

Data File : VV011881.D
Acq On : 12 Jul 2019 21:58
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Quant Time: Jul 13 04:32:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:20:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	167170	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163670	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	80033	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61807	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.58	69	48801	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.13	63	100932	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	3.95	46	164130	62.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.50%
24) Chloroform-d	4.40	84	119808	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.08	65	65149	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
32) Benzene-d6	5.10	84	234201	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.12	67	71349	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	218879	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.67	79	26742	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.13	63	123334	61.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50015	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	77095	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	79493	4.832	ug/L 99
3) Chloromethane	1.25	50	78772	4.860	ug/L 99
5) Vinyl chloride	1.32	62	77479	4.906	ug/L 98
6) Bromomethane	1.54	94	37897	4.207	ug/L 98
8) Chloroethane	1.60	64	43457	4.626	ug/L 98
9) Trichlorofluoromethane	1.77	101	103780	5.036	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47930	4.924	ug/L 97
12) 1,1-Dichloroethene	2.14	96	44534	4.986	ug/L 94
13) Acetone	2.20	43	81065	50.147	ug/L 98
14) Carbon disulfide	2.32	76	120380	5.011	ug/L 99
15) Methyl Acetate	2.46	43	19939	5.188	ug/L 93
16) Methylene chloride	2.53	84	47143	4.983	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	142606	5.527	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	59491	5.013	ug/L 92
19) 1,1-Dichloroethane	3.23	63	117788	5.256	ug/L 96
21) 2-Butanone	4.03	43	175593	59.878	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	64549	5.078	ug/L 94

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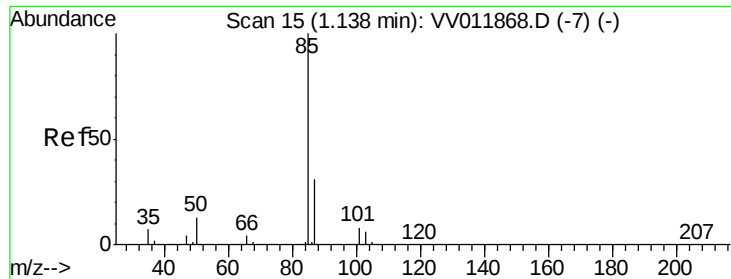
Quant Time: Jul 13 04:32:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26748	4.978	ug/L	93
25) Chloroform	4.43	83	122285	4.947	ug/L	99
27) 1,2-Dichloroethane	5.18	62	78190	5.496	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	100031	4.849	ug/L	98
30) Cyclohexane	4.73	56	105279	4.971	ug/L	96
31) Carbon tetrachloride	4.88	117	85283	4.835	ug/L	99
33) Benzene	5.15	78	255228	5.009	ug/L	100
34) Trichloroethene	5.96	95	68826	4.735	ug/L	95
35) Methylcyclohexane	6.18	83	103954	4.871	ug/L	97
37) 1,2-Dichloropropane	6.22	63	63083	4.946	ug/L	97
38) Bromodichloromethane	6.56	83	77001	4.990	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	85809	4.910	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	436312	57.548	ug/L	99
42) Toluene	7.43	91	271031	5.067	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	68075	5.027	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	43642	5.111	ug/L	96
47) Tetrachloroethene	8.02	164	51292	4.791	ug/L	97
48) 2-Hexanone	8.19	43	318651	58.509	ug/L	99
49) Dibromochloromethane	8.29	129	47173	5.023	ug/L	100
50) 1,2-Dibromoethane	8.40	107	40368	5.121	ug/L	98
51) Chlorobenzene	8.92	112	170854	4.938	ug/L	99
52) Ethylbenzene	9.05	91	296278	5.013	ug/L	98
53) m,p-xylene	9.18	106	111307	5.103	ug/L	98
54) o-xylene	9.59	106	106223	5.108	ug/L	99
55) Styrene	9.60	104	182643	5.207	ug/L	100
56) Isopropylbenzene	9.97	105	284121	5.007	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	47613	5.657	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	38768	5.112	ug/L	97
61) Bromoform	9.77	173	22063	4.963	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	127077	4.917	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	132468	4.950	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	123488	5.049	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	7328	4.874	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	97143	4.781	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	80920	5.030	ug/L	100
69) Naphthalene	13.55	128	132903	5.594	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	75773	5.187	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.832 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011881.D

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MSVOA_V

ClientSampleId :

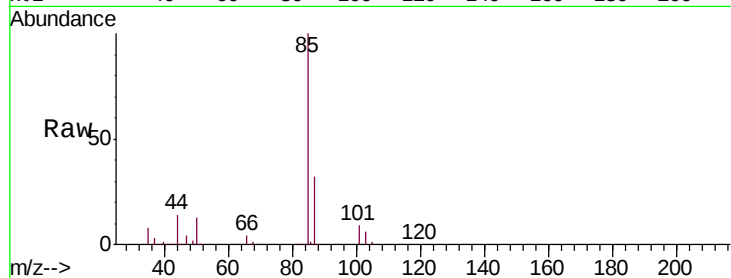
VSTD00559

Tgt Ion: 85 Resp: 79493

Ion Ratio Lower Upper

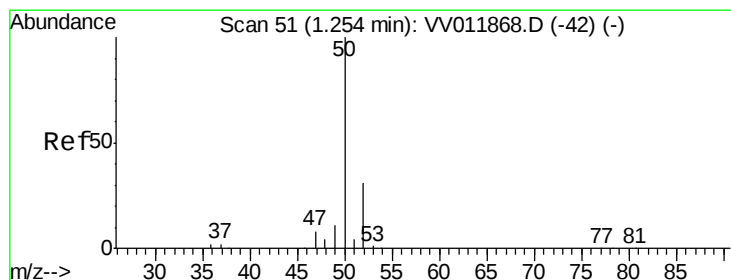
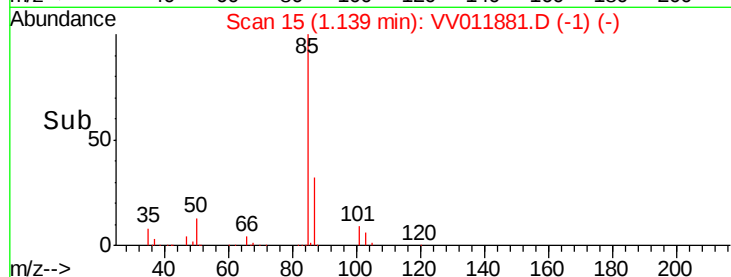
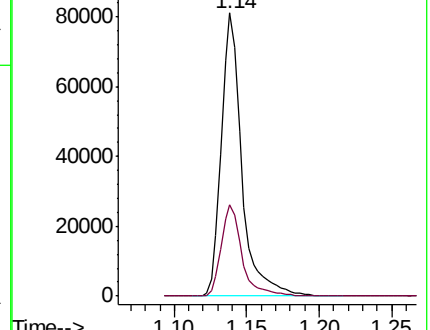
85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011868.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011868.D (-7) (-)



#3

Chloromethane

Concen: 4.860 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011881.D

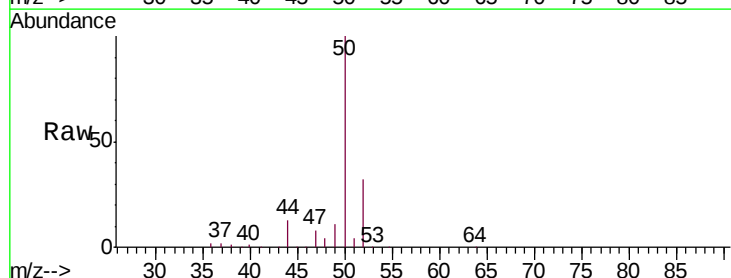
Acq: 12 Jul 2019 21:58

Tgt Ion: 50 Resp: 78772

Ion Ratio Lower Upper

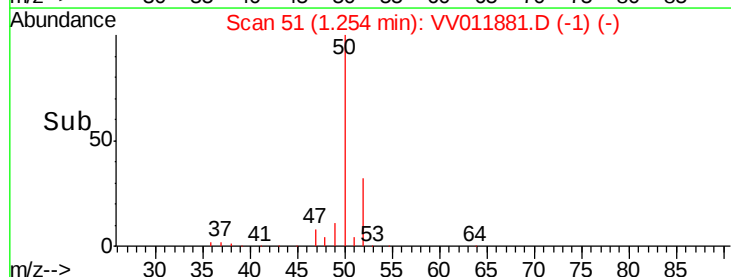
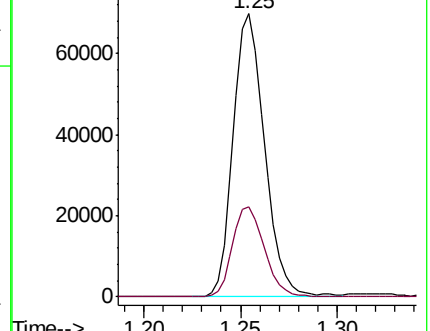
50 100

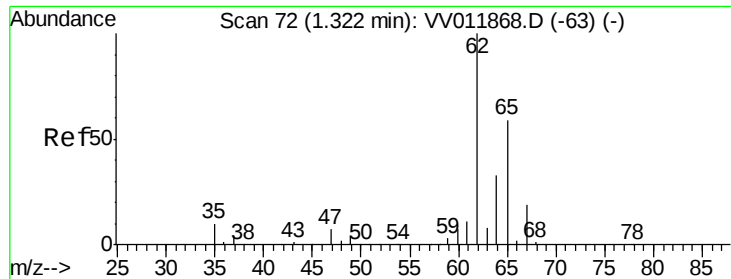
52 31.9 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV011868.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011868.D (-42) (-)





#5

Vinyl chloride

Concen: 4.906 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

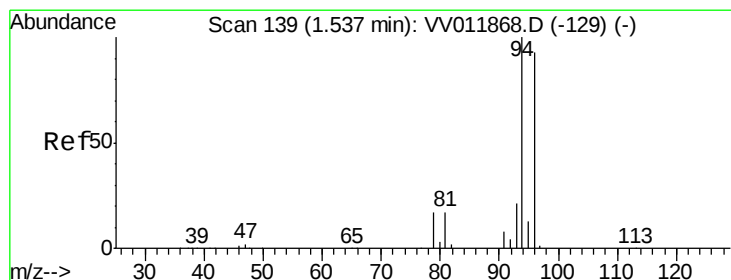
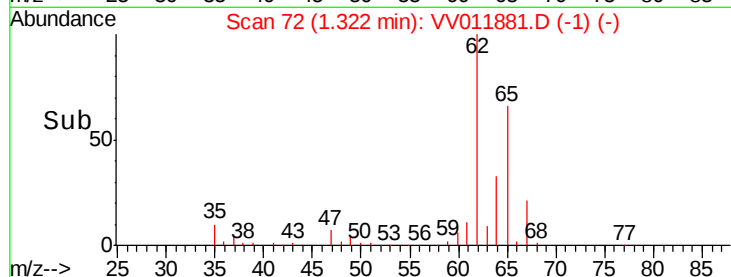
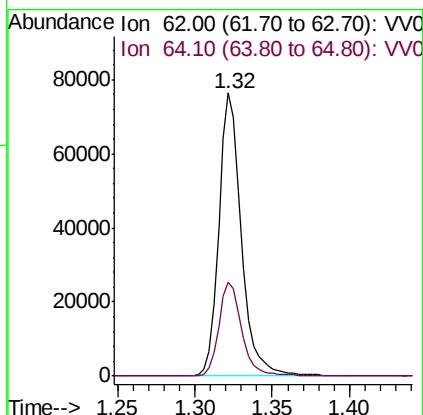
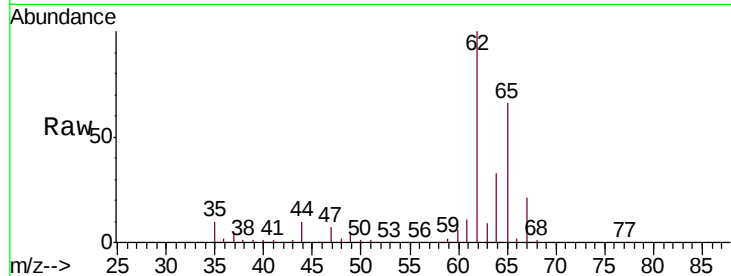
VSTD00559

Tgt Ion: 62 Resp: 77479

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.3



#6

Bromomethane

Concen: 4.207 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011881.D

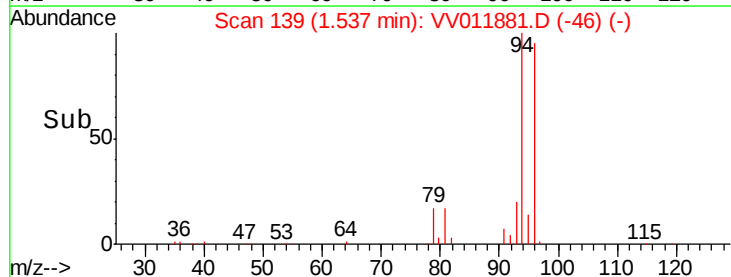
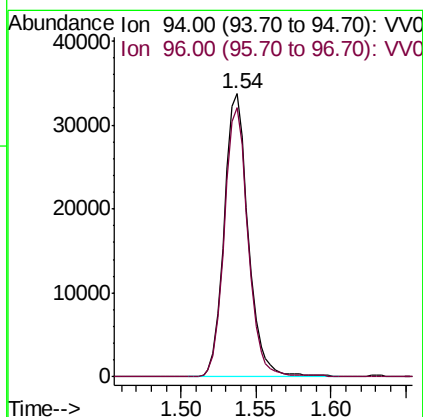
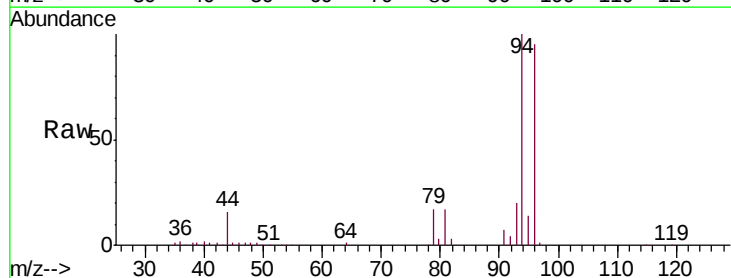
Acq: 12 Jul 2019 21:58

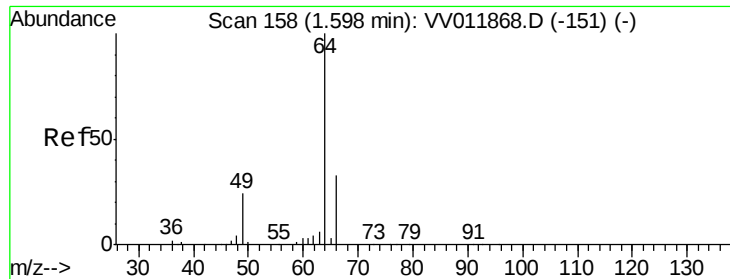
Tgt Ion: 94 Resp: 37897

Ion Ratio Lower Upper

94 100

96 95.3 67.9 126.1





#8

Chloroethane

Concen: 4.626 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

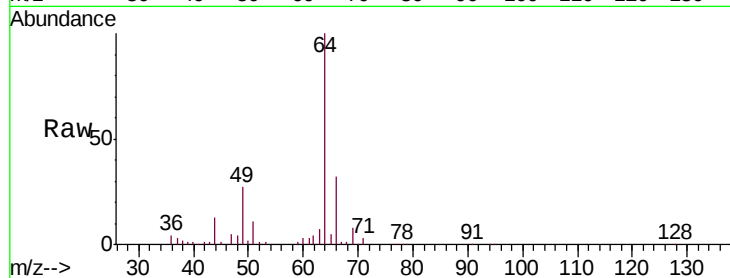
VSTD00559

Tgt Ion: 64 Resp: 43457

Ion Ratio Lower Upper

64 100

66 32.0 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV011881.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011881.D (-151) (-)

1.60

40000

30000

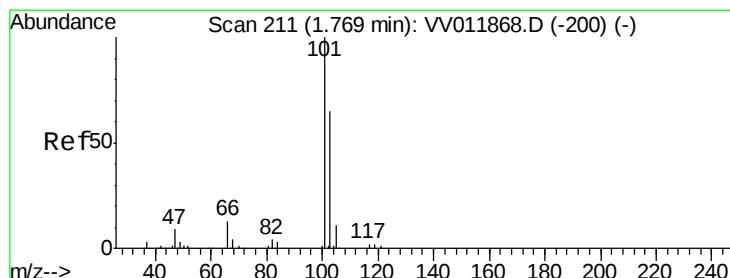
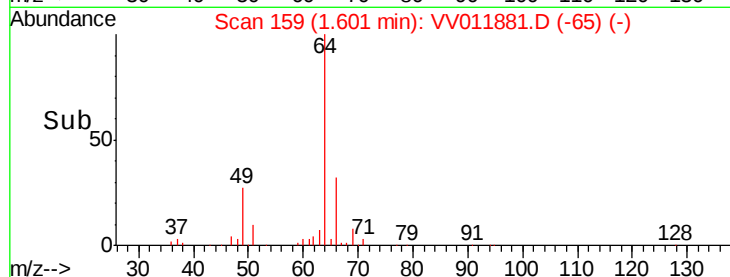
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.036 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011881.D

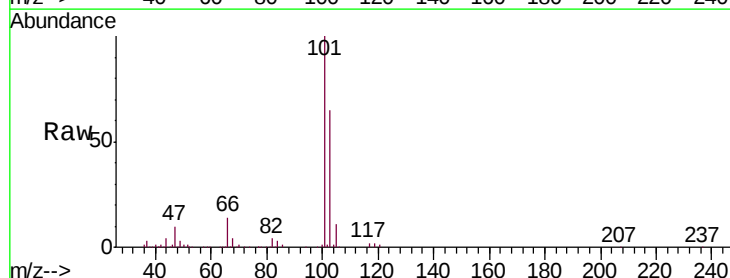
Acq: 12 Jul 2019 21:58

Tgt Ion: 101 Resp: 103780

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV011881.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV011881.D (-200) (-)

