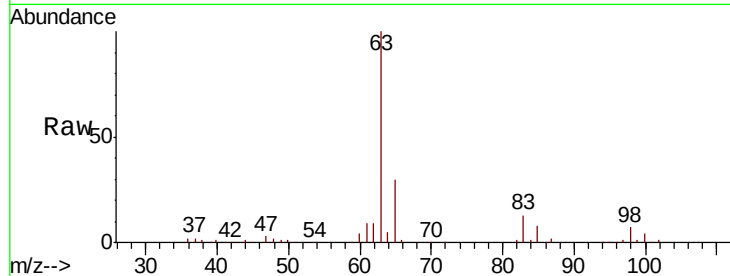




#19
 1,1-Dichloroethane
 Concen: 4.884 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

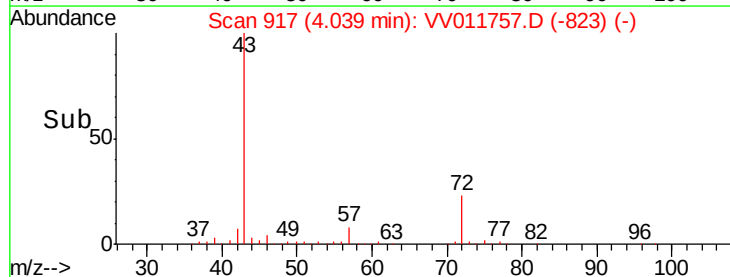
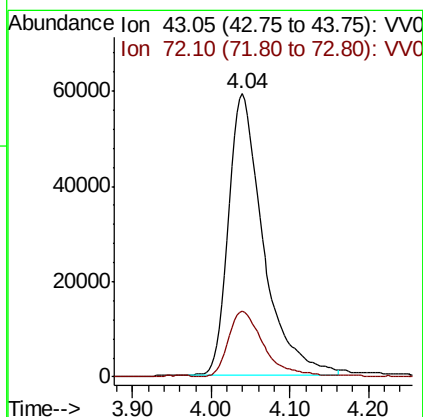
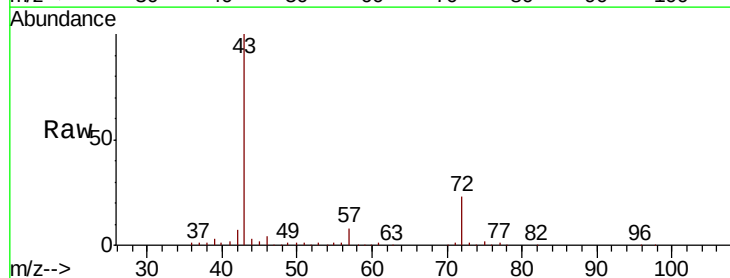
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

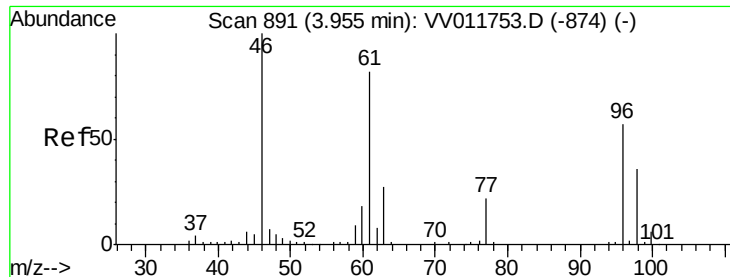
Tgt Ion: 63 Resp: 130523
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.0 42.8
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 48.339 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 43 Resp: 181765
 Ion Ratio Lower Upper
 43 100
 72 23.4 10.9 32.6



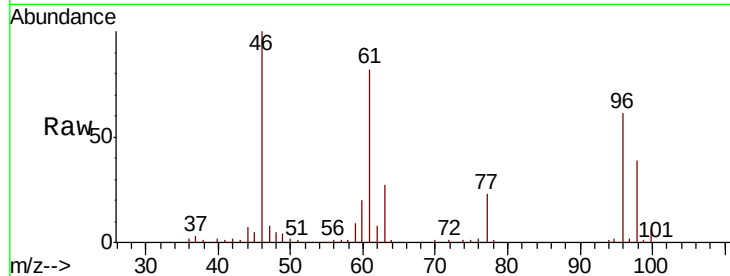


#22

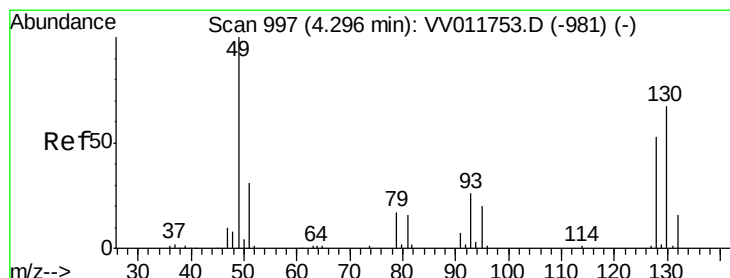
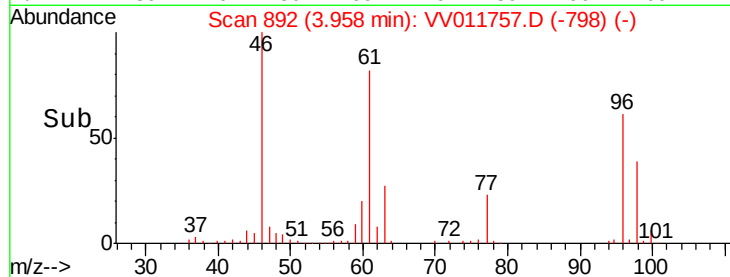
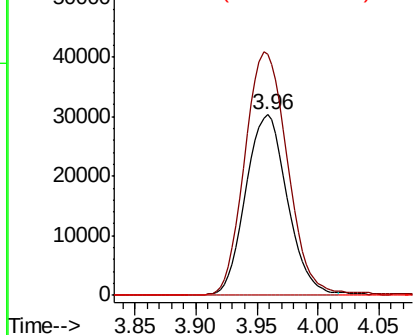
cis-1,2-Dichloroethene
Concen: 4.858 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Instrument :
MSVOA_V
ClientSampled :
VSTD00552

Tgt Ion: 96 Resp: 71778
Ion Ratio Lower Upper
96 100
61 133.7 97.9 181.7
68 0.0 0.0 0.0



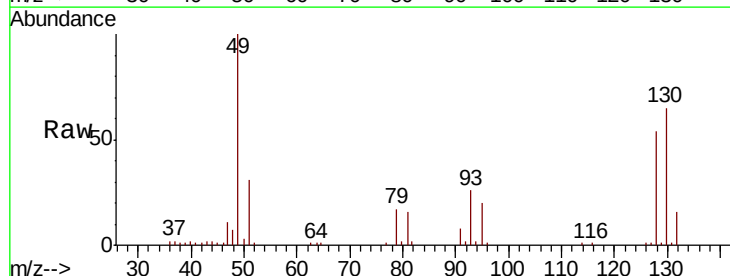
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



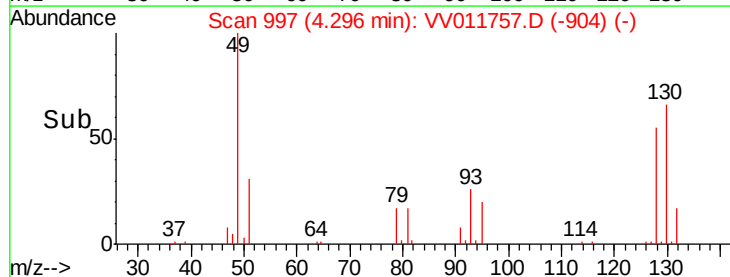
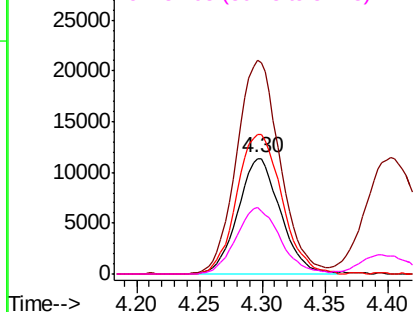
#23

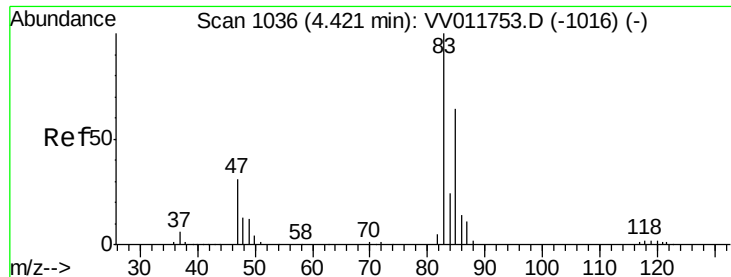
Bromochloromethane
Concen: 4.818 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion: 128 Resp: 26824
Ion Ratio Lower Upper
128 100
49 184.7 134.8 250.4
130 120.8 91.2 169.4
51 57.1 47.2 70.8



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

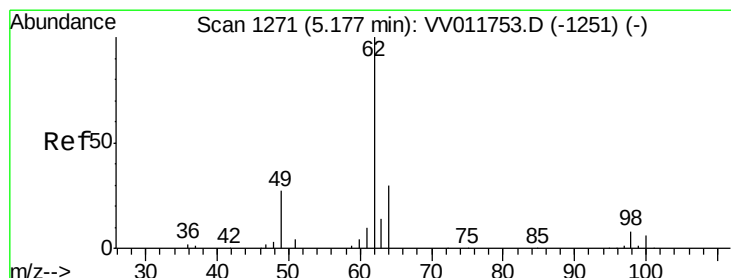
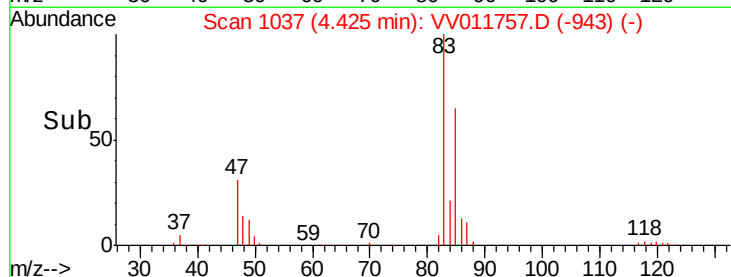
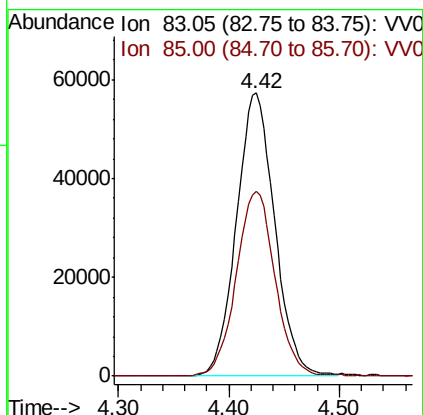
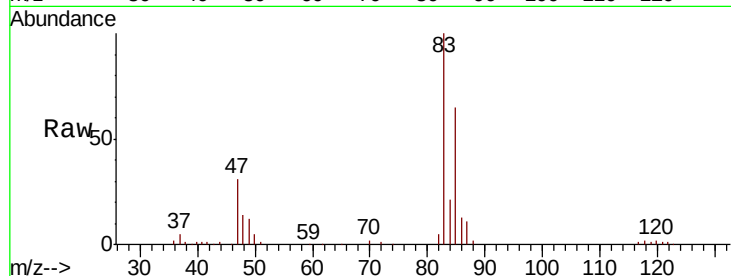




#25
Chloroform
Concen: 4.694 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

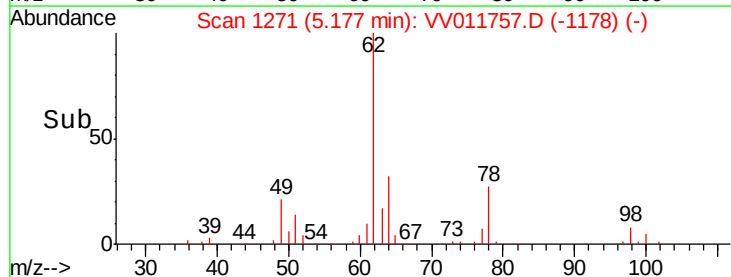
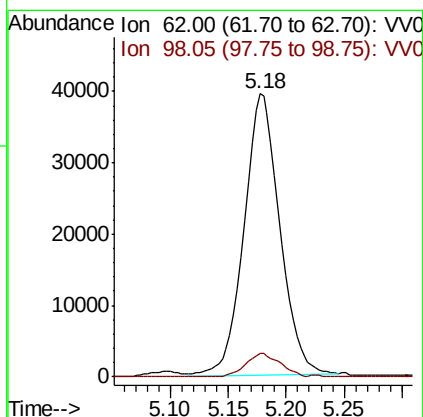
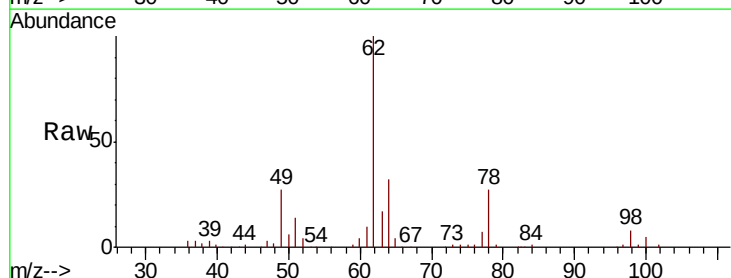
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

