

Data File : VV010050.D
Acq On : 01 Apr 2019 15:54
Operator : SY/MD
Sample : VSTD05079
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: Apr 01 16:35:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280534	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	277122	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	147019	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186026	32.68	ug/L	0.00
7) Chloroethane-d5	1.57	69	163246	26.55	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	466793	29.98	ug/L	0.00
20) 2-Butanone-d5	3.93	46	109900	103.60	ug/L	0.00
24) Chloroform-d	4.40	84	349602	48.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	204067	47.44	ug/L	0.00
29) Benzene-d6	5.10	84	716806	49.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	208010	48.85	ug/L	0.00
37) Toluene-d8	7.36	98	720704	52.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	95031	54.56	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	90797	114.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	219513	52.07	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	282125	50.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	202105	46.534	ug/L	99
3) Chloromethane	1.25	50	172933	34.453	ug/L	98
5) Vinyl chloride	1.33	62	199354	30.546	ug/L	97
6) Bromomethane	1.51	94	181786	27.926	ug/L	98
8) Chloroethane	1.59	64	133945	23.824	ug/L	99
9) Trichlorofluoromethane	1.77	101	406997	29.242	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	236037	29.177	ug/L	99
12) 1,1-Dichloroethene	2.14	96	199182	29.024	ug/L	97
13) Acetone	2.19	43	135432	84.322	ug/L	99
14) Carbon disulfide	2.32	76	413794	44.567	ug/L	99
15) Methyl Acetate	2.46	43	86628	46.046	ug/L	97
16) Methylene chloride	2.54	84	182412	39.485	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	428305	47.831	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	168464	45.831	ug/L	98
19) 1,1-Dichloroethane	3.23	63	296119	44.051	ug/L	100
21) 2-Butanone	4.01	43	127679	89.259	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	196203	48.341	ug/L	94
23) Bromochloromethane	4.30	128	95439	50.926	ug/L	96
25) Chloroform	4.43	83	346178	46.576	ug/L	99
27) 1,2-Dichloroethane	5.18	62	224900	42.707	ug/L	98
30) Cyclohexane	4.73	56	258382	46.242	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	288328	51.989	ug/L	99
32) Carbon tetrachloride	4.88	117	274360	56.916	ug/L	97
34) Benzene	5.15	78	700205	46.013	ug/L	100
35) Trichloroethene	5.96	95	193617	48.235	ug/L	99
36) Methylcyclohexane	6.18	83	312454	49.613	ug/L	99
40) 1,2-Dichloropropane	6.22	63	173517	45.631	ug/L	100
41) Bromodichloromethane	6.56	83	237702	50.264	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	286241	51.630	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	269173	99.194	ug/L	99

Data File : VV010050.D
Acq On : 01 Apr 2019 15:54
Operator : SY/MD
Sample : VSTD05079
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: Apr 01 16:35:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	805954	48.041	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	237767	52.391	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	157352	50.033	ug/L	98
47) Tetrachloroethene	8.02	164	173077	54.641	ug/L	98
49) 2-Hexanone	8.18	43	197046	107.440	ug/L	98
50) Dibromochloromethane	8.29	129	194624	59.681	ug/L	98
51) 1,2-Dibromoethane	8.40	107	162938	53.358	ug/L	98
52) Chlorobenzene	8.93	112	547534	49.026	ug/L	98
53) Ethylbenzene	9.05	91	914785	49.431	ug/L	100
54) m,p-Xylene	9.18	106	366783	50.462	ug/L	99
55) o-xylene	9.59	106	359251	50.921	ug/L	97
56) Styrene	9.60	104	608552	50.218	ug/L	98
57) Isopropylbenzene	9.97	105	945141	51.640	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	210431	49.640	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	150829	49.298	ug/L	100
62) Bromoform	9.77	173	111318	58.865	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	451136	49.612	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	460199	46.567	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	438137	48.822	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	30831	54.967	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	346101	53.594	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	267131	56.076	ug/L	99
69) Naphthalene	13.55	128	475612	60.063	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	257927	56.943	ug/L	98

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

Data File : VV010050.D

Acq On : 01 Apr 2019 15:54

Operator : SY/MD

Sample : VSTD05079

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

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

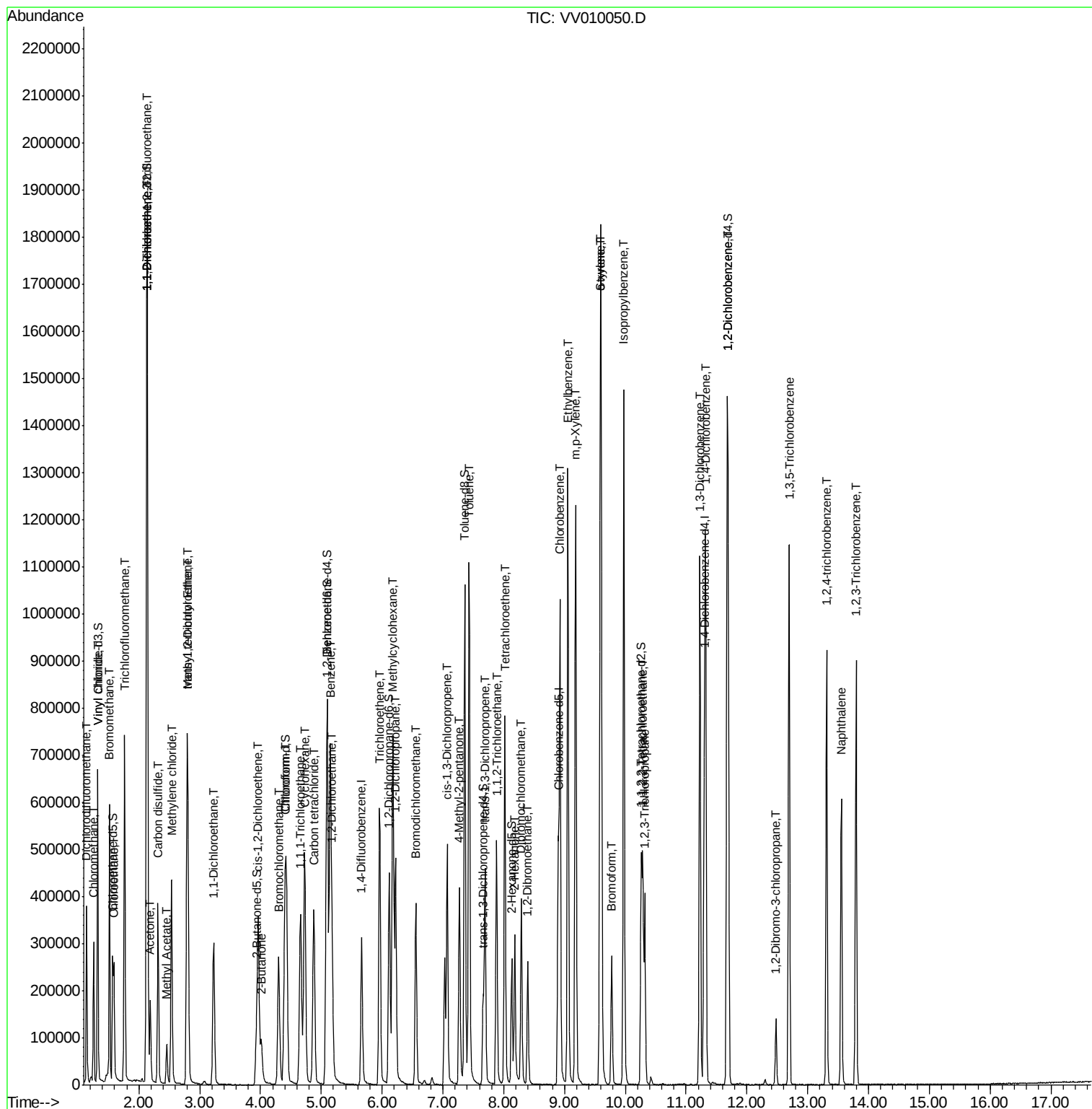
Quant Time: Apr 01 16:35:54 2019

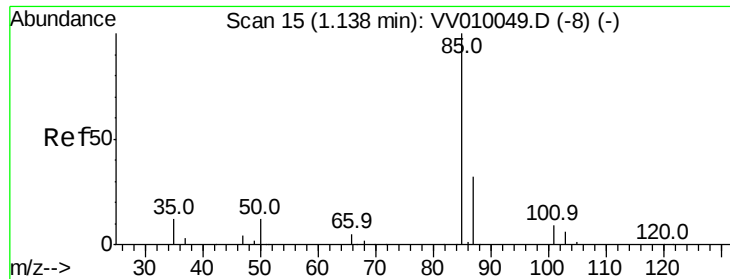
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM040119S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 01 16:30:50 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.534 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

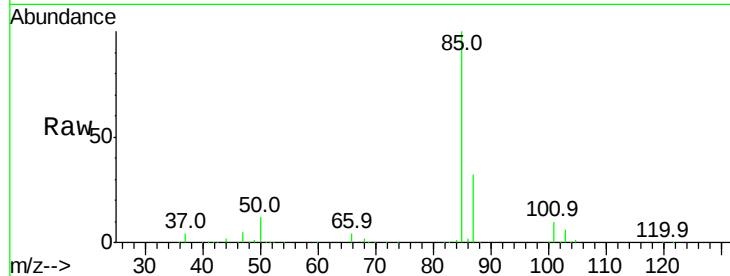
VSTD05064

Tgt Ion: 85 Resp: 202105

Ion Ratio Lower Upper

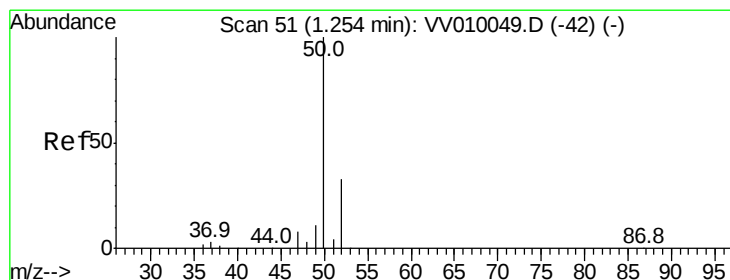
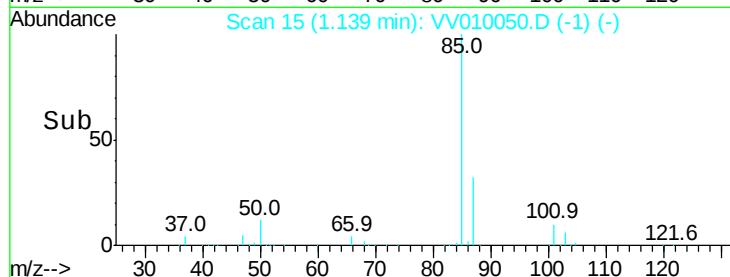
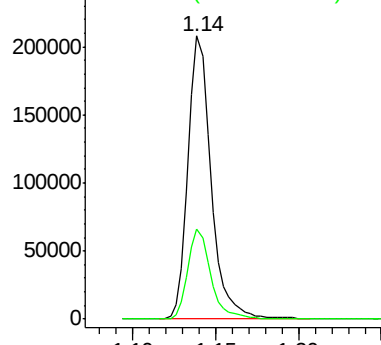
85 100

87 31.6 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 34.453 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010050.D

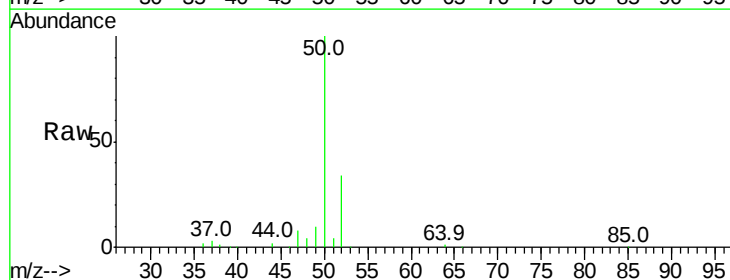
Acq: 01 Apr 2019 15:54

Tgt Ion: 50 Resp: 172933

Ion Ratio Lower Upper

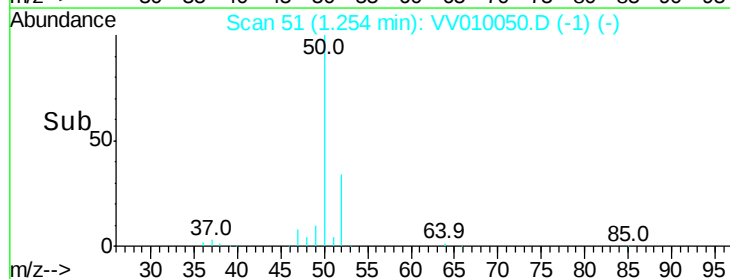
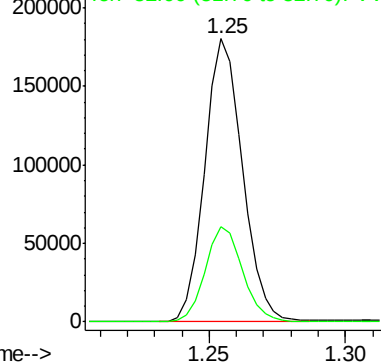
50 100

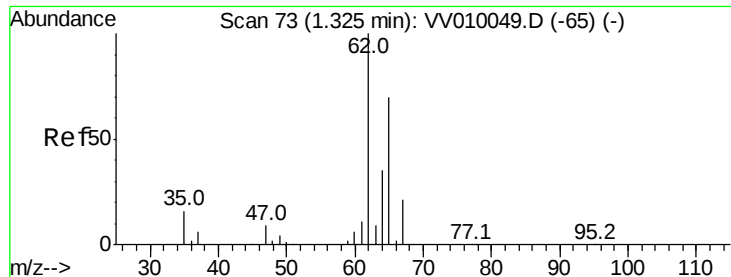
52 33.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 30.546 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

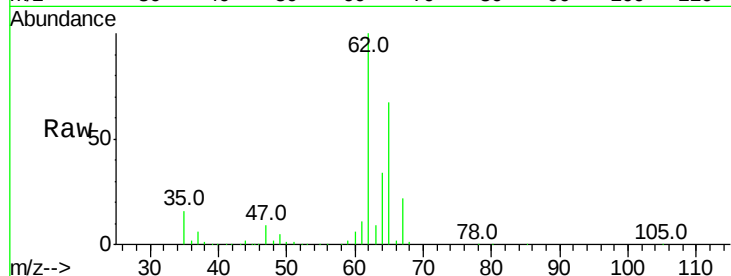
VSTD05064

Tgt Ion: 62 Resp: 199354

Ion Ratio Lower Upper

62 100

64 33.6 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VV010049.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV010049.D (-65) (-)

1.33

200000

150000

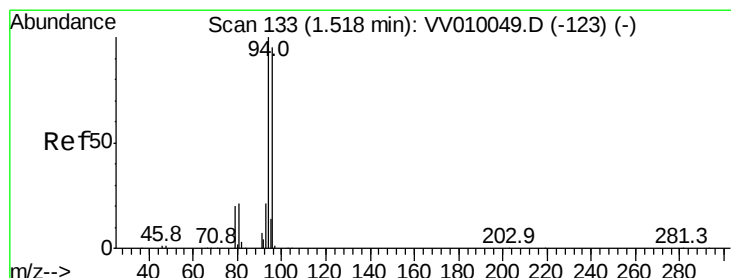
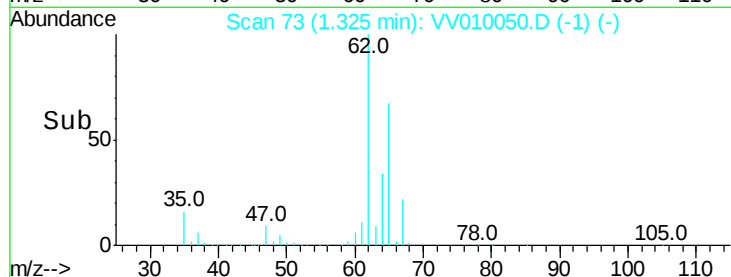
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 27.926 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010050.D

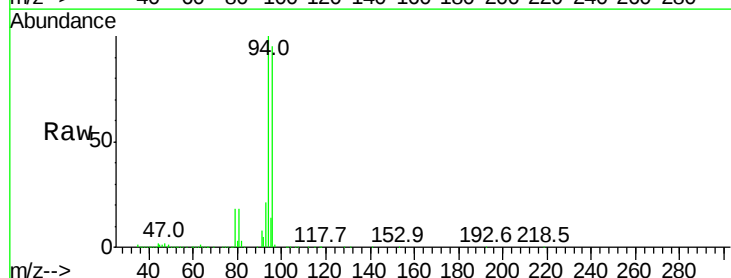
Acq: 01 Apr 2019 15:54

Tgt Ion: 94 Resp: 181786

Ion Ratio Lower Upper

94 100

96 96.2 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VV010049.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV010049.D (-123) (-)

1.51

200000

150000

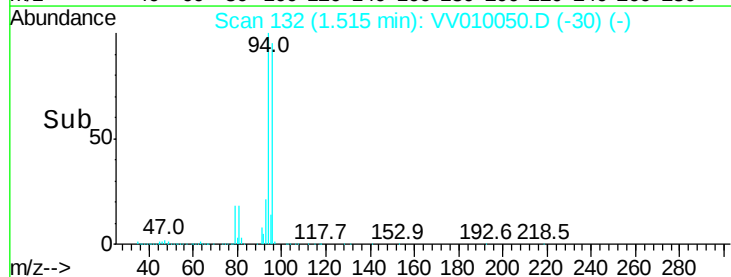
100000

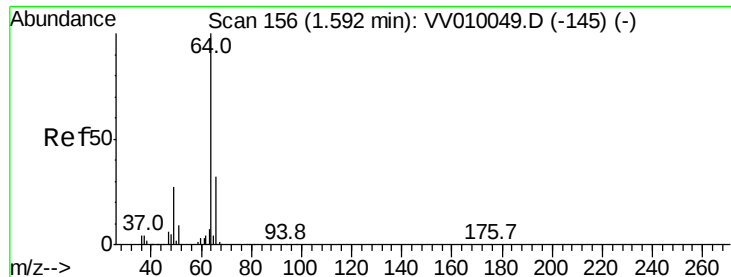
50000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 23.824 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

