

Data File : VV010602.D
Acq On : 01 May 2019 12:54
Operator : SY/MD
Sample : VSTD00538
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Quant Time: May 02 07:59:01 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	84013	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	80234	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	36956	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23353	5.04	ug/L	0.00
7) Chloroethane-d5	1.58	69	17409	5.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	47425	5.26	ug/L	0.00
20) 2-Butanone-d5	3.96	46	59482	55.97	ug/L	0.00
24) Chloroform-d	4.40	84	54656	5.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	25717	5.15	ug/L	0.00
32) Benzene-d6	5.10	84	105520	5.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	31990	5.73	ug/L	0.00
41) Toluene-d8	7.36	98	103040	5.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	11499	5.47	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	47428	56.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22991	5.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	35426	5.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	38209	5.165	ug/L 100
3) Chloromethane	1.25	50	32183	4.763	ug/L 100
5) Vinyl chloride	1.32	62	32566	4.812	ug/L 100
6) Bromomethane	1.54	94	19882	6.737	ug/L 100
8) Chloroethane	1.60	64	14976	4.681	ug/L 100
9) Trichlorofluoromethane	1.77	101	53489	4.912	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	28089	5.049	ug/L 100
12) 1,1-Dichloroethene	2.14	96	24943	5.144	ug/L 100
13) Acetone	2.22	43	32808	50.430	ug/L 100
14) Carbon disulfide	2.31	76	68567	5.000	ug/L 100
15) Methyl Acetate	2.47	43	10367	4.734	ug/L 100
16) Methylene chloride	2.53	84	29645	4.760	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	58358	5.249	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	28620	5.293	ug/L 100
19) 1,1-Dichloroethane	3.23	63	54214	5.383	ug/L 100
21) 2-Butanone	4.04	43	61785	53.193	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	30903	5.164	ug/L 100
23) Bromochloromethane	4.30	128	12953	5.373	ug/L 100
25) Chloroform	4.43	83	55966	5.196	ug/L 100
27) 1,2-Dichloroethane	5.18	62	31167	5.140	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	48811	5.503	ug/L 100
30) Cyclohexane	4.72	56	44925	5.484	ug/L 100
31) Carbon tetrachloride	4.87	117	43330	5.342	ug/L 100
33) Benzene	5.15	78	117195	5.596	ug/L 100
34) Trichloroethene	5.96	95	32049	5.273	ug/L 100
35) Methylcyclohexane	6.18	83	45794	5.398	ug/L 100
37) 1,2-Dichloropropane	6.22	63	28972	5.527	ug/L 100
38) Bromodichloromethane	6.56	83	36574	5.419	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	37522	5.234	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	161462	57.520	ug/L 100

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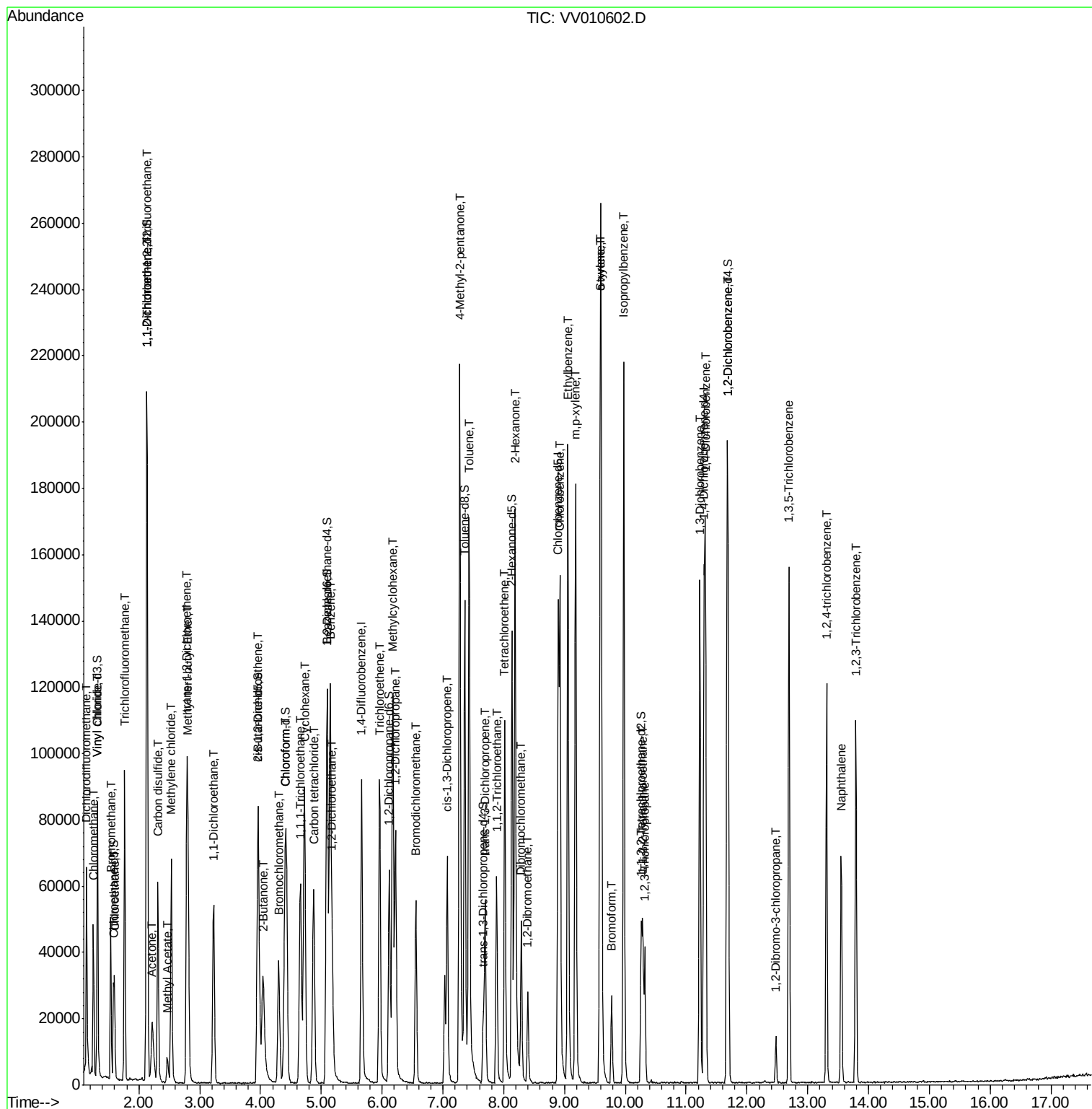
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	133629	5.689	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	29724	5.443	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	19235	5.493	ug/L	100
47) Tetrachloroethene	8.02	164	25439	5.464	ug/L	100
48) 2-Hexanone	8.19	43	117952	58.257	ug/L	100
49) Dibromochloromethane	8.29	129	23687	5.493	ug/L	100
50) 1,2-Dibromoethane	8.40	107	18471	5.507	ug/L	100
51) Chlorobenzene	8.93	112	83952	5.449	ug/L	100
52) Ethylbenzene	9.05	91	139433	5.496	ug/L	100
53) m,p-xylene	9.18	106	53835	5.572	ug/L	100
54) o-xylene	9.59	106	52478	5.513	ug/L	100
55) Styrene	9.60	104	89204	5.733	ug/L	100
56) Isopropylbenzene	9.97	105	136504	5.585	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	22796	5.260	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	16895	5.404	ug/L	100
61) Bromoform	9.77	173	11277	5.408	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	61669	5.453	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	62659	5.490	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	58342	5.461	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	3533	5.373	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	45190	5.437	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	33382	5.256	ug/L	100
69) Naphthalene	13.55	128	53101	5.209	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	31738	5.448	ug/L	100

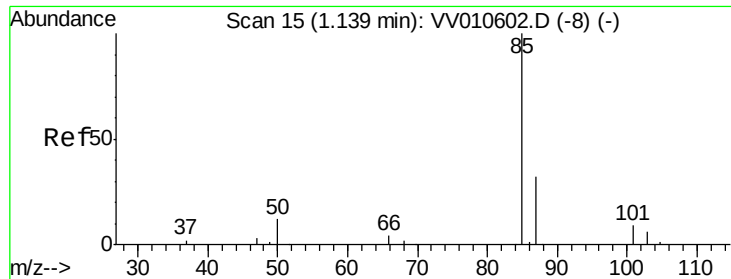
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.165 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

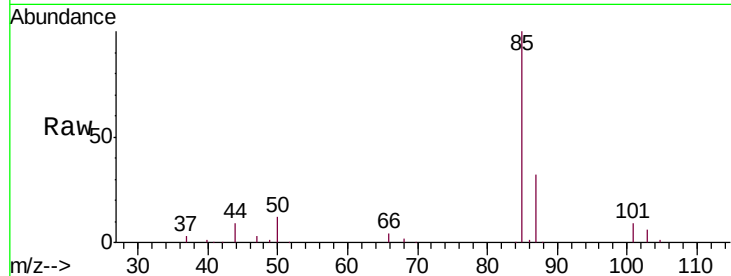
VSTD00538

Tgt Ion: 85 Resp: 38209

Ion Ratio Lower Upper

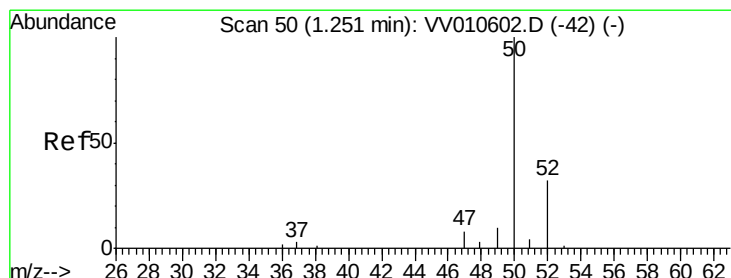
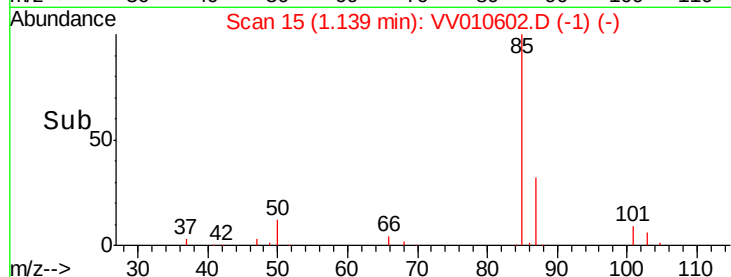
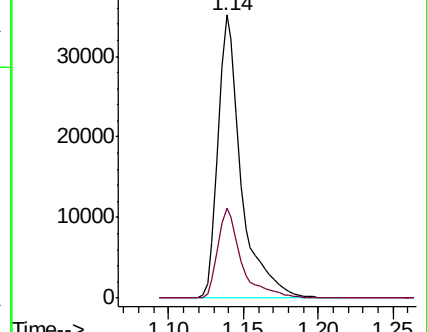
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV010602.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010602.D (-8) (-)



#3

Chloromethane

Concen: 4.763 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010602.D

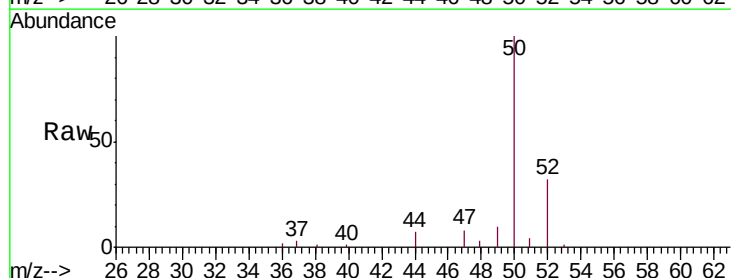
Acq: 01 May 2019 12:54

Tgt Ion: 50 Resp: 32183

Ion Ratio Lower Upper

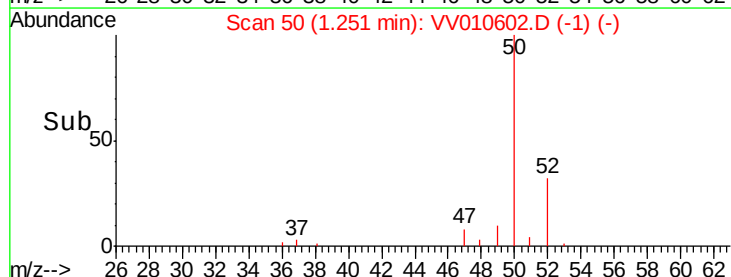
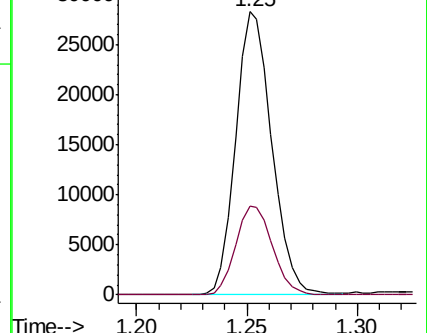
50 100

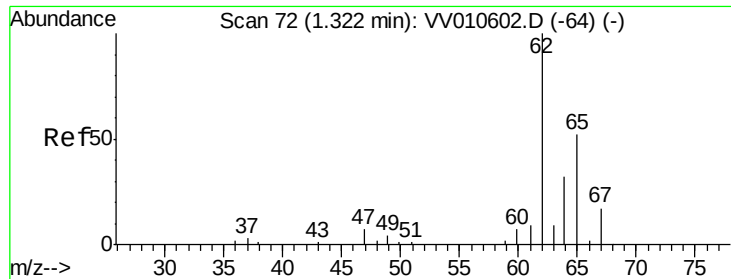
52 31.5 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV010602.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010602.D (-42) (-)





#5

Vinyl chloride

Concen: 4.812 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

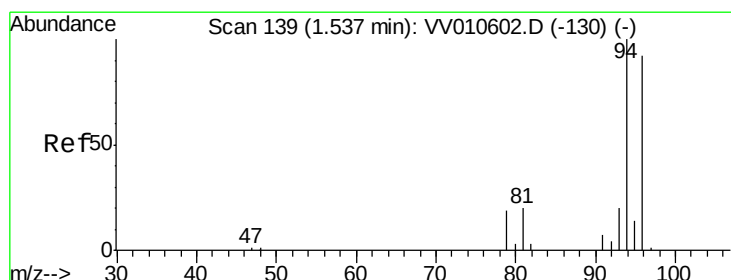
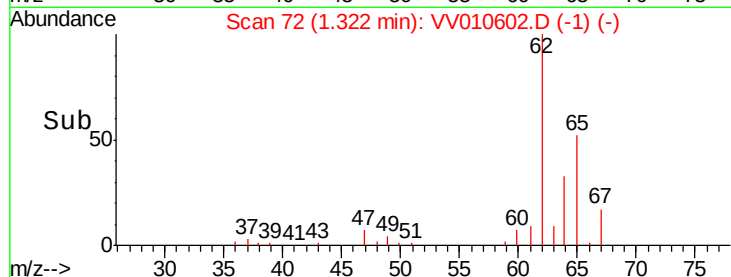
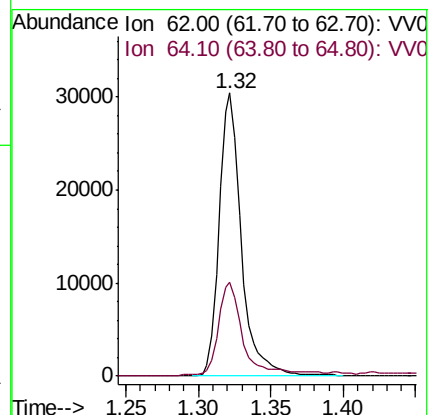
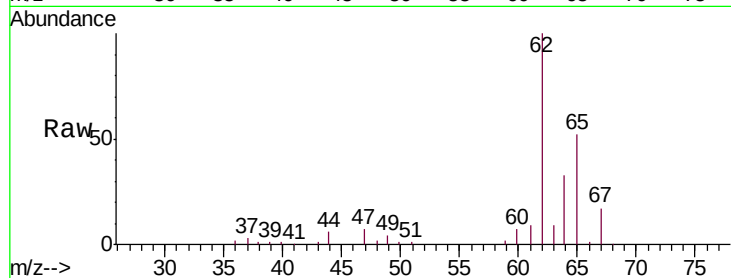
VSTD00538

Tgt Ion: 62 Resp: 32566

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 6.737 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010602.D

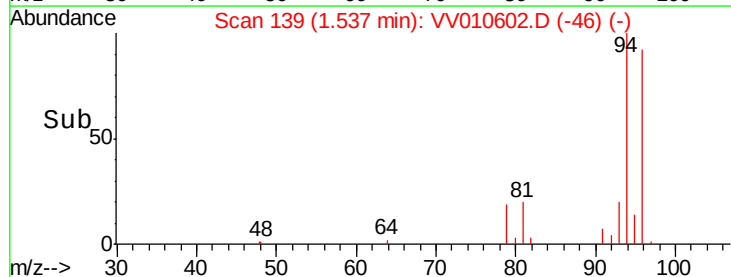
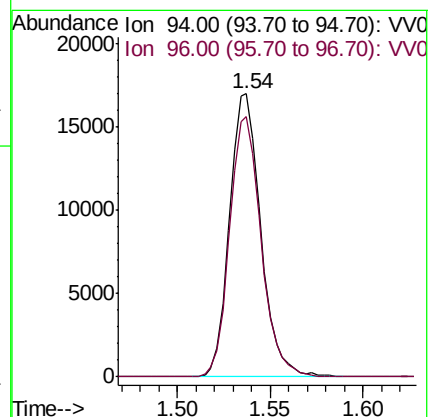
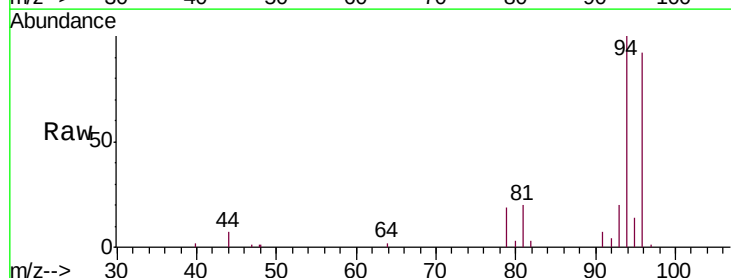
Acq: 01 May 2019 12:54

