

Data File : VV010600.D
Acq On : 01 May 2019 11:52
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: May 02 07:58:13 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	90508	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	88227	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	38063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2788	0.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	1708	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	5241	0.54	ug/L	0.00
20) 2-Butanone-d5	3.97	46	5457	4.77	ug/L	0.00
24) Chloroform-d	4.40	84	5908	0.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	2997	0.56	ug/L	0.00
32) Benzene-d6	5.10	84	11015	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	3186	0.52	ug/L	0.00
41) Toluene-d8	7.36	98	10598	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1064	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4347	4.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	2513	0.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	3609	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4118	0.517 ug/L #	87
3) Chloromethane	1.25	50	3483	0.478 ug/L #	81
5) Vinyl chloride	1.32	62	3553	0.487 ug/L	93
6) Bromomethane	1.54	94	2218	0.698 ug/L	84
8) Chloroethane	1.60	64	1559	0.452 ug/L	97
9) Trichlorofluoromethane	1.77	101	5436	0.463 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2832	0.472 ug/L	100
12) 1,1-Dichloroethene	2.14	96	2627	0.503 ug/L	81
13) Acetone	2.22	43	4164	5.941 ug/L	97
14) Carbon disulfide	2.31	76	7018	0.475 ug/L	97
15) Methyl Acetate	2.47	43	1322	0.560 ug/L #	80
16) Methylene chloride	2.53	84	3394	0.506 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	6116	0.511 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2925	0.502 ug/L	94
19) 1,1-Dichloroethane	3.23	63	5359	0.494 ug/L	98
21) 2-Butanone	4.05	43	3996	3.193 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	3219	0.499 ug/L	93
23) Bromochloromethane	4.30	128	1463	0.563 ug/L #	73
25) Chloroform	4.43	83	5922	0.510 ug/L	85
27) 1,2-Dichloroethane	5.19	62	3440	0.527 ug/L #	74
29) 1,1,1-Trichloroethane	4.66	97	4681	0.480 ug/L #	88
30) Cyclohexane	4.72	56	4285	0.476 ug/L	95
31) Carbon tetrachloride	4.87	117	4026	0.451 ug/L	98
33) Benzene	5.14	78	11088	0.481 ug/L	100
34) Trichloroethene	5.96	95	3355	0.502 ug/L	92
35) Methylcyclohexane	6.17	83	4492	0.481 ug/L	94
37) 1,2-Dichloropropane	6.22	63	2642	0.458 ug/L #	87
38) Bromodichloromethane	6.55	83	3338	0.450 ug/L #	77
39) cis-1,3-Dichloropropene	7.07	75	3432	0.435 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	14739	4.775 ug/L	97

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Instrument :
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ClientSampleId :
VSTD0.536

Quant Time: May 02 07:58:13 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	11907	0.461	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	2817	0.469	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	2110	0.548	ug/L #	82
47) Tetrachloroethene	8.02	164	2593	0.507	ug/L	87
48) 2-Hexanone	8.19	43	10416	4.678	ug/L	97
49) Dibromochloromethane	8.29	129	2033	0.429	ug/L	99
50) 1,2-Dibromoethane	8.40	107	1533	0.416	ug/L #	92
51) Chlorobenzene	8.92	112	8085	0.477	ug/L	93
52) Ethylbenzene	9.05	91	12139	0.435	ug/L	92
53) m,p-xylene	9.18	106	4043	0.381	ug/L	87
54) o-xylene	9.59	106	4506	0.431	ug/L	93
55) Styrene	9.60	104	6886	0.402	ug/L	99
56) Isopropylbenzene	9.97	105	11079	0.412	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	2239	0.470	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	1556	0.453	ug/L	93
61) Bromoform	9.77	173	1154	0.537	ug/L #	90
62) 1,3-Dichlorobenzene	11.23	146	5723	0.491	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	5518	0.469	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	5423	0.493	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	222	0.328	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.69	180	4218	0.493	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3206	0.490	ug/L	93
69) Naphthalene	13.55	128	4098	0.390	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.79	180	2589	0.431	ug/L	96

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

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ALS Vial      : 2      Sample Multiplier: 1
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MSVOA_V
ClientSampleId :
VSTD0.536

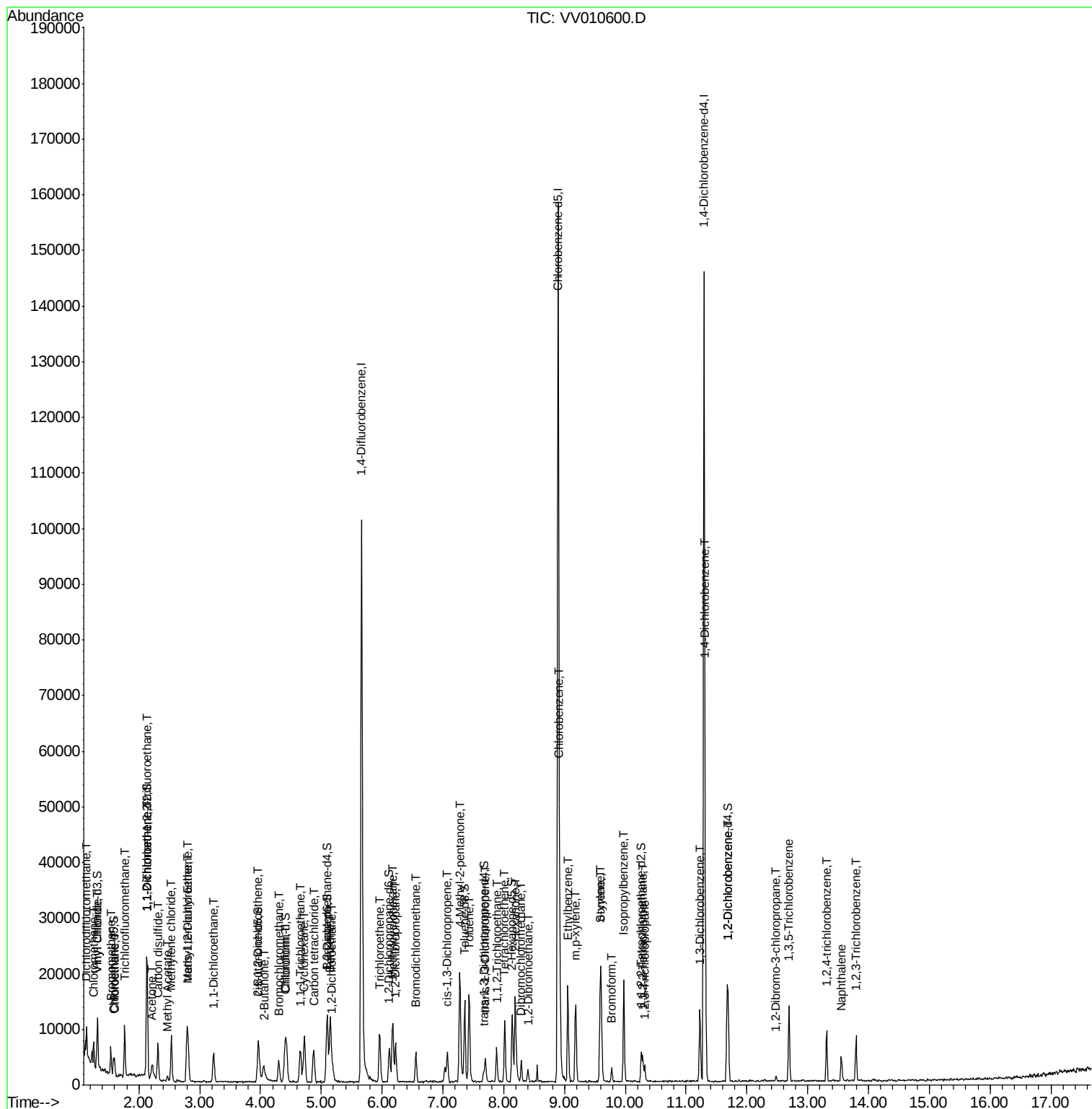
Quant Time: May 02 07:58:13 2019

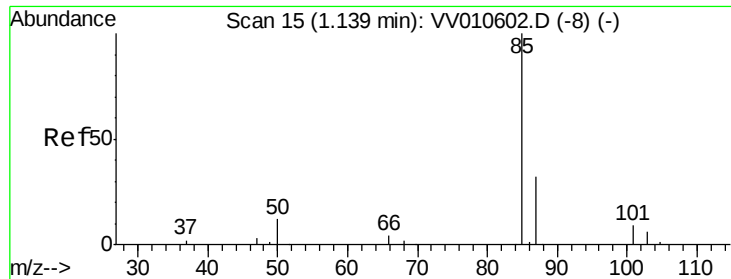
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050119WMA.M

Quant Title : TRACE VOA SOM01.0

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.517 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

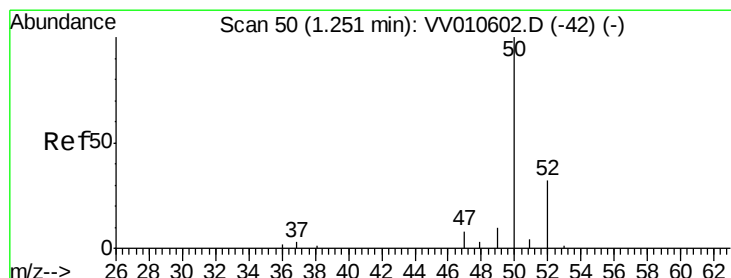
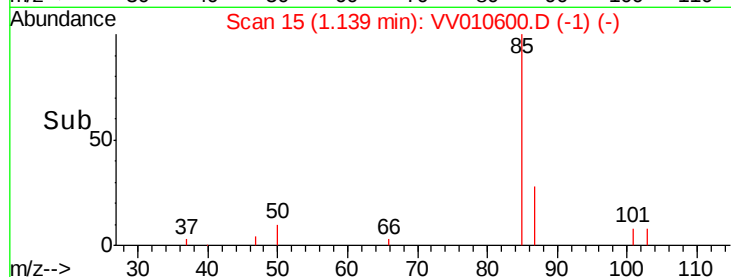
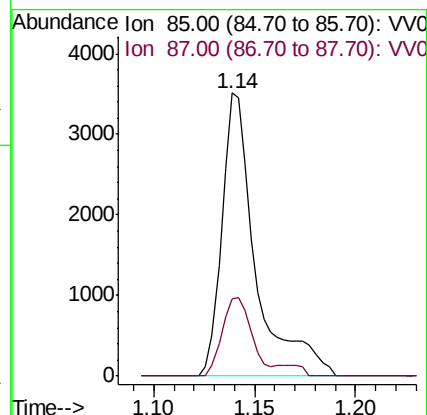
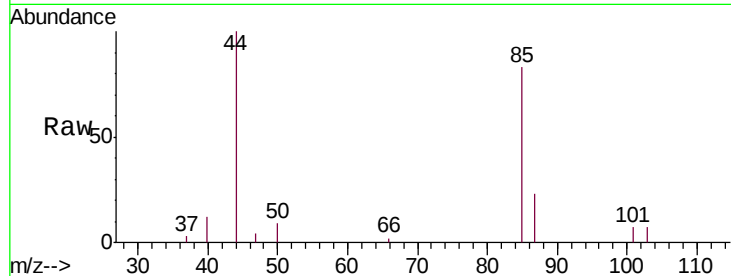
VSTD0.536

Tgt Ion: 85 Resp: 4118

Ion Ratio Lower Upper

85 100

87 24.7 25.7 38.5#



#3

Chloromethane

Concen: 0.478 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010600.D

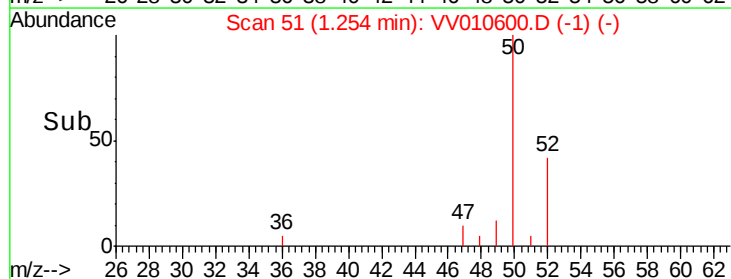
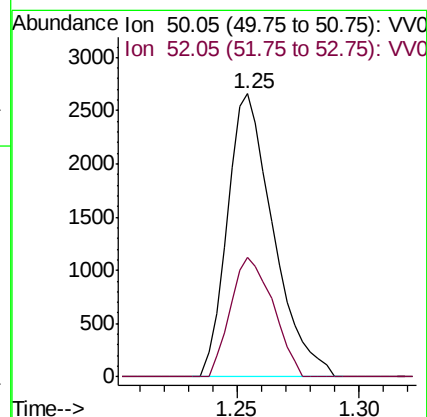
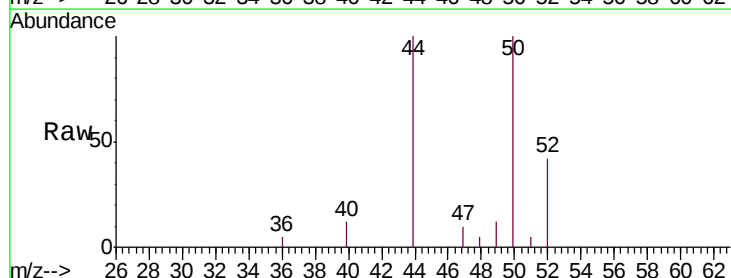
Acq: 01 May 2019 11:52

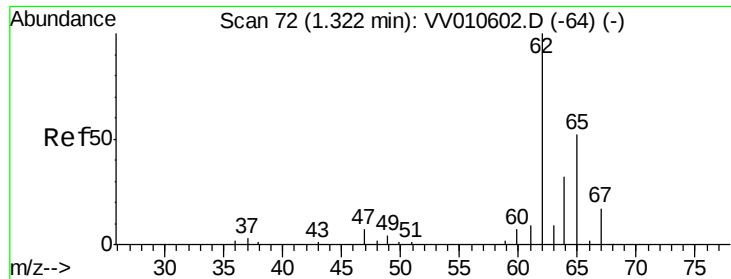
Tgt Ion: 50 Resp: 3483

Ion Ratio Lower Upper

50 100

52 42.2 22.0 41.0#





#5

Vinyl chloride

Concen: 0.487 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampled :

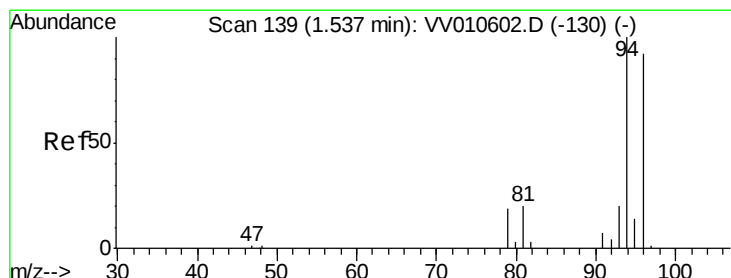
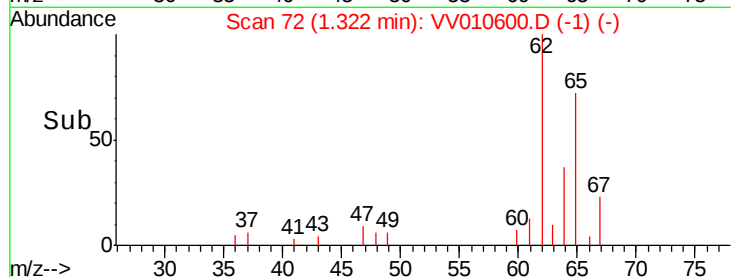
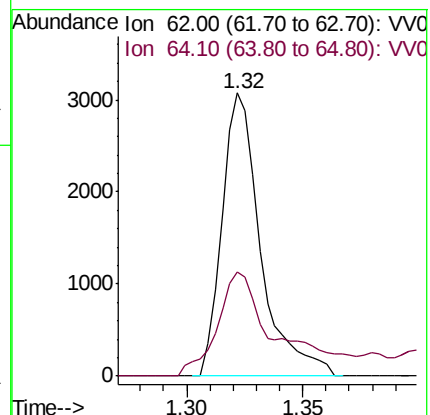
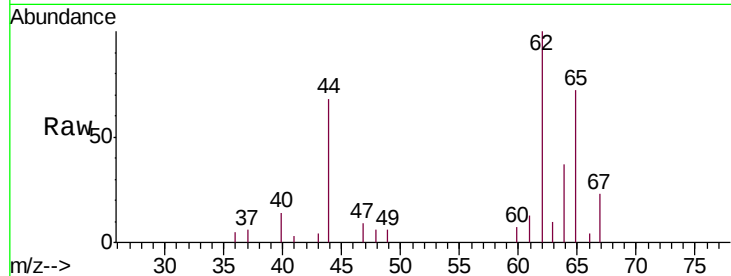
VSTD0.536

Tgt Ion: 62 Resp: 3553

Ion Ratio Lower Upper

62 100

64 37.0 23.1 42.9



#6

Bromomethane

Concen: 0.698 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010600.D

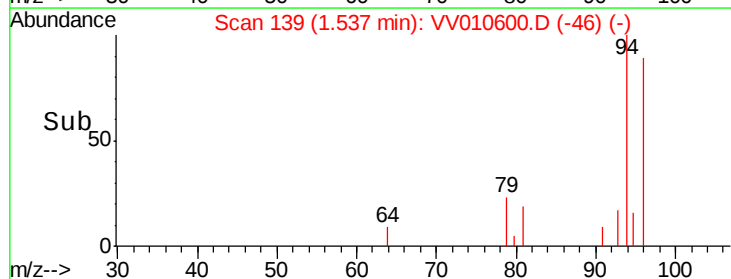
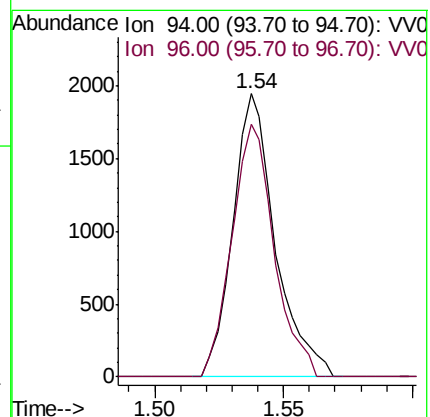
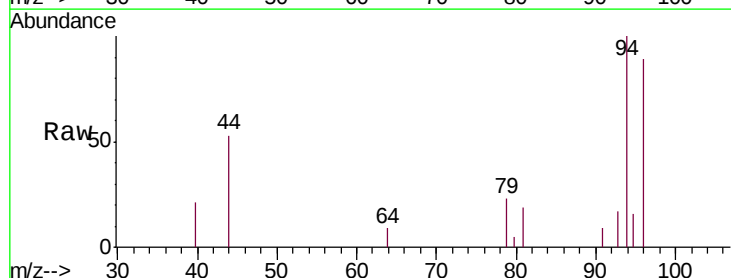
Acq: 01 May 2019 11:52

