

Data File : VV010601.D
Acq On : 01 May 2019 12:29
Operator : SY/MD
Sample : VSTD00137
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

Quant Time: May 02 07:58:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 07:54:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	82666	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	80059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	34203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4942	1.08	ug/L	0.00
7) Chloroethane-d5	1.58	69	3263	1.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	9736	1.10	ug/L	0.00
20) 2-Butanone-d5	3.96	46	9995	9.56	ug/L	0.00
24) Chloroform-d	4.40	84	10132	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5153	1.05	ug/L	0.00
32) Benzene-d6	5.10	84	18911	1.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	5982	1.07	ug/L	0.00
41) Toluene-d8	7.36	98	17394	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	1831	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	7498	8.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4451	1.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	5857	0.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7348	1.009 ug/L	98
3) Chloromethane	1.25	50	6344	0.954 ug/L	96
5) Vinyl chloride	1.32	62	6317	0.949 ug/L	97
6) Bromomethane	1.54	94	4011	1.381 ug/L	98
8) Chloroethane	1.60	64	3177	1.009 ug/L	98
9) Trichlorofluoromethane	1.77	101	9531	0.890 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5257	0.960 ug/L	99
12) 1,1-Dichloroethene	2.14	96	4864	1.020 ug/L	88
13) Acetone	2.22	43	6879	10.746 ug/L	96
14) Carbon disulfide	2.31	76	13093	0.970 ug/L	99
15) Methyl Acetate	2.47	43	1970	0.914 ug/L #	66
16) Methylene chloride	2.53	84	5852	0.955 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	10775	0.985 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	5383	1.012 ug/L	98
19) 1,1-Dichloroethane	3.23	63	9399	0.948 ug/L	98
21) 2-Butanone	4.05	43	9133	7.991 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	5305	0.901 ug/L	85
23) Bromochloromethane	4.30	128	2253	0.950 ug/L	93
25) Chloroform	4.42	83	10528	0.993 ug/L	94
27) 1,2-Dichloroethane	5.18	62	5891	0.987 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	8519	0.963 ug/L	98
30) Cyclohexane	4.72	56	7902	0.967 ug/L	95
31) Carbon tetrachloride	4.87	117	7664	0.947 ug/L	98
33) Benzene	5.14	78	20327	0.973 ug/L	100
34) Trichloroethene	5.96	95	5931	0.978 ug/L	91
35) Methylcyclohexane	6.17	83	7868	0.929 ug/L	96
37) 1,2-Dichloropropane	6.22	63	5171	0.989 ug/L #	88
38) Bromodichloromethane	6.56	83	6236	0.926 ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	5774	0.807 ug/L	89
40) 4-Methyl-2-pentanone	7.28	43	25596	9.138 ug/L	99

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ClientSampleId :
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Quant Time: May 02 07:58:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 07:54:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	21817	0.931	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	4392	0.806	ug/L	84
45) 1,1,2-Trichloroethane	7.88	97	3592	1.028	ug/L	82
47) Tetrachloroethene	8.02	164	4547	0.979	ug/L	98
48) 2-Hexanone	8.19	43	17564	8.694	ug/L	97
49) Dibromochloromethane	8.29	129	3866	0.899	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3163	0.945	ug/L #	98
51) Chlorobenzene	8.93	112	14747	0.959	ug/L	99
52) Ethylbenzene	9.05	91	22540	0.890	ug/L	100
53) m,p-xylene	9.19	106	8551	0.887	ug/L	88
54) o-xylene	9.59	106	7721	0.813	ug/L	81
55) Styrene	9.60	104	12974	0.836	ug/L	95
56) Isopropylbenzene	9.97	105	20500	0.841	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3997	0.924	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	2568	0.823	ug/L	90
61) Bromoform	9.78	173	1745	0.904	ug/L #	96
62) 1,3-Dichlorobenzene	11.22	146	10207	0.975	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	10224	0.968	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	9759	0.987	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	599	0.984	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.69	180	7761	1.009	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	5287	0.899	ug/L	94
69) Naphthalene	13.55	128	6962	0.738	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	4497	0.834	ug/L	97

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

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

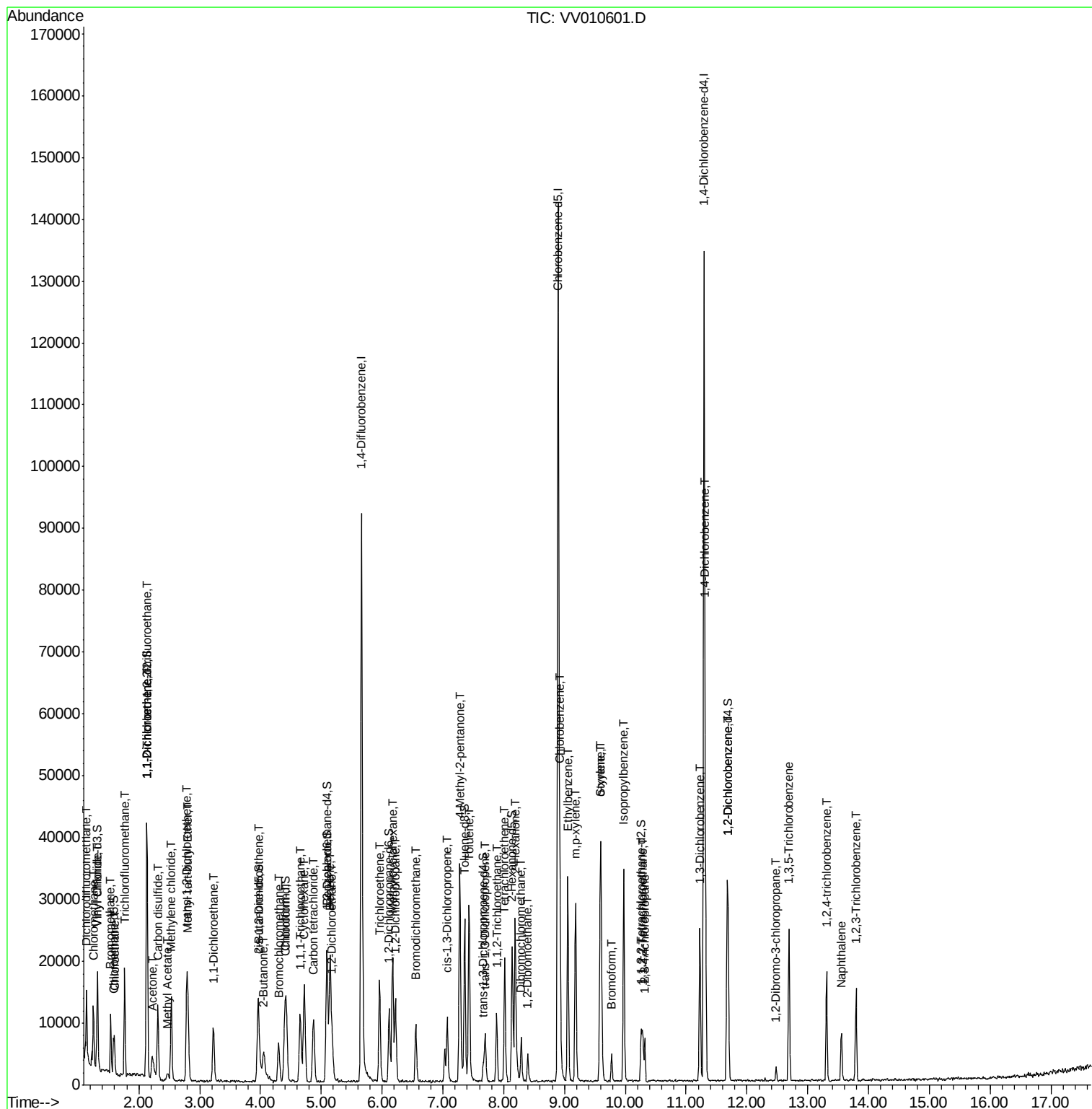
Quant Time: May 02 07:58:36 2019

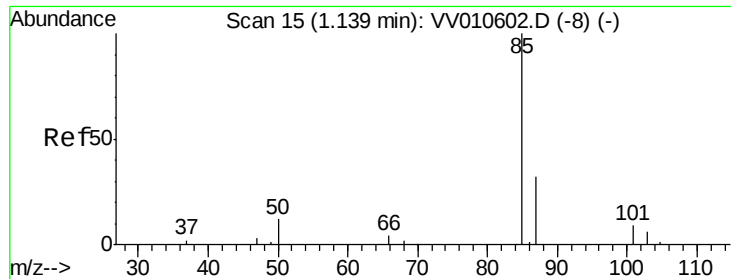
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu May 02 07:54:30 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.009 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

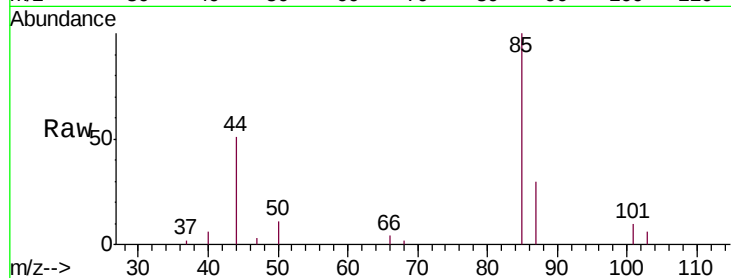
VSTD00137

Tgt Ion: 85 Resp: 7348

Ion Ratio Lower Upper

85 100

87 30.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV010601.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010601.D (-8) (-)

1.14

6000

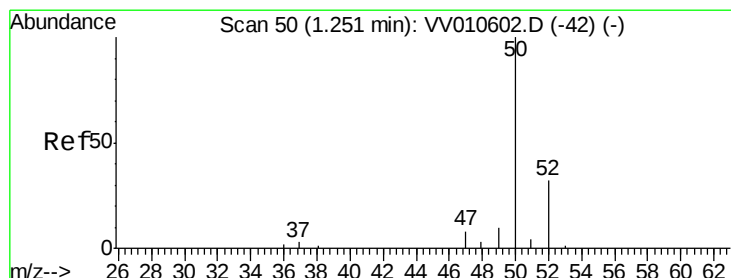
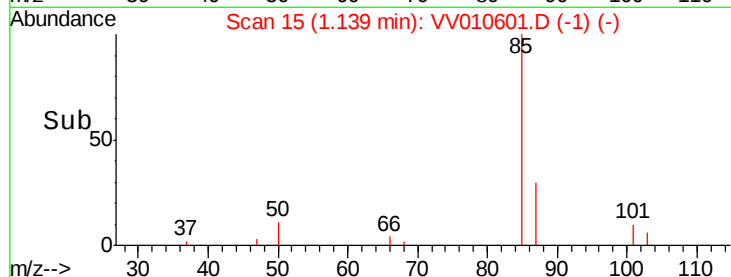
4000

2000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 0.954 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010601.D

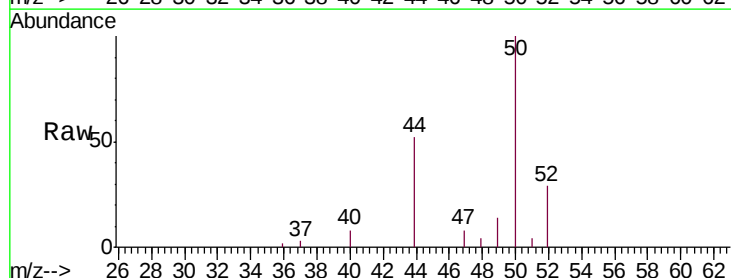
Acq: 01 May 2019 12:29

Tgt Ion: 50 Resp: 6344

Ion Ratio Lower Upper

50 100

52 29.3 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV010601.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010601.D (-42) (-)

1.25

6000

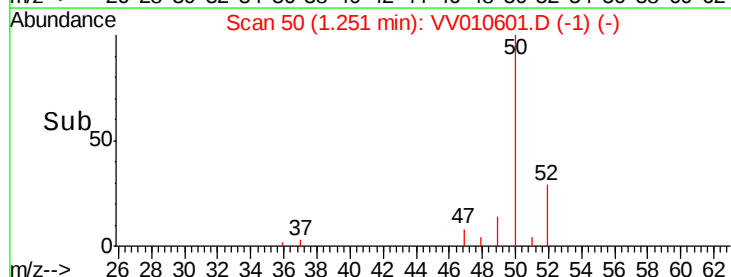
4000

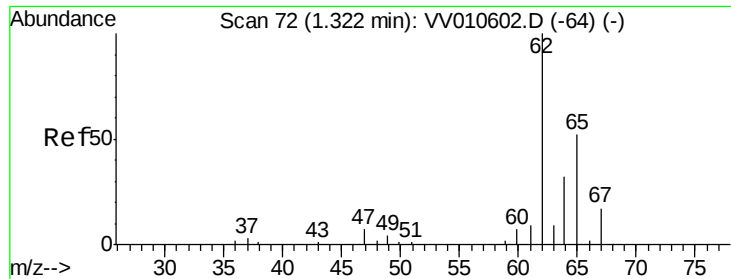
2000

0

Time-->

1.25 1.30





#5

Vinyl chloride

Concen: 0.949 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

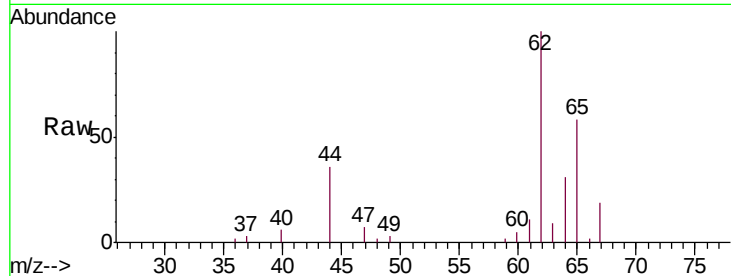
VSTD00137

Tgt Ion: 62 Resp: 6317

Ion Ratio Lower Upper

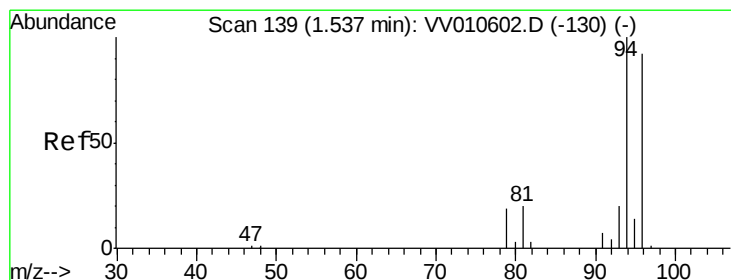
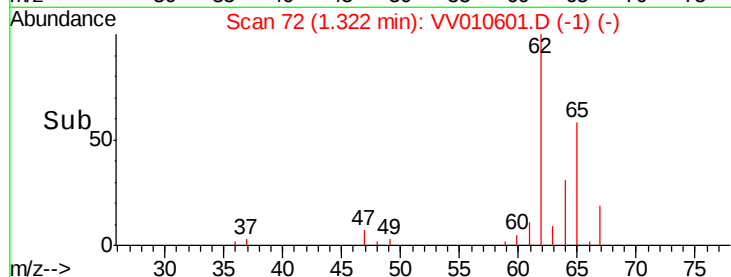
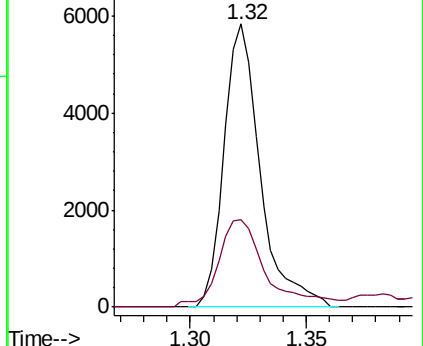
62 100

64 31.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 1.381 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010601.D

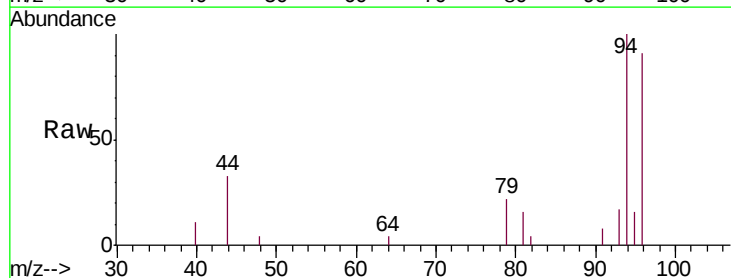
Acq: 01 May 2019 12:29

Tgt Ion: 94 Resp: 4011

Ion Ratio Lower Upper

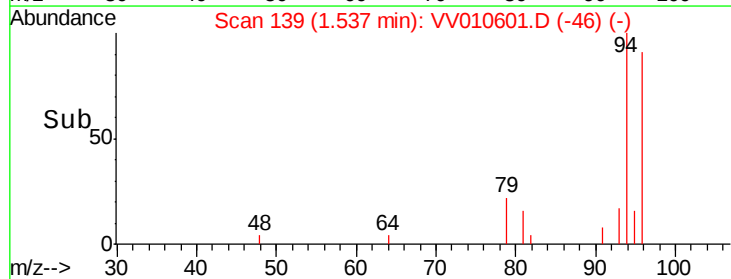
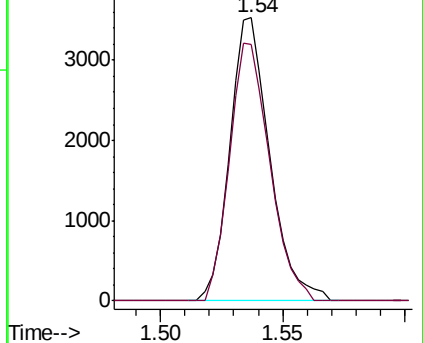
94 100

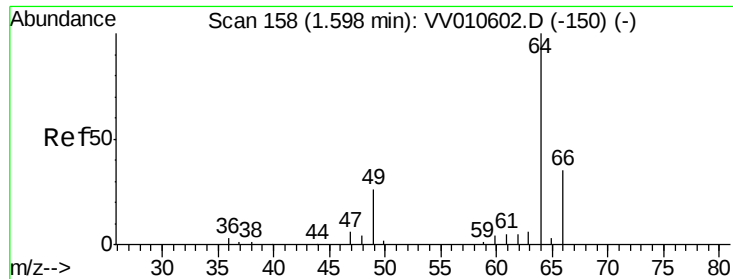
96 90.6 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.009 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

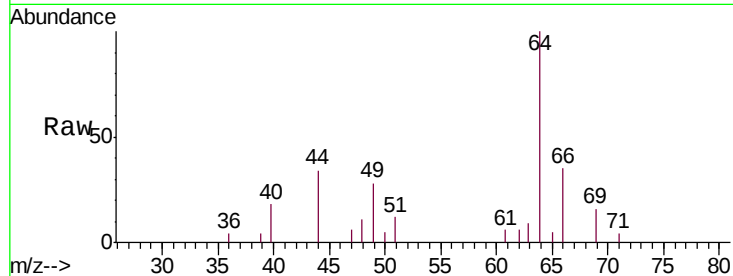
VSTD00137

Tgt Ion: 64 Resp: 3177

Ion Ratio Lower Upper

64 100

66 35.3 23.8 44.2



Abundance Ion 64.10 (63.80 to 64.80): VV010602.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV010602.D (-150) (-)

