

Data File : VV011344.D
Acq On : 10 Jun 2019 11:57
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Quant Time: Jun 11 01:31:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 10 06:50:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	154776	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144698	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62929	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	51332	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.57	69	44527	4.57	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.12	63	115792	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	3.95	46	145291	55.03	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.06%
24) Chloroform-d	4.40	84	113384	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	5.08	65	59802	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.09	84	217096	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	65827	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	201993	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.66	79	23057	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.13	63	114025	53.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47931	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	65115	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	72593	4.756	ug/L 100
3) Chloromethane	1.25	50	68504	4.642	ug/L 99
5) Vinyl chloride	1.32	62	72095	5.063	ug/L 95
6) Bromomethane	1.52	94	29992	4.048	ug/L 98
8) Chloroethane	1.58	64	44302	4.868	ug/L 95
9) Trichlorofluoromethane	1.76	101	95184	4.869	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	53916	5.374	ug/L 98
12) 1,1-Dichloroethene	2.13	96	48070	4.929	ug/L 98
13) Acetone	2.20	43	93407	52.763	ug/L 99
14) Carbon disulfide	2.31	76	133032	4.497	ug/L 99
15) Methyl Acetate	2.46	43	24394	5.188	ug/L 99
16) Methylene chloride	2.53	84	50193	4.996	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	129864	4.989	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	53192	4.872	ug/L 97
19) 1,1-Dichloroethane	3.22	63	106790	4.959	ug/L 99
21) 2-Butanone	4.04	43	143859	52.767	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	57796	4.780	ug/L 99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Quant Time: Jun 11 01:31:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 10 06:50:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21402	4.617	ug/L	89
25) Chloroform	4.42	83	107155	4.818	ug/L	99
27) 1,2-Dichloroethane	5.18	62	69441	5.109	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	89070	4.826	ug/L	98
30) Cyclohexane	4.71	56	97959	4.787	ug/L	99
31) Carbon tetrachloride	4.87	117	73839	4.787	ug/L	100
33) Benzene	5.14	78	229138	4.977	ug/L	100
34) Trichloroethene	5.95	95	59185	4.976	ug/L	99
35) Methylcyclohexane	6.17	83	95142	4.837	ug/L	100
37) 1,2-Dichloropropane	6.22	63	56329	4.916	ug/L	99
38) Bromodichloromethane	6.55	83	66818	4.716	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	75677	4.514	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	365115	50.032	ug/L	99
42) Toluene	7.43	91	241057	4.912	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	57868	4.540	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	35928	4.898	ug/L	97
47) Tetrachloroethene	8.02	164	42741	4.972	ug/L	98
48) 2-Hexanone	8.19	43	252559	49.623	ug/L	99
49) Dibromochloromethane	8.29	129	38519	4.623	ug/L	100
50) 1,2-Dibromoethane	8.40	107	33059	4.741	ug/L	99
51) Chlorobenzene	8.92	112	148120	4.949	ug/L	99
52) Ethylbenzene	9.05	91	267517	4.909	ug/L	97
53) m,p-xylene	9.18	106	98123	4.869	ug/L	98
54) o-xylene	9.59	106	97611	4.935	ug/L	98
55) Styrene	9.60	104	156720	4.865	ug/L	97
56) Isopropylbenzene	9.97	105	258006	4.847	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	44681	5.024	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	32150	4.810	ug/L	99
61) Bromoform	9.77	173	17231	4.558	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	102287	4.915	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	101991	5.049	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	98904	5.142	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	5959	4.324	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	73513	4.911	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	56325	4.956	ug/L	96
69) Naphthalene	13.55	128	96532	5.189	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	51969	5.099	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

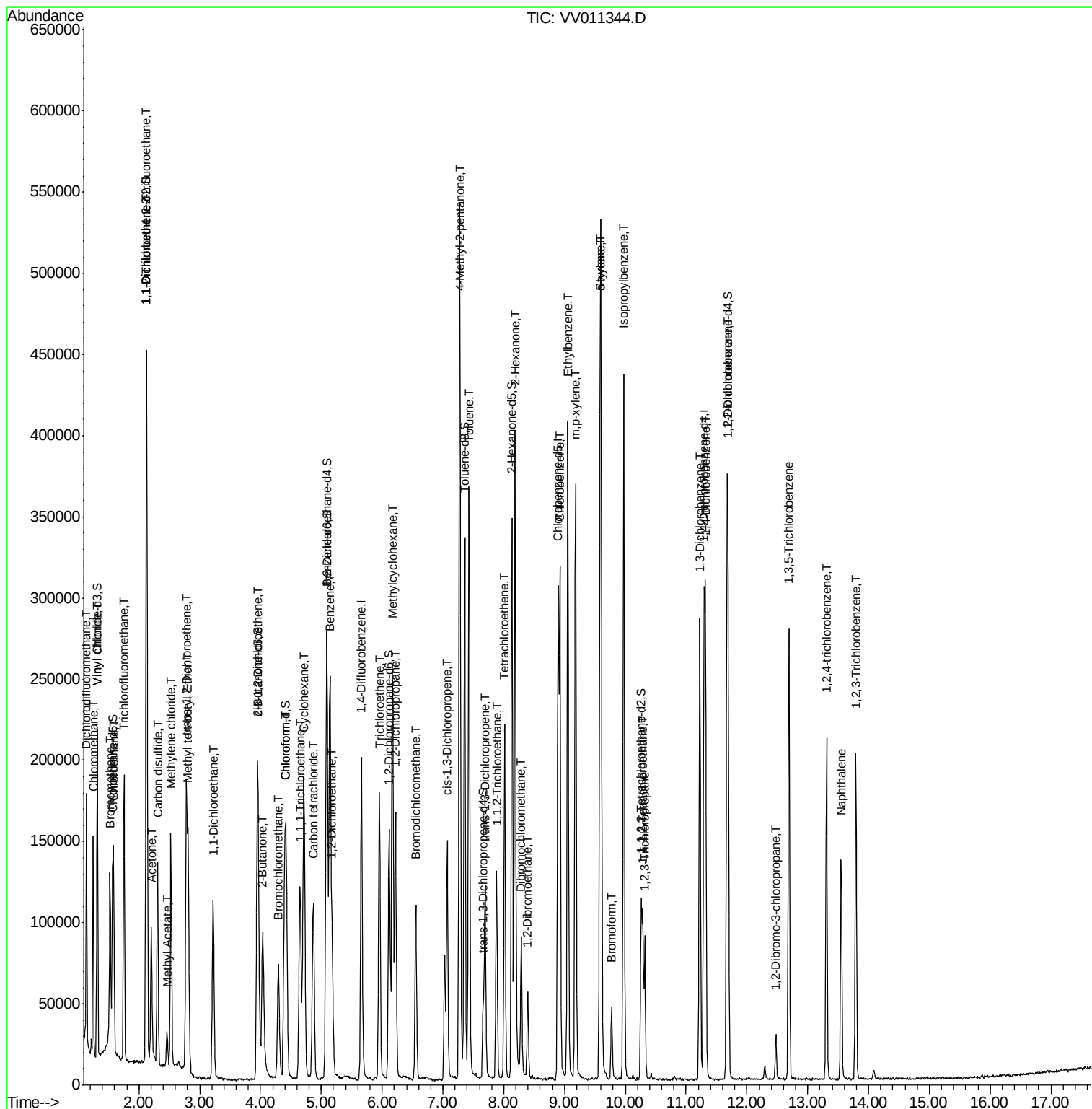
Quant Time: Jun 11 01:31:06 2019

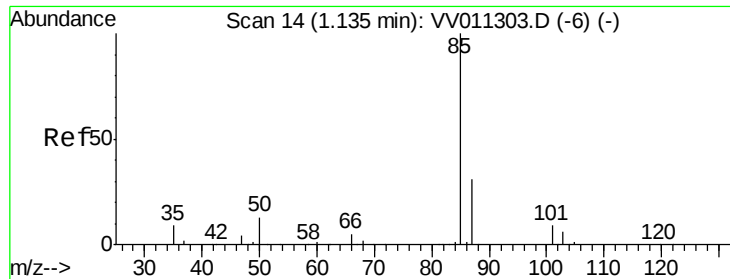
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Jun 10 06:50:13 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.756 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

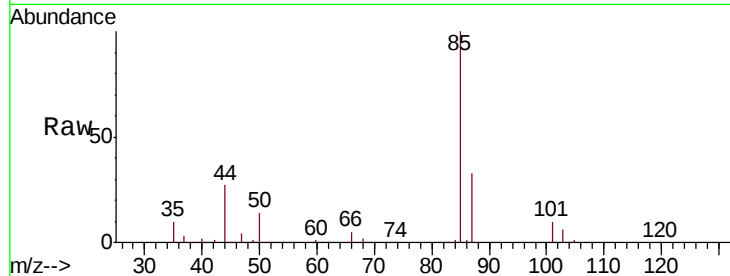
VSTD00543

Tgt Ion: 85 Resp: 72593

Ion Ratio Lower Upper

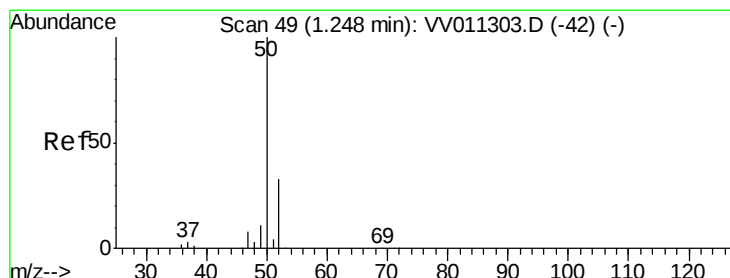
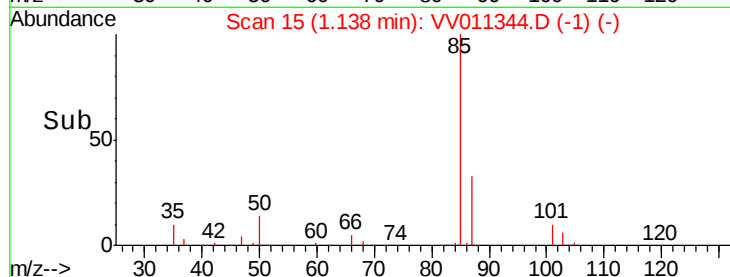
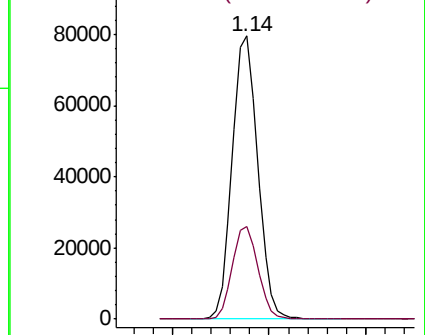
85 100

87 32.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.642 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011344.D

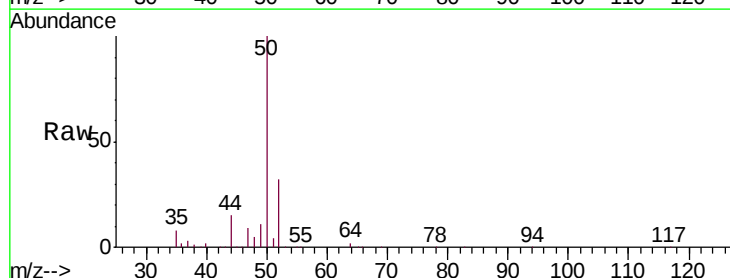
Acq: 10 Jun 2019 11:57

Tgt Ion: 50 Resp: 68504

Ion Ratio Lower Upper

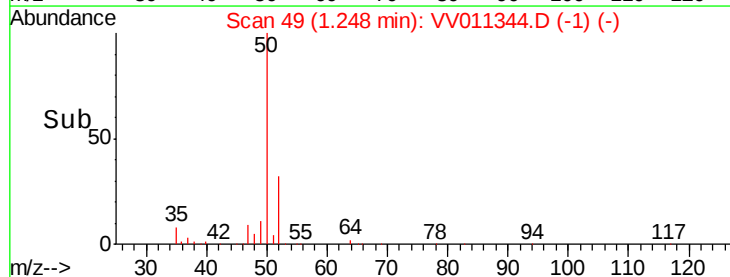
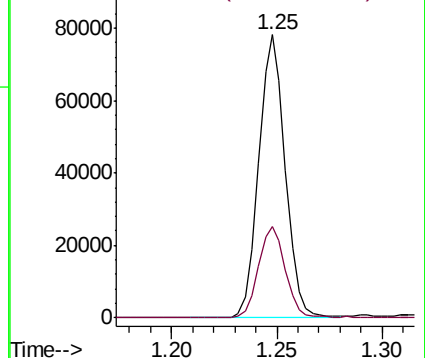
50 100

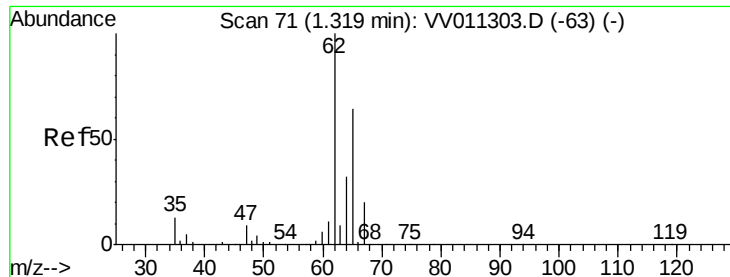
52 32.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.063 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

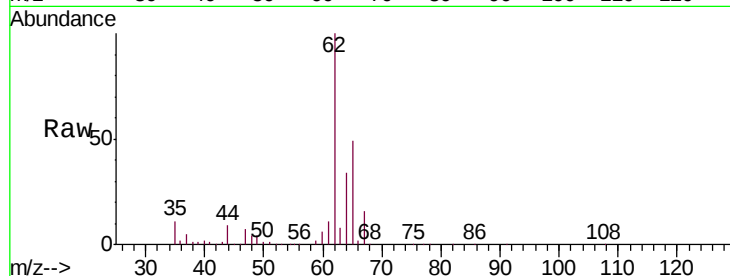
VSTD00543

Tgt Ion: 62 Resp: 72095

Ion Ratio Lower Upper

62 100

64 33.8 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

80000

60000

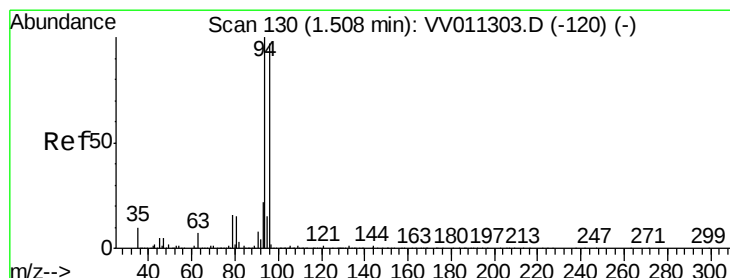
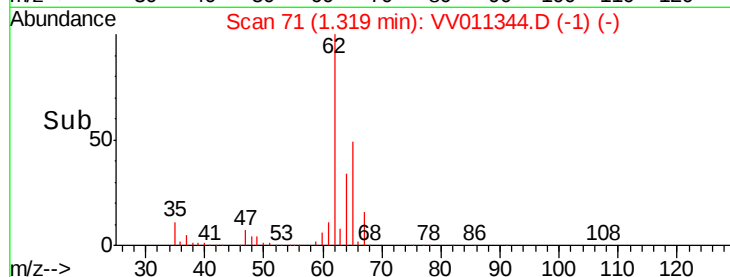
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.048 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.02 min

Lab File: VV011344.D

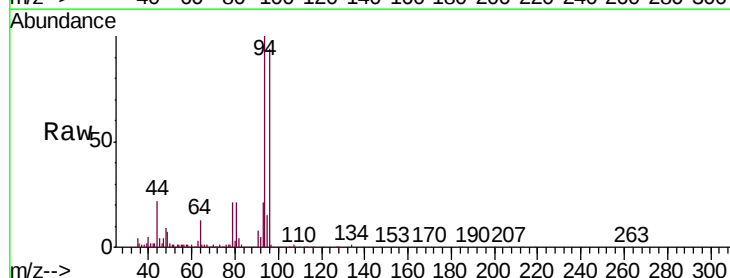
Acq: 10 Jun 2019 11:57

Tgt Ion: 94 Resp: 29992

Ion Ratio Lower Upper

94 100

96 94.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

30000

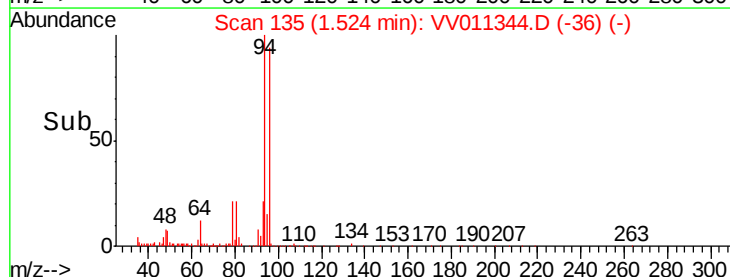
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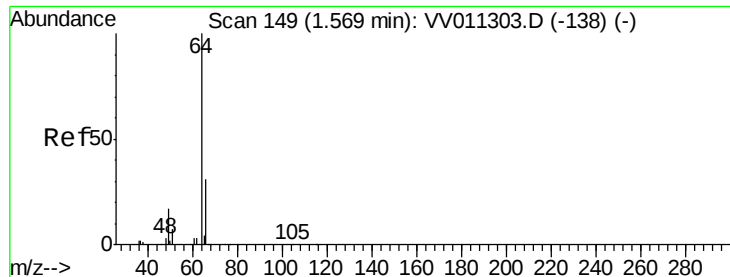
10000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 4.868 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.02 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