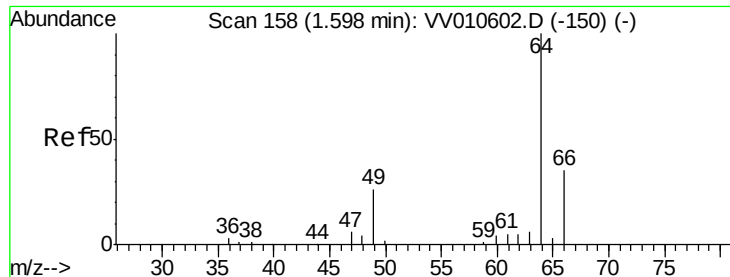
Tgt Ion: 94 Resp: 19882

Ion Ratio Lower Upper

94 100

96 92.1 64.5 119.7





#8

Chloroethane

Concen: 4.681 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

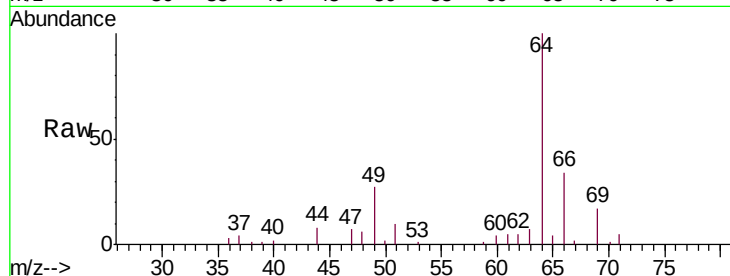
VSTD00538

Tgt Ion: 64 Resp: 14976

Ion Ratio Lower Upper

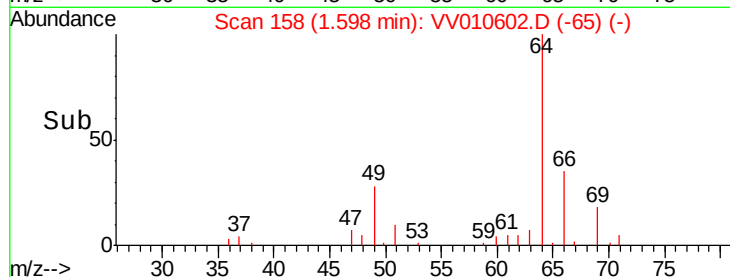
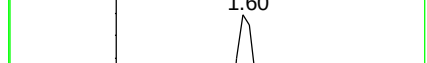
64 100

66 34.0 23.8 44.2

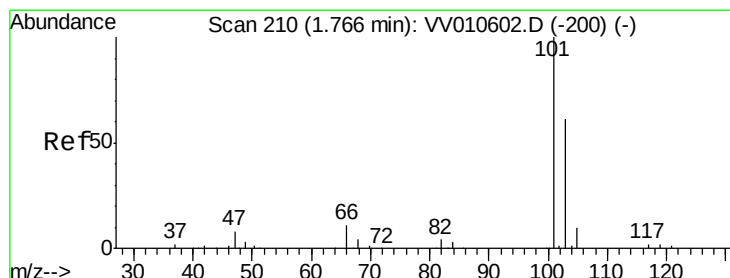


Abundance Ion 64.10 (63.80 to 64.80): VV010602.D (-150) (-)

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



Time-->



#9

Trichlorofluoromethane

Concen: 4.912 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010602.D

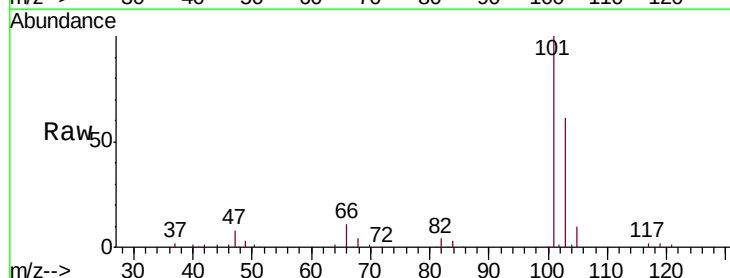
Acq: 01 May 2019 12:54

Tgt Ion: 101 Resp: 53489

Ion Ratio Lower Upper

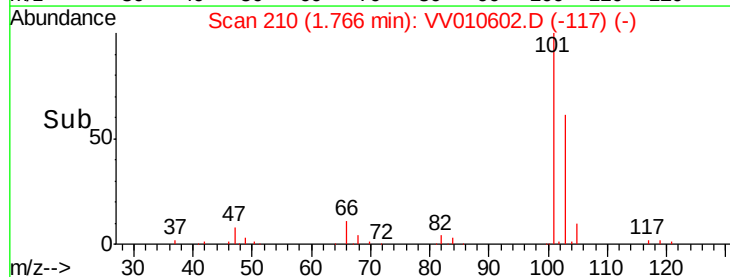
101 100

103 61.9 49.5 74.3

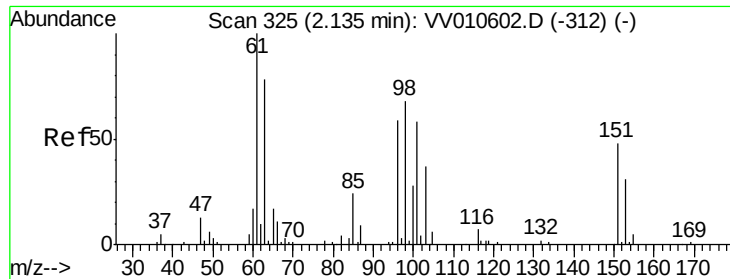


Abundance Ion 101.00 (100.70 to 101.70): VV010602.D (-200) (-)

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



Time-->



#10

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

Concen: 5.049 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

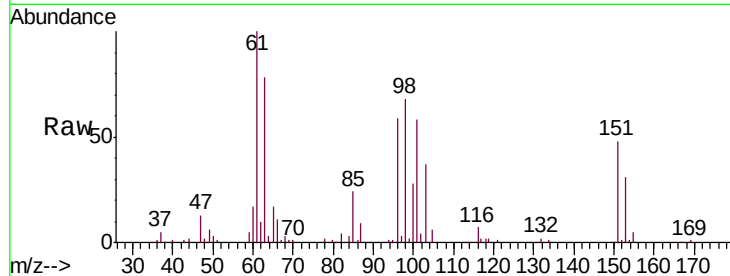
Tgt Ion:101 Resp: 28089

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

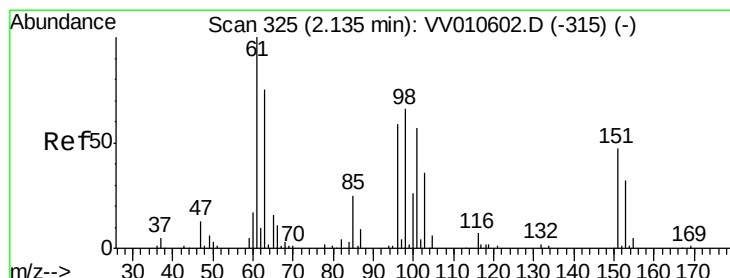
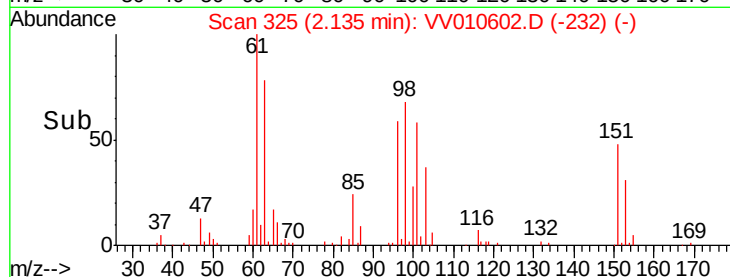
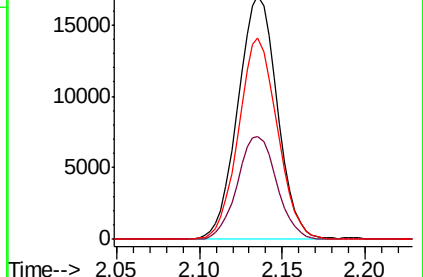
151 81.5 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV010602.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV010602.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV010602.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.144 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

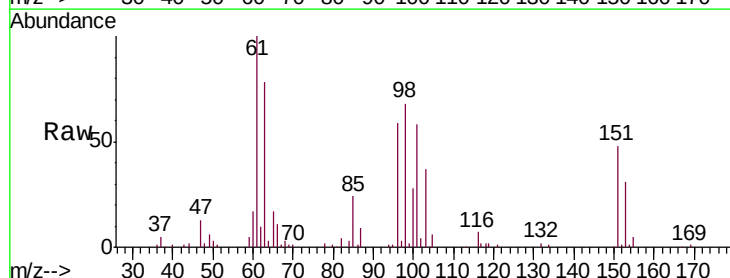
Tgt Ion: 96 Resp: 24943

Ion Ratio Lower Upper

96 100

61 169.6 118.7 220.5

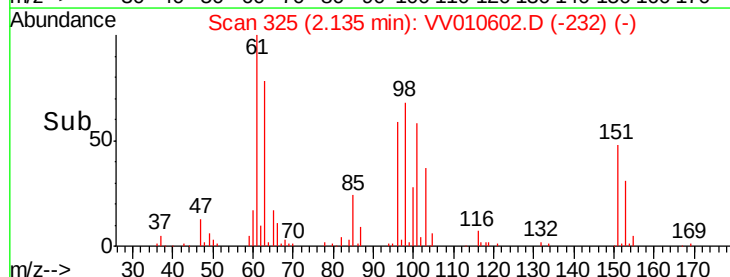
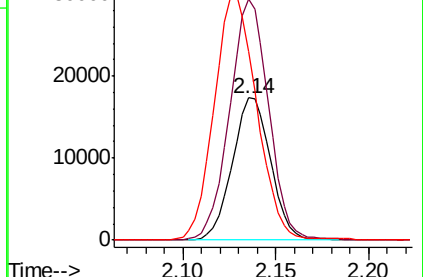
63 133.1 93.2 173.0

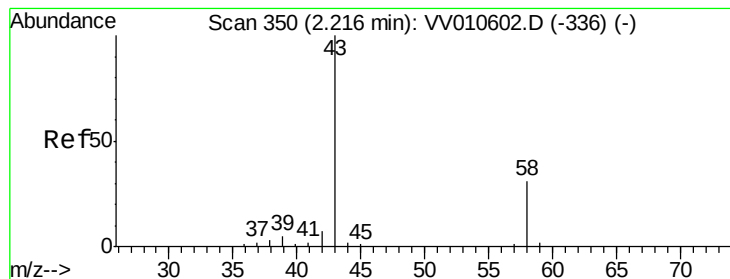


Abundance Ion 96.00 (95.70 to 96.70): VV010602.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV010602.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV010602.D (-315) (-)





#13

Acetone

Concen: 50.430 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

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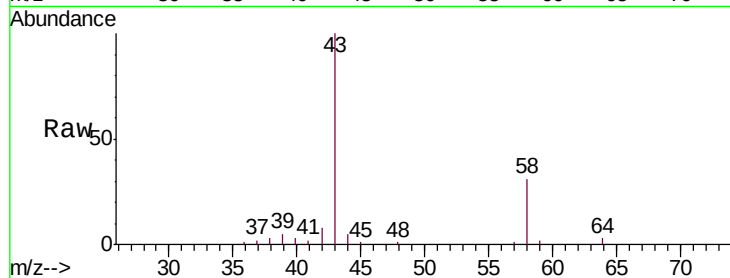
VSTD00538

Tgt Ion: 43 Resp: 32808

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010602.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV010602.D (-336) (-)

2.22

12000

10000

8000

6000

4000

2000

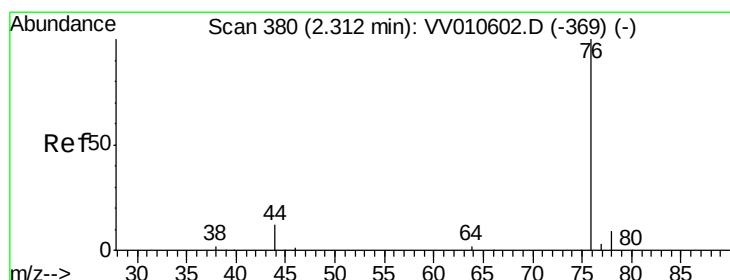
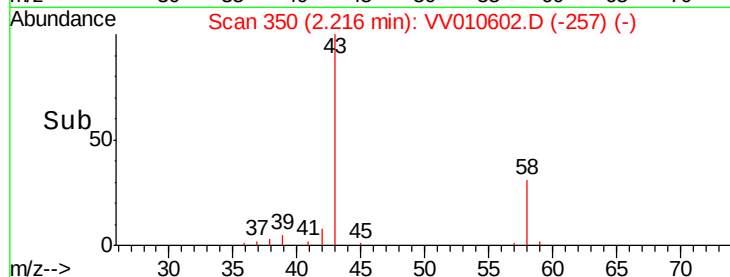
0

Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010602.D

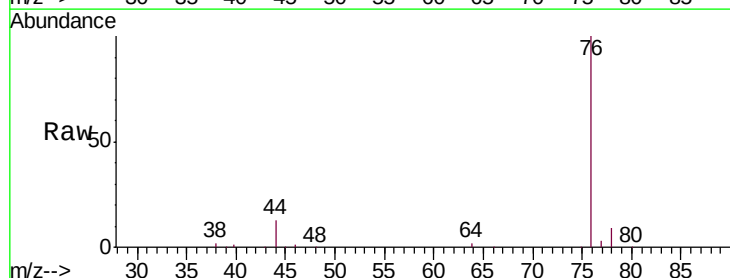
Acq: 01 May 2019 12:54

Tgt Ion: 76 Resp: 68567

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010602.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010602.D (-369) (-)

2.31

50000

40000

30000

20000

10000

0

Time-->

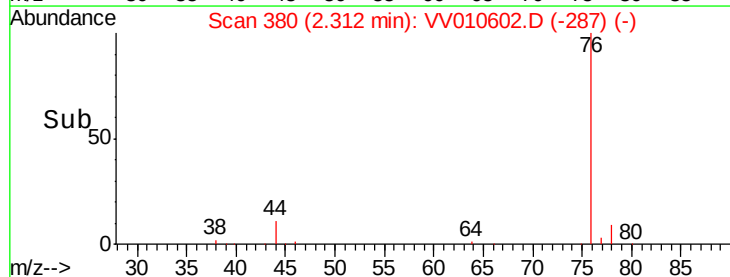
2.25

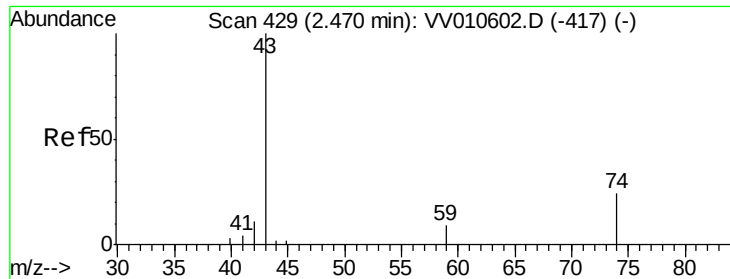
2.30

2.35

2.40

2.45

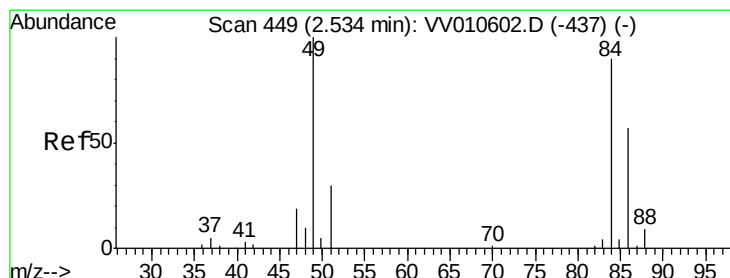
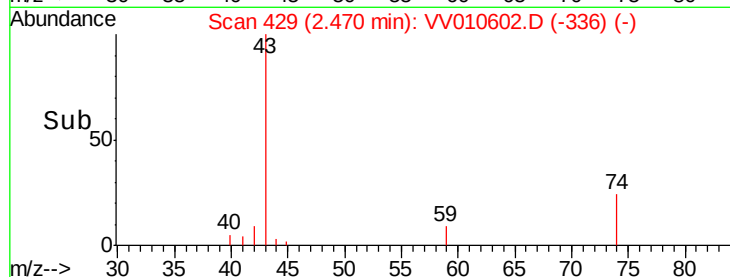
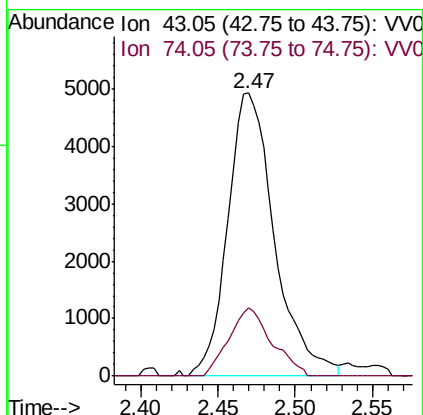
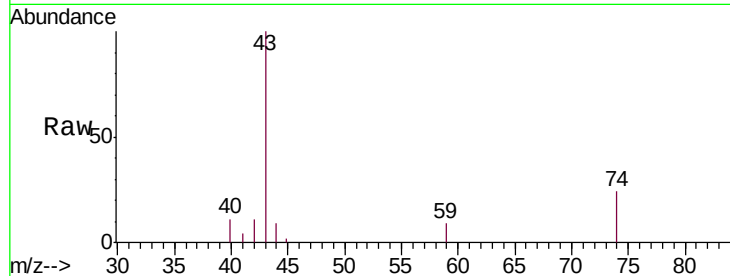




#15
Methyl Acetate
Concen: 4.734 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

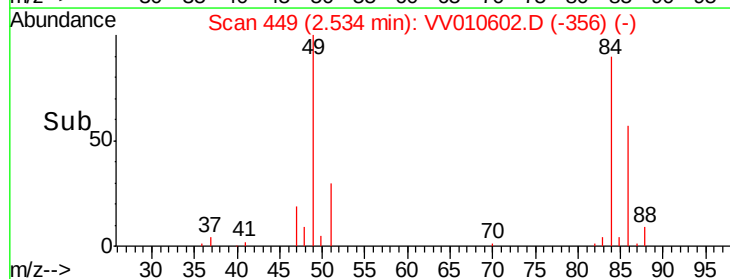
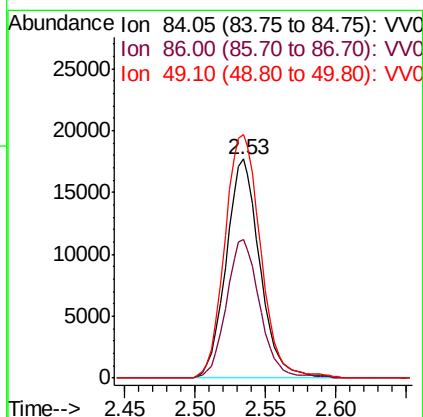
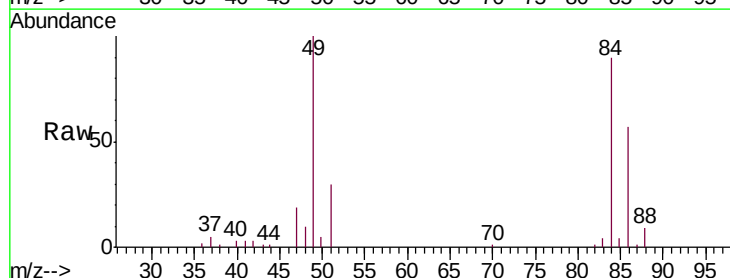
Instrument :
MSVOA_V
ClientSampled :
VSTD00538