1.77

80000

60000

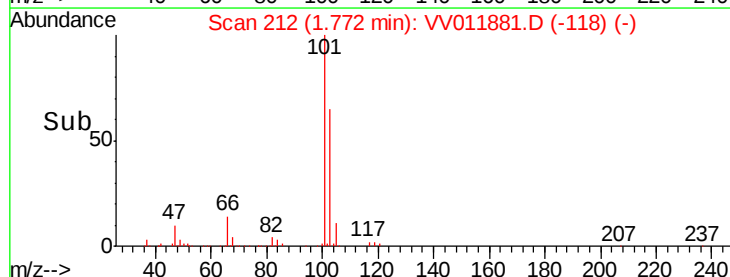
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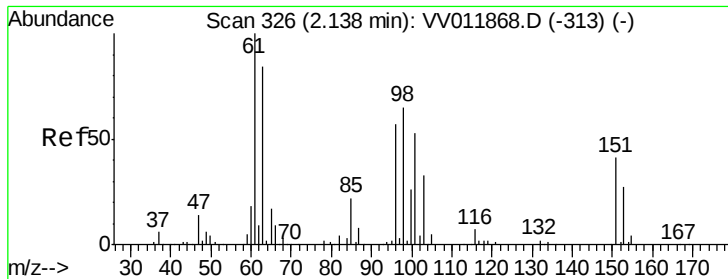
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.924 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

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ClientSampleId :

VSTD00559

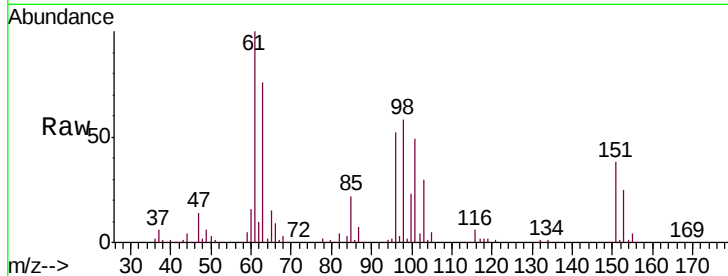
Tgt Ion: 101 Resp: 47930

Ion Ratio Lower Upper

101 100

85 46.0 34.8 52.2

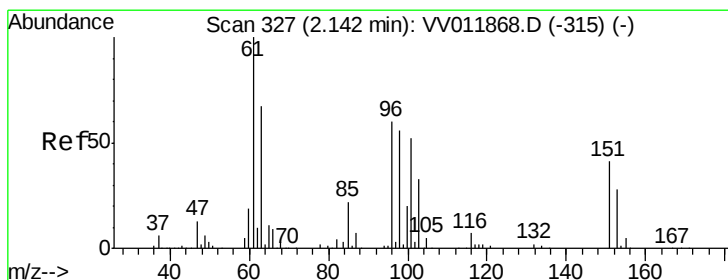
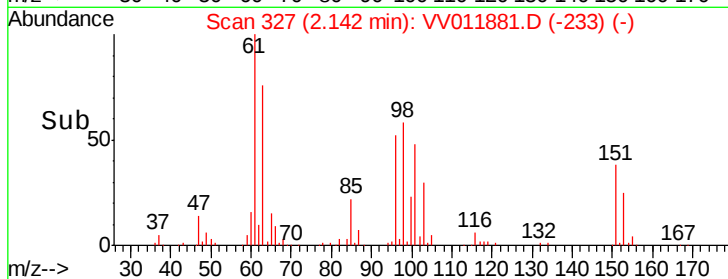
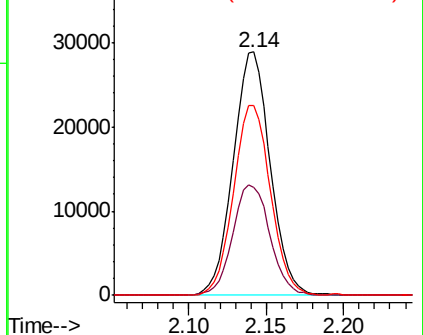
151 78.0 60.8 91.2



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: 4.986 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

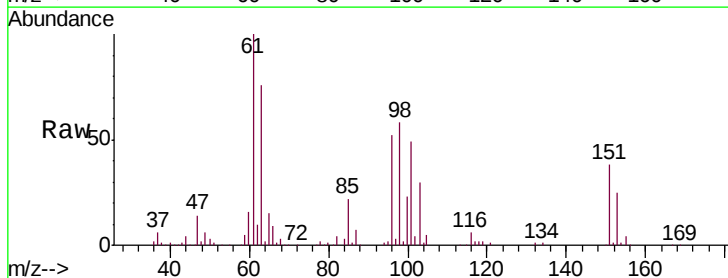
Tgt Ion: 96 Resp: 44534

Ion Ratio Lower Upper

96 100

61 191.5 128.1 237.9

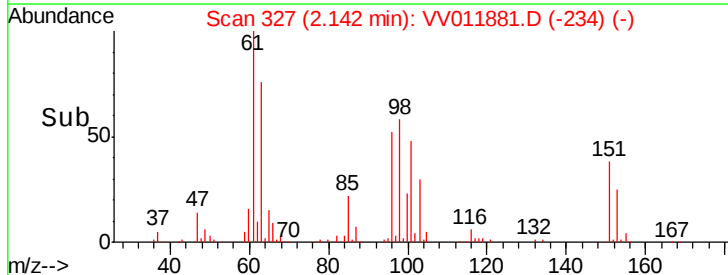
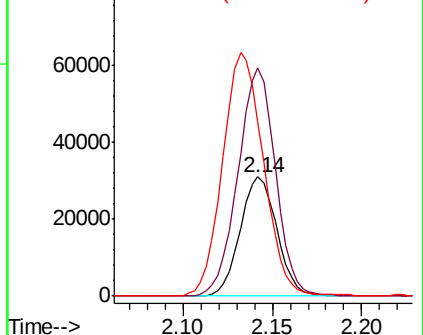
63 146.1 96.7 179.5

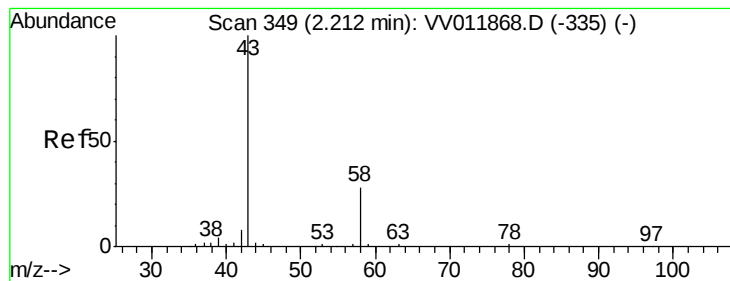


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.147 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

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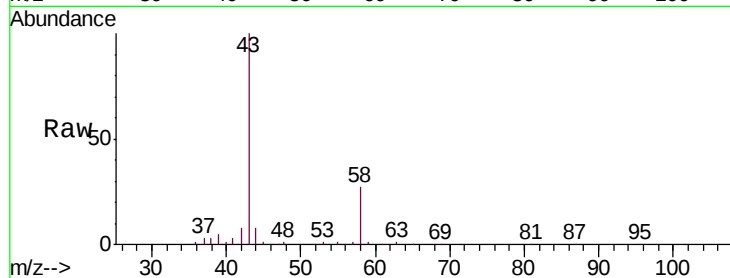
VSTD00559

Tgt Ion: 43 Resp: 81065

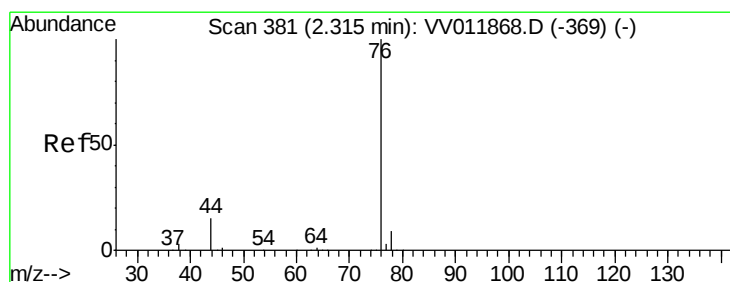
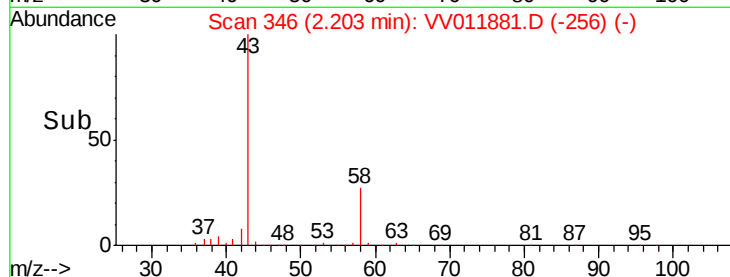
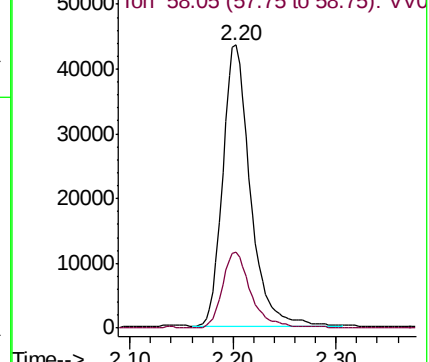
Ion Ratio Lower Upper

43 100

58 28.3 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011881.D (-256) (-)



#14

Carbon disulfide

Concen: 5.011 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011881.D

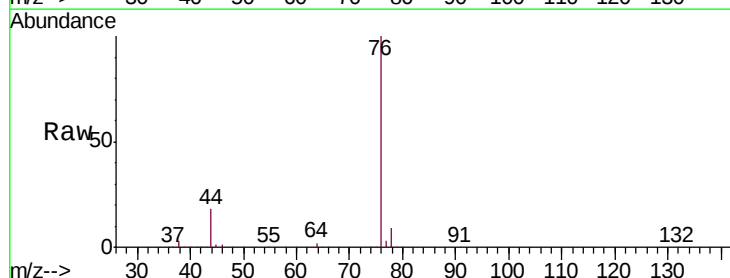
Acq: 12 Jul 2019 21:58

Tgt Ion: 76 Resp: 120380

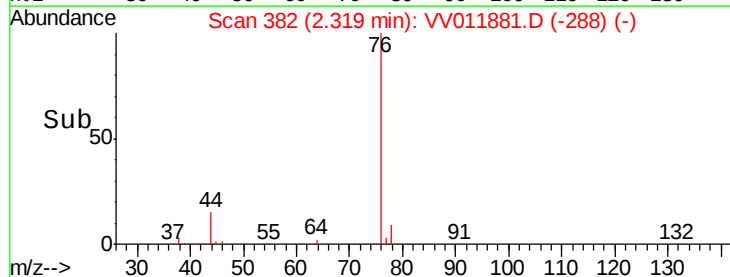
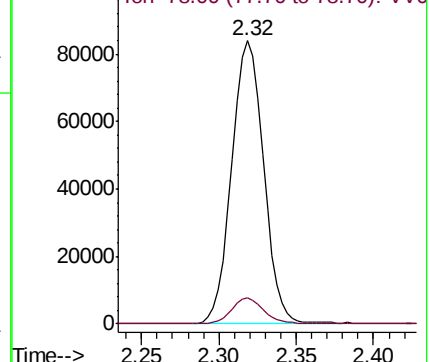
Ion Ratio Lower Upper

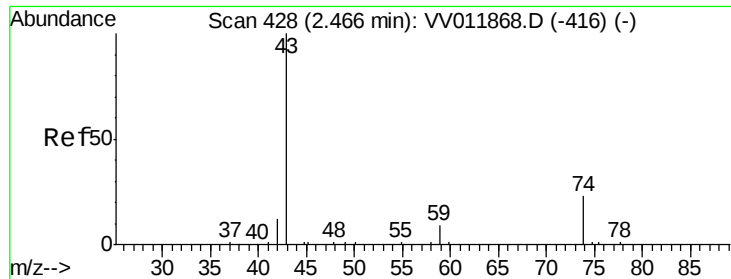
76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011881.D (-288) (-)

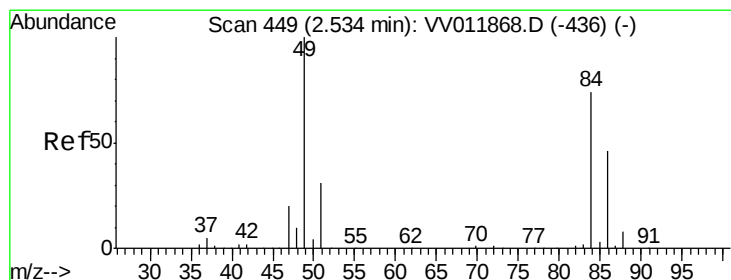
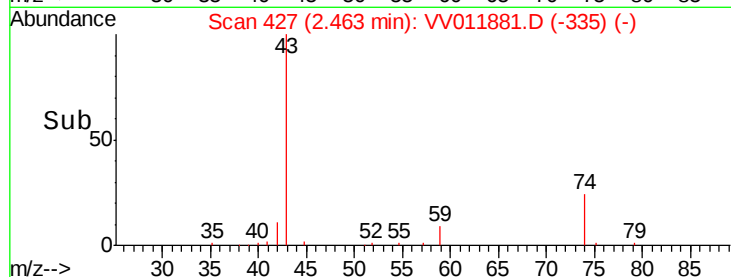
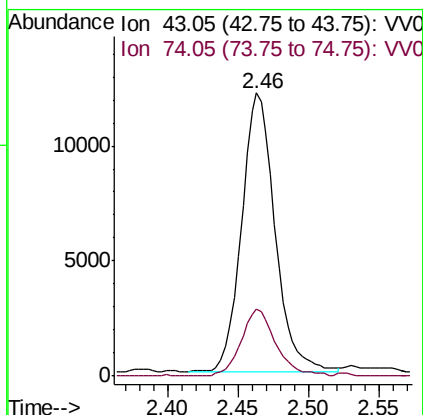
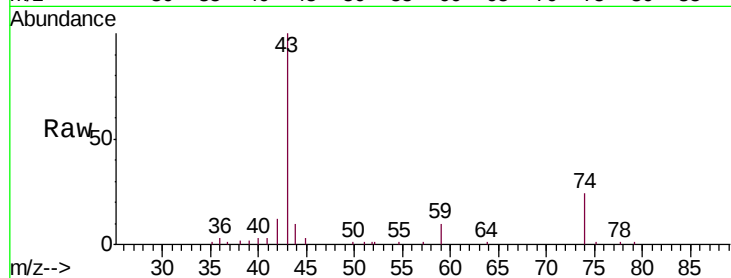




#15
Methyl Acetate
Concen: 5.188 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

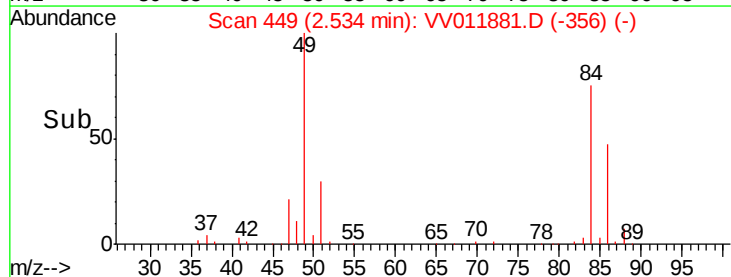
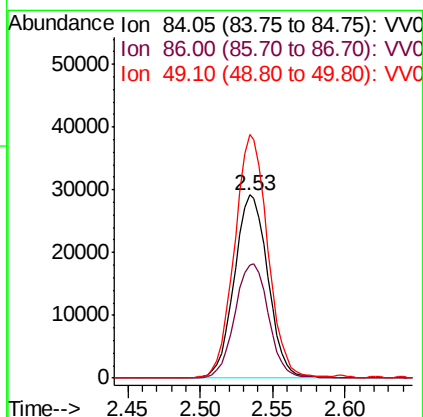
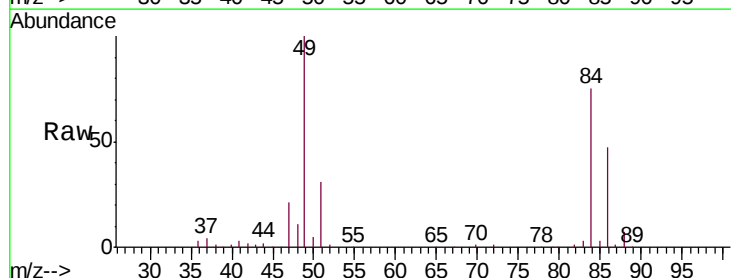
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

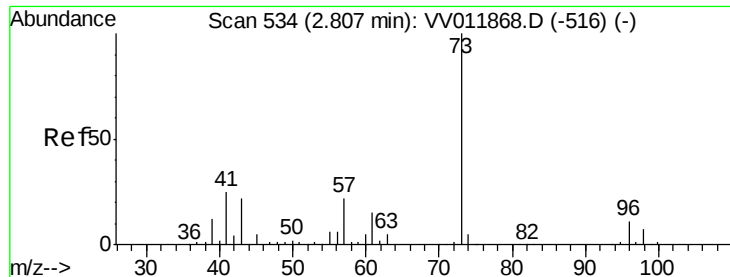
Tgt Ion: 43 Resp: 19939
Ion Ratio Lower Upper
43 100
74 25.0 17.4 26.0



#16
Methylene chloride
Concen: 4.983 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Tgt Ion: 84 Resp: 47143
Ion Ratio Lower Upper
84 100
86 61.9 43.9 81.5
49 132.8 92.6 172.0

