

Data File : VV010606.D
Acq On : 01 May 2019 15:50
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: May 02 08:18:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	87633	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	89222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	41311	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23234	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	17787	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	49537	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	3.96	46	61139	50.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.10%
24) Chloroform-d	4.40	84	53581	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	26326	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.10	84	105637	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	31595	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	101120	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	11170	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.14	63	49406	50.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22749	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	36891	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41661	5.219	ug/L 99
3) Chloromethane	1.25	50	33972	5.010	ug/L 96
5) Vinyl chloride	1.32	62	34721	5.069	ug/L 99
6) Bromomethane	1.54	94	21733	5.269	ug/L 97
8) Chloroethane	1.60	64	17666	5.886	ug/L 99
9) Trichlorofluoromethane	1.77	101	54506	4.979	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30969	5.381	ug/L 99
12) 1,1-Dichloroethene	2.14	96	26508	5.069	ug/L 95
13) Acetone	2.22	43	35673	49.671	ug/L 97
14) Carbon disulfide	2.31	76	73080	5.107	ug/L 100
15) Methyl Acetate	2.47	43	11549	5.198	ug/L 99
16) Methylene chloride	2.53	84	30887	4.947	ug/L 92
17) Methyl tert-butyl Ether	2.81	73	64312	5.179	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	31249	5.217	ug/L 97
19) 1,1-Dichloroethane	3.23	63	58488	5.332	ug/L 96
21) 2-Butanone	4.04	43	69698	57.101	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	33637	5.231	ug/L 88

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	14227	5.225	ug/L	94
25) Chloroform	4.42	83	59914	5.111	ug/L	98
27) 1,2-Dichloroethane	5.18	62	33589	5.003	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	53617	5.233	ug/L	100
30) Cyclohexane	4.72	56	48830	5.064	ug/L	98
31) Carbon tetrachloride	4.87	117	48258	5.263	ug/L	97
33) Benzene	5.14	78	126875	5.161	ug/L	100
34) Trichloroethene	5.96	95	36004	5.201	ug/L	97
35) Methylcyclohexane	6.17	83	52529	5.238	ug/L	96
37) 1,2-Dichloropropane	6.22	63	30465	5.071	ug/L	98
38) Bromodichloromethane	6.55	83	39454	5.150	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	40671	4.995	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	171869	52.110	ug/L	98
42) Toluene	7.43	91	141851	5.158	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	32986	5.194	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	21634	5.068	ug/L	88
47) Tetrachloroethene	8.02	164	26365	4.825	ug/L	98
48) 2-Hexanone	8.19	43	126533	53.484	ug/L	99
49) Dibromochloromethane	8.29	129	26575	5.346	ug/L	99
50) 1,2-Dibromoethane	8.40	107	19682	5.160	ug/L	96
51) Chlorobenzene	8.92	112	91219	5.101	ug/L	97
52) Ethylbenzene	9.05	91	154310	5.290	ug/L	100
53) m,p-xylene	9.18	106	60519	5.417	ug/L	97
54) o-xylene	9.59	106	60149	5.530	ug/L	92
55) Styrene	9.60	104	98011	5.431	ug/L	100
56) Isopropylbenzene	9.97	105	155280	5.501	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	23495	4.873	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	18238	5.338	ug/L	99
61) Bromoform	9.77	173	12080	4.850	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	68848	5.194	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	67016	5.074	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	64332	5.105	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3860	5.344	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	52348	5.264	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	38769	5.196	ug/L	99
69) Naphthalene	13.55	128	59680	5.229	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	35583	5.348	ug/L	98

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

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Instrument :
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ClientSampleId :
VSTD00555

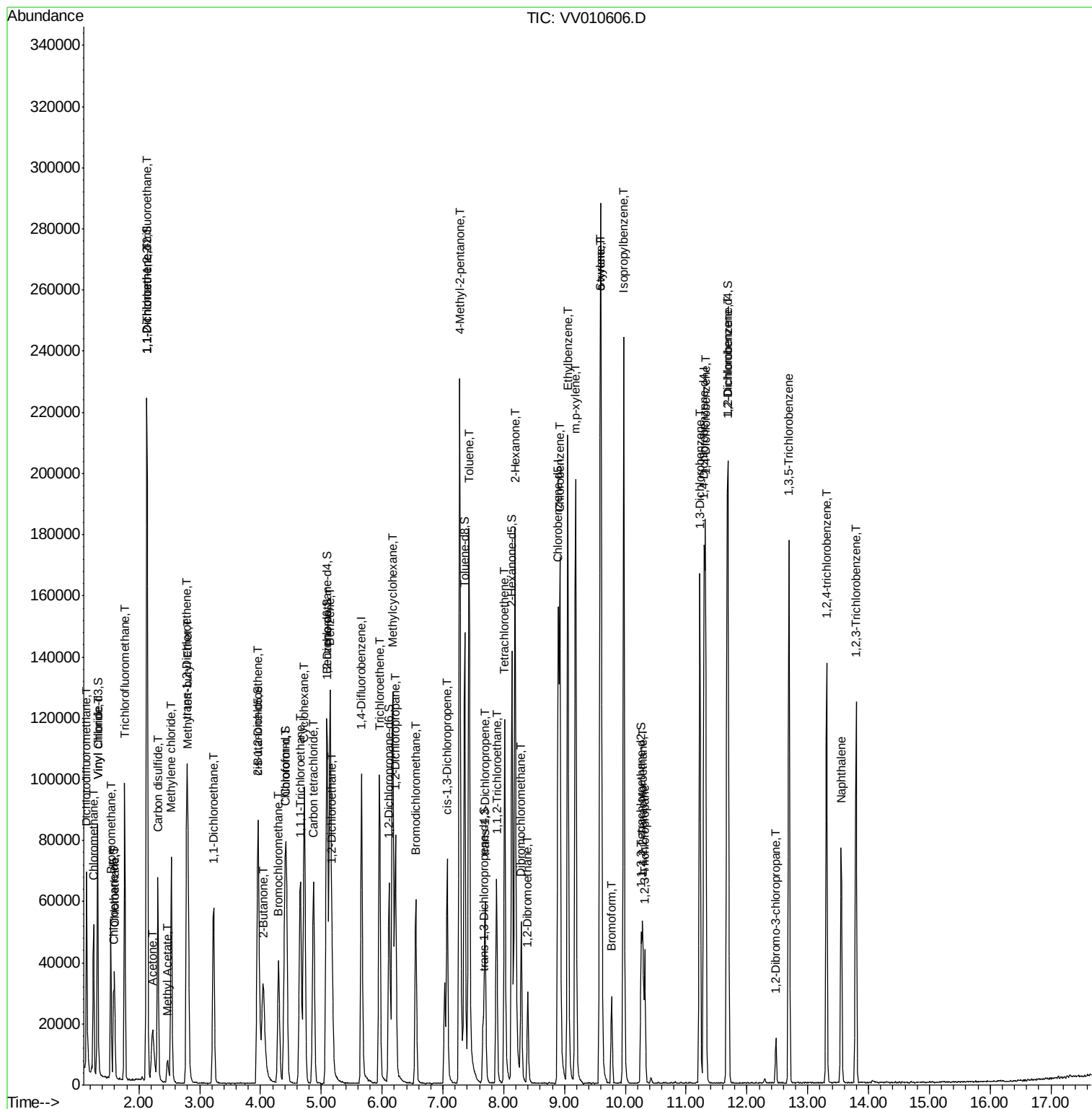
Quant Time: May 02 08:18:16 2019

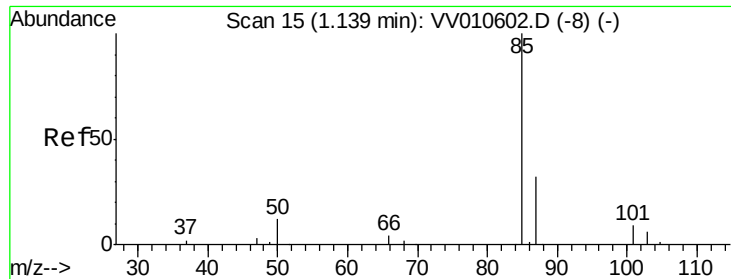
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050119WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 5.219 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

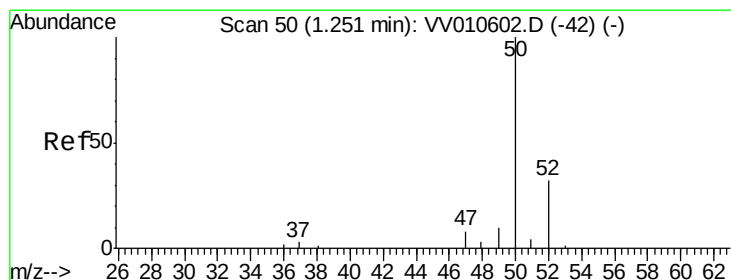
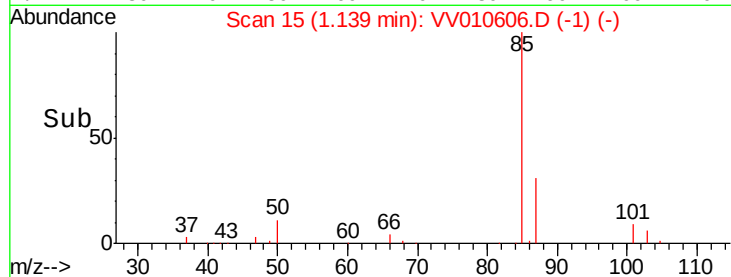
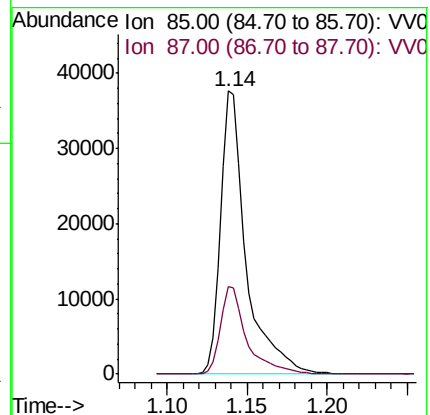
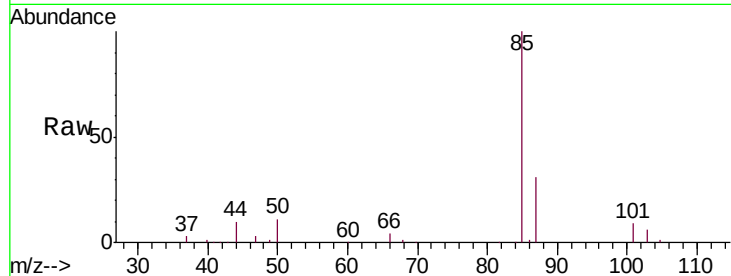
VSTD00555

Tgt Ion: 85 Resp: 41661

Ion Ratio Lower Upper

85 100

87 31.5 25.7 38.5



#3

Chloromethane

Concen: 5.010 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010606.D

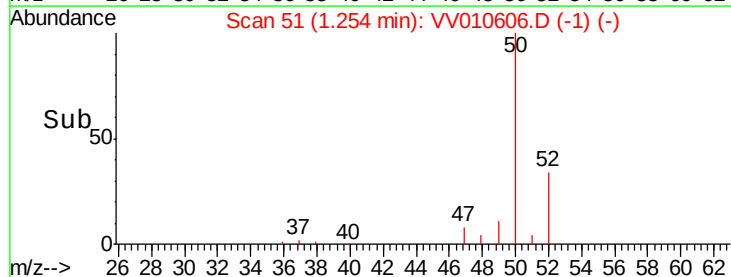
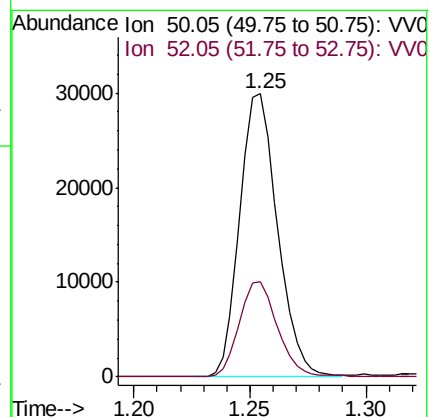
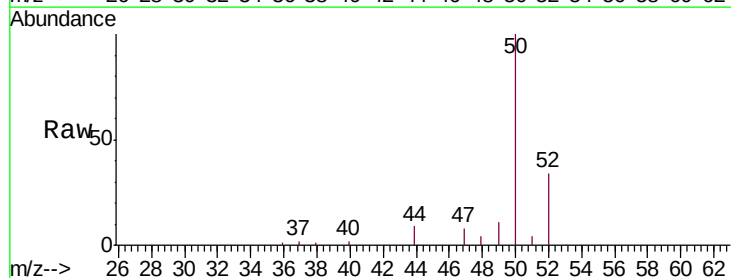
Acq: 01 May 2019 15:50

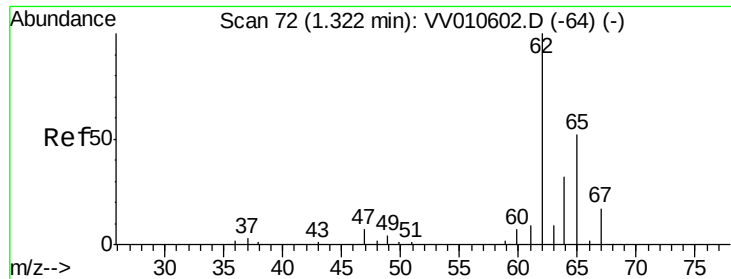
Tgt Ion: 50 Resp: 33972

Ion Ratio Lower Upper

50 100

52 33.6 22.0 41.0





#5

Vinyl chloride

Concen: 5.069 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

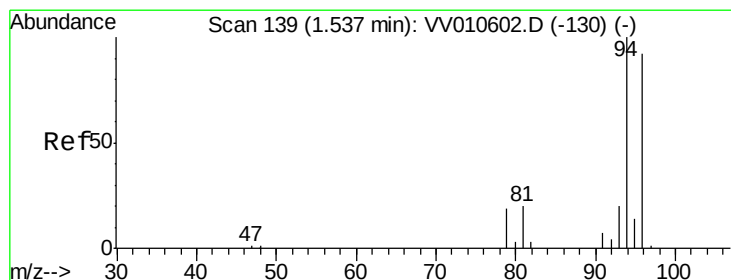
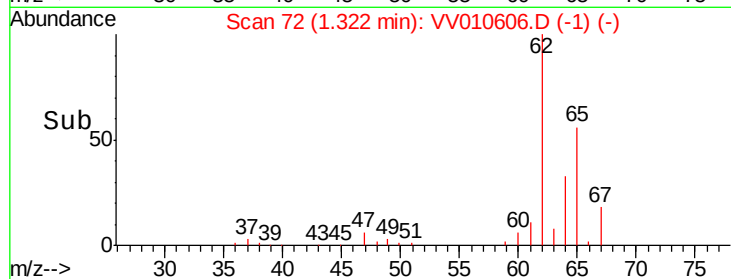
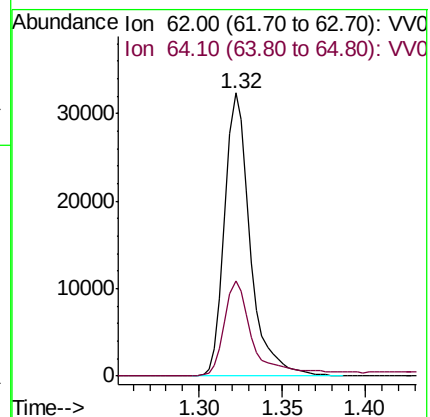
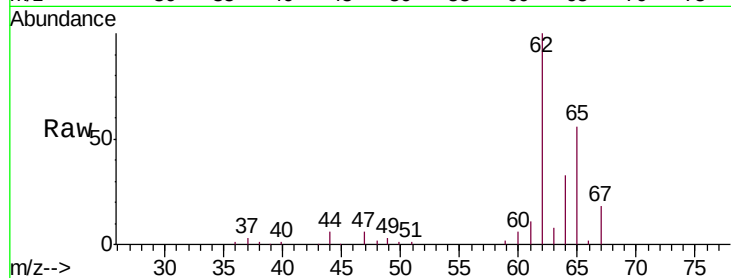
VSTD00555

Tgt Ion: 62 Resp: 34721

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#6

Bromomethane

Concen: 5.269 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010606.D

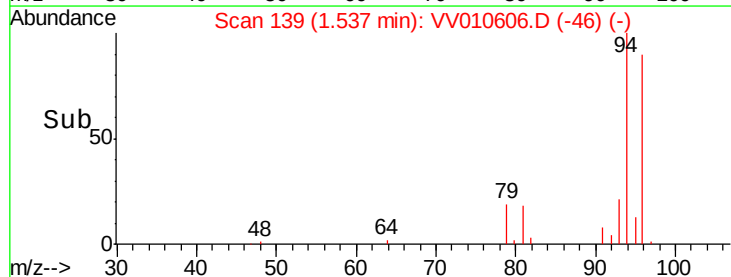
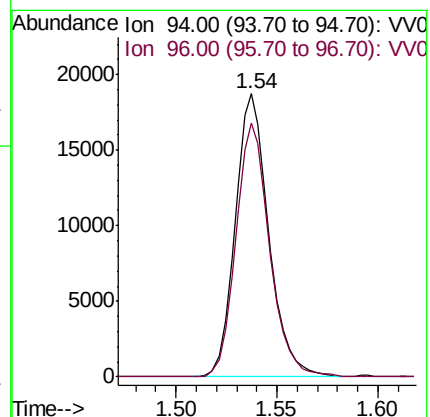
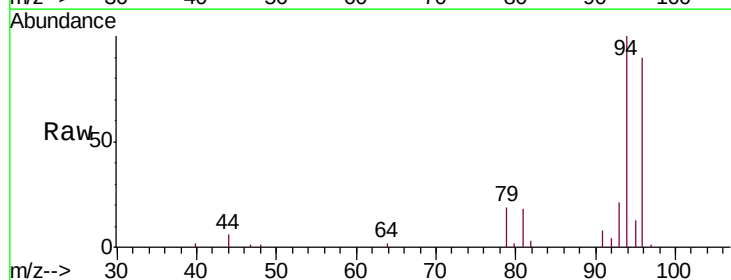
Acq: 01 May 2019 15:50