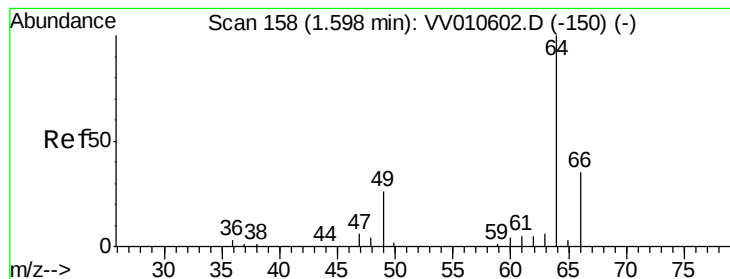
Tgt Ion: 94 Resp: 2218

Ion Ratio Lower Upper

94 100

96 77.1 64.5 119.7





#8

Chloroethane

Concen: 0.452 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

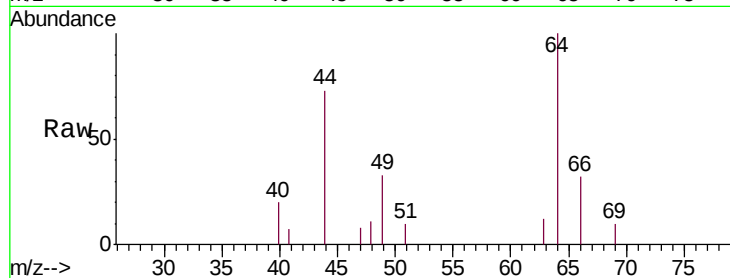
VSTD0.536

Tgt Ion: 64 Resp: 1559

Ion Ratio Lower Upper

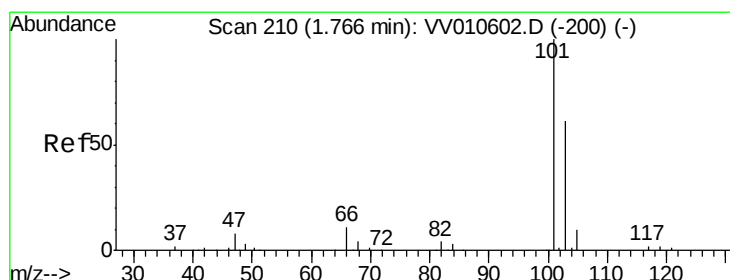
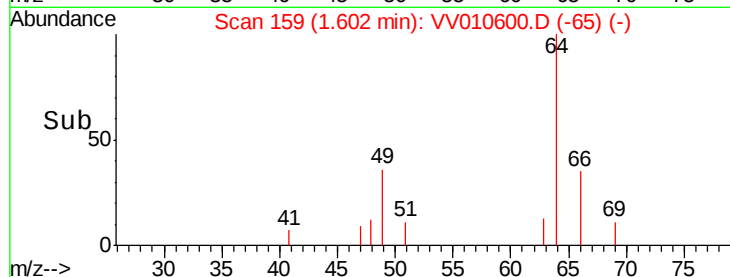
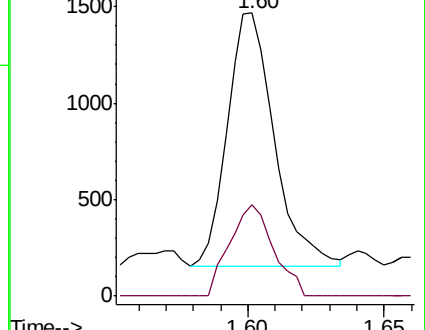
64 100

66 32.3 23.8 44.2



Abundance Ion 64.10 (63.80 to 64.80): VV010600.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV010600.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 0.463 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010600.D

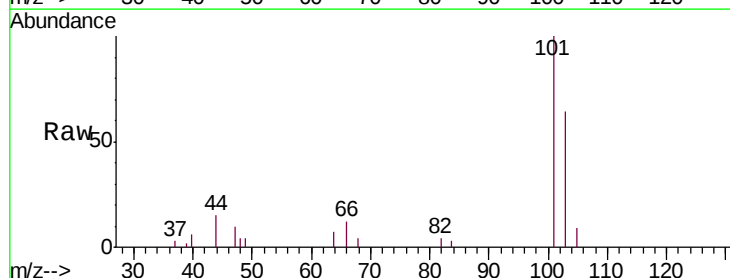
Acq: 01 May 2019 11:52

Tgt Ion: 101 Resp: 5436

Ion Ratio Lower Upper

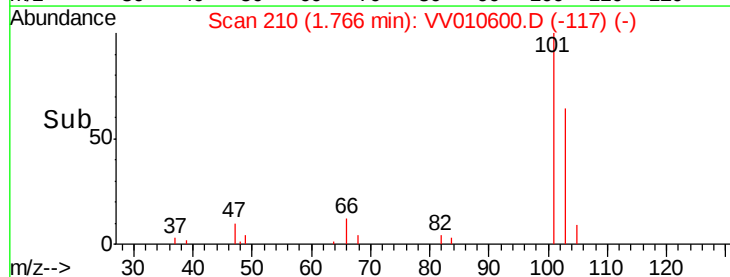
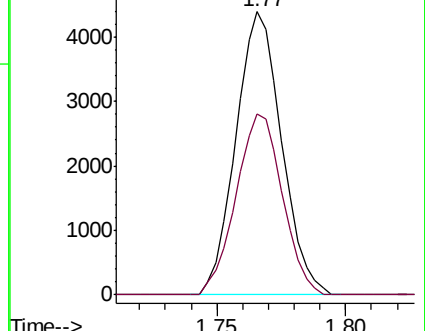
101 100

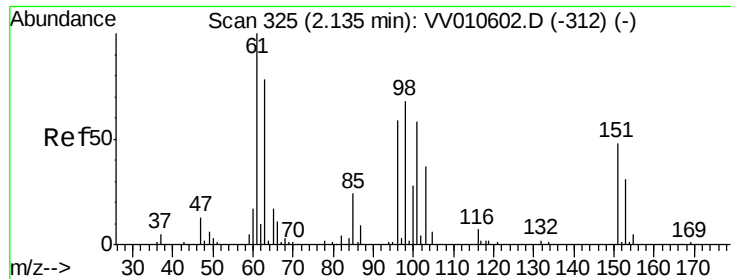
103 64.7 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): VV010600.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010600.D (-200) (-)





#10

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

Concen: 0.472 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

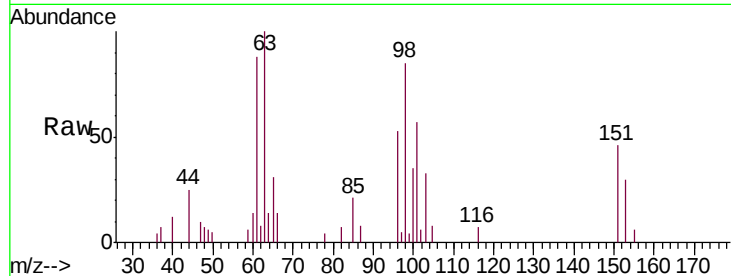
Tgt Ion:101 Resp: 2832

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

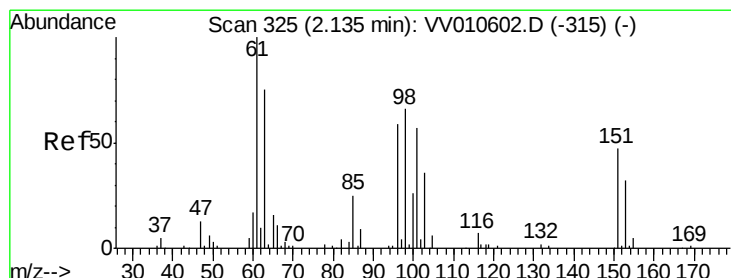
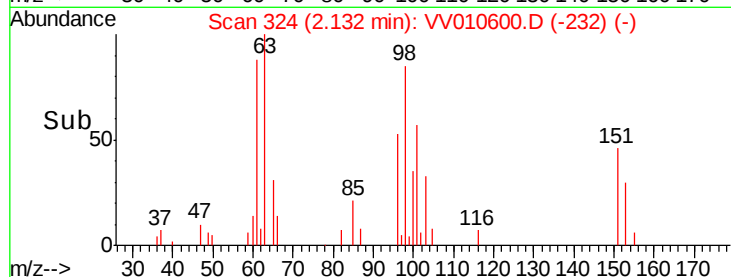
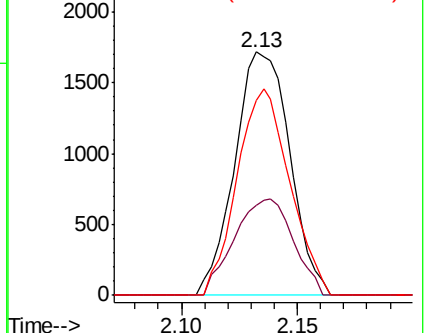
151 81.2 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.503 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

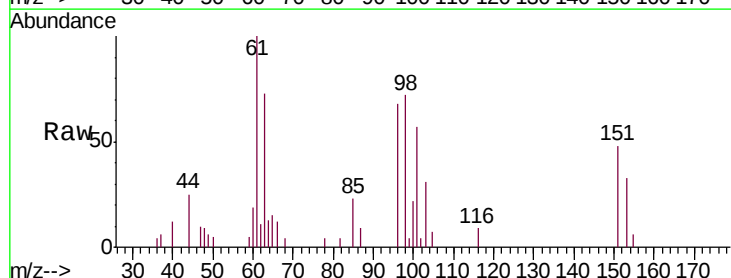
Tgt Ion: 96 Resp: 2627

Ion Ratio Lower Upper

96 100

61 146.1 118.7 220.5

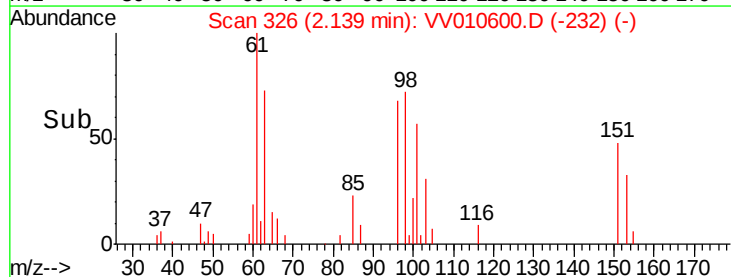
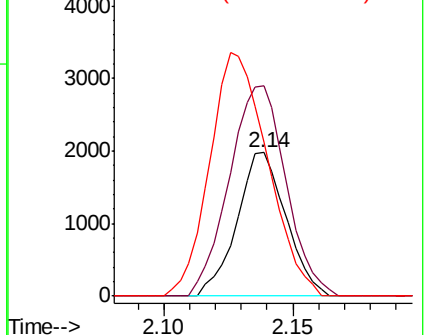
63 107.3 93.2 173.0

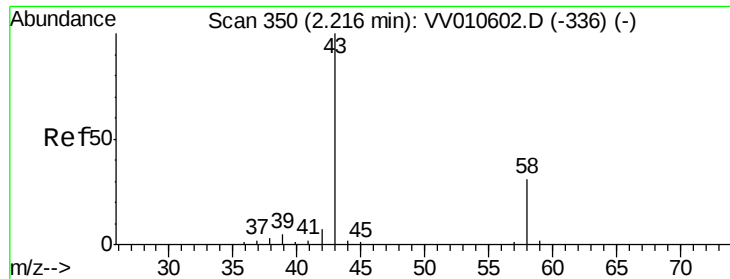


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.941 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

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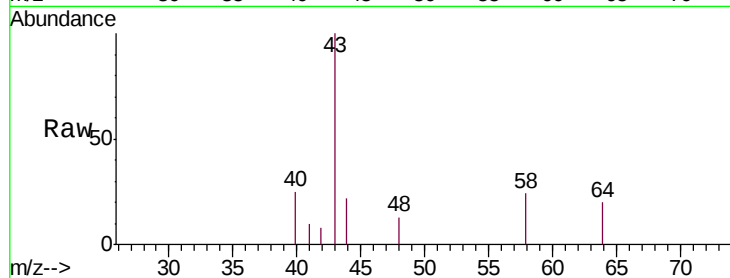
VSTD0.536

Tgt Ion: 43 Resp: 4164

Ion Ratio Lower Upper

43 100

58 29.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010600.D (-257) (-)

Ion 58.05 (57.75 to 58.75): VV010600.D (-257) (-)

2.22

1500

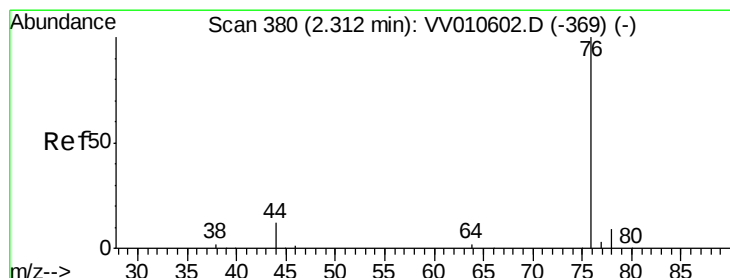
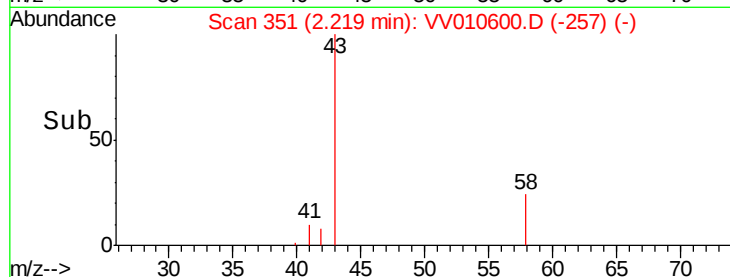
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.475 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010600.D

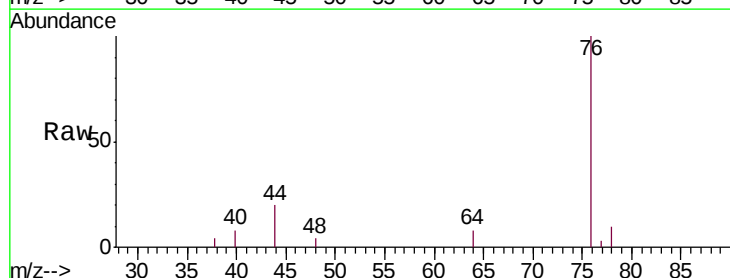
Acq: 01 May 2019 11:52

Tgt Ion: 76 Resp: 7018

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010600.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV010600.D (-287) (-)

2.31

5000

4000

3000

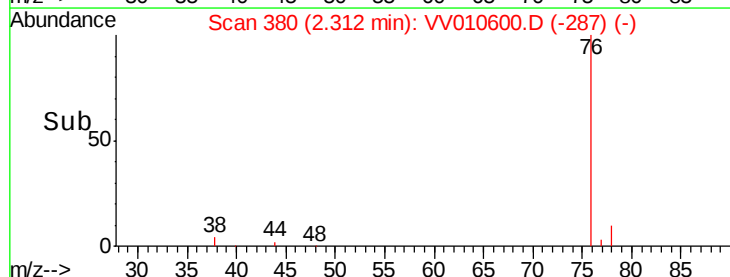
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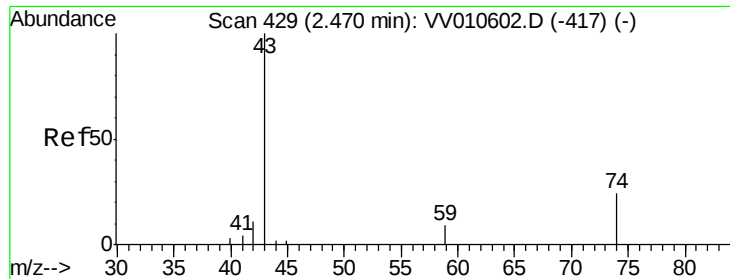
1000

0

Time-->

2.25 2.30 2.35





#15

Methyl Acetate

Concen: 0.560 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

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ClientSampleId :

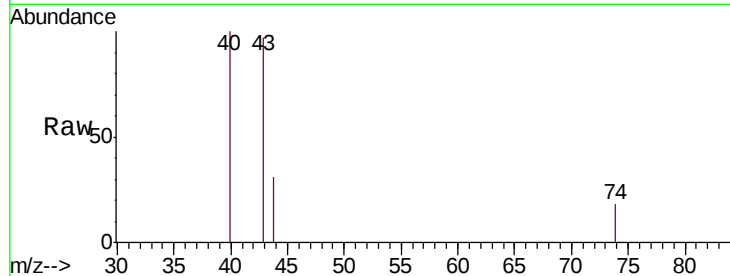
VSTD0.536

Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

74 12.6 17.5 26.3#



Abundance Ion 43.05 (42.75 to 43.75): VV010600.D (-336) (-)

Ion 74.05 (73.75 to 74.75): VV010600.D (-336) (-)

2.47

600

400

200

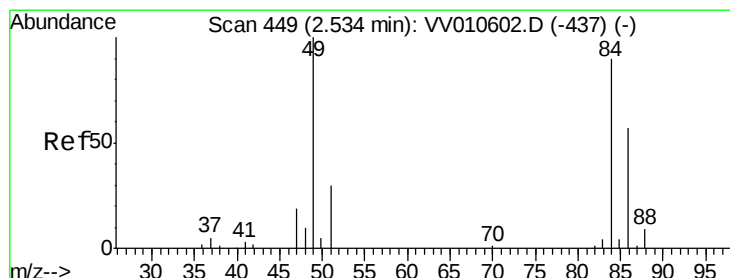
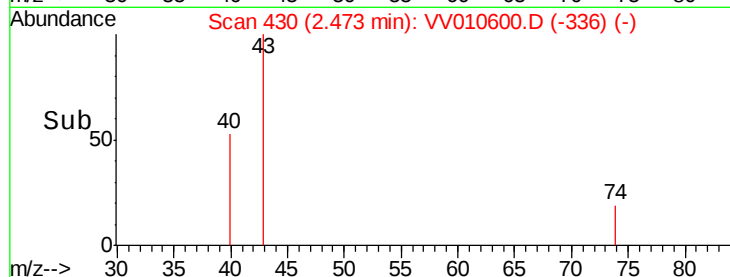
0

2.40

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 0.506 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

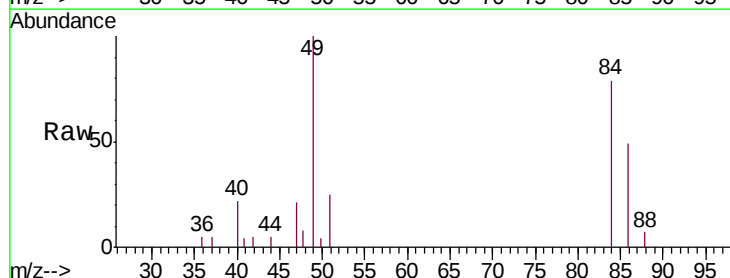
Tgt Ion: 84 Resp: 3394

Ion Ratio Lower Upper

84 100

86 62.1 44.2 82.0

49 126.4 77.8 144.6



Abundance Ion 84.05 (83.75 to 84.75): VV010600.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV010600.D (-356) (-)

