

Data File : VV012929.D
Acq On : 23 Sep 2019 10:32
Operator : SY/MD
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Quant Time: Sep 23 11:24:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	755396	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	754765	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	400307	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61530	5.75	ug/L	0.00
7) Chloroethane-d5	1.58	69	50061	5.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	100750	5.62	ug/L	0.00
20) 2-Butanone-d5	3.96	46	38495	10.56	ug/L	0.00
24) Chloroform-d	4.40	84	107415	5.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	61377	6.10	ug/L	0.00
29) Benzene-d6	5.10	84	213460	5.56	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	67952	5.79	ug/L	0.00
37) Toluene-d8	7.36	98	184853	5.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	26885	5.51	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	20330	9.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61779	5.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	78887	5.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32308	3.864 ug/L	96
3) Chloromethane	1.25	50	49225	4.511 ug/L	99
5) Vinyl chloride	1.32	62	48393	4.461 ug/L	97
6) Bromomethane	1.54	94	31561	4.775 ug/L	98
8) Chloroethane	1.60	64	32604	4.803 ug/L	99
9) Trichlorofluoromethane	1.77	101	70602	4.908 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46025	5.079 ug/L	99
12) 1,1-Dichloroethene	2.14	96	41579	4.863 ug/L	94
13) Acetone	2.22	43	35141	7.471 ug/L	96
14) Carbon disulfide	2.32	76	127486	4.685 ug/L	100
15) Methyl Acetate	2.47	43	30198	4.818 ug/L	99
16) Methylene chloride	2.53	84	55931	3.264 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	112995	4.842 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	49000	4.913 ug/L	99
19) 1,1-Dichloroethane	3.23	63	89003	4.953 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	51499	4.876 ug/L	99
23) Bromochloromethane	4.30	128	25863	5.200 ug/L	98
25) Chloroform	4.42	83	93829	5.171 ug/L	99
27) 1,2-Dichloroethane	5.18	62	65355	5.165 ug/L	95
30) Cyclohexane	4.72	56	71623	4.087 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	72569	4.738 ug/L	99
32) Carbon tetrachloride	4.87	117	65770	4.801 ug/L	96
34) Benzene	5.15	78	202239	4.746 ug/L	100
35) Trichloroethene	5.96	95	59131	5.103 ug/L	97
36) Methylcyclohexane	6.17	83	81257	4.305 ug/L	98
40) 1,2-Dichloropropane	6.22	63	49999	4.703 ug/L	95
41) Bromodichloromethane	6.55	83	65518	4.870 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	69487	4.392 ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	72322	8.331 ug/L	98
44) Toluene	7.43	91	207091	4.597 ug/L	97

Data File : VV012929.D
Acq On : 23 Sep 2019 10:32
Operator : SY/MD
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Quant Time: Sep 23 11:24:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	7.69	75	59206	4.547	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	44139	5.047	ug/L	97
47) Tetrachloroethene	8.02	164	46257	4.890	ug/L	94
49) 2-Hexanone	8.19	43	49461	7.009	ug/L	95
50) Dibromochloromethane	8.29	129	48662	4.907	ug/L	97
51) 1,2-Dibromoethane	8.40	107	41065	4.764	ug/L	98
52) Chlorobenzene	8.92	112	147907	4.907	ug/L	100
53) Ethylbenzene	9.05	91	222328	4.449	ug/L	99
54) m,p-Xylene	9.18	106	82869	4.385	ug/L	99
55) o-xylene	9.59	106	76982	4.323	ug/L	100
56) Styrene	9.60	104	133868	4.337	ug/L	100
57) Isopropylbenzene	9.97	105	205726	4.327	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	52335	4.730	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	43968	4.926	ug/L	98
62) Bromoform	9.77	173	30276	4.790	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	118997	4.859	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	126435	4.970	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	112576	4.891	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9236	4.659	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	89346	4.597	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	75291	4.466	ug/L	99
69) Naphthalene	13.55	128	127171	3.727	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	72802	4.442	ug/L	97

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

Data File : VV012929.D

Acq On : 23 Sep 2019 10:32

Operator : SY/MD

Sample : VSTD00502

Misc : 5.00G/10ML/MSVOA_V/SOIL

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

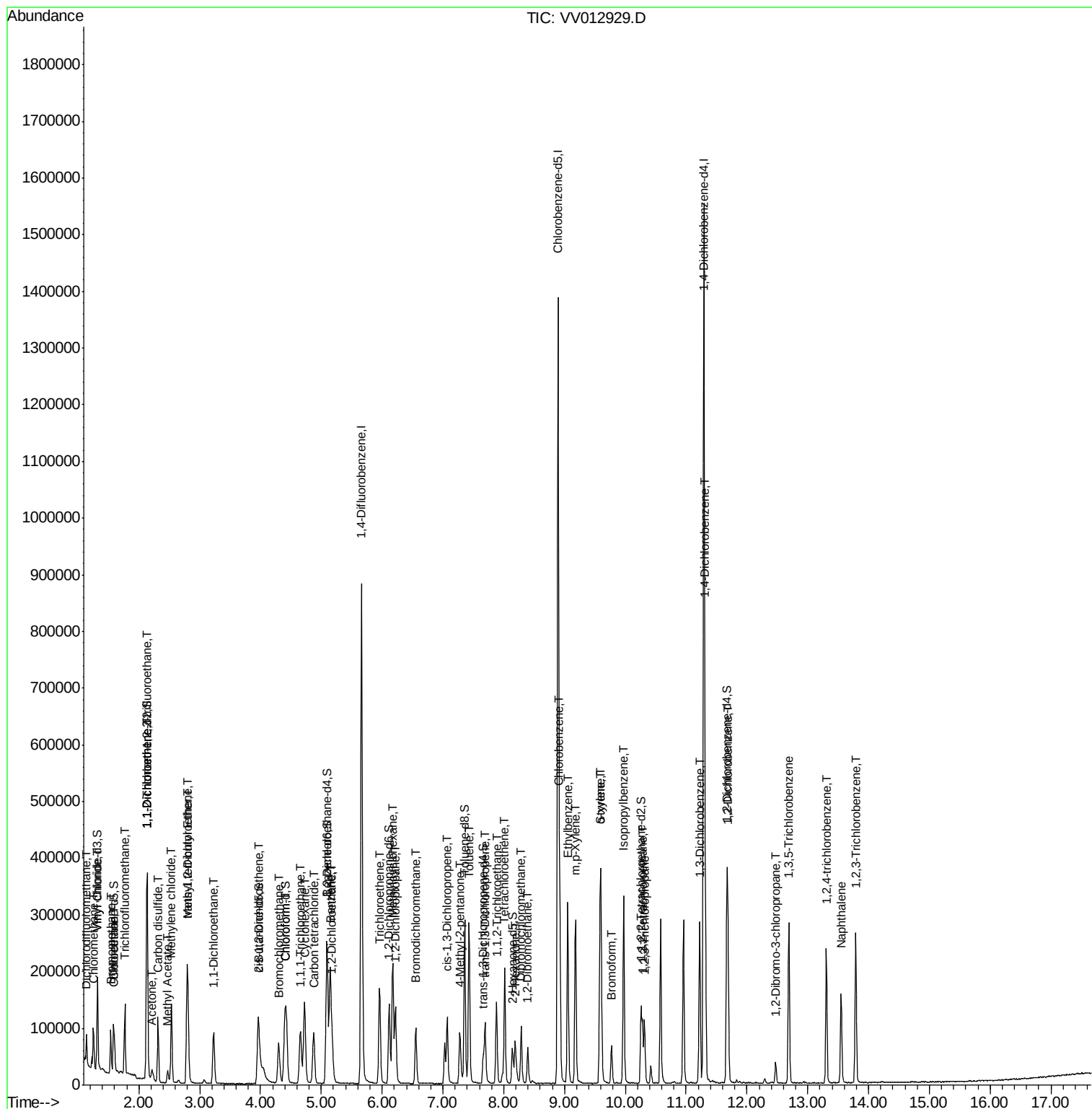
Quant Time: Sep 23 11:24:55 2019

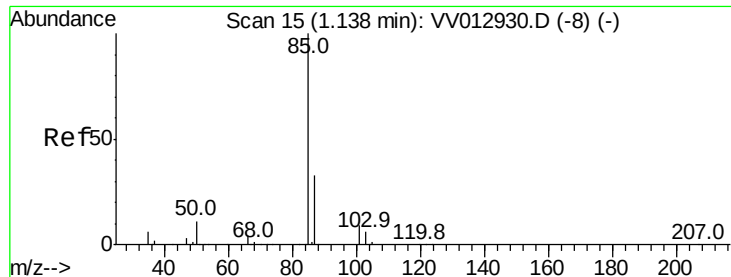
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM092319S.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 23 11:20:02 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.864 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

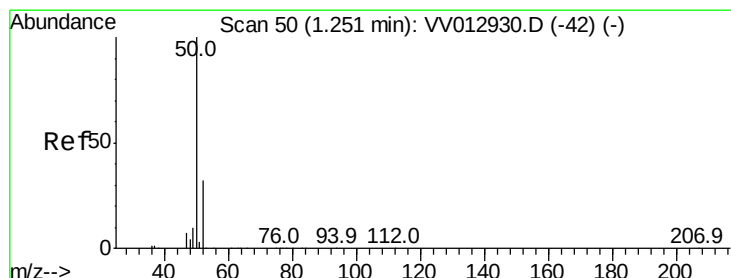
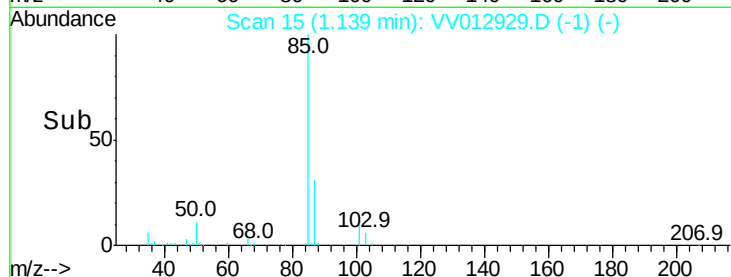
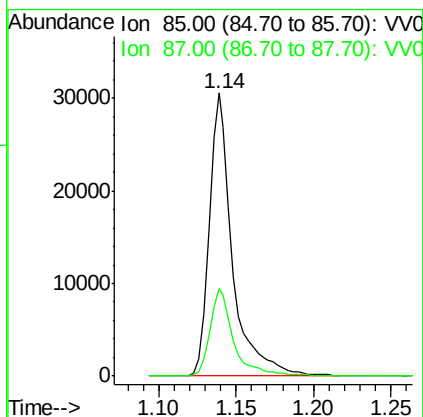
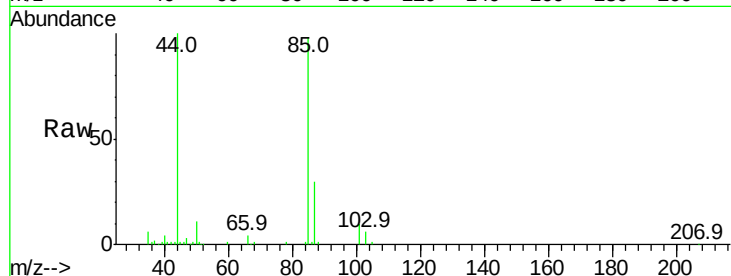
VSTD00562

Tgt Ion: 85 Resp: 32308

Ion Ratio Lower Upper

85 100

87 31.1 23.2 43.0



#3

Chloromethane

Concen: 4.511 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012929.D

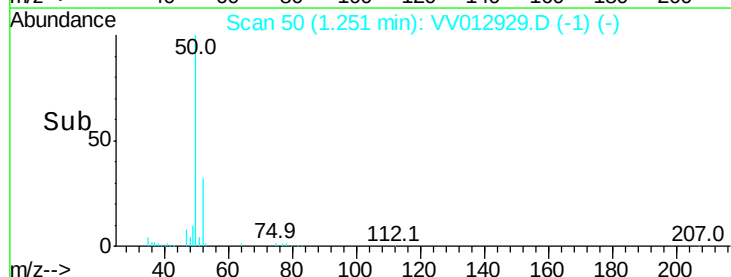
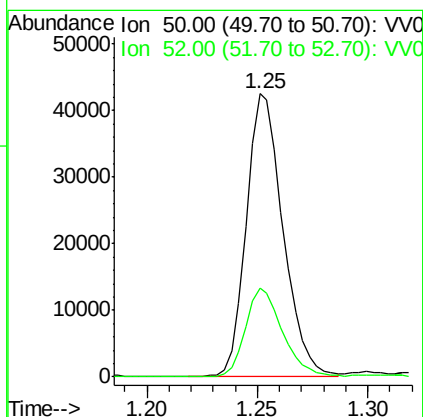
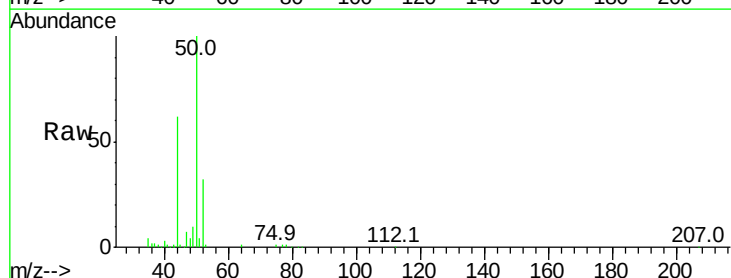
Acq: 23 Sep 2019 10:32

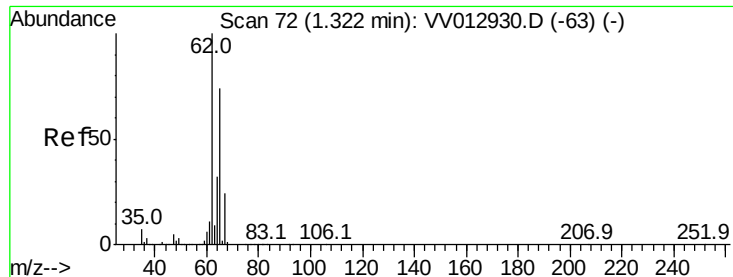
Tgt Ion: 50 Resp: 49225

Ion Ratio Lower Upper

50 100

52 31.6 22.7 42.1





#5

Vinyl chloride

Concen: 4.461 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

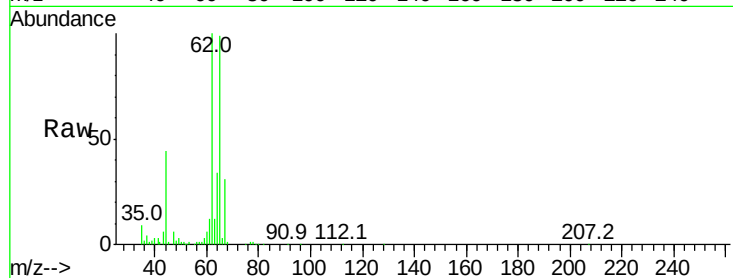
VSTD00562

Tgt Ion: 62 Resp: 48393

Ion Ratio Lower Upper

62 100

64 34.2 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

50000

40000

30000

20000

10000

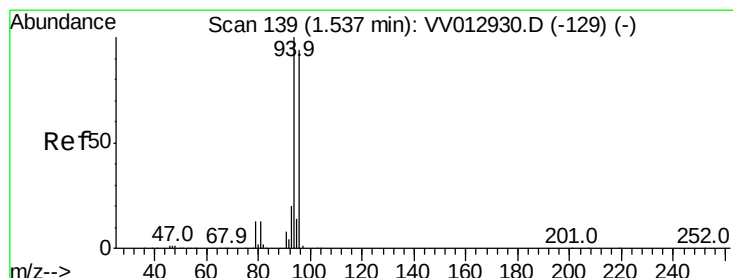
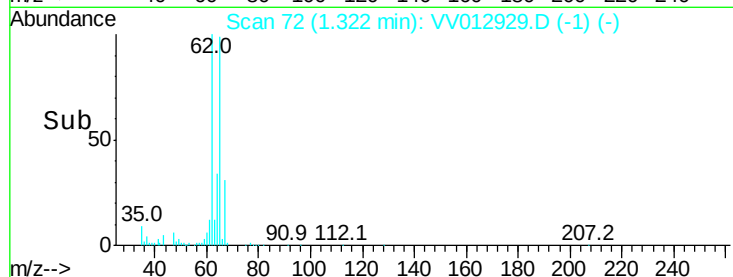
0

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 4.775 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012929.D