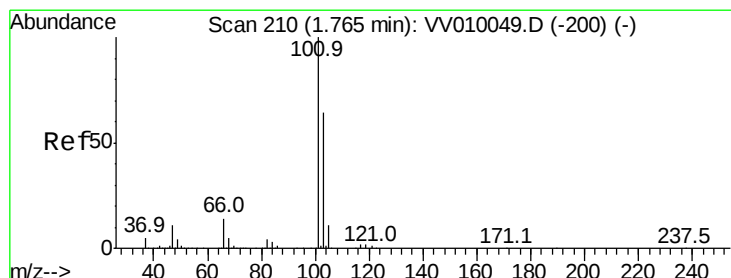
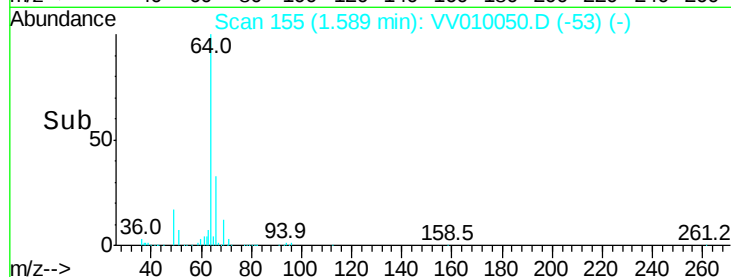
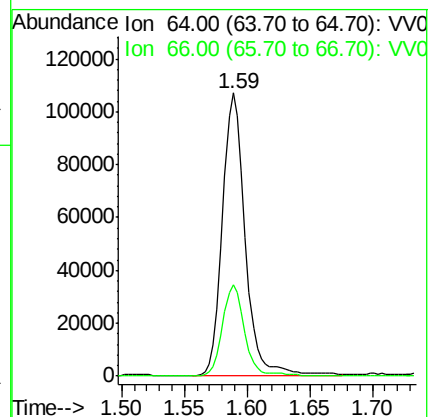
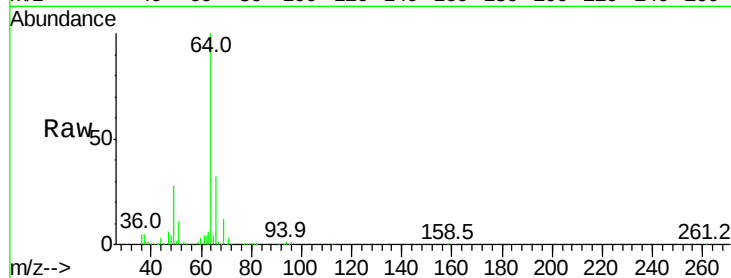
VSTD05064

Tgt Ion: 64 Resp: 133945

Ion Ratio Lower Upper

64 100

66 32.4 22.1 41.1



#9

Trichlorofluoromethane

Concen: 29.242 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010050.D

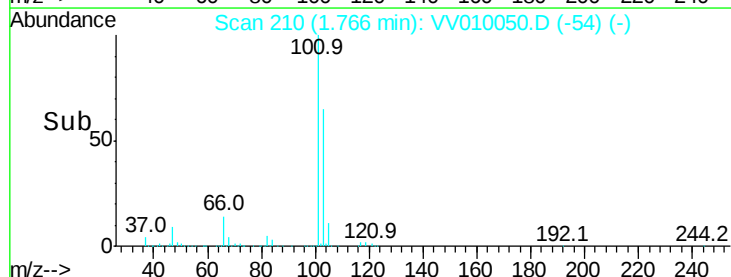
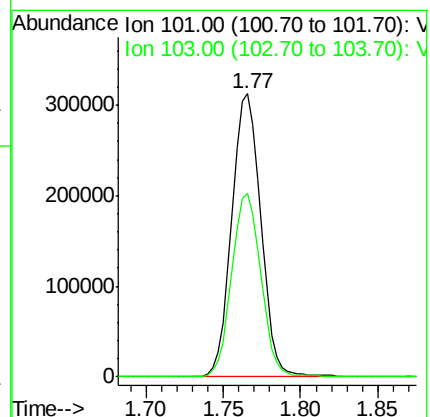
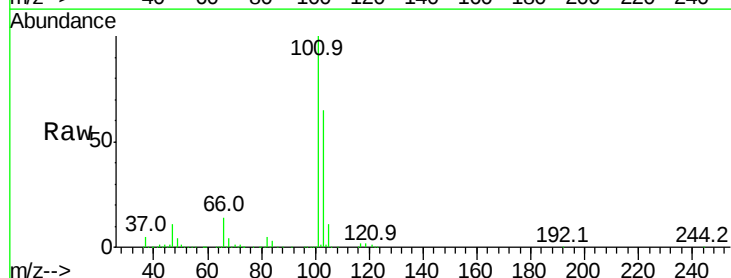
Acq: 01 Apr 2019 15:54

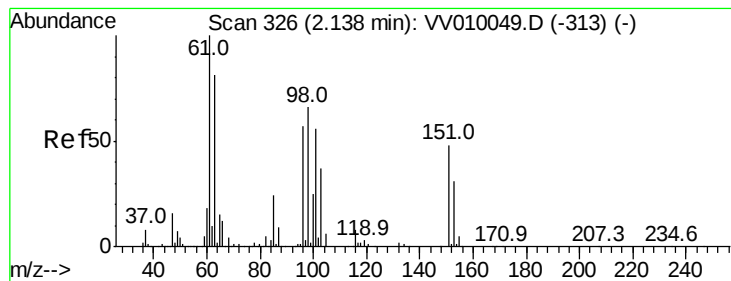
Tgt Ion: 101 Resp: 406997

Ion Ratio Lower Upper

101 100

103 65.0 45.1 83.9





#11

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

Concen: 29.177 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

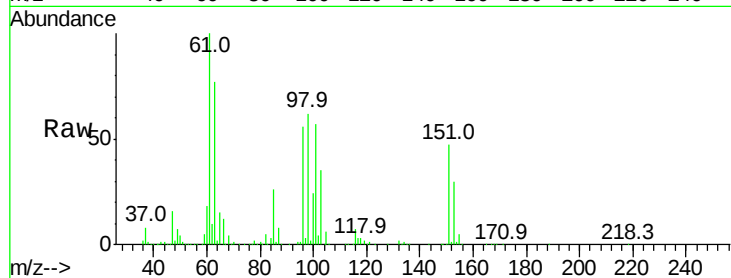
Tgt Ion: 101 Resp: 236037

Ion Ratio Lower Upper

101 100

85 45.9 37.0 55.4

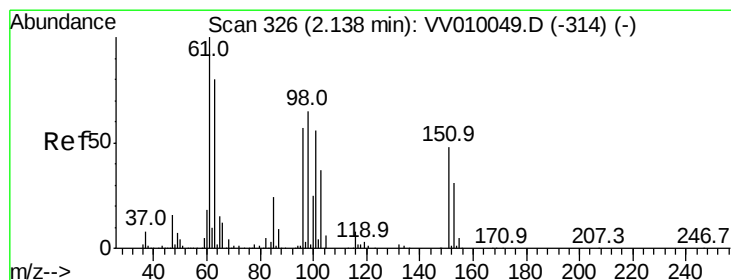
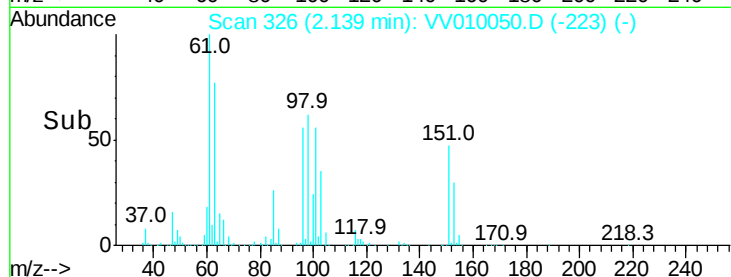
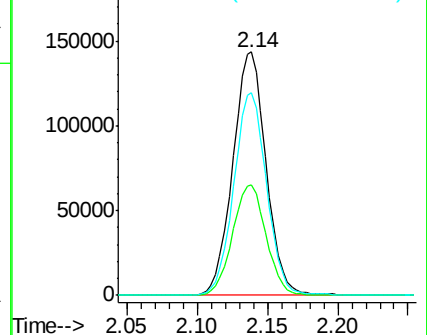
151 82.4 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV010049.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010049.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010049.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 29.024 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

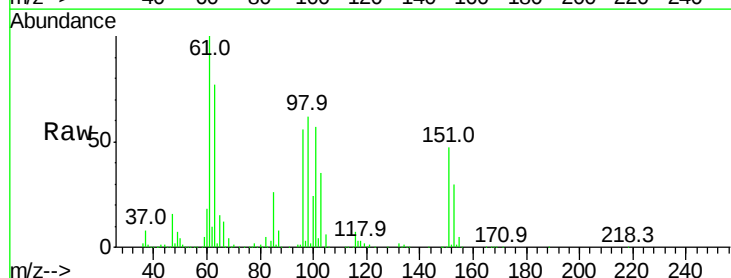
Tgt Ion: 96 Resp: 199182

Ion Ratio Lower Upper

96 100

61 179.9 123.5 229.3

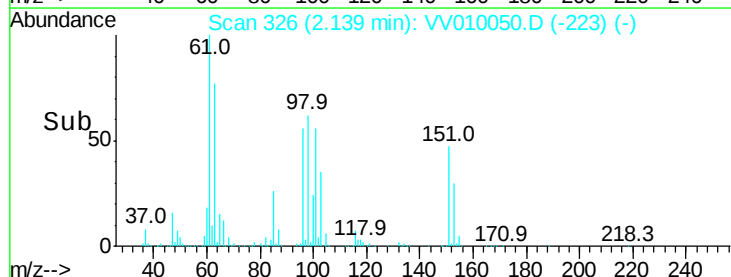
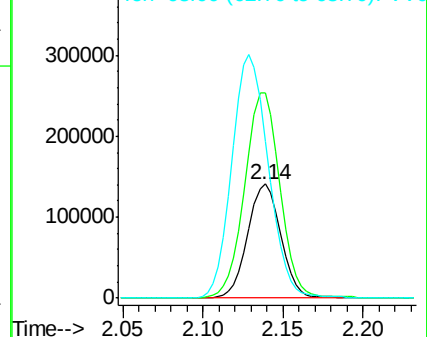
63 137.9 100.1 185.9

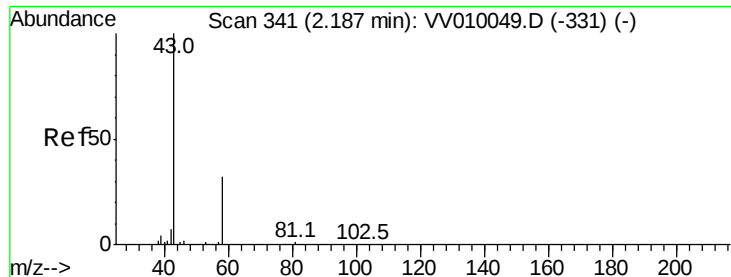


Abundance Ion 96.00 (95.70 to 96.70): VV010049.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010049.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010049.D (-314) (-)





#13

Acetone

Concen: 84.322 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

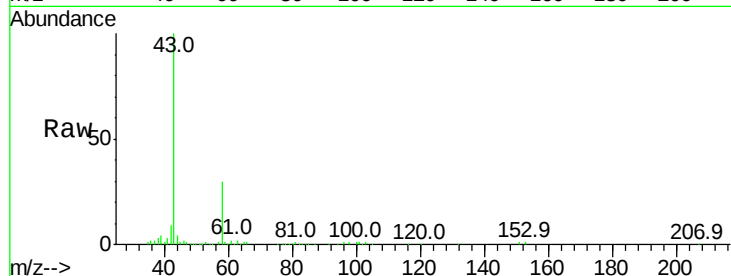
VSTD05064

Tgt Ion: 43 Resp: 135432

Ion Ratio Lower Upper

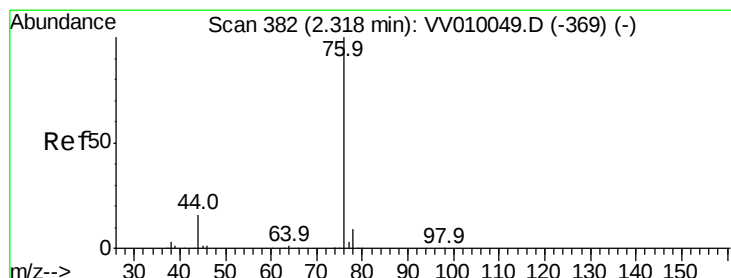
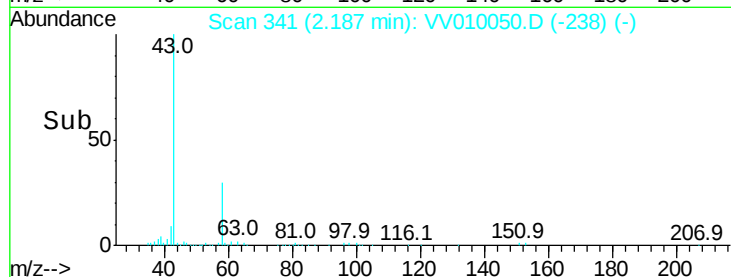
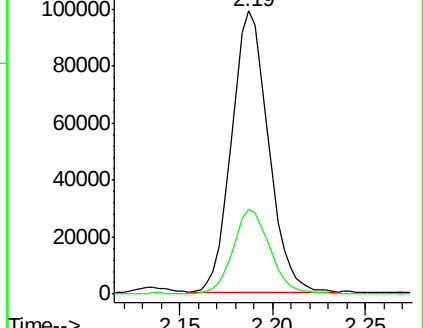
43 100

58 30.9 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV010049.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010049.D (-331) (-)



#14

Carbon disulfide

Concen: 44.567 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010050.D

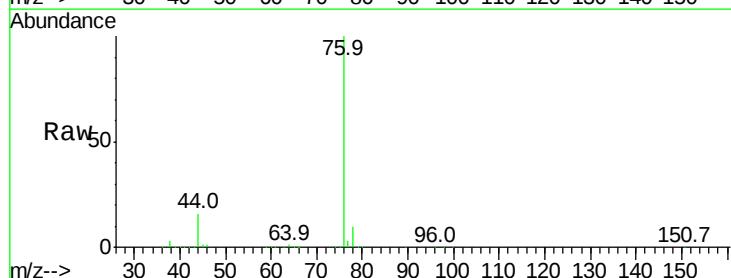
Acq: 01 Apr 2019 15:54

Tgt Ion: 76 Resp: 413794

Ion Ratio Lower Upper

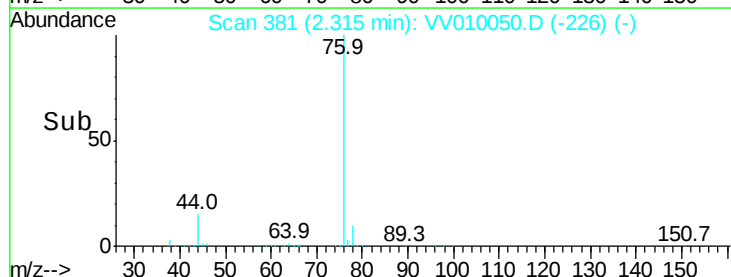
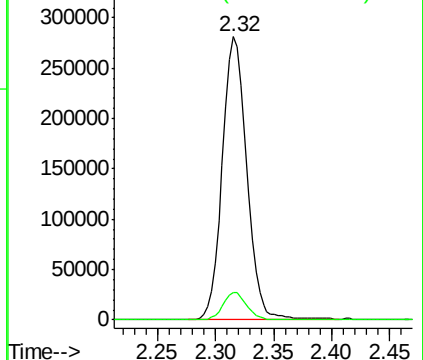
76 100

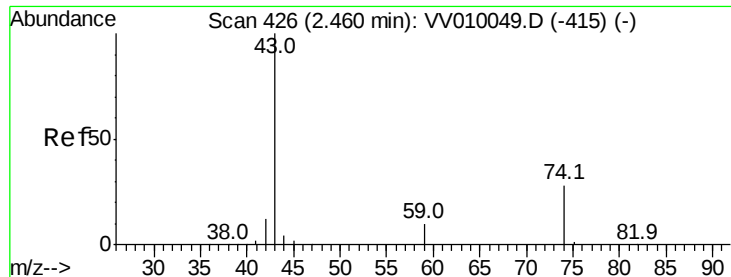
78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV010049.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010049.D (-369) (-)





#15

Methyl Acetate

Concen: 46.046 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

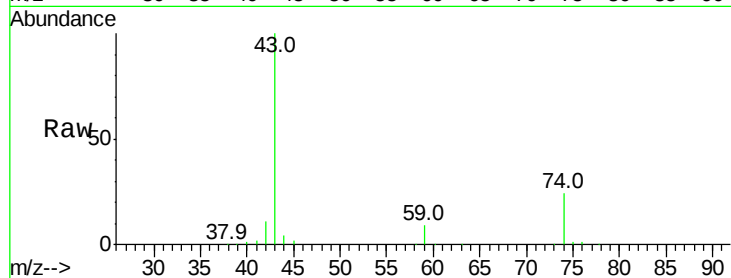
VSTD05064

Tgt Ion: 43 Resp: 86628

Ion Ratio Lower Upper

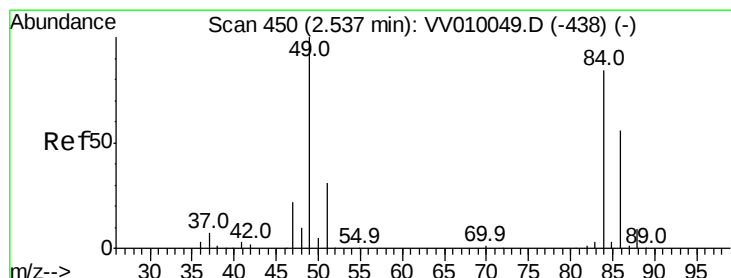
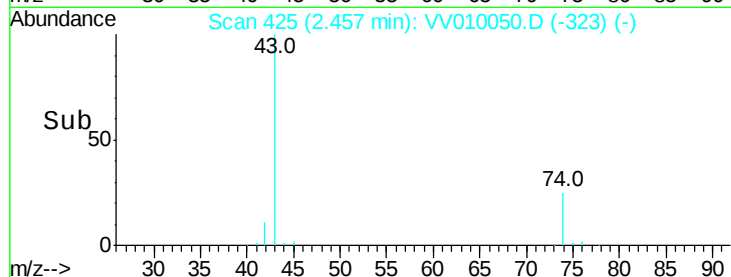
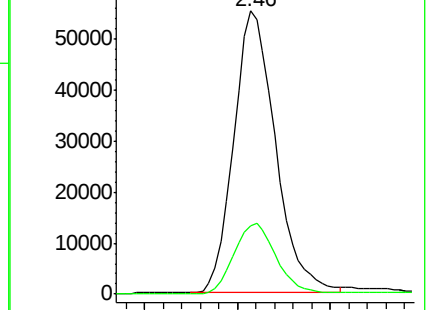
43 100

74 25.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VV010049.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV010049.D (-415) (-)