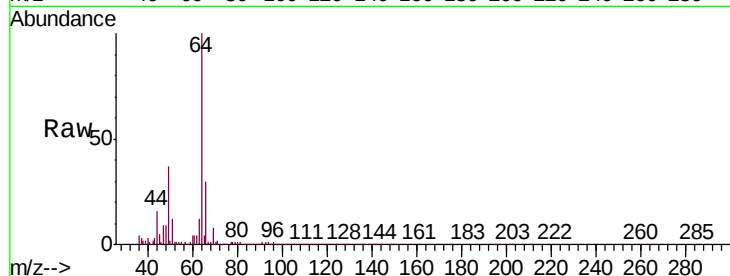
VSTD00543

Tgt Ion: 64 Resp: 44302

Ion Ratio Lower Upper

64 100

66 30.2 19.4 36.0

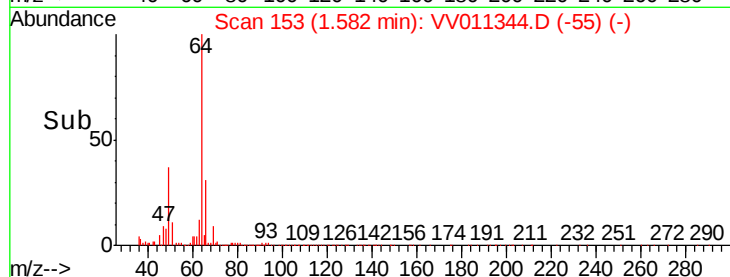


Abundance Ion 64.10 (63.80 to 64.80): VV011303.D (-138) (-)

Ion 66.05 (65.75 to 66.75): VV011303.D (-138) (-)

1.58

Time-->

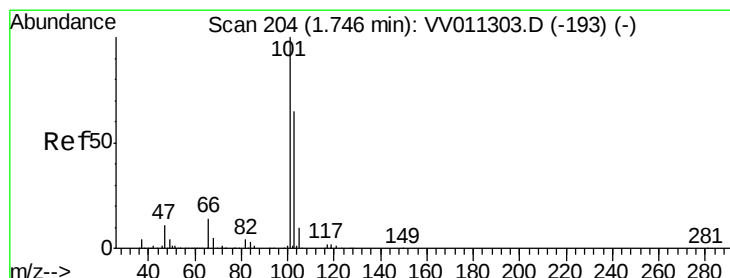


Abundance Ion 64.10 (63.80 to 64.80): VV011344.D (-55) (-)

Ion 66.05 (65.75 to 66.75): VV011344.D (-55) (-)

1.58

Time-->



#9

Trichlorofluoromethane

Concen: 4.869 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.01 min

Lab File: VV011344.D

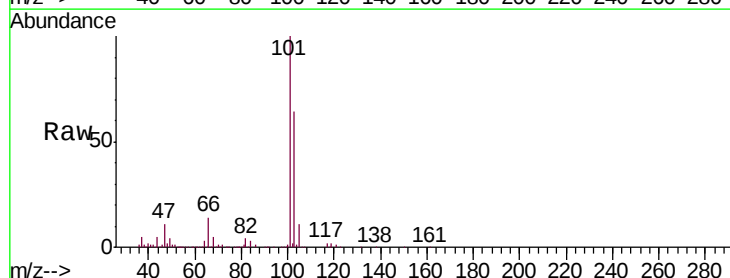
Acq: 10 Jun 2019 11:57

Tgt Ion: 101 Resp: 95184

Ion Ratio Lower Upper

101 100

103 64.4 50.8 76.2

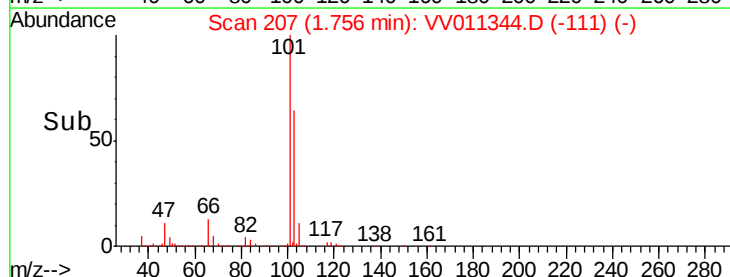


Abundance Ion 101.00 (100.70 to 101.70): VV011303.D (-193) (-)

Ion 103.00 (102.70 to 103.70): VV011303.D (-193) (-)

1.76

Time-->

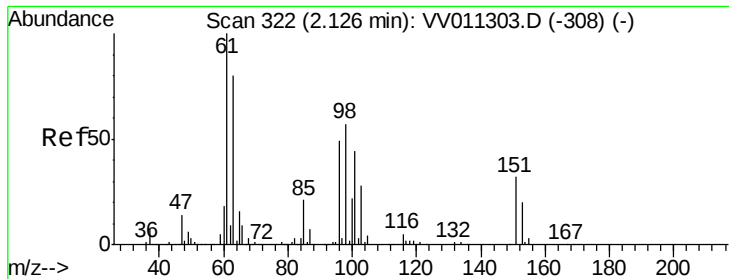


Abundance Ion 101.00 (100.70 to 101.70): VV011344.D (-111) (-)

Ion 103.00 (102.70 to 103.70): VV011344.D (-111) (-)

1.76

Time-->



#10

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

Concen: 5.374 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.01 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

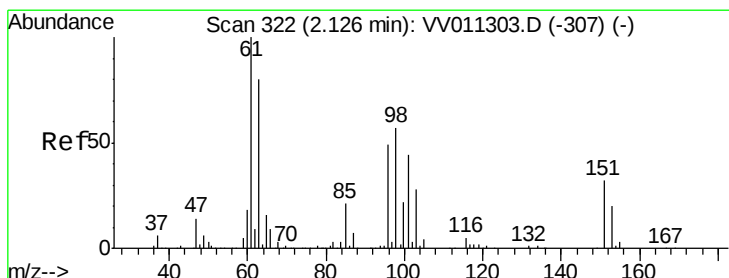
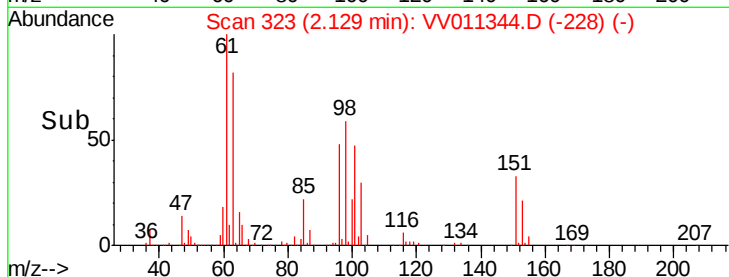
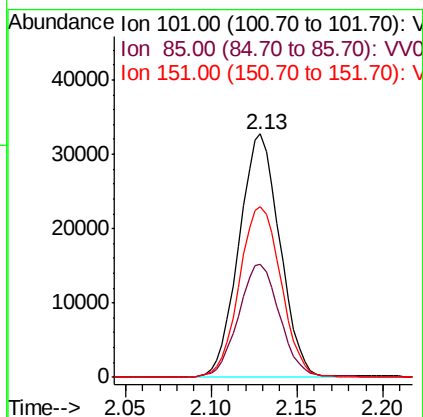
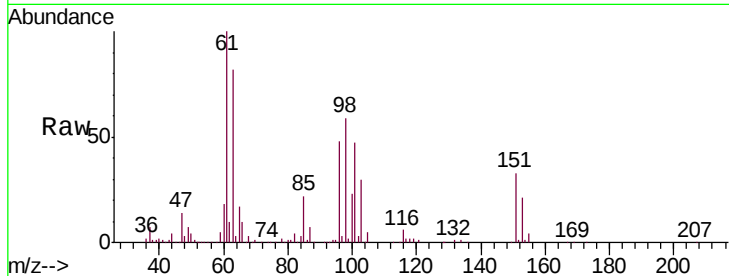
Tgt Ion: 101 Resp: 53916

Ion Ratio Lower Upper

101 100

85 47.3 35.5 53.3

151 71.6 56.9 85.3



#12

1,1-Dichloroethene

Concen: 4.929 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

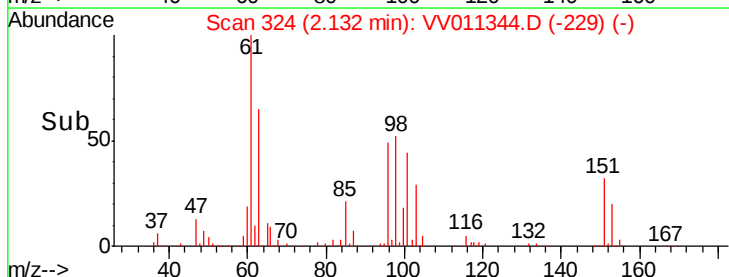
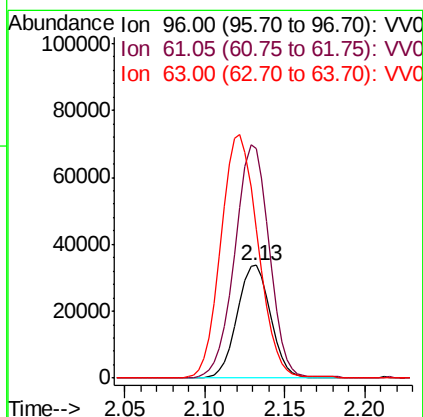
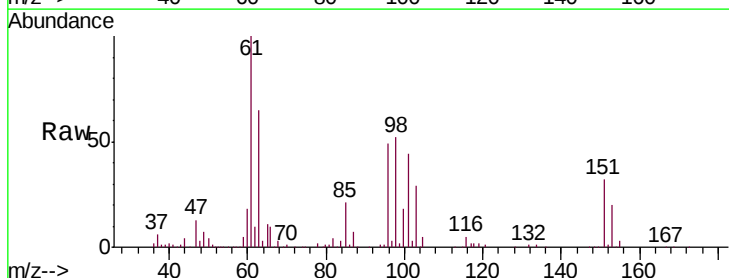
Tgt Ion: 96 Resp: 48070

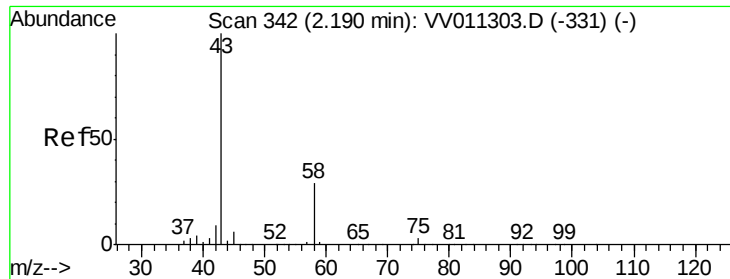
Ion Ratio Lower Upper

96 100

61 203.9 139.8 259.6

63 132.5 94.3 175.1





#13

Acetone

Concen: 52.763 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

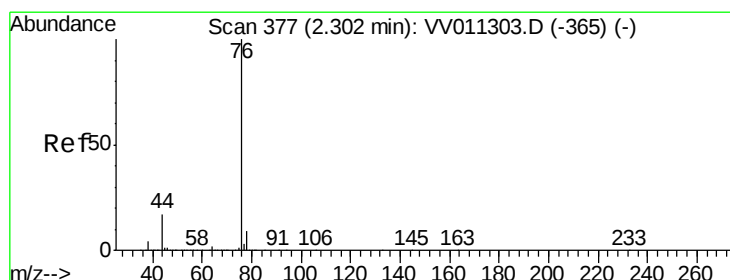
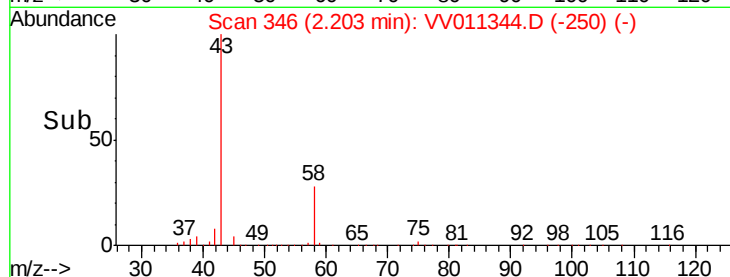
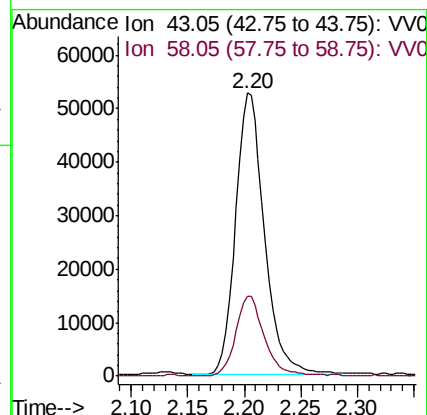
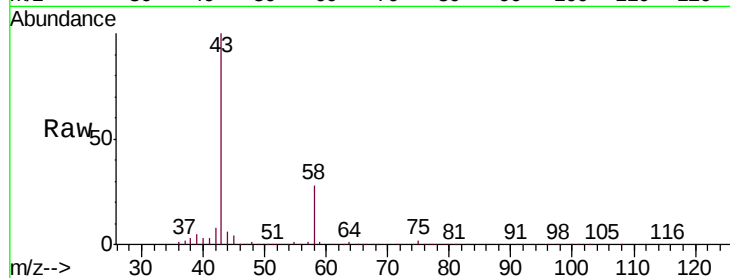
VSTD00543

Tgt Ion: 43 Resp: 93407

Ion Ratio Lower Upper

43 100

58 28.4 0.0 55.2



#14

Carbon disulfide

Concen: 4.497 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV011344.D

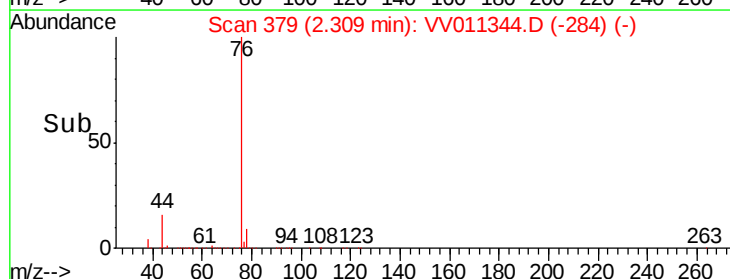
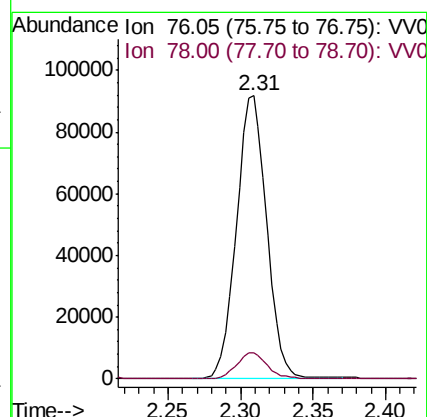
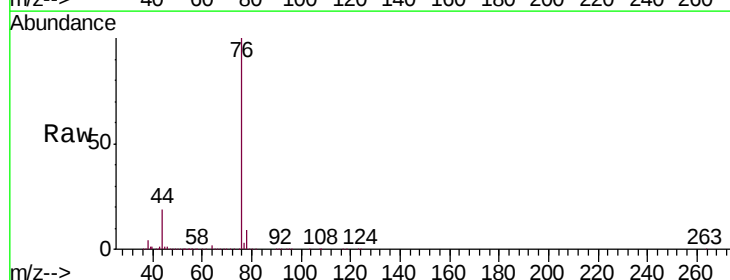
Acq: 10 Jun 2019 11:57