Ion 49.10 (48.80 to 49.80): VV010600.D (-356) (-)

3000

2000

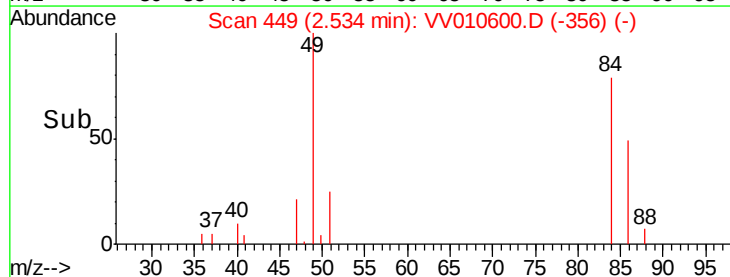
1000

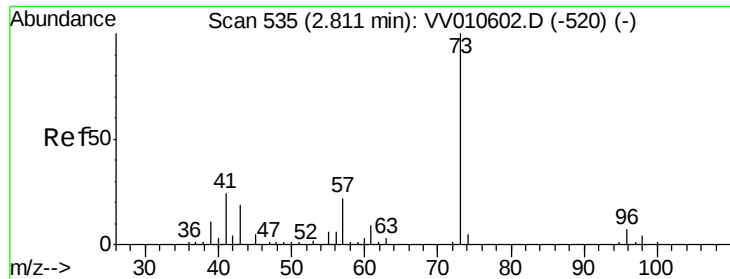
0

2.50

2.55

Time-->

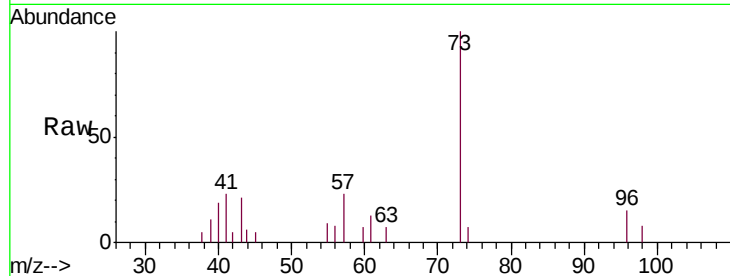




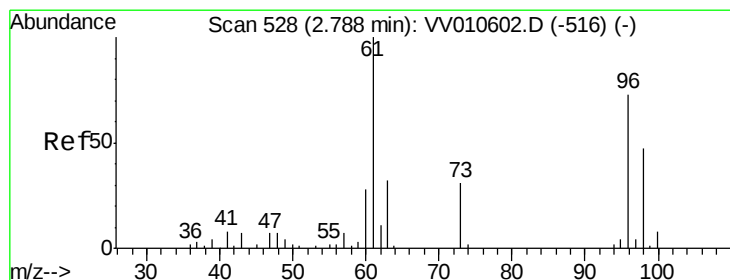
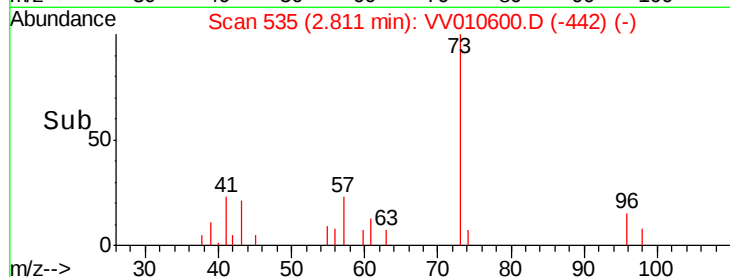
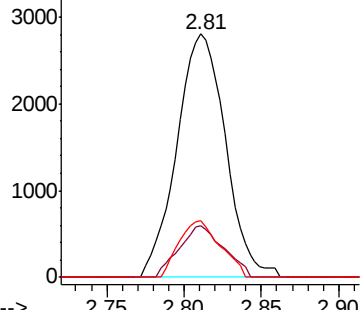
#17
Methyl tert-butyl Ether
Concen: 0.511 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Instrument :
MSVOA_V
ClientSampled :
VSTD0.536

Tgt Ion: 73 Resp: 6116
Ion Ratio Lower Upper
73 100
43 19.3 16.1 24.1
57 19.8 17.9 26.9

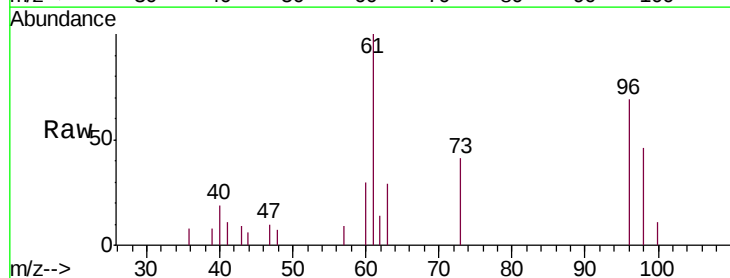


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

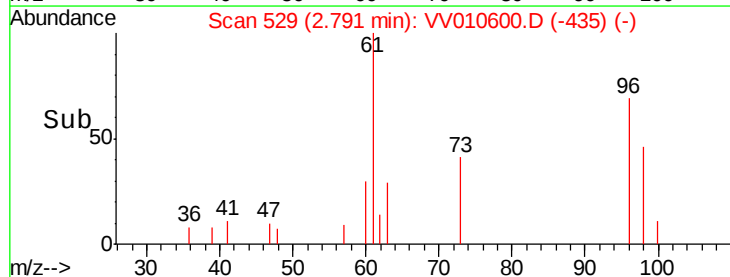
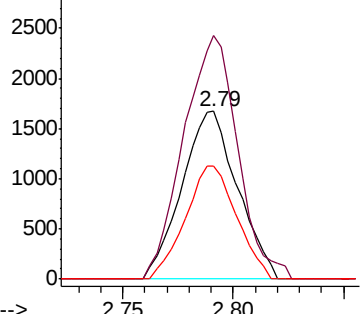


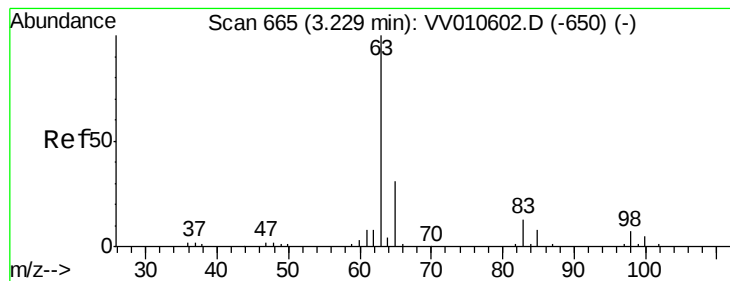
#18
trans-1,2-Dichloroethene
Concen: 0.502 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion: 96 Resp: 2925
Ion Ratio Lower Upper
96 100
61 145.0 96.2 178.6
98 67.1 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.494 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

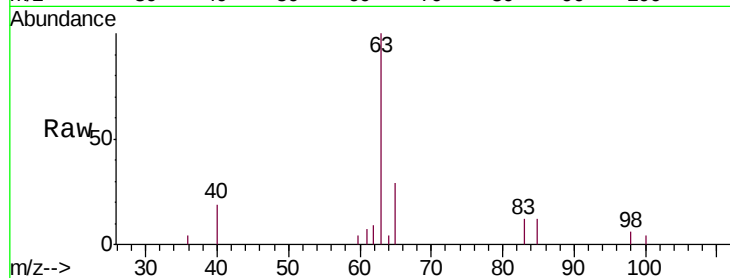
Tgt Ion: 63 Resp: 5359

Ion Ratio Lower Upper

63 100

65 29.3 21.3 39.6

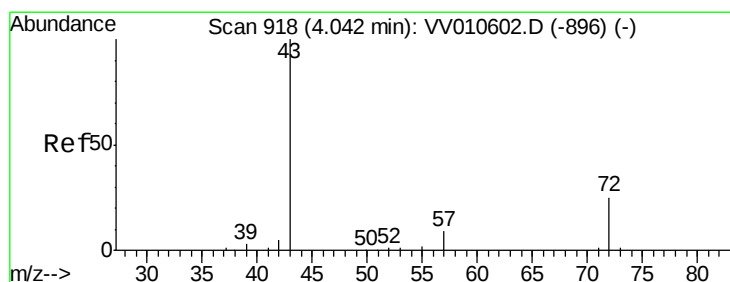
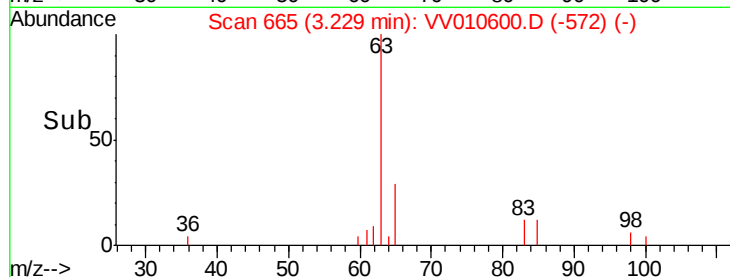
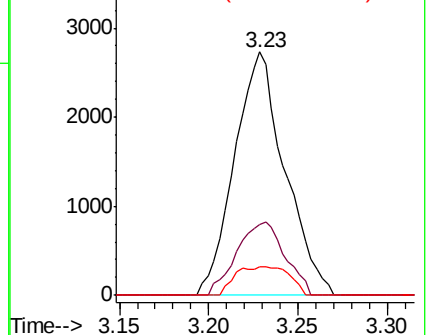
83 11.7 9.0 16.6



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: 3.193 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.01 min

Lab File: VV010600.D

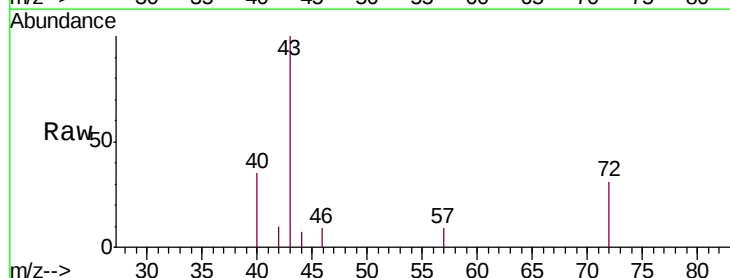
Acq: 01 May 2019 11:52

Tgt Ion: 43 Resp: 3996

Ion Ratio Lower Upper

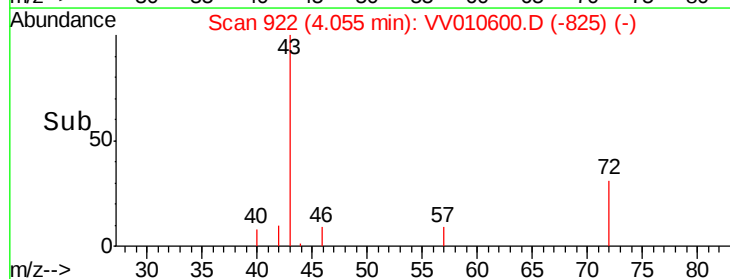
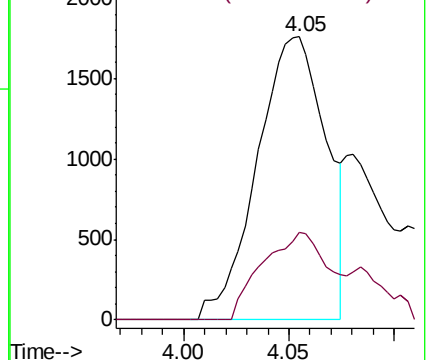
43 100

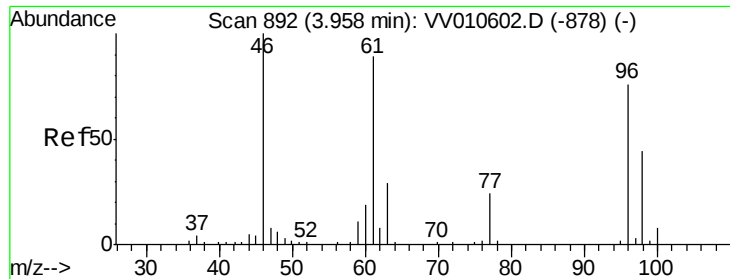
72 30.1 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



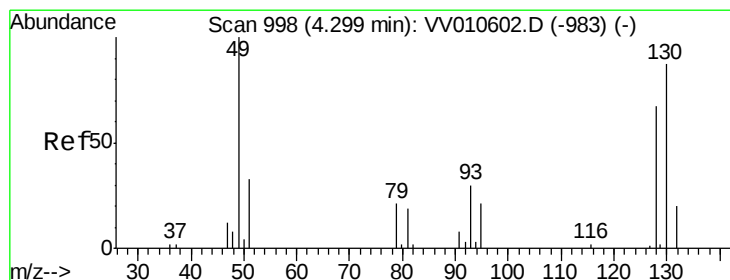
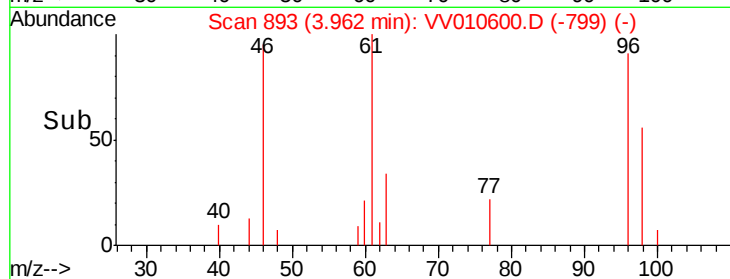
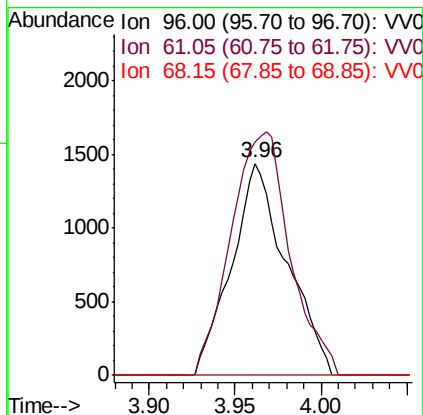
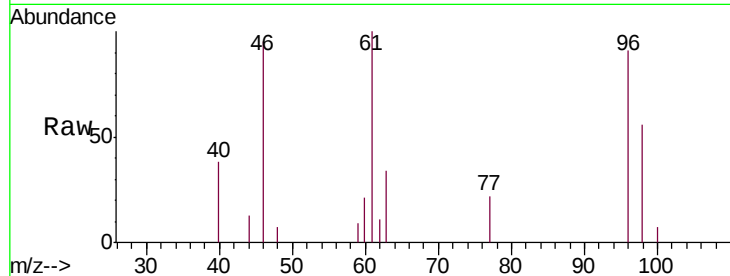


#22

cis-1,2-Dichloroethene
 Concen: 0.499 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

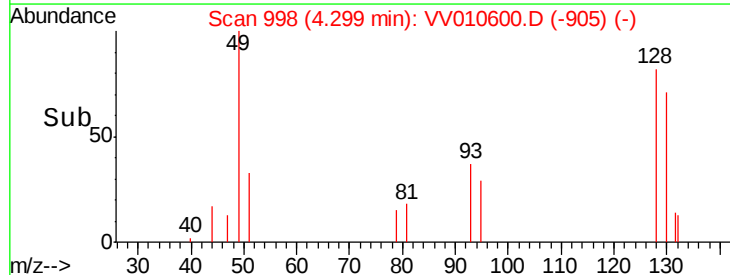
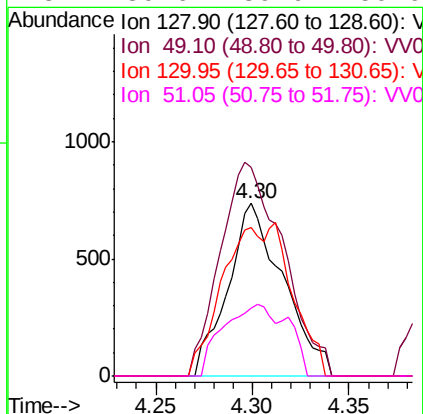
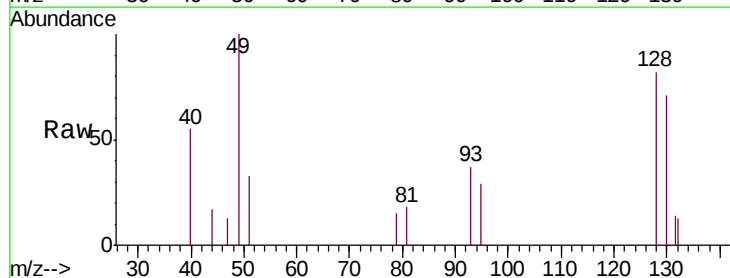
Tgt Ion: 96 Resp: 3219
 Ion Ratio Lower Upper
 96 100
 61 110.1 82.3 152.9
 68 0.0 0.0 0.0

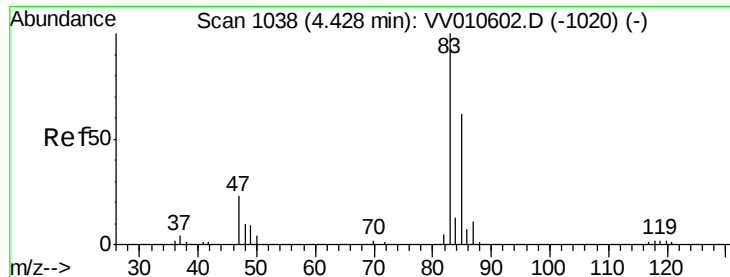


#23

Bromochloromethane
 Concen: 0.563 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 128 Resp: 1463
 Ion Ratio Lower Upper
 128 100
 49 121.4 104.4 193.8
 130 86.0 90.4 167.8#
 51 39.6 39.9 59.9#