#16

Methylene chloride

Concen: 39.485 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

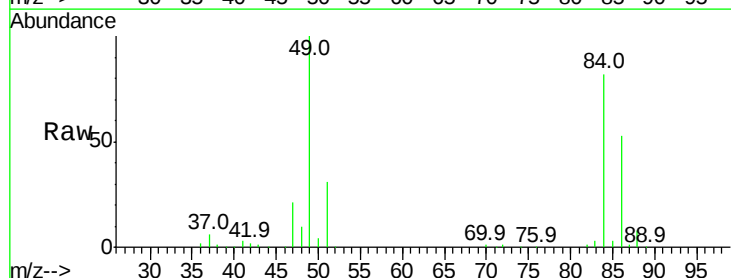
Tgt Ion: 84 Resp: 182412

Ion Ratio Lower Upper

84 100

49 121.3 83.7 155.5

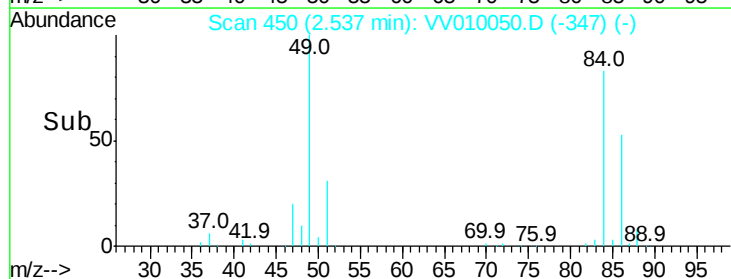
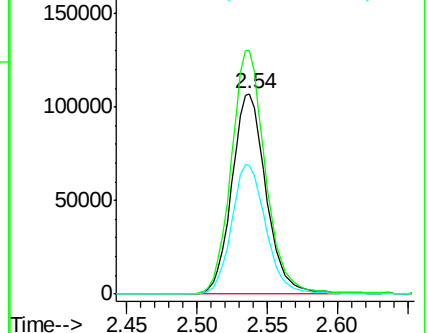
86 64.1 47.1 87.5

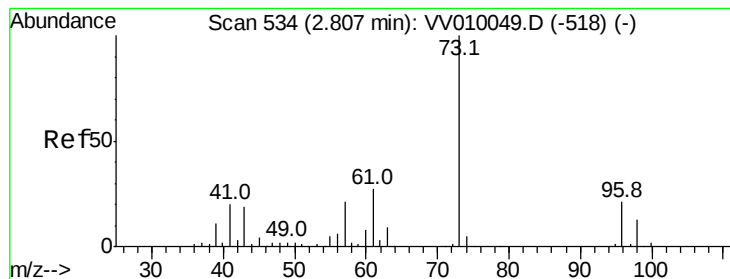


Abundance Ion 84.00 (83.70 to 84.70): VV010049.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010049.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010049.D (-438) (-)



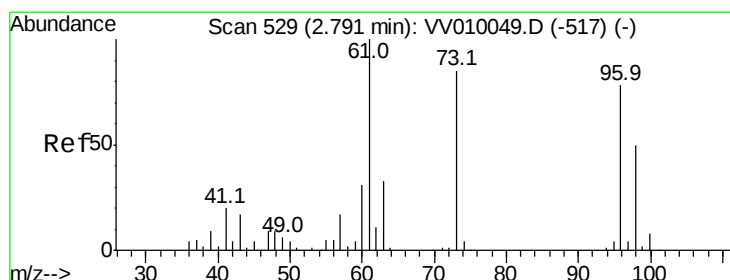
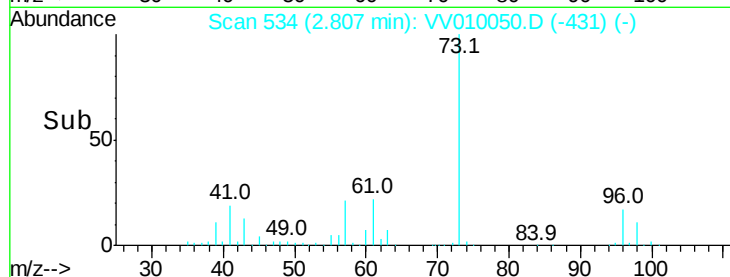
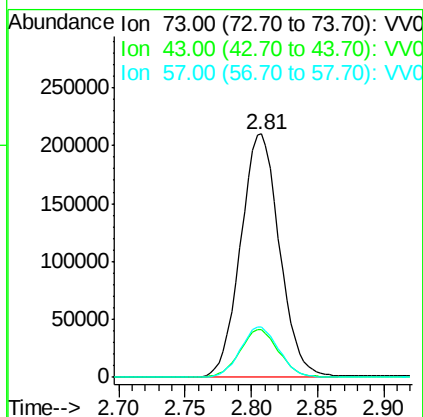
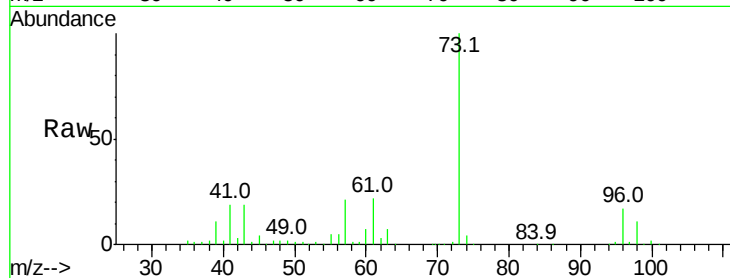


#17

Methyl tert-butyl Ether
 Concen: 47.831 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

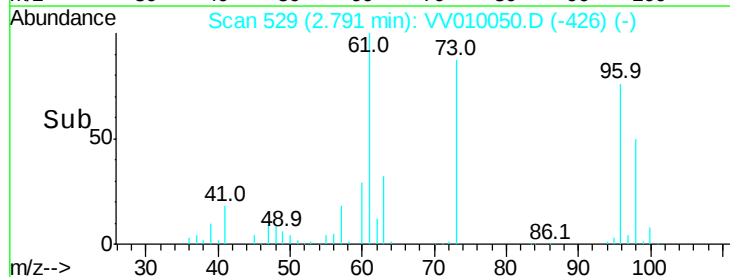
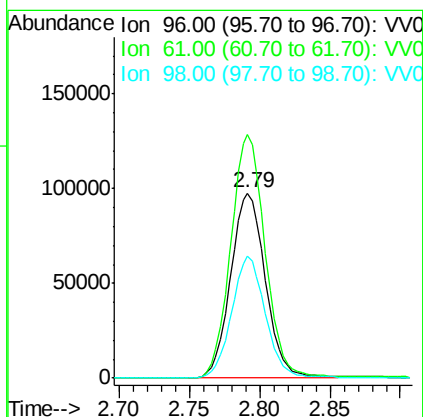
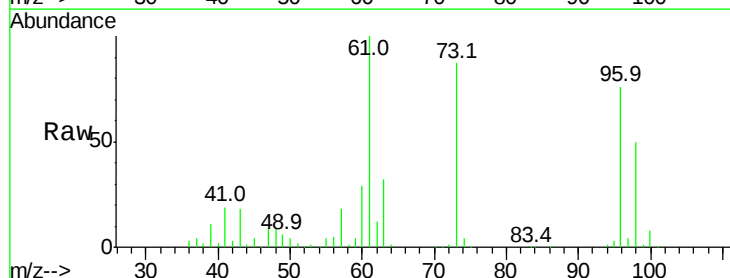
Tgt Ion: 73 Resp: 428305
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.8 23.6
 57 20.5 16.2 24.4

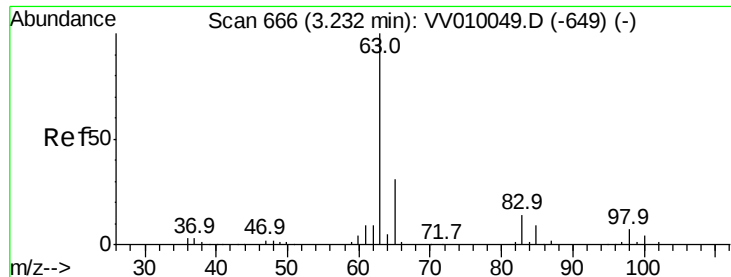


#18

trans-1,2-Dichloroethene
 Concen: 45.831 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion: 96 Resp: 168464
 Ion Ratio Lower Upper
 96 100
 61 131.7 90.4 168.0
 98 65.7 44.9 83.3

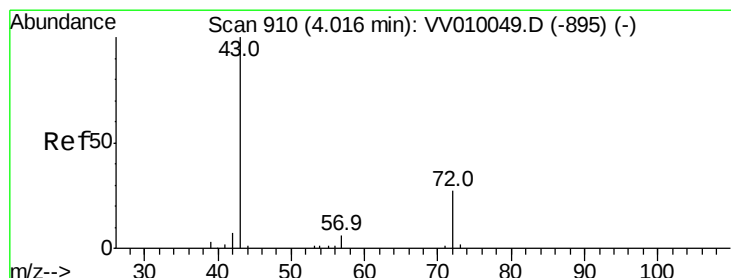
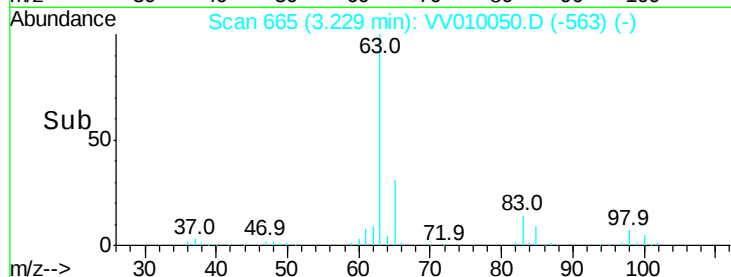
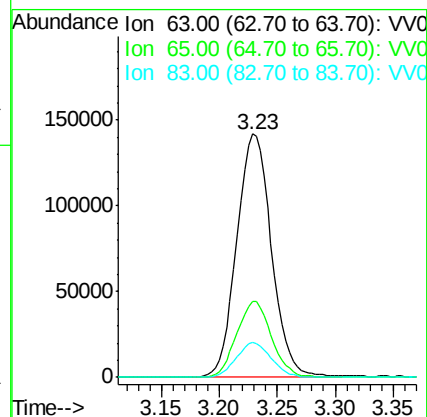
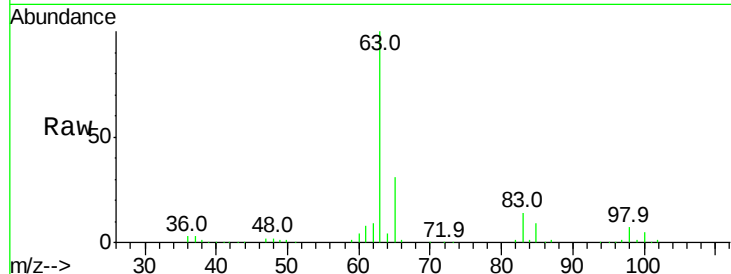




#19
 1,1-Dichloroethane
 Concen: 44.051 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

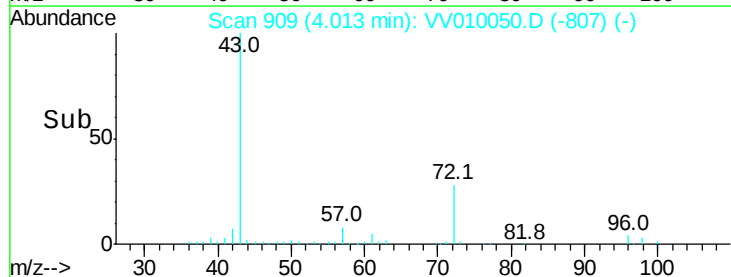
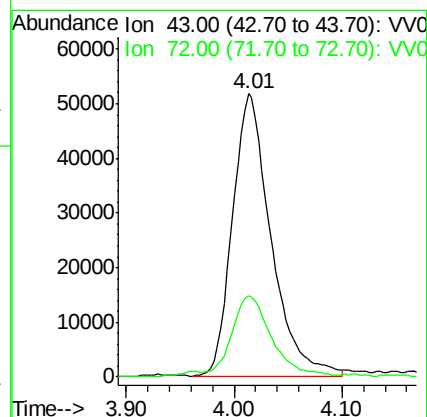
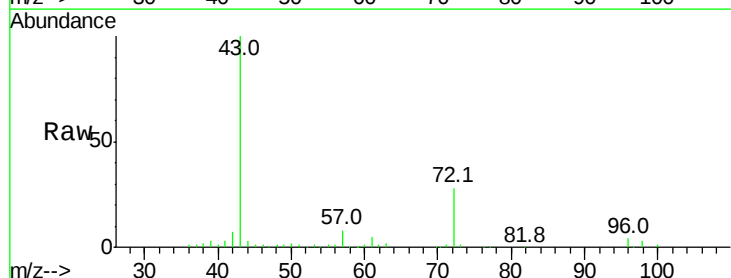
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

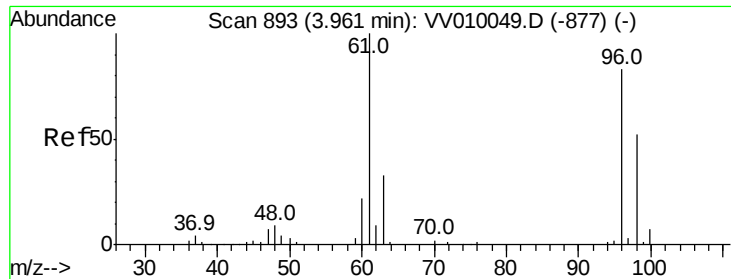
Tgt Ion: 63 Resp: 296119
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 14.3 9.9 18.3



#21
 2-Butanone
 Concen: 89.259 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion: 43 Resp: 127679
 Ion Ratio Lower Upper
 43 100
 72 28.8 12.3 36.9



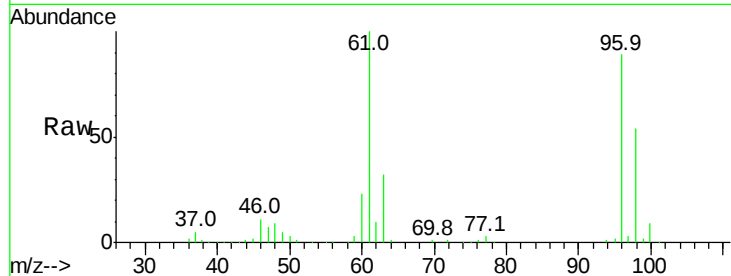


#22

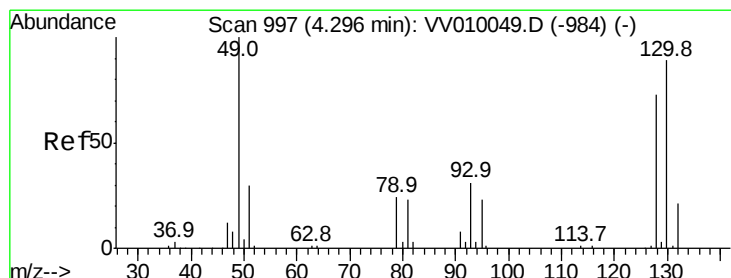
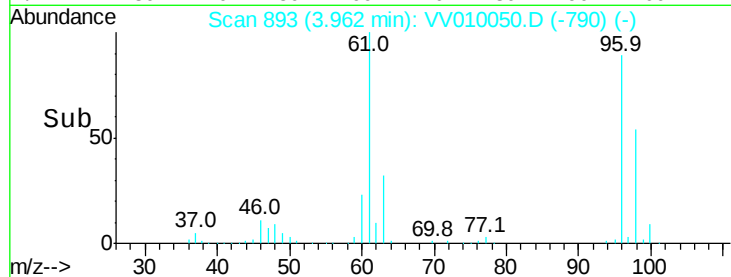
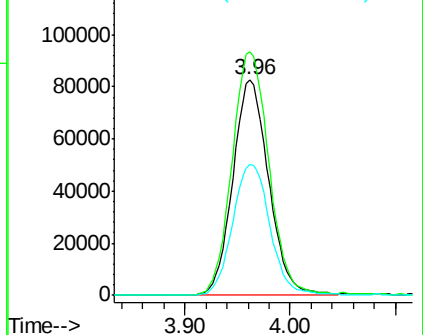
cis-1,2-Dichloroethene
Concen: 48.341 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 96 Resp: 196203
Ion Ratio Lower Upper
96 100
61 112.8 84.3 156.5
98 60.4 44.0 81.8



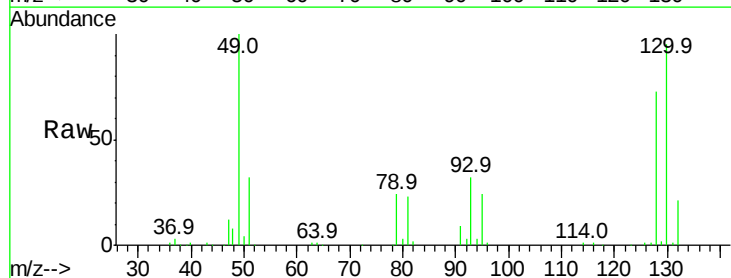
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



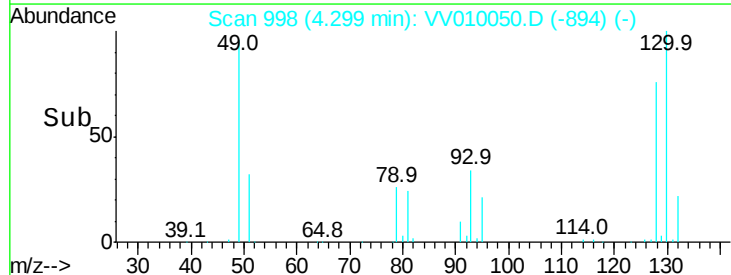
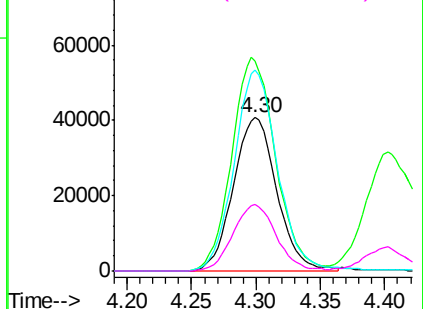
#23

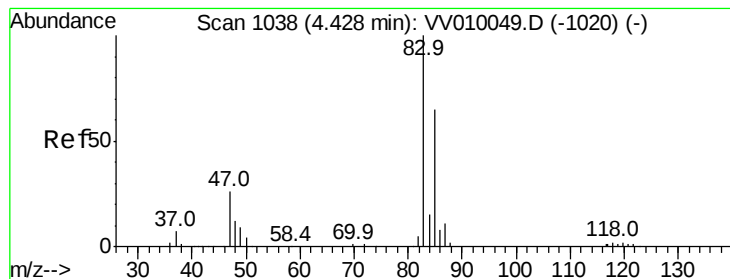
Bromochloromethane
Concen: 50.926 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion: 128 Resp: 95439
Ion Ratio Lower Upper
128 100
49 137.1 97.2 180.4
130 130.9 86.2 160.0
51 43.5 34.0 51.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 46.576 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

