

Data File : VV010063.D
Acq On : 02 Apr 2019 15:44
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Quant Time: Apr 02 16:24:15 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	305765	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	284134	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	137919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11359	2.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	12913	3.49	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	26928	2.56	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2221	1.95	ug/L	0.02
24) Chloroform-d	4.41	84	17816	2.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9913	2.20	ug/L	0.00
29) Benzene-d6	5.10	84	35152	2.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	10593	2.54	ug/L	0.00
37) Toluene-d8	7.36	98	32851	2.29	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3772	2.10	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	3425	4.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9753	2.26	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	13928	2.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	13136	2.789	ug/L	100
3) Chloromethane	1.25	50	11178	2.717	ug/L	100
5) Vinyl chloride	1.32	62	11783	2.618	ug/L	89
6) Bromomethane	1.53	94	14340	3.575	ug/L	91
8) Chloroethane	1.59	64	10746	3.607	ug/L	92
9) Trichlorofluoromethane	1.77	101	23579	2.545	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12423	2.369	ug/L	98
12) 1,1-Dichloroethene	2.14	96	10966	2.426	ug/L	95
13) Acetone	2.20	43	6474	4.801	ug/L	98
14) Carbon disulfide	2.32	76	22754	2.507	ug/L #	93
15) Methyl Acetate	2.47	43	4186	2.139	ug/L	96
16) Methylene chloride	2.54	84	17861	3.343	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	20392	2.188	ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	9950	2.646	ug/L	83
19) 1,1-Dichloroethane	3.24	63	15405	2.329	ug/L	95
21) 2-Butanone	4.04	43	2566	2.002	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	10049	2.384	ug/L	92
23) Bromochloromethane	4.31	128	4472	2.147	ug/L	89
25) Chloroform	4.43	83	16595	2.141	ug/L	100
27) 1,2-Dichloroethane	5.18	62	11204	2.276	ug/L #	85
30) Cyclohexane	4.72	56	13300	2.562	ug/L #	91
31) 1,1,1-Trichloroethane	4.66	97	14547	2.506	ug/L #	76
32) Carbon tetrachloride	4.88	117	12082	2.285	ug/L	99
34) Benzene	5.15	78	36631	2.574	ug/L	100
35) Trichloroethene	5.96	95	10340	2.541	ug/L	98
36) Methylcyclohexane	6.18	83	15897	2.539	ug/L	98
41) Bromodichloromethane	6.56	83	10836	2.335	ug/L	89
42) cis-1,3-Dichloropropene	7.07	75	11420	2.144	ug/L	95
43) 4-Methyl-2-pentanone	7.28	43	12034	4.522	ug/L #	83
44) Toluene	7.43	91	38136	2.365	ug/L	97

Data File : VV010063.D
Acq On : 02 Apr 2019 15:44
Operator : SY/MD
Sample : VSTD2.566
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Quant Time: Apr 02 16:24:15 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)
45) trans-1,3-Dichloropropene	7.69	75	8309	1.876	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	7563	2.398	ug/L	96
47) Tetrachloroethene	8.02	164	9060	2.623	ug/L	94
49) 2-Hexanone	8.19	43	7742	4.387	ug/L #	92
50) Dibromochloromethane	8.29	129	7163	1.964	ug/L	95
51) 1,2-Dibromoethane	8.40	107	7235	2.288	ug/L #	93
52) Chlorobenzene	8.93	112	27346	2.463	ug/L	95
53) Ethylbenzene	9.06	91	42894	2.407	ug/L	96
54) m,p-Xylene	9.19	106	16735	2.342	ug/L	86
55) o-xylene	9.59	106	15049	2.227	ug/L	98
56) Styrene	9.61	104	22974	2.032	ug/L	99
57) Isopropylbenzene	9.97	105	39815	2.211	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9417	2.308	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	6735	2.250	ug/L	94
62) Bromoform	9.77	173	3971	2.061	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	20293	2.440	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	22269	2.546	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	20998	2.558	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1226	2.316	ug/L #	78
67) 1,3,5-Trichlorobenzene	12.69	180	15419	2.513	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	10743	2.401	ug/L	96
69) Naphthalene	13.55	128	13410	1.906	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	8924	2.129	ug/L	87

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

Data File : VV010063.D

Acq On : 02 Apr 2019 15:44

Operator : SY/MD

Sample : VSTD2.566

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

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

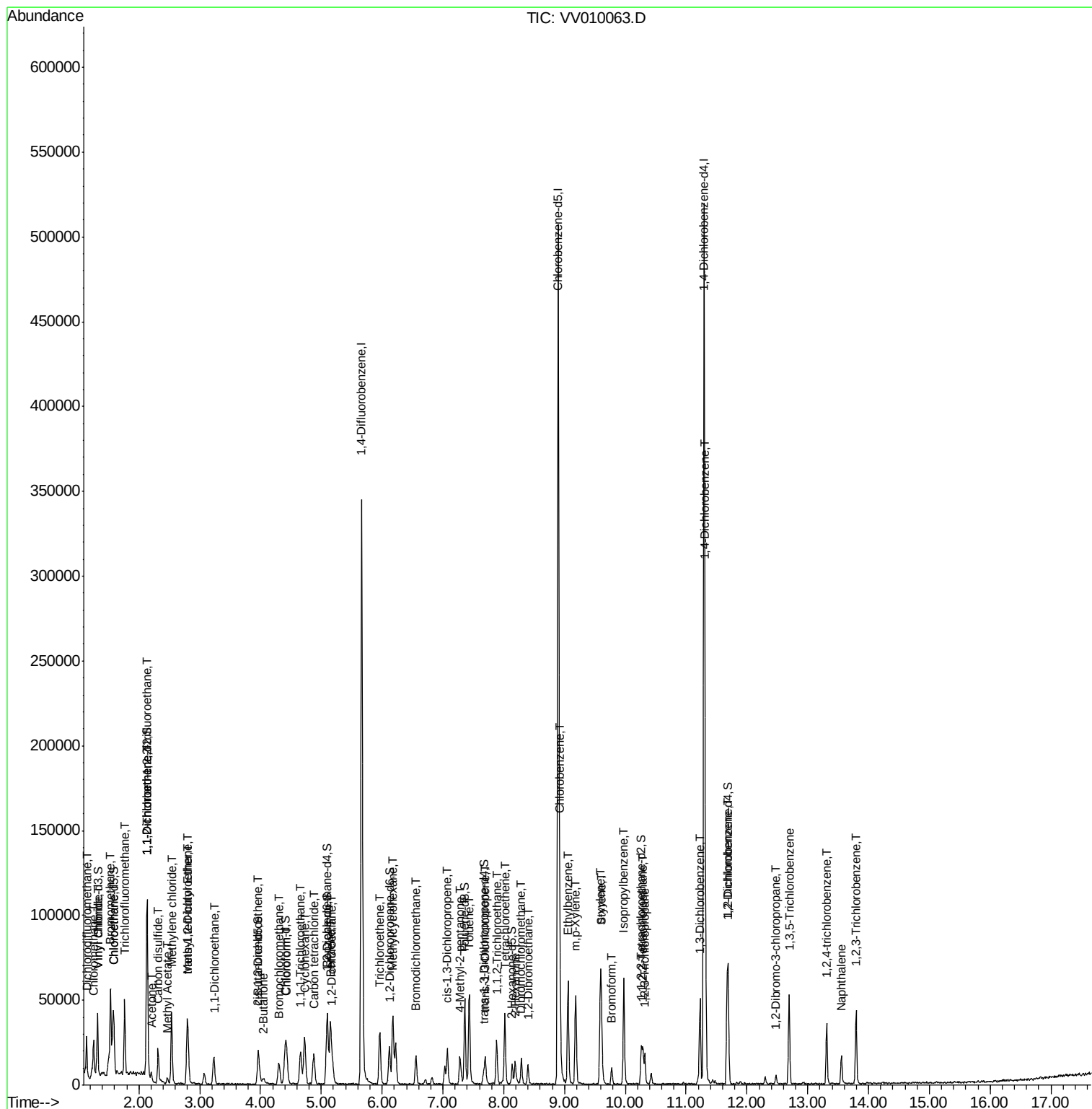
Quant Time: Apr 02 16:24:15 2019

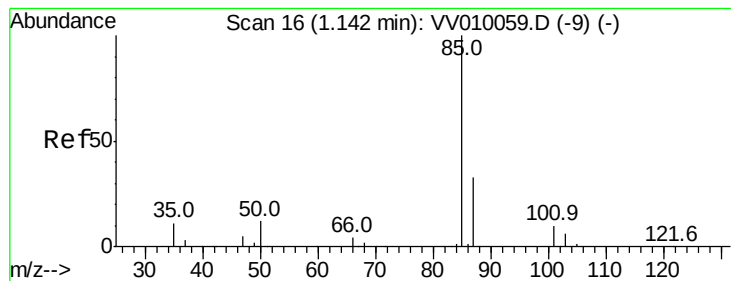
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM040219S.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 02 14:35:17 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.789 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampled :

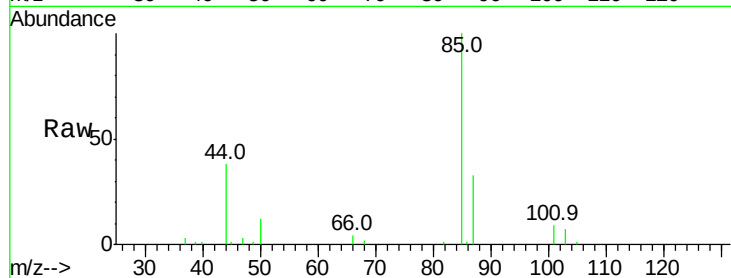
VSTD2.566

Tgt Ion: 85 Resp: 13136

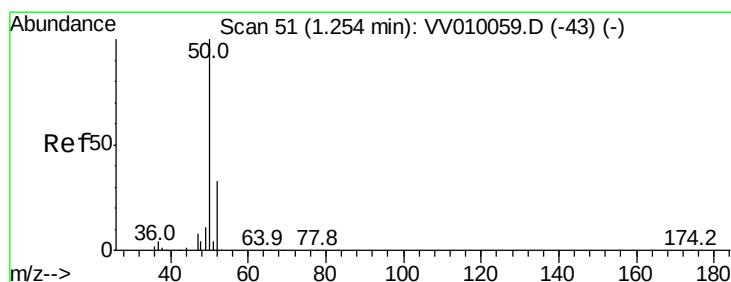
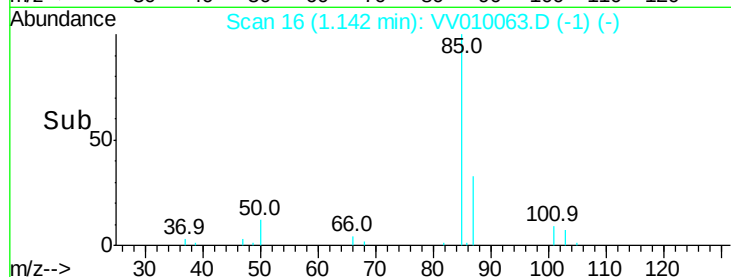
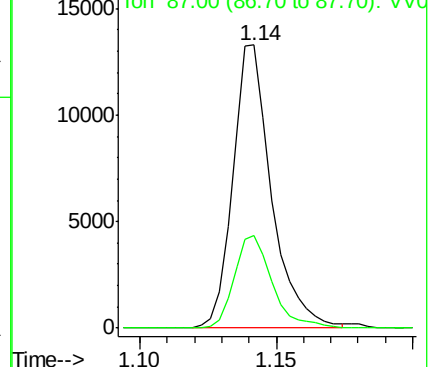
Ion Ratio Lower Upper

85 100

87 32.1 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV010063.D (-1) (-)



#3

Chloromethane

Concen: 2.717 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010063.D

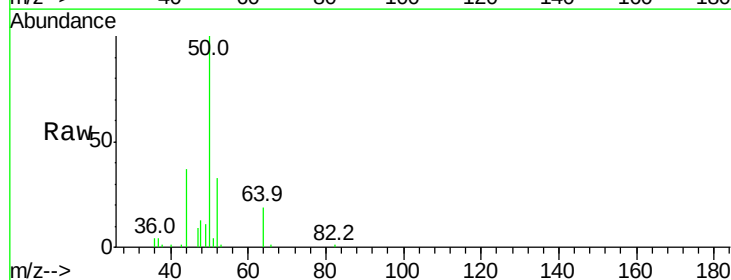
Acq: 02 Apr 2019 15:44

Tgt Ion: 50 Resp: 11178

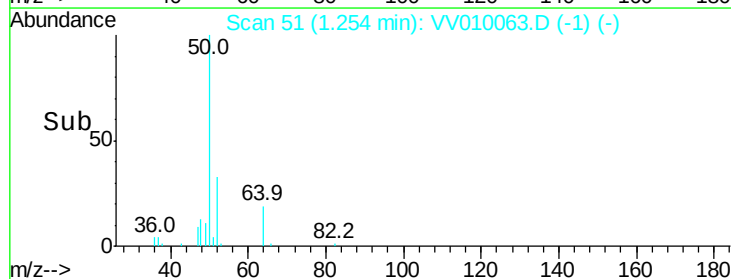
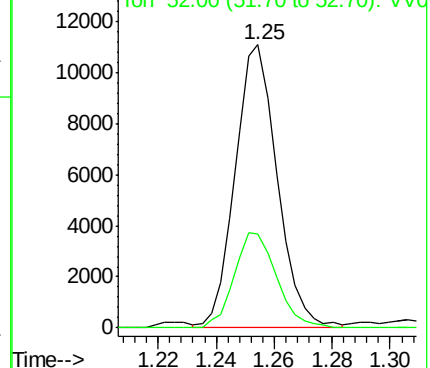
Ion Ratio Lower Upper

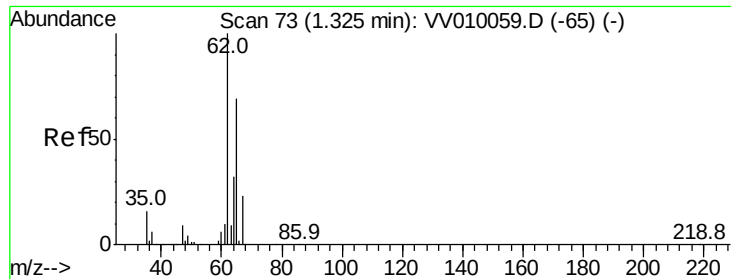
50 100

52 33.1 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010063.D (-1) (-)





#5

Vinyl chloride

Concen: 2.618 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

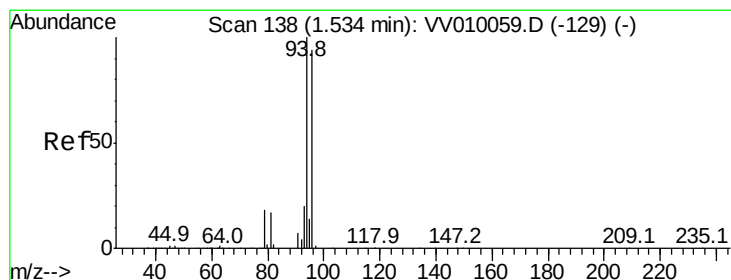
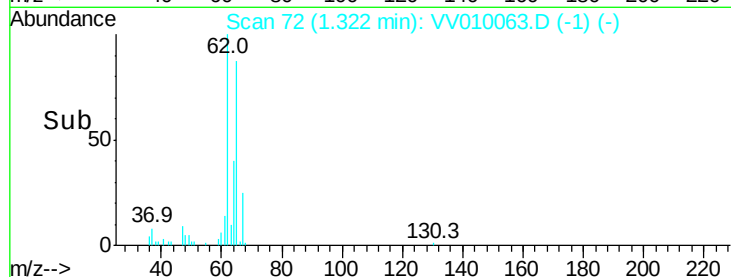
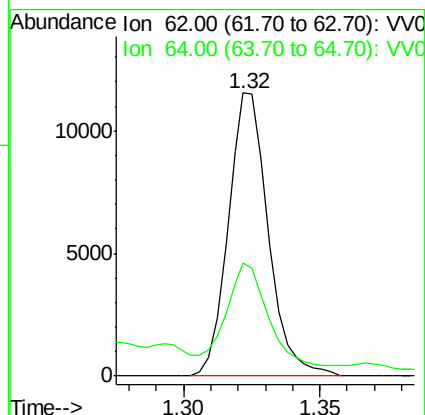
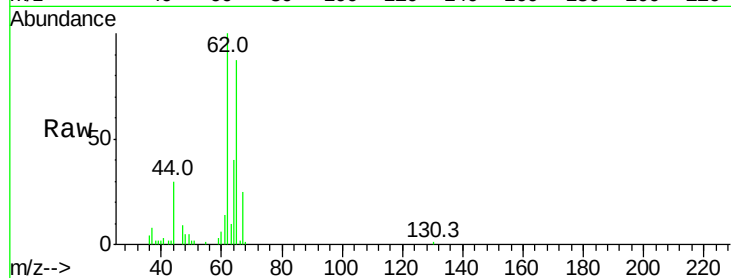
VSTD2.566

Tgt Ion: 62 Resp: 11783

Ion Ratio Lower Upper

62 100

64 39.8 23.4 43.4



#6

Bromomethane

Concen: 3.575 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010063.D

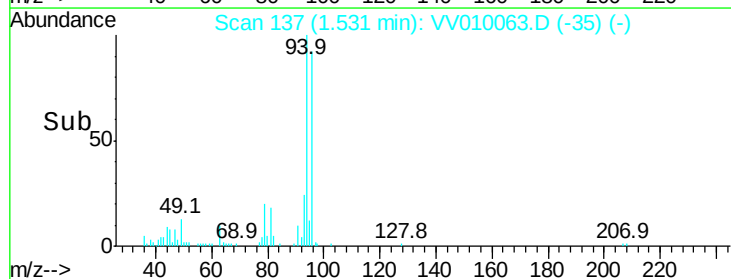
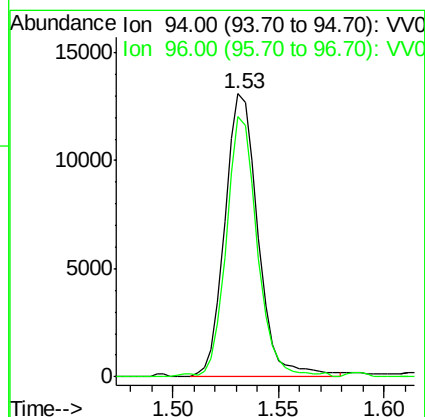
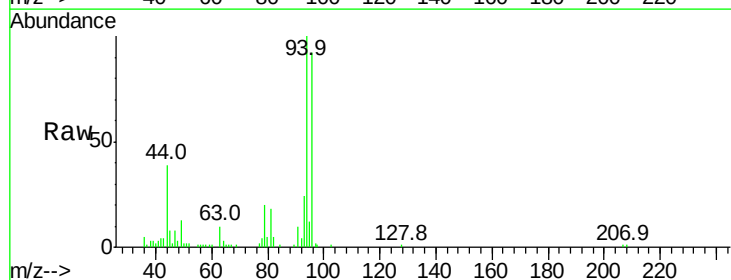
Acq: 02 Apr 2019 15:44