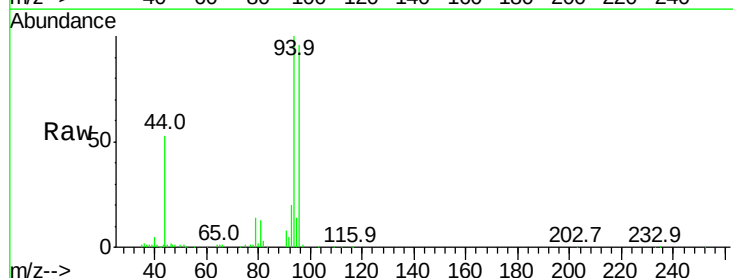
Acq: 23 Sep 2019 10:32

Tgt Ion: 94 Resp: 31561

Ion Ratio Lower Upper

94 100

96 95.7 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

30000

25000

20000

15000

10000

5000

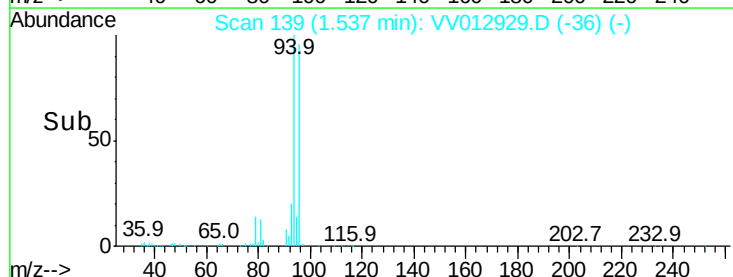
0

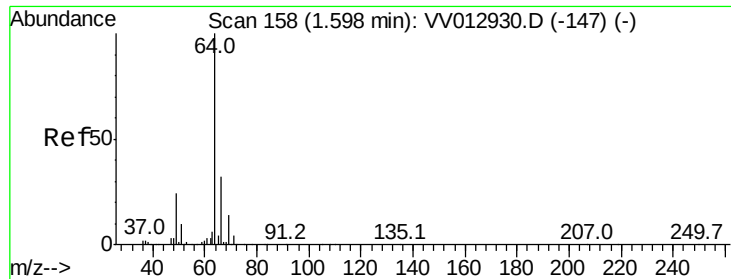
1.50

1.55

1.60

Time-->

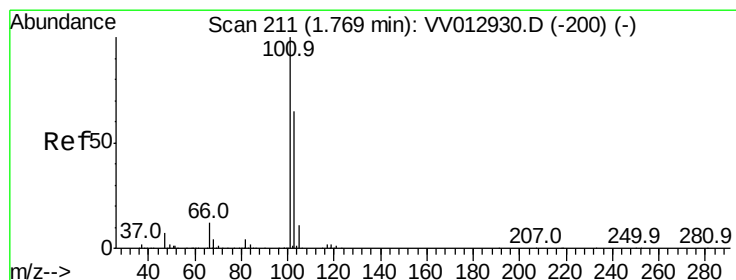
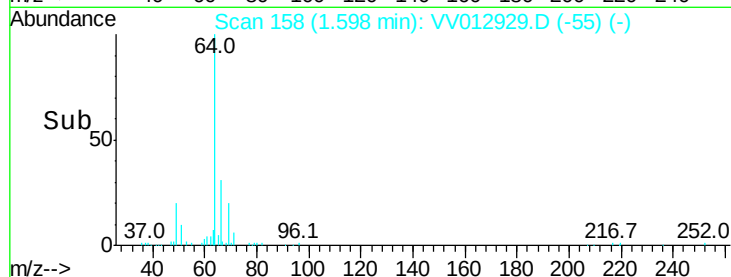
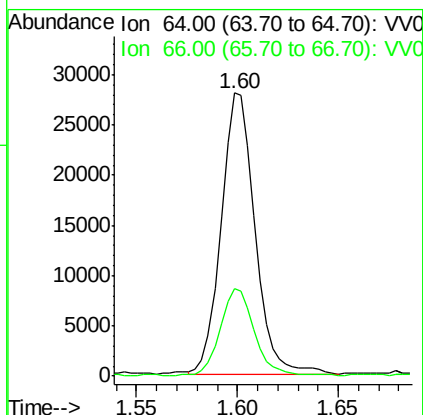
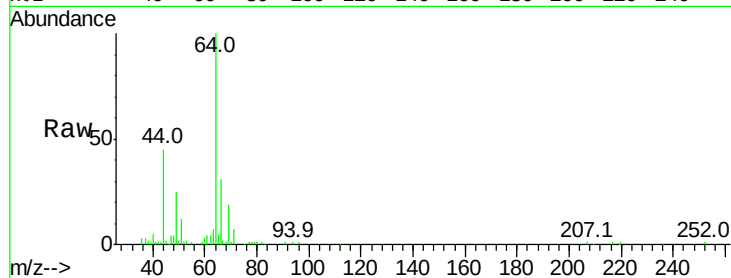




#8
Chloroethane
Concen: 4.803 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

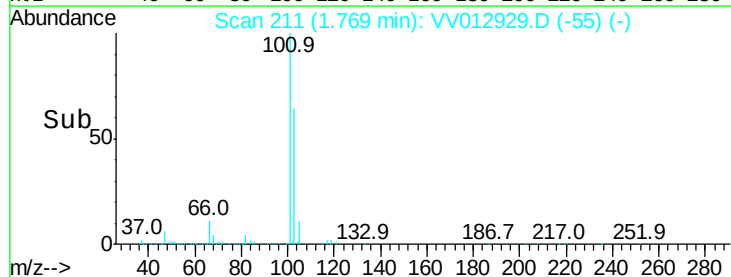
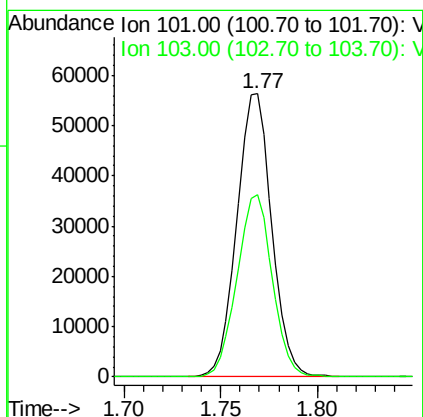
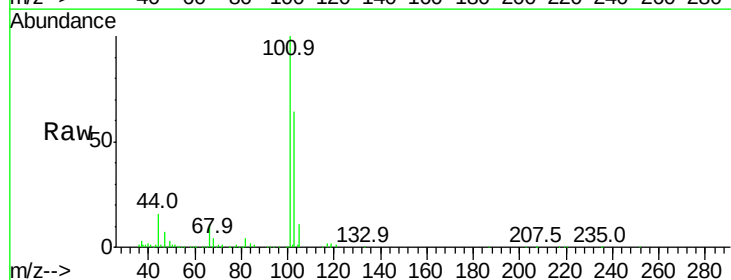
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

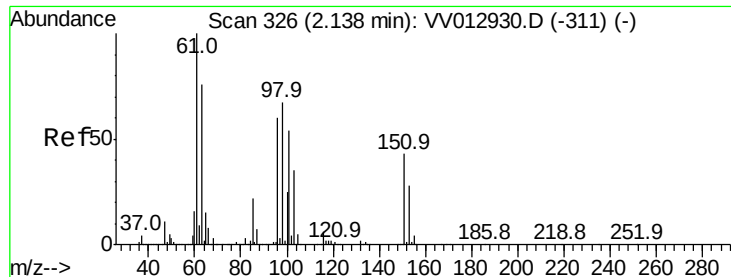
Tgt Ion: 64 Resp: 32604
Ion Ratio Lower Upper
64 100
66 30.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 4.908 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 101 Resp: 70602
Ion Ratio Lower Upper
101 100
103 65.2 45.1 83.9





#11

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

Concen: 5.079 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

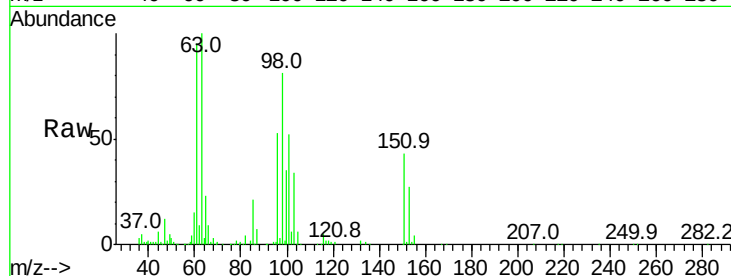
Tgt Ion: 101 Resp: 46025

Ion Ratio Lower Upper

101 100

85 41.1 32.6 49.0

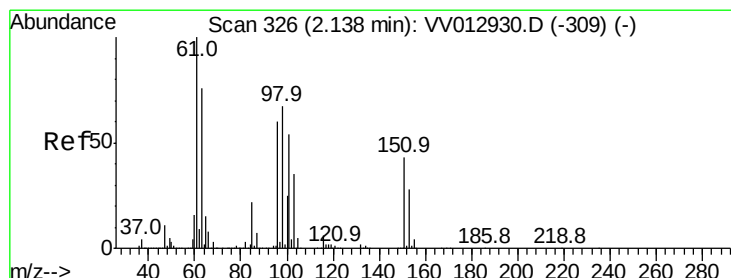
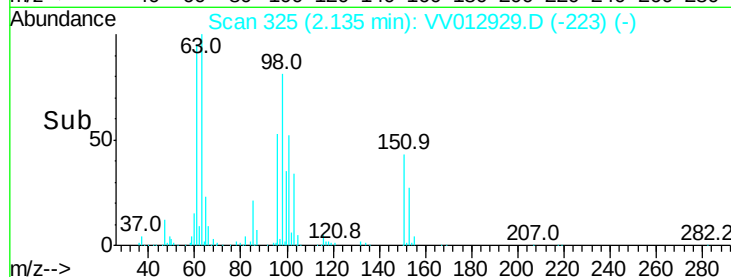
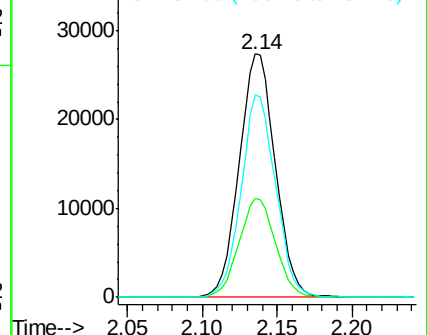
151 79.4 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.863 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

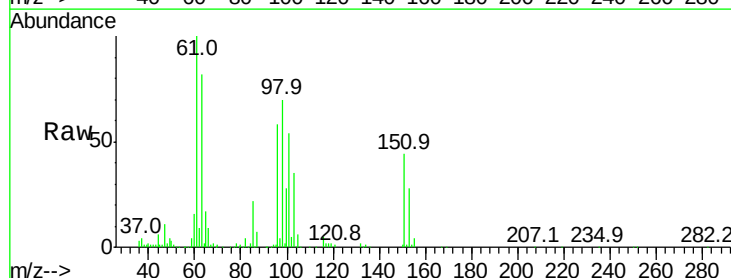
Tgt Ion: 96 Resp: 41579

Ion Ratio Lower Upper

96 100

61 171.2 117.2 217.8

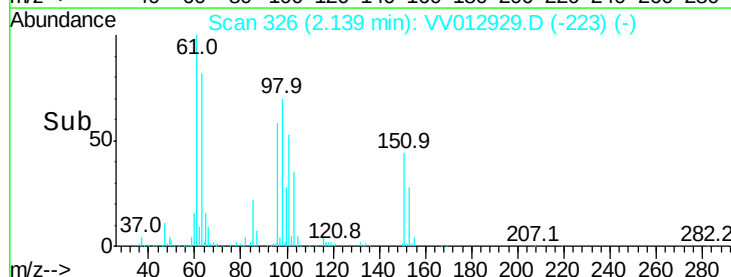
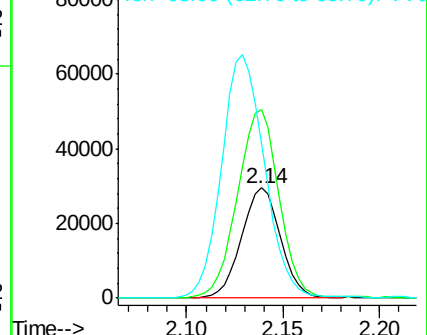
63 140.1 89.6 166.4

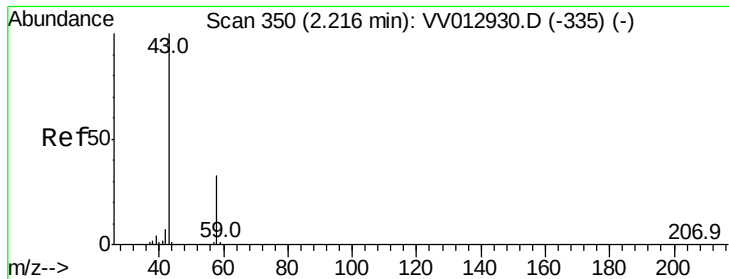


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.471 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampled :

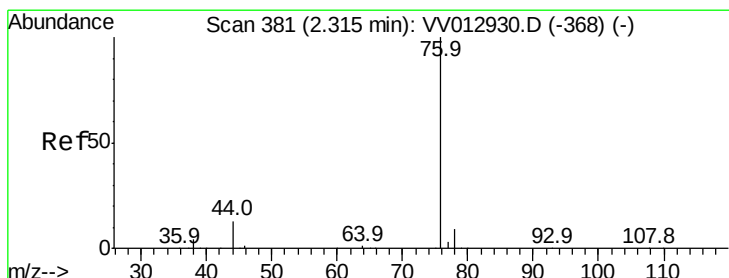
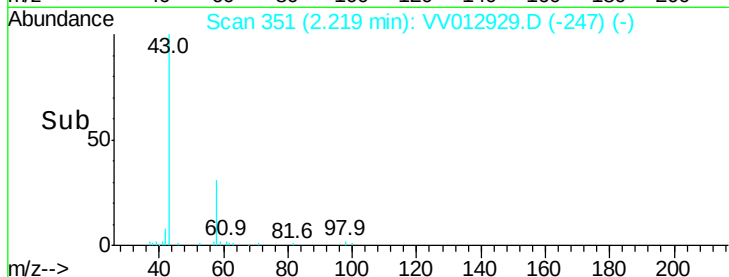
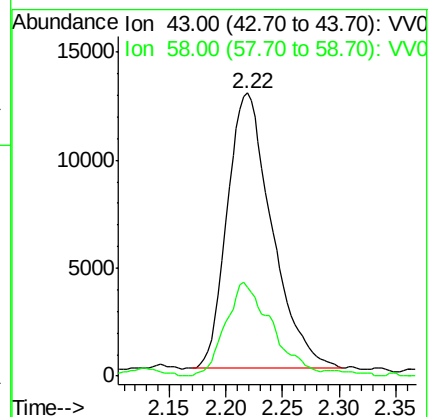
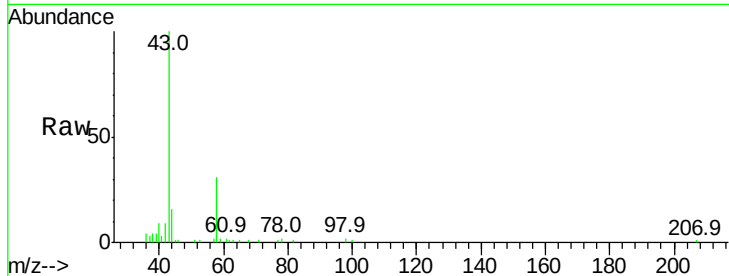
VSTD00562

Tgt Ion: 43 Resp: 35141

Ion Ratio Lower Upper

43 100

58 35.0 0.0 65.0



#14

Carbon disulfide

Concen: 4.685 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012929.D

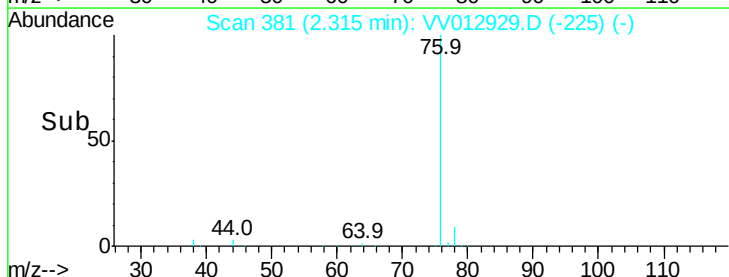
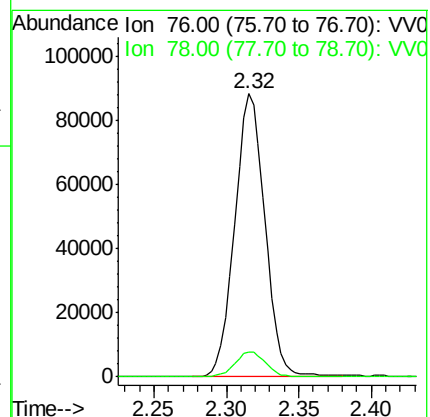
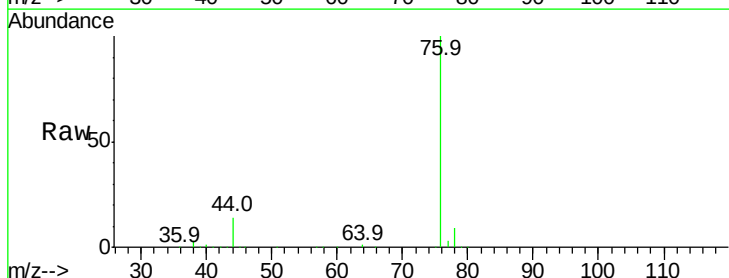
Acq: 23 Sep 2019 10:32

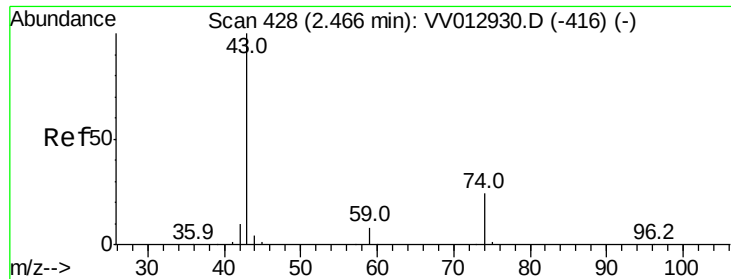
Tgt Ion: 76 Resp: 127486

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

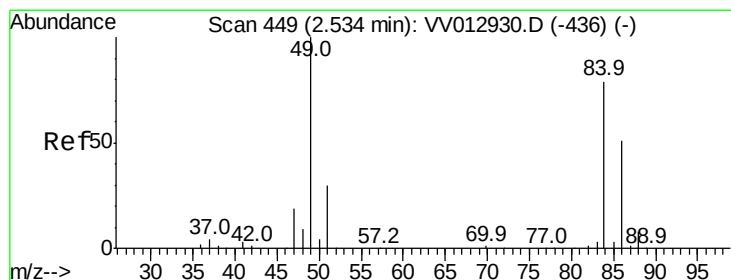
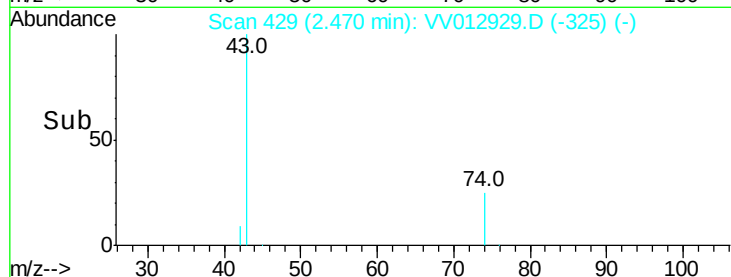
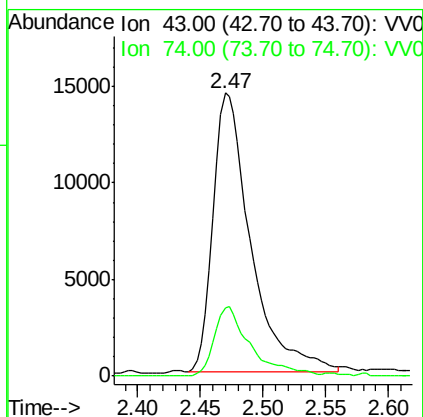
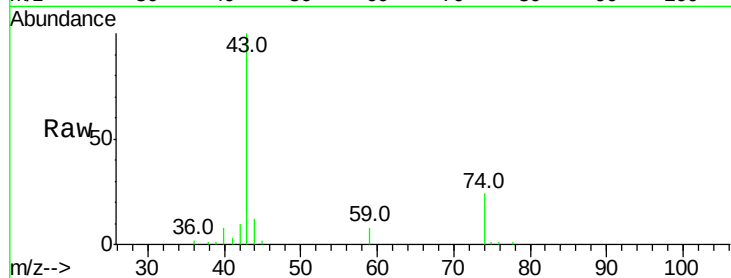