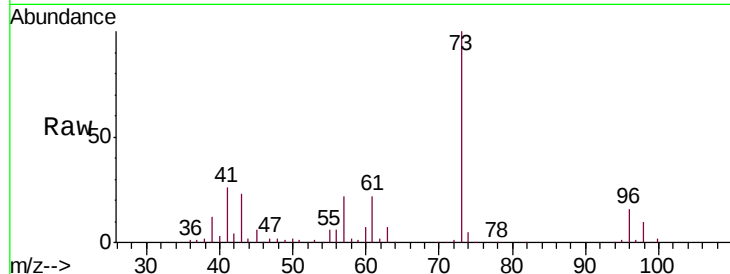




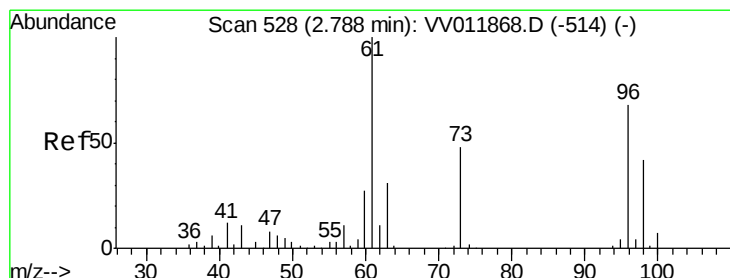
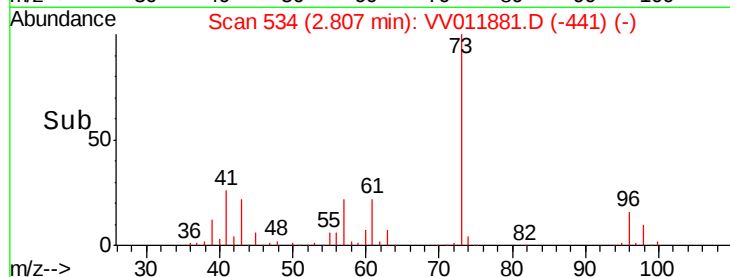
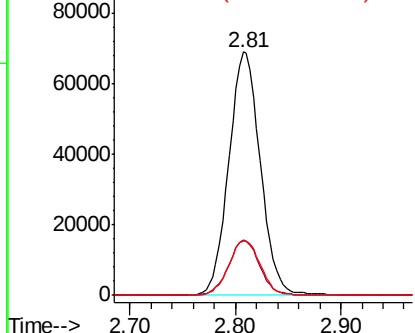
#17
Methyl tert-butyl Ether
Concen: 5.527 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion: 73 Resp: 142606
Ion Ratio Lower Upper
73 100
43 21.9 16.3 24.5
57 22.6 17.4 26.0

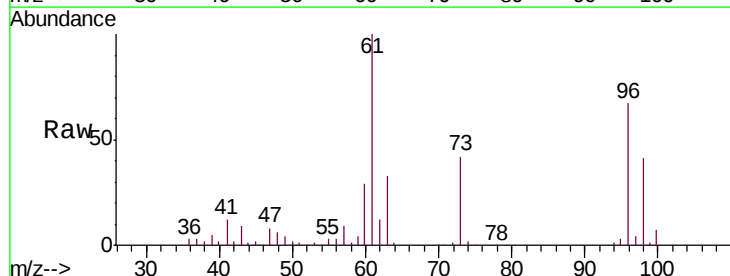


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

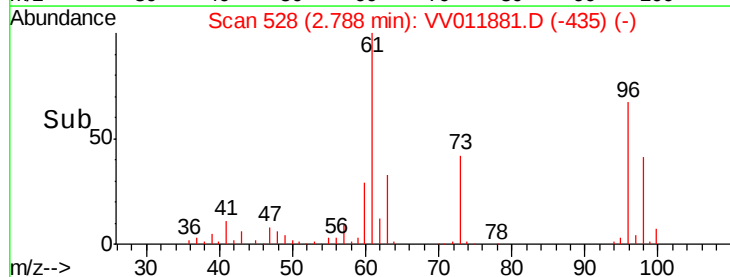
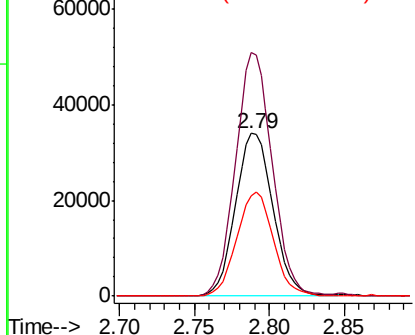


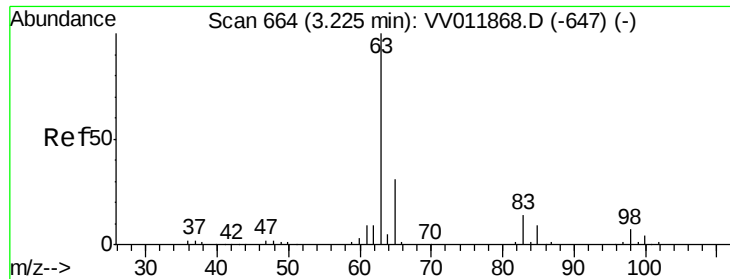
#18
trans-1,2-Dichloroethene
Concen: 5.013 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Tgt Ion: 96 Resp: 59491
Ion Ratio Lower Upper
96 100
61 149.8 94.8 176.2
98 61.9 43.4 80.6



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

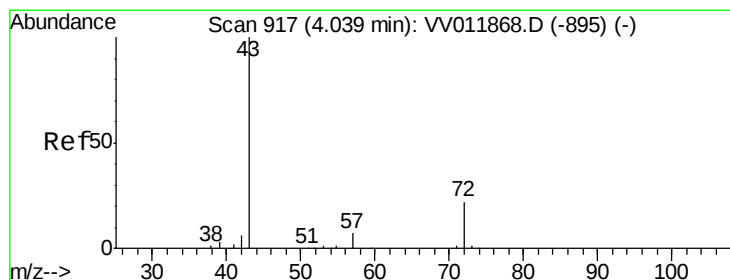
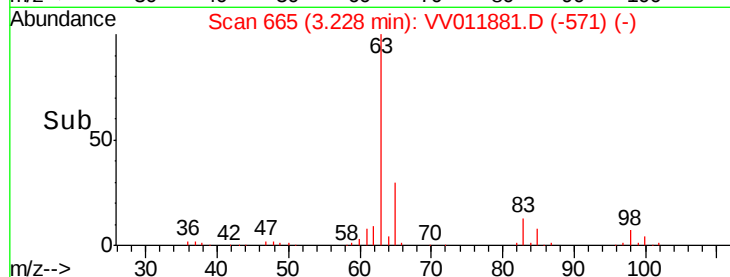
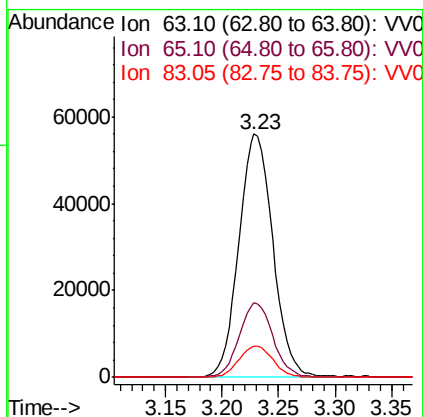
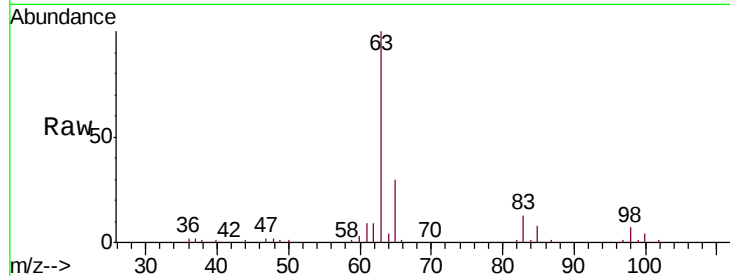




#19
 1,1-Dichloroethane
 Concen: 5.256 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

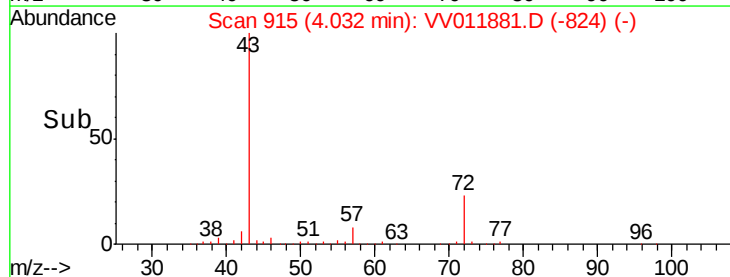
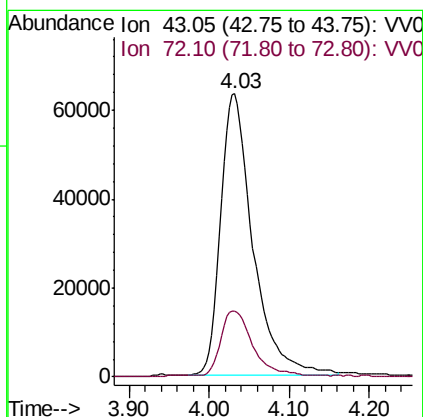
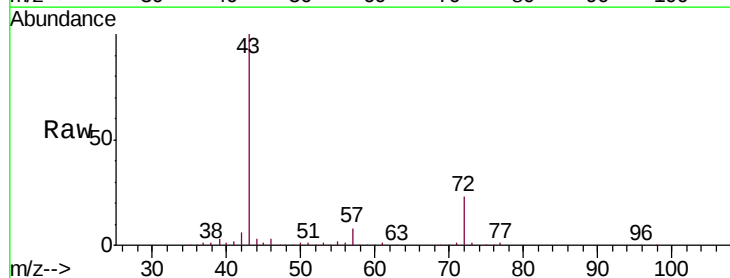
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

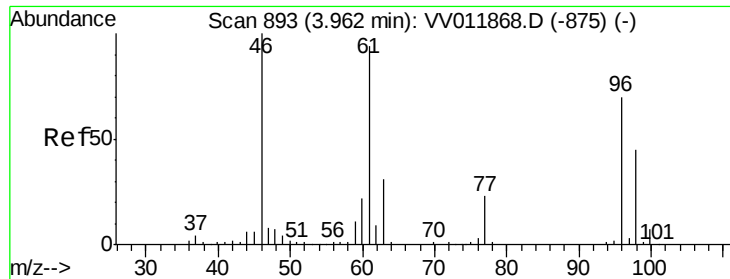
Tgt Ion: 63 Resp: 117788
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.6 42.0
 83 12.7 10.0 18.6



#21
 2-Butanone
 Concen: 59.878 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion: 43 Resp: 175593
 Ion Ratio Lower Upper
 43 100
 72 23.1 12.2 36.4

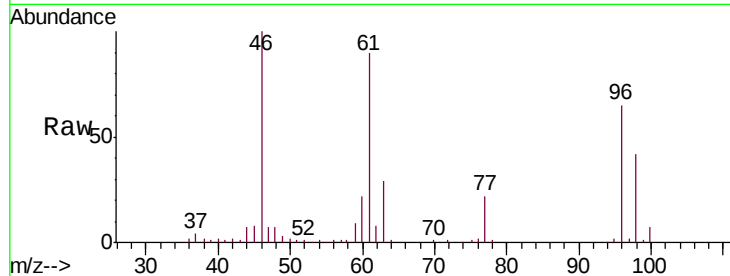




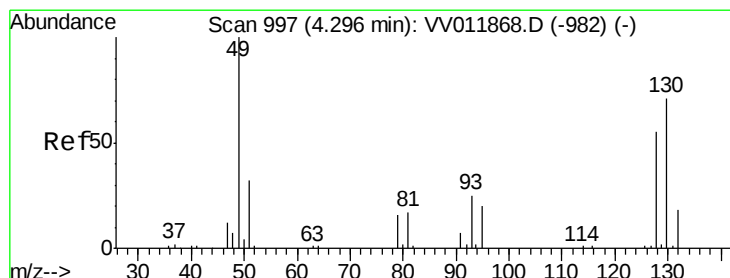
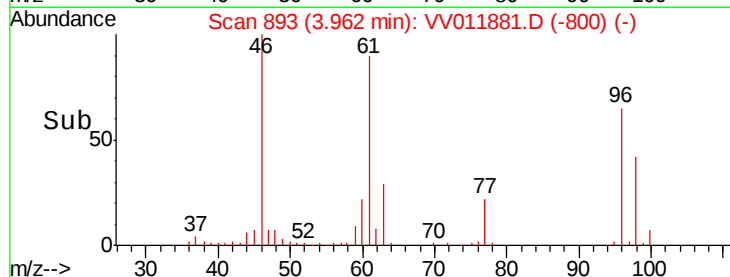
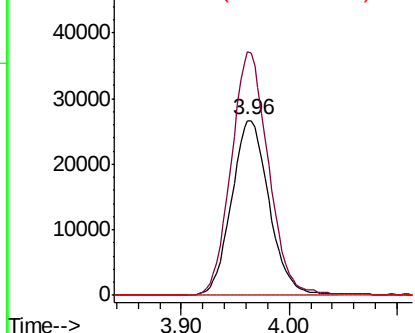
#22
 cis-1,2-Dichloroethene
 Concen: 5.078 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion: 96 Resp: 64549
 Ion Ratio Lower Upper
 96 100
 61 139.1 92.6 172.0
 68 0.0 0.0 0.0

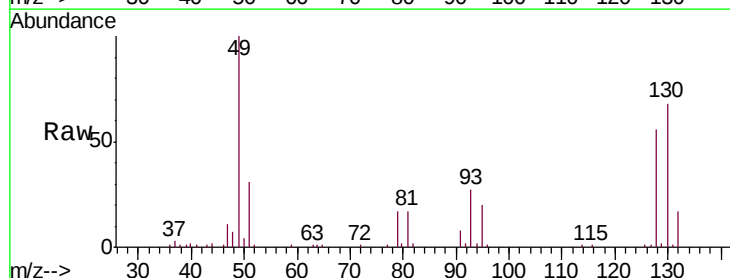


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

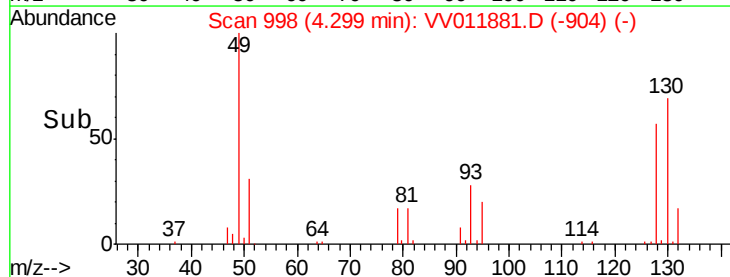
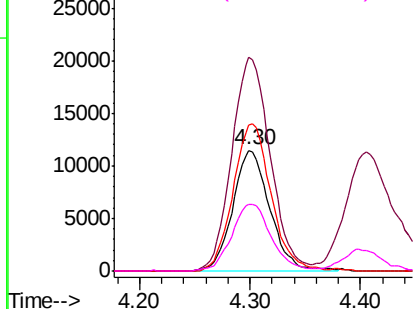


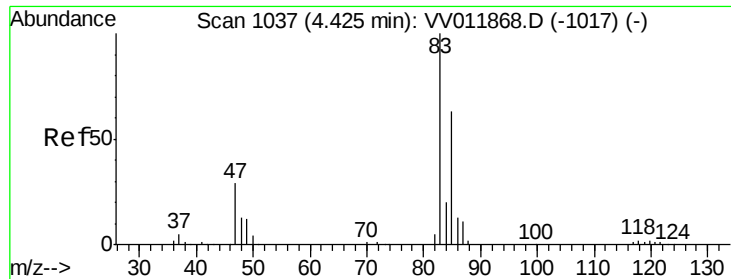
#23
 Bromochloromethane
 Concen: 4.978 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion: 128 Resp: 26748
 Ion Ratio Lower Upper
 128 100
 49 177.3 116.3 216.1
 130 121.0 90.3 167.7
 51 55.5 42.0 63.0



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

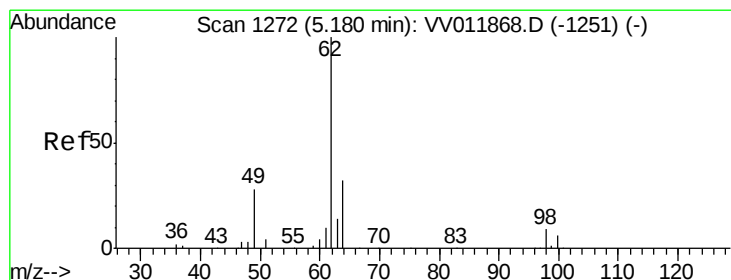
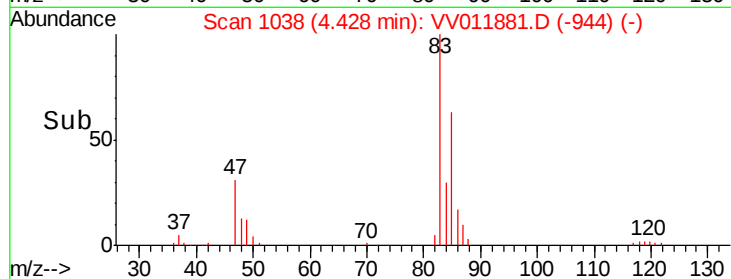
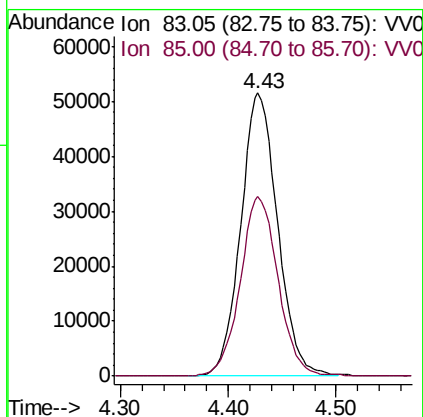
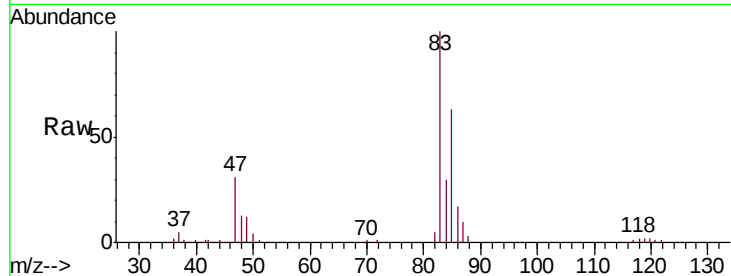




#25
Chloroform
Concen: 4.947 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

