

Data File : VV010061.D
Acq On : 02 Apr 2019 14:31
Operator : SY/MD
Sample : VSTD10065
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Apr 02 15:13:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 14:35:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	318863	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	309552	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	163690	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	383323	87.53	ug/L	0.00
7) Chloroethane-d5	1.57	69	419754	108.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	1003540	91.34	ug/L	0.00
20) 2-Butanone-d5	3.94	46	258255	217.34	ug/L	0.00
24) Chloroform-d	4.40	84	807694	105.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	460612	98.05	ug/L	0.00
29) Benzene-d6	5.10	84	1580182	99.03	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	470774	103.46	ug/L	0.00
37) Toluene-d8	7.36	98	1571556	100.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	230378	117.52	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	207152	229.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	479242	102.04	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	618825	94.86	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	394633	80.357	ug/L	99
3) Chloromethane	1.25	50	359464	83.775	ug/L	98
5) Vinyl chloride	1.32	62	393124	83.756	ug/L	100
6) Bromomethane	1.53	94	434732	103.937	ug/L	99
8) Chloroethane	1.59	64	332717	107.098	ug/L	98
9) Trichlorofluoromethane	1.76	101	830899	86.009	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	477156	87.269	ug/L	98
12) 1,1-Dichloroethene	2.14	96	408134	86.598	ug/L	97
13) Acetone	2.20	43	200223	142.394	ug/L	99
14) Carbon disulfide	2.32	76	859629	90.806	ug/L	98
15) Methyl Acetate	2.46	43	189564	92.900	ug/L	97
16) Methylene chloride	2.53	84	384386	68.992	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	979521	100.768	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	355570	90.661	ug/L	99
19) 1,1-Dichloroethane	3.23	63	629088	91.187	ug/L	100
21) 2-Butanone	4.02	43	265728	198.780	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	418471	95.209	ug/L	99
23) Bromochloromethane	4.30	128	208544	96.005	ug/L	93
25) Chloroform	4.43	83	717097	88.733	ug/L	99
27) 1,2-Dichloroethane	5.18	62	496314	96.687	ug/L	98
30) Cyclohexane	4.72	56	526928	93.180	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	620253	98.074	ug/L	98
32) Carbon tetrachloride	4.88	117	572598	99.414	ug/L	98
34) Benzene	5.15	78	1473377	95.042	ug/L	100
35) Trichloroethene	5.96	95	412561	93.046	ug/L	98
36) Methylcyclohexane	6.18	83	610945	89.574	ug/L	98
40) 1,2-Dichloropropane	6.22	63	375210	98.915	ug/L	100
41) Bromodichloromethane	6.55	83	534052	105.646	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	621497	107.101	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	575540	198.532	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1688939	96.126	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	546362	113.228	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	344249	100.189	ug/L	100
47) Tetrachloroethene	8.02	164	352770	93.728	ug/L	95
49) 2-Hexanone	8.19	43	432742	225.090	ug/L	99
50) Dibromochloromethane	8.29	129	444749	111.923	ug/L	96
51) 1,2-Dibromoethane	8.40	107	352114	102.224	ug/L	100
52) Chlorobenzene	8.93	112	1144857	94.637	ug/L	98
53) Ethylbenzene	9.05	91	1865934	96.114	ug/L	100
54) m,p-Xylene	9.18	106	732245	94.072	ug/L	96
55) o-xylene	9.59	106	723045	98.201	ug/L	96
56) Styrene	9.60	104	1241628	100.779	ug/L	100
57) Isopropylbenzene	9.97	105	1896092	96.658	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	439397	98.853	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	311692	95.564	ug/L	100
62) Bromoform	9.78	173	272281	119.075	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	937537	94.963	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	948605	91.377	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	905801	92.959	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	70701	112.548	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	718453	98.675	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	608798	114.643	ug/L	98
69) Naphthalene	13.55	128	1232386	147.619	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	590651	118.704	ug/L	99

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

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Operator : SY/MD

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Misc : 5.00G/10mL/MSV0A V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

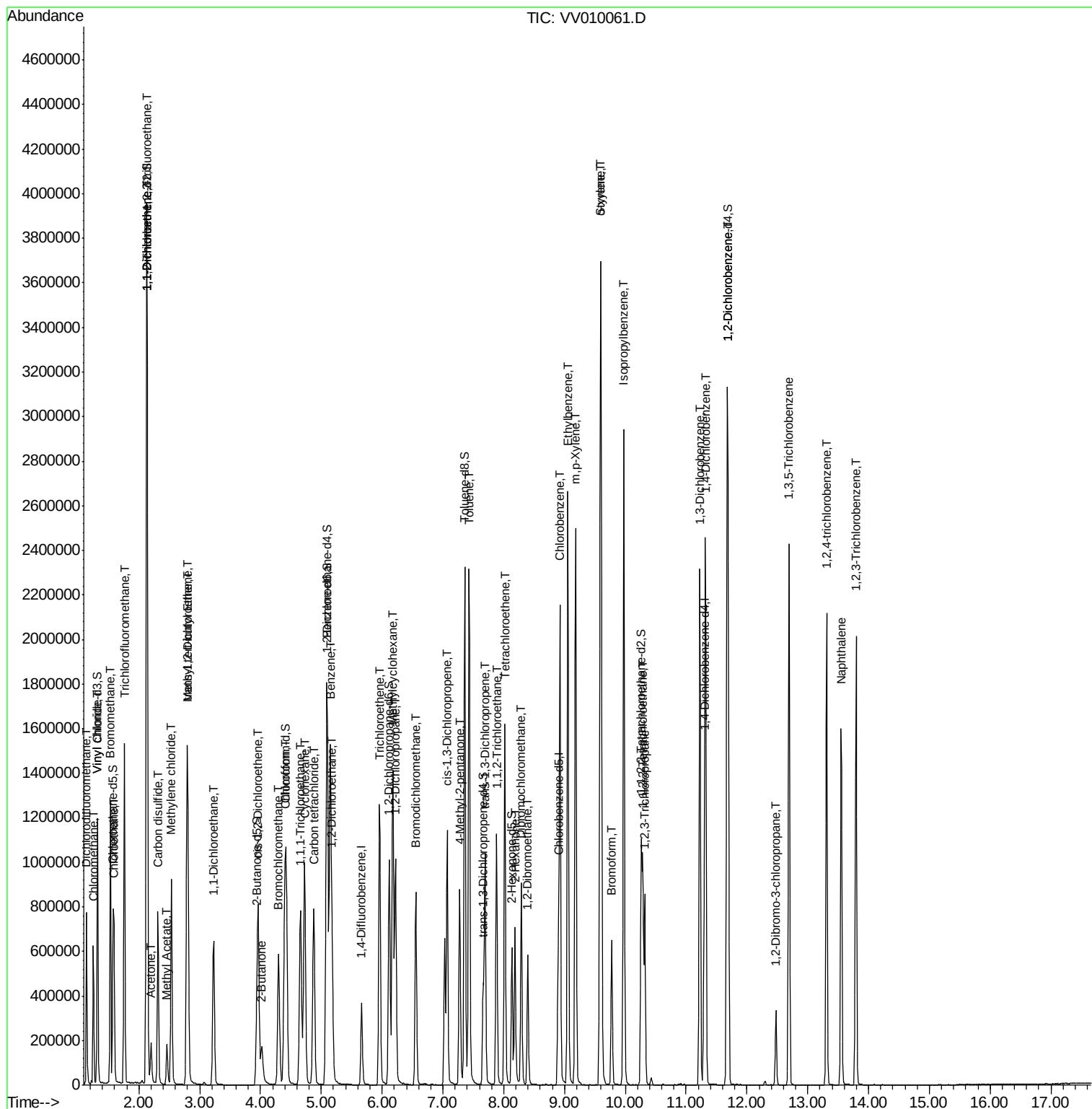
Quant Time: Apr 02 15:13:23 2019

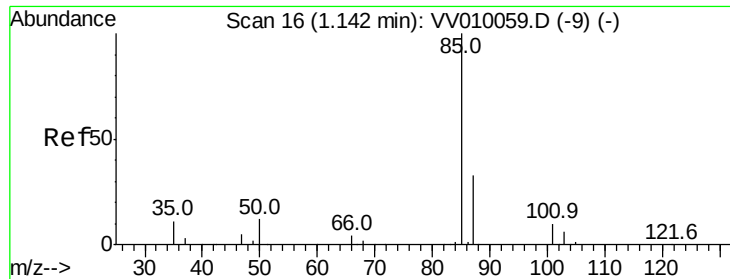
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM040219S.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 80.357 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

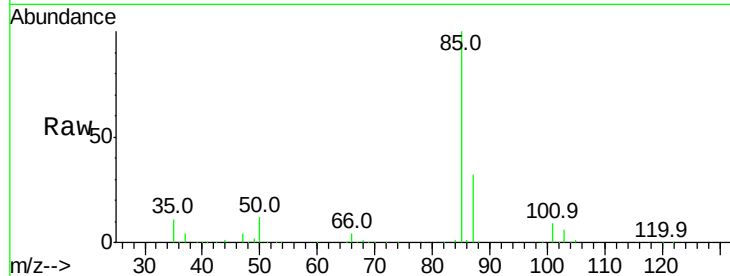
VSTD10065

Tgt Ion: 85 Resp: 394633

Ion Ratio Lower Upper

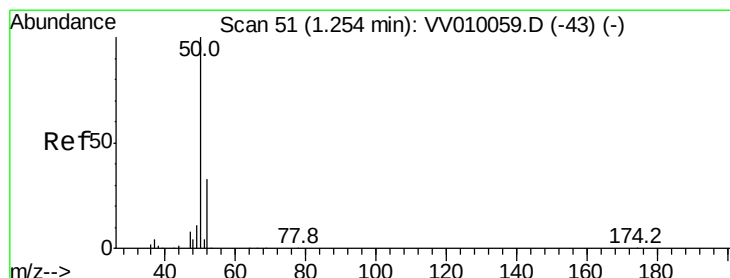
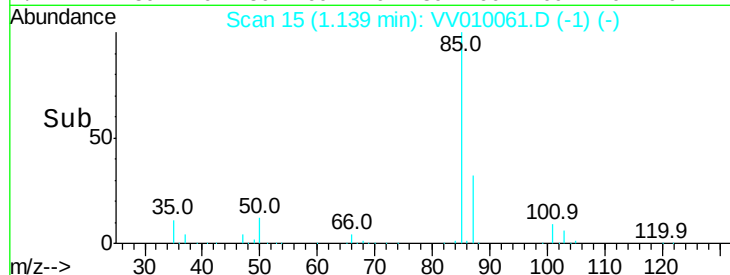
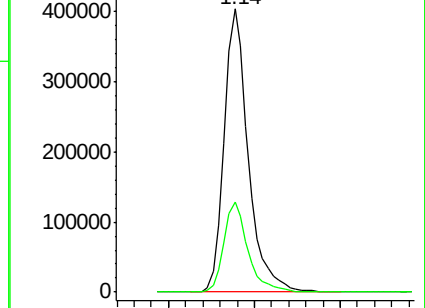
85 100

87 31.6 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 83.775 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010061.D

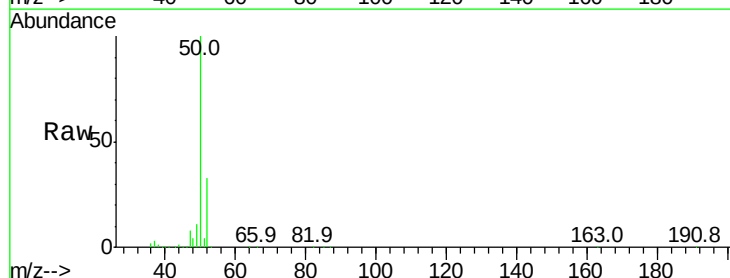
Acq: 02 Apr 2019 14:31

Tgt Ion: 50 Resp: 359464

Ion Ratio Lower Upper

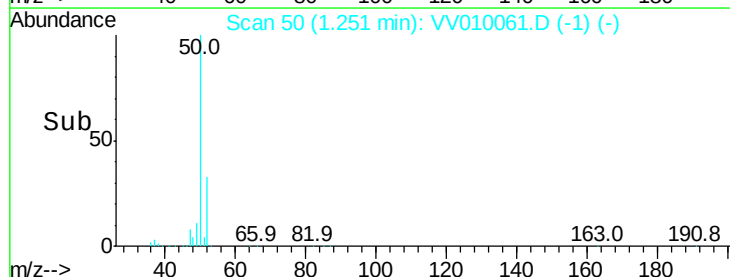
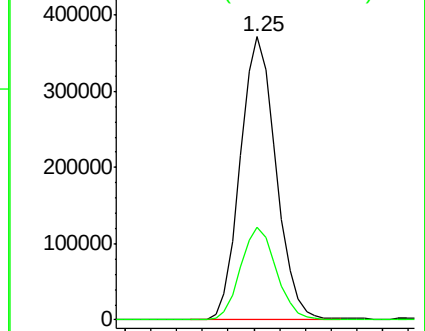
50 100

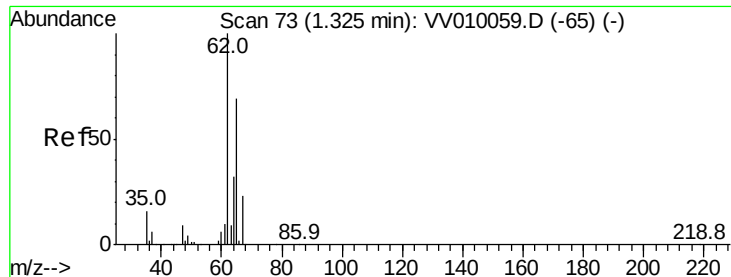
52 32.5 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 83.756 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

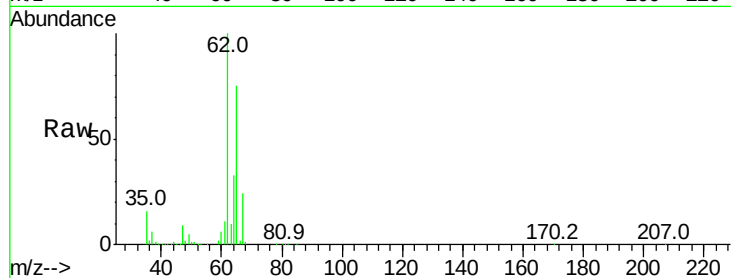
VSTD10065

Tgt Ion: 62 Resp: 393124

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

400000

300000

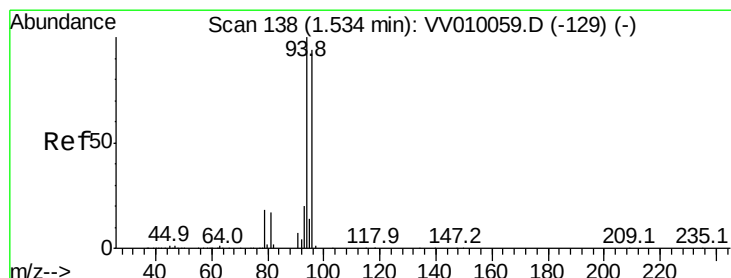
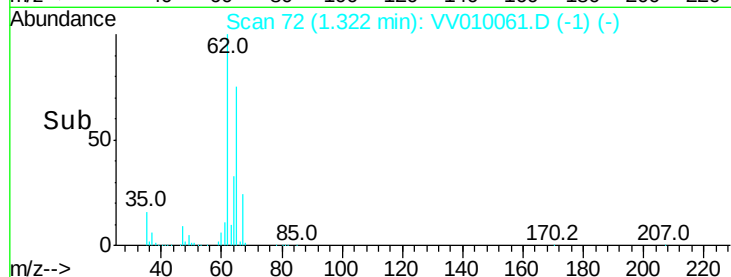
200000

100000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 103.937 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010061.D

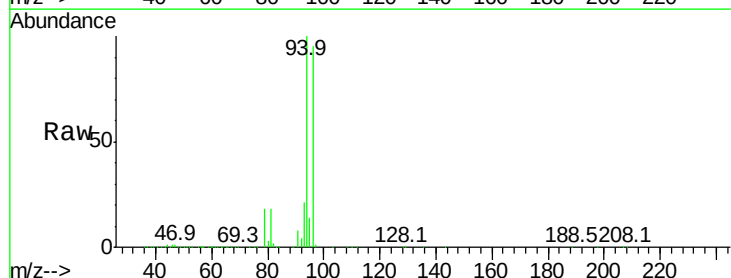
Acq: 02 Apr 2019 14:31

Tgt Ion: 94 Resp: 434732

Ion Ratio Lower Upper

94 100

96 94.3 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

500000

400000

300000

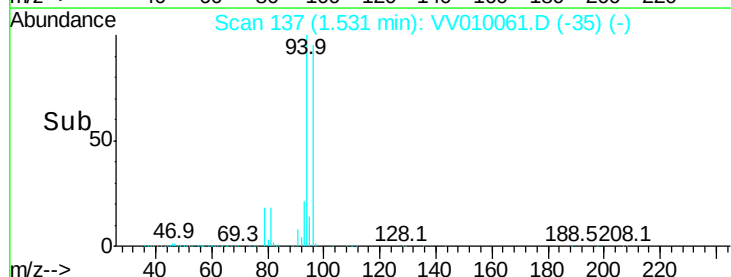
200000

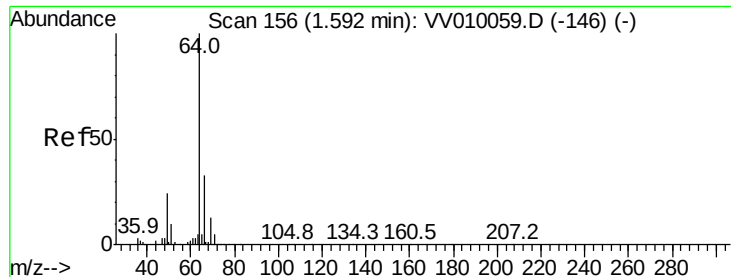
100000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 107.098 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