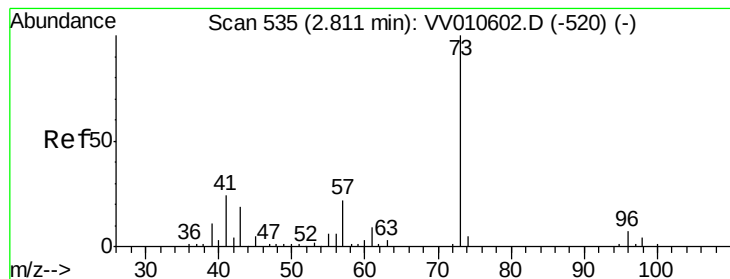
Tgt Ion: 43 Resp: 10367
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3



#16
Methylene chloride
Concen: 4.760 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion: 84 Resp: 29645
Ion Ratio Lower Upper
84 100
86 63.1 44.2 82.0
49 111.2 77.8 144.6





#17

Methyl tert-butyl Ether

Concen: 5.249 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

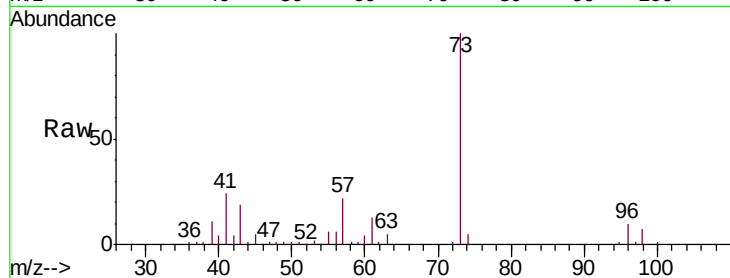
Tgt Ion: 73 Resp: 58358

Ion Ratio Lower Upper

73 100

43 20.1 16.1 24.1

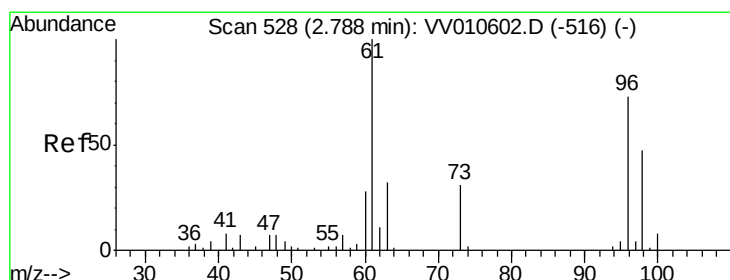
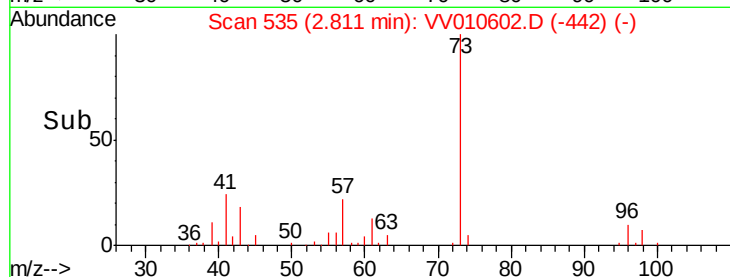
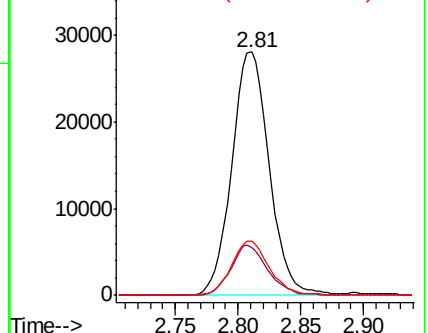
57 22.4 17.9 26.9



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: 5.293 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

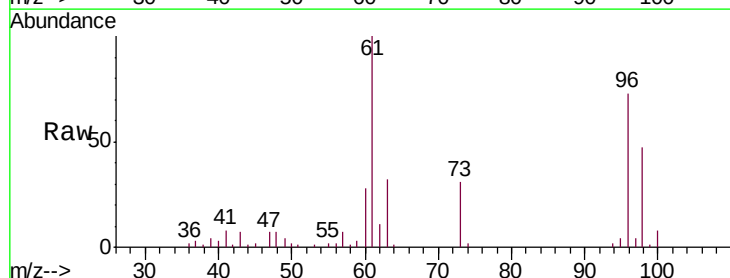
Tgt Ion: 96 Resp: 28620

Ion Ratio Lower Upper

96 100

61 137.4 96.2 178.6

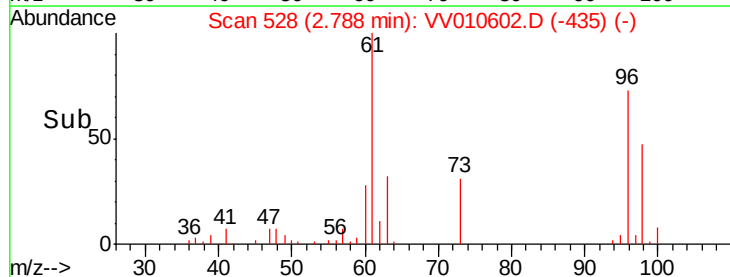
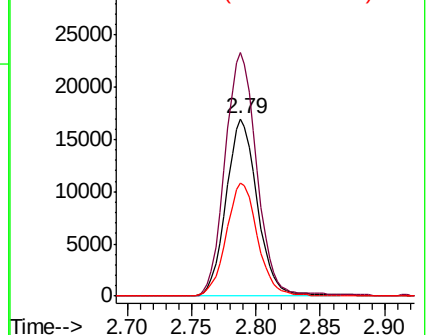
98 64.1 44.9 83.3

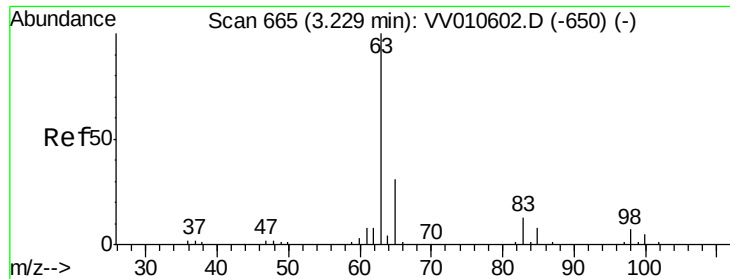


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.383 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

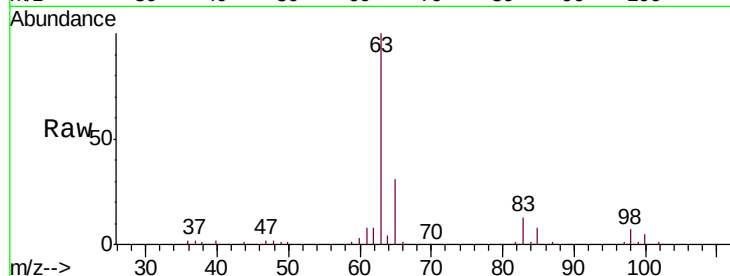
Tgt Ion: 63 Resp: 54214

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

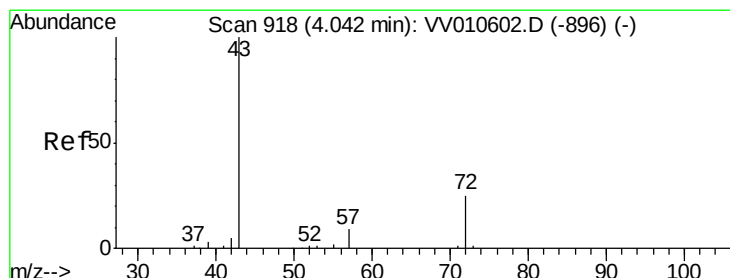
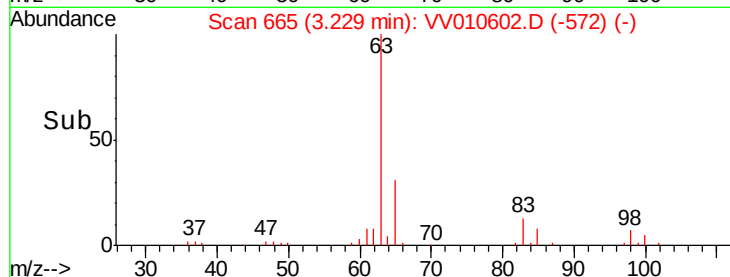
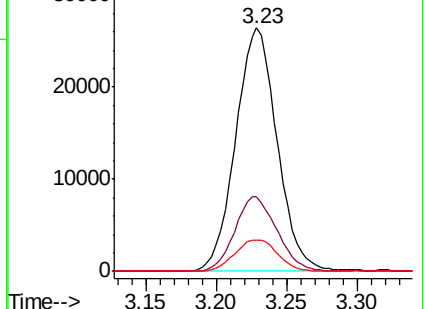
83 12.8 9.0 16.6



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: 53.193 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.00 min

Lab File: VV010602.D

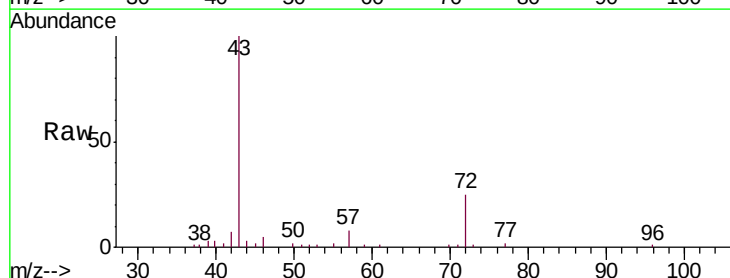
Acq: 01 May 2019 12:54

Tgt Ion: 43 Resp: 61785

Ion Ratio Lower Upper

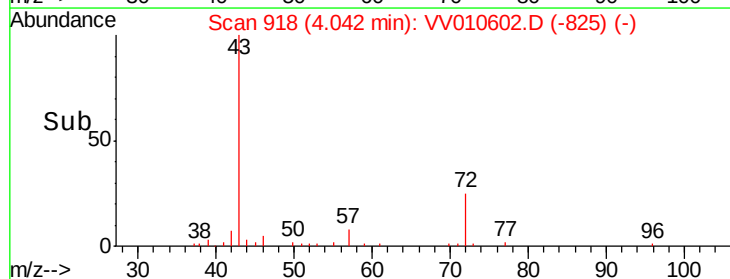
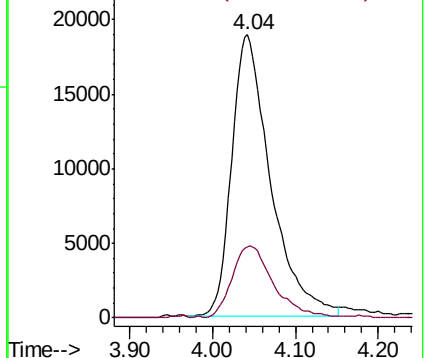
43 100

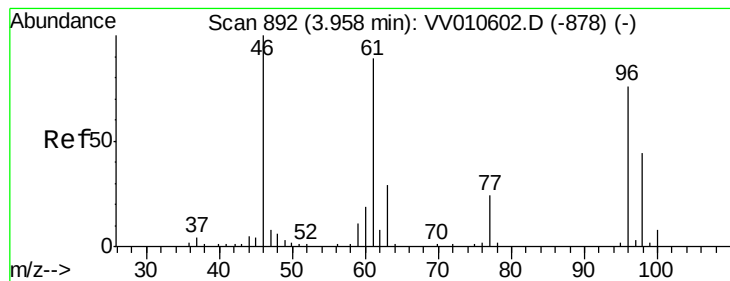
72 27.5 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



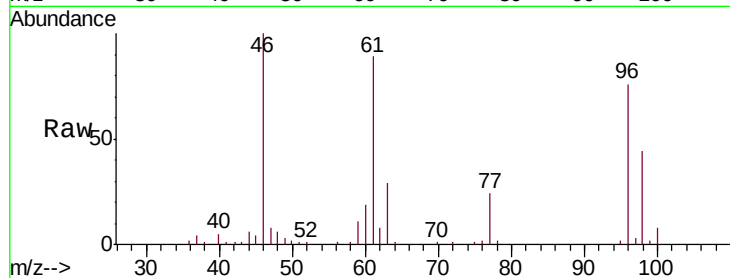


#22

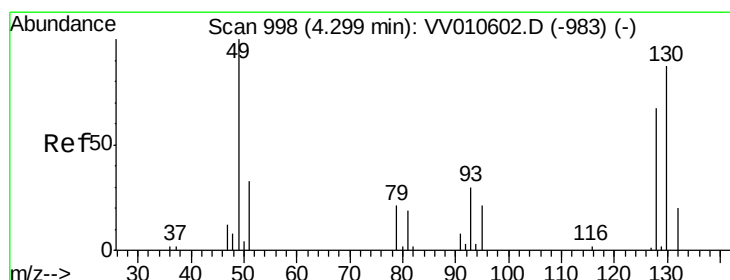
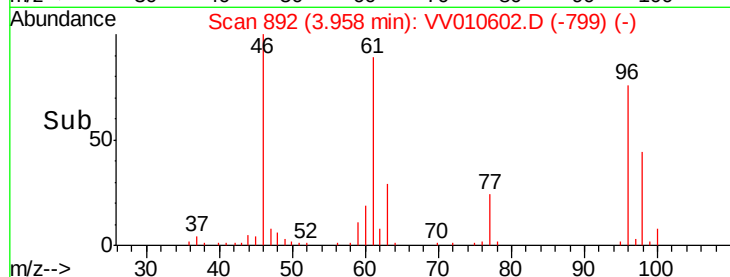
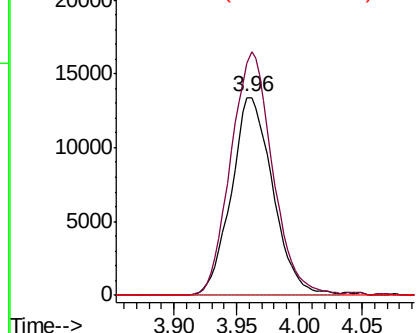
cis-1,2-Dichloroethene
Concen: 5.164 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion: 96 Resp: 30903
Ion Ratio Lower Upper
96 100
61 117.6 82.3 152.9
68 0.0 0.0 0.0



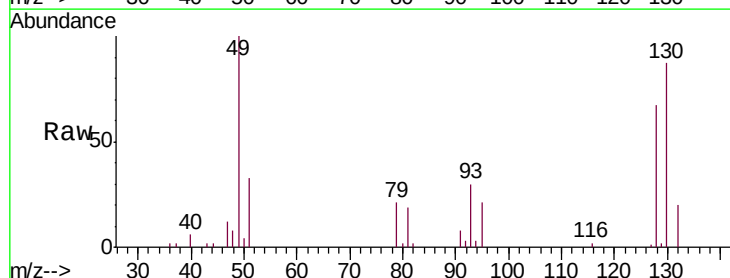
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



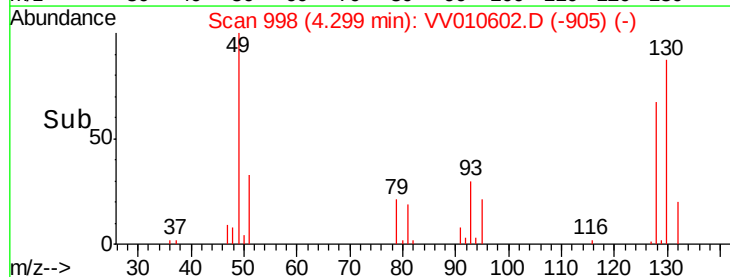
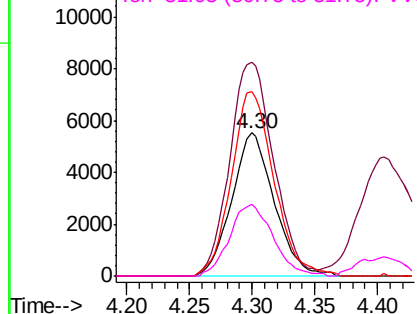
#23

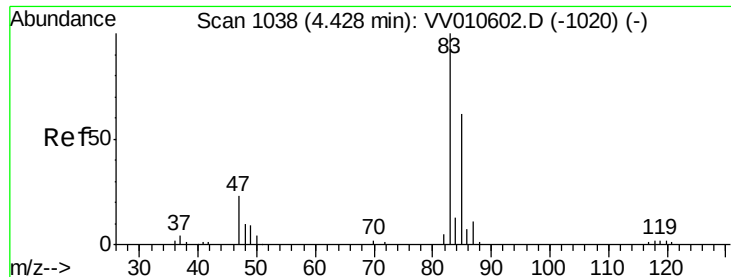
Bromochloromethane
Concen: 5.373 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion: 128 Resp: 12953
Ion Ratio Lower Upper
128 100
49 149.1 104.4 193.8
130 129.1 90.4 167.8
51 49.9 39.9 59.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