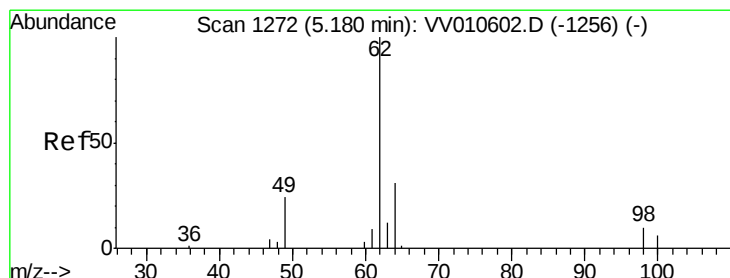
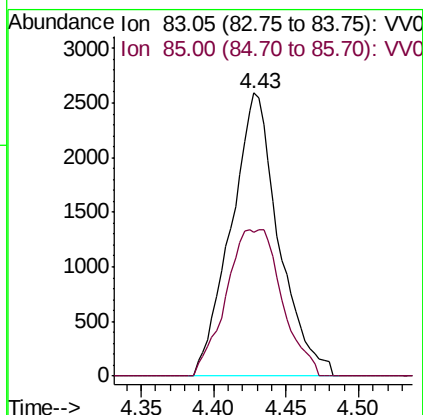
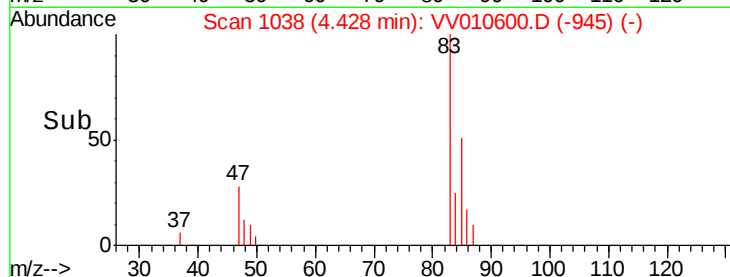
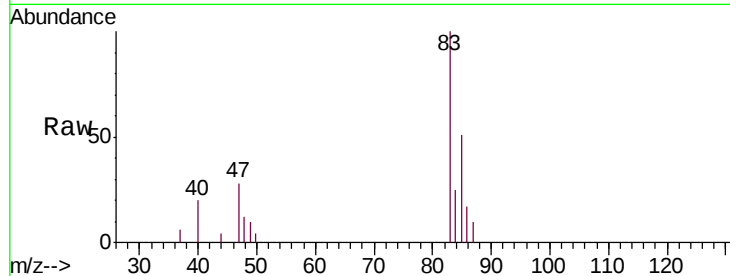




#25
Chloroform
Concen: 0.510 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

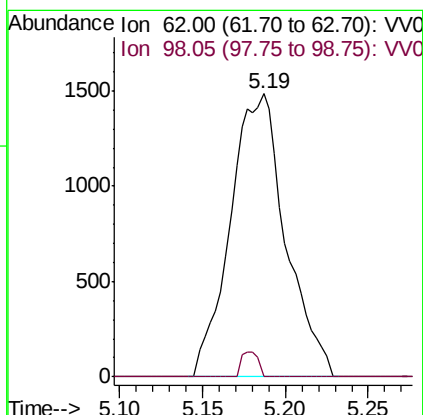
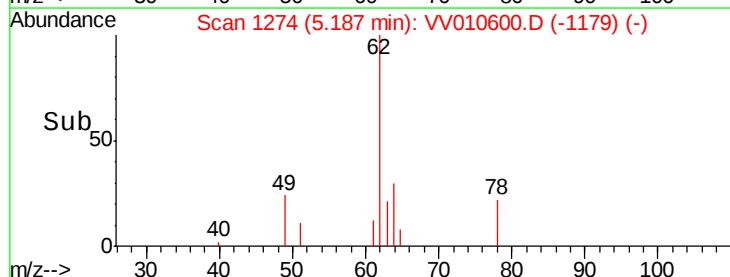
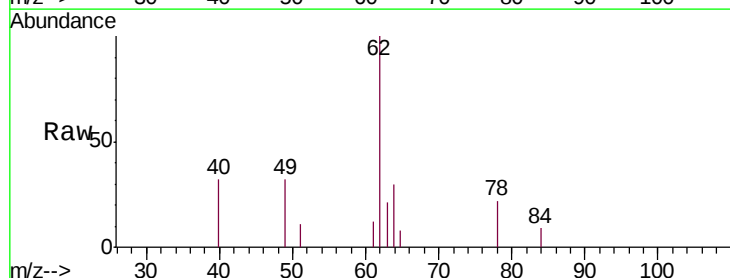
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

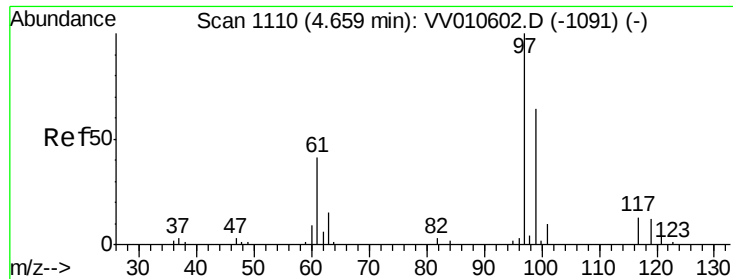
Tgt Ion: 83 Resp: 5922
Ion Ratio Lower Upper
83 100
85 50.9 43.7 81.1



#27
1,2-Dichloroethane
Concen: 0.527 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion: 62 Resp: 3440
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#

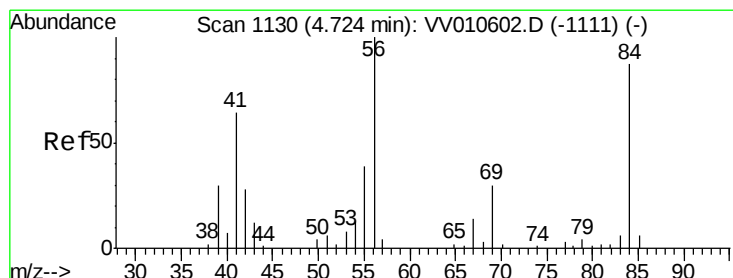
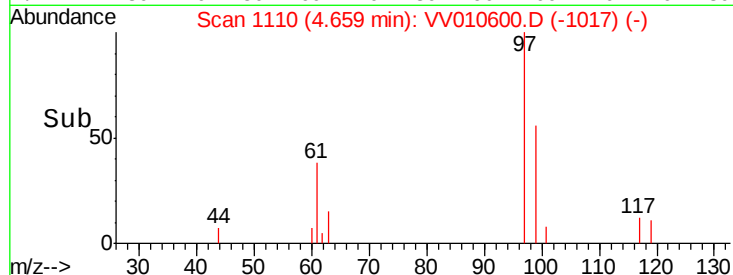
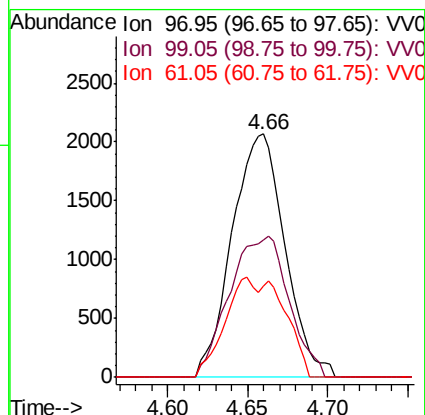
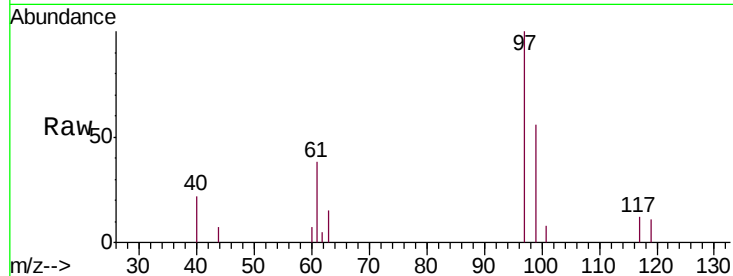




#29
1,1,1-Trichloroethane
Concen: 0.480 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

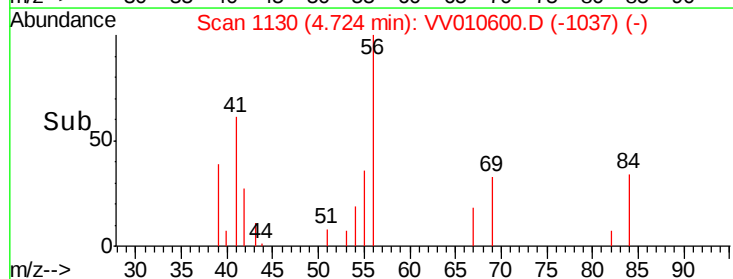
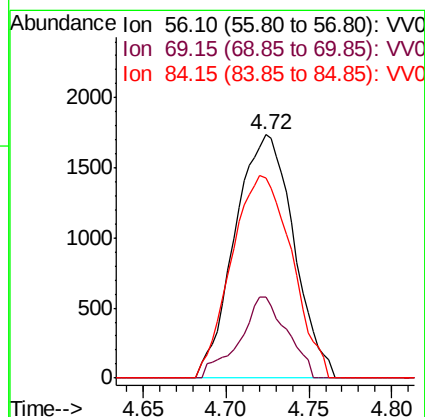
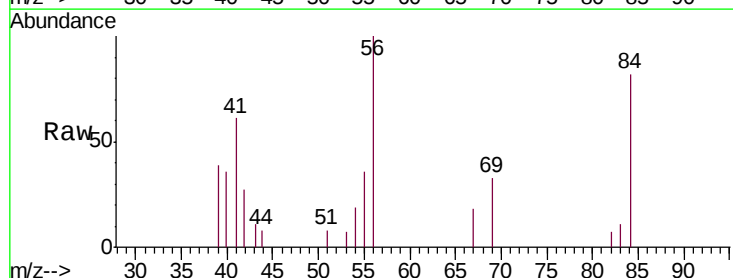
Instrument :
MSVOA_V
ClientSampled :
VSTD0.536

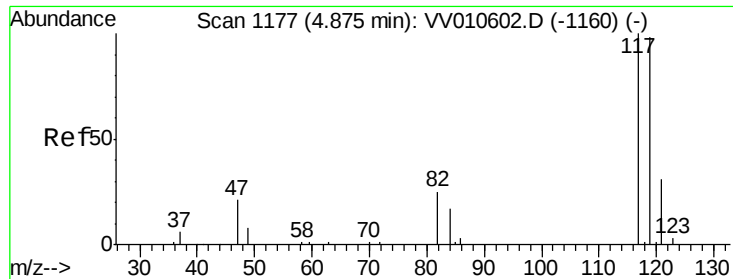
Tgt Ion: 97 Resp: 4681
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 25.2 34.6 52.0#



#30
Cyclohexane
Concen: 0.476 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion: 56 Resp: 4285
Ion Ratio Lower Upper
56 100
69 27.0 24.7 37.1
84 85.3 71.4 107.2





#31

Carbon tetrachloride

Concen: 0.451 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

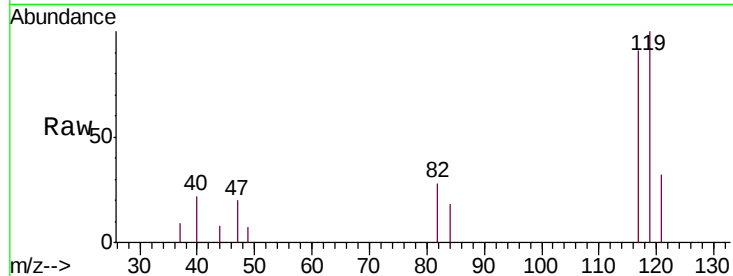
VSTD0.536

Tgt Ion:117 Resp: 4026

Ion Ratio Lower Upper

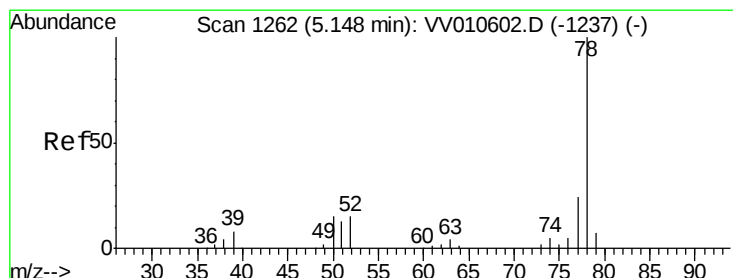
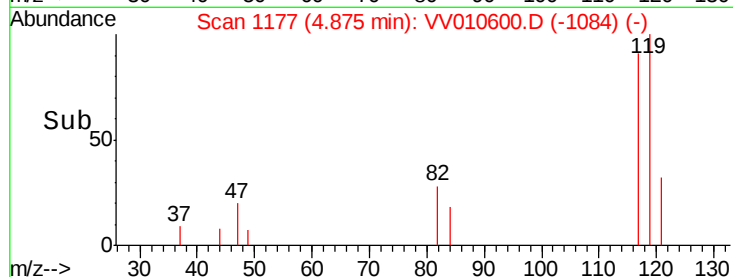
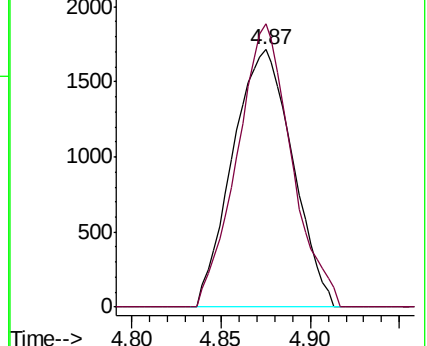
117 100

119 99.6 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: 0.481 ug/L

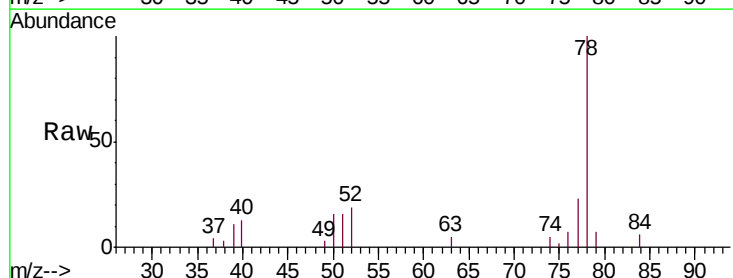
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

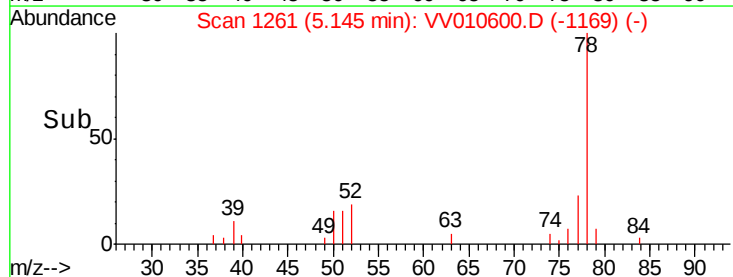
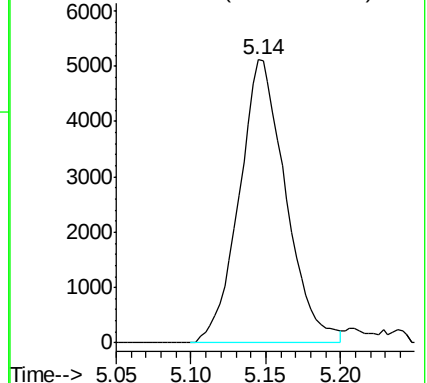
Lab File: VV010600.D

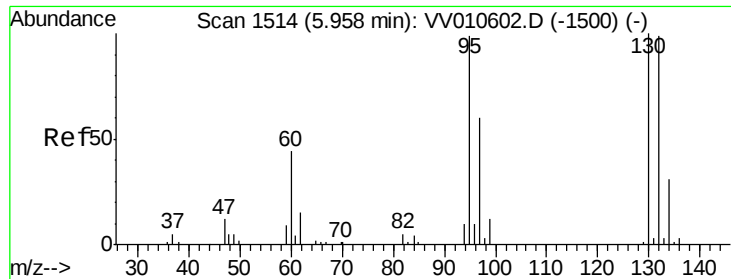
Acq: 01 May 2019 11:52

Tgt Ion: 78 Resp: 11088



Abundance Ion 78.10 (77.80 to 78.80): VV0

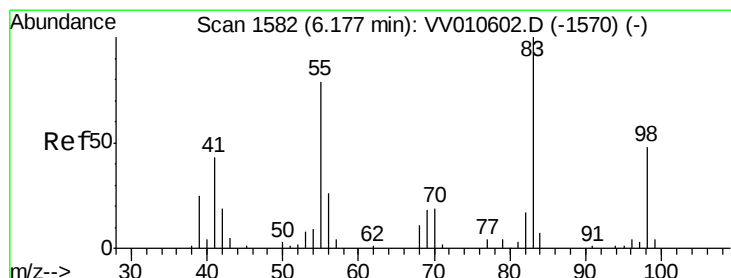
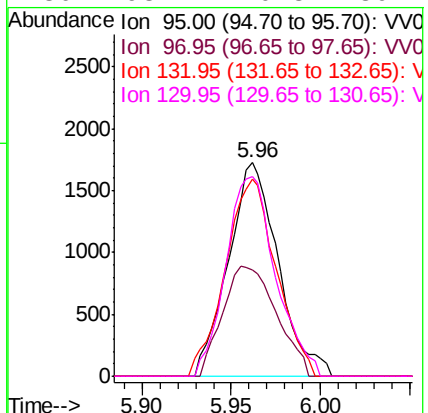
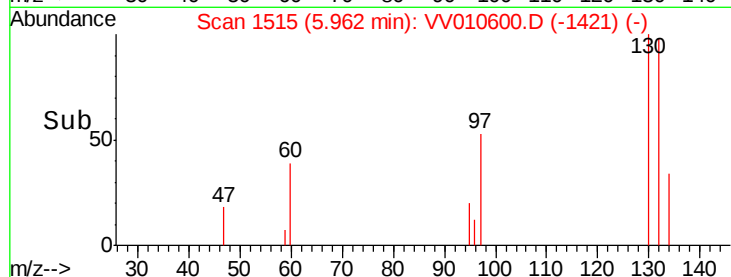
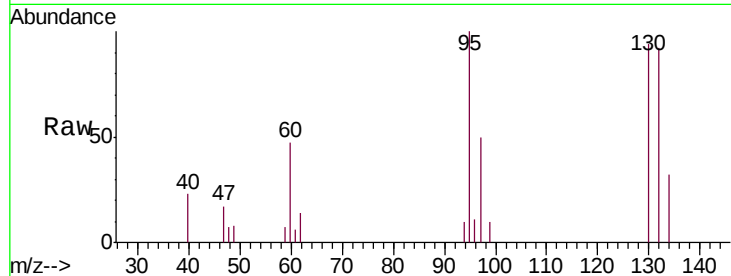




#34
 Trichloroethene
 Concen: 0.502 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