1.60

2500

2000

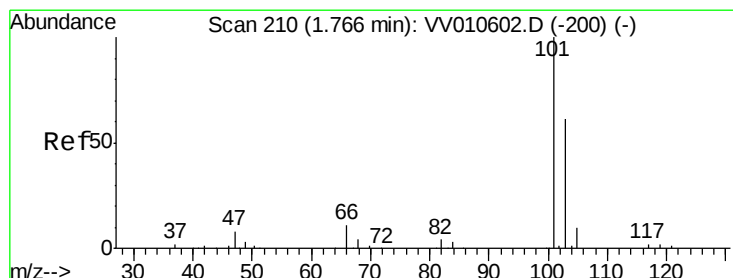
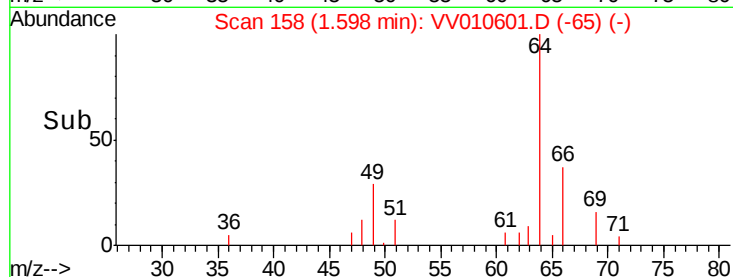
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.890 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV010601.D

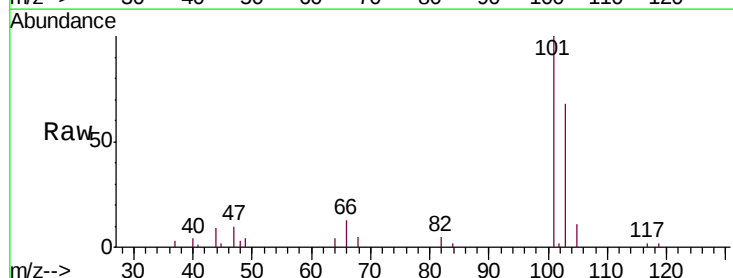
Acq: 01 May 2019 12:29

Tgt Ion: 101 Resp: 9531

Ion Ratio Lower Upper

101 100

103 66.9 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): VV010602.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010602.D (-200) (-)

1.77

8000

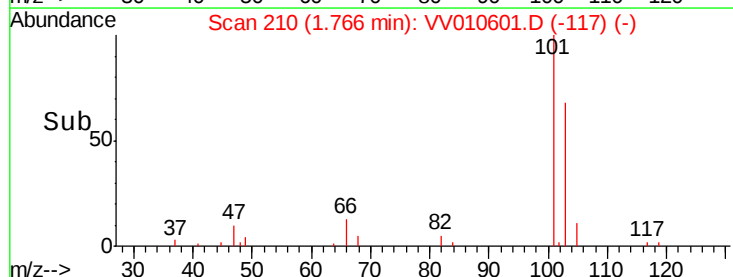
6000

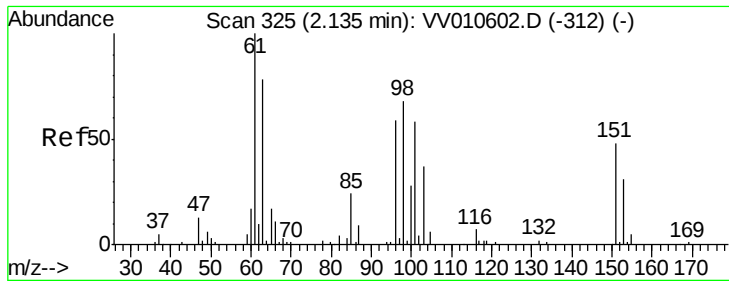
4000

2000

0

Time-->





#10

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

Concen: 0.960 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

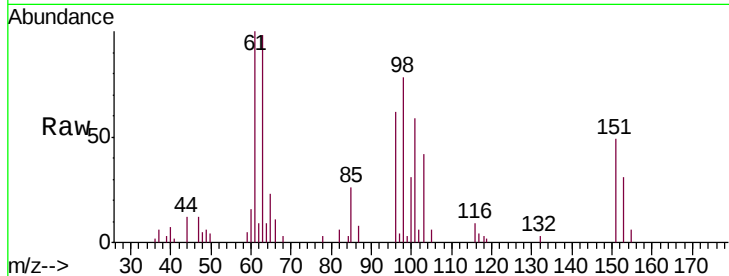
Tgt Ion:101 Resp: 5257

Ion Ratio Lower Upper

101 100

85 43.4 33.7 50.5

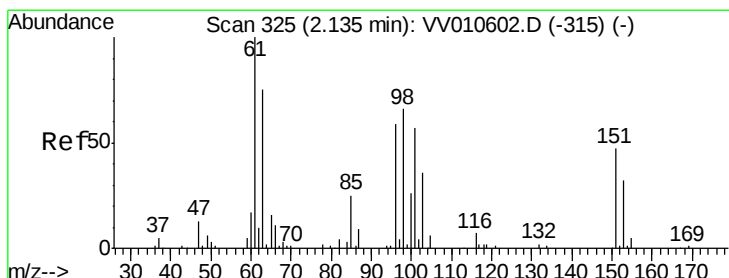
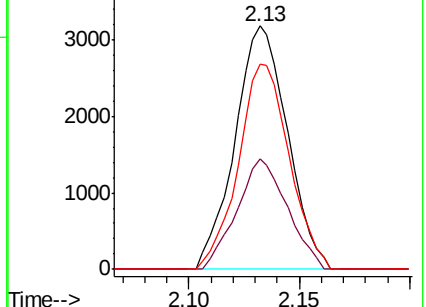
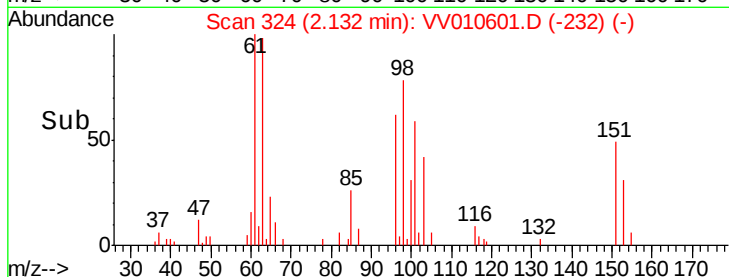
151 81.7 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV010601.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV010601.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV010601.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 1.020 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

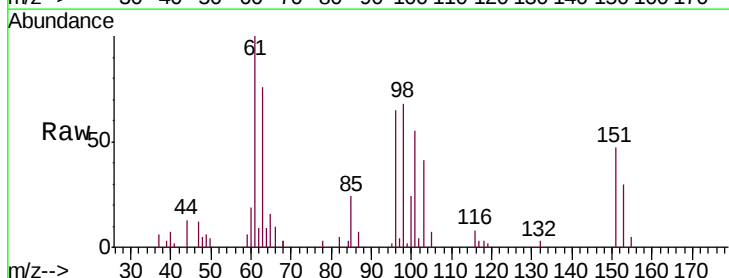
Tgt Ion: 96 Resp: 4864

Ion Ratio Lower Upper

96 100

61 155.0 118.7 220.5

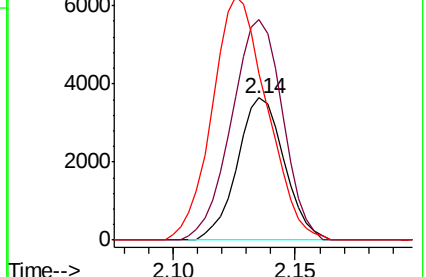
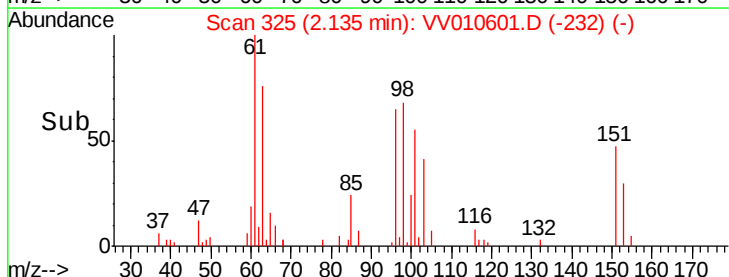
63 117.5 93.2 173.0

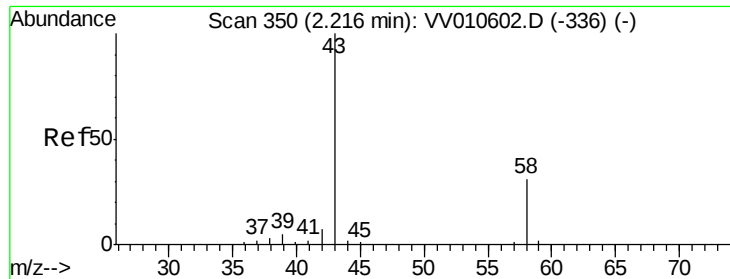


Abundance Ion 96.00 (95.70 to 96.70): VV010601.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV010601.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV010601.D (-232) (-)





#13

Acetone

Concen: 10.746 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

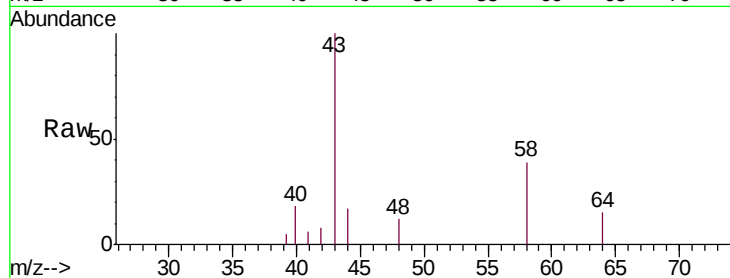
VSTD00137

Tgt Ion: 43 Resp: 6879

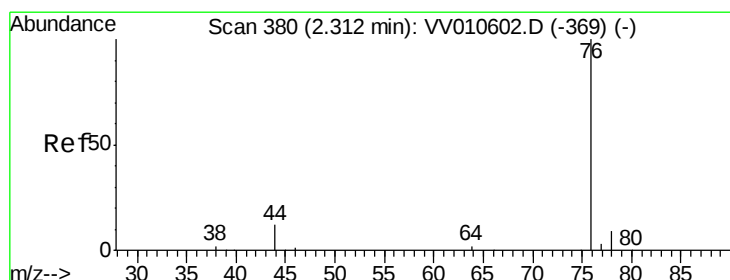
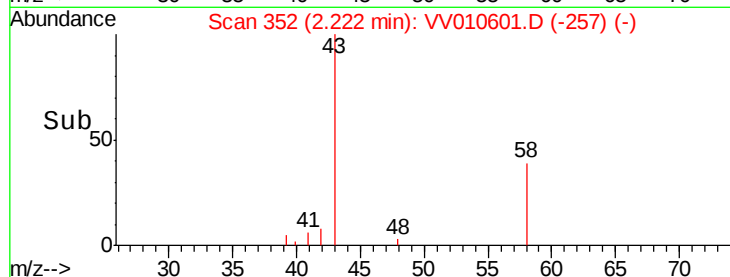
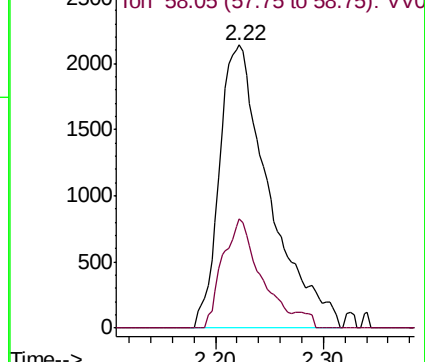
Ion Ratio Lower Upper

43 100

58 29.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010601.D (-257) (-)



#14

Carbon disulfide

Concen: 0.970 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010601.D

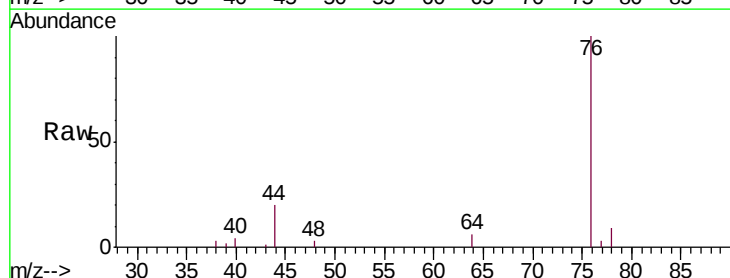
Acq: 01 May 2019 12:29

Tgt Ion: 76 Resp: 13093

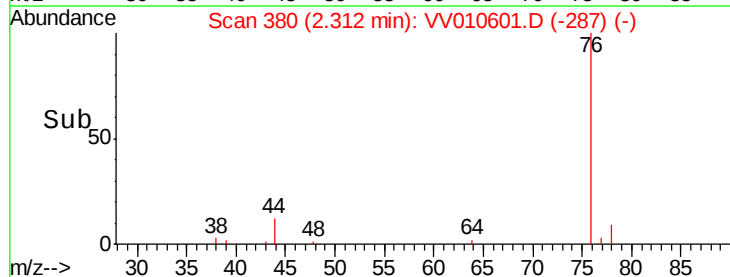
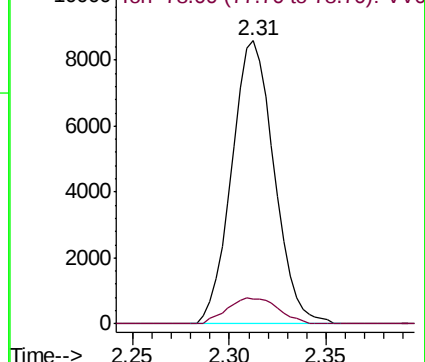
Ion Ratio Lower Upper

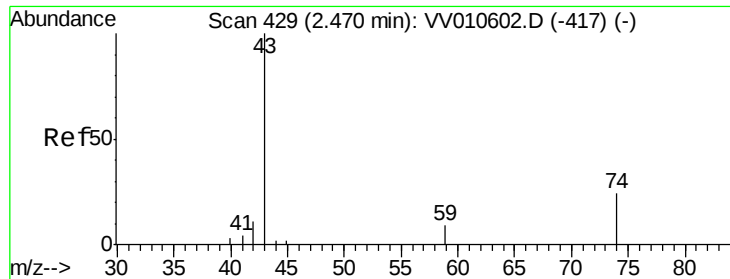
76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010601.D (-287) (-)

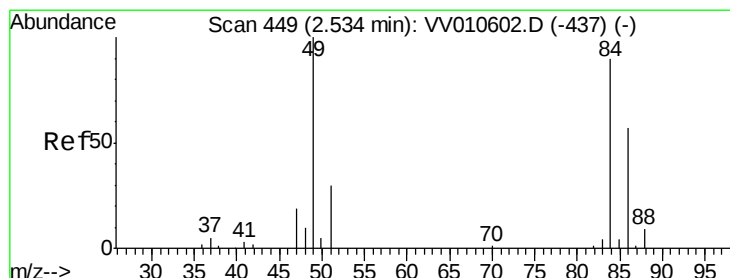
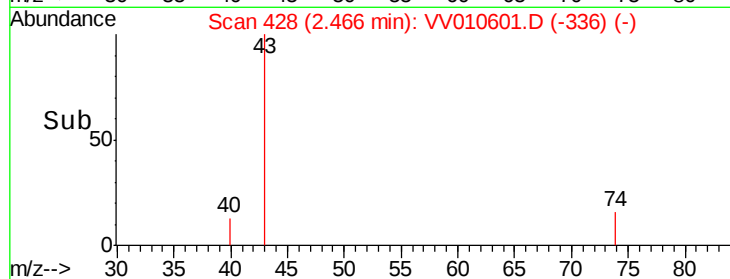
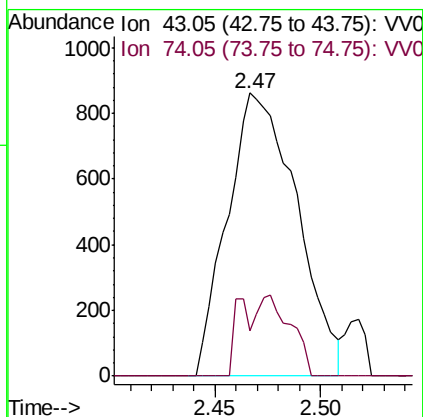
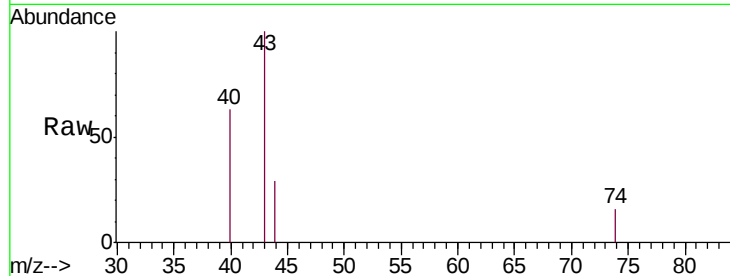




#15
Methyl Acetate
Concen: 0.914 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

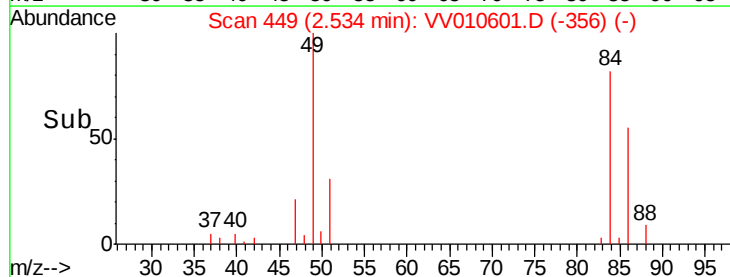
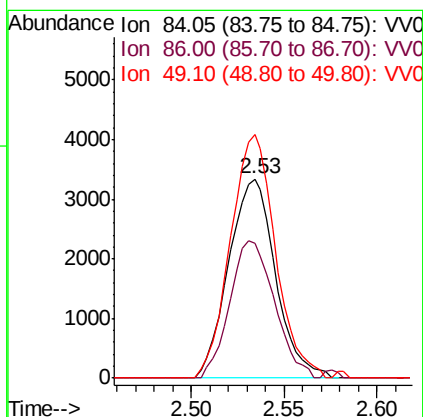
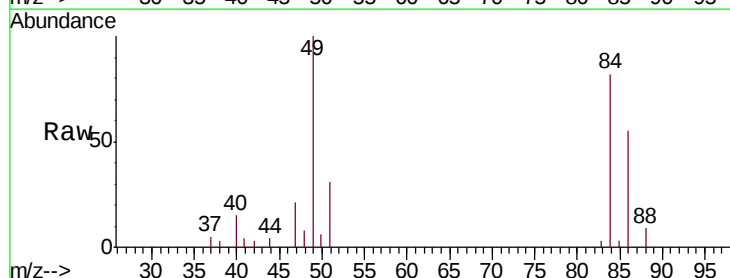
Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