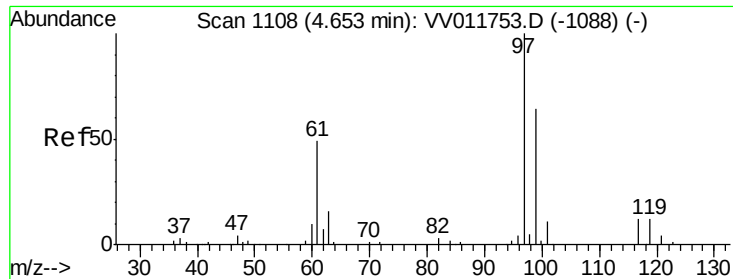
Tgt Ion: 83 Resp: 137734
Ion Ratio Lower Upper
83 100
85 65.3 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.780 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion: 62 Resp: 84988
Ion Ratio Lower Upper
62 100
98 8.4 6.2 9.4

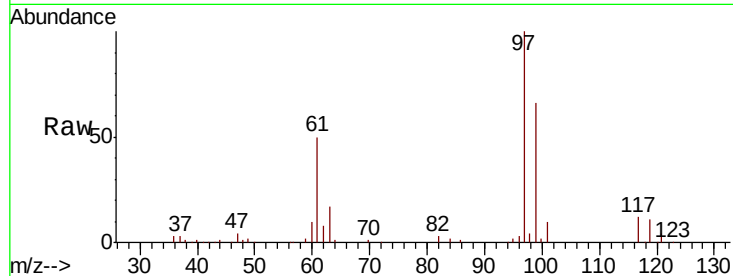




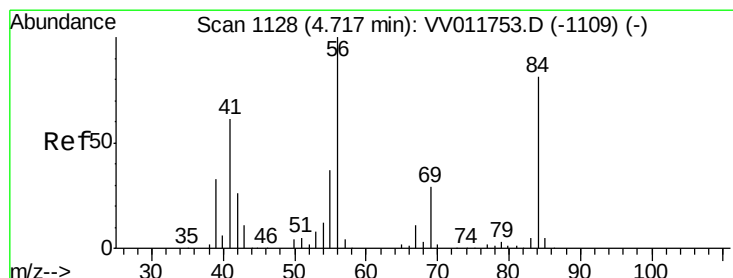
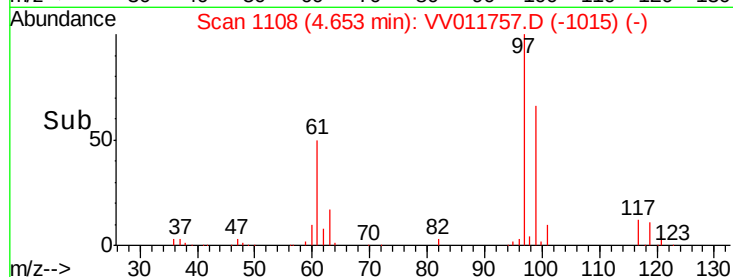
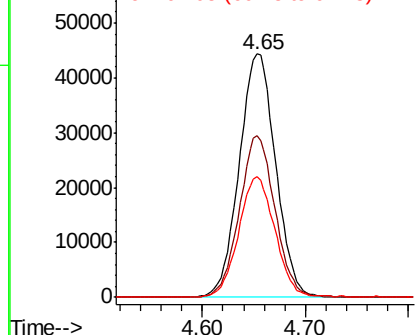
#29
 1,1,1-Trichloroethane
 Concen: 4.887 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion: 97 Resp: 108994
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.6 77.4
 61 49.4 39.8 59.6

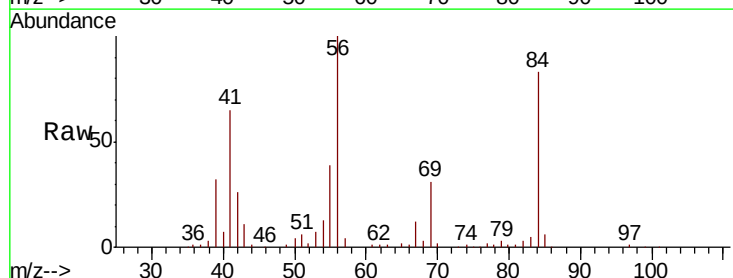


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

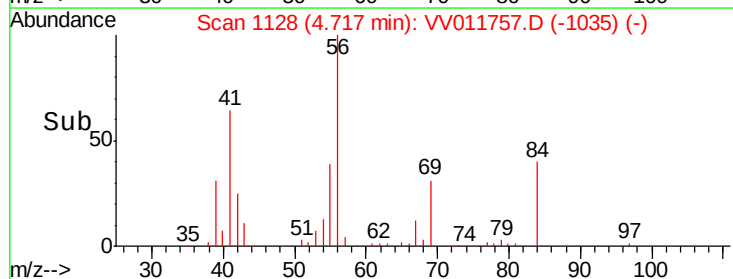
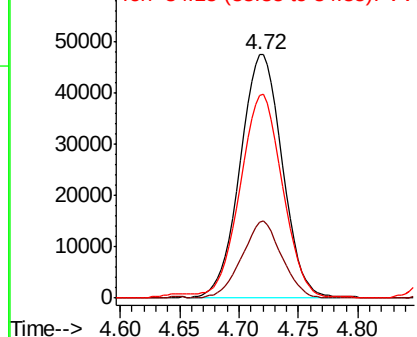


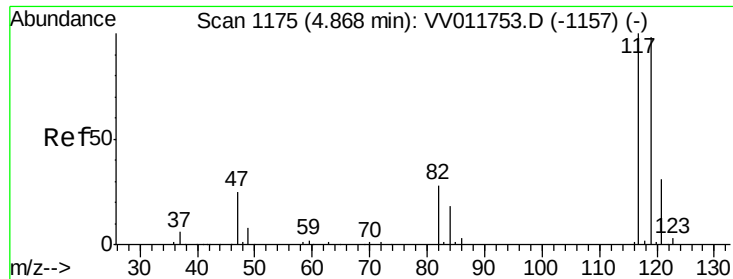
#30
 Cyclohexane
 Concen: 4.596 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 56 Resp: 117073
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.2 34.8
 84 84.0 65.0 97.4



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: 4.790 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

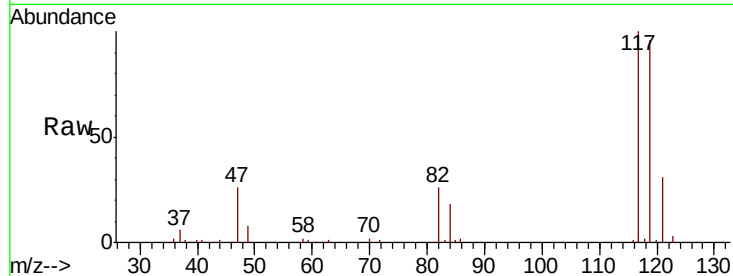
VSTD00552

Tgt Ion:117 Resp: 90300

Ion Ratio Lower Upper

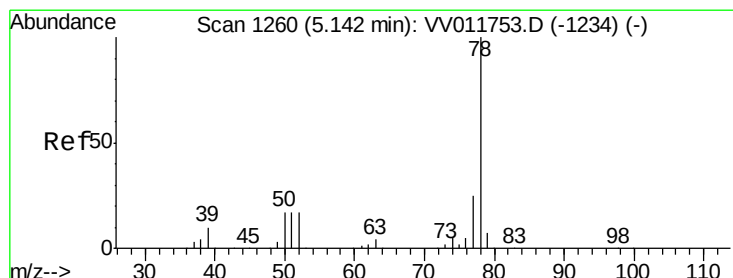
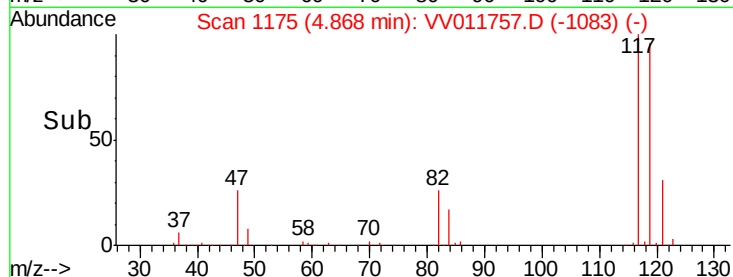
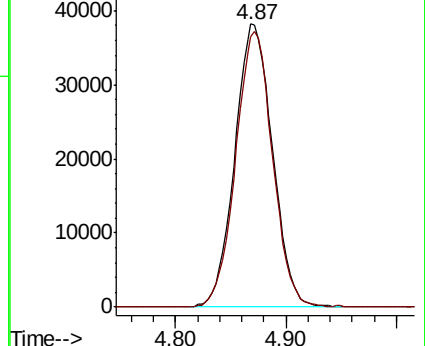
117 100

119 95.3 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.961 ug/L

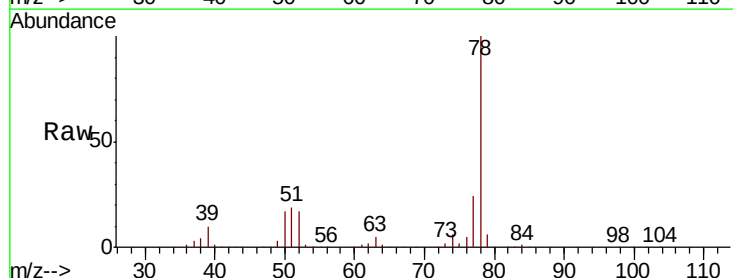
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

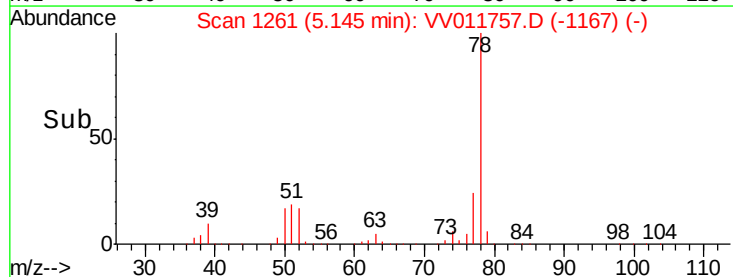
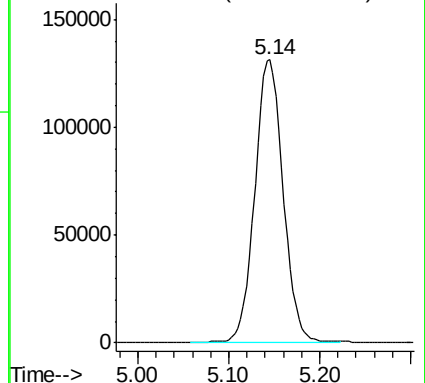
Lab File: VV011757.D

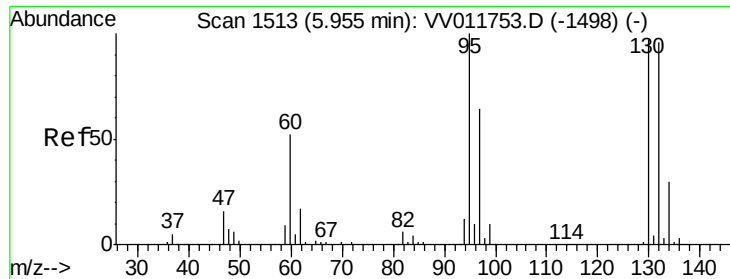
Acq: 26 Jun 2019 12:40

Tgt Ion: 78 Resp: 284870



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.762 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 95 Resp: 72517