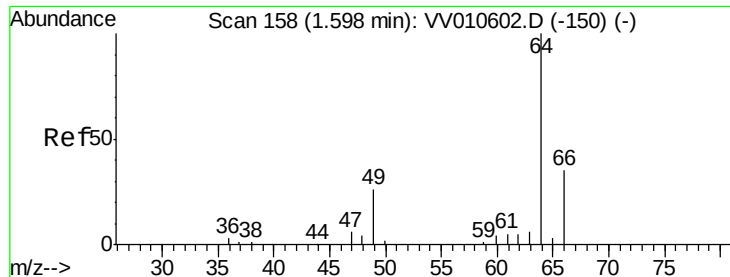
Tgt Ion: 94 Resp: 21733

Ion Ratio Lower Upper

94 100

96 89.5 64.5 119.7

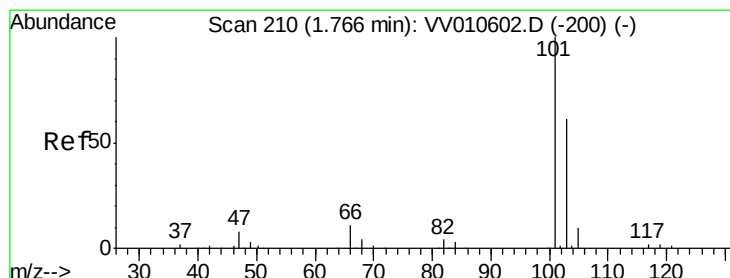
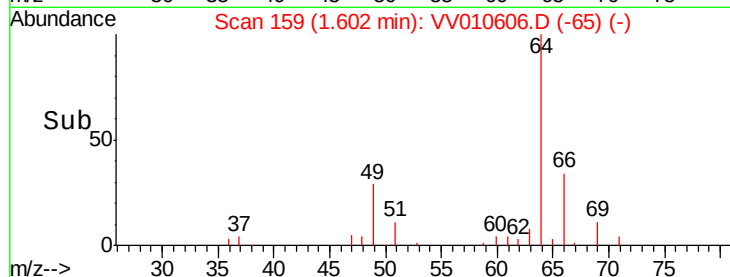
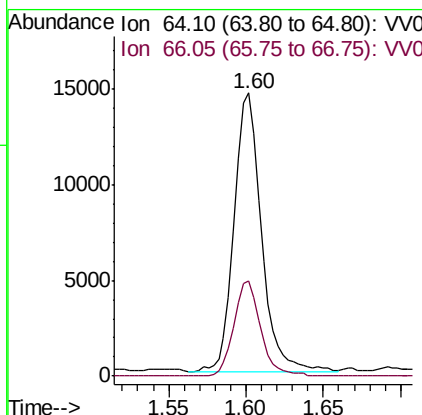
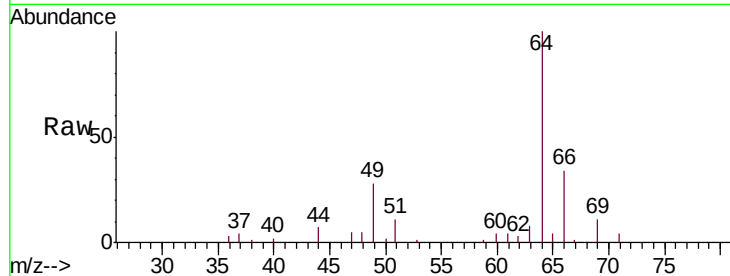




#8
 Chloroethane
 Concen: 5.886 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

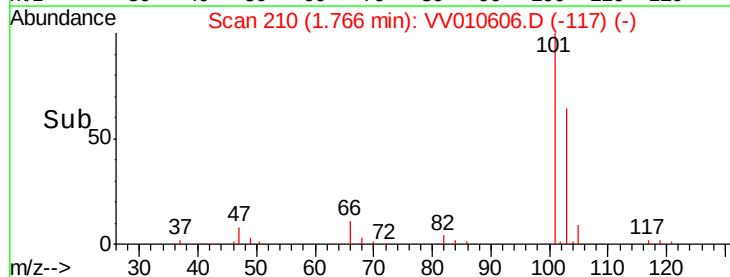
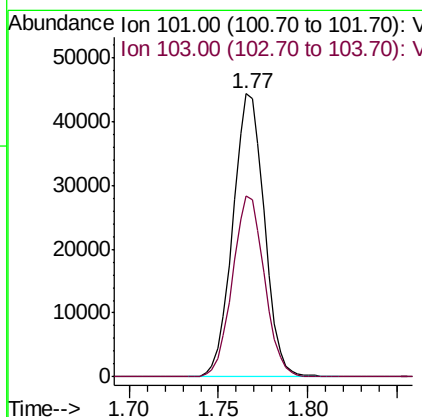
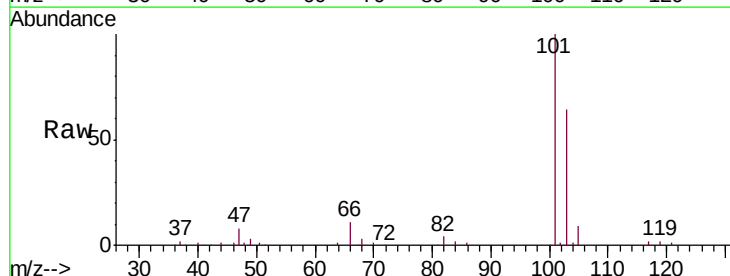
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

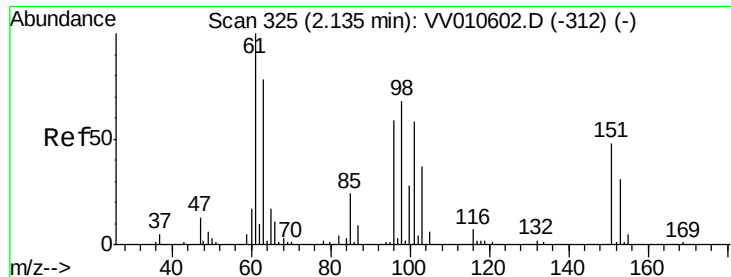
Tgt Ion: 64 Resp: 17666
 Ion Ratio Lower Upper
 64 100
 66 33.6 23.8 44.2



#9
 Trichlorofluoromethane
 Concen: 4.979 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 101 Resp: 54506
 Ion Ratio Lower Upper
 101 100
 103 64.7 49.5 74.3





#10

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

Concen: 5.381 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

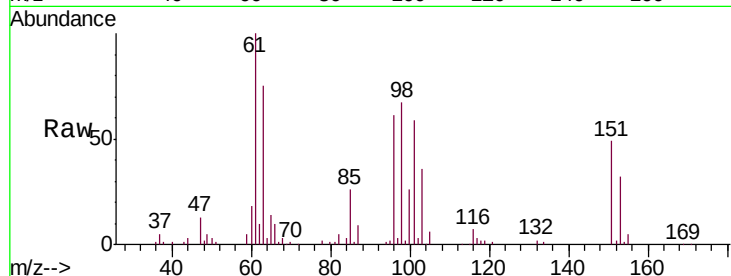
Tgt Ion: 101 Resp: 30969

Ion Ratio Lower Upper

101 100

85 43.5 33.7 50.5

151 82.0 65.2 97.8



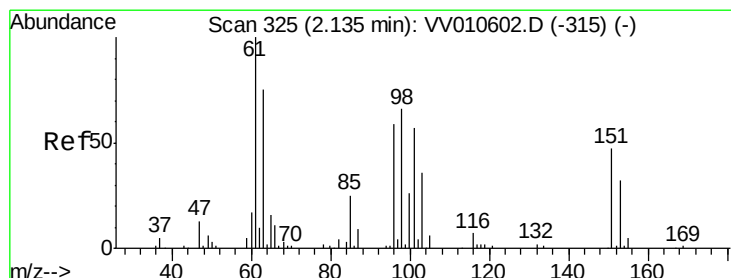
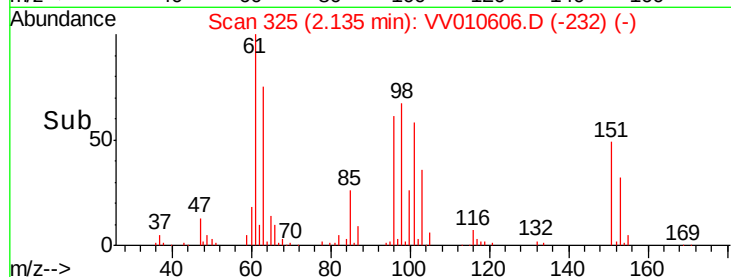
Abundance Ion 101.00 (100.70 to 101.70): VV010606.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV010606.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV010606.D (-232) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 5.069 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

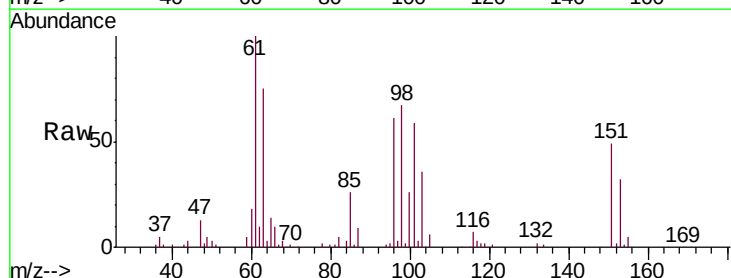
Tgt Ion: 96 Resp: 26508

Ion Ratio Lower Upper

96 100

61 164.9 118.7 220.5

63 123.5 93.2 173.0



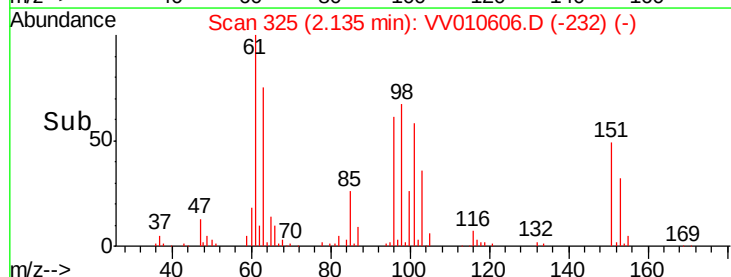
Abundance Ion 96.00 (95.70 to 96.70): VV010606.D (-232) (-)

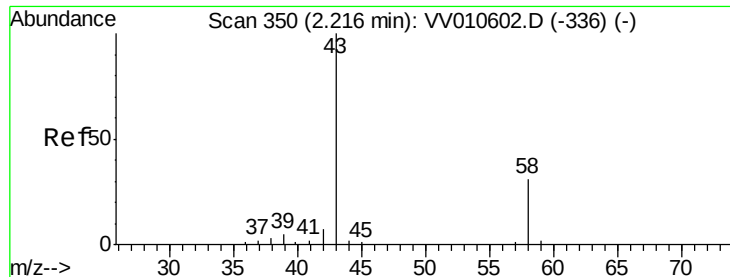
Ion 61.05 (60.75 to 61.75): VV010606.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV010606.D (-232) (-)

2.14

Time-->





#13

Acetone

Concen: 49.671 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

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MSVOA_V

ClientSampleId :

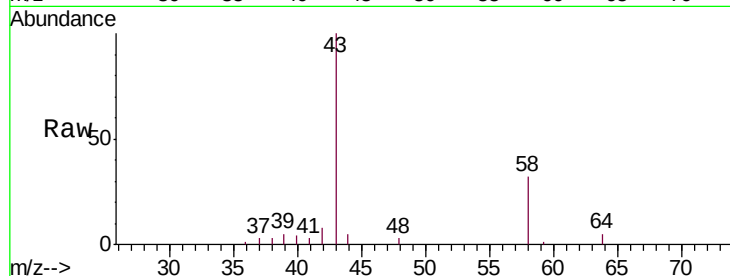
VSTD00555

Tgt Ion: 43 Resp: 35673

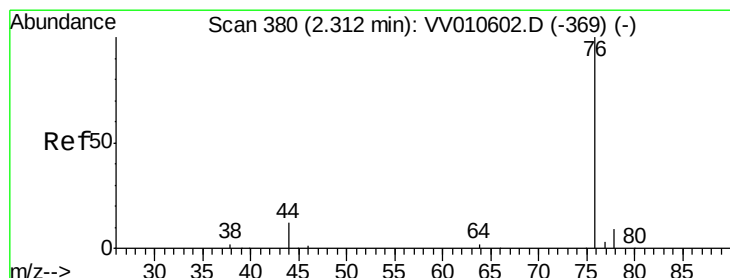
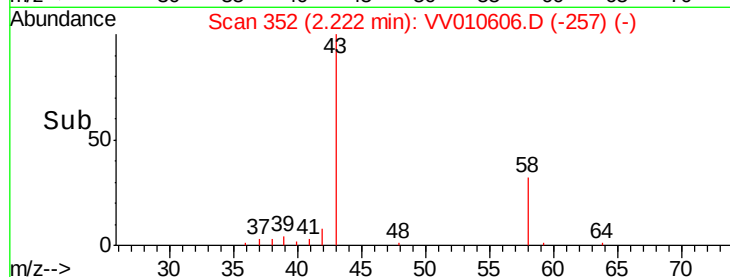
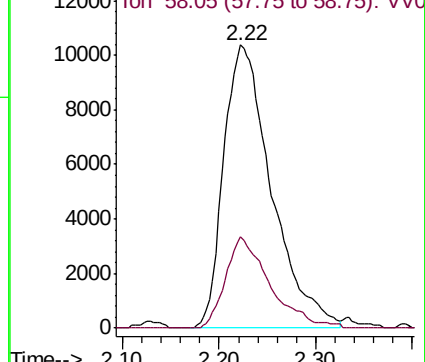
Ion Ratio Lower Upper

43 100

58 29.9 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010606.D (-257) (-)



#14

Carbon disulfide

Concen: 5.107 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010606.D

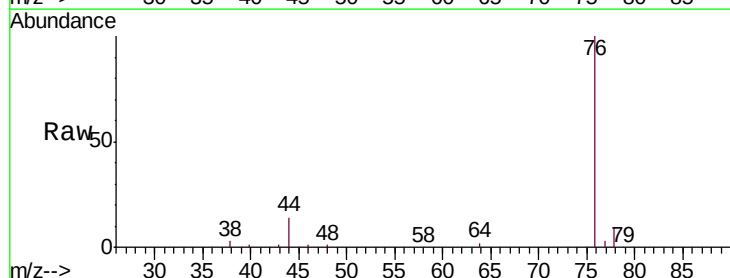
Acq: 01 May 2019 15:50

Tgt Ion: 76 Resp: 73080

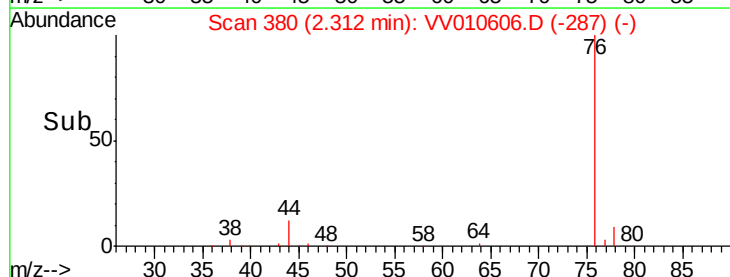
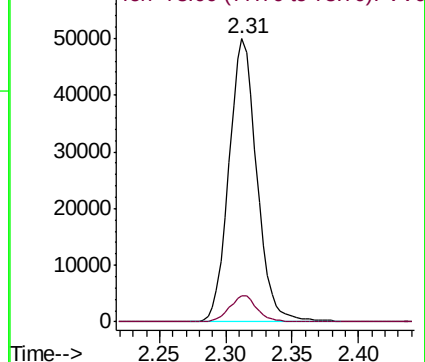
Ion Ratio Lower Upper

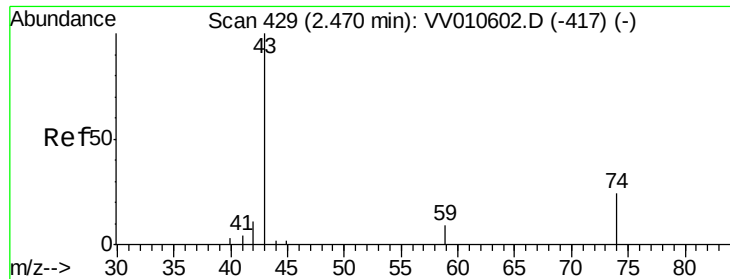
76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010606.D (-287) (-)





#15

Methyl Acetate

Concen: 5.198 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

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ClientSampleId :

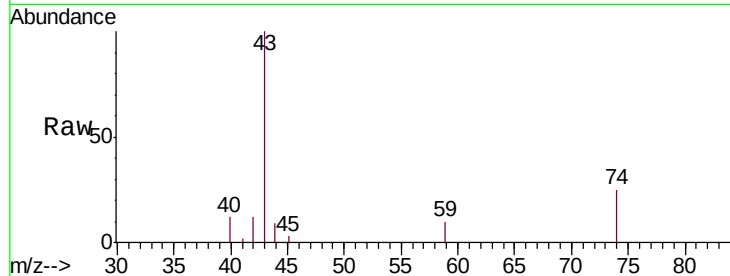
VSTD00555

Tgt Ion: 43 Resp: 11549

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3

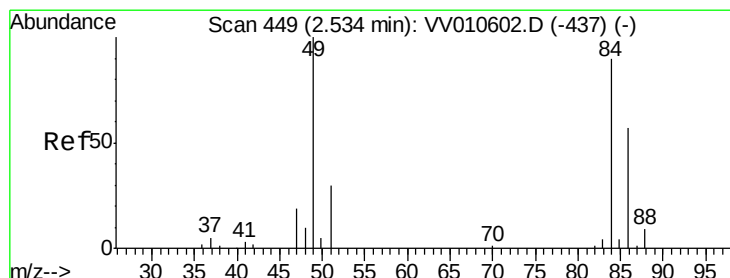
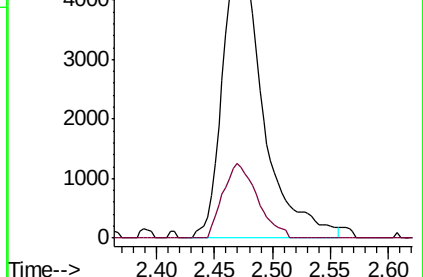
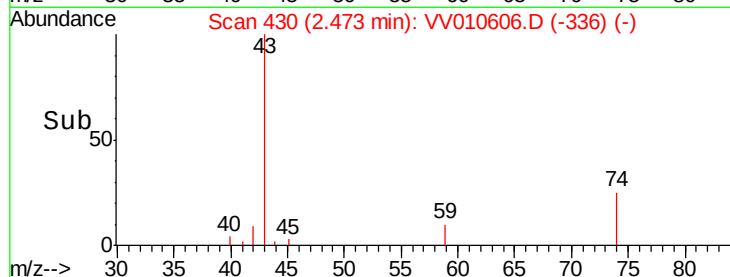


Abundance Ion 43.05 (42.75 to 43.75): VV010606.D (-336) (-)

Ion 74.05 (73.75 to 74.75): VV010606.D (-336) (-)