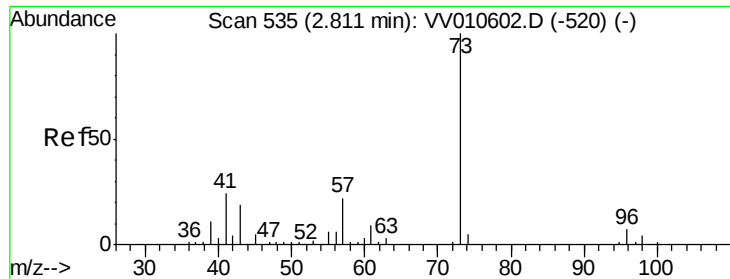
Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 5.9 17.5 26.3#



#16
Methylene chloride
Concen: 0.955 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Tgt Ion: 84 Resp: 5852
Ion Ratio Lower Upper
84 100
86 67.5 44.2 82.0
49 122.2 77.8 144.6

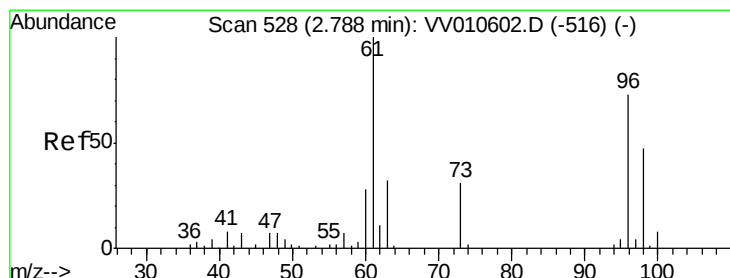
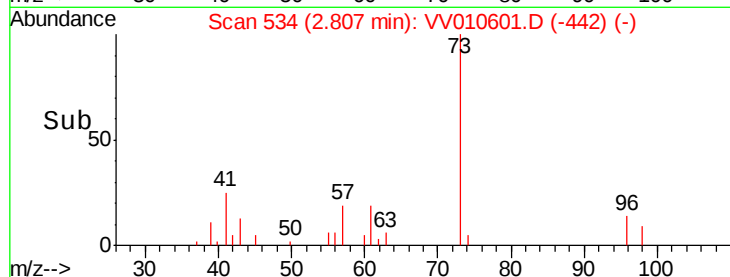
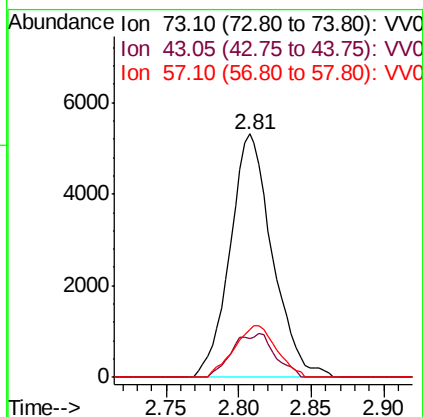
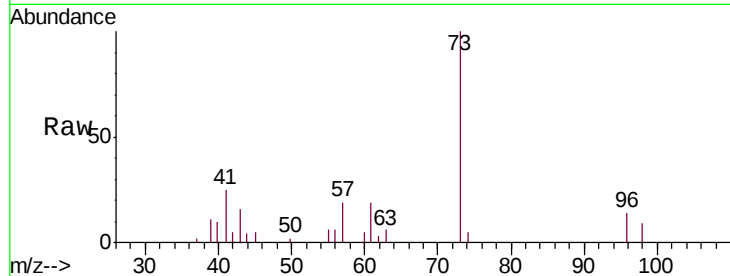




#17
Methyl tert-butyl Ether
Concen: 0.985 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

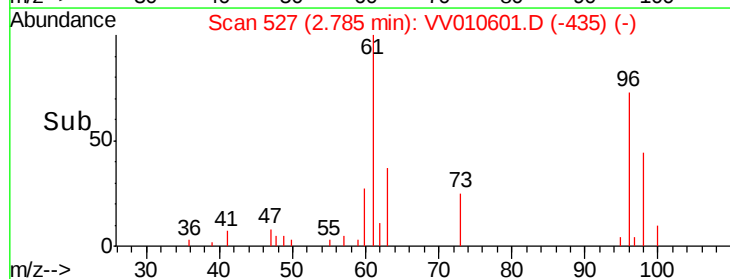
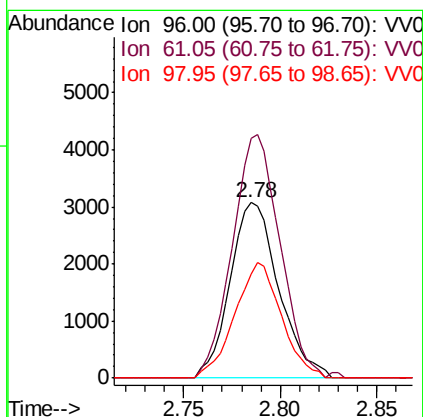
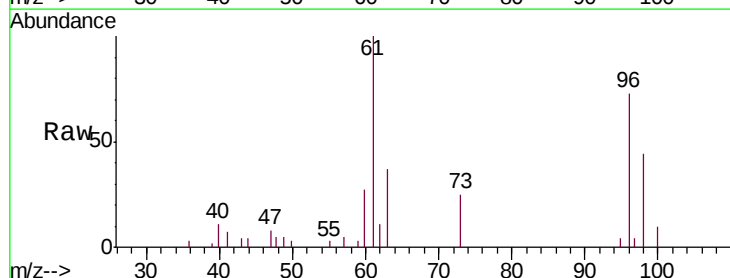
Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

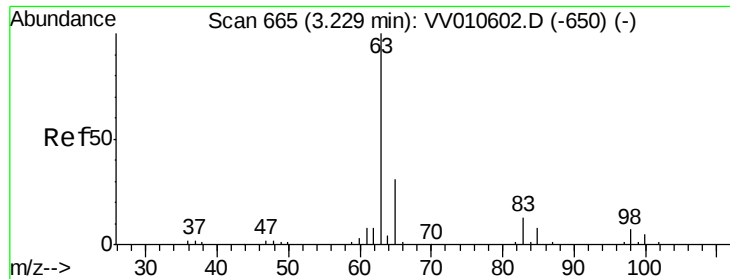
Tgt Ion: 73 Resp: 10775
Ion Ratio Lower Upper
73 100
43 18.1 16.1 24.1
57 21.3 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 1.012 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Tgt Ion: 96 Resp: 5383
Ion Ratio Lower Upper
96 100
61 136.8 96.2 178.6
98 59.5 44.9 83.3

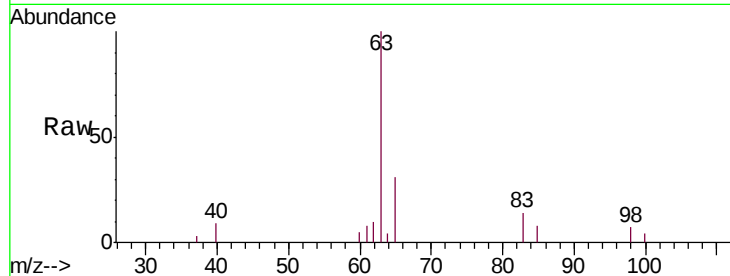




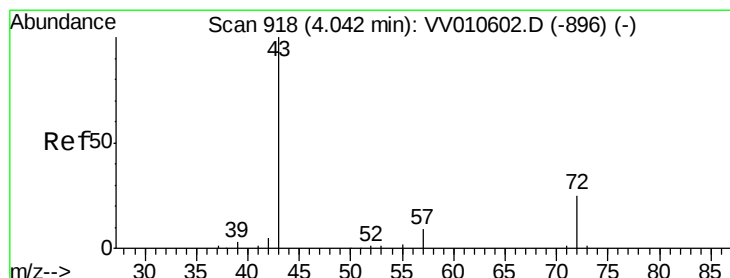
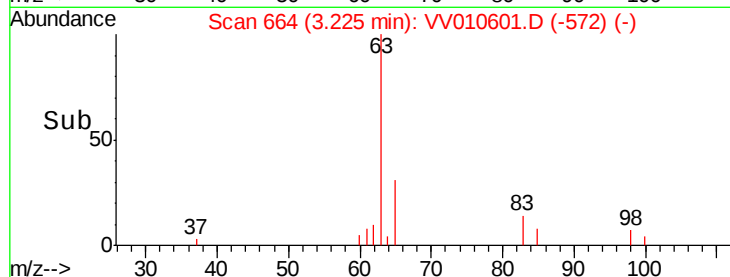
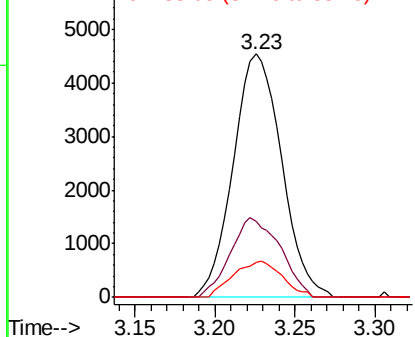
#19
 1,1-Dichloroethane
 Concen: 0.948 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

Tgt Ion: 63 Resp: 9399
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.3 39.6
 83 14.2 9.0 16.6

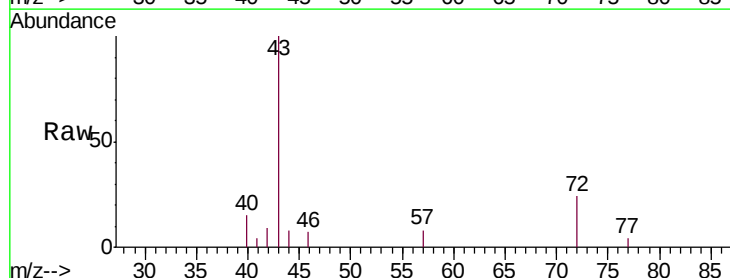


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

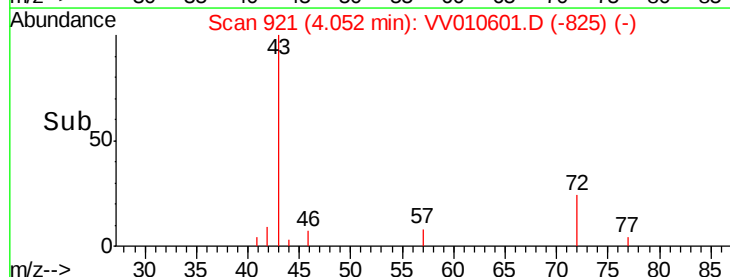
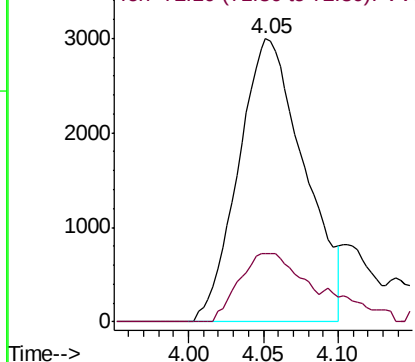


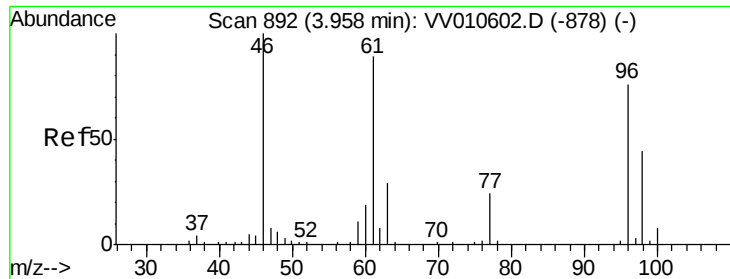
#21
 2-Butanone
 Concen: 7.991 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 43 Resp: 9133
 Ion Ratio Lower Upper
 43 100
 72 22.8 13.8 41.3



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



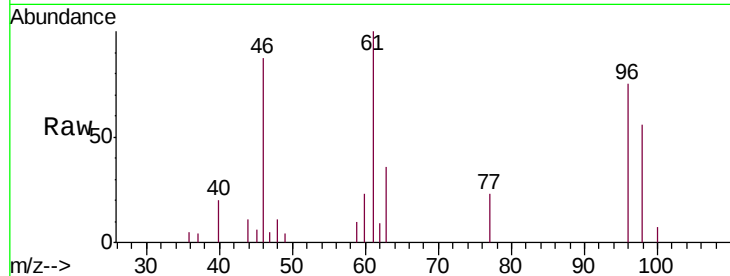


#22

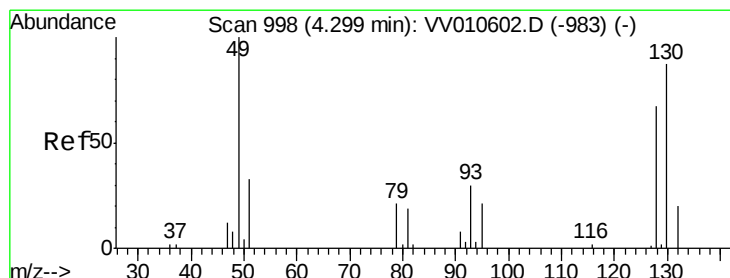
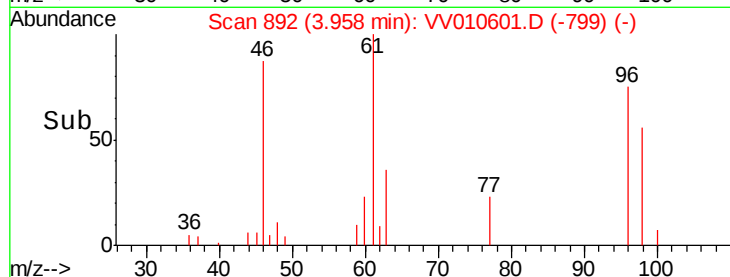
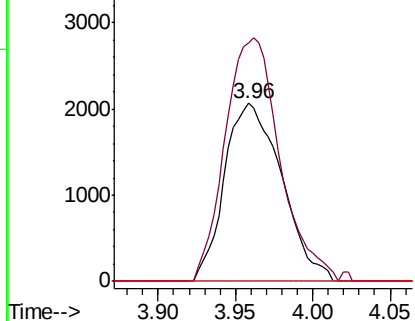
cis-1,2-Dichloroethene
 Concen: 0.901 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

Tgt Ion: 96 Resp: 5305
 Ion Ratio Lower Upper
 96 100
 61 133.8 82.3 152.9
 68 0.0 0.0 0.0



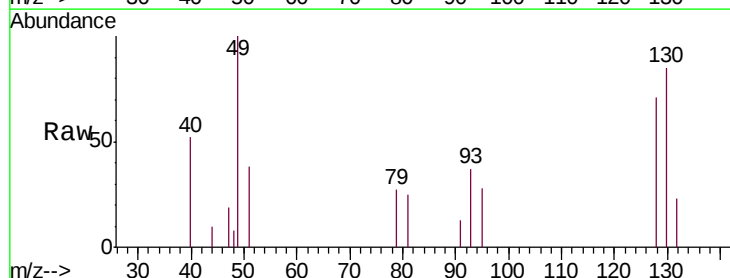
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



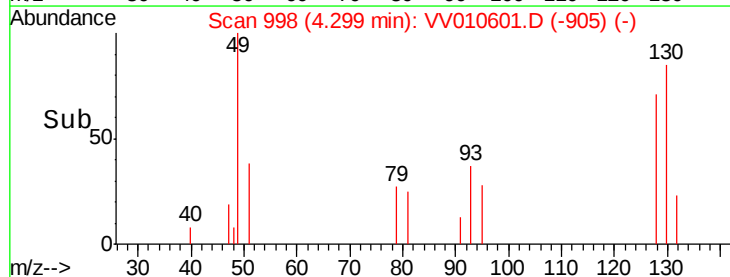
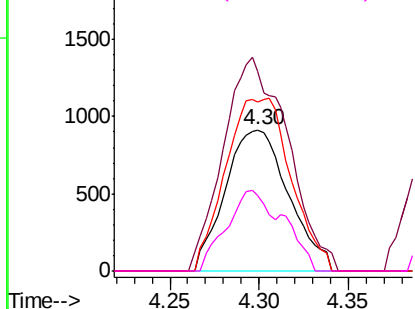
#23

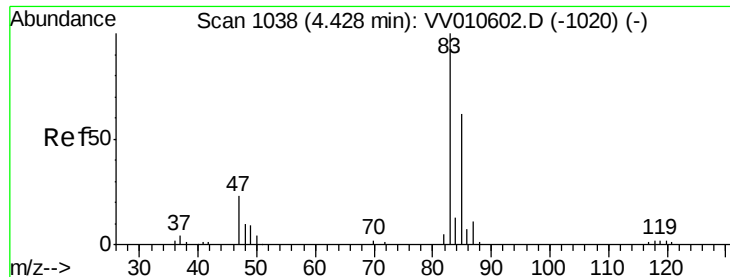
Bromochloromethane
 Concen: 0.950 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 128 Resp: 2253
 Ion Ratio Lower Upper
 128 100
 49 141.4 104.4 193.8
 130 120.0 90.4 167.8
 51 53.6 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