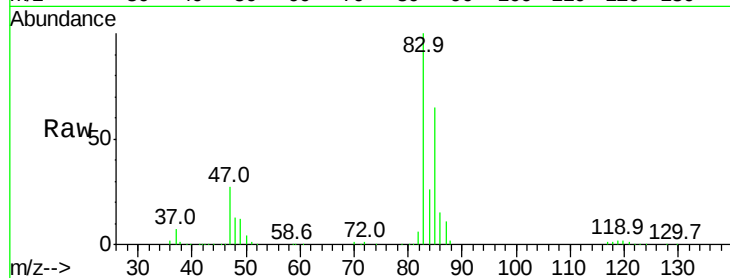
VSTD05064

Tgt Ion: 83 Resp: 346178

Ion Ratio Lower Upper

83 100

85 66.0 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VV010050.D (-935) (-)

Ion 85.00 (84.70 to 85.70): VV010050.D (-935) (-)

4.43

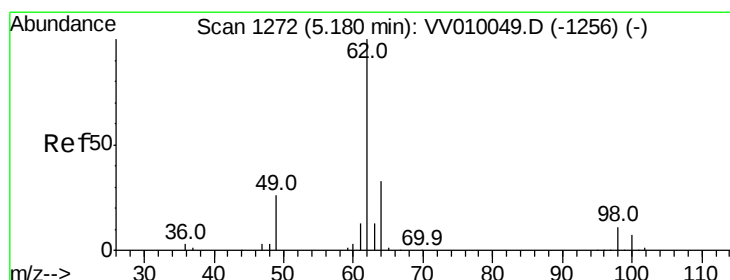
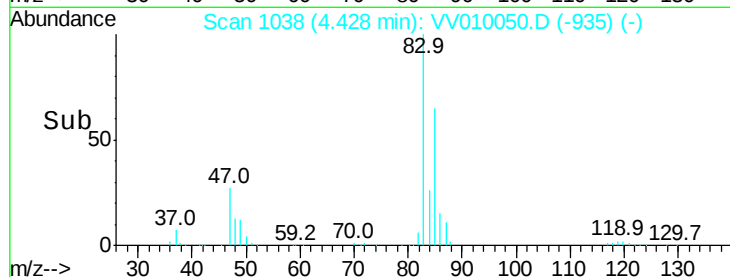
150000

100000

50000

0

Time--> 4.30 4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 42.707 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV010050.D

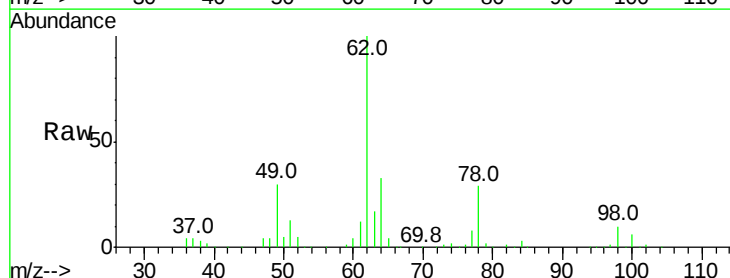
Acq: 01 Apr 2019 15:54

Tgt Ion: 62 Resp: 224900

Ion Ratio Lower Upper

62 100

98 9.7 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV010050.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VV010050.D (-1169) (-)

5.18

120000

100000

80000

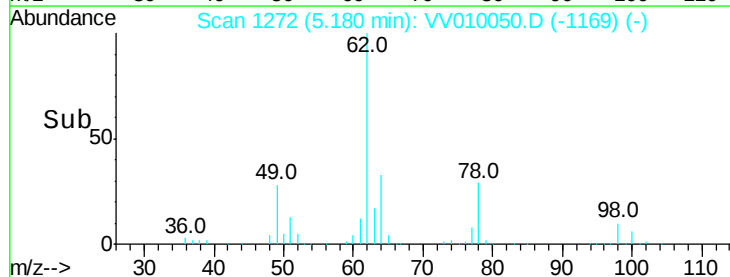
60000

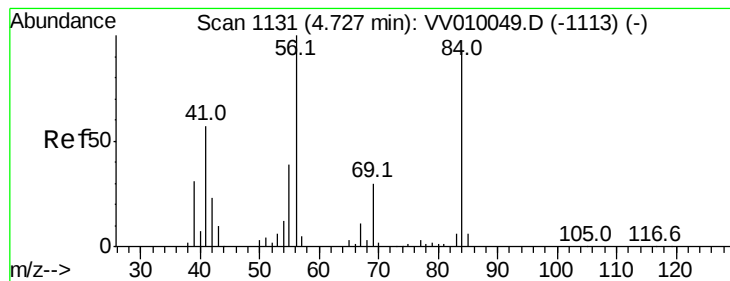
40000

20000

0

Time--> 5.10 5.15 5.20 5.25





#30

Cyclohexane

Concen: 46.242 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

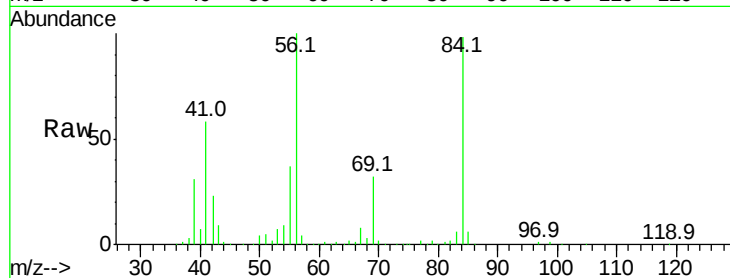
Tgt Ion: 56 Resp: 258382

Ion Ratio Lower Upper

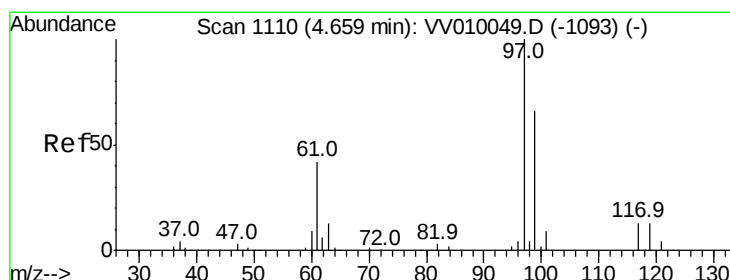
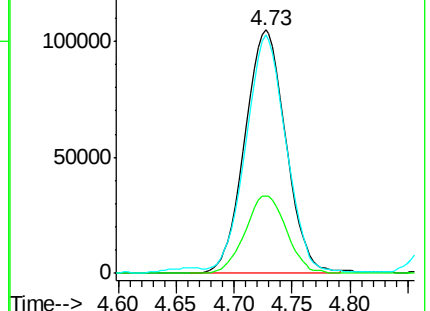
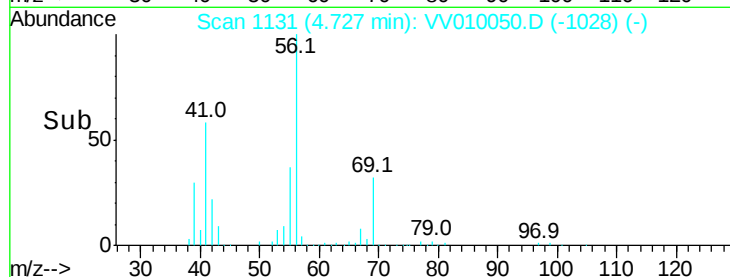
56 100

69 32.1 25.1 37.7

84 96.3 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV010050.D (-1028) (-)



#31

1,1,1-Trichloroethane

Concen: 51.989 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

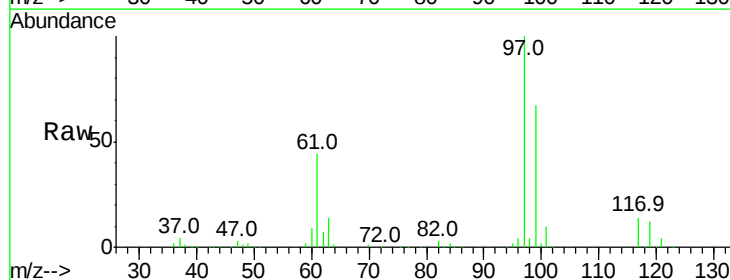
Tgt Ion: 97 Resp: 288328

Ion Ratio Lower Upper

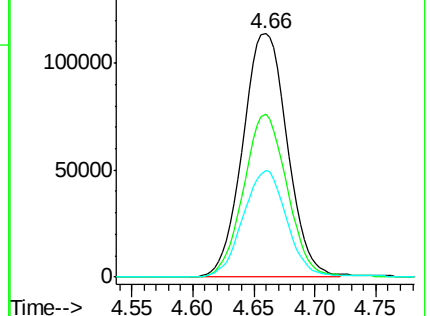
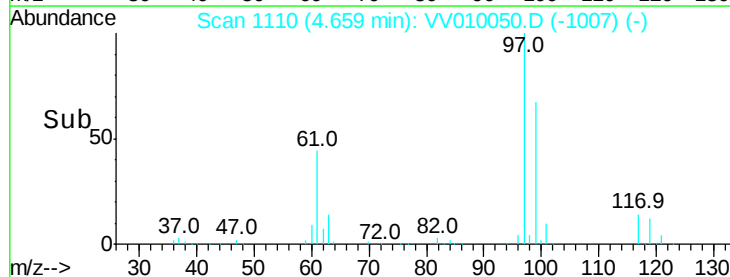
97 100

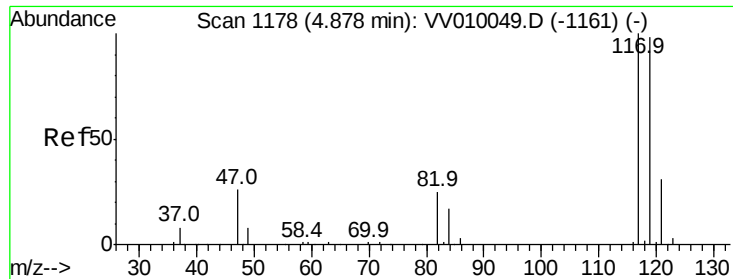
99 65.4 51.4 77.0

61 42.6 34.2 51.2



Abundance Ion 97.00 (96.70 to 97.70): VV010050.D (-1007) (-)





#32

Carbon tetrachloride

Concen: 56.916 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

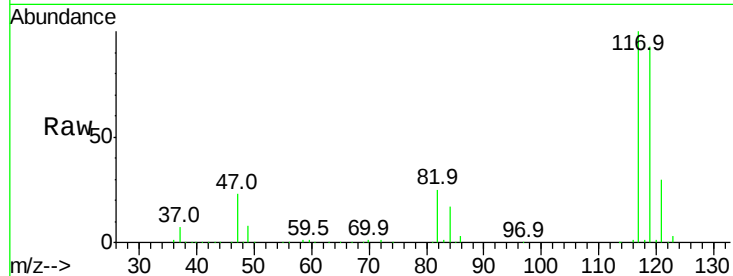
VSTD05064

Tgt Ion:117 Resp: 274360

Ion Ratio Lower Upper

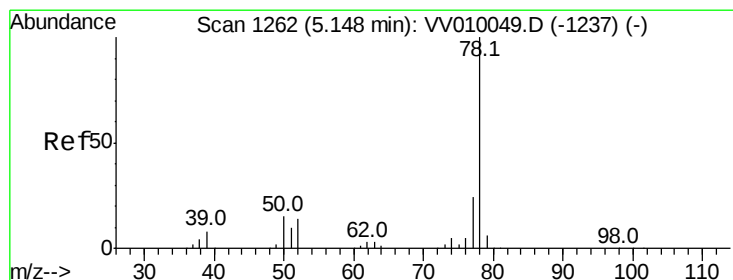
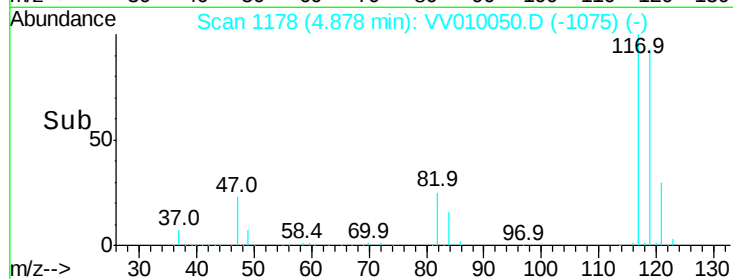
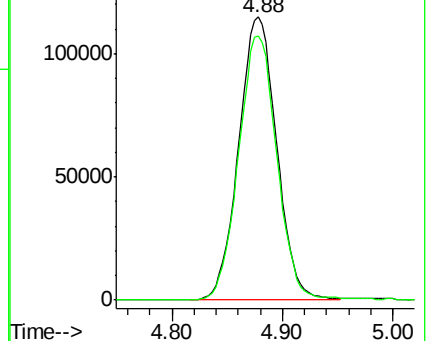
117 100

119 94.4 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 46.013 ug/L

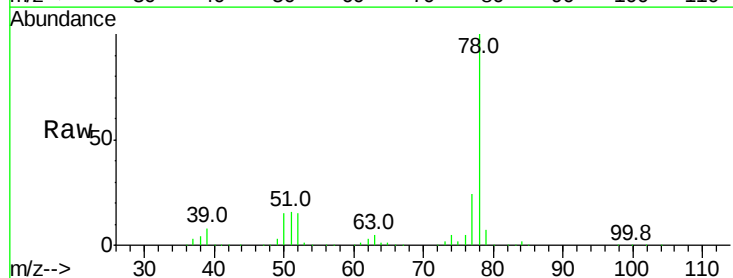
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

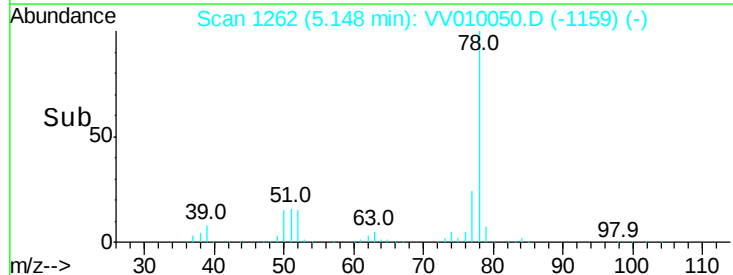
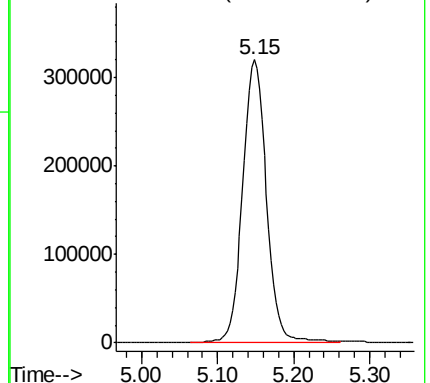
Lab File: VV010050.D

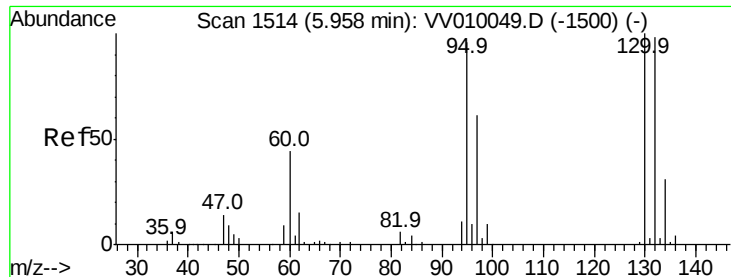
Acq: 01 Apr 2019 15:54

Tgt Ion: 78 Resp: 700205



Abundance Ion 78.00 (77.70 to 78.70): VV0

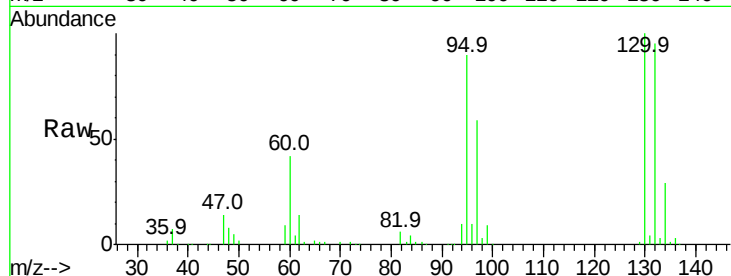




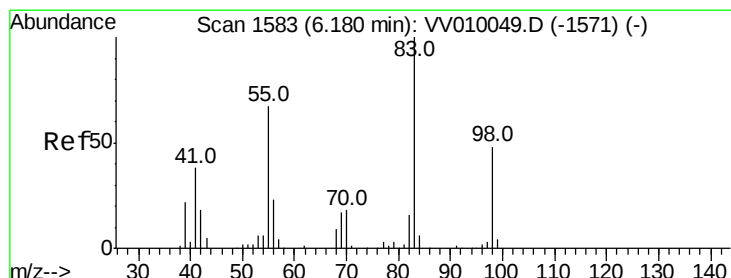
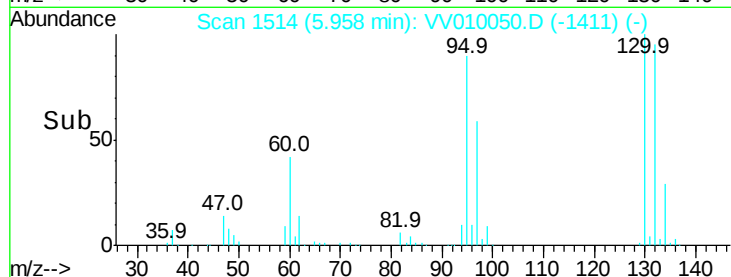
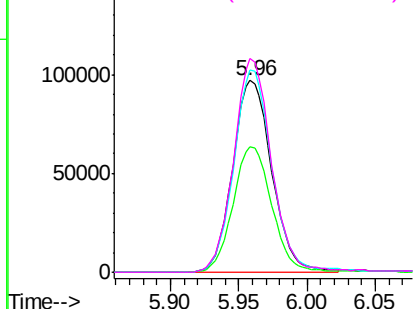
#35
 Trichloroethene
 Concen: 48.235 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 95 Resp: 193617
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.1 83.9
 132 101.8 71.7 133.3
 130 107.3 74.0 137.4