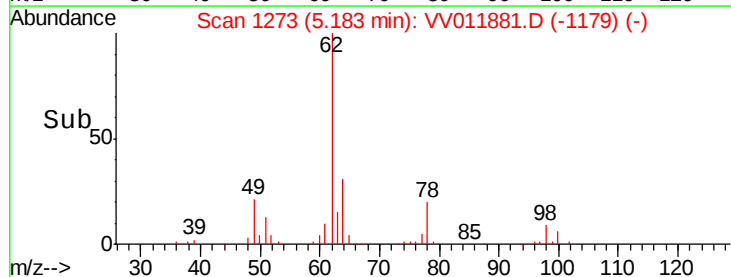
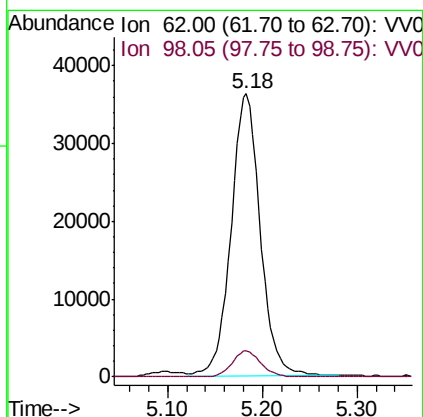
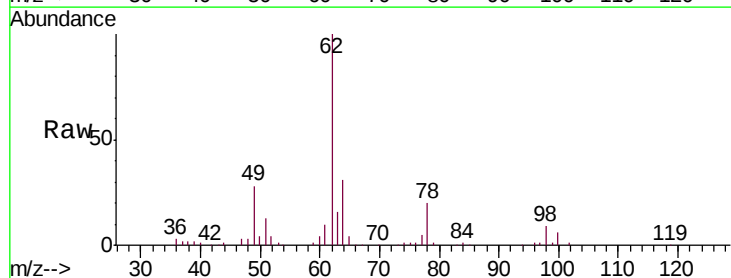
Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

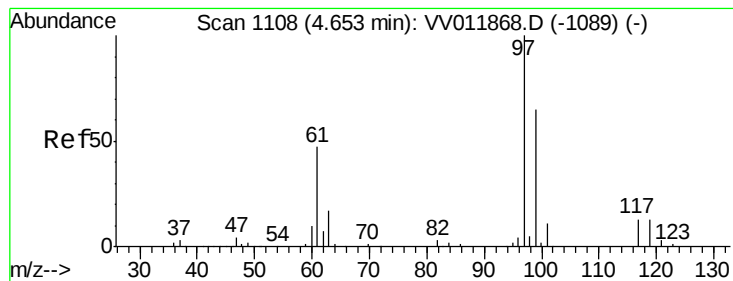
Tgt Ion: 83 Resp: 122285
Ion Ratio Lower Upper
83 100
85 63.4 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.496 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Tgt Ion: 62 Resp: 78190
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.849 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

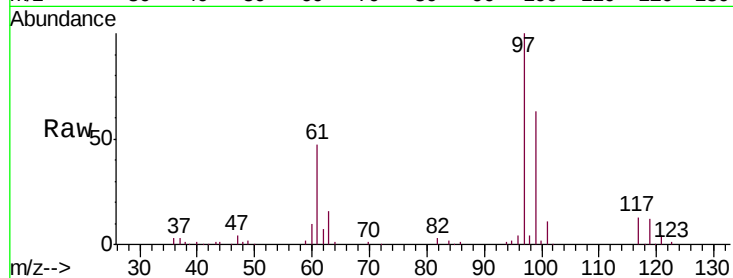
Tgt Ion: 97 Resp: 100031

Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 47.3 35.8 53.8

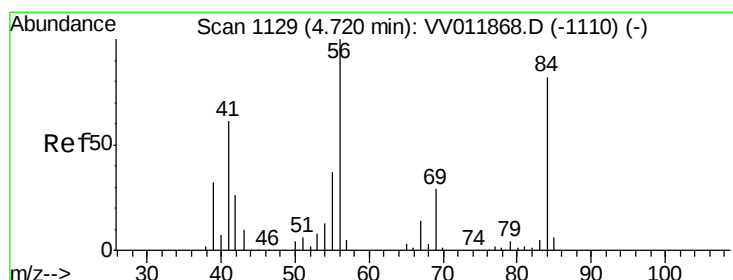
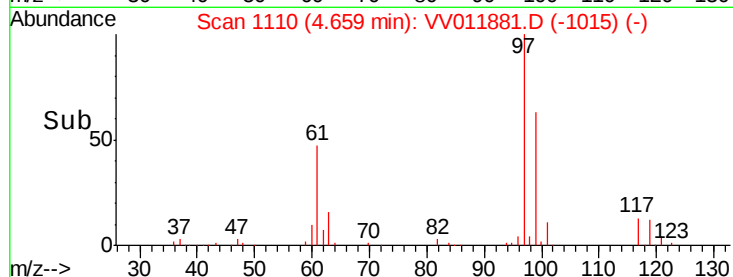
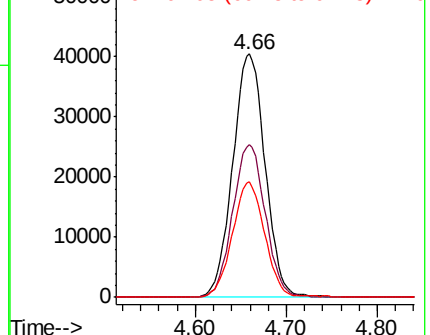


Abundance

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: 4.971 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

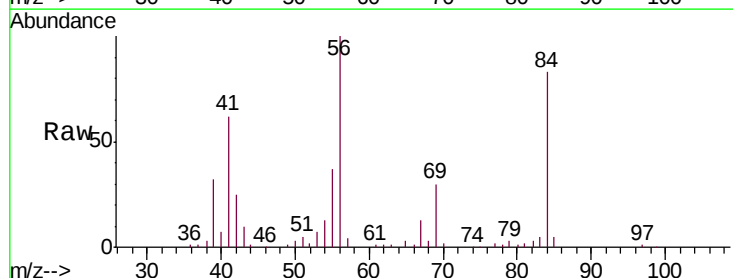
Tgt Ion: 56 Resp: 105279

Ion Ratio Lower Upper

56 100

69 29.0 24.2 36.4

84 82.7 69.6 104.4

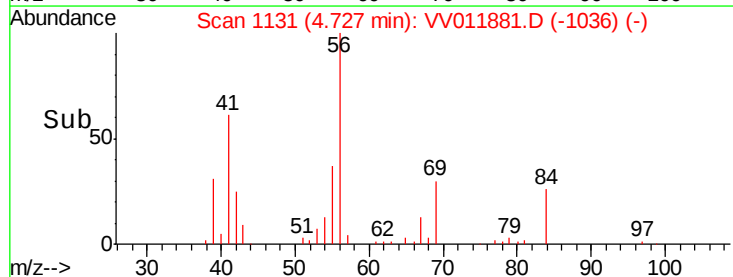
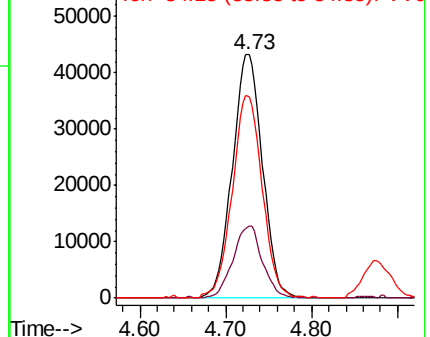


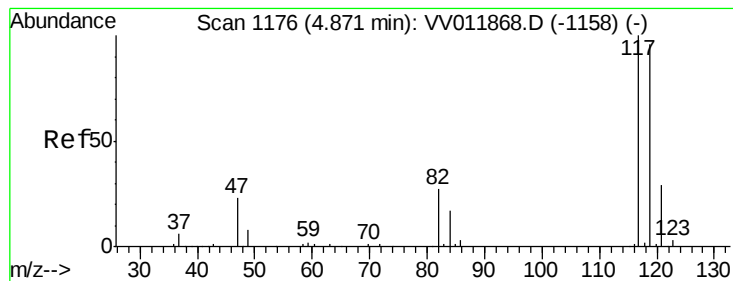
Abundance

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: 4.835 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

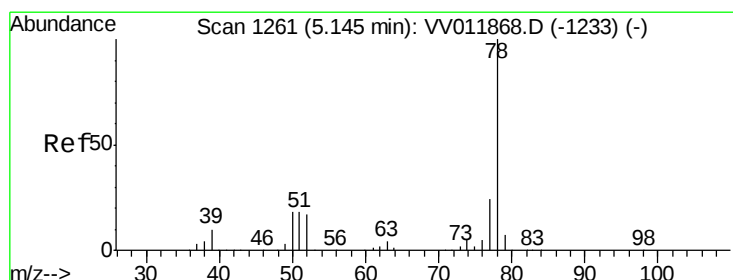
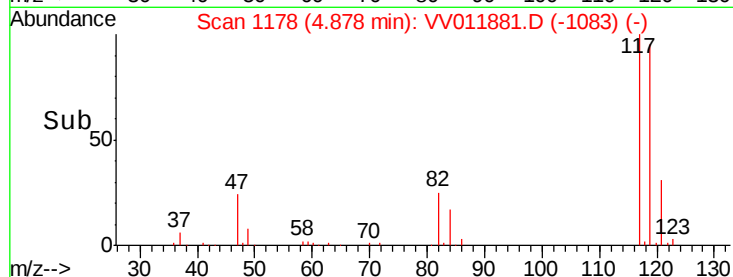
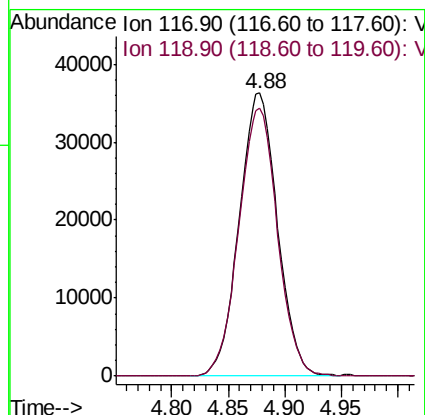
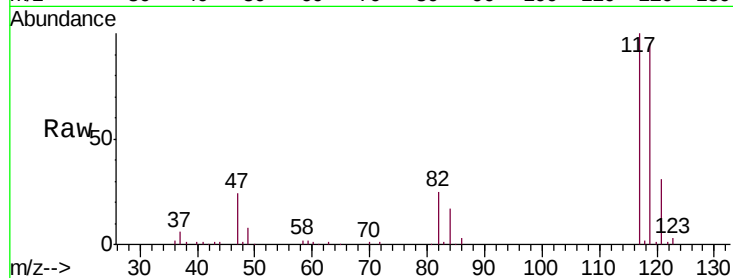
VSTD00559

Tgt Ion:117 Resp: 85283

Ion Ratio Lower Upper

117 100

119 95.9 77.7 116.5



#33

Benzene

Concen: 5.009 ug/L

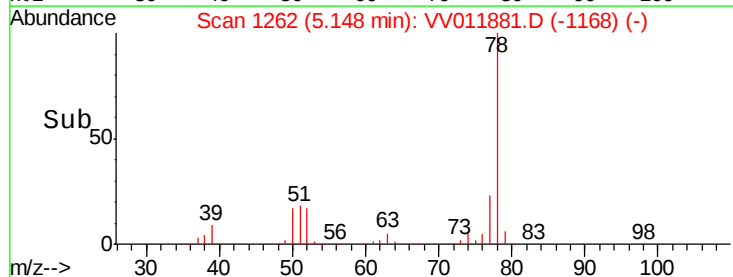
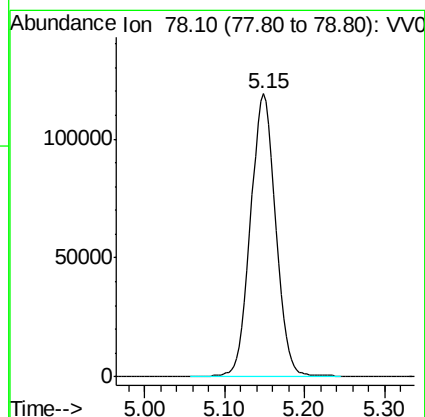
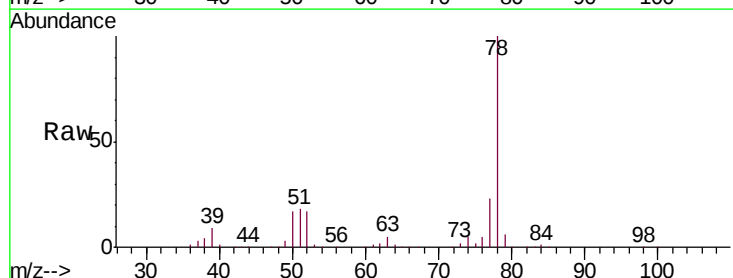
RT: 5.15 min Scan# 1262

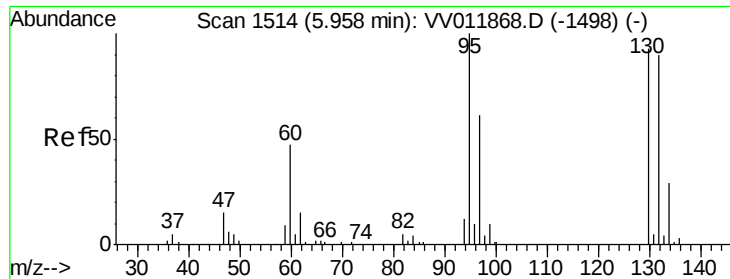
Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Tgt Ion: 78 Resp: 255228





#34

Trichloroethene

Concen: 4.735 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

Tgt Ion: 95 Resp: 68826

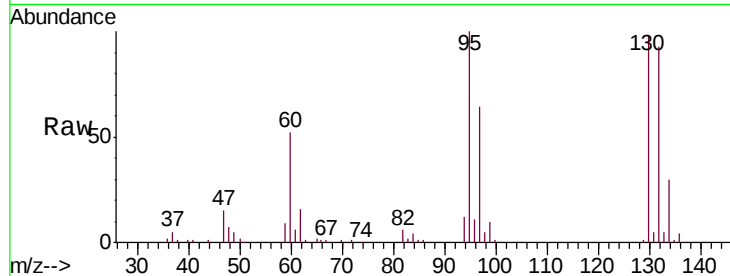
Ion Ratio Lower Upper

95 100

97 64.0 43.2 80.2

132 92.5 68.8 127.8

130 97.9 71.7 133.1

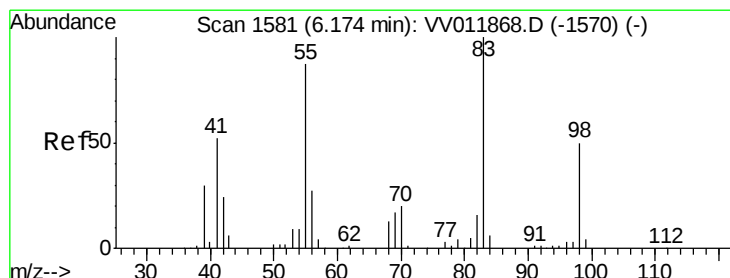
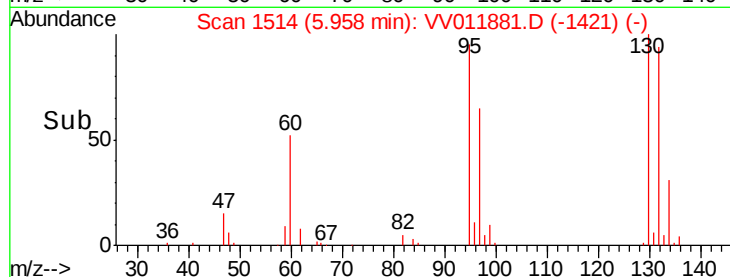
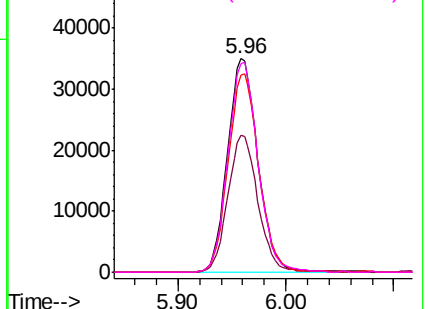


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.871 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

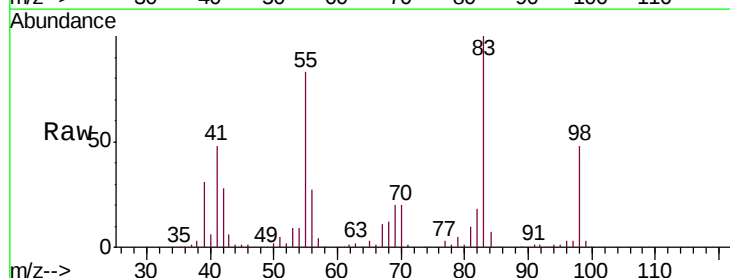
Tgt Ion: 83 Resp: 103954

Ion Ratio Lower Upper

83 100

55 83.0 63.6 95.4

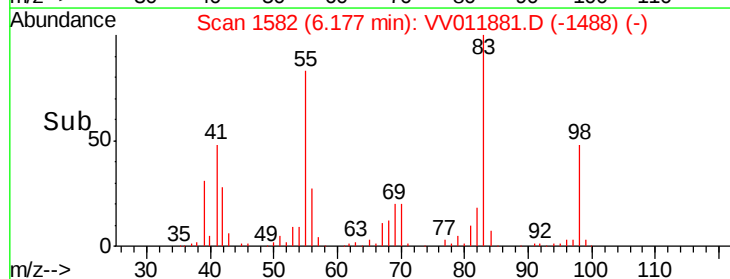
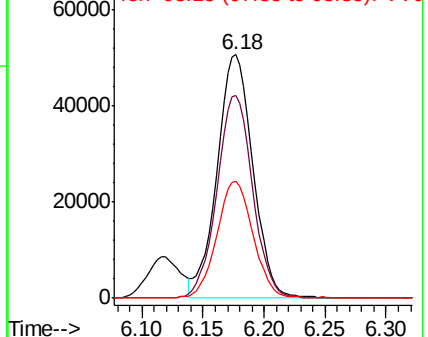
98 48.5 39.1 58.7