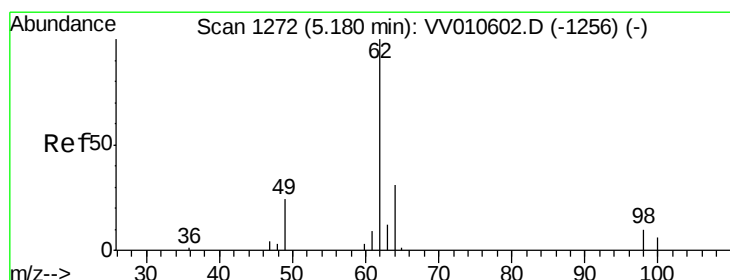
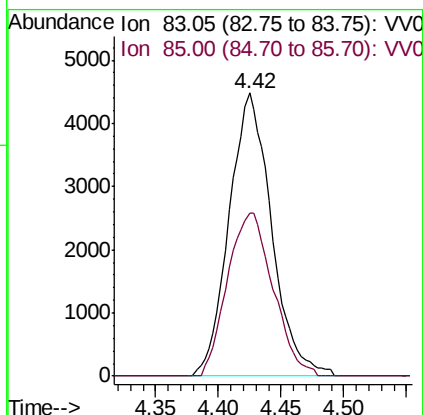
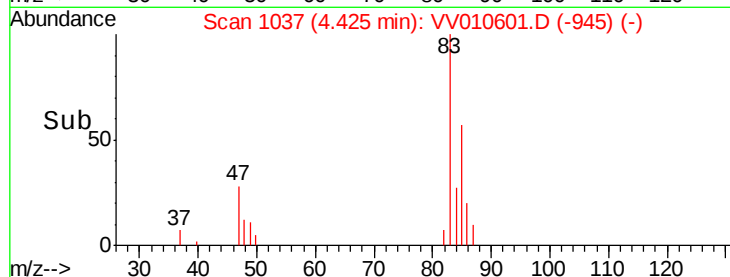
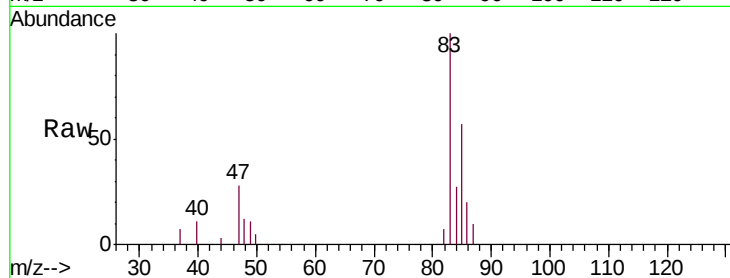




#25
Chloroform
Concen: 0.993 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

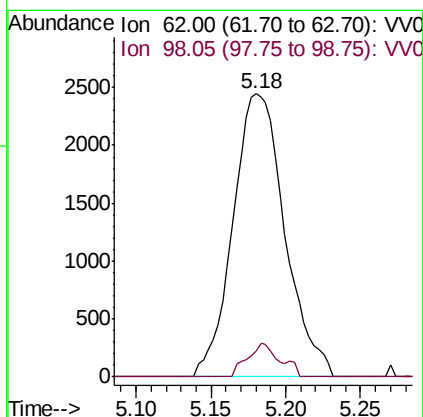
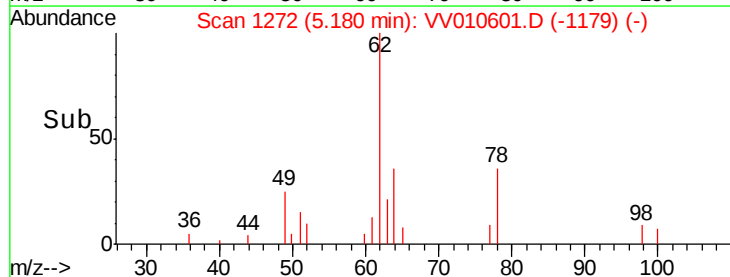
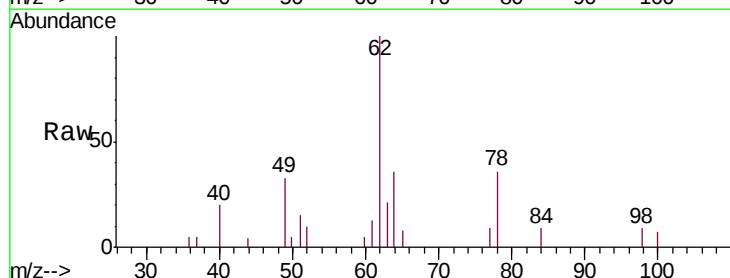
Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

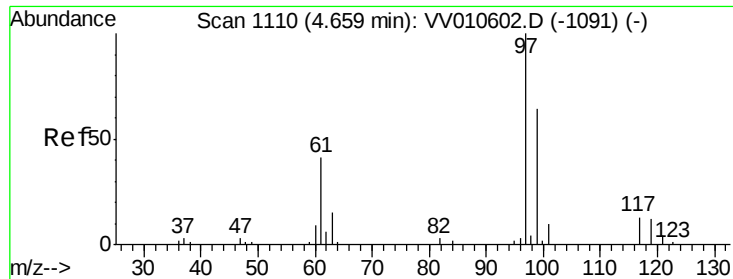
Tgt Ion: 83 Resp: 10528
Ion Ratio Lower Upper
83 100
85 57.5 43.7 81.1



#27
1,2-Dichloroethane
Concen: 0.987 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Tgt Ion: 62 Resp: 5891
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5

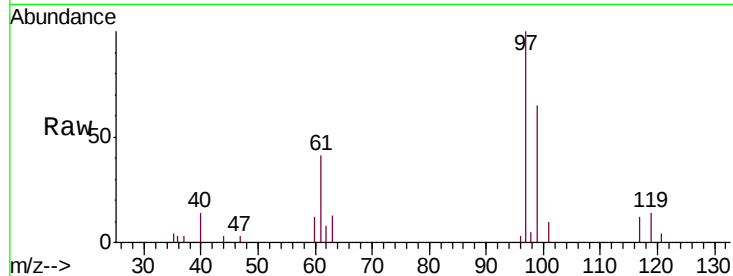




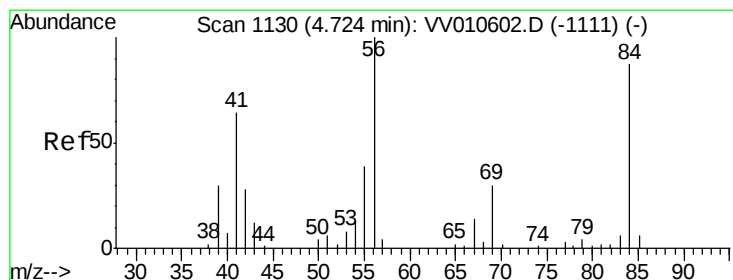
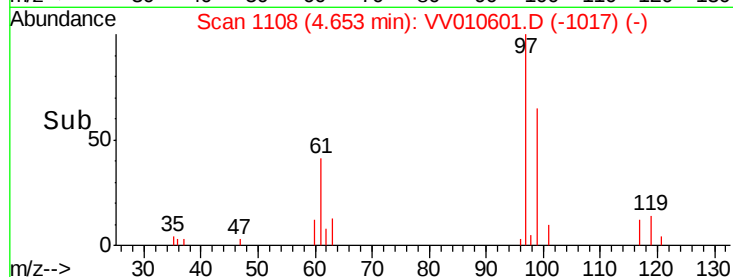
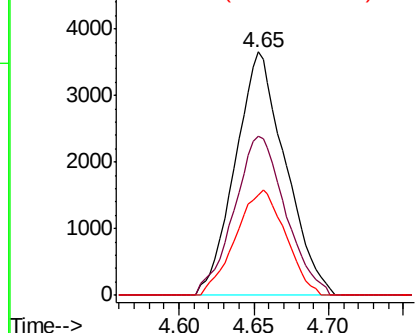
#29
 1,1,1-Trichloroethane
 Concen: 0.963 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

Tgt Ion: 97 Resp: 8519
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.4 77.0
 61 43.1 34.6 52.0

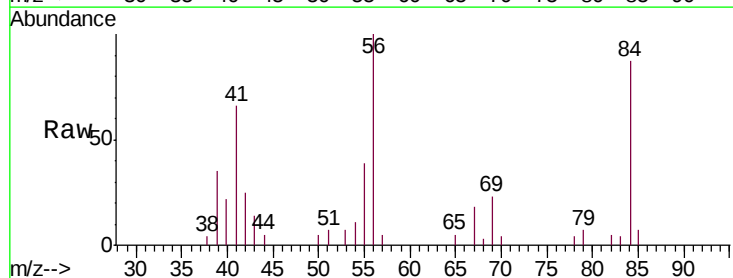


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

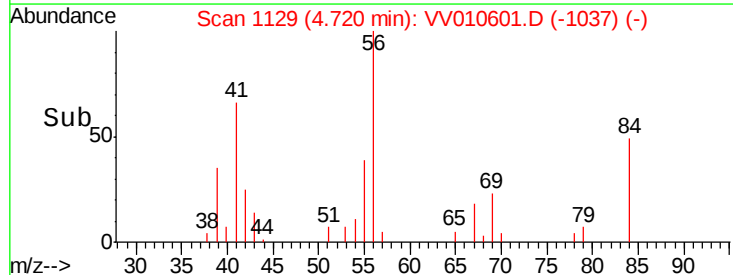
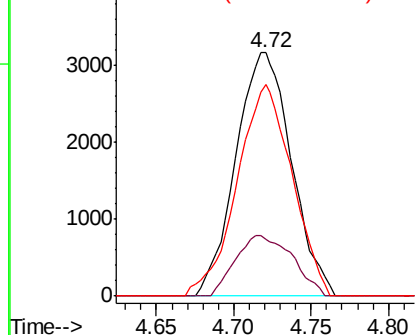


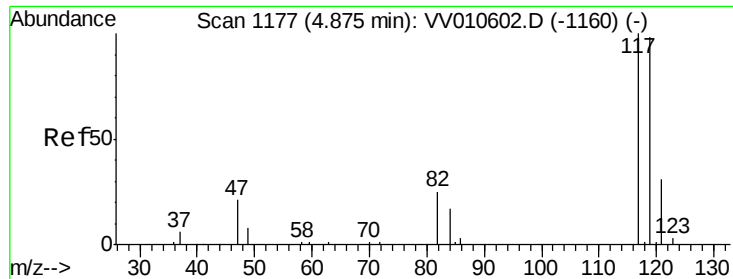
#30
 Cyclohexane
 Concen: 0.967 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 56 Resp: 7902
 Ion Ratio Lower Upper
 56 100
 69 25.5 24.7 37.1
 84 85.8 71.4 107.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.947 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

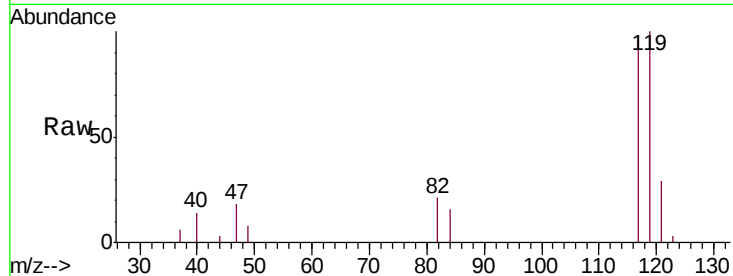
VSTD00137

Tgt Ion:117 Resp: 7664

Ion Ratio Lower Upper

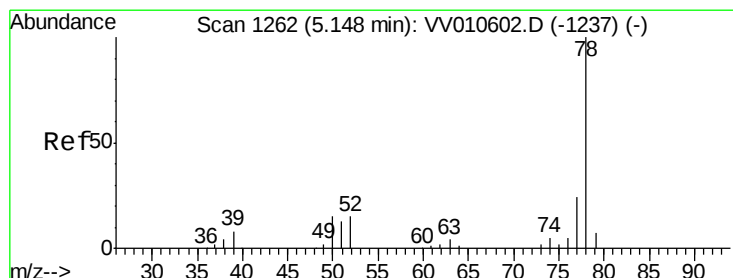
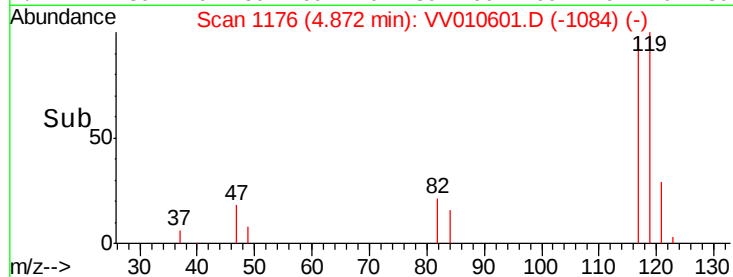
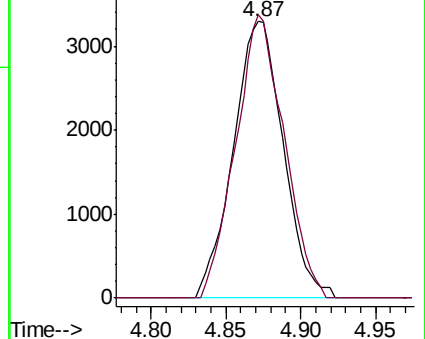
117 100

119 99.4 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: 0.973 ug/L

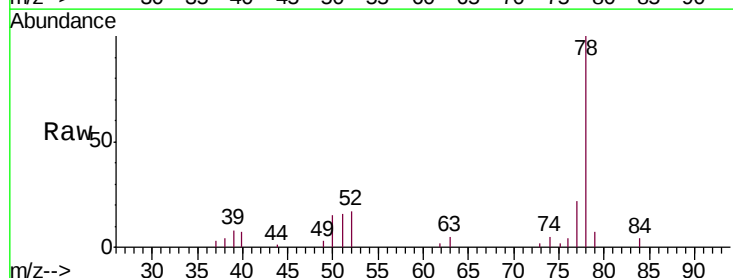
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

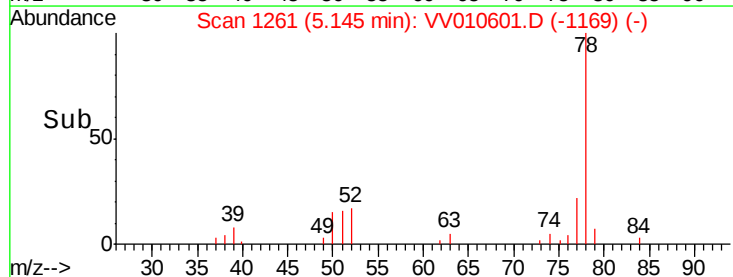
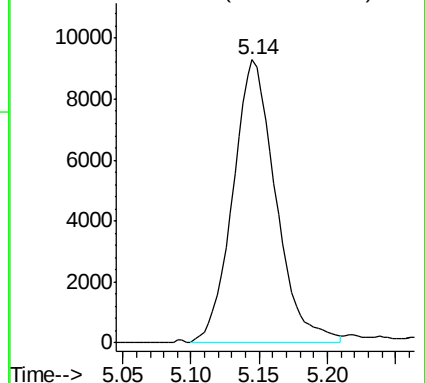
Lab File: VV010601.D

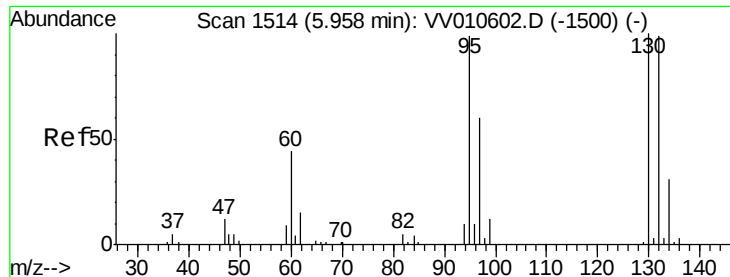
Acq: 01 May 2019 12:29

Tgt Ion: 78 Resp: 20327



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.978 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

Tgt Ion: 95 Resp: 5931

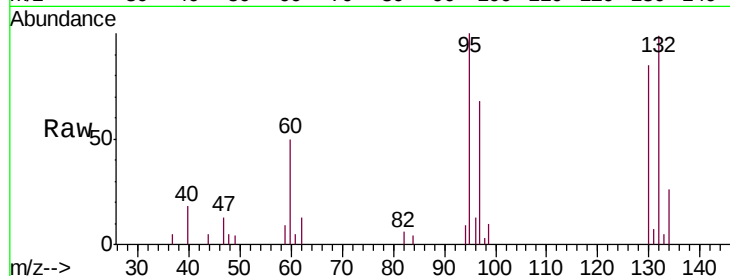
Ion Ratio Lower Upper

95 100

97 68.3 42.4 78.6

132 98.6 69.3 128.7

130 84.6 70.3 130.7

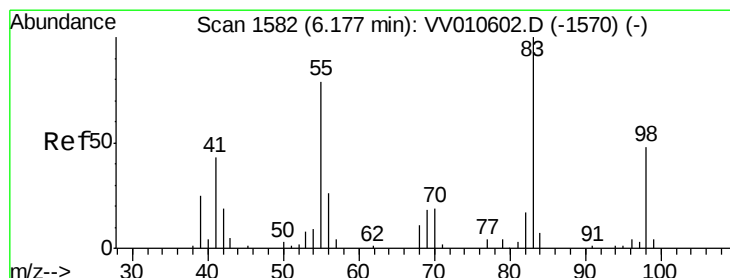
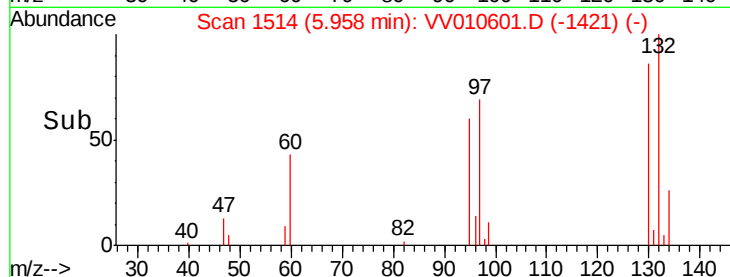
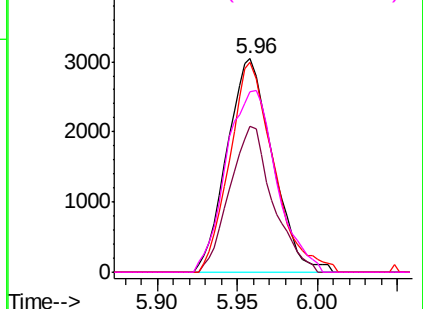


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.929 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

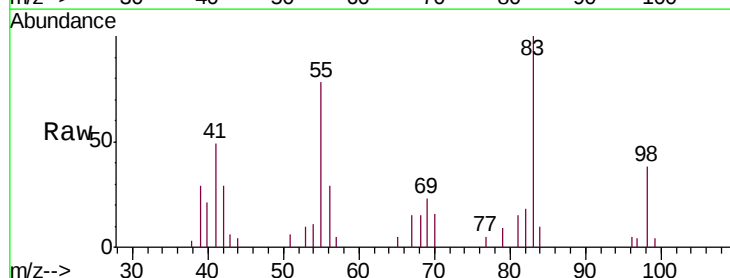
Tgt Ion: 83 Resp: 7868

Ion Ratio Lower Upper

83 100

55 77.1 63.4 95.0

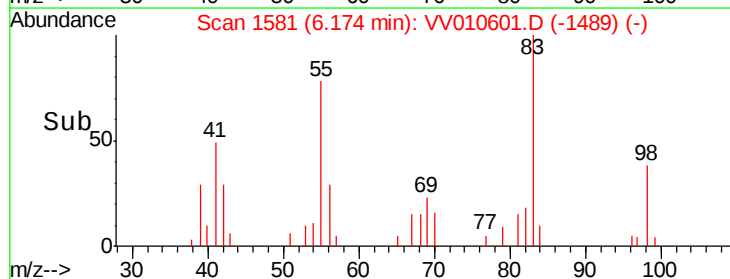
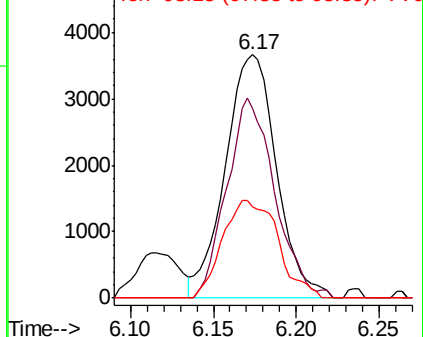
98 43.5 38.7 58.1