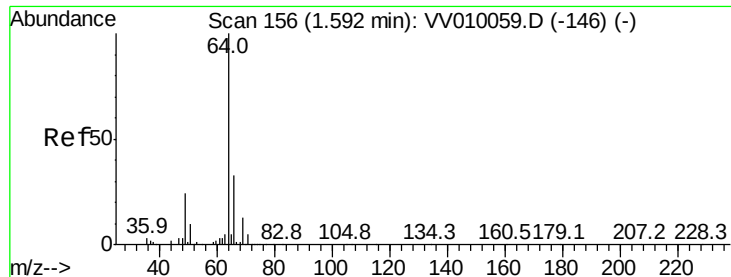
Tgt Ion: 94 Resp: 14340

Ion Ratio Lower Upper

94 100

96 84.6 9.4 177.8





#8

Chloroethane

Concen: 3.607 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

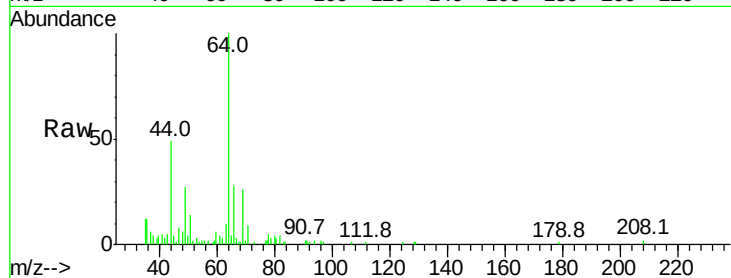
VSTD2.566

Tgt Ion: 64 Resp: 10746

Ion Ratio Lower Upper

64 100

66 28.4 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV010059.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV010059.D (-146) (-)

1.59

10000

8000

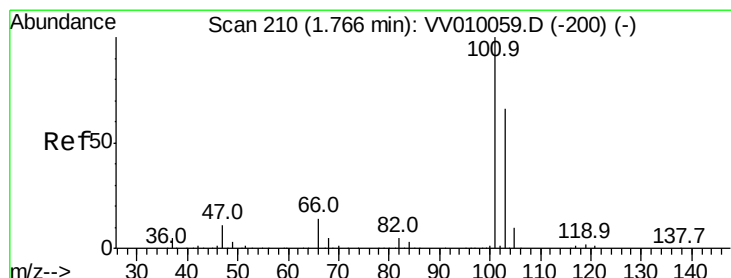
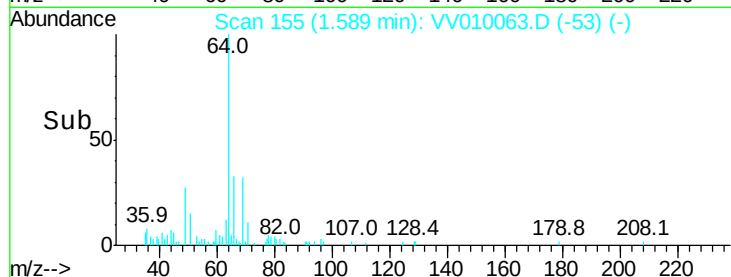
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.545 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010063.D

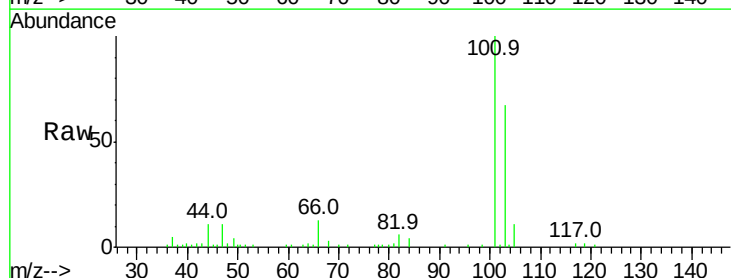
Acq: 02 Apr 2019 15:44

Tgt Ion: 101 Resp: 23579

Ion Ratio Lower Upper

101 100

103 64.0 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): VV010059.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010059.D (-200) (-)

1.77

20000

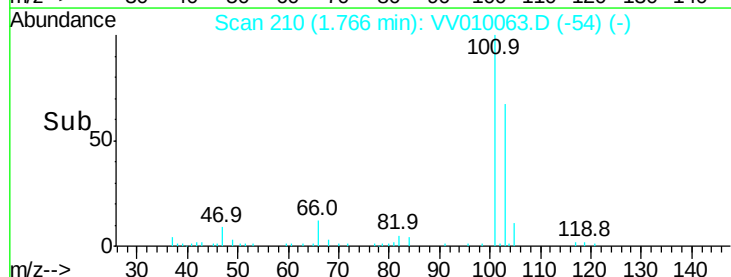
15000

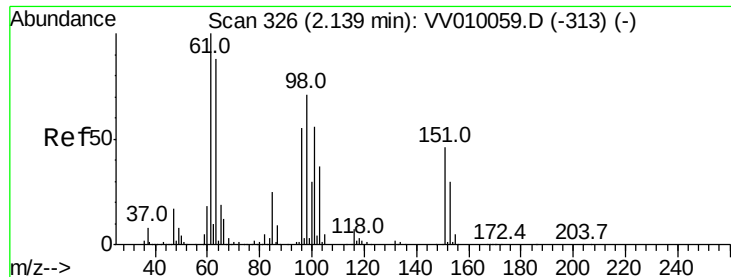
10000

5000

0

Time-->





#11

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

Concen: 2.369 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

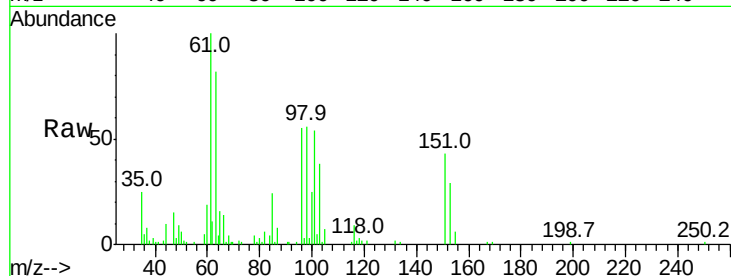
Tgt Ion: 101 Resp: 12423

Ion Ratio Lower Upper

101 100

85 48.4 37.3 55.9

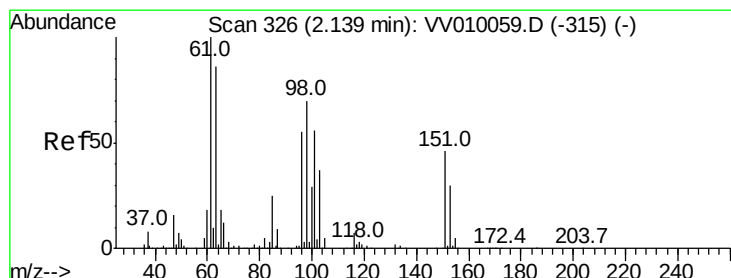
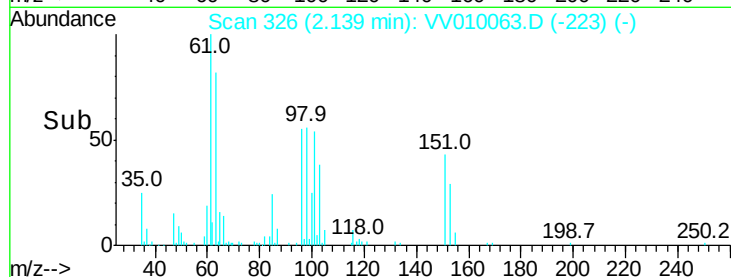
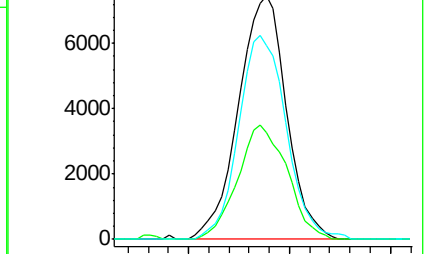
151 83.4 65.4 98.2



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: 2.426 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

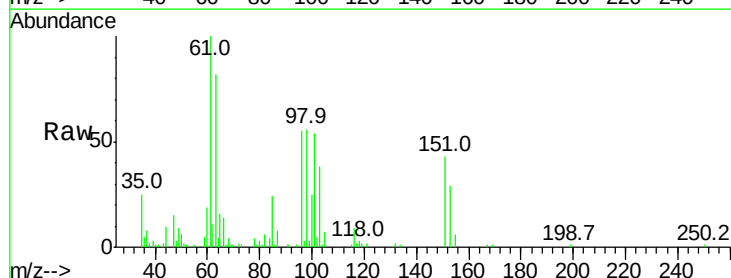
Tgt Ion: 96 Resp: 10966

Ion Ratio Lower Upper

96 100

61 180.5 127.8 237.4

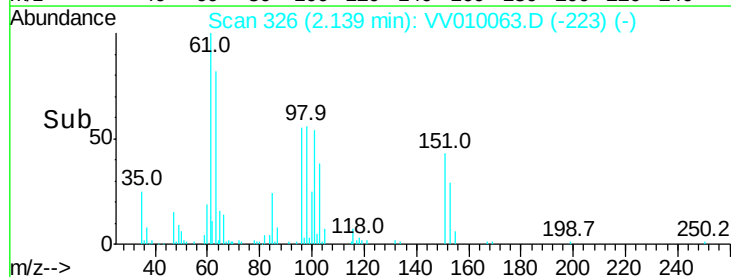
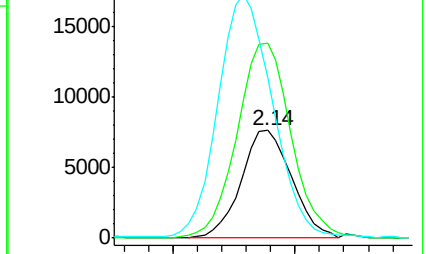
63 148.7 112.6 209.2

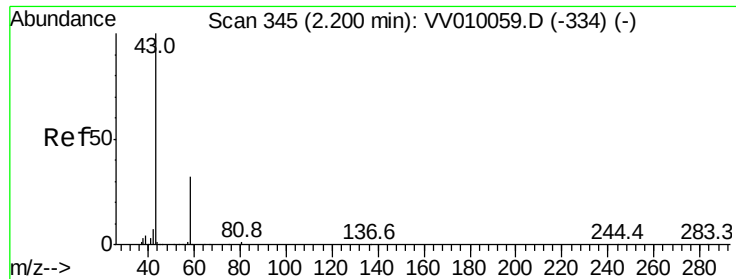


Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-315) (-)

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: 4.801 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

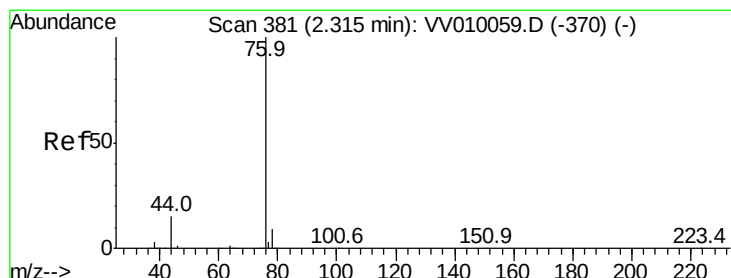
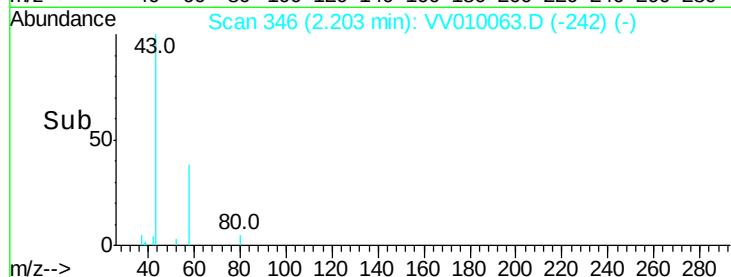
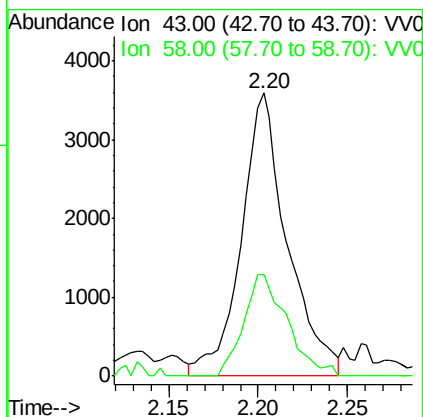
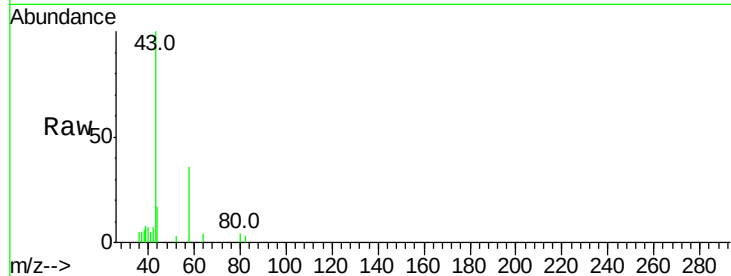
VSTD2.566

Tgt Ion: 43 Resp: 6474

Ion Ratio Lower Upper

43 100

58 33.1 0.0 64.6



#14

Carbon disulfide

Concen: 2.507 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010063.D

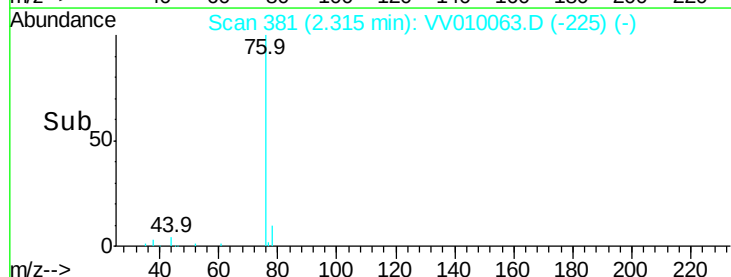
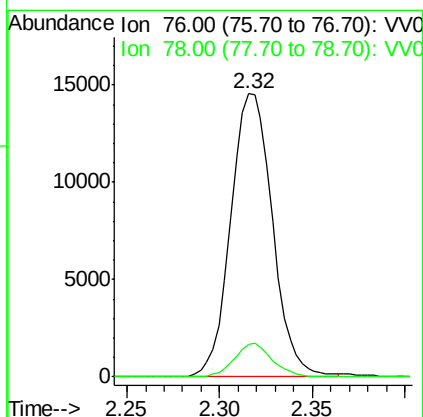
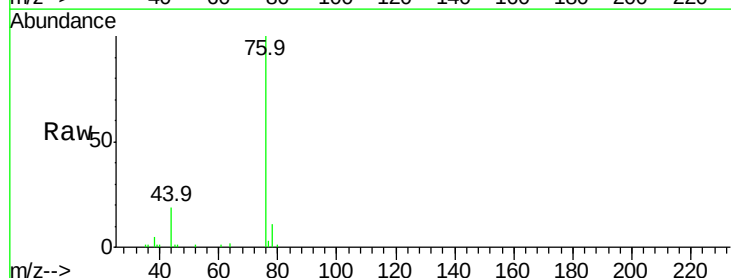
Acq: 02 Apr 2019 15:44

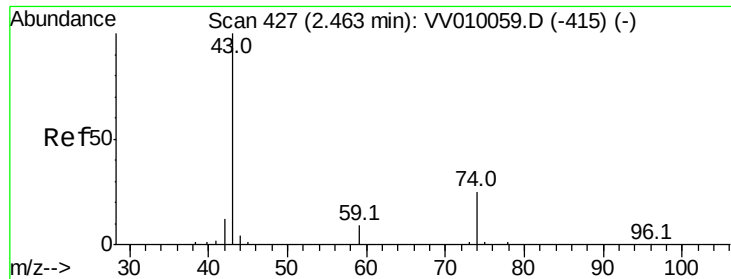
Tgt Ion: 76 Resp: 22754

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#

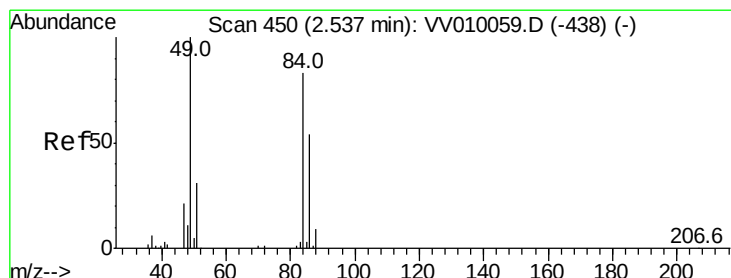
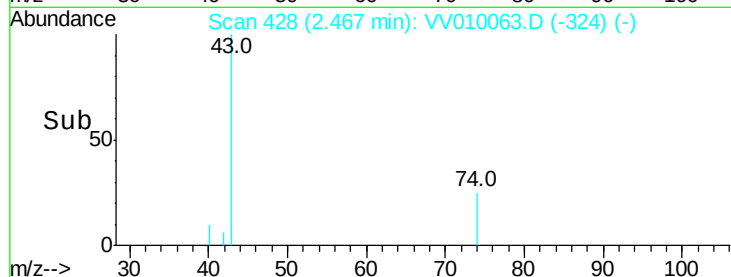
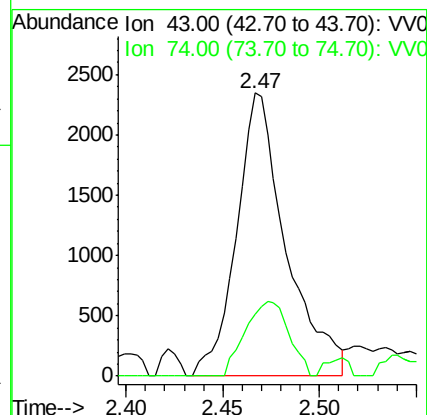
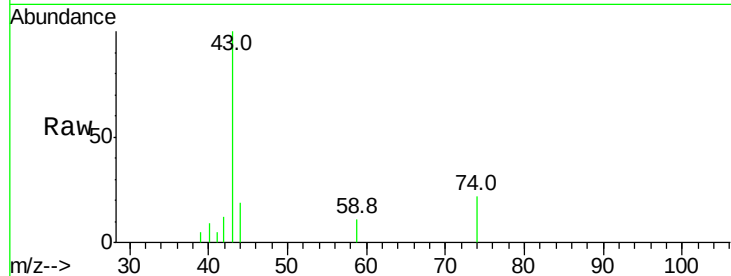