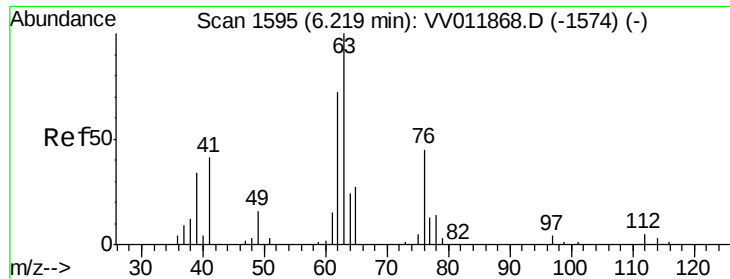


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

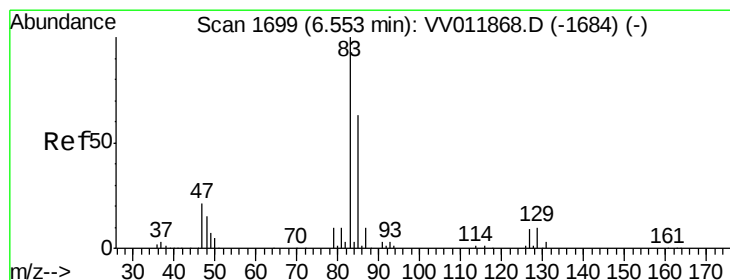
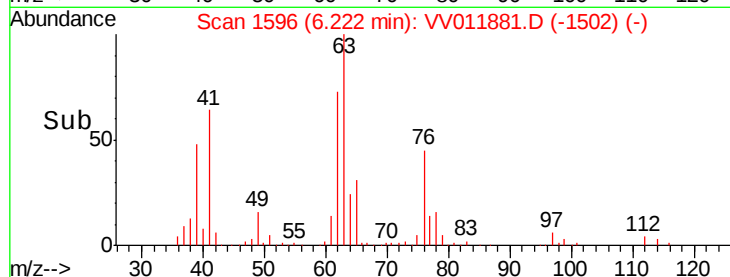
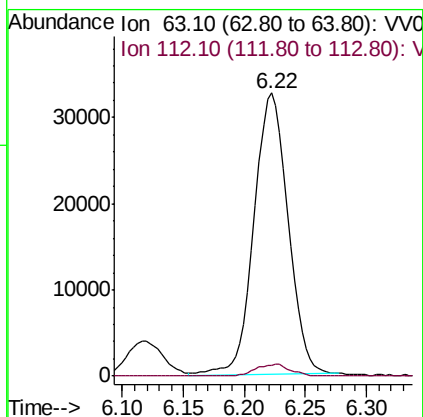
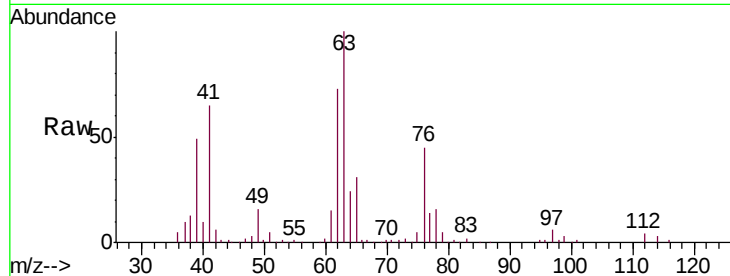




#37
 1,2-Dichloropropane
 Concen: 4.946 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

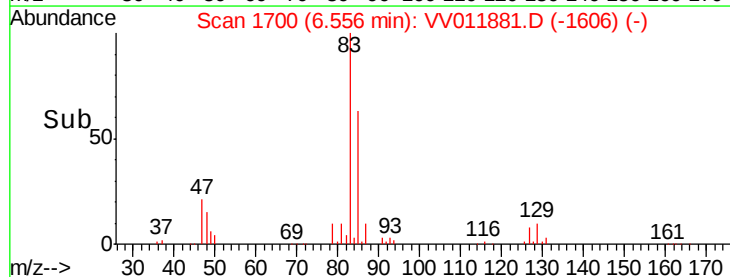
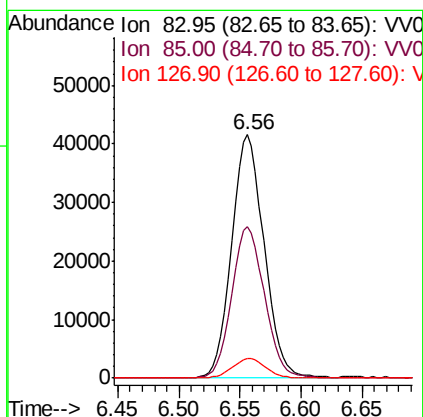
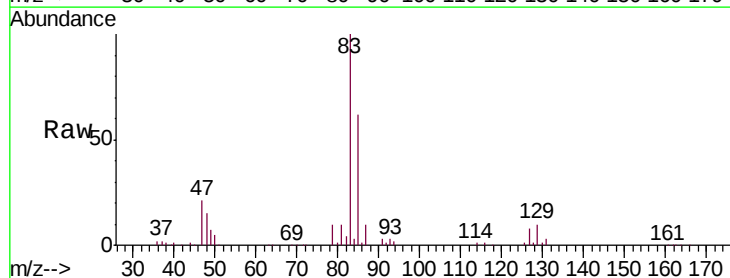
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

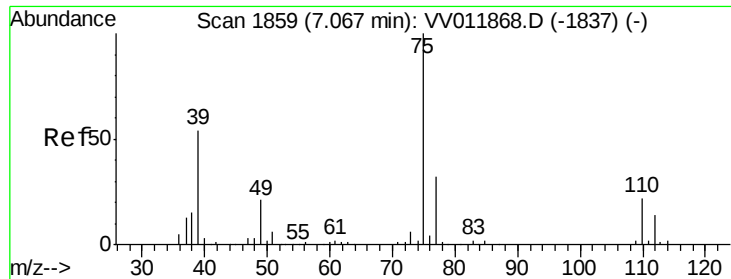
Tgt Ion: 63 Resp: 63083
 Ion Ratio Lower Upper
 63 100
 112 4.3 4.2 6.2



#38
 Bromodichloromethane
 Concen: 4.990 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion: 83 Resp: 77001
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.5 82.7
 127 7.8 7.4 11.0

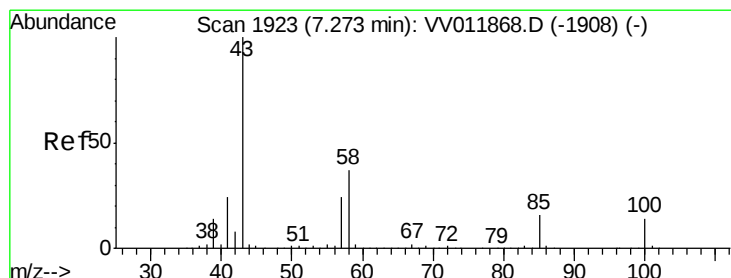
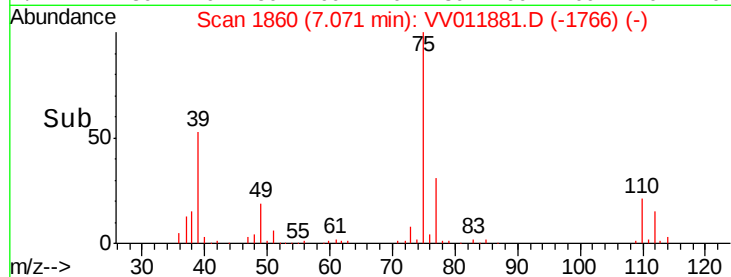
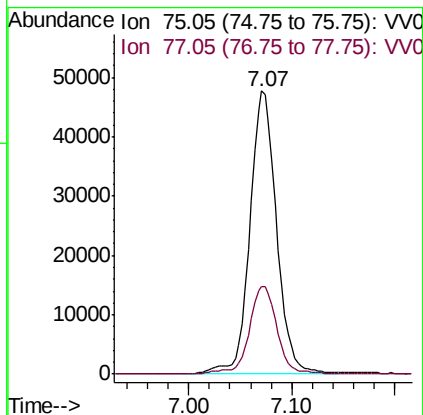
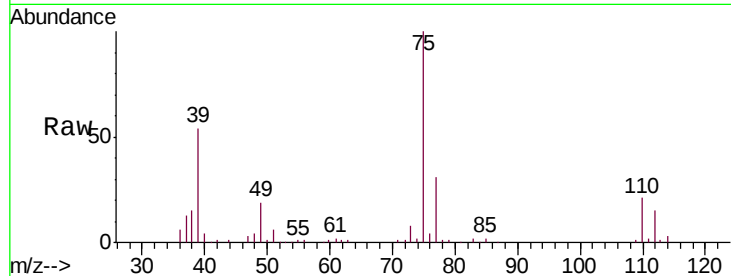




#39
 cis-1,3-Dichloropropene
 Concen: 4.910 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

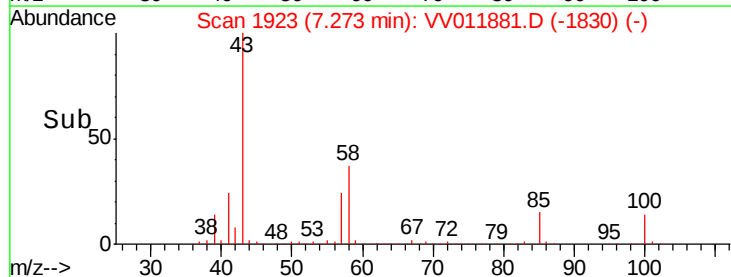
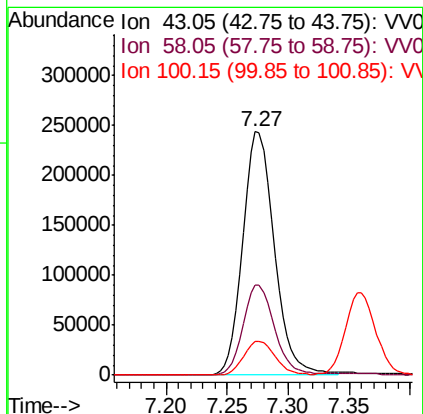
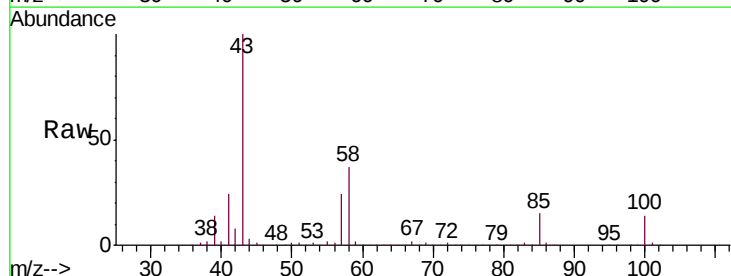
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

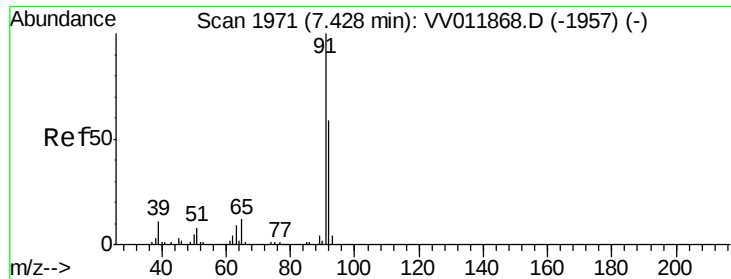
Tgt Ion: 75 Resp: 85809
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 57.548 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion: 43 Resp: 436312
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.1 43.7
 100 14.0 11.2 16.8





#42

Toluene

Concen: 5.067 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

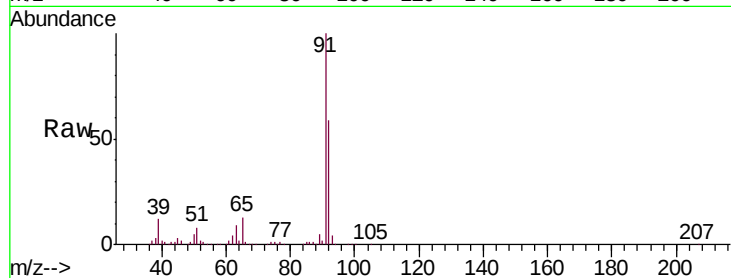
VSTD00559

Tgt Ion: 91 Resp: 271031

Ion Ratio Lower Upper

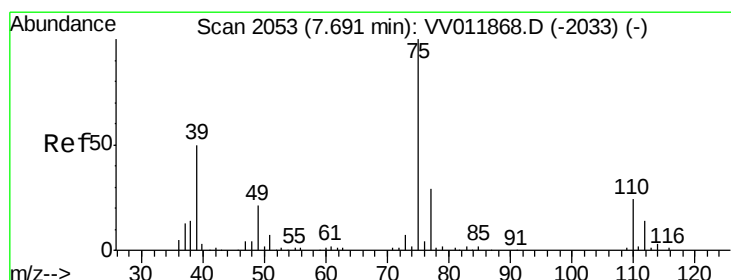
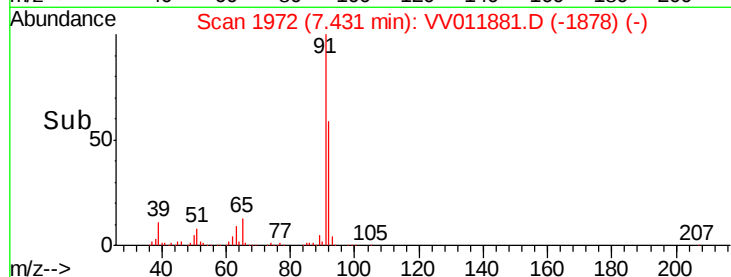
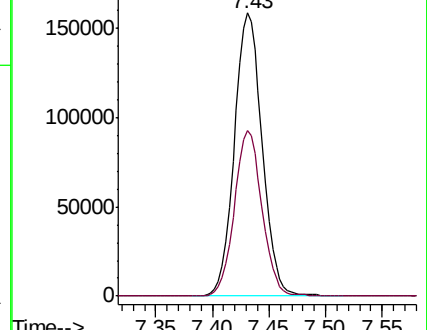
91 100

92 58.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.027 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011881.D

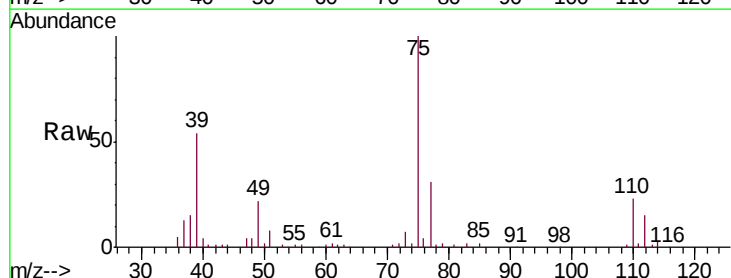
Acq: 12 Jul 2019 21:58

Tgt Ion: 75 Resp: 68075

Ion Ratio Lower Upper

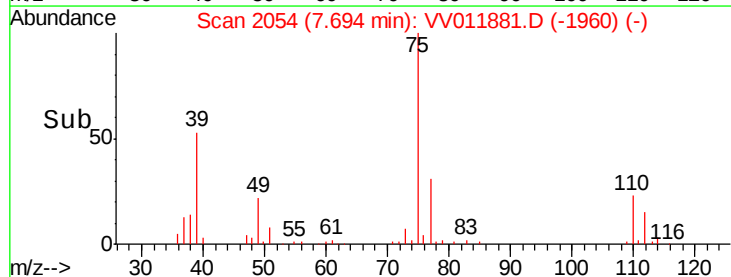
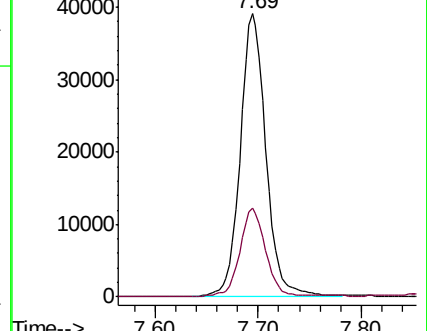
75 100

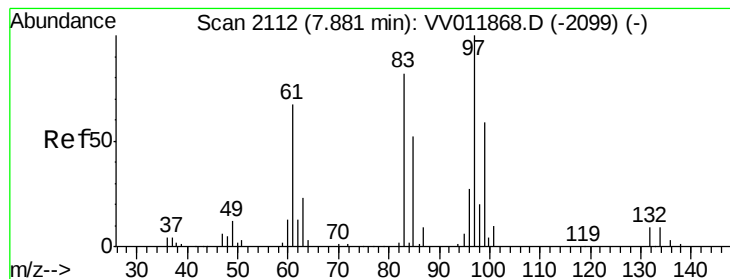
77 31.2 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.111 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

Tgt Ion: 97 Resp: 43642

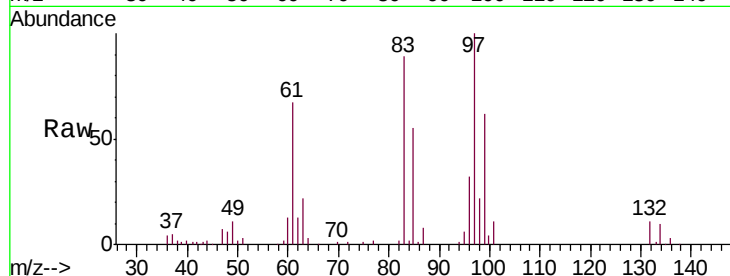
Ion Ratio Lower Upper

97 100

99 61.8 42.2 78.4

83 88.7 58.4 108.6

85 54.9 36.3 67.5

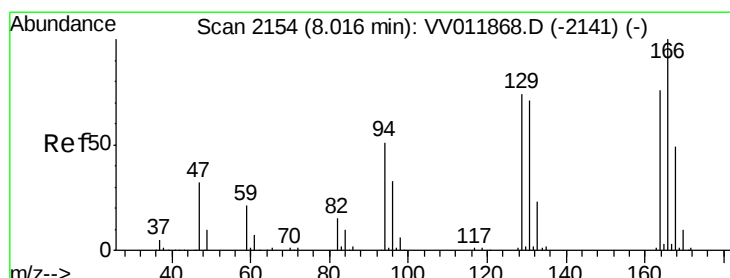
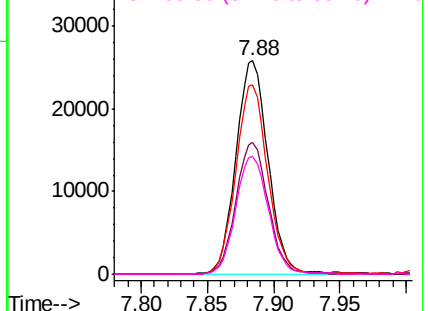
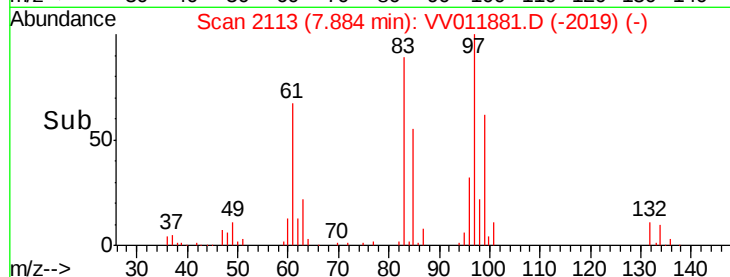