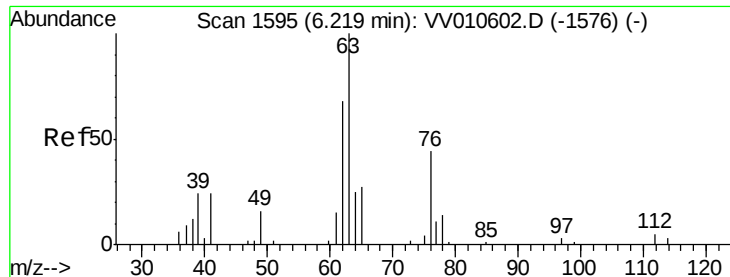


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

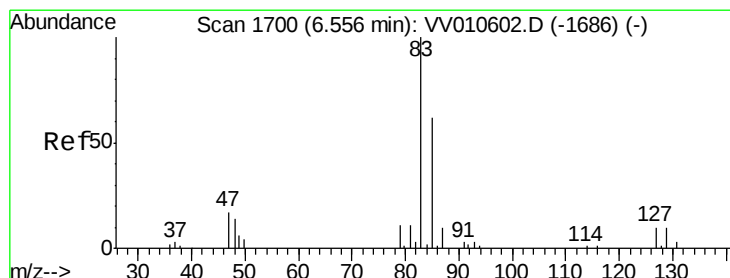
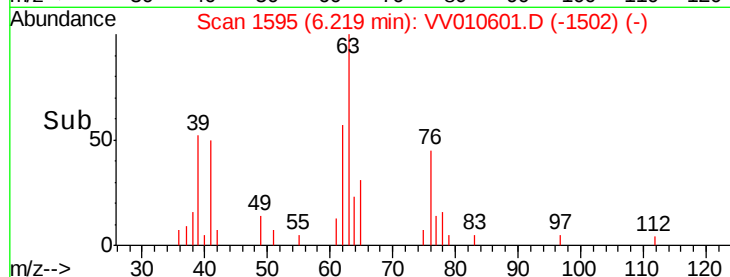
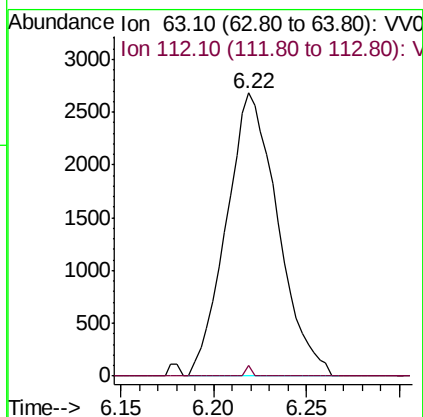
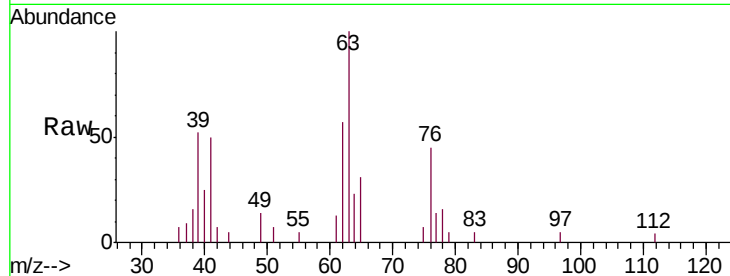




#37
 1,2-Dichloropropane
 Concen: 0.989 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

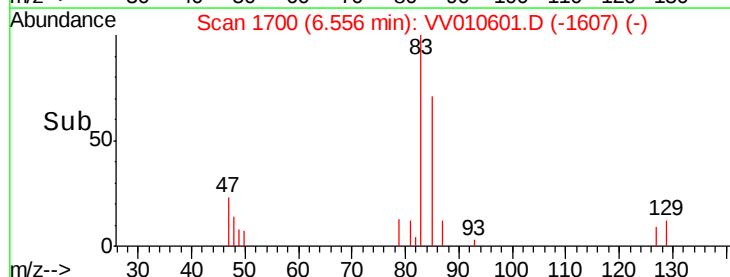
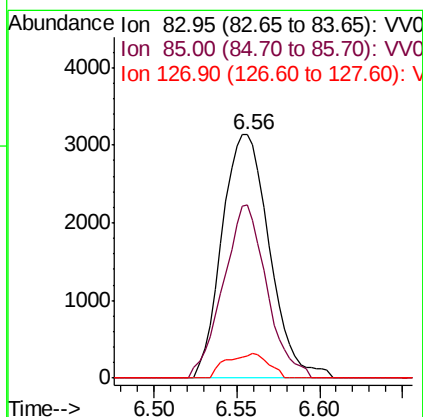
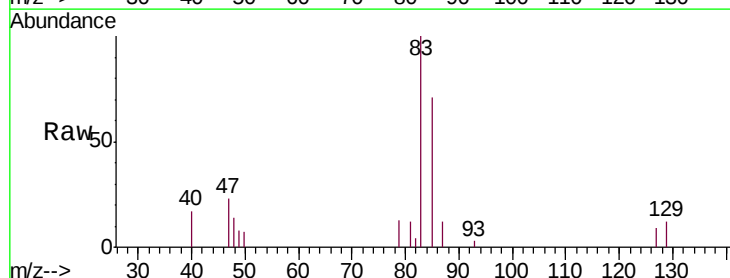
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

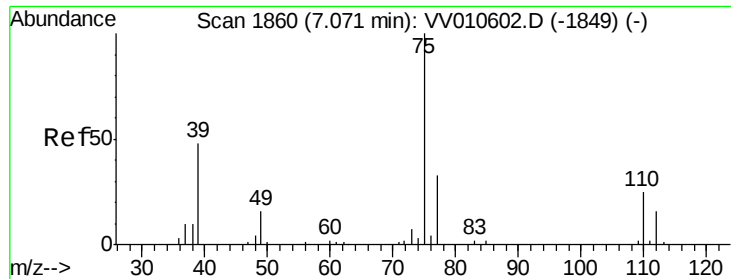
Tgt Ion: 63 Resp: 5171
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.926 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 83 Resp: 6236
 Ion Ratio Lower Upper
 83 100
 85 71.4 43.3 80.3
 127 9.2 7.8 11.6

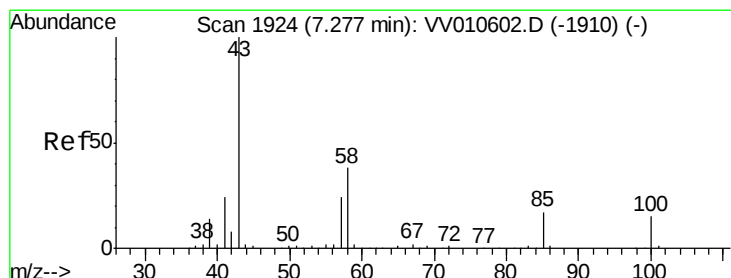
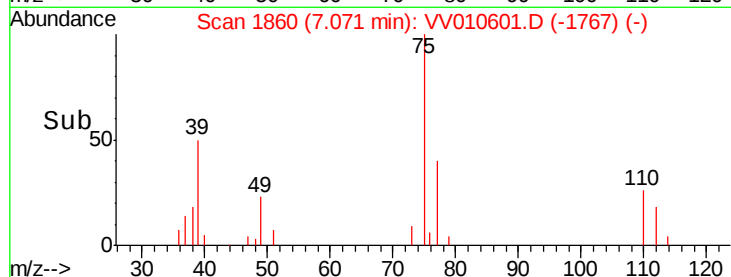
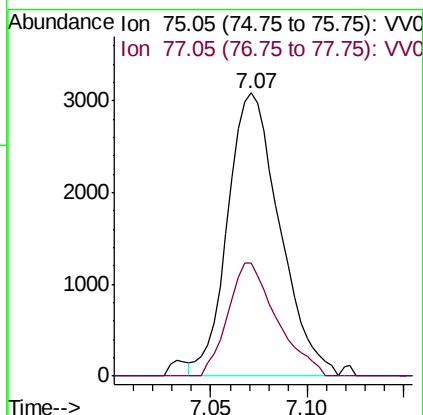
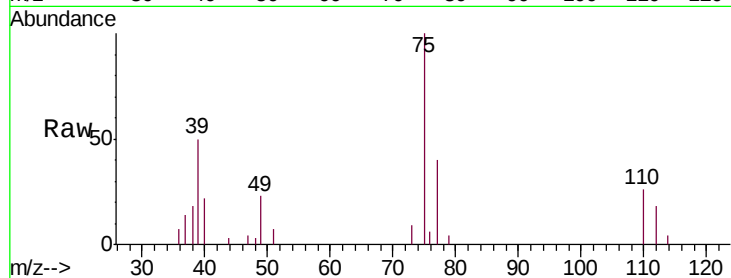




#39
 cis-1,3-Dichloropropene
 Concen: 0.807 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

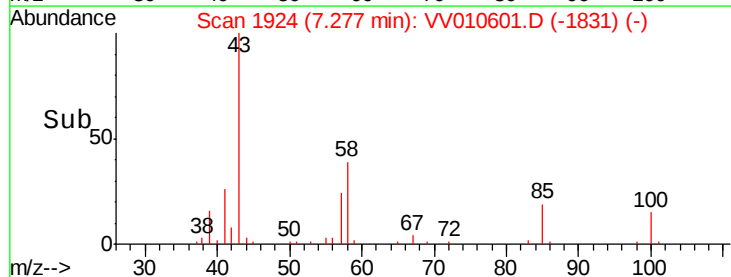
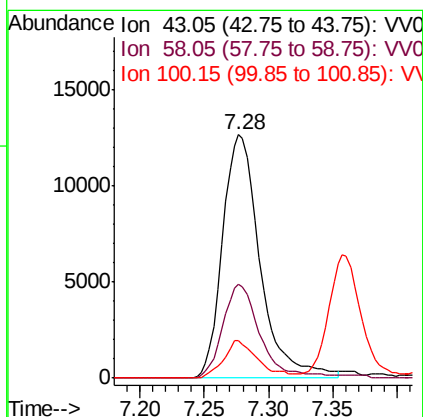
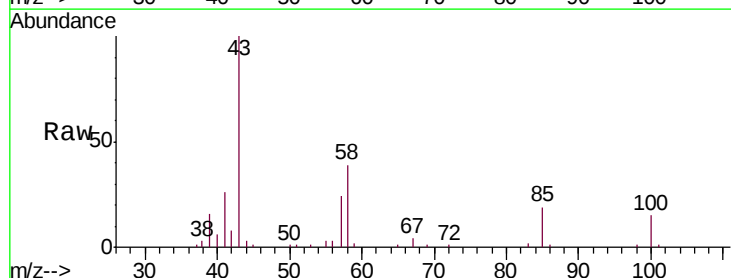
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

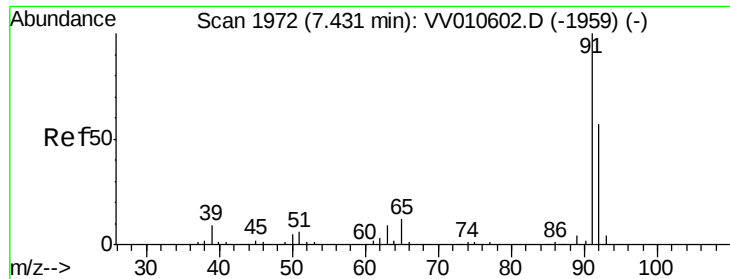
Tgt Ion: 75 Resp: 5774
 Ion Ratio Lower Upper
 75 100
 77 40.1 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 9.138 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 43 Resp: 25596
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.5 45.7
 100 14.2 10.8 16.2





#42

Toluene

Concen: 0.931 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

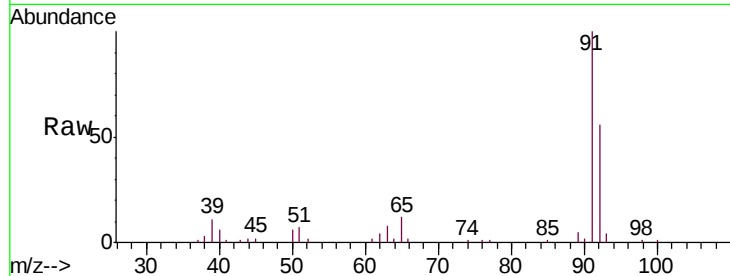
VSTD00137

Tgt Ion: 91 Resp: 21817

Ion Ratio Lower Upper

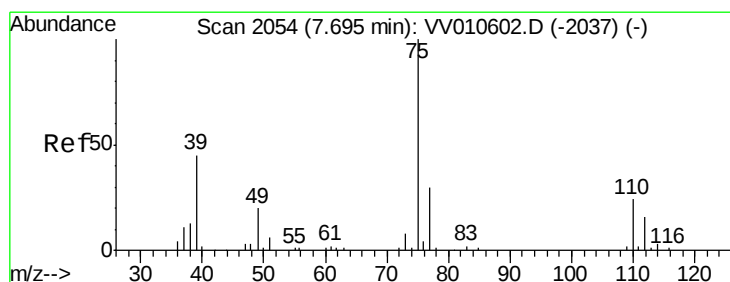
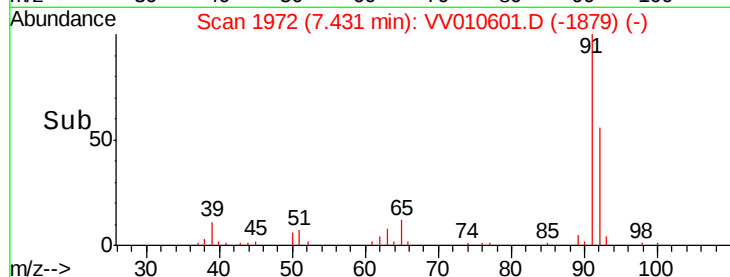
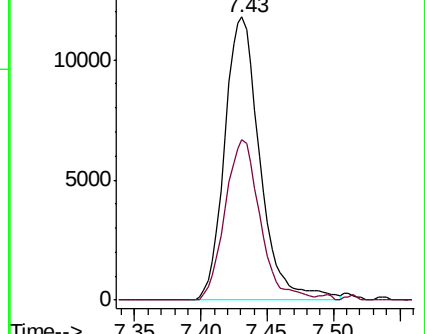
91 100

92 56.5 40.0 74.4



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: 0.806 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010601.D

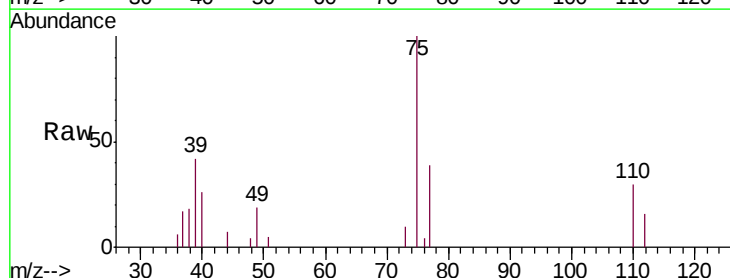
Acq: 01 May 2019 12:29

Tgt Ion: 75 Resp: 4392

Ion Ratio Lower Upper

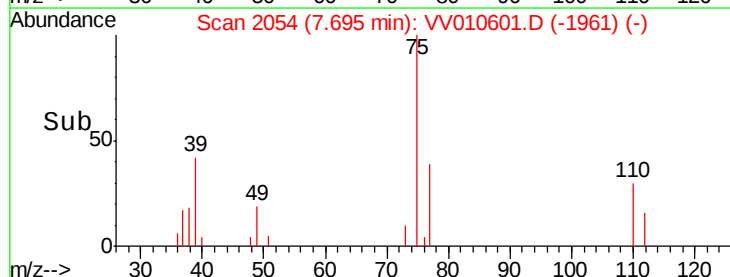
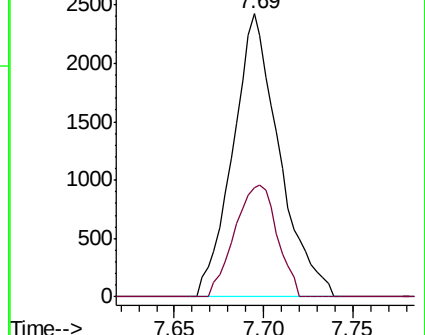
75 100

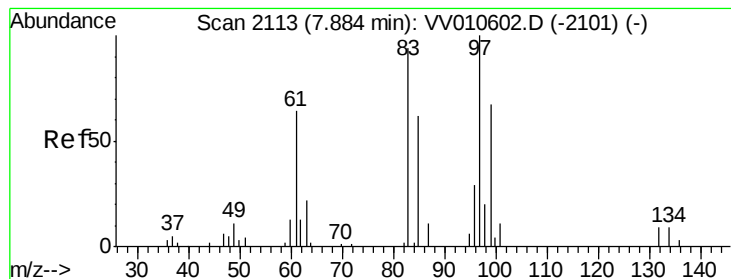
77 38.7 21.1 39.1



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: 1.028 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