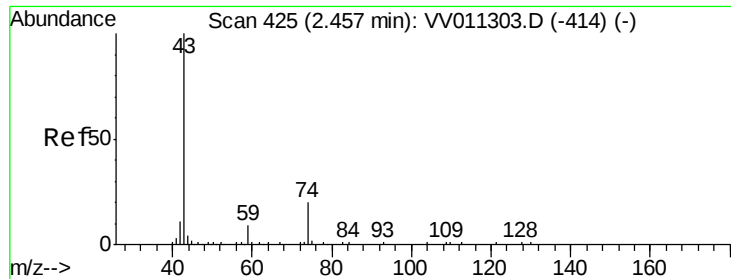
Tgt Ion: 76 Resp: 133032

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

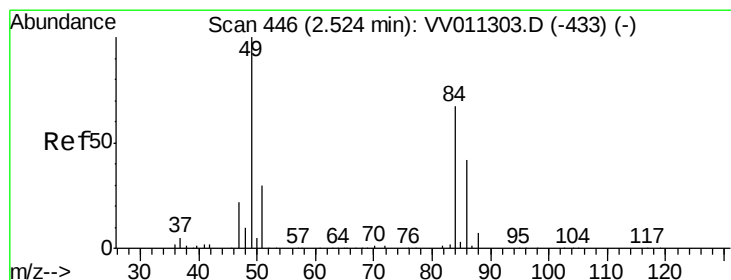
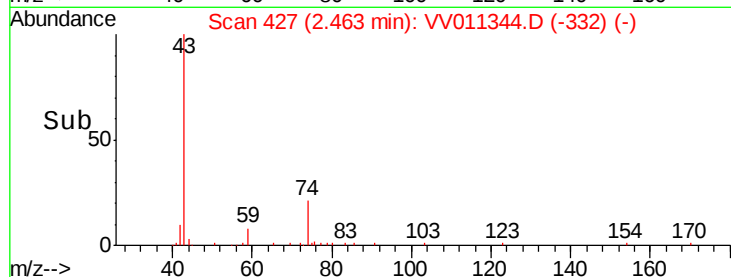
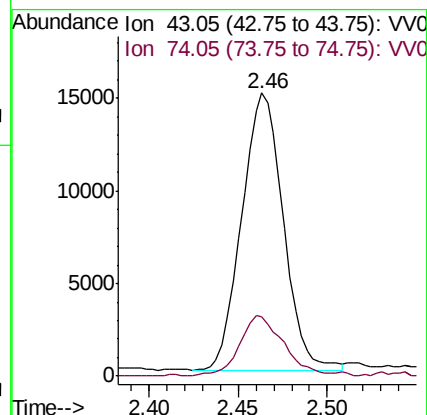
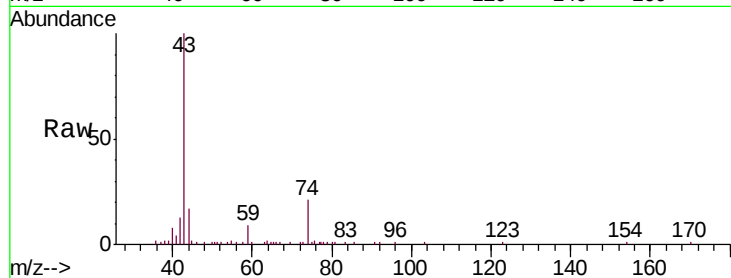




#15
Methyl Acetate
Concen: 5.188 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

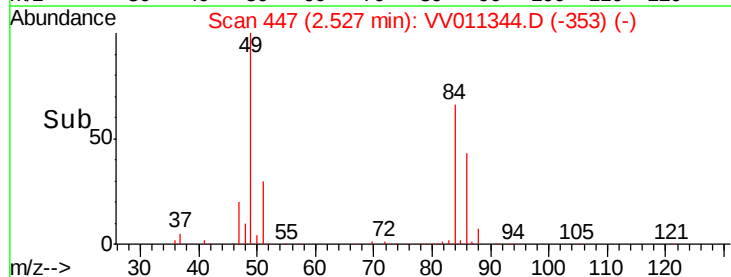
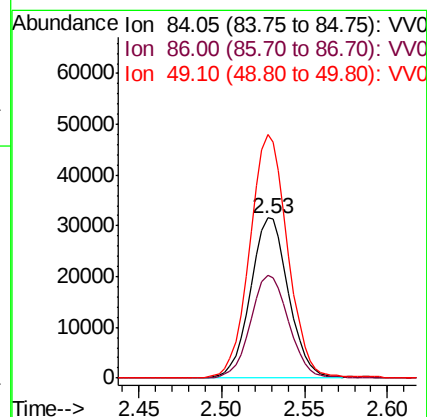
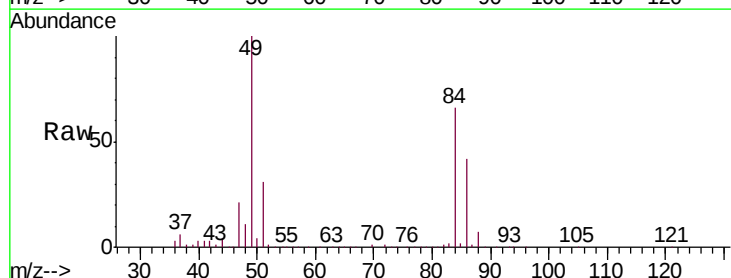
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

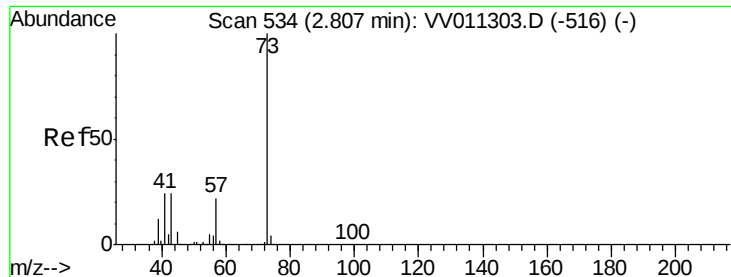
Tgt Ion: 43 Resp: 24394
Ion Ratio Lower Upper
43 100
74 23.6 18.5 27.7



#16
Methylene chloride
Concen: 4.996 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Tgt Ion: 84 Resp: 50193
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.3
49 151.8 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 4.989 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

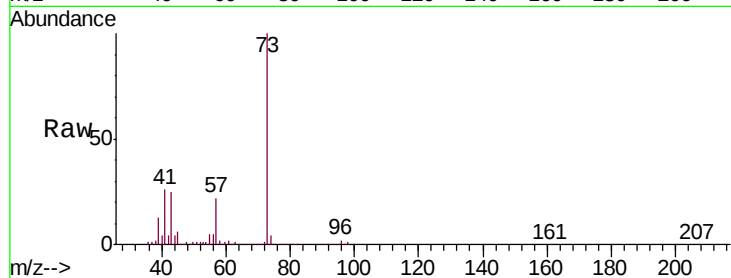
Tgt Ion: 73 Resp: 129864

Ion Ratio Lower Upper

73 100

43 24.8 18.7 28.1

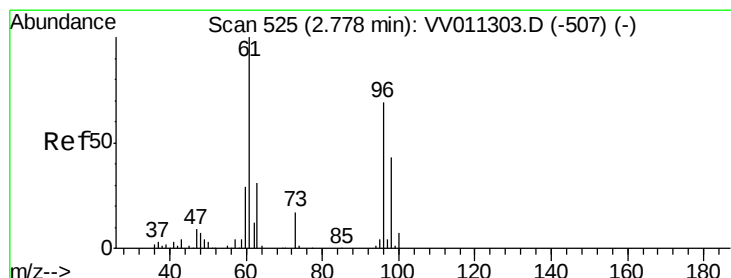
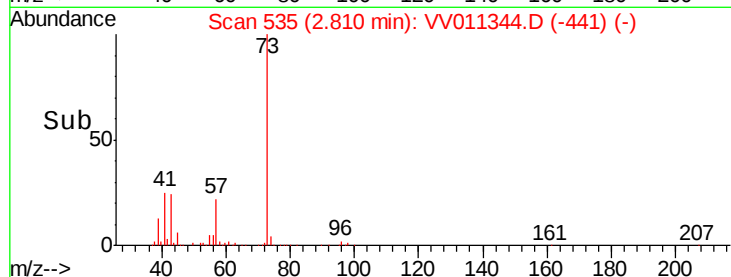
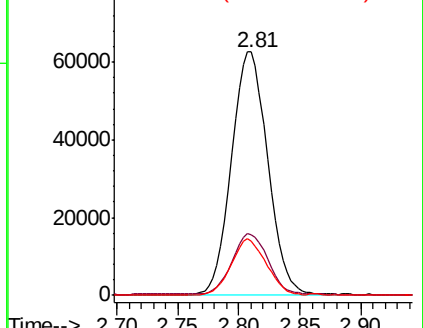
57 21.8 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV011303.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV011303.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV011303.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.872 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

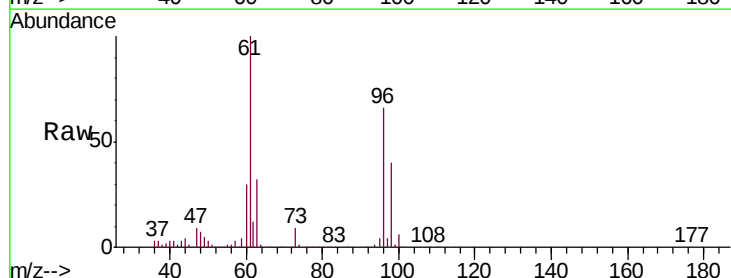
Tgt Ion: 96 Resp: 53192

Ion Ratio Lower Upper

96 100

61 151.9 104.0 193.2

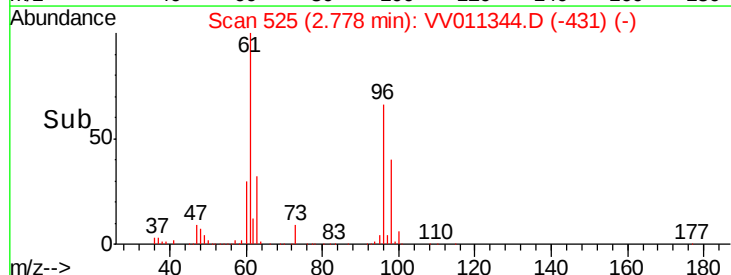
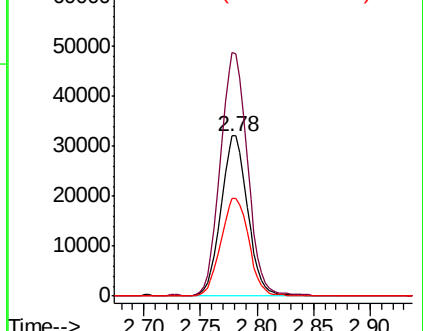
98 61.3 45.7 84.9

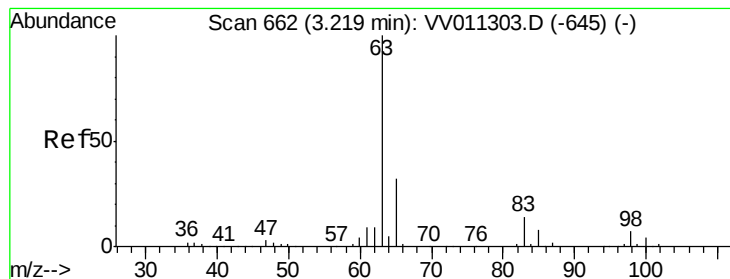


Abundance Ion 96.00 (95.70 to 96.70): VV011303.D (-507) (-)

Ion 61.05 (60.75 to 61.75): VV011303.D (-507) (-)

Ion 97.95 (97.65 to 98.65): VV011303.D (-507) (-)





#19

1,1-Dichloroethane

Concen: 4.959 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

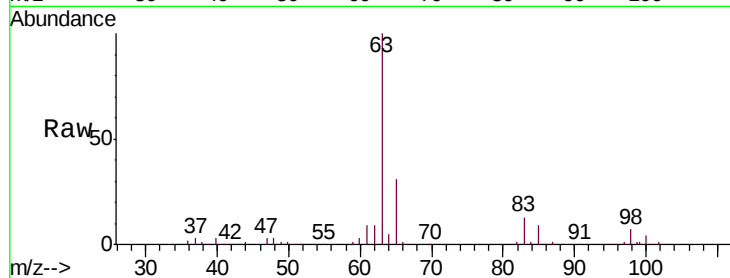
Tgt Ion: 63 Resp: 106790

Ion Ratio Lower Upper

63 100

65 31.0 22.1 41.1

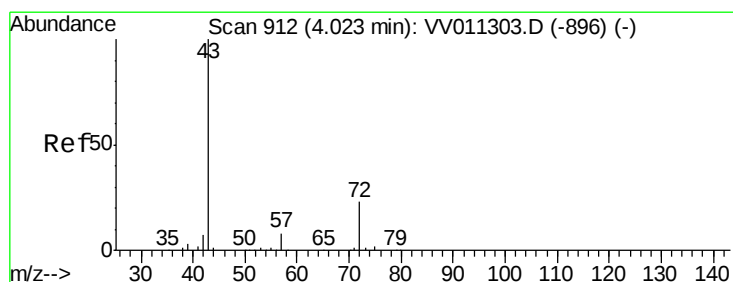
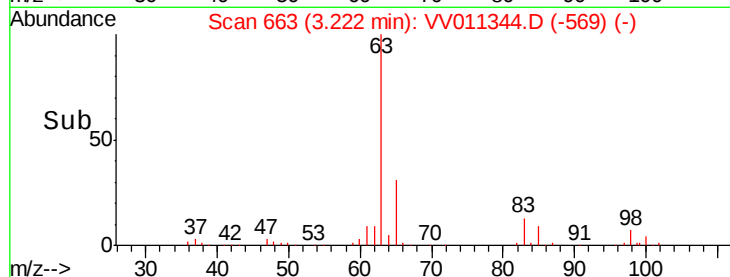
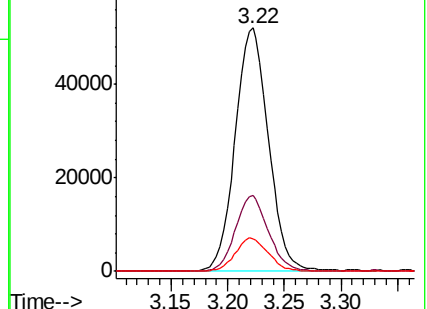
83 13.5 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 52.767 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV011344.D

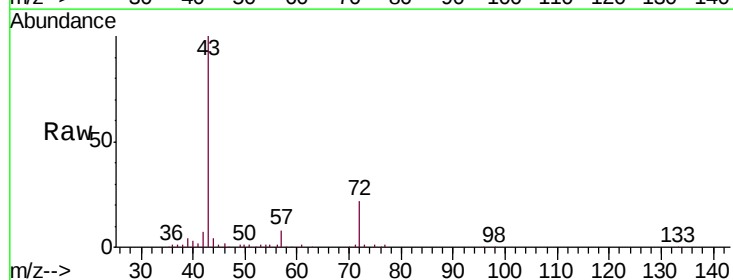
Acq: 10 Jun 2019 11:57

Tgt Ion: 43 Resp: 143859

Ion Ratio Lower Upper

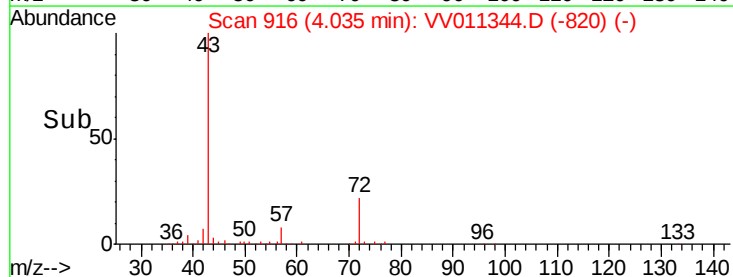
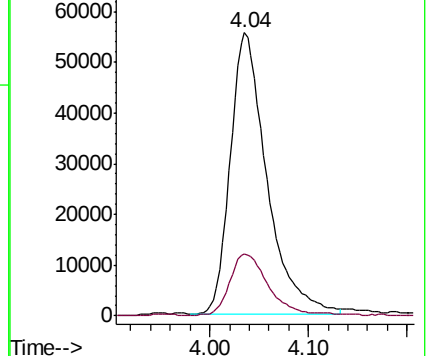
43 100