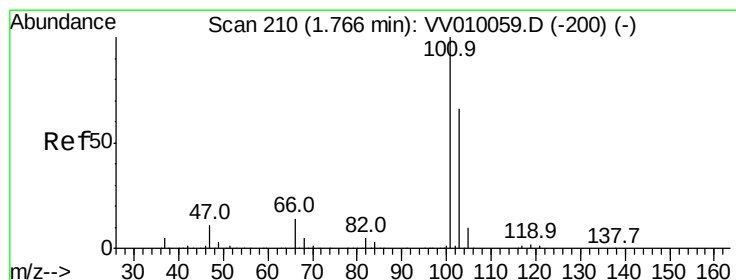
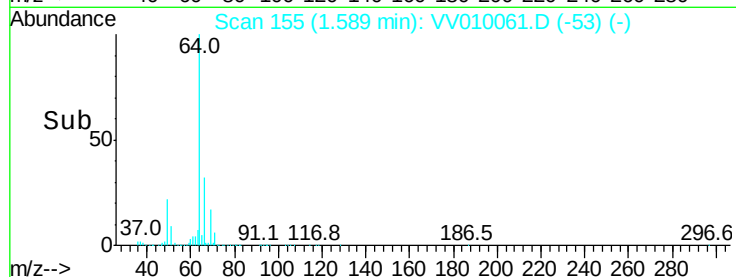
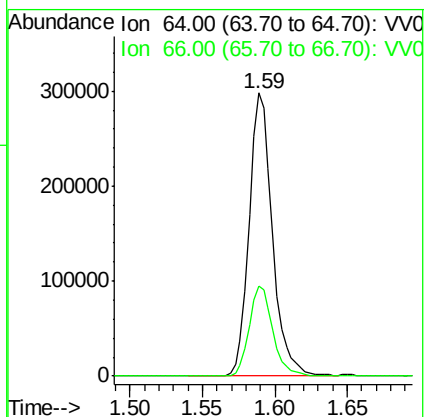
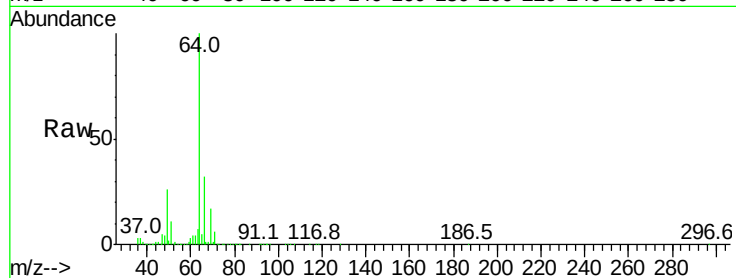
VSTD10065

Tgt Ion: 64 Resp: 332717

Ion Ratio Lower Upper

64 100

66 31.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 86.009 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010061.D

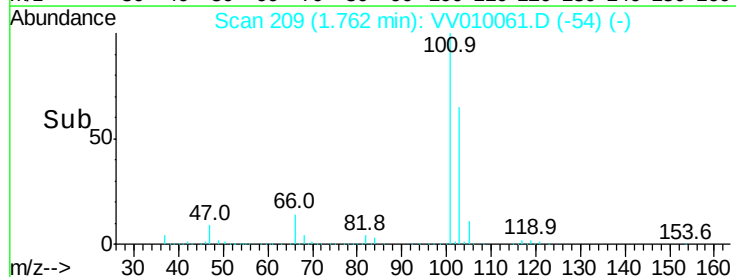
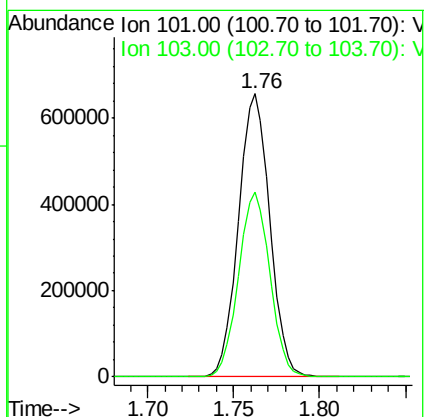
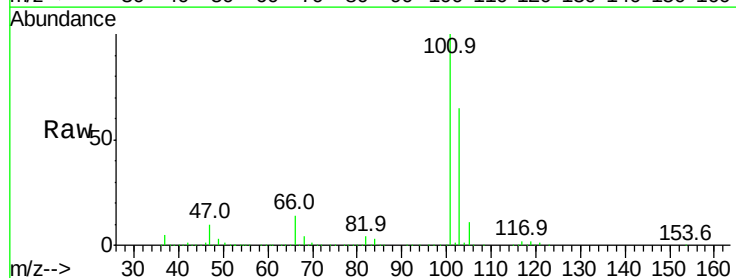
Acq: 02 Apr 2019 14:31

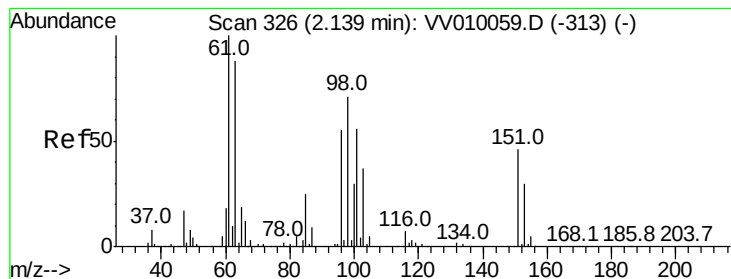
Tgt Ion: 101 Resp: 830899

Ion Ratio Lower Upper

101 100

103 65.5 46.1 85.5





#11

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

Concen: 87.269 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

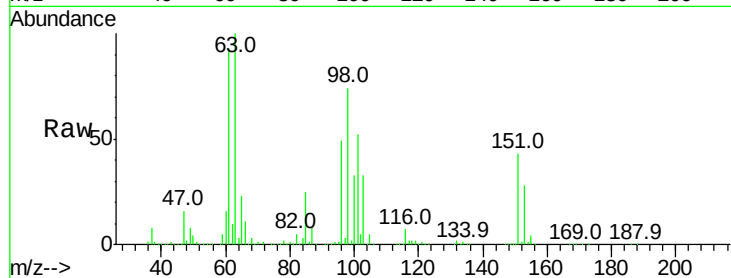
Tgt Ion: 101 Resp: 477156

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

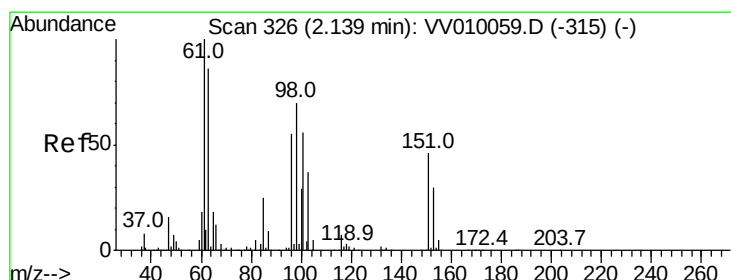
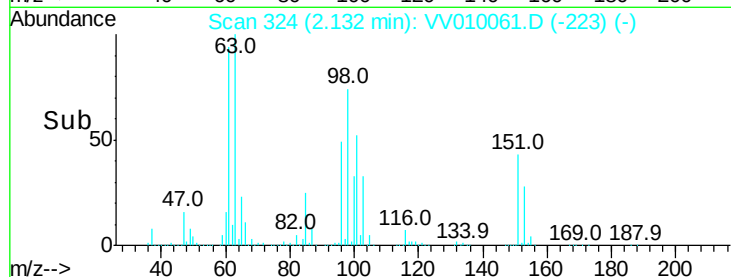
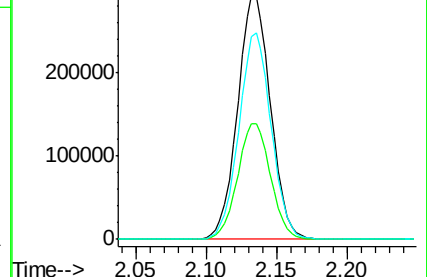
151 83.4 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV010059.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010059.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010059.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 86.598 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

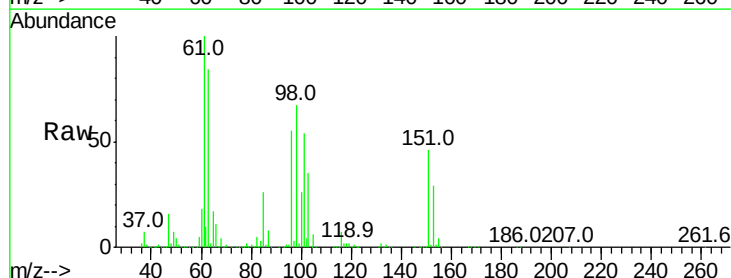
Tgt Ion: 96 Resp: 408134

Ion Ratio Lower Upper

96 100

61 182.8 127.8 237.4

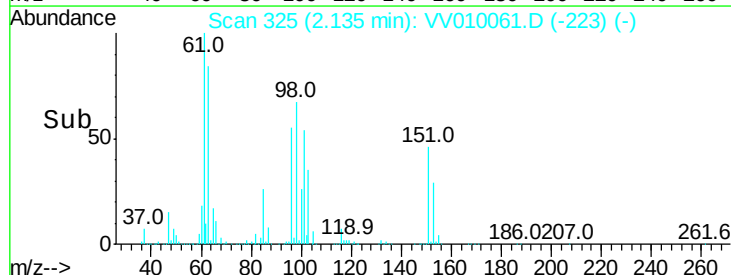
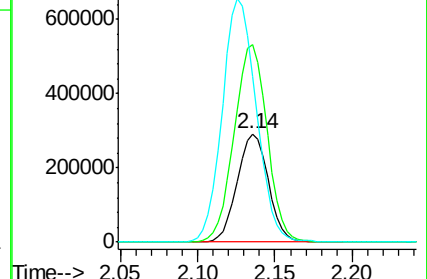
63 152.9 112.6 209.2

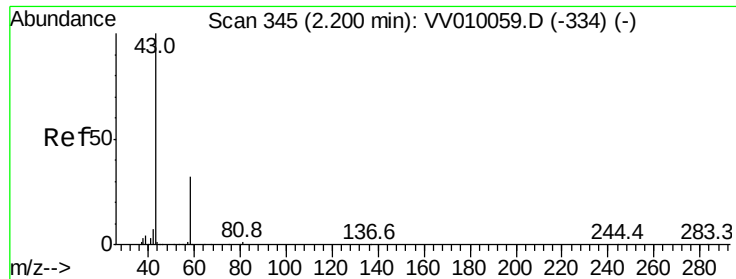


Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV010059.D (-315) (-)





#13

Acetone

Concen: 142.394 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

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ClientSampleId :

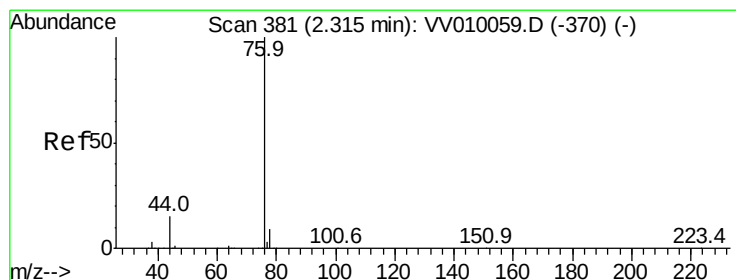
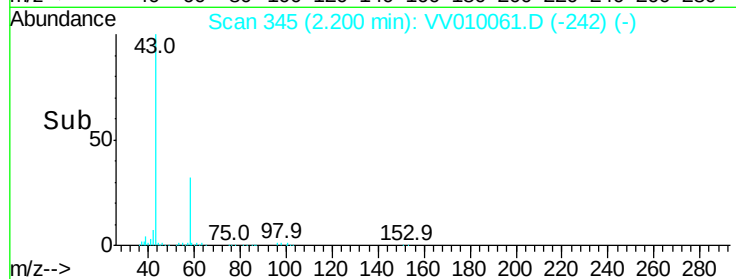
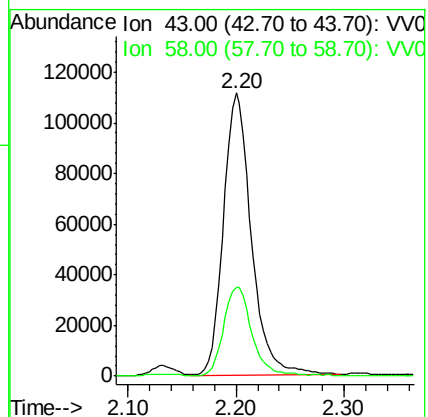
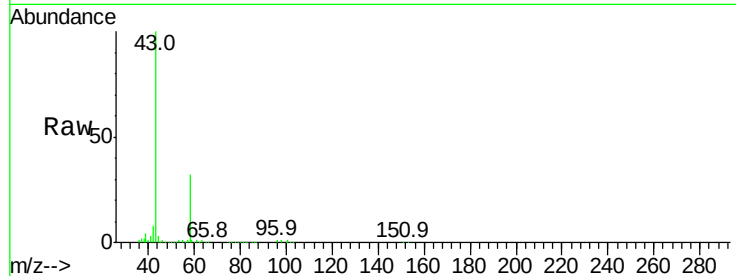
VSTD10065

Tgt Ion: 43 Resp: 200223

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.6



#14

Carbon disulfide

Concen: 90.806 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010061.D

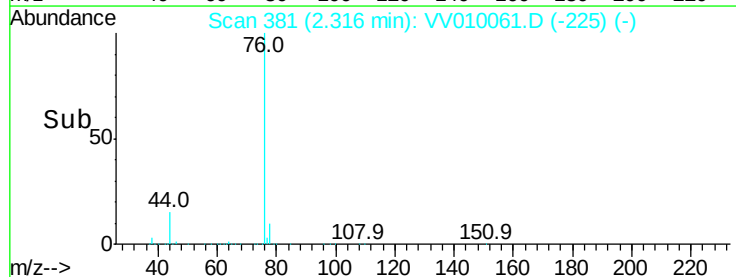
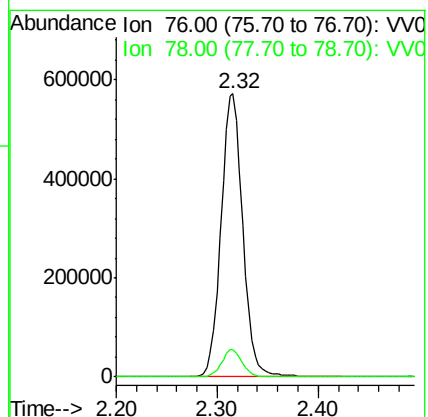
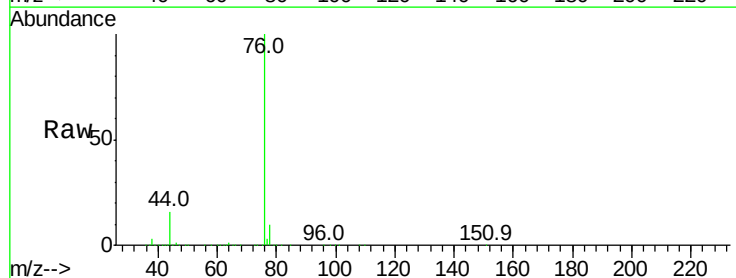
Acq: 02 Apr 2019 14:31

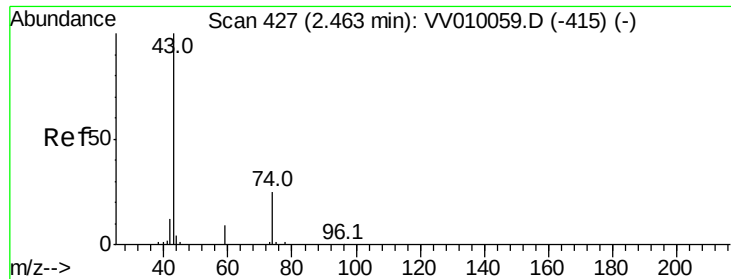
Tgt Ion: 76 Resp: 859629

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

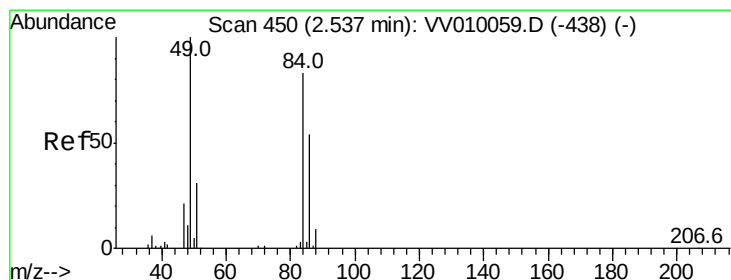
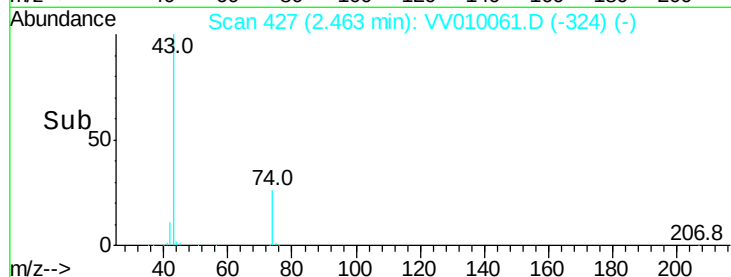
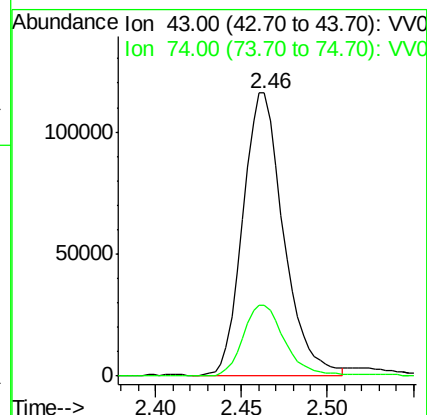
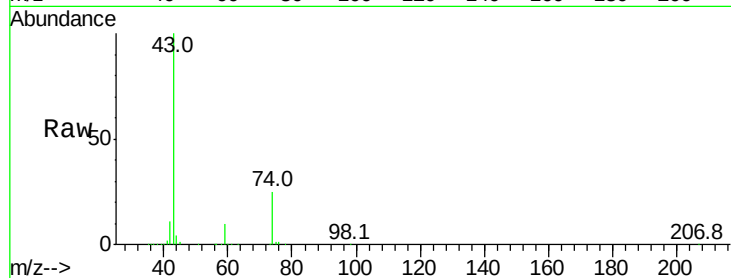




#15
Methyl Acetate
Concen: 92.900 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

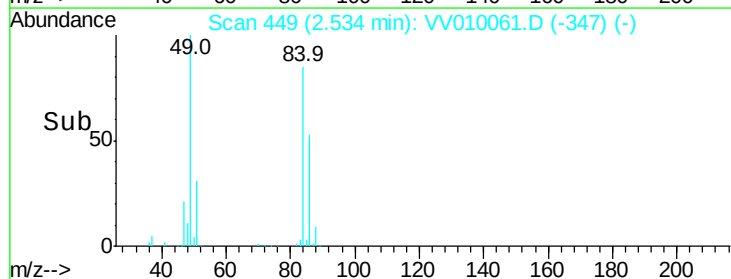
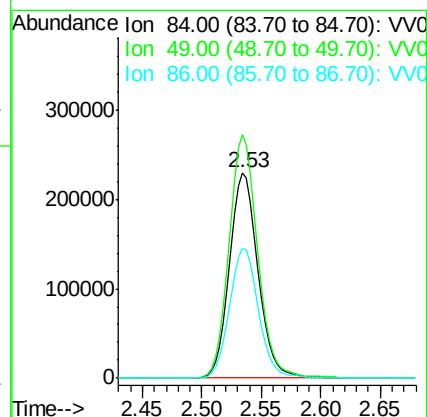
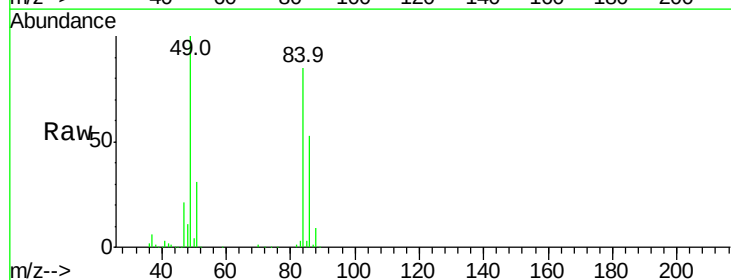
Instrument :
MSVOA_V
ClientSampled :
VSTD10065