Tgt Ion: 97 Resp: 3592

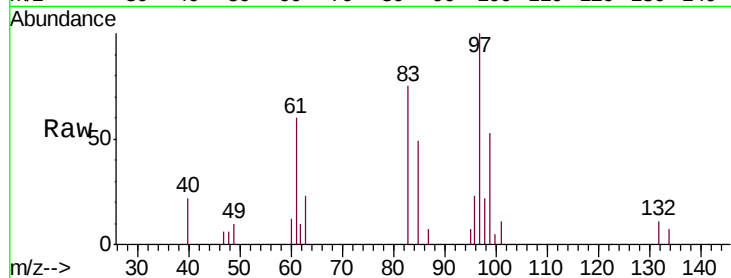
Ion Ratio Lower Upper

97 100

99 53.4 47.1 87.5

83 75.3 65.9 122.5

85 48.5 43.2 80.2

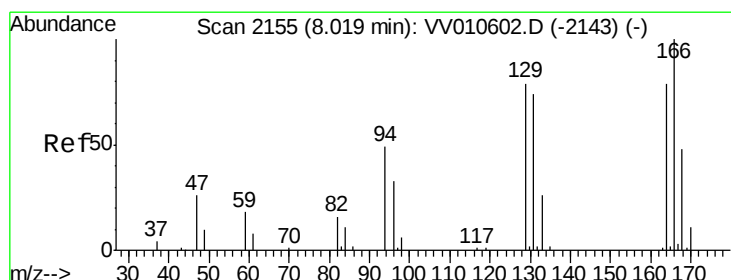
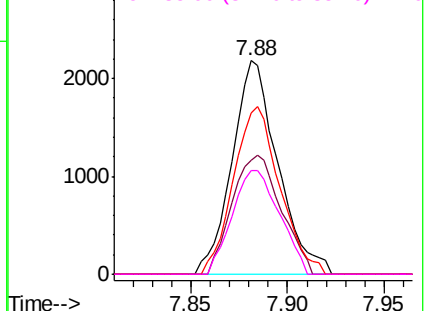
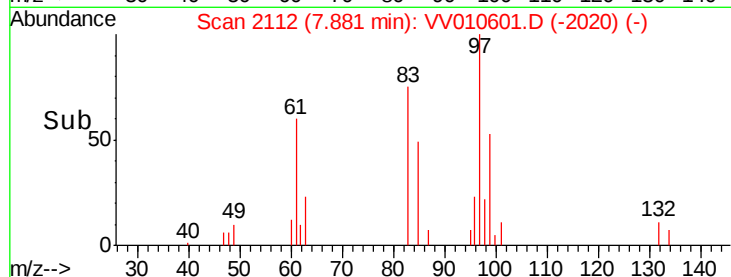


Abundance Ion 96.95 (96.65 to 97.65): VV010602.D (-2101) (-)

Ion 99.05 (98.75 to 99.75): VV010602.D (-2101) (-)

Ion 82.95 (82.65 to 83.65): VV010602.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV010602.D (-2101) (-)



#47

Tetrachloroethene

Concen: 0.979 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Tgt Ion: 164 Resp: 4547

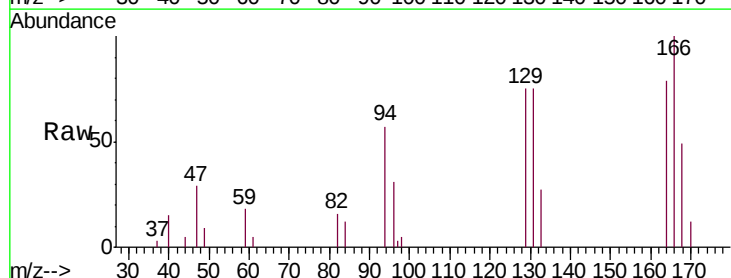
Ion Ratio Lower Upper

164 100

129 95.4 69.9 129.7

131 94.9 65.6 121.8

166 126.7 88.9 165.1

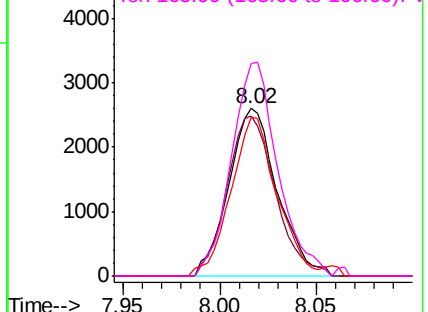
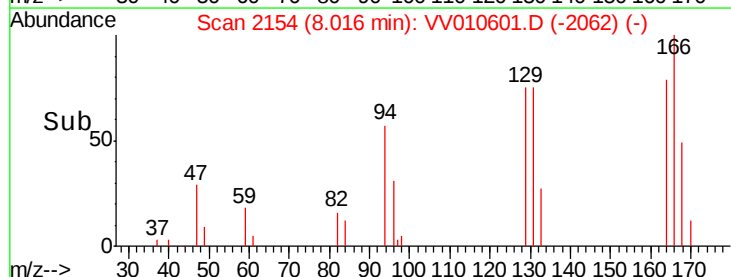


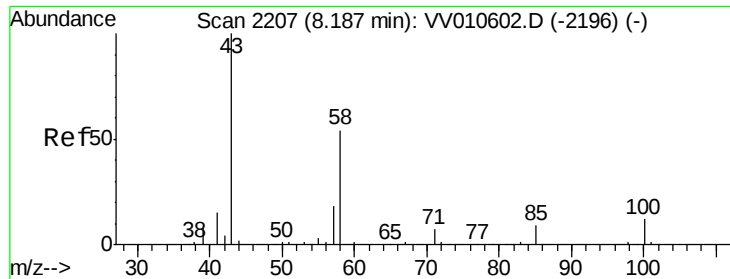
Abundance Ion 163.90 (163.60 to 164.60): VV010602.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV010602.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV010602.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV010602.D (-2143) (-)

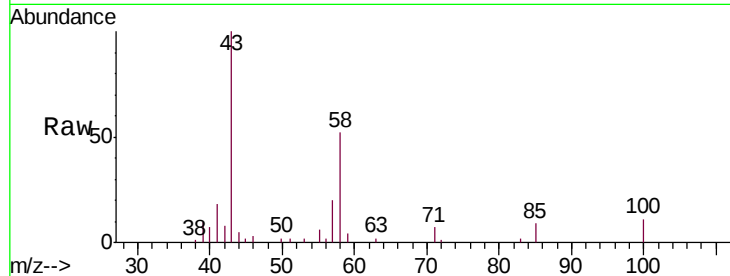




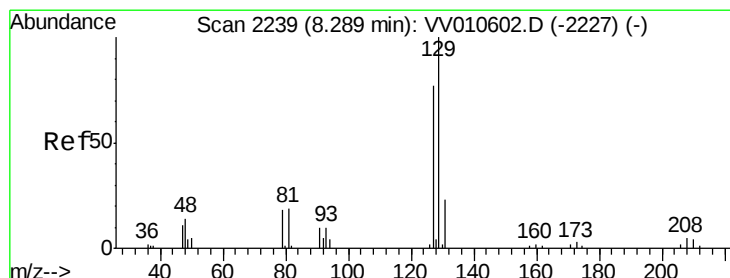
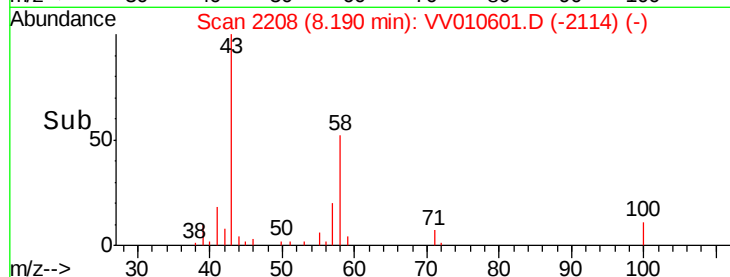
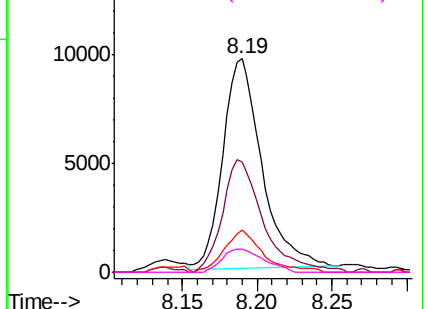
#48
2-Hexanone
Concen: 8.694 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

Tgt Ion:	43	Resp:	17564
Ion	Ratio	Lower	Upper
43	100		
58	55.8	42.9	64.3
57	20.0	13.9	20.9
100	11.7	9.3	13.9

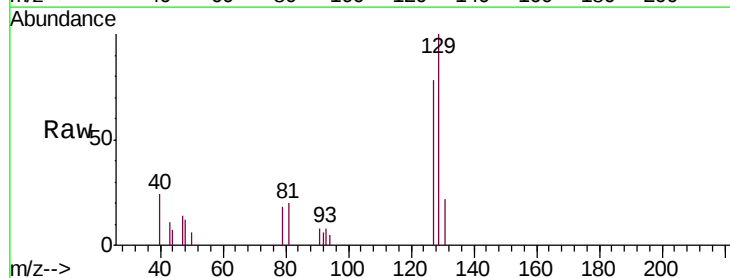


Abundance Ion 43.05 (42.75 to 43.75): VV010601.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV010601.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV010601.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV010601.D (-2196) (-)

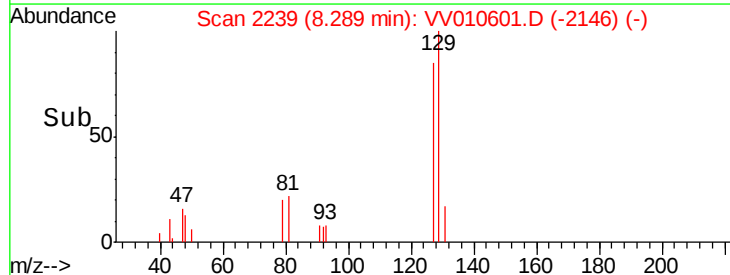
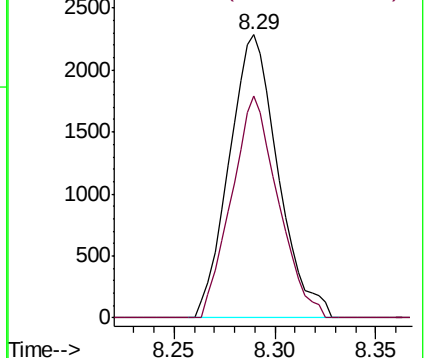


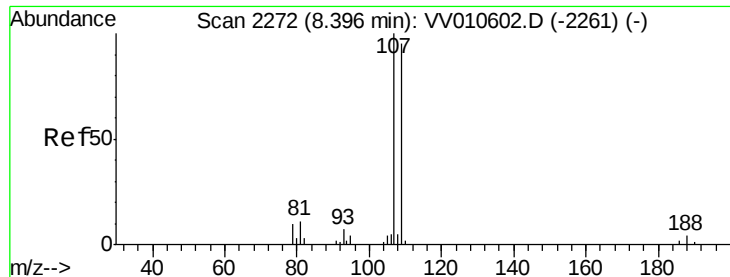
#49
Dibromochloromethane
Concen: 0.899 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Tgt Ion:	129	Resp:	3866
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV010601.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010601.D (-2146) (-)

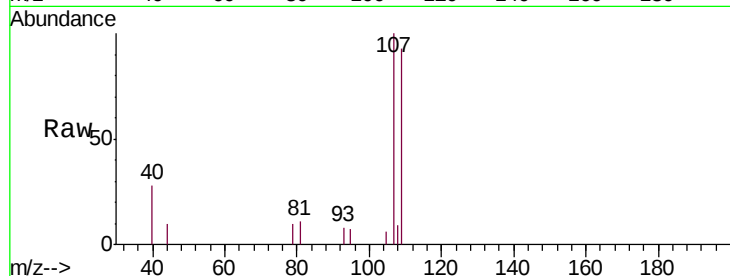




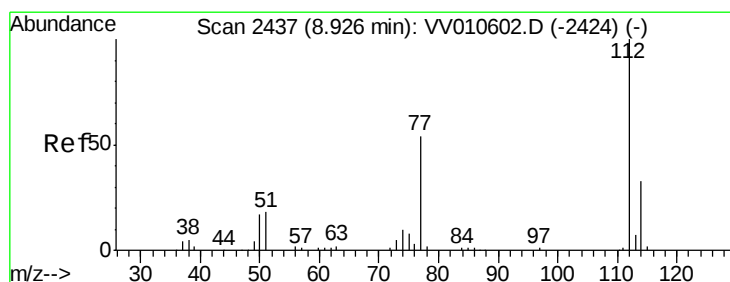
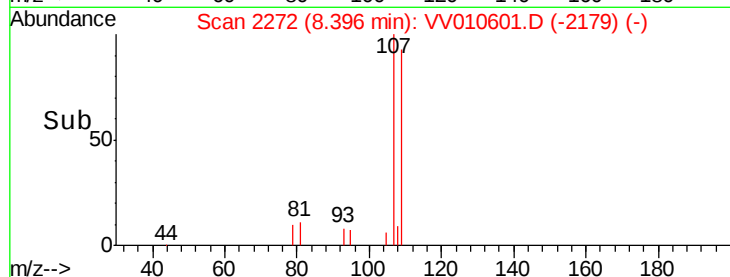
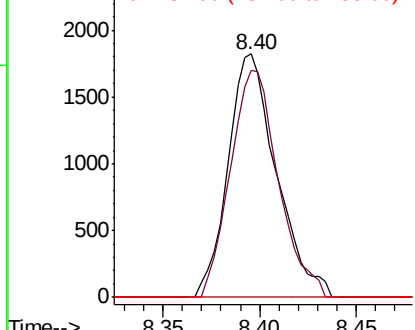
#50
1,2-Dibromoethane
Concen: 0.945 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD00137

Tgt Ion:107 Resp: 3163
Ion Ratio Lower Upper
107 100
109 93.0 66.3 123.1
188 0.0 3.3 4.9#

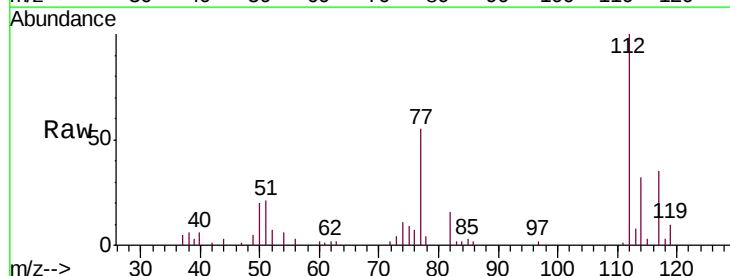


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

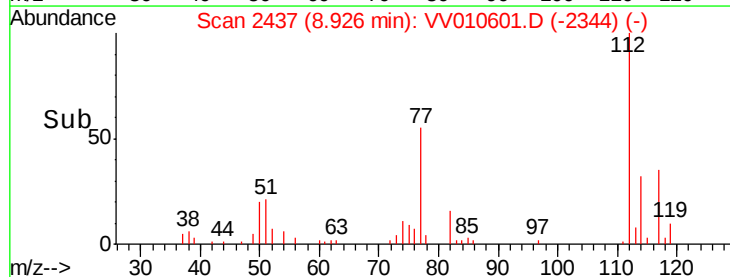
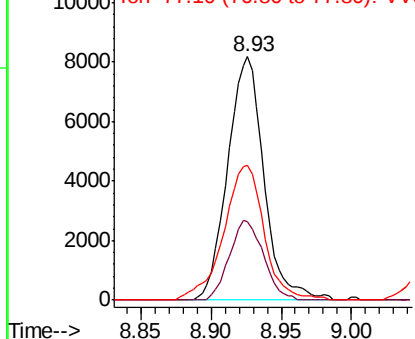


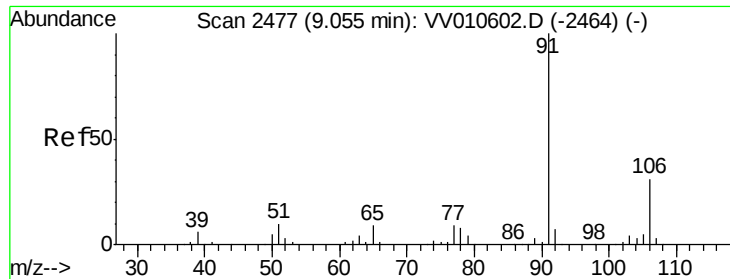
#51
Chlorobenzene
Concen: 0.959 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV010601.D
Acq: 01 May 2019 12:29

Tgt Ion:112 Resp: 14747
Ion Ratio Lower Upper
112 100
114 32.0 23.3 43.3
77 55.1 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: 0.890 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

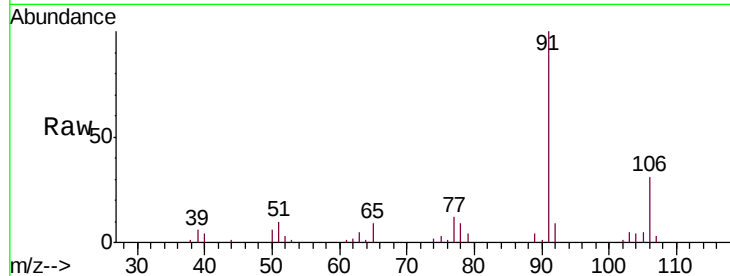
VSTD00137

Tgt Ion: 91 Resp: 22540

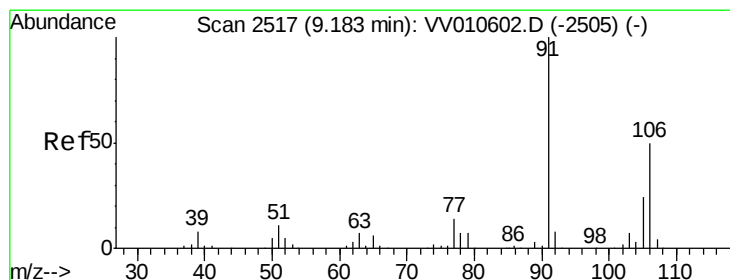
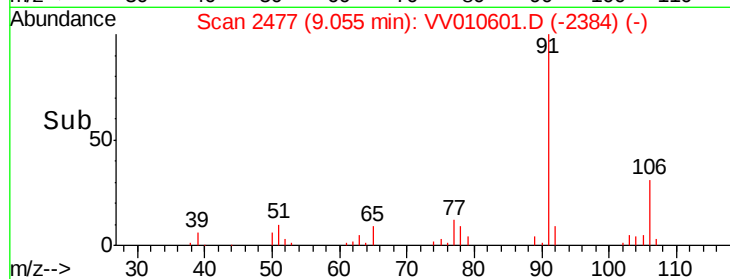
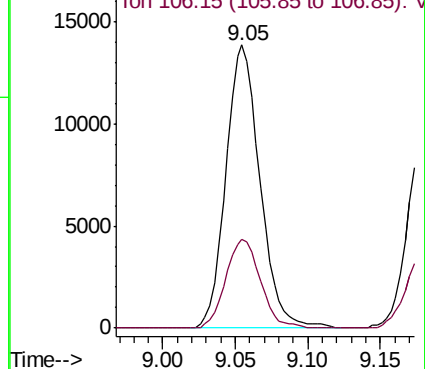
Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV010601.D (-2384) (-)