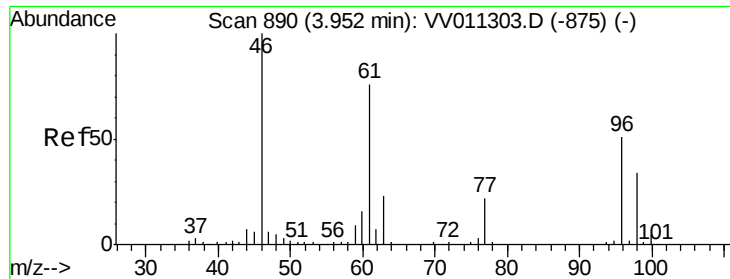
72 22.2 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



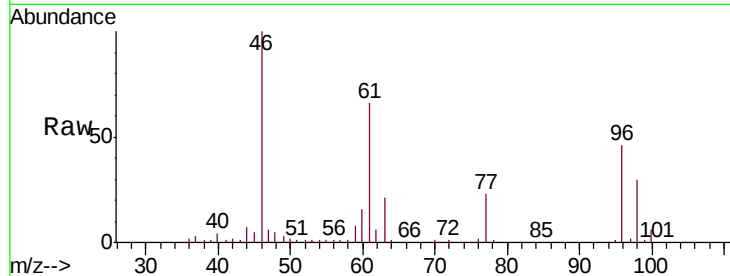


#22

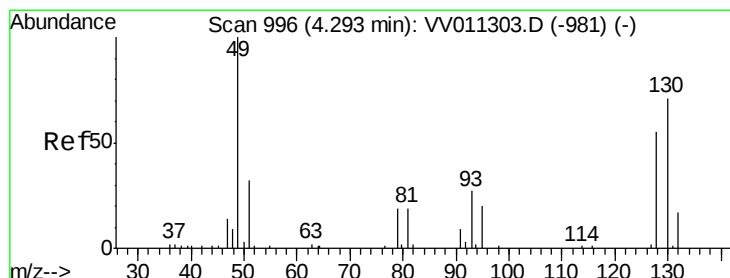
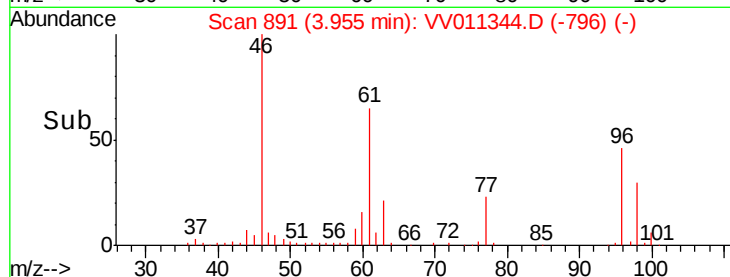
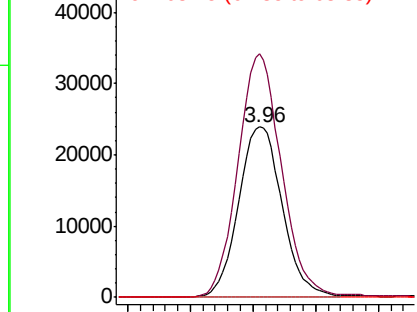
cis-1,2-Dichloroethene
Concen: 4.780 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.01 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion: 96 Resp: 57796
Ion Ratio Lower Upper
96 100
61 143.2 100.8 187.2
68 0.0 0.0 0.0



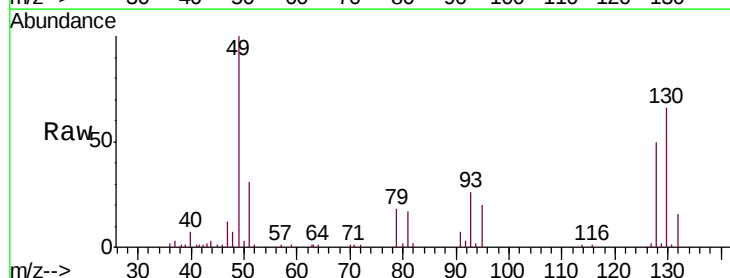
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



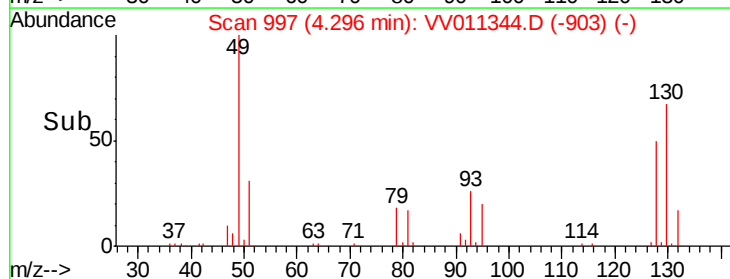
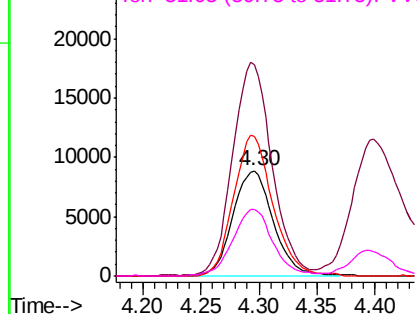
#23

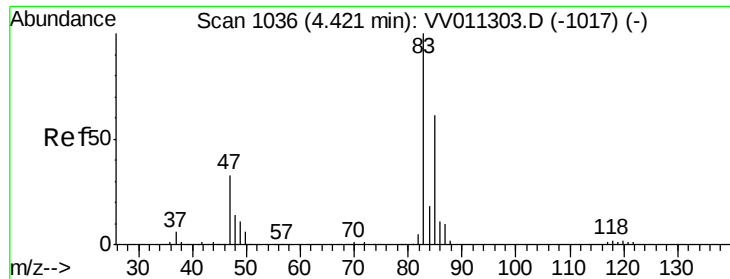
Bromochloromethane
Concen: 4.617 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Tgt Ion: 128 Resp: 21402
Ion Ratio Lower Upper
128 100
49 201.2 128.9 239.5
130 132.7 82.5 153.1
51 63.2 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

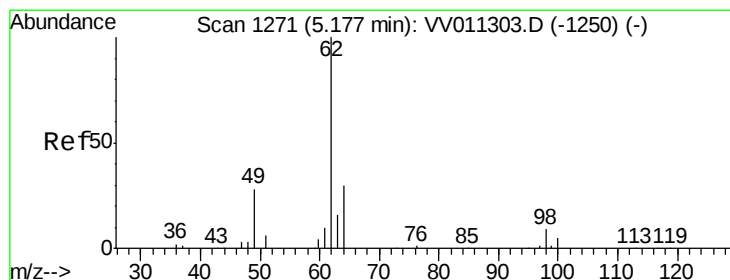
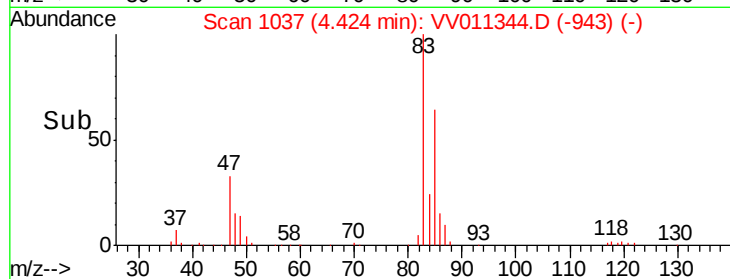
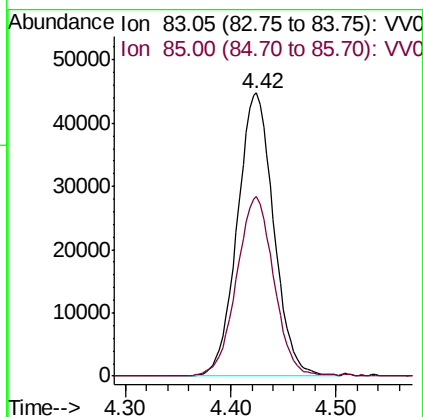
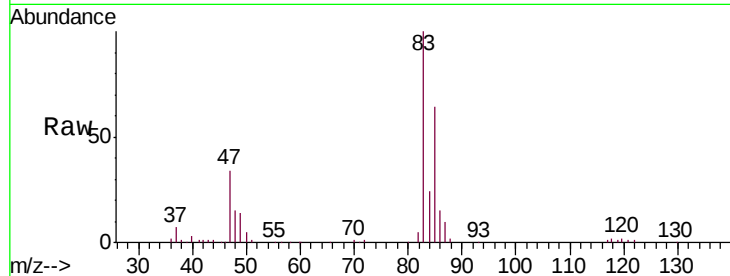




#25
Chloroform
Concen: 4.818 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

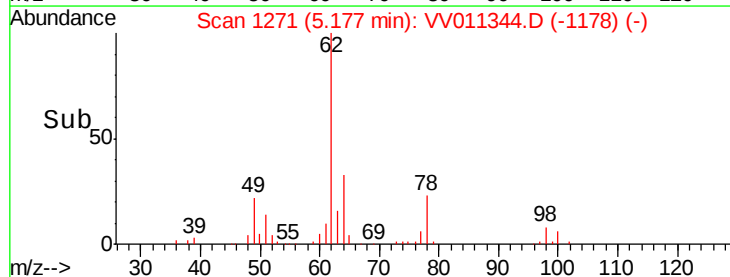
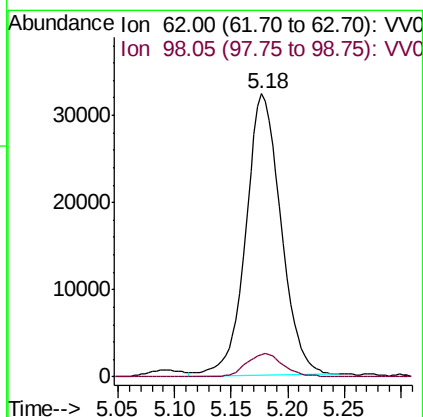
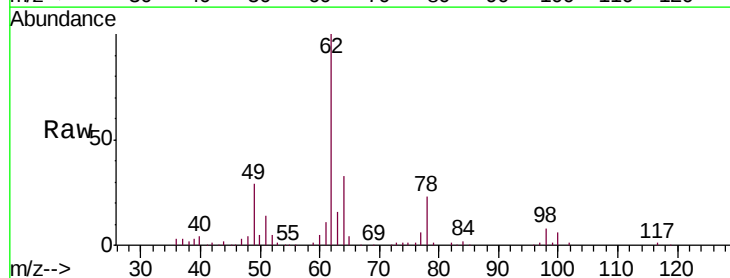
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

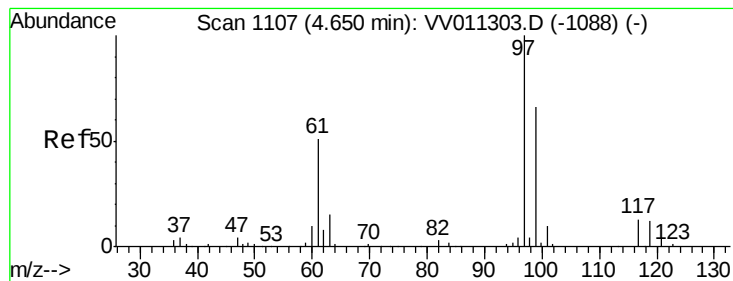
Tgt Ion: 83 Resp: 107155
Ion Ratio Lower Upper
83 100
85 63.7 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.109 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Tgt Ion: 62 Resp: 69441
Ion Ratio Lower Upper
62 100
98 8.1 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.826 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

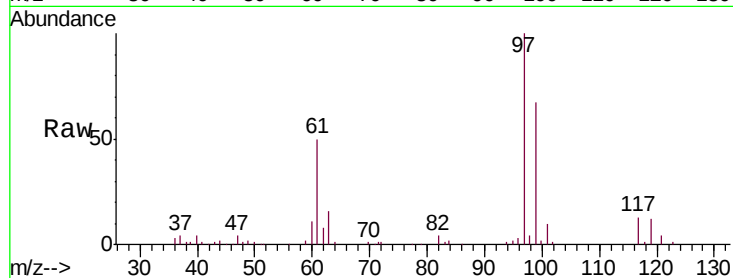
Tgt Ion: 97 Resp: 89070

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

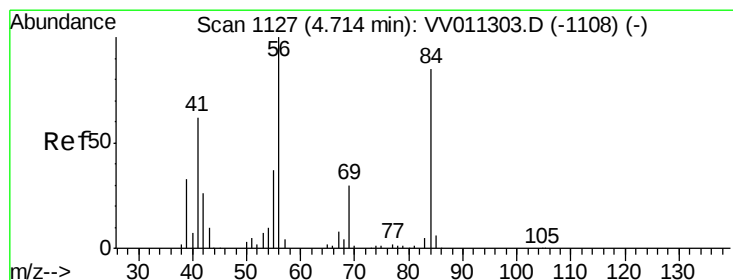
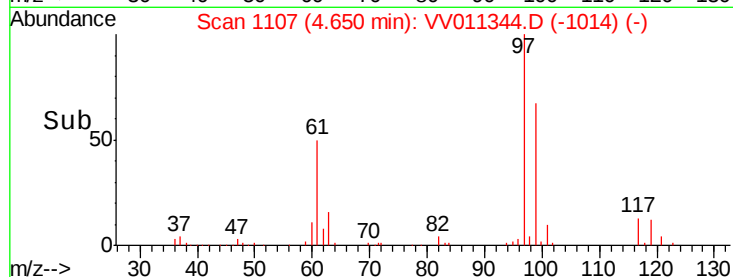
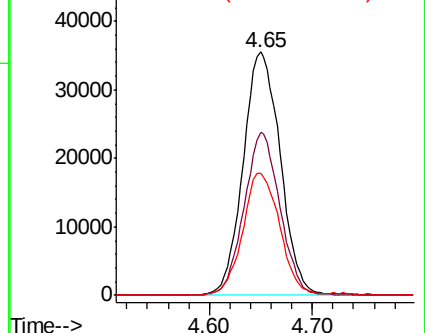
61 50.2 38.9 58.3



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: 4.787 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

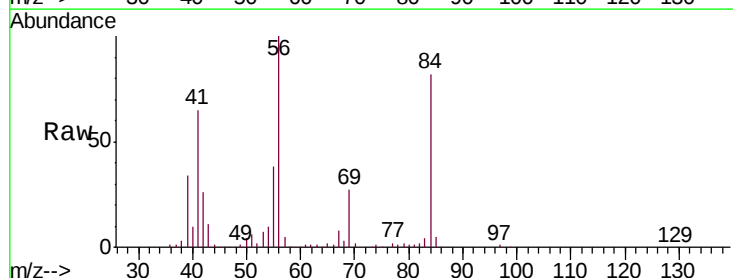
Tgt Ion: 56 Resp: 97959

Ion Ratio Lower Upper

56 100

69 28.1 24.1 36.1

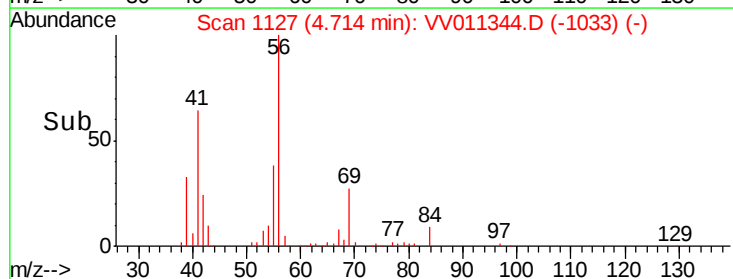
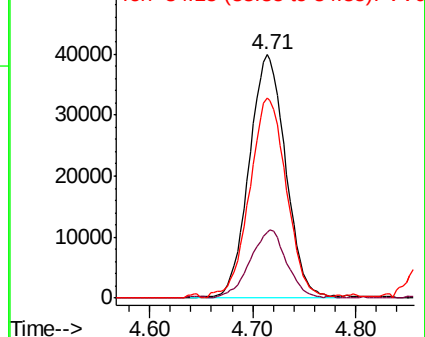
84 83.4 66.4 99.6

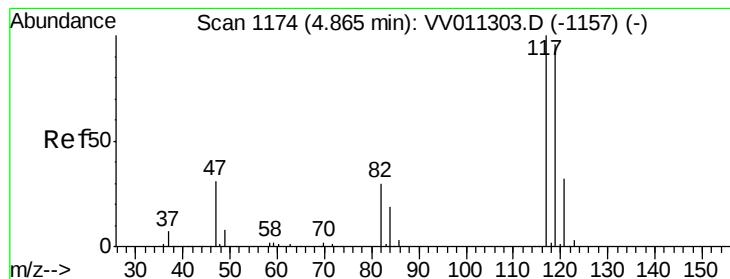


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.787 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