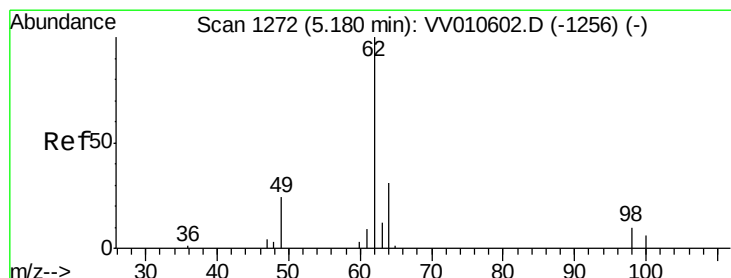
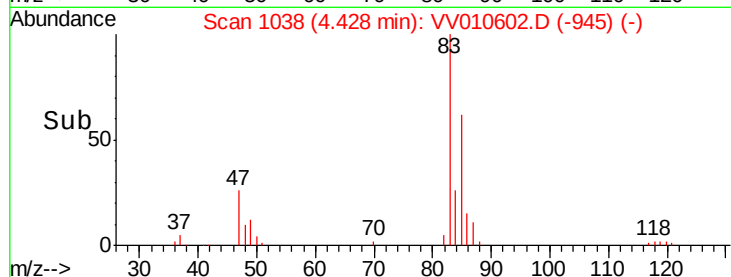
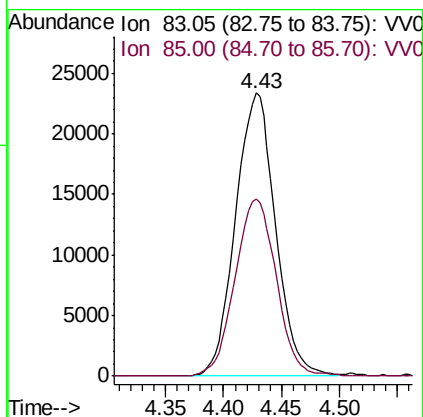
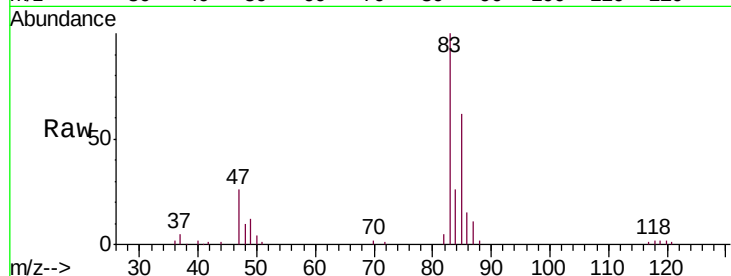




#25
Chloroform
Concen: 5.196 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

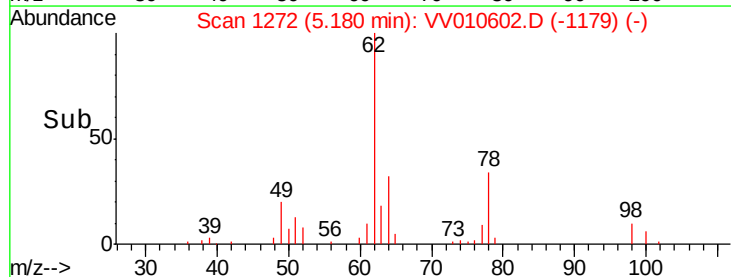
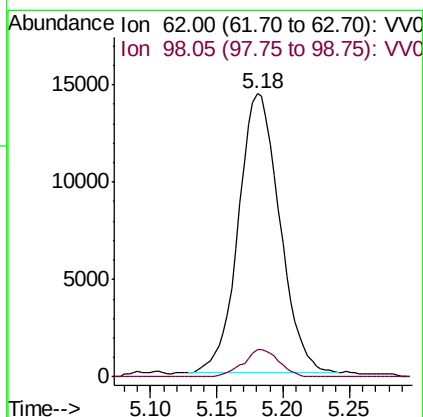
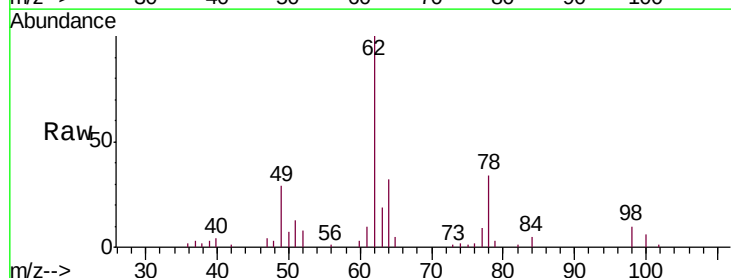
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

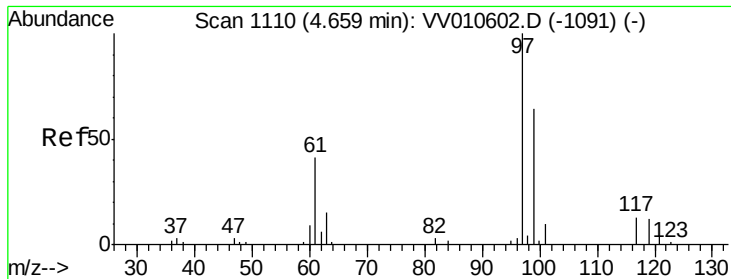
Tgt Ion: 83 Resp: 55966
Ion Ratio Lower Upper
83 100
85 62.4 43.7 81.1



#27
1,2-Dichloroethane
Concen: 5.140 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion: 62 Resp: 31167
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

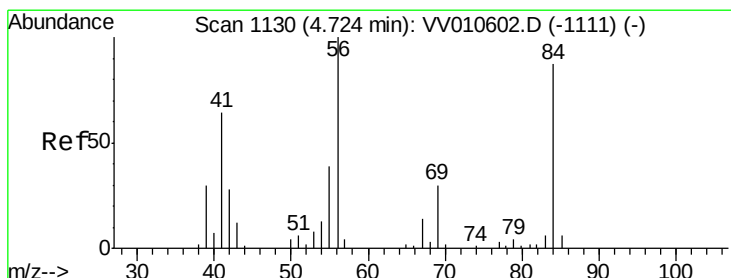
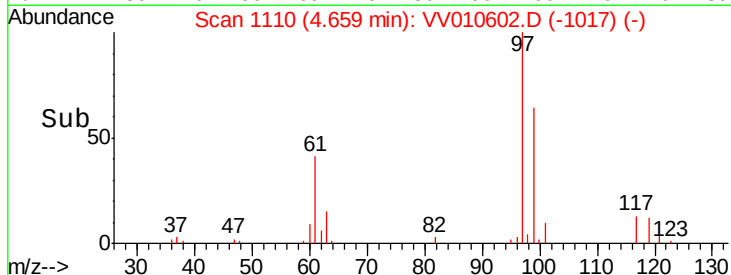
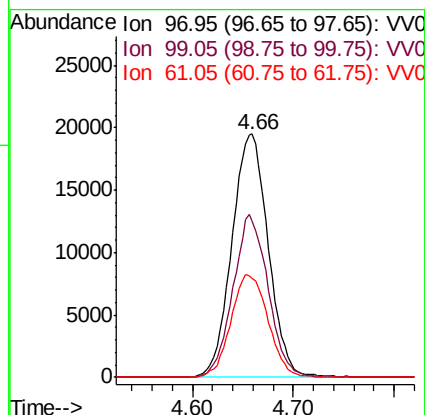
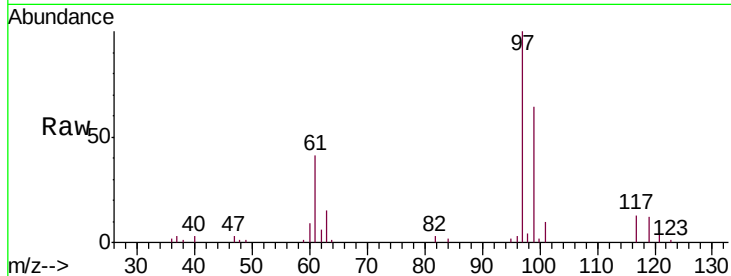




#29
 1,1,1-Trichloroethane
 Concen: 5.503 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

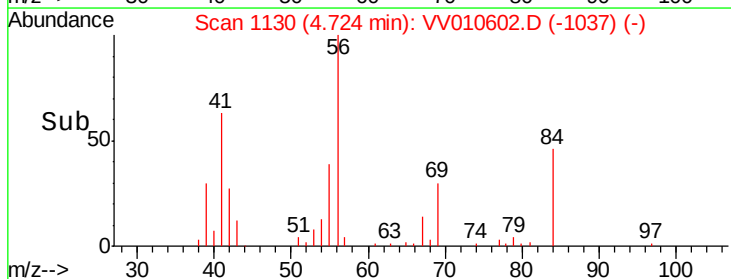
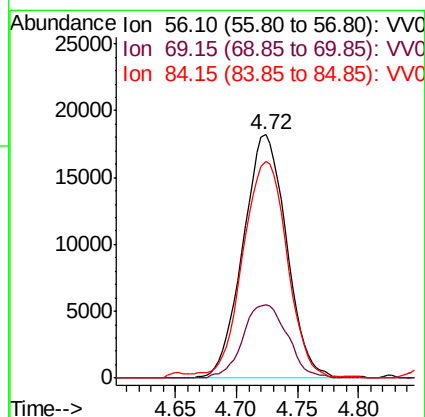
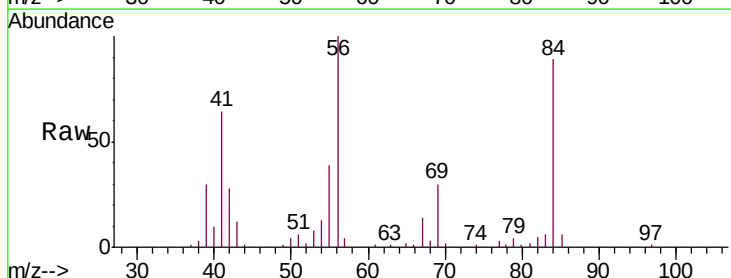
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

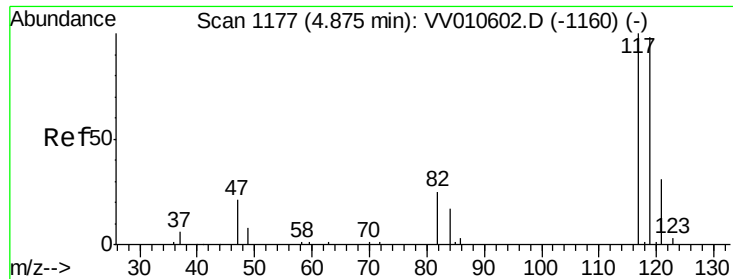
Tgt Ion: 97 Resp: 48811
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.0
 61 43.3 34.6 52.0



#30
 Cyclohexane
 Concen: 5.484 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion: 56 Resp: 44925
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.7 37.1
 84 89.3 71.4 107.2





#31

Carbon tetrachloride

Concen: 5.342 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

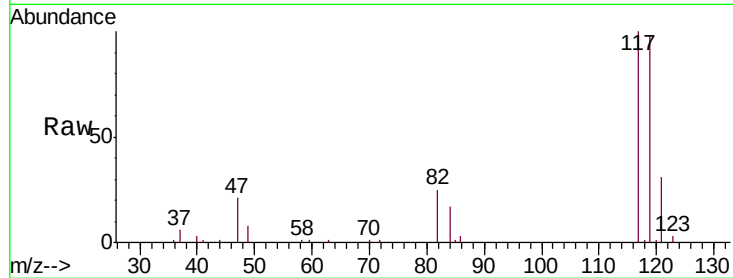
VSTD00538

Tgt Ion:117 Resp: 43330

Ion Ratio Lower Upper

117 100

119 97.6 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

20000

15000

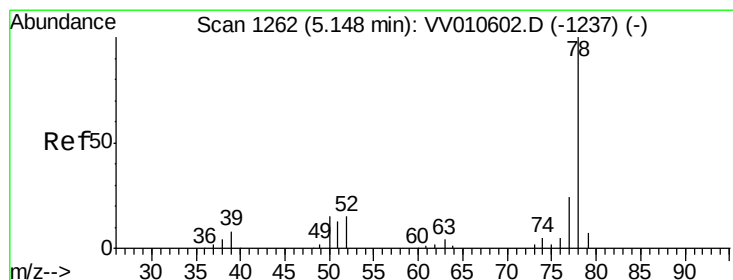
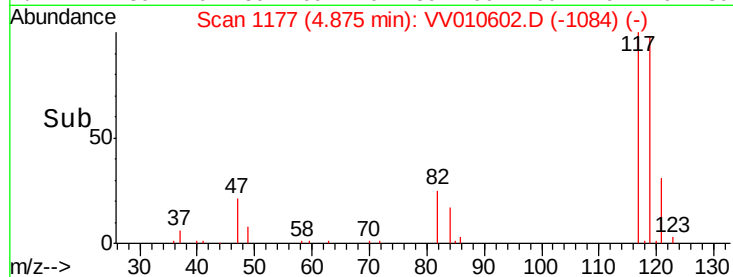
10000

5000

0

4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.596 ug/L

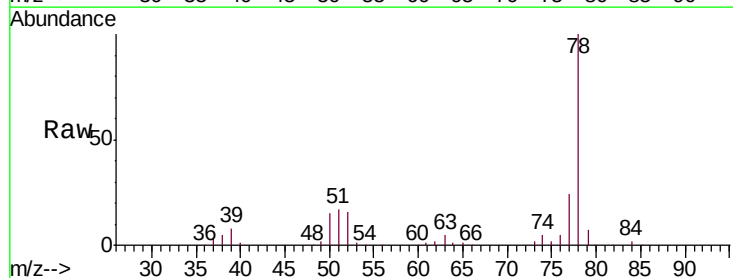
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Tgt Ion: 78 Resp: 117195



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

60000

50000

40000

30000

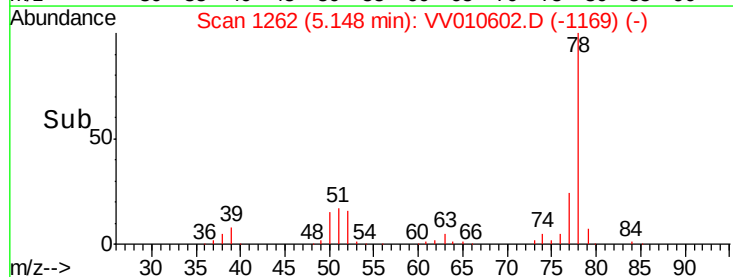
20000

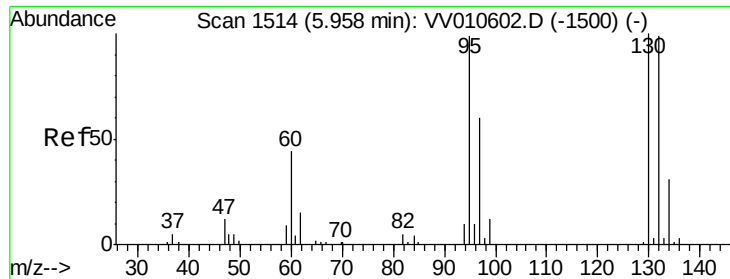
10000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 5.273 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

Tgt Ion: 95 Resp: 32049

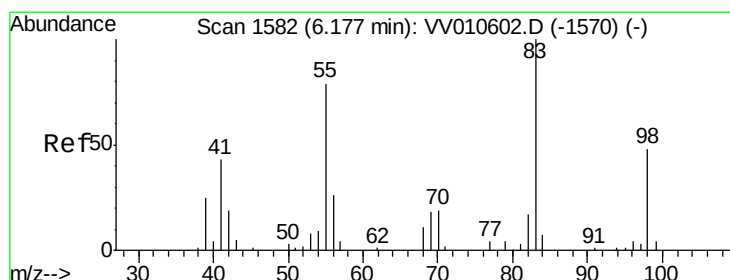
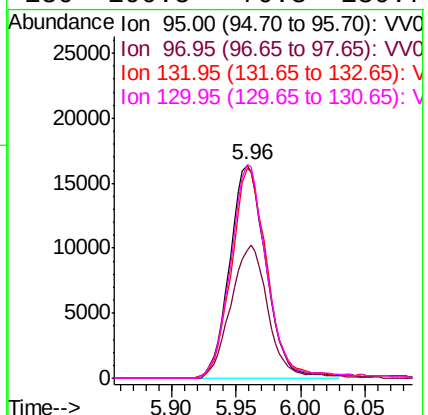
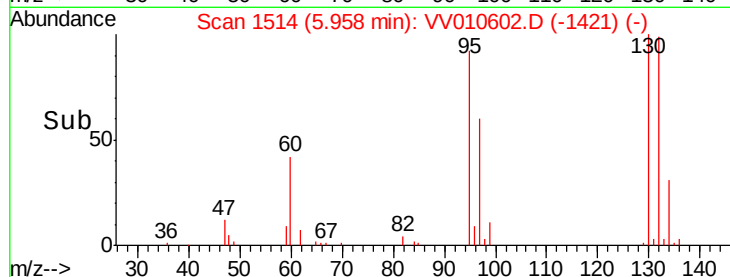
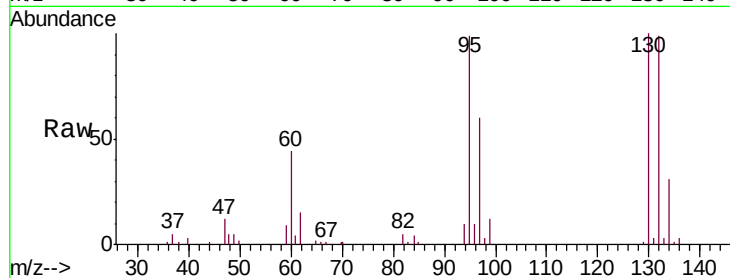
Ion Ratio Lower Upper

95 100

97 60.5 42.4 78.6

132 99.0 69.3 128.7

130 100.5 70.3 130.7



#35

Methylcyclohexane

Concen: 5.398 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

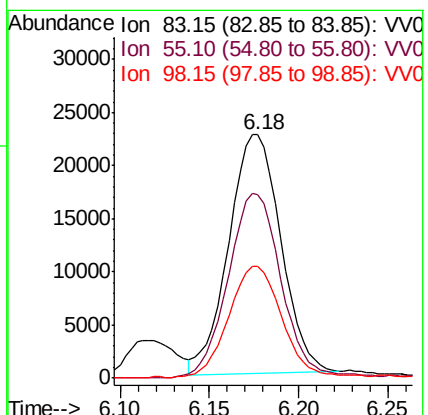
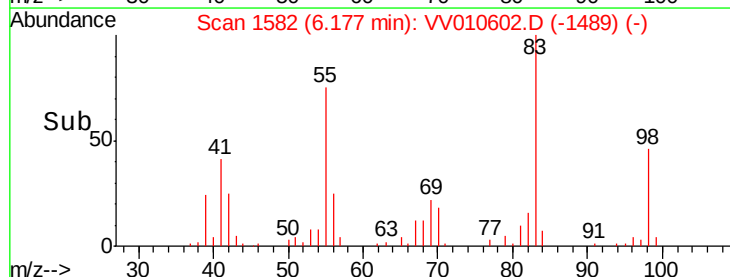
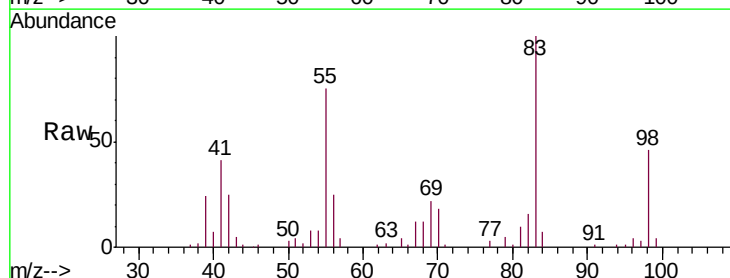
Tgt Ion: 83 Resp: 45794