2.47

Time-->



#16

Methylene chloride

Concen: 4.947 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

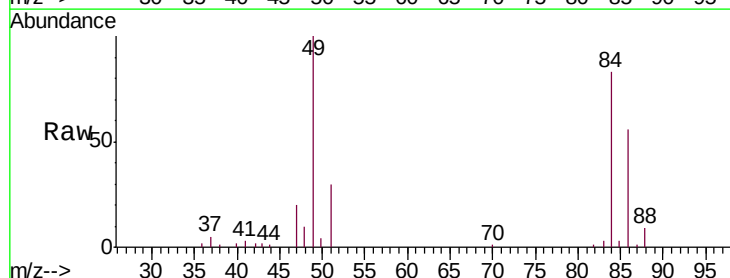
Tgt Ion: 84 Resp: 30887

Ion Ratio Lower Upper

84 100

86 67.6 44.2 82.0

49 120.3 77.8 144.6



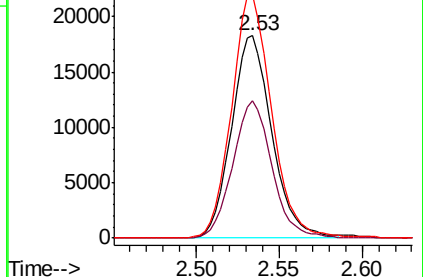
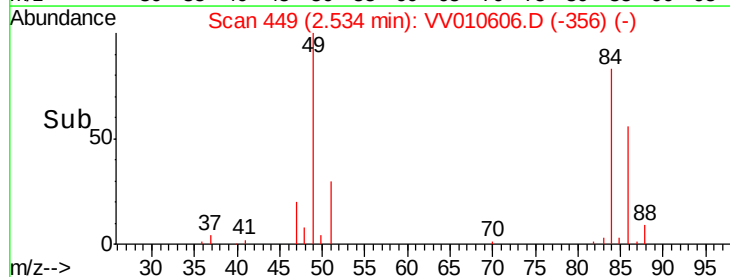
Abundance Ion 84.05 (83.75 to 84.75): VV010606.D (-356) (-)

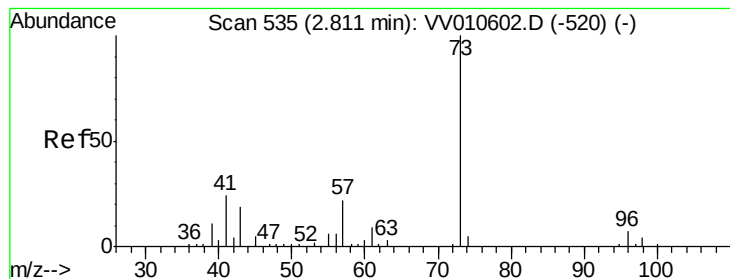
Ion 86.00 (85.70 to 86.70): VV010606.D (-356) (-)

Ion 49.10 (48.80 to 49.80): VV010606.D (-356) (-)

2.53

Time-->





#17

Methyl tert-butyl Ether

Concen: 5.179 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

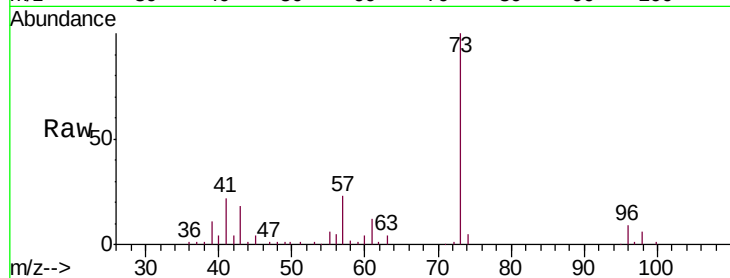
Tgt Ion: 73 Resp: 64312

Ion Ratio Lower Upper

73 100

43 19.5 16.1 24.1

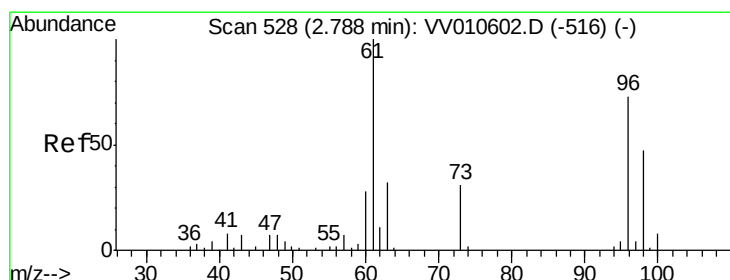
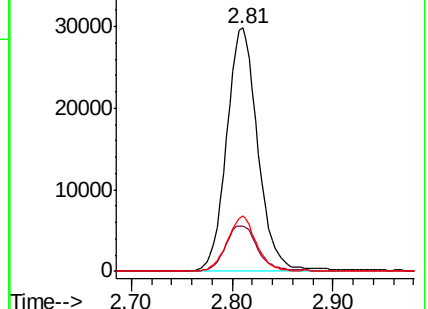
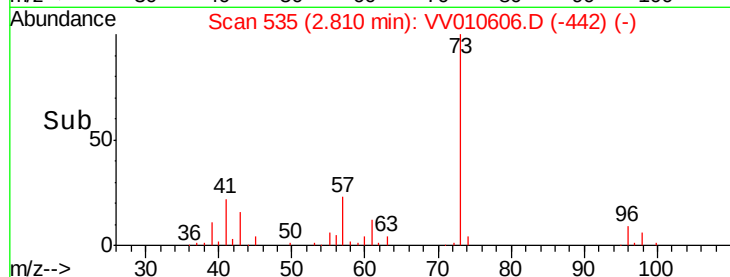
57 21.1 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV010606.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV010606.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV010606.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.217 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

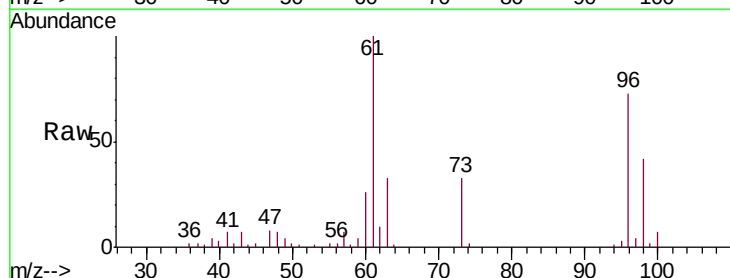
Tgt Ion: 96 Resp: 31249

Ion Ratio Lower Upper

96 100

61 136.8 96.2 178.6

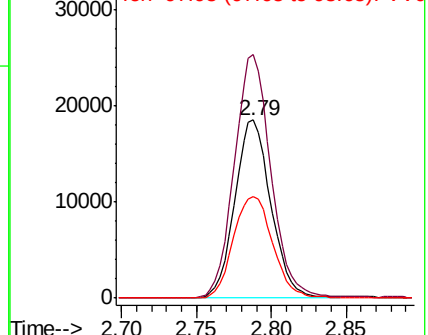
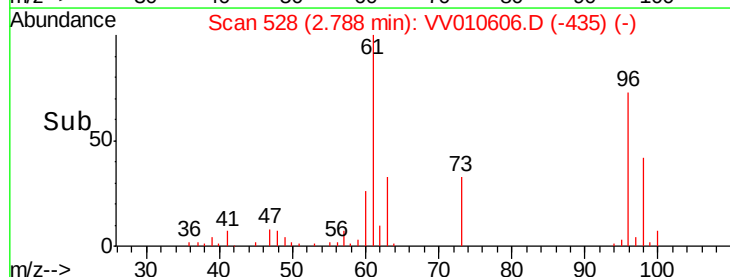
98 57.2 44.9 83.3

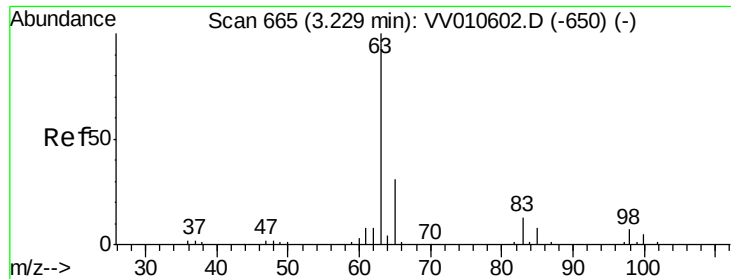


Abundance Ion 96.00 (95.70 to 96.70): VV010606.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV010606.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV010606.D (-435) (-)

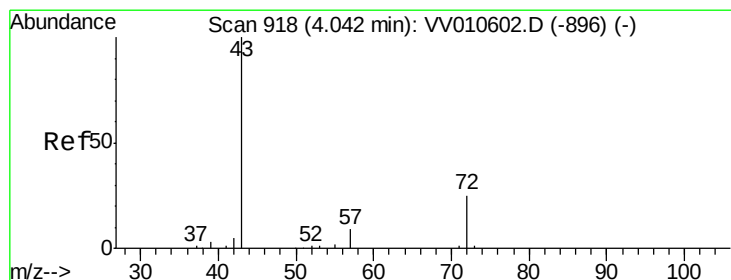
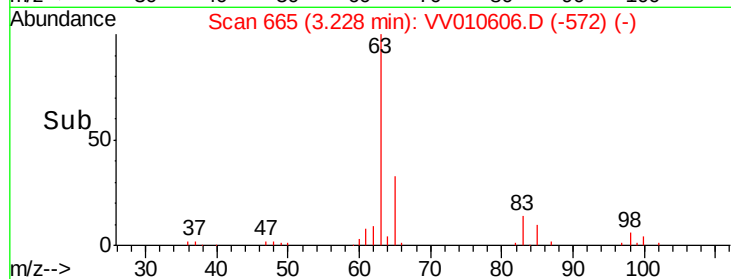
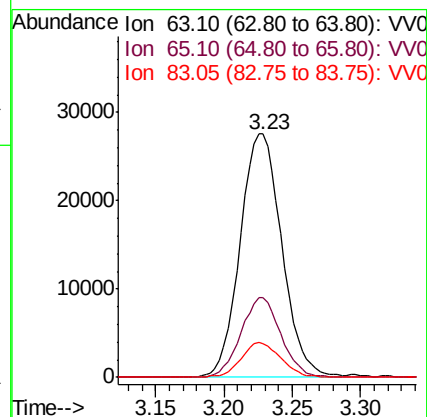
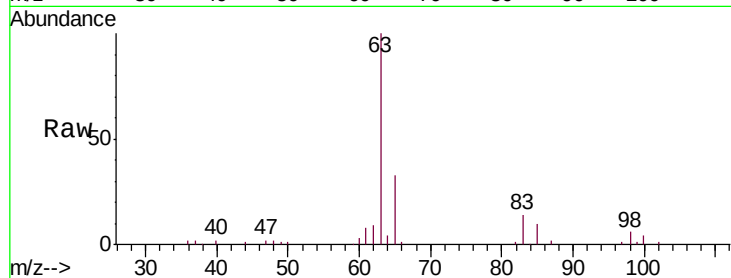




#19
 1,1-Dichloroethane
 Concen: 5.332 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

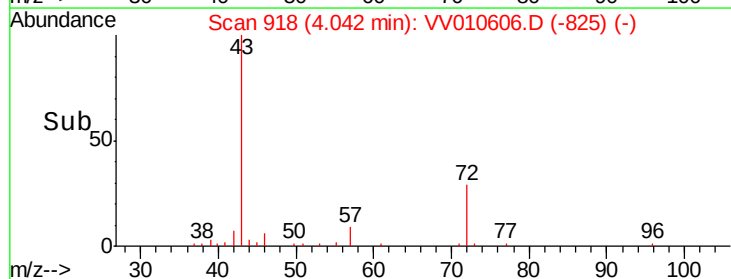
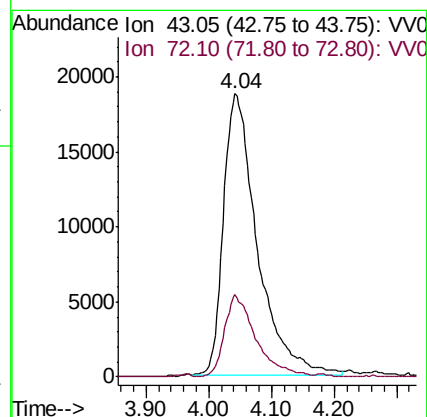
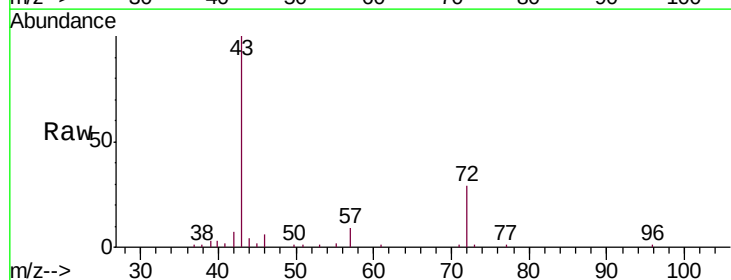
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

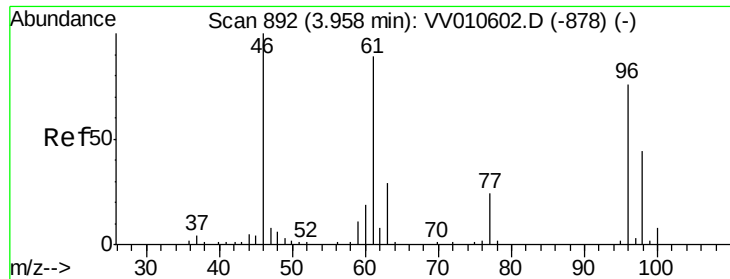
Tgt Ion: 63 Resp: 58488
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.3 39.6
 83 13.8 9.0 16.6



#21
 2-Butanone
 Concen: 57.101 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 43 Resp: 69698
 Ion Ratio Lower Upper
 43 100
 72 27.0 13.8 41.3



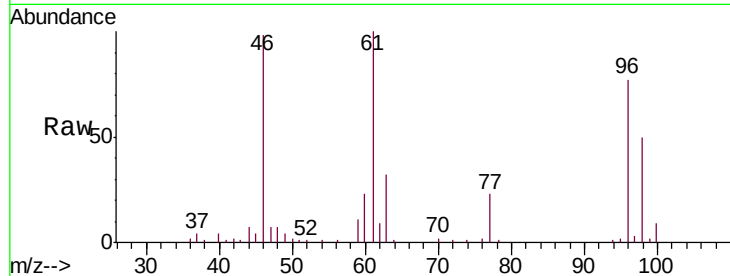


#22

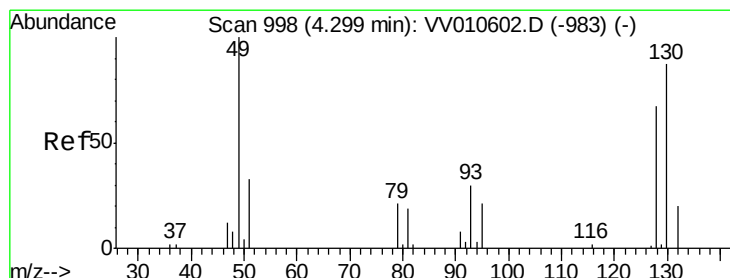
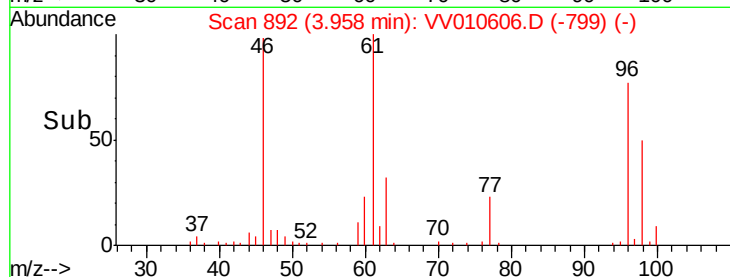
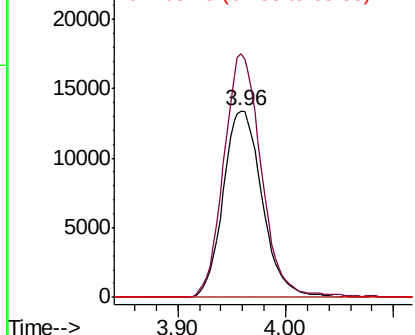
cis-1,2-Dichloroethene
Concen: 5.231 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion: 96 Resp: 33637
Ion Ratio Lower Upper
96 100
61 130.5 82.3 152.9
68 0.0 0.0 0.0



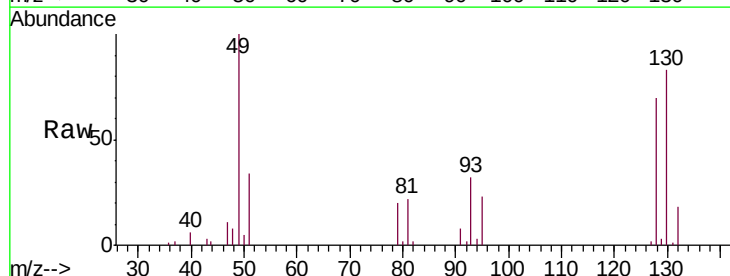
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



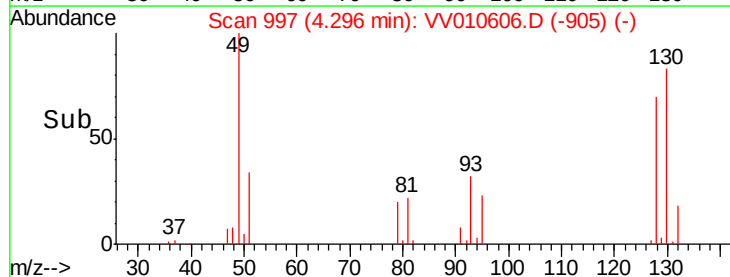
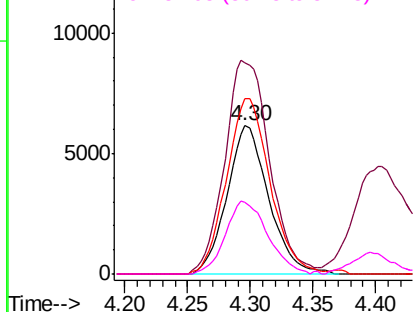
#23

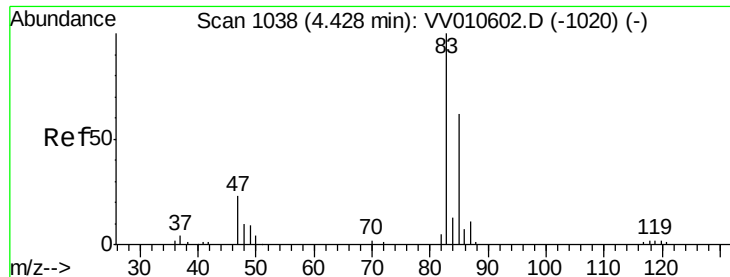
Bromochloromethane
Concen: 5.225 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Tgt Ion: 128 Resp: 14227
Ion Ratio Lower Upper
128 100
49 142.6 104.4 193.8
130 117.9 90.4 167.8
51 48.4 39.9 59.9