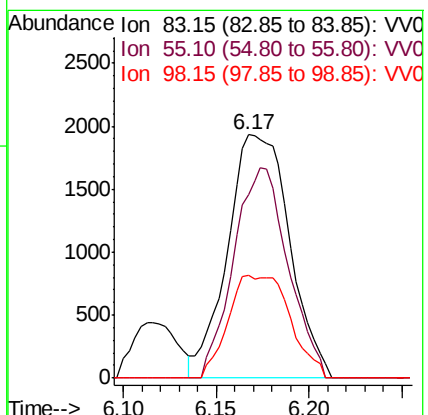
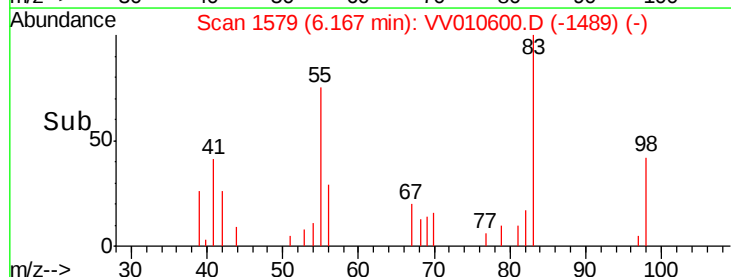
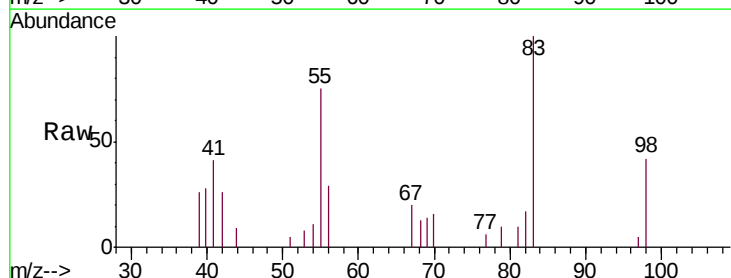
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

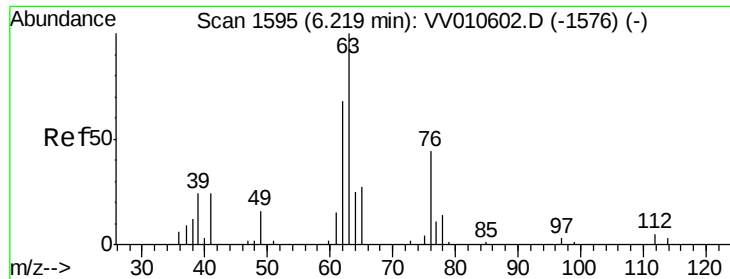
Tgt Ion: 95 Resp: 3355
 Ion Ratio Lower Upper
 95 100
 97 49.9 42.4 78.6
 132 92.1 69.3 128.7
 130 93.7 70.3 130.7



#35
 Methylcyclohexane
 Concen: 0.481 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 83 Resp: 4492
 Ion Ratio Lower Upper
 83 100
 55 75.7 63.4 95.0
 98 41.8 38.7 58.1

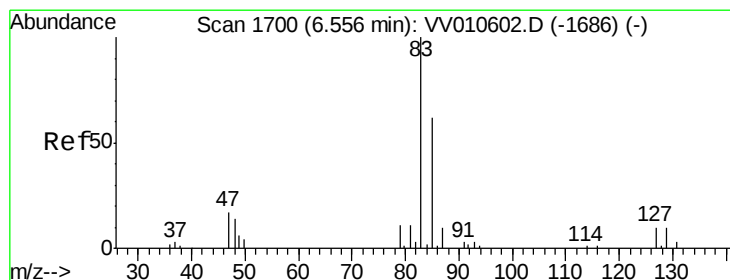
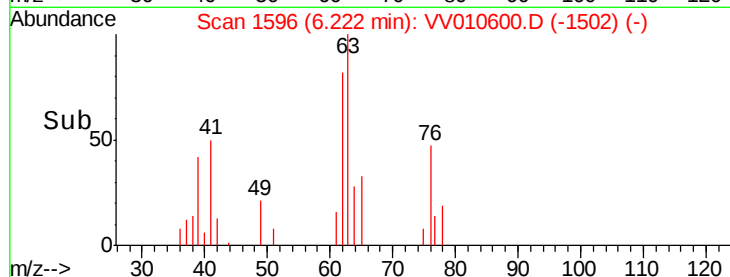
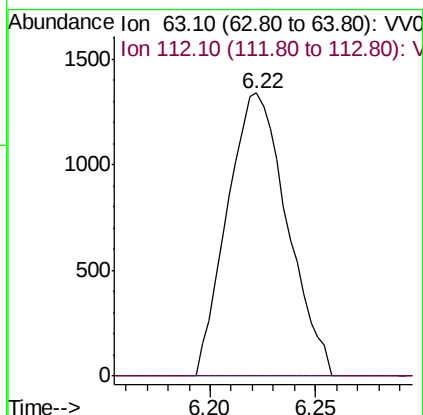
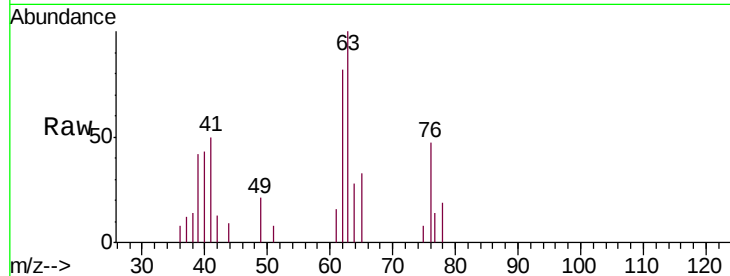




#37
 1,2-Dichloropropane
 Concen: 0.458 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

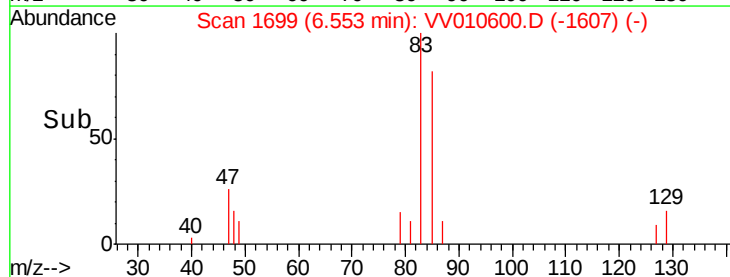
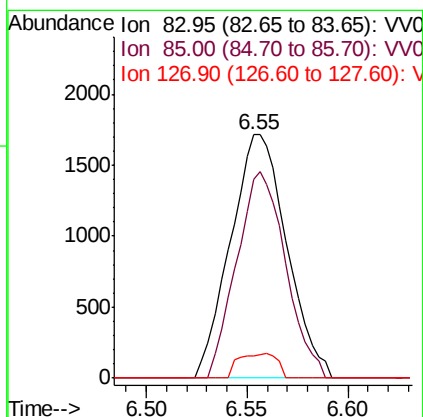
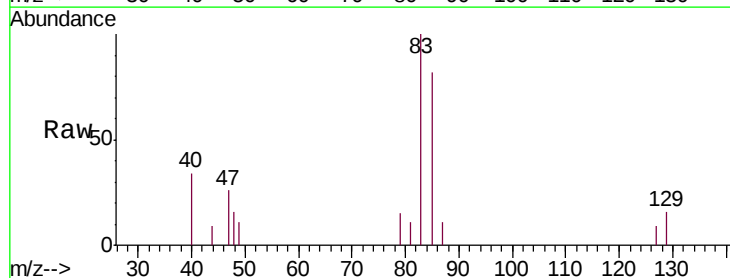
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

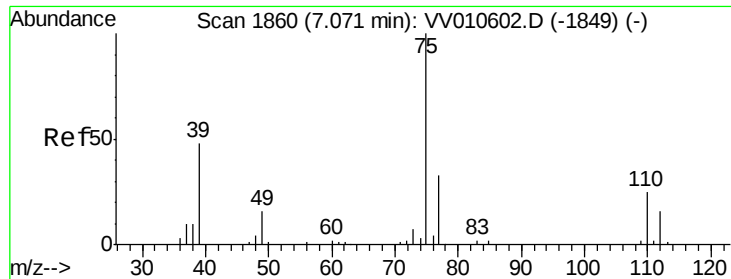
Tgt Ion: 63 Resp: 2642
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.450 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 83 Resp: 3338
 Ion Ratio Lower Upper
 83 100
 85 81.9 43.3 80.3#
 127 9.0 7.8 11.6

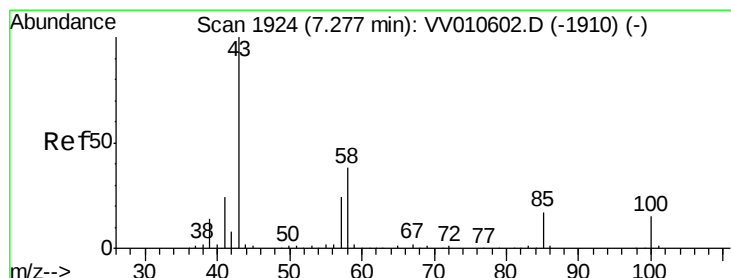
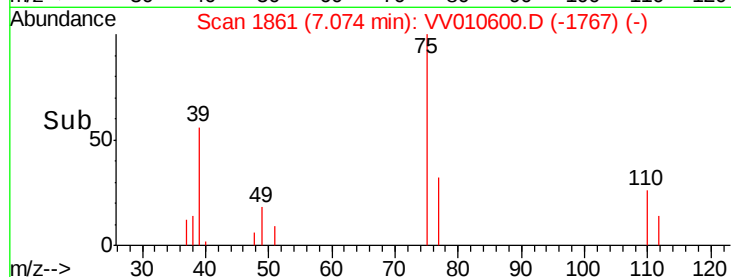
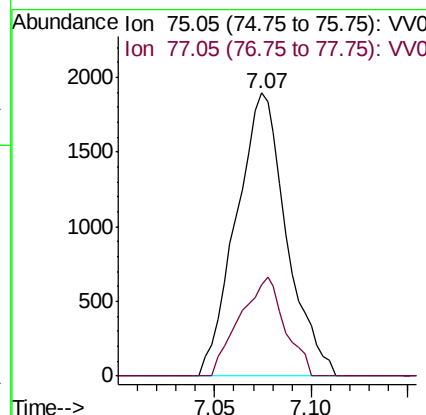
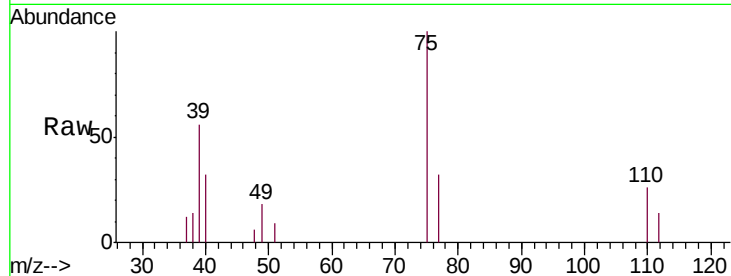




#39
 cis-1,3-Dichloropropene
 Concen: 0.435 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

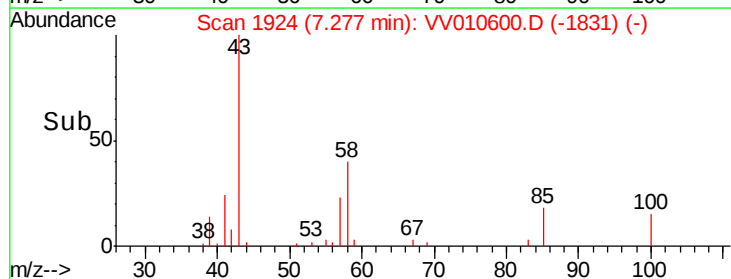
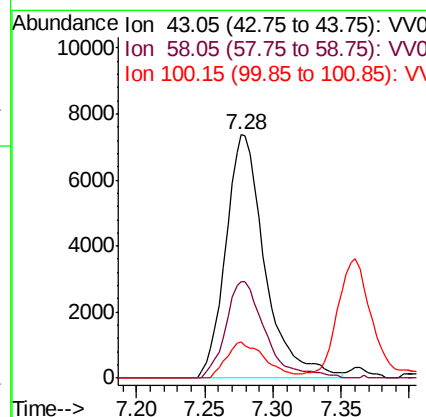
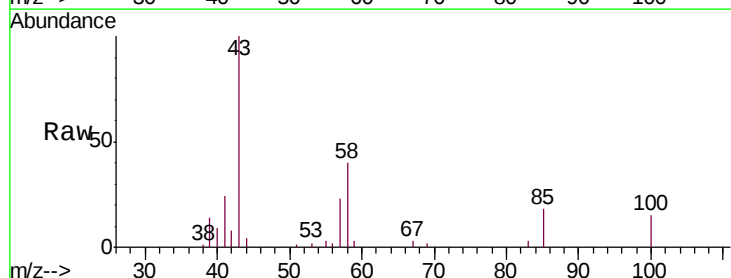
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

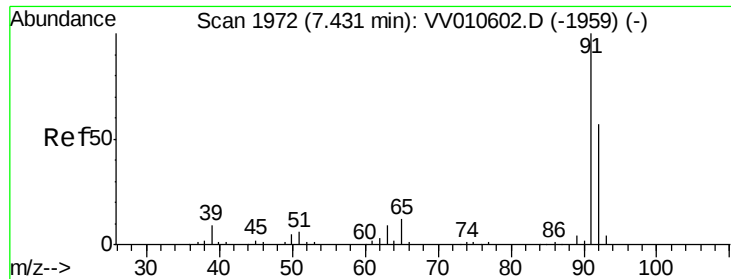
Tgt Ion: 75 Resp: 3432
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 4.775 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 43 Resp: 14739
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.5 45.7
 100 14.8 10.8 16.2





#42

Toluene

Concen: 0.461 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

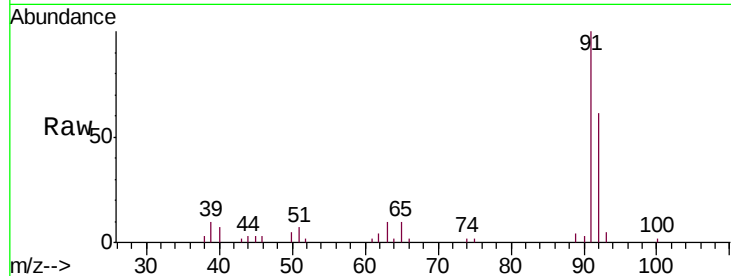
VSTD0.536

Tgt Ion: 91 Resp: 11907

Ion Ratio Lower Upper

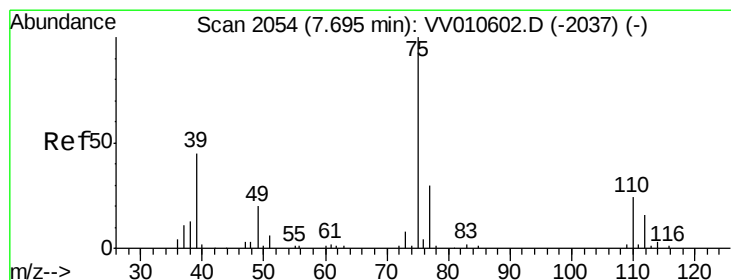
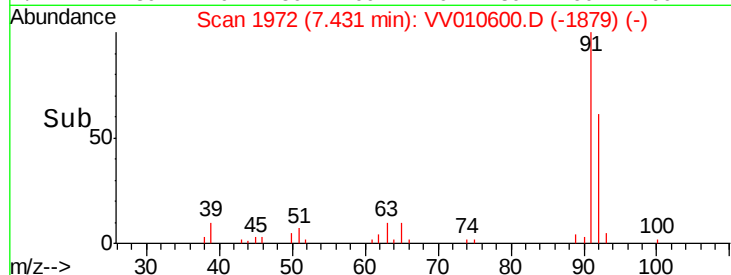
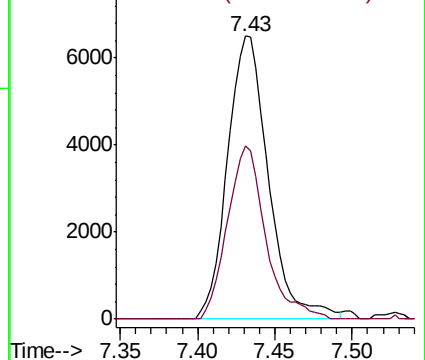
91 100

92 61.2 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: 0.469 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV010600.D

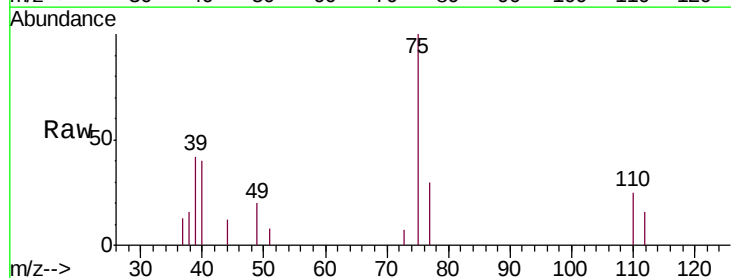
Acq: 01 May 2019 11:52

Tgt Ion: 75 Resp: 2817

Ion Ratio Lower Upper

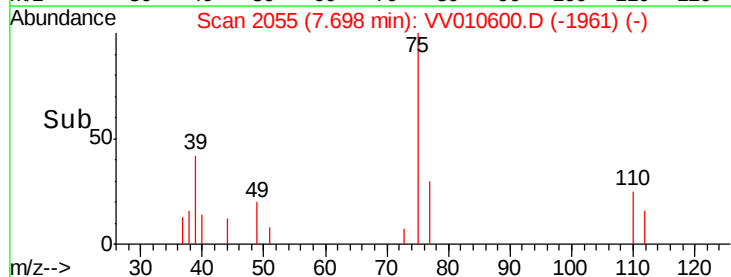
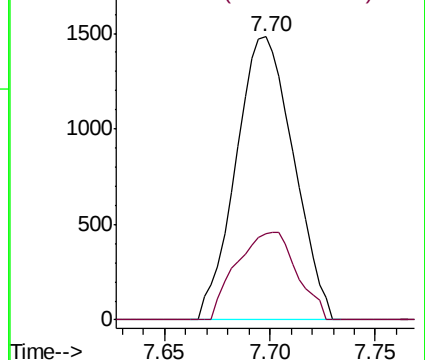
75 100

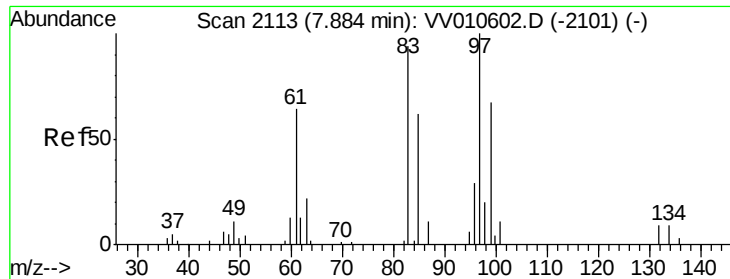
77 30.5 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

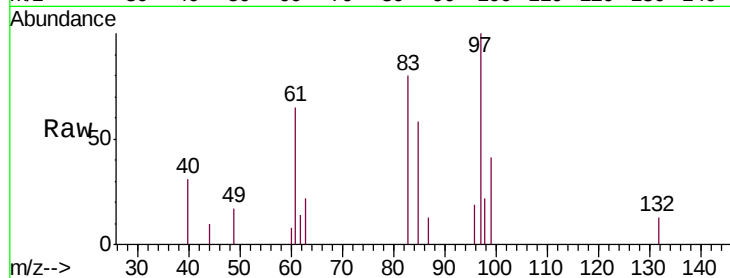




#45
 1,1,2-Trichloroethane
 Concen: 0.548 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:	97	Resp:	2110
Ion	Ratio	Lower	Upper
97	100		
99	40.5	47.1	87.5#
83	79.5	65.9	122.5
85	58.4	43.2	80.2