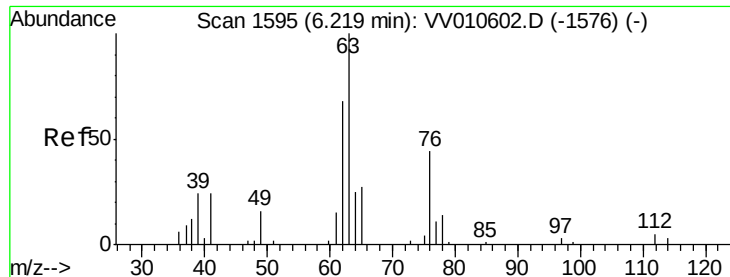
Ion Ratio Lower Upper

83 100

55 79.2 63.4 95.0

98 48.4 38.7 58.1

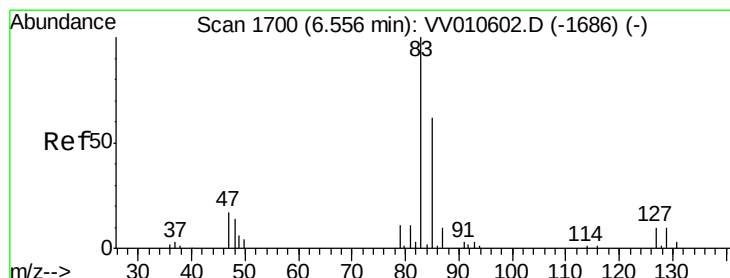
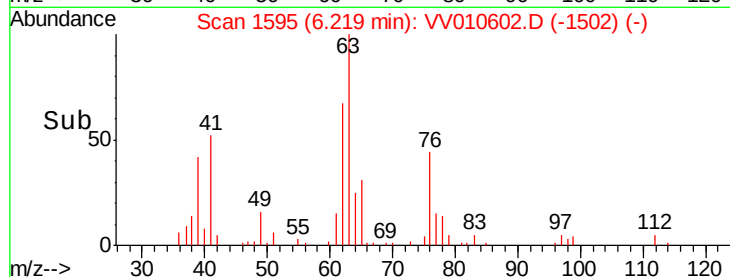
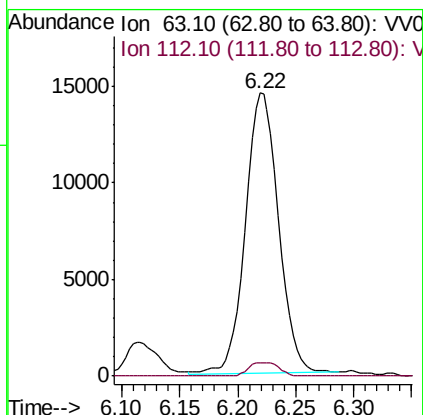
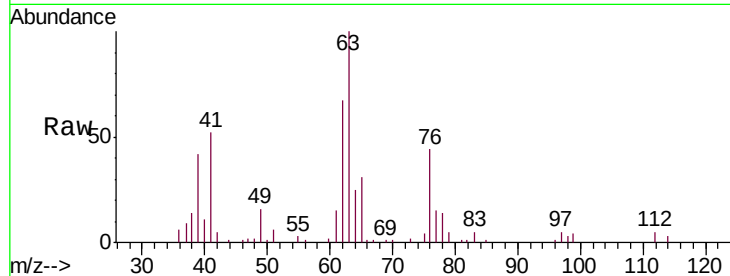




#37
 1,2-Dichloropropane
 Concen: 5.527 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

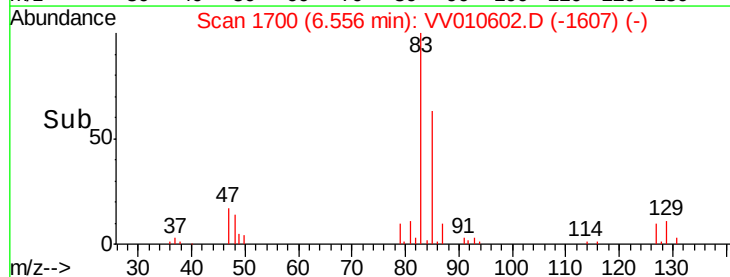
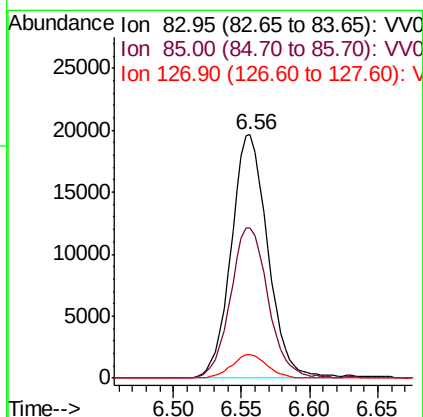
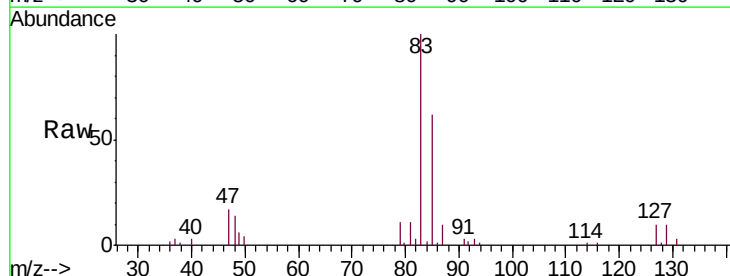
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

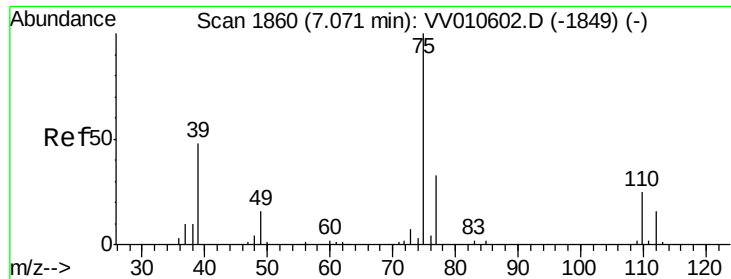
Tgt Ion: 63 Resp: 28972
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.419 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion: 83 Resp: 36574
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.3 80.3
 127 9.7 7.8 11.6

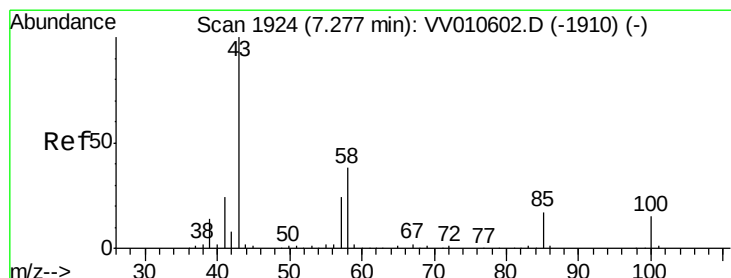
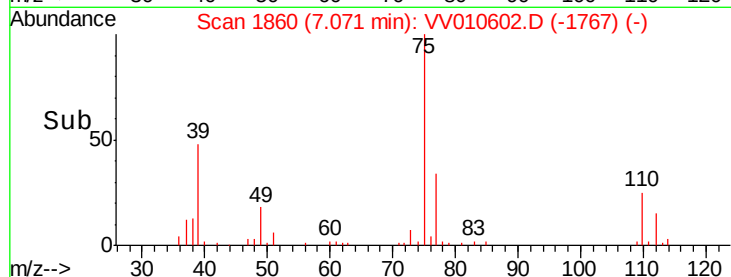
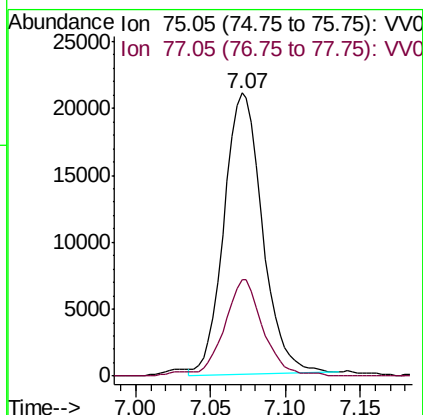
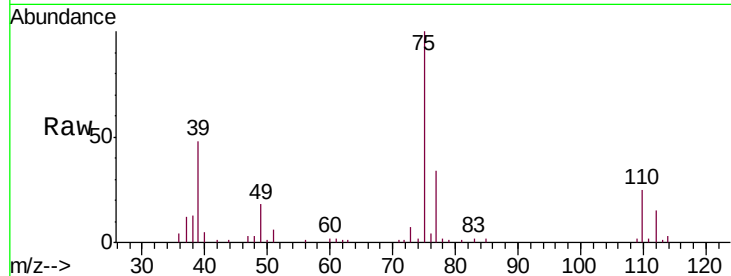




#39
 cis-1,3-Dichloropropene
 Concen: 5.234 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

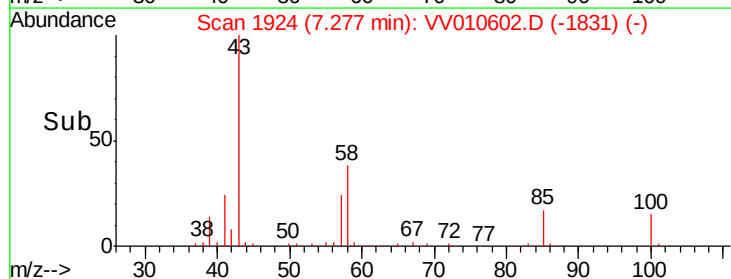
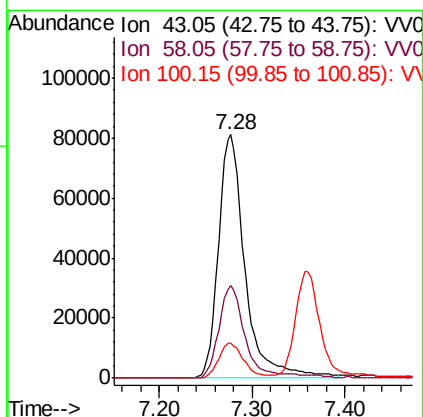
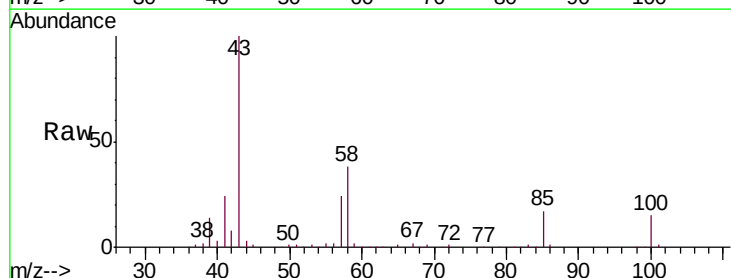
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

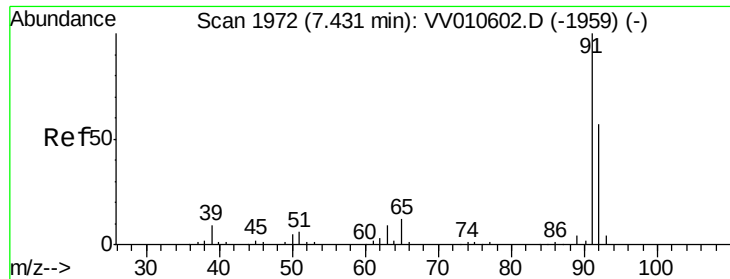
Tgt Ion: 75 Resp: 37522
 Ion Ratio Lower Upper
 75 100
 77 34.1 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 57.520 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion: 43 Resp: 161462
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7
 100 13.5 10.8 16.2





#42

Toluene

Concen: 5.689 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

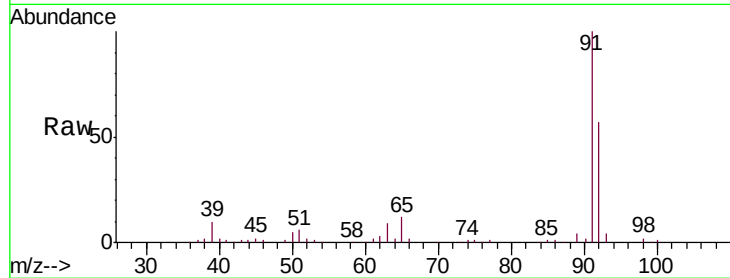
VSTD00538

Tgt Ion: 91 Resp: 133629

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV010602.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV010602.D (-1959) (-)

7.43

80000

60000

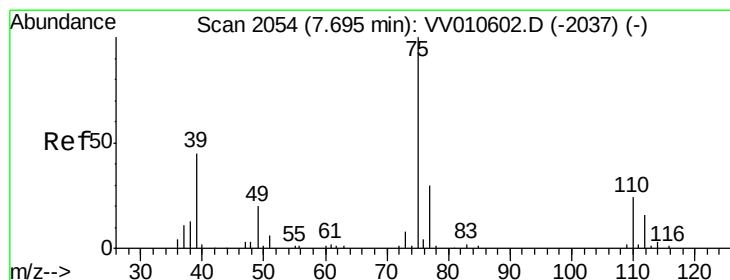
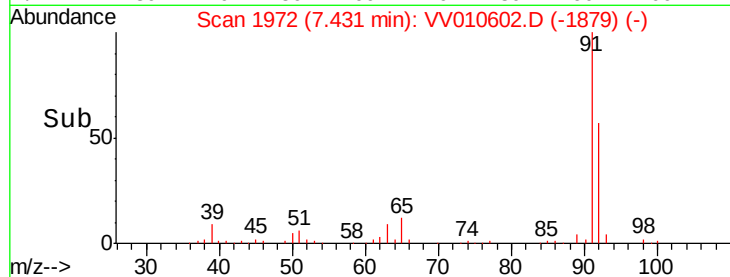
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 5.443 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010602.D

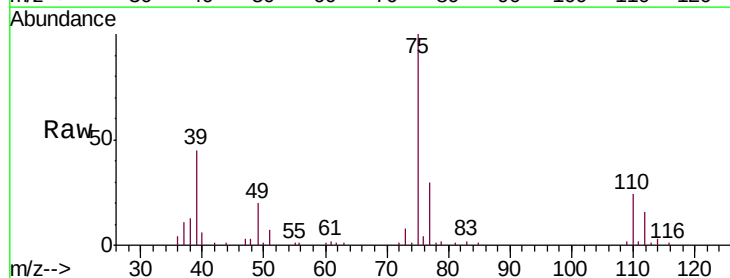
Acq: 01 May 2019 12:54

Tgt Ion: 75 Resp: 29724

Ion Ratio Lower Upper

75 100

77 30.1 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV010602.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV010602.D (-2037) (-)

20000

15000

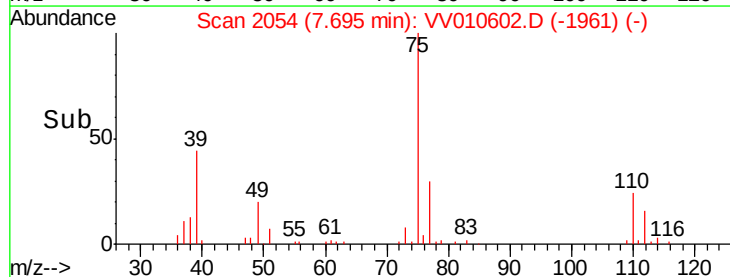
10000

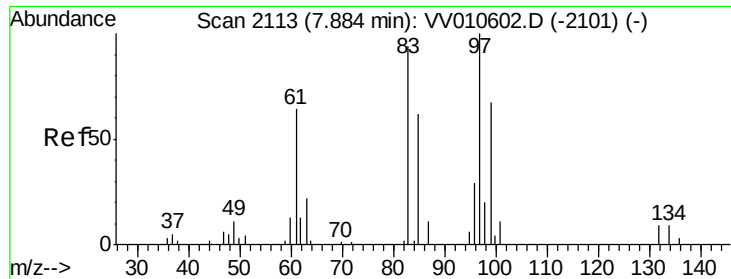
5000

0

Time-->

7.60 7.65 7.70 7.75 7.80

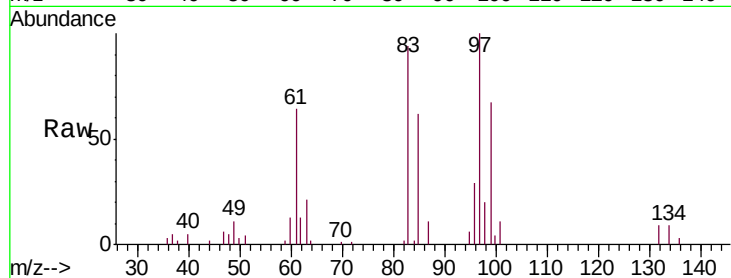




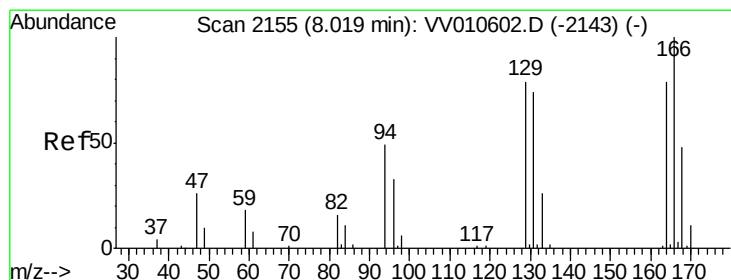
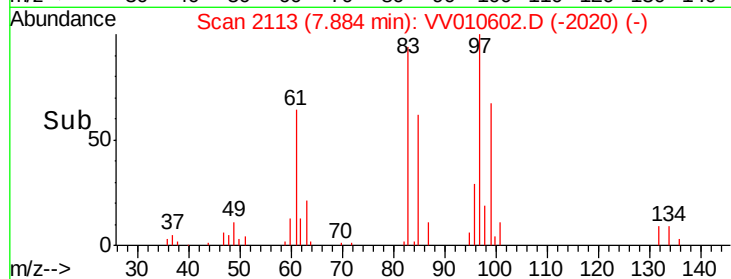
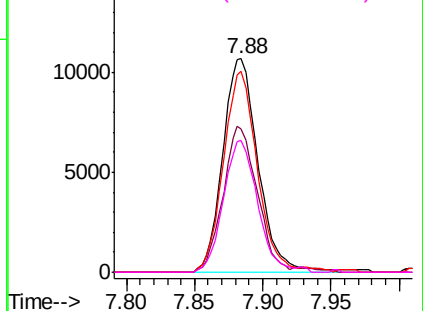
#45
 1,1,2-Trichloroethane
 Concen: 5.493 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion:	97	Resp:	19235
Ion	Ratio	Lower	Upper
97	100		
99	67.3	47.1	87.5
83	94.2	65.9	122.5
85	61.7	43.2	80.2