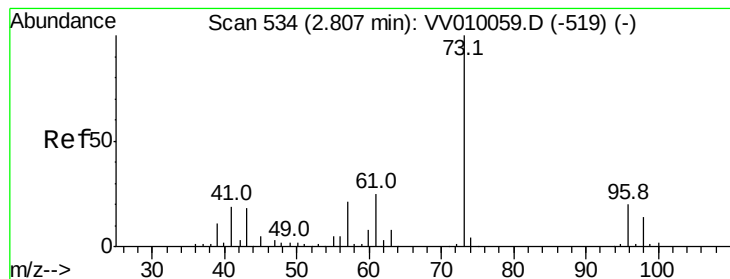
Tgt Ion: 43 Resp: 189564
Ion Ratio Lower Upper
43 100
74 26.3 20.0 30.0



#16
Methylene chloride
Concen: 68.992 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

Tgt Ion: 84 Resp: 384386
Ion Ratio Lower Upper
84 100
49 118.3 84.3 156.5
86 63.2 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 100.768 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

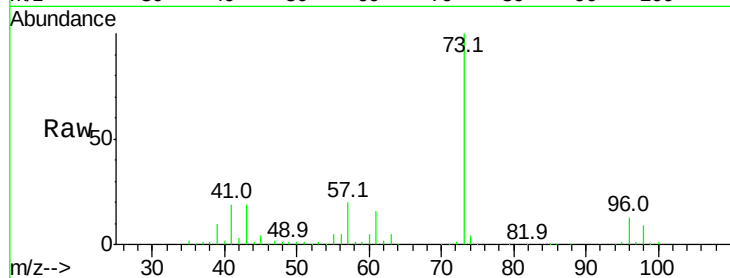
Tgt Ion: 73 Resp: 979521

Ion Ratio Lower Upper

73 100

43 19.0 15.5 23.3

57 20.5 16.8 25.2

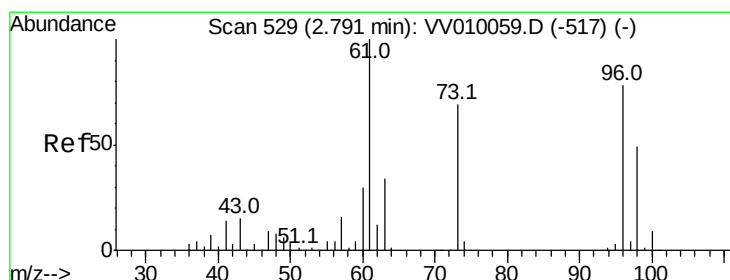
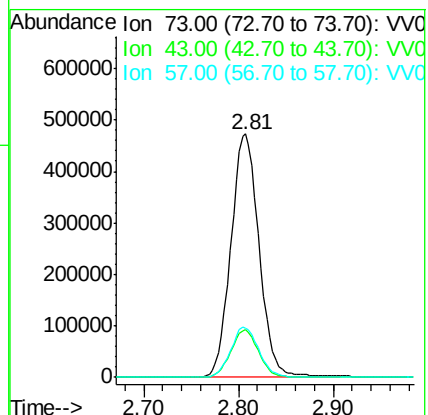
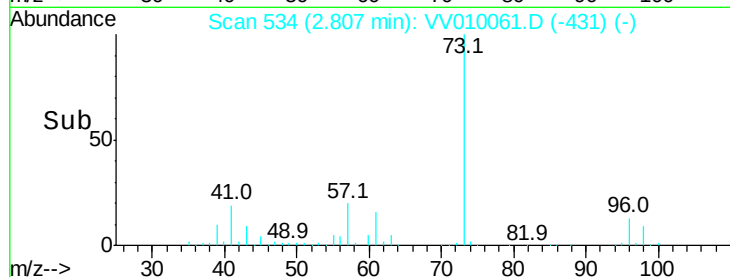


Abundance Ion 73.00 (72.70 to 73.70): VV010059.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV010059.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV010059.D (-519) (-)

Time-->



#18

trans-1,2-Dichloroethene

Concen: 90.661 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

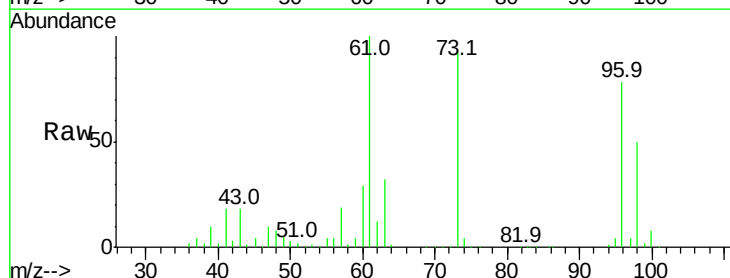
Tgt Ion: 96 Resp: 355570

Ion Ratio Lower Upper

96 100

61 128.0 90.0 167.2

98 64.0 44.2 82.2

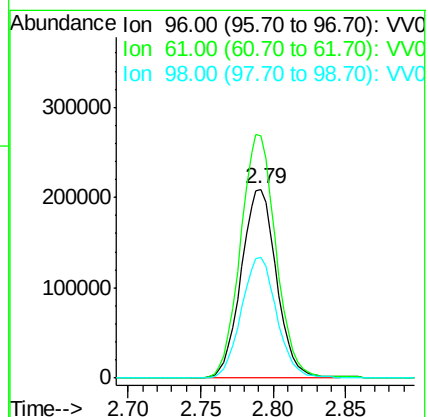
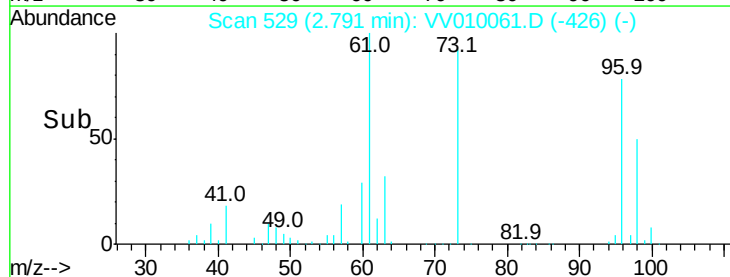


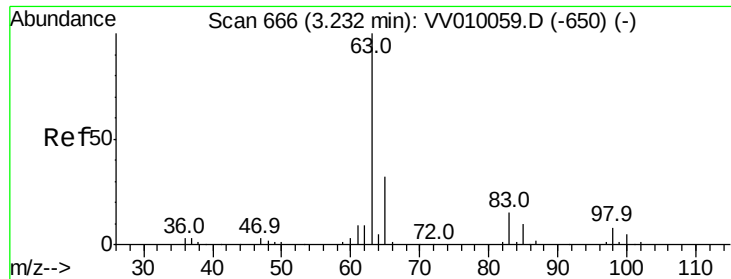
Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV010059.D (-517) (-)

Time-->

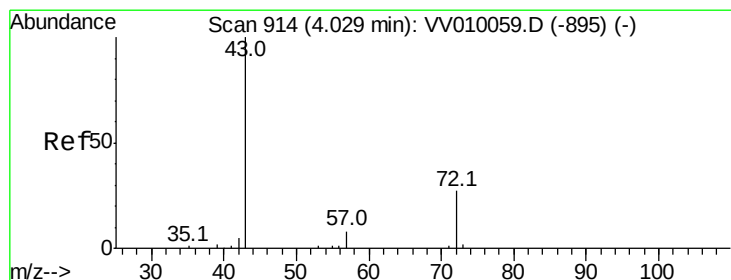
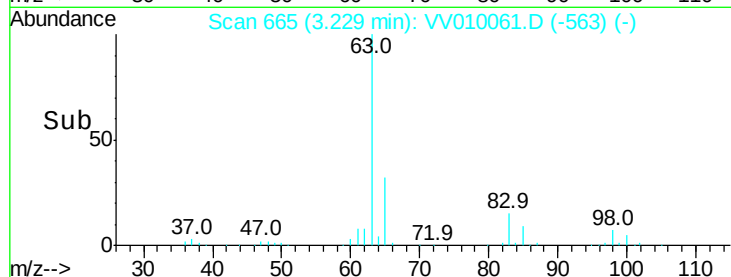
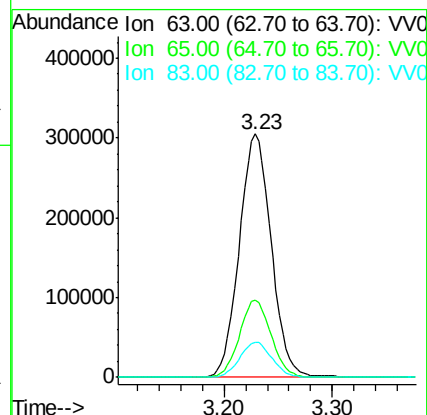
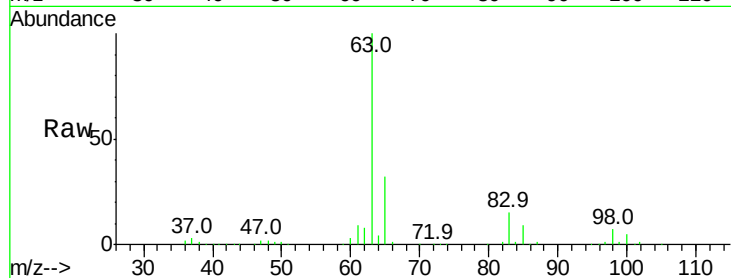




#19
 1,1-Dichloroethane
 Concen: 91.187 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

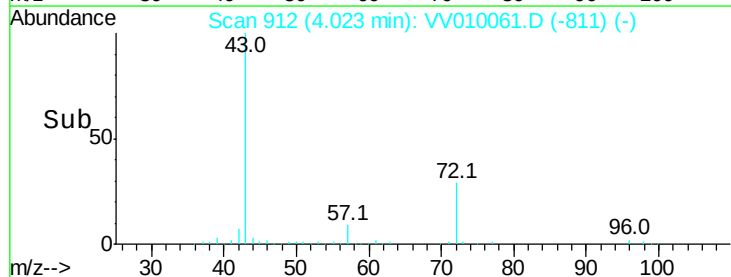
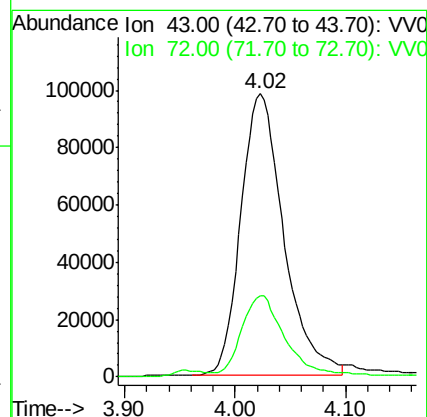
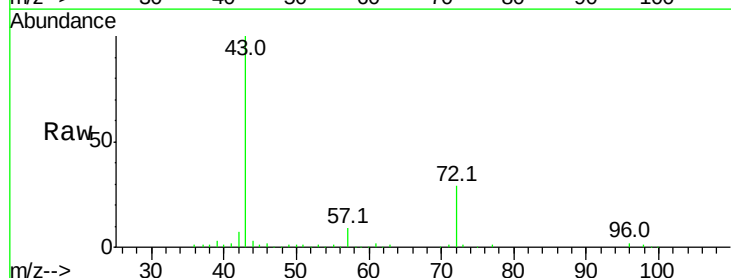
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

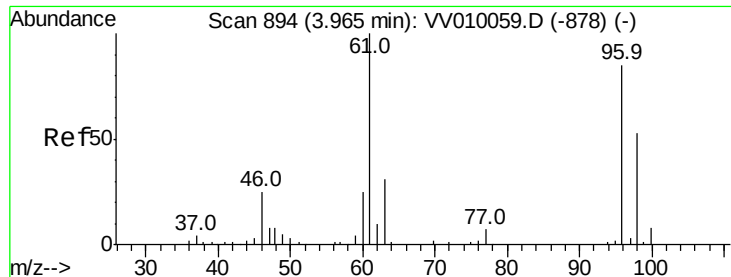
Tgt Ion: 63 Resp: 629088
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 14.6 10.4 19.4



#21
 2-Butanone
 Concen: 198.780 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion: 43 Resp: 265728
 Ion Ratio Lower Upper
 43 100
 72 26.7 12.8 38.4



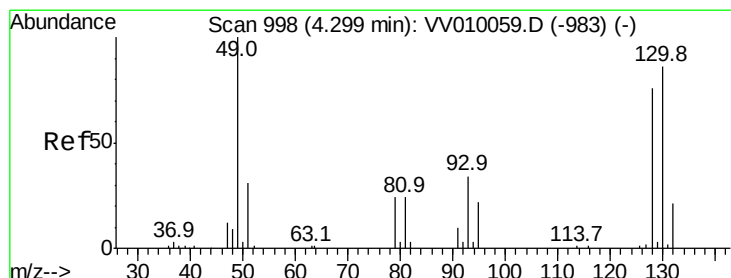
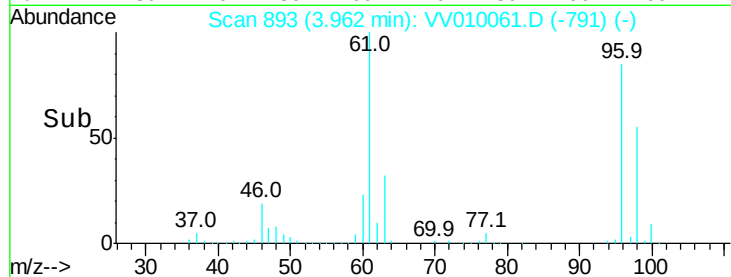
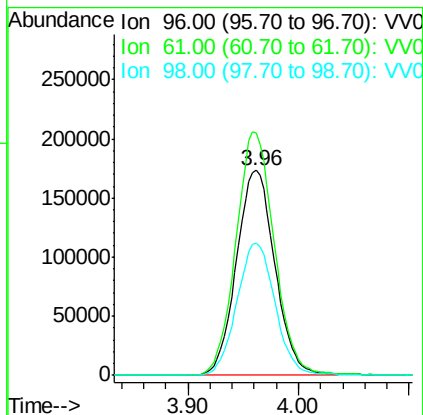
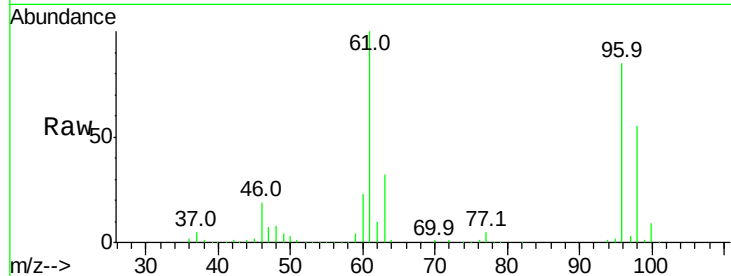


#22

cis-1,2-Dichloroethene
 Concen: 95.209 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10065

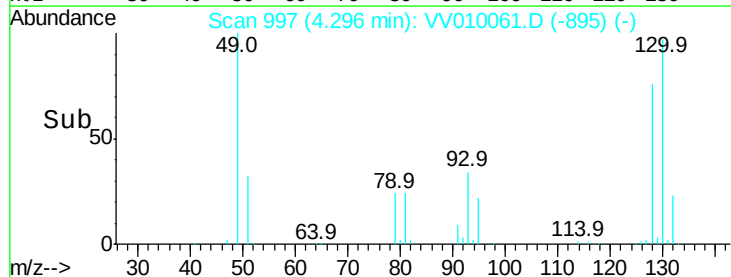
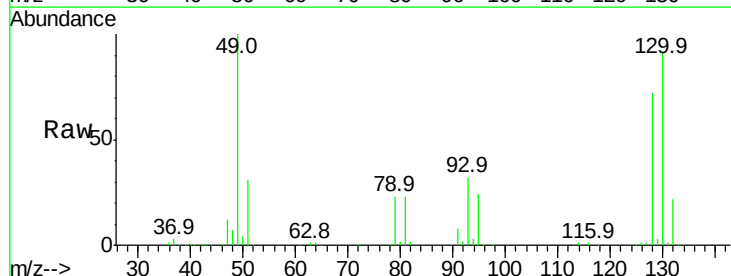
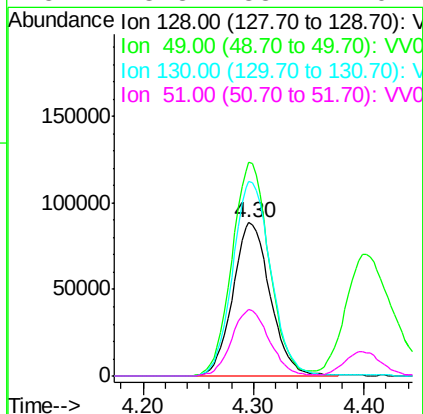
Tgt Ion: 96 Resp: 418471
 Ion Ratio Lower Upper
 96 100
 61 117.9 82.7 153.5
 98 64.4 43.9 81.5

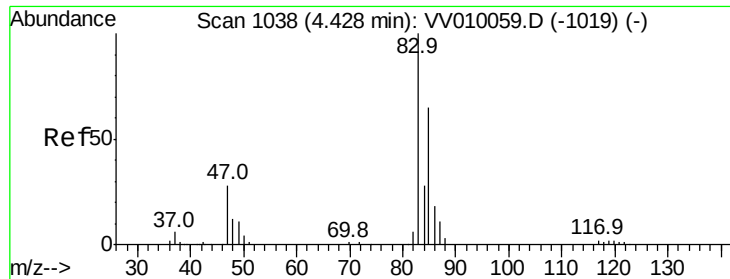


#23

Bromochloromethane
 Concen: 96.005 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion: 128 Resp: 208544
 Ion Ratio Lower Upper
 128 100
 49 139.1 92.8 172.4
 130 126.5 80.6 149.6
 51 43.3 33.1 49.7

