

Data File : VV010410.D
Acq On : 22 Apr 2019 12:40
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

Quant Time: Apr 22 14:03:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	525375	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	499631	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	244496	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21466	3.22	ug/L	0.00
7) Chloroethane-d5	1.57	69	16158	2.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	37872	2.35	ug/L	0.00
20) 2-Butanone-d5	3.99	46	411	0.20	ug/L	0.06
24) Chloroform-d	4.39	84	30904	2.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	18804	2.31	ug/L	0.00
29) Benzene-d6	5.10	84	61020	2.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	18563	2.48	ug/L	0.00
37) Toluene-d8	7.36	98	57005	2.32	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	7811	2.12	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	5571	3.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	14526	1.94	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	22849	2.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20575	2.582 ug/L	100
3) Chloromethane	1.25	50	17386	2.510 ug/L	98
5) Vinyl chloride	1.32	62	21684	2.997 ug/L	99
6) Bromomethane	1.51	94	12879	2.783 ug/L	91
8) Chloroethane	1.59	64	11687	2.535 ug/L	93
9) Trichlorofluoromethane	1.76	101	36449	2.453 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	20526	2.622 ug/L	95
12) 1,1-Dichloroethene	2.14	96	17828	2.612 ug/L	90
13) Acetone	2.19	43	11873	5.415 ug/L	88
14) Carbon disulfide	2.31	76	39035	2.319 ug/L	98
15) Methyl Acetate	2.46	43	6537	1.827 ug/L	94
16) Methylene chloride	2.53	84	29680	3.537 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	37942	2.309 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	14965	2.311 ug/L	99
19) 1,1-Dichloroethane	3.23	63	25876	2.340 ug/L	98
21) 2-Butanone	4.03	43	9177	3.861 ug/L	# 73
22) cis-1,2-Dichloroethene	3.96	96	16424	2.227 ug/L	94
23) Bromochloromethane	4.30	128	7501	2.032 ug/L	90
25) Chloroform	4.42	83	32086	2.490 ug/L	96
27) 1,2-Dichloroethane	5.18	62	21855	2.373 ug/L	98
30) Cyclohexane	4.72	56	24770	2.705 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	27513	2.498 ug/L	96
32) Carbon tetrachloride	4.87	117	27544	2.650 ug/L	93
34) Benzene	5.14	78	55316	2.269 ug/L	100
35) Trichloroethene	5.96	95	17803	2.468 ug/L	97
36) Methylcyclohexane	6.17	83	26271	2.501 ug/L	96
40) 1,2-Dichloropropane	6.22	63	12693	2.030 ug/L	# 94
41) Bromodichloromethane	6.56	83	20058	2.286 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	19310	2.047 ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	18199	3.725 ug/L	99

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VSTD2.577

Quant Time: Apr 22 14:03:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	67206	2.445	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	17697	2.013	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	11681	2.073	ug/L	95
47) Tetrachloroethene	8.02	164	15872	2.466	ug/L	91
49) 2-Hexanone	8.18	43	12286	3.593	ug/L	95
50) Dibromochloromethane	8.29	129	14019	2.027	ug/L	97
51) 1,2-Dibromoethane	8.40	107	12162	2.177	ug/L	99
52) Chlorobenzene	8.92	112	45992	2.405	ug/L	99
53) Ethylbenzene	9.05	91	75435	2.416	ug/L	96
54) m,p-Xylene	9.18	106	29652	2.453	ug/L	95
55) o-xylene	9.59	106	27698	2.376	ug/L	96
56) Styrene	9.60	104	41799	2.100	ug/L	99
57) Isopropylbenzene	9.97	105	78258	2.519	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	13953	1.915	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	10356	1.963	ug/L	96
62) Bromoform	9.77	173	8215	2.173	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	35550	2.384	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	37299	2.426	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	34982	2.430	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2007	1.744	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	26939	2.172	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	18638	1.881	ug/L	93
69) Naphthalene	13.55	128	26151	1.429	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	16396	1.702	ug/L	97