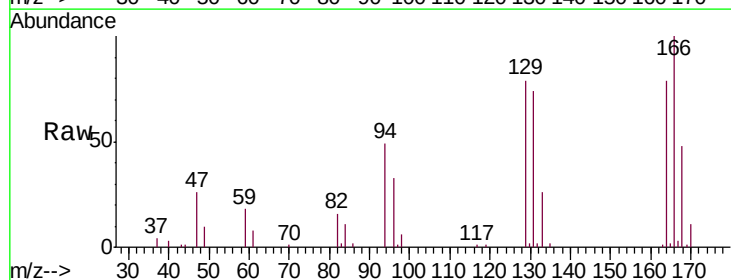


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

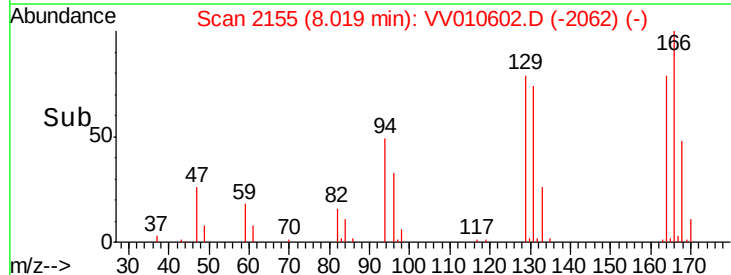
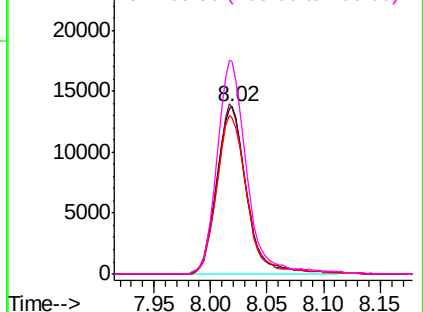


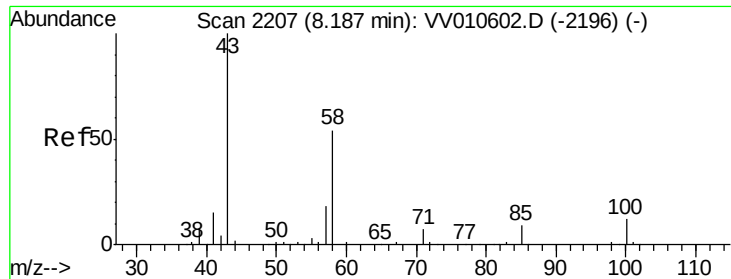
#47
 Tetrachloroethene
 Concen: 5.464 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion:	164	Resp:	25439
Ion	Ratio	Lower	Upper
164	100		
129	99.8	69.9	129.7
131	93.7	65.6	121.8
166	127.0	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

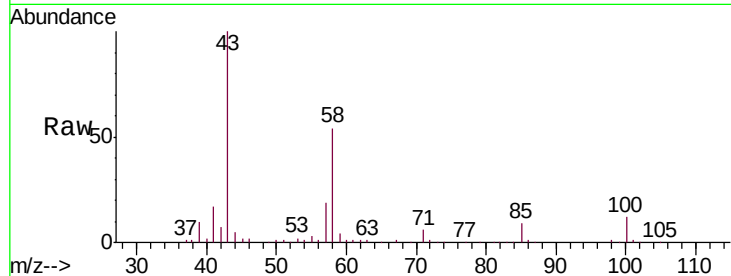




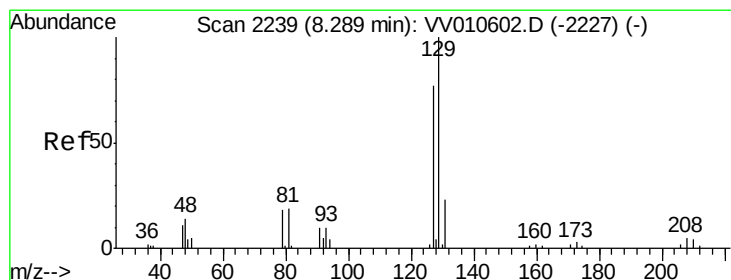
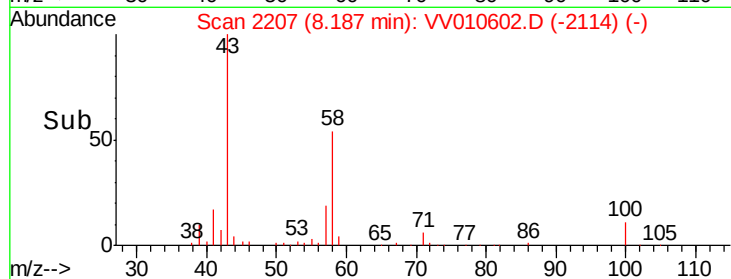
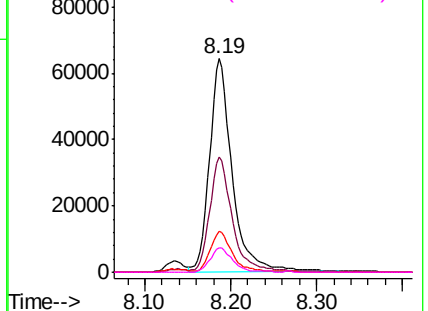
#48
2-Hexanone
Concen: 58.257 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:	43	Resp:	117952
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.9	64.3
57	17.4	13.9	20.9
100	11.6	9.3	13.9

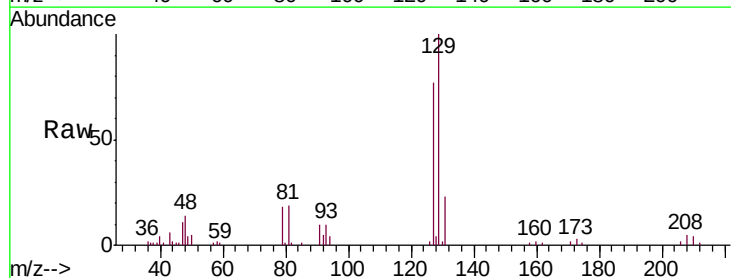


Abundance Ion 43.05 (42.75 to 43.75): VV010602.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV010602.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV010602.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV010602.D (-2196) (-)

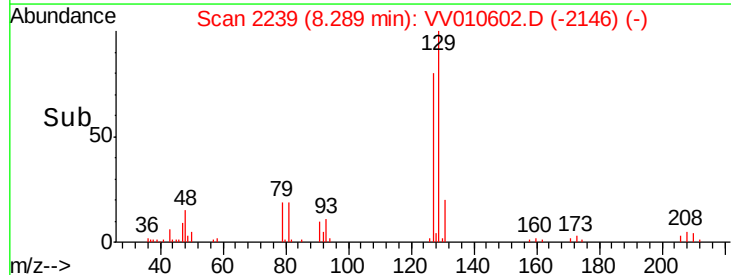
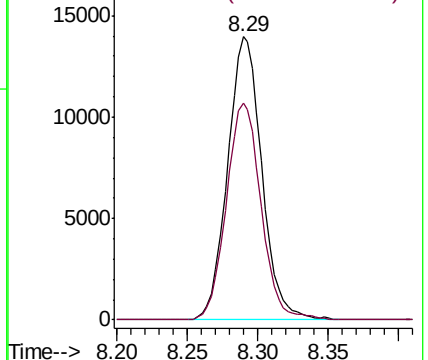


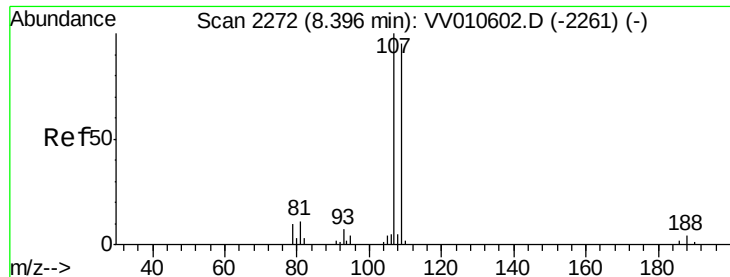
#49
Dibromochloromethane
Concen: 5.493 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion:	129	Resp:	23687
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV010602.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV010602.D (-2227) (-)

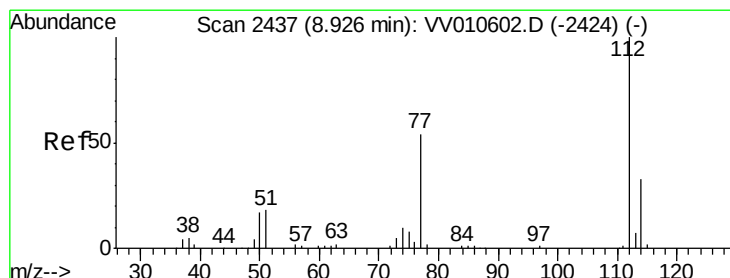
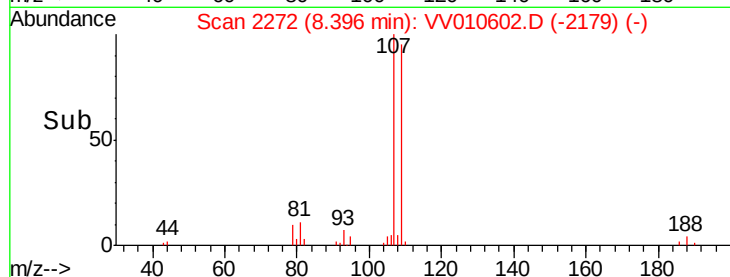
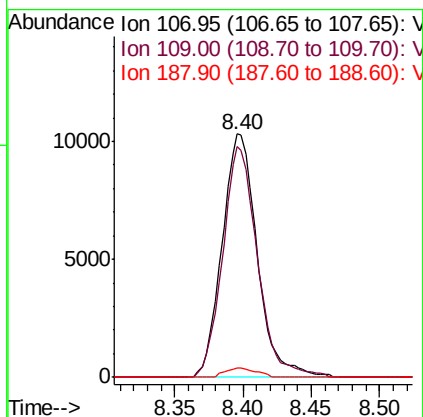
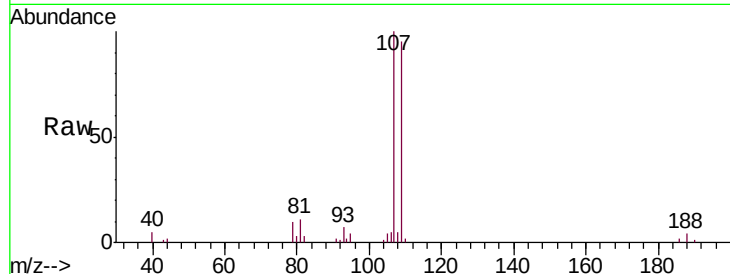




#50
1,2-Dibromoethane
Concen: 5.507 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

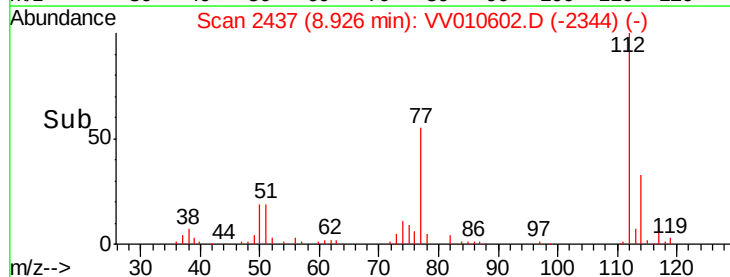
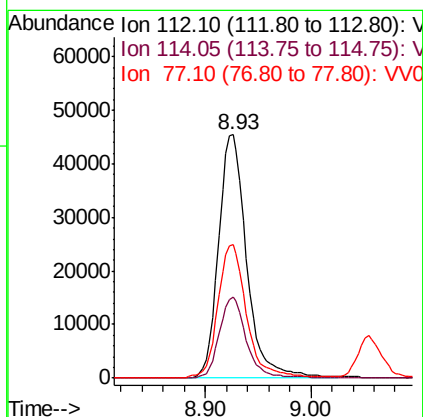
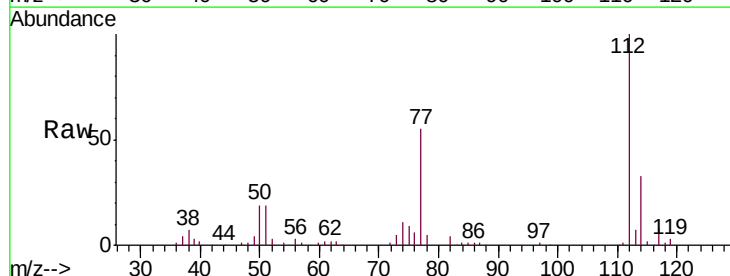
Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

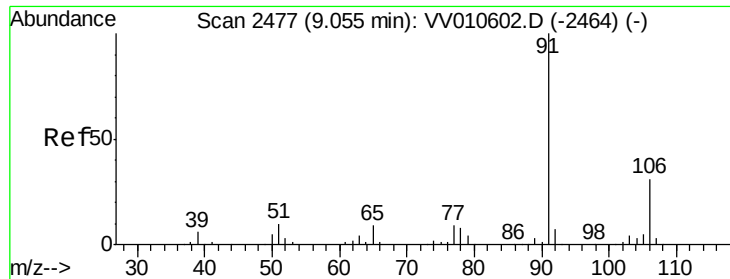
Tgt Ion:107 Resp: 18471
Ion Ratio Lower Upper
107 100
109 94.7 66.3 123.1
188 4.1 3.3 4.9



#51
Chlorobenzene
Concen: 5.449 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion:112 Resp: 83952
Ion Ratio Lower Upper
112 100
114 33.3 23.3 43.3
77 54.8 43.8 65.8





#52

Ethylbenzene

Concen: 5.496 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

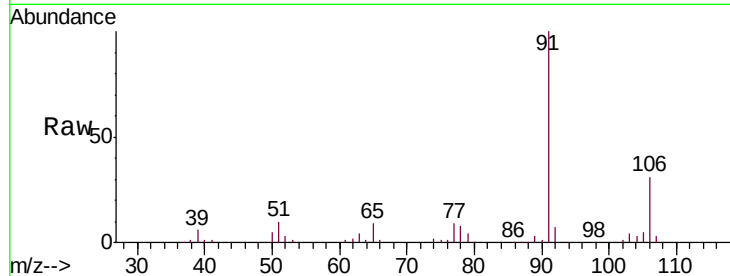
VSTD00538

Tgt Ion: 91 Resp: 139433

Ion Ratio Lower Upper

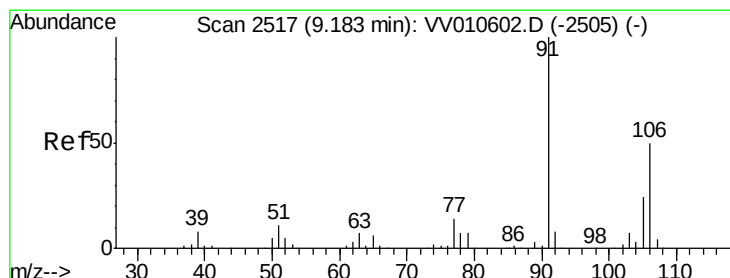
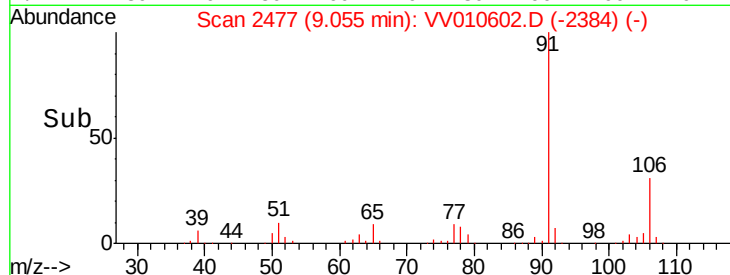
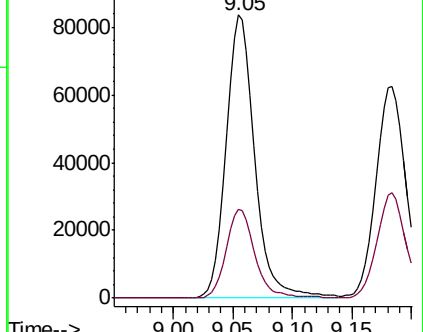
91 100

106 31.4 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV010602.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV010602.D (-2464) (-)



#53

m,p-xylene

Concen: 5.572 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010602.D

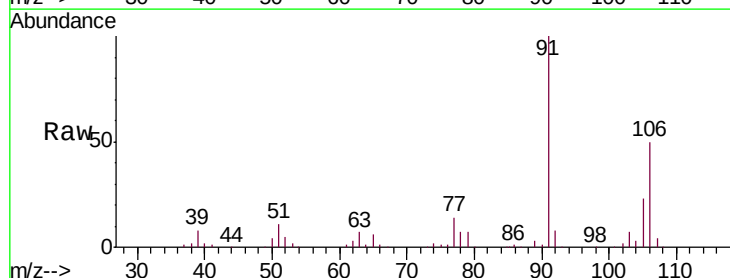
Acq: 01 May 2019 12:54

Tgt Ion: 106 Resp: 53835

Ion Ratio Lower Upper

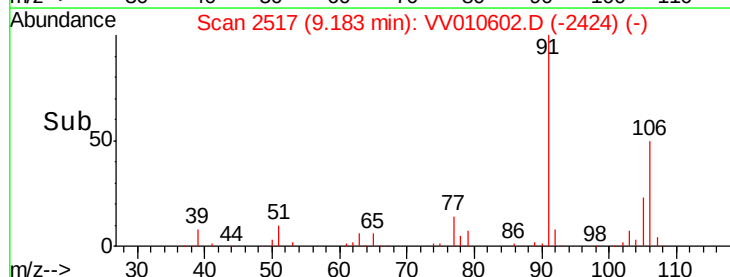
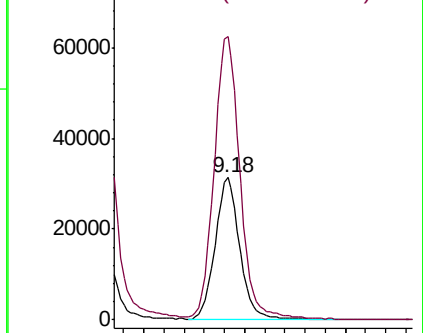
106 100