Abundance Ion 96.95 (96.65 to 97.65): VV011881.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV011881.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV011881.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV011881.D (-2019) (-)



#47

Tetrachloroethene

Concen: 4.791 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Tgt Ion: 164 Resp: 51292

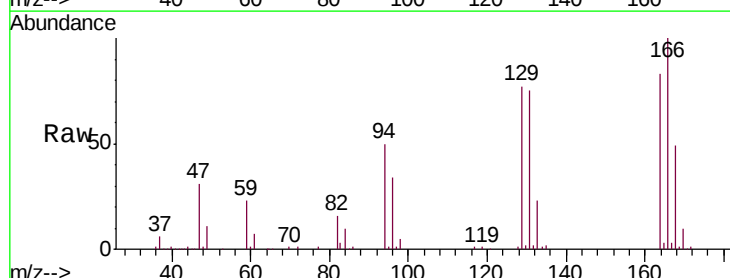
Ion Ratio Lower Upper

164 100

129 92.7 66.1 122.8

131 89.8 64.8 120.4

166 120.3 87.3 162.1

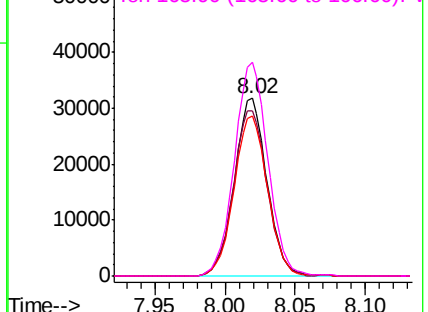
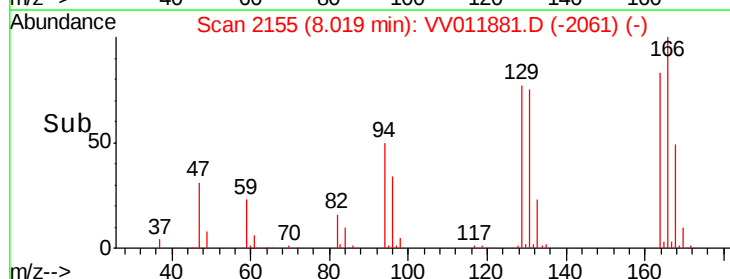


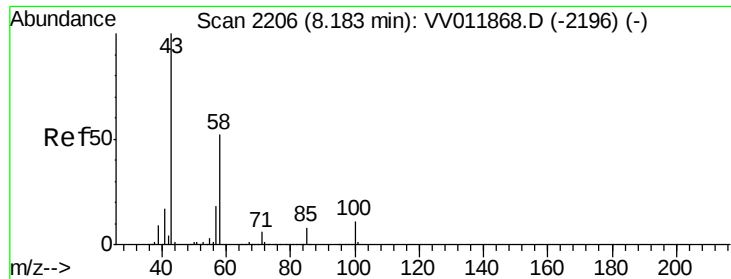
Abundance Ion 163.90 (163.60 to 164.60): VV011881.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011881.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011881.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011881.D (-2061) (-)

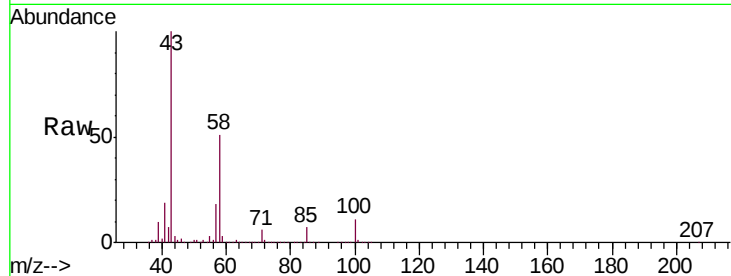




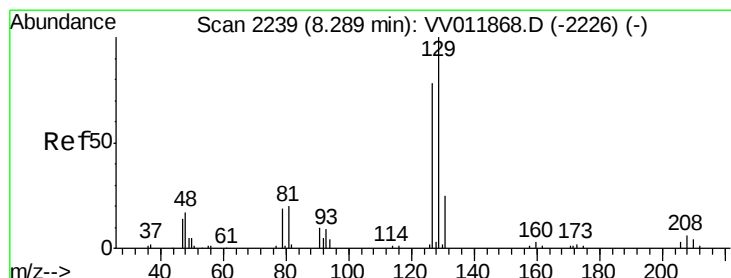
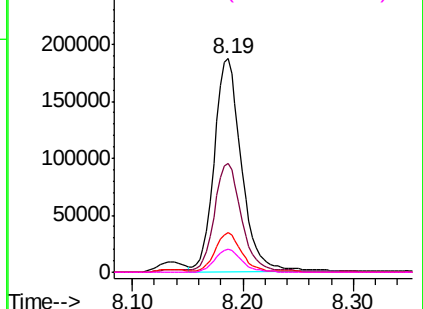
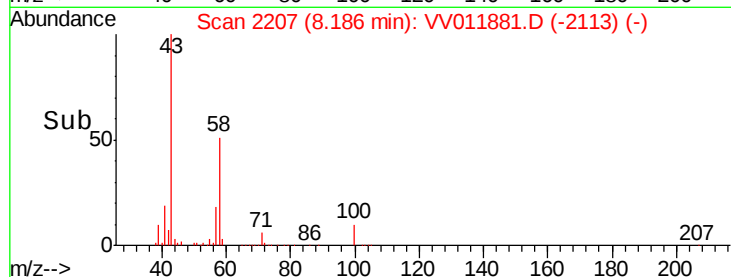
#48
2-Hexanone
Concen: 58.509 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00559

Tgt Ion:	43	Resp:	318651
Ion	Ratio	Lower	Upper
43	100		
58	51.6	40.6	61.0
57	18.1	14.4	21.6
100	10.7	8.8	13.2

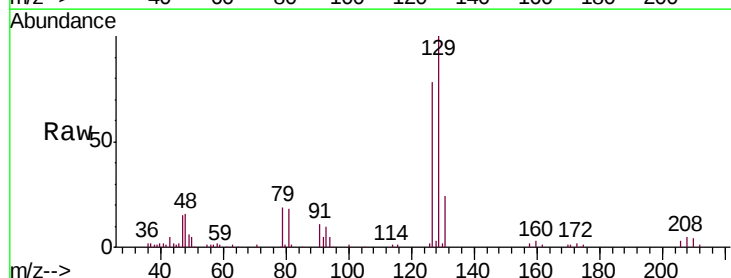


Abundance Ion 43.05 (42.75 to 43.75): VV011881.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV011881.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV011881.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV011881.D (-2113) (-)

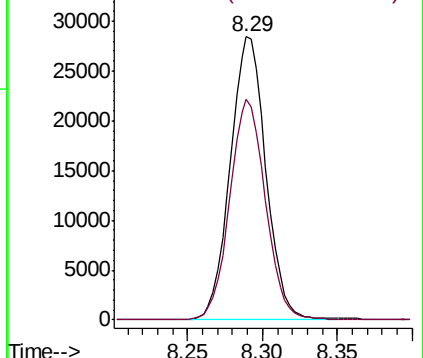
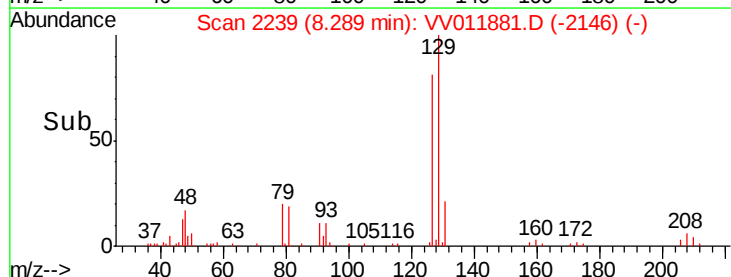


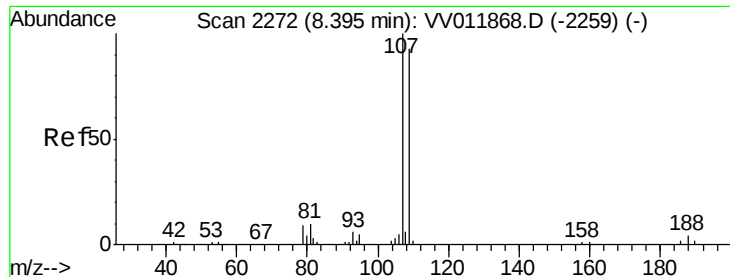
#49
Dibromochloromethane
Concen: 5.023 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011881.D
Acq: 12 Jul 2019 21:58

Tgt Ion:	129	Resp:	47173
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV011881.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011881.D (-2146) (-)

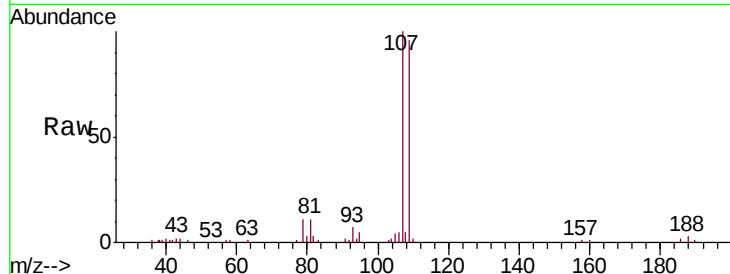




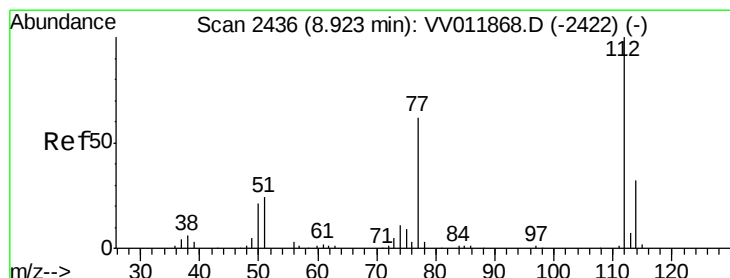
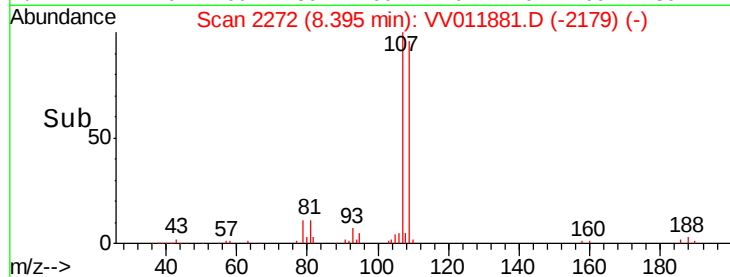
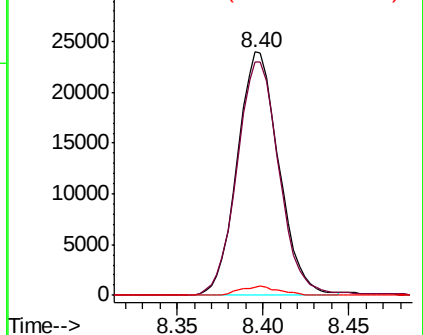
#50
 1,2-Dibromoethane
 Concen: 5.121 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion:107 Resp: 40368
 Ion Ratio Lower Upper
 107 100
 109 96.0 65.7 122.1
 188 3.3 3.0 4.6

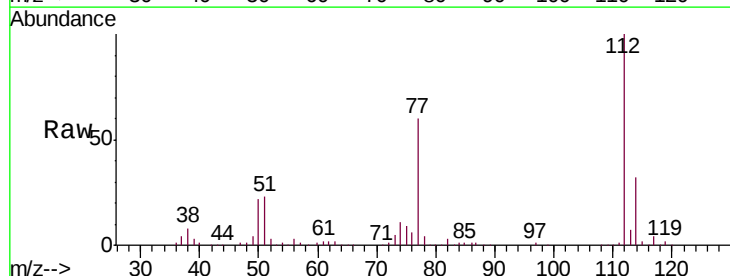


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

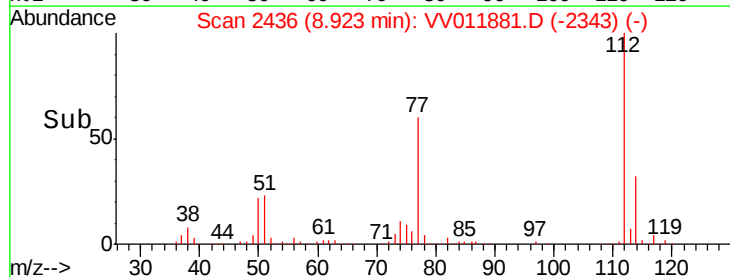
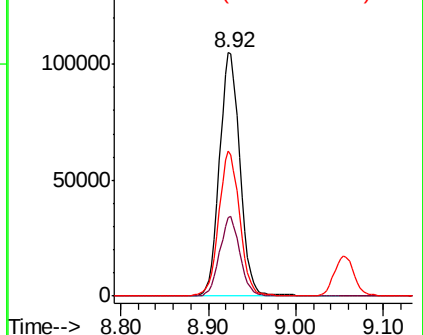


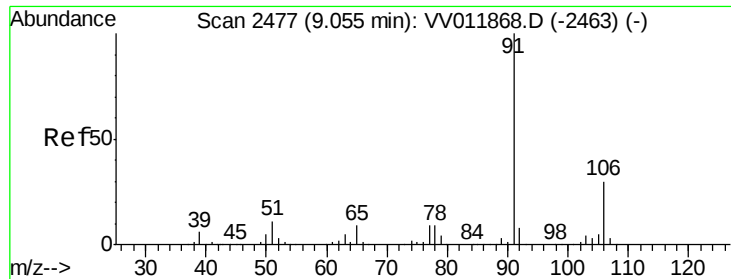
#51
 Chlorobenzene
 Concen: 4.938 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion:112 Resp: 170854
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.1 41.1
 77 59.8 47.4 71.0



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: 5.013 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

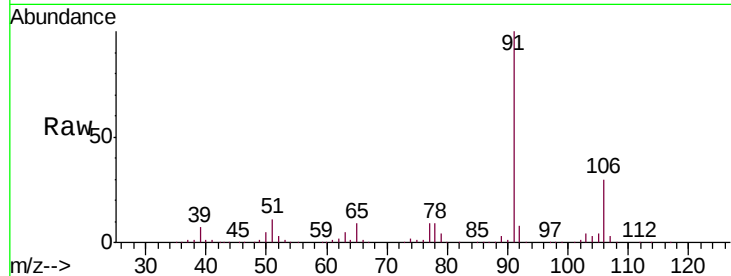
VSTD00559

Tgt Ion: 91 Resp: 296278

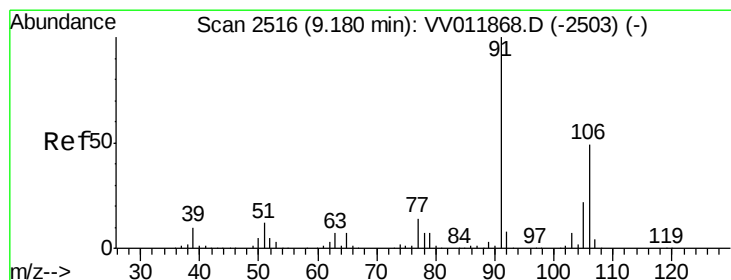
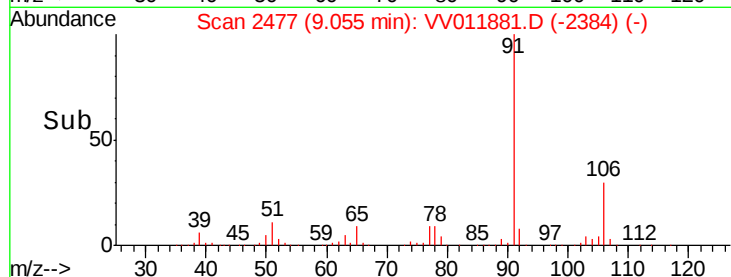
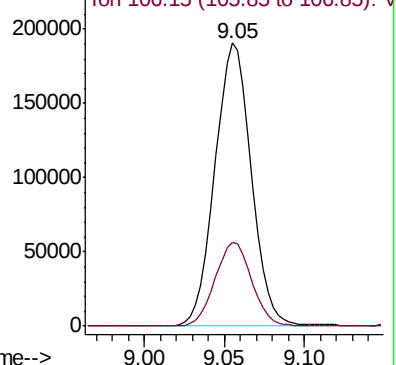
Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011881.D (-2463) (-)



#53

m,p-xylene

Concen: 5.103 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011881.D

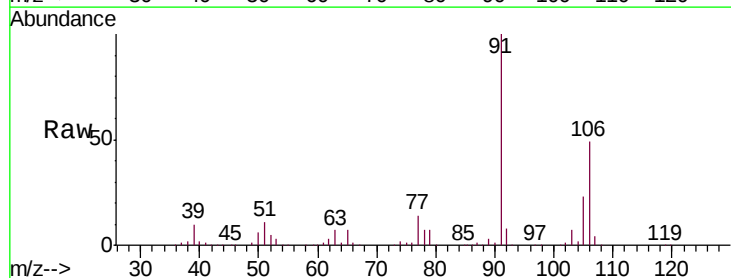
Acq: 12 Jul 2019 21:58

Tgt Ion: 106 Resp: 111307

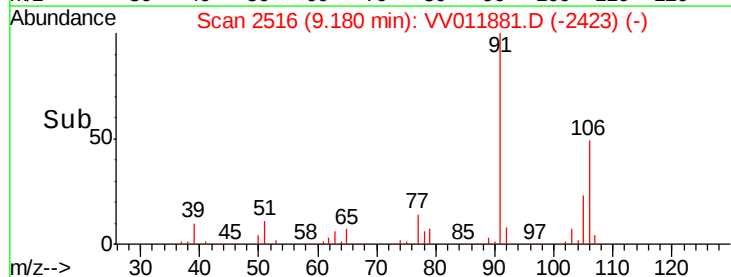
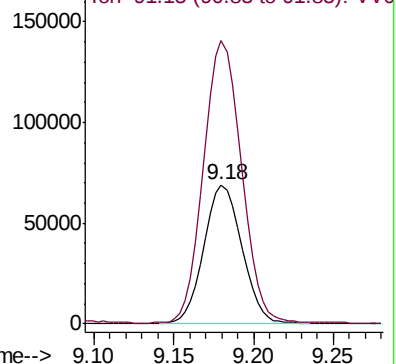
Ion Ratio Lower Upper