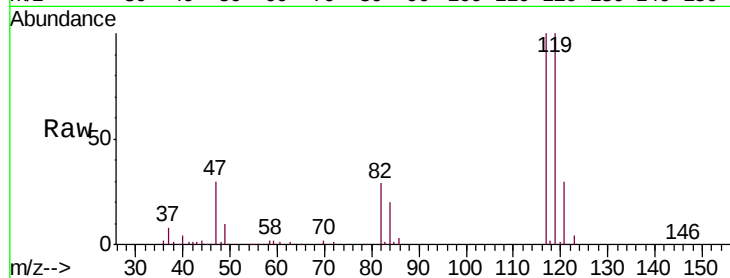
VSTD00543

Tgt Ion:117 Resp: 73839

Ion Ratio Lower Upper

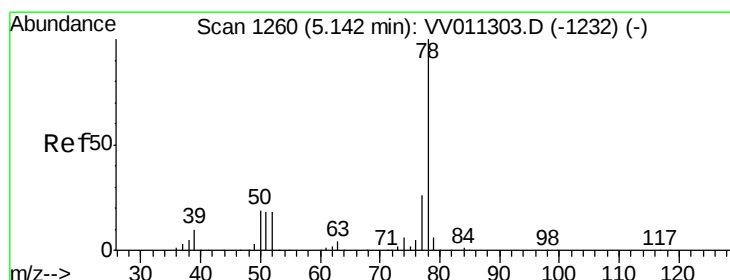
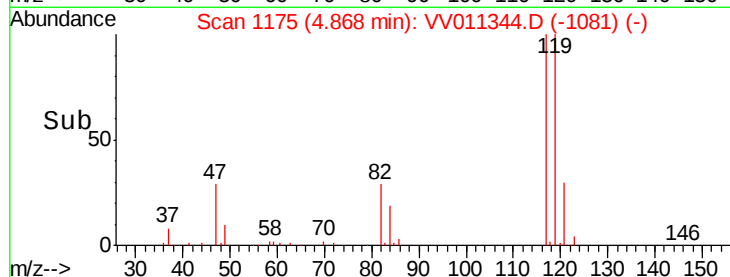
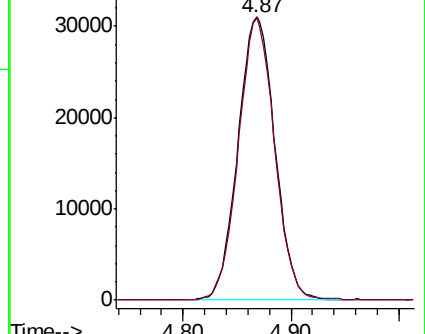
117 100

119 97.6 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.977 ug/L

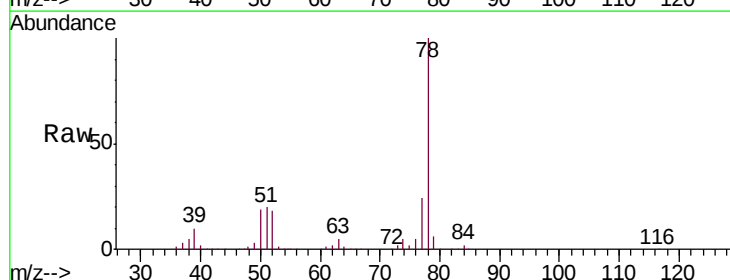
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

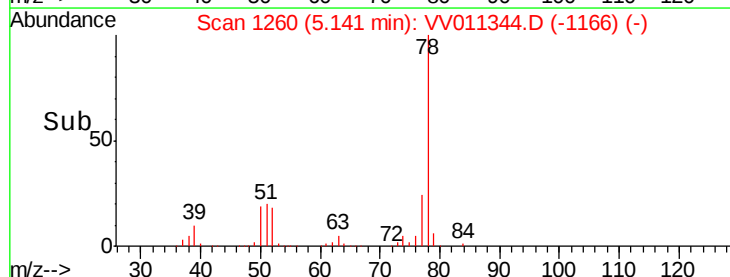
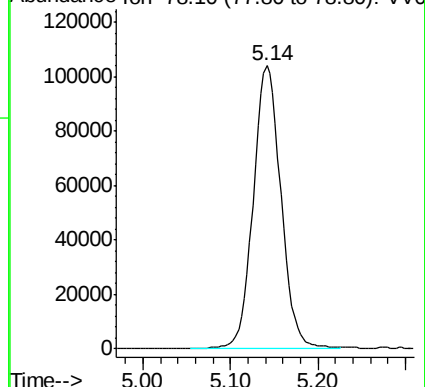
Lab File: VV011344.D

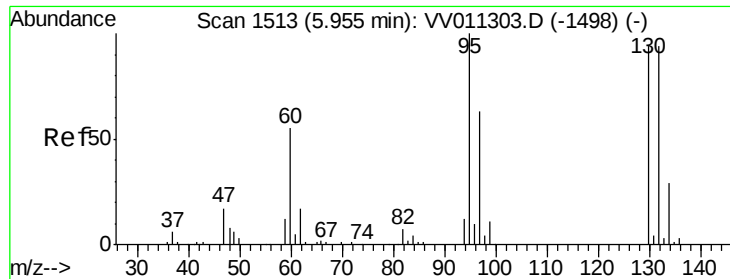
Acq: 10 Jun 2019 11:57

Tgt Ion: 78 Resp: 229138



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.976 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 59185

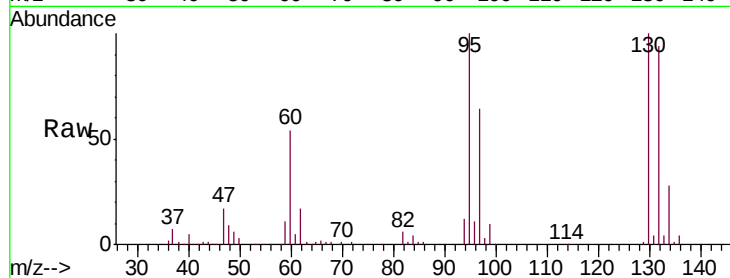
Ion Ratio Lower Upper

95 100

97 63.9 45.8 85.2

132 94.5 66.4 123.2

130 99.6 68.3 126.8

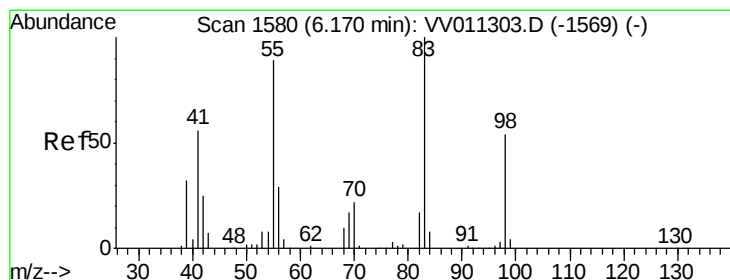
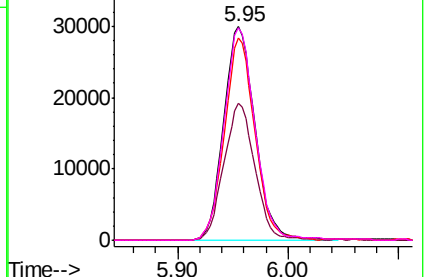
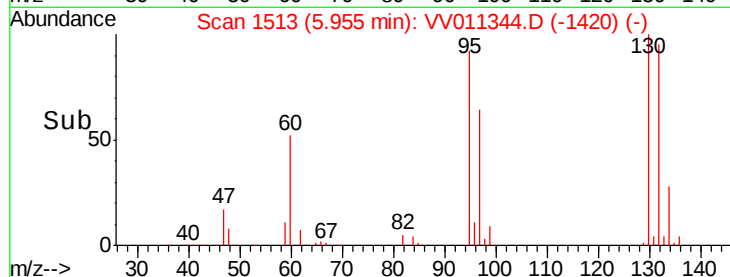


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.837 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

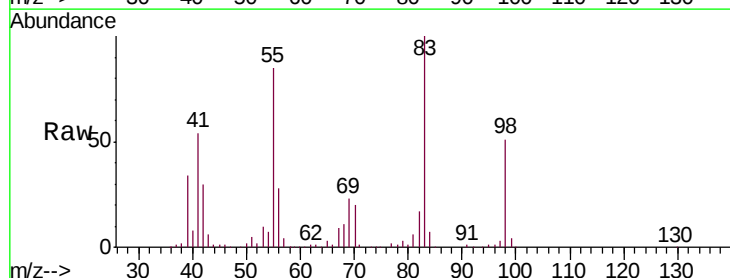
Tgt Ion: 83 Resp: 95142

Ion Ratio Lower Upper

83 100

55 83.9 67.0 100.6

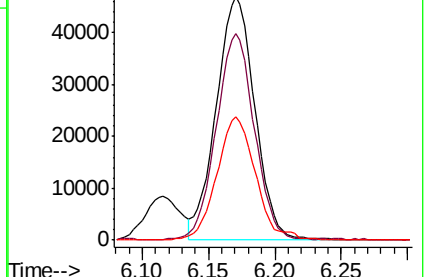
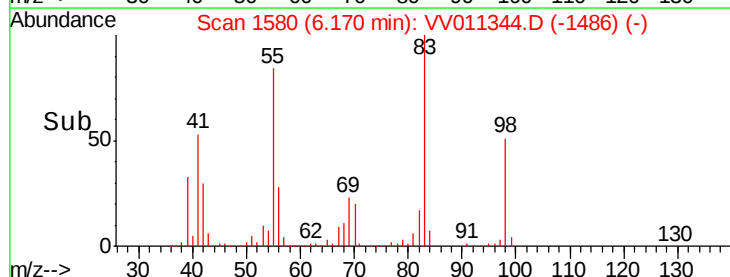
98 50.7 40.0 60.0

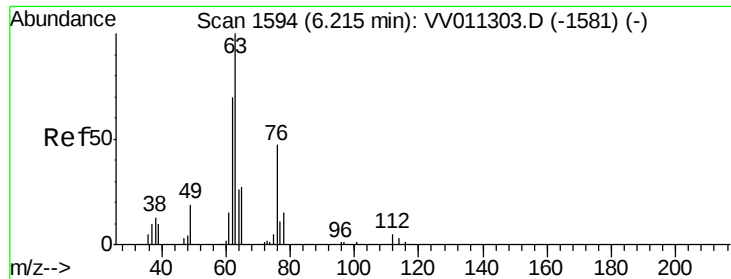


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.916 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

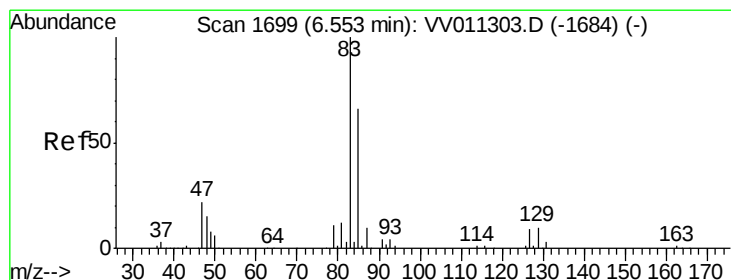
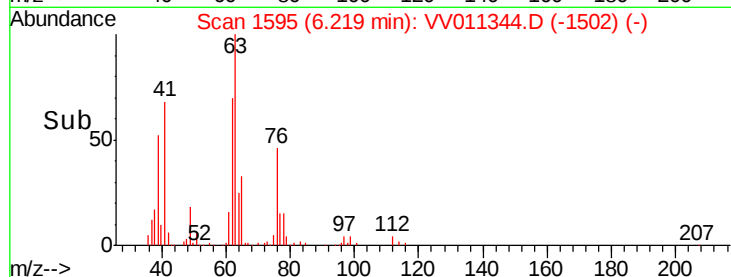
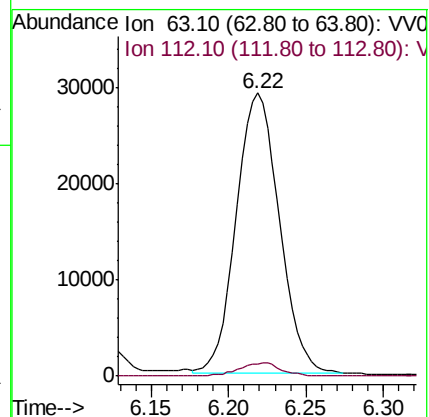
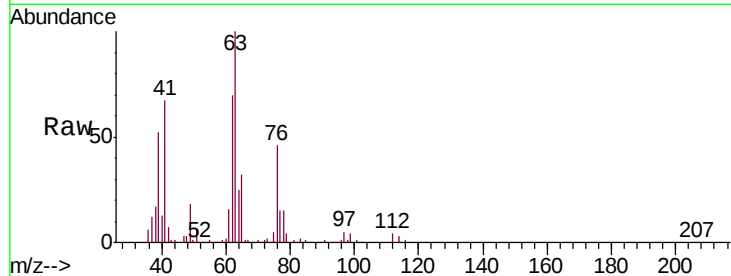
VSTD00543

Tgt Ion: 63 Resp: 56329

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#38

Bromodichloromethane

Concen: 4.716 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

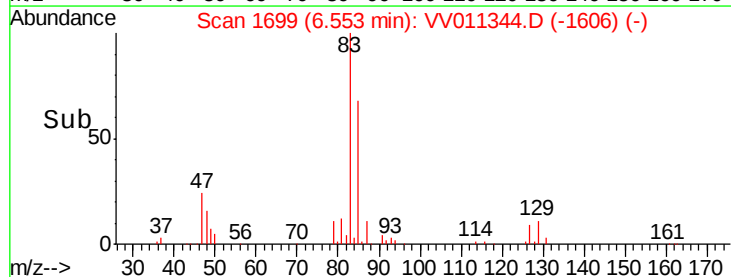
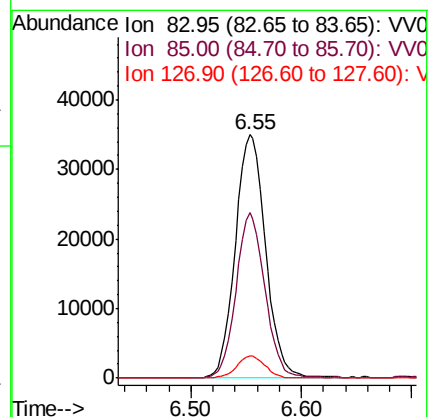
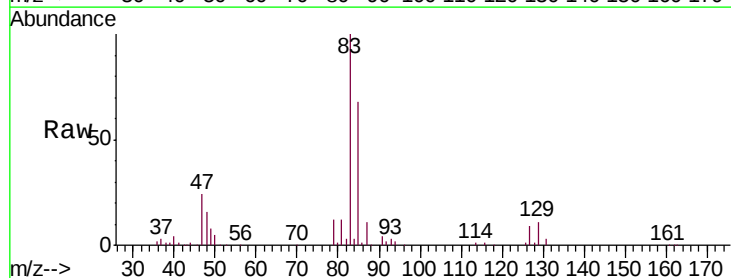
Tgt Ion: 83 Resp: 66818

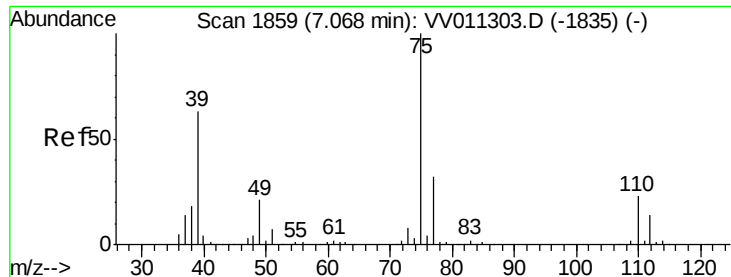
Ion Ratio Lower Upper

83 100

85 67.7 44.5 82.7

127 9.1 7.0 10.4

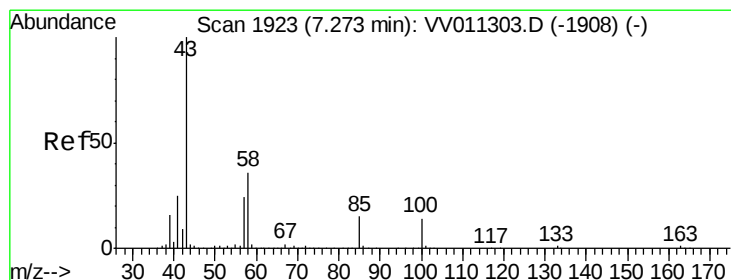
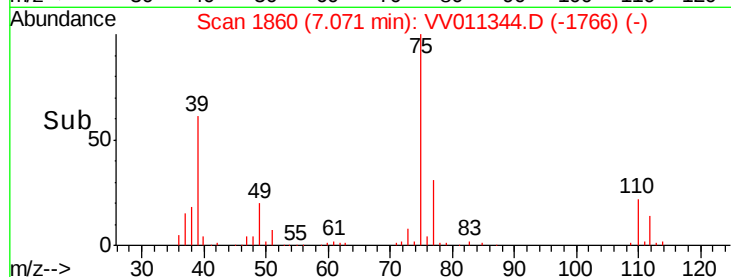
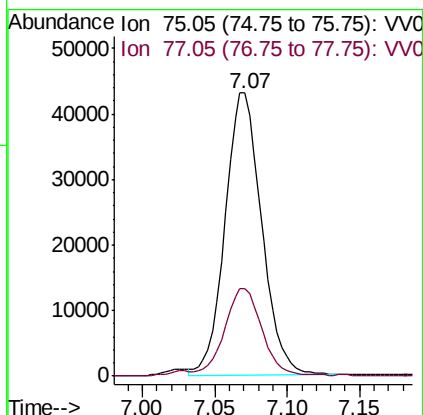
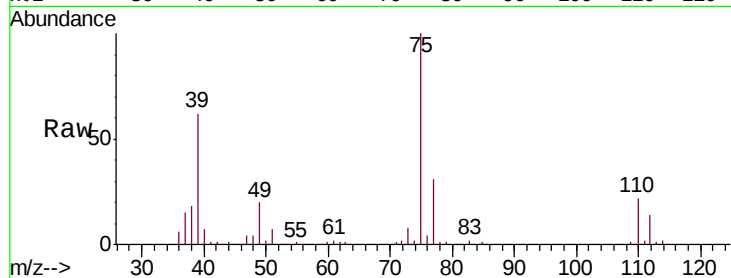