#15
Methyl Acetate
Concen: 2.139 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

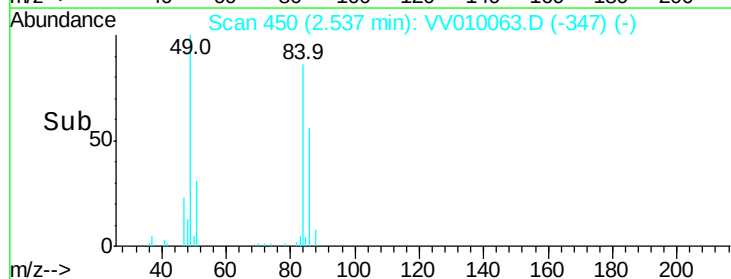
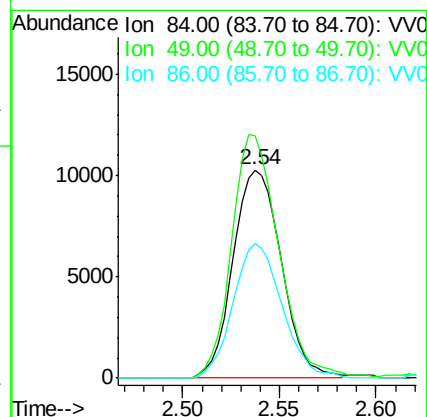
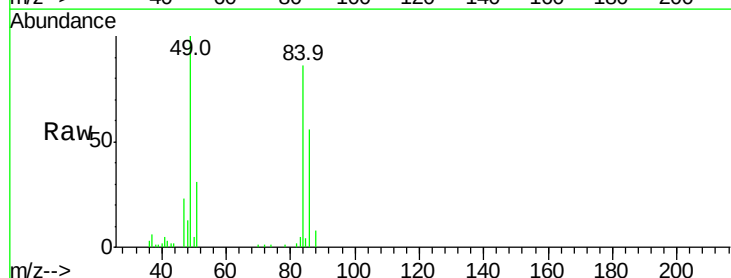
Instrument :
MSVOA_V
ClientSampled :
VSTD2.566

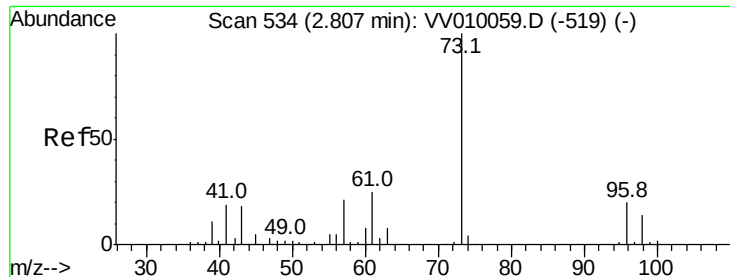
Tgt Ion: 43 Resp: 4186
Ion Ratio Lower Upper
43 100
74 23.2 20.0 30.0



#16
Methylene chloride
Concen: 3.343 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 84 Resp: 17861
Ion Ratio Lower Upper
84 100
49 116.6 84.3 156.5
86 64.7 45.4 84.2

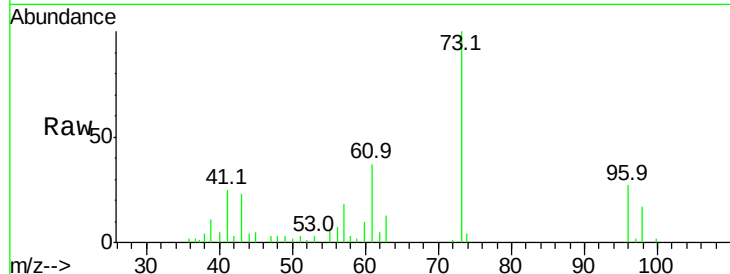




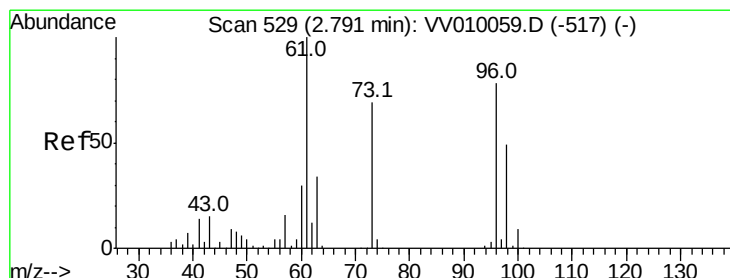
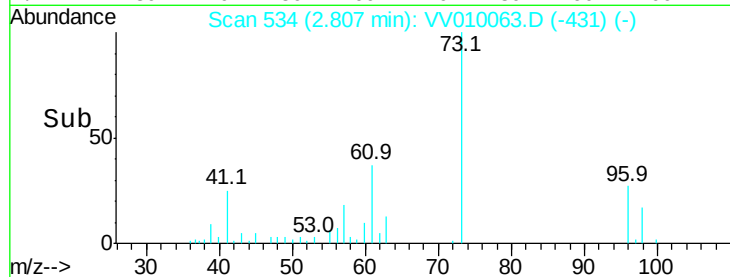
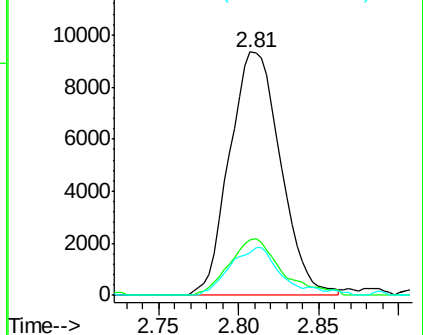
#17
Methyl tert-butyl Ether
Concen: 2.188 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Tgt Ion: 73 Resp: 20392
Ion Ratio Lower Upper
73 100
43 23.7 15.5 23.3#
57 18.4 16.8 25.2

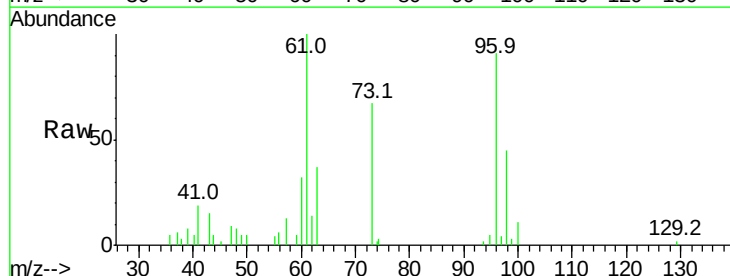


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

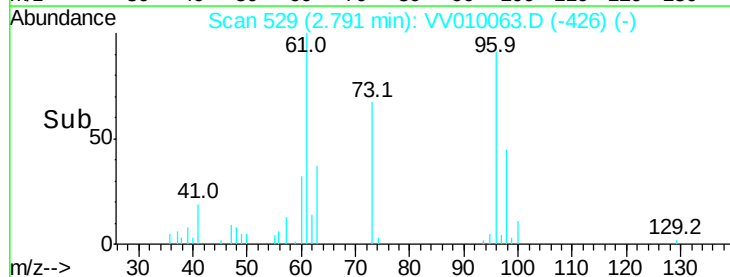
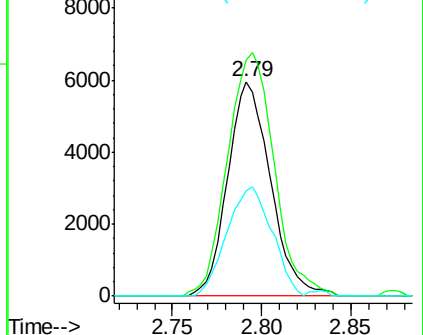


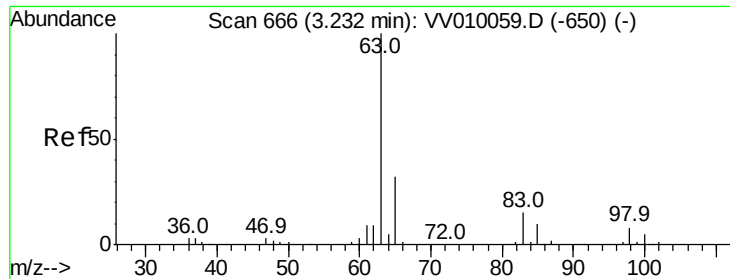
#18
trans-1,2-Dichloroethene
Concen: 2.646 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 96 Resp: 9950
Ion Ratio Lower Upper
96 100
61 109.9 90.0 167.2
98 49.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

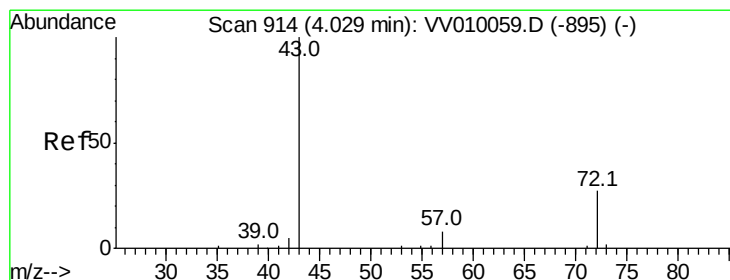
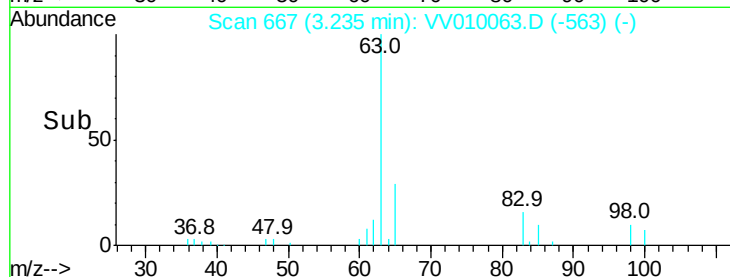
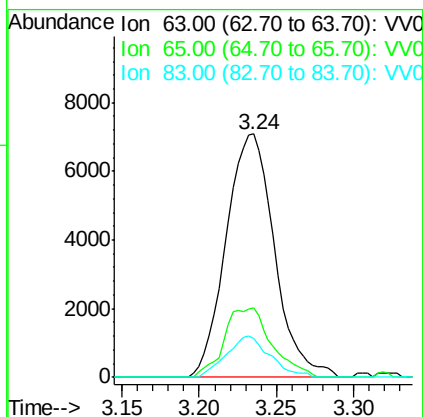
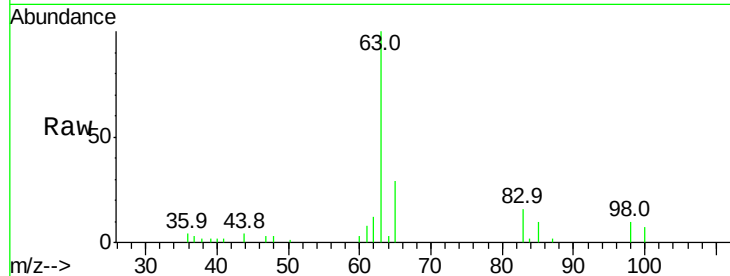




#19
 1,1-Dichloroethane
 Concen: 2.329 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

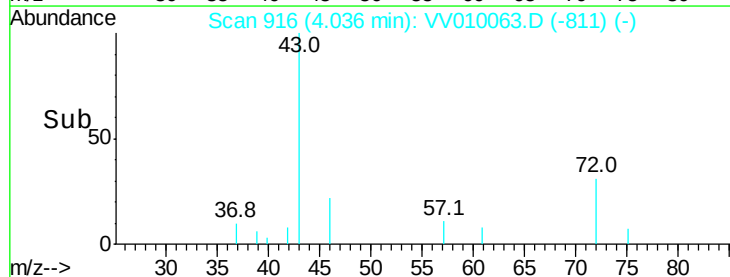
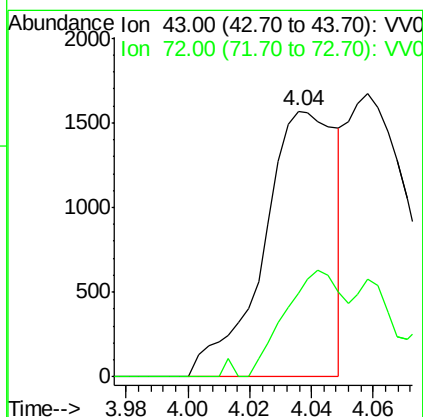
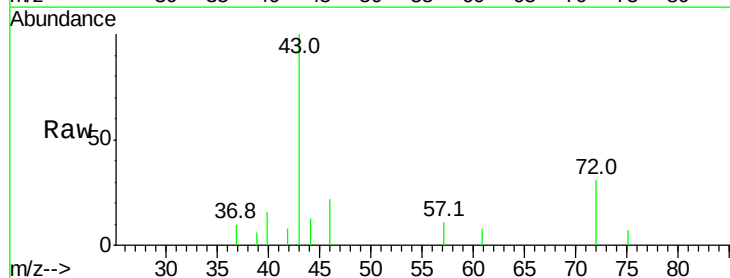
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

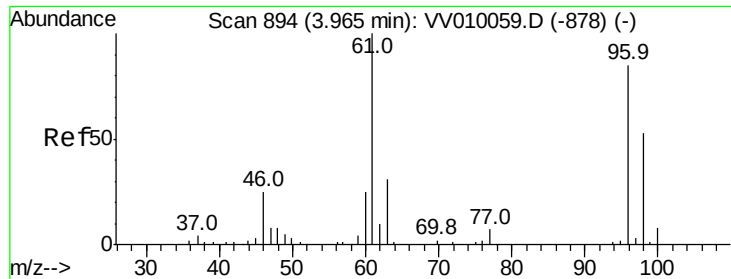
Tgt Ion: 63 Resp: 15405
 Ion Ratio Lower Upper
 63 100
 65 28.8 22.3 41.3
 83 16.0 10.4 19.4



#21
 2-Butanone
 Concen: 2.002 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Tgt Ion: 43 Resp: 2566
 Ion Ratio Lower Upper
 43 100
 72 32.2 12.8 38.4



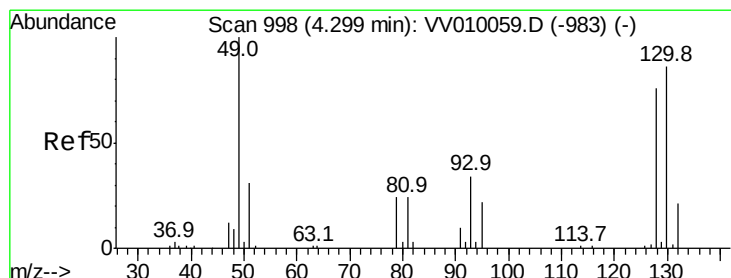
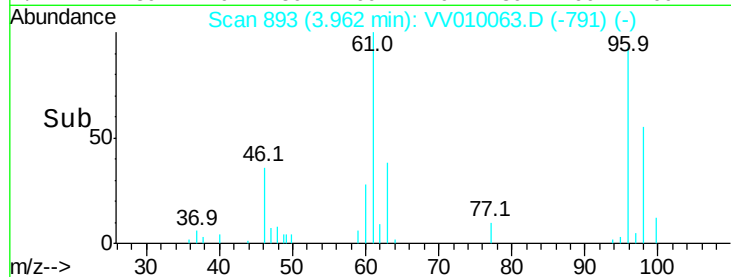
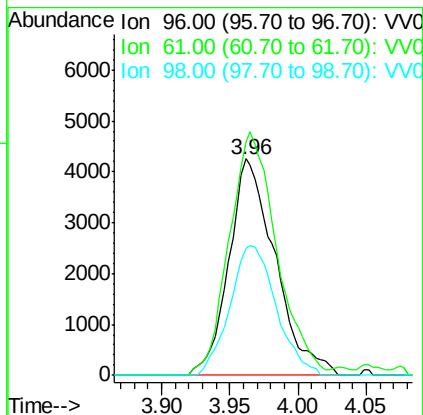
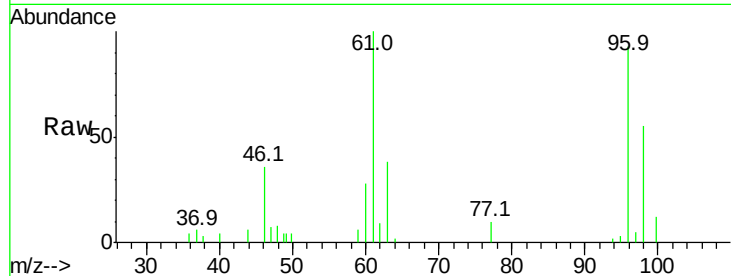


#22

cis-1,2-Dichloroethene
Concen: 2.384 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

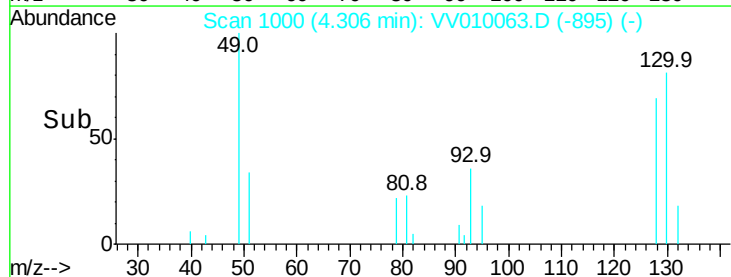
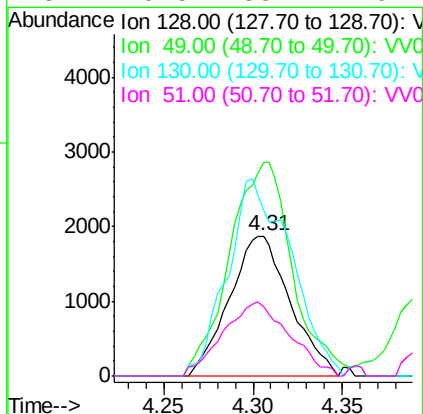
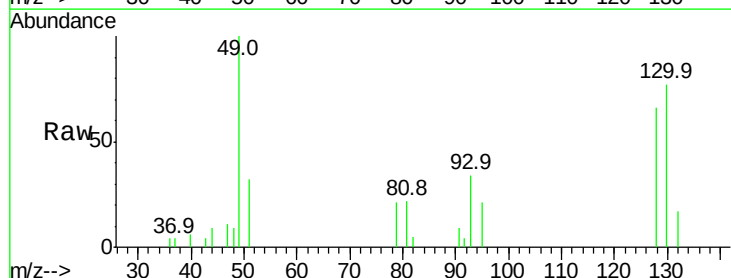
Tgt Ion: 96 Resp: 10049
Ion Ratio Lower Upper
96 100
61 107.9 82.7 153.5
98 58.9 43.9 81.5