#15
Methyl Acetate
Concen: 4.818 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

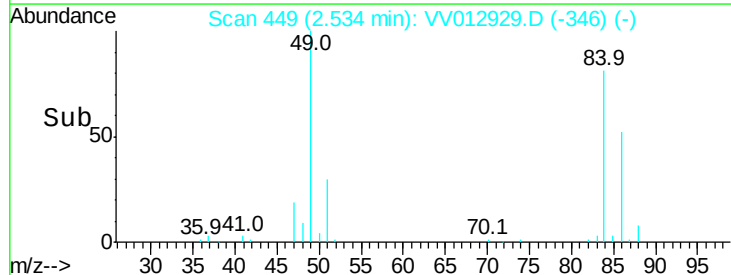
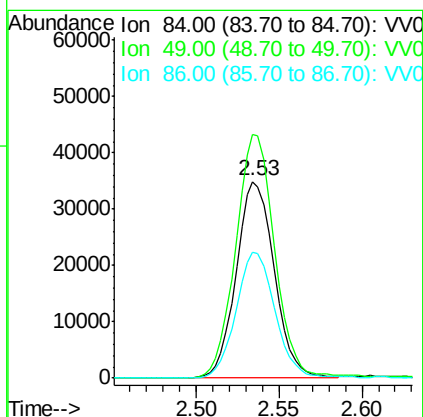
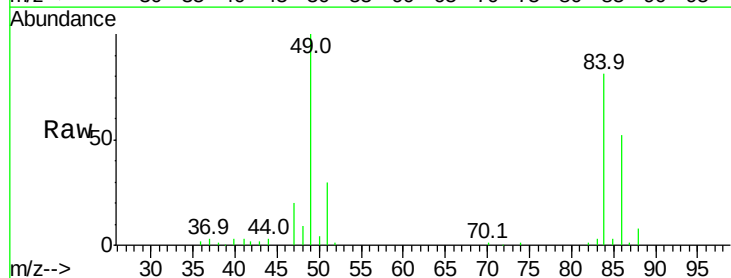
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

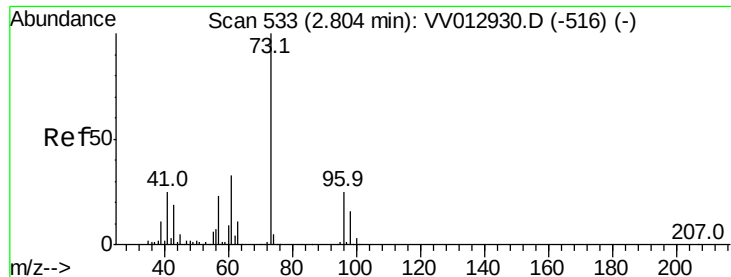
Tgt Ion: 43 Resp: 30198
Ion Ratio Lower Upper
43 100
74 23.9 18.8 28.2



#16
Methylene chloride
Concen: 3.264 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 84 Resp: 55931
Ion Ratio Lower Upper
84 100
49 124.0 88.3 164.1
86 64.0 44.9 83.3

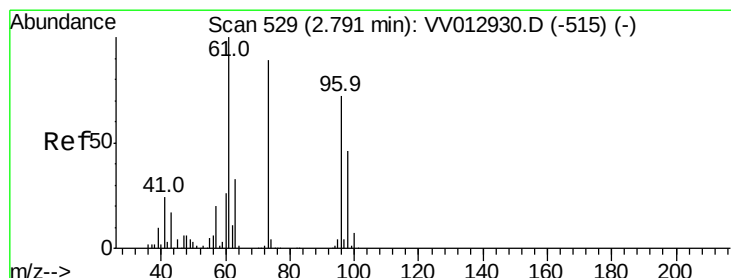
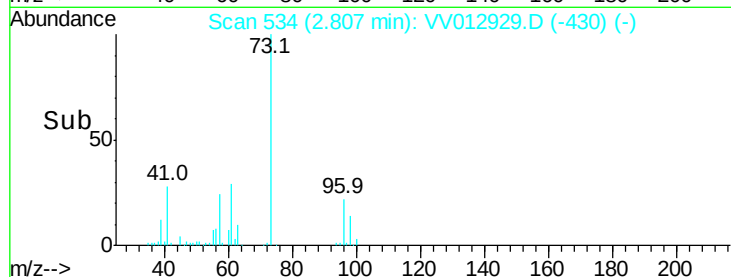
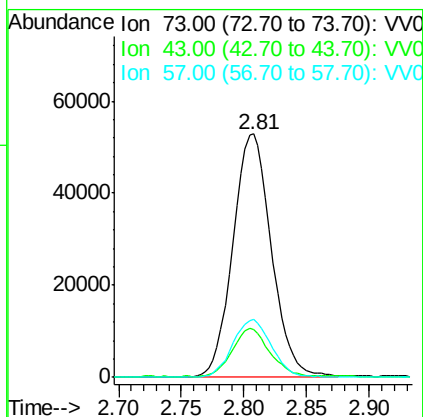
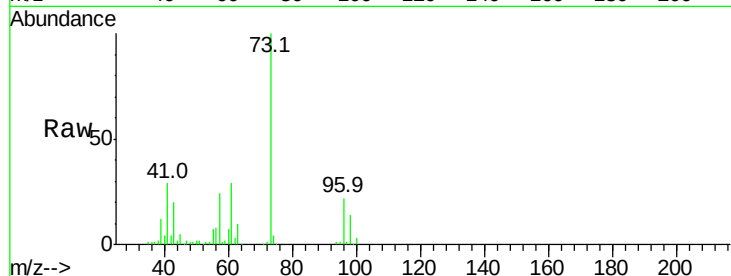




#17
Methyl tert-butyl Ether
Concen: 4.842 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

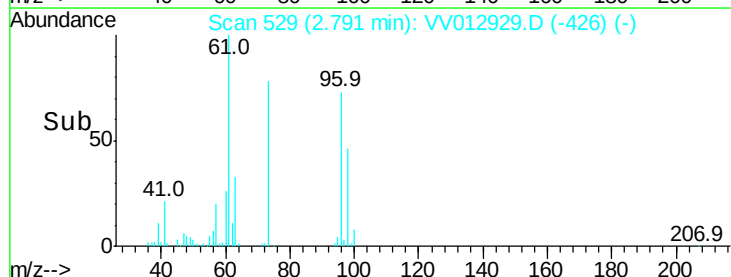
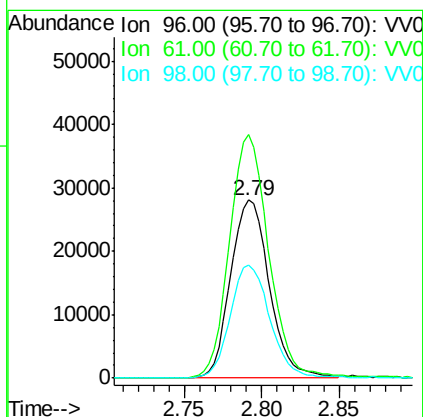
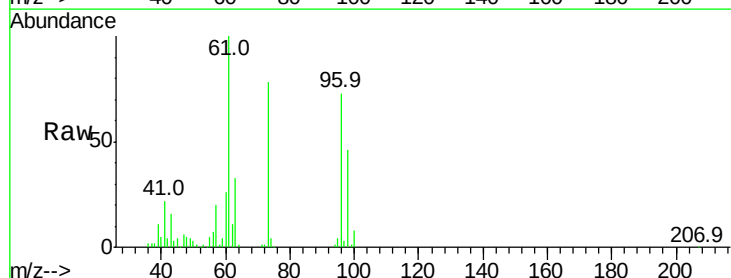
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

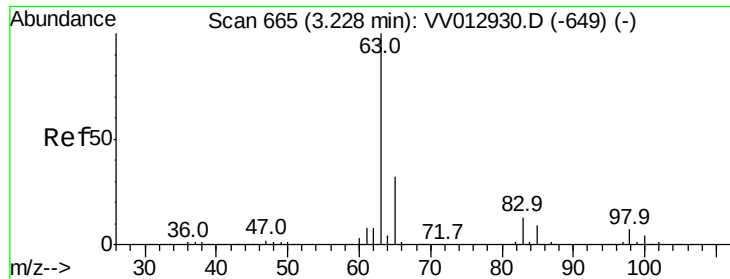
Tgt Ion: 73 Resp: 112995
Ion Ratio Lower Upper
73 100
43 19.3 15.0 22.6
57 23.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.913 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 96 Resp: 49000
Ion Ratio Lower Upper
96 100
61 136.8 96.8 179.8
98 63.6 44.8 83.2

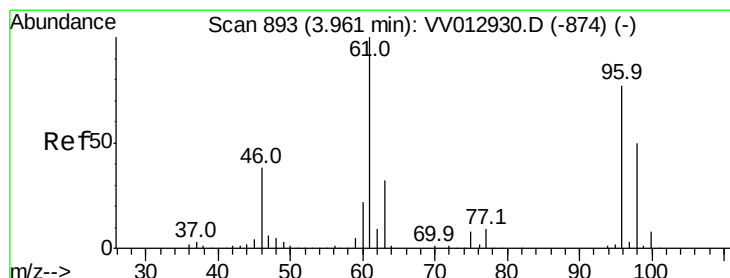
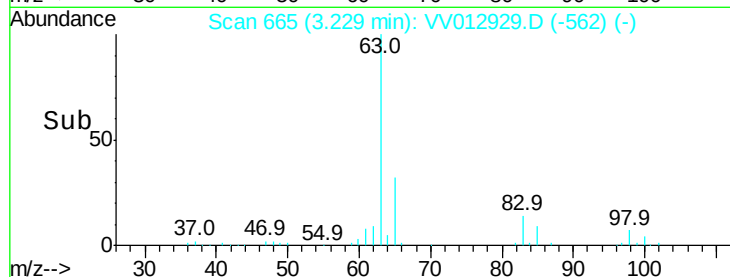
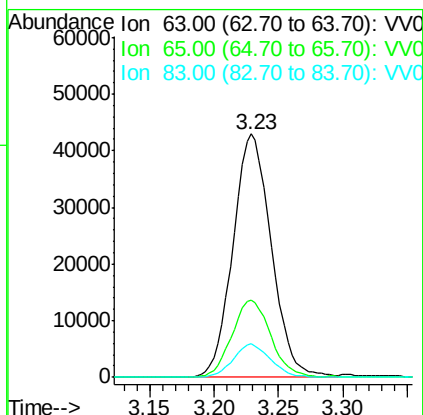
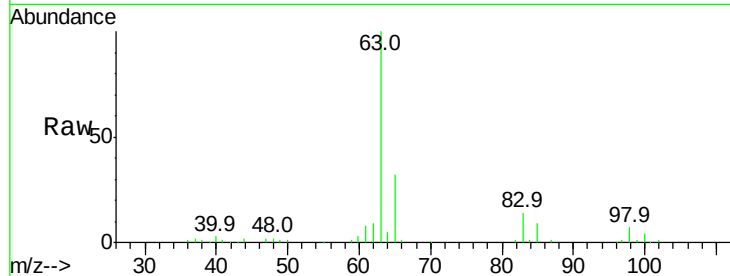




#19
 1,1-Dichloroethane
 Concen: 4.953 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

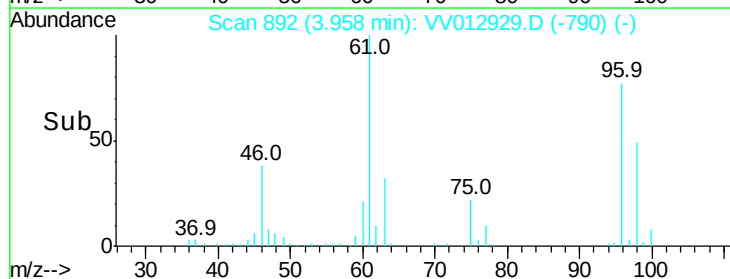
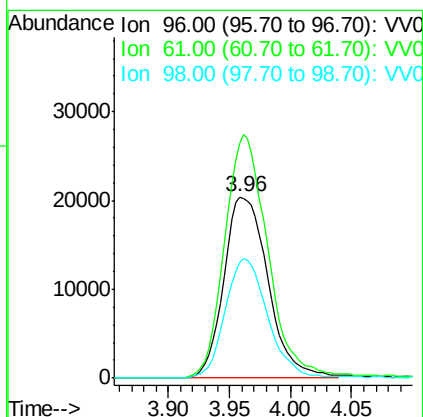
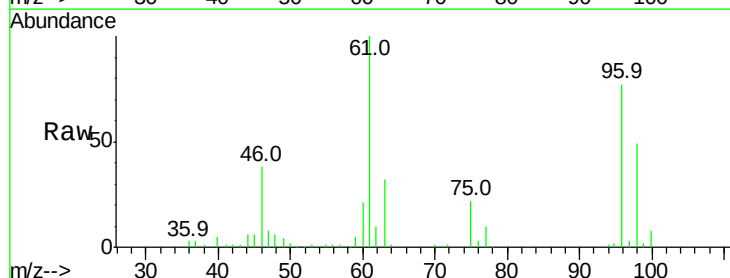
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

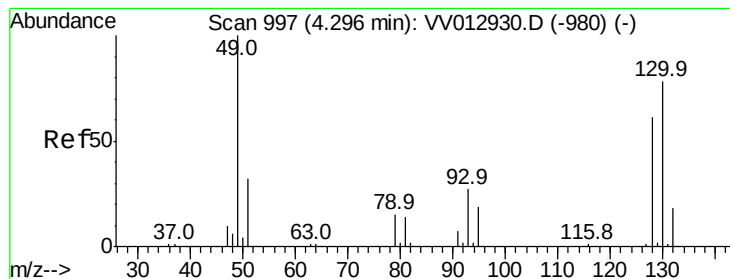
Tgt Ion: 63 Resp: 89003
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 13.6 9.2 17.0



#22
 cis-1,2-Dichloroethene
 Concen: 4.876 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 96 Resp: 51499
 Ion Ratio Lower Upper
 96 100
 61 129.7 90.9 168.7
 98 64.1 45.6 84.6





#23

Bromochloromethane

Concen: 5.200 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:128 Resp: 25863

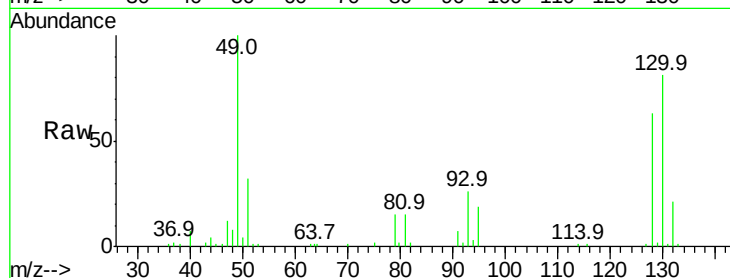
Ion Ratio Lower Upper

128 100

49 159.5 114.4 212.6

130 129.5 88.5 164.4

51 51.7 41.4 62.2



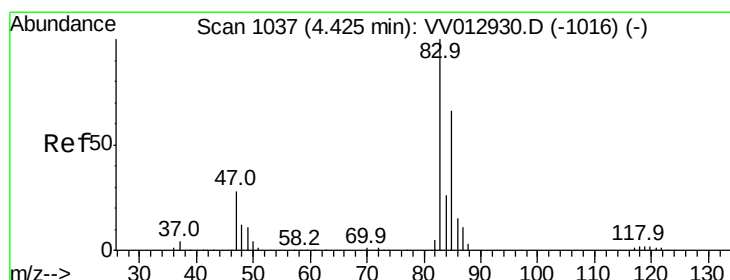
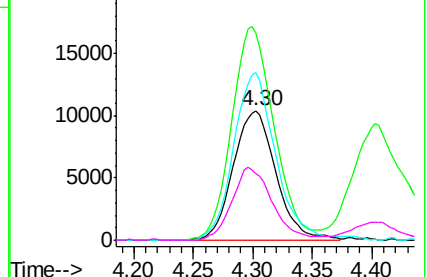
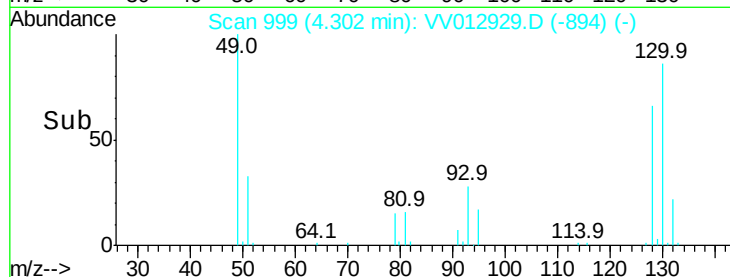
Abundance Ion 128.00 (127.70 to 128.70): V