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

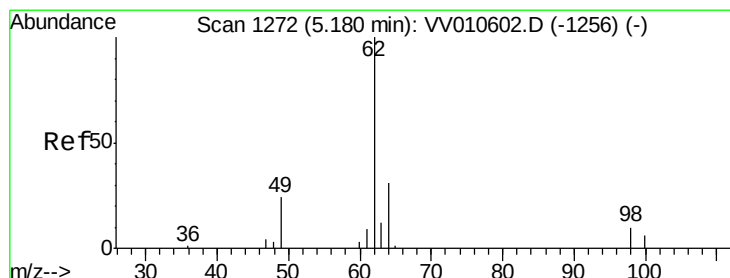
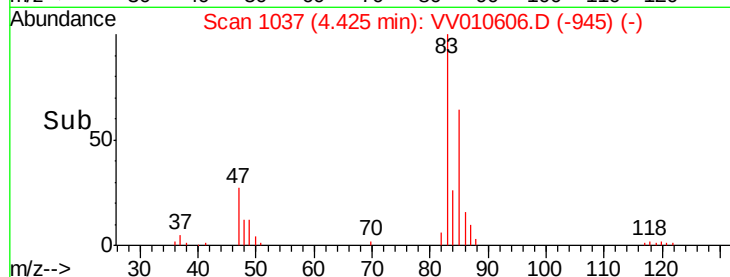
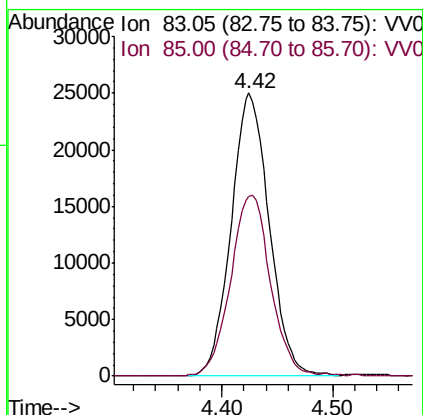
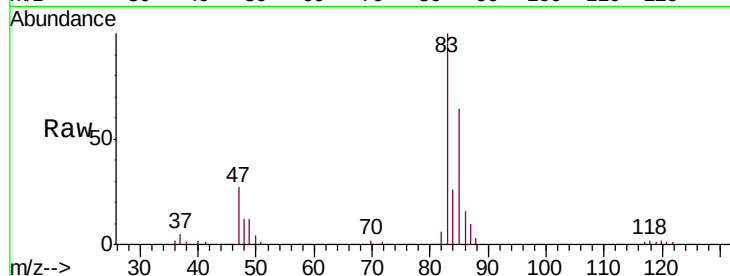




#25
 Chloroform
 Concen: 5.111 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

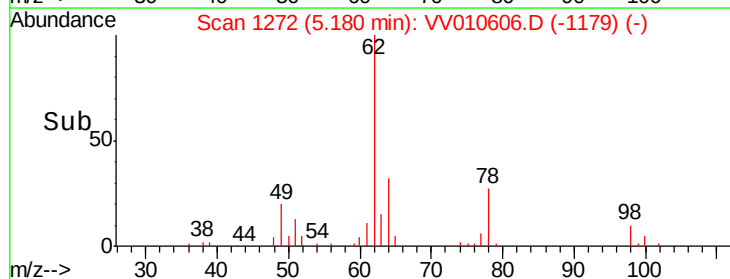
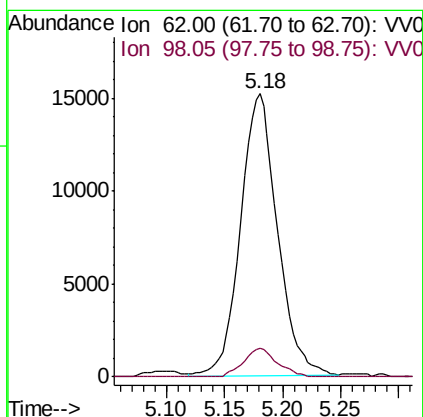
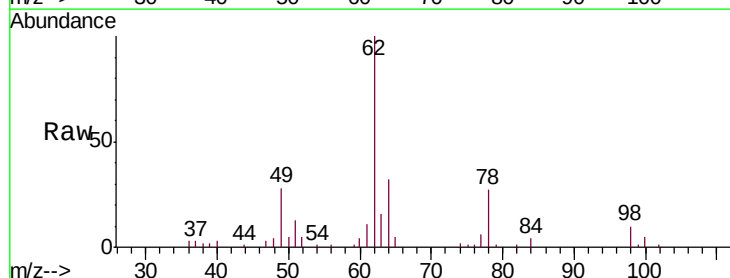
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

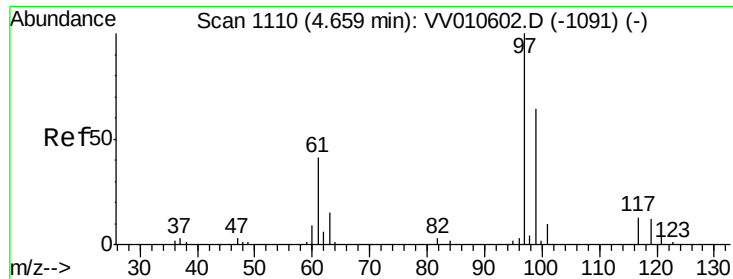
Tgt Ion: 83 Resp: 59914
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.7 81.1



#27
 1,2-Dichloroethane
 Concen: 5.003 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 62 Resp: 33589
 Ion Ratio Lower Upper
 62 100
 98 10.0 7.7 11.5

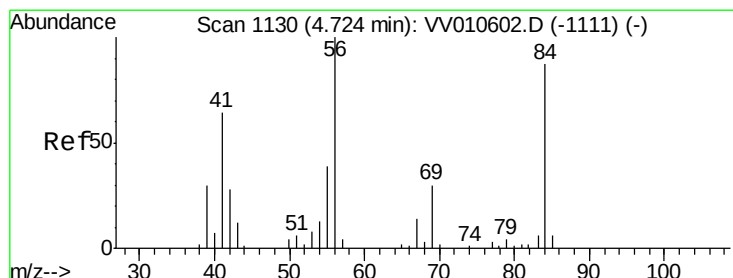
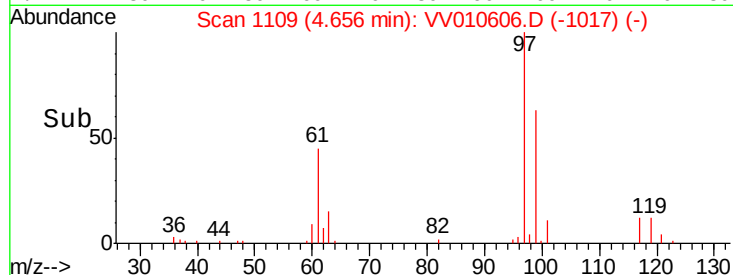
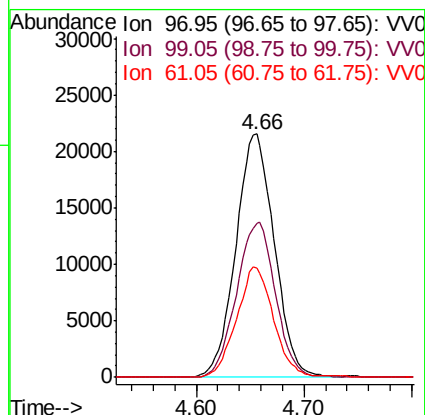
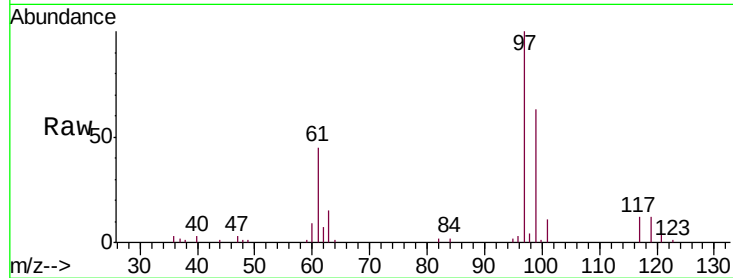




#29
 1,1,1-Trichloroethane
 Concen: 5.233 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

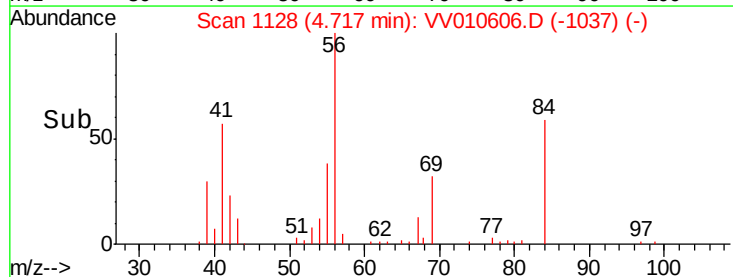
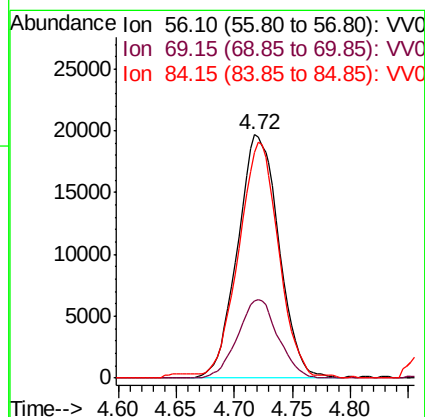
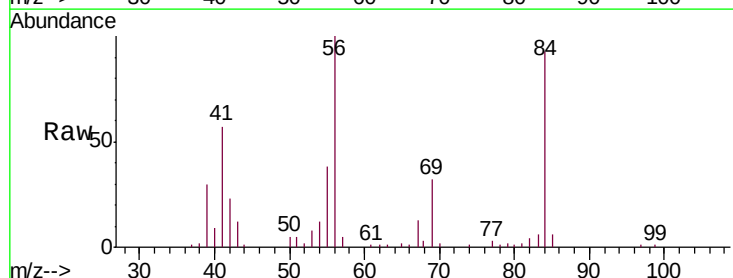
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

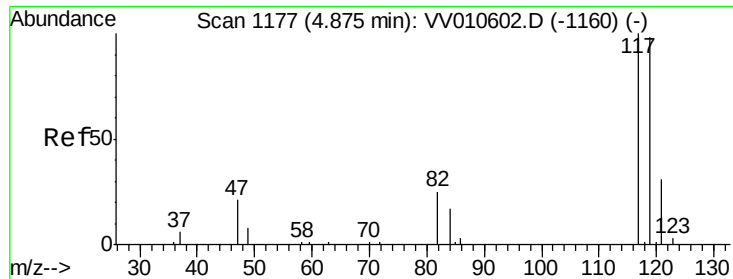
Tgt Ion: 97 Resp: 53617
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.4 77.0
 61 43.3 34.6 52.0



#30
 Cyclohexane
 Concen: 5.064 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 56 Resp: 48830
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.7 37.1
 84 91.4 71.4 107.2





#31

Carbon tetrachloride

Concen: 5.263 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

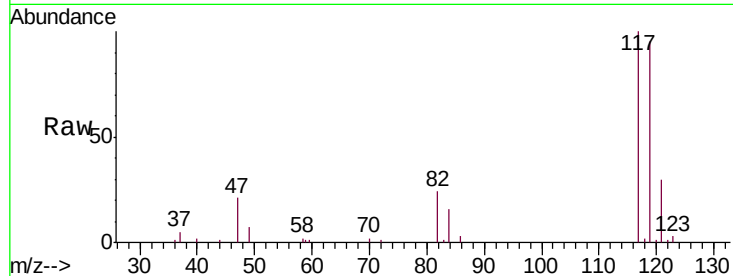
VSTD00555

Tgt Ion:117 Resp: 48258

Ion Ratio Lower Upper

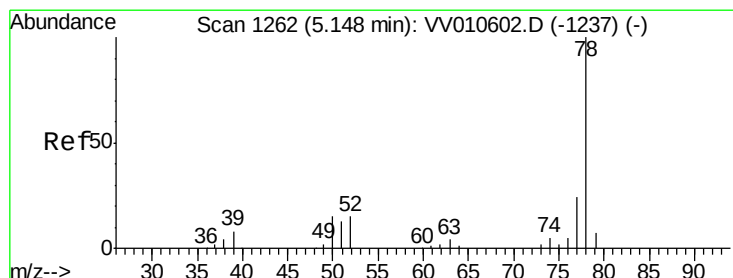
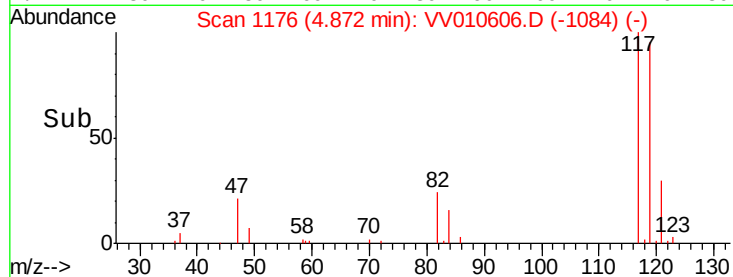
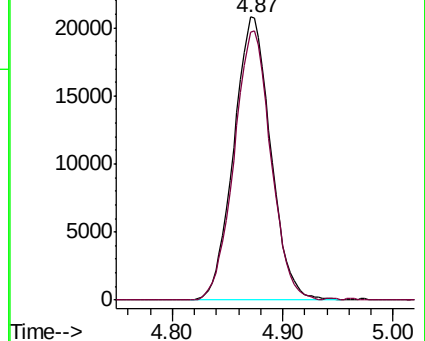
117 100

119 94.4 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.161 ug/L

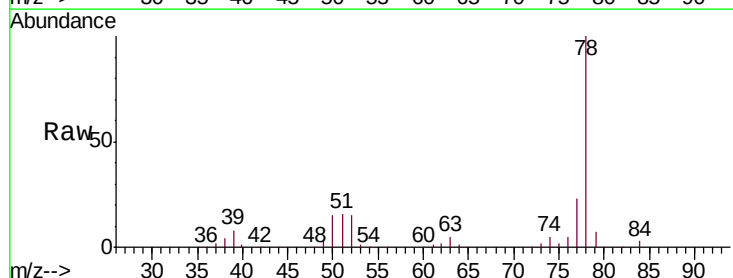
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

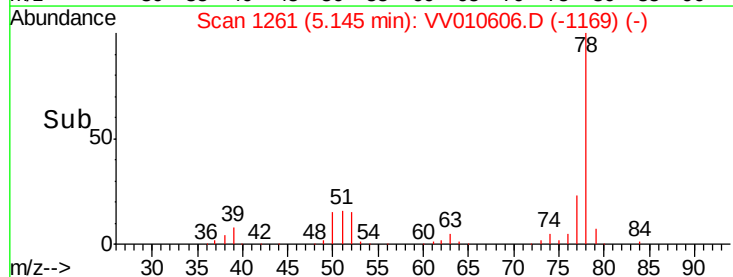
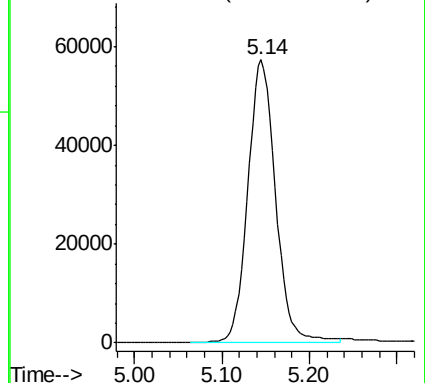
Lab File: VV010606.D

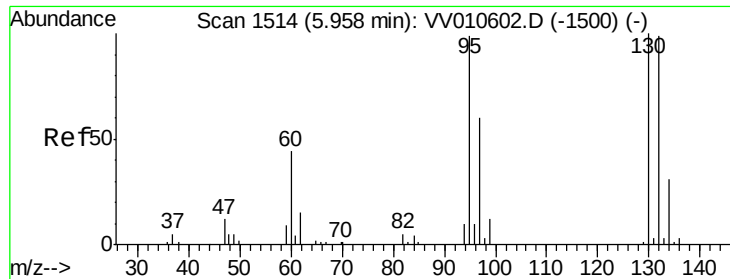
Acq: 01 May 2019 15:50

Tgt Ion: 78 Resp: 126875



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.201 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 36004

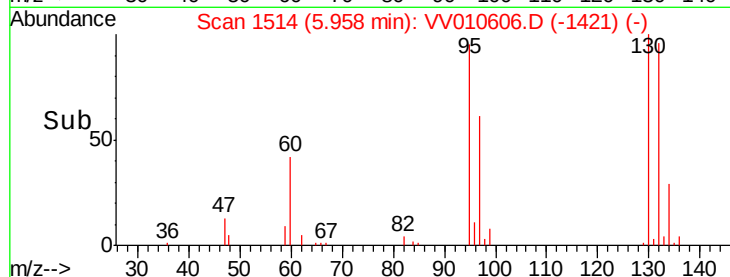
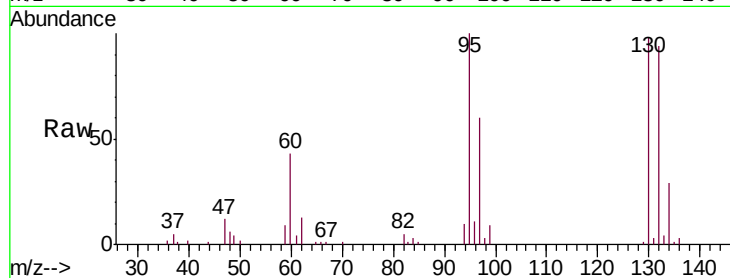
Ion Ratio Lower Upper

95 100

97 60.0 42.4 78.6

132 94.0 69.3 128.7

130 98.3 70.3 130.7



Abundance Ion 95.00 (94.70 to 95.70): VV010606.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV010606.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV010606.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV010606.D (-1421) (-)

Time-->

5.96

20000

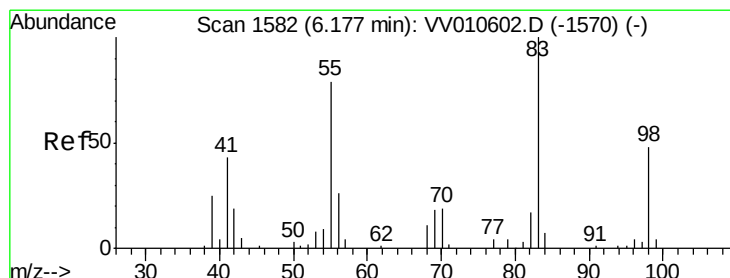
15000

10000

5000

0

5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 5.238 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

