

Data File : VV011901.D
Acq On : 17 Jul 2019 10:08
Operator : SY/MD
Sample : VSTD0.536
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Quant Time: Jul 18 01:25:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	201358	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	191980	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	87040	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7303	0.49	ug/L	0.00
7) Chloroethane-d5	1.58	69	6309	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12385	0.54	ug/L	0.00
20) 2-Butanone-d5	3.97	46	17111	5.18	ug/L	0.00
24) Chloroform-d	4.40	84	14650	0.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7071	0.50	ug/L	0.00
32) Benzene-d6	5.10	84	26913	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8213	0.50	ug/L	0.00
41) Toluene-d8	7.36	98	22560	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2767	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9326	3.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4912	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	8761	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9848	0.492 ug/L	96
3) Chloromethane	1.25	50	9746	0.496 ug/L	98
5) Vinyl chloride	1.32	62	9141	0.479 ug/L	99
6) Bromomethane	1.54	94	5402	0.496 ug/L	94
8) Chloroethane	1.60	64	5444	0.479 ug/L	100
9) Trichlorofluoromethane	1.77	101	11856	0.482 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5755	0.510 ug/L	97
12) 1,1-Dichloroethene	2.14	96	5207	0.505 ug/L #	77
13) Acetone	2.23	43	11658	6.262 ug/L	98
14) Carbon disulfide	2.32	76	16176	0.587 ug/L	98
15) Methyl Acetate	2.47	43	1917	0.447 ug/L #	77
16) Methylene chloride	2.53	84	6539	0.606 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	14907	0.470 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	7193	0.496 ug/L	97
19) 1,1-Dichloroethane	3.23	63	13191	0.479 ug/L	97
21) 2-Butanone	4.06	43	13872	3.833 ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	6899	0.447 ug/L	93
23) Bromochloromethane	4.30	128	2891	0.445 ug/L	85
25) Chloroform	4.43	83	16257	0.539 ug/L	96
27) 1,2-Dichloroethane	5.18	62	8606	0.493 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	10764	0.441 ug/L	97
30) Cyclohexane	4.72	56	11181	0.441 ug/L	97
31) Carbon tetrachloride	4.88	117	9336	0.450 ug/L	97
33) Benzene	5.15	78	27352	0.453 ug/L	100
34) Trichloroethene	5.96	95	8187	0.477 ug/L	96
35) Methylcyclohexane	6.17	83	11080	0.444 ug/L	99
37) 1,2-Dichloropropane	6.22	63	6308	0.419 ug/L #	94
38) Bromodichloromethane	6.56	83	8245	0.459 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	7418	0.366 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	35926	4.046 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	26581	0.423	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	6486	0.407	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	4868	0.486	ug/L	88
47) Tetrachloroethene	8.02	164	5778	0.461	ug/L	95
48) 2-Hexanone	8.19	43	25407	3.973	ug/L	96
49) Dibromochloromethane	8.29	129	4492	0.406	ug/L	93
50) 1,2-Dibromoethane	8.40	107	3988	0.430	ug/L #	97
51) Chlorobenzene	8.92	112	17966	0.442	ug/L	95
52) Ethylbenzene	9.05	91	29210	0.420	ug/L	100
53) m,p-xylene	9.18	106	10630	0.414	ug/L	84
54) o-xylene	9.59	106	9430	0.386	ug/L	99
55) Styrene	9.60	104	15306	0.372	ug/L	96
56) Isopropylbenzene	9.97	105	26395	0.396	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3775	0.384	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	4188	0.472	ug/L	98
61) Bromoform	9.77	173	2356	0.492	ug/L #	92
62) 1,3-Dichlorobenzene	11.22	146	13567	0.485	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	14201	0.490	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	12314	0.465	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	708	0.439	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.69	180	10560	0.481	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	7477	0.428	ug/L	95
69) Naphthalene	13.55	128	10023	0.388	ug/L	96
70) 1,2,3-Trichlorobenzene	13.79	180	6353	0.402	ug/L	98

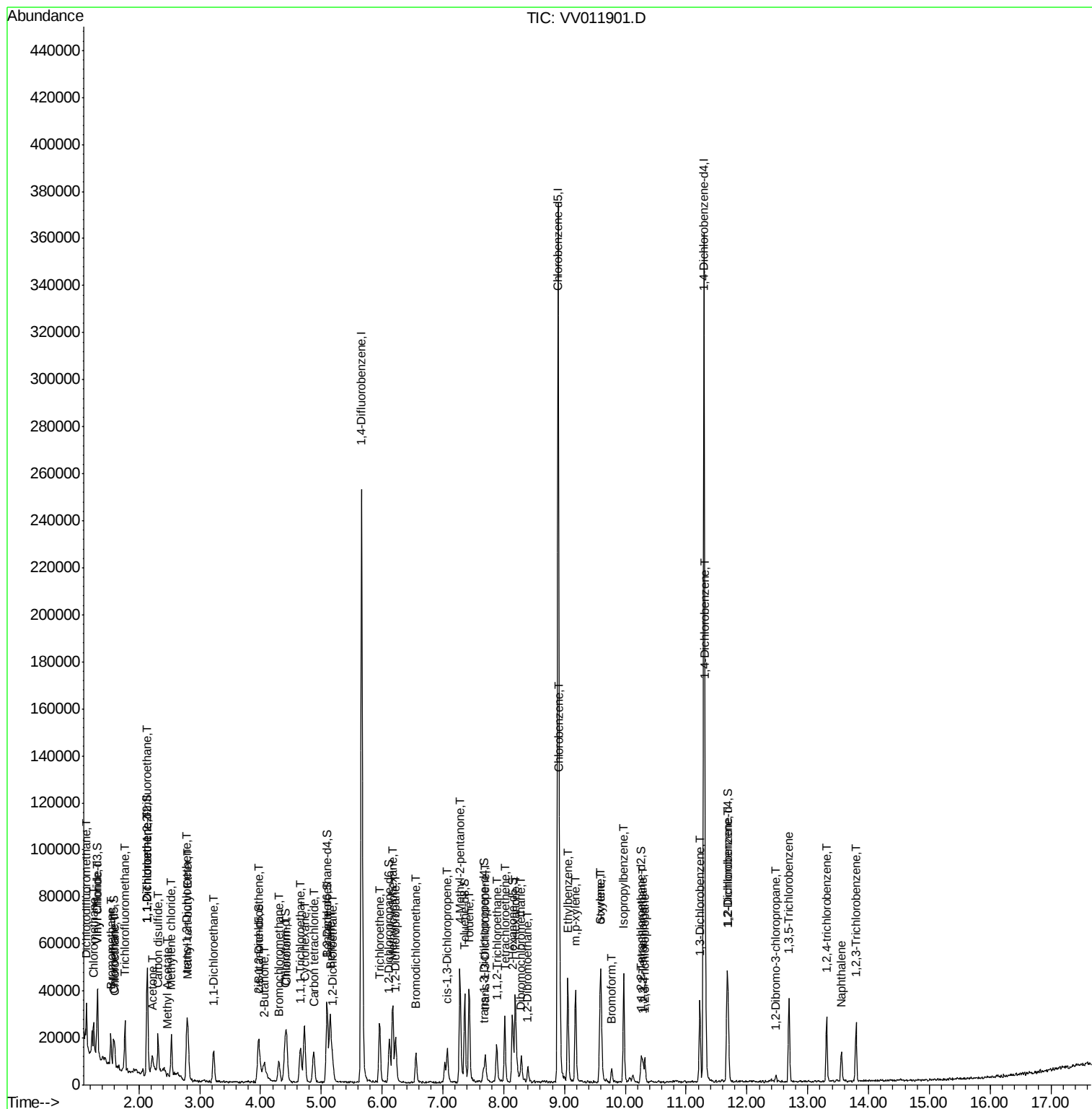
(#) = qualifier out of range (m) = manual integration (+) = signals summed

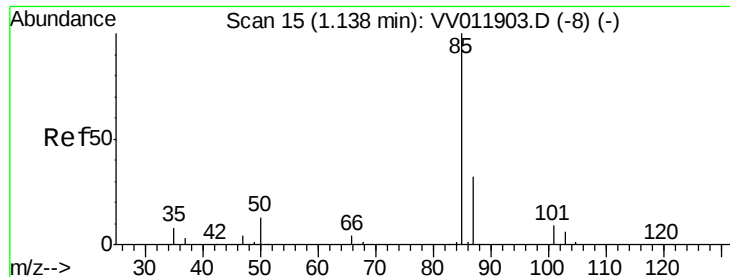
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#2

Dichlorodifluoromethane

Concen: 0.492 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampled :

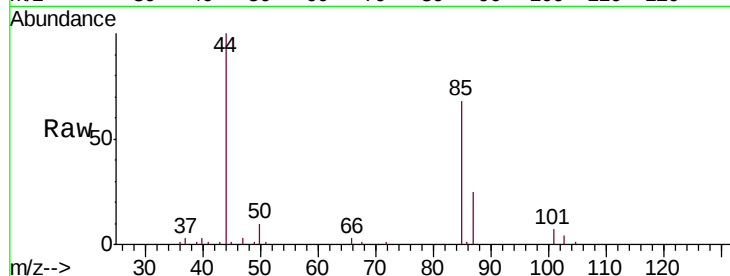
VSTD0.536

Tgt Ion: 85 Resp: 9848

Ion Ratio Lower Upper

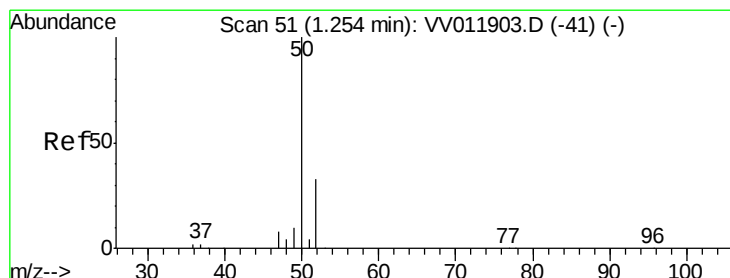
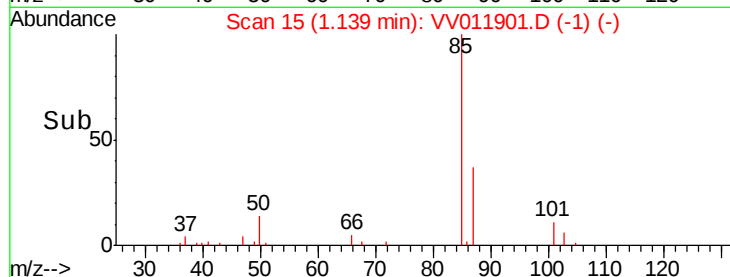
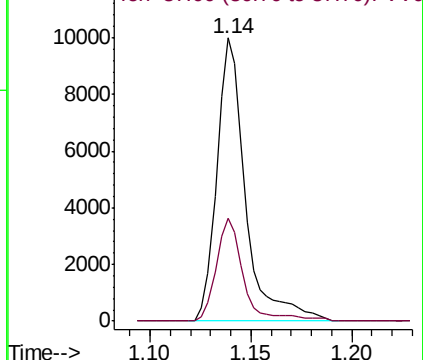
85 100

87 34.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.496 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011901.D

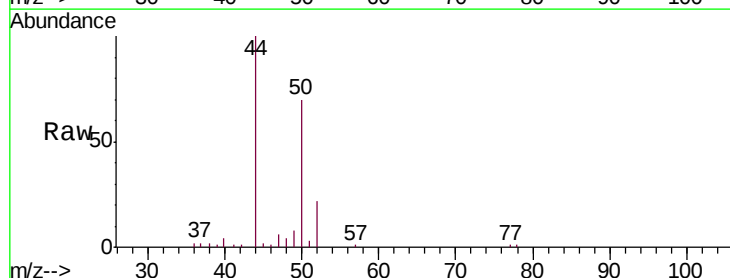
Acq: 17 Jul 2019 10:08

Tgt Ion: 50 Resp: 9746

Ion Ratio Lower Upper

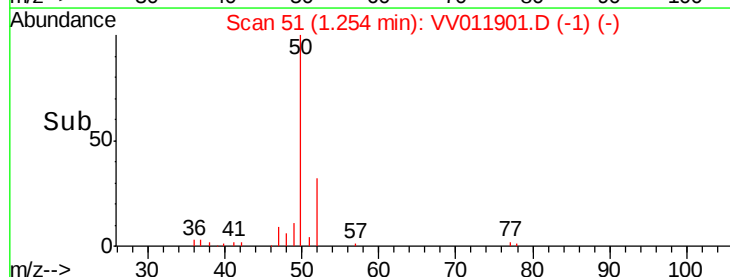
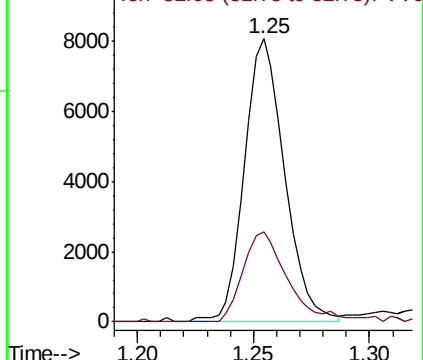
50 100

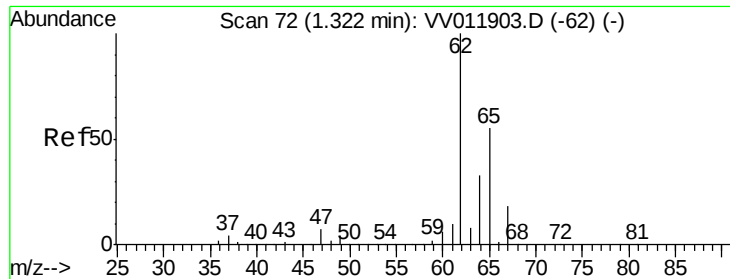
52 32.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.479 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

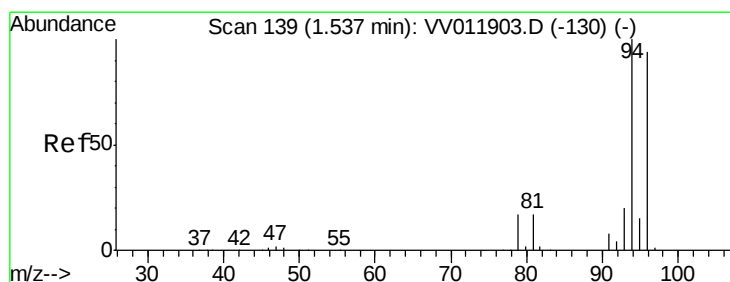
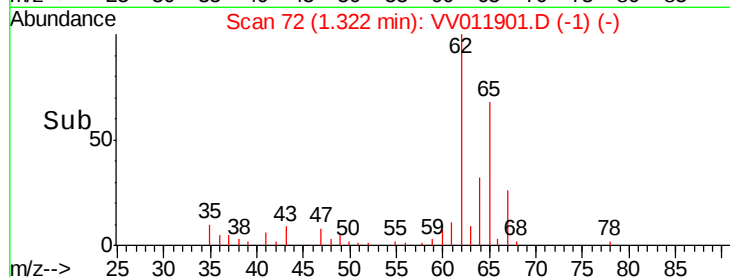
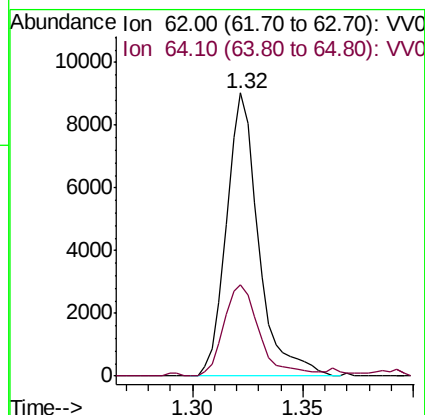
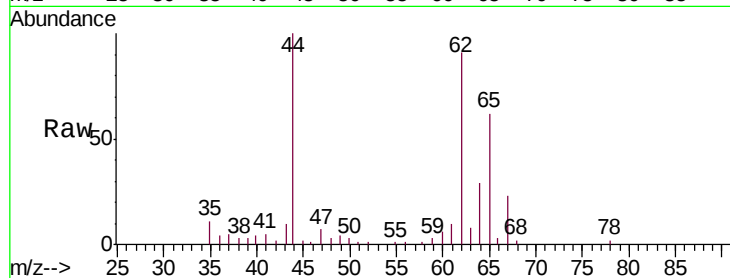
VSTD0.536

Tgt Ion: 62 Resp: 9141

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#6

Bromomethane

Concen: 0.496 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011901.D

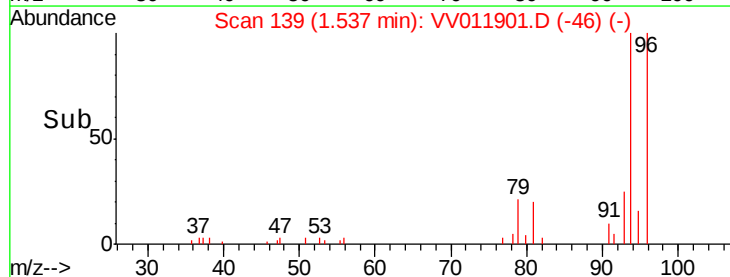
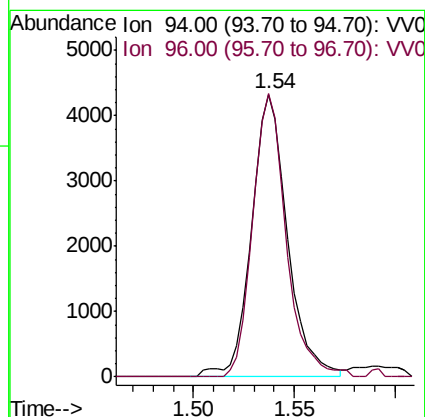
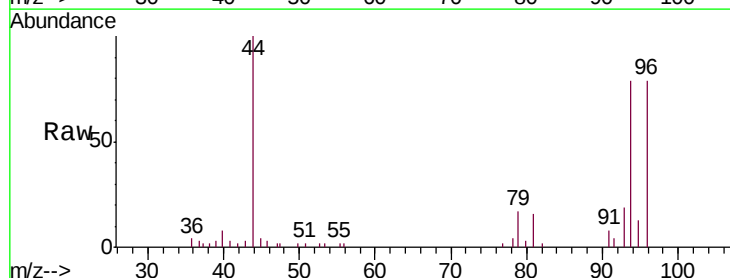
Acq: 17 Jul 2019 10:08