#53

m,p-xylene

Concen: 0.887 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV010601.D

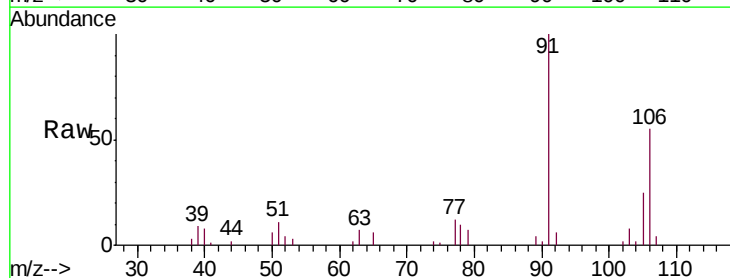
Acq: 01 May 2019 12:29

Tgt Ion: 106 Resp: 8551

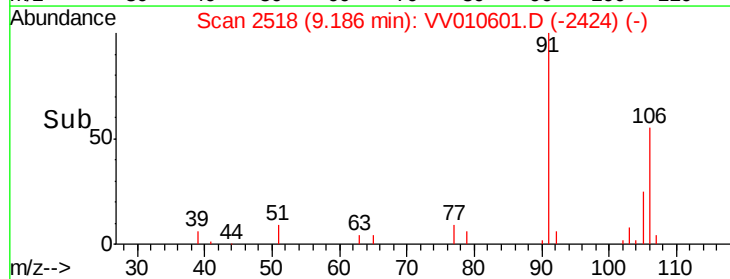
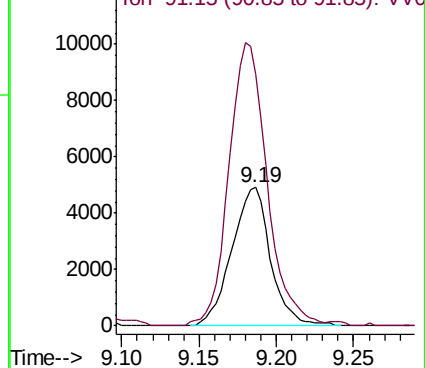
Ion Ratio Lower Upper

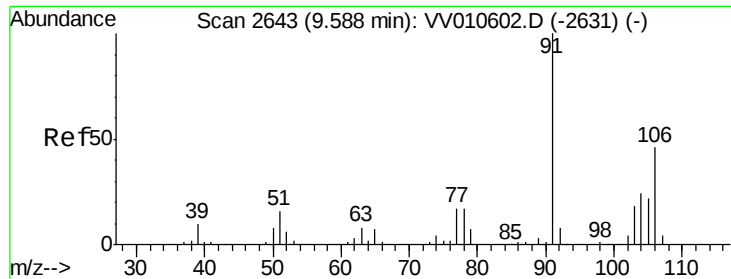
106 100

91 181.6 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV010601.D (-2424) (-)





#54

o-xylene

Concen: 0.813 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

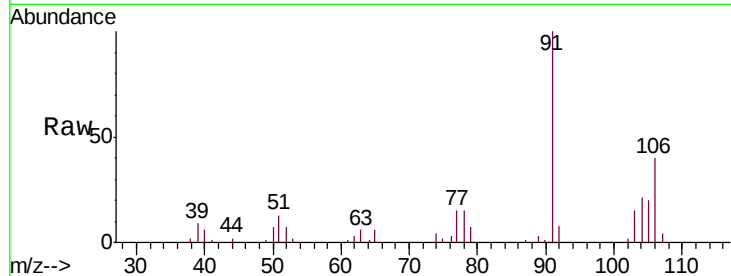
VSTD00137

Tgt Ion:106 Resp: 7721

Ion Ratio Lower Upper

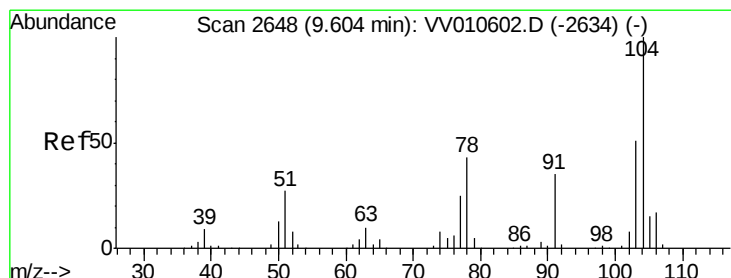
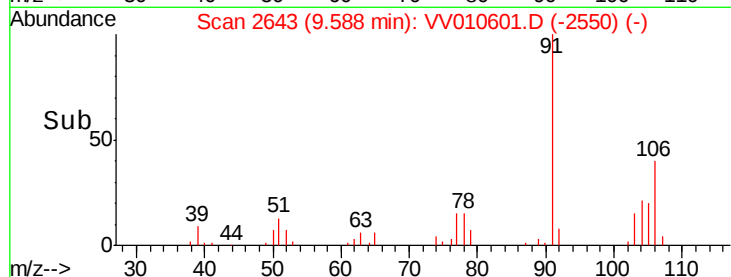
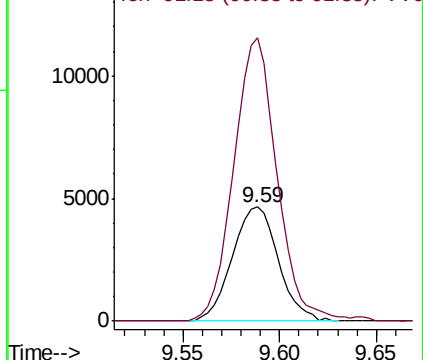
106 100

91 247.9 151.9 282.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.836 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010601.D

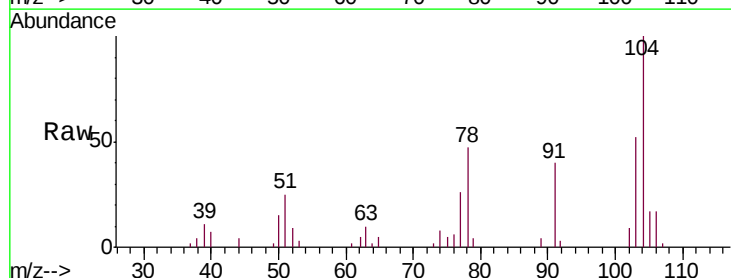
Acq: 01 May 2019 12:29

Tgt Ion:104 Resp: 12974

Ion Ratio Lower Upper

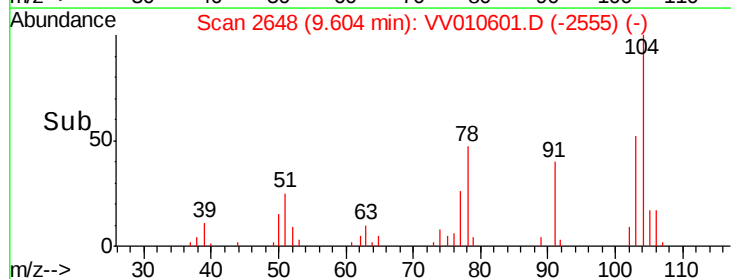
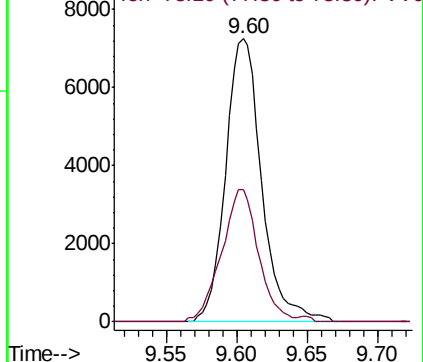
104 100

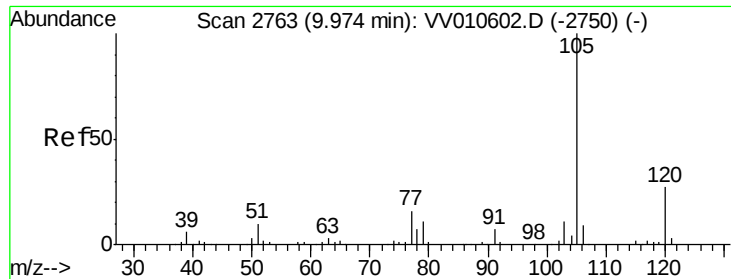
78 46.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.841 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

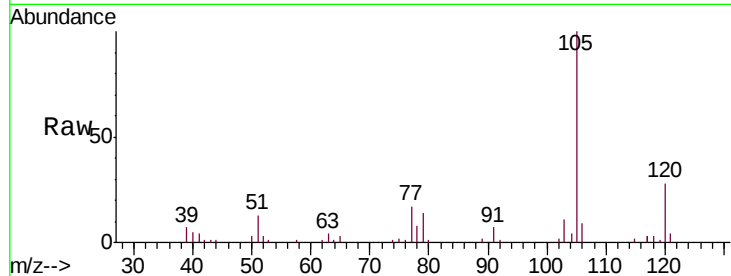
Tgt Ion: 105 Resp: 20500

Ion Ratio Lower Upper

105 100

120 28.1 22.0 33.0

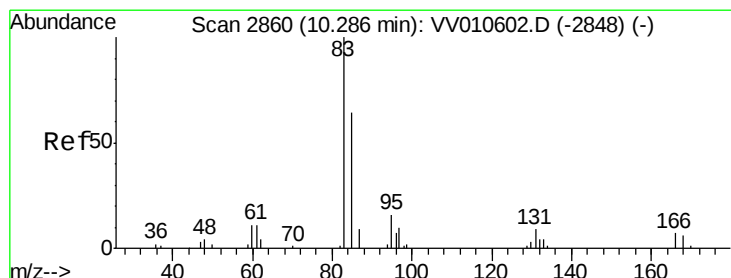
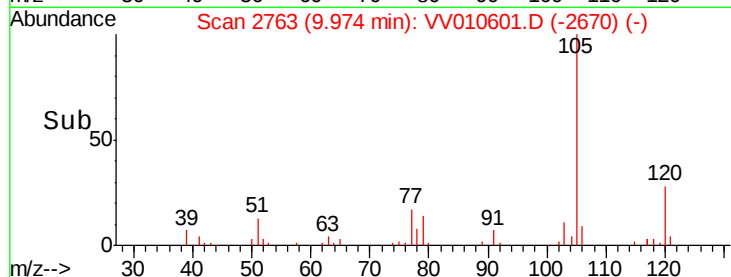
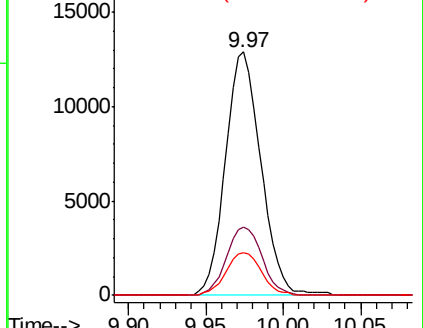
77 17.4 12.9 19.3



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: 0.924 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

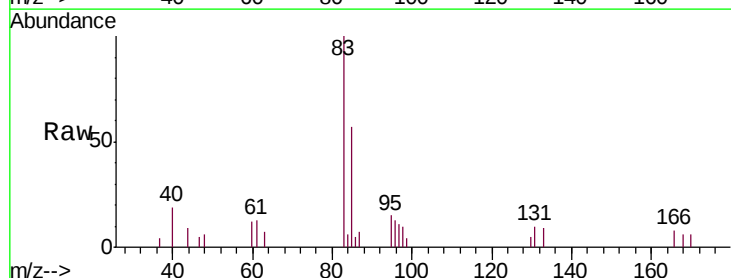
Tgt Ion: 83 Resp: 3997

Ion Ratio Lower Upper

83 100

85 57.3 44.7 83.1

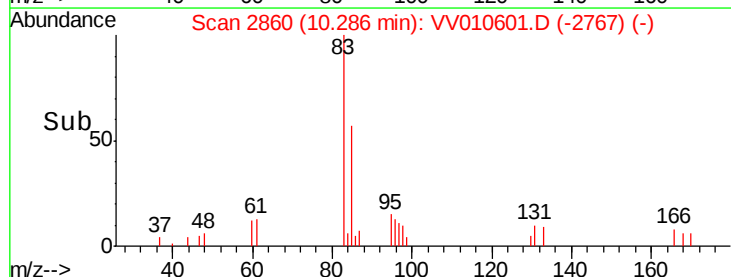
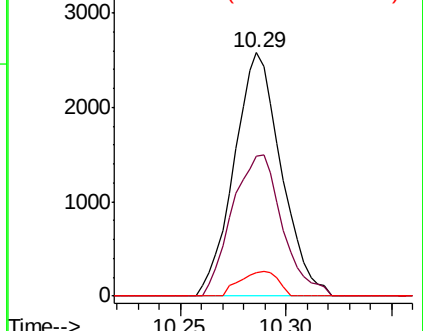
131 9.7 8.1 12.1

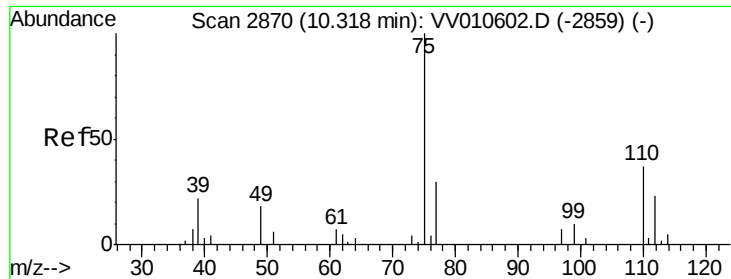


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

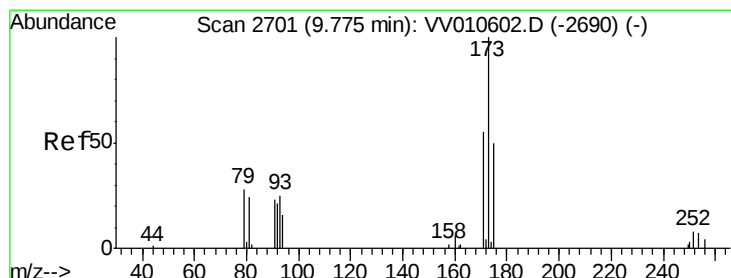
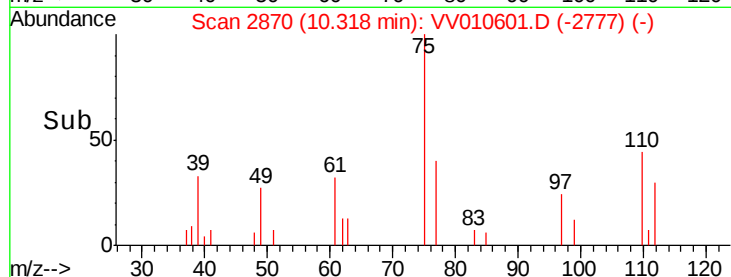
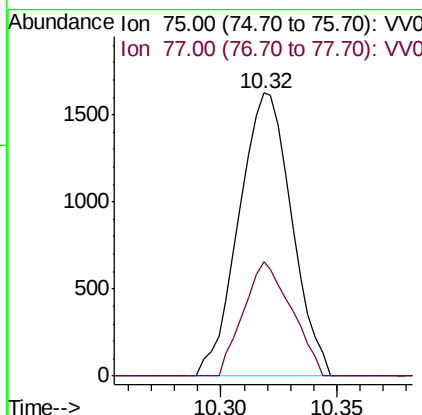
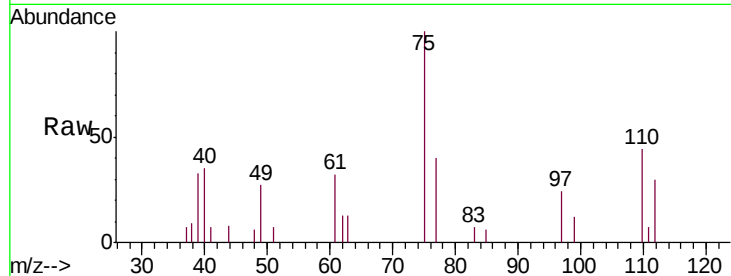




#59
 1,2,3-Trichloropropane
 Concen: 0.823 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

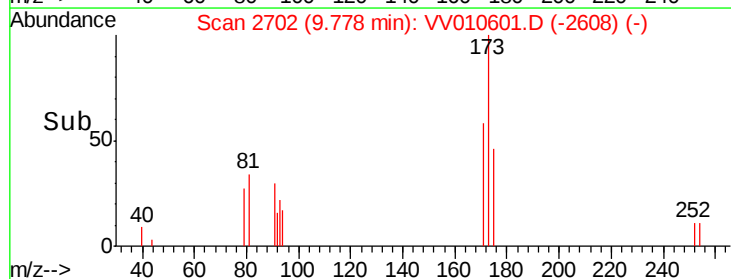
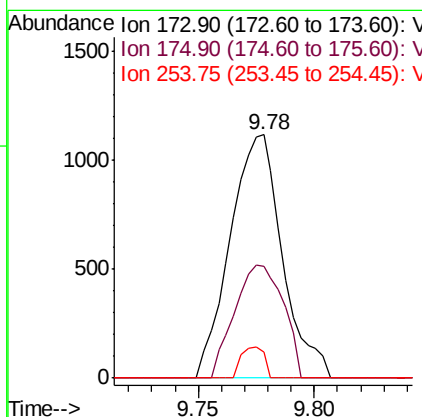
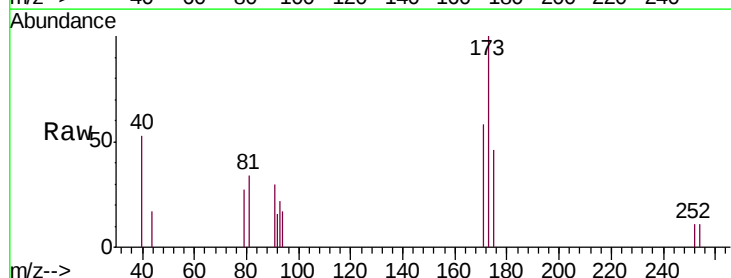
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

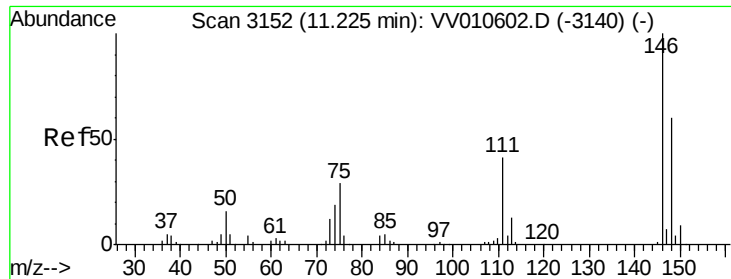
Tgt Ion: 75 Resp: 2568
 Ion Ratio Lower Upper
 75 100
 77 36.8 24.8 37.2



#61
 Bromoform
 Concen: 0.904 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion: 173 Resp: 1745
 Ion Ratio Lower Upper
 173 100
 175 43.2 36.7 55.1
 254 5.6 5.9 8.9#