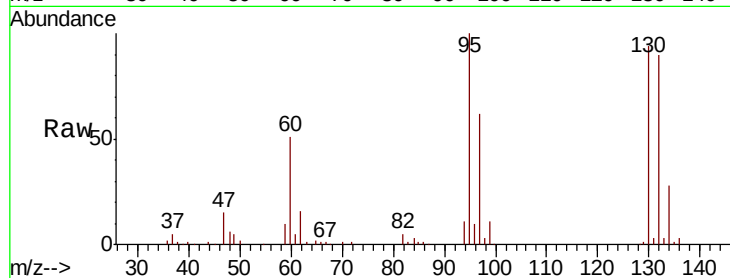
Ion Ratio Lower Upper

95 100

97 61.7 44.4 82.5

132 90.2 65.0 120.6

130 93.5 67.1 124.7



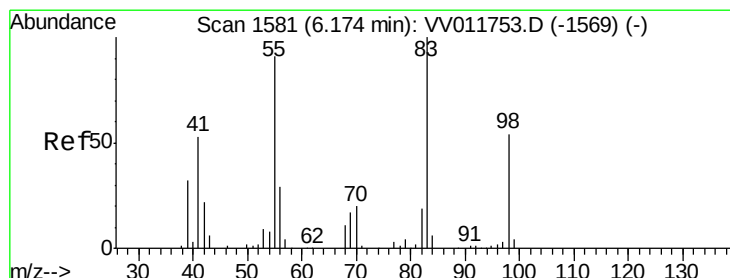
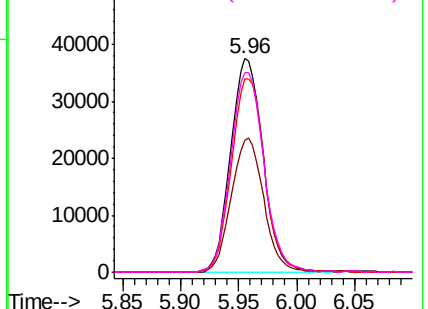
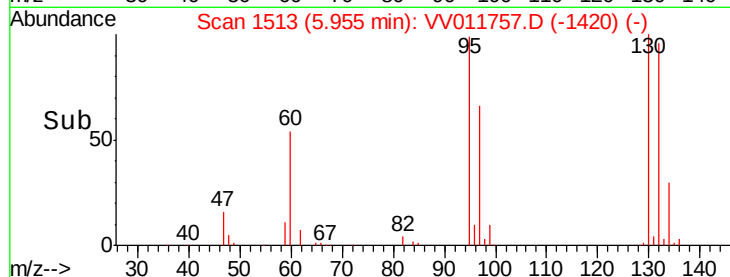
Abundance

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: 4.862 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

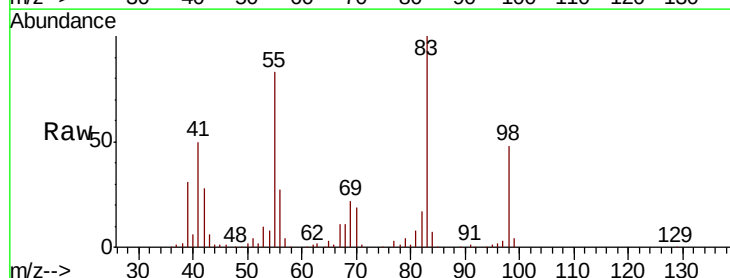
Tgt Ion: 83 Resp: 119536

Ion Ratio Lower Upper

83 100

55 83.7 69.4 104.2

98 48.5 40.2 60.4

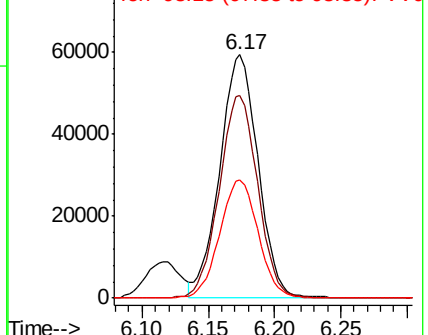
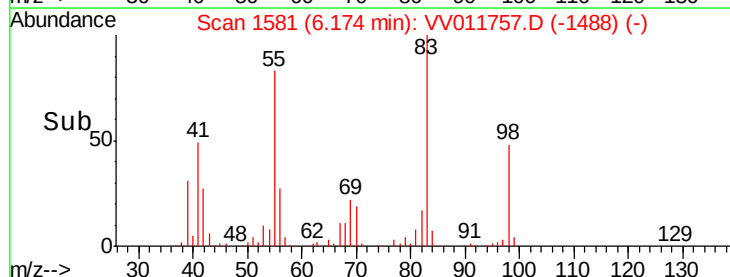


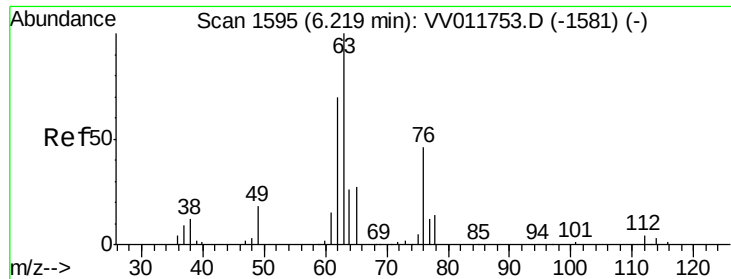
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

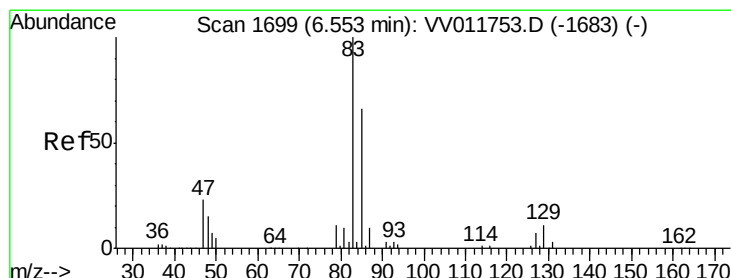
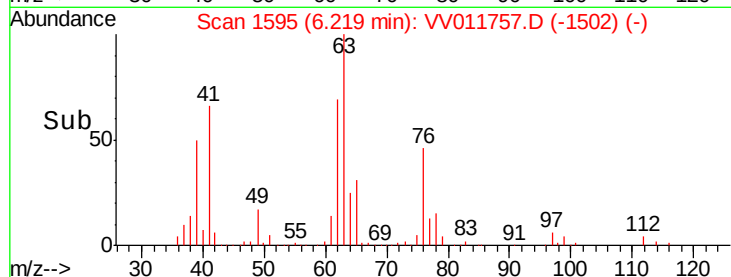
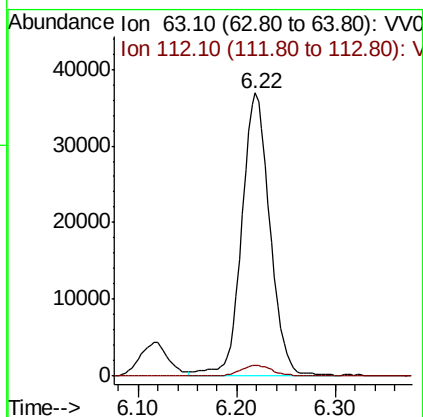
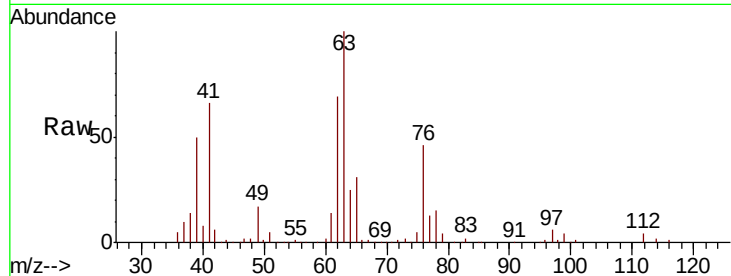




#37
 1,2-Dichloropropane
 Concen: 4.955 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

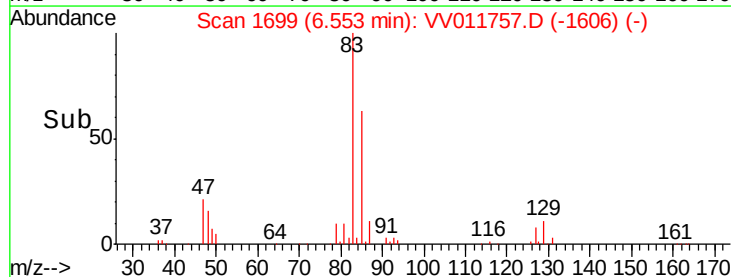
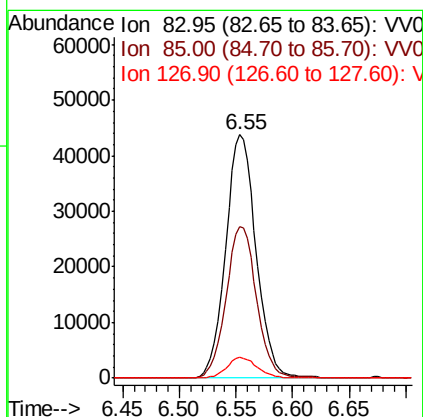
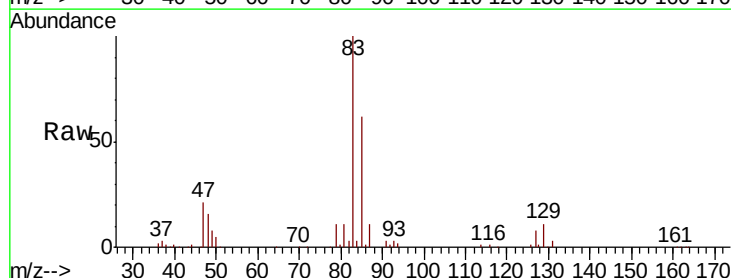
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

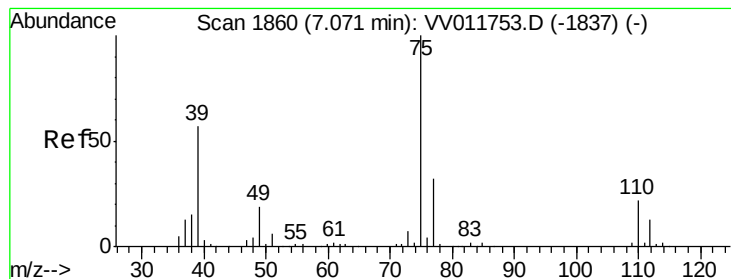
Tgt Ion: 63 Resp: 72244
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.912 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 83 Resp: 81675
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.5 82.7
 127 8.4 6.2 9.2



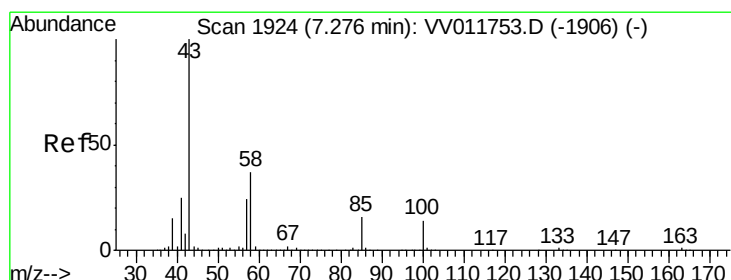
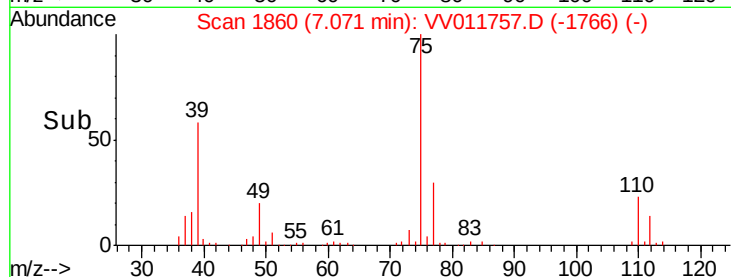
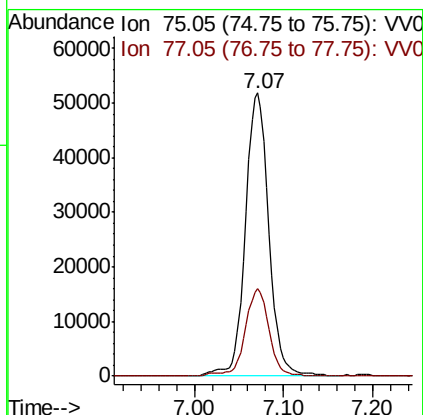
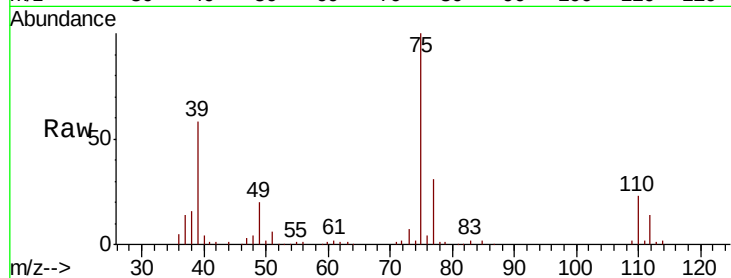


#39

cis-1,3-Dichloropropene
 Concen: 4.966 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00552