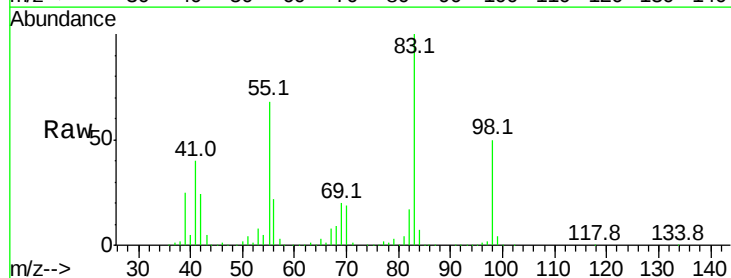


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

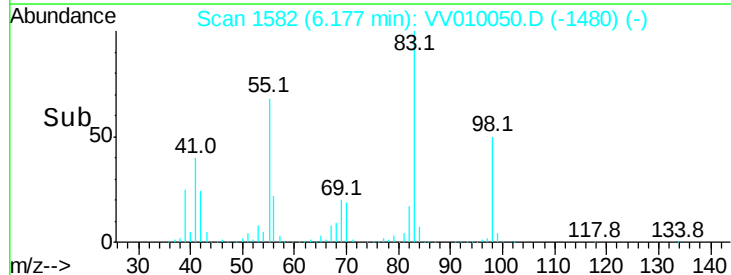
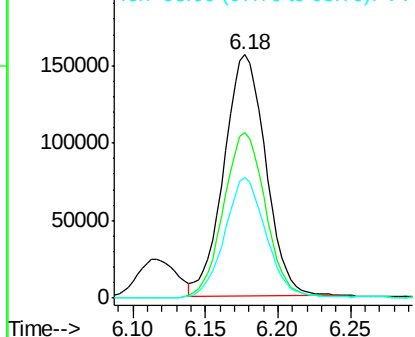


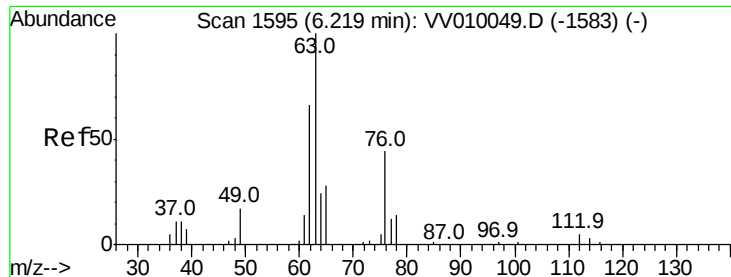
#36
 Methylcyclohexane
 Concen: 49.613 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion: 83 Resp: 312454
 Ion Ratio Lower Upper
 83 100
 55 69.3 54.4 81.6
 98 48.7 38.5 57.7



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

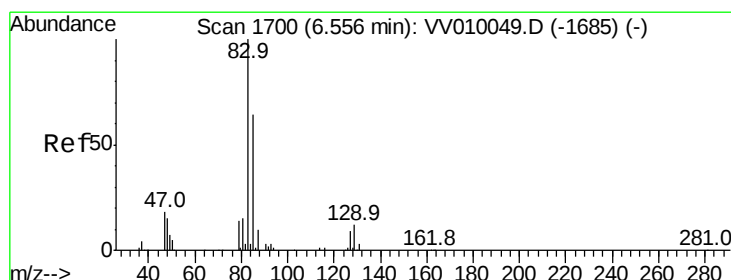
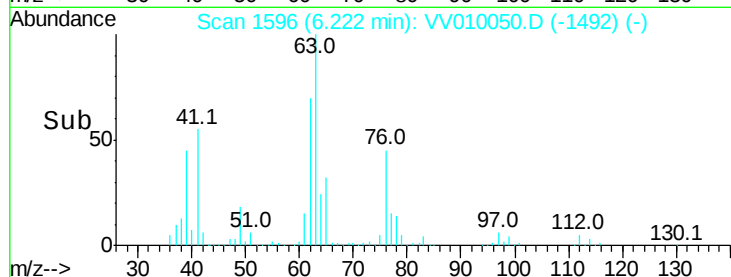
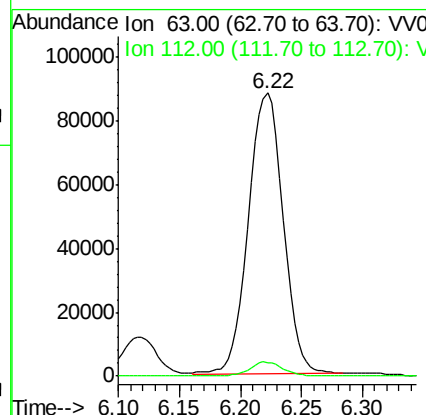
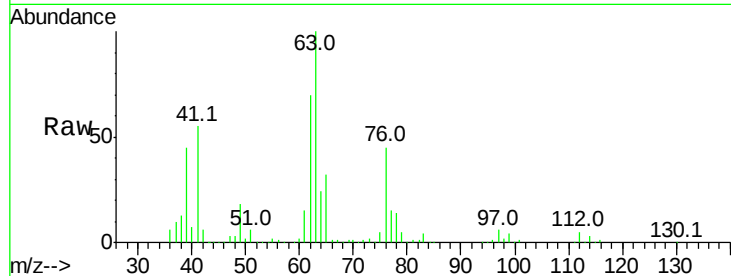




#40
 1,2-Dichloropropane
 Concen: 45.631 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

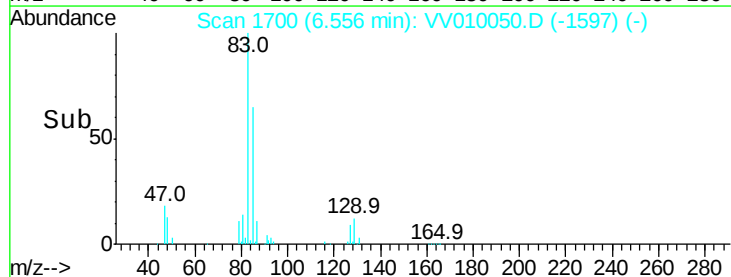
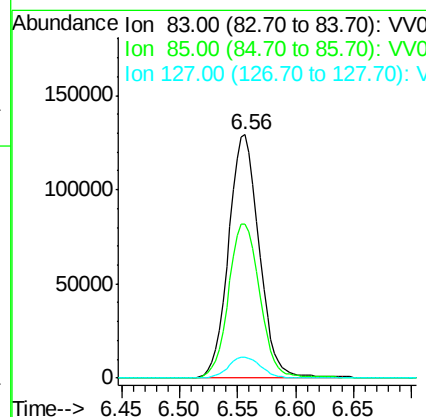
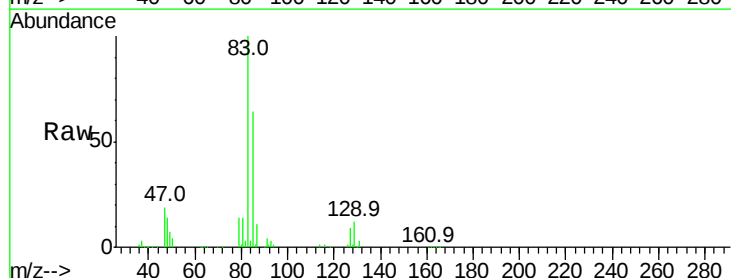
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

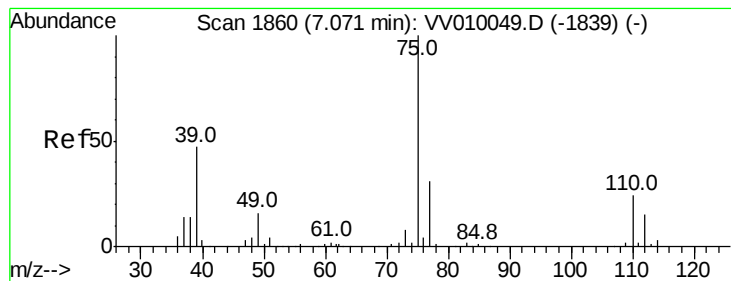
Tgt Ion: 63 Resp: 173517
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 50.264 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion: 83 Resp: 237702
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.5
 127 8.7 7.0 10.4



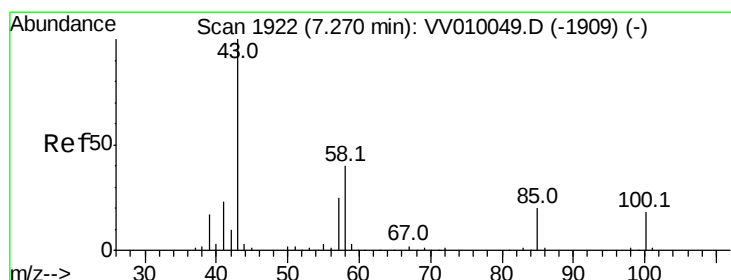
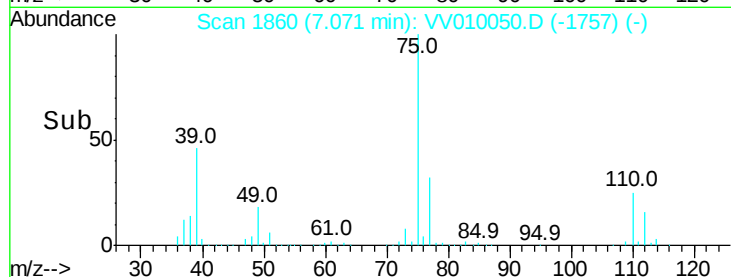
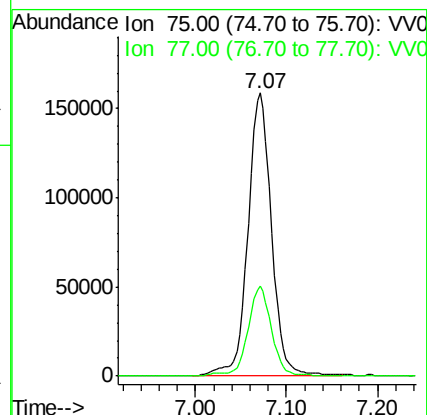
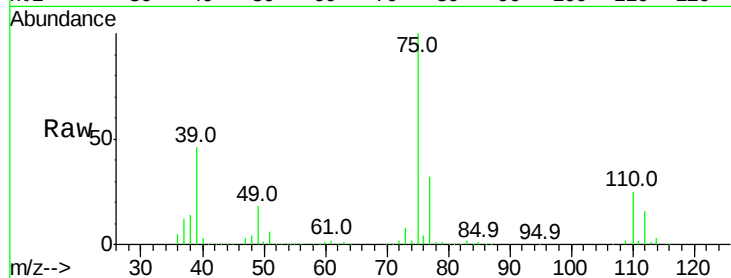


#42

cis-1,3-Dichloropropene
Concen: 51.630 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

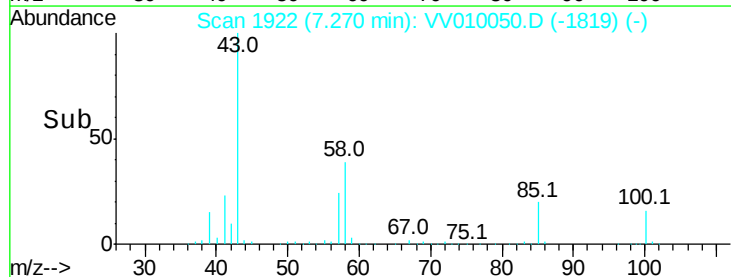
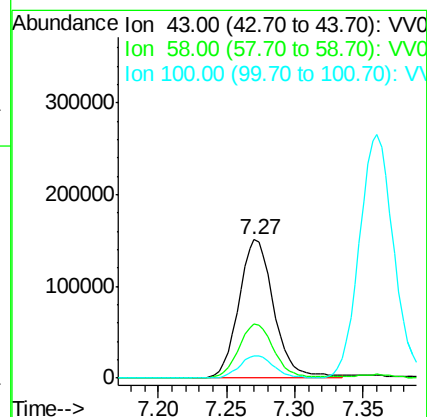
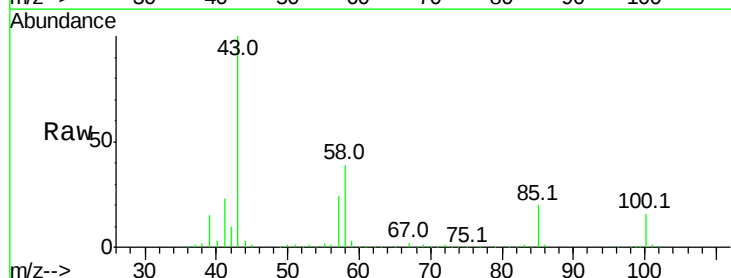
Tgt Ion: 75 Resp: 286241
Ion Ratio Lower Upper
75 100
77 31.8 22.0 40.8

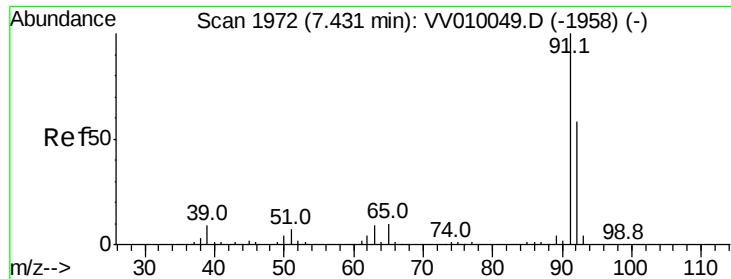


#43

4-Methyl-2-pentanone
Concen: 99.194 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion: 43 Resp: 269173
Ion Ratio Lower Upper
43 100
58 39.6 31.0 46.6
100 16.0 13.3 19.9





#44

Toluene

Concen: 48.041 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

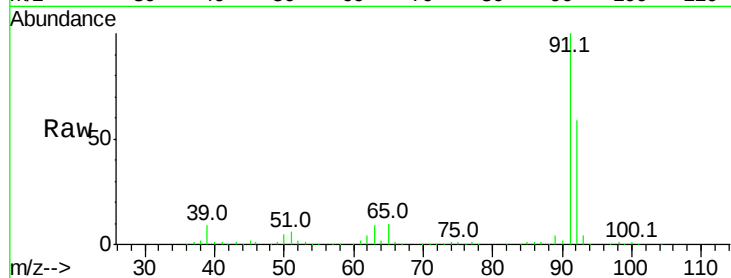
VSTD05064

Tgt Ion: 91 Resp: 805954

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VV010049.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010049.D (-1958) (-)

7.43

500000

400000

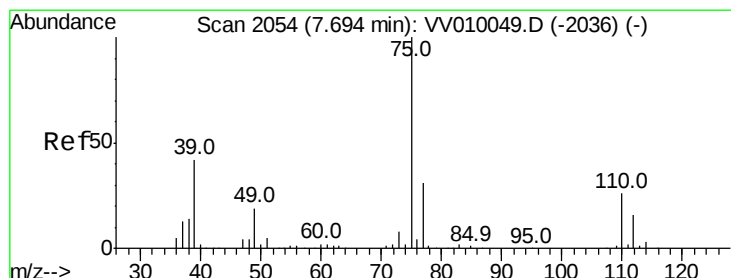
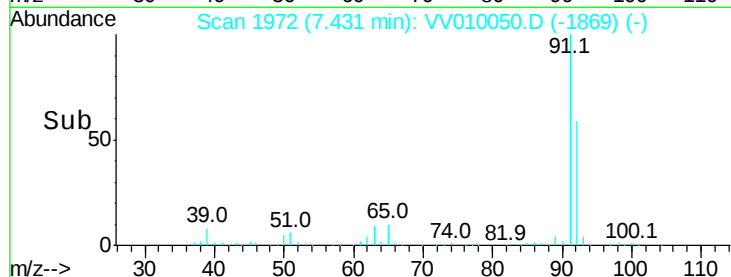
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#45

trans-1,3-Dichloropropene

Concen: 52.391 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010050.D

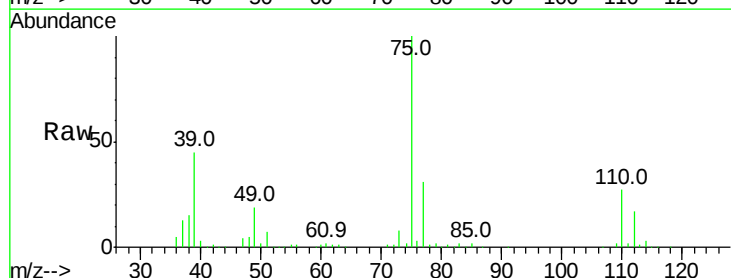
Acq: 01 Apr 2019 15:54

Tgt Ion: 75 Resp: 237767

Ion Ratio Lower Upper

75 100

77 30.8 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV010049.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010049.D (-2036) (-)

7.69

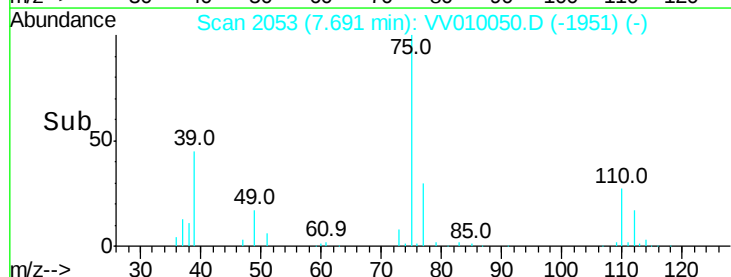
150000

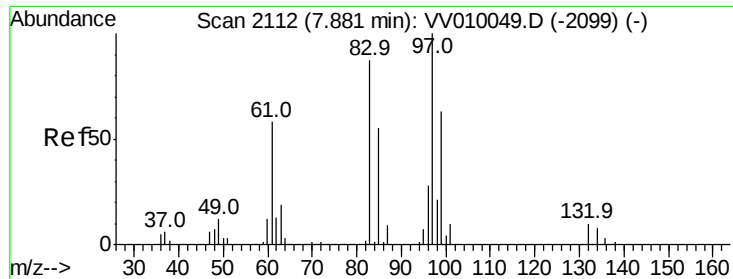
100000

50000

0

Time--> 7.60 7.65 7.70 7.75

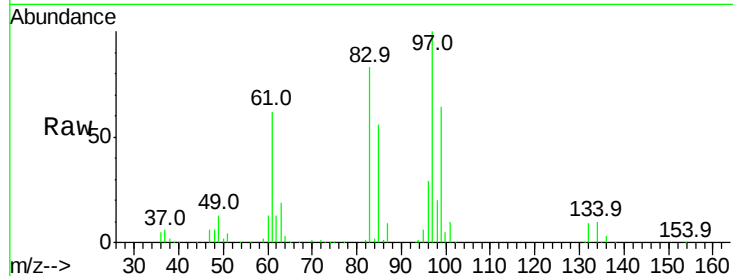




#46
 1,1,2-Trichloroethane
 Concen: 50.033 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion:	97	Resp:	157352
Ion	Ratio	Lower	Upper
97	100		
83	83.5	61.1	113.5
85	56.1	38.6	71.8
99	63.6	44.0	81.8