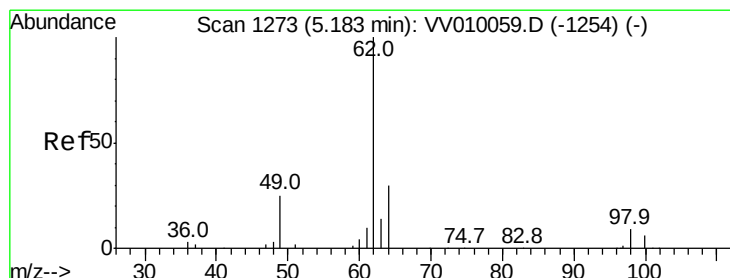
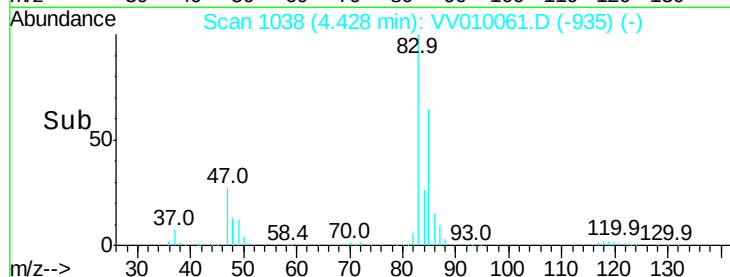
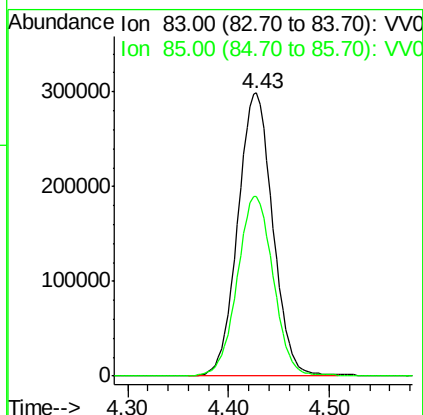
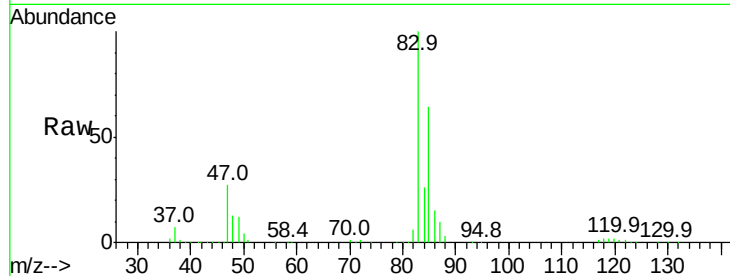




#25
Chloroform
Concen: 88.733 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

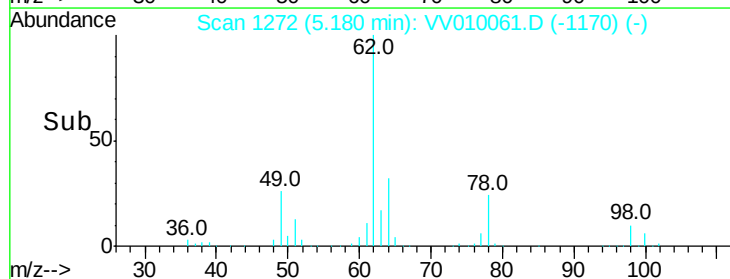
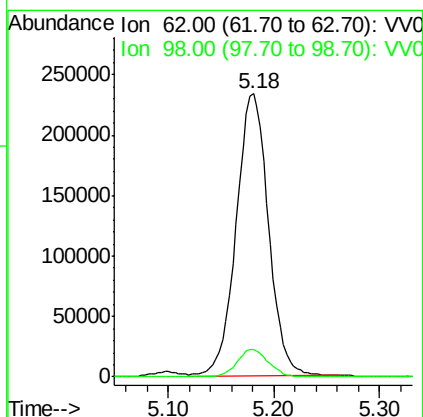
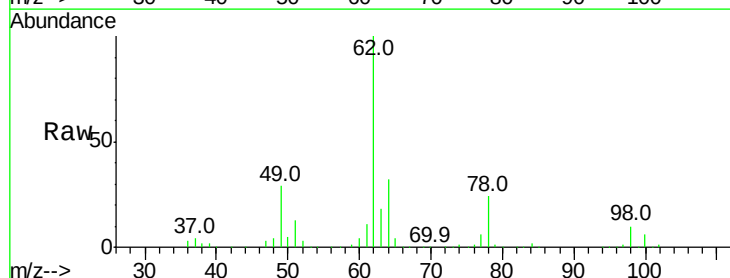
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

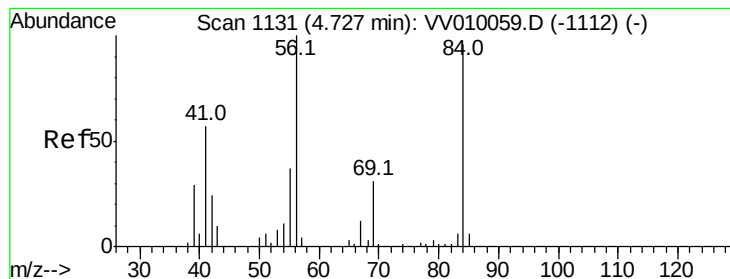
Tgt Ion: 83 Resp: 717097
Ion Ratio Lower Upper
83 100
85 65.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 96.687 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

Tgt Ion: 62 Resp: 496314
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8





#30

Cyclohexane

Concen: 93.180 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

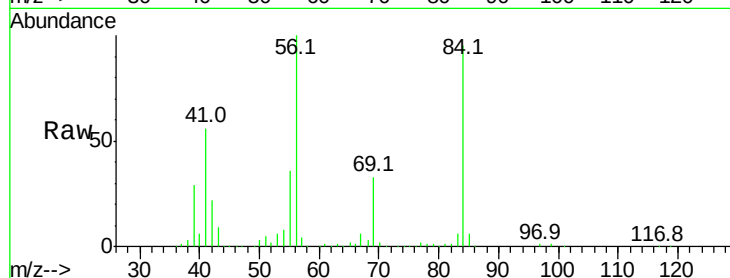
Tgt Ion: 56 Resp: 526928

Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

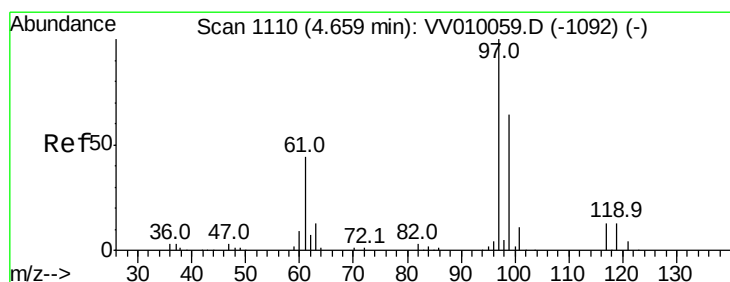
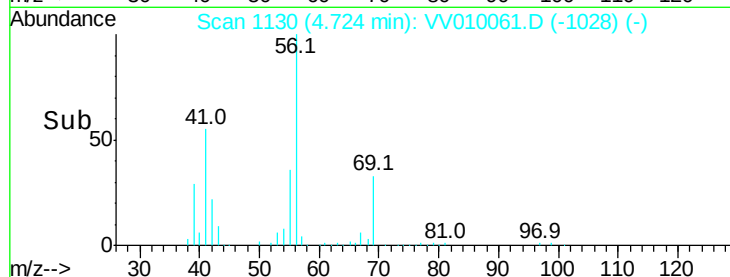
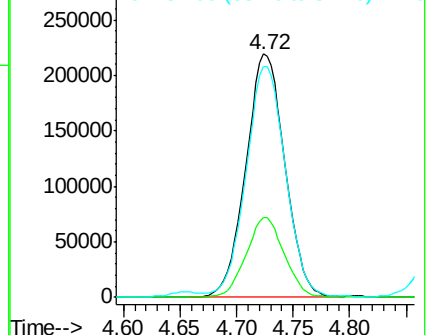
84 94.9 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 98.074 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

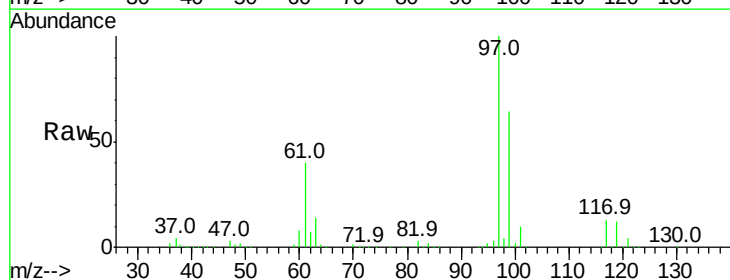
Tgt Ion: 97 Resp: 620253

Ion Ratio Lower Upper

97 100

99 63.8 52.4 78.6

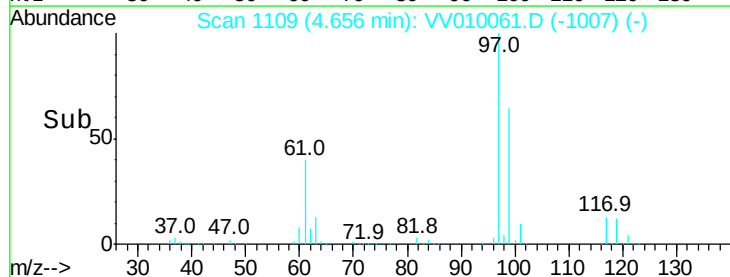
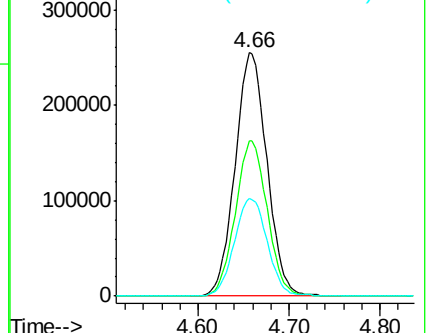
61 41.5 34.1 51.1

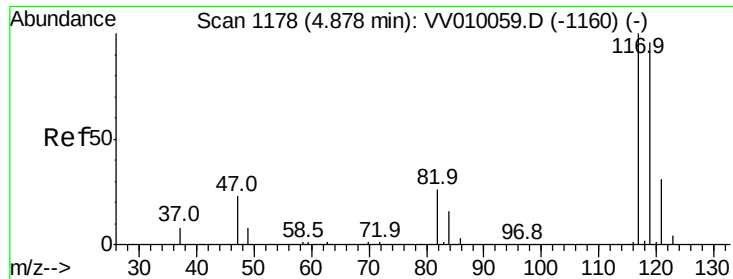


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 99.414 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

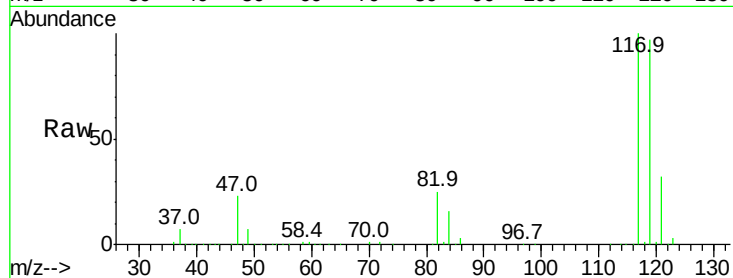
VSTD10065

Tgt Ion:117 Resp: 572598

Ion Ratio Lower Upper

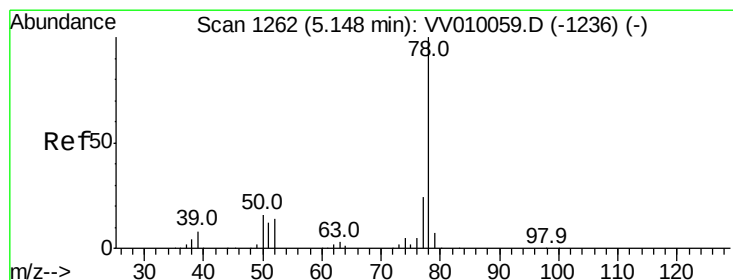
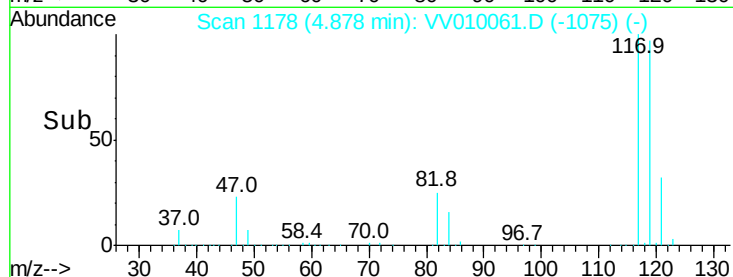
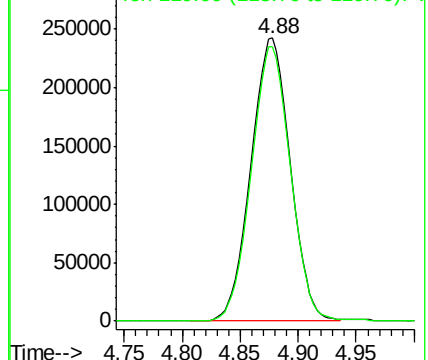
117 100

119 96.9 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 95.042 ug/L

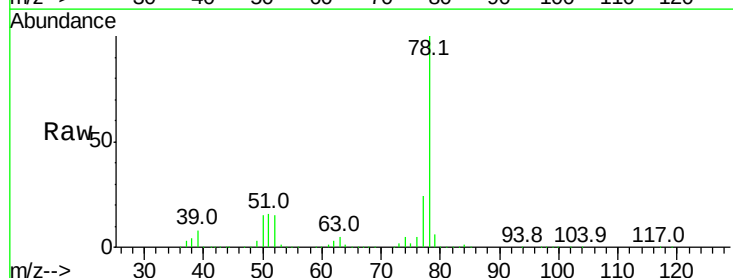
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

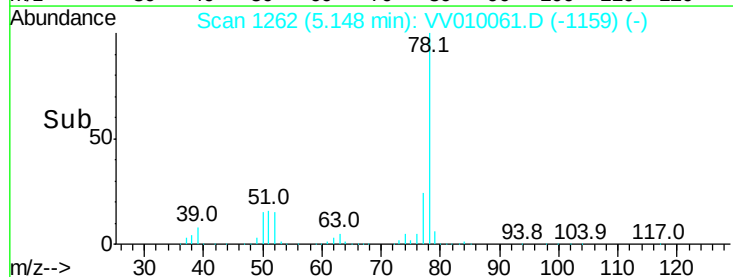
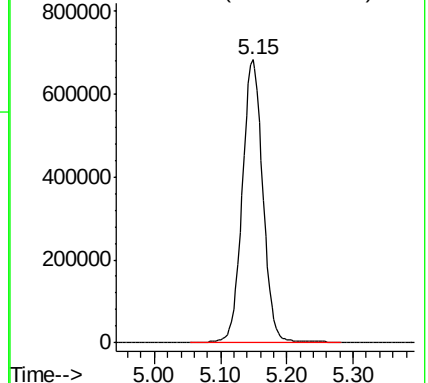
Lab File: VV010061.D

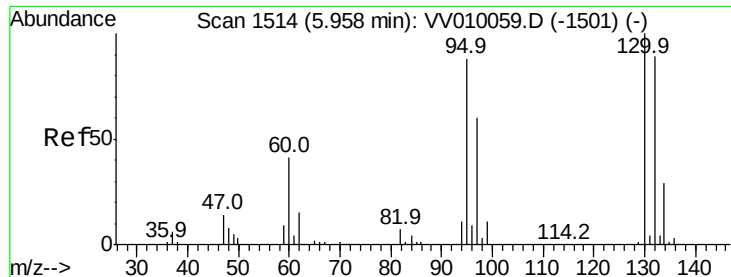
Acq: 02 Apr 2019 14:31

Tgt Ion: 78 Resp: 1473377



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 93.046 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 95 Resp: 412561

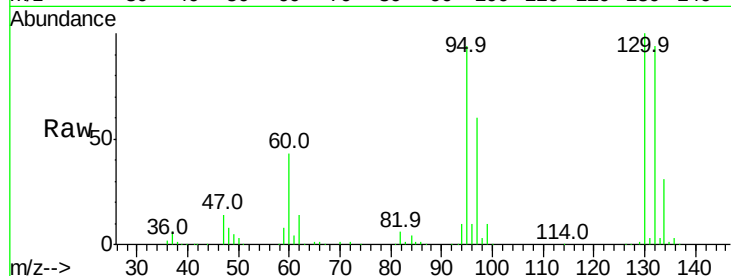
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.2

132 102.2 70.6 131.0

130 106.5 76.1 141.3

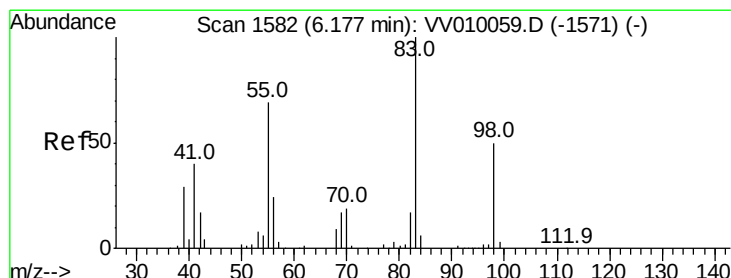
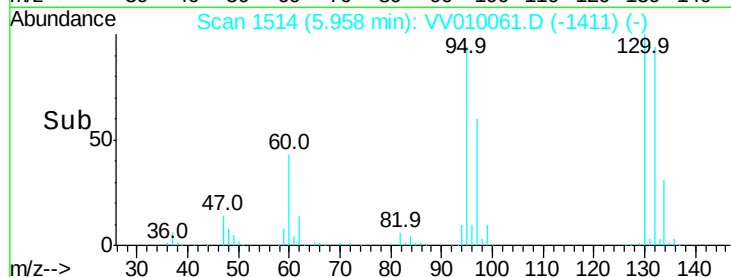
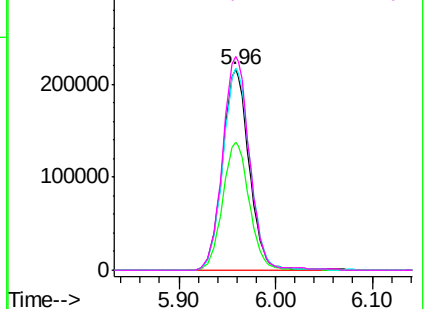


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 89.574 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