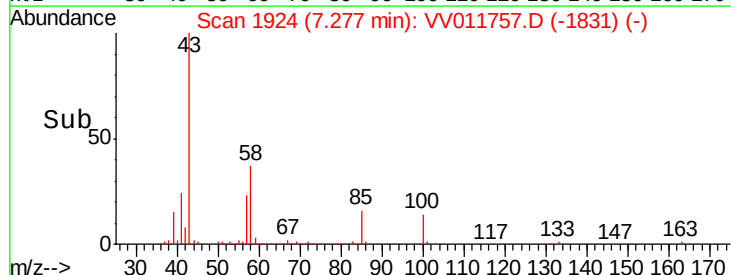
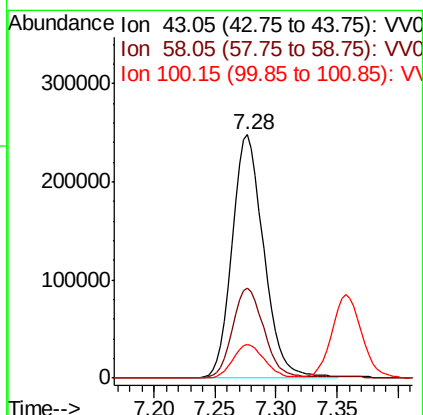
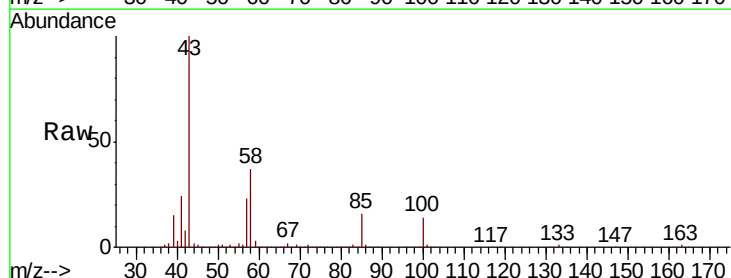
Tgt Ion: 75 Resp: 95025
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 41.6

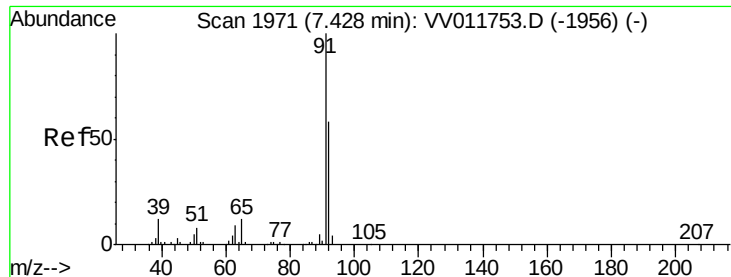


#40

4-Methyl-2-pentanone
 Concen: 48.996 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 43 Resp: 448087
 Ion Ratio Lower Upper
 43 100
 58 37.1 28.6 43.0
 100 13.6 10.7 16.1





#42

Toluene

Concen: 4.958 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

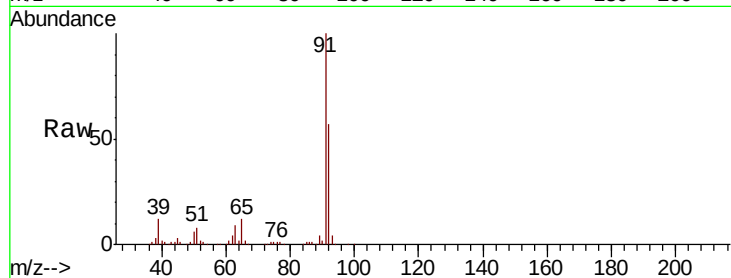
VSTD00552

Tgt Ion: 91 Resp: 297469

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV011757.D (-1972) (-)

Ion 92.15 (91.85 to 92.85): VV011757.D (-1972) (-)

7.43

150000

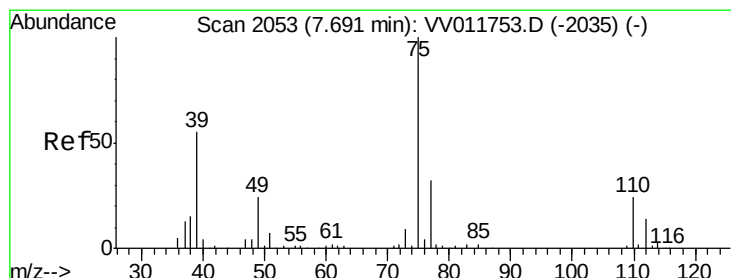
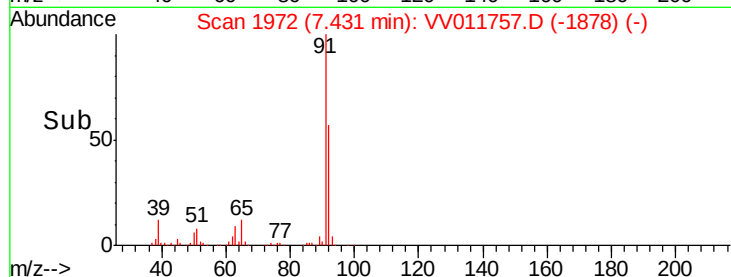
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.160 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011757.D

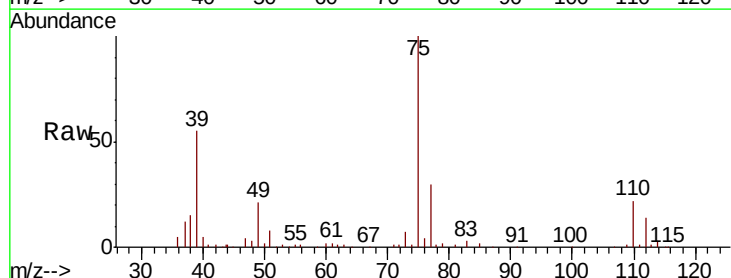
Acq: 26 Jun 2019 12:40

Tgt Ion: 75 Resp: 73125

Ion Ratio Lower Upper

75 100

77 29.8 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VV011757.D (-2053) (-)

Ion 77.05 (76.75 to 77.75): VV011757.D (-2053) (-)

7.69

50000

40000

30000

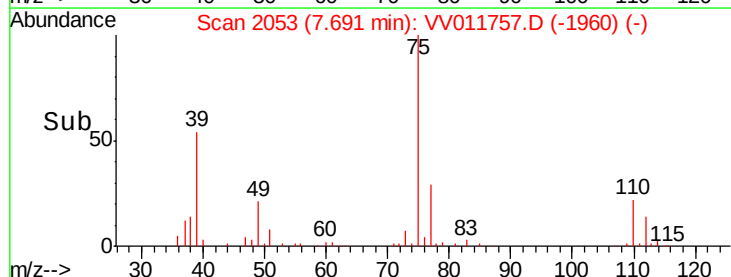
20000

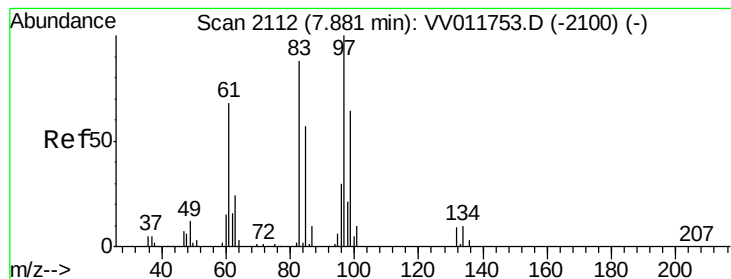
10000

0

7.60 7.65 7.70 7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.856 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 97 Resp: 44939

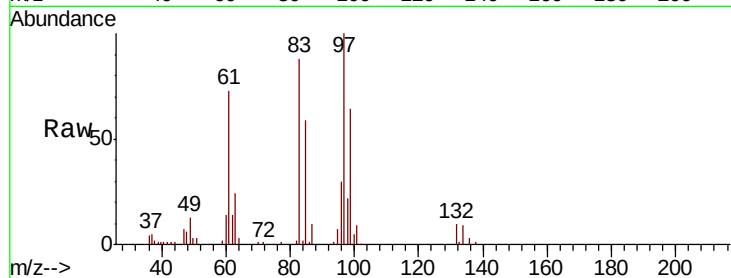
Ion Ratio Lower Upper

97 100

99 63.6 45.7 84.9

83 88.1 65.0 120.6

85 59.5 42.4 78.6



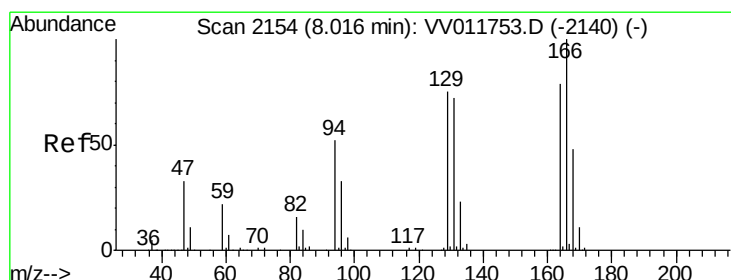
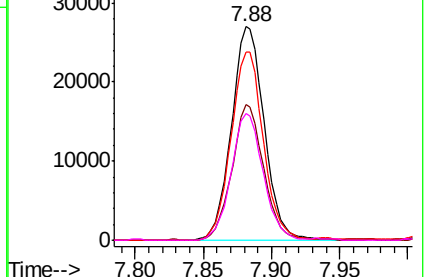
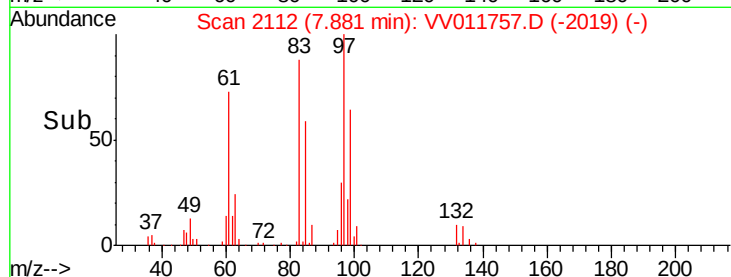
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.948 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Tgt Ion: 164 Resp: 56116

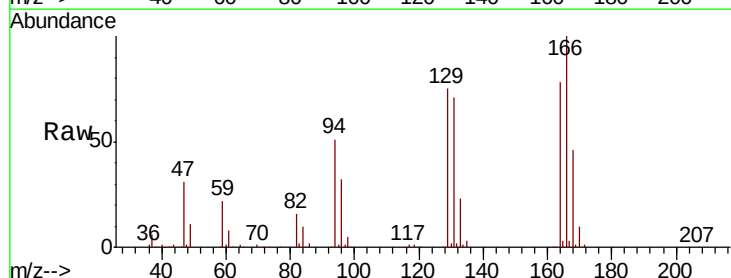
Ion Ratio Lower Upper

164 100

129 95.4 69.7 129.5

131 91.0 64.6 120.0

166 128.0 86.4 160.4



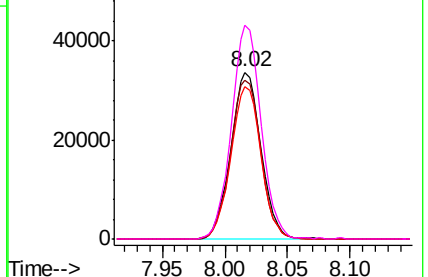
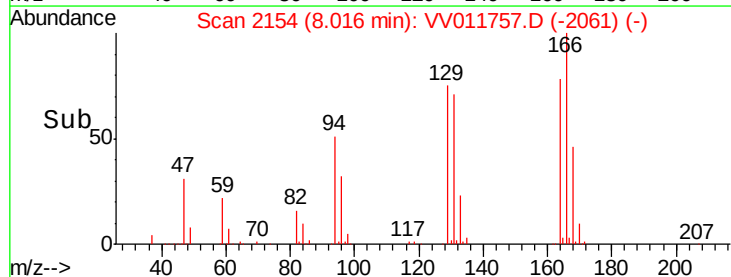
Abundance

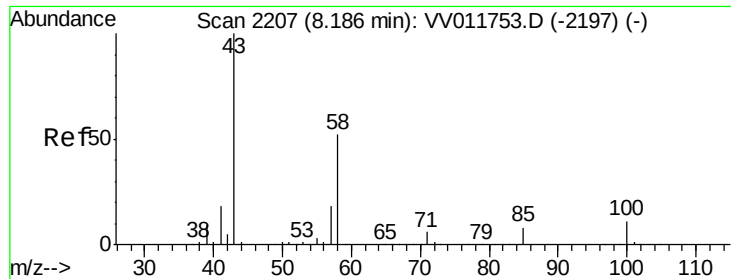
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