#62

1,3-Dichlorobenzene

Concen: 0.975 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

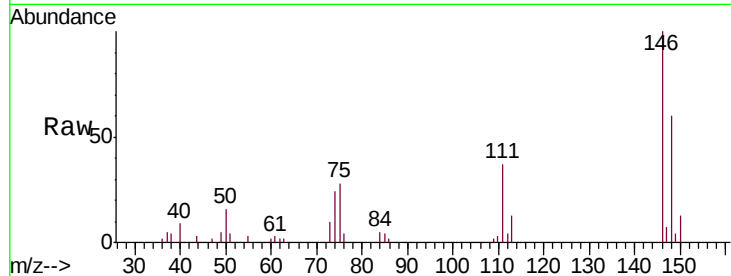
Tgt Ion:146 Resp: 10207

Ion Ratio Lower Upper

146 100

111 37.5 28.8 53.6

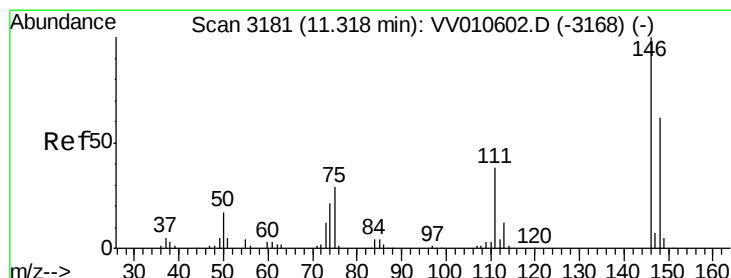
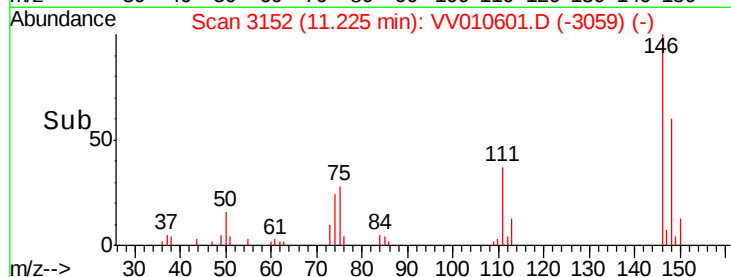
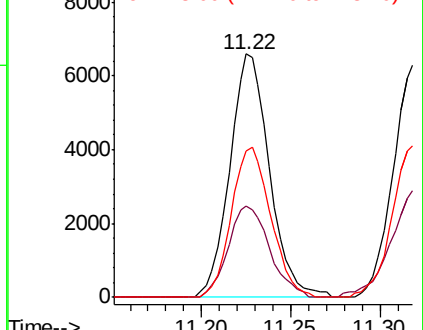
148 59.9 42.3 78.5



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: 0.968 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

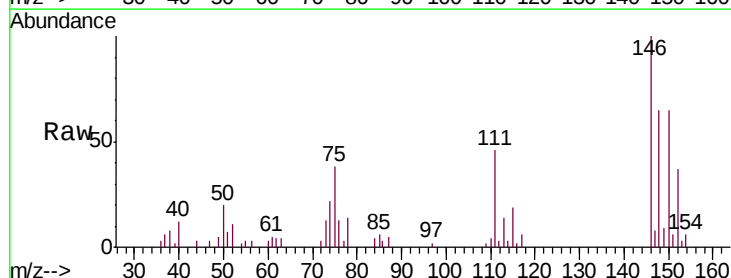
Tgt Ion:146 Resp: 10224

Ion Ratio Lower Upper

146 100

111 45.9 26.8 49.8

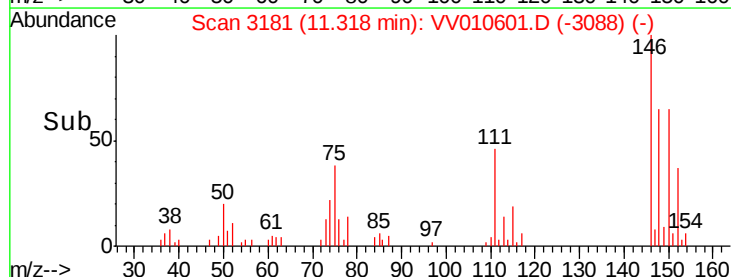
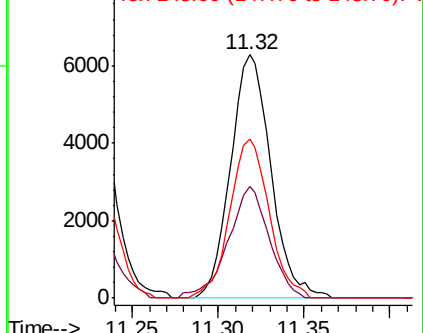
148 65.4 43.2 80.2

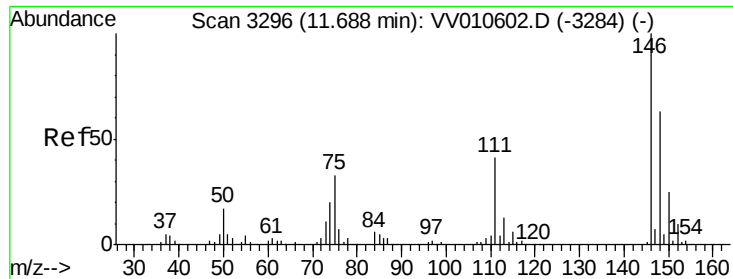


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.987 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

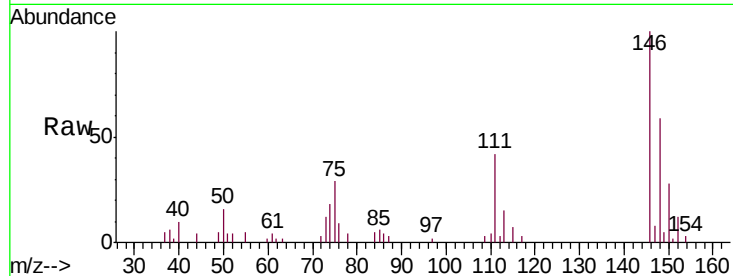
Tgt Ion:146 Resp: 9759

Ion Ratio Lower Upper

146 100

111 41.8 32.7 49.1

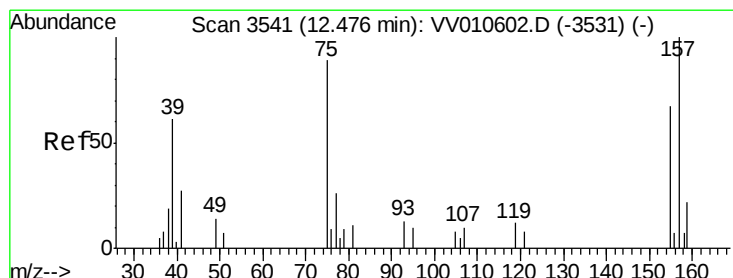
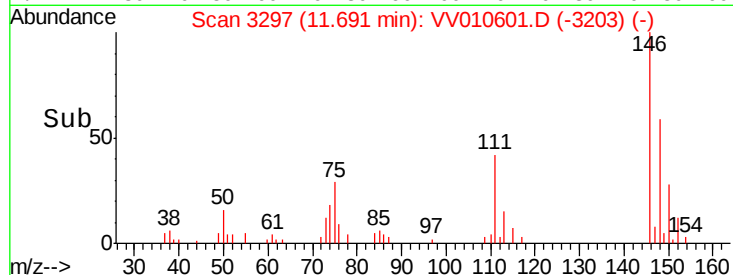
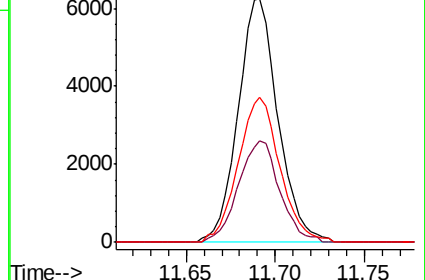
148 59.4 50.2 75.4



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: 0.984 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

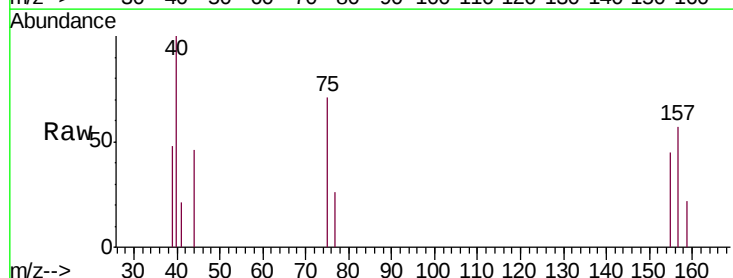
Tgt Ion: 75 Resp: 599

Ion Ratio Lower Upper

75 100

155 63.6 60.8 91.2

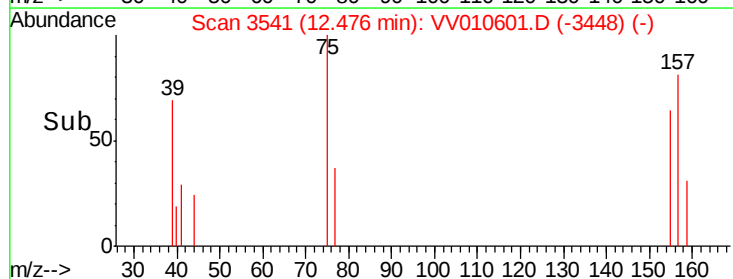
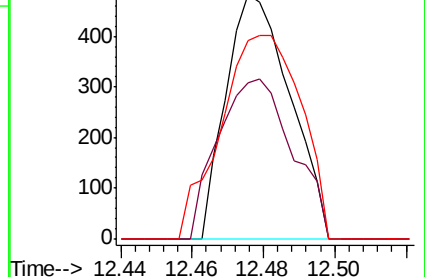
157 81.2 90.2 135.4#

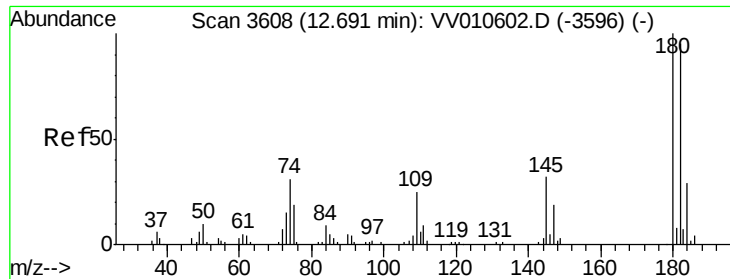


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

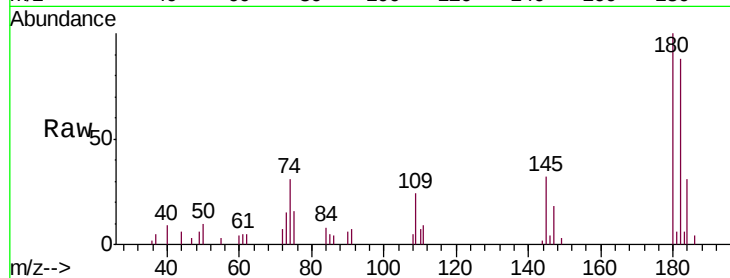




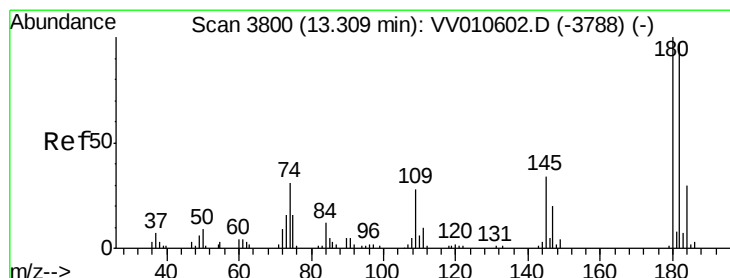
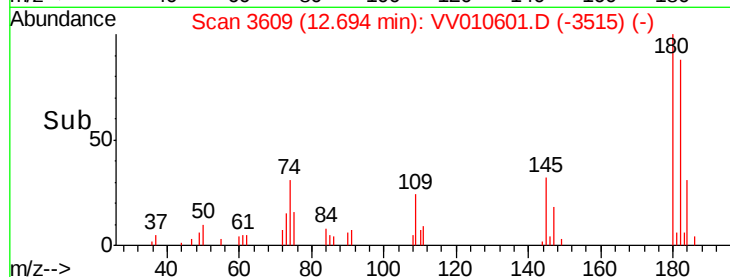
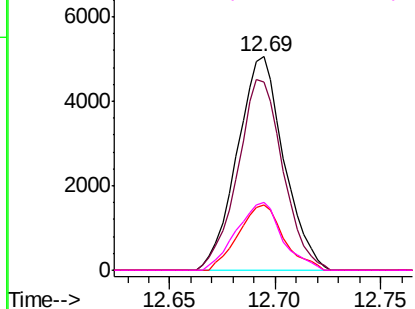
#67
 1,3,5-Trichlorobenzene
 Concen: 1.009 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00137

Tgt Ion:	180	Resp:	7761
Ion	Ratio	Lower	Upper
180	100		
182	86.8	77.0	115.6
184	29.7	23.4	35.2
145	31.4	25.5	38.3

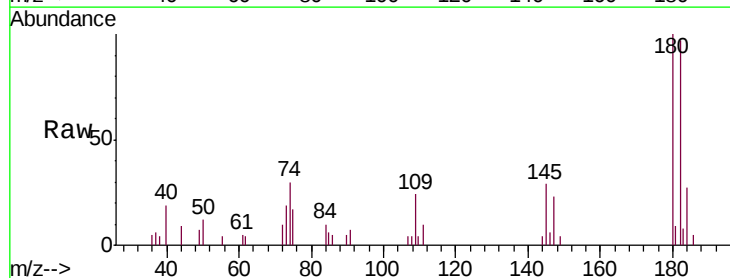


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

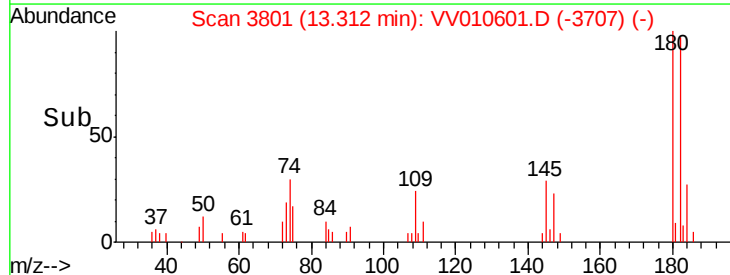
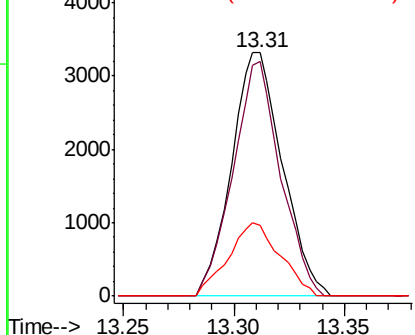


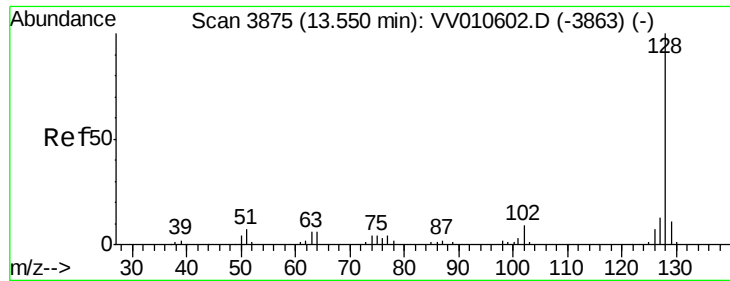
#68
 1,2,4-trichlorobenzene
 Concen: 0.899 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010601.D
 Acq: 01 May 2019 12:29

Tgt Ion:	180	Resp:	5287
Ion	Ratio	Lower	Upper
180	100		
182	90.2	77.7	116.5
145	30.7	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: 0.738 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD00137

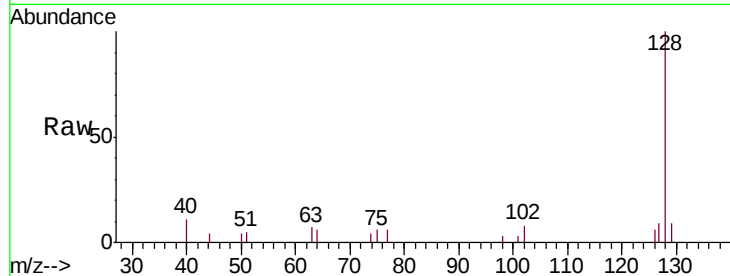
Tgt Ion:128 Resp: 6962

Ion Ratio Lower Upper

128 100

129 9.2 8.5 12.7

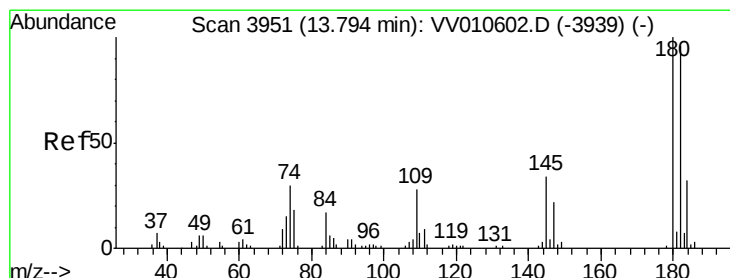
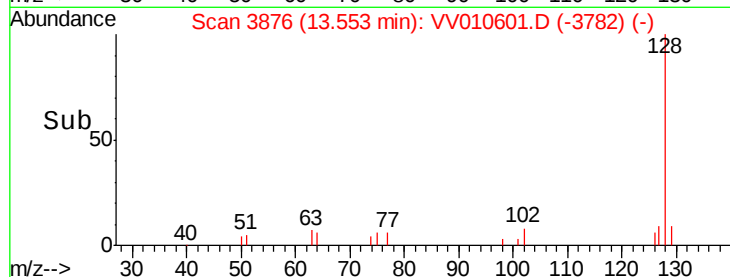
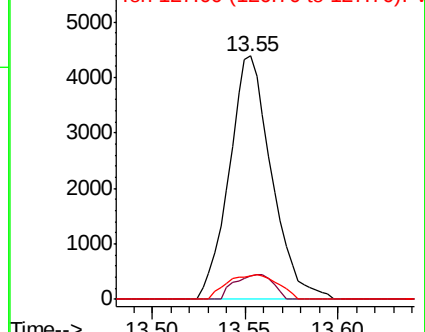
127 12.0 10.3 15.5



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: 0.834 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010601.D

Acq: 01 May 2019 12:29

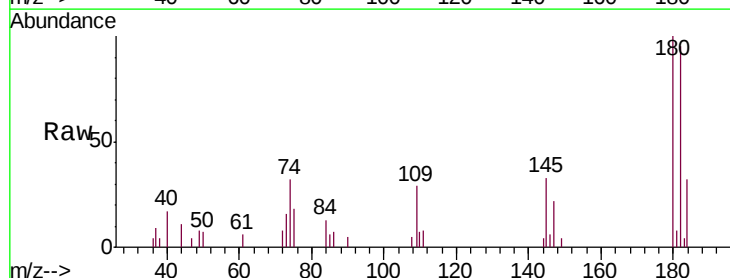
Tgt Ion:180 Resp: 4497

Ion Ratio Lower Upper

180 100

182 97.4 76.0 114.0

145 35.0 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