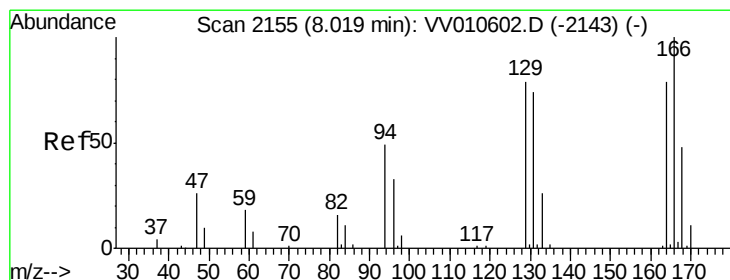
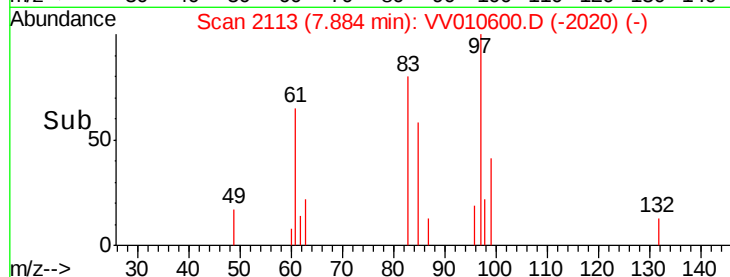
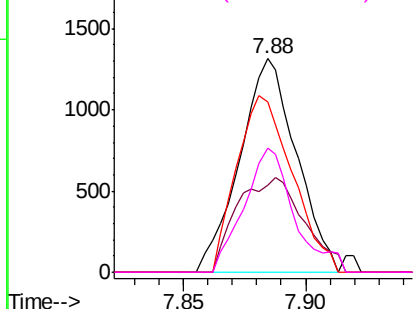
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

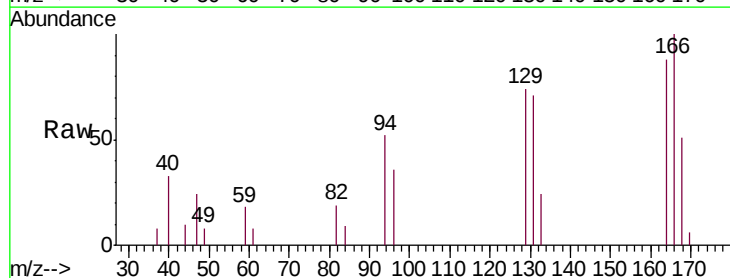
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.507 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion:	164	Resp:	2593
Ion	Ratio	Lower	Upper
164	100		
129	83.7	69.9	129.7
131	80.8	65.6	121.8
166	113.7	88.9	165.1



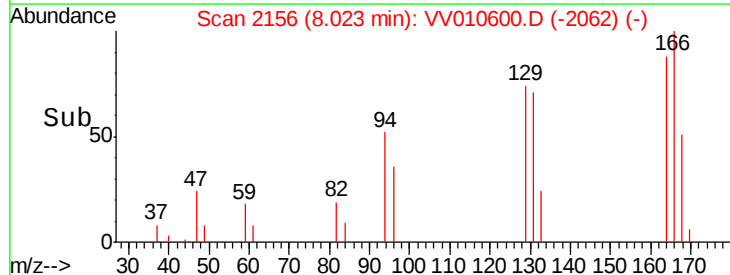
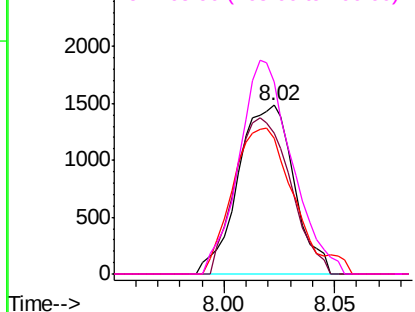
Abundance

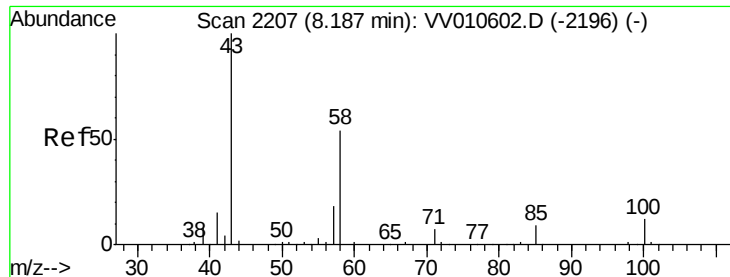
Ion 163.90 (163.60 to 164.60): V

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

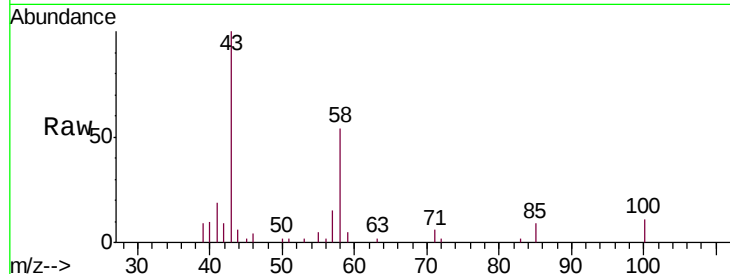




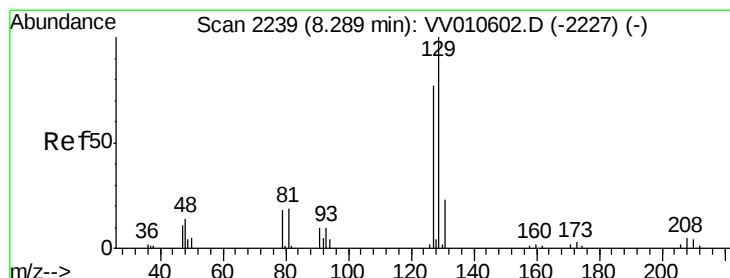
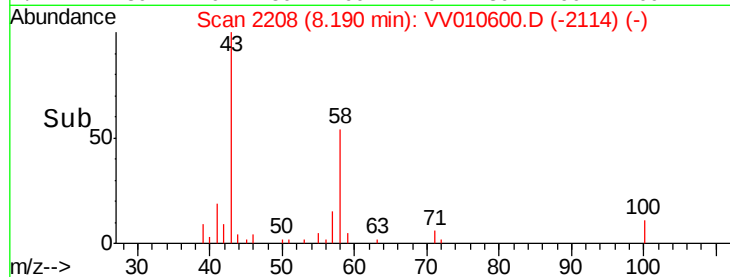
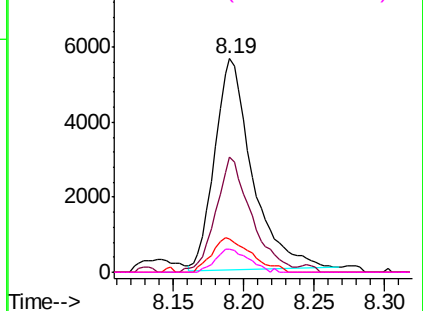
#48
2-Hexanone
Concen: 4.678 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:	43	Resp:	10416
Ion	Ratio	Lower	Upper
43	100		
58	51.6	42.9	64.3
57	17.1	13.9	20.9
100	9.8	9.3	13.9

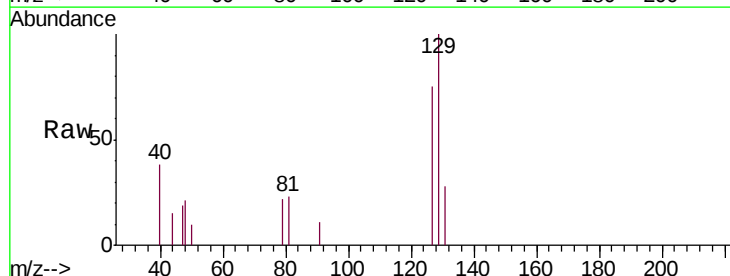


Abundance Ion 43.05 (42.75 to 43.75): VV010600.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV010600.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV010600.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV010600.D (-2196) (-)

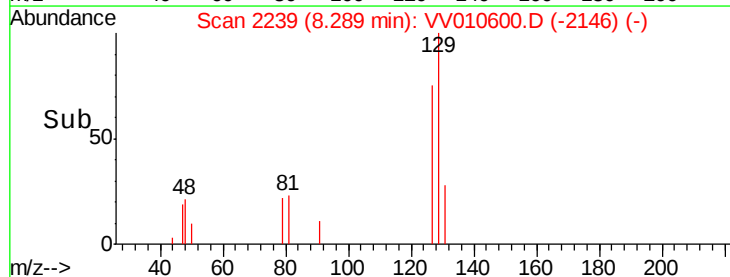
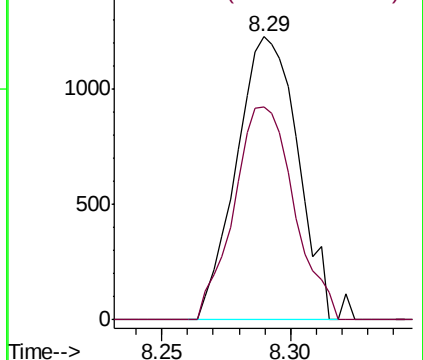


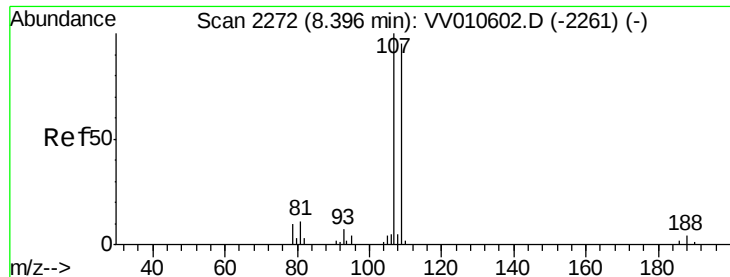
#49
Dibromochloromethane
Concen: 0.429 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion:	129	Resp:	2033
Ion	Ratio	Lower	Upper
129	100		
127	75.4	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV010600.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV010600.D (-2227) (-)

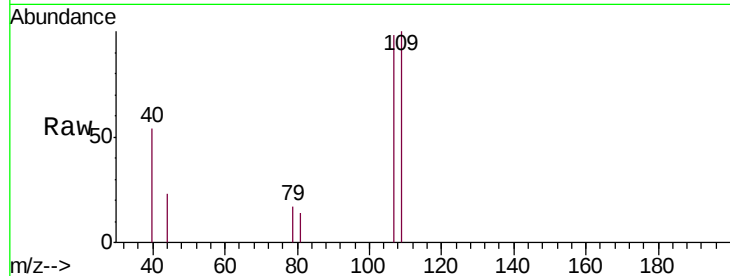




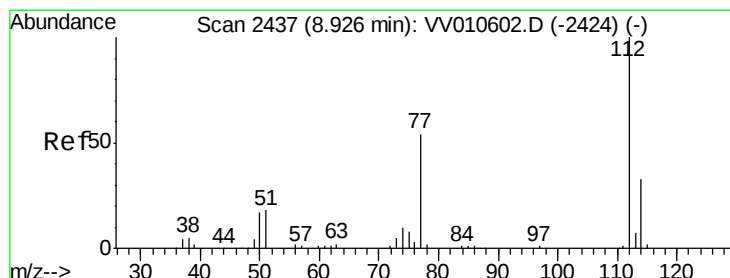
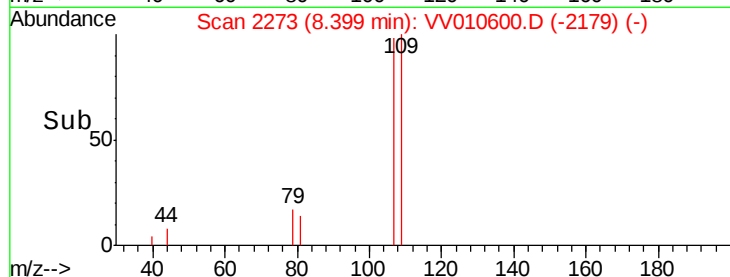
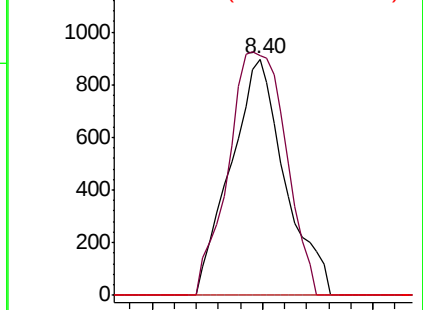
#50
1,2-Dibromoethane
Concen: 0.416 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:107 Resp: 1533
Ion Ratio Lower Upper
107 100
109 101.8 66.3 123.1
188 0.0 3.3 4.9#

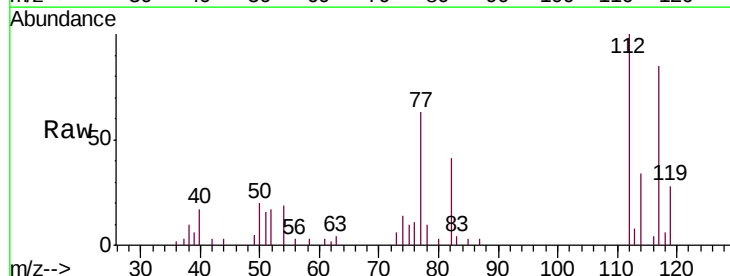


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

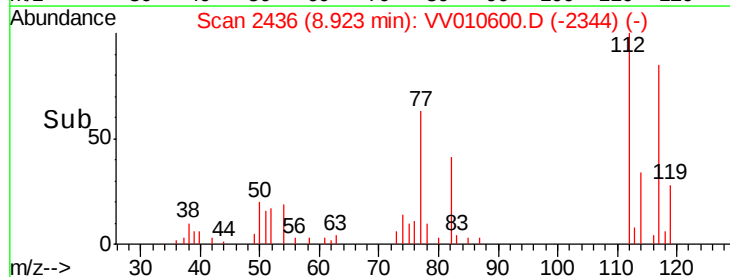
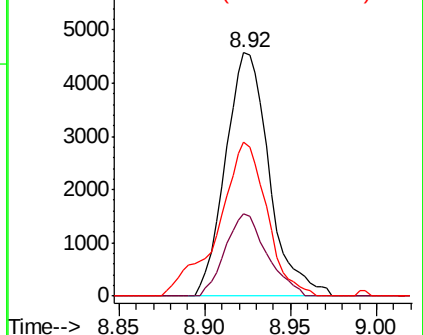


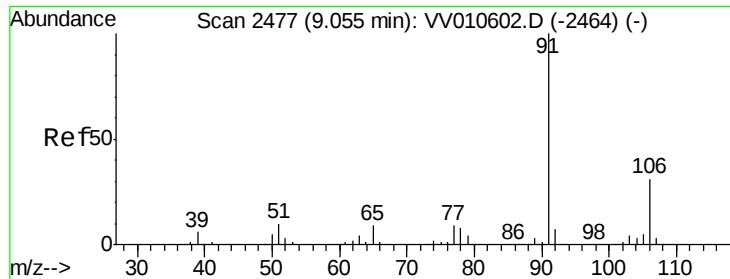
#51
Chlorobenzene
Concen: 0.477 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion:112 Resp: 8085
Ion Ratio Lower Upper
112 100
114 33.7 23.3 43.3
77 63.0 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): VV0





#52

Ethylbenzene

Concen: 0.435 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

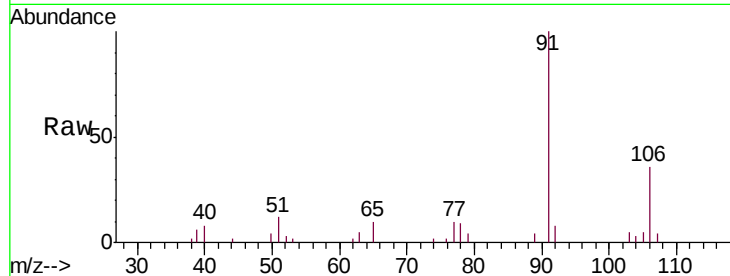
VSTD0.536

Tgt Ion: 91 Resp: 12139

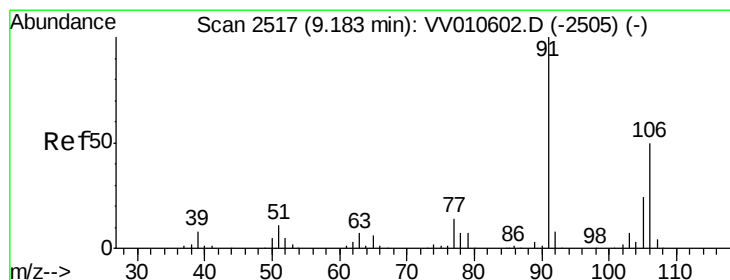
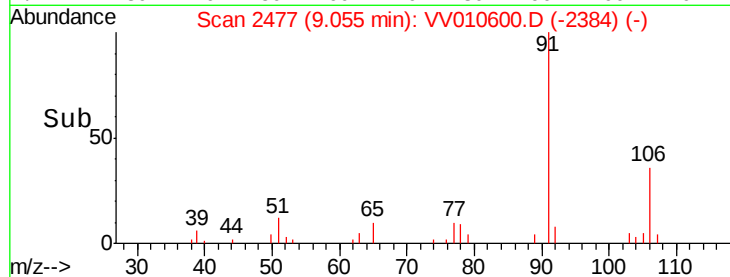
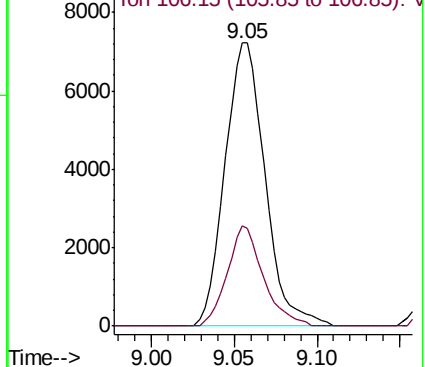
Ion Ratio Lower Upper

91 100

106 35.6 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV010600.D (-2384) (-)