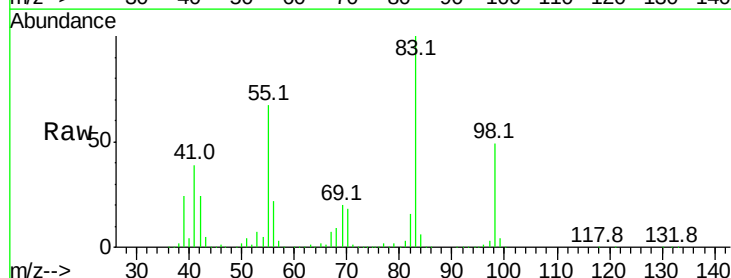
Tgt Ion: 83 Resp: 610945

Ion Ratio Lower Upper

83 100

55 68.2 56.3 84.5

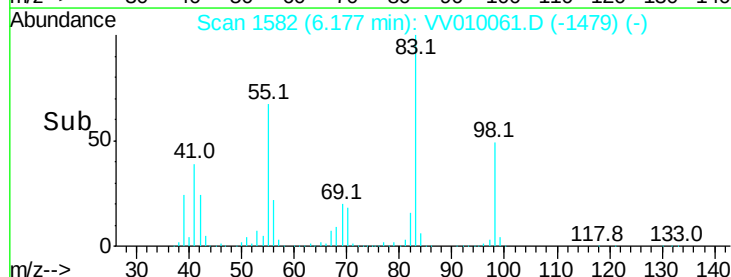
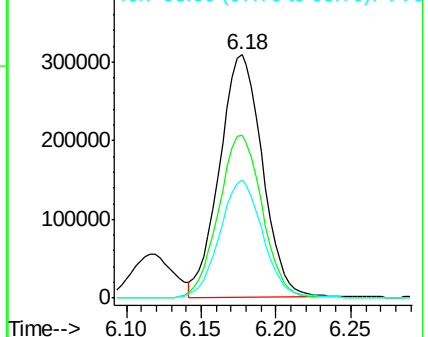
98 48.8 39.0 58.6

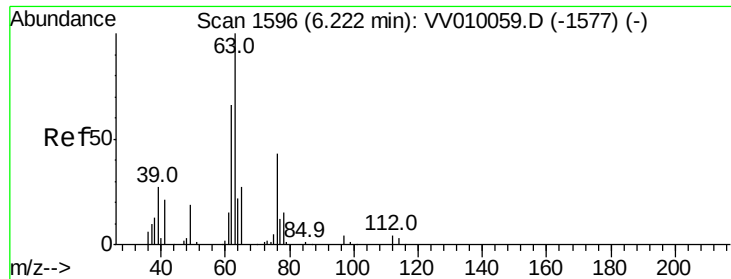


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

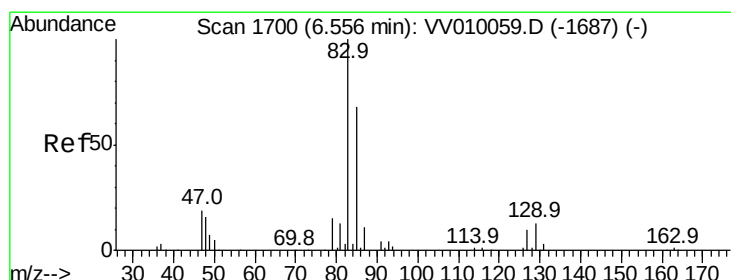
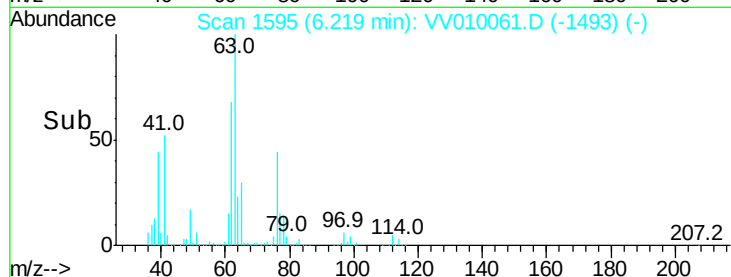
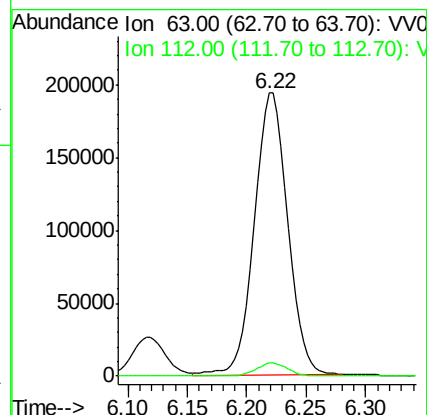
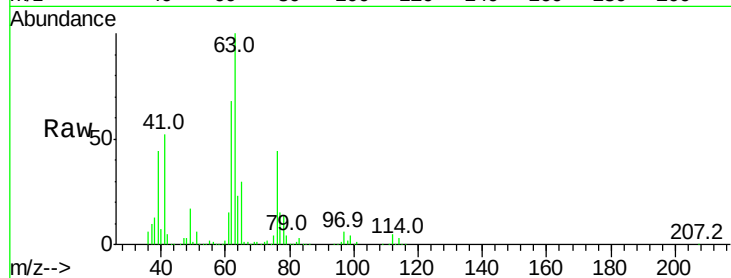




#40
 1,2-Dichloropropane
 Concen: 98.915 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

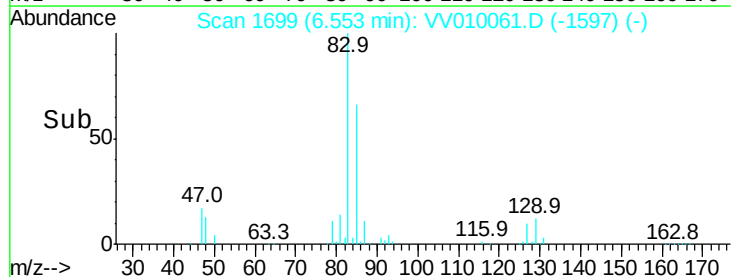
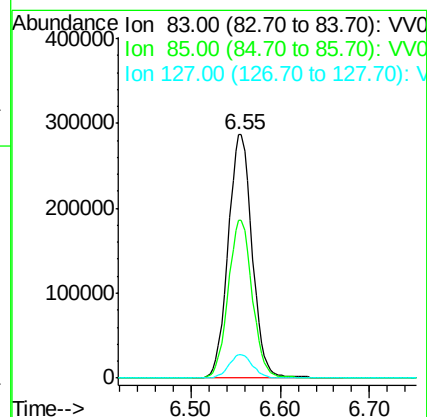
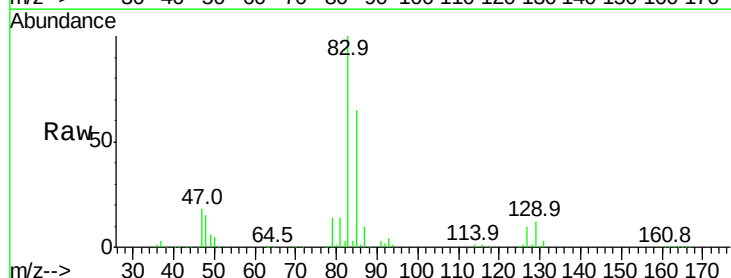
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

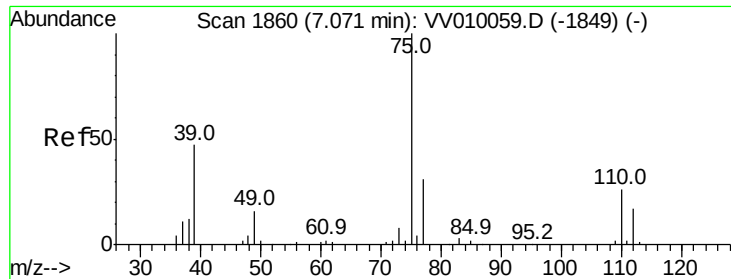
Tgt Ion: 63 Resp: 375210
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 105.646 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion: 83 Resp: 534052
 Ion Ratio Lower Upper
 83 100
 85 64.9 47.5 88.3
 127 9.7 7.7 11.5



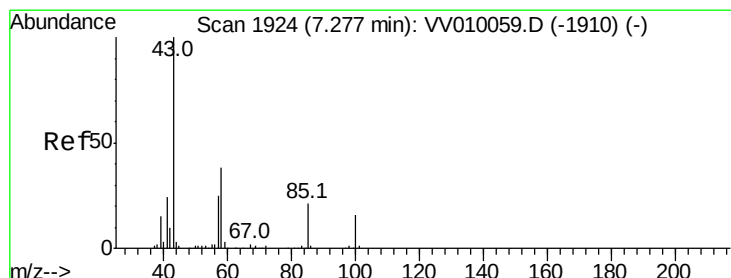
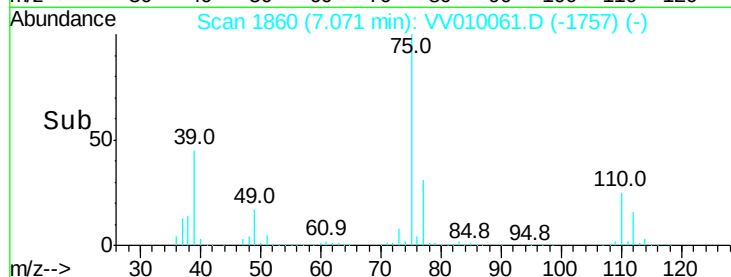
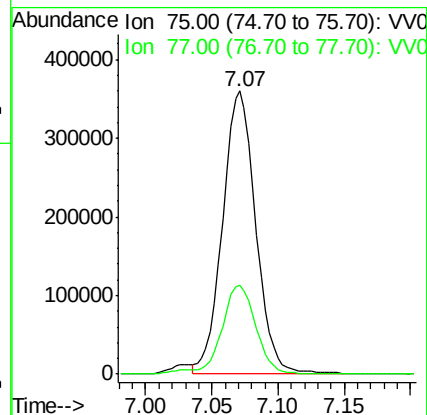
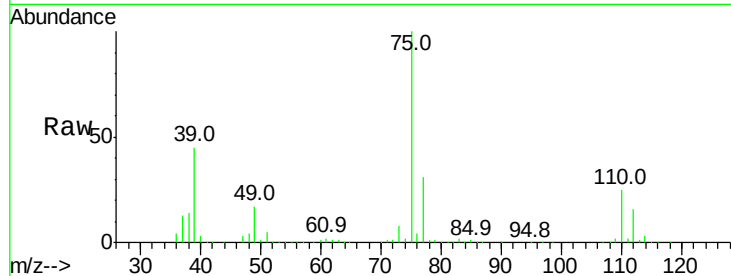


#42

cis-1,3-Dichloropropene
 Concen: 107.101 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

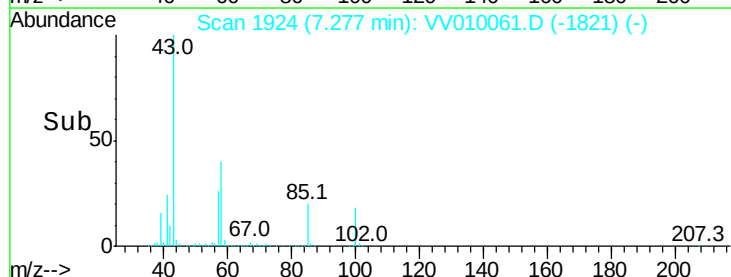
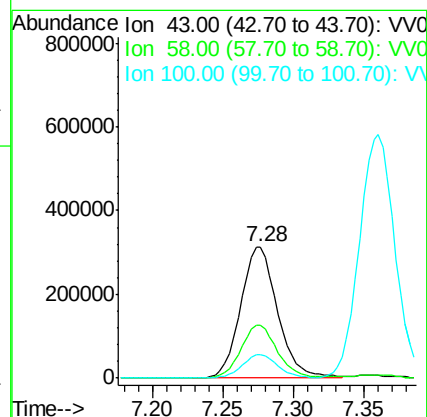
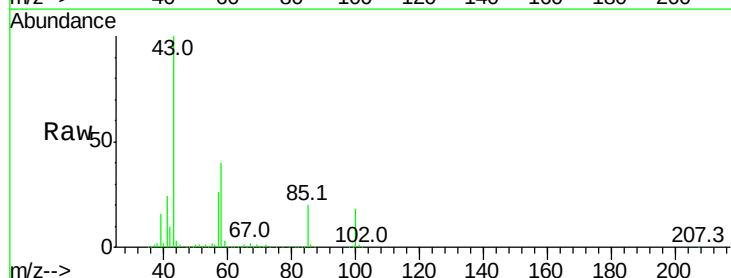
Tgt Ion: 75 Resp: 621497
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1

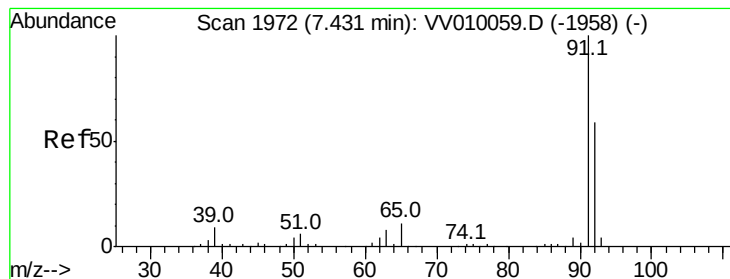


#43

4-Methyl-2-pentanone
 Concen: 198.532 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion: 43 Resp: 575540
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.5 47.3
 100 17.4 13.4 20.0





#44

Toluene

Concen: 96.126 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

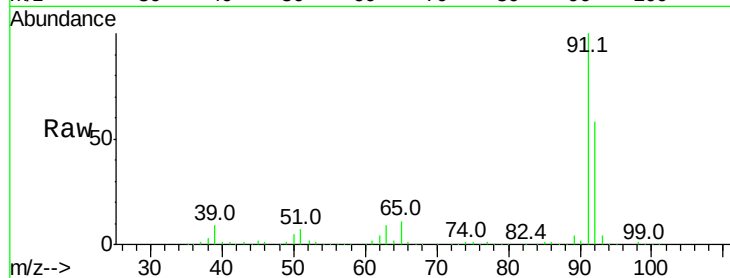
VSTD10065

Tgt Ion: 91 Resp: 1688939

Ion Ratio Lower Upper

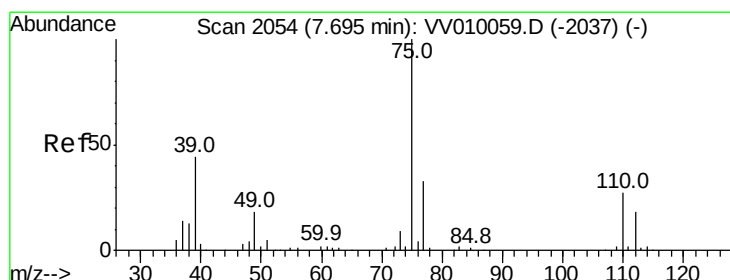
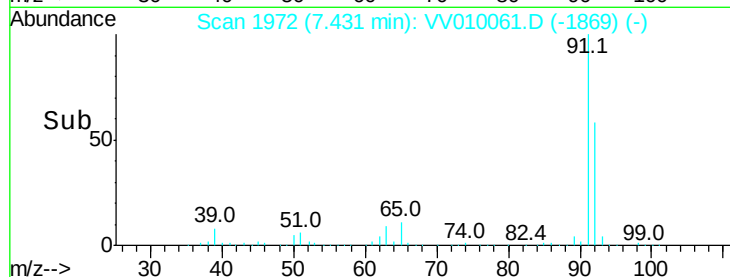
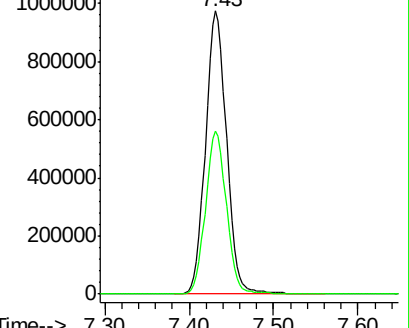
91 100

92 57.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010059.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010059.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 113.228 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010061.D

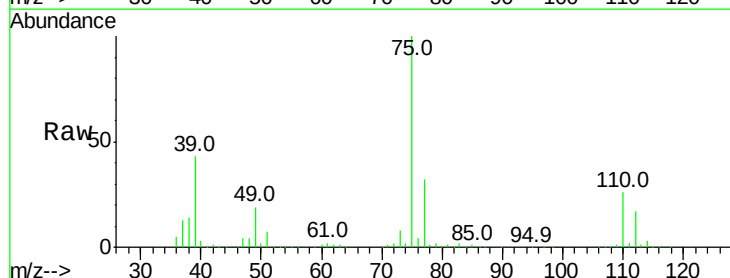
Acq: 02 Apr 2019 14:31

Tgt Ion: 75 Resp: 546362

Ion Ratio Lower Upper

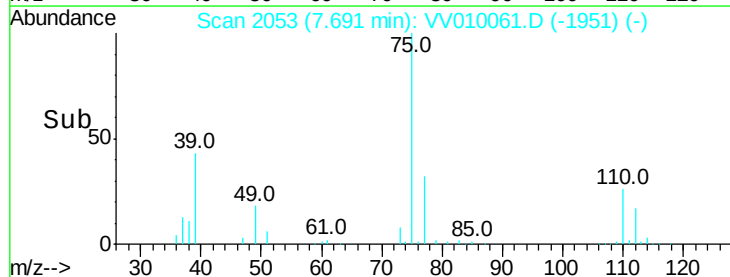
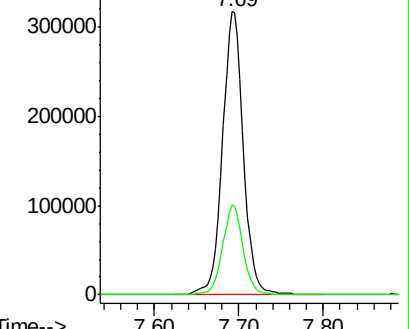
75 100

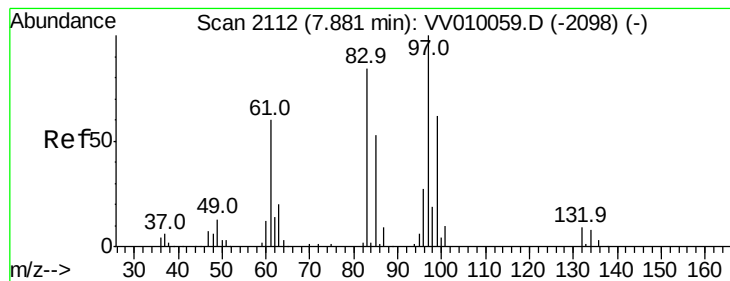
77 31.8 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010059.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2037) (-)





#46

1,1,2-Trichloroethane

Concen: 100.189 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 97 Resp: 344249