#39
 cis-1,3-Dichloropropene
 Concen: 4.514 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

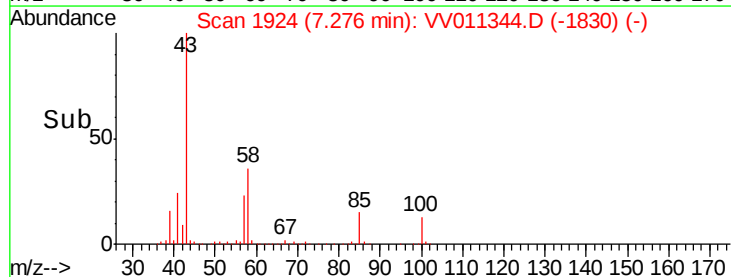
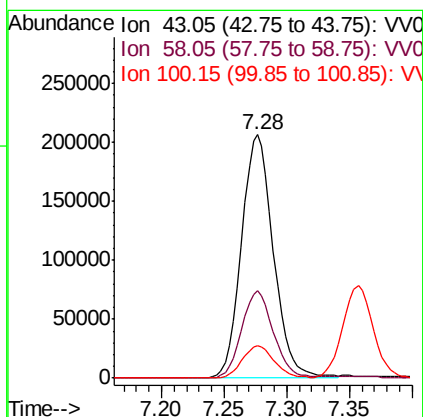
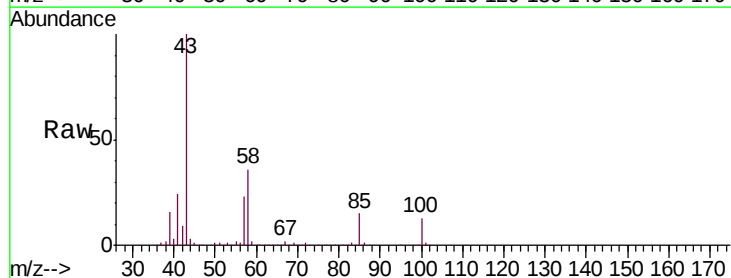
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

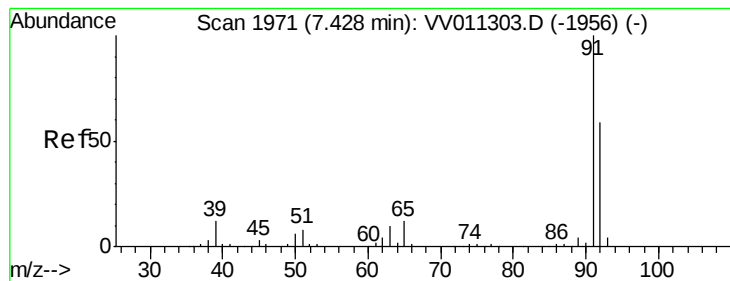
Tgt Ion: 75 Resp: 75677
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 50.032 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Tgt Ion: 43 Resp: 365115
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.3 43.9
 100 13.4 10.6 16.0





#42

Toluene

Concen: 4.912 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

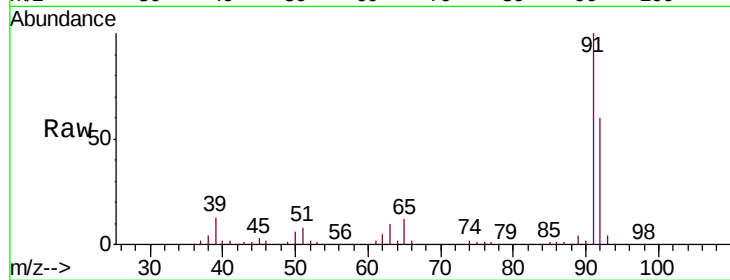
VSTD00543

Tgt Ion: 91 Resp: 241057

Ion Ratio Lower Upper

91 100

92 59.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

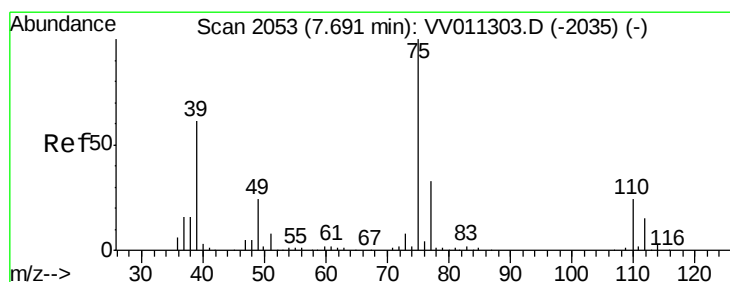
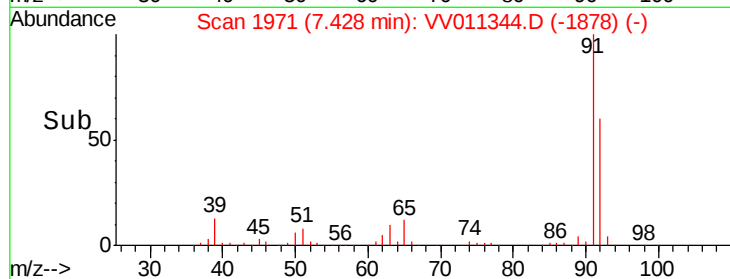
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.540 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011344.D

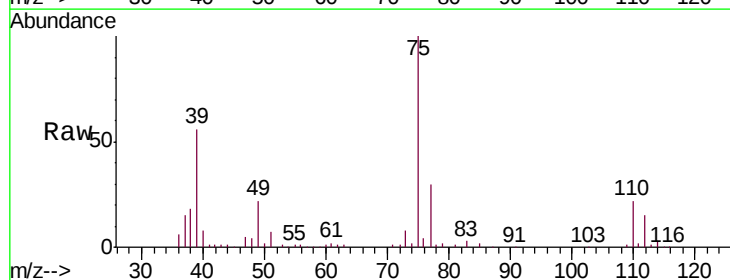
Acq: 10 Jun 2019 11:57

Tgt Ion: 75 Resp: 57868

Ion Ratio Lower Upper

75 100

77 30.3 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

40000

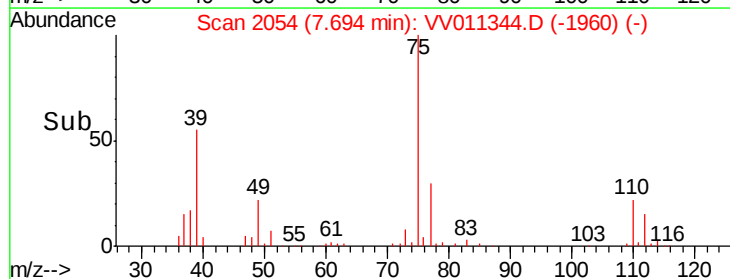
30000

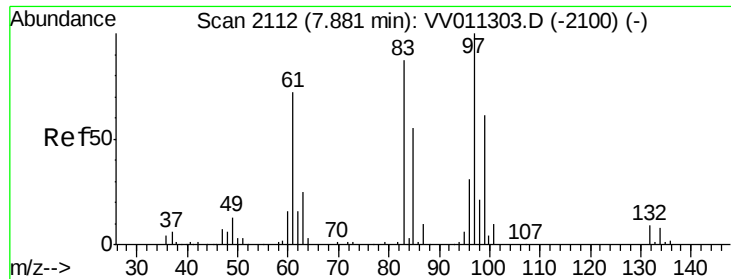
20000

10000

0

Time-->

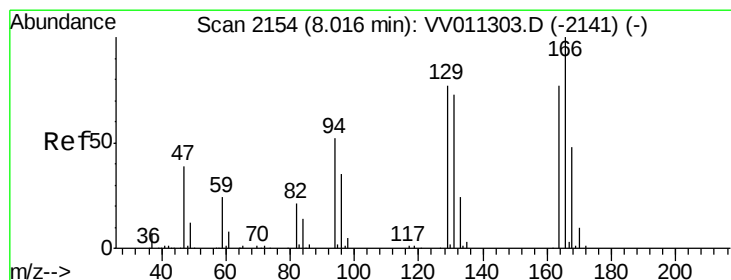
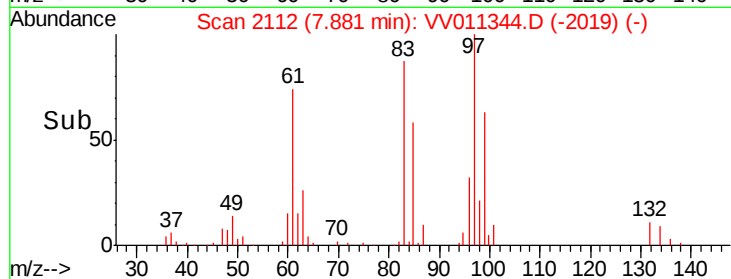
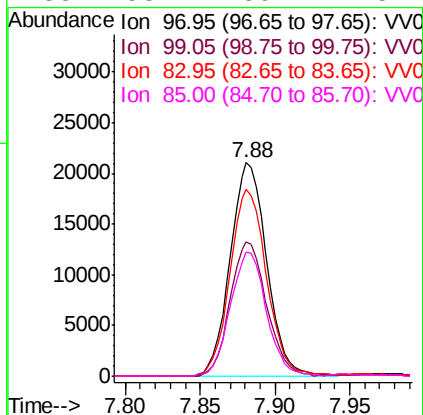
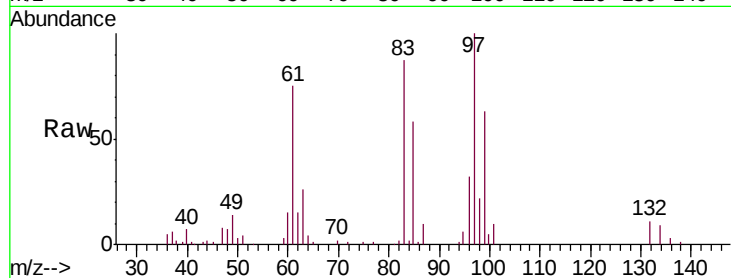




#45
 1,1,2-Trichloroethane
 Concen: 4.898 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

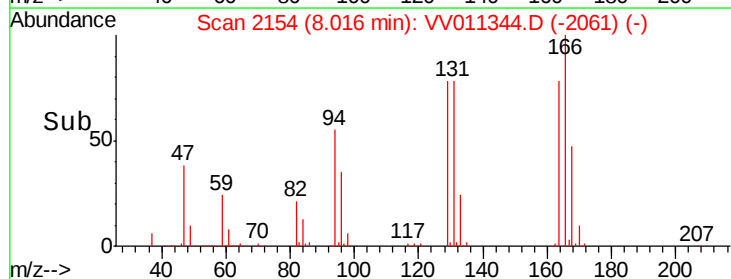
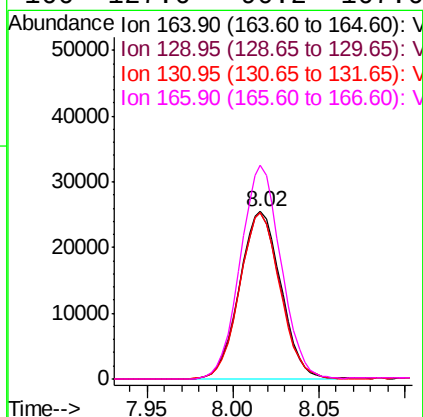
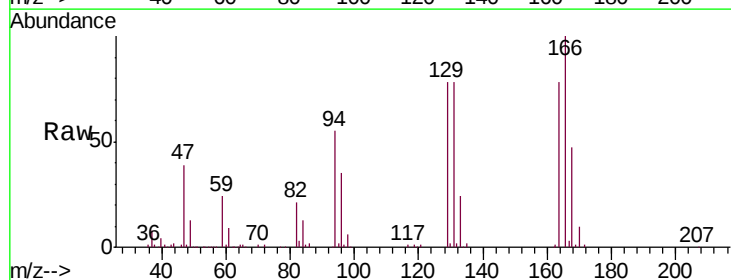
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

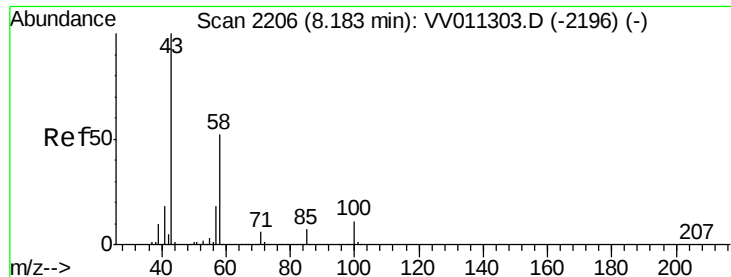
Tgt Ion:	97	Resp:	35928
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.1	78.3
83	87.3	59.4	110.2
85	58.1	39.7	73.7



#47
 Tetrachloroethene
 Concen: 4.972 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Tgt Ion:	164	Resp:	42741
Ion	Ratio	Lower	Upper
164	100		
129	99.3	69.9	129.9
131	99.1	66.8	124.2
166	127.6	90.2	167.6

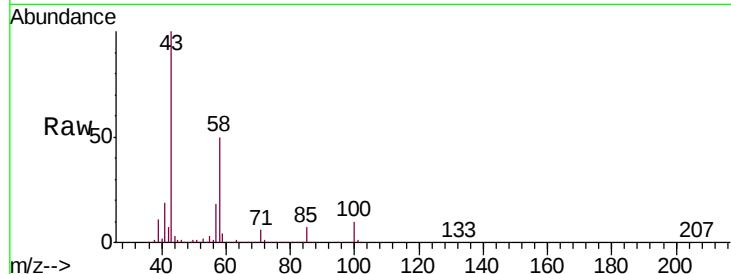




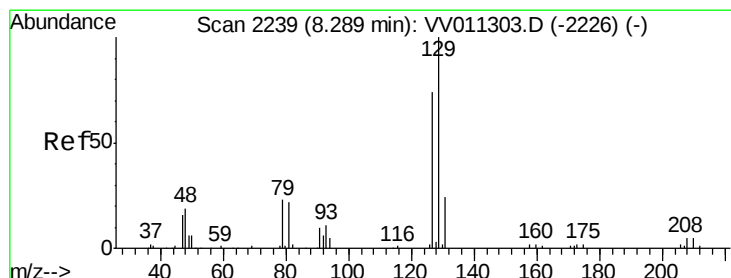
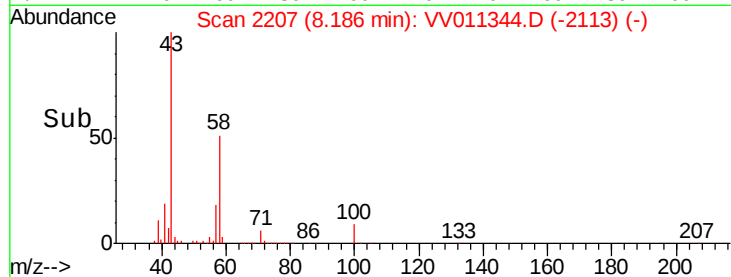
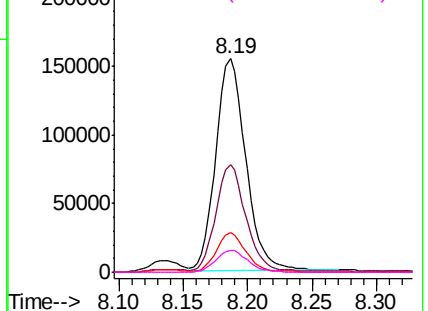
#48
2-Hexanone
Concen: 49.623 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion:	43	Resp:	252559
Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	17.8	15.0	22.4
100	10.9	9.0	13.4