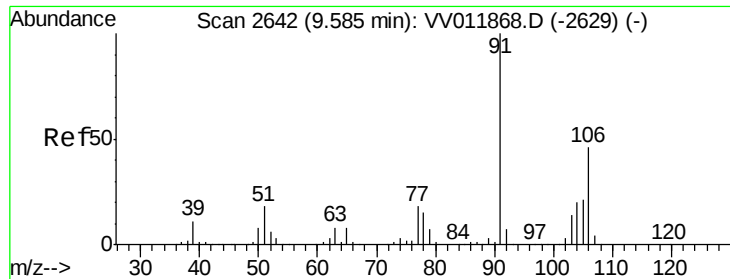
106 100

91 203.6 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011881.D (-2503) (-)





#54

o-xylene

Concen: 5.108 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

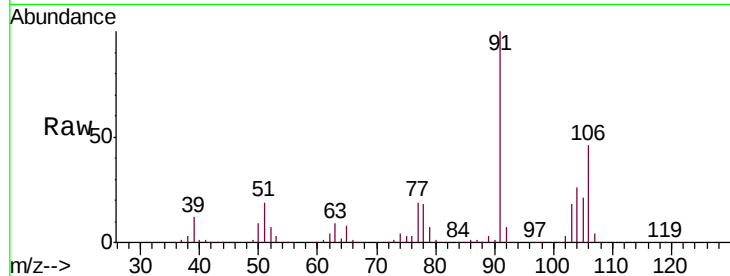
VSTD00559

Tgt Ion:106 Resp: 106223

Ion Ratio Lower Upper

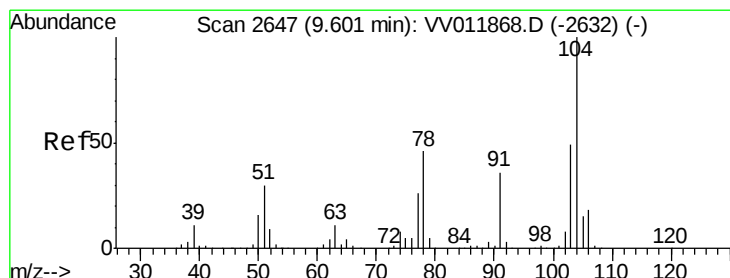
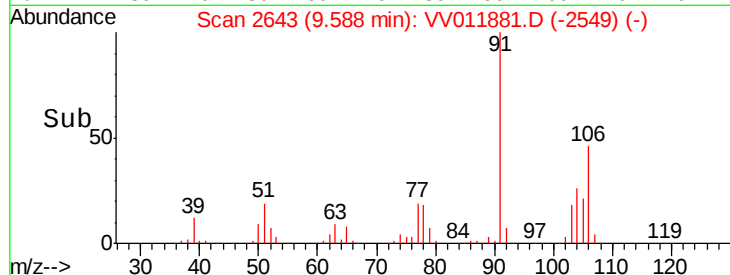
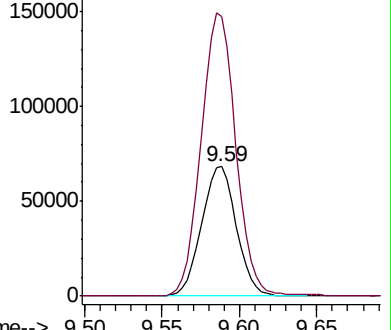
106 100

91 216.3 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.207 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011881.D

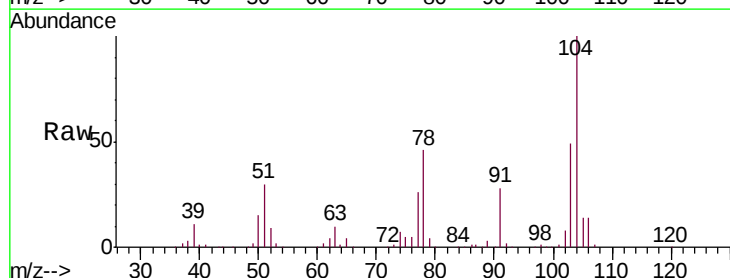
Acq: 12 Jul 2019 21:58

Tgt Ion:104 Resp: 182643

Ion Ratio Lower Upper

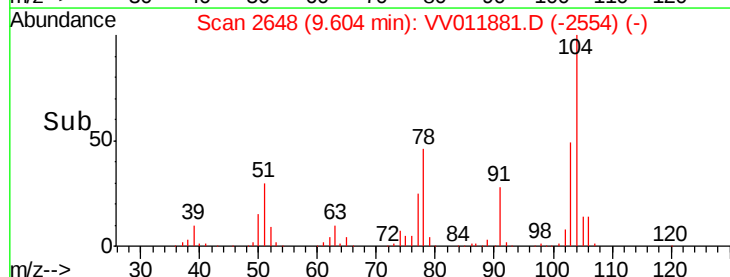
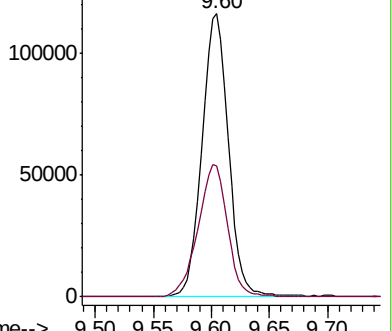
104 100

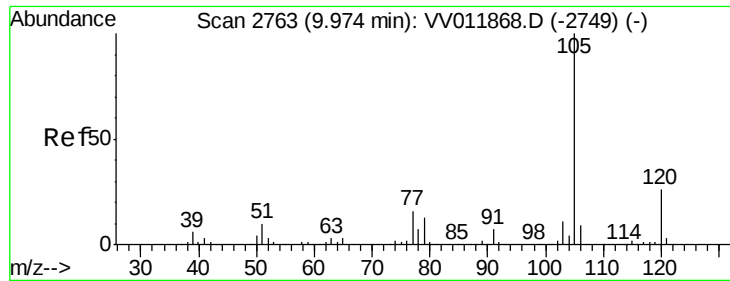
78 46.1 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.007 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

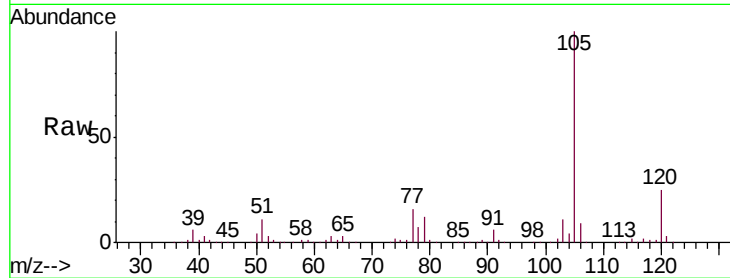
Tgt Ion: 105 Resp: 284121

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

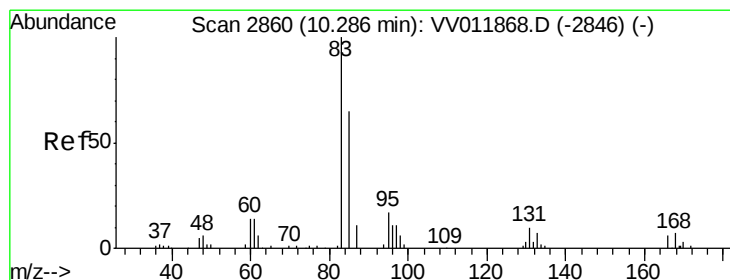
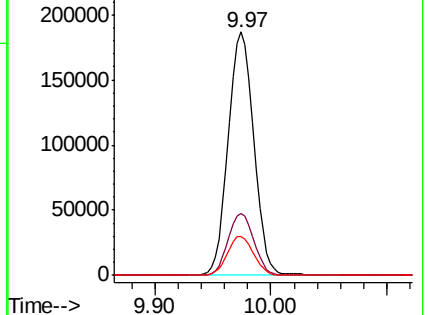
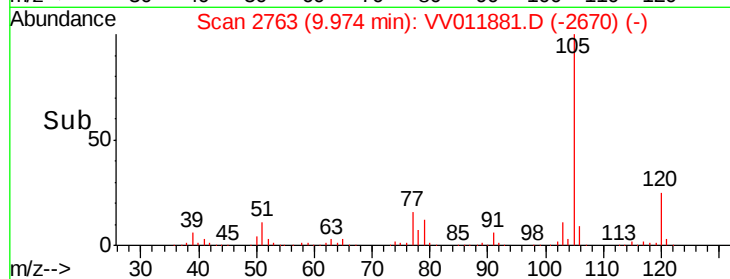
77 16.5 13.2 19.8



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: 5.657 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

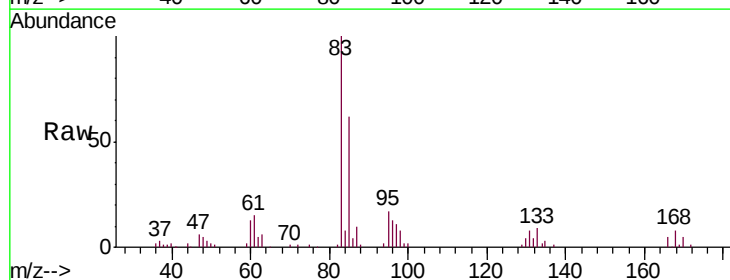
Tgt Ion: 83 Resp: 47613

Ion Ratio Lower Upper

83 100

85 61.9 45.0 83.6

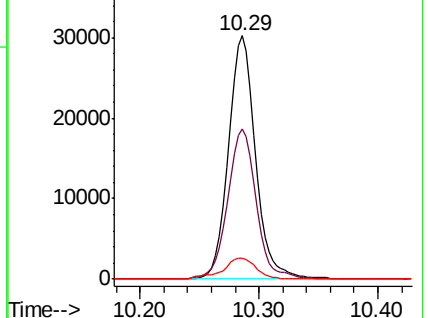
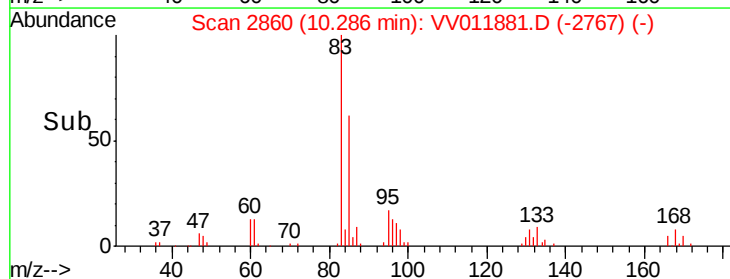
131 8.4 8.3 12.5

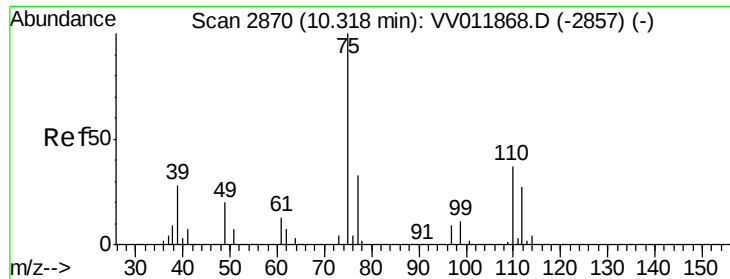


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

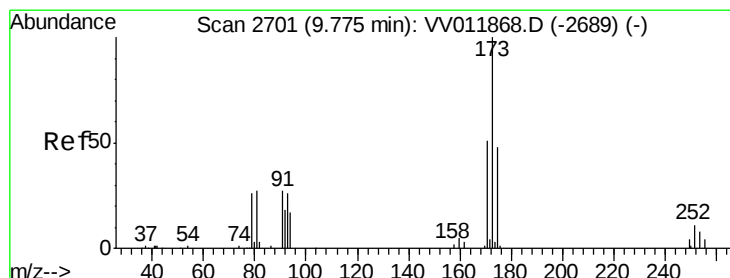
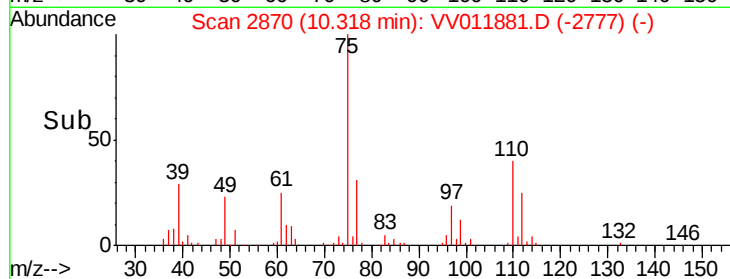
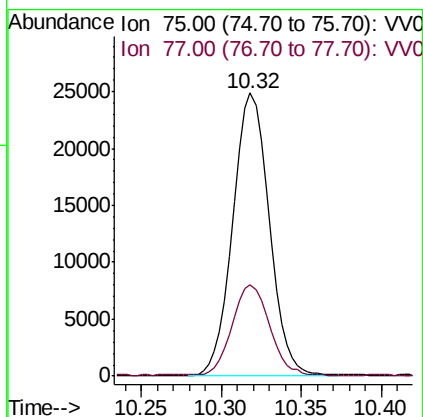
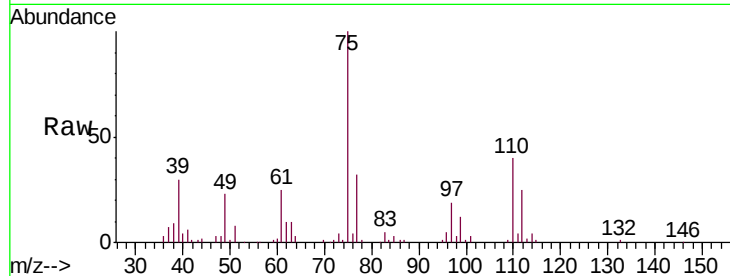




#59
 1,2,3-Trichloropropane
 Concen: 5.112 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

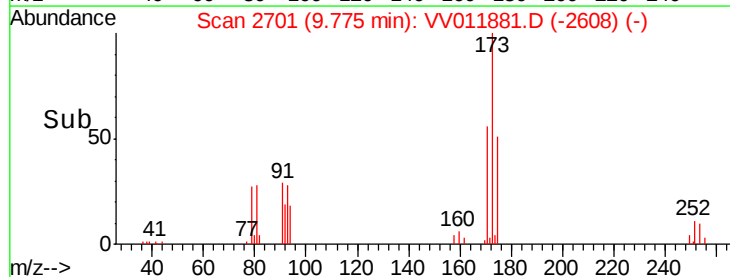
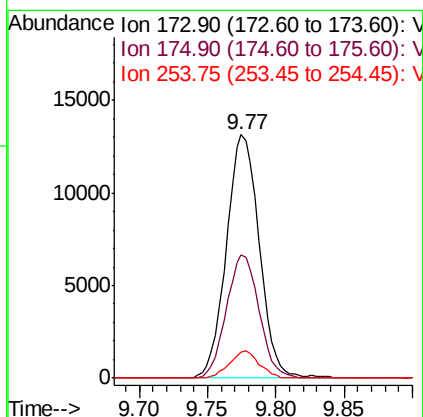
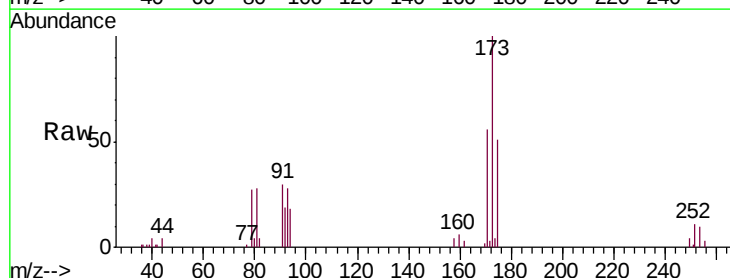
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

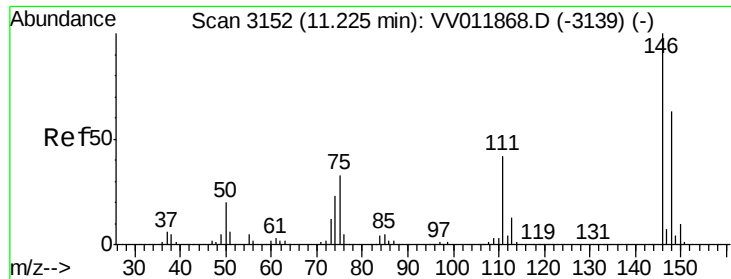
Tgt Ion: 75 Resp: 38768
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.8 38.6



#61
 Bromoform
 Concen: 4.963 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion: 173 Resp: 22063
 Ion Ratio Lower Upper
 173 100
 175 50.1 39.4 59.0
 254 9.9 7.4 11.0