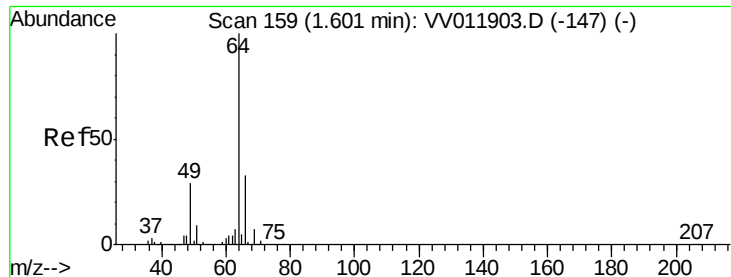
Tgt Ion: 94 Resp: 5402

Ion Ratio Lower Upper

94 100

96 100.3 66.1 122.7

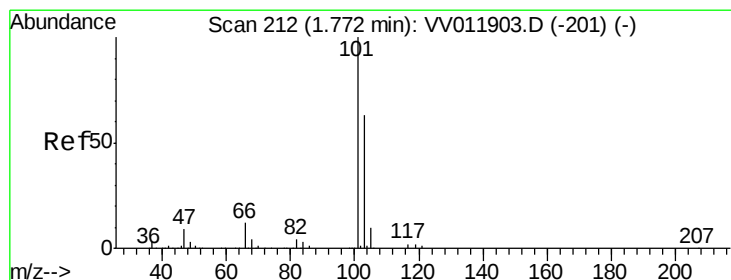
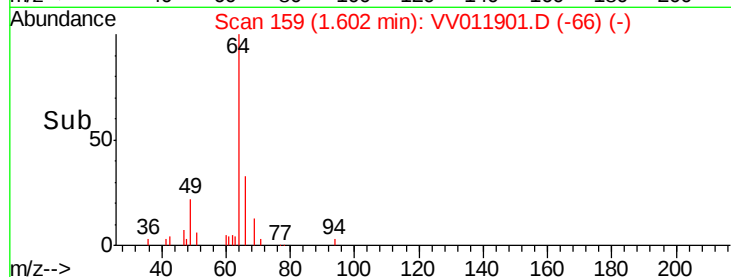
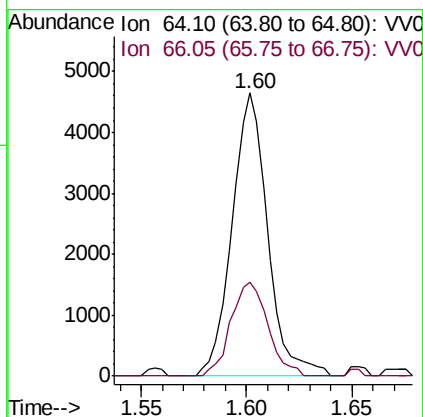
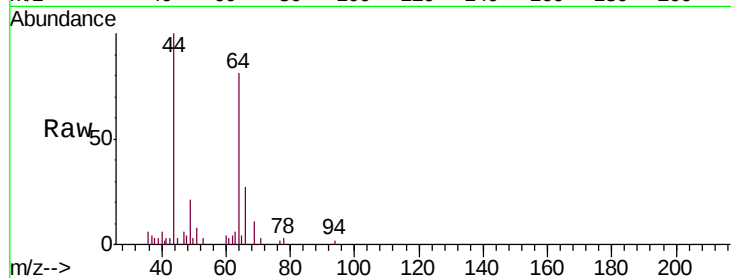




#8
Chloroethane
Concen: 0.479 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

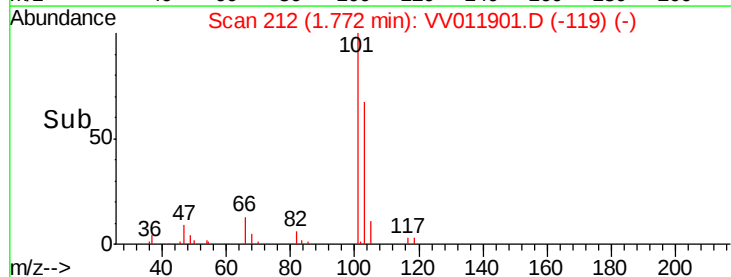
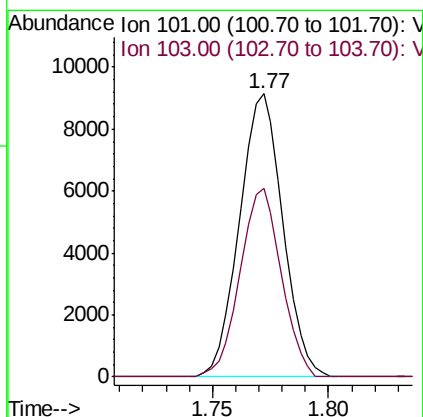
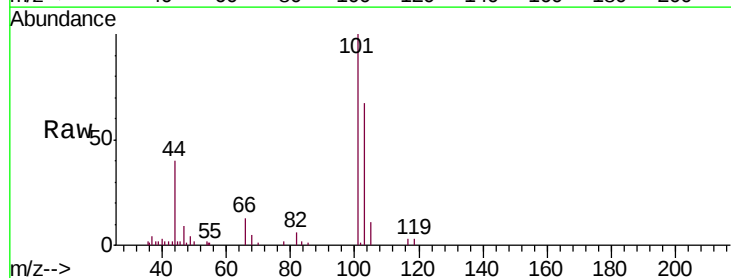
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

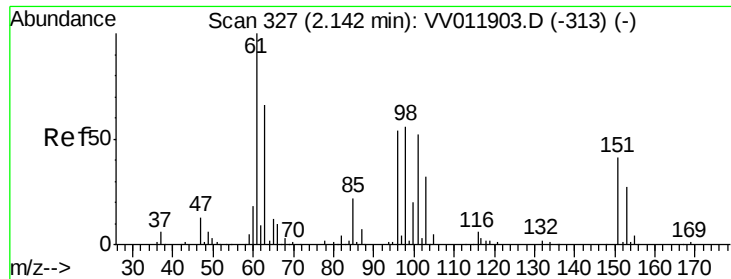
Tgt Ion: 64 Resp: 5444
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 0.482 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion: 101 Resp: 11856
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.4





#10

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

Concen: 0.510 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

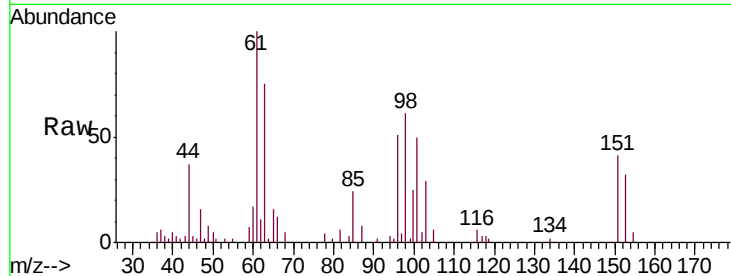
Tgt Ion:101 Resp: 5755

Ion Ratio Lower Upper

101 100

85 48.3 34.7 52.1

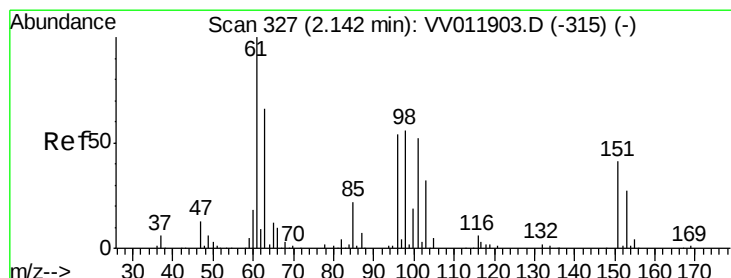
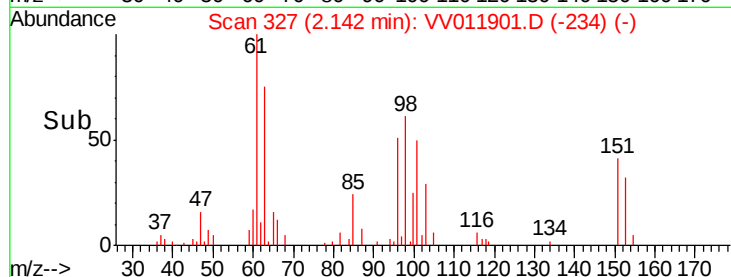
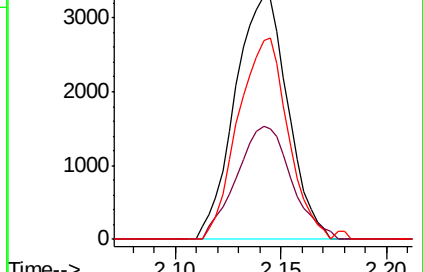
151 77.9 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV011901.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV011901.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV011901.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 0.505 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

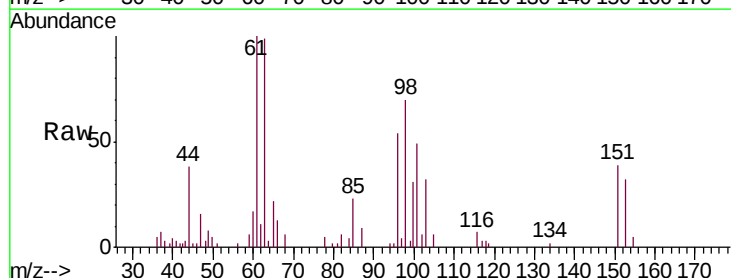
Tgt Ion: 96 Resp: 5207

Ion Ratio Lower Upper

96 100

61 186.7 128.9 239.3

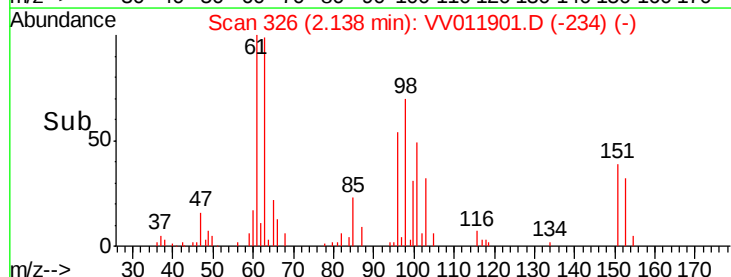
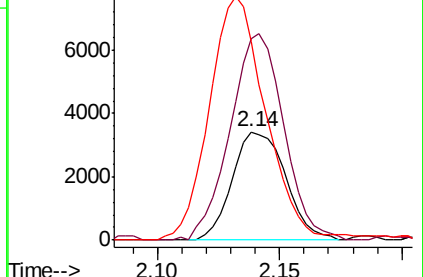
63 183.9 85.5 158.9#

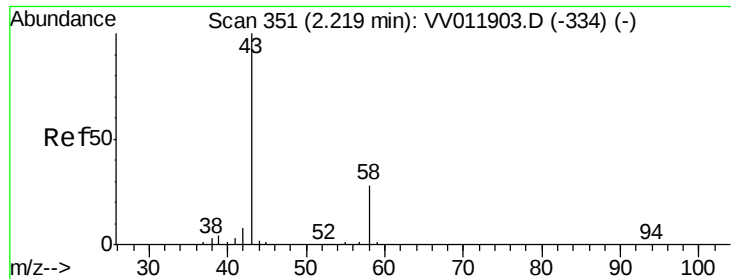


Abundance Ion 96.00 (95.70 to 96.70): VV011901.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV011901.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV011901.D (-234) (-)





#13

Acetone

Concen: 6.262 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

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ClientSampleId :

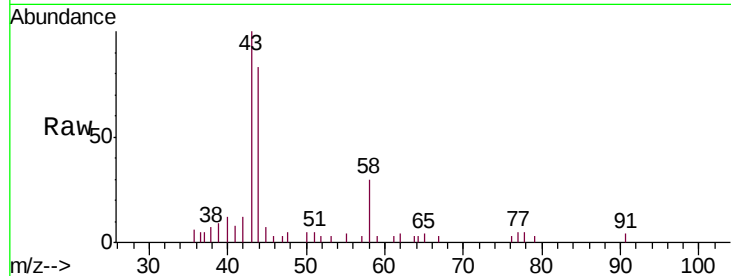
VSTD0.536

Tgt Ion: 43 Resp: 11658

Ion Ratio Lower Upper

43 100

58 29.0 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011903.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011903.D (-334) (-)

2.23

4000

3000

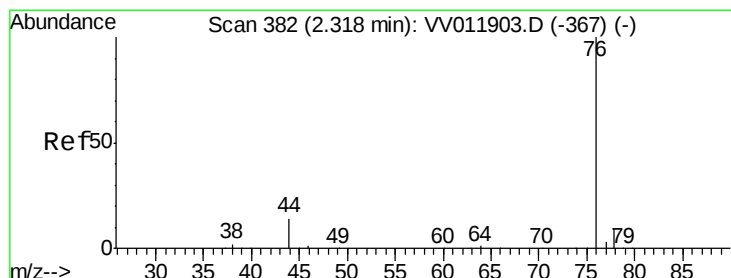
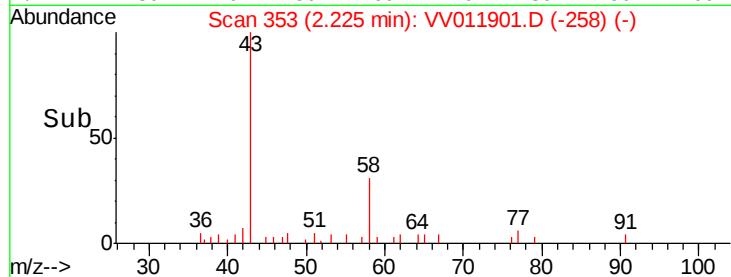
2000

1000

0

Time-->

2.15 2.20 2.25 2.30 2.35



#14

Carbon disulfide

Concen: 0.587 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011901.D

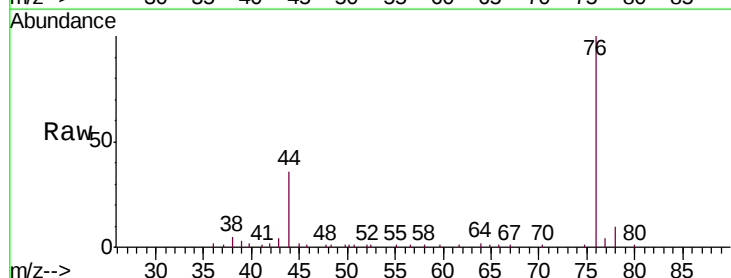
Acq: 17 Jul 2019 10:08

Tgt Ion: 76 Resp: 16176

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011903.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011903.D (-367) (-)

2.32

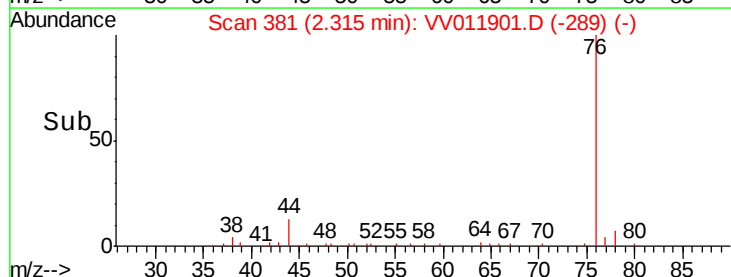
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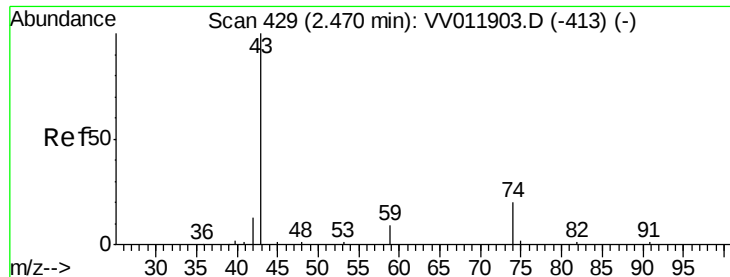
5000

0

Time-->

2.25 2.30 2.35





#15

Methyl Acetate

Concen: 0.447 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

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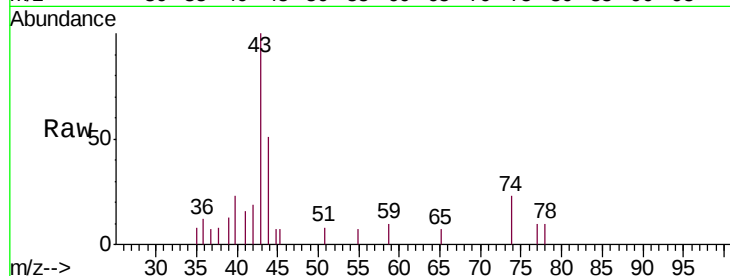
VSTD0.536

Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

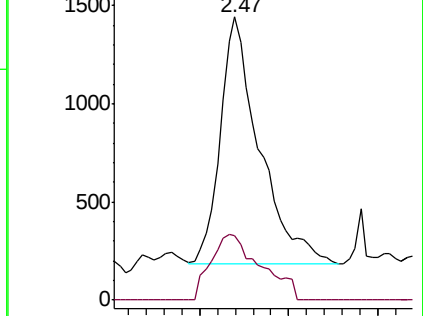
43 100

74 34.1 18.3 27.5#

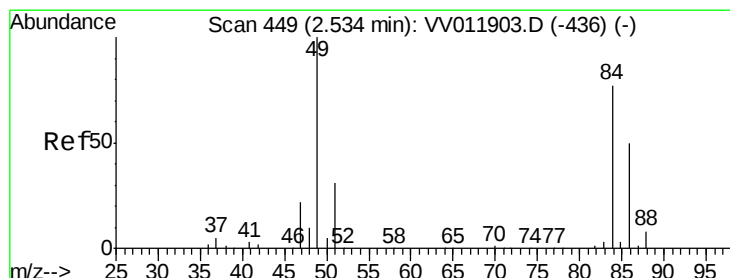
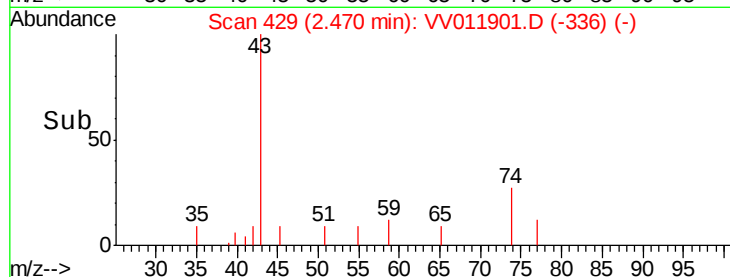