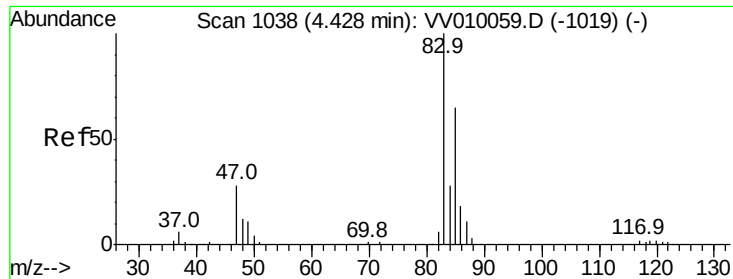


#23

Bromochloromethane
Concen: 2.147 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 128 Resp: 4472
Ion Ratio Lower Upper
128 100
49 152.5 92.8 172.4
130 117.7 80.6 149.6
51 49.5 33.1 49.7

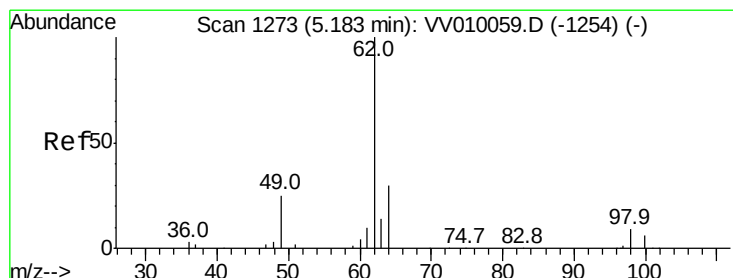
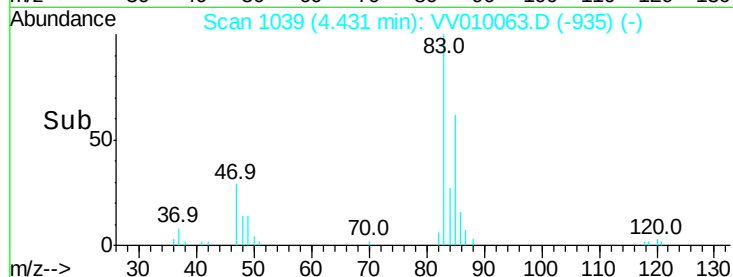
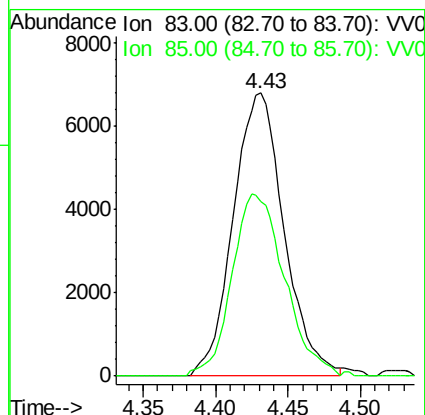
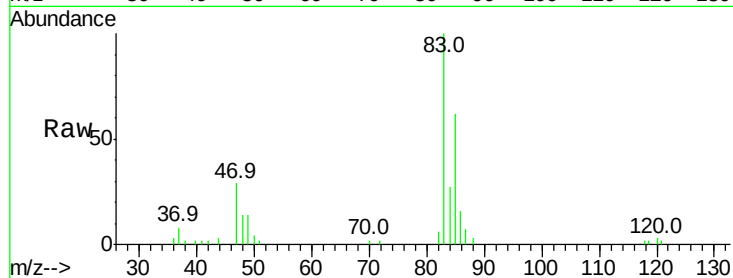




#25
Chloroform
Concen: 2.141 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

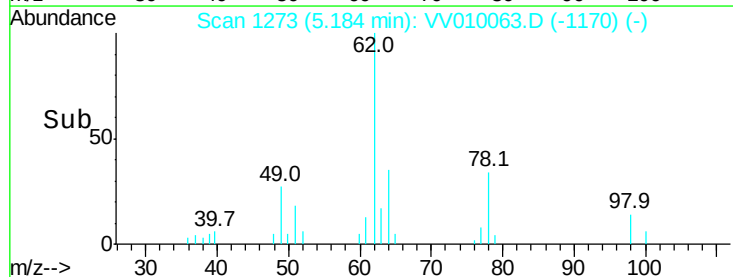
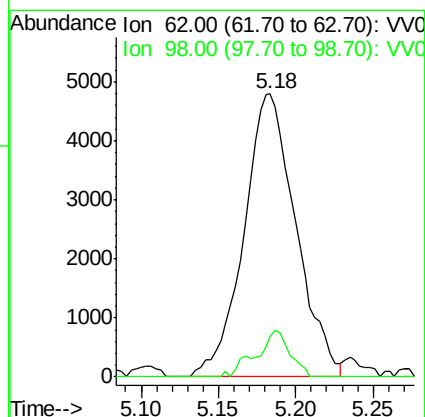
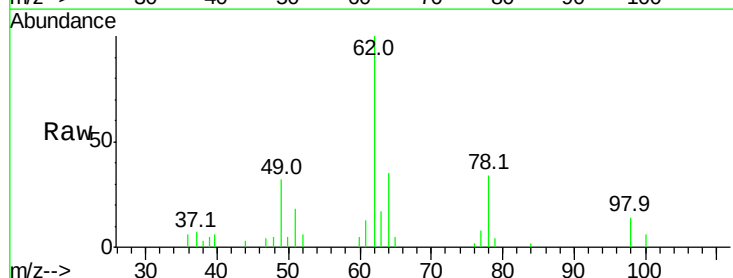
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

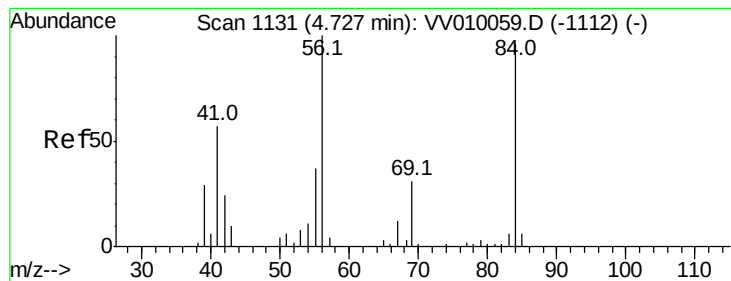
Tgt Ion: 83 Resp: 16595
Ion Ratio Lower Upper
83 100
85 66.2 46.4 86.2



#27
1,2-Dichloroethane
Concen: 2.276 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 62 Resp: 11204
Ion Ratio Lower Upper
62 100
98 14.4 7.2 10.8#





#30

Cyclohexane

Concen: 2.562 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

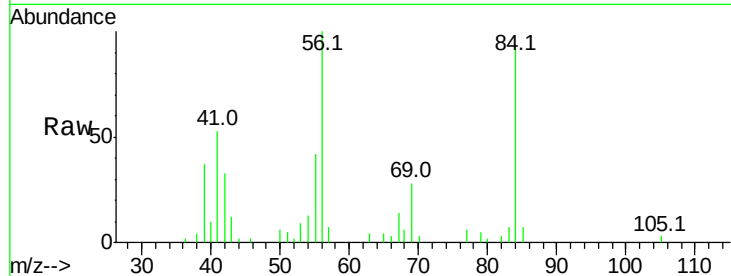
Tgt Ion: 56 Resp: 13300

Ion Ratio Lower Upper

56 100

69 14.4 25.1 37.7#

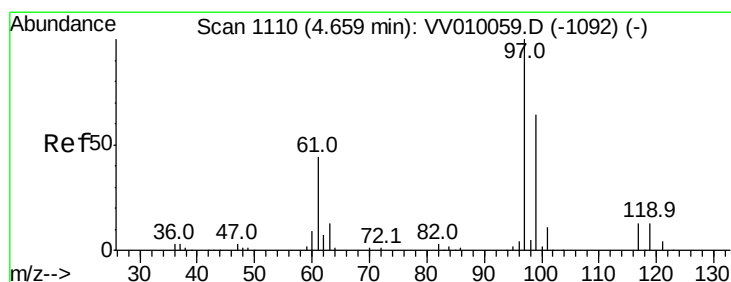
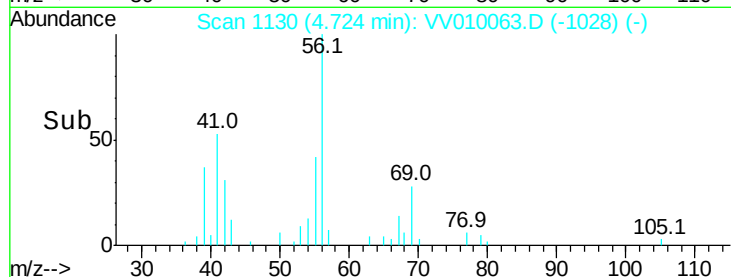
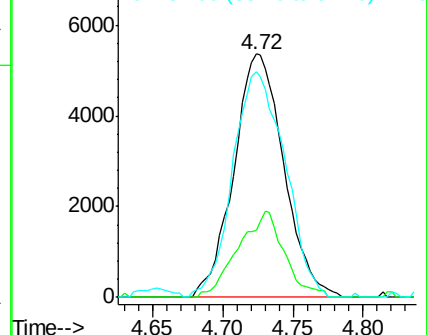
84 96.8 76.0 114.0



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: 2.506 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

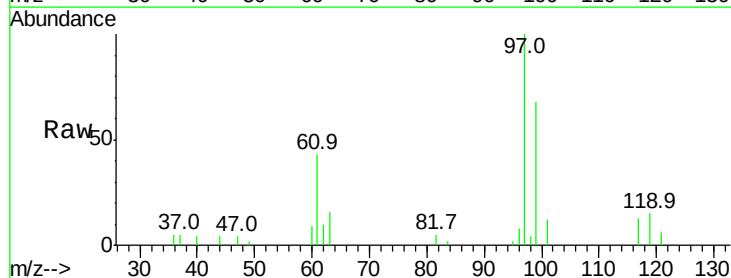
Tgt Ion: 97 Resp: 14547

Ion Ratio Lower Upper

97 100

99 36.3 52.4 78.6#

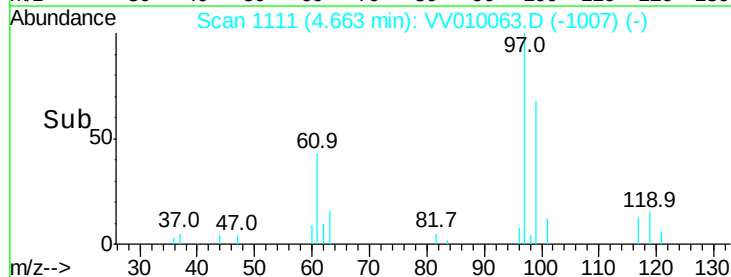
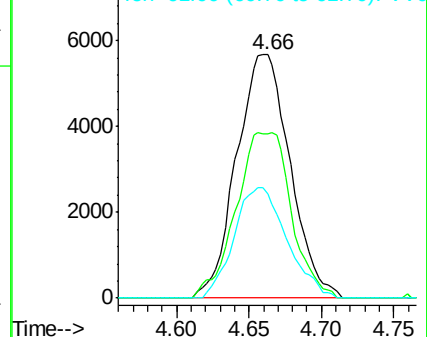
61 44.7 34.1 51.1

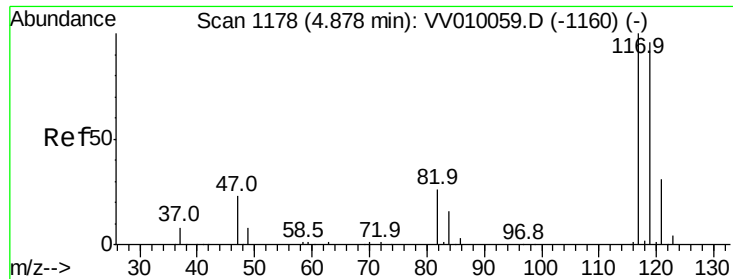


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 2.285 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

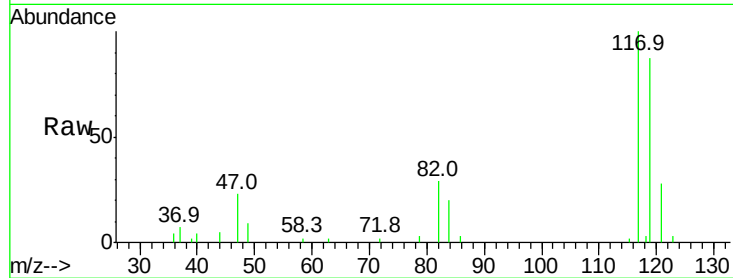
VSTD2.566

Tgt Ion:117 Resp: 12082

Ion Ratio Lower Upper

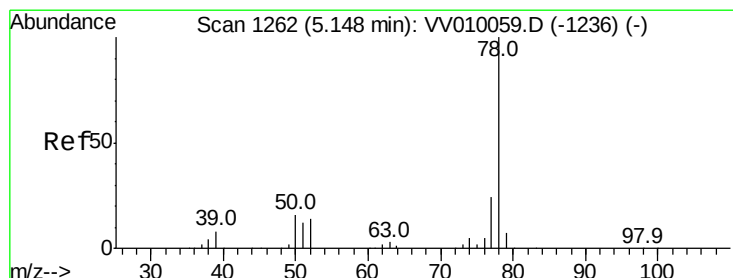
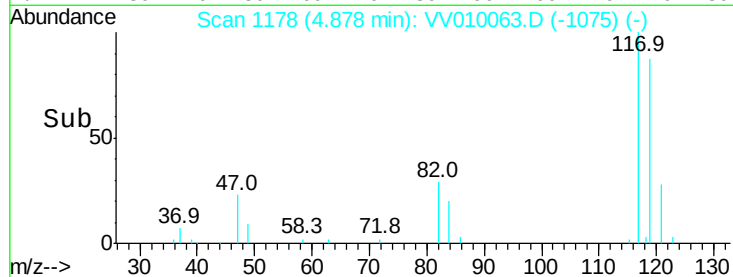
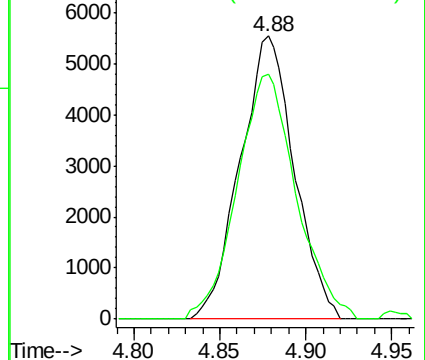
117 100

119 94.4 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: 2.574 ug/L

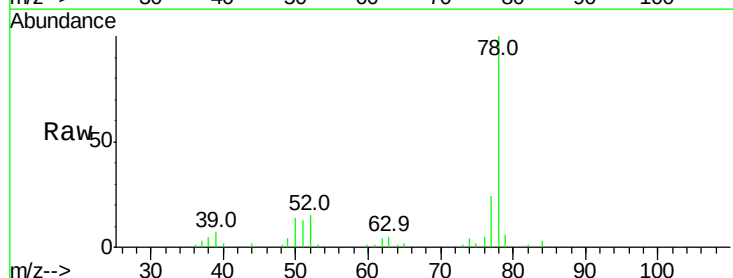
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

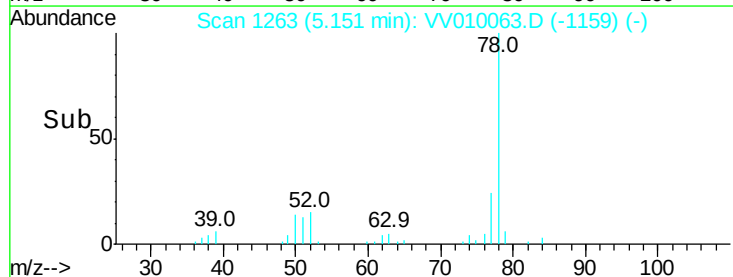
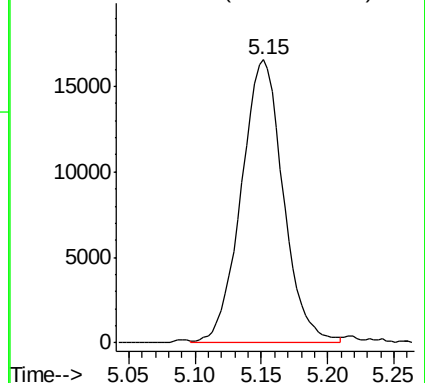
Lab File: VV010063.D

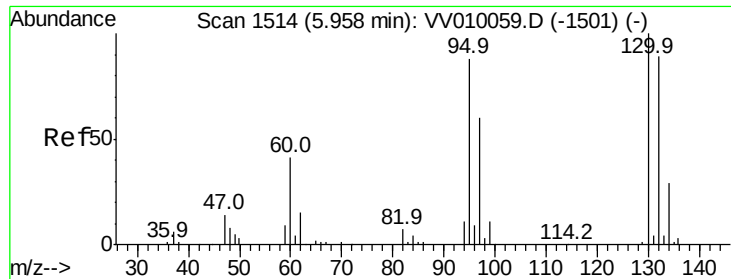
Acq: 02 Apr 2019 15:44

Tgt Ion: 78 Resp: 36631



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.541 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

Tgt Ion: 95 Resp: 10340

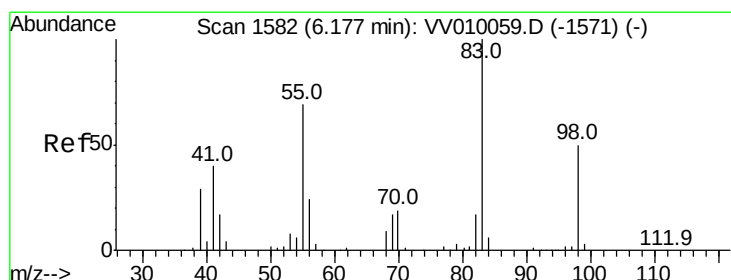
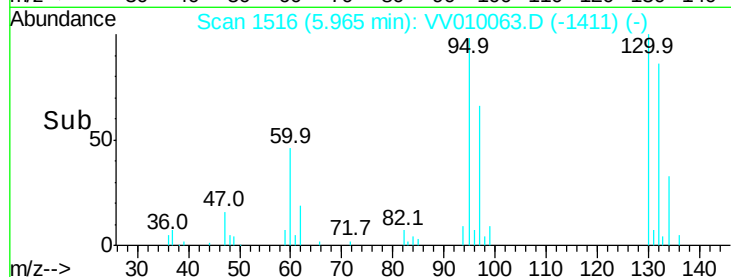
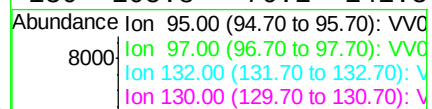
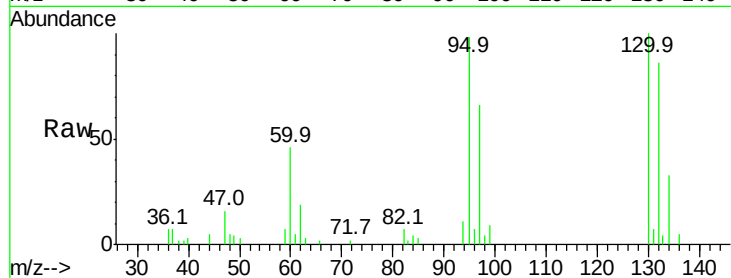
Ion Ratio Lower Upper