#53

m,p-xylene

Concen: 0.381 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010600.D

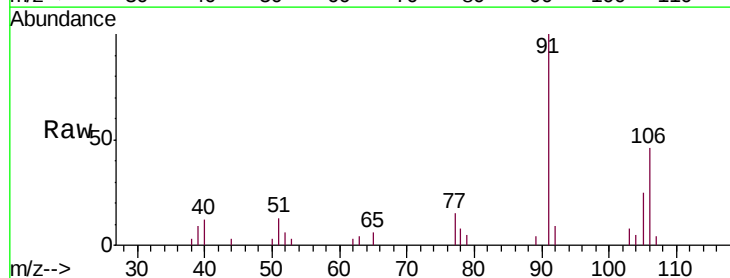
Acq: 01 May 2019 11:52

Tgt Ion: 106 Resp: 4043

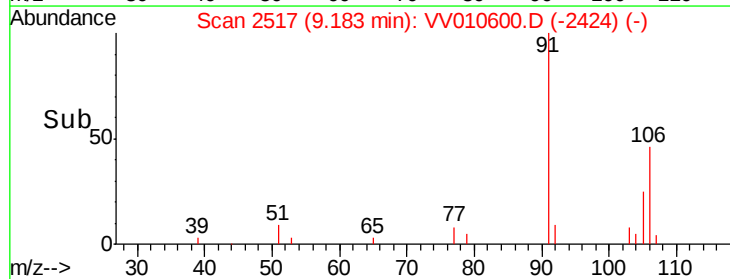
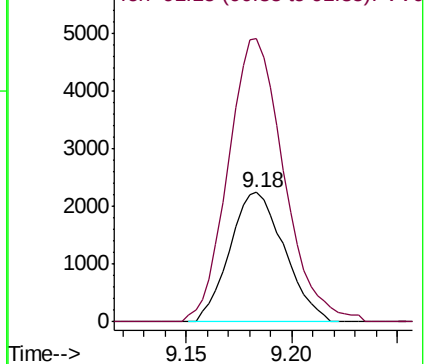
Ion Ratio Lower Upper

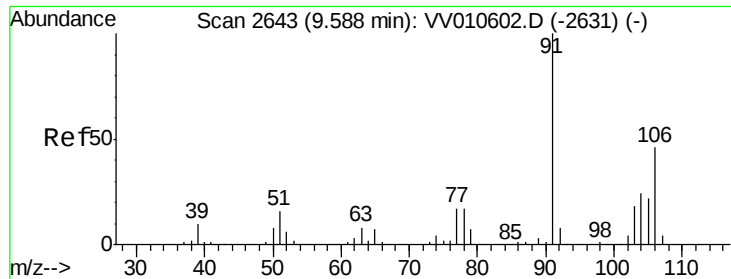
106 100

91 219.1 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV010600.D (-2424) (-)

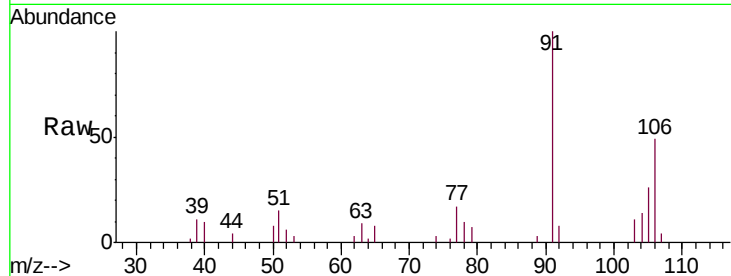




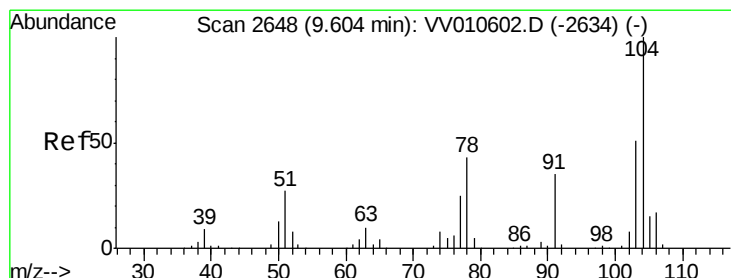
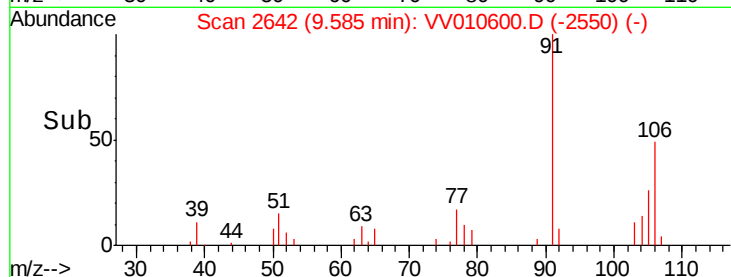
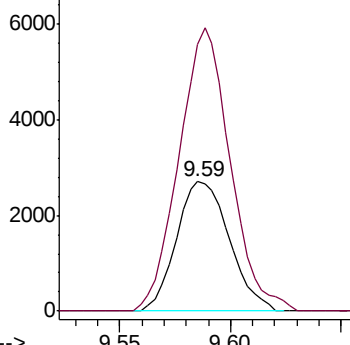
#54
o-xylene
Concen: 0.431 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:106 Resp: 4506
Ion Ratio Lower Upper
106 100
91 205.7 151.9 282.1

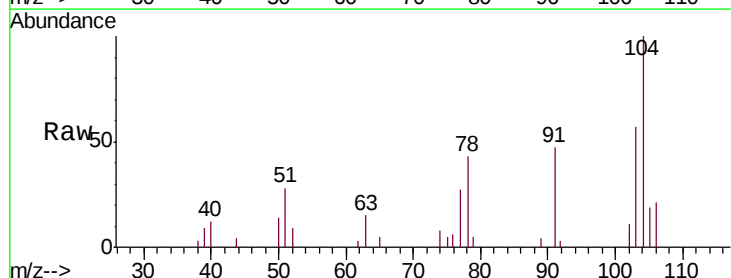


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

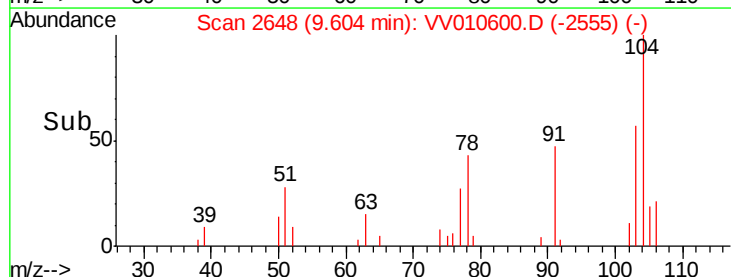
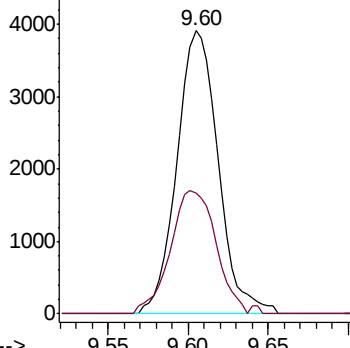


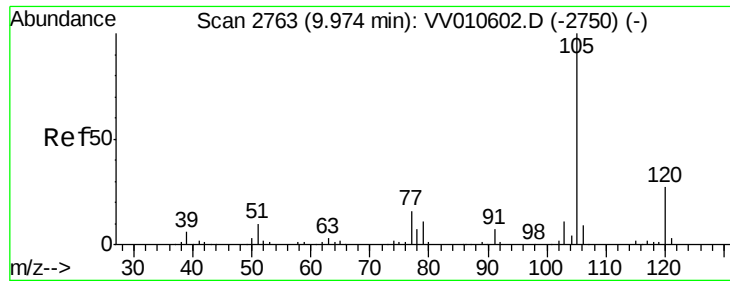
#55
Styrene
Concen: 0.402 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010600.D
Acq: 01 May 2019 11:52

Tgt Ion:104 Resp: 6886
Ion Ratio Lower Upper
104 100
78 42.9 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: 0.412 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

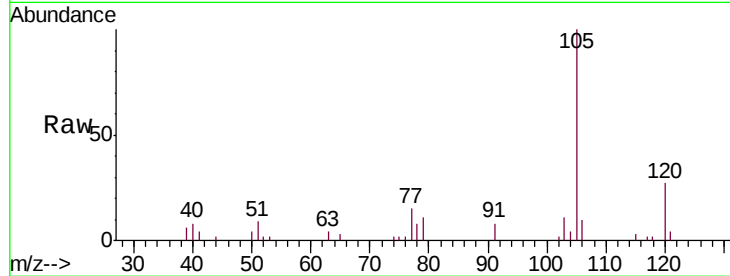
Tgt Ion: 105 Resp: 11079

Ion Ratio Lower Upper

105 100

120 28.0 22.0 33.0

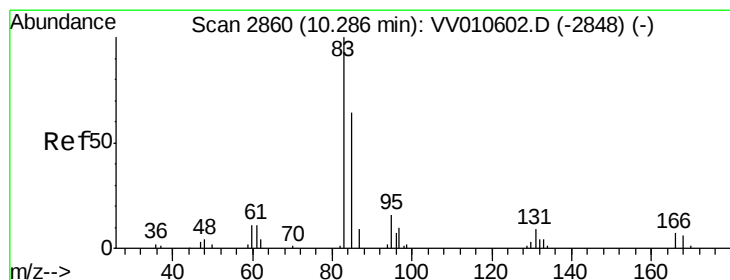
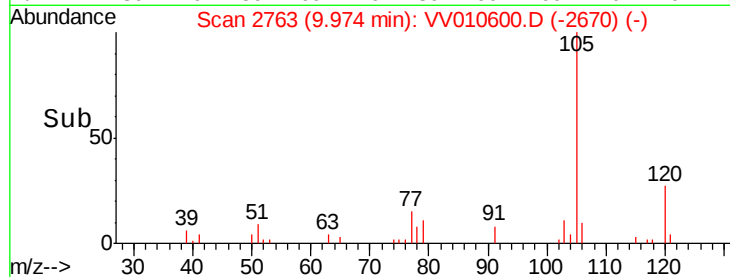
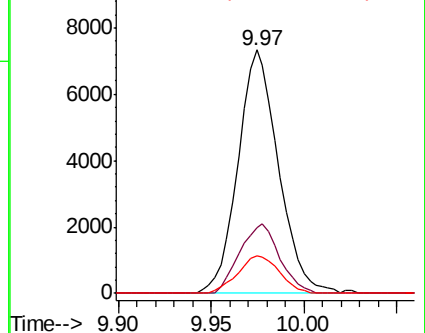
77 15.9 12.9 19.3



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: 0.470 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

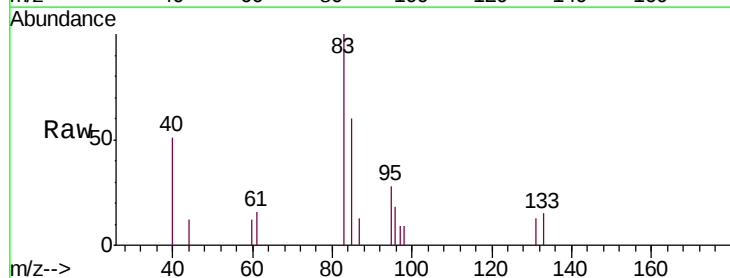
Tgt Ion: 83 Resp: 2239

Ion Ratio Lower Upper

83 100

85 59.9 44.7 83.1

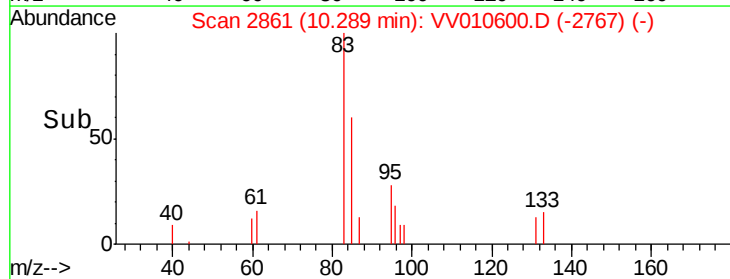
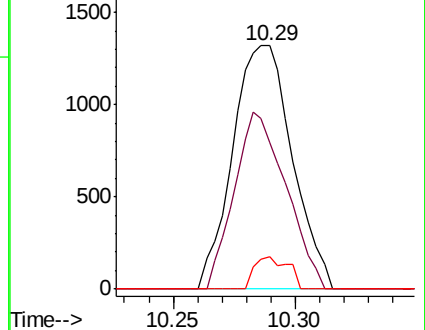
131 13.5 8.1 12.1#

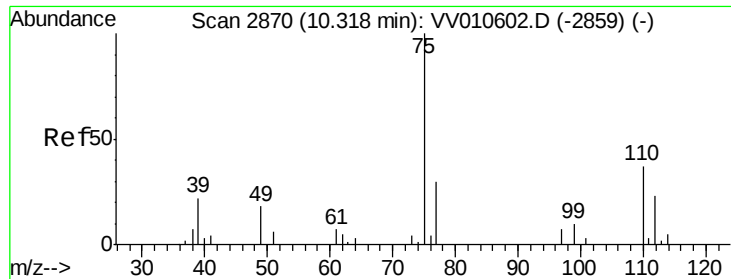


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

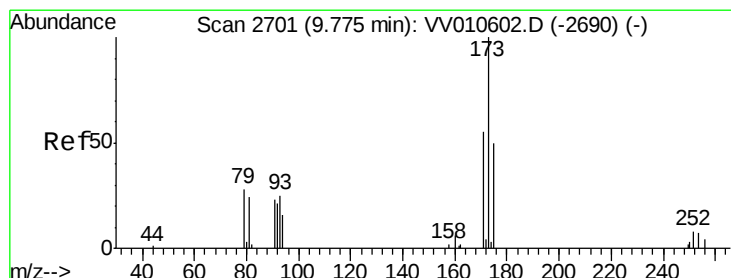
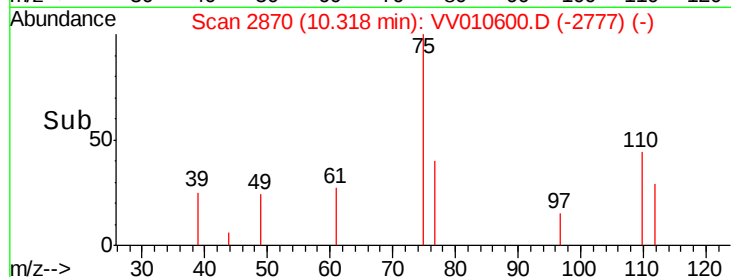
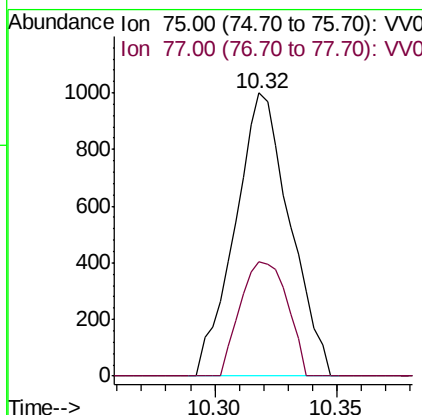
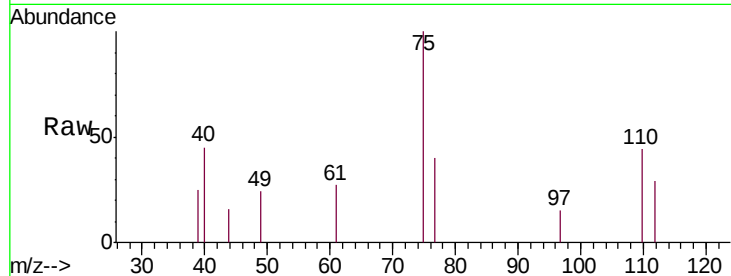




#59
 1,2,3-Trichloropropane
 Concen: 0.453 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

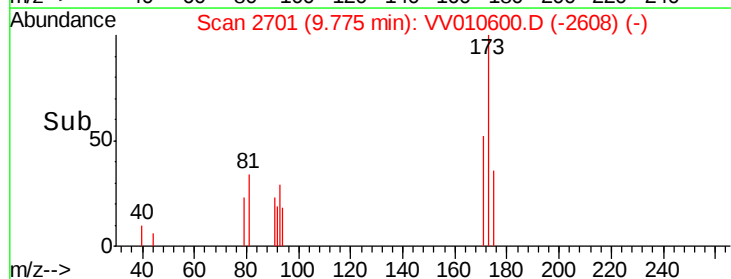
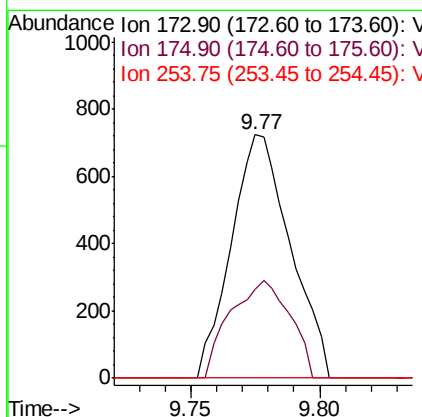
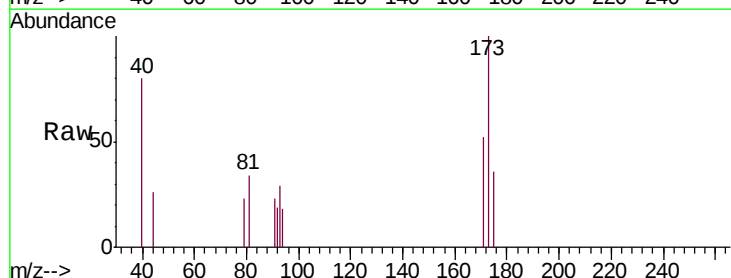
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.536

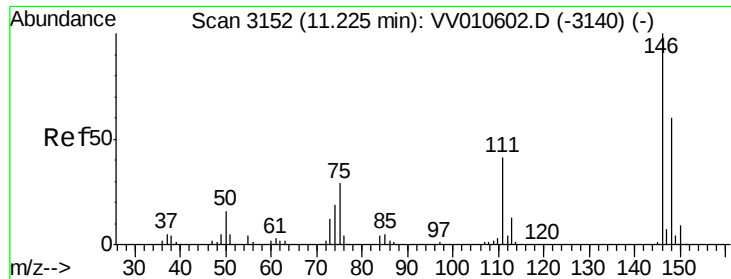
Tgt Ion: 75 Resp: 1556
 Ion Ratio Lower Upper
 75 100
 77 34.8 24.8 37.2



#61
 Bromoform
 Concen: 0.537 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 173 Resp: 1154
 Ion Ratio Lower Upper
 173 100
 175 40.5 36.7 55.1
 254 0.0 5.9 8.9#