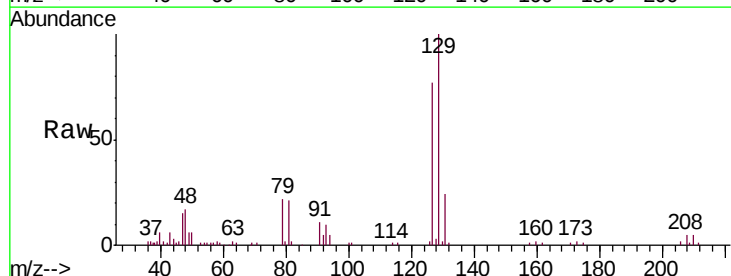


Abundance Ion 43.05 (42.75 to 43.75): VV011344.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV011344.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV011344.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV011344.D (-2196) (-)

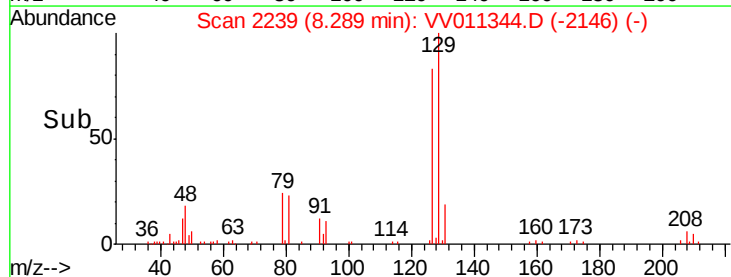
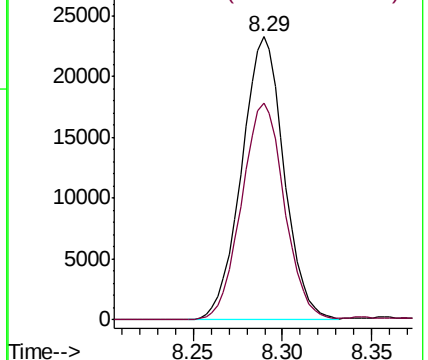


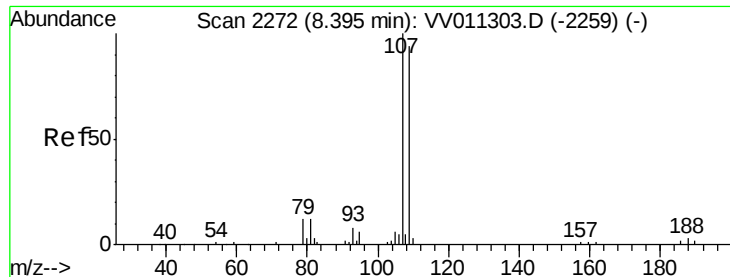
#49
Dibromochloromethane
Concen: 4.623 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011344.D
Acq: 10 Jun 2019 11:57

Tgt Ion:	129	Resp:	38519
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV011344.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011344.D (-2146) (-)

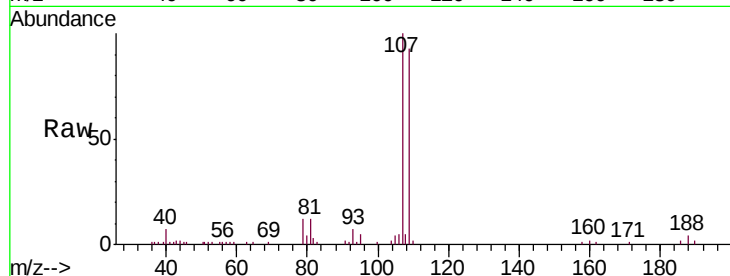




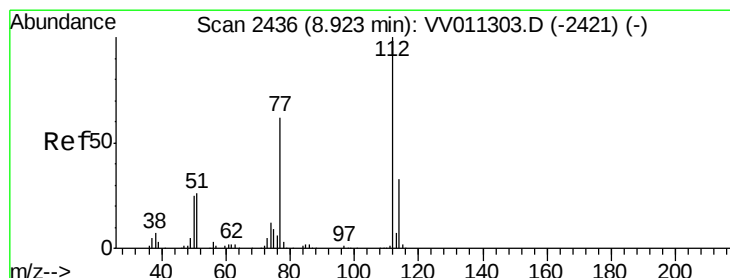
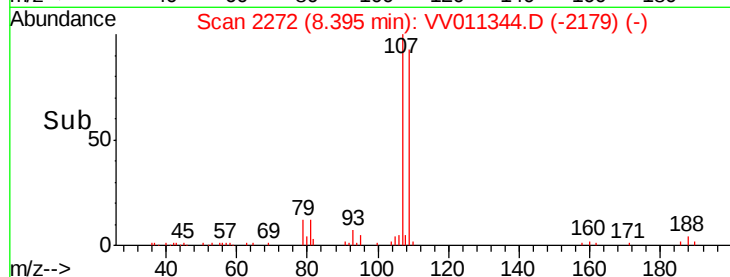
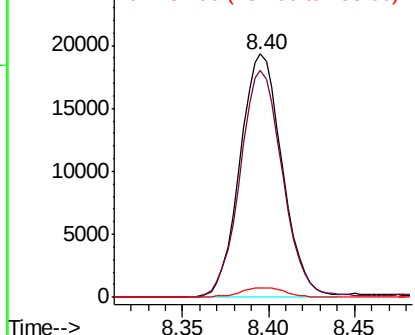
#50
 1,2-Dibromoethane
 Concen: 4.741 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tgt Ion:107 Resp: 33059
 Ion Ratio Lower Upper
 107 100
 109 93.1 64.5 119.9
 188 3.9 2.7 4.1

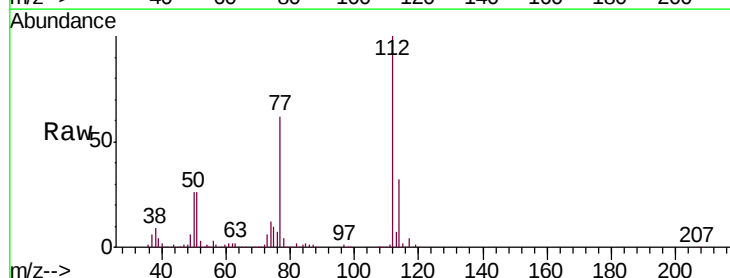


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

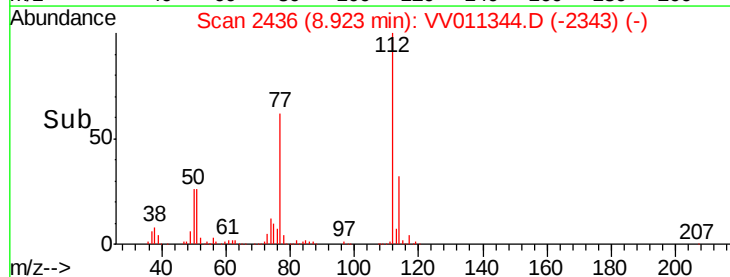
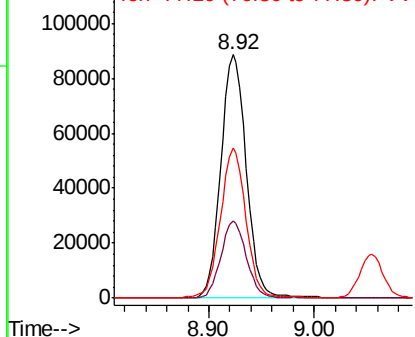


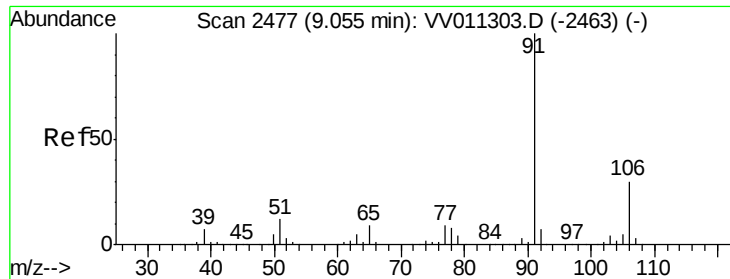
#51
 Chlorobenzene
 Concen: 4.949 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Tgt Ion:112 Resp: 148120
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.6 42.0
 77 61.7 50.1 75.1



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: 4.909 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

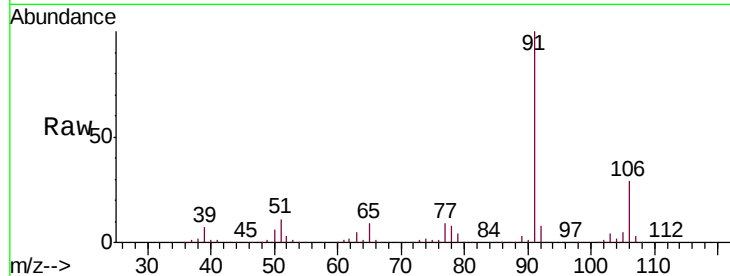
VSTD00543

Tgt Ion: 91 Resp: 267517

Ion Ratio Lower Upper

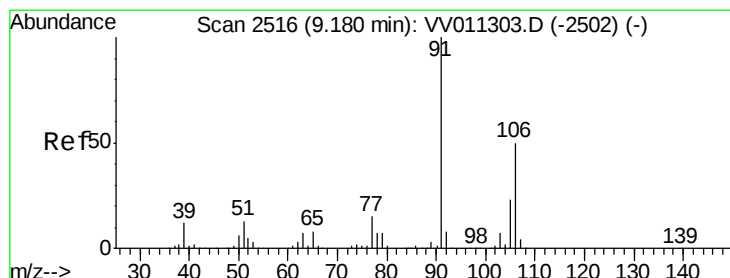
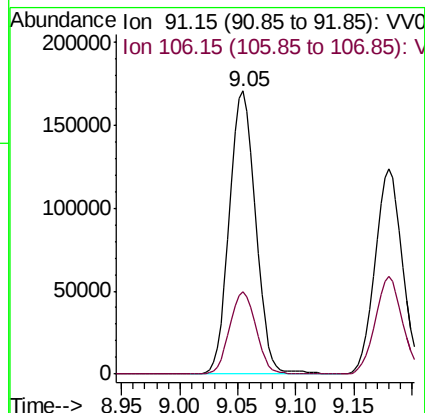
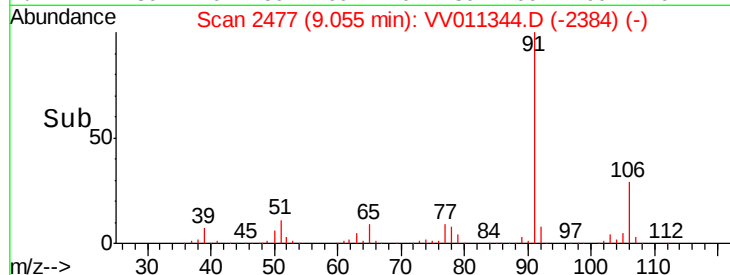
91 100

106 29.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011344.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011344.D (-2384) (-)



#53

m,p-xylene

Concen: 4.869 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011344.D

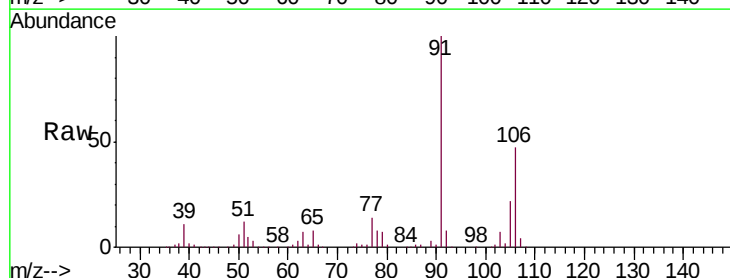
Acq: 10 Jun 2019 11:57

Tgt Ion: 106 Resp: 98123

Ion Ratio Lower Upper

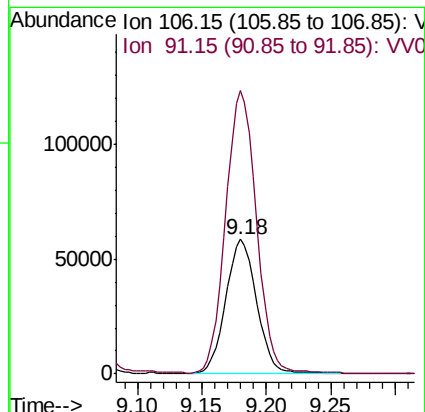
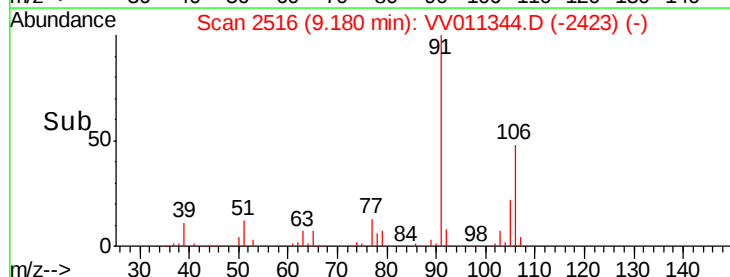
106 100

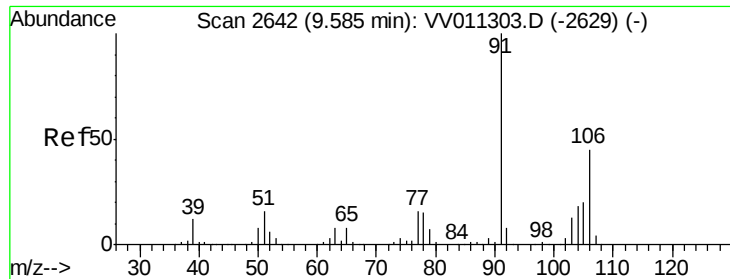
91 210.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011344.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011344.D (-2423) (-)





#54

o-xylene

Concen: 4.935 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

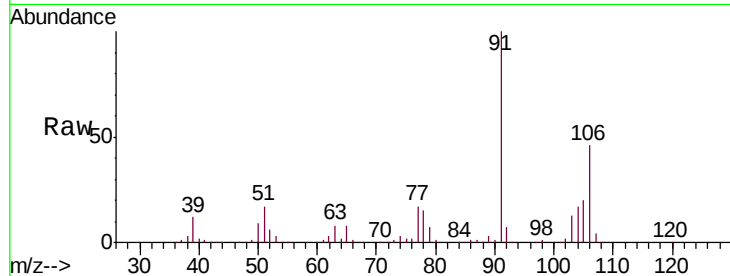
VSTD00543

Tgt Ion:106 Resp: 97611

Ion Ratio Lower Upper

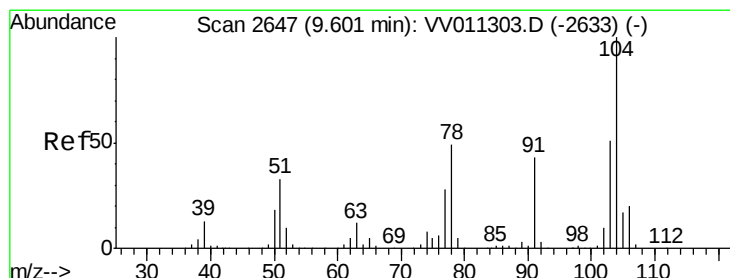
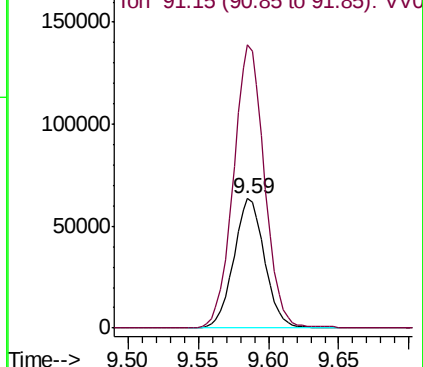
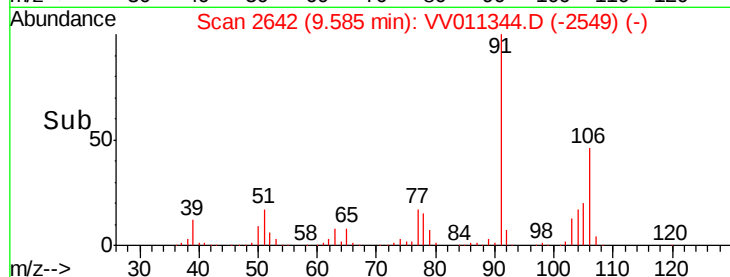
106 100