95 100

97 68.0 45.8 85.2

132 102.0 70.6 131.0

130 105.8 76.1 141.3



#36

Methylcyclohexane

Concen: 2.539 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

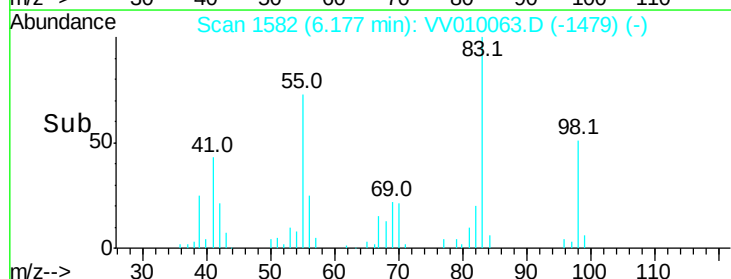
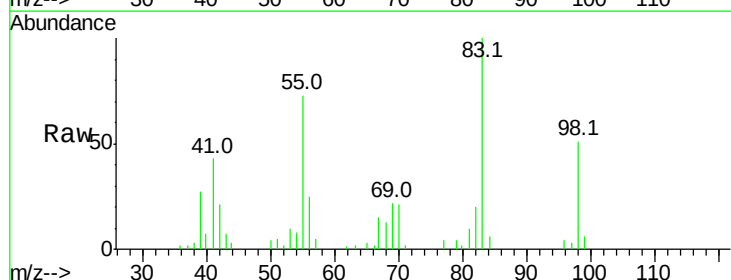
Tgt Ion: 83 Resp: 15897

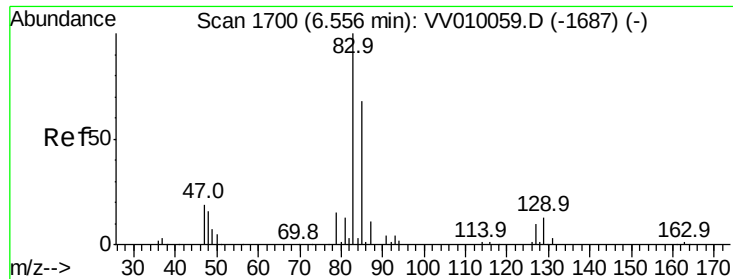
Ion Ratio Lower Upper

83 100

55 69.7 56.3 84.5

98 50.7 39.0 58.6





#41

Bromodichloromethane

Concen: 2.335 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

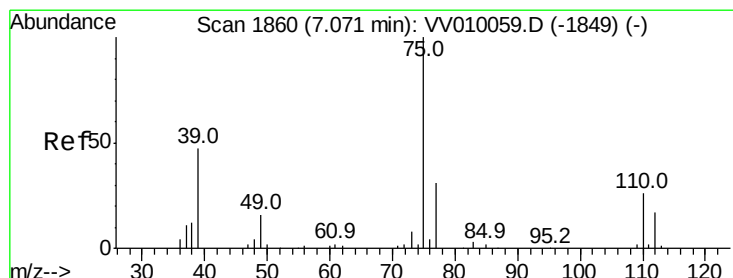
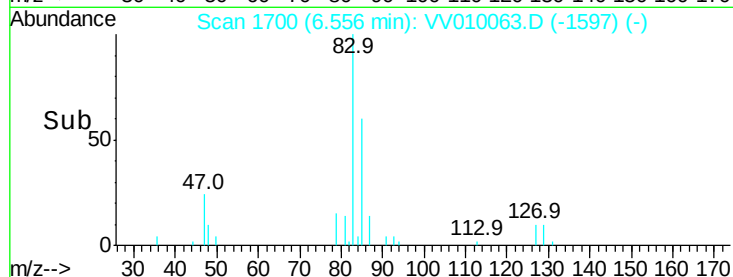
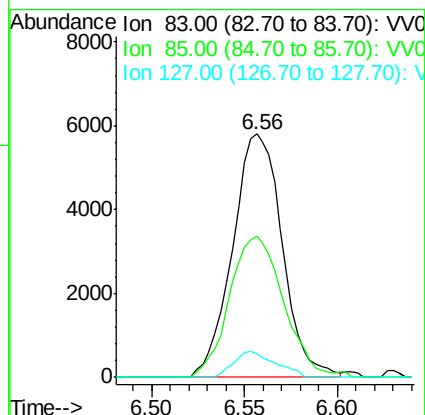
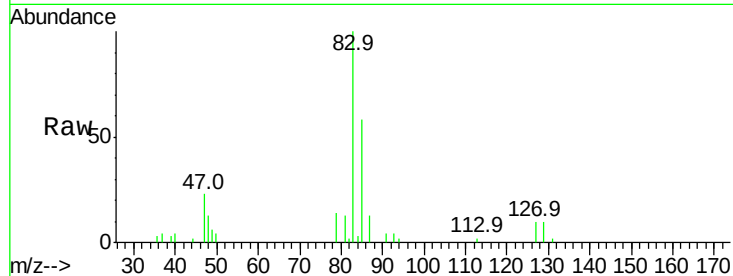
Tgt Ion: 83 Resp: 10836

Ion Ratio Lower Upper

83 100

85 58.0 47.5 88.3

127 9.5 7.7 11.5



#42

cis-1,3-Dichloropropene

Concen: 2.144 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010063.D

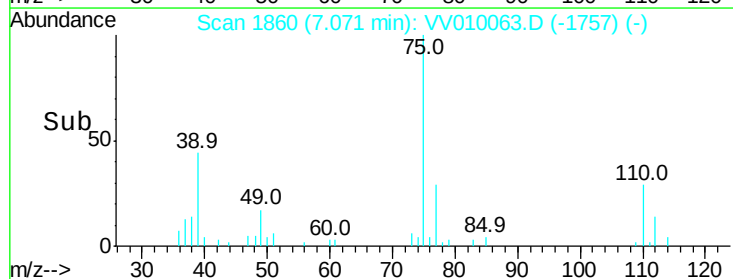
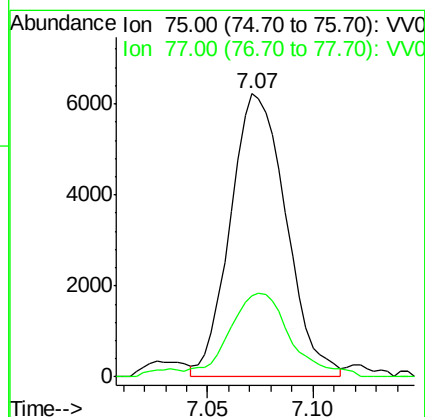
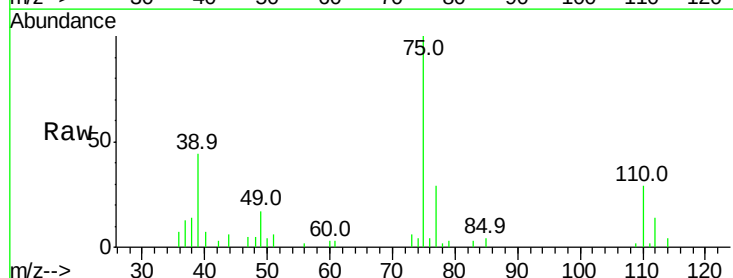
Acq: 02 Apr 2019 15:44

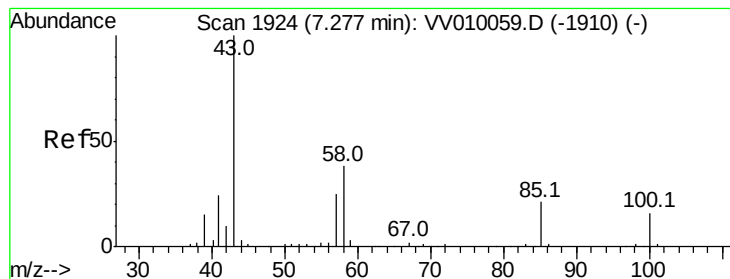
Tgt Ion: 75 Resp: 11420

Ion Ratio Lower Upper

75 100

77 28.6 22.1 41.1





#43

4-Methyl-2-pentanone

Concen: 4.522 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

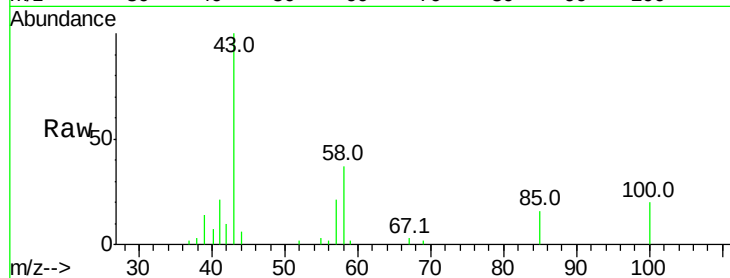
Tgt Ion: 43 Resp: 12034

Ion Ratio Lower Upper

43 100

58 24.8 31.5 47.3#

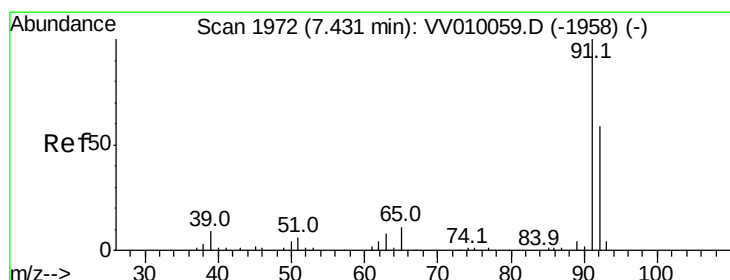
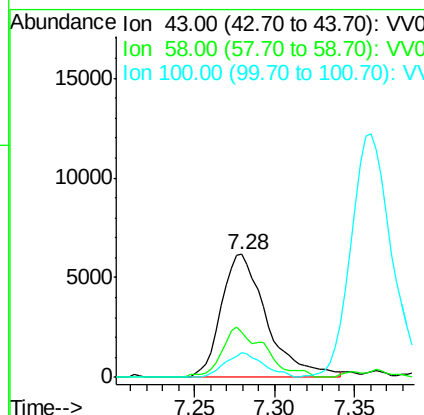
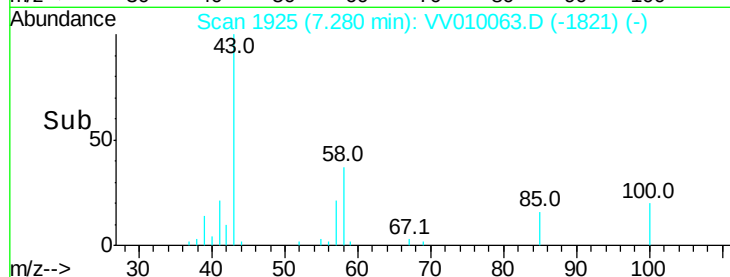
100 16.8 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#44

Toluene

Concen: 2.365 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010063.D

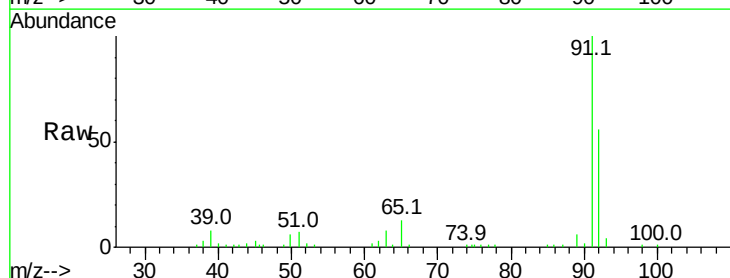
Acq: 02 Apr 2019 15:44

Tgt Ion: 91 Resp: 38136

Ion Ratio Lower Upper

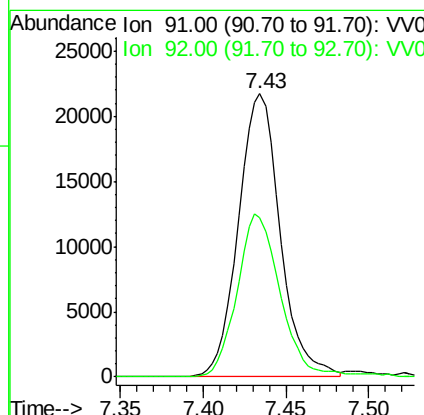
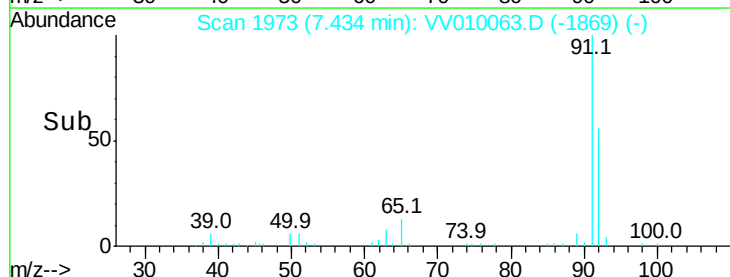
91 100

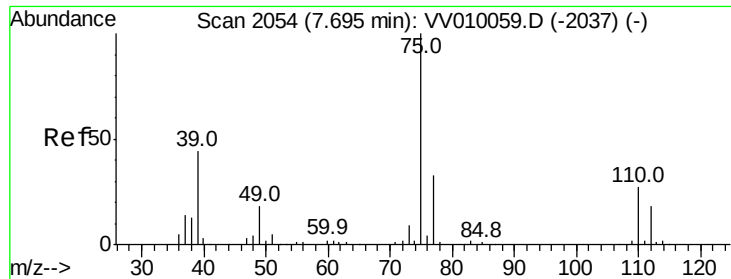
92 56.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 1.876 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

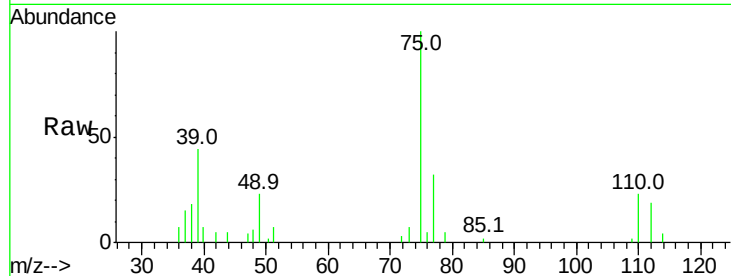
VSTD2.566

Tgt Ion: 75 Resp: 8309

Ion Ratio Lower Upper

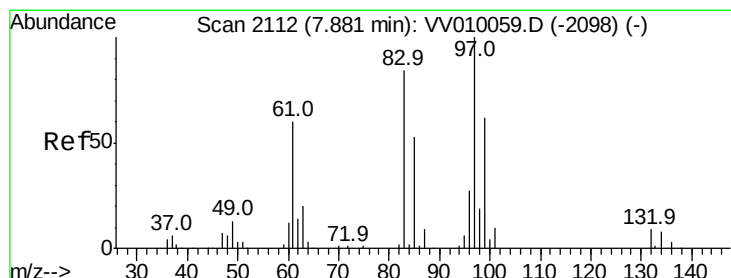
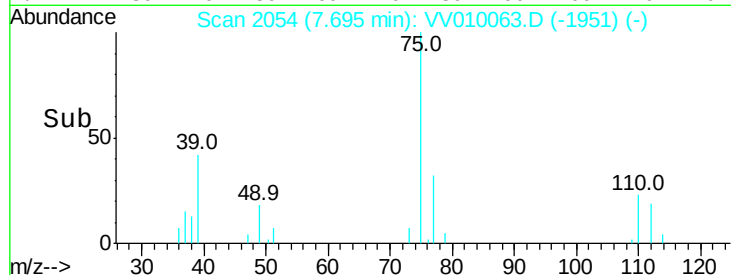
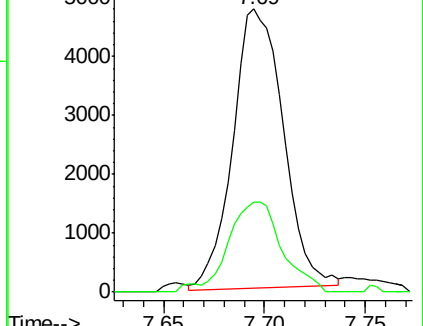
75 100

77 32.0 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#46

1,1,2-Trichloroethane

Concen: 2.398 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Tgt Ion: 97 Resp: 7563

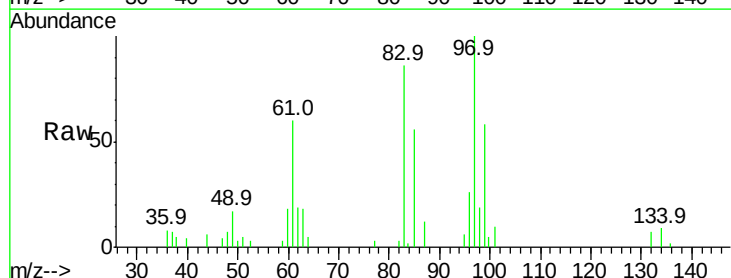
Ion Ratio Lower Upper

97 100

83 86.2 58.5 108.7

85 56.1 37.2 69.2

99 57.9 43.3 80.3

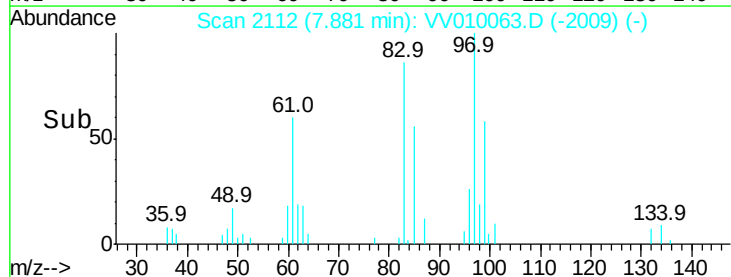
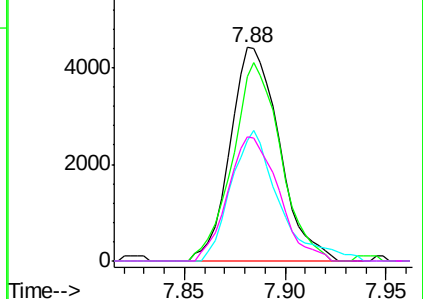