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



Time-->



#16

Methylene chloride

Concen: 0.606 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

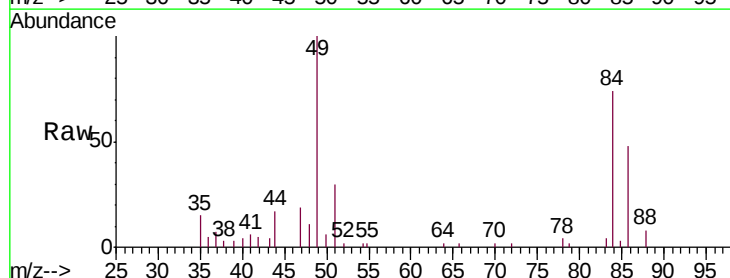
Tgt Ion: 84 Resp: 6539

Ion Ratio Lower Upper

84 100

86 64.9 44.8 83.2

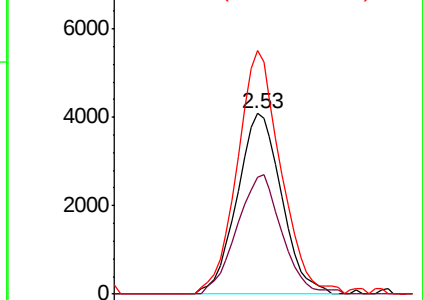
49 134.9 90.4 168.0



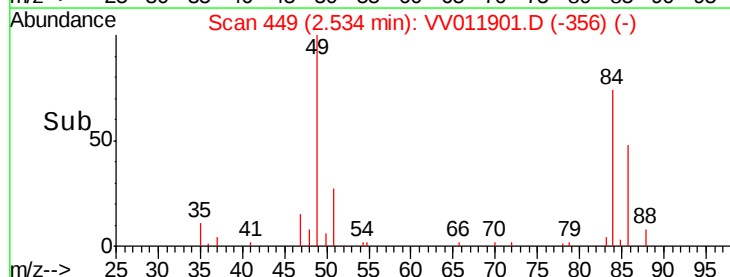
Abundance Ion 84.05 (83.75 to 84.75): VV0

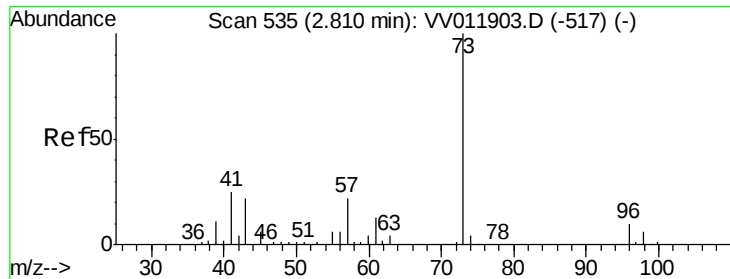
Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



Time-->

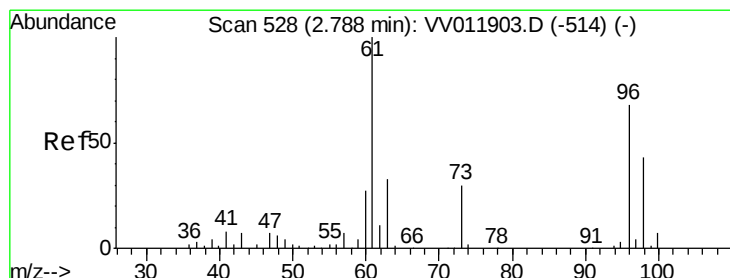
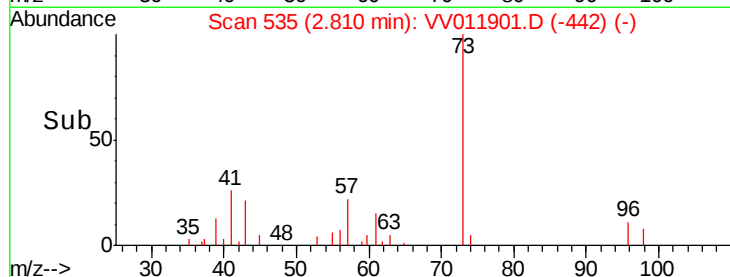
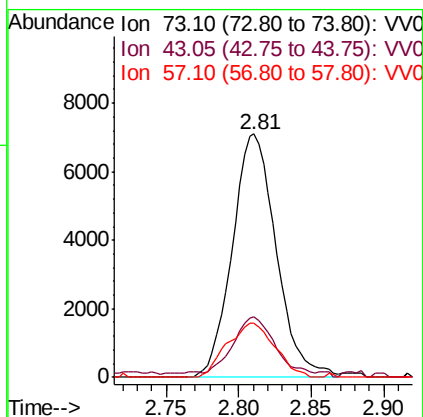
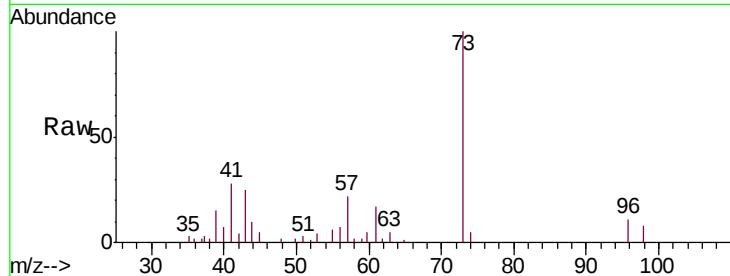




#17
Methyl tert-butyl Ether
Concen: 0.470 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

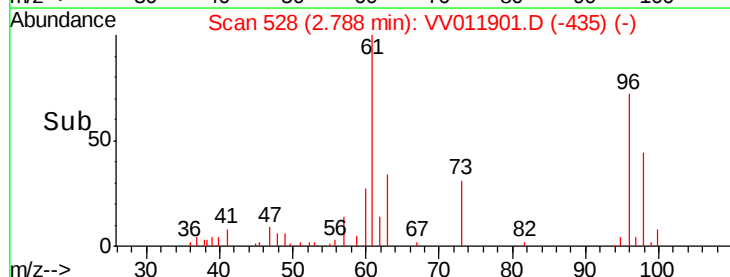
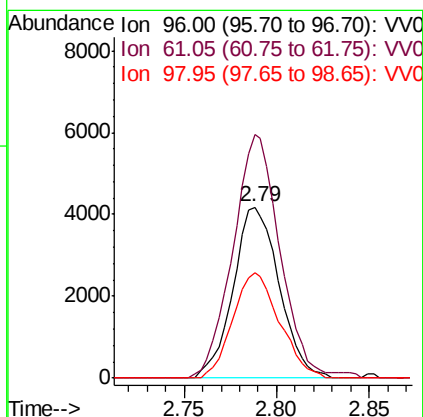
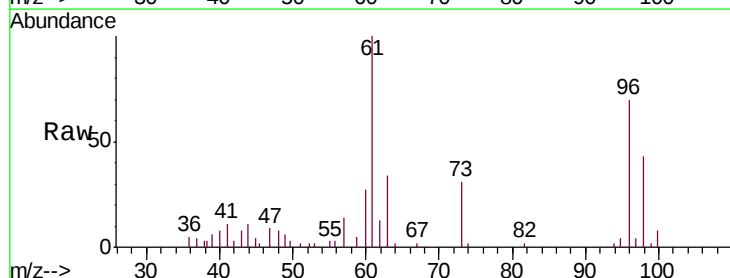
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

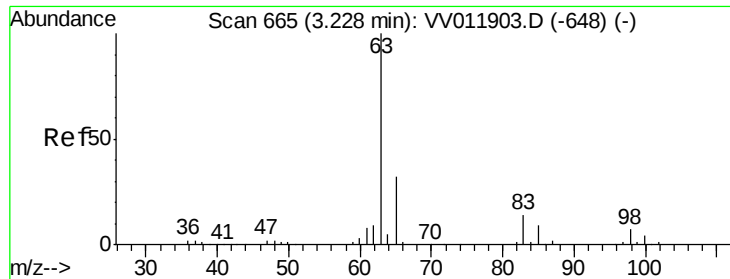
Tgt Ion: 73 Resp: 14907
Ion Ratio Lower Upper
73 100
43 22.1 17.6 26.4
57 24.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.496 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion: 96 Resp: 7193
Ion Ratio Lower Upper
96 100
61 142.2 102.2 189.8
98 61.7 44.4 82.5

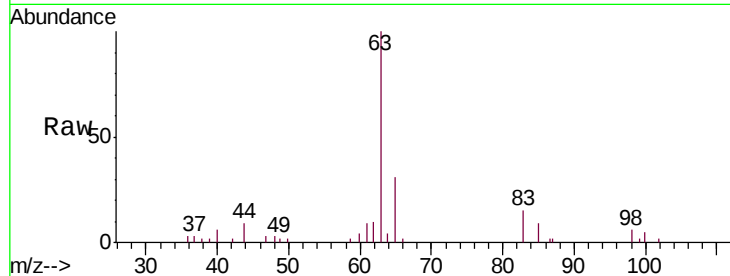




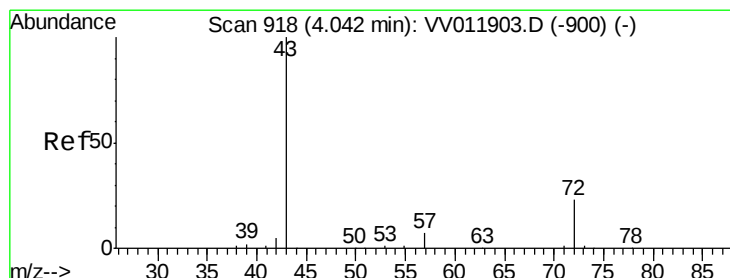
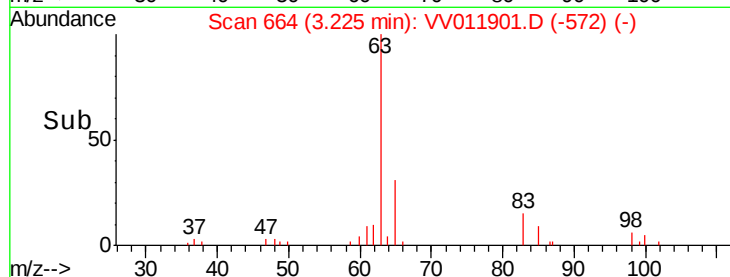
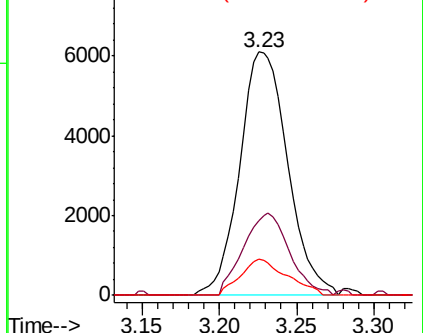
#19
 1,1-Dichloroethane
 Concen: 0.479 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion: 63 Resp: 13191
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.7 42.3
 83 14.8 9.4 17.6

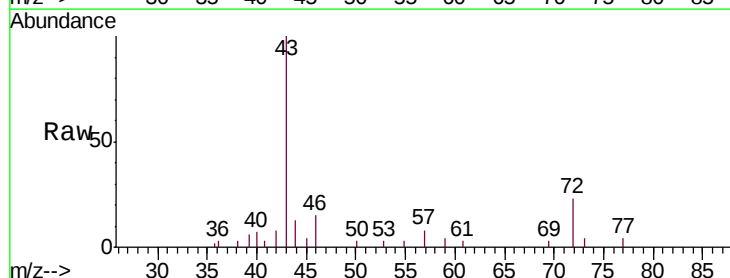


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

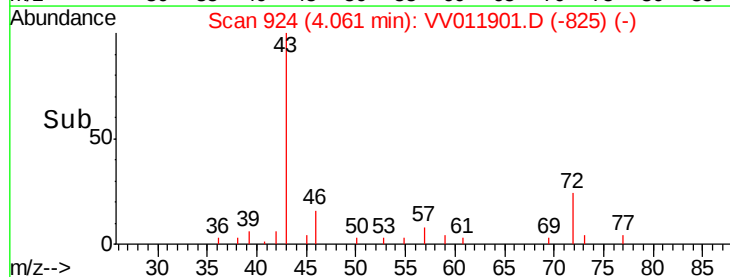
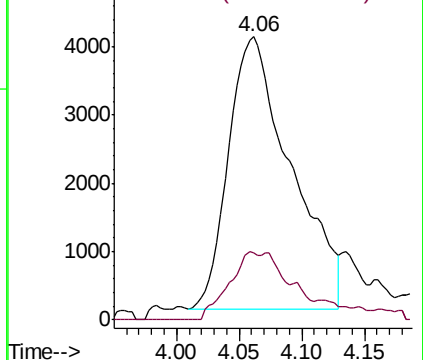


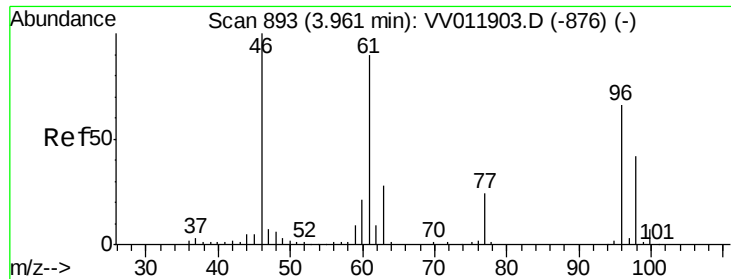
#21
 2-Butanone
 Concen: 3.833 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 43 Resp: 13872
 Ion Ratio Lower Upper
 43 100
 72 11.4 11.2 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



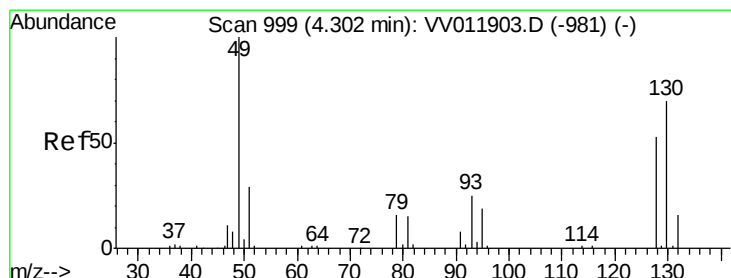
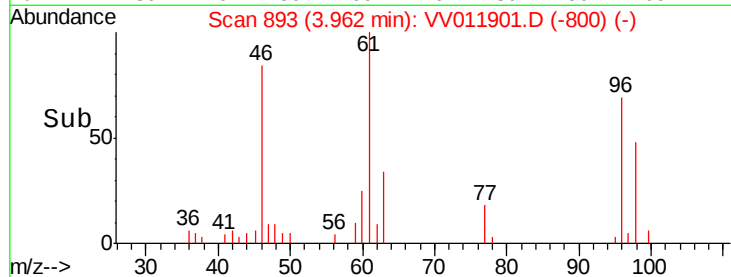
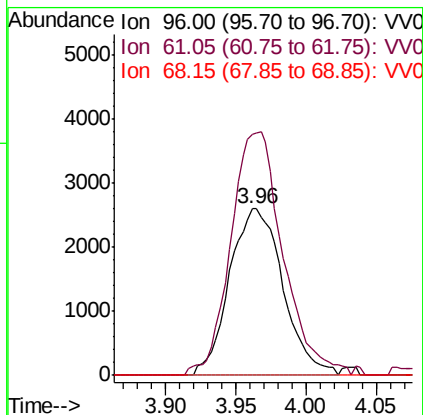
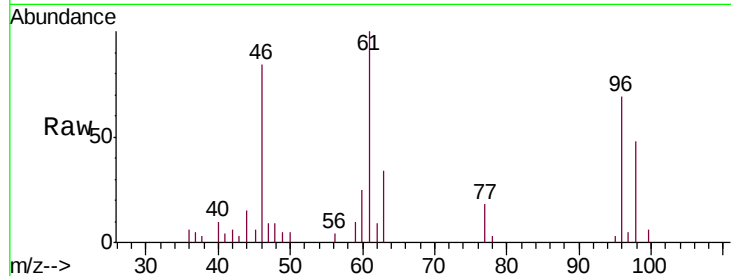


#22

cis-1,2-Dichloroethene
 Concen: 0.447 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

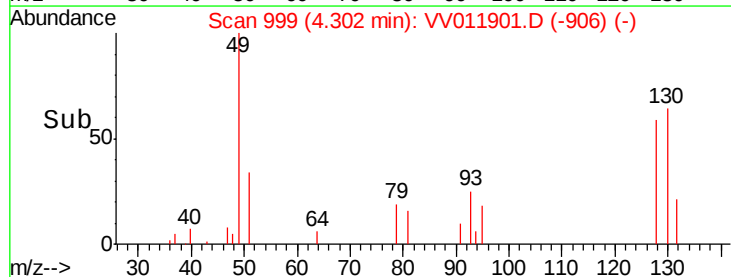
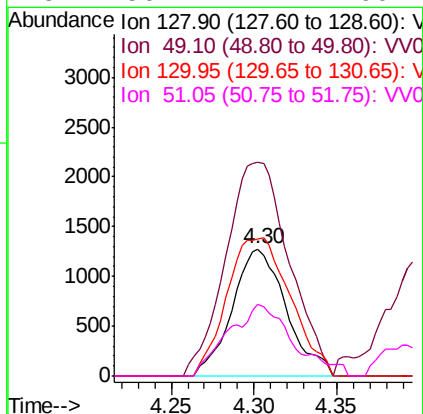
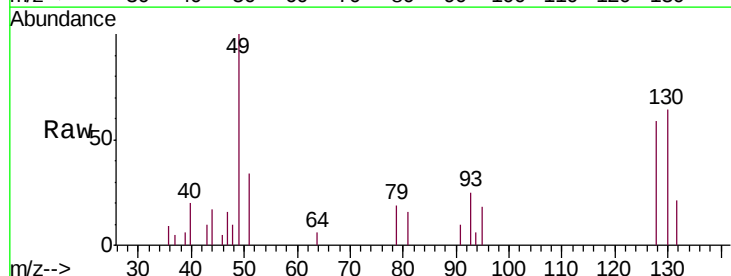
Tgt Ion: 96 Resp: 6899
 Ion Ratio Lower Upper
 96 100
 61 144.9 95.2 176.8
 68 0.0 0.0 0.0

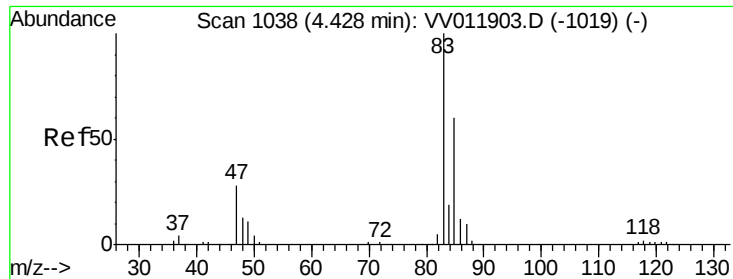


#23

Bromochloromethane
 Concen: 0.445 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 128 Resp: 2891
 Ion Ratio Lower Upper
 128 100
 49 168.1 132.5 246.1
 130 107.8 92.1 171.1
 51 56.7 44.2 66.2