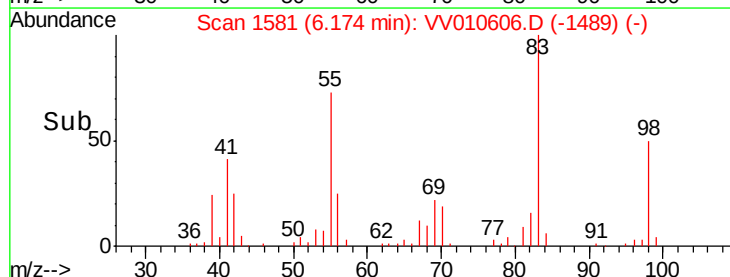
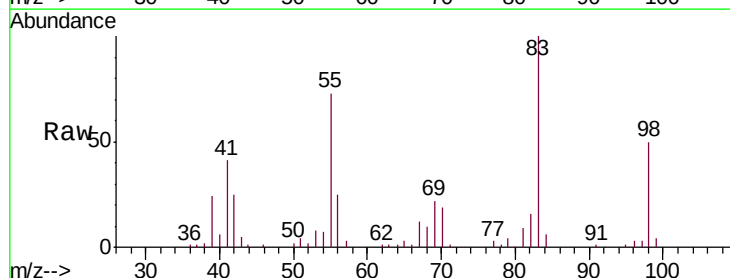
Tgt Ion: 83 Resp: 52529

Ion Ratio Lower Upper

83 100

55 74.0 63.4 95.0

98 48.3 38.7 58.1



Abundance Ion 83.15 (82.85 to 83.85): VV010606.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV010606.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV010606.D (-1489) (-)

Time-->

6.17

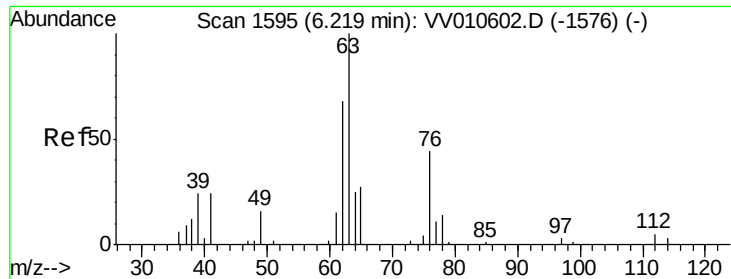
30000

20000

10000

0

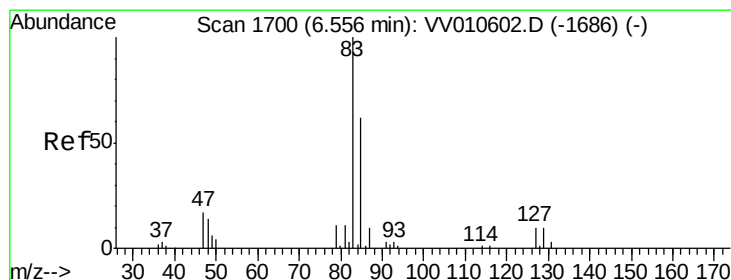
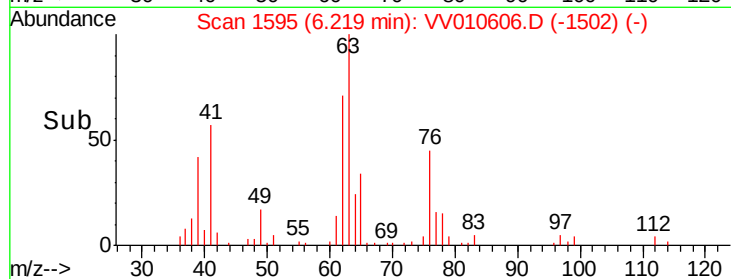
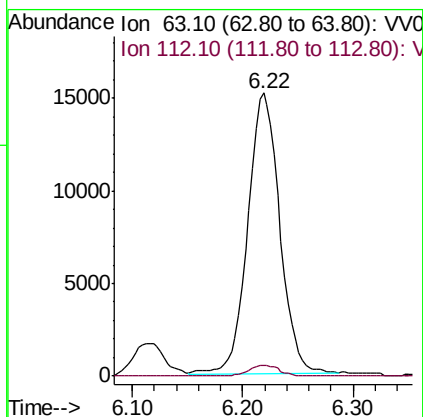
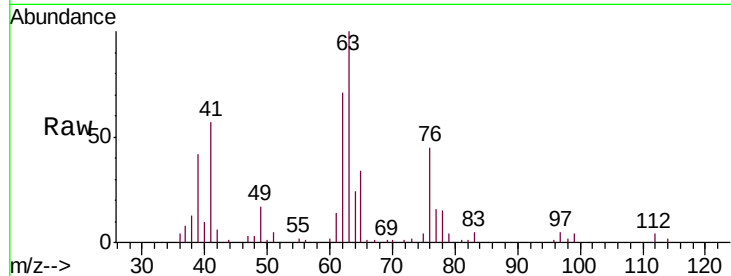
6.10 6.15 6.20 6.25



#37
 1,2-Dichloropropane
 Concen: 5.071 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

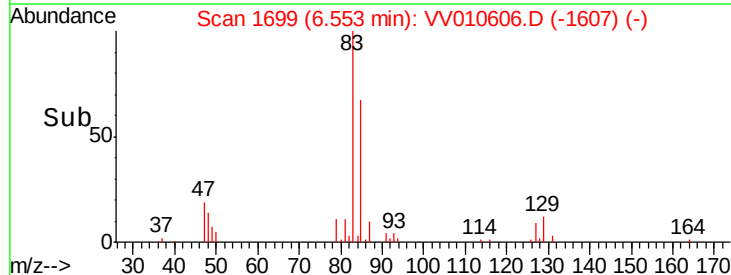
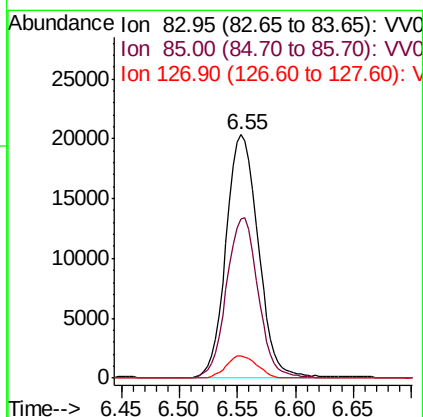
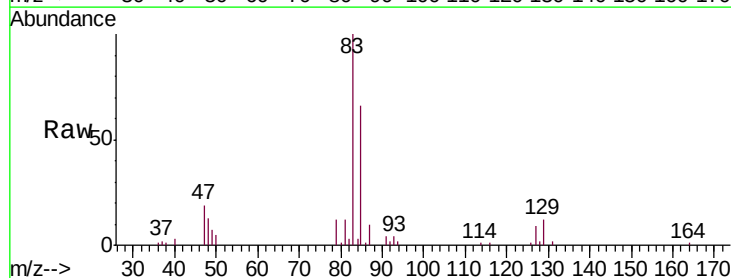
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

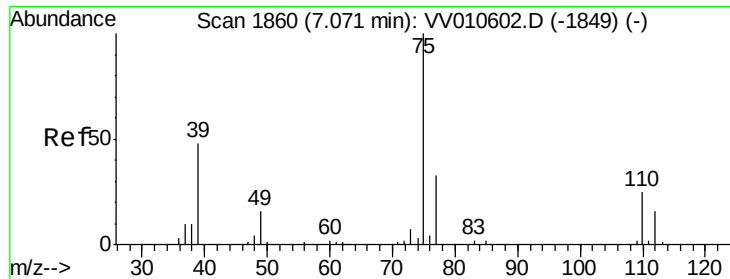
Tgt Ion: 63 Resp: 30465
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.150 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 83 Resp: 39454
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.3 80.3
 127 9.2 7.8 11.6

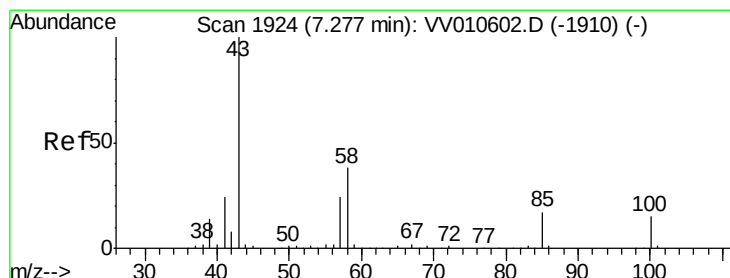
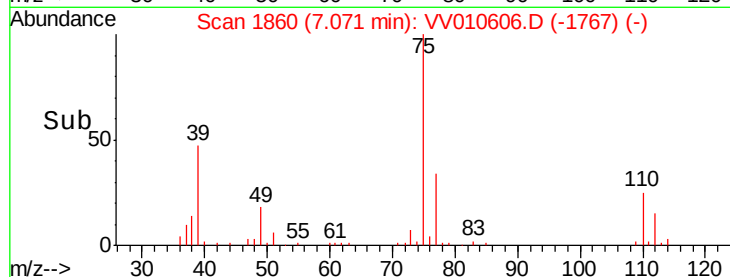
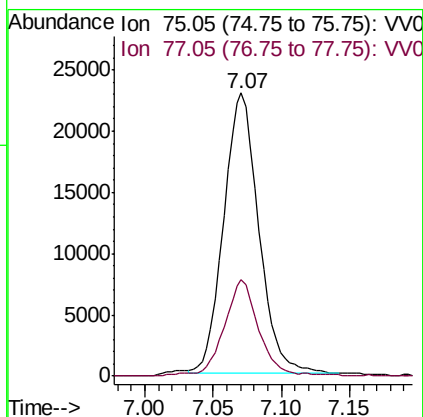
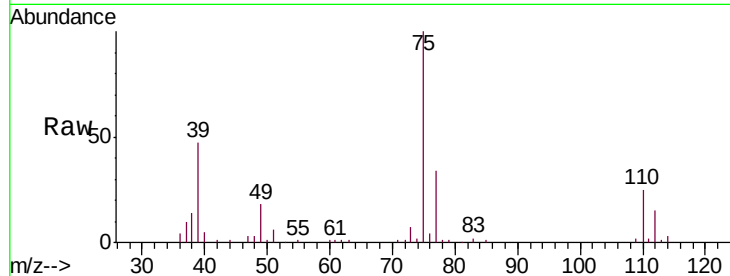




#39
 cis-1,3-Dichloropropene
 Concen: 4.995 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

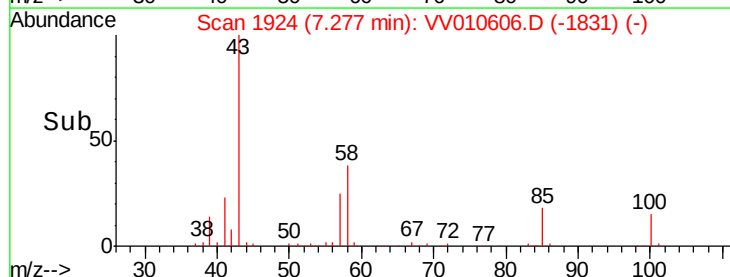
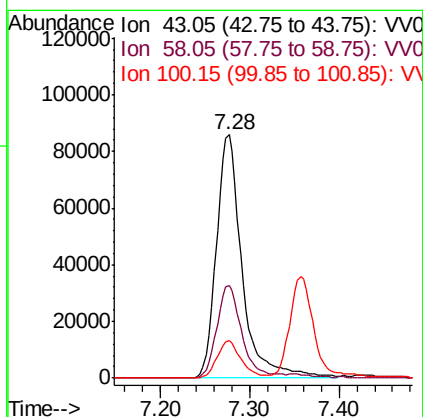
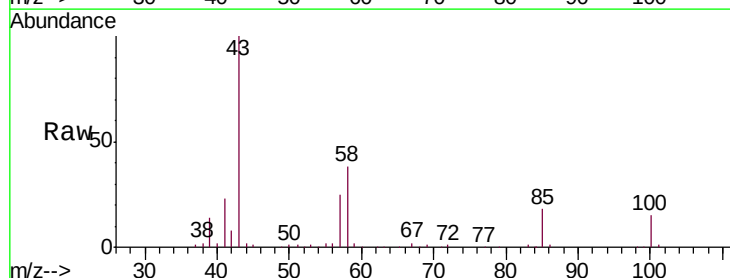
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00555

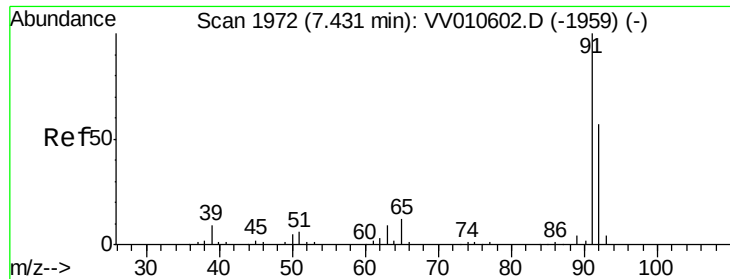
Tgt Ion: 75 Resp: 40671
 Ion Ratio Lower Upper
 75 100
 77 34.3 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 52.110 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 43 Resp: 171869
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.5 45.7
 100 14.3 10.8 16.2





#42

Toluene

Concen: 5.158 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

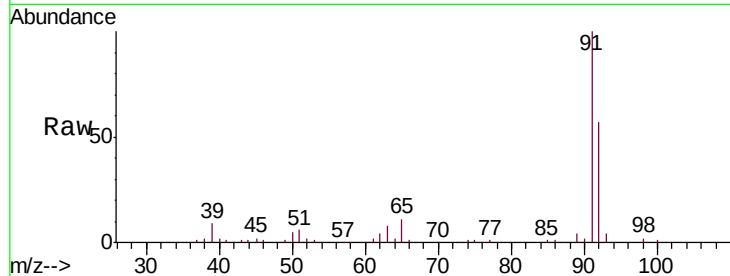
VSTD00555

Tgt Ion: 91 Resp: 141851

Ion Ratio Lower Upper

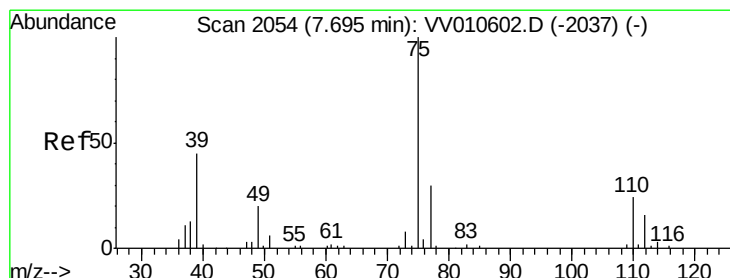
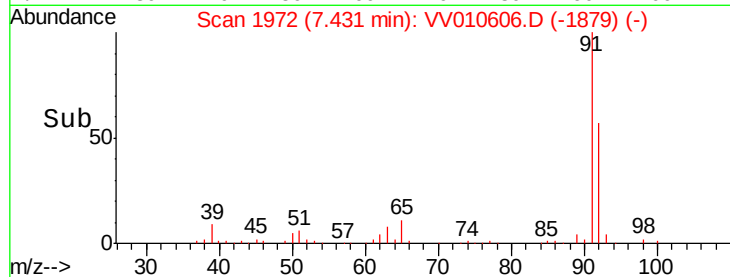
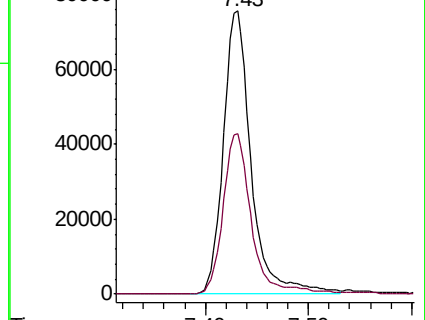
91 100

92 56.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV010606.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV010606.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.194 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010606.D

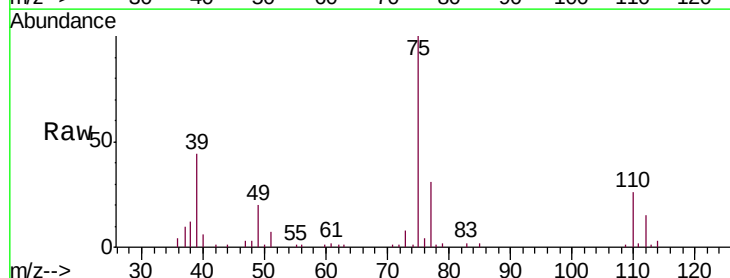
Acq: 01 May 2019 15:50

Tgt Ion: 75 Resp: 32986

Ion Ratio Lower Upper

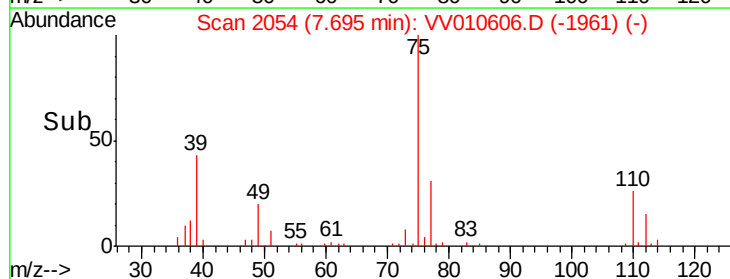
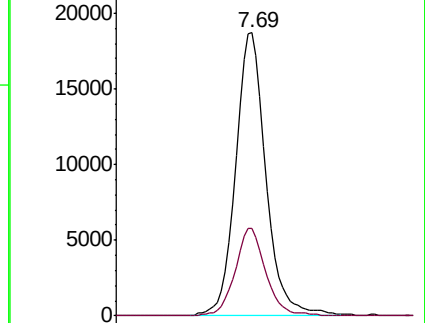
75 100

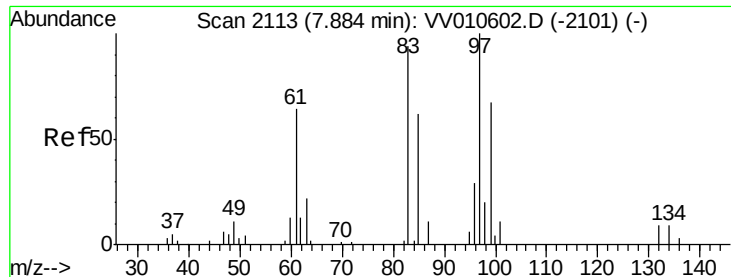
77 30.8 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV010606.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010606.D (-1961) (-)





#45

1,1,2-Trichloroethane

Concen: 5.068 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion: 97 Resp: 21634