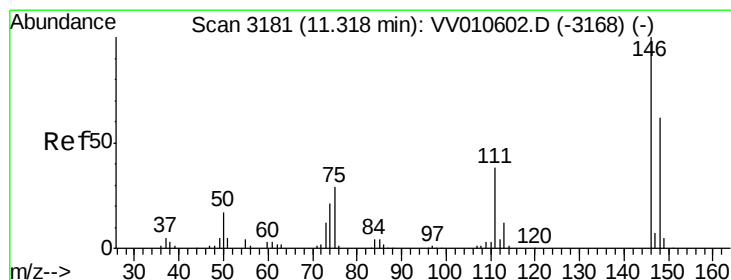
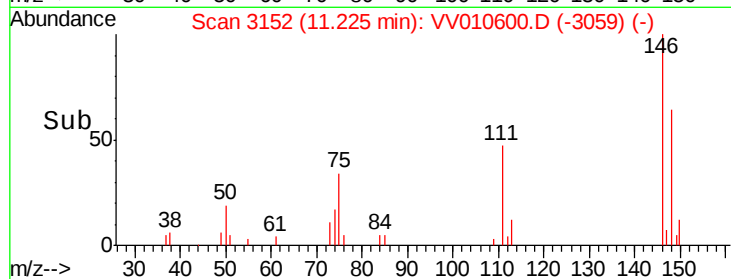
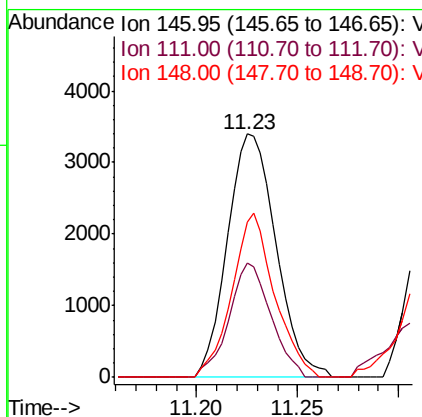
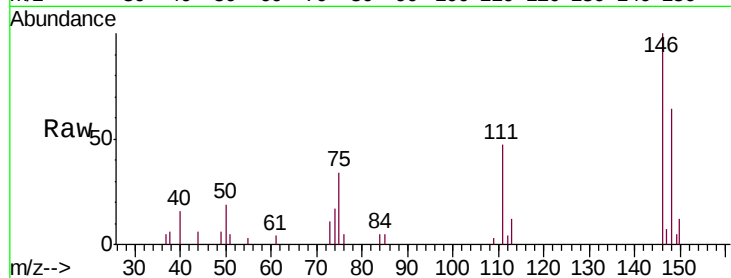




#62
 1,3-Dichlorobenzene
 Concen: 0.491 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

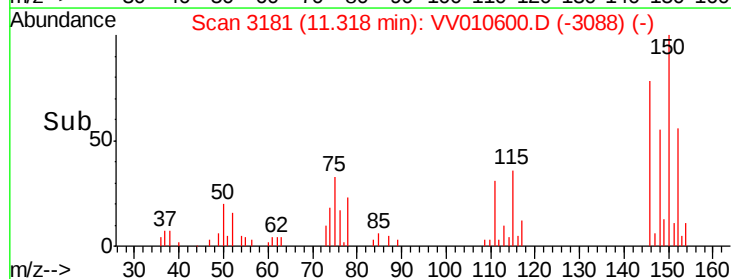
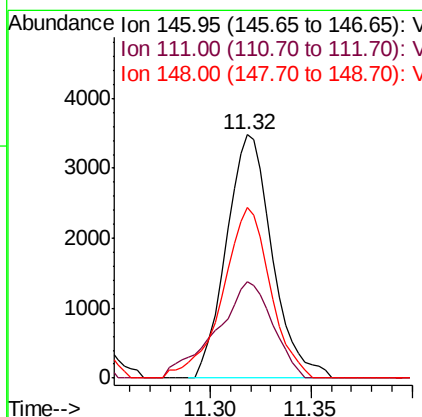
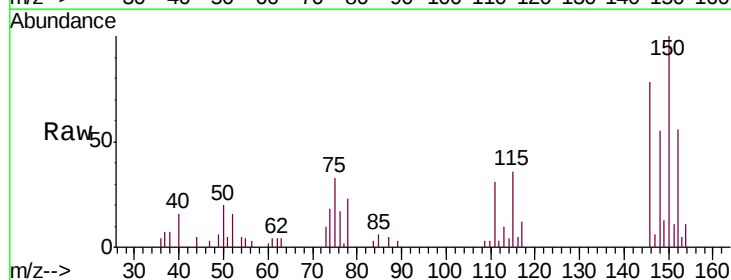
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

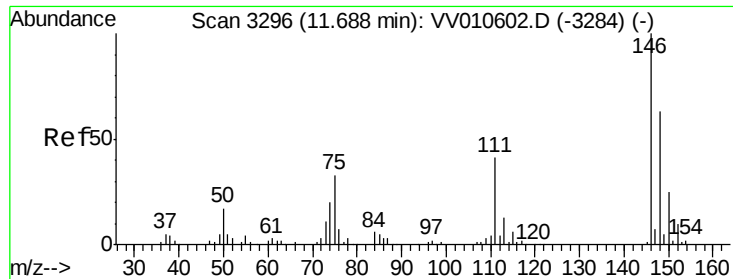
Tgt Ion:146 Resp: 5723
 Ion Ratio Lower Upper
 146 100
 111 47.0 28.8 53.6
 148 63.7 42.3 78.5



#63
 1,4-Dichlorobenzene
 Concen: 0.469 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion:146 Resp: 5518
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 69.9 43.2 80.2

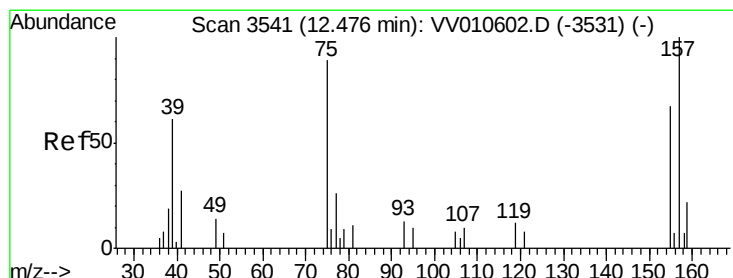
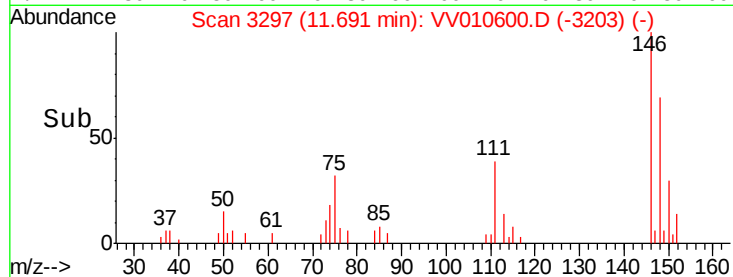
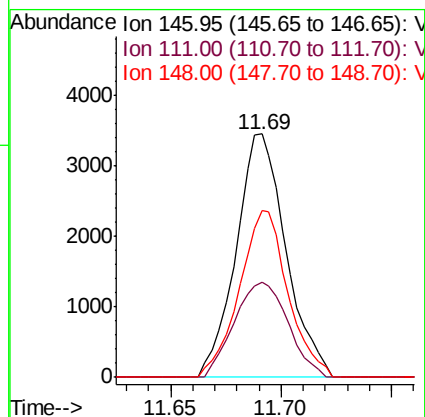
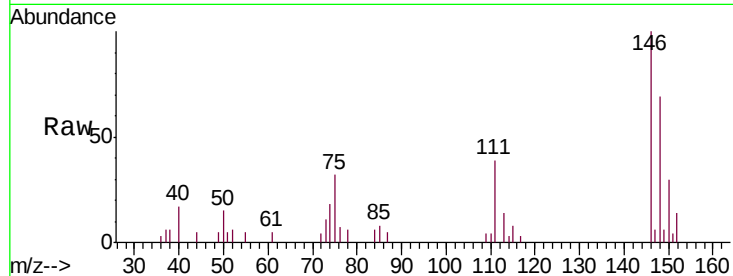




#65
 1,2-Dichlorobenzene
 Concen: 0.493 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

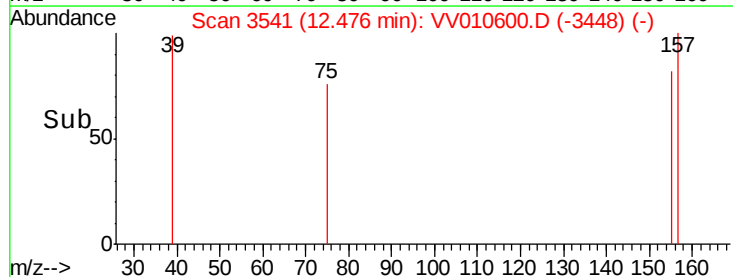
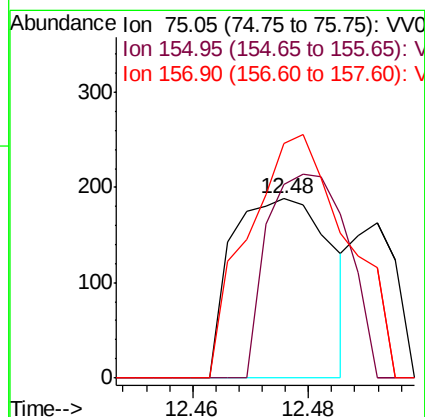
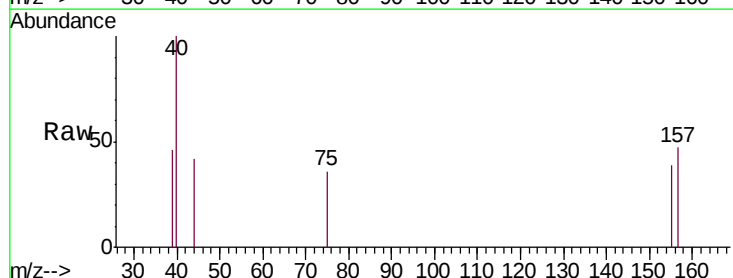
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

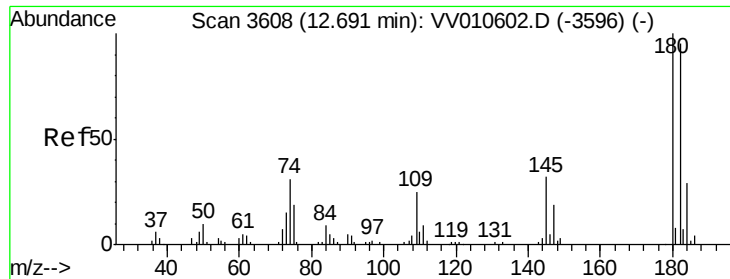
Tgt Ion: 146 Resp: 5423
 Ion Ratio Lower Upper
 146 100
 111 38.8 32.7 49.1
 148 68.7 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.328 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion: 75 Resp: 222
 Ion Ratio Lower Upper
 75 100
 155 108.0 60.8 91.2#
 157 131.4 90.2 135.4

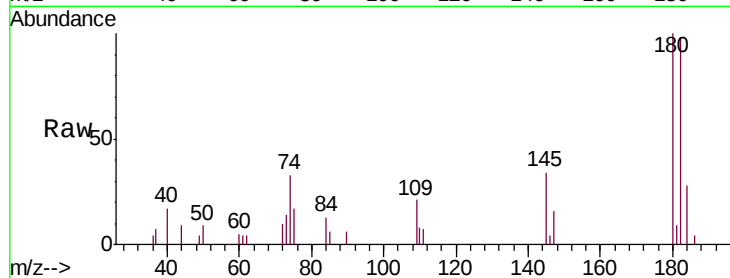




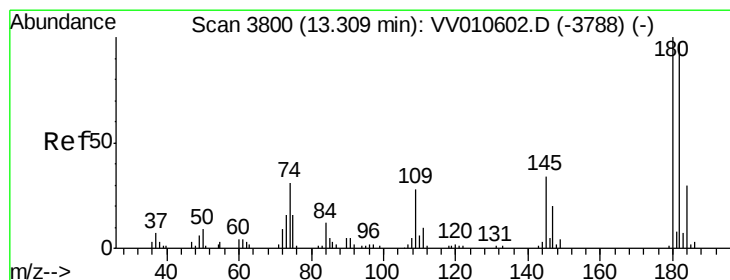
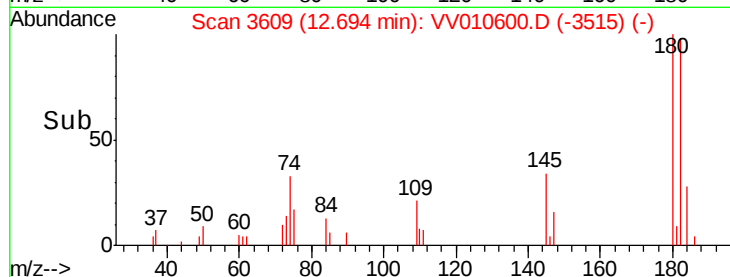
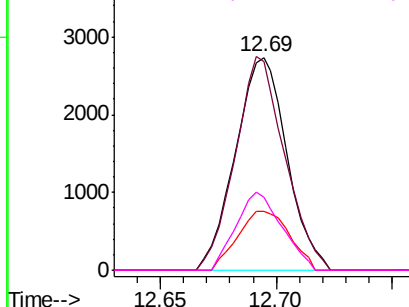
#67
 1,3,5-Trichlorobenzene
 Concen: 0.493 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:180 Resp: 4218
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.0 115.6
 184 28.0 23.4 35.2
 145 32.6 25.5 38.3

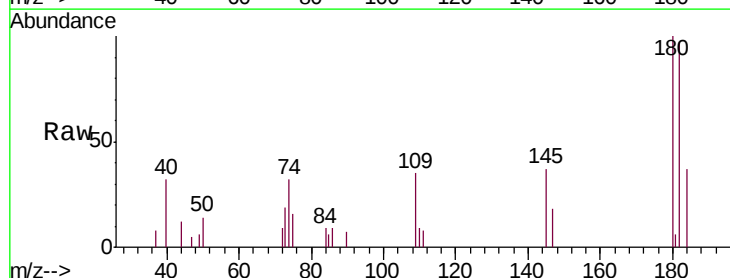


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

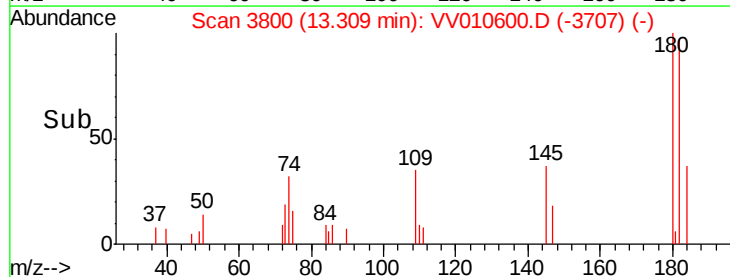
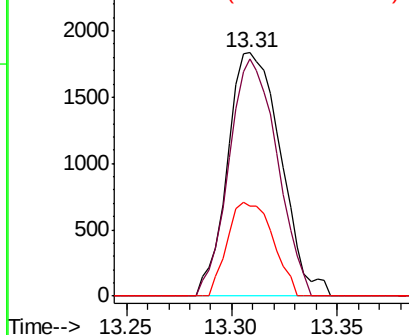


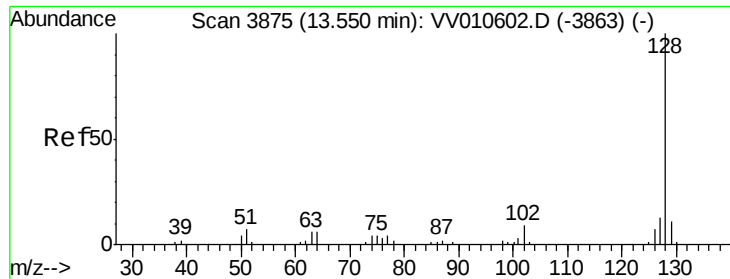
#68
 1,2,4-trichlorobenzene
 Concen: 0.490 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010600.D
 Acq: 01 May 2019 11:52

Tgt Ion:180 Resp: 3206
 Ion Ratio Lower Upper
 180 100
 182 88.5 77.7 116.5
 145 32.9 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: 0.390 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

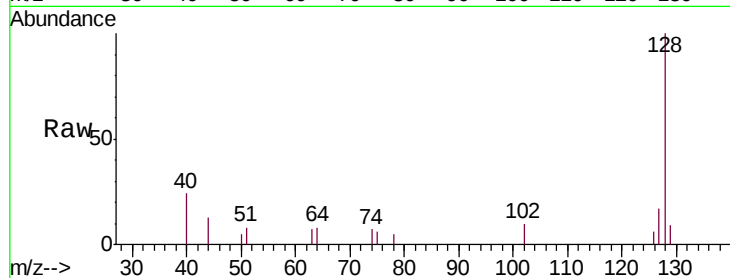
Tgt Ion:128 Resp: 4098

Ion Ratio Lower Upper

128 100

129 7.9 8.5 12.7#

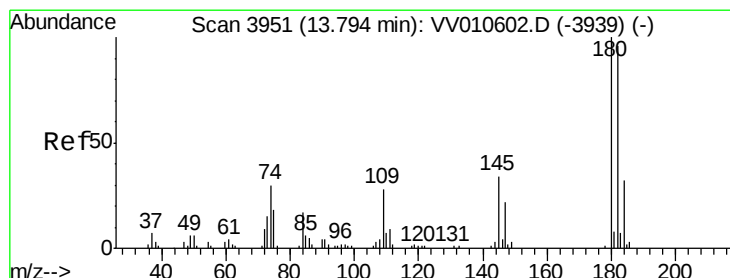
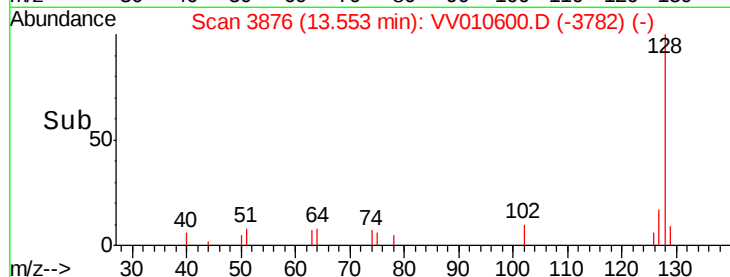
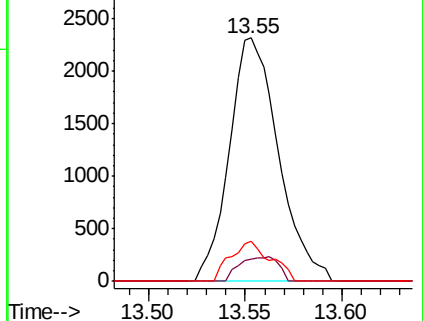
127 13.4 10.3 15.5



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: 0.431 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010600.D

Acq: 01 May 2019 11:52

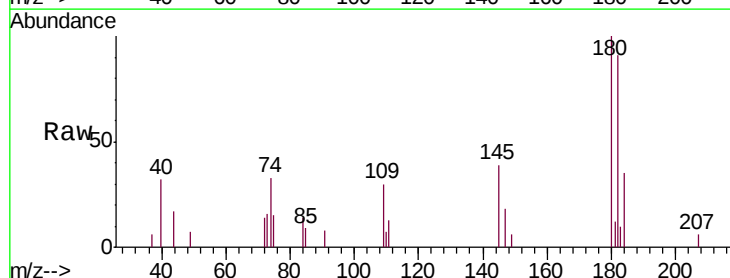
Tgt Ion:180 Resp: 2589

Ion Ratio Lower Upper

180 100

182 97.3 76.0 114.0

145 37.3 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