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

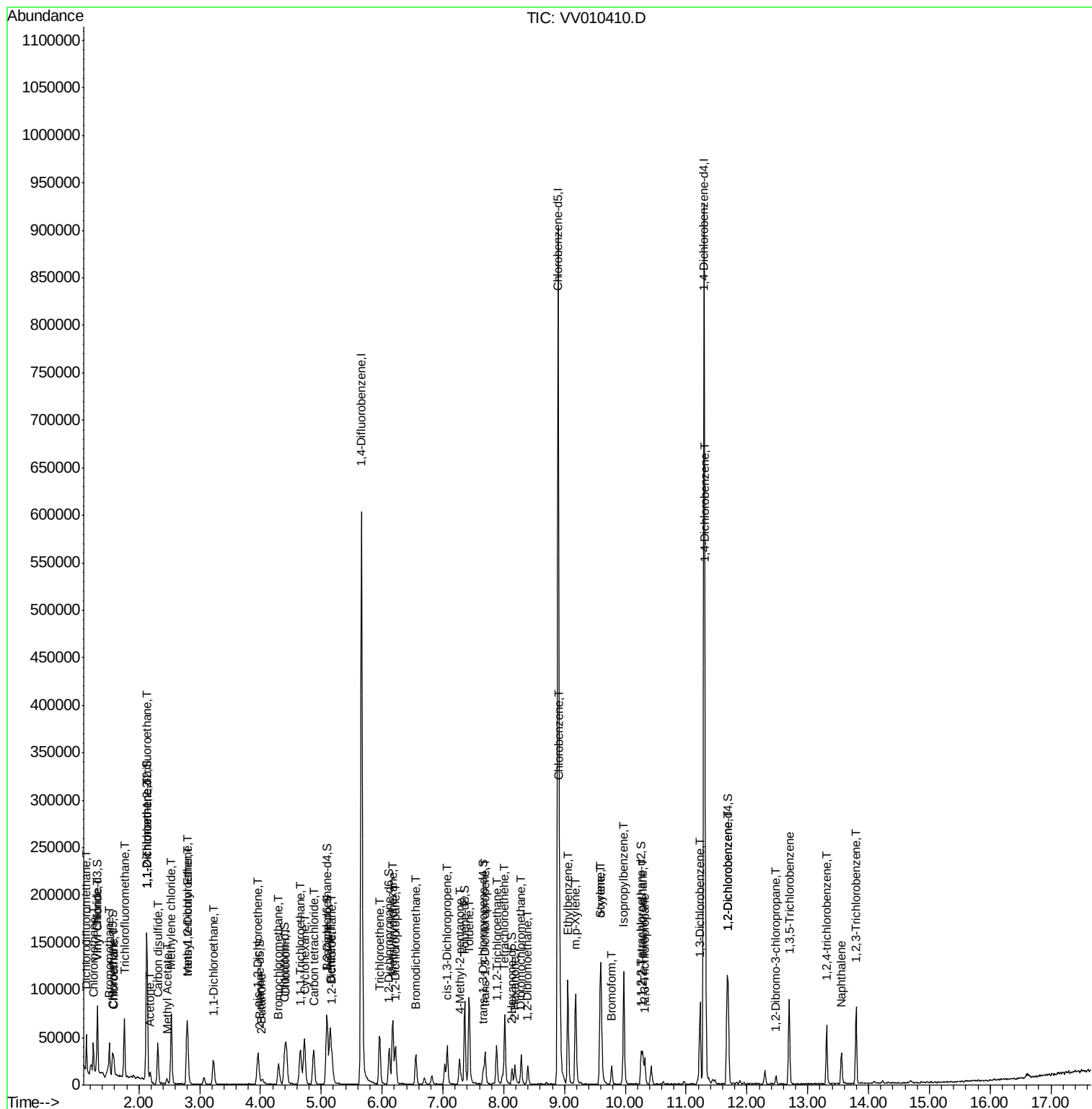
Quant Time: Apr 22 14:03:23 2019

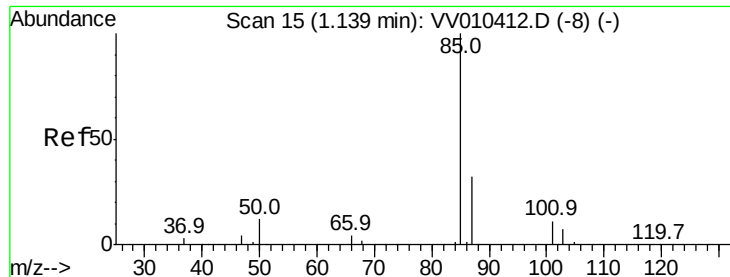
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM042219S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 22 14:00:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.582 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