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

Time-->



#25

Chloroform

Concen: 5.171 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012929.D

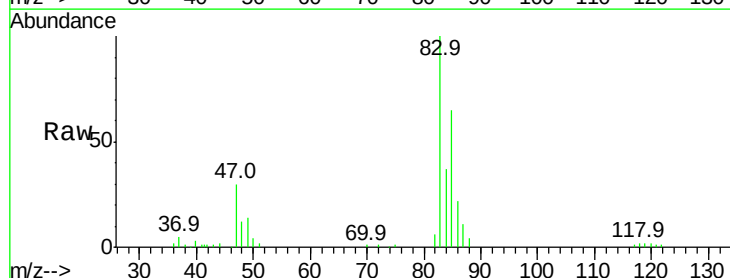
Acq: 23 Sep 2019 10:32

Tgt Ion: 83 Resp: 93829

Ion Ratio Lower Upper

83 100

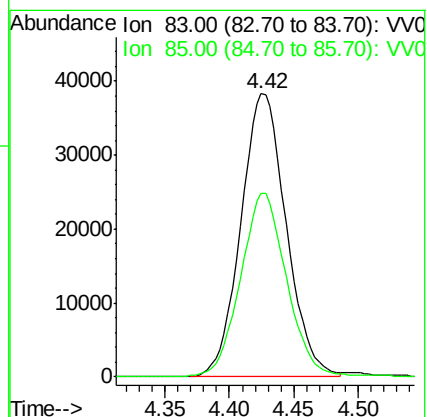
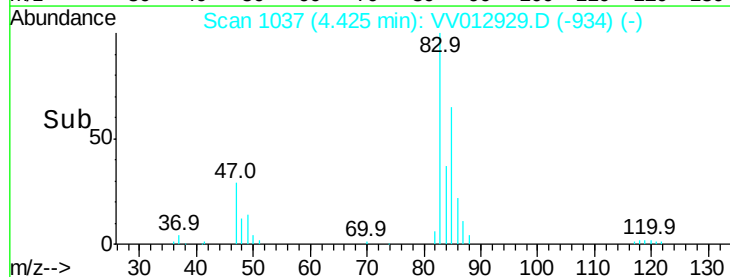
85 65.9 45.8 85.0

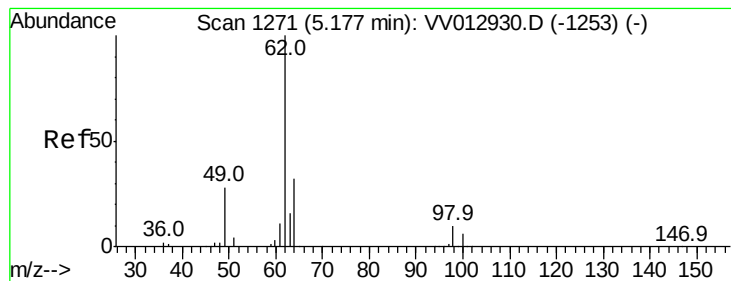


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Time-->





#27

1,2-Dichloroethane

Concen: 5.165 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

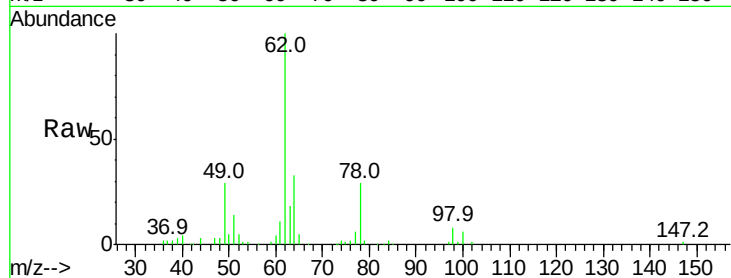
VSTD00562

Tgt Ion: 62 Resp: 65355

Ion Ratio Lower Upper

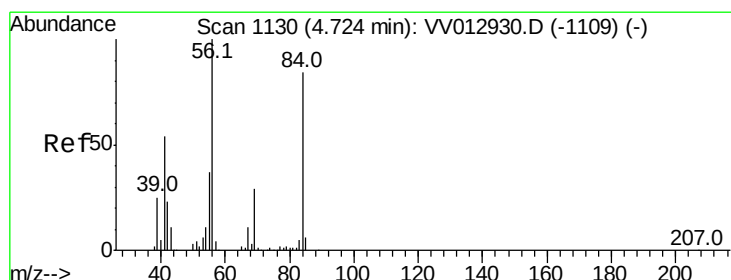
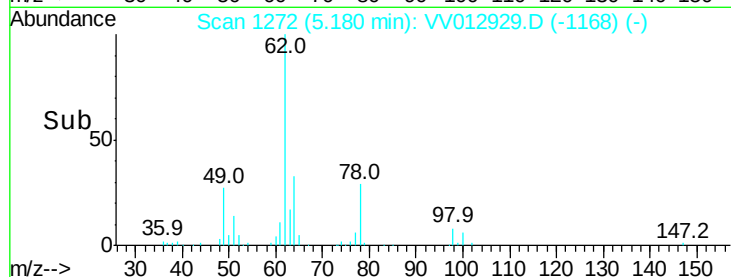
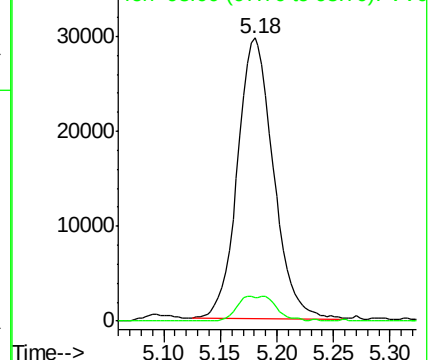
62 100

98 8.3 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#30

Cyclohexane

Concen: 4.087 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

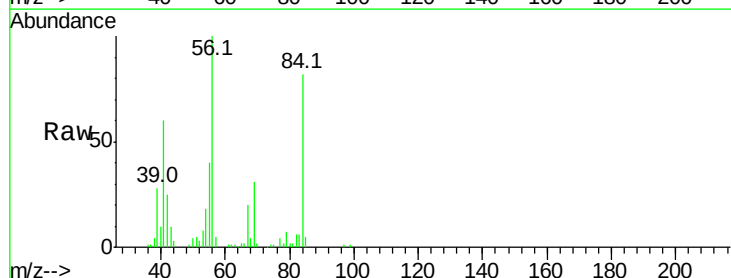
Tgt Ion: 56 Resp: 71623

Ion Ratio Lower Upper

56 100

69 30.2 23.8 35.8

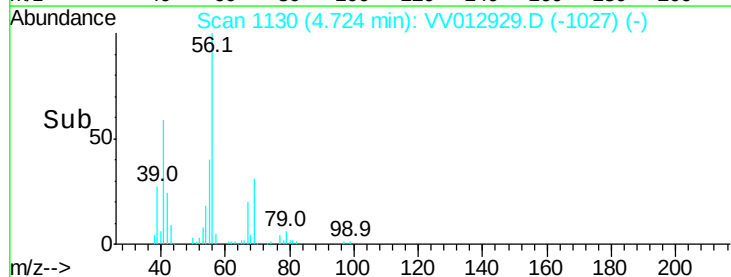
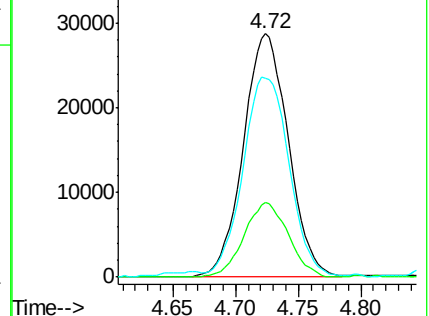
84 84.0 68.4 102.6

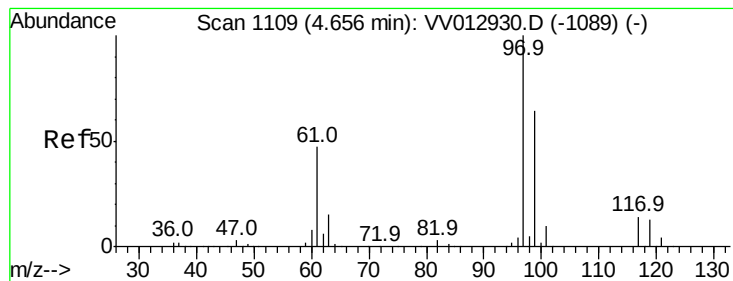


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#31

1,1,1-Trichloroethane

Concen: 4.738 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

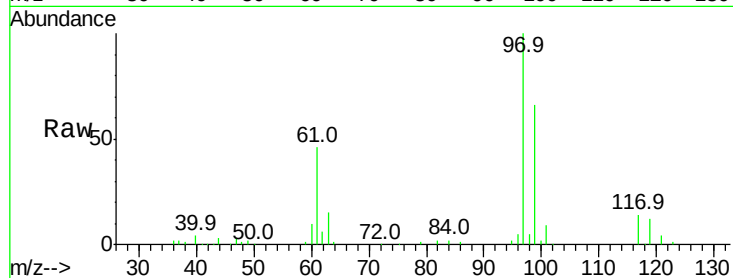
Tgt Ion: 97 Resp: 72569

Ion Ratio Lower Upper

97 100

99 65.4 51.7 77.5

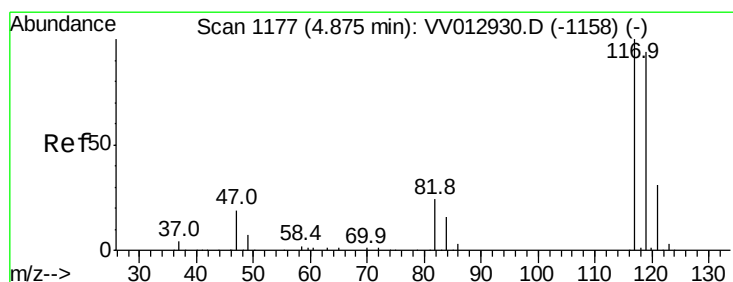
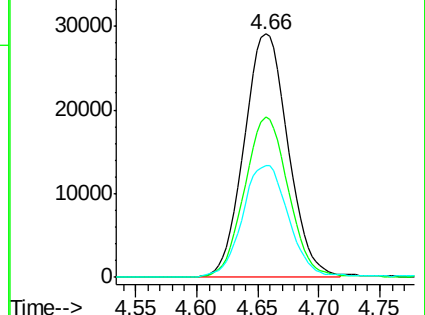
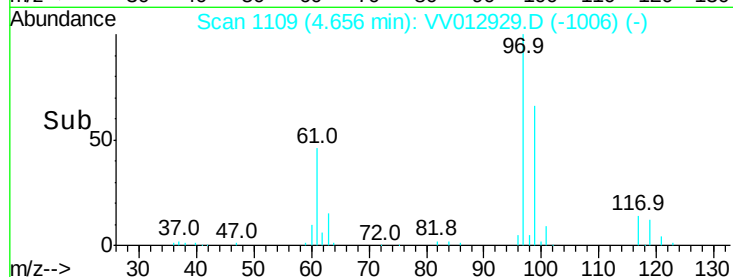
61 47.7 37.8 56.8



Abundance Ion 97.00 (96.70 to 97.70): VV012929.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV012929.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV012929.D (-1006) (-)



#32

Carbon tetrachloride

Concen: 4.801 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012929.D

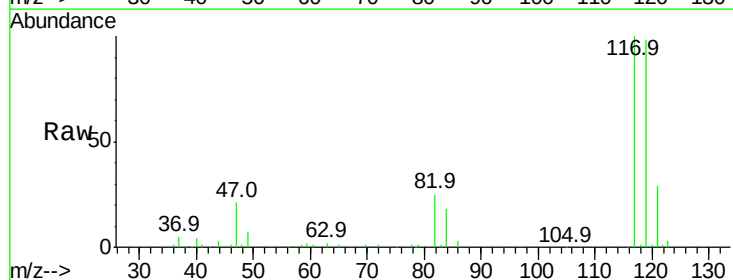
Acq: 23 Sep 2019 10:32

Tgt Ion: 117 Resp: 65770

Ion Ratio Lower Upper

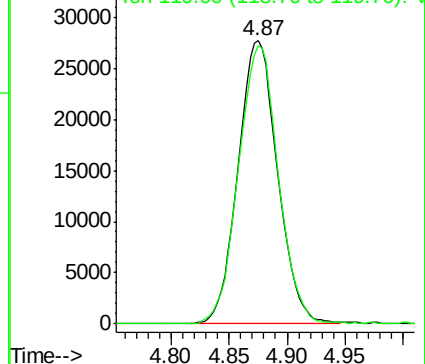
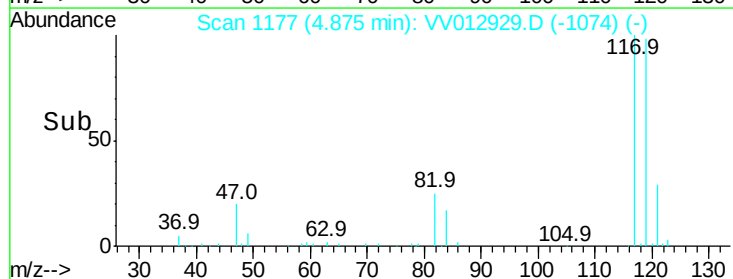
117 100

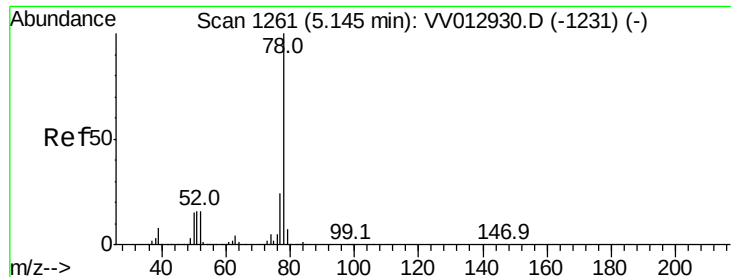
119 99.2 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): VV012929.D (-1074) (-)

Ion 119.00 (118.70 to 119.70): VV012929.D (-1074) (-)





#34

Benzene

Concen: 4.746 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

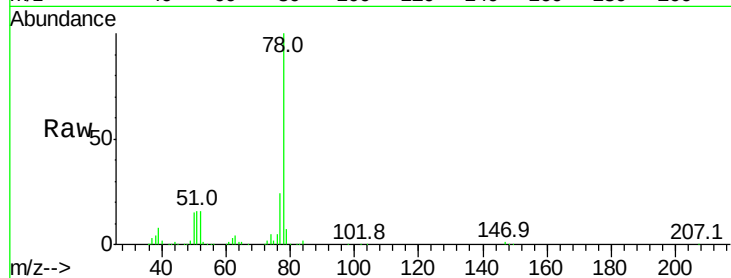
Instrument :

MSVOA_V

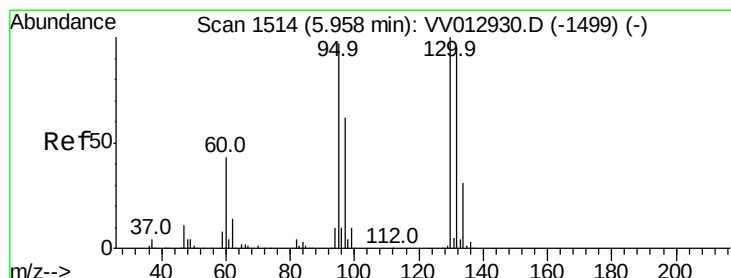
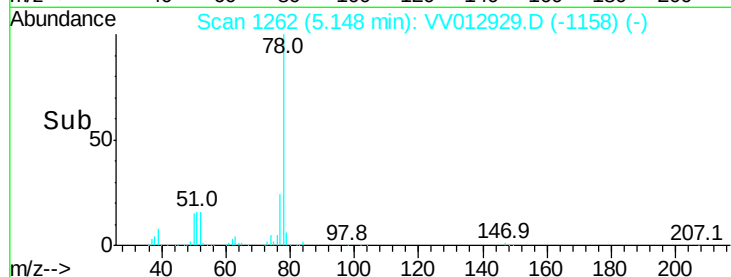
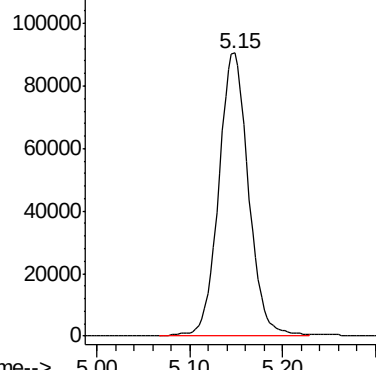
ClientSampleId :

VSTD00562

Tgt Ion: 78 Resp: 202239



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 5.103 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 95 Resp: 59131

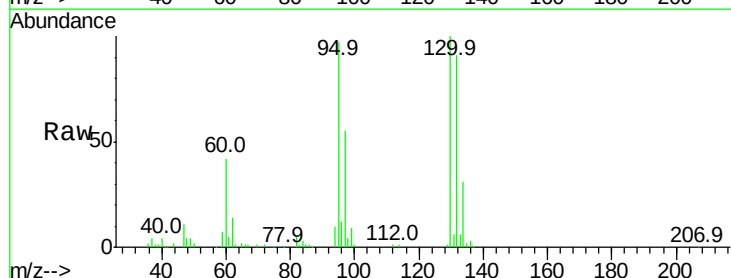
Ion	Ratio	Lower	Upper
95	100		
97	60.5	44.7	82.9
132	97.3	70.1	130.1
130	101.7	73.3	136.1

Abundance Ion 95.00 (94.70 to 95.70): VV0

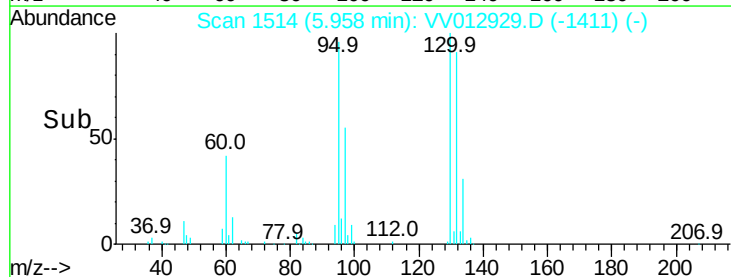
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0