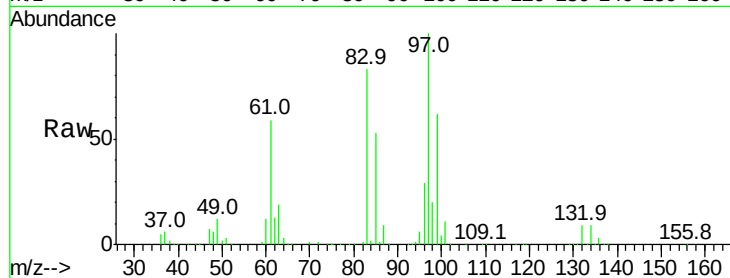
Ion Ratio Lower Upper

97 100

83 82.9 58.5 108.7

85 53.4 37.2 69.2

99 61.8 43.3 80.3

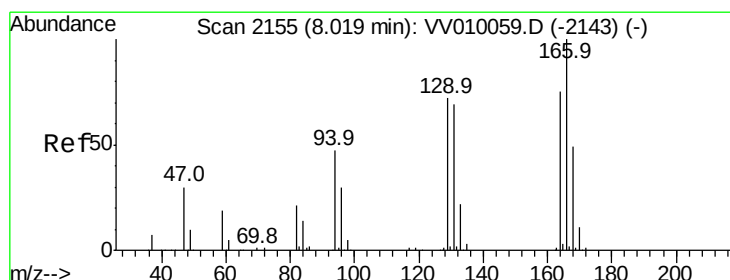
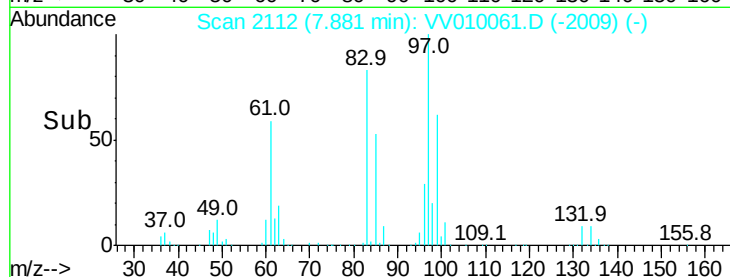
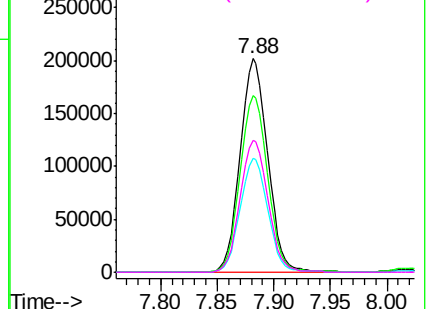


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 93.728 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Tgt Ion: 164 Resp: 352770

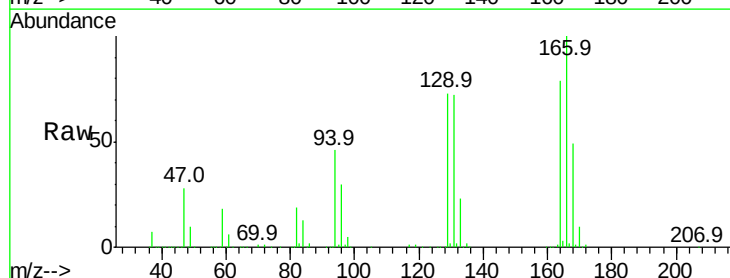
Ion Ratio Lower Upper

164 100

129 92.0 67.8 125.8

131 90.7 65.2 121.0

166 126.3 93.8 174.2

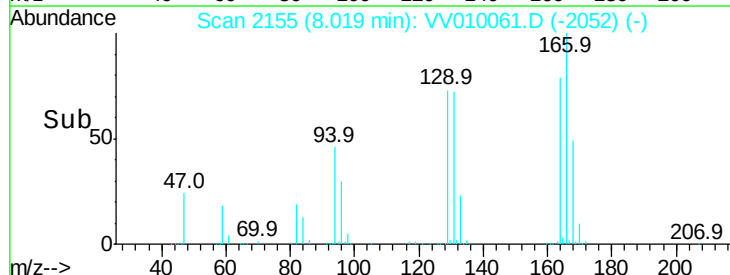
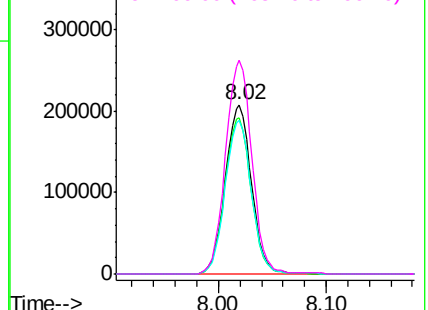


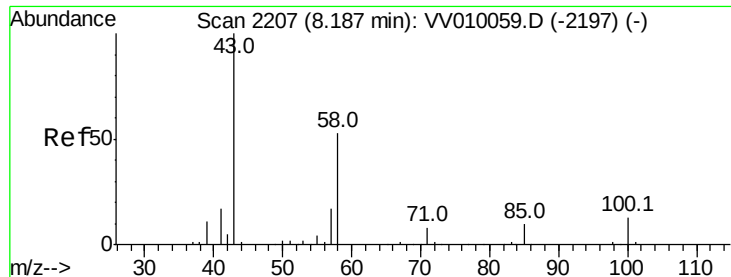
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 225.090 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 43 Resp: 432742

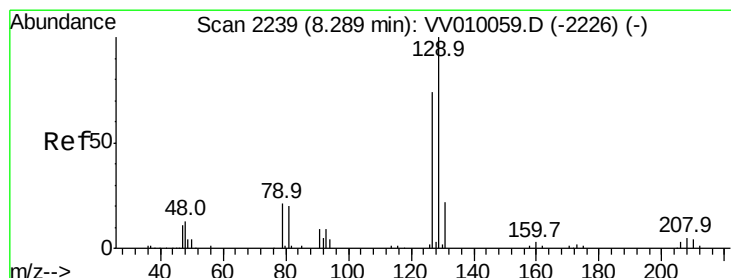
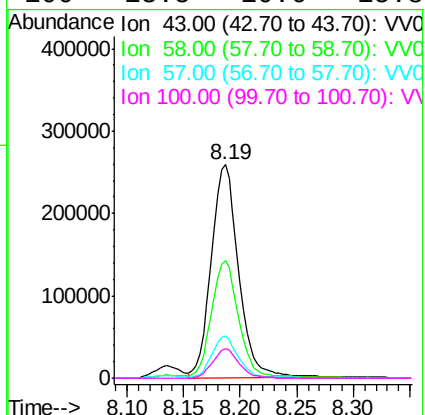
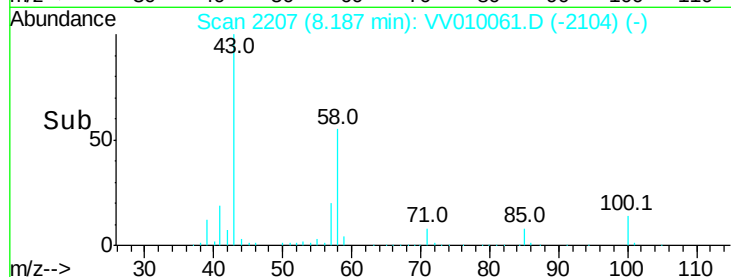
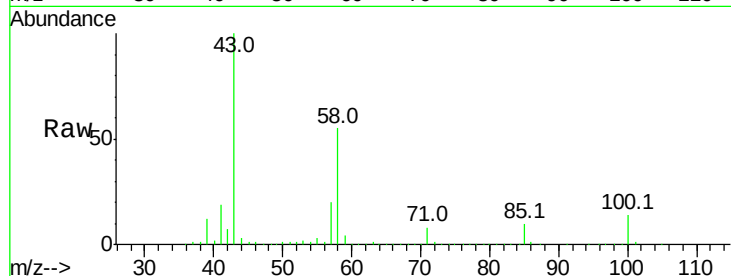
Ion Ratio Lower Upper

43 100

58 54.7 44.3 66.5

57 18.8 13.8 20.8

100 13.5 10.6 15.8



#50

Dibromochloromethane

Concen: 111.923 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010061.D

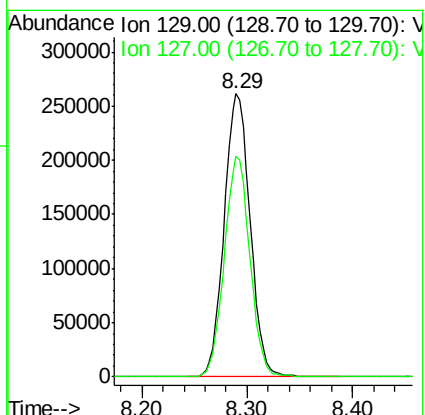
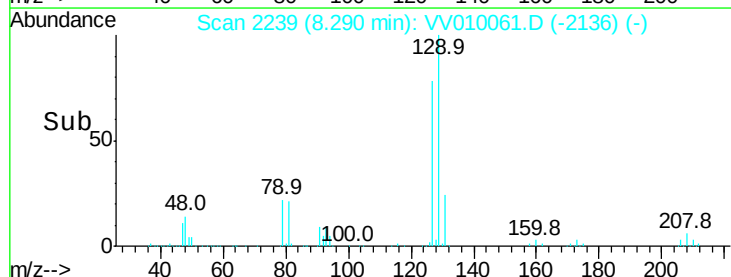
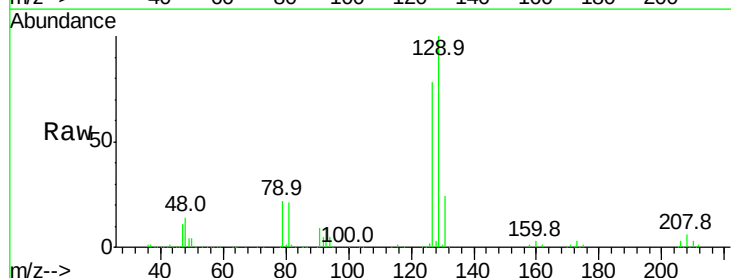
Acq: 02 Apr 2019 14:31

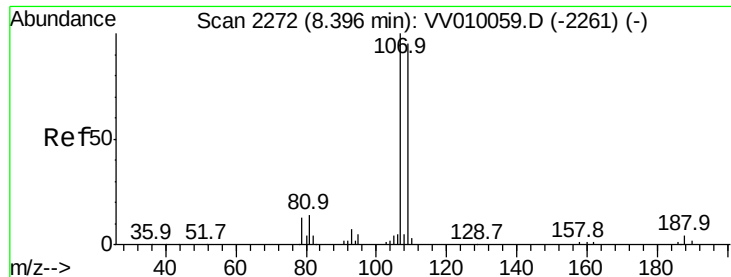
Tgt Ion: 129 Resp: 444749

Ion Ratio Lower Upper

129 100

127 77.8 52.1 96.7





#51

1,2-Dibromoethane

Concen: 102.224 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

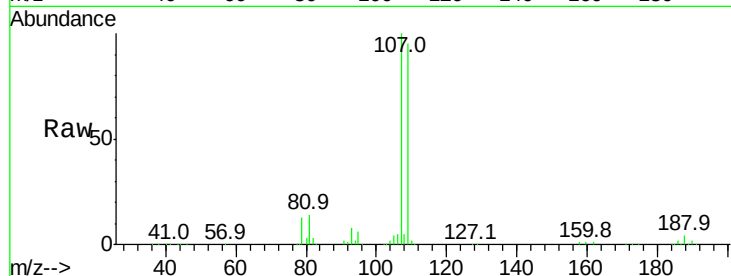
Tgt Ion:107 Resp: 352114

Ion Ratio Lower Upper

107 100

109 95.1 66.5 123.5

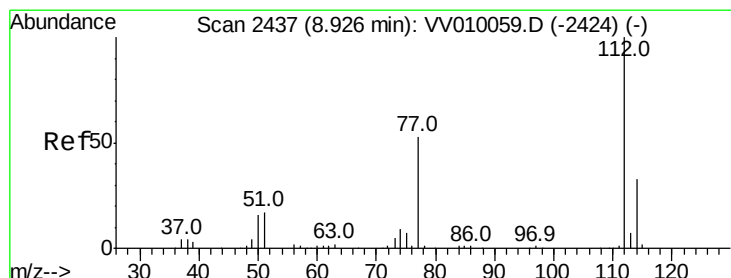
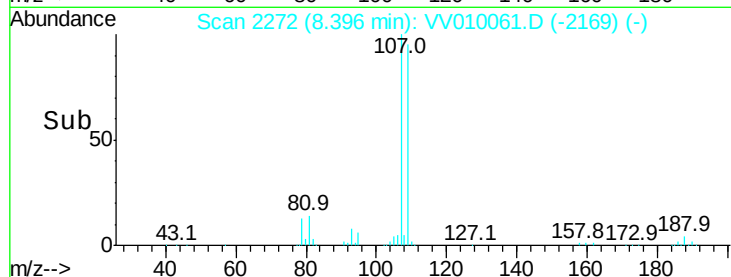
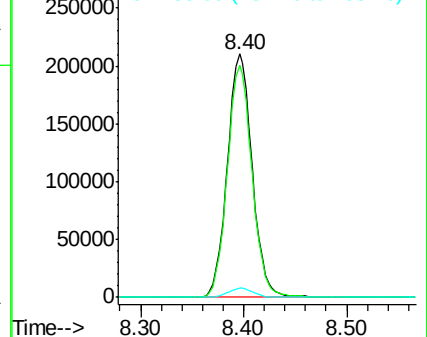
188 3.8 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 94.637 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

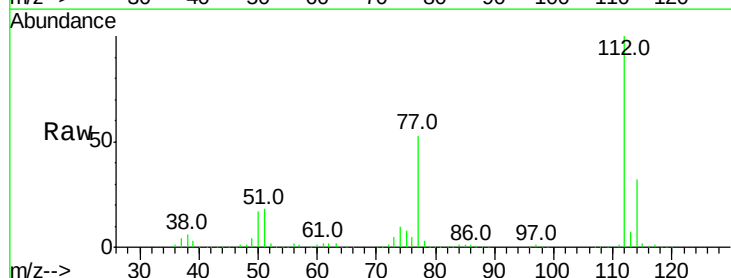
Tgt Ion:112 Resp: 1144857

Ion Ratio Lower Upper

112 100

77 52.6 42.9 64.3

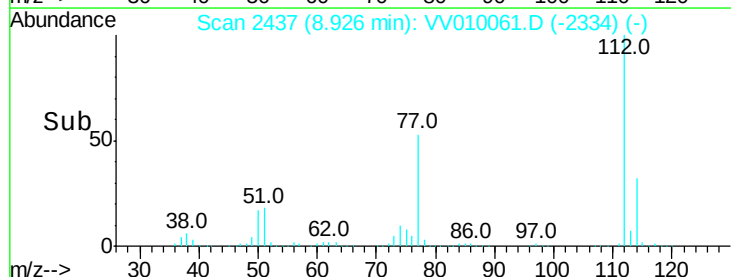
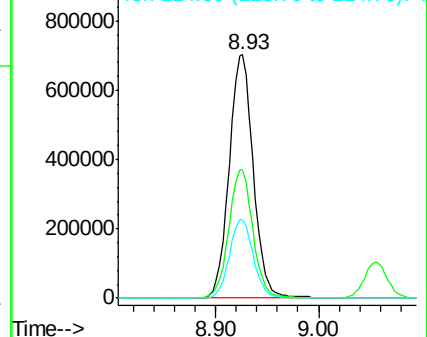
114 32.2 23.4 43.4

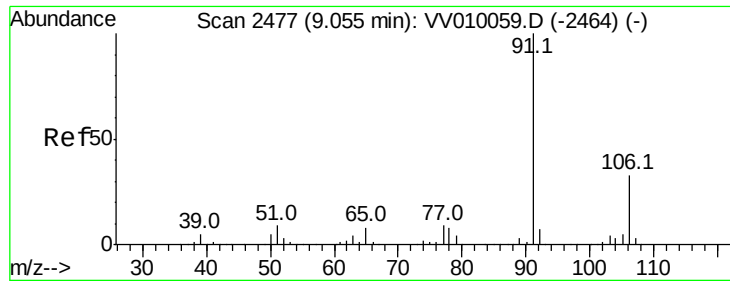


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

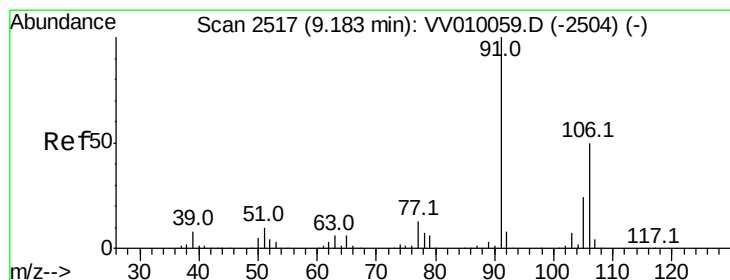
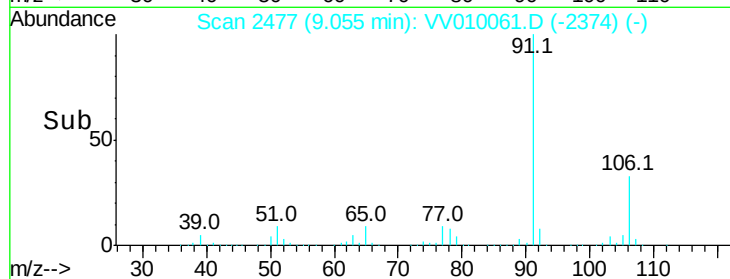
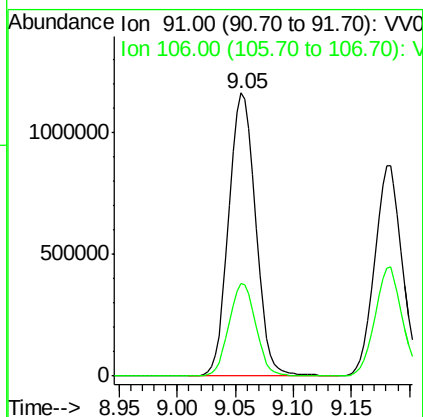
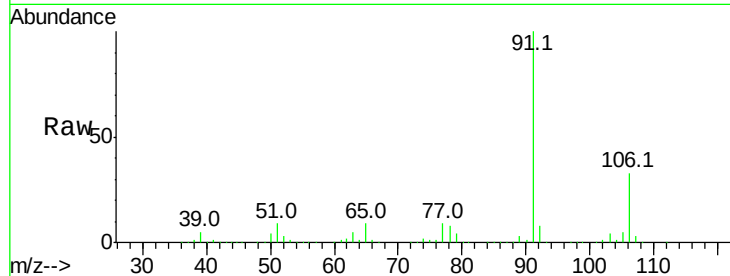




#53
Ethylbenzene
Concen: 96.114 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