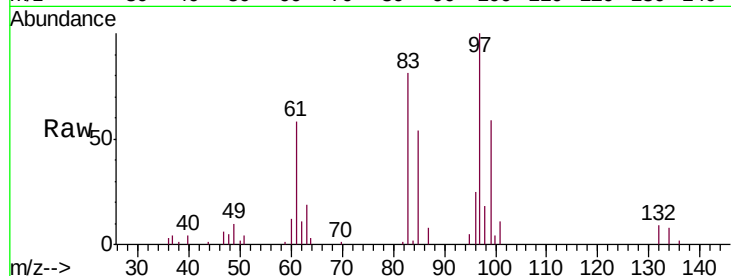
Ion Ratio Lower Upper

97 100

99 58.9 47.1 87.5

83 80.8 65.9 122.5

85 54.1 43.2 80.2

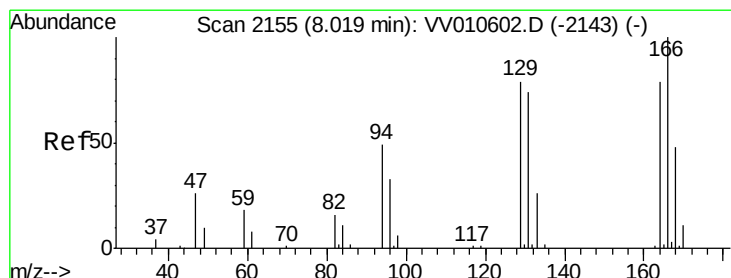
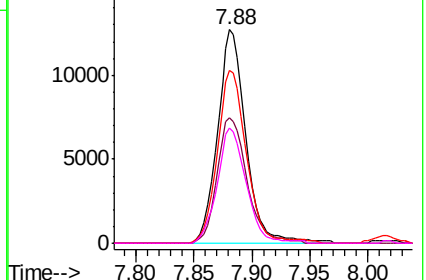
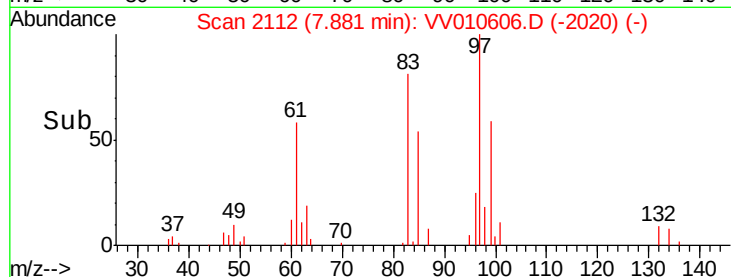


Abundance Ion 96.95 (96.65 to 97.65): VV010606.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV010606.D (-2020) (-)

Ion 82.95 (82.65 to 83.65): VV010606.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV010606.D (-2020) (-)



#47

Tetrachloroethene

Concen: 4.825 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Tgt Ion: 164 Resp: 26365

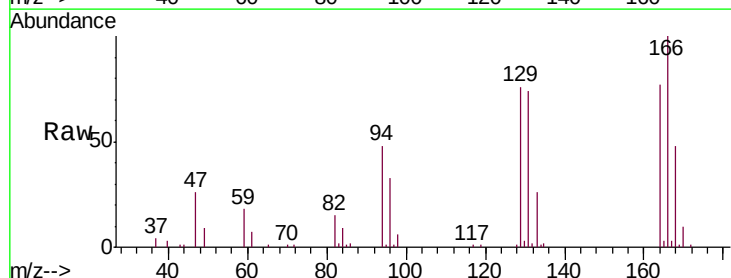
Ion Ratio Lower Upper

164 100

129 98.7 69.9 129.7

131 95.4 65.6 121.8

166 129.4 88.9 165.1

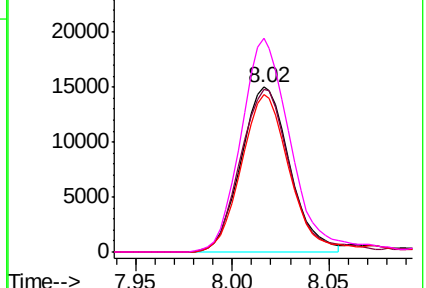
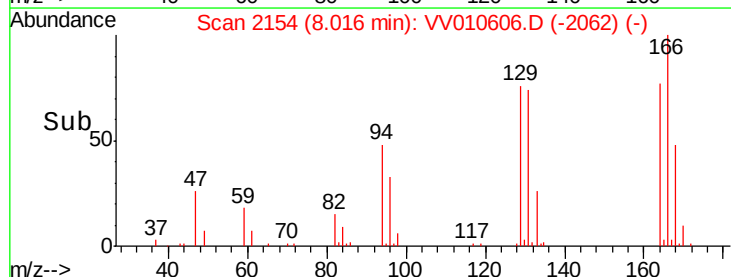


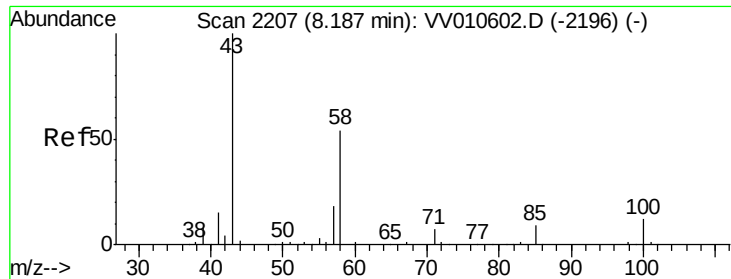
Abundance Ion 163.90 (163.60 to 164.60): VV010606.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV010606.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV010606.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV010606.D (-2062) (-)

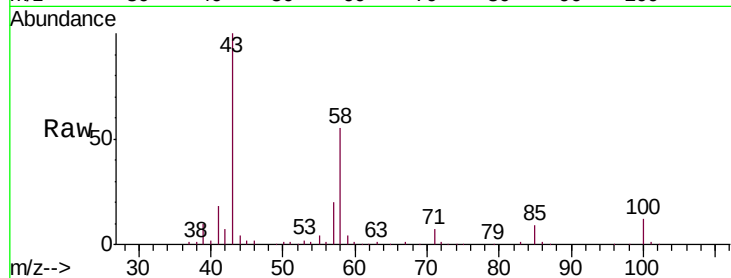




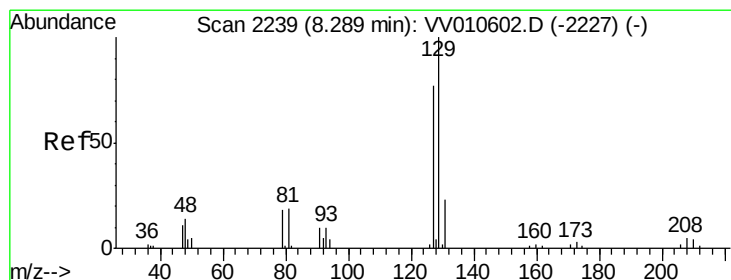
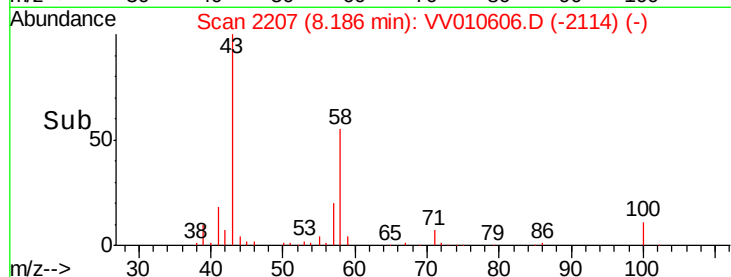
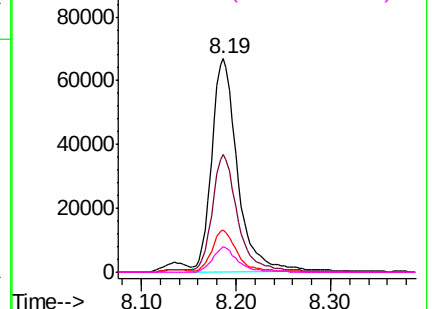
#48
2-Hexanone
Concen: 53.484 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion: 43 Resp: 126533
Ion Ratio Lower Upper
43 100
58 54.1 42.9 64.3
57 19.3 13.9 20.9
100 11.7 9.3 13.9

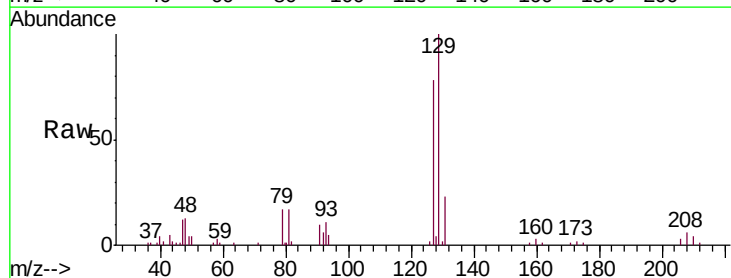


Abundance Ion 43.05 (42.75 to 43.75): VV010606.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV010606.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV010606.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV010606.D (-2114) (-)

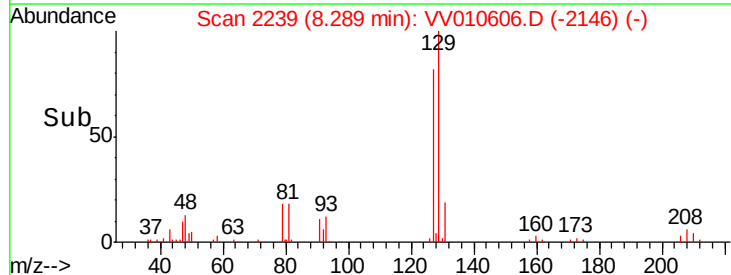
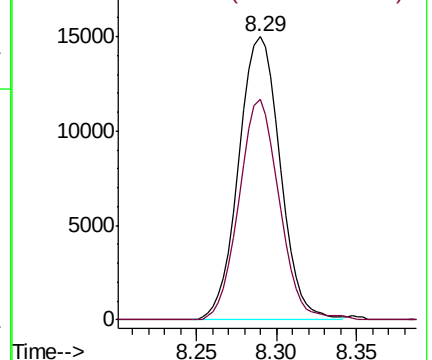


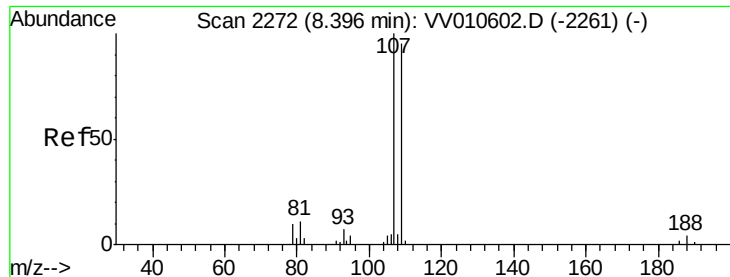
#49
Dibromochloromethane
Concen: 5.346 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Tgt Ion: 129 Resp: 26575
Ion Ratio Lower Upper
129 100
127 77.8 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VV010606.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010606.D (-2146) (-)

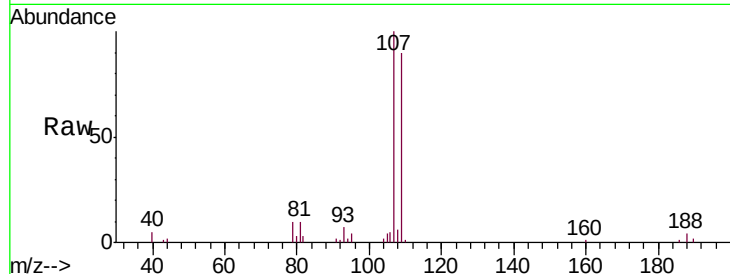




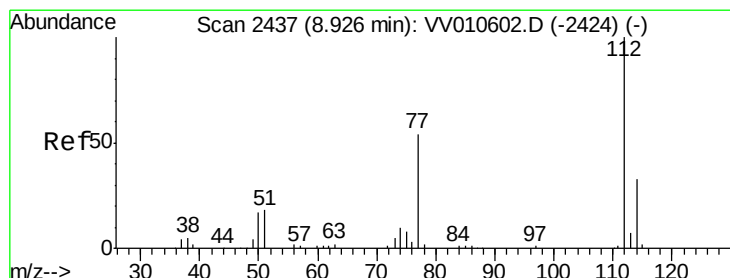
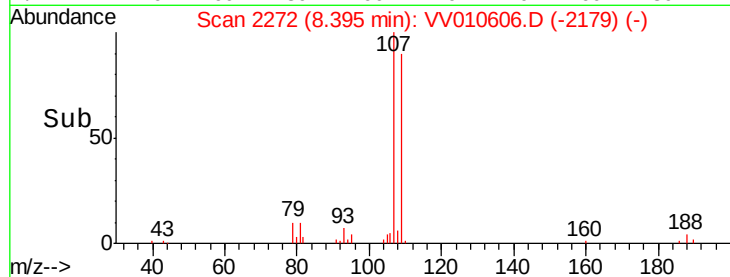
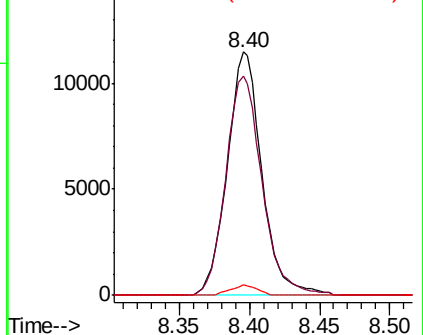
#50
1,2-Dibromoethane
Concen: 5.160 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion:107 Resp: 19682
Ion Ratio Lower Upper
107 100
109 90.3 66.3 123.1
188 4.2 3.3 4.9

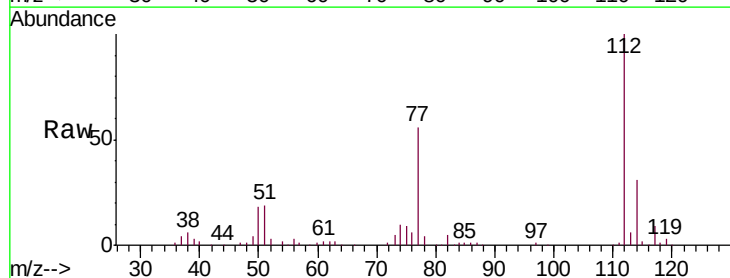


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

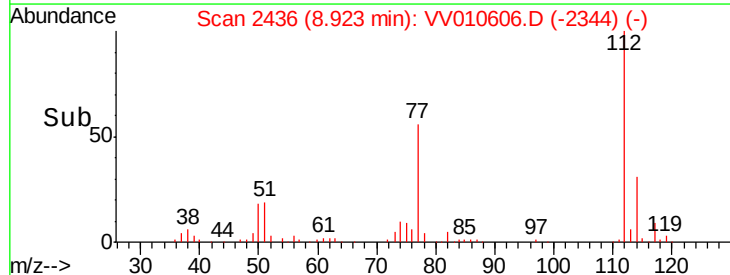
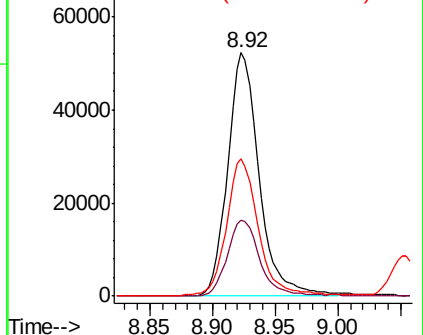


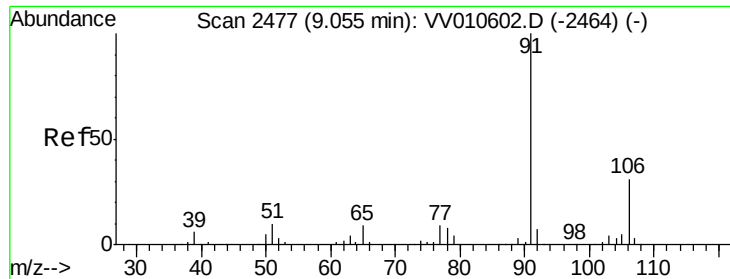
#51
Chlorobenzene
Concen: 5.101 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Tgt Ion:112 Resp: 91219
Ion Ratio Lower Upper
112 100
114 31.0 23.3 43.3
77 56.3 43.8 65.8



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





#52

Ethylbenzene

Concen: 5.290 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

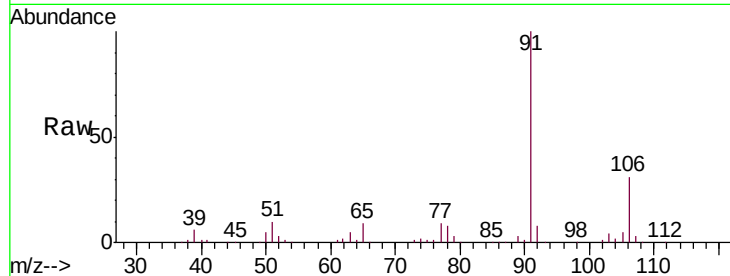
VSTD00555

Tgt Ion: 91 Resp: 154310

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV010606.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV010606.D (-2384) (-)

9.05

100000

80000

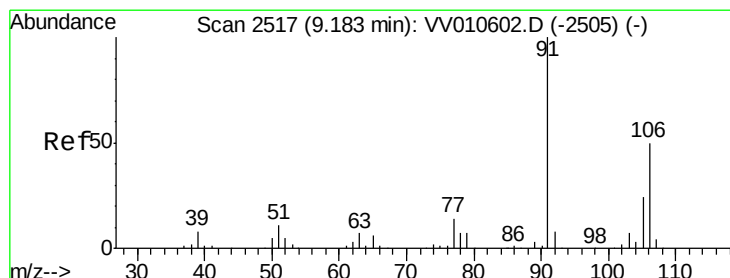
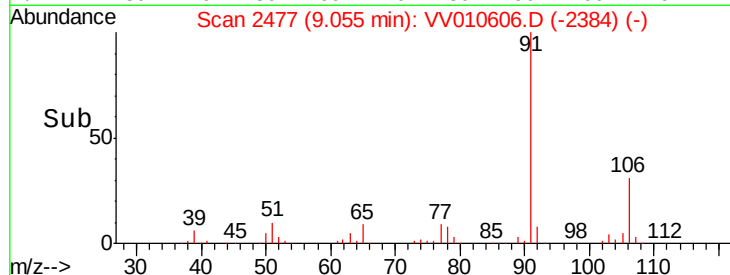
60000

40000

20000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.417 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010606.D

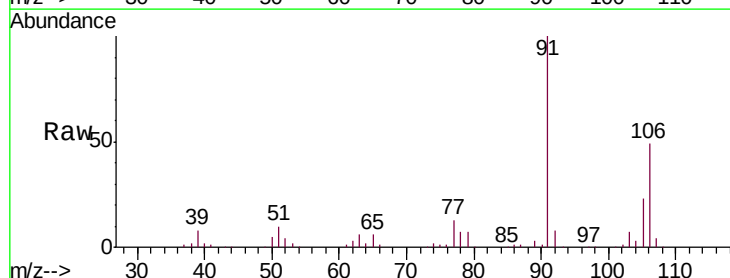
Acq: 01 May 2019 15:50

Tgt Ion: 106 Resp: 60519

Ion Ratio Lower Upper

106 100

91 204.3 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV010606.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV010606.D (-2424) (-)