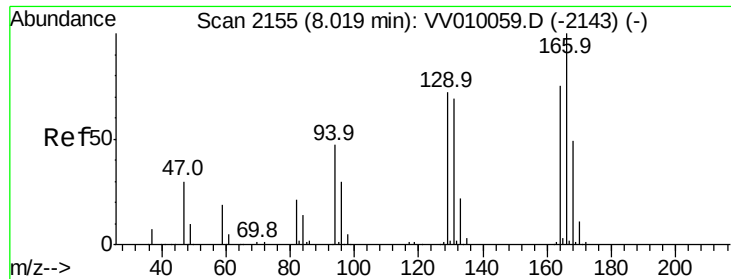
Abundance Ion 97.00 (96.70 to 97.70): VV0

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

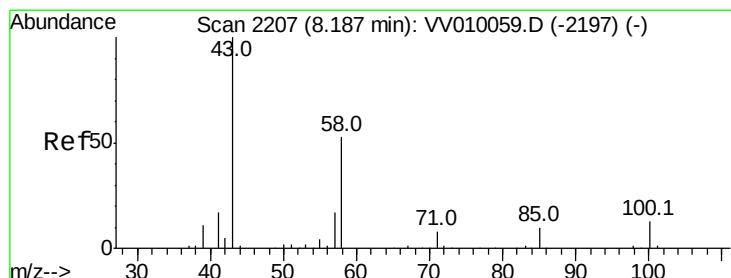
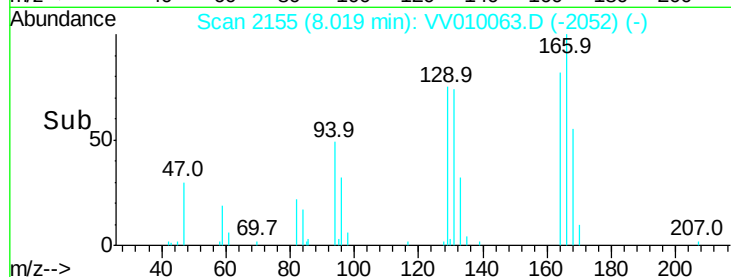
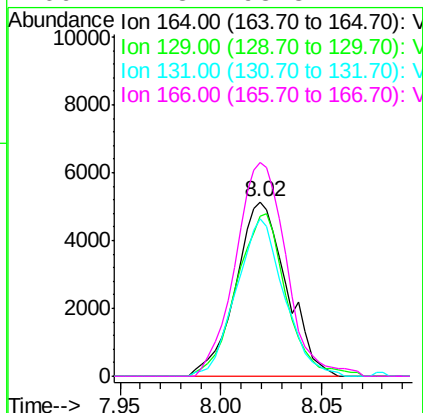
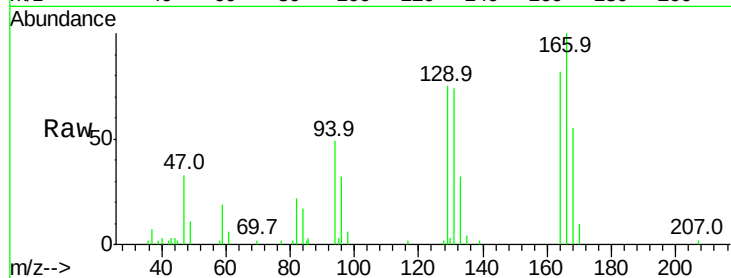




#47
Tetrachloroethene
Concen: 2.623 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

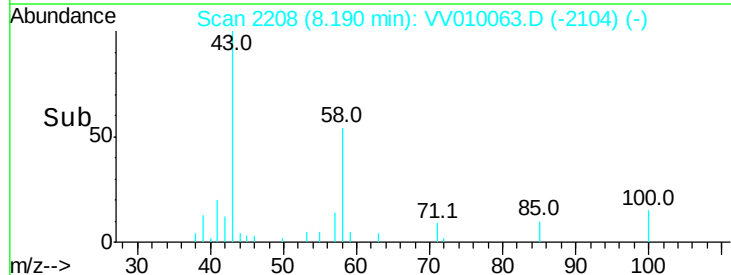
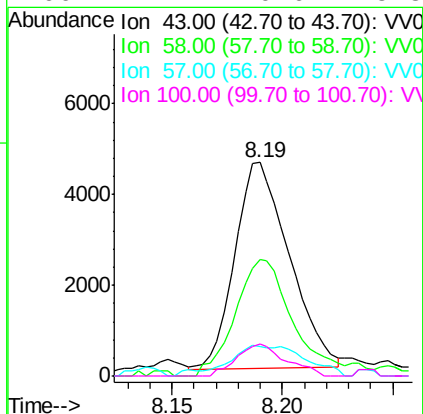
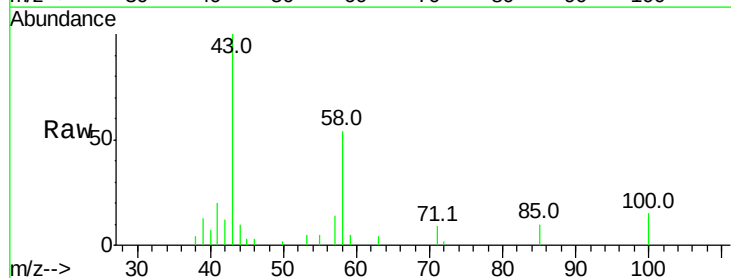
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

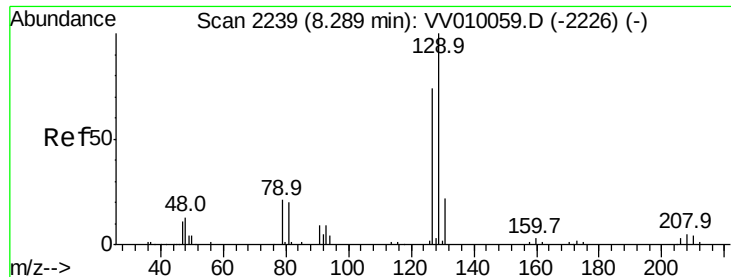
Tgt Ion:164 Resp: 9060
Ion Ratio Lower Upper
164 100
129 91.7 67.8 125.8
131 90.5 65.2 121.0
166 122.3 93.8 174.2



#49
2-Hexanone
Concen: 4.387 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 43 Resp: 7742
Ion Ratio Lower Upper
43 100
58 59.4 44.3 66.5
57 7.6 13.8 20.8#
100 14.1 10.6 15.8





#50

Dibromochloromethane

Concen: 1.964 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

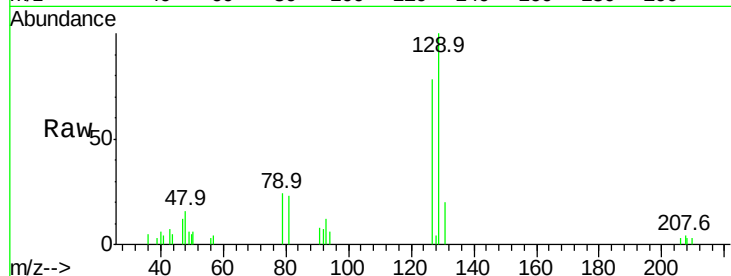
VSTD2.566

Tgt Ion:129 Resp: 7163

Ion Ratio Lower Upper

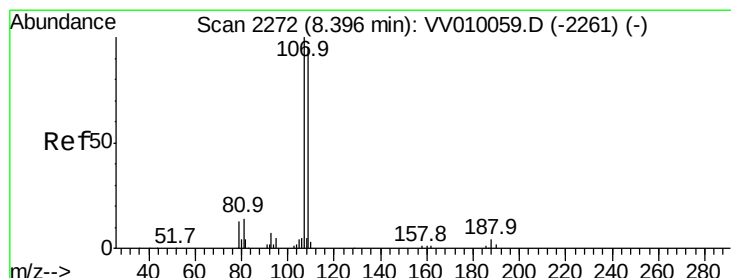
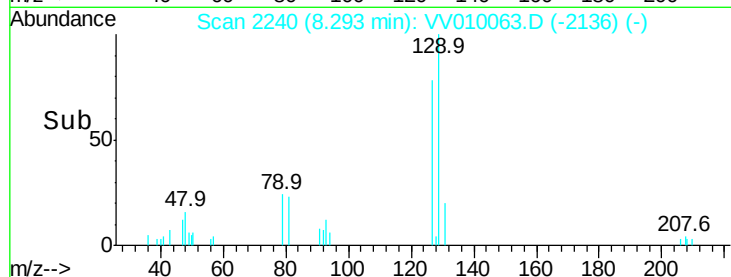
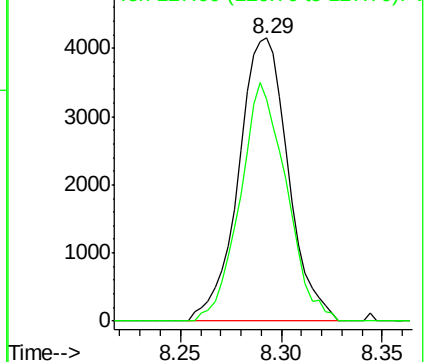
129 100

127 78.5 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.288 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

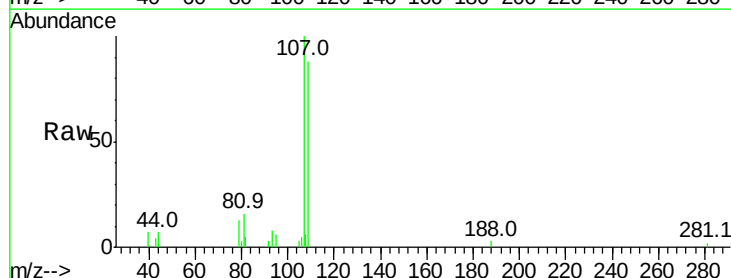
Tgt Ion:107 Resp: 7235

Ion Ratio Lower Upper

107 100

109 87.7 66.5 123.5

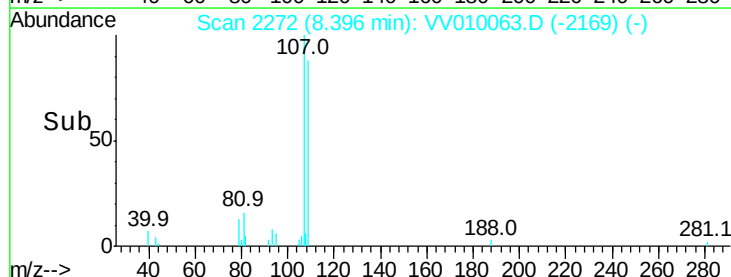
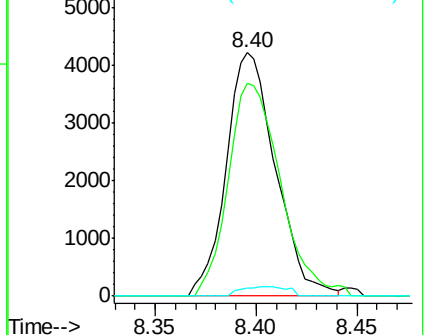
188 3.2 3.3 4.9#

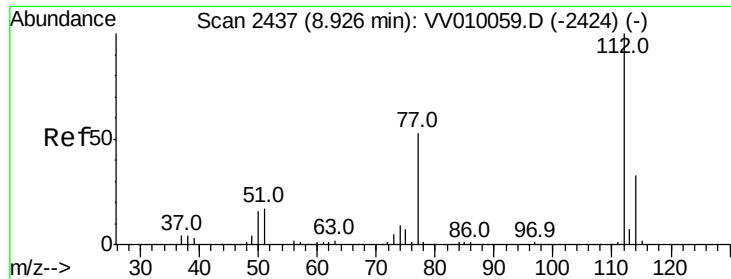


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

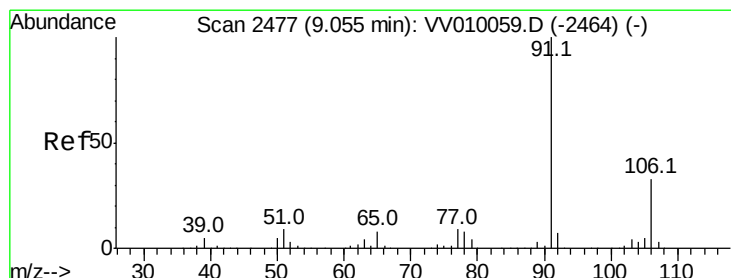
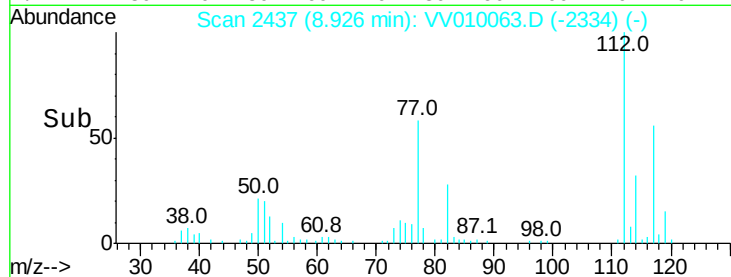
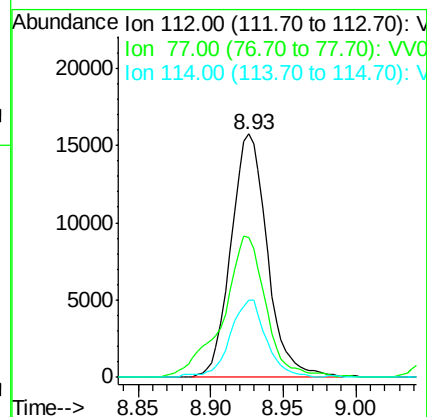
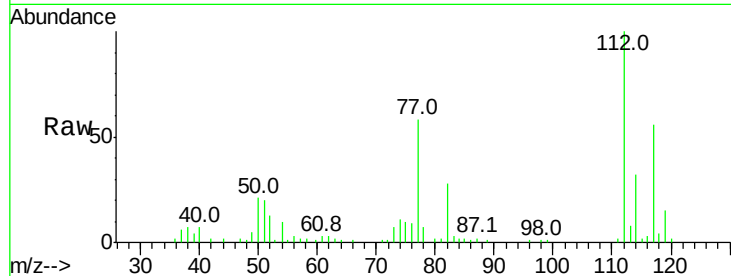




#52
Chlorobenzene
Concen: 2.463 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

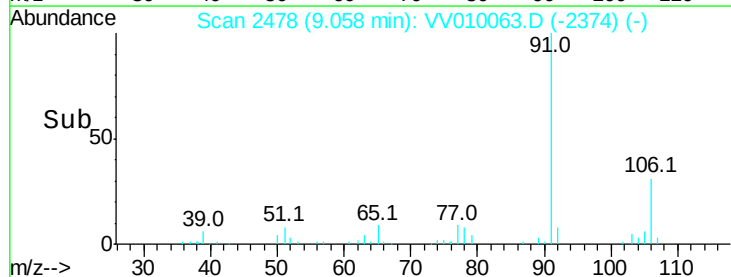
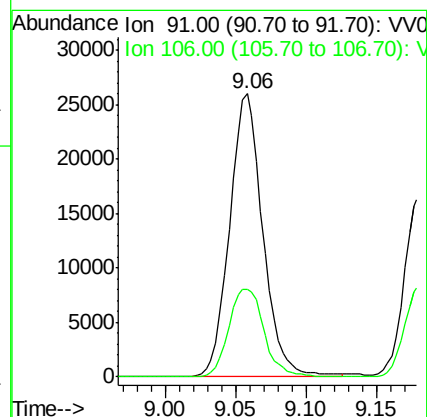
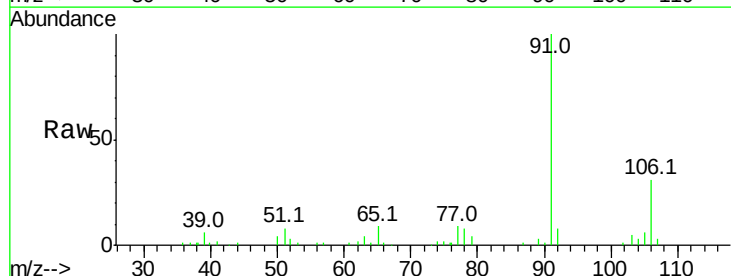
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

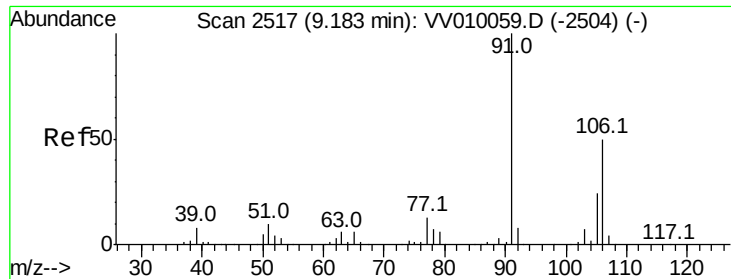
Tgt Ion: 112 Resp: 27346
Ion Ratio Lower Upper
112 100
77 57.7 42.9 64.3
114 31.8 23.4 43.4



#53
Ethylbenzene
Concen: 2.407 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010063.D
Acq: 02 Apr 2019 15:44

Tgt Ion: 91 Resp: 42894
Ion Ratio Lower Upper
91 100
106 30.9 23.1 42.9

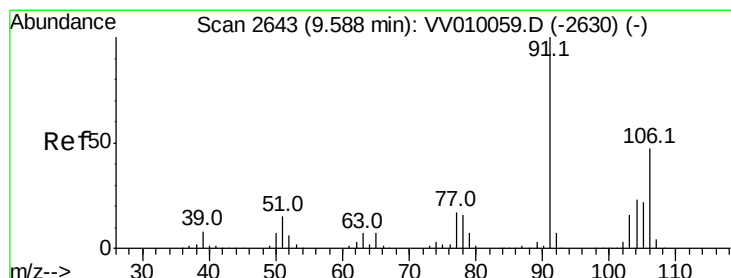
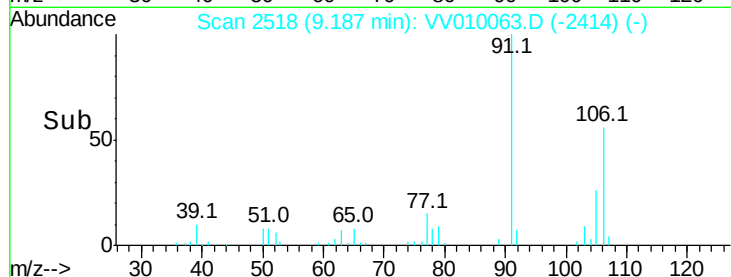
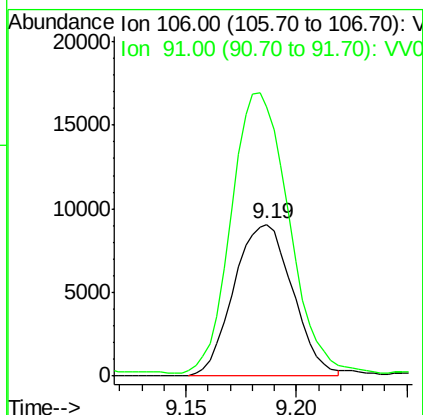
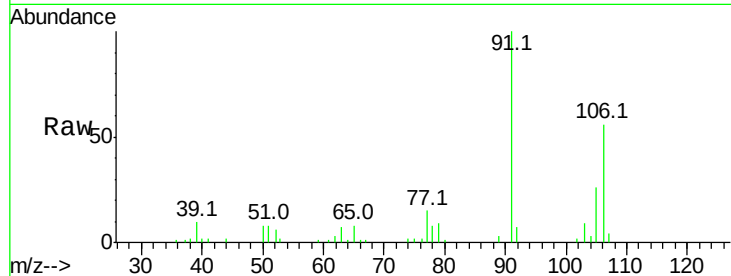