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

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

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

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

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

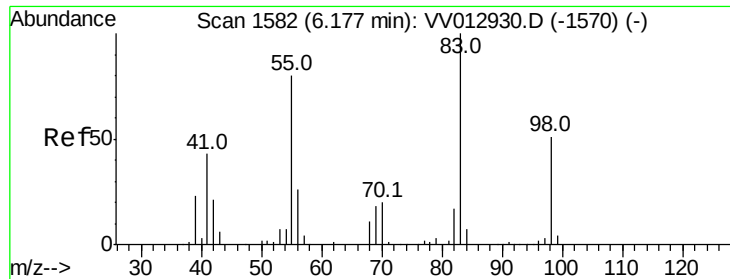
Ion 130.00 (129.70 to 130.70): VV0

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

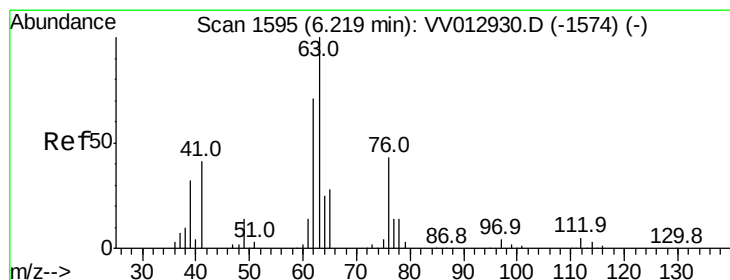
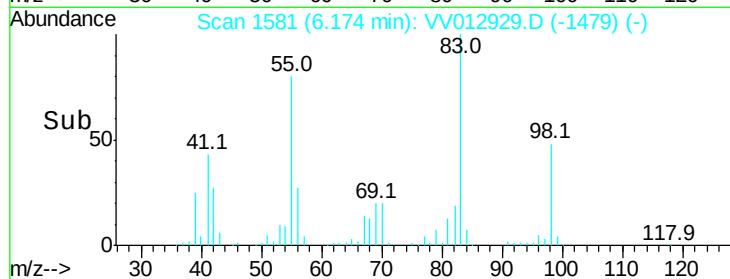
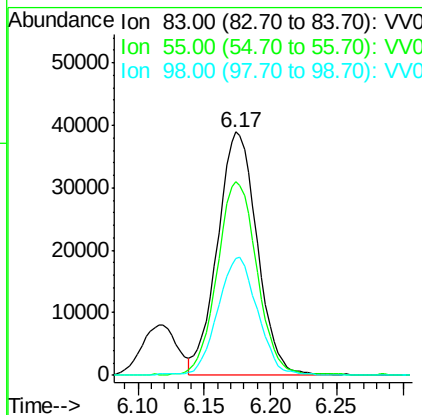
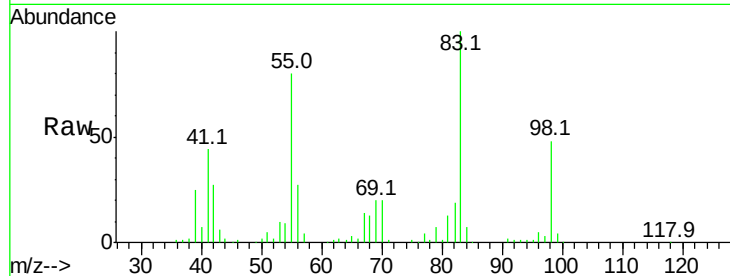
Ion 130.00 (129.70 to 130.70): VV0



#36
Methylcyclohexane
Concen: 4.305 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

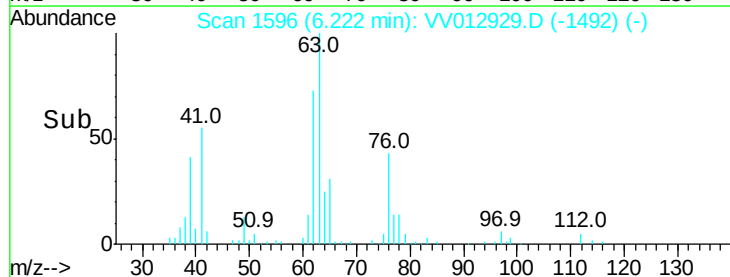
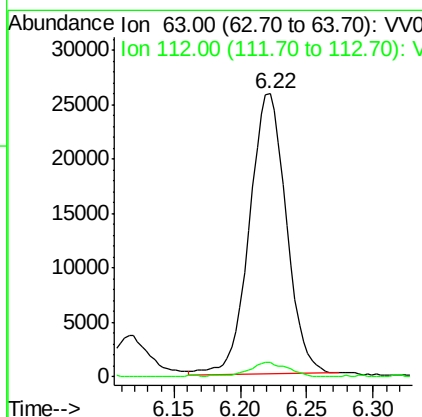
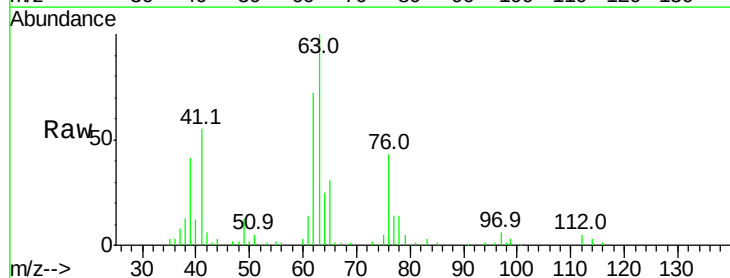
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

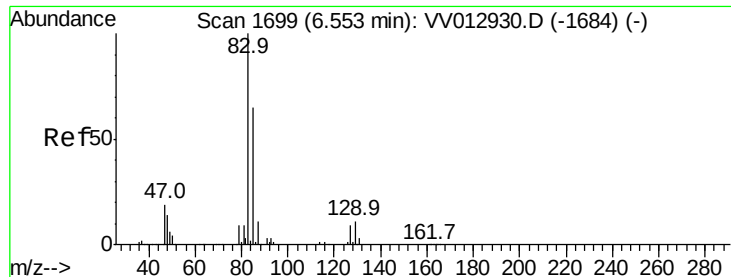
Tgt Ion: 83 Resp: 81257
Ion Ratio Lower Upper
83 100
55 79.0 61.8 92.8
98 48.3 39.3 58.9



#40
1,2-Dichloropropane
Concen: 4.703 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 63 Resp: 49999
Ion Ratio Lower Upper
63 100
112 3.1 3.8 5.6#





#41

Bromodichloromethane

Concen: 4.870 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

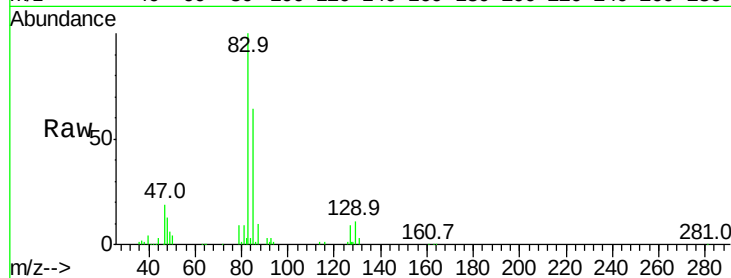
Tgt Ion: 83 Resp: 65518

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

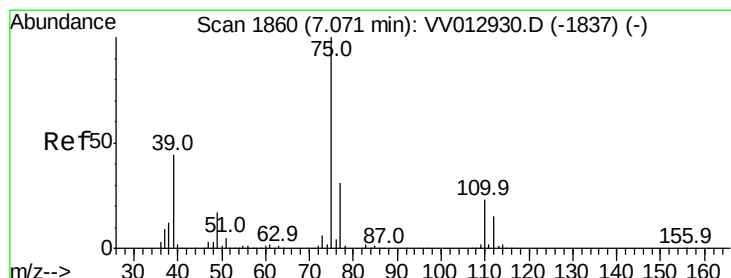
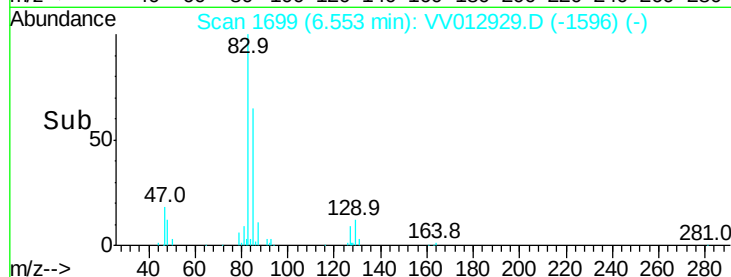
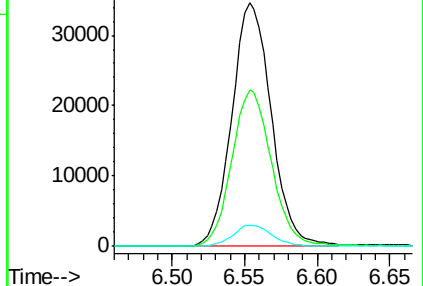
127 9.6 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV012929.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV012929.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV012929.D (-1596) (-)



#42

cis-1,3-Dichloropropene

Concen: 4.392 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV012929.D

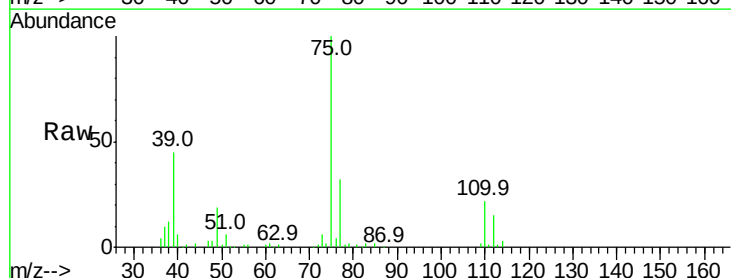
Acq: 23 Sep 2019 10:32

Tgt Ion: 75 Resp: 69487

Ion Ratio Lower Upper

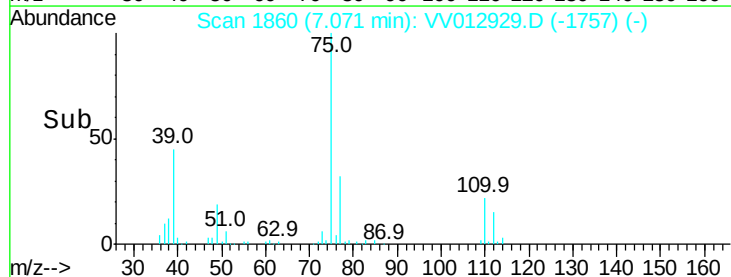
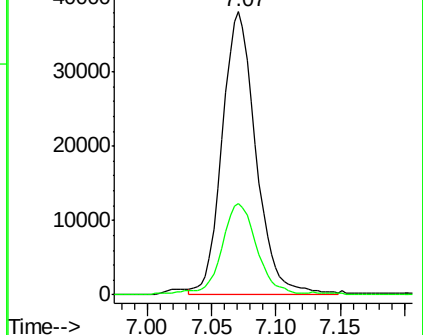
75 100

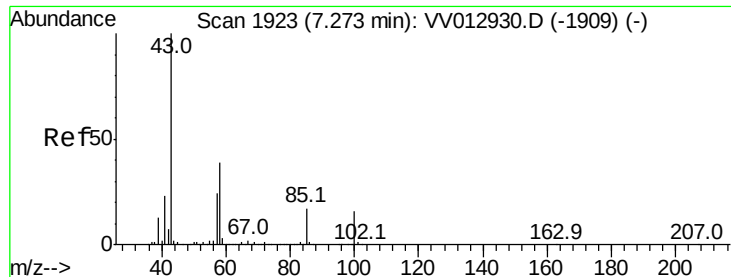
77 32.1 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV012929.D (-1757) (-)

Ion 77.00 (76.70 to 77.70): VV012929.D (-1757) (-)

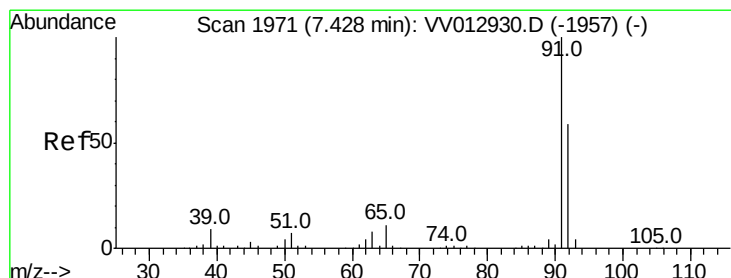
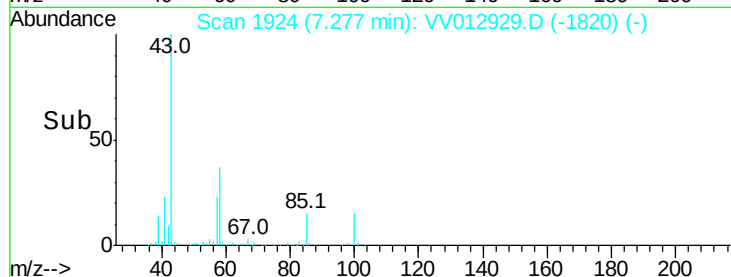
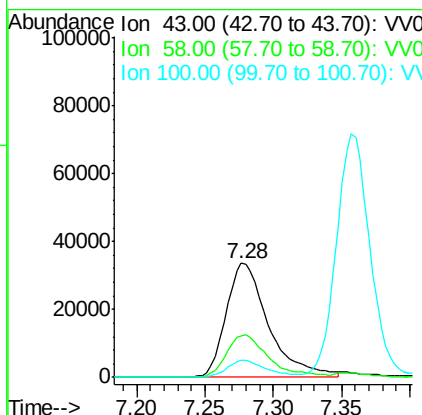
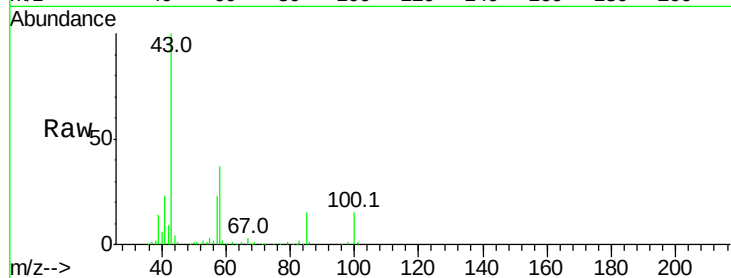




#43
4-Methyl-2-pentanone
Concen: 8.331 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

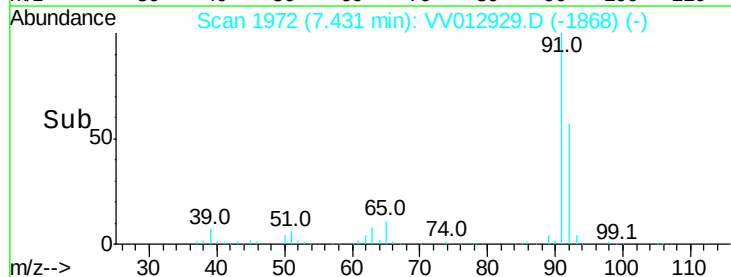
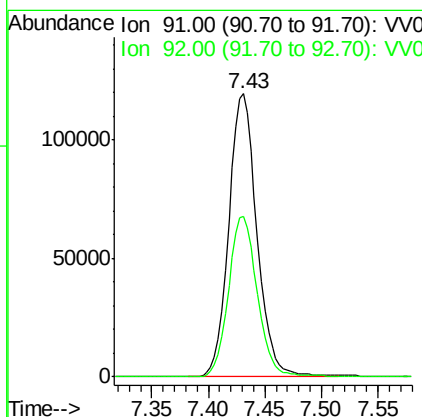
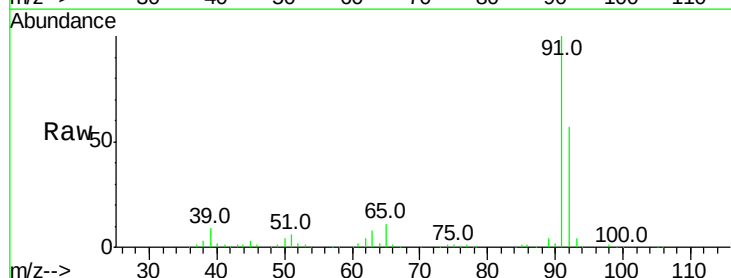
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

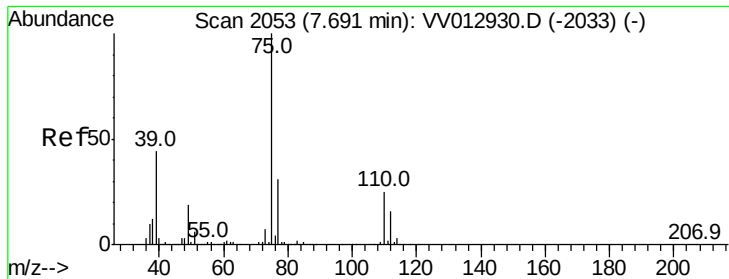
Tgt Ion: 43 Resp: 72322
Ion Ratio Lower Upper
43 100
58 37.3 31.2 46.8
100 14.4 12.2 18.2



#44
Toluene
Concen: 4.597 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012929.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 91 Resp: 207091
Ion Ratio Lower Upper
91 100
92 56.8 41.3 76.7





#45

trans-1,3-Dichloropropene

Concen: 4.547 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

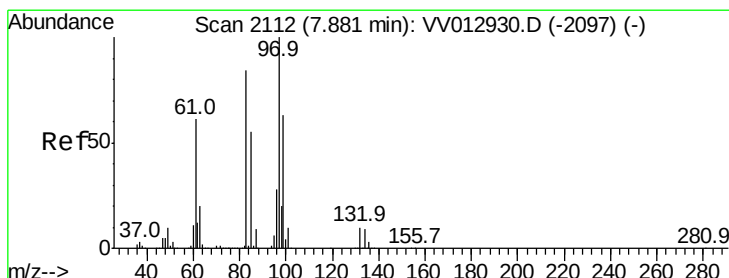
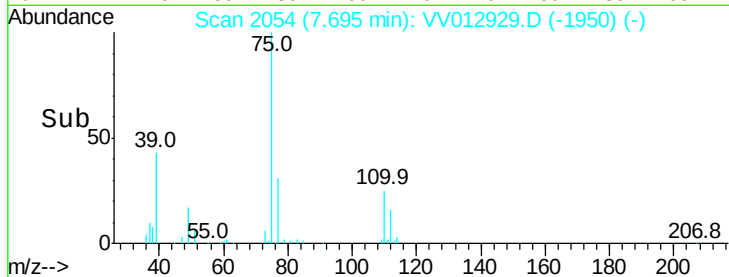
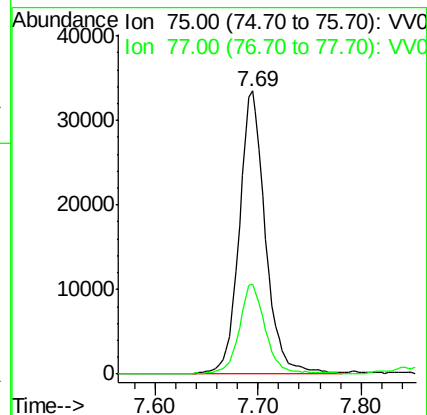
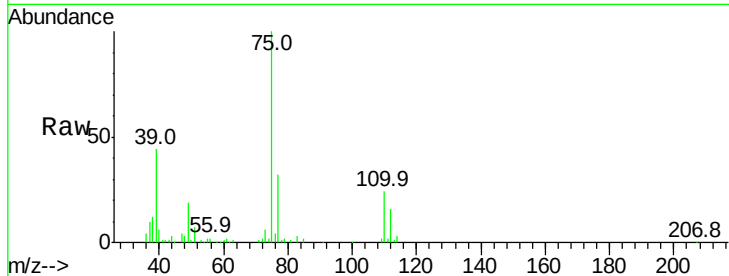
VSTD00562