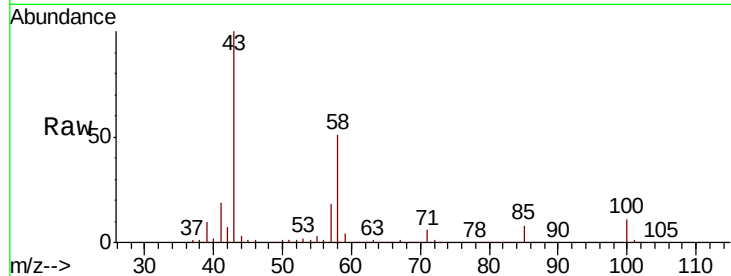




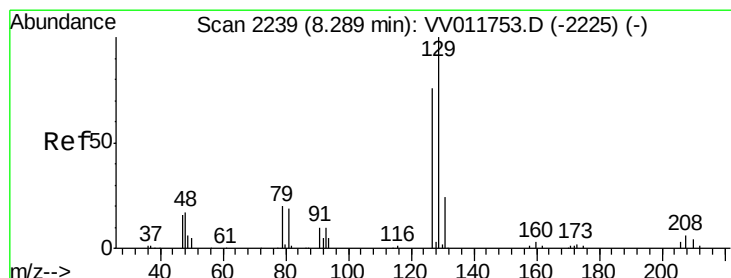
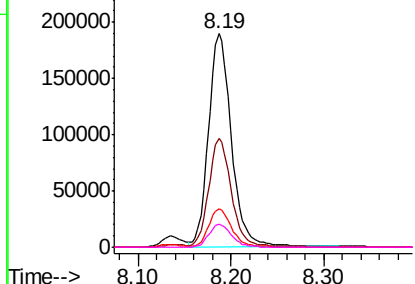
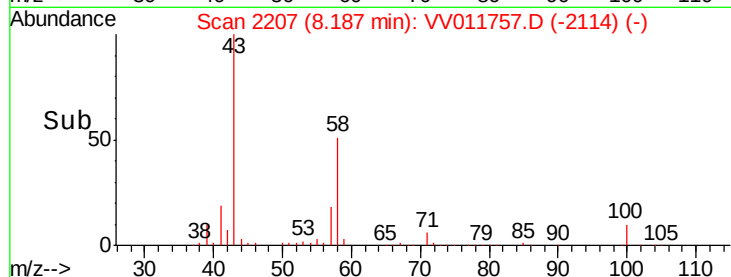
#48
2-Hexanone
Concen: 50.482 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion: 43 Resp: 324612
Ion Ratio Lower Upper
43 100
58 50.5 40.1 60.1
57 18.0 14.4 21.6
100 10.6 8.6 12.8

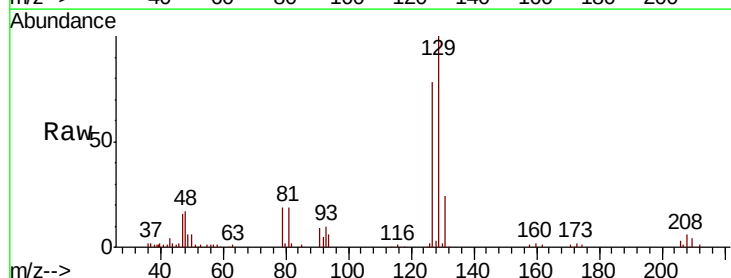


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

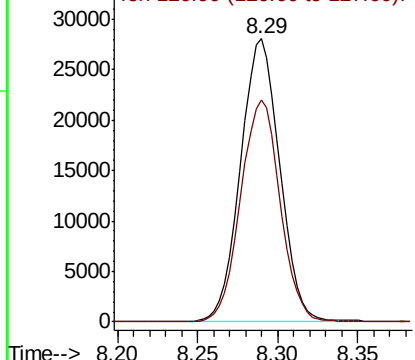
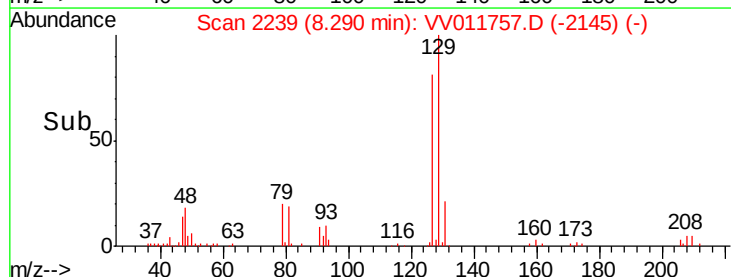


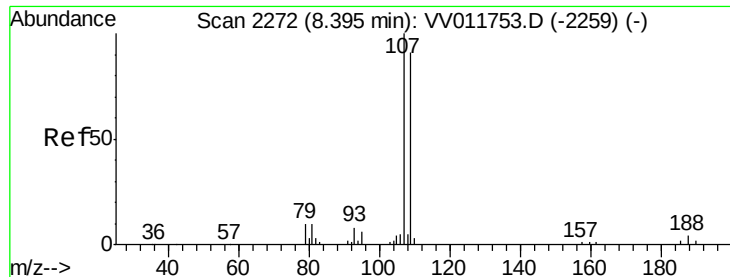
#49
Dibromochloromethane
Concen: 5.057 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion: 129 Resp: 47031
Ion Ratio Lower Upper
129 100
127 78.4 53.5 99.5



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

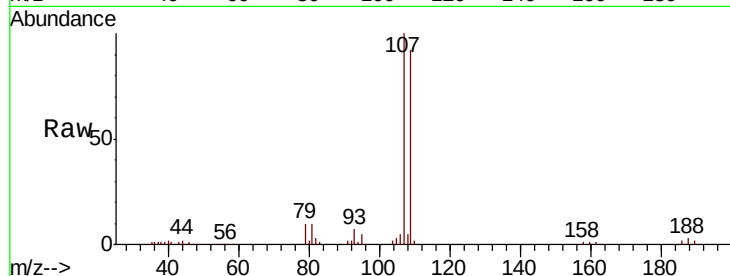




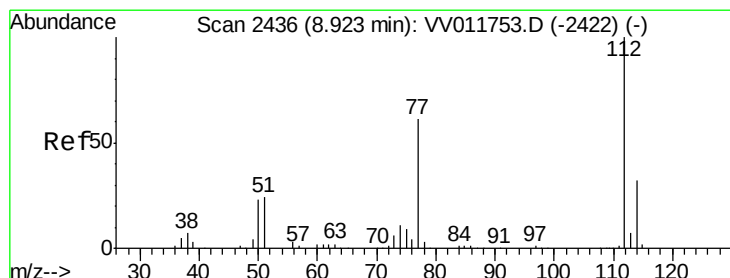
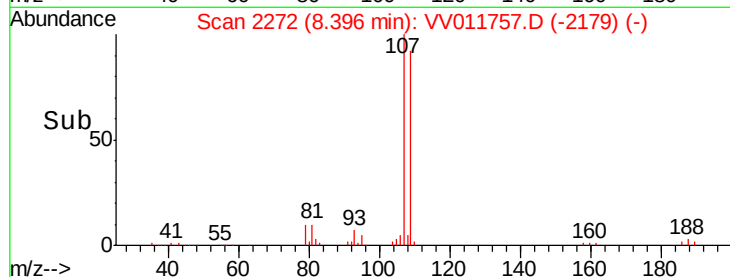
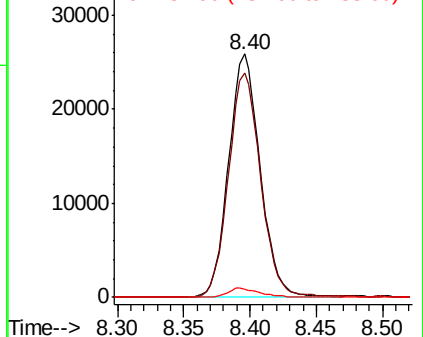
#50
1,2-Dibromoethane
Concen: 5.063 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion:107 Resp: 42782
Ion Ratio Lower Upper
107 100
109 92.0 66.7 123.9
188 3.2 2.6 3.8

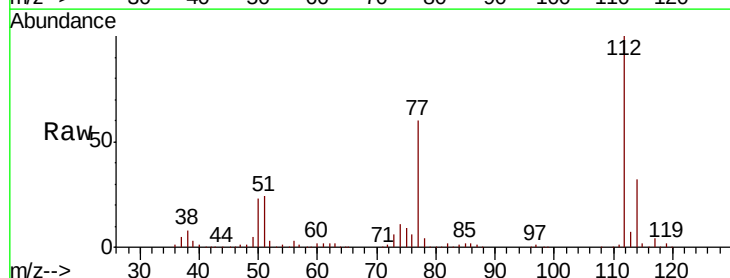


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

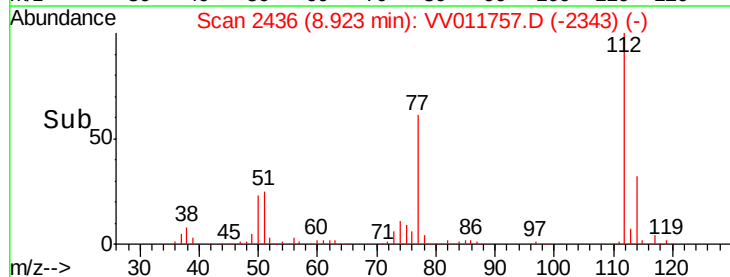
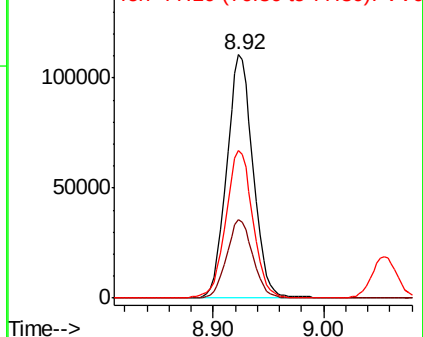


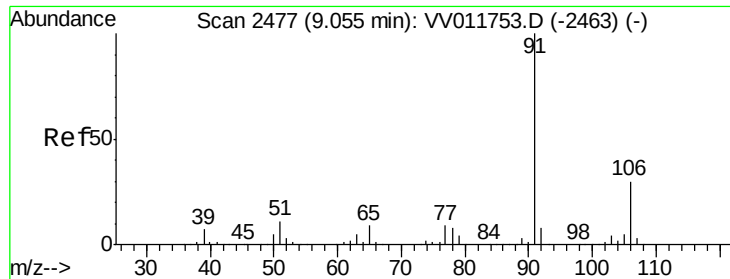
#51
Chlorobenzene
Concen: 4.904 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion:112 Resp: 182450
Ion Ratio Lower Upper
112 100
114 32.4 23.0 42.8
77 60.4 50.0 75.0



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





#52

Ethylbenzene

Concen: 4.932 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

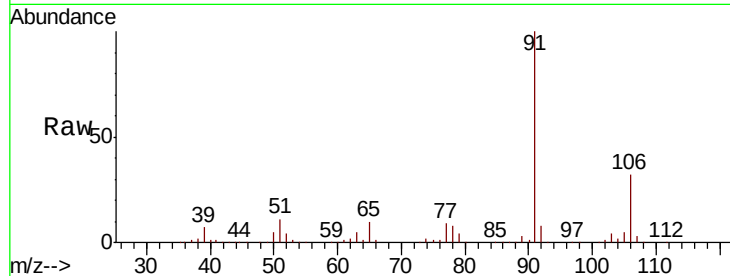
VSTD00552

Tgt Ion: 91 Resp: 326652

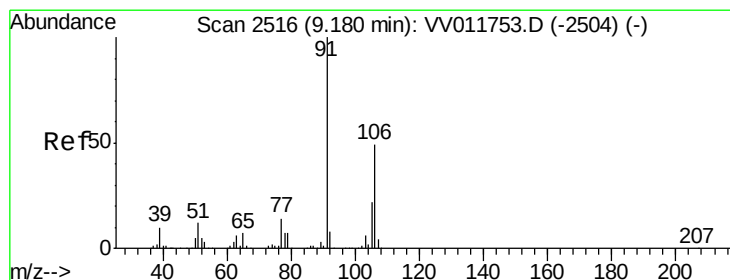
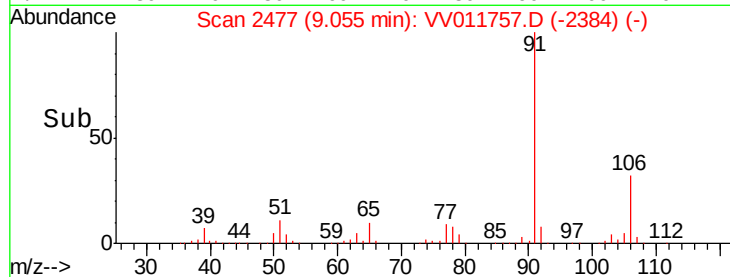
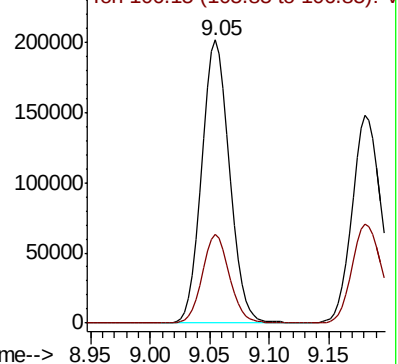
Ion Ratio Lower Upper

91 100

106 31.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VV011757.D (-2463) (-)