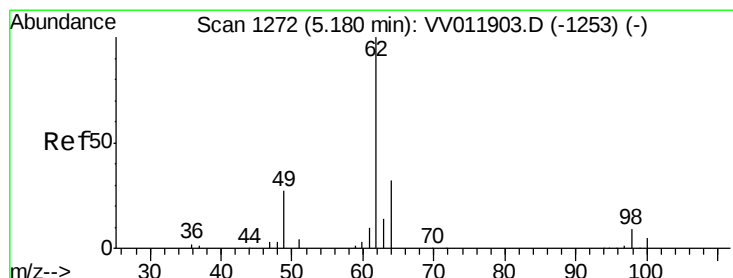
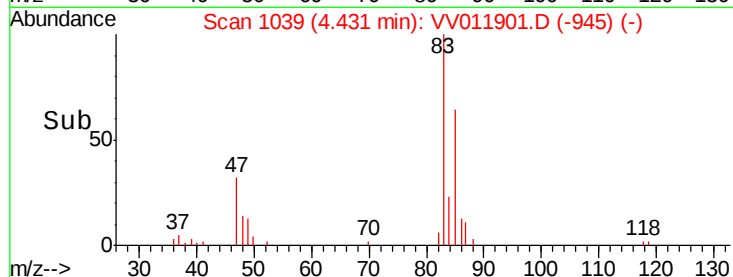
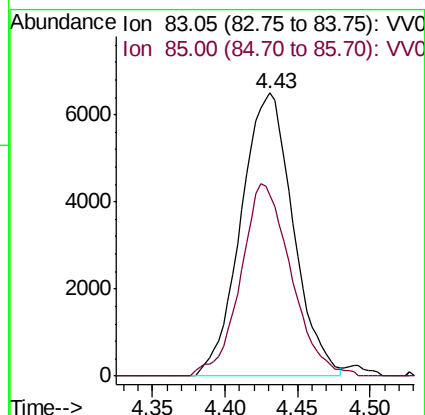
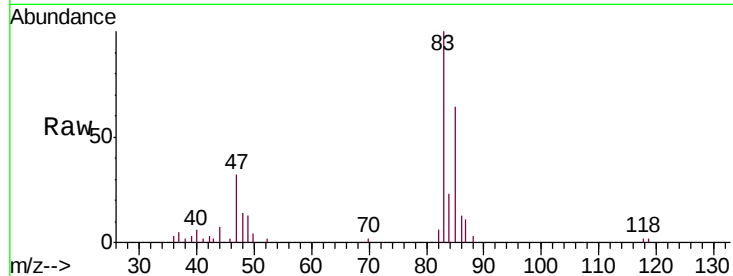




#25
Chloroform
Concen: 0.539 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

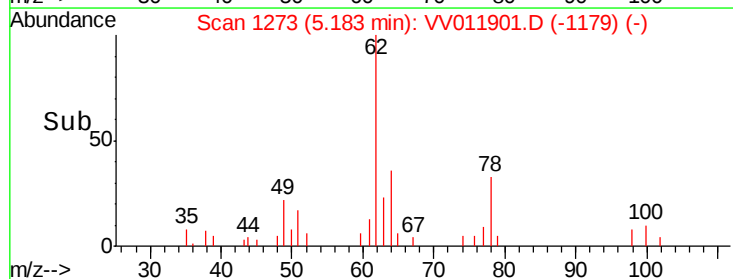
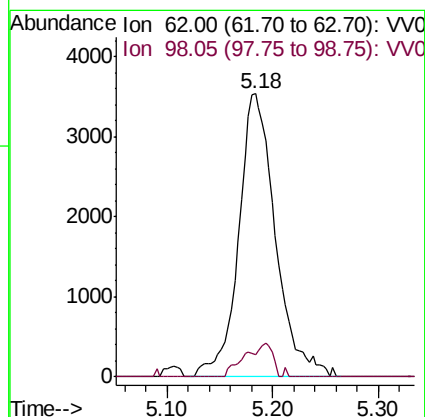
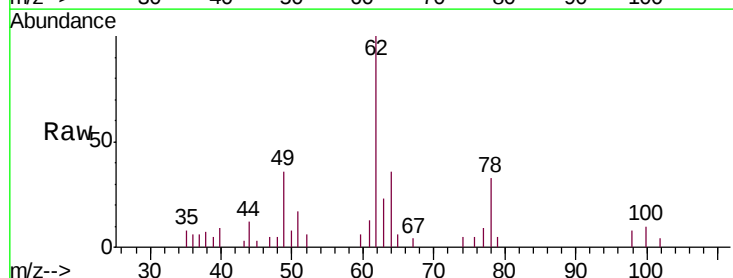
Instrument :
MSVOA_V
ClientSampled :
VSTD0.536

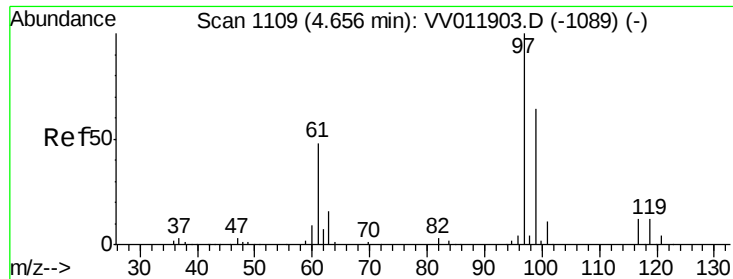
Tgt Ion: 83 Resp: 16257
Ion Ratio Lower Upper
83 100
85 64.0 42.5 78.9



#27
1,2-Dichloroethane
Concen: 0.493 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion: 62 Resp: 8606
Ion Ratio Lower Upper
62 100
98 7.7 7.2 10.8

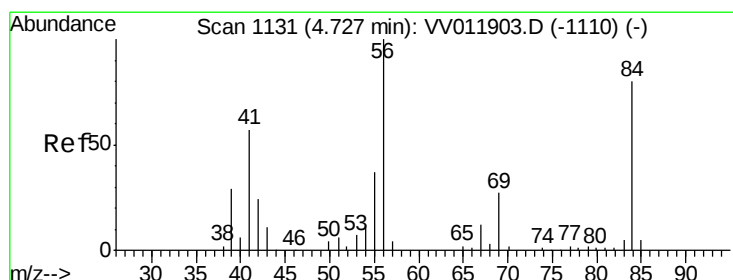
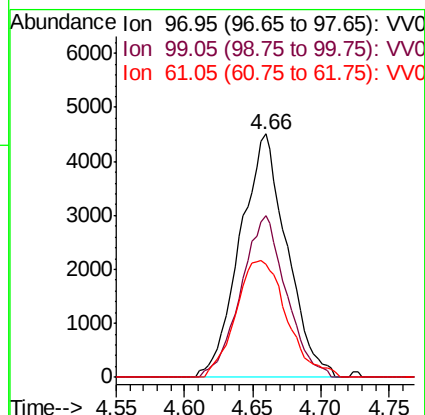
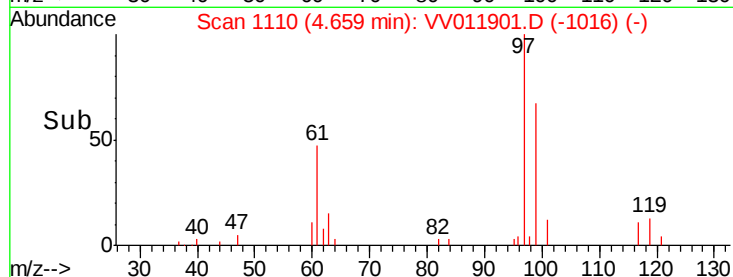
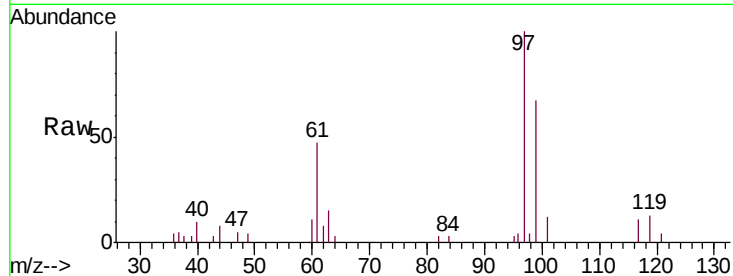




#29
1,1,1-Trichloroethane
Concen: 0.441 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

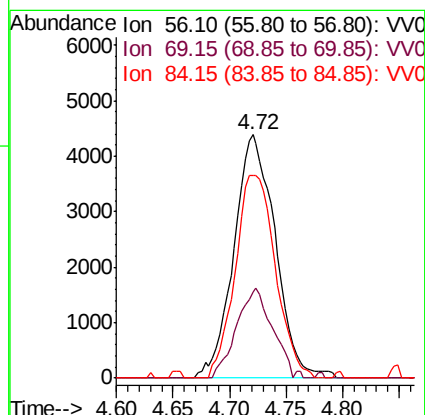
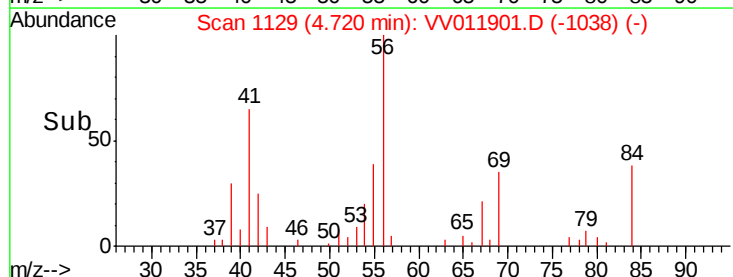
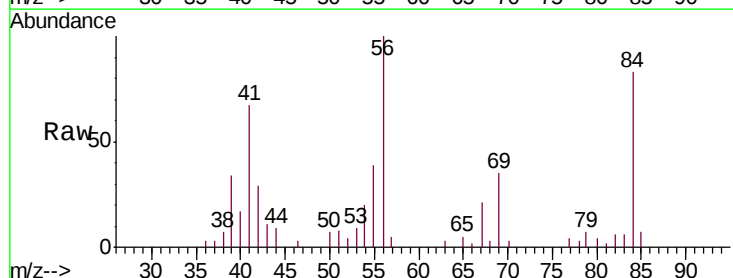
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

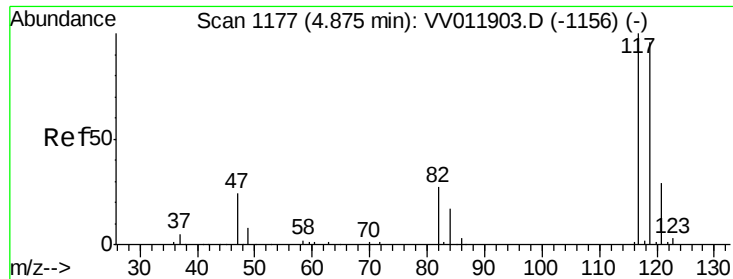
Tgt Ion: 97 Resp: 10764
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 52.3 38.6 57.8



#30
Cyclohexane
Concen: 0.441 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion: 56 Resp: 11181
Ion Ratio Lower Upper
56 100
69 32.1 23.8 35.8
84 80.7 66.3 99.5





#31

Carbon tetrachloride

Concen: 0.450 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

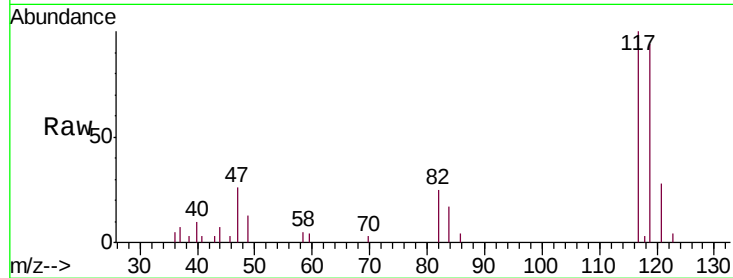
VSTD0.536

Tgt Ion:117 Resp: 9336

Ion Ratio Lower Upper

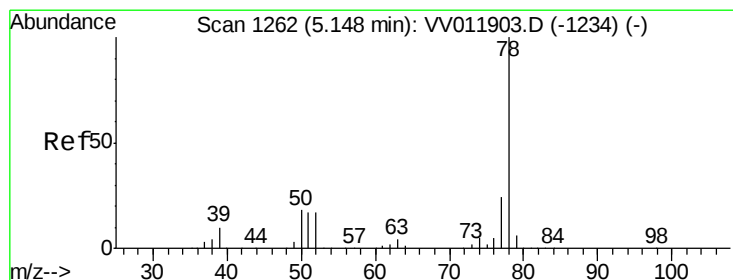
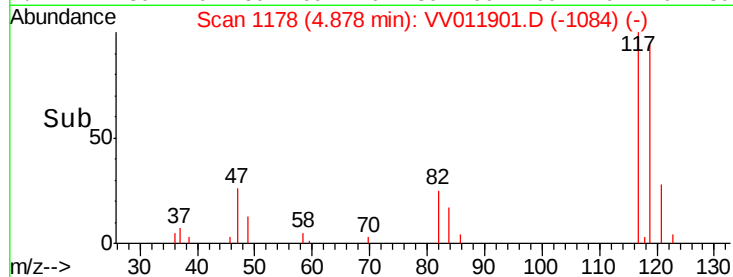
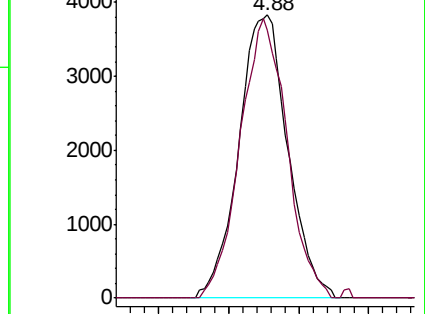
117 100

119 94.0 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.453 ug/L

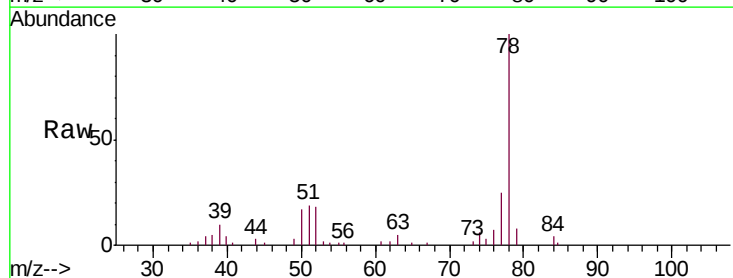
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

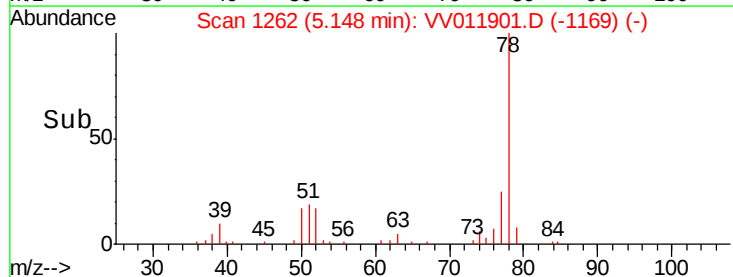
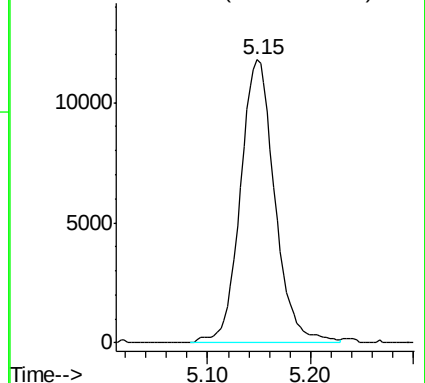
Lab File: VV011901.D

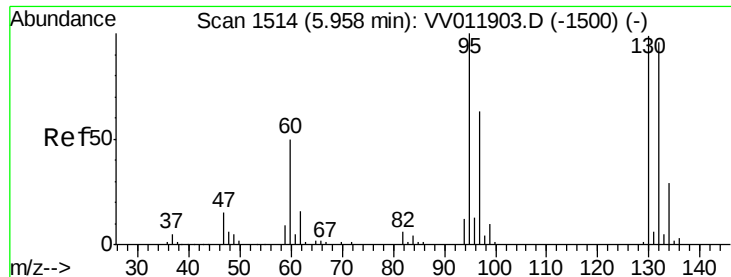
Acq: 17 Jul 2019 10:08

Tgt Ion: 78 Resp: 27352



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.477 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tgt Ion: 95 Resp: 8187

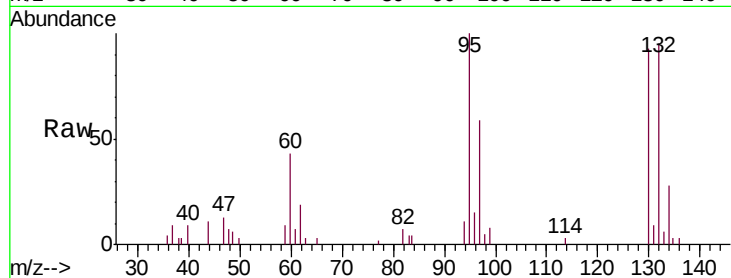
Ion Ratio Lower Upper

95 100

97 58.6 44.0 81.6

132 94.8 67.0 124.4

130 92.7 69.1 128.3

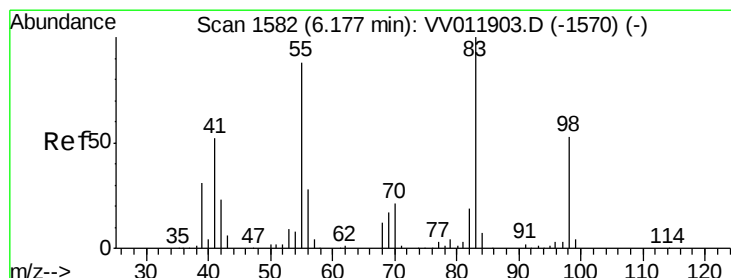
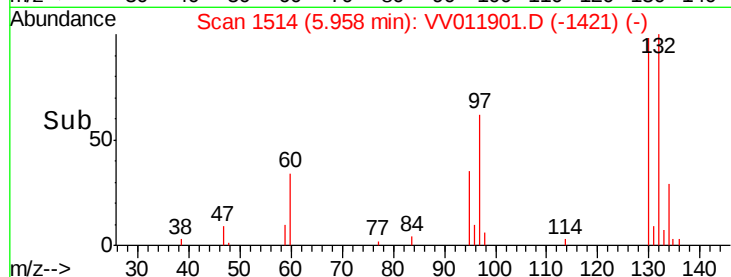
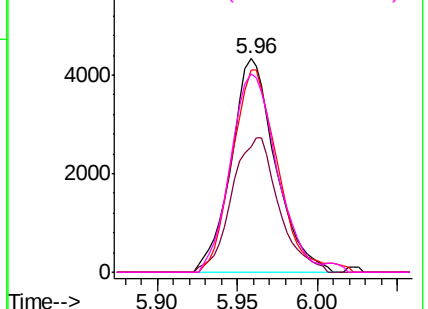


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.444 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