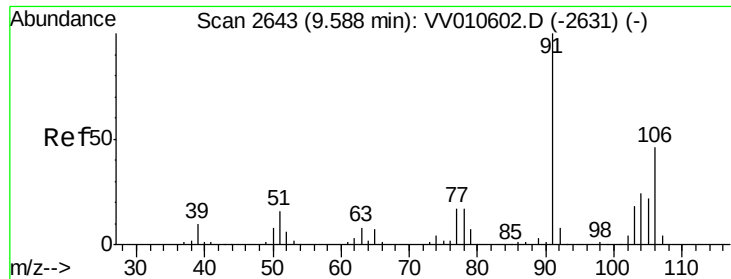
91 199.1 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV010602.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV010602.D (-2505) (-)

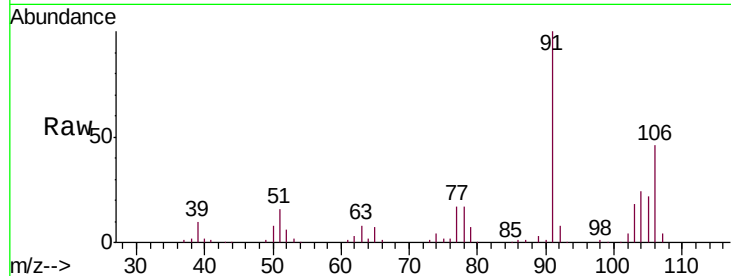




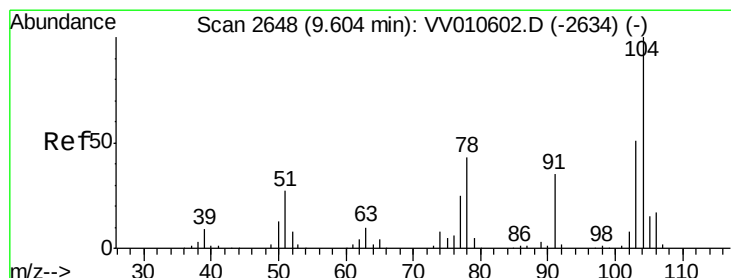
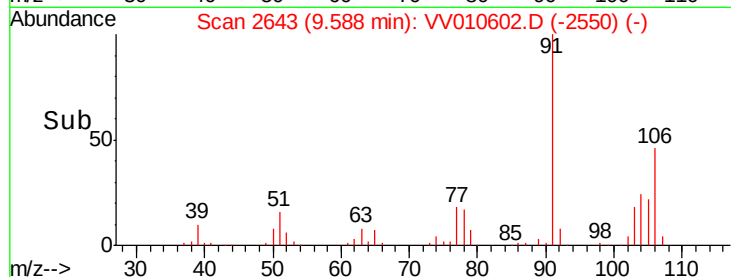
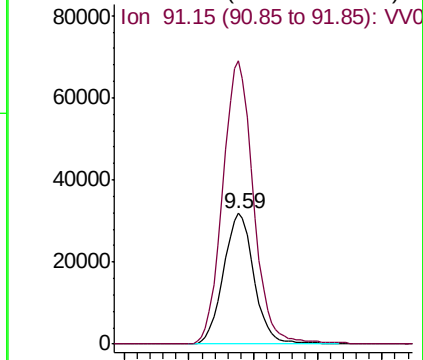
#54
o-xylene
Concen: 5.513 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00538

Tgt Ion:106 Resp: 52478
Ion Ratio Lower Upper
106 100
91 217.0 151.9 282.1

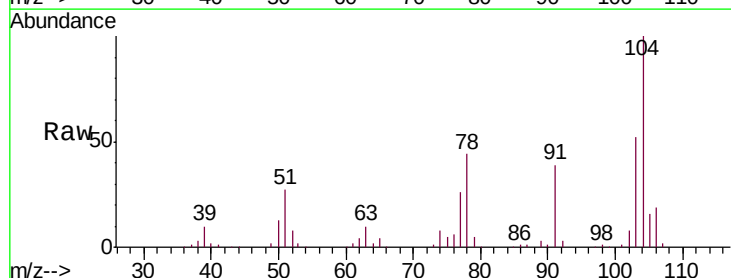


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

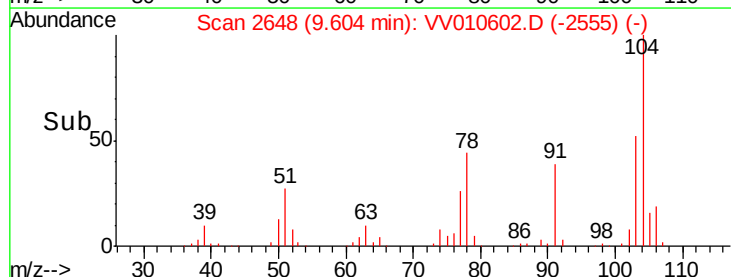
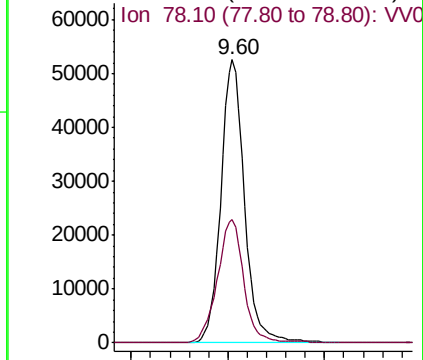


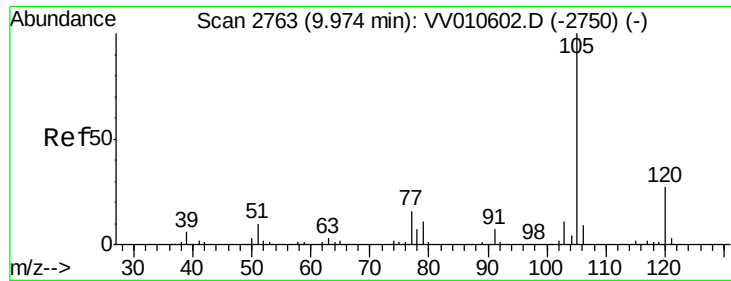
#55
Styrene
Concen: 5.733 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010602.D
Acq: 01 May 2019 12:54

Tgt Ion:104 Resp: 89204
Ion Ratio Lower Upper
104 100
78 43.6 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: 5.585 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

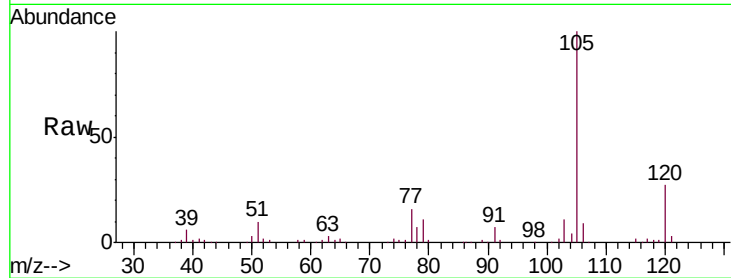
Tgt Ion: 105 Resp: 136504

Ion Ratio Lower Upper

105 100

120 27.5 22.0 33.0

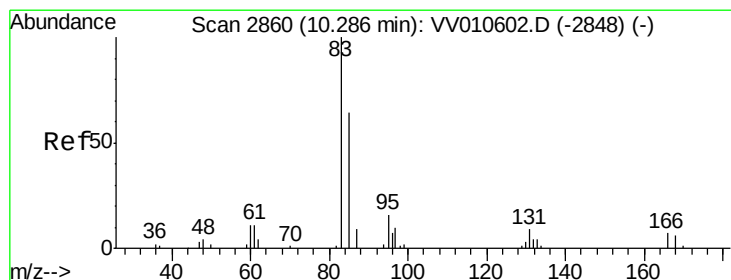
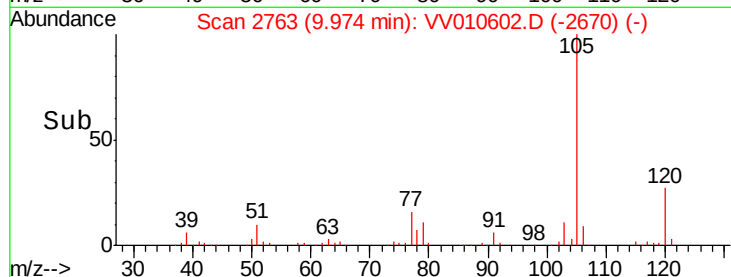
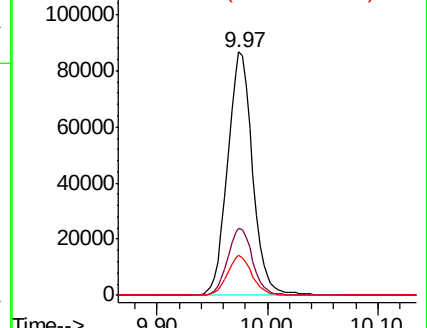
77 16.1 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): VV010602.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV010602.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV010602.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.260 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

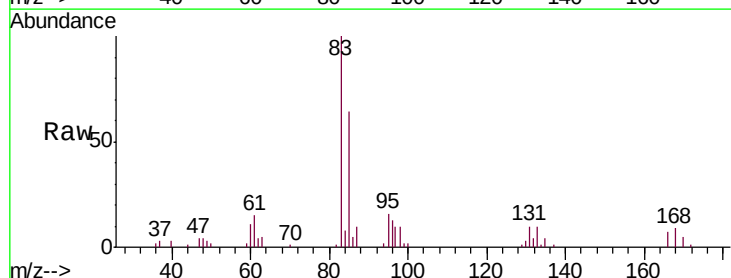
Tgt Ion: 83 Resp: 22796

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

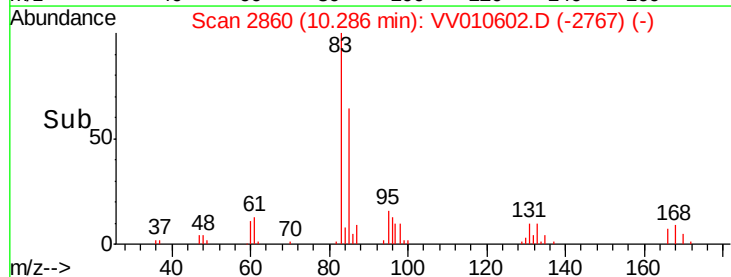
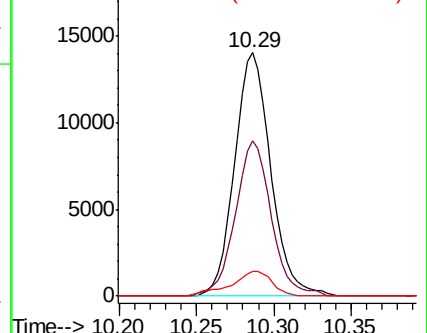
131 10.1 8.1 12.1

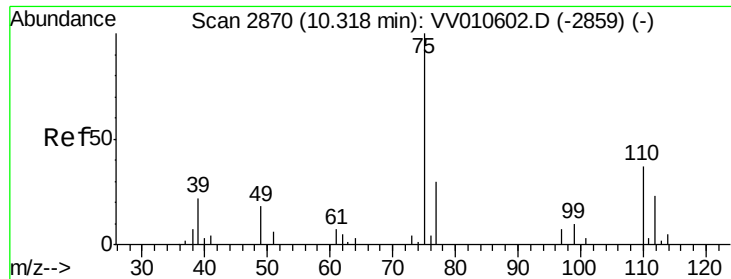


Abundance Ion 82.95 (82.65 to 83.65): VV010602.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV010602.D (-2848) (-)

Ion 130.95 (130.65 to 131.65): VV010602.D (-2848) (-)

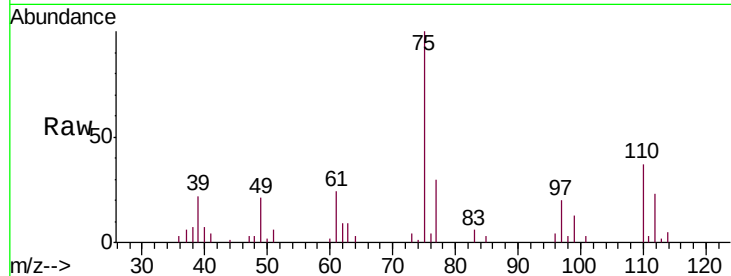




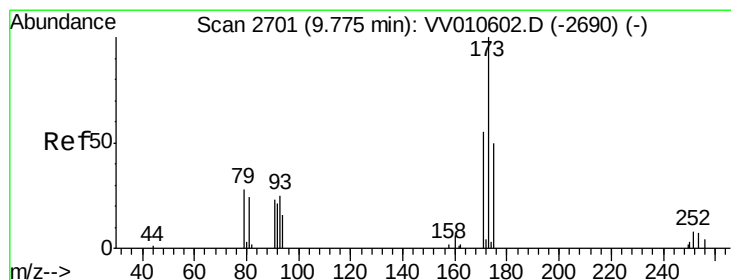
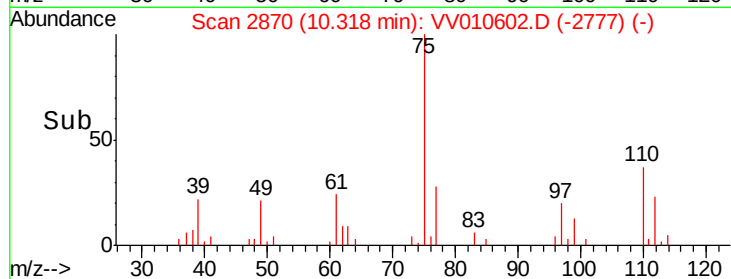
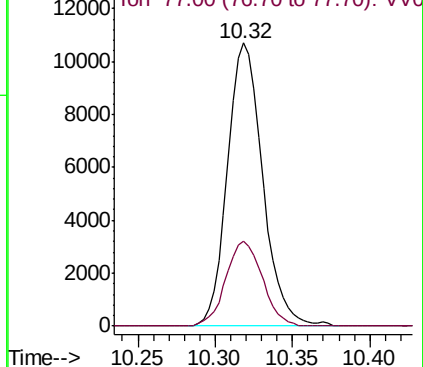
#59
 1,2,3-Trichloropropane
 Concen: 5.404 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion: 75 Resp: 16895
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2

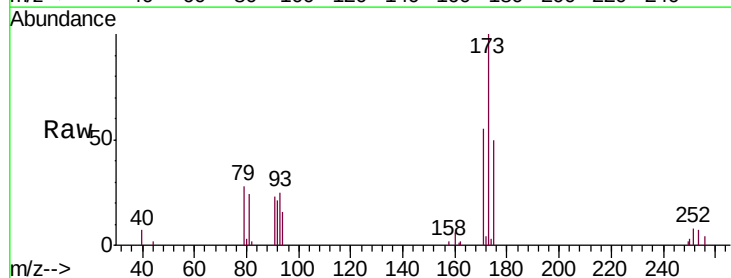


Abundance Ion 75.00 (74.70 to 75.70): VV010602.D (-2859) (-)
 Ion 77.00 (76.70 to 77.70): VV010602.D (-2859) (-)

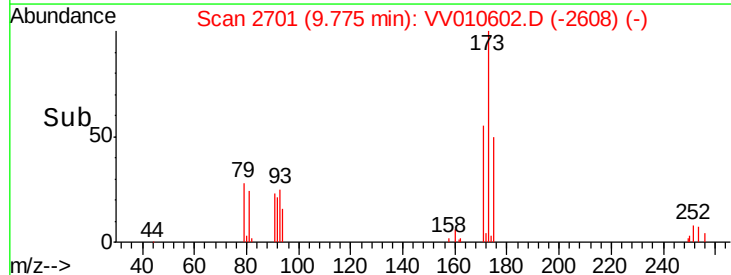
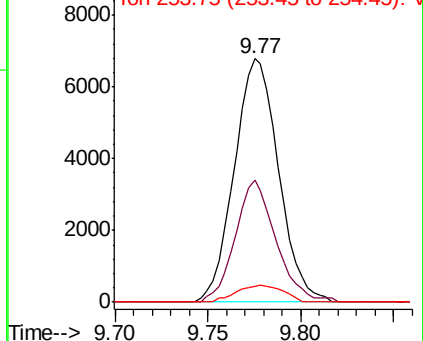


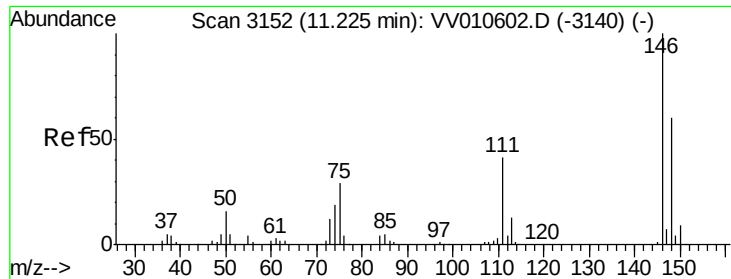
#61
 Bromoform
 Concen: 5.408 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion: 173 Resp: 11277
 Ion Ratio Lower Upper
 173 100
 175 45.9 36.7 55.1
 254 7.4 5.9 8.9



Abundance Ion 172.90 (172.60 to 173.60): VV010602.D (-2690) (-)
 Ion 174.90 (174.60 to 175.60): VV010602.D (-2690) (-)
 Ion 253.75 (253.45 to 254.45): VV010602.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 5.453 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