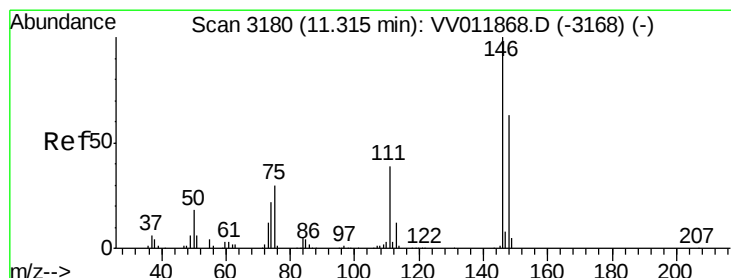
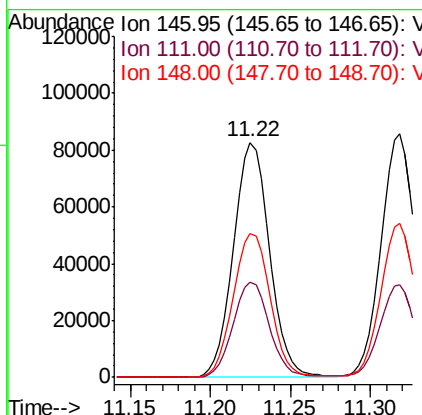
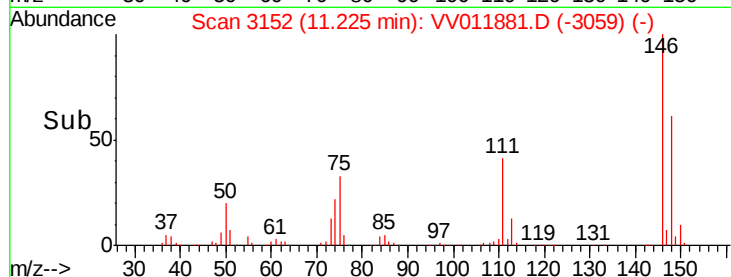
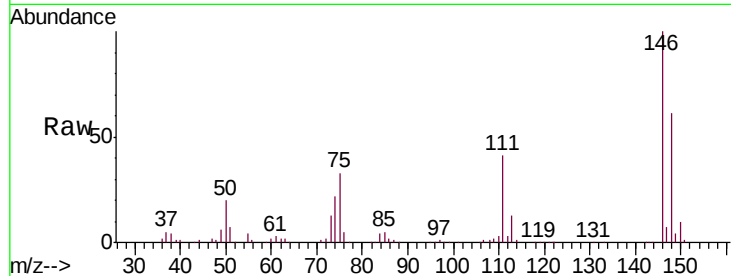




#62
 1,3-Dichlorobenzene
 Concen: 4.917 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

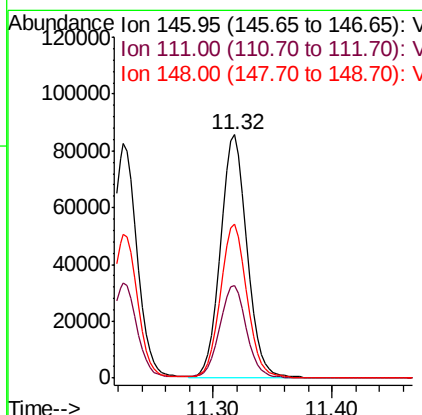
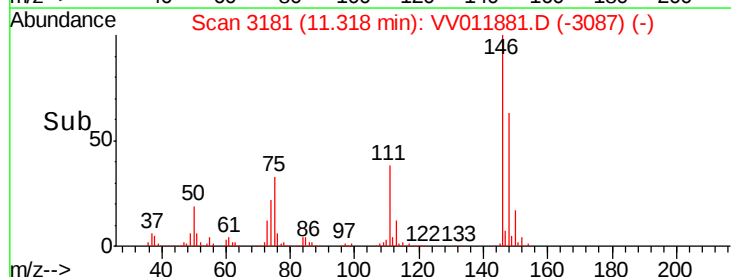
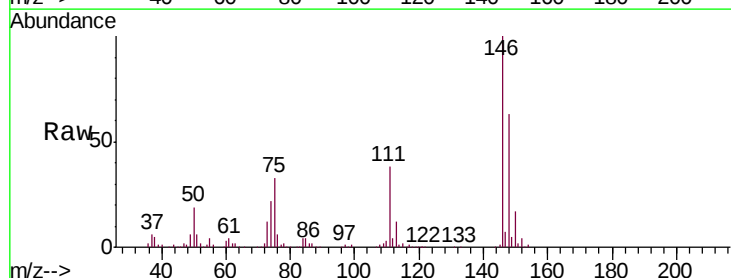
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

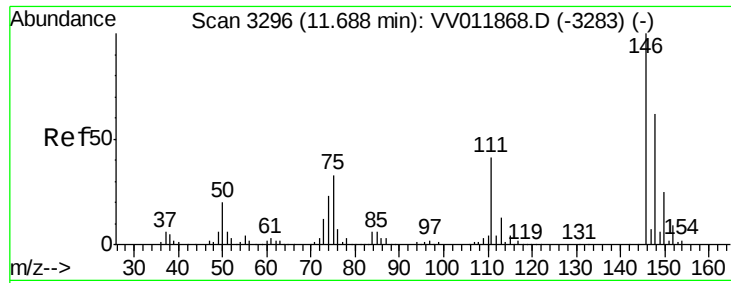
Tgt Ion:146 Resp: 127077
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.8 53.4
 148 61.3 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 4.950 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion:146 Resp: 132468
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.6 49.4
 148 63.1 46.0 85.4





#65

1,2-Dichlorobenzene

Concen: 5.049 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

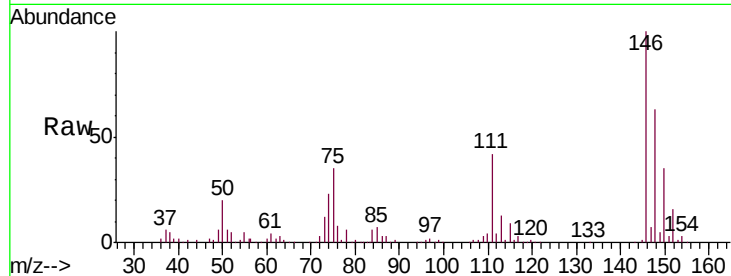
Tgt Ion:146 Resp: 123488

Ion Ratio Lower Upper

146 100

111 42.4 34.7 52.1

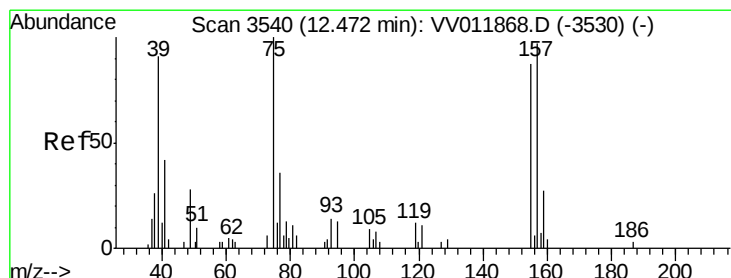
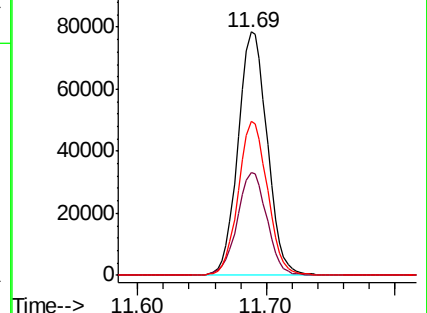
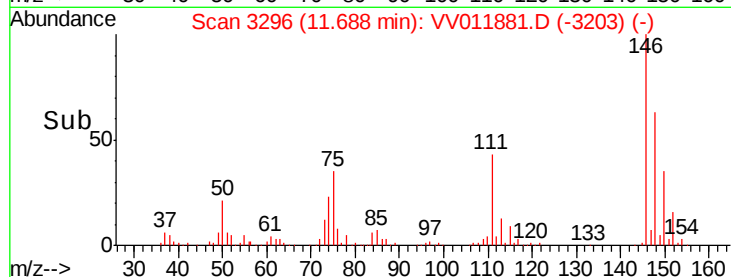
148 63.0 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.874 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

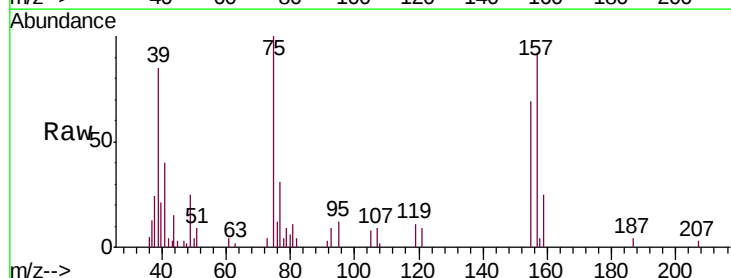
Tgt Ion: 75 Resp: 7328

Ion Ratio Lower Upper

75 100

155 68.7 68.7 103.1

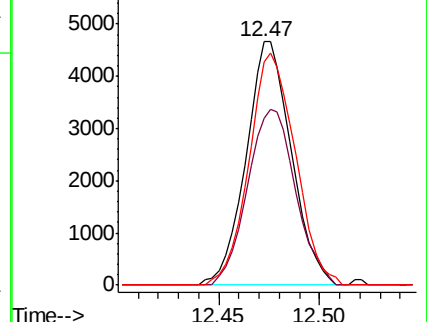
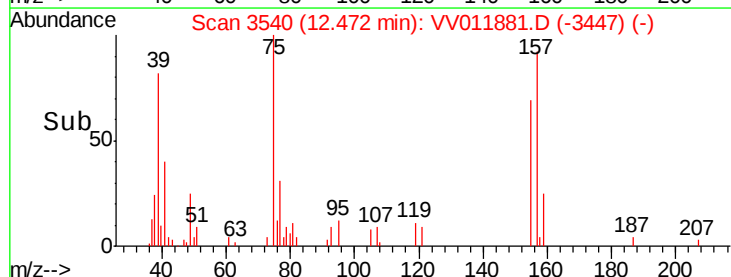
157 91.6 80.2 120.2

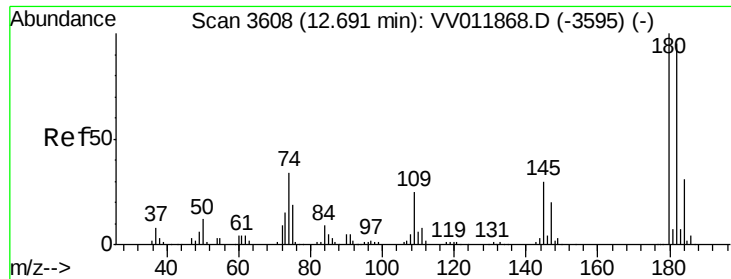


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

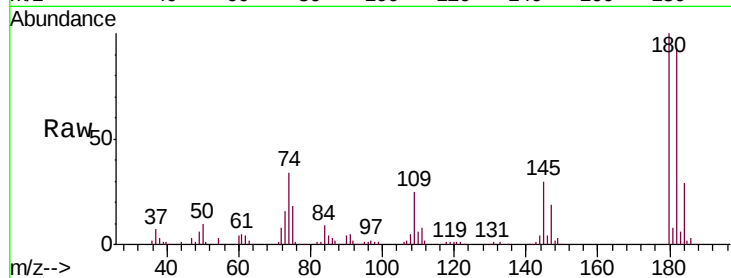




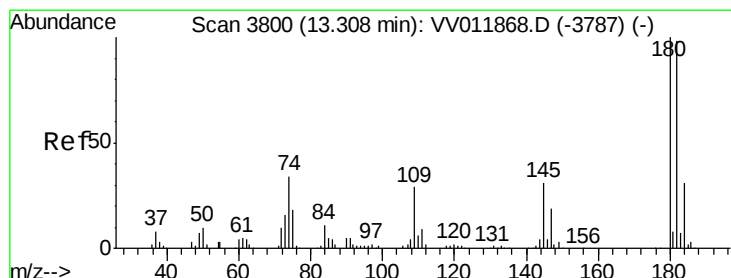
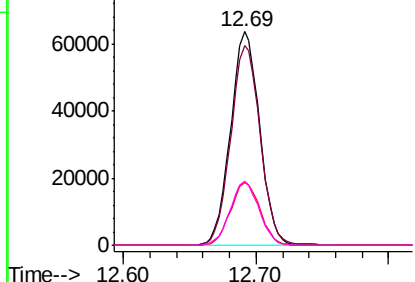
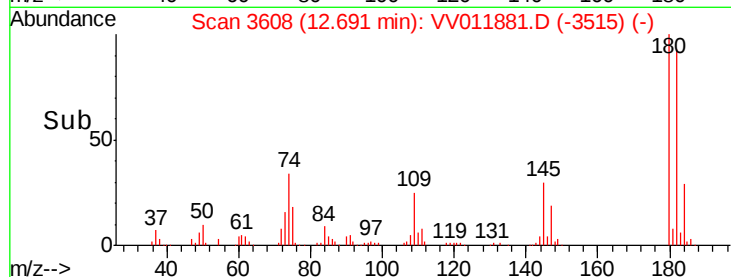
#67
 1,3,5-Trichlorobenzene
 Concen: 4.781 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00559

Tgt Ion:180 Resp: 97143
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.0 112.6
 184 29.8 24.5 36.7
 145 29.7 23.8 35.6

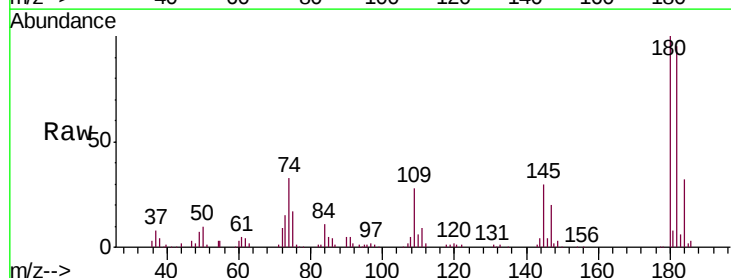


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

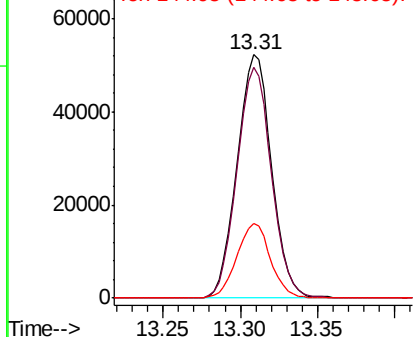
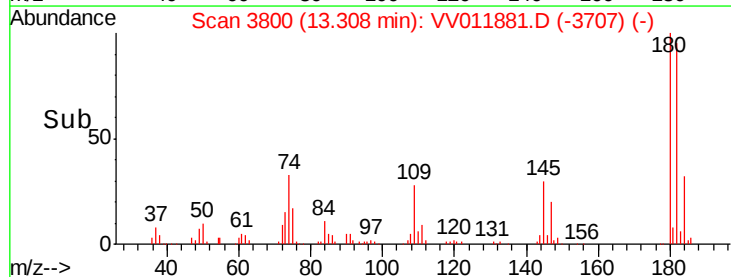


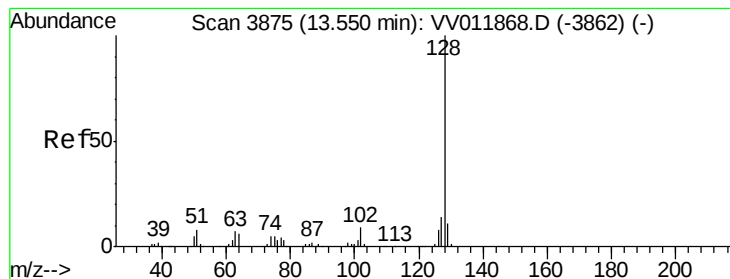
#68
 1,2,4-trichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011881.D
 Acq: 12 Jul 2019 21:58

Tgt Ion:180 Resp: 80920
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 29.9 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.594 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00559

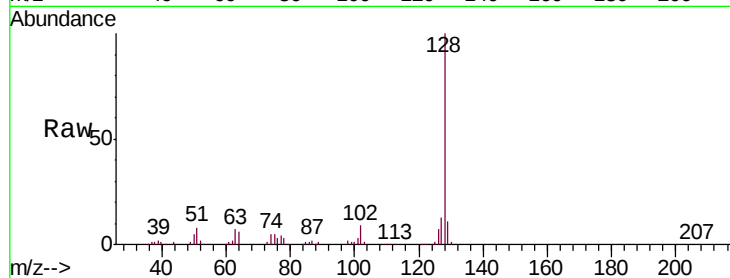
Tgt Ion:128 Resp: 132903

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

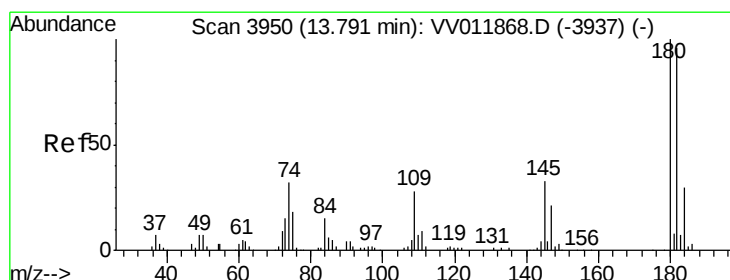
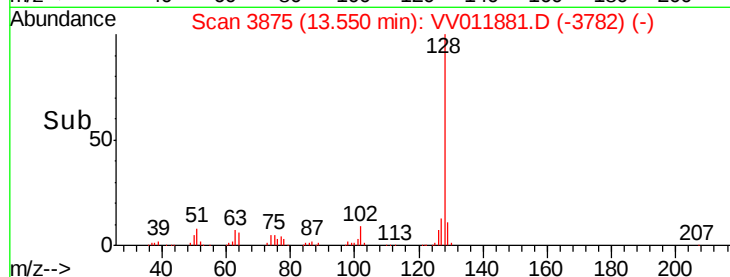
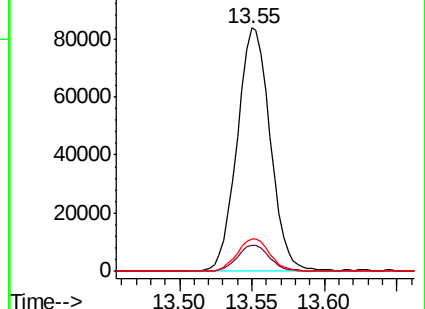
127 13.3 10.5 15.7



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: 5.187 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011881.D

Acq: 12 Jul 2019 21:58

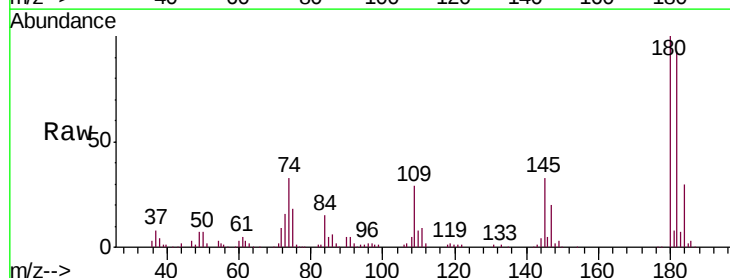
Tgt Ion:180 Resp: 75773

Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.6

145 32.8 25.9 38.9



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