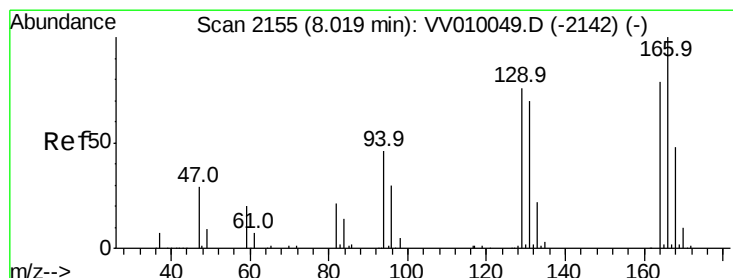
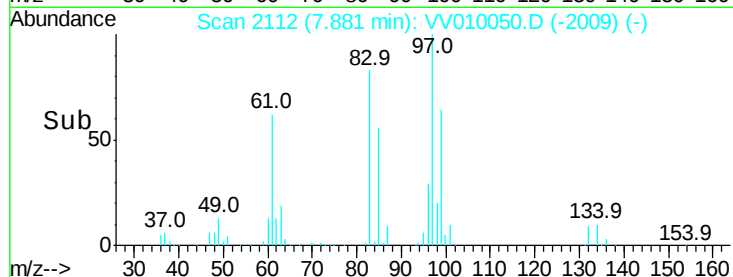
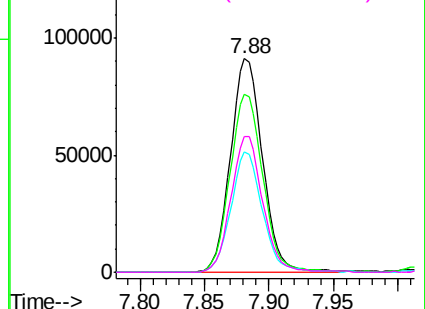


Abundance Ion 97.00 (96.70 to 97.70): VV010049.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010049.D (-2099) (-)

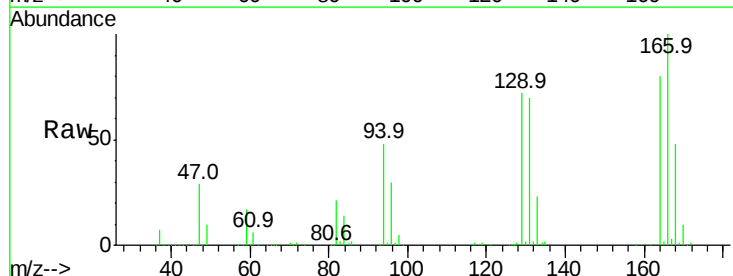
Ion 85.00 (84.70 to 85.70): VV010049.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010049.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 54.641 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion:	164	Resp:	173077
Ion	Ratio	Lower	Upper
164	100		
129	90.3	67.1	124.5
131	88.1	62.0	115.2
166	125.2	88.5	164.4

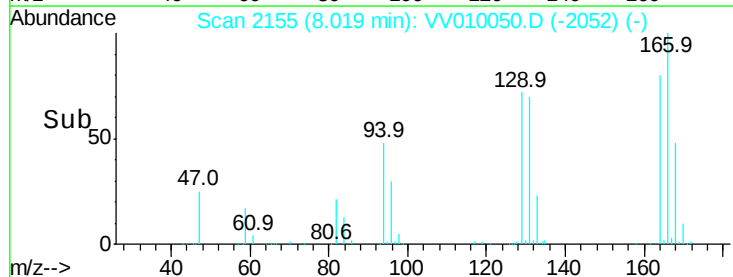
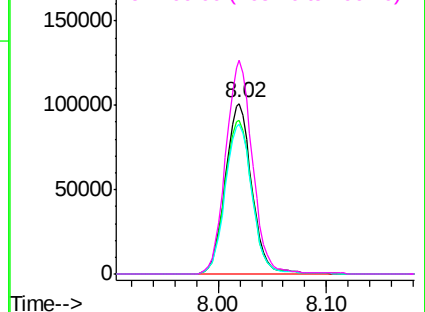


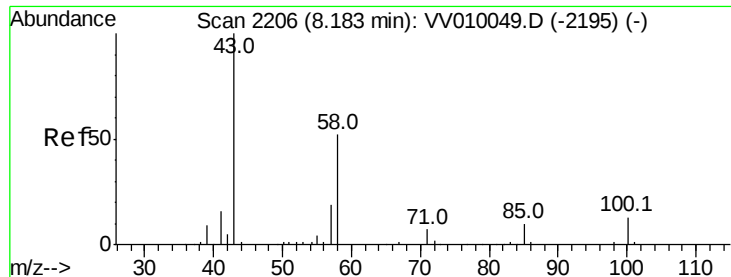
Abundance Ion 164.00 (163.70 to 164.70): VV010049.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV010049.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV010049.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV010049.D (-2142) (-)

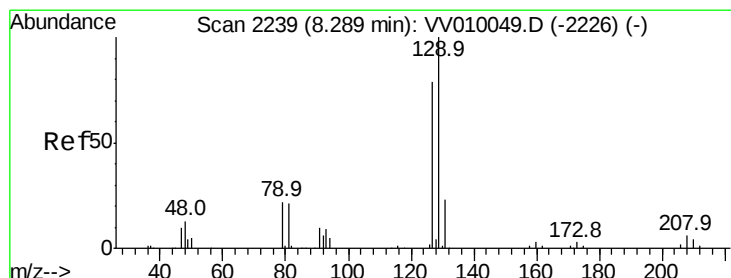
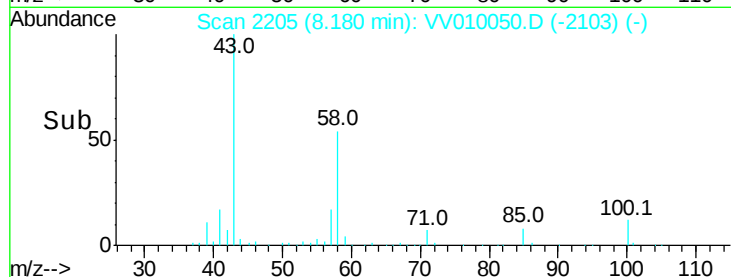
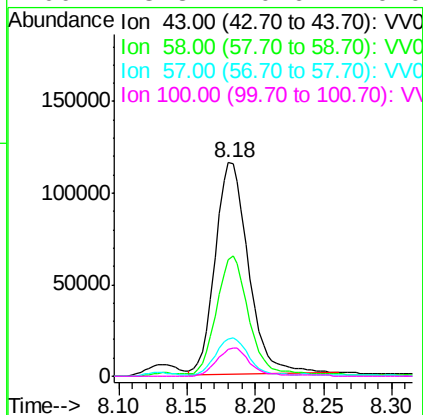
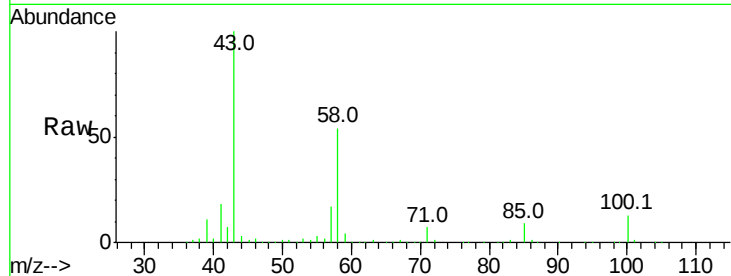




#49
2-Hexanone
Concen: 107.440 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

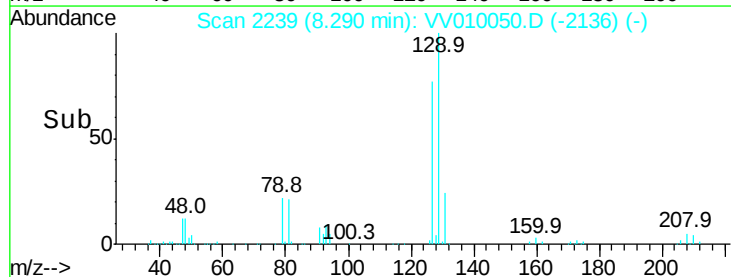
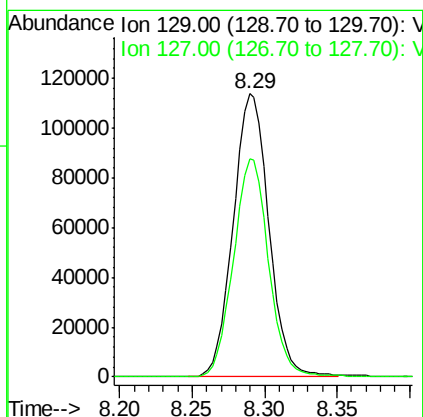
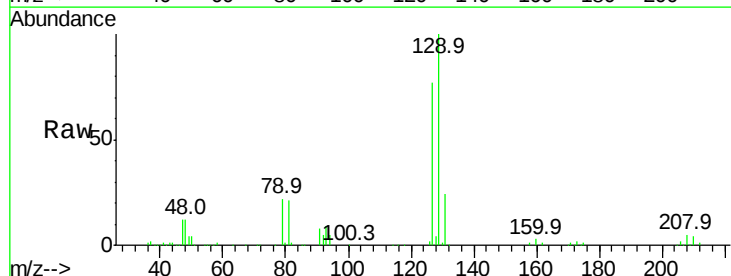
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

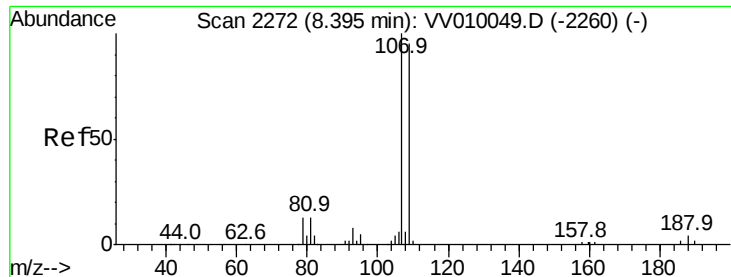
Tgt Ion: 43 Resp: 197046
Ion Ratio Lower Upper
43 100
58 53.4 41.9 62.9
57 17.3 15.2 22.8
100 13.3 10.6 16.0



#50
Dibromochloromethane
Concen: 59.681 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion: 129 Resp: 194624
Ion Ratio Lower Upper
129 100
127 77.2 55.4 103.0





#51

1,2-Dibromoethane

Concen: 53.358 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

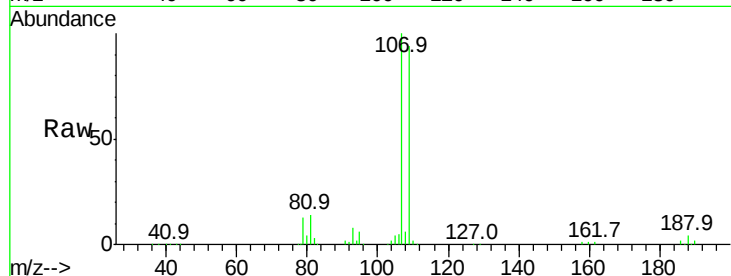
Tgt Ion:107 Resp: 162938

Ion Ratio Lower Upper

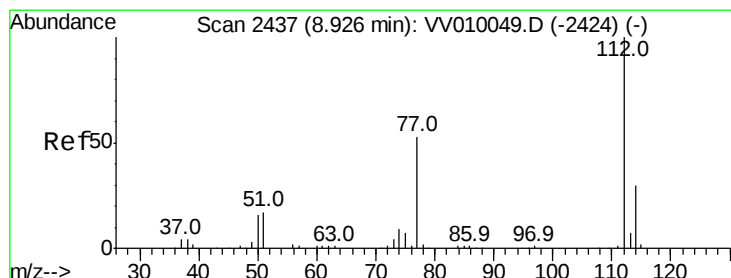
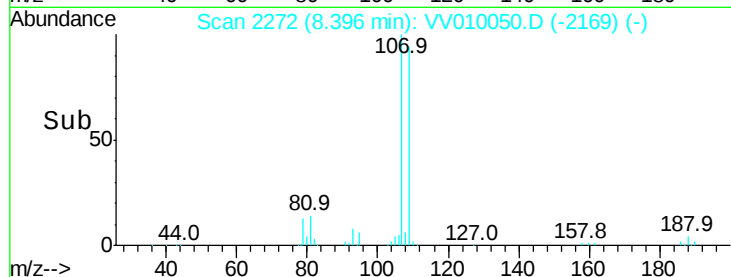
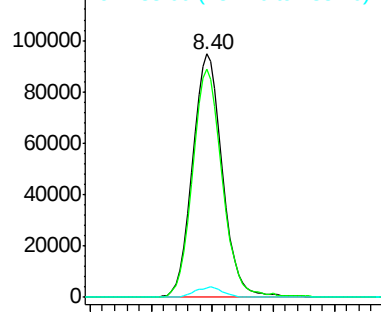
107 100

109 93.8 66.8 124.0

188 4.0 3.5 5.3



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: 49.026 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

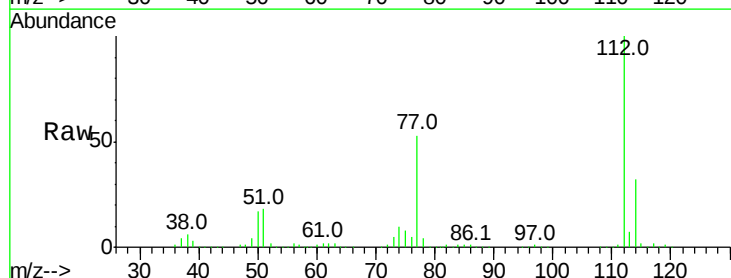
Tgt Ion:112 Resp: 547534

Ion Ratio Lower Upper

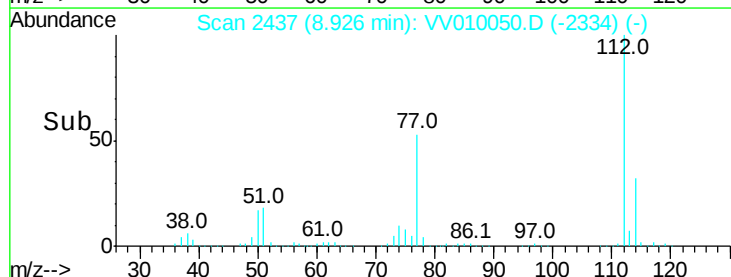
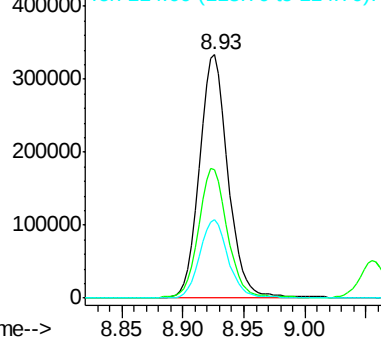
112 100

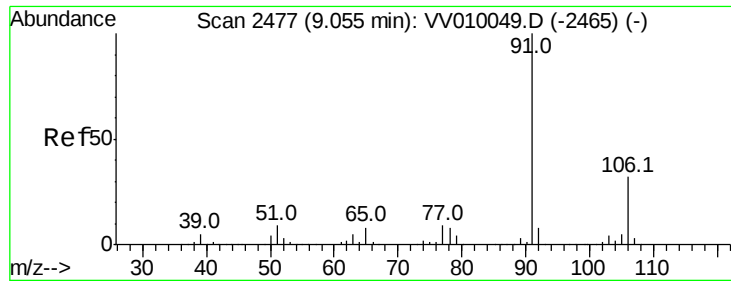
77 52.9 42.6 63.8

114 32.0 20.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

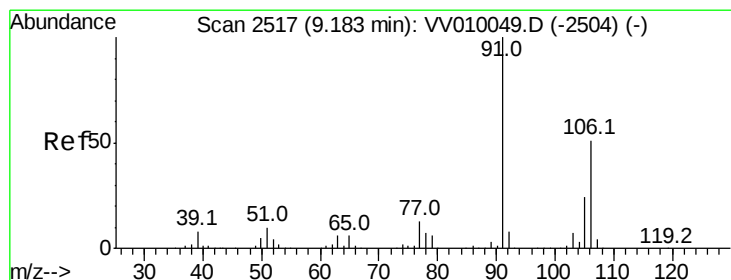
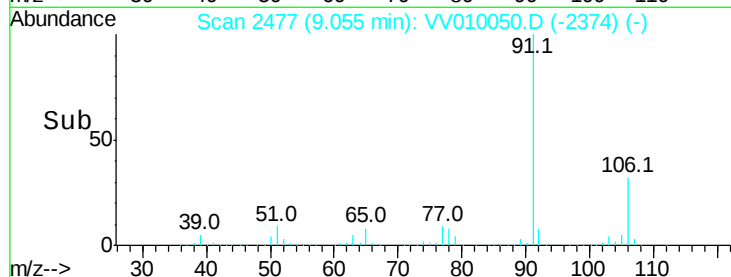
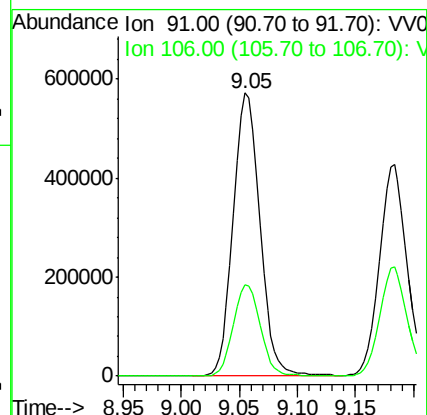
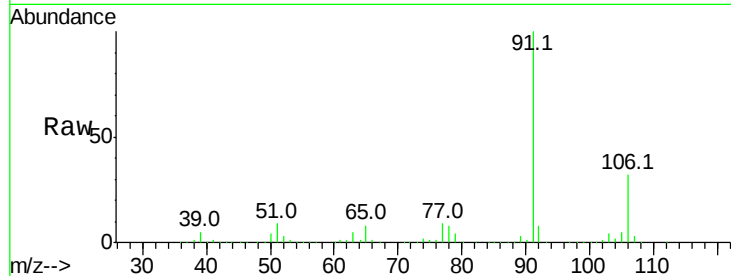




#53
Ethylbenzene
Concen: 49.431 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