#54
 m,p-Xylene
 Concen: 2.342 ug/L
 RT: 9.19 min Scan# 2518
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

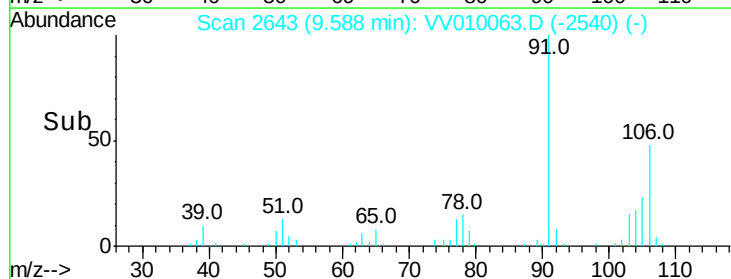
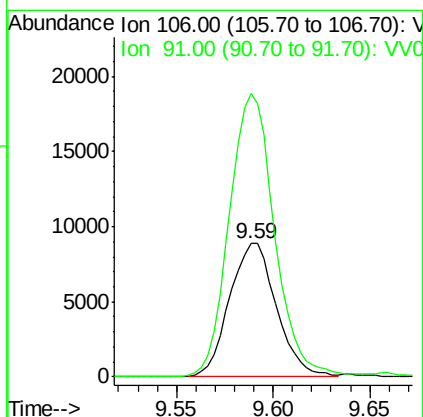
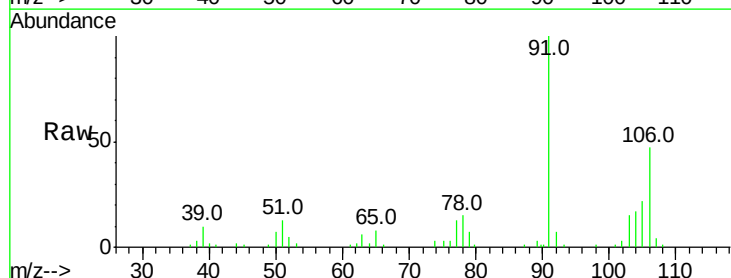
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

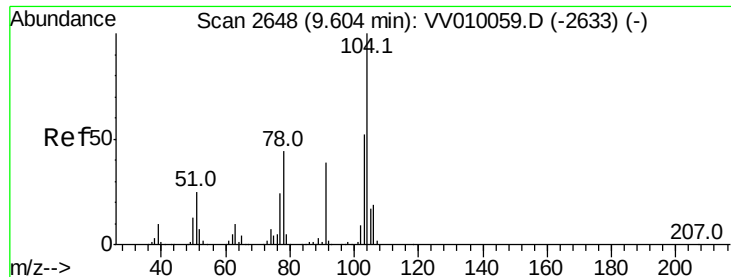
Tgt Ion:106 Resp: 16735
 Ion Ratio Lower Upper
 106 100
 91 177.2 139.3 258.7



#55
 o-xylene
 Concen: 2.227 ug/L
 RT: 9.59 min Scan# 2643
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Tgt Ion:106 Resp: 15049
 Ion Ratio Lower Upper
 106 100
 91 211.9 150.4 279.2





#56

Styrene

Concen: 2.032 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

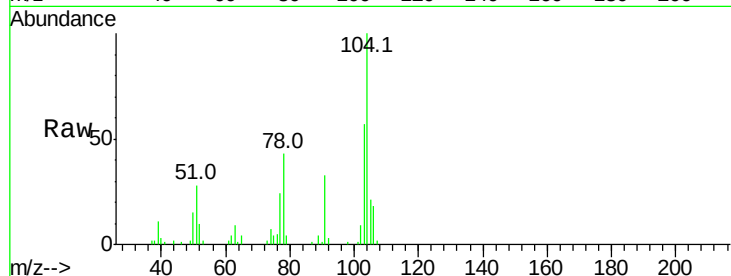
VSTD2.566

Tgt Ion:104 Resp: 22974

Ion Ratio Lower Upper

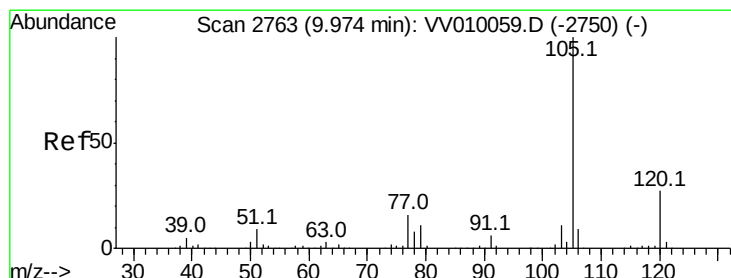
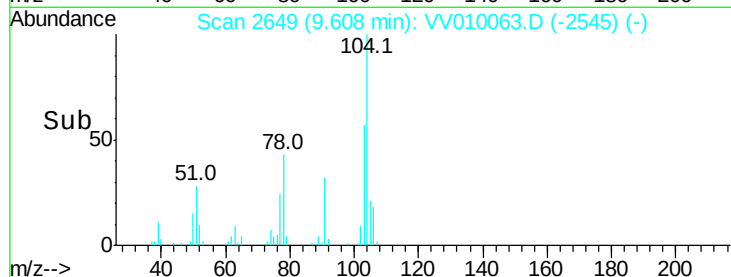
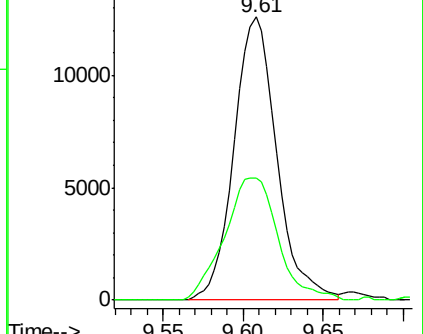
104 100

78 42.9 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 2.211 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

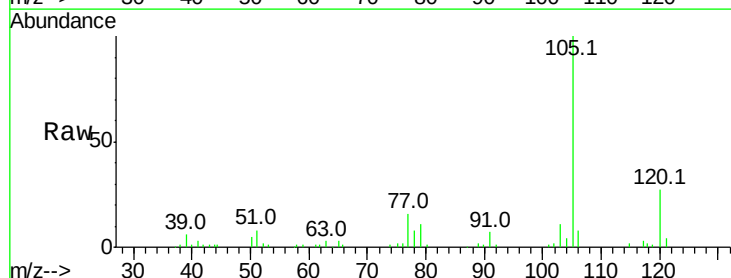
Tgt Ion:105 Resp: 39815

Ion Ratio Lower Upper

105 100

120 27.4 21.5 32.3

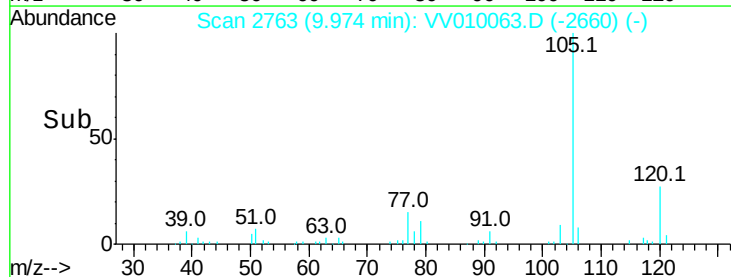
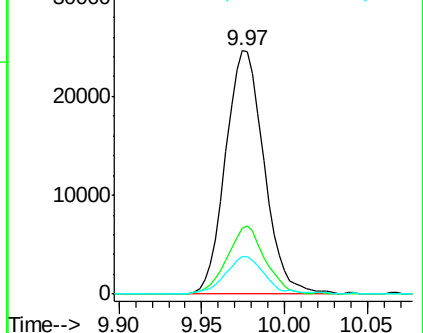
77 15.8 12.4 18.6

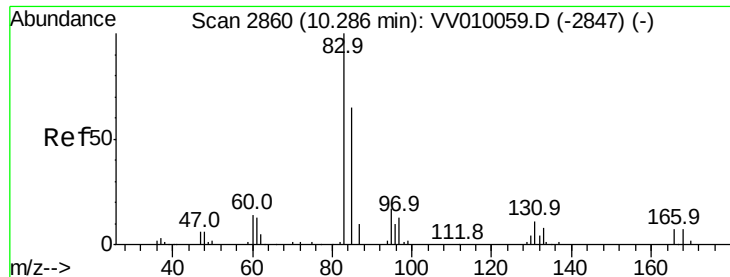


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.308 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

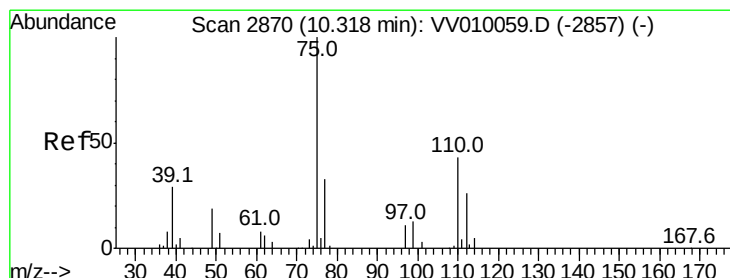
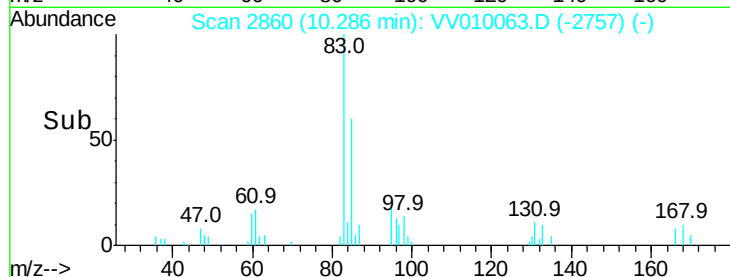
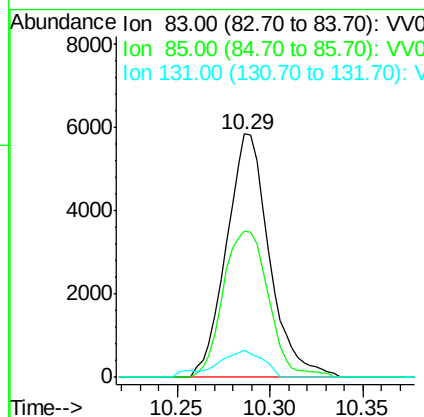
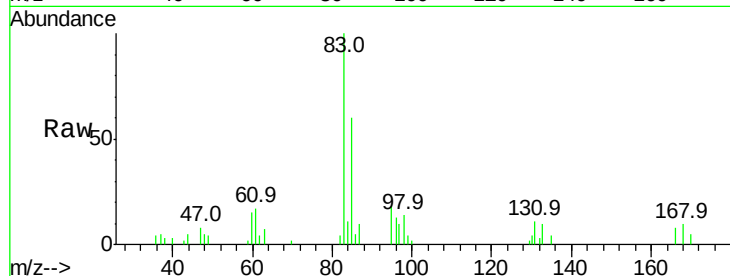
Tgt Ion: 83 Resp: 9417

Ion Ratio Lower Upper

83 100

85 60.1 46.1 85.7

131 11.0 9.0 13.4



#59

1,2,3-Trichloropropane

Concen: 2.250 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010063.D

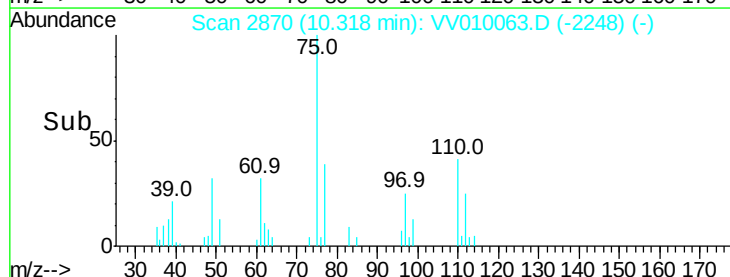
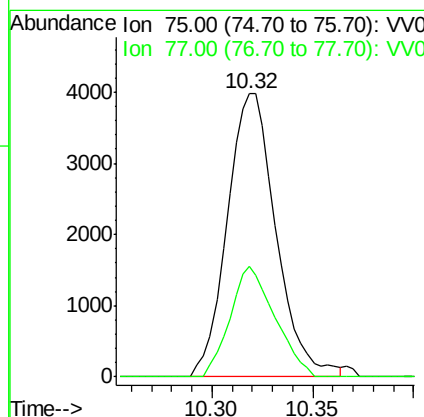
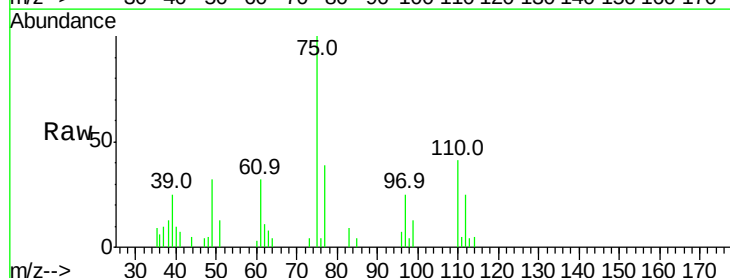
Acq: 02 Apr 2019 15:44

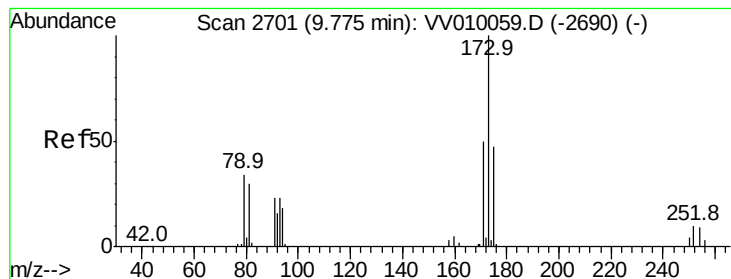
Tgt Ion: 75 Resp: 6735

Ion Ratio Lower Upper

75 100

77 35.6 25.8 38.8





#62

Bromoform

Concen: 2.061 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

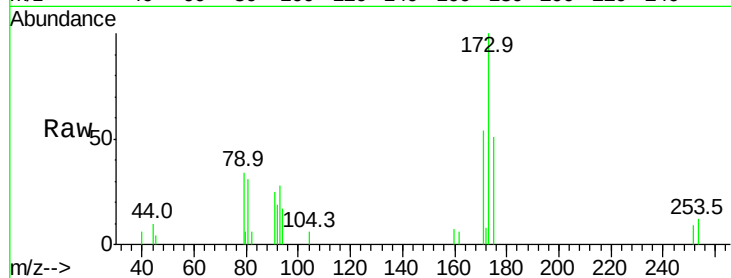
Tgt Ion:173 Resp: 3971

Ion Ratio Lower Upper

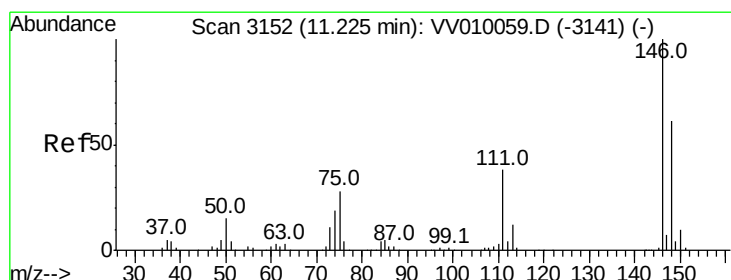
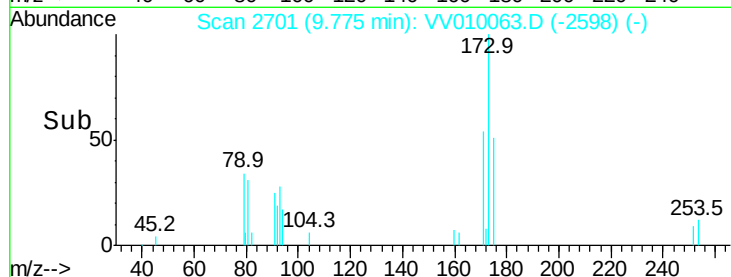
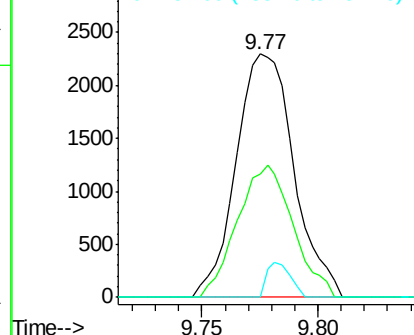
173 100

175 52.2 38.7 58.1

254 6.0 6.7 10.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.440 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010063.D

Acq: 02 Apr 2019 15:44

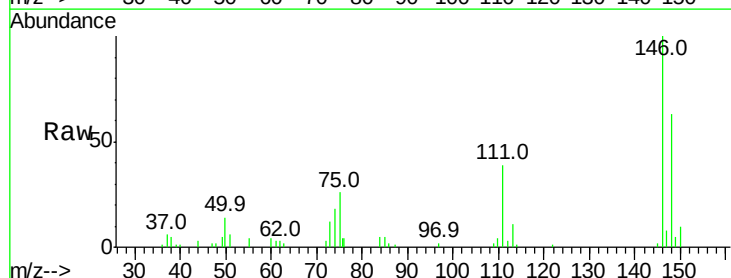
Tgt Ion:146 Resp: 20293

Ion Ratio Lower Upper

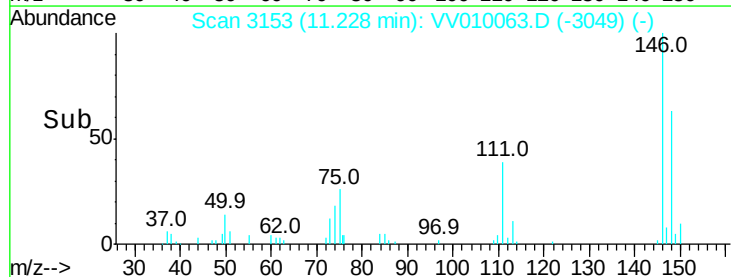
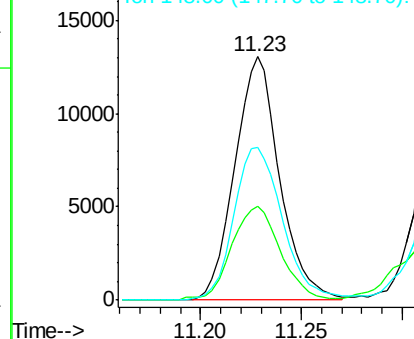
146 100