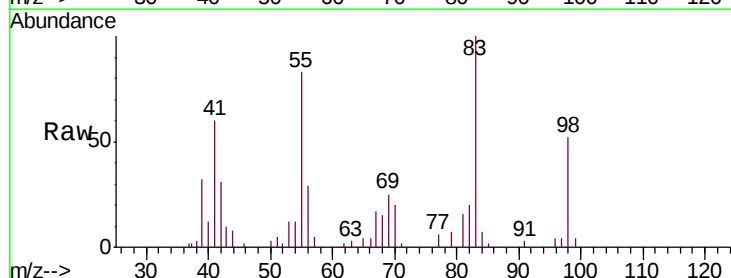
Tgt Ion: 83 Resp: 11080

Ion Ratio Lower Upper

83 100

55 84.8 66.7 100.1

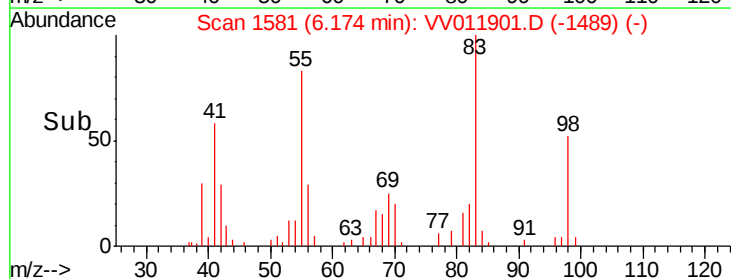
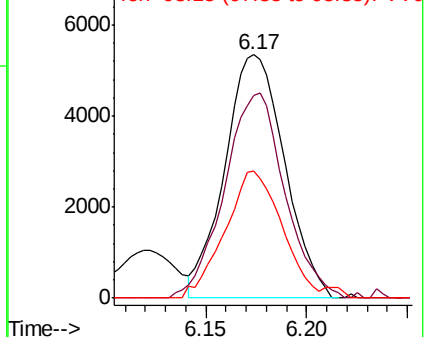
98 49.5 39.0 58.4

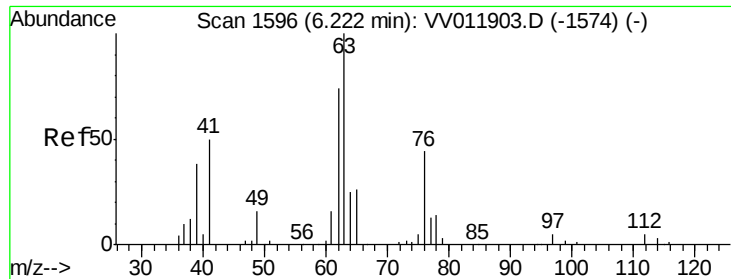


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

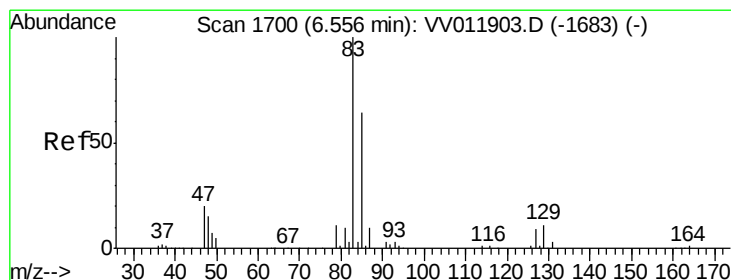
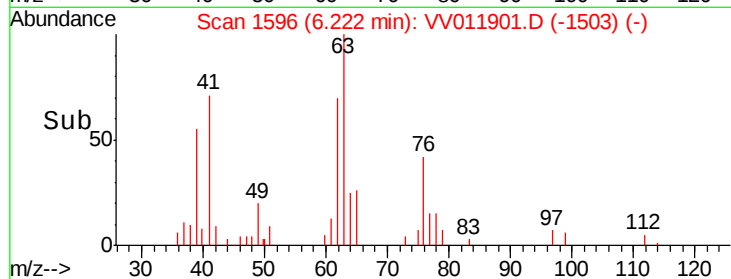
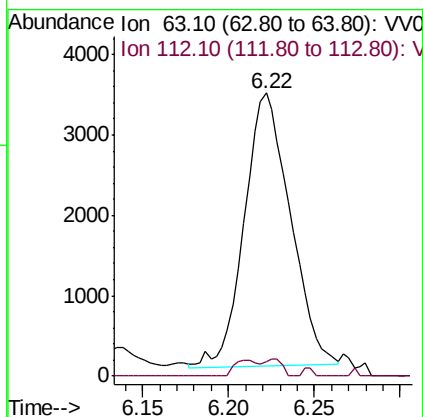
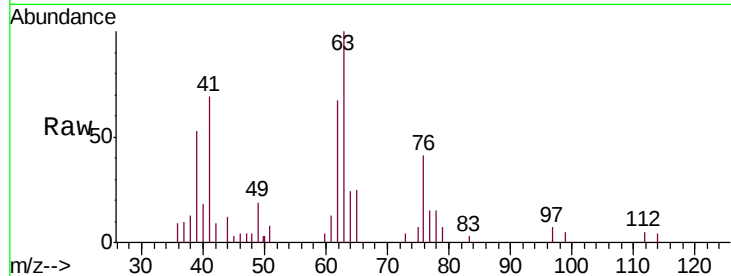




#37
 1,2-Dichloropropane
 Concen: 0.419 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

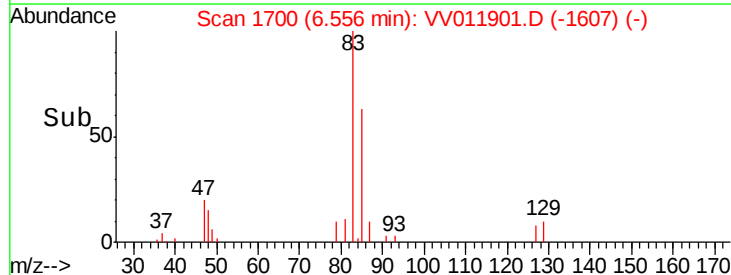
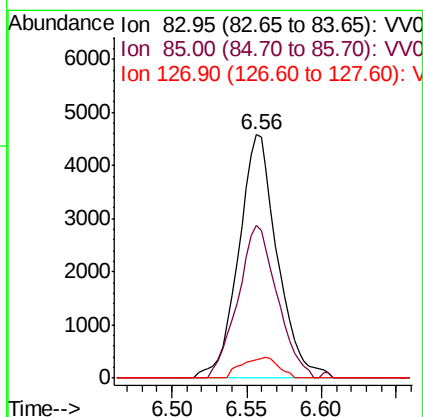
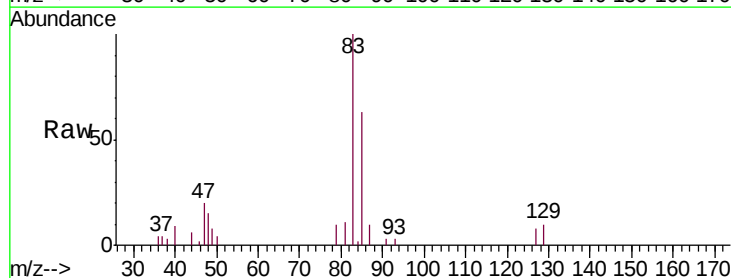
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

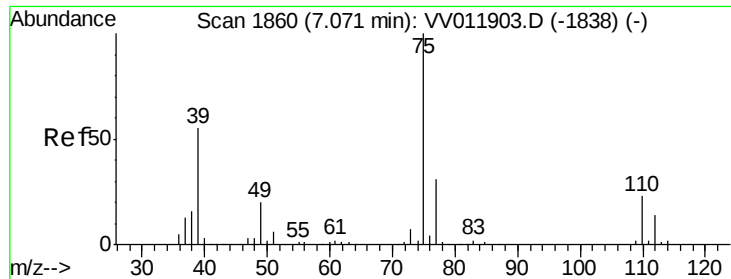
Tgt Ion: 63 Resp: 6308
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.459 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 83 Resp: 8245
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.1 83.7
 127 7.7 7.1 10.7

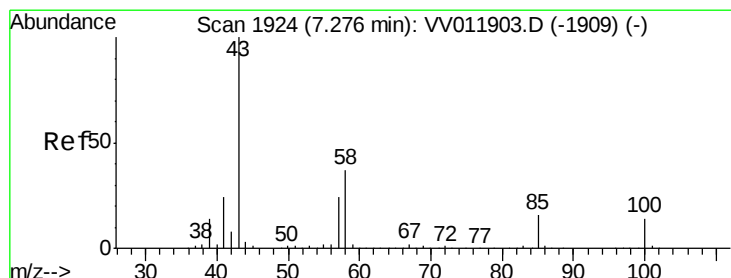
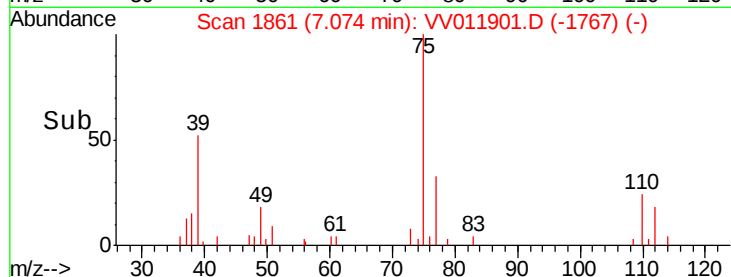
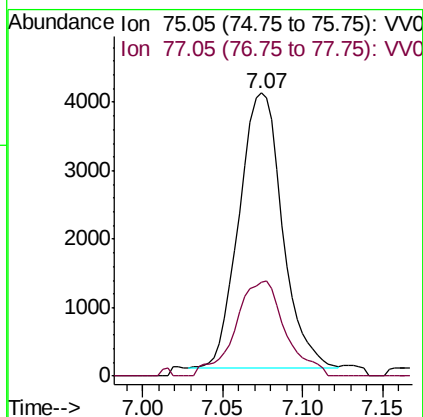
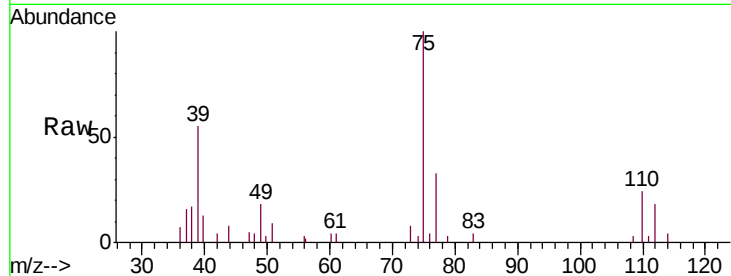




#39
 cis-1,3-Dichloropropene
 Concen: 0.366 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

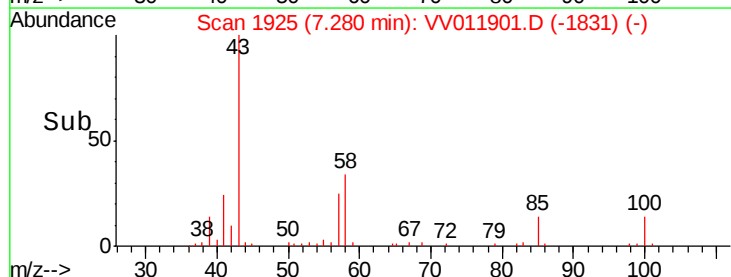
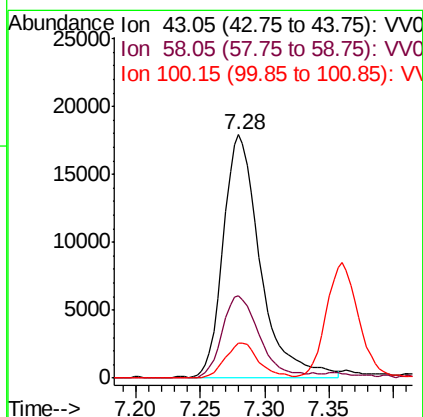
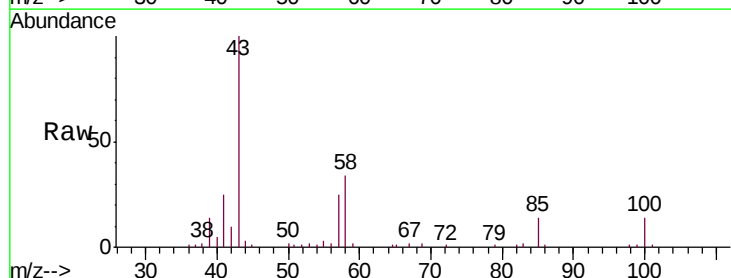
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

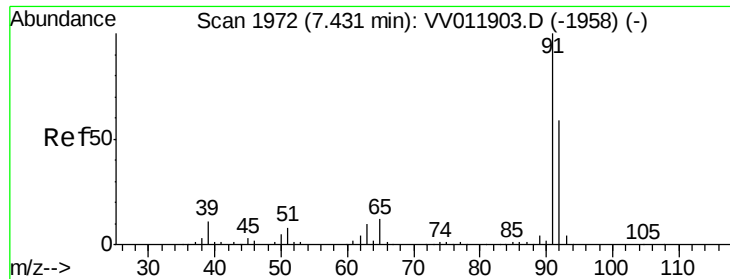
Tgt Ion: 75 Resp: 7418
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 4.046 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 43 Resp: 35926
 Ion Ratio Lower Upper
 43 100
 58 34.1 29.4 44.2
 100 13.3 11.1 16.7





#42

Toluene

Concen: 0.423 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

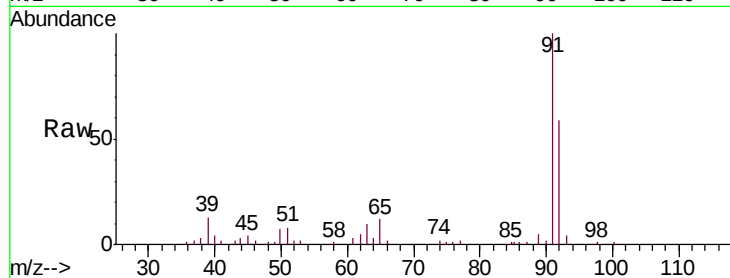
VSTD0.536

Tgt Ion: 91 Resp: 26581

Ion Ratio Lower Upper

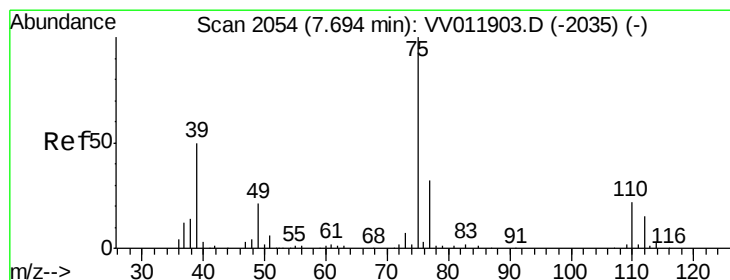
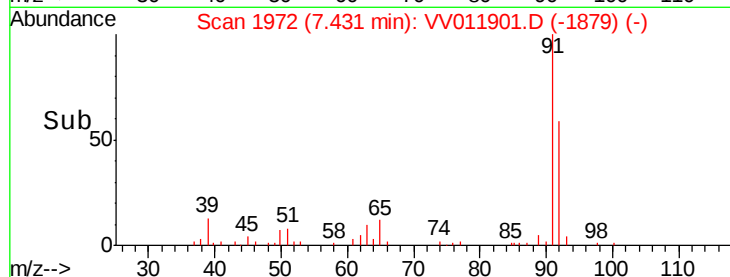
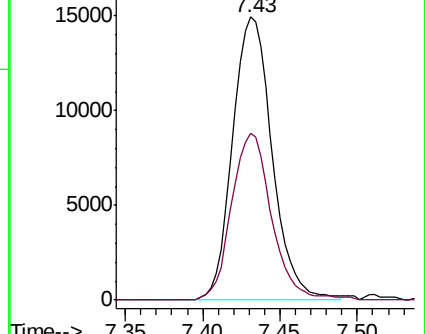
91 100

92 58.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.407 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV011901.D

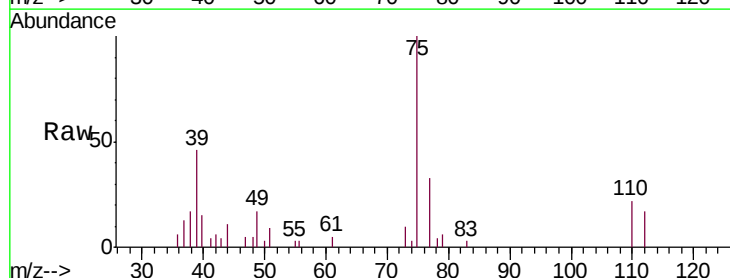
Acq: 17 Jul 2019 10:08

Tgt Ion: 75 Resp: 6486

Ion Ratio Lower Upper

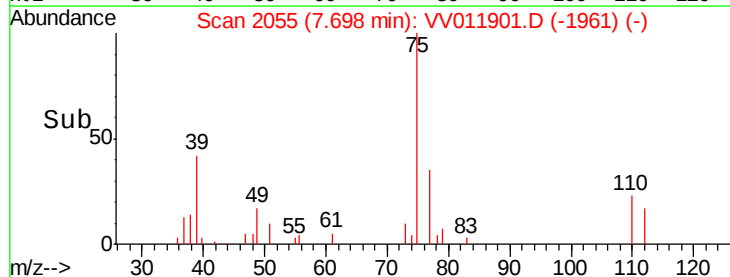
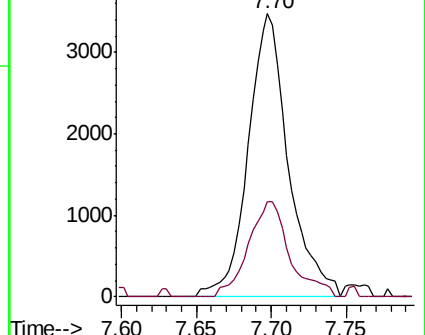
75 100

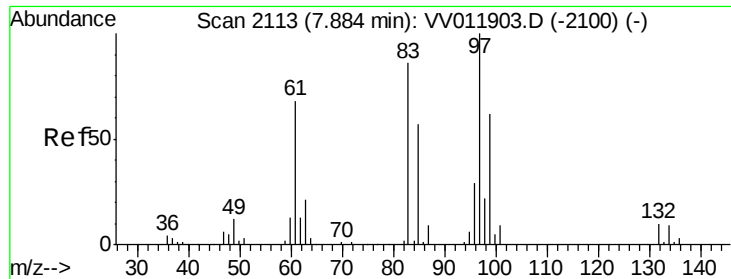
77 33.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

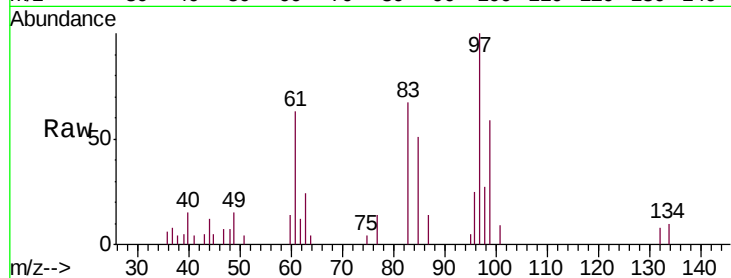




#45
 1,1,2-Trichloroethane
 Concen: 0.486 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:	97	Resp:	4868
Ion	Ratio	Lower	Upper
97	100		
99	59.5	43.5	80.7
83	66.9	60.5	112.3
85	50.6	39.6	73.6