91 218.2 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.865 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011344.D

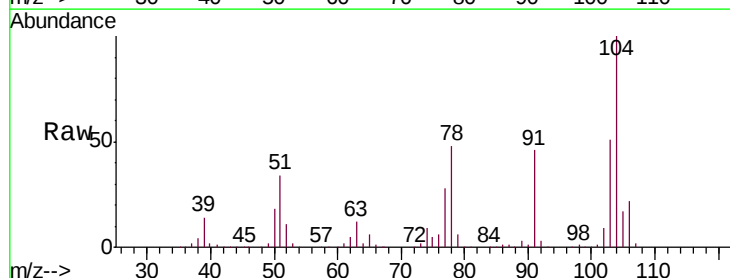
Acq: 10 Jun 2019 11:57

Tgt Ion:104 Resp: 156720

Ion Ratio Lower Upper

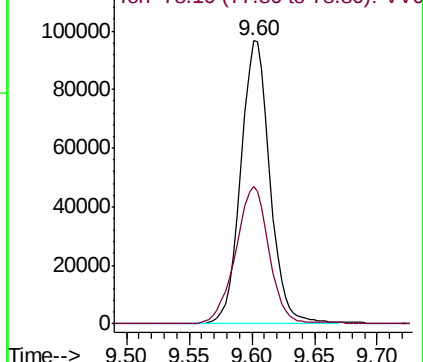
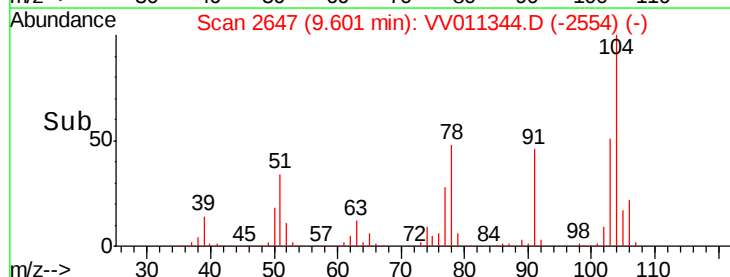
104 100

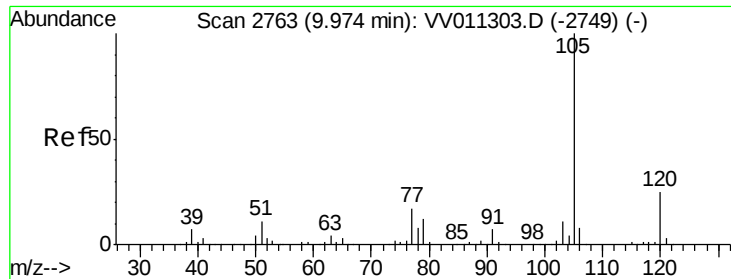
78 48.4 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.847 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

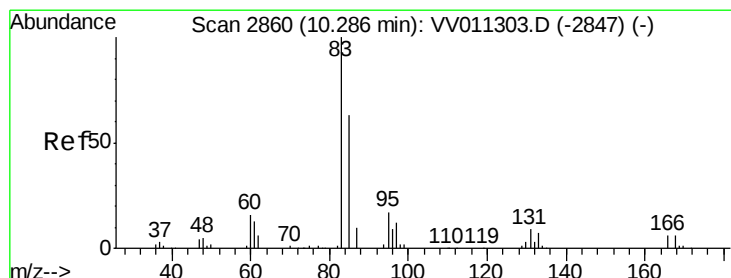
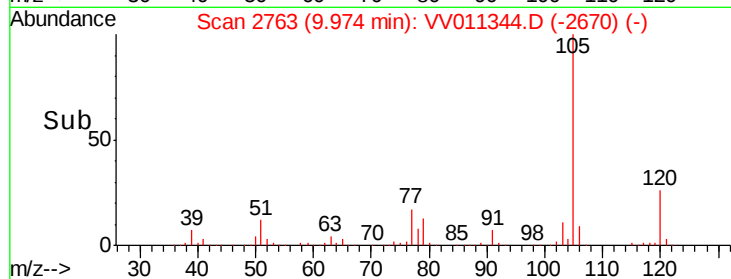
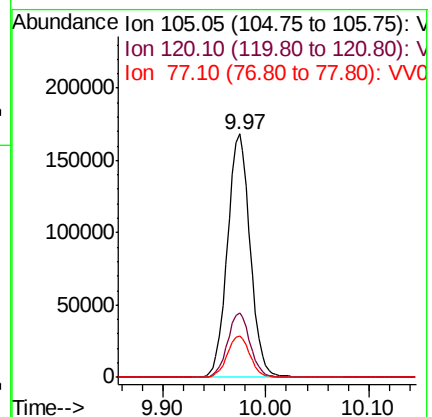
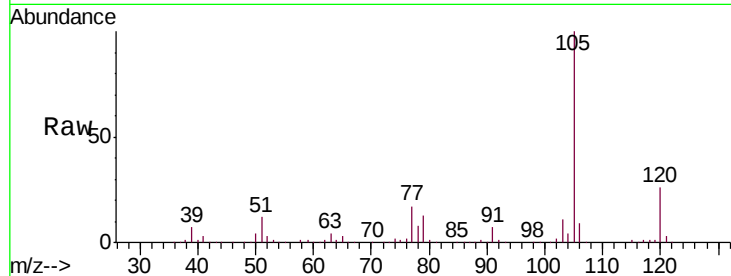
Tgt Ion: 105 Resp: 258006

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 17.2 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 5.024 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

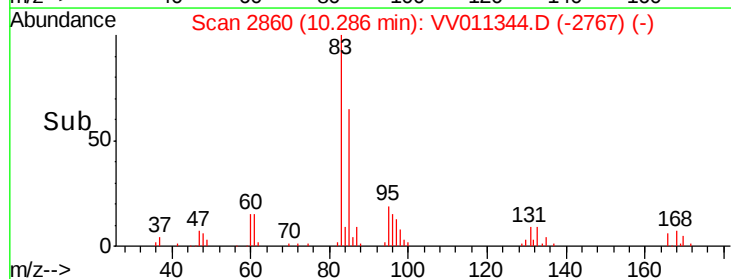
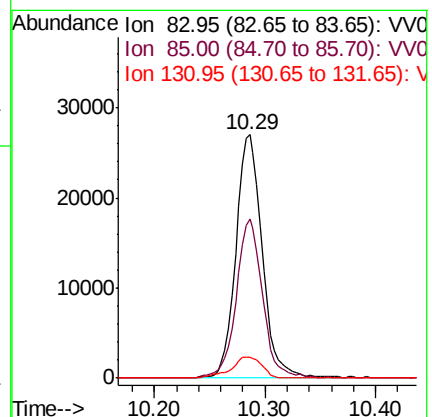
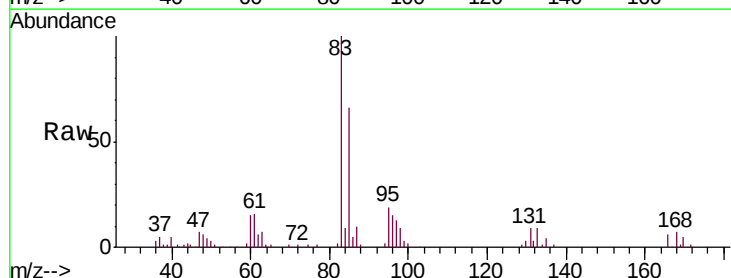
Tgt Ion: 83 Resp: 44681

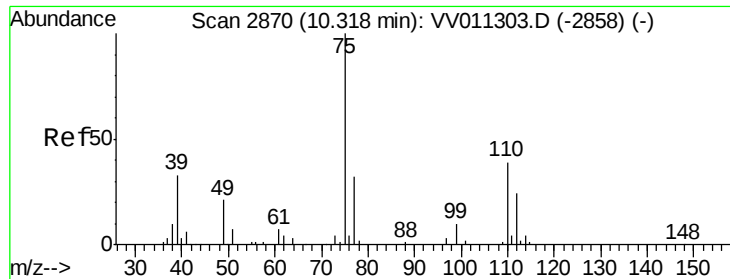
Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.9

131 8.7 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 4.810 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

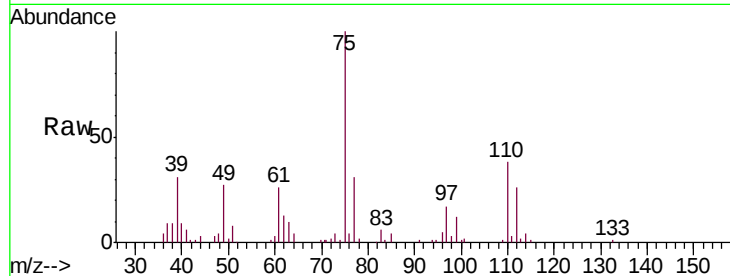
VSTD00543

Tgt Ion: 75 Resp: 32150

Ion Ratio Lower Upper

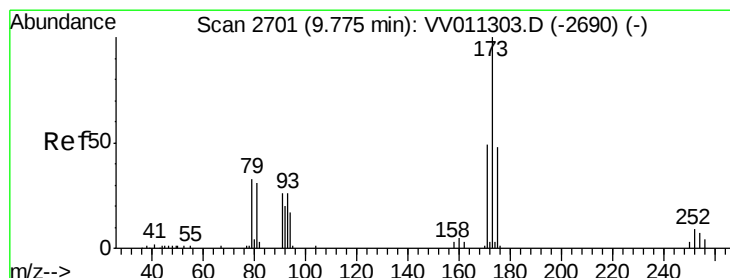
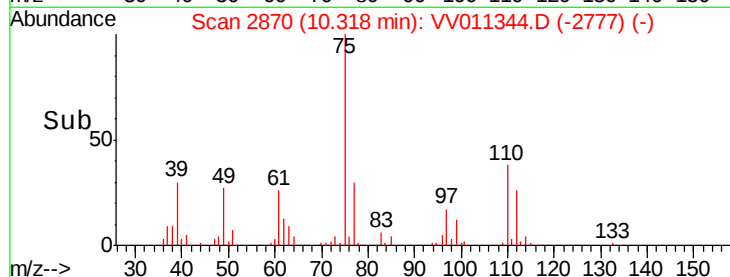
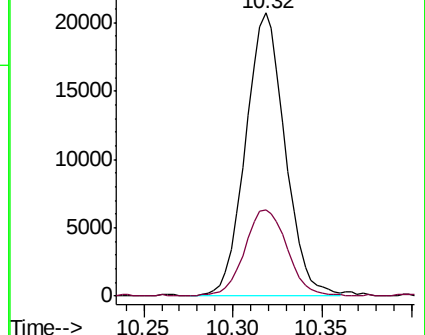
75 100

77 33.0 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV011303.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV011303.D (-2858) (-)



#61

Bromoform

Concen: 4.558 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011344.D

Acq: 10 Jun 2019 11:57

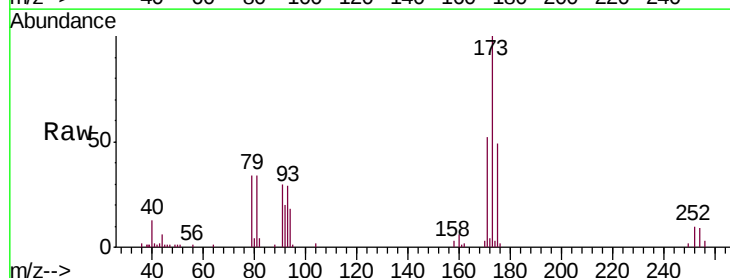
Tgt Ion: 173 Resp: 17231

Ion Ratio Lower Upper

173 100

175 48.8 37.0 55.4

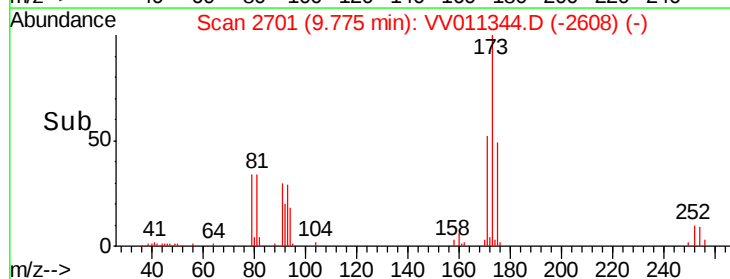
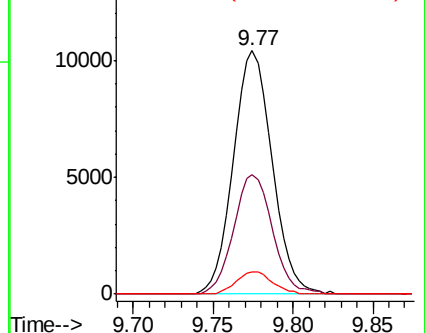
254 8.5 6.9 10.3

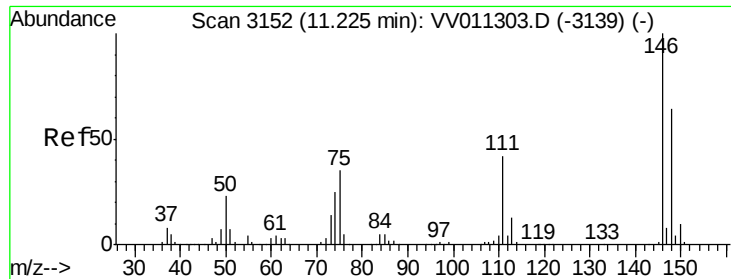


Abundance Ion 172.90 (172.60 to 173.60): VV011303.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV011303.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV011303.D (-2690) (-)

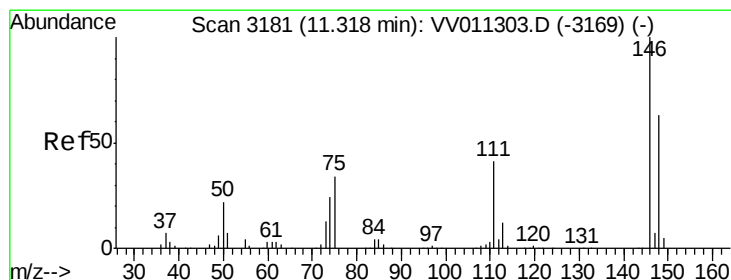
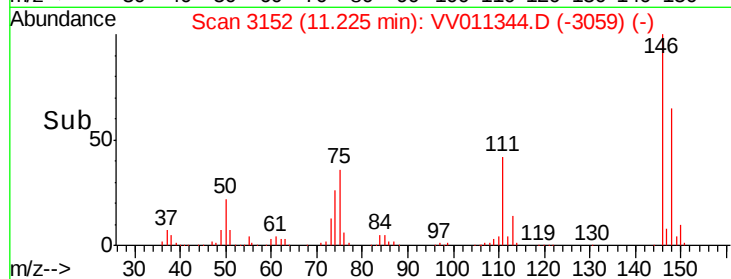
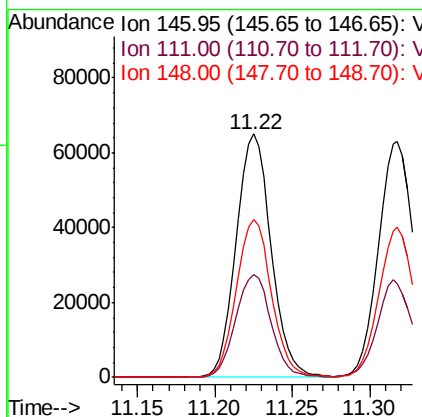
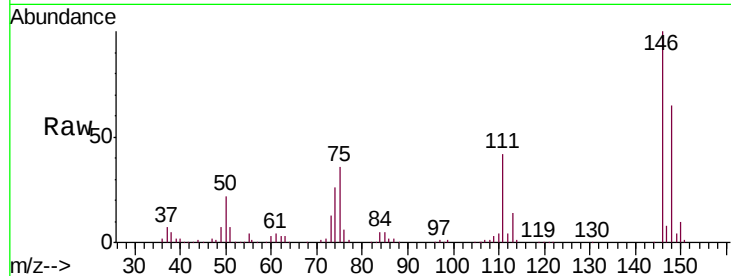




#62
 1,3-Dichlorobenzene
 Concen: 4.915 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tgt Ion:146 Resp: 102287
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.0 53.9
 148 64.8 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 5.049 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011344.D
 Acq: 10 Jun 2019 11:57

Tgt Ion:146 Resp: 101991
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.3 52.5
 148 63.7 44.6 82.8