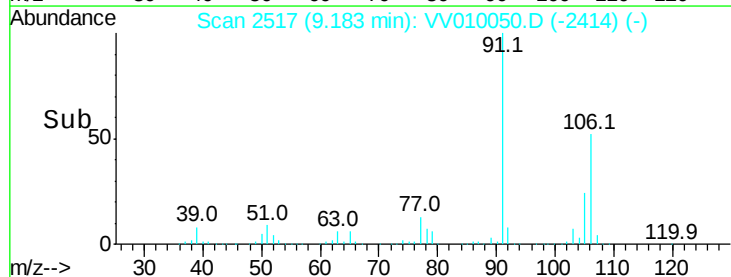
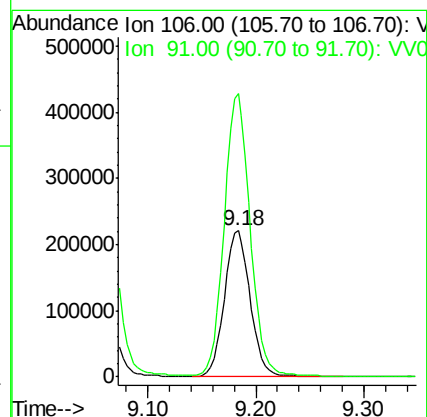
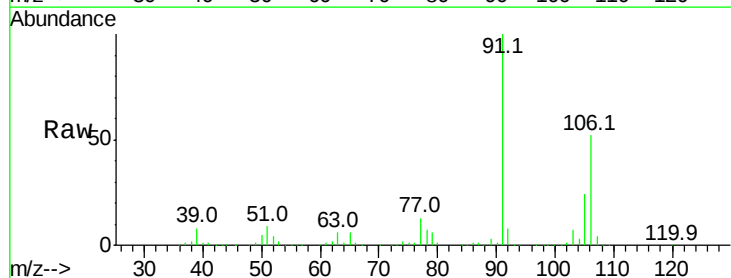
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

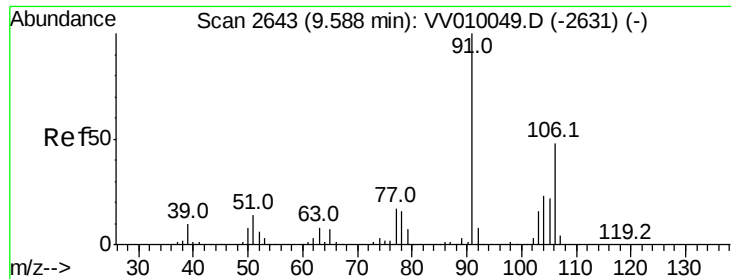
Tgt Ion: 91 Resp: 914785
Ion Ratio Lower Upper
91 100
106 32.1 22.6 42.0



#54
m,p-Xylene
Concen: 50.462 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion: 106 Resp: 366783
Ion Ratio Lower Upper
106 100
91 193.5 136.4 253.4

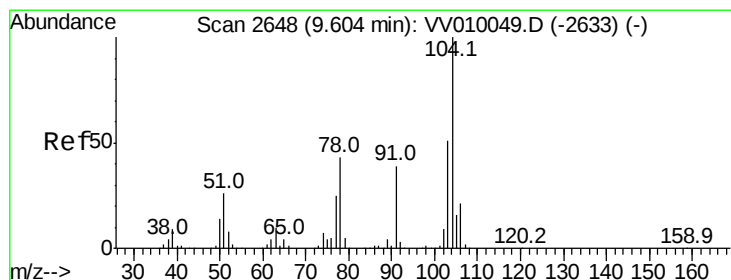
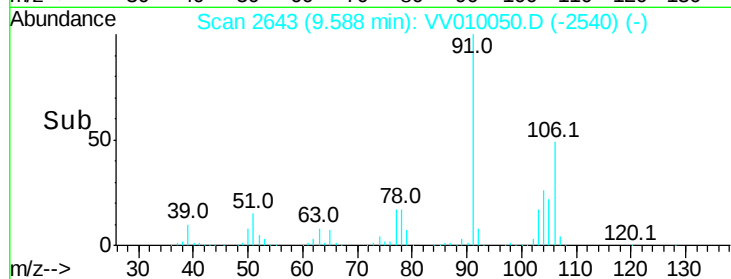
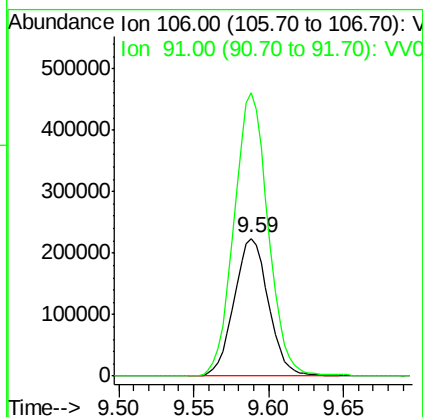
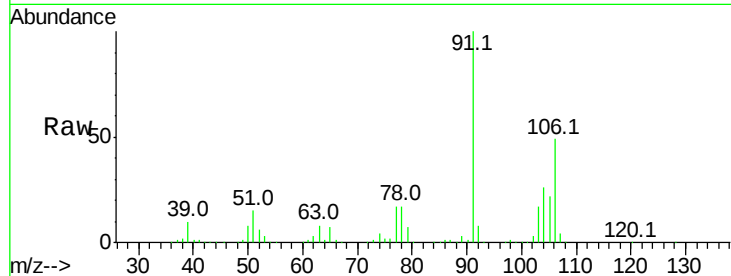




#55
o-xylene
Concen: 50.921 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

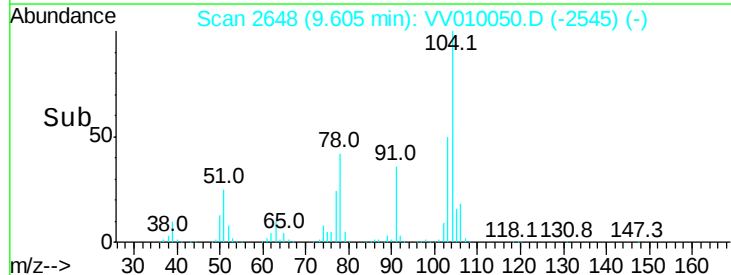
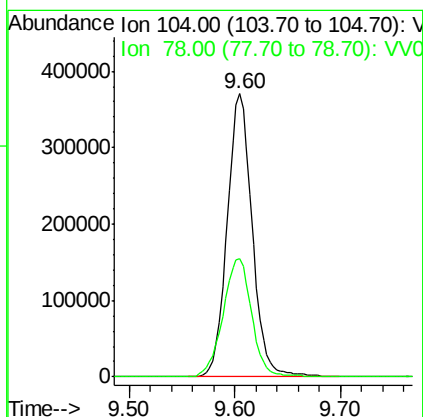
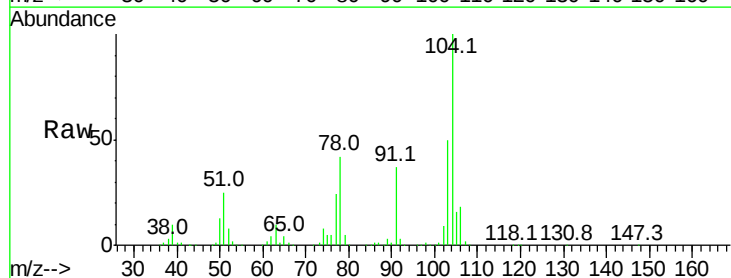
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

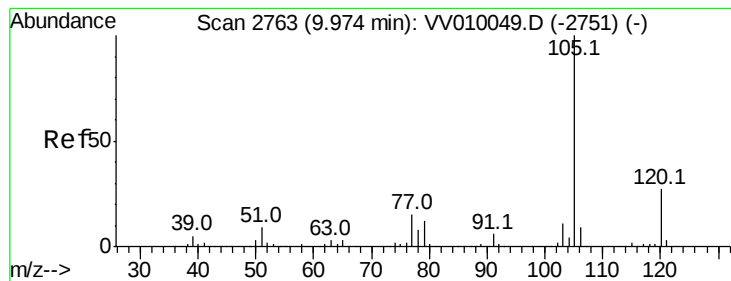
Tgt Ion:106 Resp: 359251
Ion Ratio Lower Upper
106 100
91 205.5 147.0 273.0



#56
Styrene
Concen: 50.218 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion:104 Resp: 608552
Ion Ratio Lower Upper
104 100
78 41.8 30.0 55.6





#57

Isopropylbenzene

Concen: 51.640 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampled :

VSTD05064

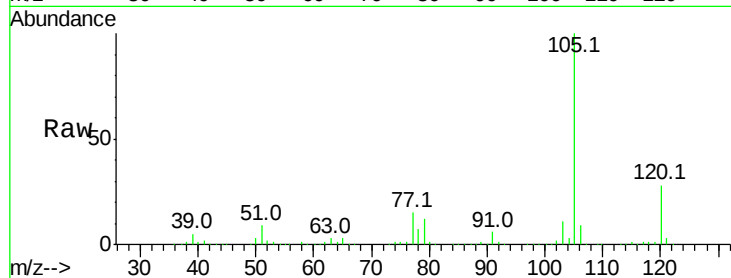
Tgt Ion:105 Resp: 945141

Ion Ratio Lower Upper

105 100

120 27.7 21.9 32.9

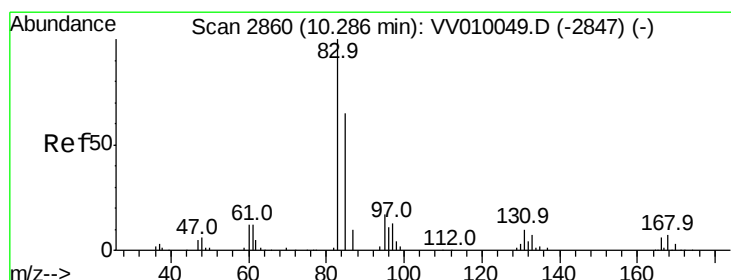
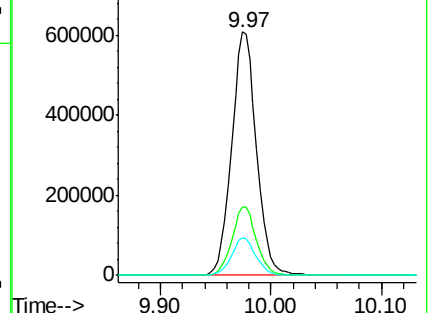
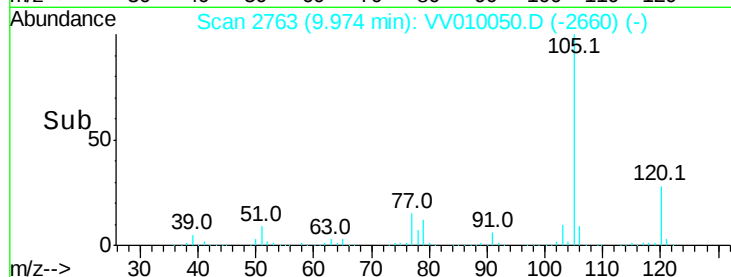
77 15.1 12.4 18.6



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: 49.640 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

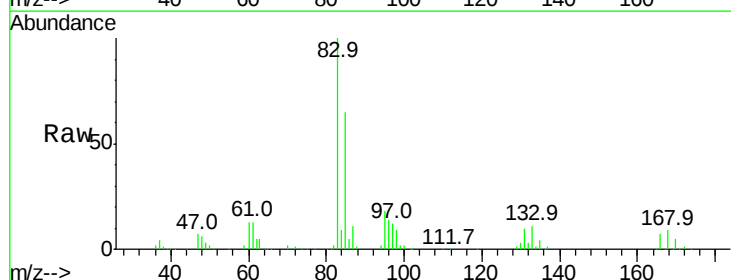
Tgt Ion: 83 Resp: 210431

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9

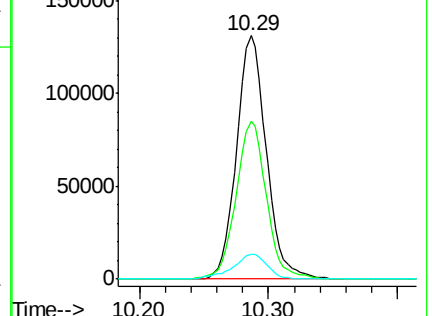
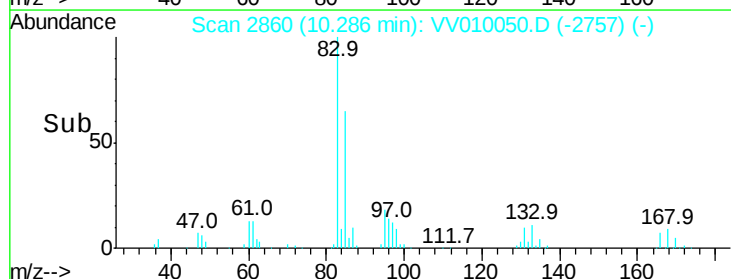
131 10.1 8.8 13.2

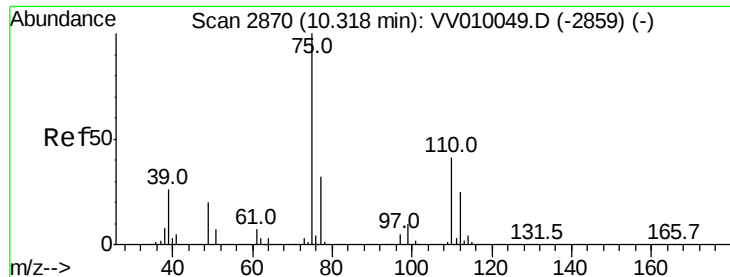


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

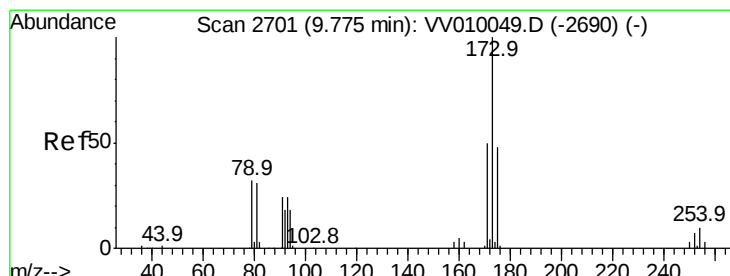
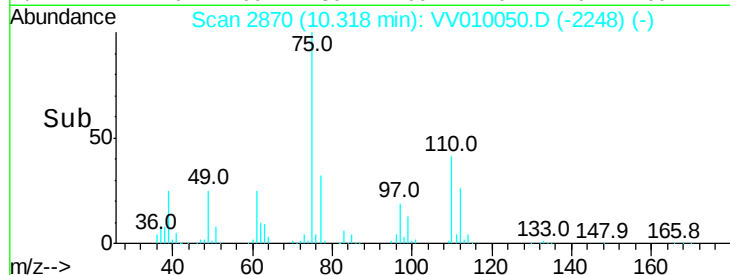
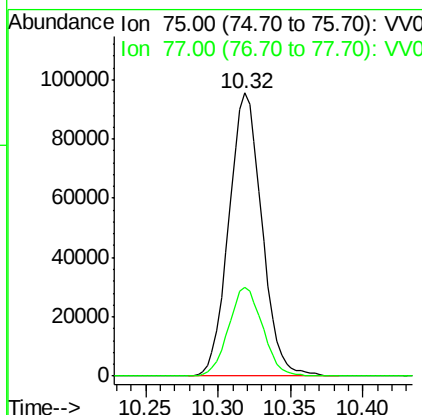
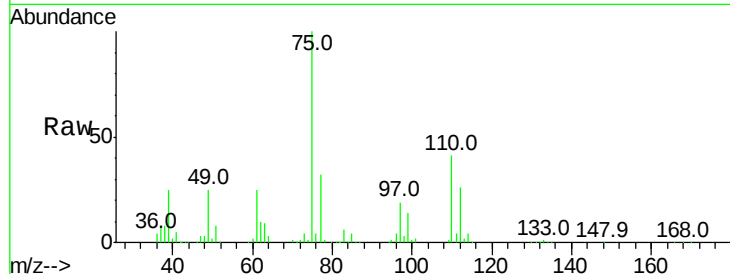




#59
 1,2,3-Trichloropropane
 Concen: 49.298 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

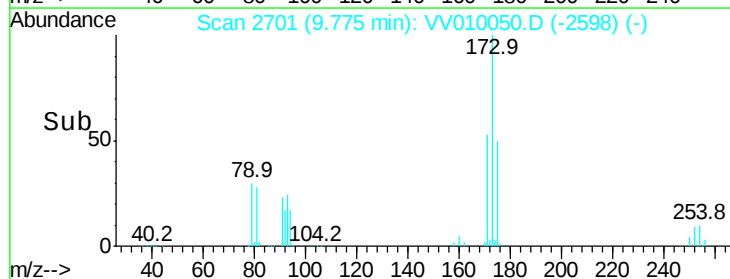
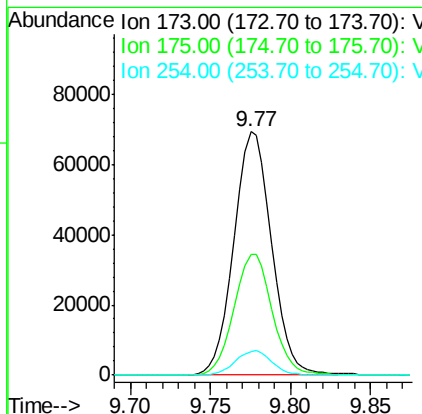
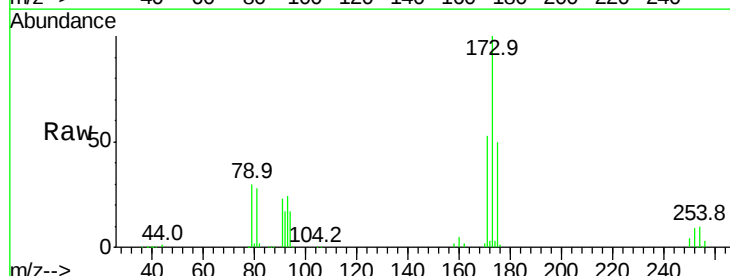
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

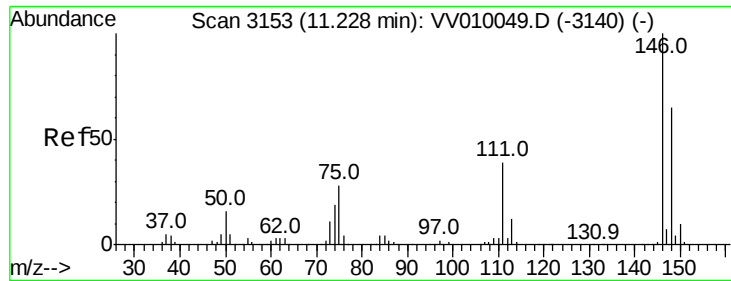
Tgt Ion: 75 Resp: 150829
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#62
 Bromoform
 Concen: 58.865 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion: 173 Resp: 111318
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.6 58.0
 254 9.6 7.6 11.4