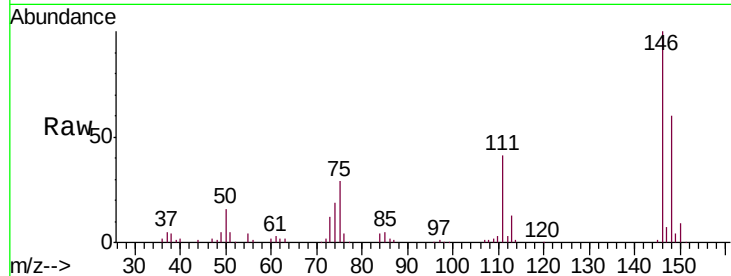
Tgt Ion:146 Resp: 61669

Ion Ratio Lower Upper

146 100

111 41.2 28.8 53.6

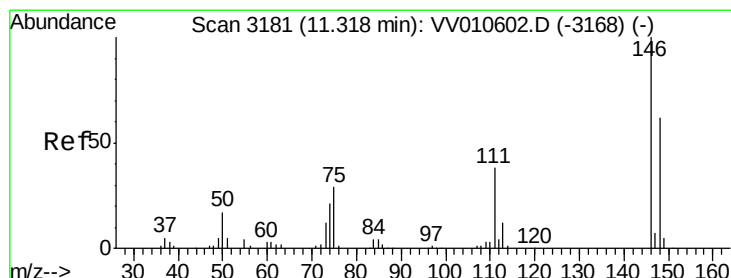
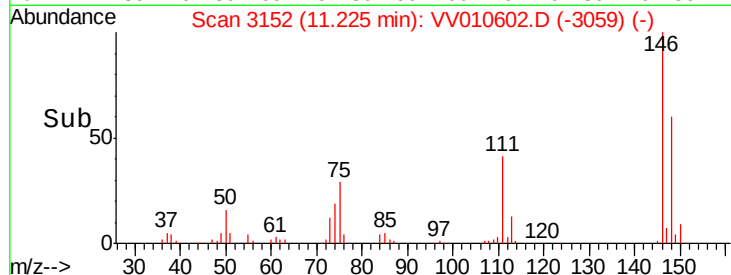
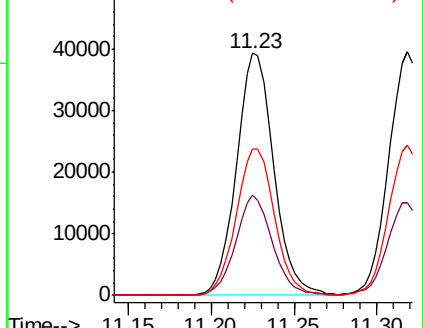
148 60.4 42.3 78.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.490 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

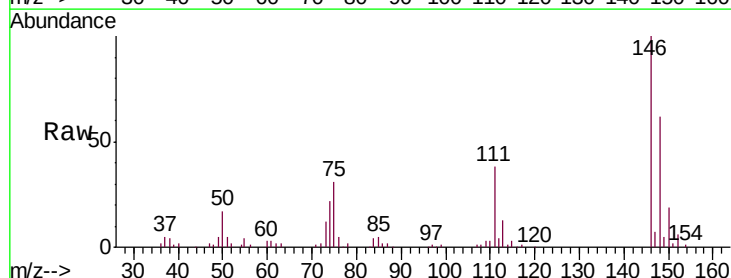
Tgt Ion:146 Resp: 62659

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

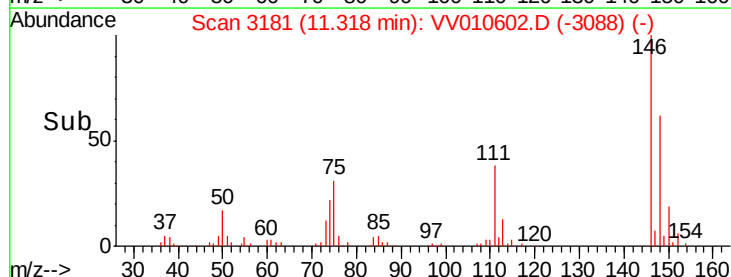
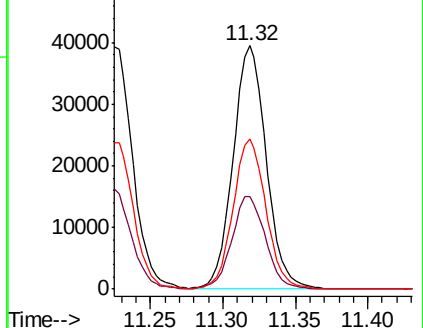
148 61.7 43.2 80.2

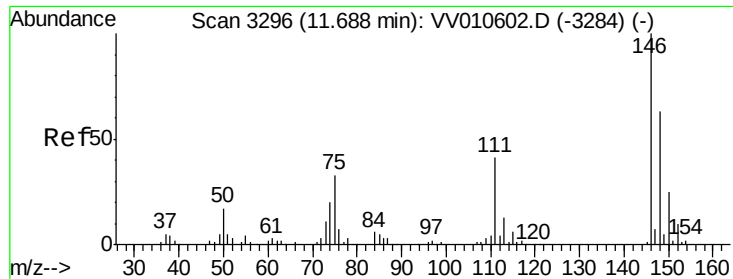


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

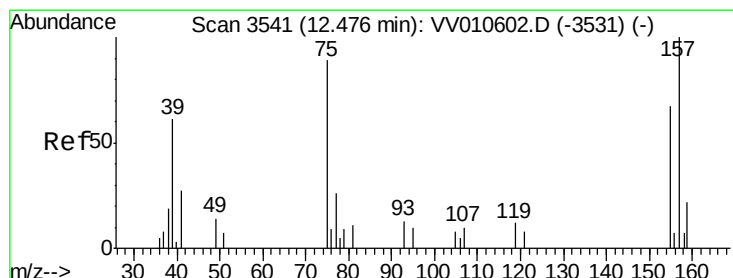
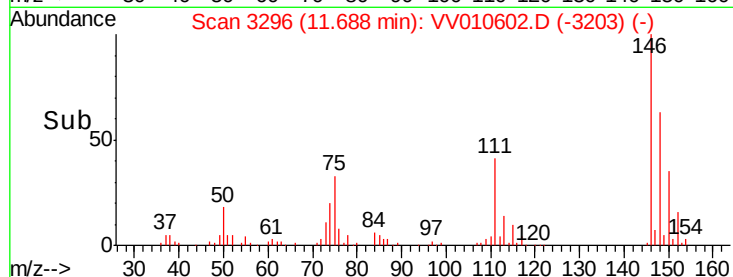
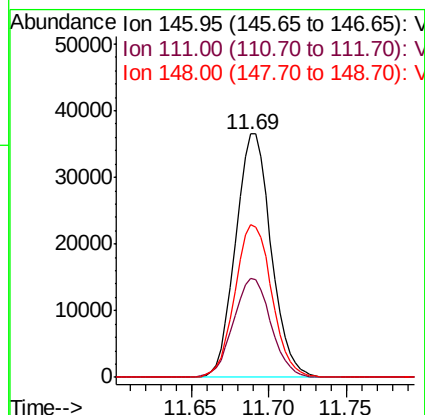
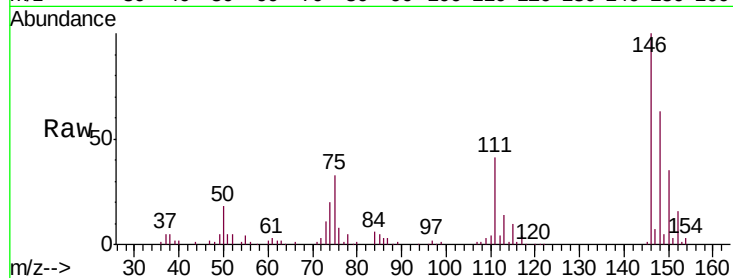




#65
 1,2-Dichlorobenzene
 Concen: 5.461 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

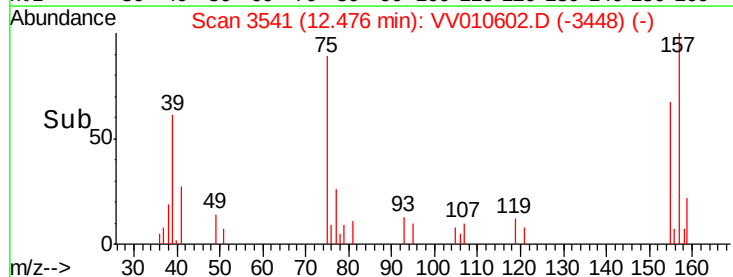
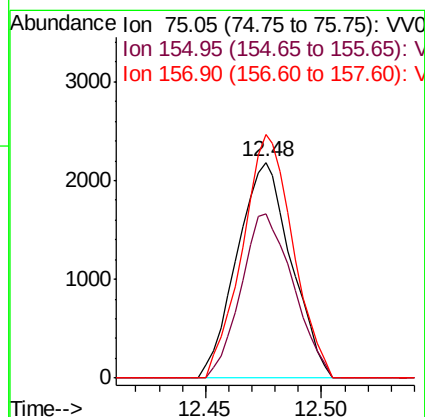
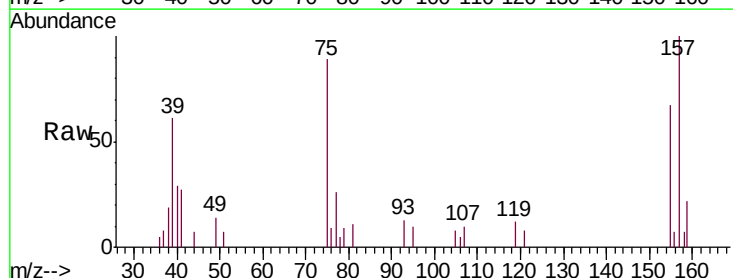
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

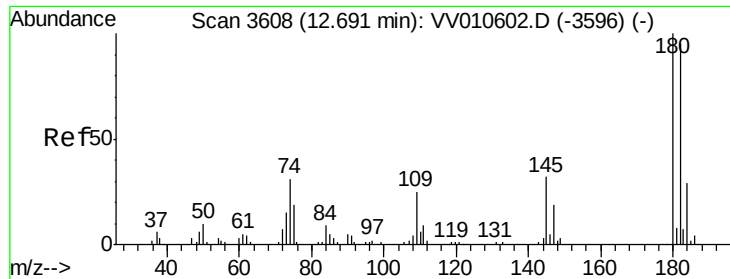
Tgt Ion: 146 Resp: 58342
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.7 49.1
 148 62.8 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.373 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion: 75 Resp: 3533
 Ion Ratio Lower Upper
 75 100
 155 76.0 60.8 91.2
 157 112.8 90.2 135.4

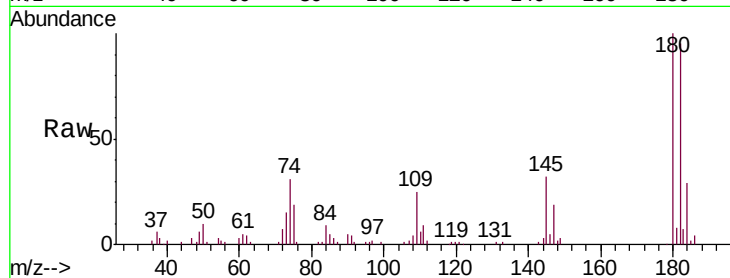




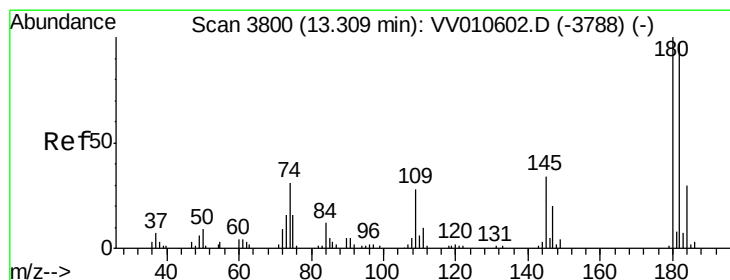
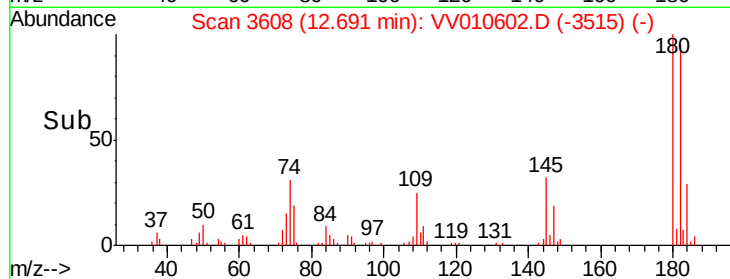
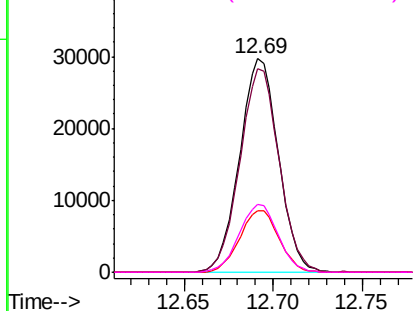
#67
 1,3,5-Trichlorobenzene
 Concen: 5.437 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00538

Tgt Ion:180 Resp: 45190
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 184 29.3 23.4 35.2
 145 31.9 25.5 38.3

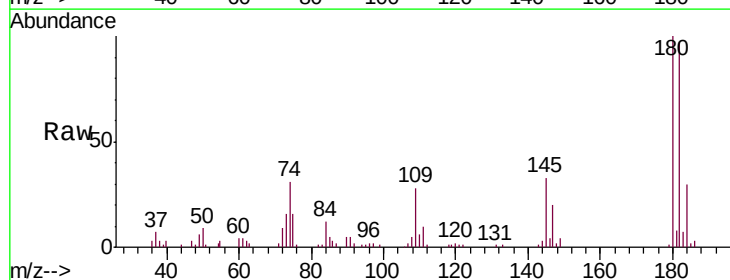


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

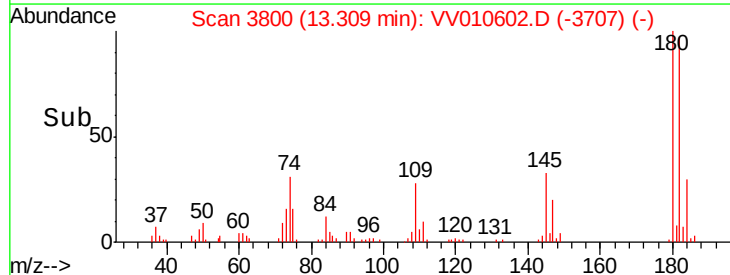
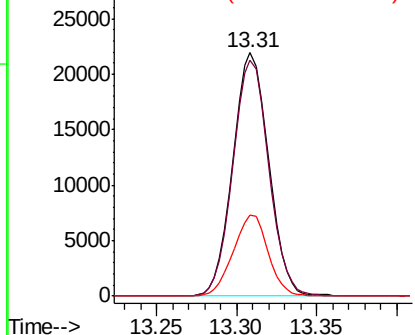


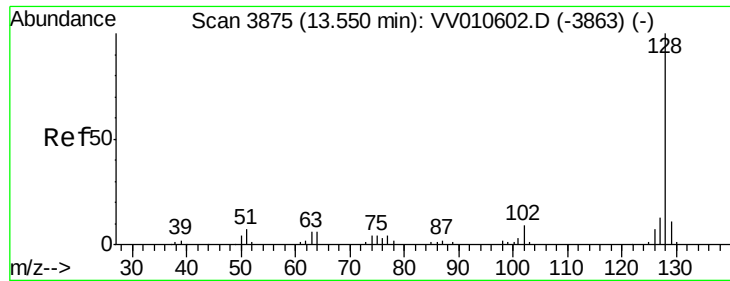
#68
 1,2,4-trichlorobenzene
 Concen: 5.256 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010602.D
 Acq: 01 May 2019 12:54

Tgt Ion:180 Resp: 33382
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.7 116.5
 145 32.5 26.0 39.0



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





#69

Naphthalene

Concen: 5.209 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00538

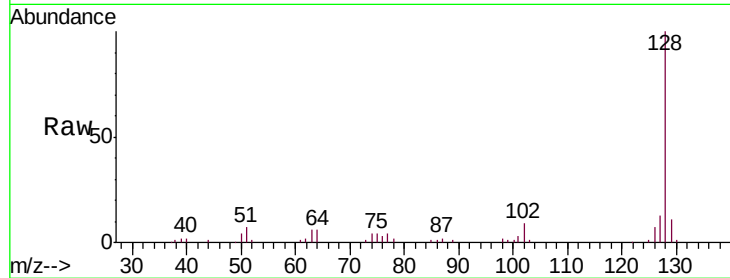
Tgt Ion:128 Resp: 53101

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

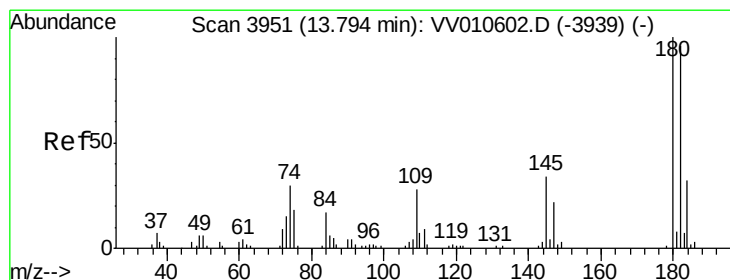
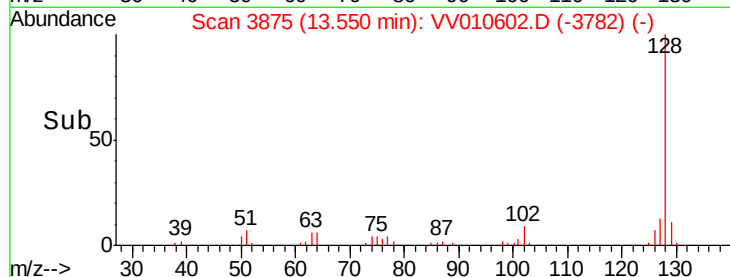
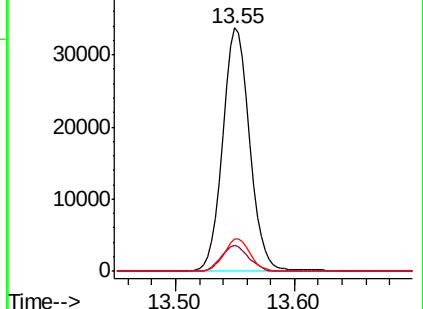
127 12.9 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.448 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010602.D

Acq: 01 May 2019 12:54

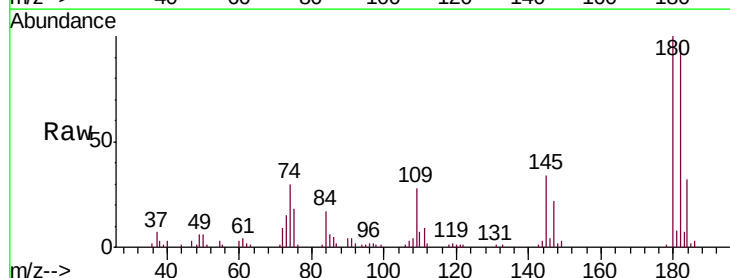
Tgt Ion:180 Resp: 31738

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.8 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