9.18

80000

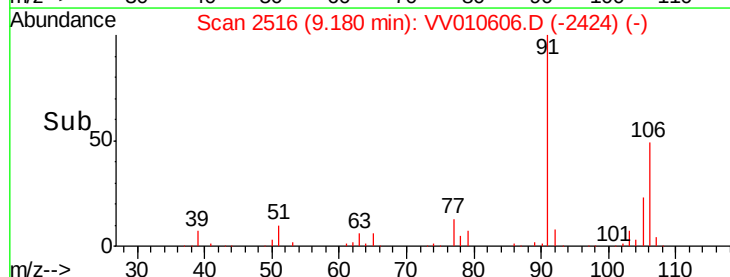
60000

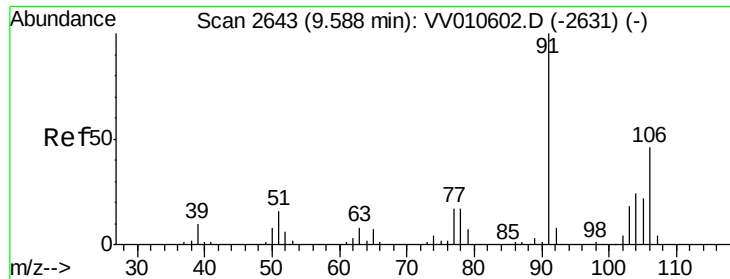
40000

20000

0

Time--> 9.10 9.15 9.20 9.25

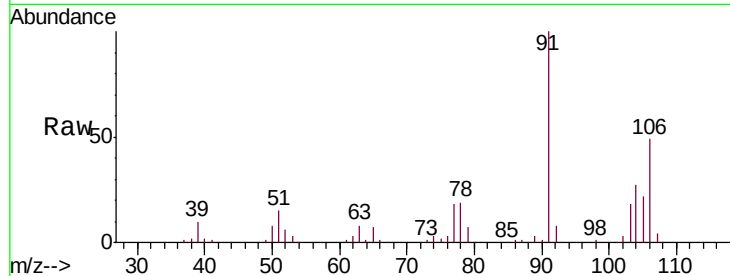




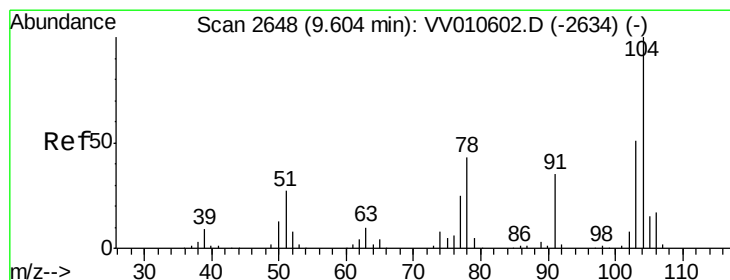
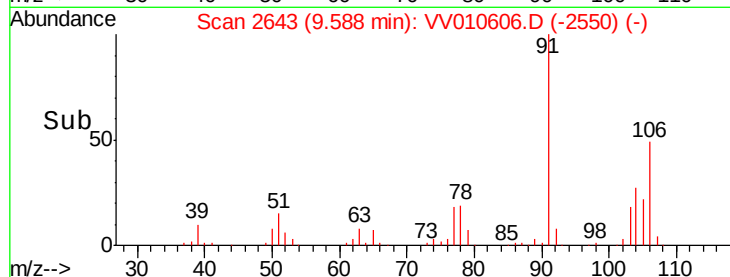
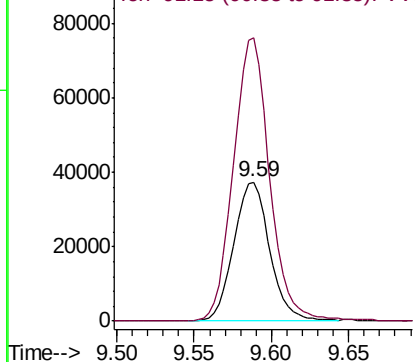
#54
o-xylene
Concen: 5.530 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion:106 Resp: 60149
Ion Ratio Lower Upper
106 100
91 204.0 151.9 282.1

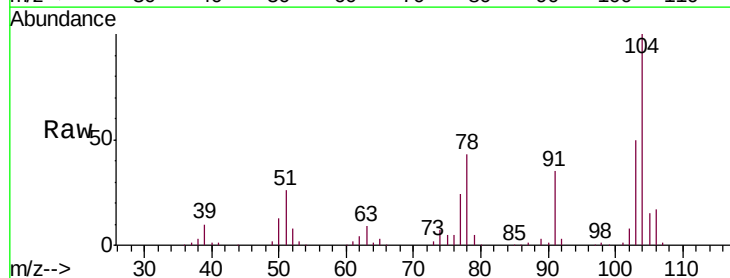


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

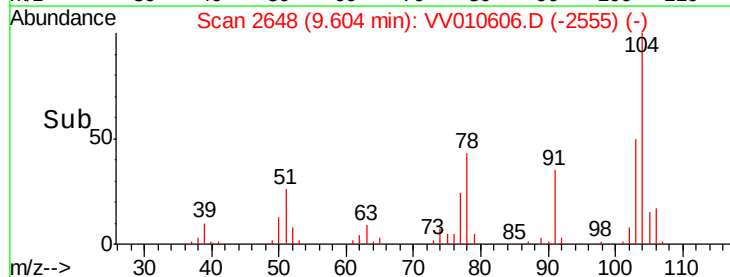
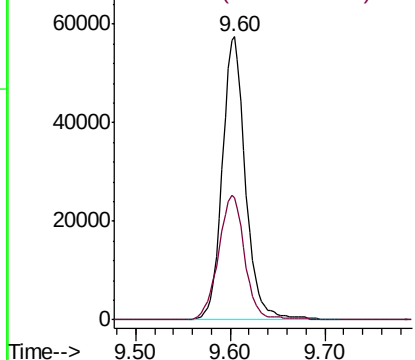


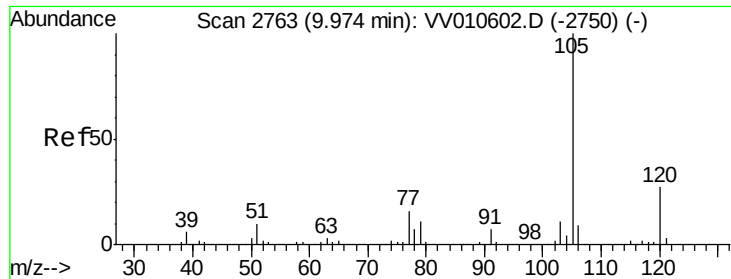
#55
Styrene
Concen: 5.431 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010606.D
Acq: 01 May 2019 15:50

Tgt Ion:104 Resp: 98011
Ion Ratio Lower Upper
104 100
78 43.3 30.5 56.7



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





#56

Isopropylbenzene

Concen: 5.501 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampled :

VSTD00555

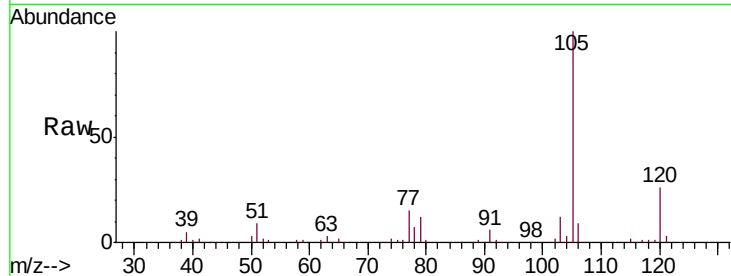
Tgt Ion: 105 Resp: 155280

Ion Ratio Lower Upper

105 100

120 26.1 22.0 33.0

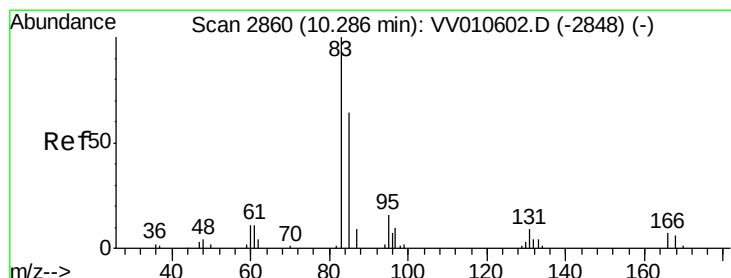
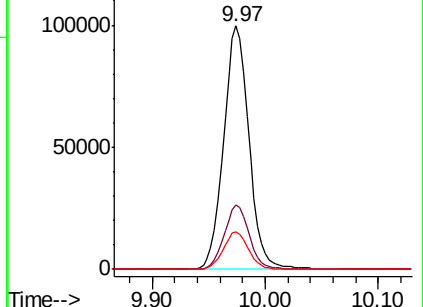
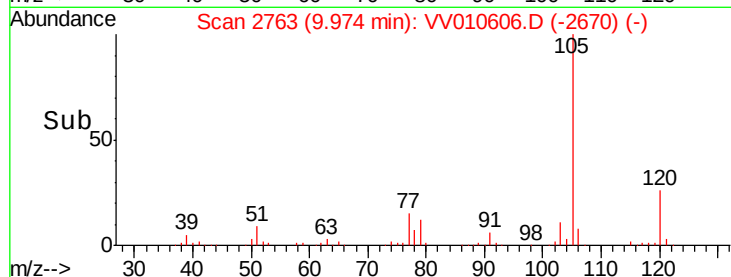
77 15.5 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.873 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

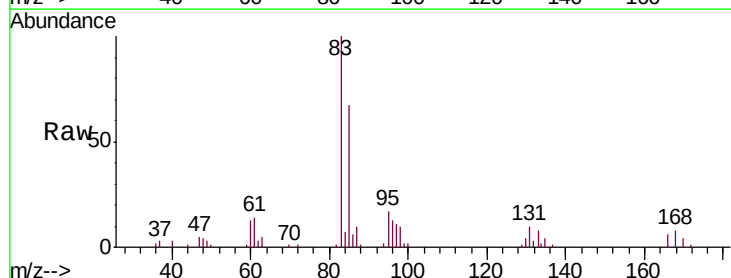
Tgt Ion: 83 Resp: 23495

Ion Ratio Lower Upper

83 100

85 66.5 44.7 83.1

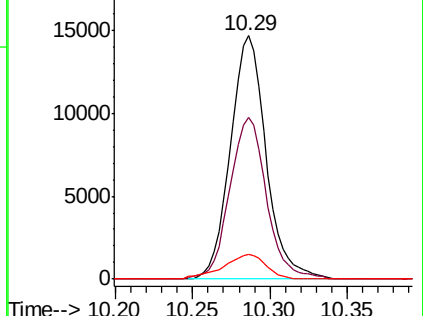
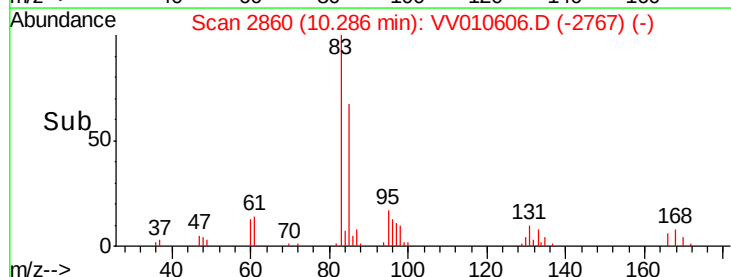
131 10.0 8.1 12.1

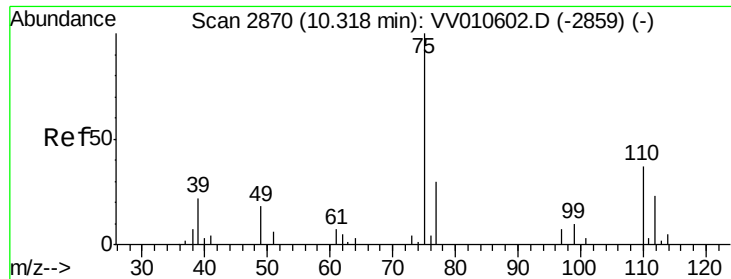


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

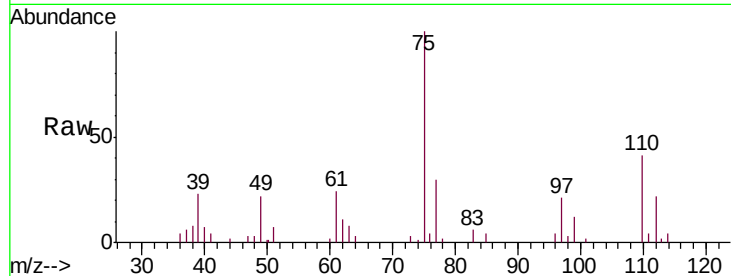




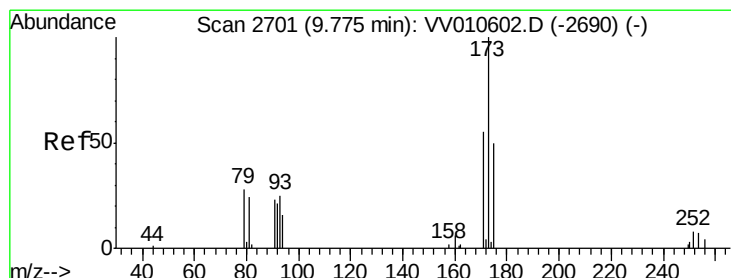
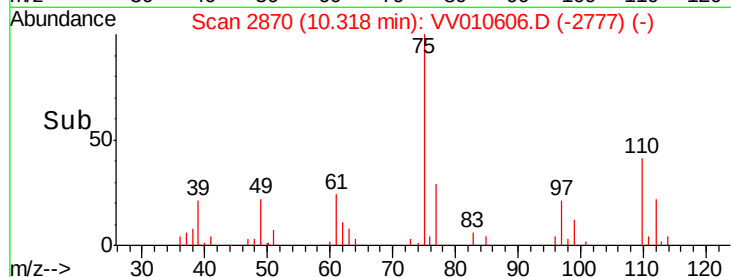
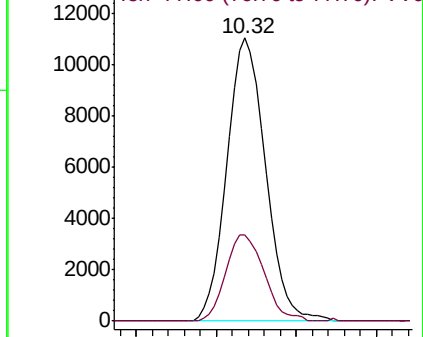
#59
 1,2,3-Trichloropropane
 Concen: 5.338 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion: 75 Resp: 18238
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.8 37.2

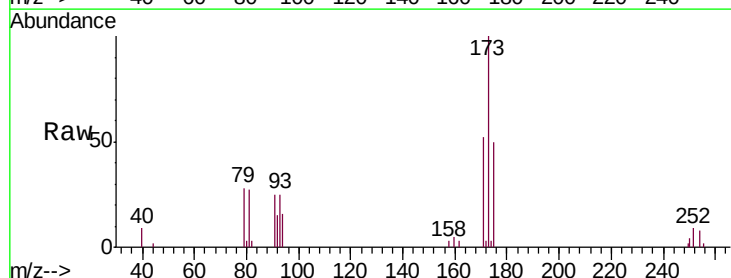


Abundance Ion 75.00 (74.70 to 75.70): VV010606.D (-2777) (-)
 Ion 77.00 (76.70 to 77.70): VV010606.D (-2777) (-)

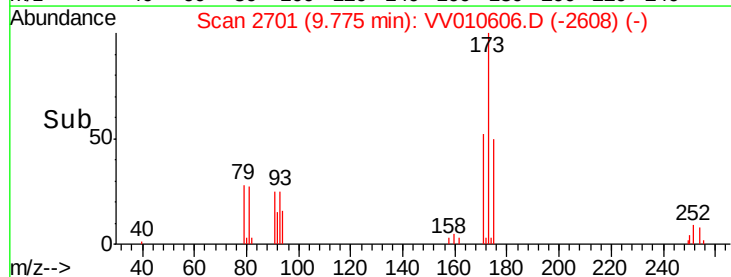
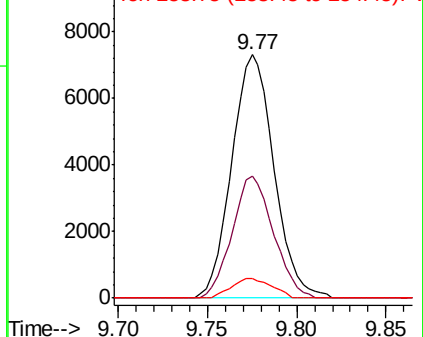


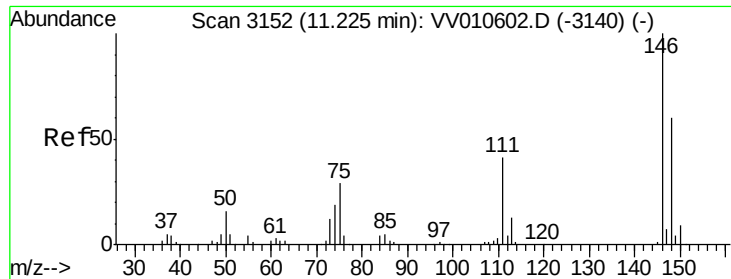
#61
 Bromoform
 Concen: 4.850 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion: 173 Resp: 12080
 Ion Ratio Lower Upper
 173 100
 175 48.8 36.7 55.1
 254 7.8 5.9 8.9



Abundance Ion 172.90 (172.60 to 173.60): VV010606.D (-2608) (-)
 Ion 174.90 (174.60 to 175.60): VV010606.D (-2608) (-)
 Ion 253.75 (253.45 to 254.45): VV010606.D (-2608) (-)