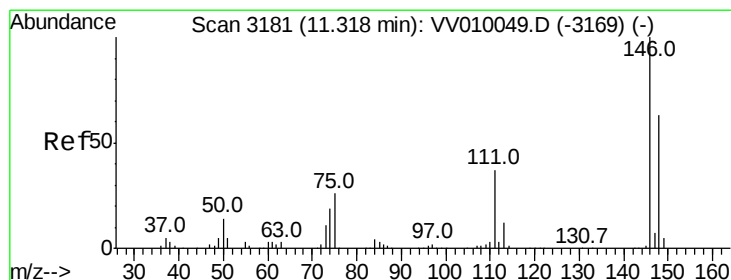
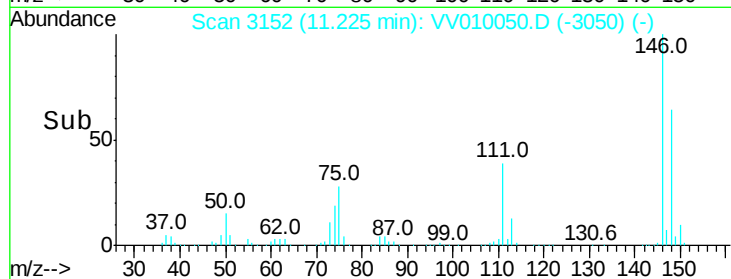
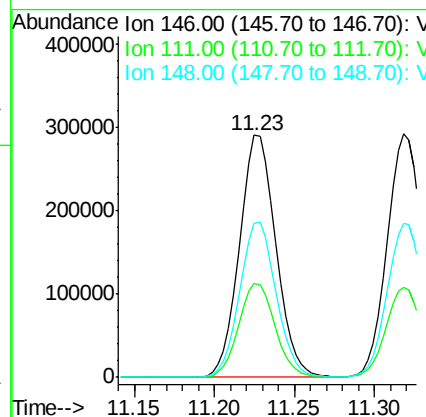
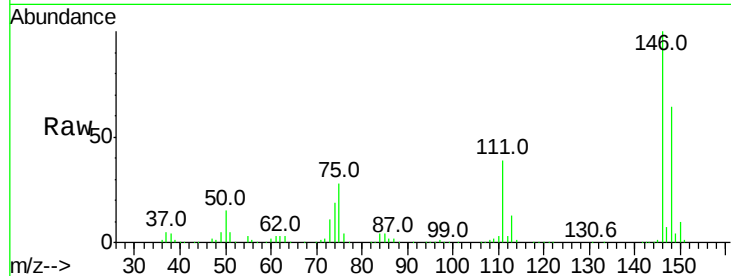




#63
 1,3-Dichlorobenzene
 Concen: 49.612 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

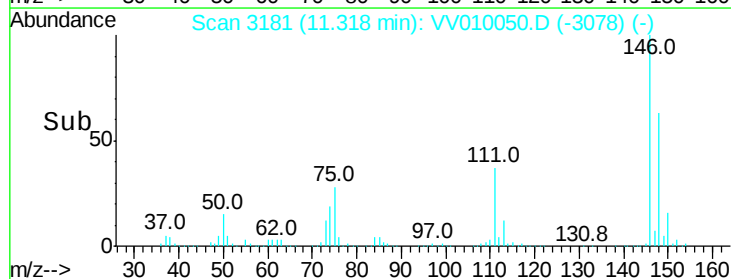
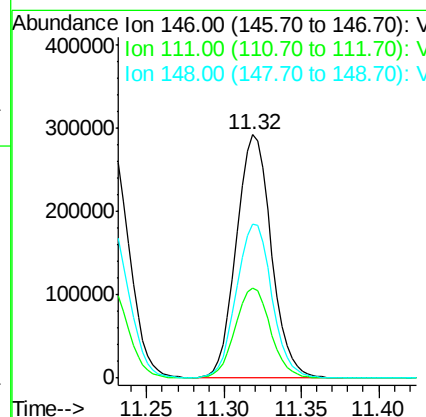
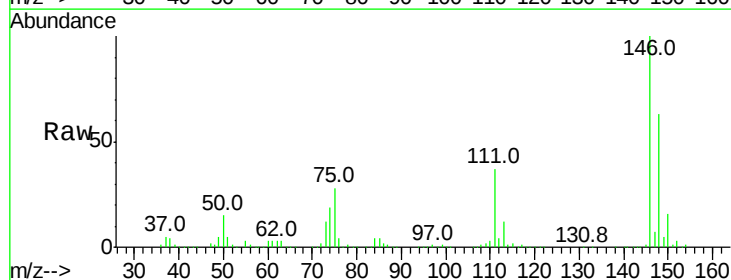
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

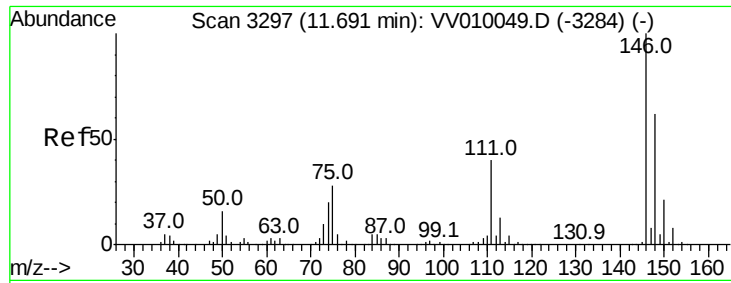
Tgt Ion:146 Resp: 451136
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.4 51.0
 148 63.5 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 46.567 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion:146 Resp: 460199
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.2 48.8
 148 63.2 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 48.822 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

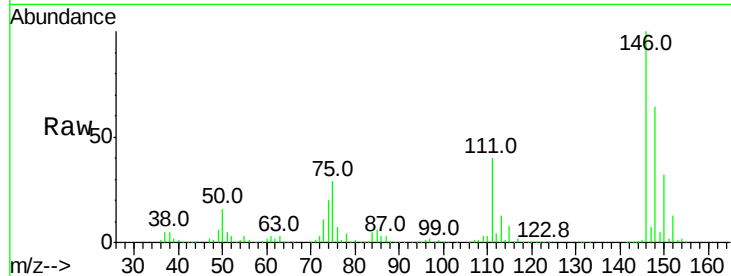
Tgt Ion:146 Resp: 438137

Ion Ratio Lower Upper

146 100

111 39.8 32.2 48.4

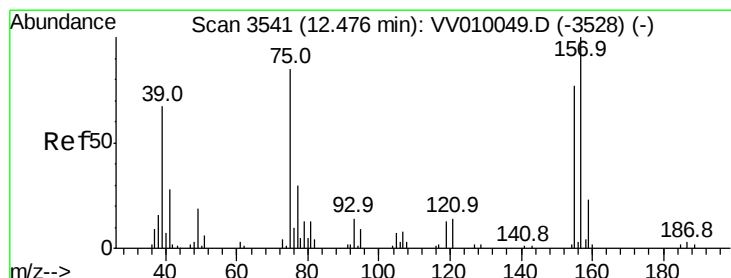
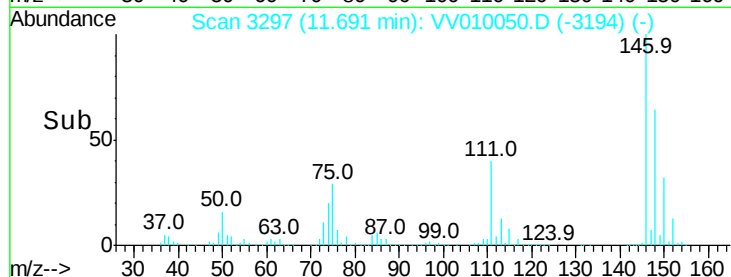
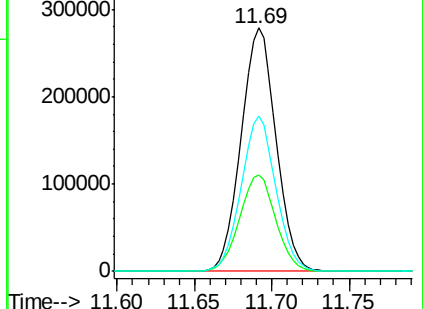
148 64.0 49.9 74.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 54.967 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010050.D

Acq: 01 Apr 2019 15:54

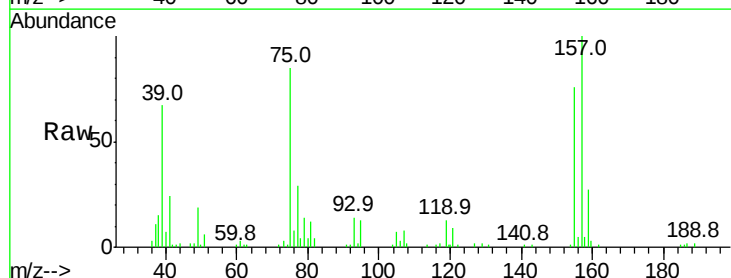
Tgt Ion: 75 Resp: 30831

Ion Ratio Lower Upper

75 100

157 117.7 94.2 141.4

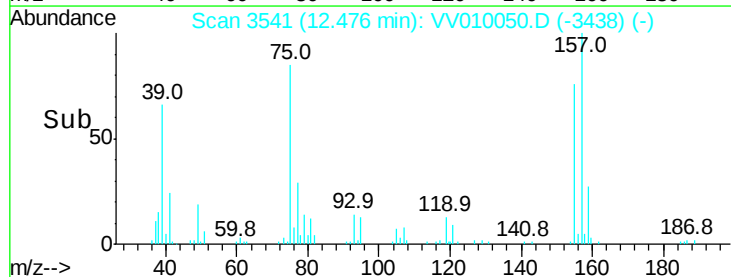
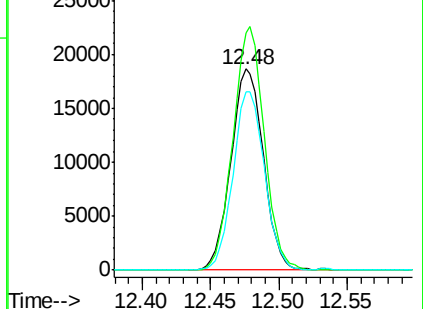
155 88.9 72.2 108.4

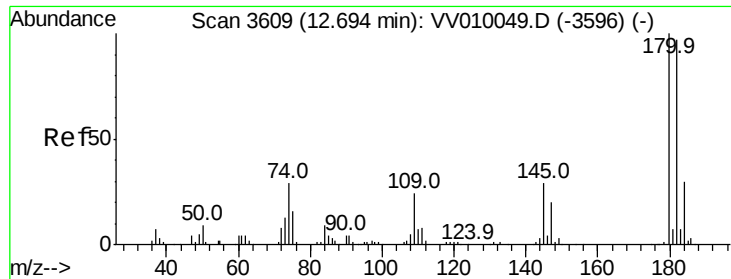


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

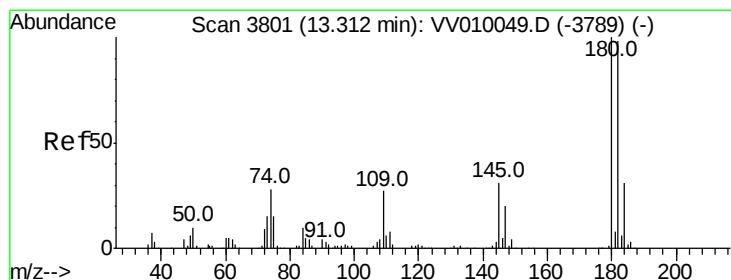
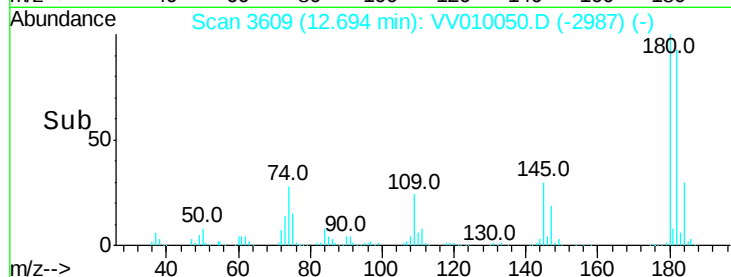
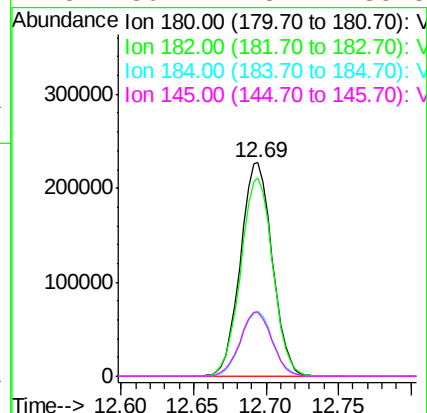
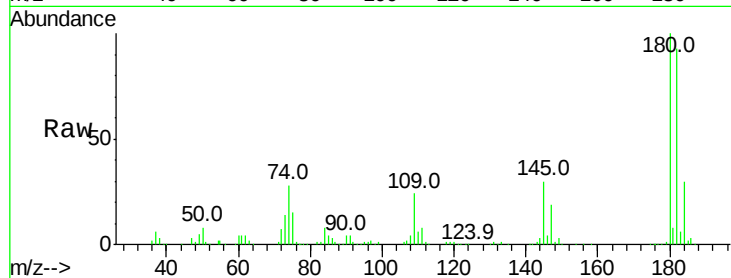




#67
 1,3,5-Trichlorobenzene
 Concen: 53.594 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

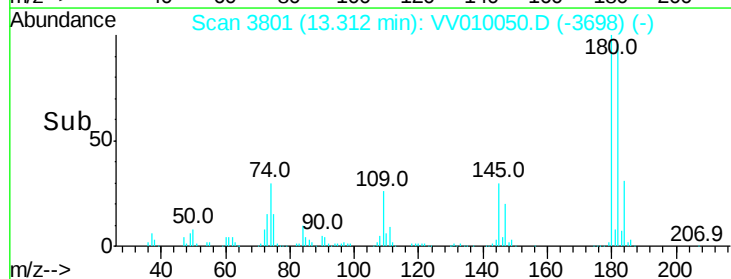
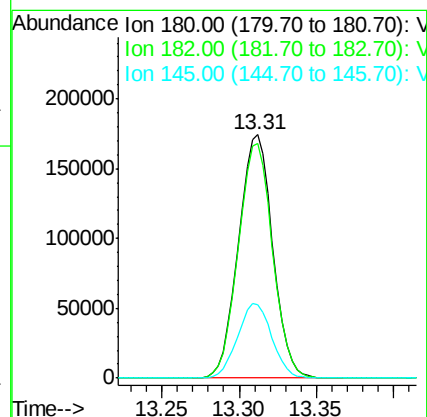
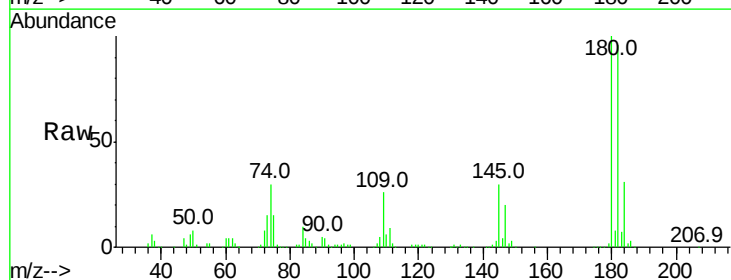
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

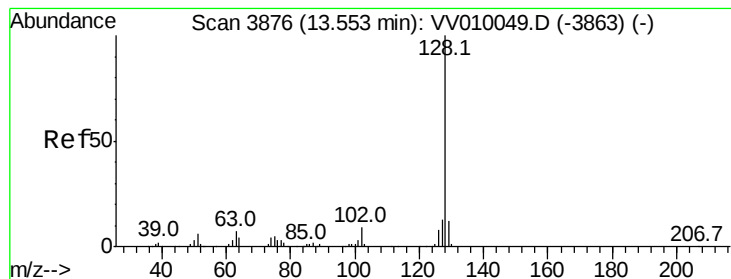
Tgt Ion:	180	Resp:	346101
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.3	115.9
184	30.3	24.3	36.5
145	30.4	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 56.076 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010050.D
 Acq: 01 Apr 2019 15:54

Tgt Ion:	180	Resp:	267131
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.8	115.2
145	30.7	25.1	37.7

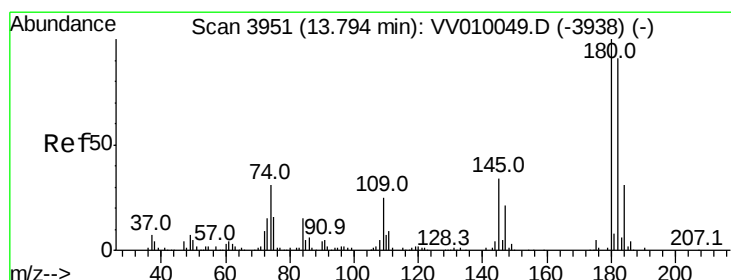
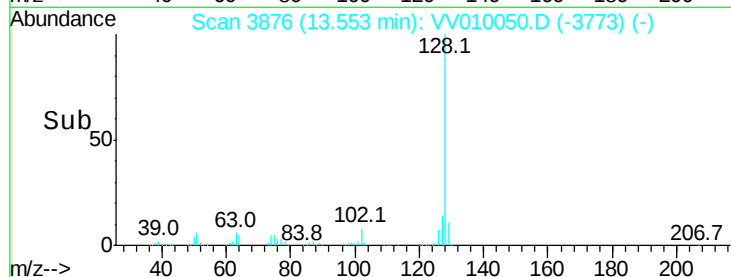
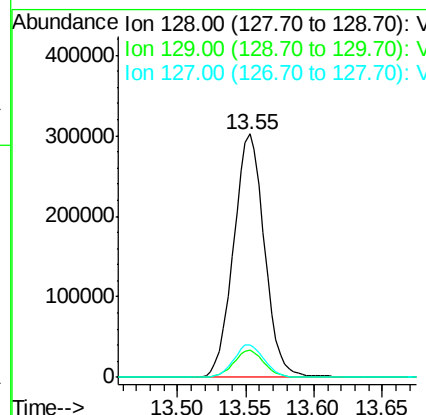
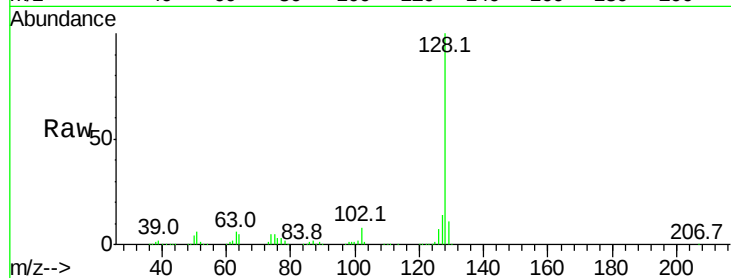




#69
Naphthalene
Concen: 60.063 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion:128 Resp: 475612
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 56.943 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010050.D
Acq: 01 Apr 2019 15:54

Tgt Ion:180 Resp: 257927
Ion Ratio Lower Upper
180 100
182 95.0 74.2 111.2
145 32.0 26.7 40.1