#53

m,p-xylene

Concen: 5.077 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011757.D

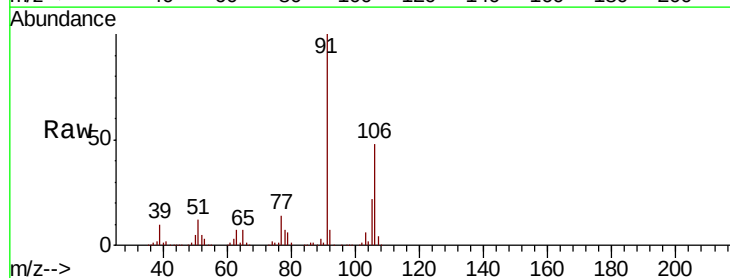
Acq: 26 Jun 2019 12:40

Tgt Ion: 106 Resp: 123491

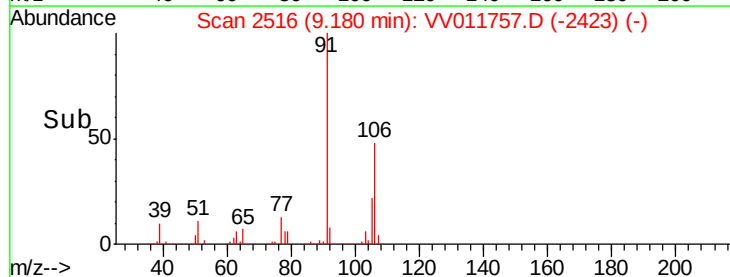
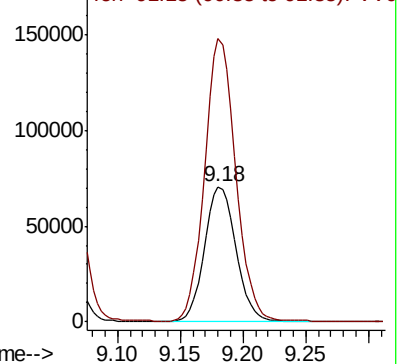
Ion Ratio Lower Upper

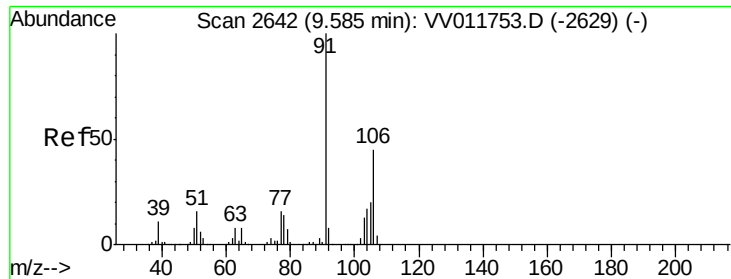
106 100

91 209.8 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): VV011757.D (-2504) (-)

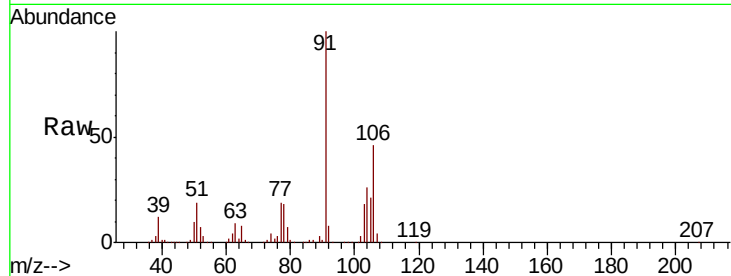




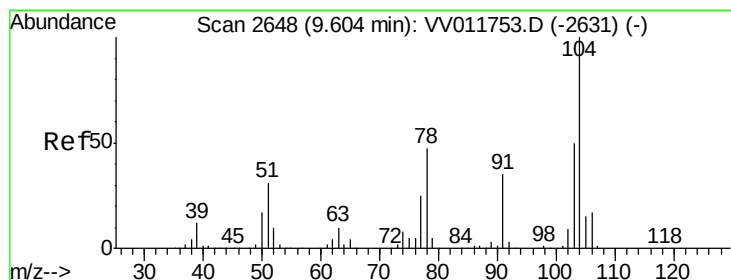
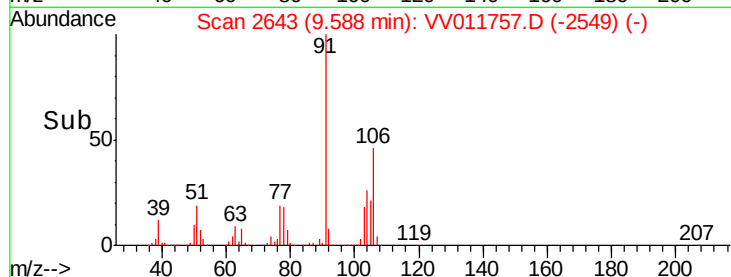
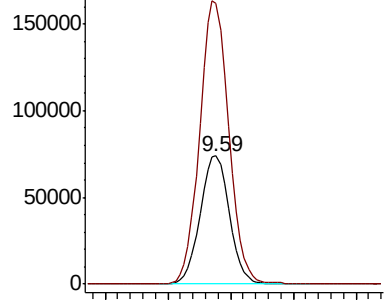
#54
o-xylene
Concen: 5.034 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion:106 Resp: 119700
Ion Ratio Lower Upper
106 100
91 219.1 155.2 288.2

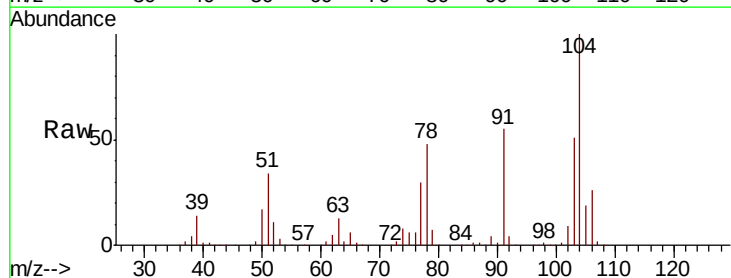


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

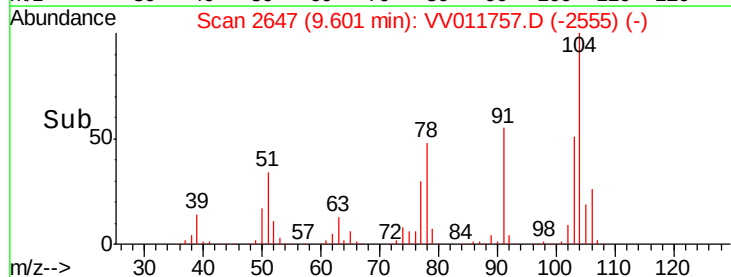
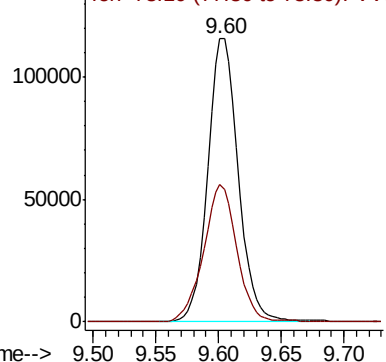


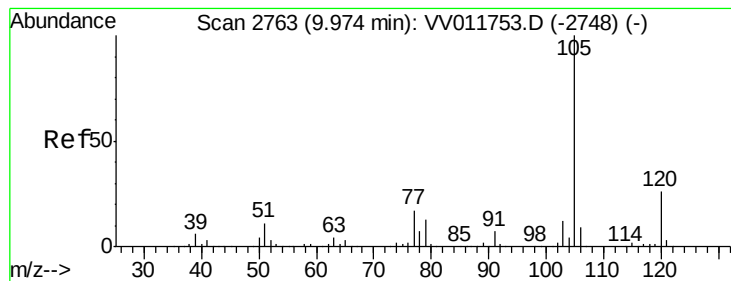
#55
Styrene
Concen: 5.149 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011757.D
Acq: 26 Jun 2019 12:40

Tgt Ion:104 Resp: 195096
Ion Ratio Lower Upper
104 100
78 48.4 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.981 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

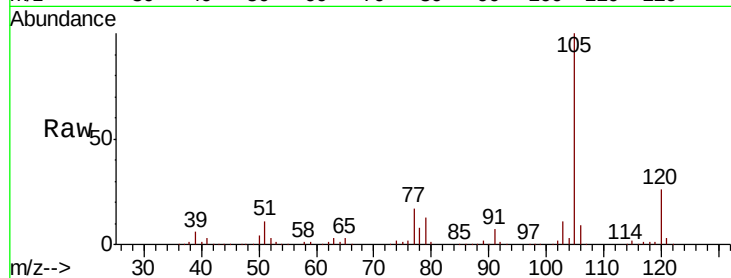
Tgt Ion: 105 Resp: 317341

Ion Ratio Lower Upper

105 100

120 26.1 20.6 30.8

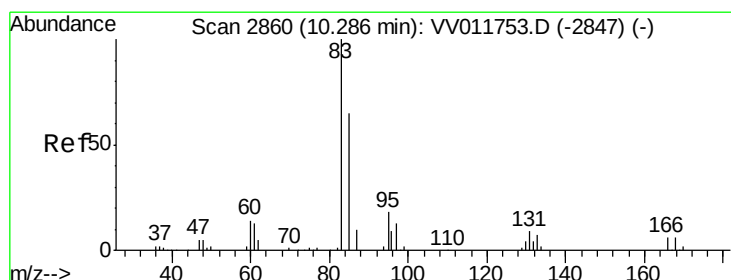
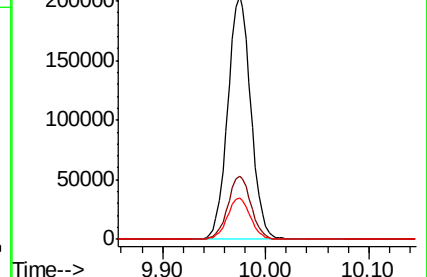
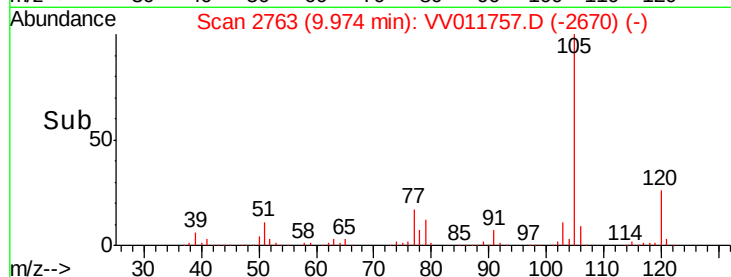
77 17.1 13.8 20.6



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: 4.984 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

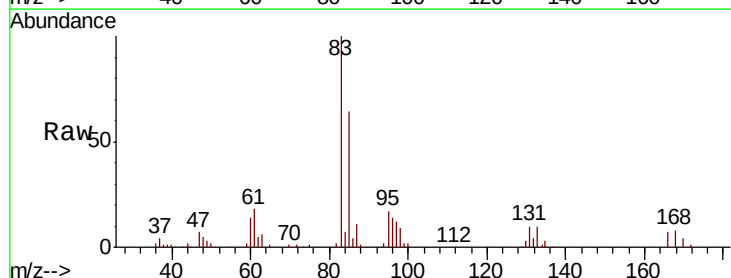
Tgt Ion: 83 Resp: 54845

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

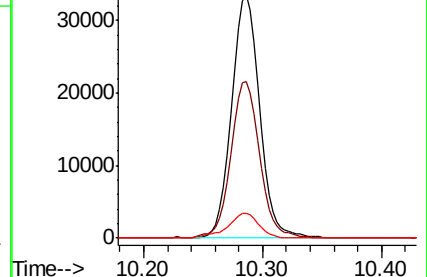
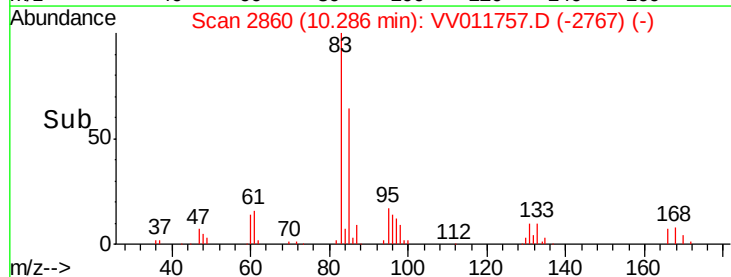
131 10.3 7.8 11.6