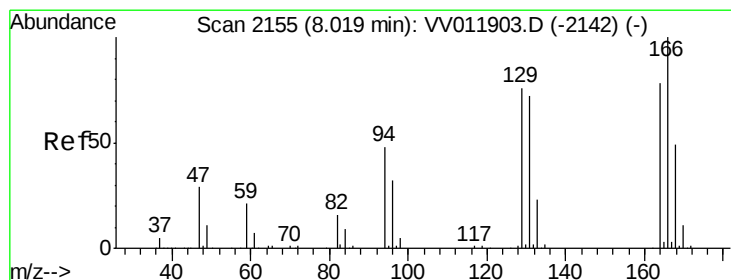
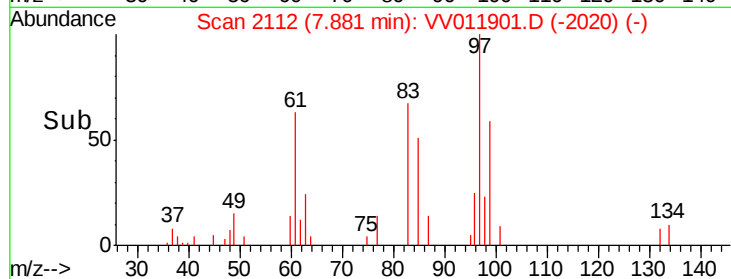
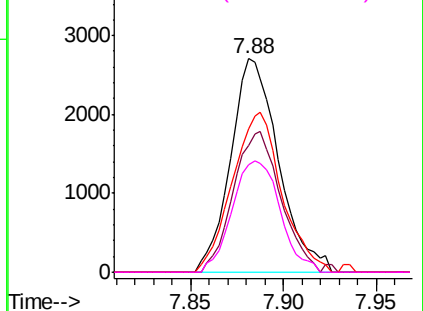
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

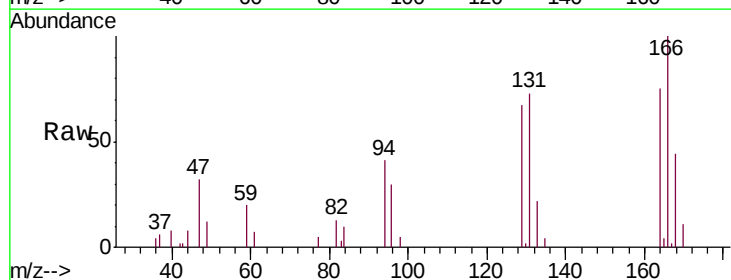
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.461 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion:	164	Resp:	5778
Ion	Ratio	Lower	Upper
164	100		
129	89.4	68.6	127.4
131	96.4	64.6	120.0
166	132.7	89.7	166.7



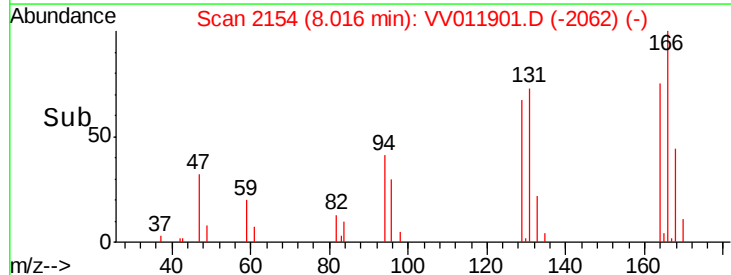
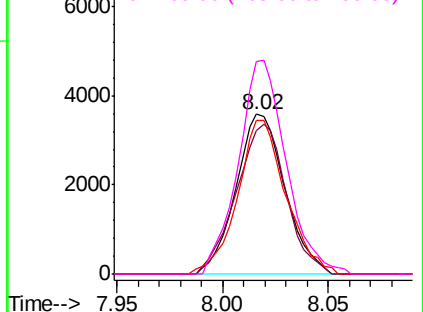
Abundance

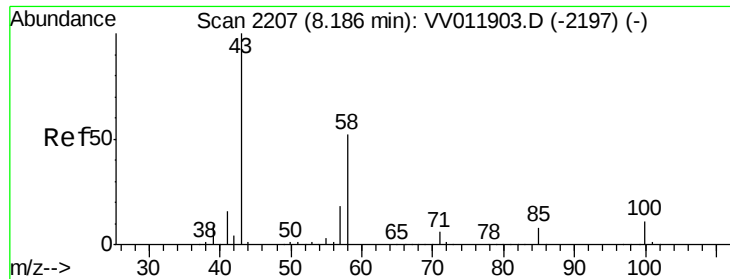
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

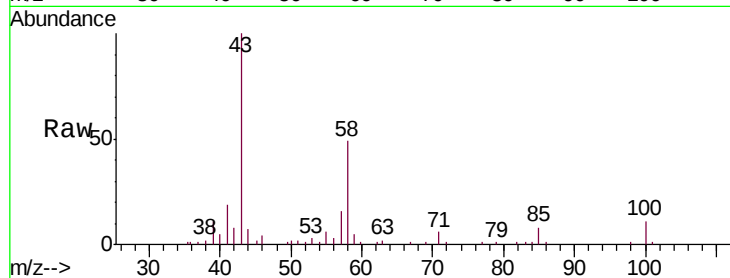




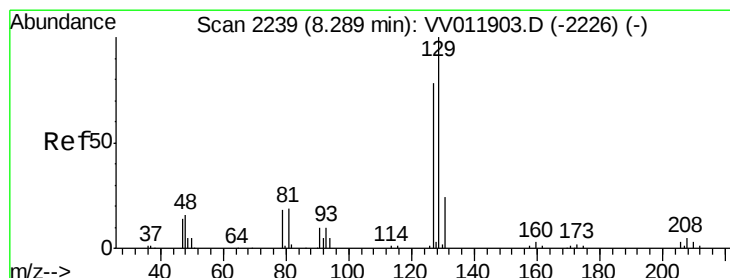
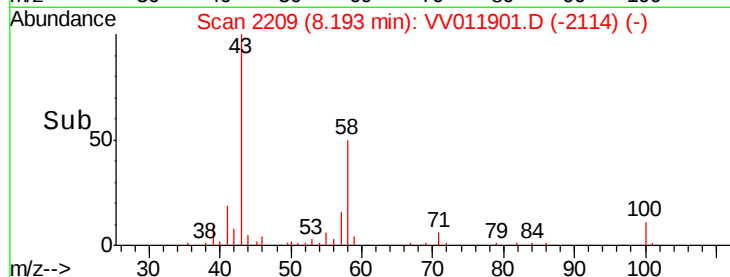
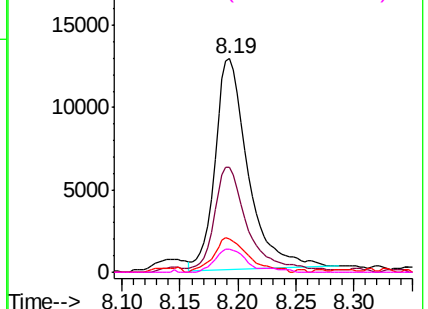
#48
2-Hexanone
Concen: 3.973 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion: 43 Resp: 25407
Ion Ratio Lower Upper
43 100
58 47.7 41.1 61.7
57 17.1 14.3 21.5
100 11.2 8.7 13.1

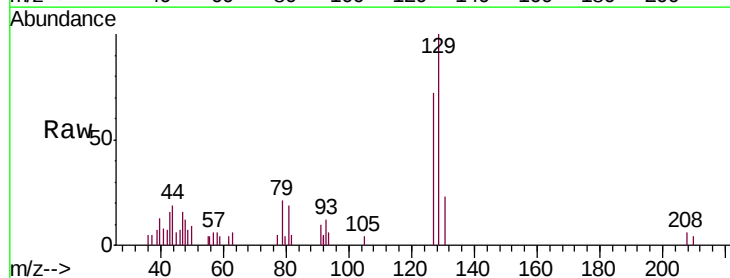


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

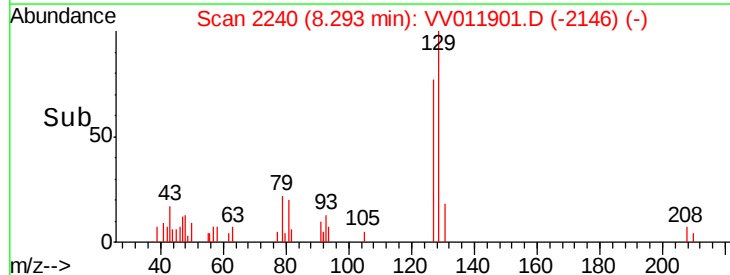
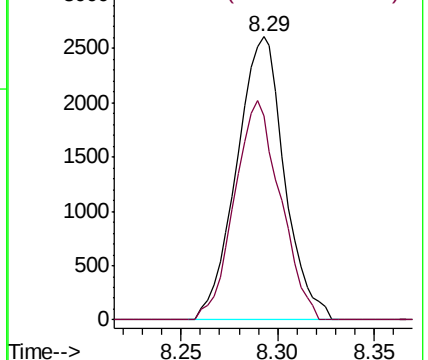


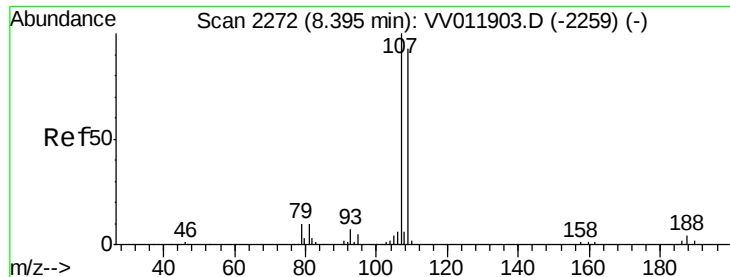
#49
Dibromochloromethane
Concen: 0.406 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion: 129 Resp: 4492
Ion Ratio Lower Upper
129 100
127 71.9 54.3 100.9



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

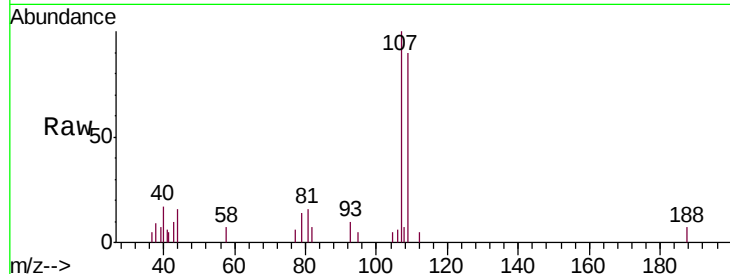




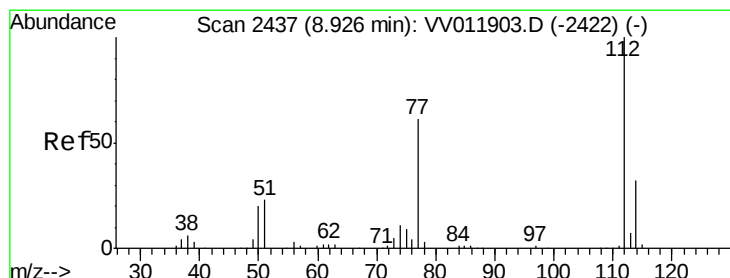
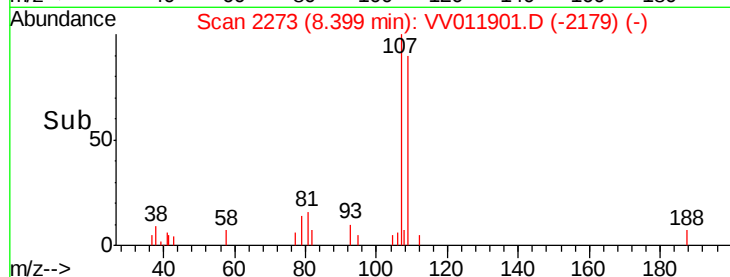
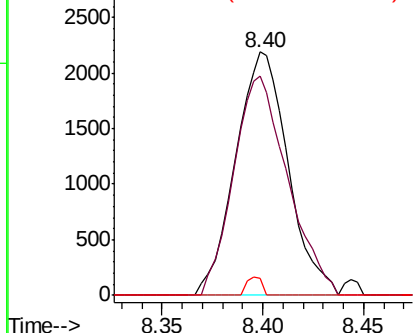
#50
1,2-Dibromoethane
Concen: 0.430 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:107 Resp: 3988
Ion Ratio Lower Upper
107 100
109 90.2 65.2 121.2
188 6.8 2.9 4.3#

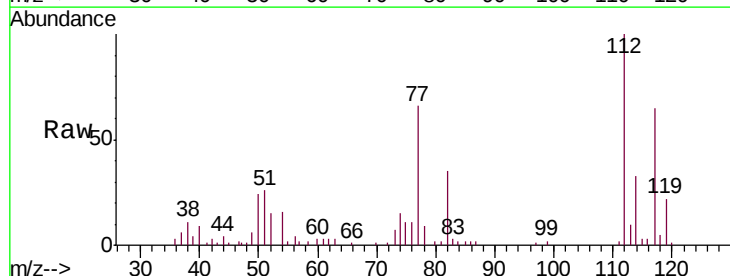


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

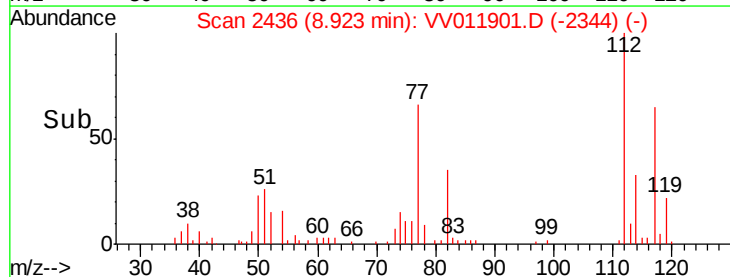
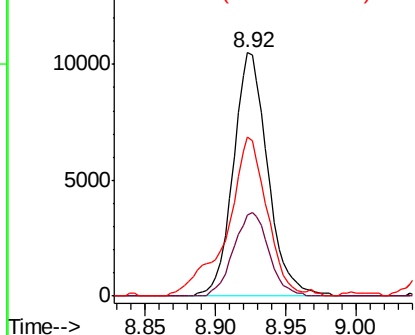


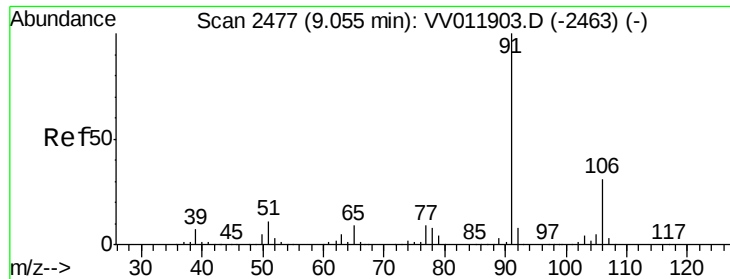
#51
Chlorobenzene
Concen: 0.442 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011901.D
Acq: 17 Jul 2019 10:08

Tgt Ion:112 Resp: 17966
Ion Ratio Lower Upper
112 100
114 33.2 22.6 42.0
77 65.6 48.6 73.0



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





#52

Ethylbenzene

Concen: 0.420 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

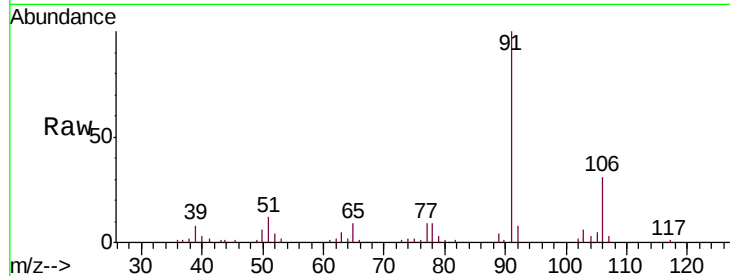
VSTD0.536

Tgt Ion: 91 Resp: 29210

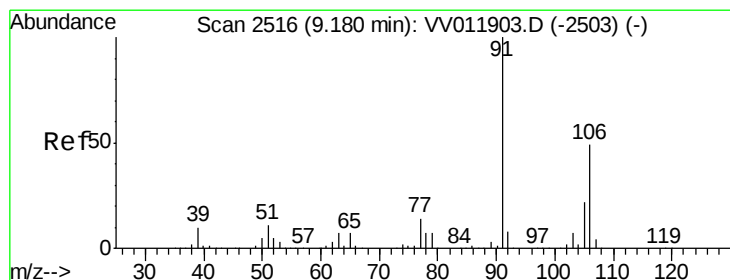
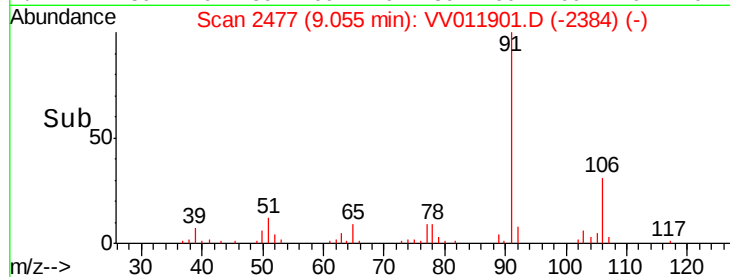
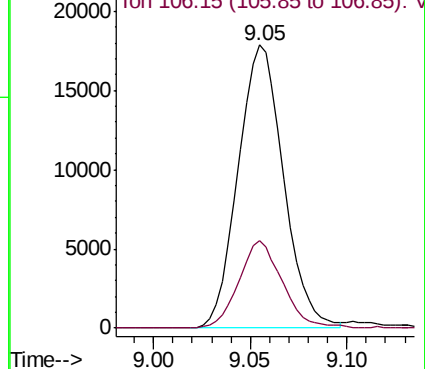
Ion Ratio Lower Upper

91 100

106 30.8 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV011903.D (-2463) (-)