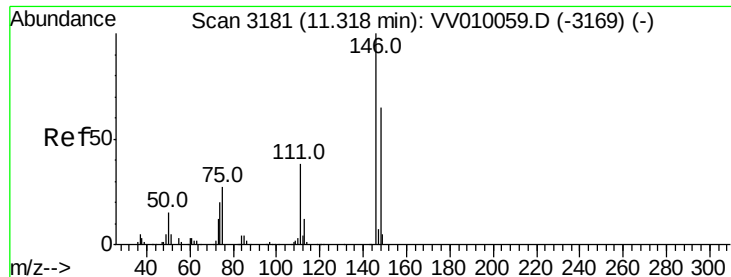
111 38.5 26.8 49.8

148 62.7 42.7 79.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

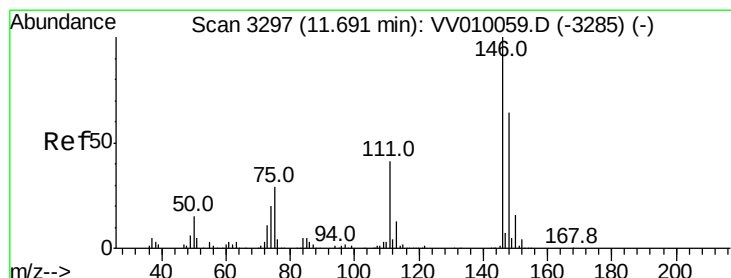
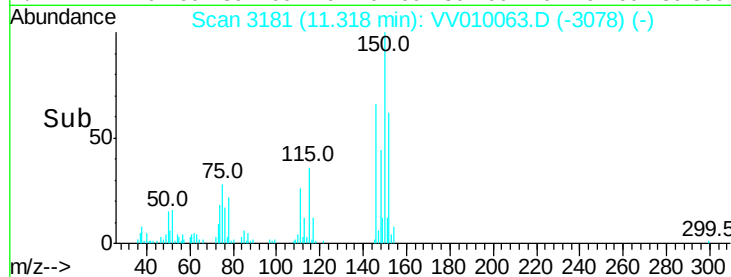
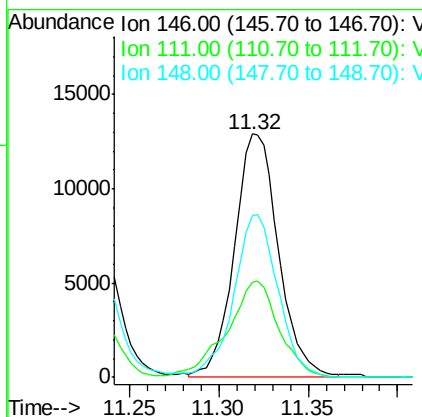
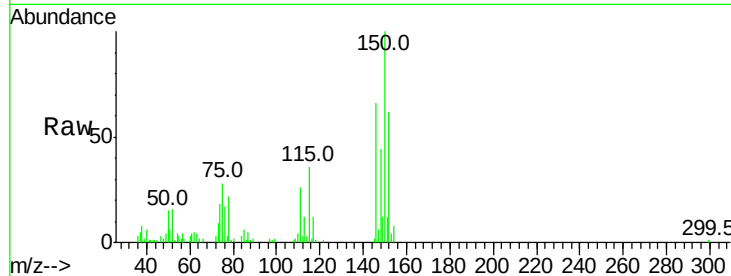




#64
 1,4-Dichlorobenzene
 Concen: 2.546 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

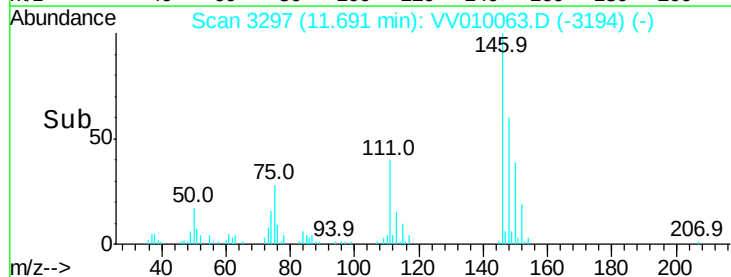
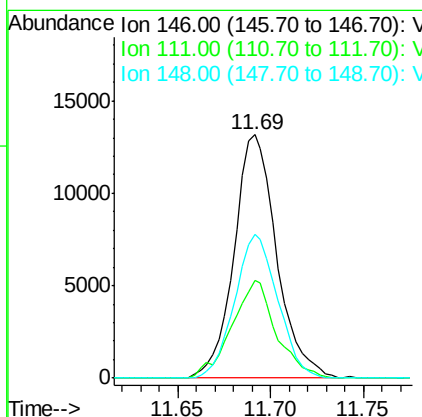
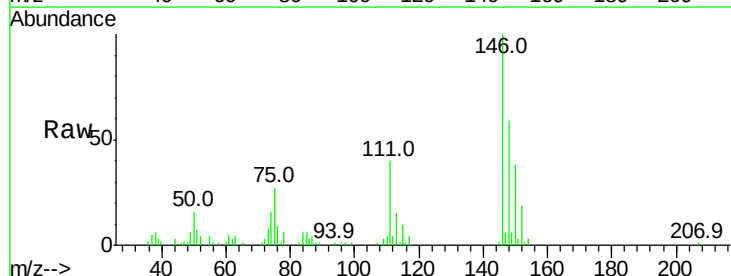
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

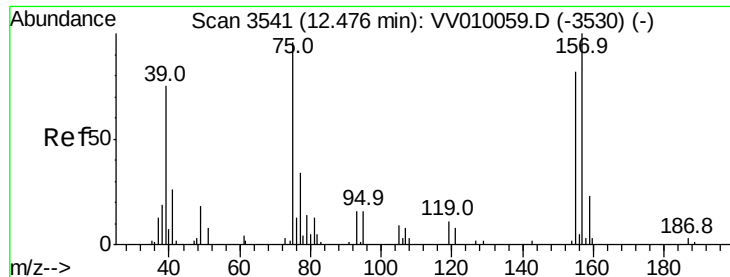
Tgt Ion:146 Resp: 22269
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.9 50.1
 148 66.2 45.6 84.6



#65
 1,2-Dichlorobenzene
 Concen: 2.558 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Tgt Ion:146 Resp: 20998
 Ion Ratio Lower Upper
 146 100
 111 40.0 33.2 49.8
 148 59.0 51.4 77.0

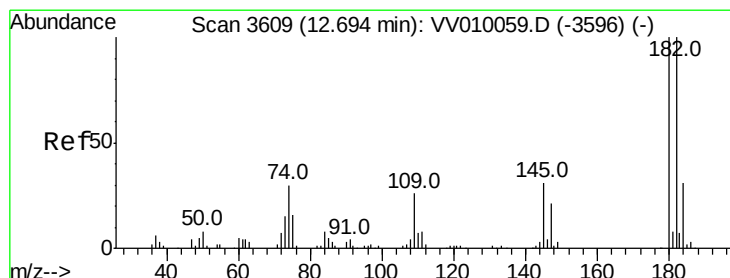
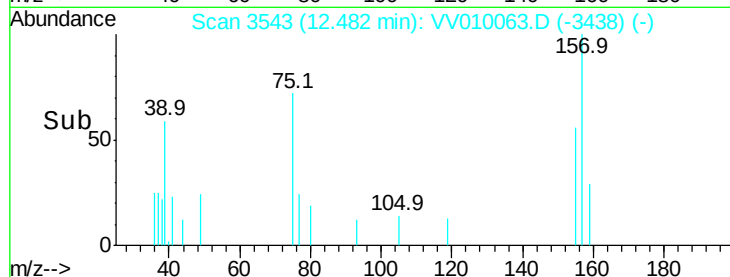
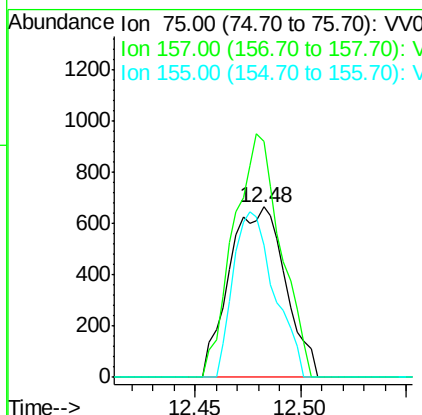
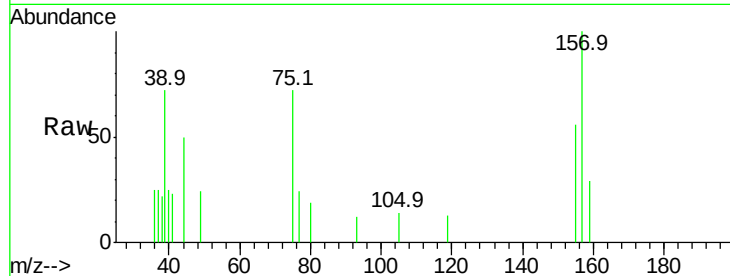




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.316 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

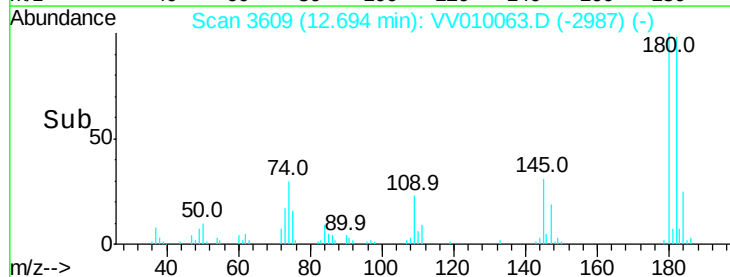
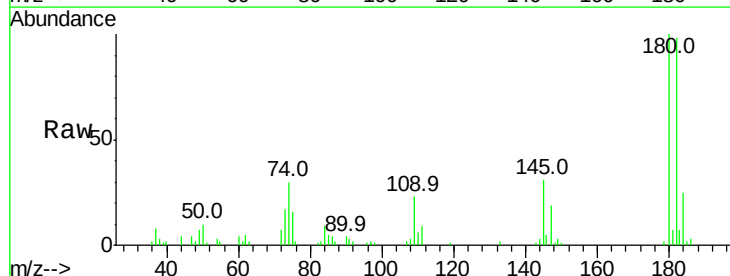
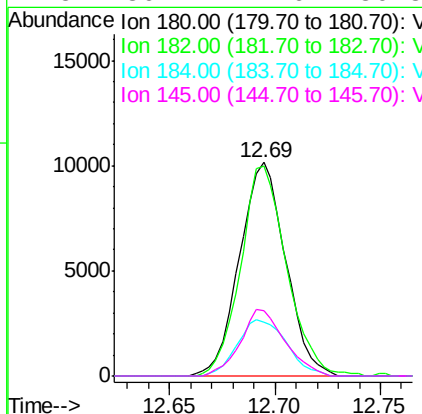
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

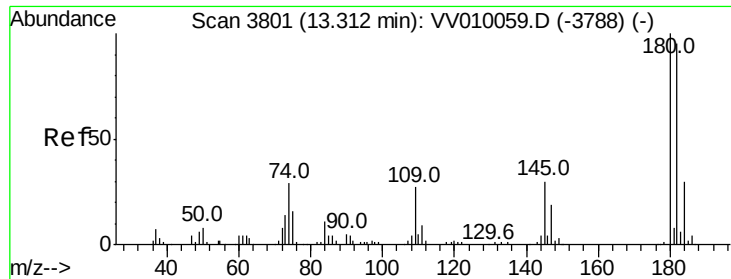
Tgt Ion: 75 Resp: 1226
 Ion Ratio Lower Upper
 75 100
 157 138.6 83.0 124.6#
 155 77.9 68.1 102.1



#67
 1,3,5-Trichlorobenzene
 Concen: 2.513 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Tgt Ion: 180 Resp: 15419
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.2 115.8
 184 28.2 23.8 35.6
 145 30.2 24.6 36.8

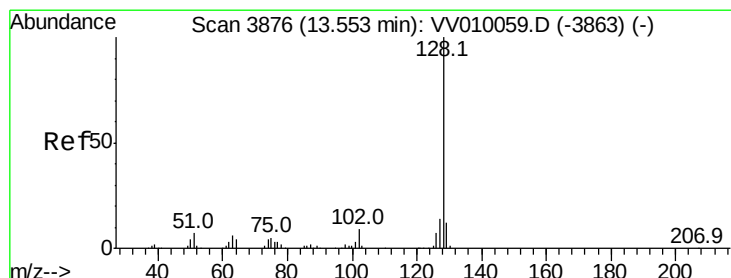
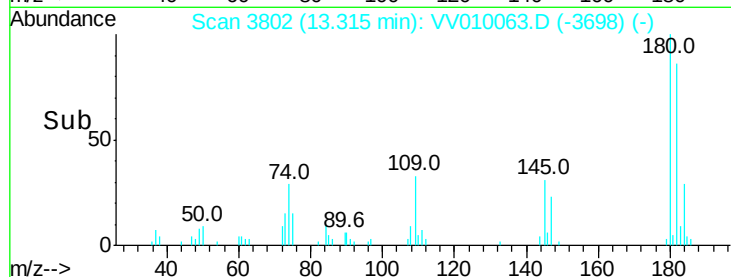
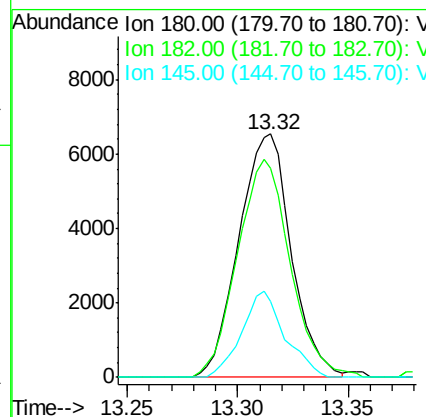
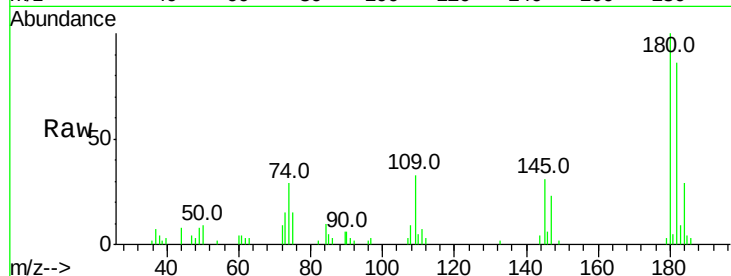




#68
 1,2,4-trichlorobenzene
 Concen: 2.401 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

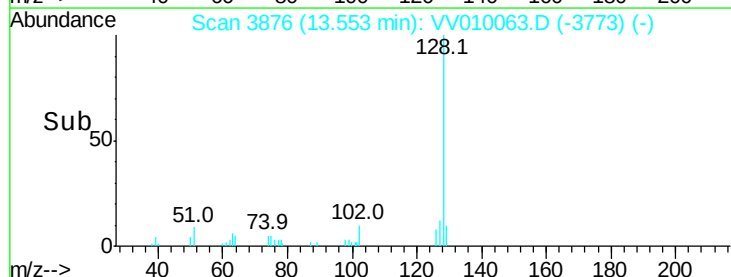
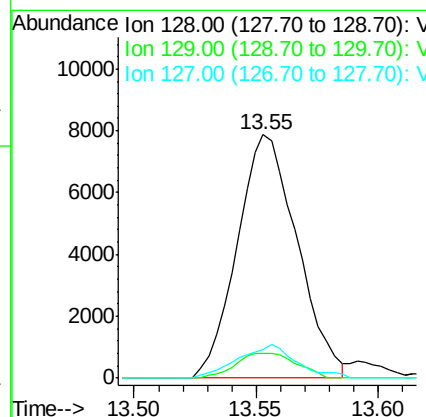
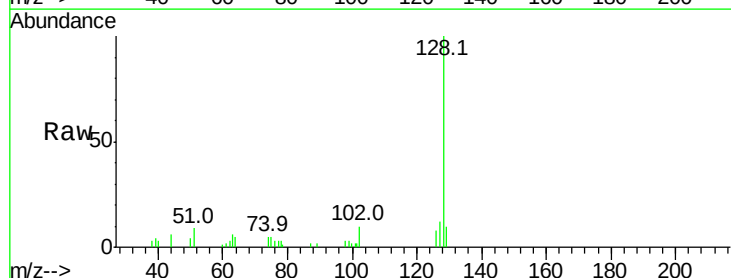
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

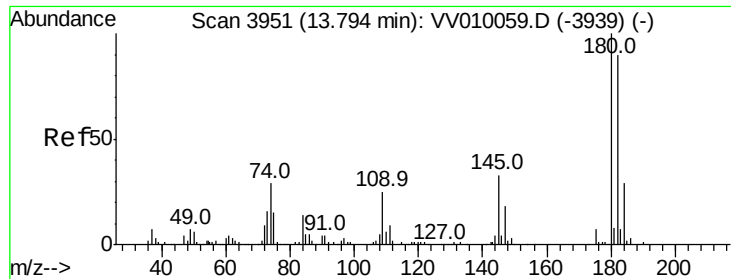
Tgt Ion:180 Resp: 10743
 Ion Ratio Lower Upper
 180 100
 182 90.5 75.7 113.5
 145 29.3 24.6 37.0



#69
 Naphthalene
 Concen: 1.906 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Tgt Ion:128 Resp: 13410
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.0 13.4
 127 13.0 11.0 16.4

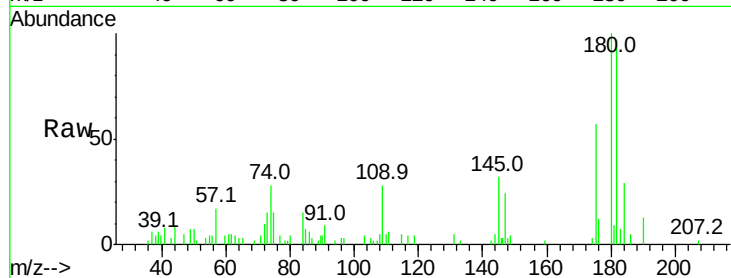




#70
 1,2,3-Trichlorobenzene
 Concen: 2.129 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV010063.D
 Acq: 02 Apr 2019 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Tgt Ion:180 Resp: 8924
 Ion Ratio Lower Upper
 180 100
 182 107.3 74.1 111.1
 145 35.6 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