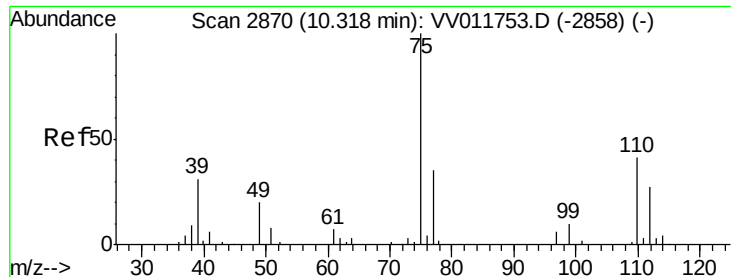


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

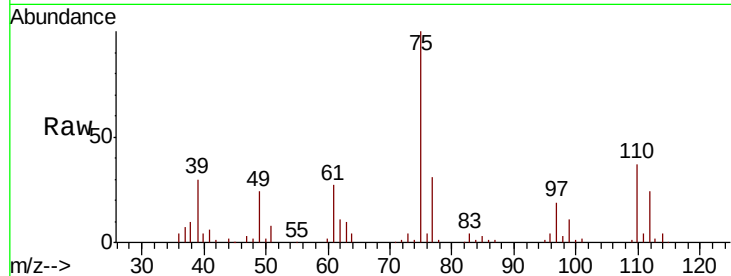




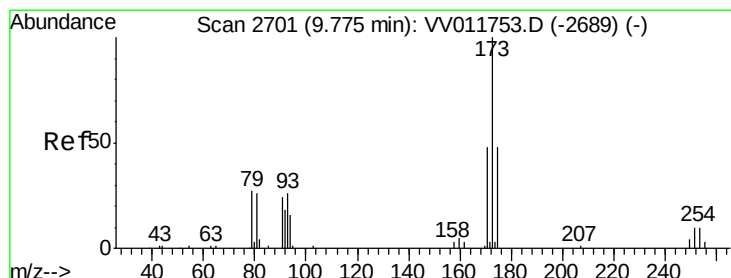
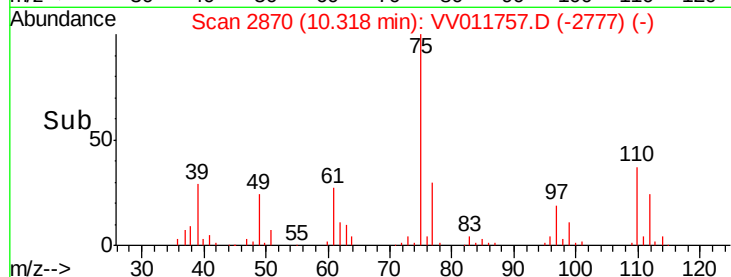
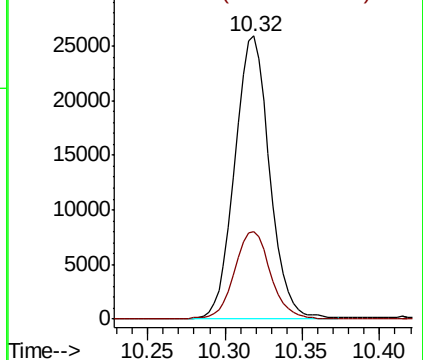
#59
 1,2,3-Trichloropropane
 Concen: 4.793 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion: 75 Resp: 40604
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8

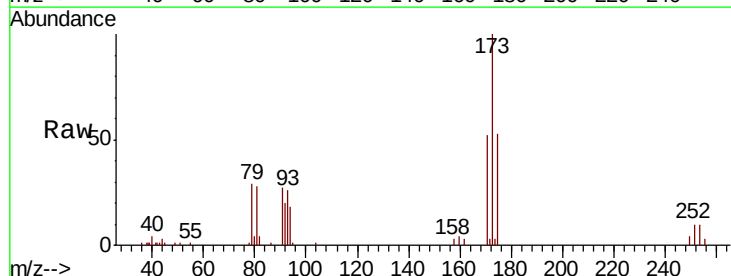


Abundance Ion 75.00 (74.70 to 75.70): VV011757.D (-2858) (-)
 Ion 77.00 (76.70 to 77.70): VV011757.D (-2858) (-)

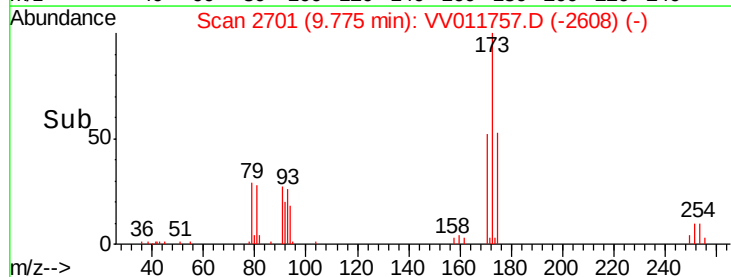
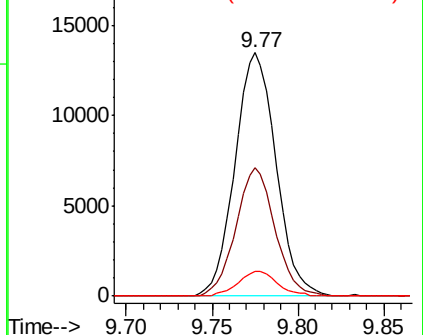


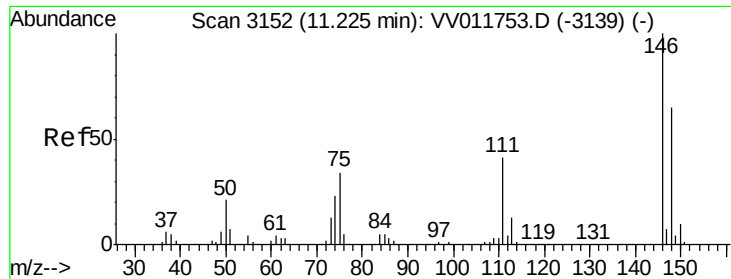
#61
 Bromoform
 Concen: 4.859 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 173 Resp: 22260
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.3 57.5
 254 9.7 7.4 11.0



Abundance Ion 172.90 (172.60 to 173.60): VV011757.D (-2689) (-)
 Ion 174.90 (174.60 to 175.60): VV011757.D (-2689) (-)
 Ion 253.75 (253.45 to 254.45): VV011757.D (-2689) (-)

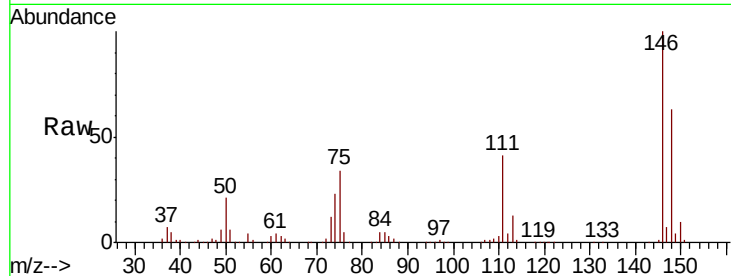




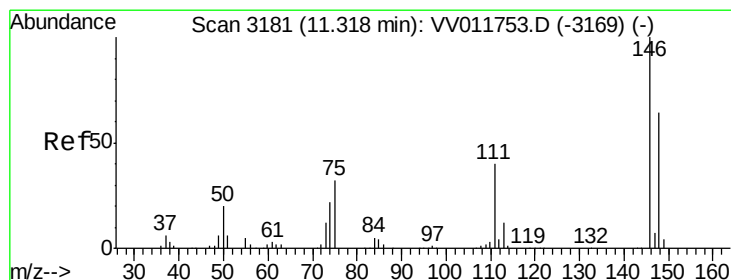
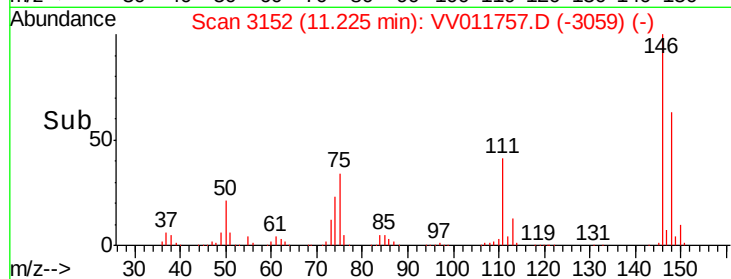
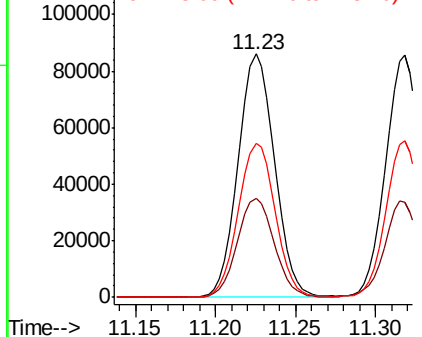
#62
 1,3-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion:146 Resp: 133550
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.4 52.8
 148 63.2 42.8 79.6

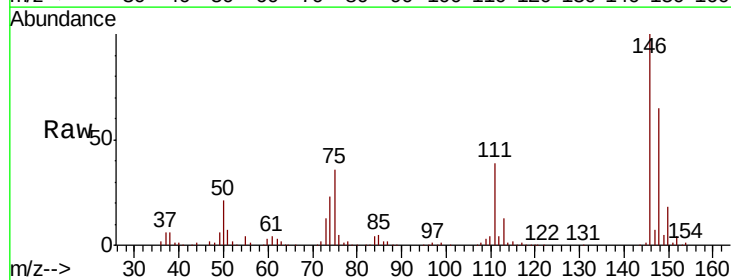


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

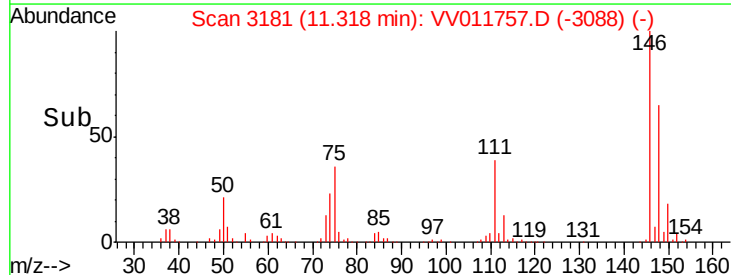
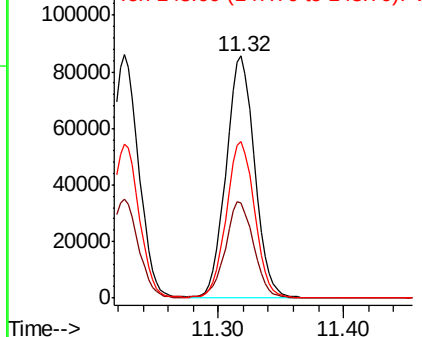


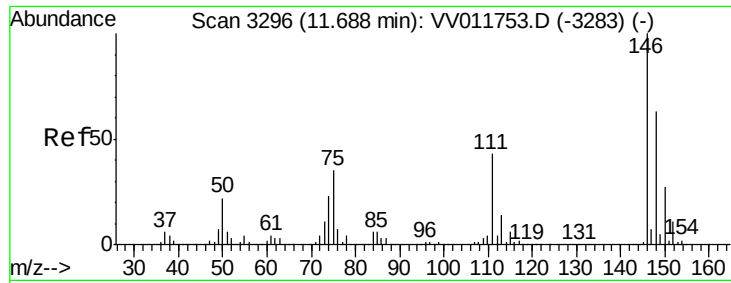
#63
 1,4-Dichlorobenzene
 Concen: 4.768 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion:146 Resp: 135519
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.7 51.5
 148 64.6 45.1 83.9



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

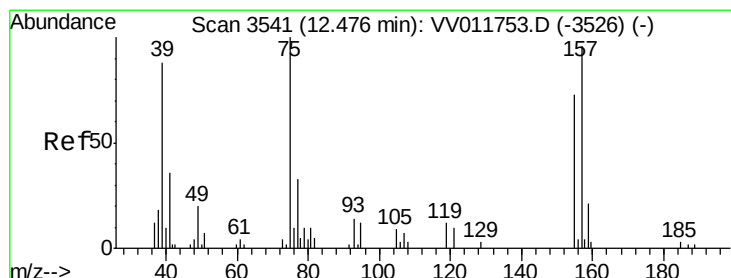
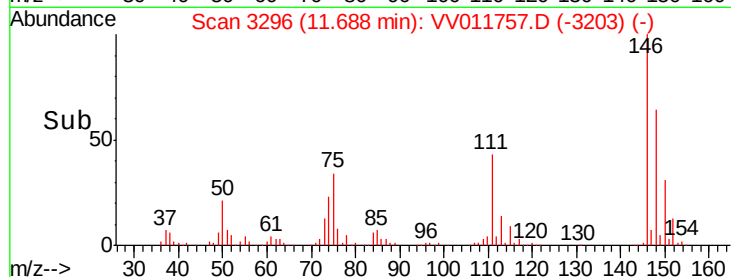
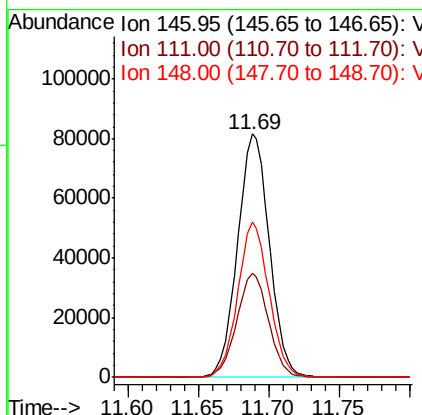
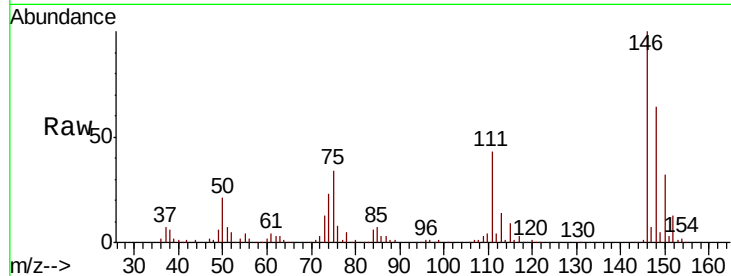