#53

m,p-xylene

Concen: 0.414 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011901.D

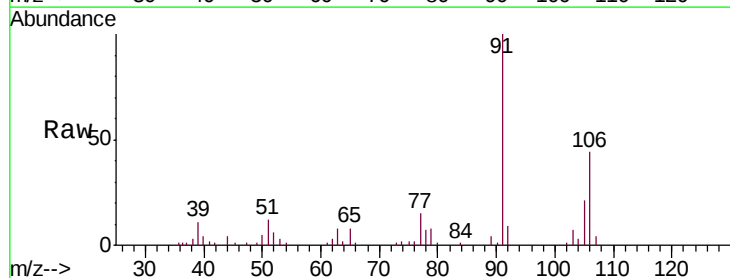
Acq: 17 Jul 2019 10:08

Tgt Ion: 106 Resp: 10630

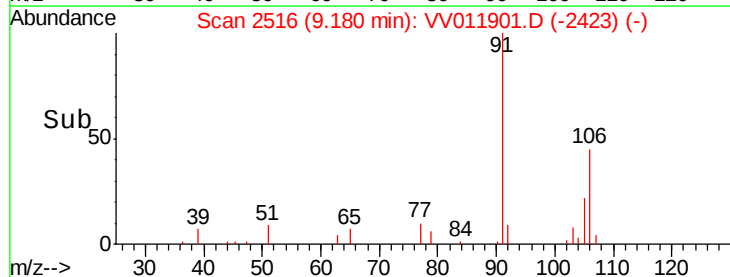
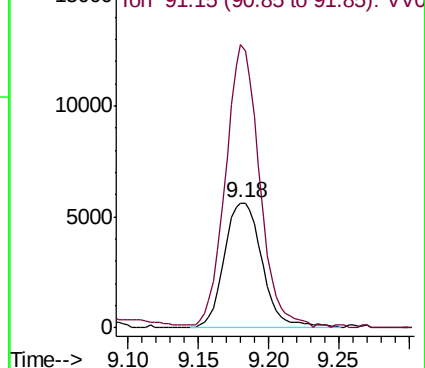
Ion Ratio Lower Upper

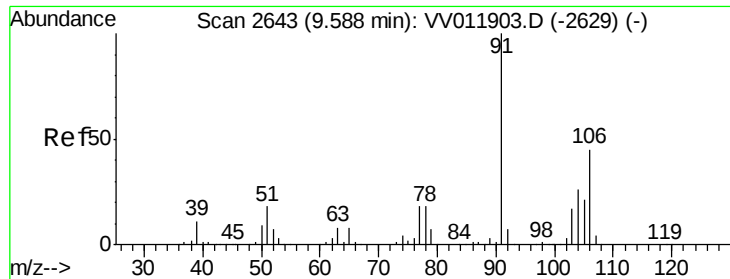
106 100

91 226.5 141.8 263.4



Abundance Ion 106.15 (105.85 to 106.85): VV011903.D (-2503) (-)





#54

o-xylene

Concen: 0.386 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

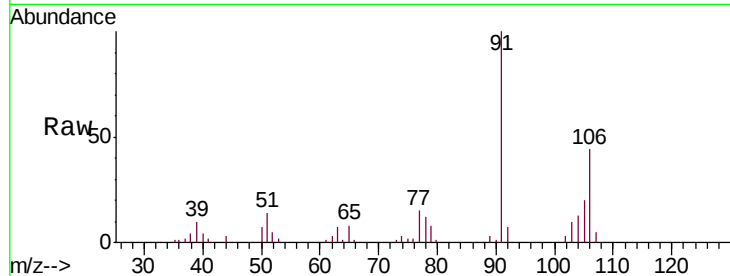
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:106 Resp: 9430

Ion Ratio Lower Upper

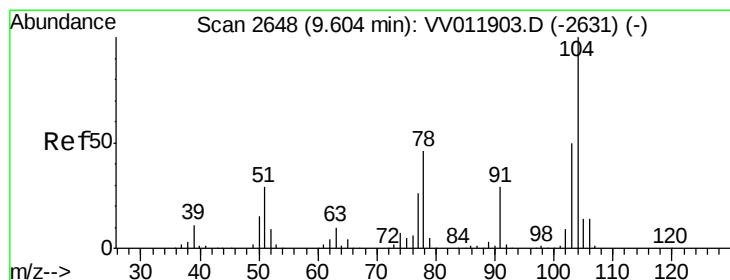
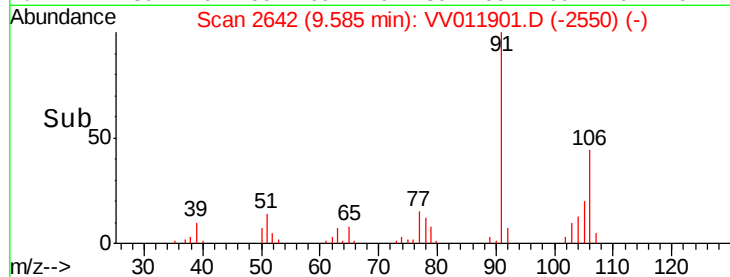
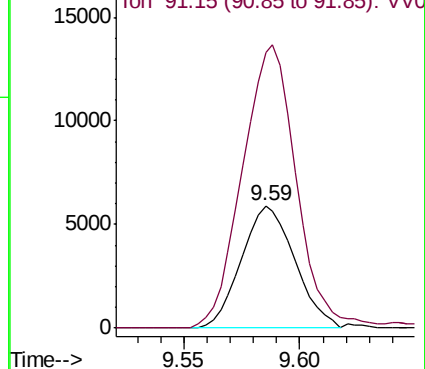
106 100

91 225.3 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.372 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011901.D

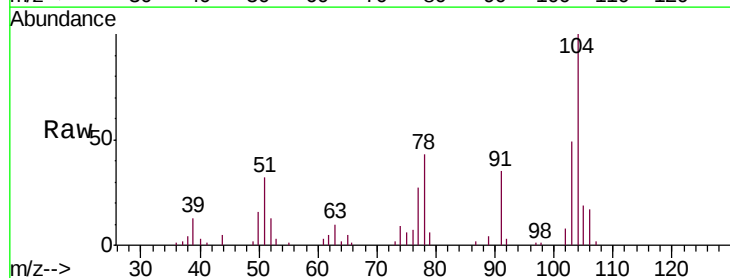
Acq: 17 Jul 2019 10:08

Tgt Ion:104 Resp: 15306

Ion Ratio Lower Upper

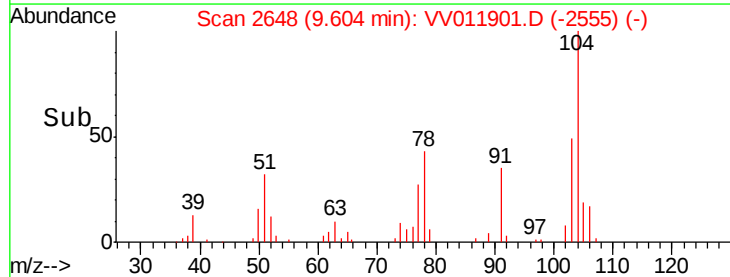
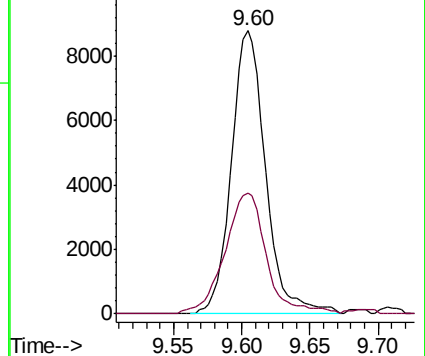
104 100

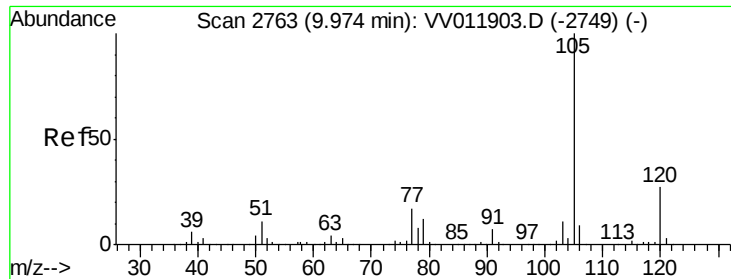
78 42.8 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.396 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

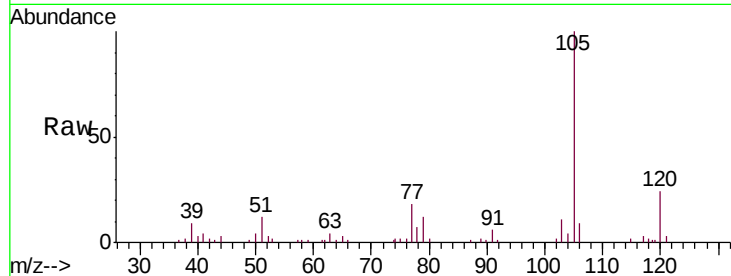
Tgt Ion: 105 Resp: 26395

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

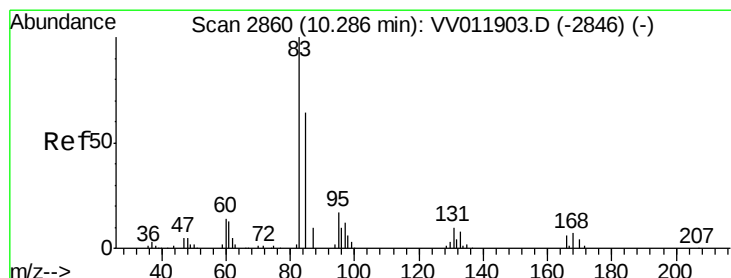
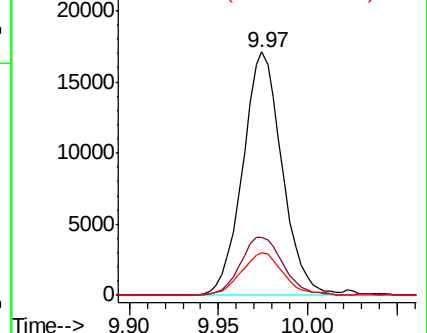
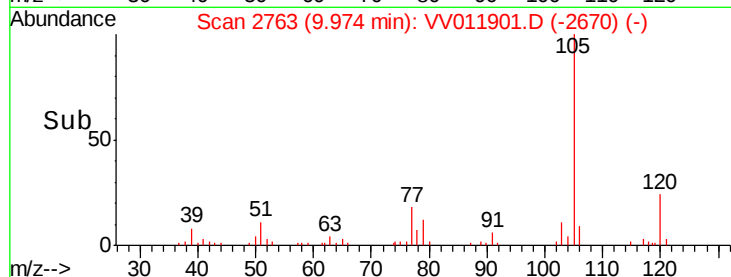
77 18.9 13.3 19.9



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: 0.384 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

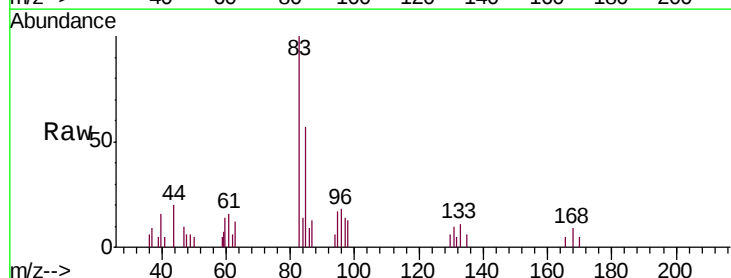
Tgt Ion: 83 Resp: 3775

Ion Ratio Lower Upper

83 100

85 57.1 44.9 83.3

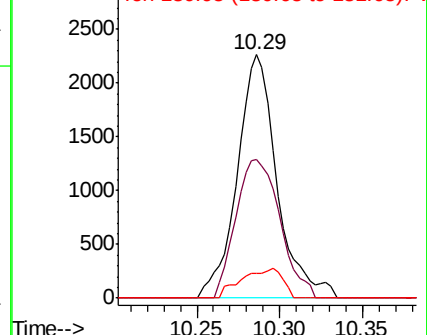
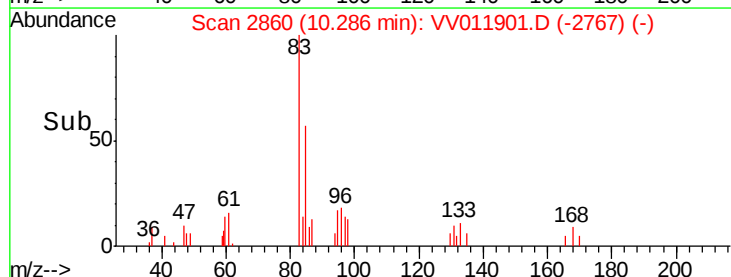
131 10.0 8.2 12.2

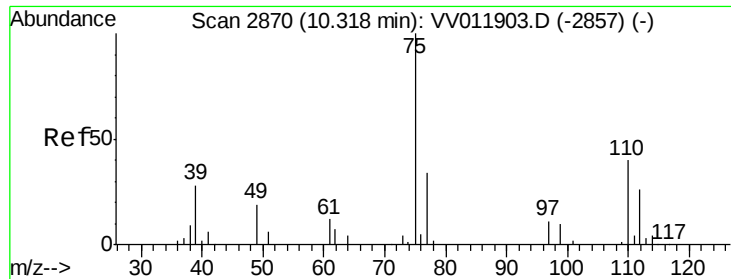


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

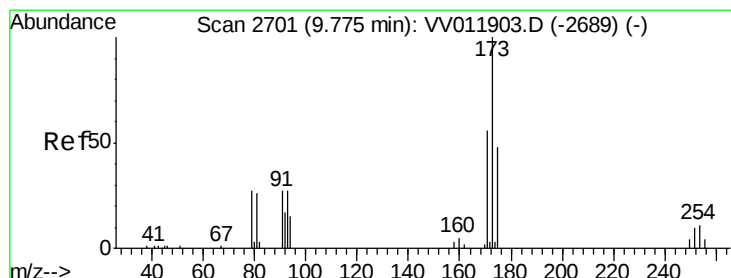
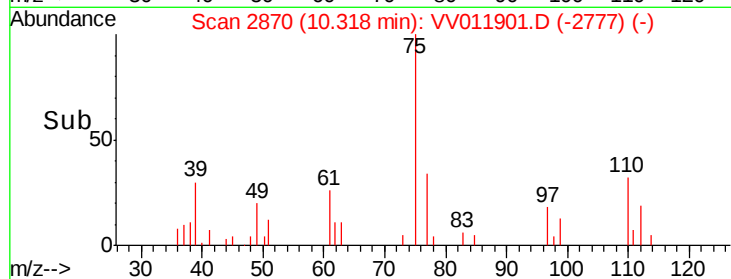
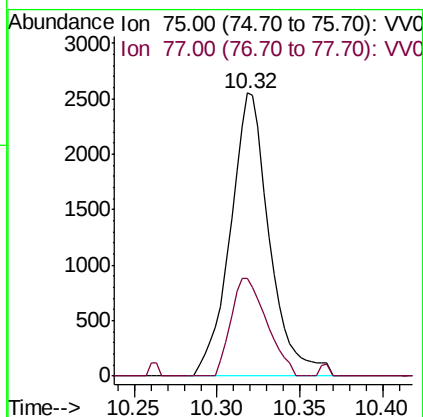
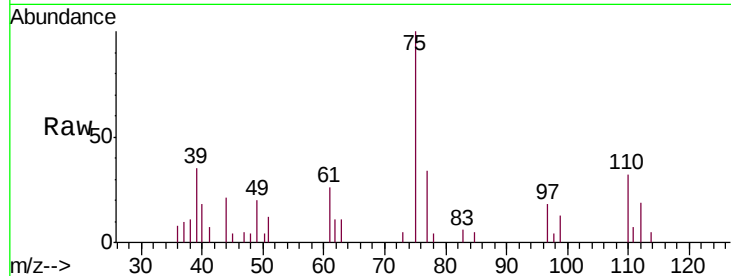




#59
 1,2,3-Trichloropropane
 Concen: 0.472 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

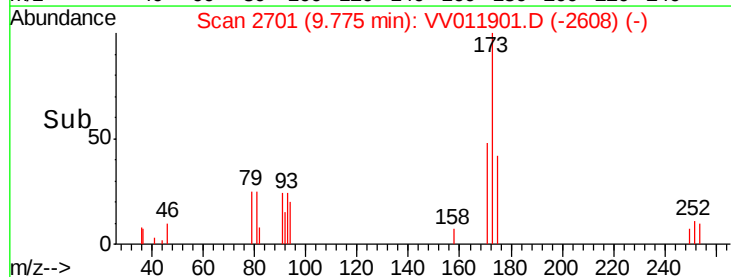
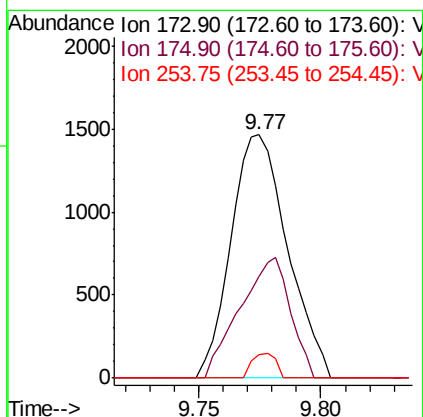
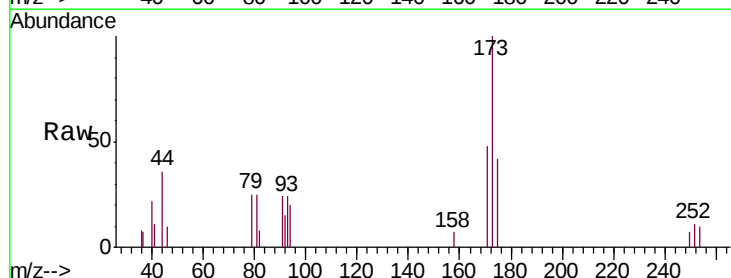
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

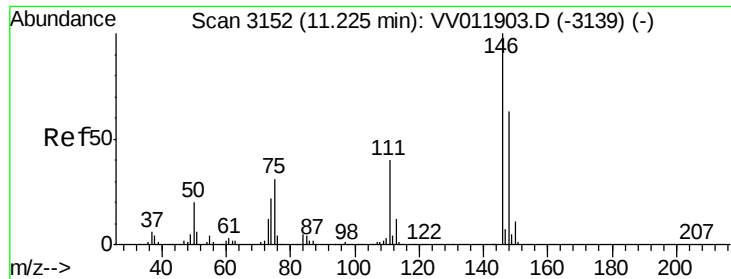
Tgt Ion: 75 Resp: 4188
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.3 39.5



#61
 Bromoform
 Concen: 0.492 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 173 Resp: 2356
 Ion Ratio Lower Upper
 173 100
 175 44.1 39.1 58.7
 254 4.2 7.8 11.8#