Tgt Ion: 75 Resp: 59206

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



#46

1,1,2-Trichloroethane

Concen: 5.047 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 97 Resp: 44139

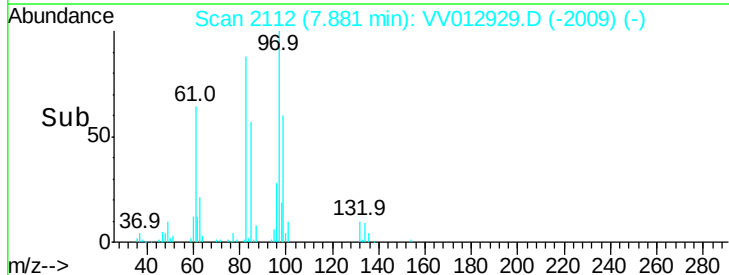
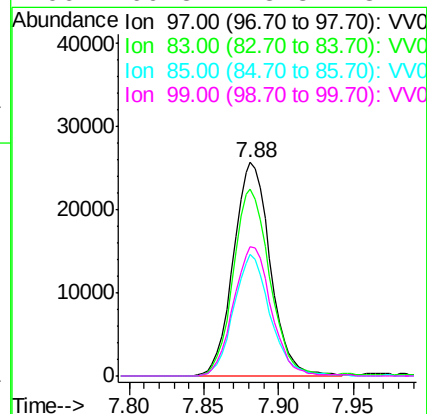
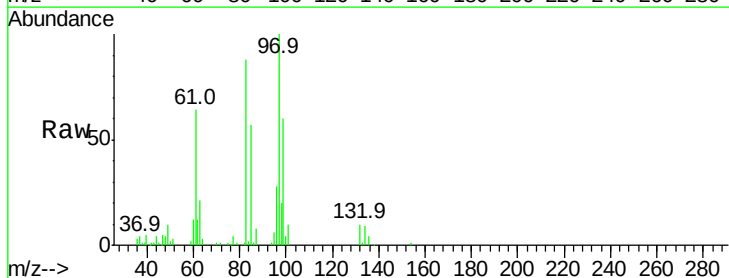
Ion Ratio Lower Upper

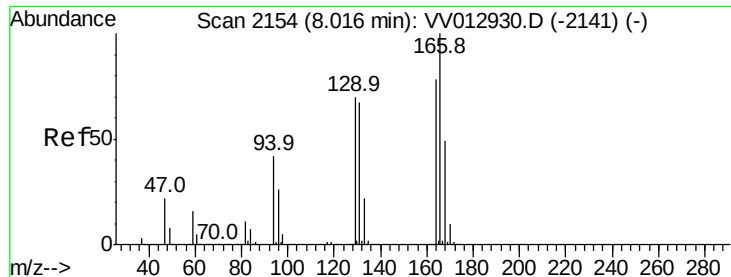
97 100

83 87.5 58.9 109.5

85 56.8 38.4 71.2

99 60.3 43.8 81.4





#47

Tetrachloroethene

Concen: 4.890 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion:164 Resp: 46257

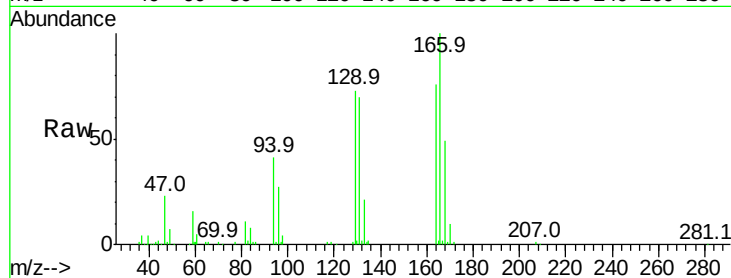
Ion Ratio Lower Upper

164 100

129 95.8 62.8 116.6

131 92.9 60.2 111.8

166 131.9 89.4 166.0

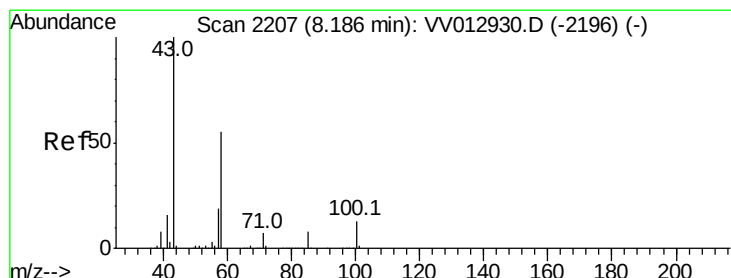
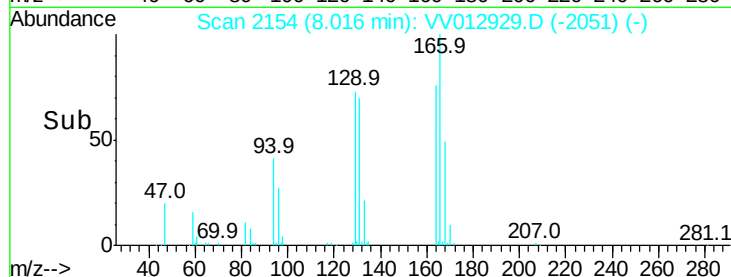
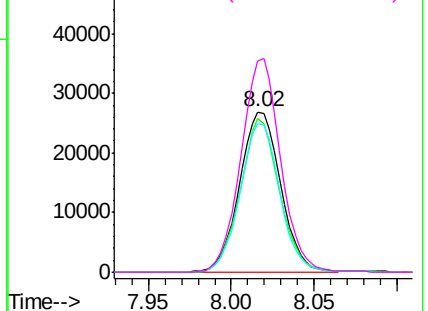


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 7.009 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 43 Resp: 49461

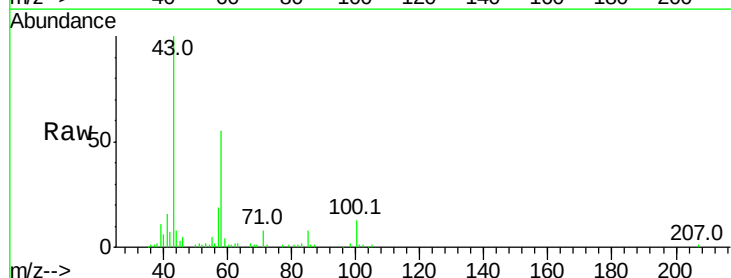
Ion Ratio Lower Upper

43 100

58 53.1 46.5 69.7

57 17.9 15.5 23.3

100 12.6 9.7 14.5

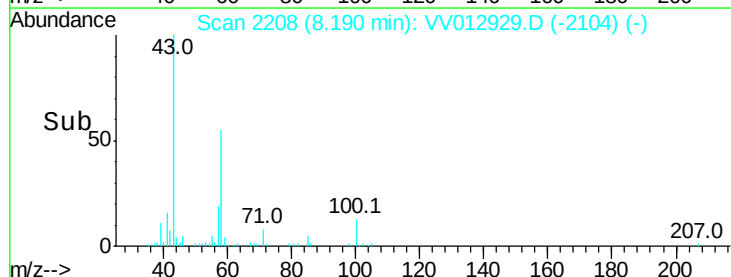
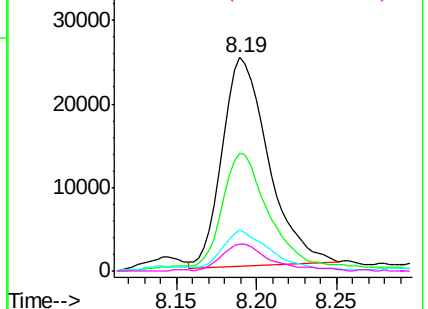


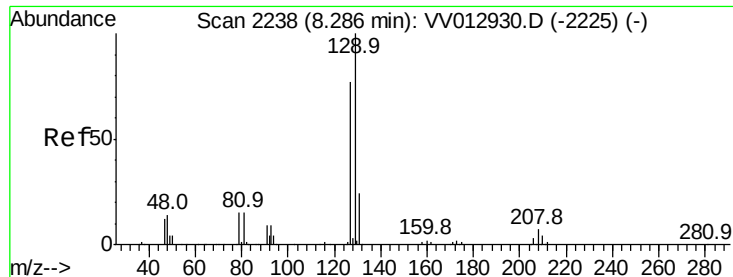
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 4.907 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

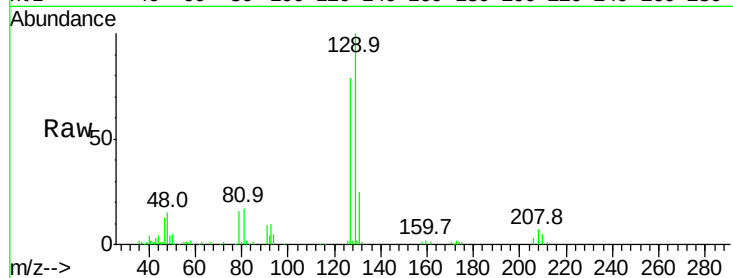
VSTD00562

Tgt Ion:129 Resp: 48662

Ion Ratio Lower Upper

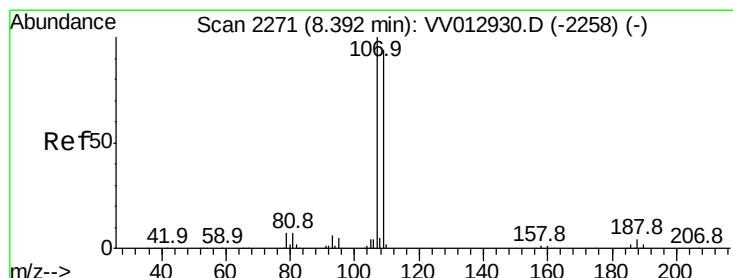
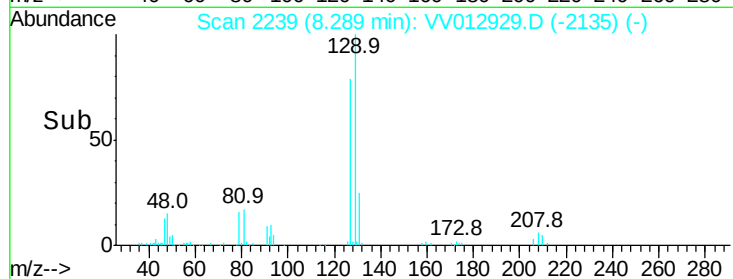
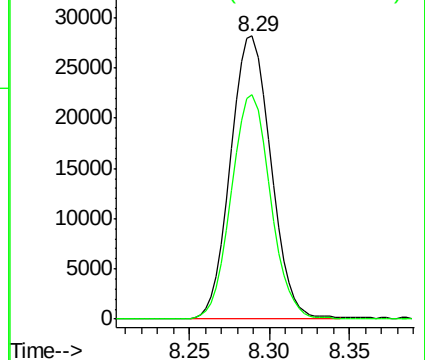
129 100

127 79.1 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 4.764 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

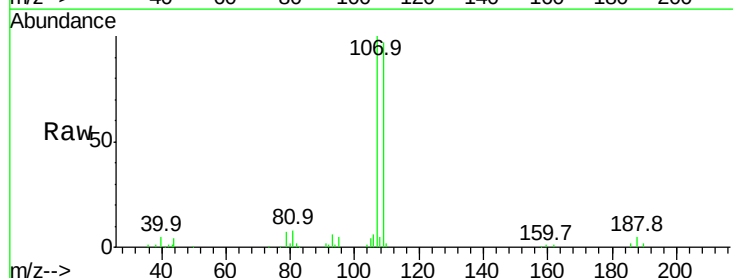
Tgt Ion:107 Resp: 41065

Ion Ratio Lower Upper

107 100

109 96.7 66.1 122.8

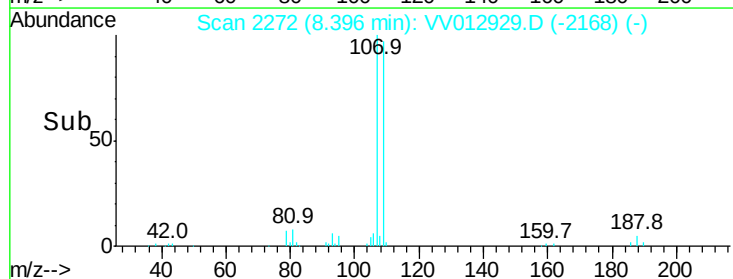
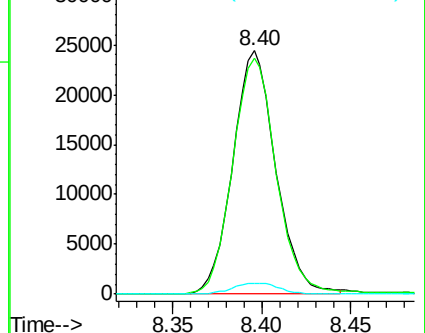
188 4.6 3.1 4.7

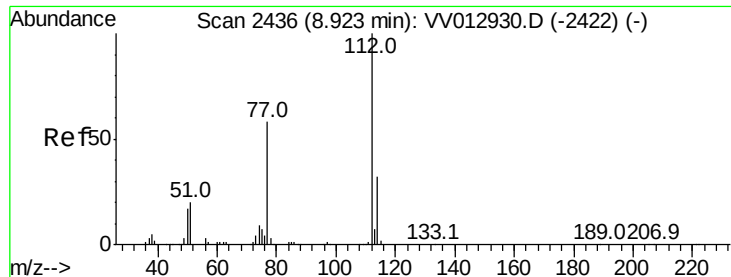


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 4.907 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

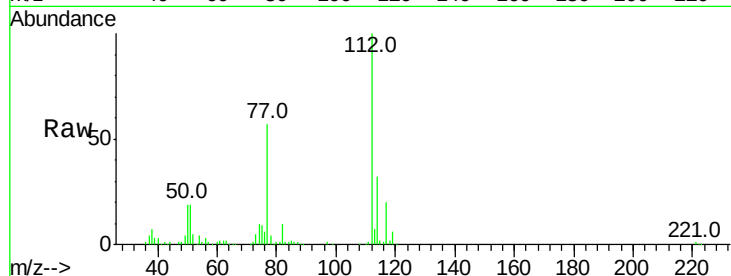
Tgt Ion: 112 Resp: 147907

Ion Ratio Lower Upper

112 100

77 57.4 46.3 69.5

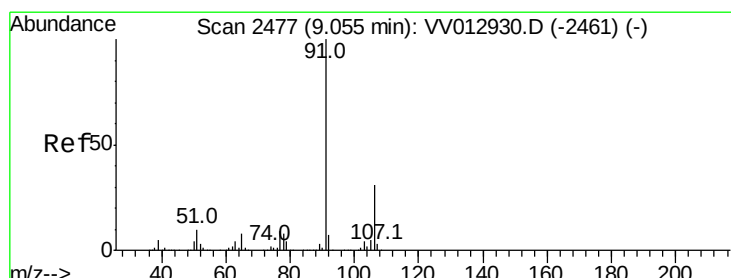
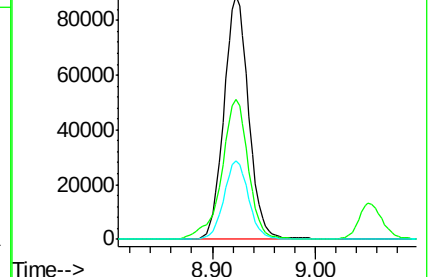
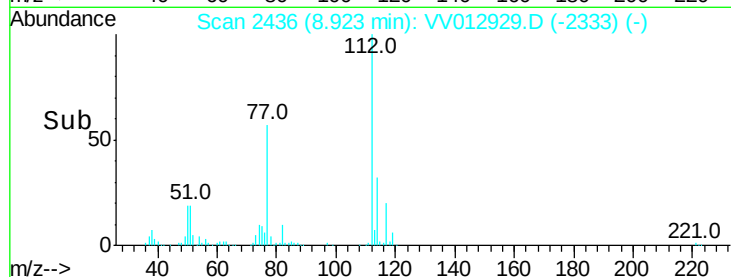
114 32.0 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.449 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012929.D

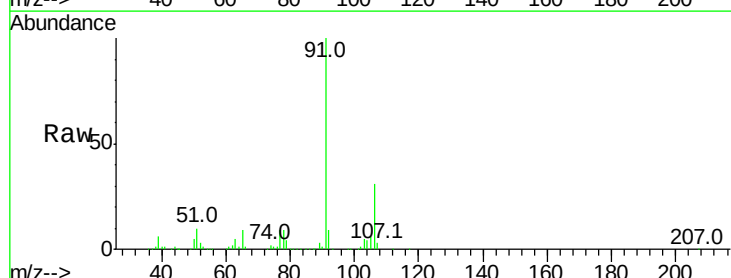
Acq: 23 Sep 2019 10:32

Tgt Ion: 91 Resp: 222328

Ion Ratio Lower Upper

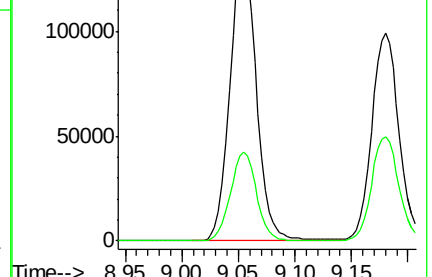
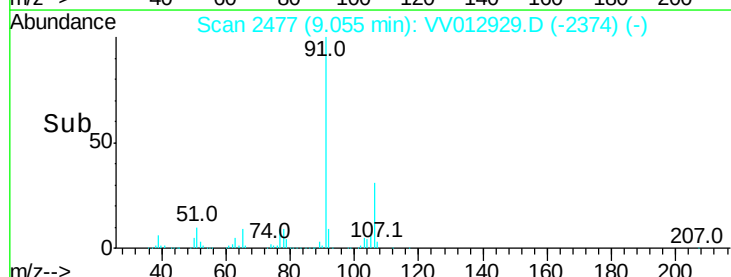
91 100