#65
 1,2-Dichlorobenzene
 Concen: 4.921 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

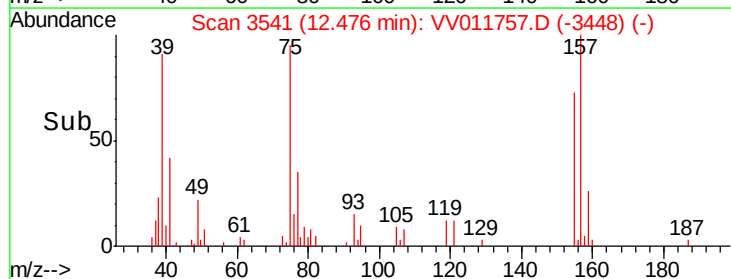
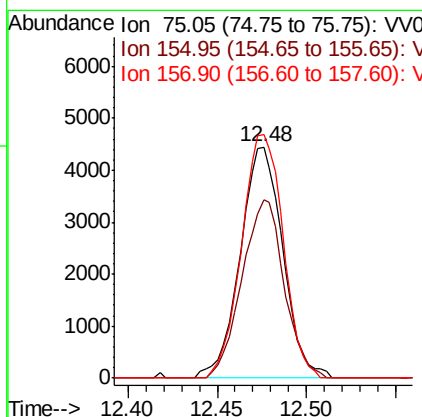
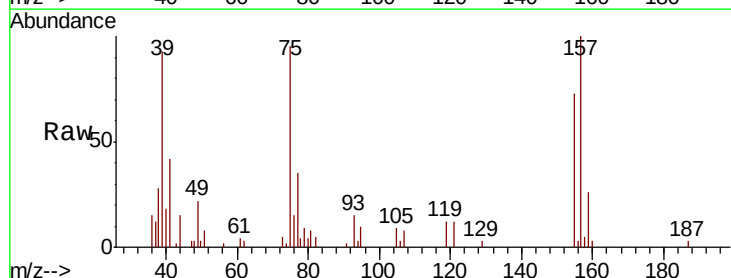
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

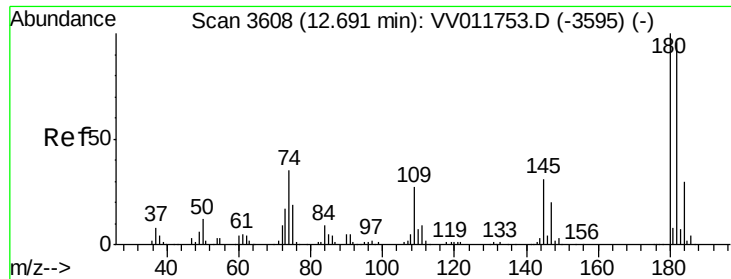
Tgt Ion: 146 Resp: 128961
 Ion Ratio Lower Upper
 146 100
 111 42.6 34.5 51.7
 148 63.6 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.938 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion: 75 Resp: 7412
 Ion Ratio Lower Upper
 75 100
 155 76.8 59.4 89.0
 157 105.3 77.5 116.3

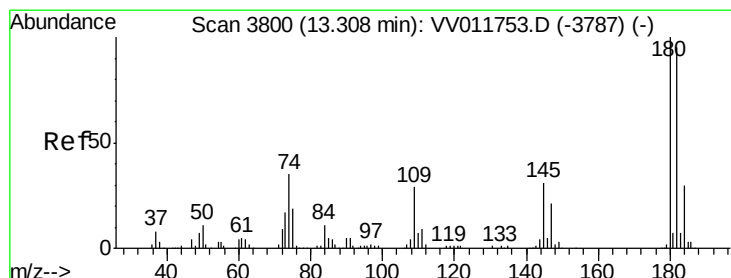
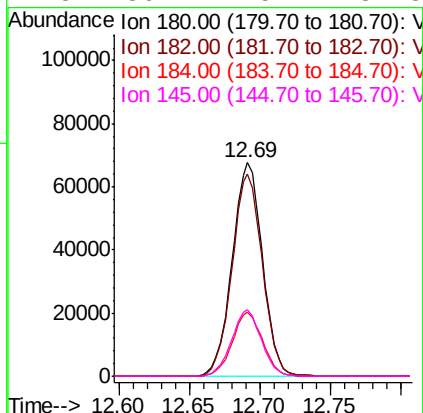
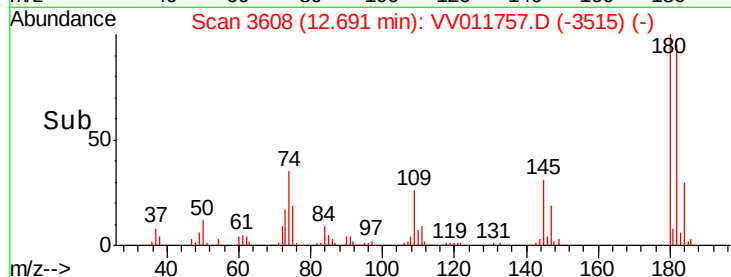
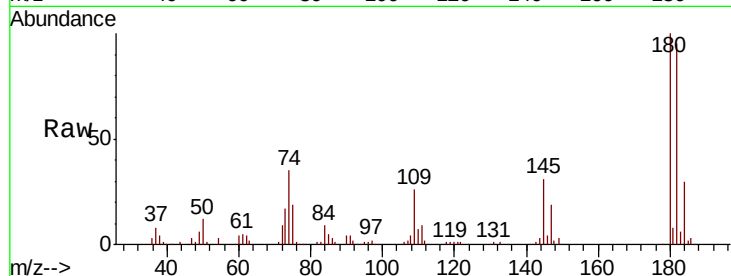




#67
 1,3,5-Trichlorobenzene
 Concen: 4.969 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

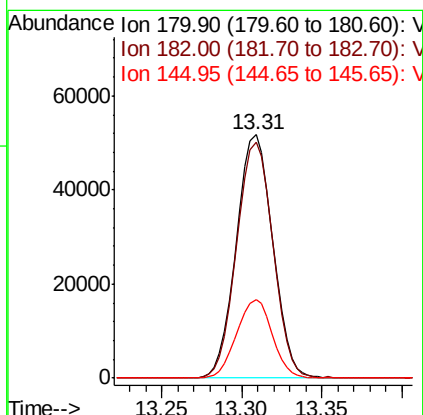
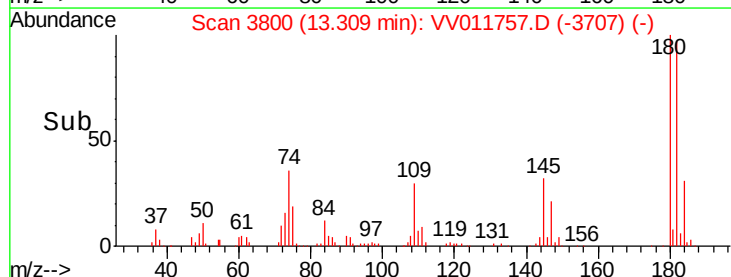
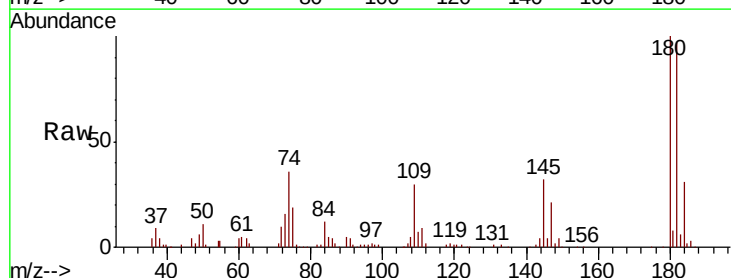
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

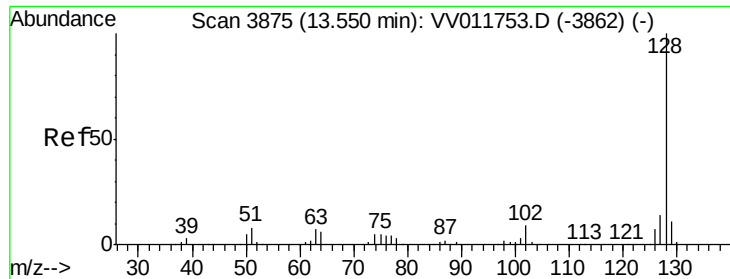
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
184	29.9	24.9	37.3
145	30.7	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.060 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011757.D
 Acq: 26 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	31.7	25.3	37.9





#69

Naphthalene

Concen: 5.238 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

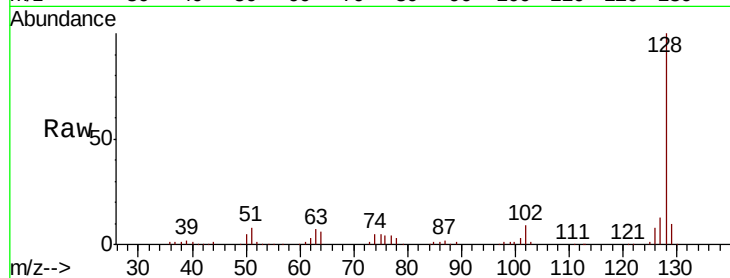
Tgt Ion:128 Resp: 135778

Ion Ratio Lower Upper

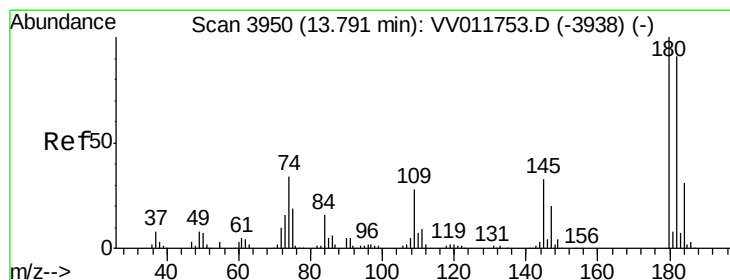
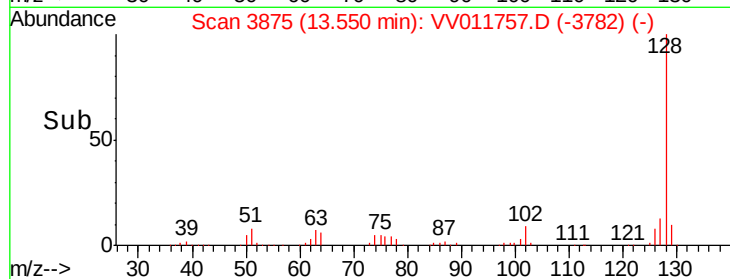
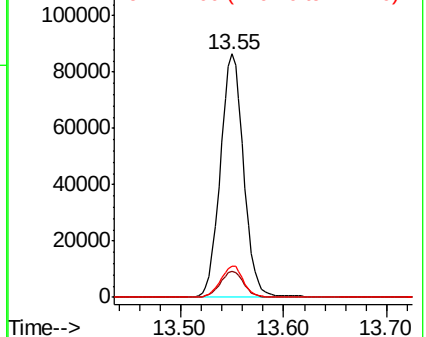
128 100

129 10.8 8.7 13.1

127 12.8 10.5 15.7



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: 5.036 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011757.D

Acq: 26 Jun 2019 12:40

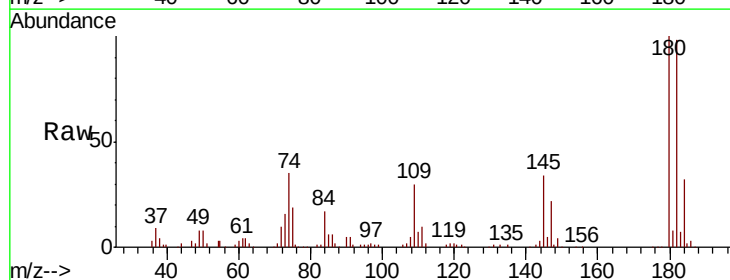
Tgt Ion:180 Resp: 74219

Ion Ratio Lower Upper

180 100

182 97.4 75.0 112.4

145 34.0 26.2 39.2



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