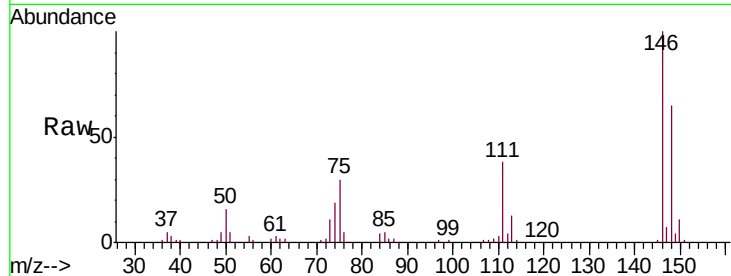




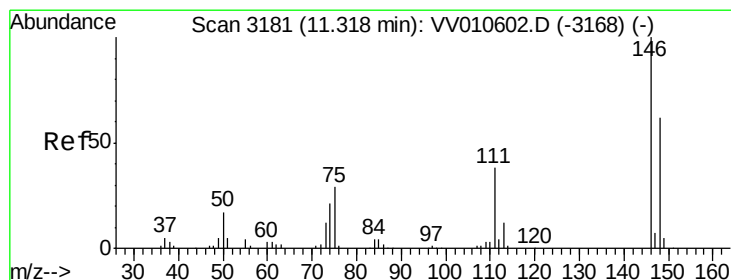
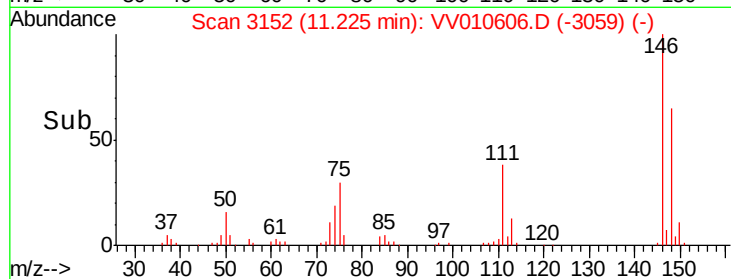
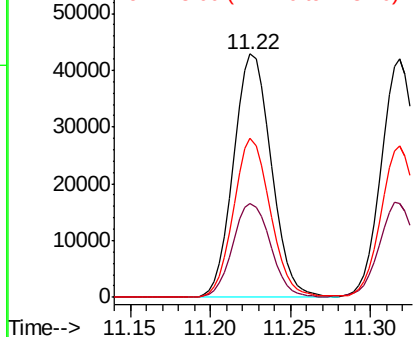
#62
 1,3-Dichlorobenzene
 Concen: 5.194 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:146 Resp: 68848
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.8 53.6
 148 65.2 42.3 78.5

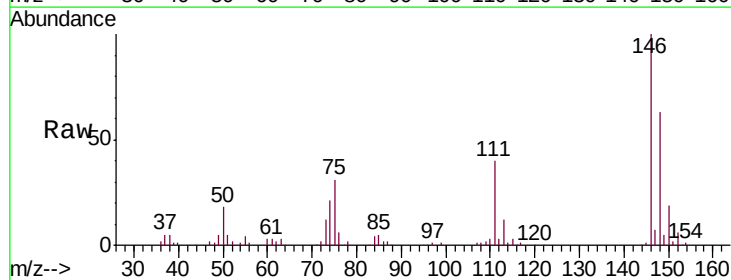


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

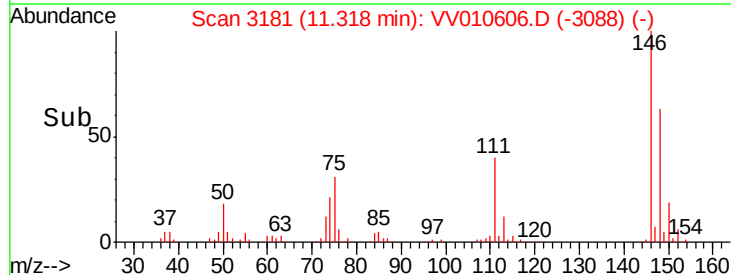
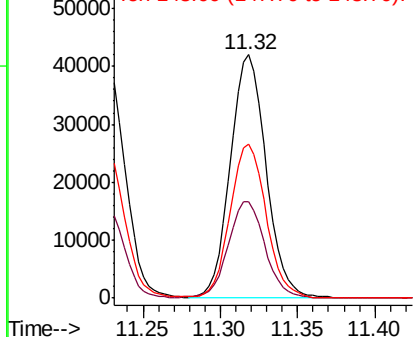


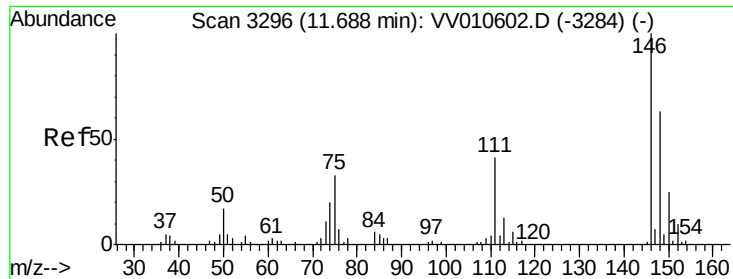
#63
 1,4-Dichlorobenzene
 Concen: 5.074 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion:146 Resp: 67016
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 63.2 43.2 80.2



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





#65

1,2-Dichlorobenzene

Concen: 5.105 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

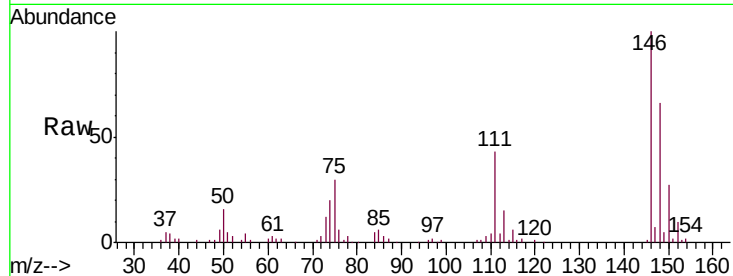
Tgt Ion:146 Resp: 64332

Ion Ratio Lower Upper

146 100

111 43.4 32.7 49.1

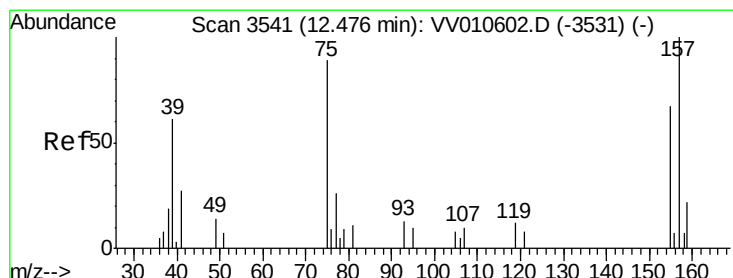
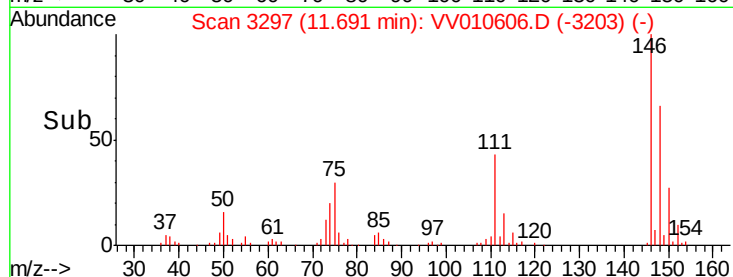
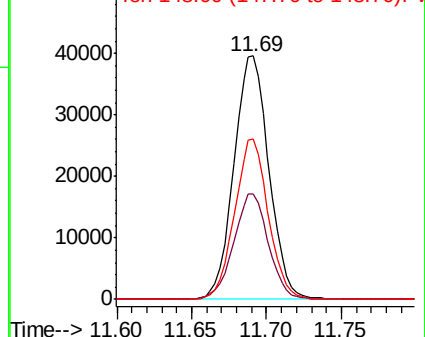
148 66.1 50.2 75.4



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: 5.344 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

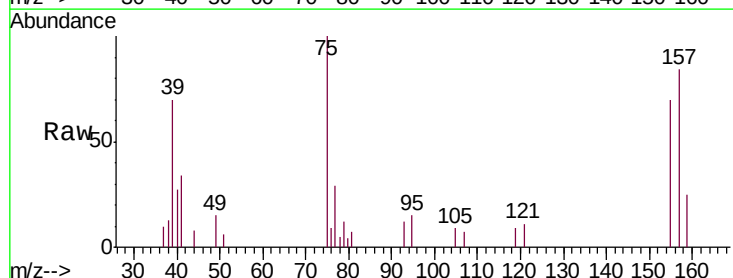
Tgt Ion: 75 Resp: 3860

Ion Ratio Lower Upper

75 100

155 70.2 60.8 91.2

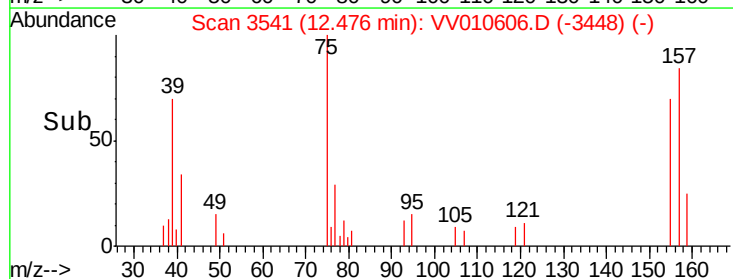
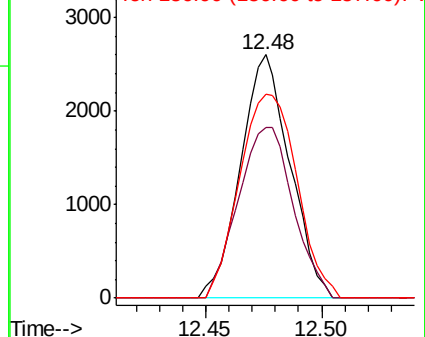
157 83.6 90.2 135.4#

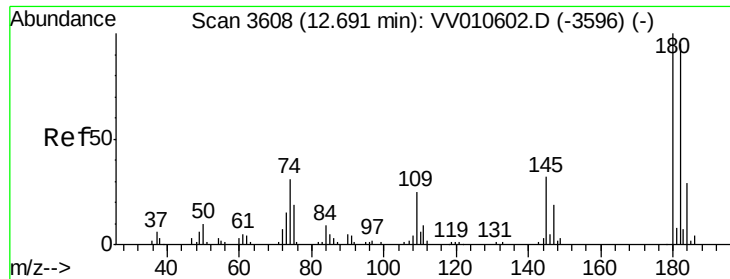


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

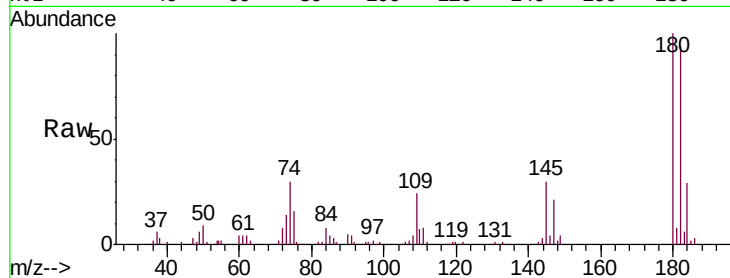




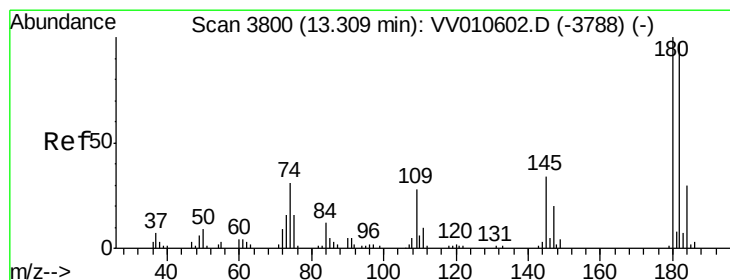
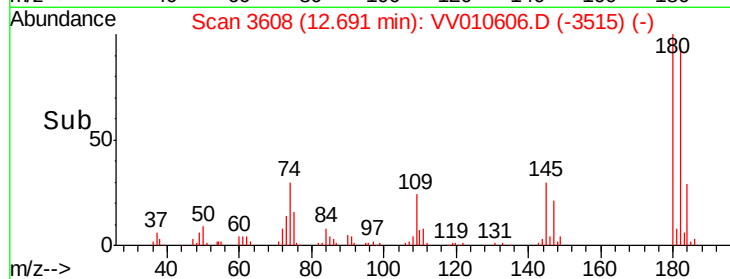
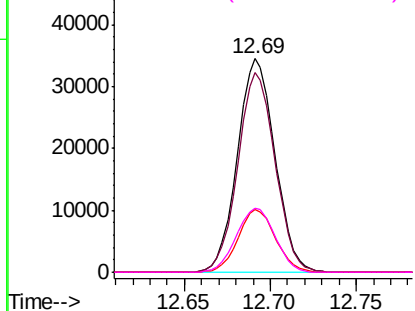
#67
 1,3,5-Trichlorobenzene
 Concen: 5.264 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:180 Resp: 52348
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.0 115.6
 184 29.1 23.4 35.2
 145 30.9 25.5 38.3

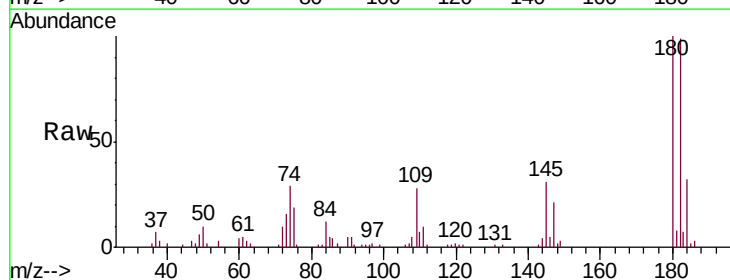


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

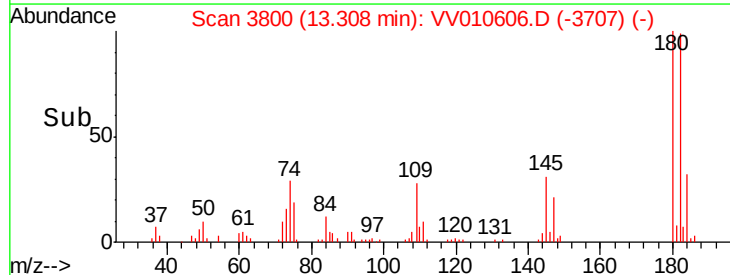
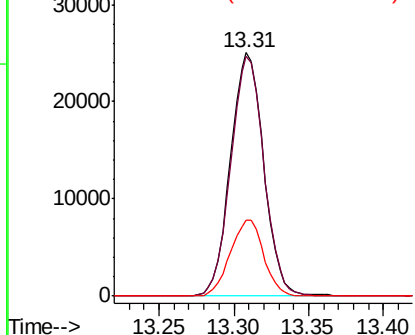


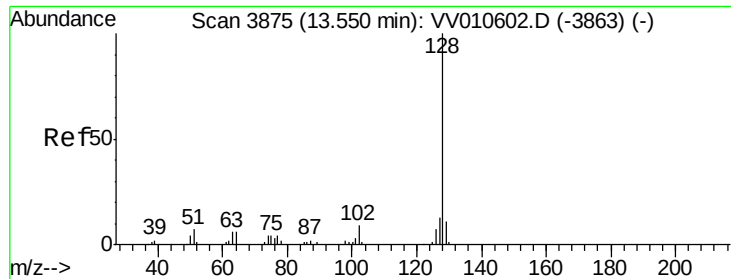
#68
 1,2,4-trichlorobenzene
 Concen: 5.196 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010606.D
 Acq: 01 May 2019 15:50

Tgt Ion:180 Resp: 38769
 Ion Ratio Lower Upper
 180 100
 182 98.1 77.7 116.5
 145 31.0 26.0 39.0



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





#69

Naphthalene

Concen: 5.229 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

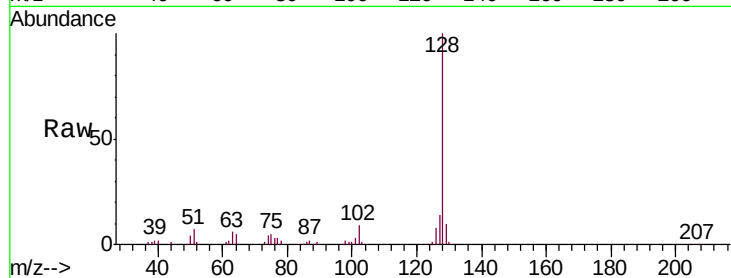
Tgt Ion:128 Resp: 59680

Ion Ratio Lower Upper

128 100

129 10.1 8.5 12.7

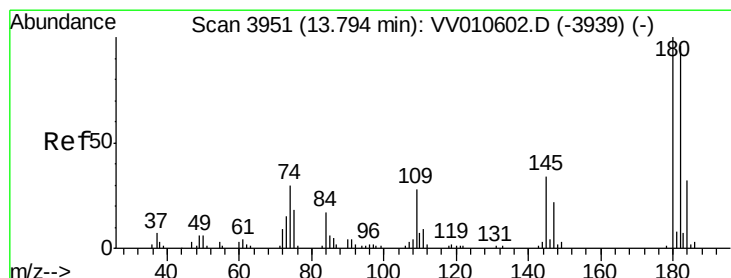
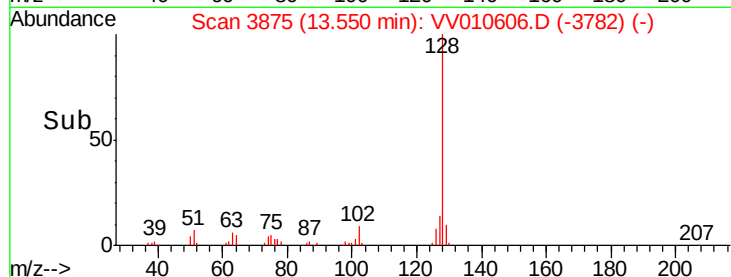
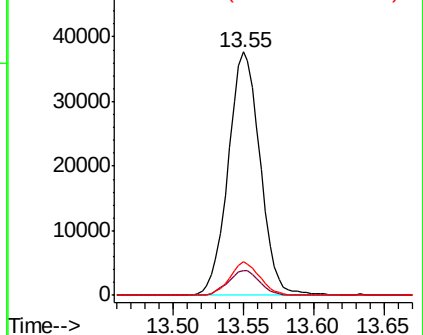
127 12.9 10.3 15.5



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: 5.348 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010606.D

Acq: 01 May 2019 15:50

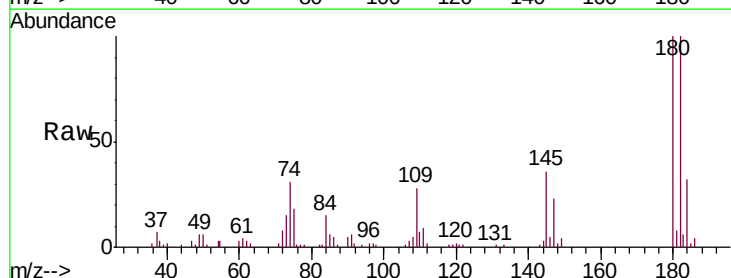
Tgt Ion:180 Resp: 35583

Ion Ratio Lower Upper

180 100

182 96.9 76.0 114.0

145 35.1 26.2 39.4



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