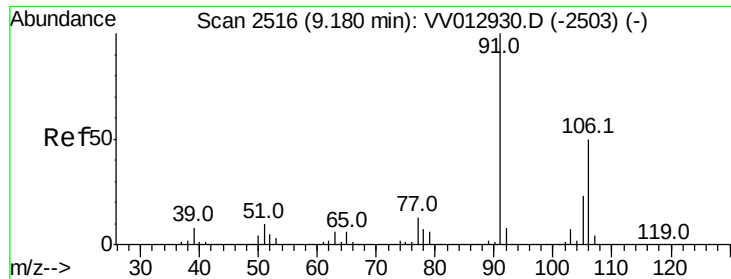
106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.385 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

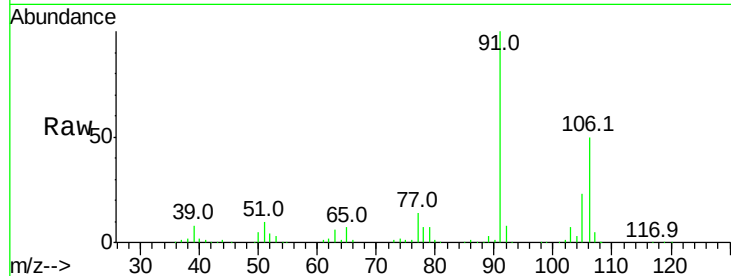
VSTD00562

Tgt Ion:106 Resp: 82869

Ion Ratio Lower Upper

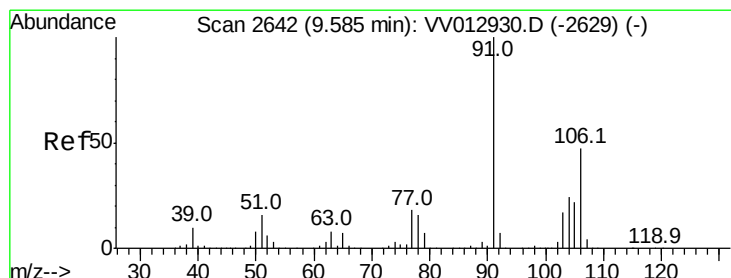
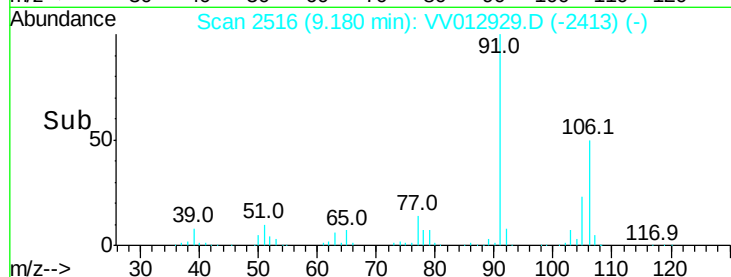
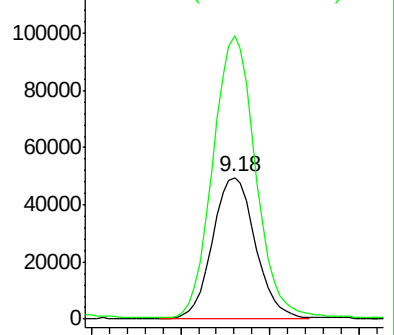
106 100

91 199.4 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 4.323 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012929.D

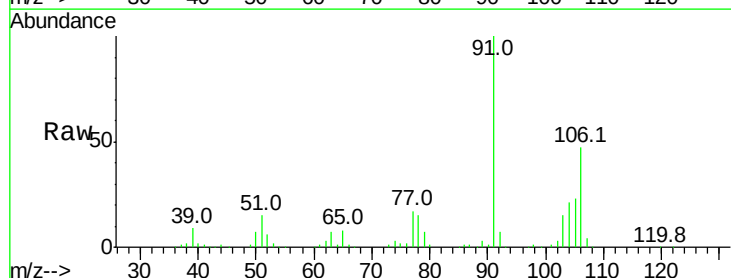
Acq: 23 Sep 2019 10:32

Tgt Ion:106 Resp: 76982

Ion Ratio Lower Upper

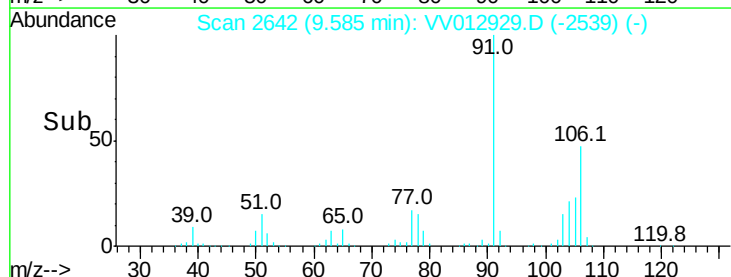
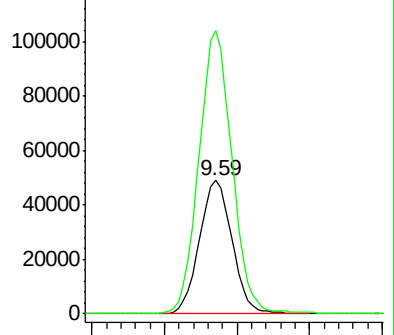
106 100

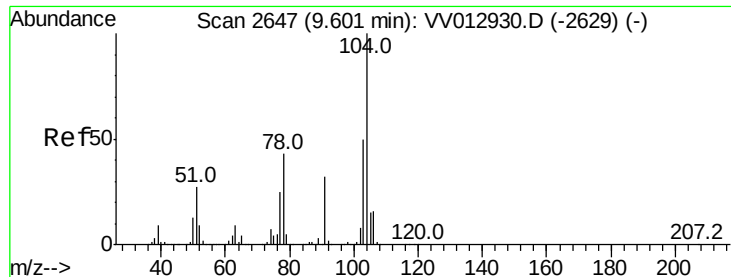
91 212.3 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 4.337 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

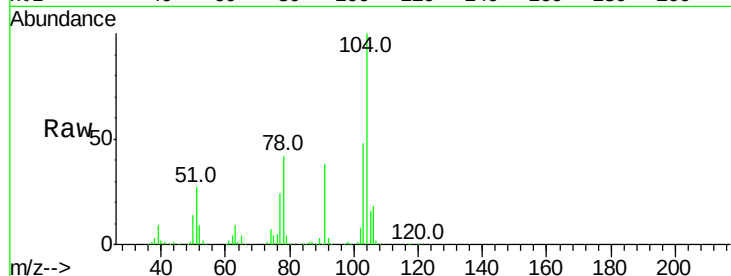
VSTD00562

Tgt Ion:104 Resp: 133868

Ion Ratio Lower Upper

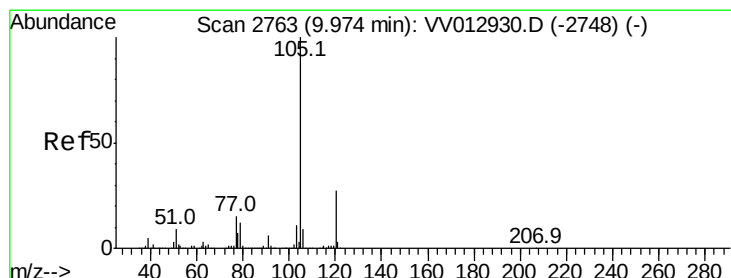
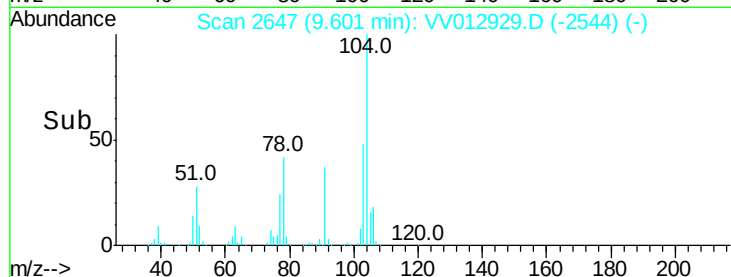
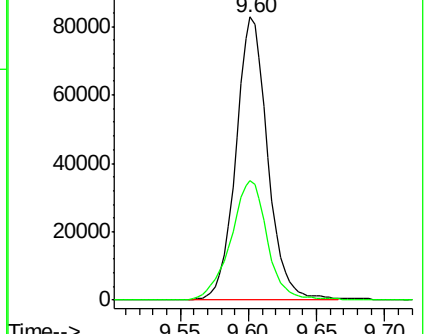
104 100

78 42.3 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 4.327 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

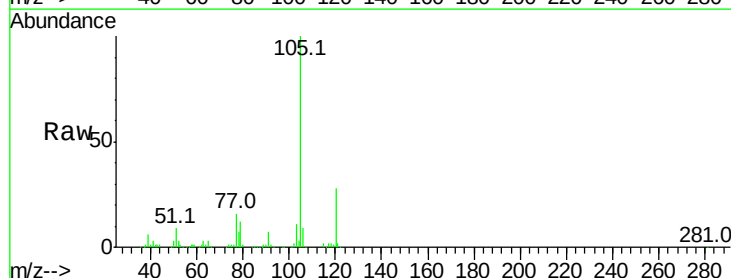
Tgt Ion:105 Resp: 205726

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.0

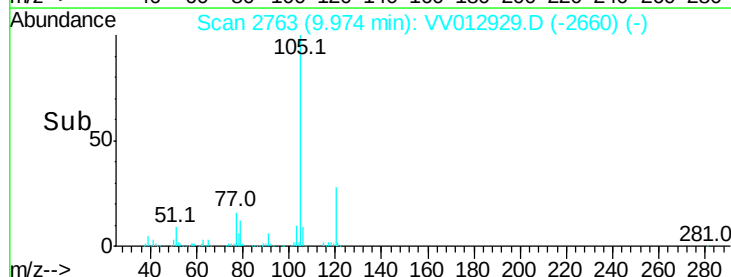
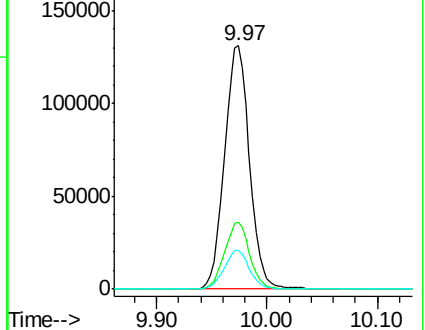
77 15.8 12.2 18.4

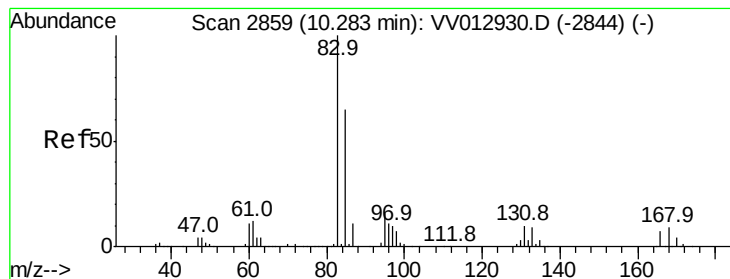


Abundance Ion 105.00 (104.70 to 105.70): V

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: 4.730 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

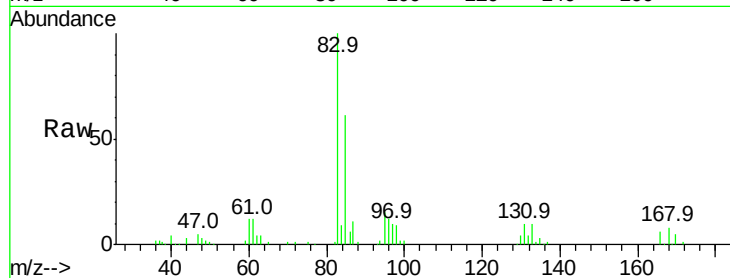
Tgt Ion: 83 Resp: 52335

Ion Ratio Lower Upper

83 100

85 60.6 45.4 84.2

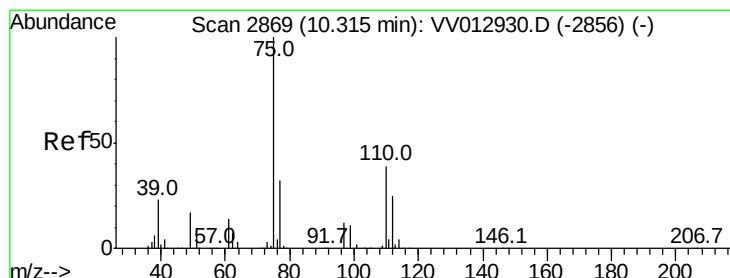
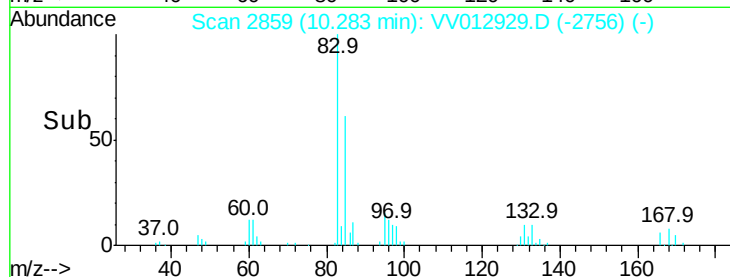
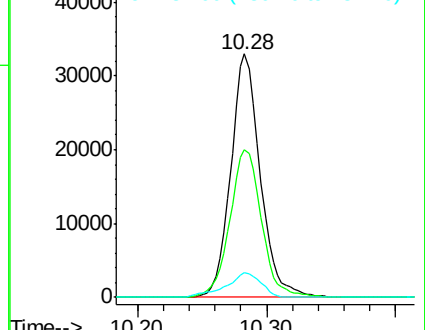
131 10.1 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VV012929.D (-2756) (-)

Ion 85.00 (84.70 to 85.70): VV012929.D (-2756) (-)

Ion 131.00 (130.70 to 131.70): VV012929.D (-2756) (-)



#59

1,2,3-Trichloropropane

Concen: 4.926 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012929.D

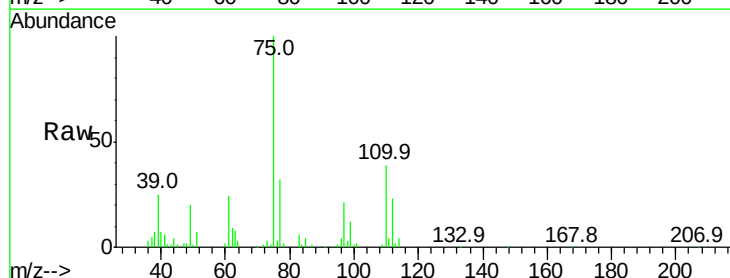
Acq: 23 Sep 2019 10:32

Tgt Ion: 75 Resp: 43968

Ion Ratio Lower Upper

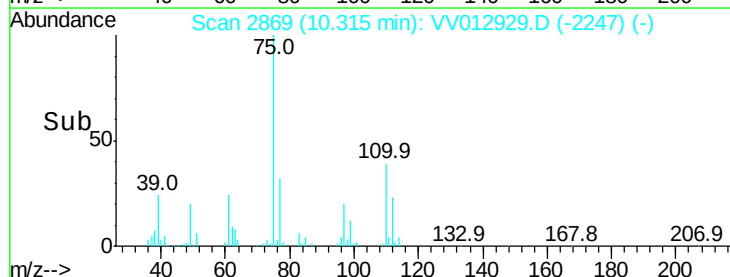
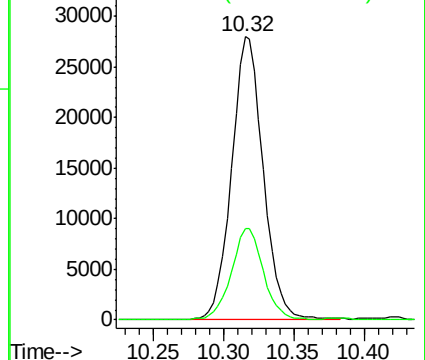
75 100

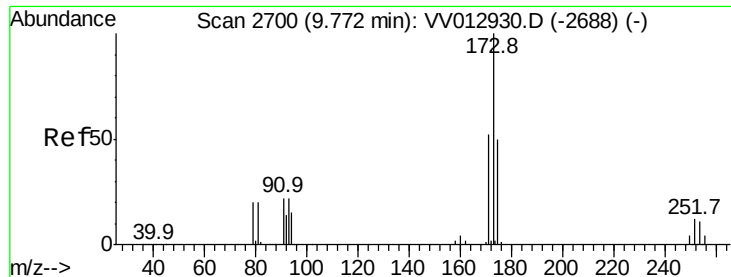
77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV012929.D (-2247) (-)

Ion 77.00 (76.70 to 77.70): VV012929.D (-2247) (-)





#62

Bromoform

Concen: 4.790 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

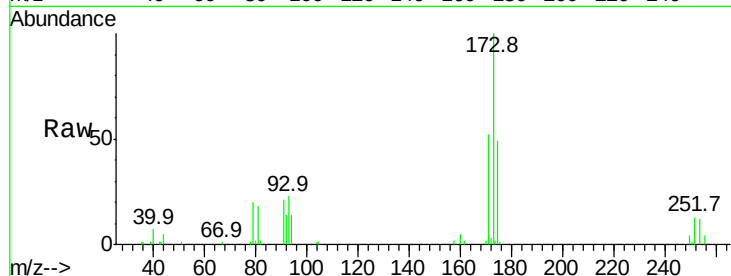
Tgt Ion:173 Resp: 30276

Ion Ratio Lower Upper

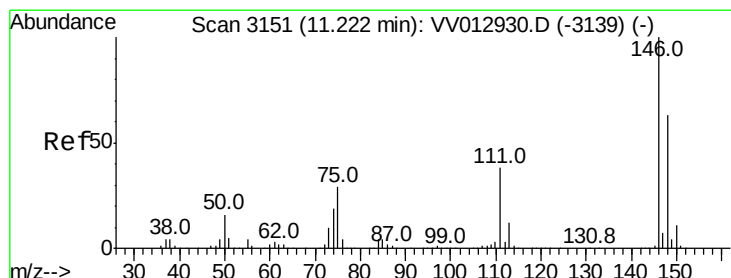
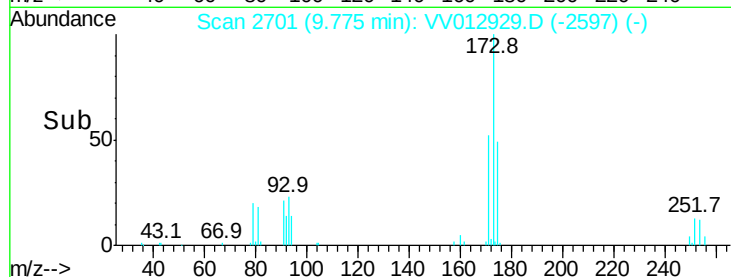
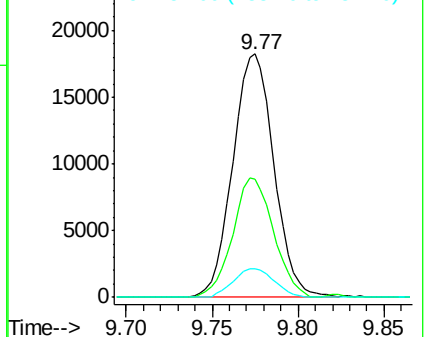
173 100