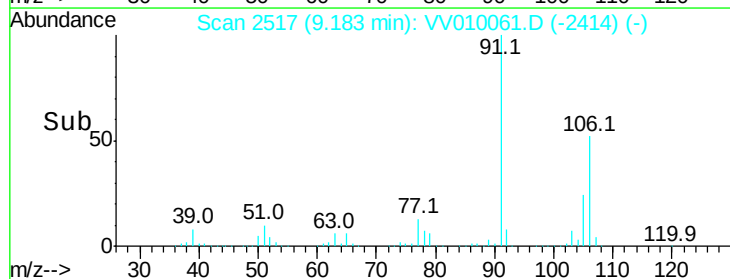
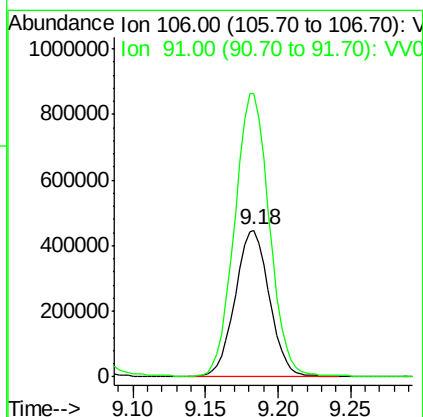
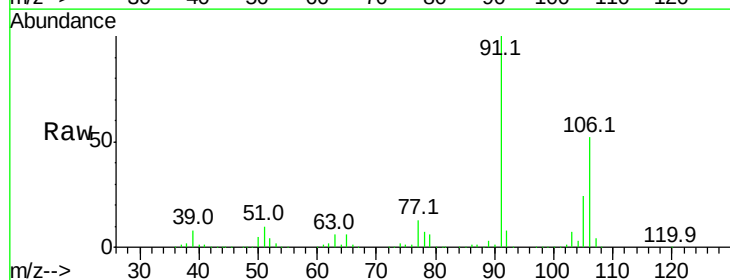
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

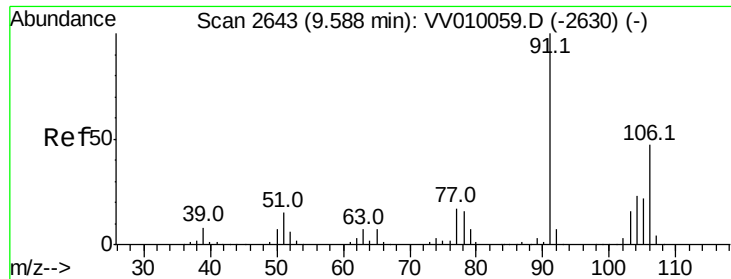
Tgt Ion: 91 Resp: 1865934
Ion Ratio Lower Upper
91 100
106 32.7 23.1 42.9



#54
m,p-Xylene
Concen: 94.072 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

Tgt Ion: 106 Resp: 732245
Ion Ratio Lower Upper
106 100
91 193.1 139.3 258.7

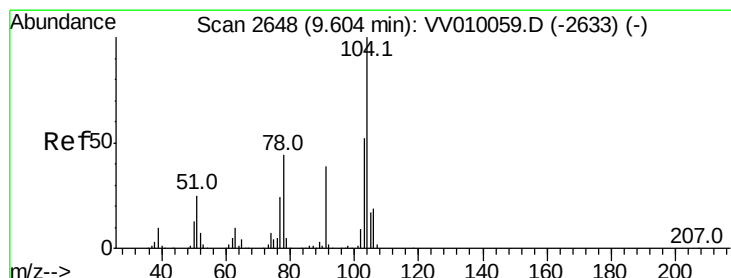
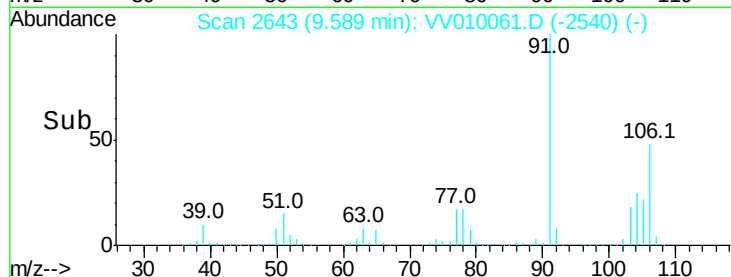
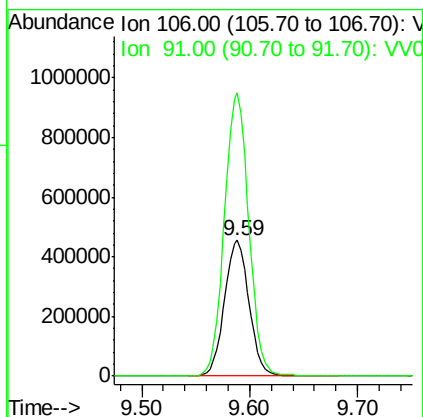
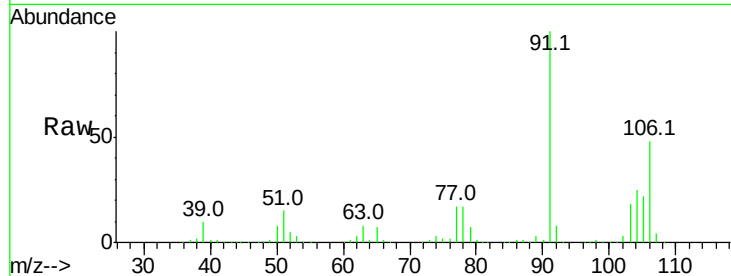




#55
o-xylene
Concen: 98.201 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

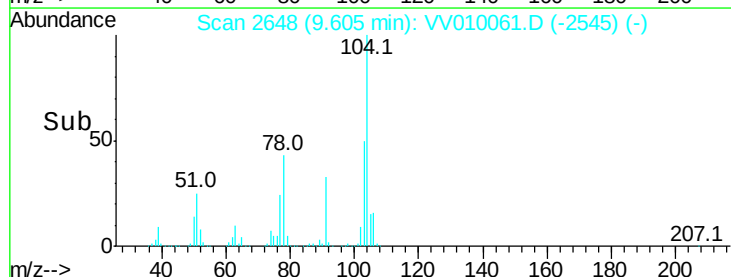
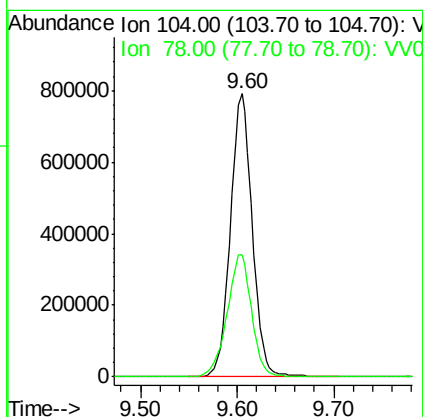
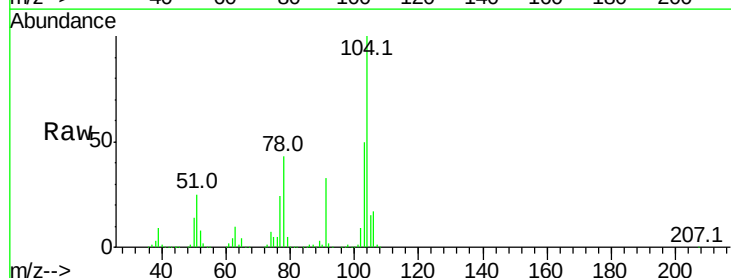
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

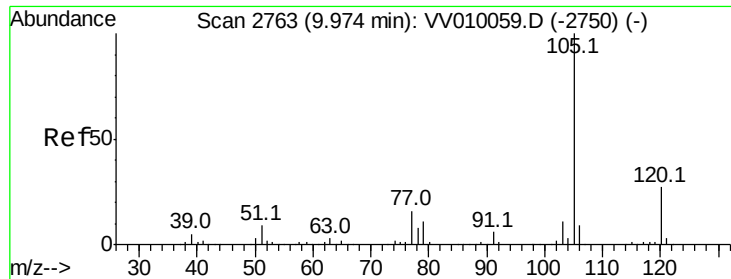
Tgt Ion:106 Resp: 723045
Ion Ratio Lower Upper
106 100
91 208.8 150.4 279.2



#56
Styrene
Concen: 100.779 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010061.D
Acq: 02 Apr 2019 14:31

Tgt Ion:104 Resp: 1241628
Ion Ratio Lower Upper
104 100
78 43.3 30.5 56.7





#57

Isopropylbenzene

Concen: 96.658 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

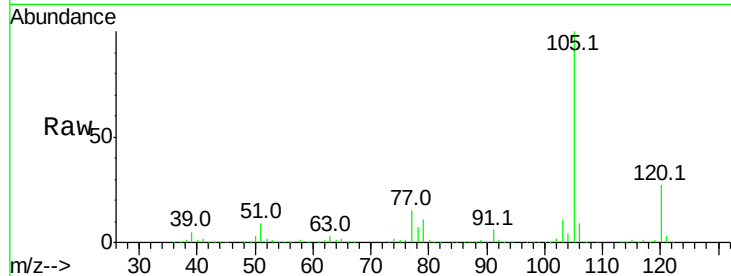
Tgt Ion:105 Resp: 1896092

Ion Ratio Lower Upper

105 100

120 27.4 21.5 32.3

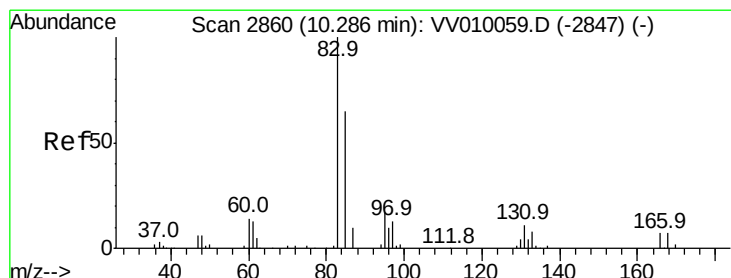
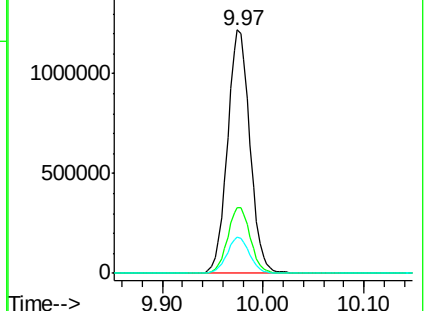
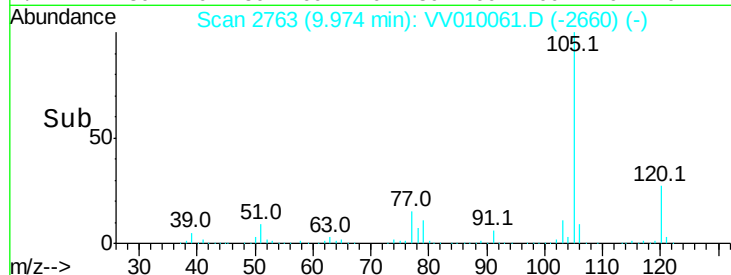
77 14.8 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 98.853 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

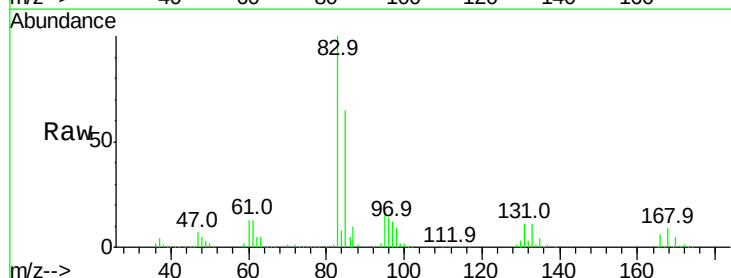
Tgt Ion: 83 Resp: 439397

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.7

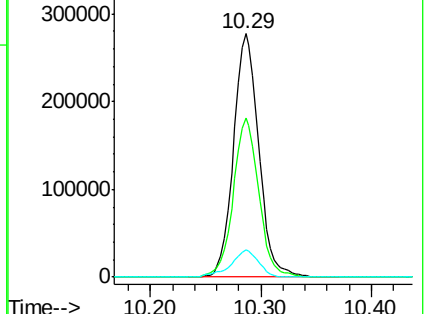
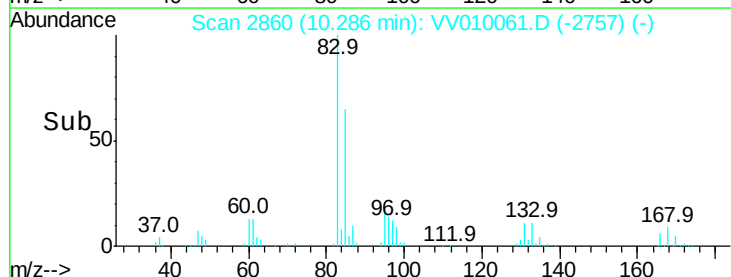
131 11.2 9.0 13.4

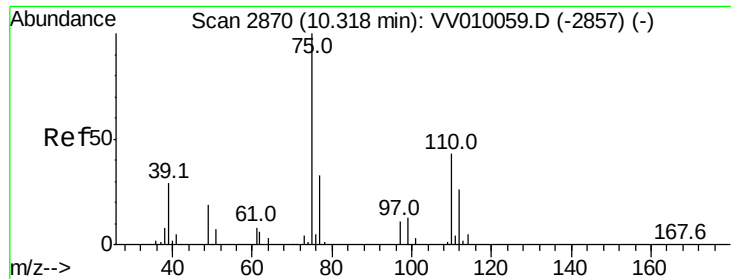


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

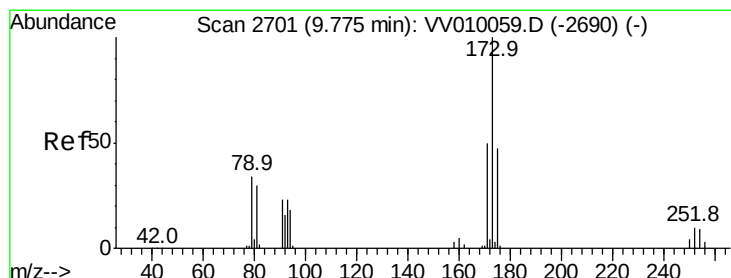
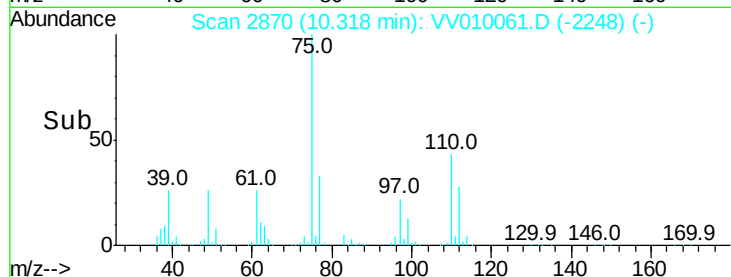
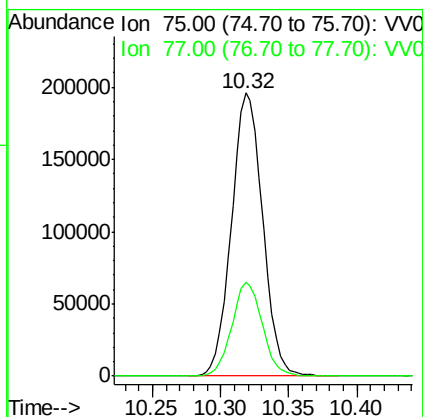
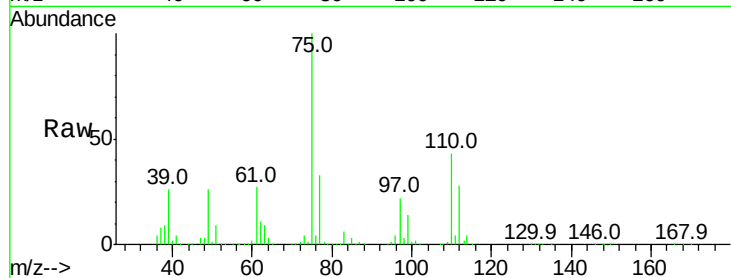




#59
 1,2,3-Trichloropropane
 Concen: 95.564 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

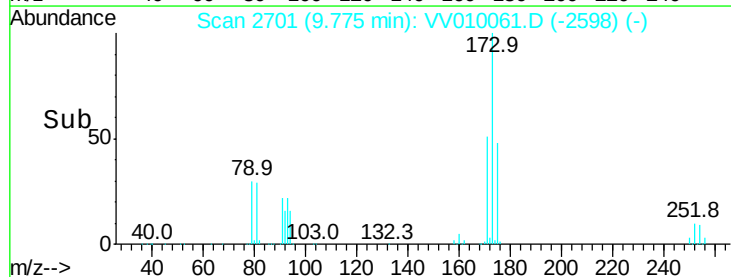
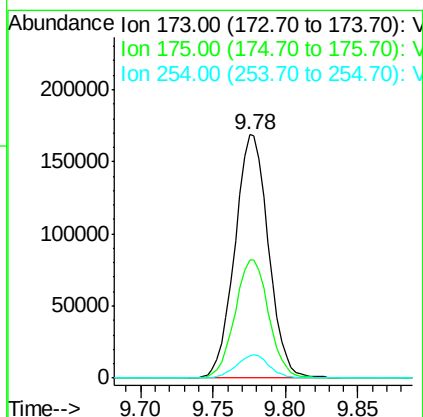
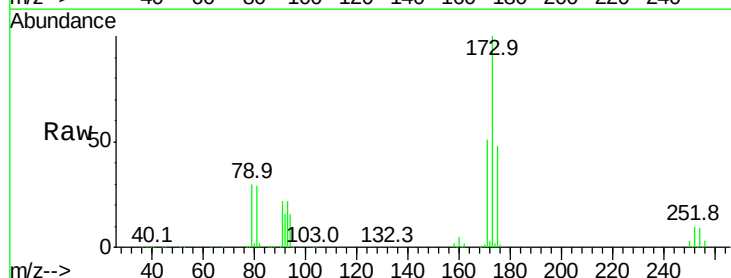
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

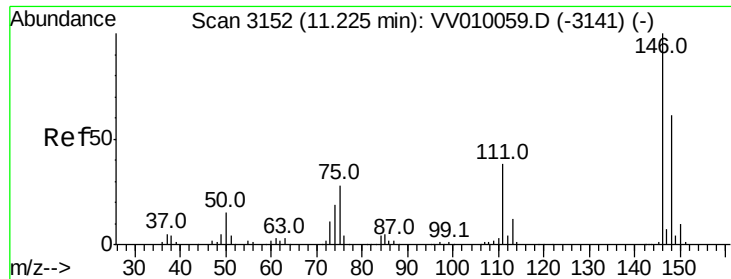
Tgt Ion: 75 Resp: 311692
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#62
 Bromoform
 Concen: 119.075 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion: 173 Resp: 272281
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.7 58.1
 254 9.4 6.7 10.1