#62

1,3-Dichlorobenzene

Concen: 0.485 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

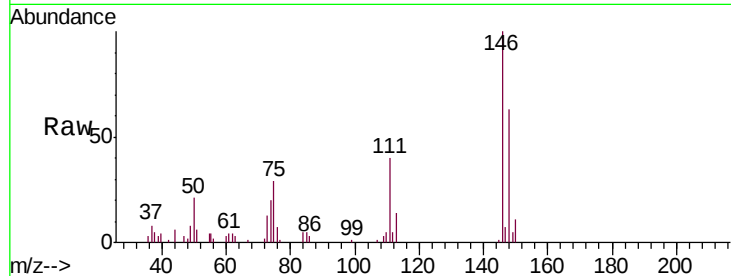
Tgt Ion:146 Resp: 13567

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.1

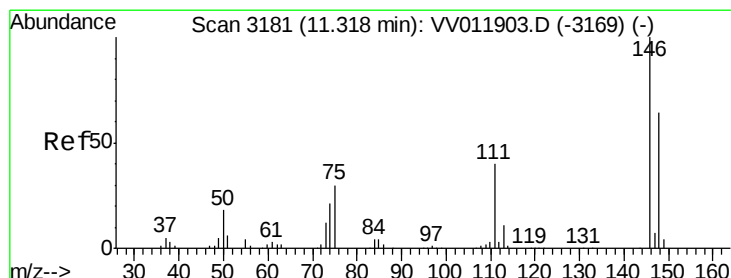
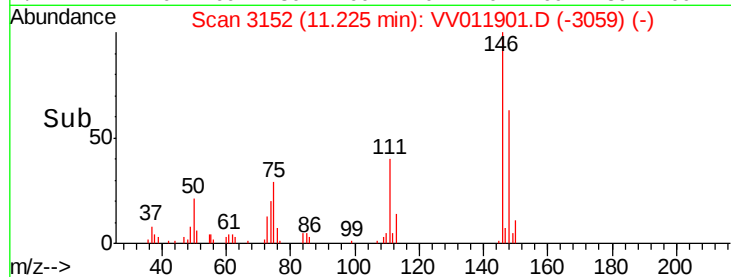
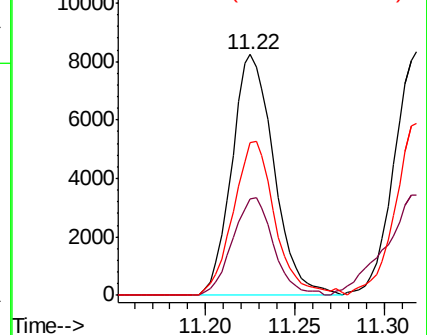
148 63.3 44.3 82.3



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: 0.490 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

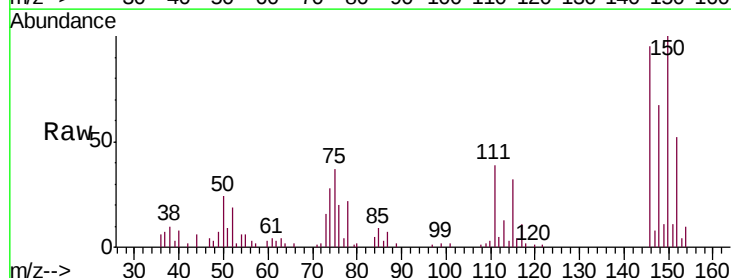
Tgt Ion:146 Resp: 14201

Ion Ratio Lower Upper

146 100

111 41.1 28.0 52.0

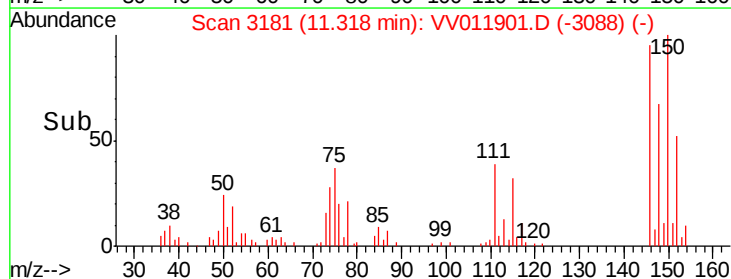
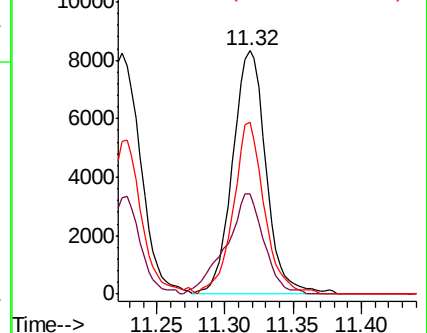
148 70.7 44.5 82.7

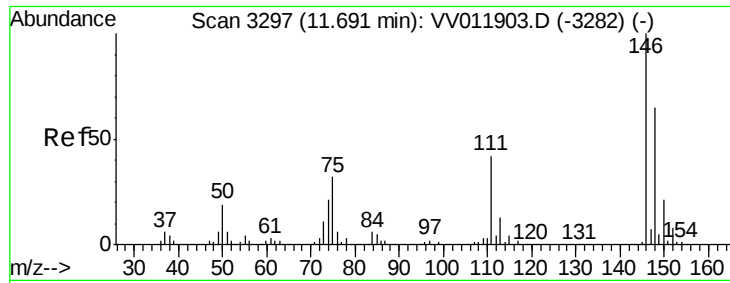


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

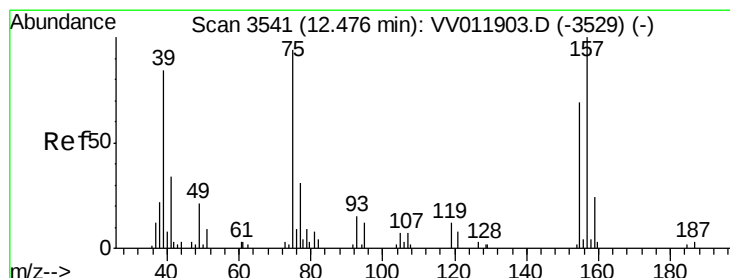
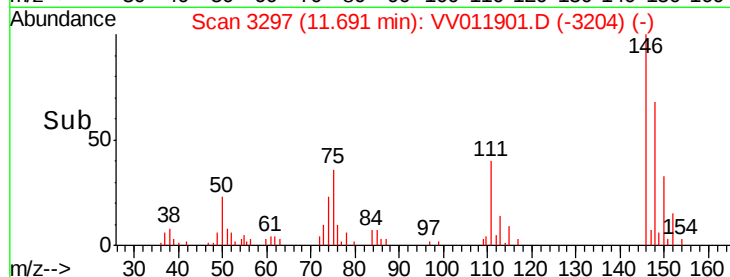
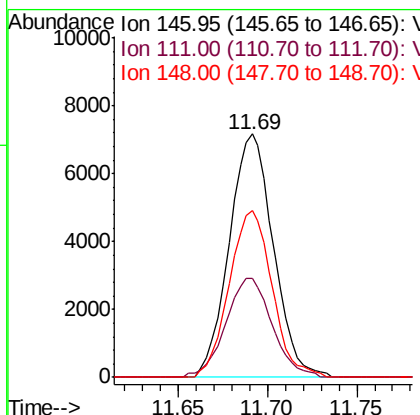
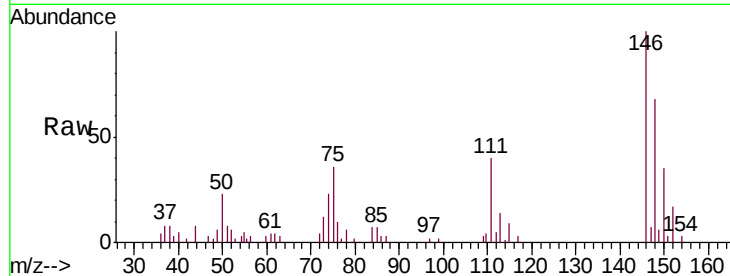




#65
 1,2-Dichlorobenzene
 Concen: 0.465 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

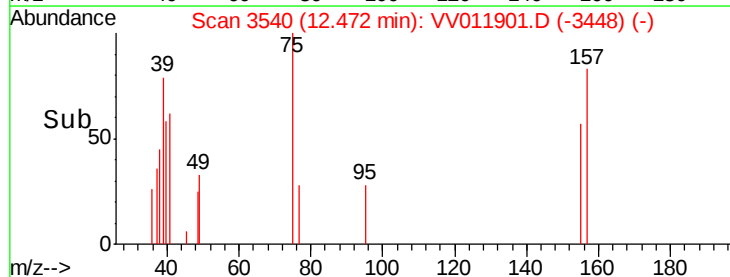
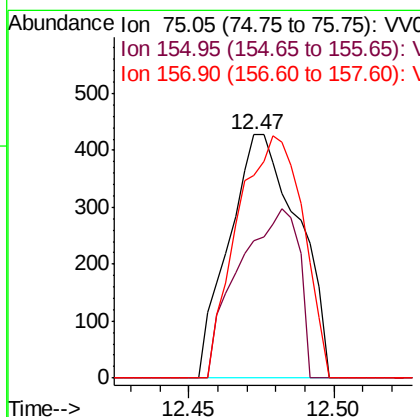
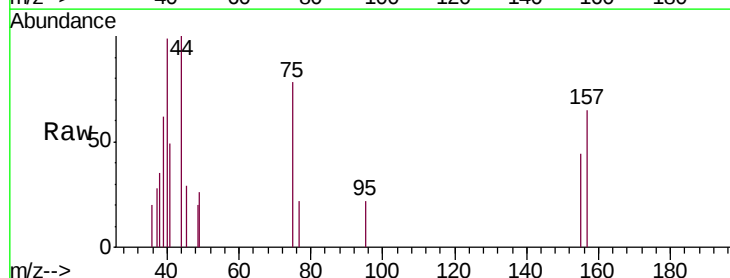
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

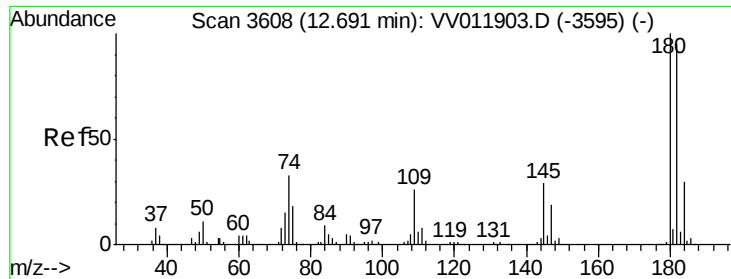
Tgt Ion: 146 Resp: 12314
 Ion Ratio Lower Upper
 146 100
 111 40.5 34.0 51.0
 148 68.4 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.439 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion: 75 Resp: 708
 Ion Ratio Lower Upper
 75 100
 155 56.5 59.4 89.0#
 157 83.2 85.5 128.3#

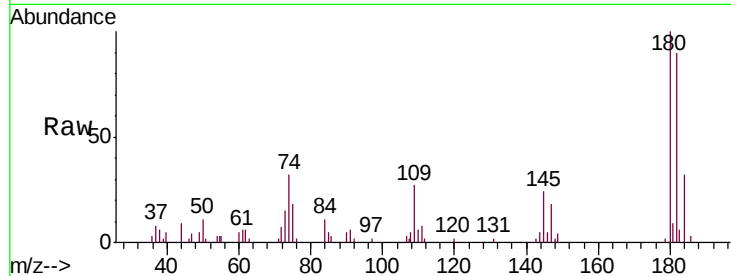




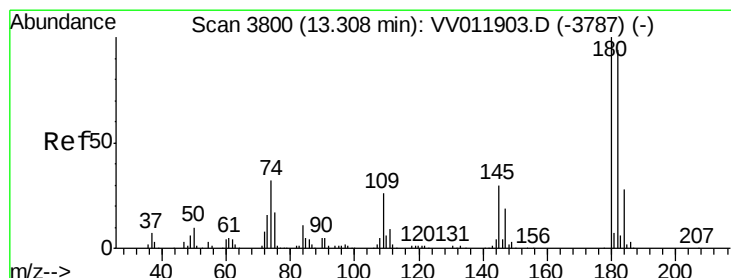
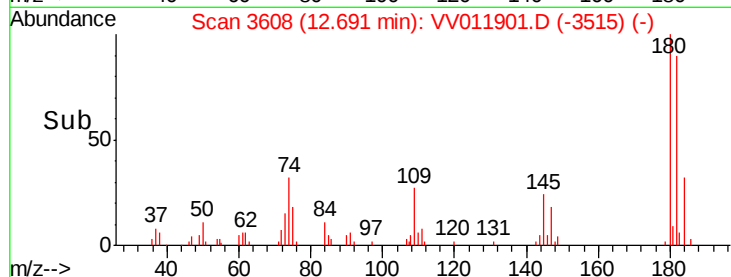
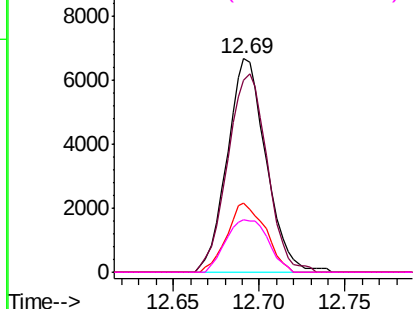
#67
 1,3,5-Trichlorobenzene
 Concen: 0.481 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:180 Resp: 10560
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.5 113.3
 184 31.8 24.2 36.2
 145 26.7 23.5 35.3

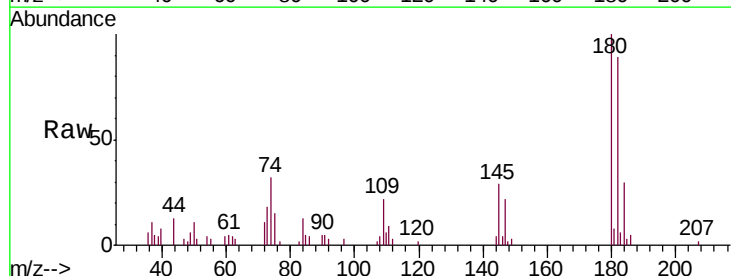


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

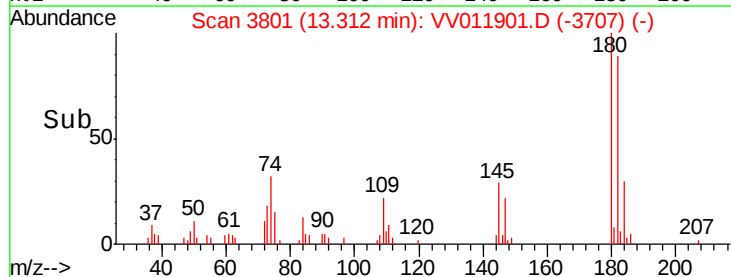
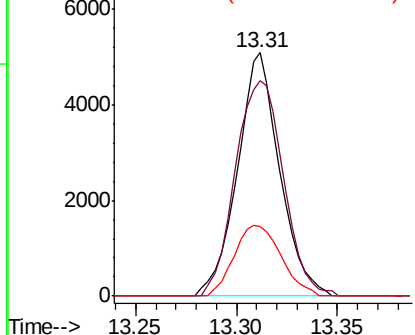


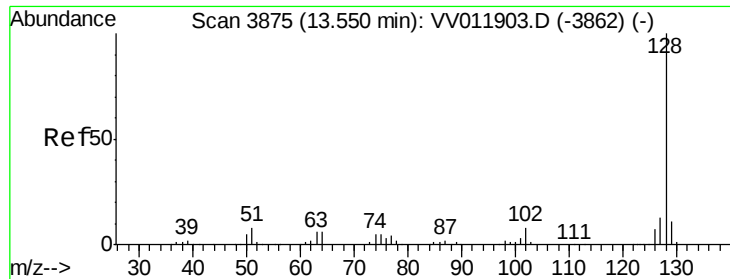
#68
 1,2,4-trichlorobenzene
 Concen: 0.428 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV011901.D
 Acq: 17 Jul 2019 10:08

Tgt Ion:180 Resp: 7477
 Ion Ratio Lower Upper
 180 100
 182 100.8 76.0 114.0
 145 32.3 24.2 36.4



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: 0.388 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

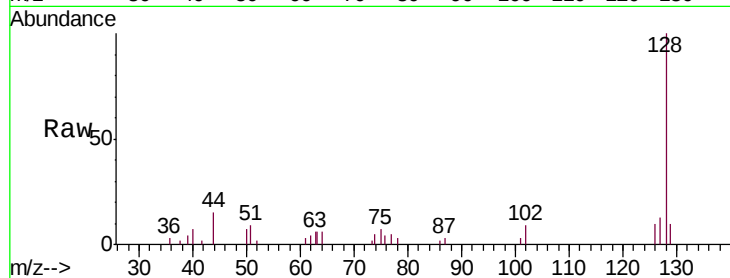
Tgt Ion:128 Resp: 10023

Ion Ratio Lower Upper

128 100

129 9.5 8.6 13.0

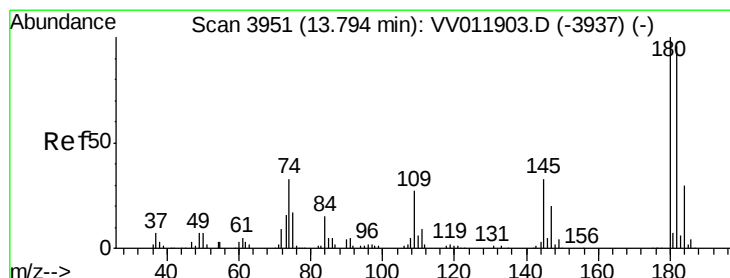
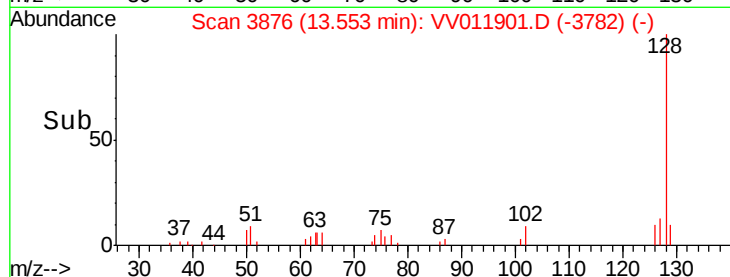
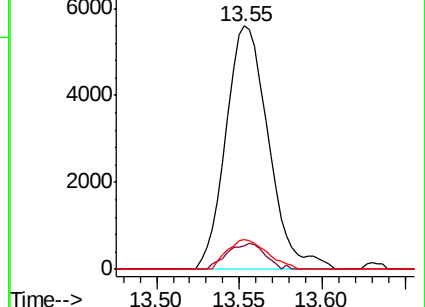
127 11.7 10.7 16.1



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: 0.402 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011901.D

Acq: 17 Jul 2019 10:08

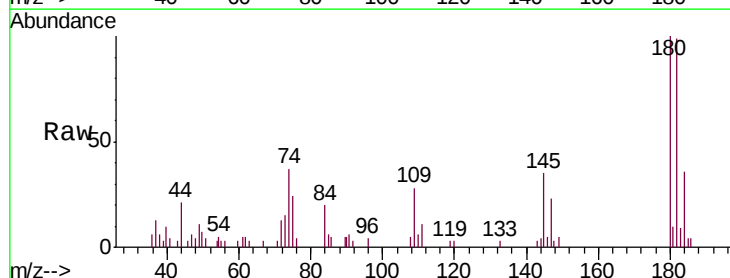
Tgt Ion:180 Resp: 6353

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

145 34.0 26.1 39.1



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