175 48.7 39.5 59.3

254 11.8 9.1 13.7



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: 4.859 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

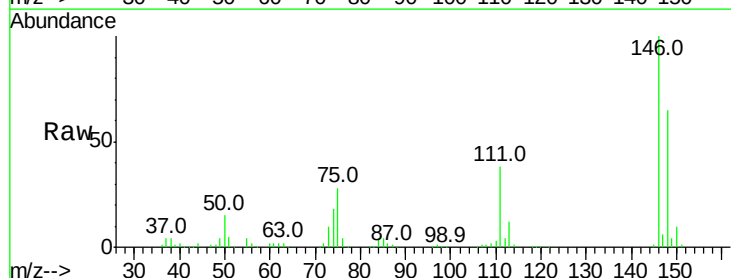
Tgt Ion:146 Resp: 118997

Ion Ratio Lower Upper

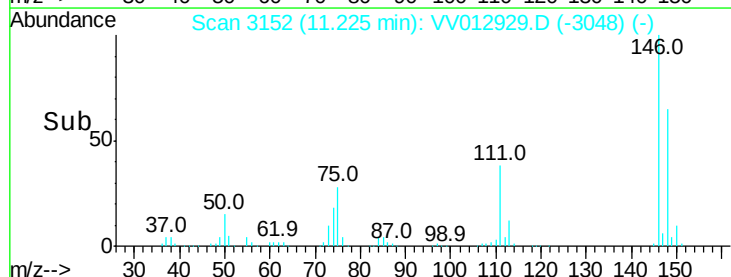
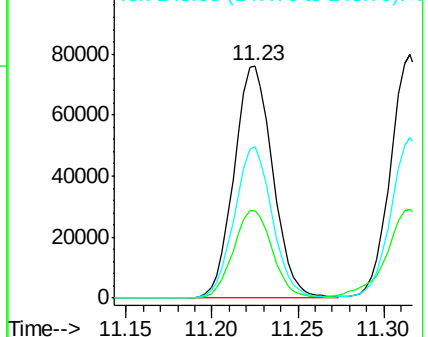
146 100

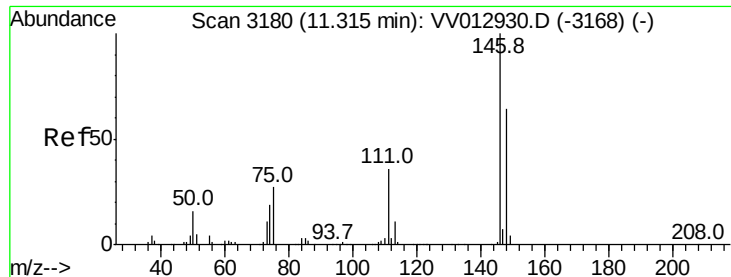
111 37.8 26.7 49.7

148 65.2 43.9 81.5



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

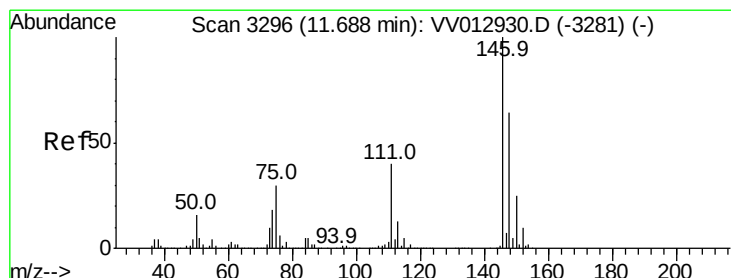
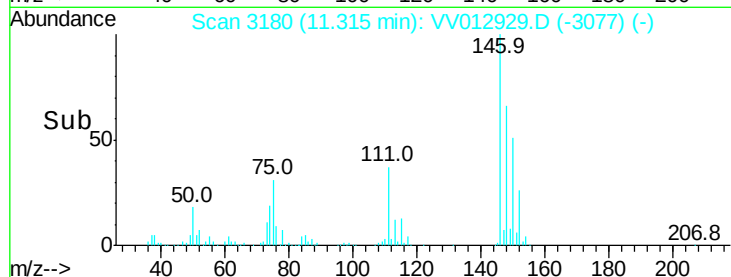
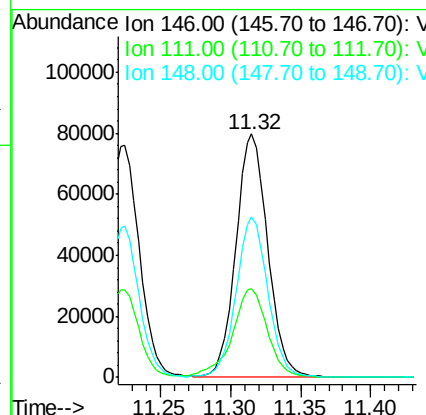
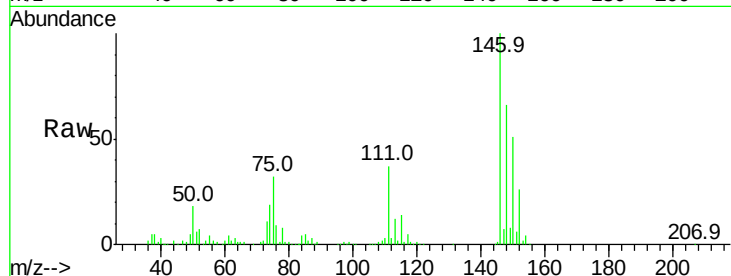




#64
 1,4-Dichlorobenzene
 Concen: 4.970 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

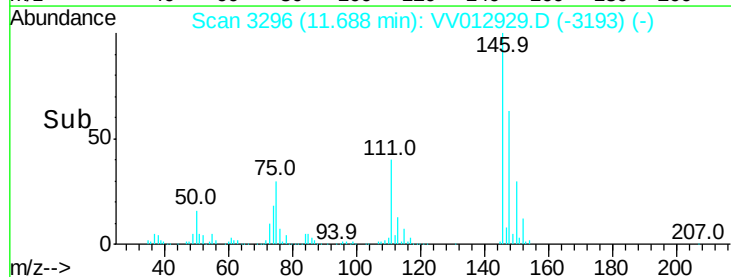
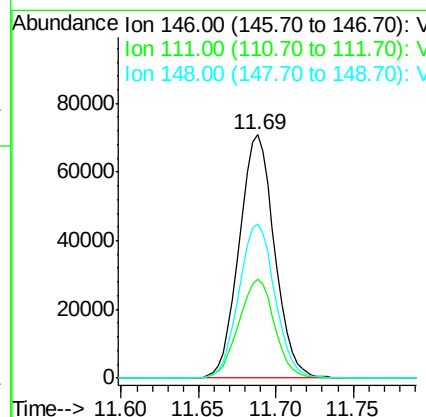
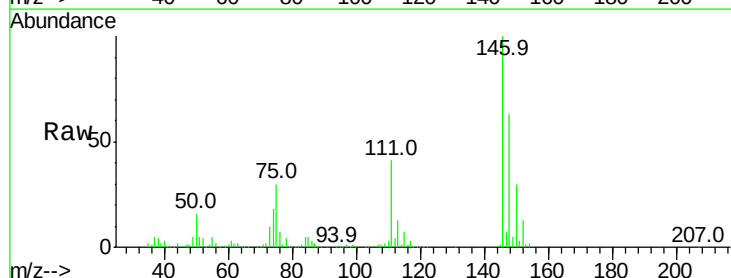
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

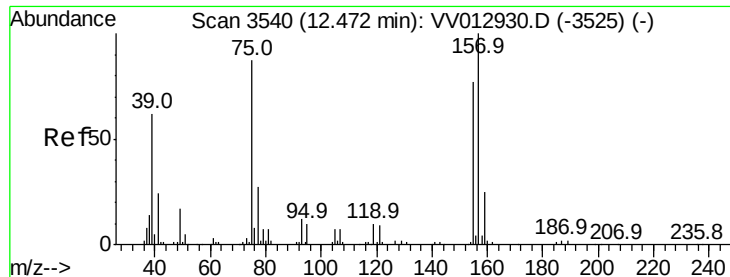
Tgt Ion:146 Resp: 126435
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.5 47.3
 148 65.9 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 4.891 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:146 Resp: 112576
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.9 47.9
 148 63.3 51.0 76.6

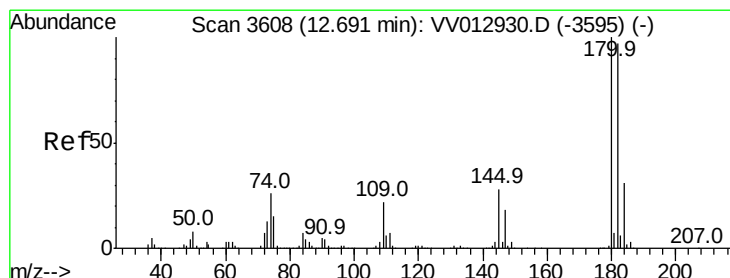
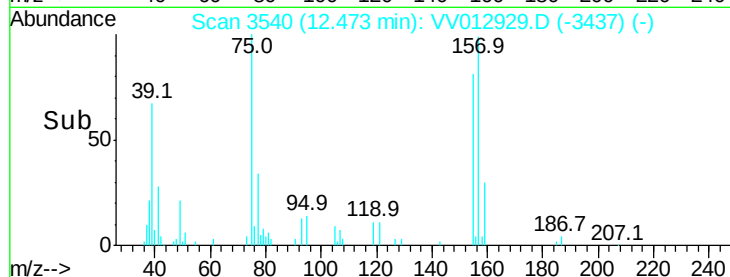
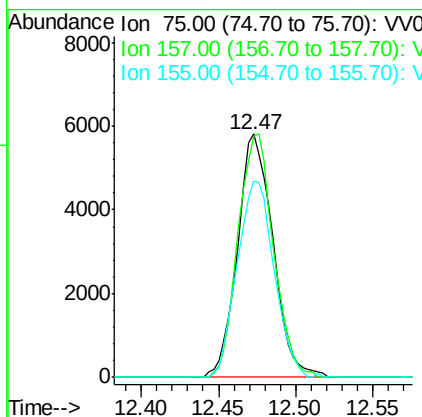
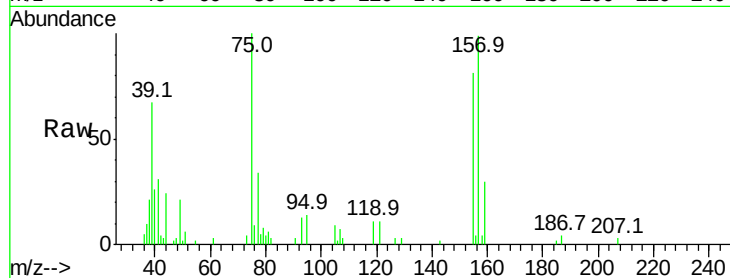




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.659 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

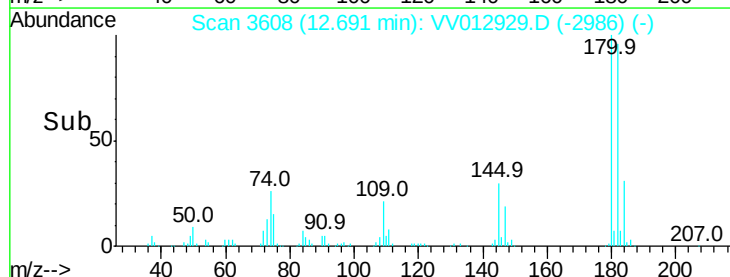
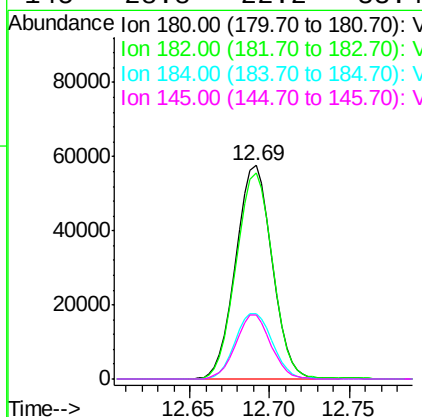
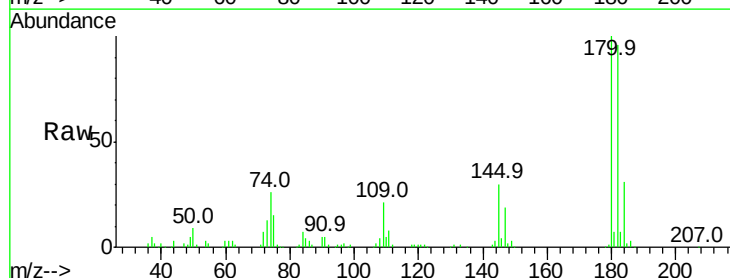
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

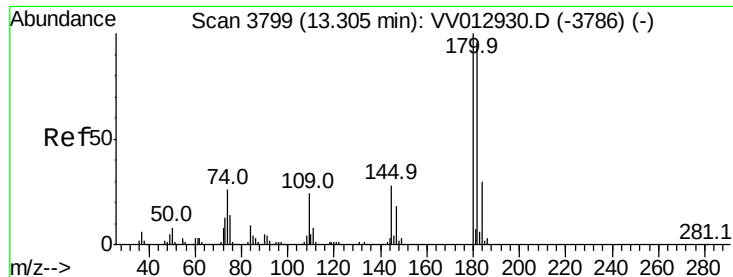
Tgt Ion: 75 Resp: 9236
 Ion Ratio Lower Upper
 75 100
 157 99.0 91.7 137.5
 155 80.7 70.8 106.2



#67
 1,3,5-Trichlorobenzene
 Concen: 4.597 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012929.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 180 Resp: 89346
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.4 114.6
 184 31.6 24.6 37.0
 145 28.8 22.2 33.4





#68

1,2,4-trichlorobenzene

Concen: 4.466 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

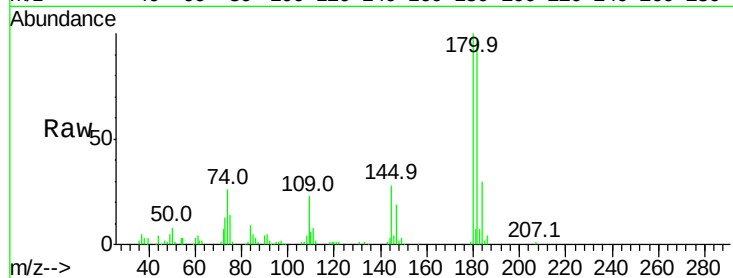
Tgt Ion:180 Resp: 75291

Ion Ratio Lower Upper

180 100

182 94.3 76.8 115.2

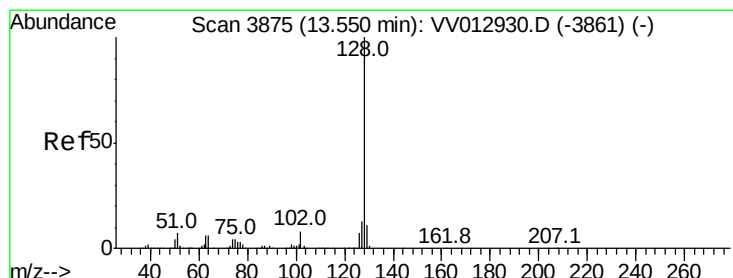
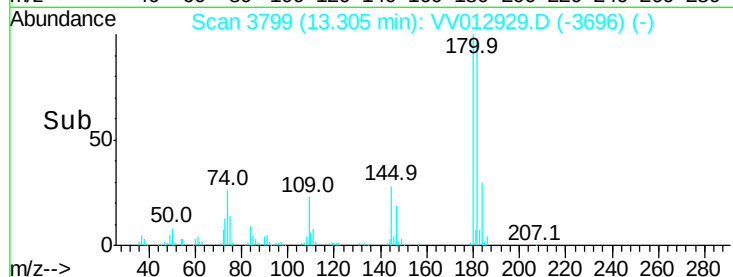
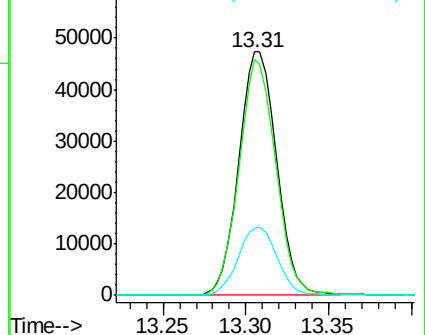
145 28.7 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 3.727 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012929.D

Acq: 23 Sep 2019 10:32

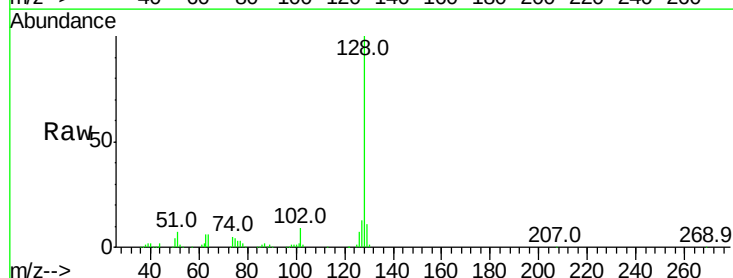
Tgt Ion:128 Resp: 127171

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