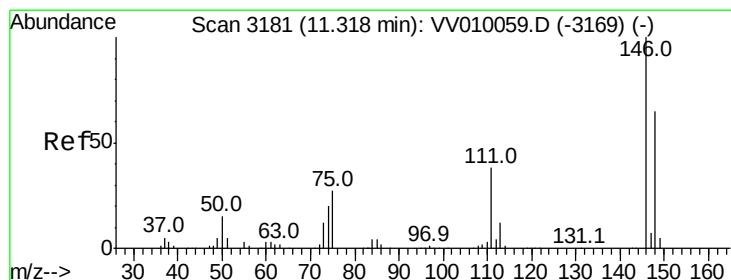
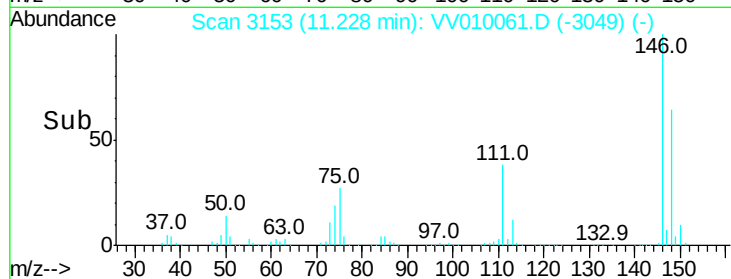
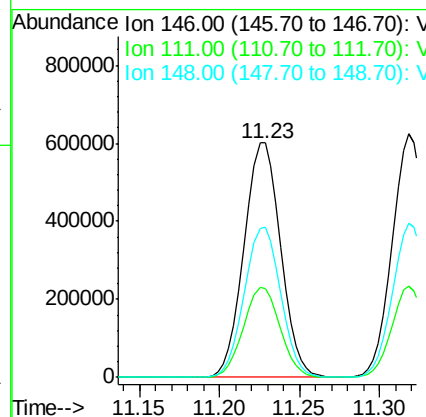
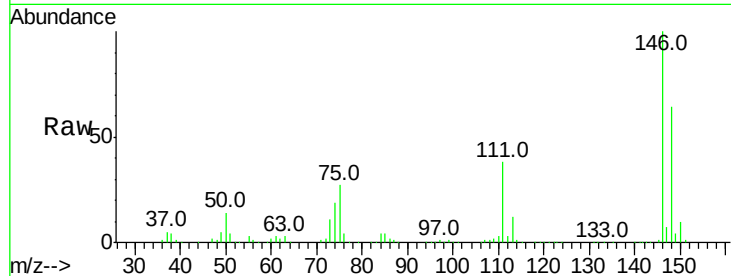




#63
 1,3-Dichlorobenzene
 Concen: 94.963 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

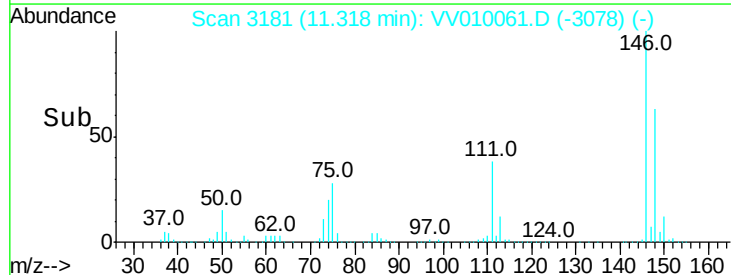
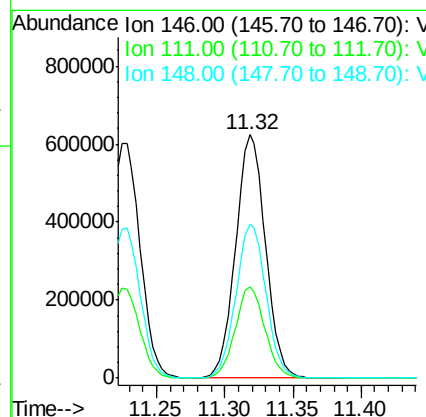
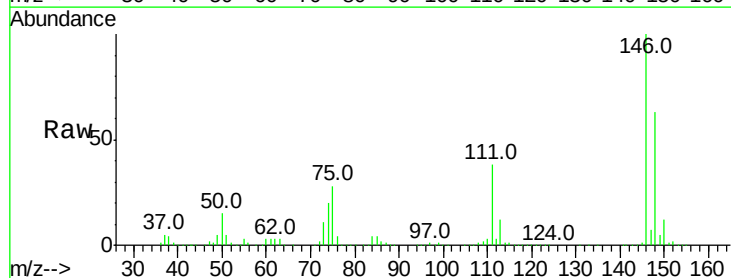
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

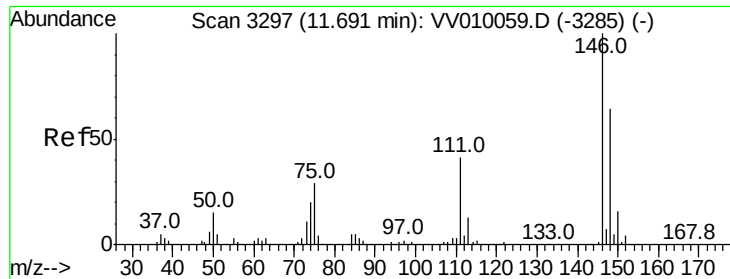
Tgt Ion:146 Resp: 937537
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.8 49.8
 148 63.9 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 91.377 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion:146 Resp: 948605
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.9 50.1
 148 63.4 45.6 84.6

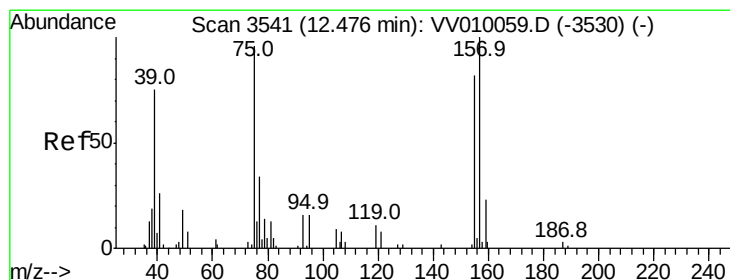
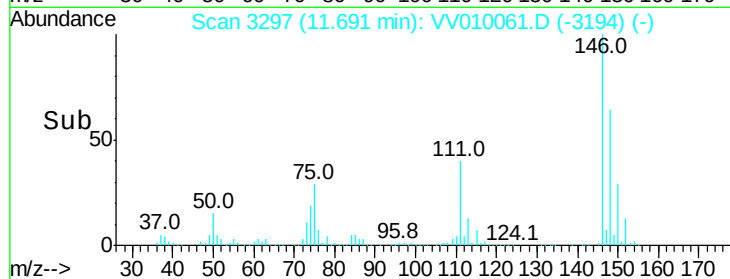
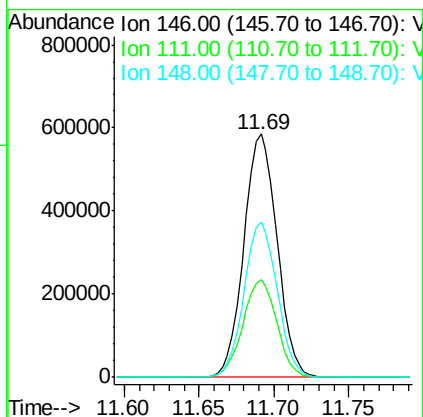
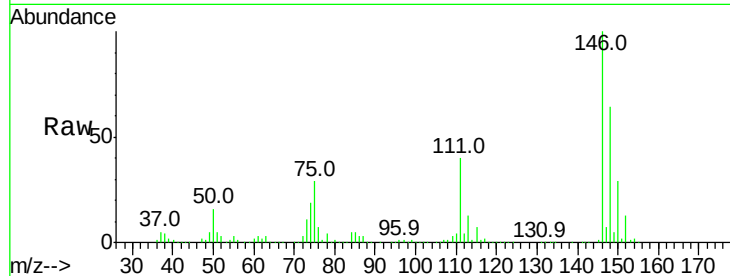




#65
 1,2-Dichlorobenzene
 Concen: 92.959 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

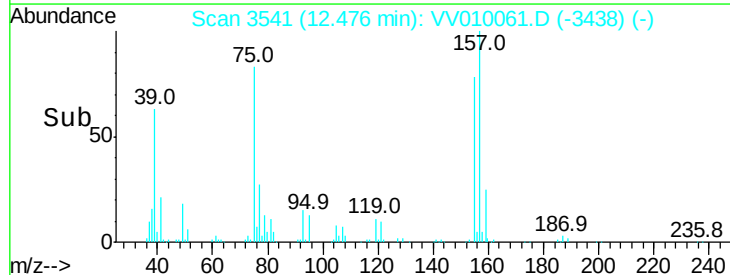
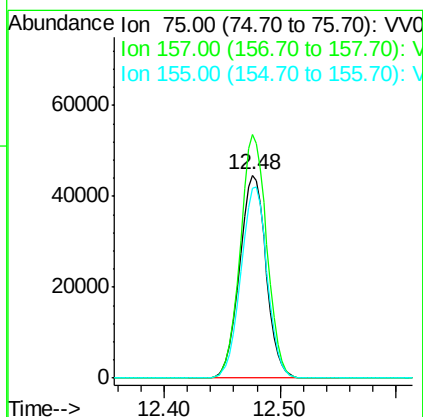
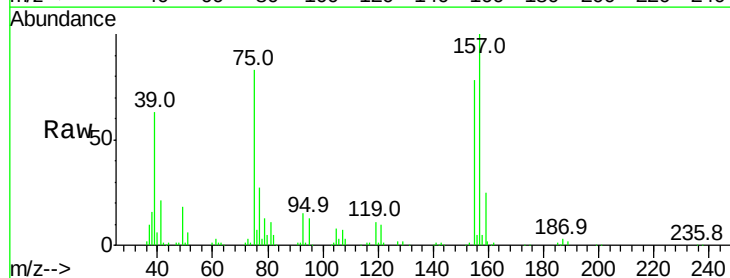
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

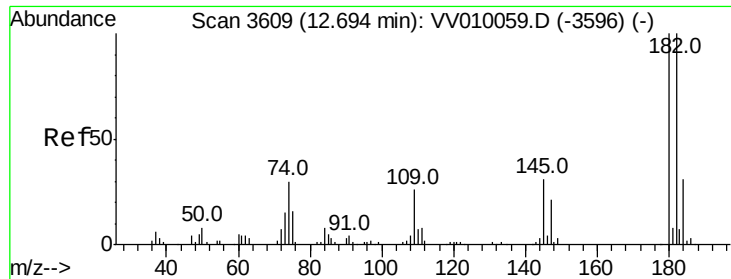
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	33.2	49.8
148	63.6	51.4	77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 112.548 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
157	120.0	83.0	124.6
155	93.4	68.1	102.1

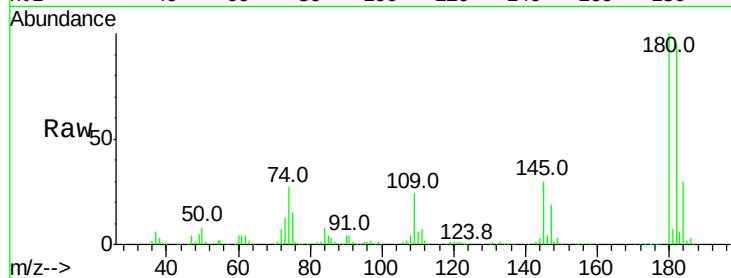




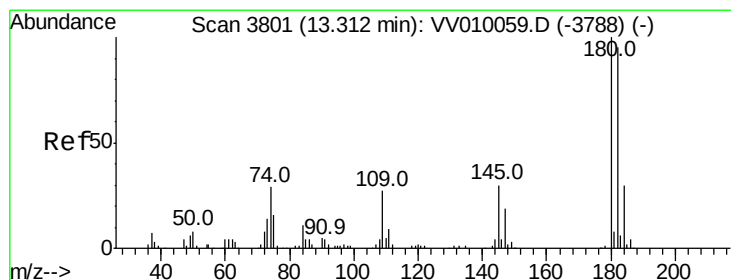
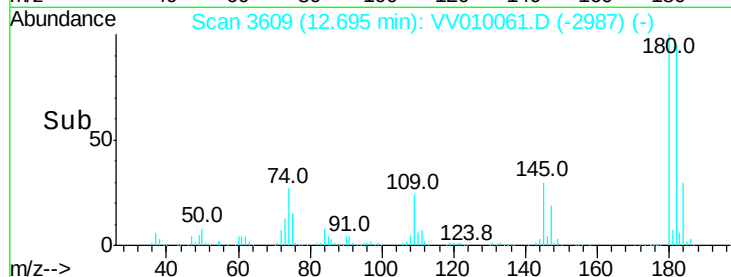
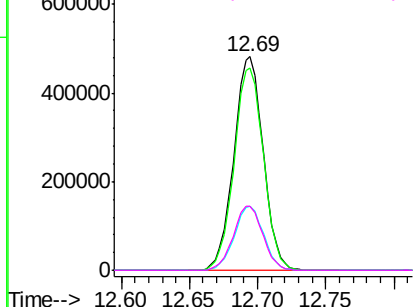
#67
 1,3,5-Trichlorobenzene
 Concen: 98.675 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion:180 Resp: 718453
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.2 115.8
 184 29.9 23.8 35.6
 145 30.3 24.6 36.8

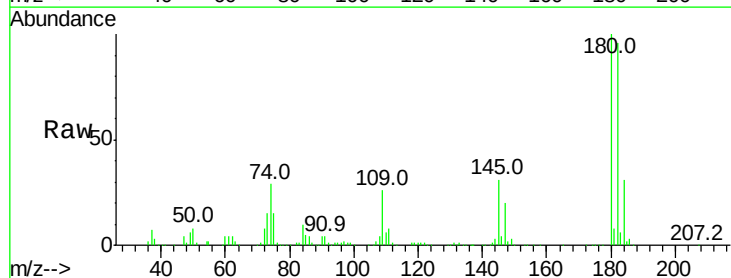


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

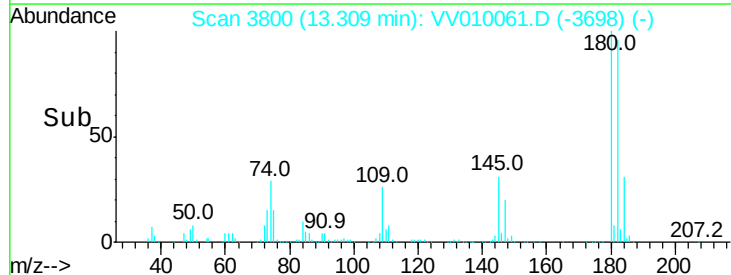
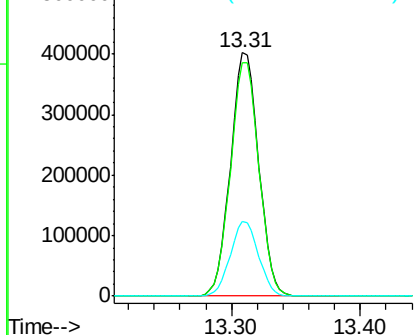


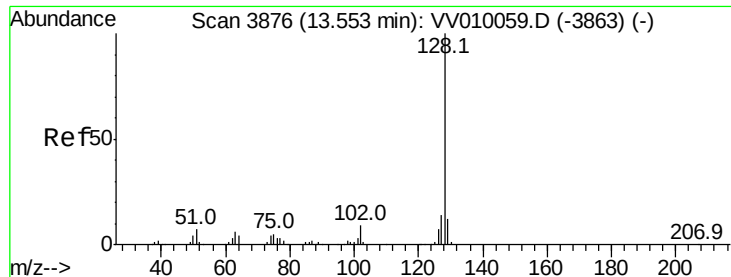
#68
 1,2,4-trichlorobenzene
 Concen: 114.643 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010061.D
 Acq: 02 Apr 2019 14:31

Tgt Ion:180 Resp: 608798
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.7 113.5
 145 30.9 24.6 37.0



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





#69

Naphthalene

Concen: 147.619 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

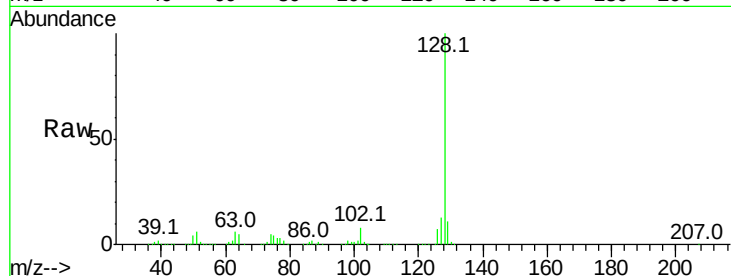
Tgt Ion:128 Resp: 1232386

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

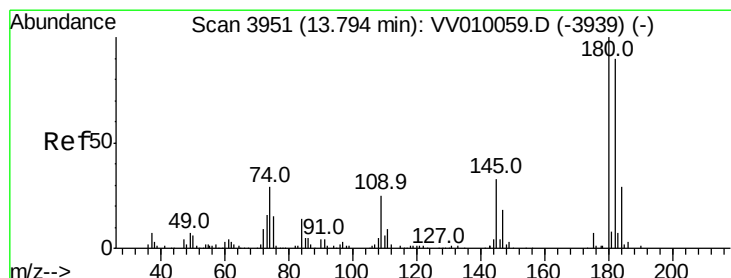
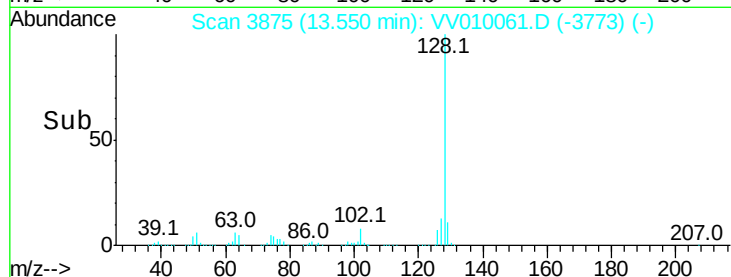
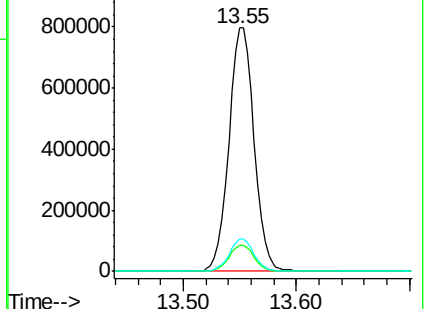
127 13.1 11.0 16.4



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: 118.704 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010061.D

Acq: 02 Apr 2019 14:31

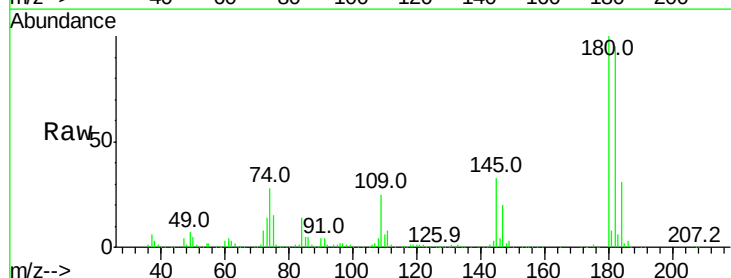
Tgt Ion:180 Resp: 590651

Ion Ratio Lower Upper

180 100

182 93.9 74.1 111.1

145 31.9 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