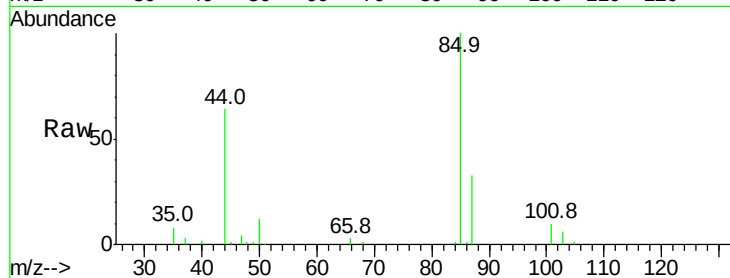
VSTD2.577

Tgt Ion: 85 Resp: 20575

Ion Ratio Lower Upper

85 100

87 32.9 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

25000

20000

15000

10000

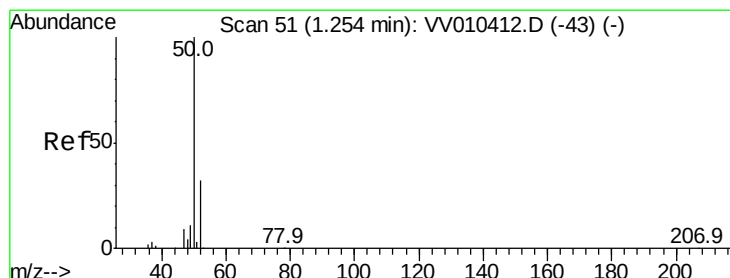
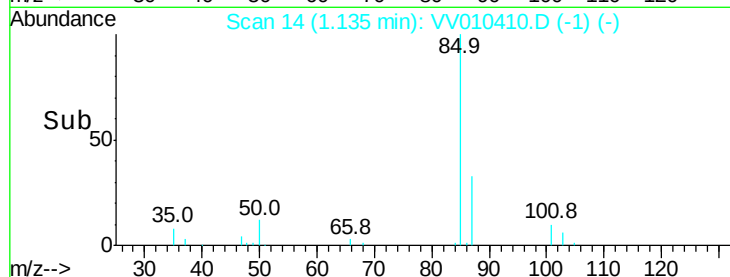
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0

1.14

1.10 1.12 1.14 1.16 1.18

Time-->



#3

Chloromethane

Concen: 2.510 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010410.D

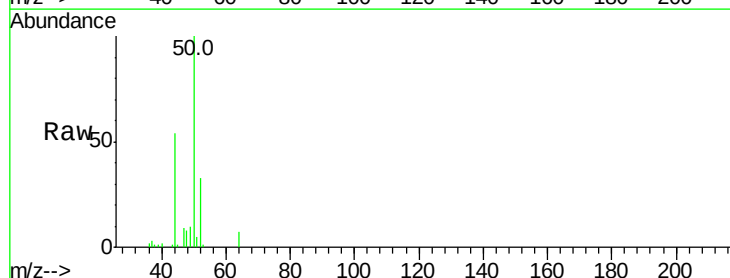
Acq: 22 Apr 2019 12:40

Tgt Ion: 50 Resp: 17386

Ion Ratio Lower Upper

50 100

52 33.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

20000

15000

10000

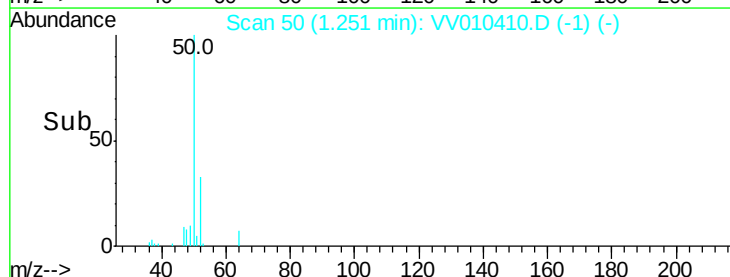
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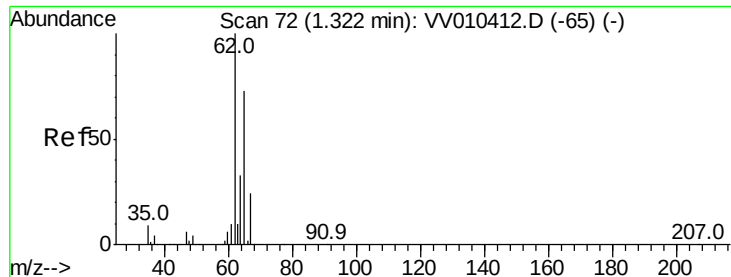
0

1.25

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 2.997 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

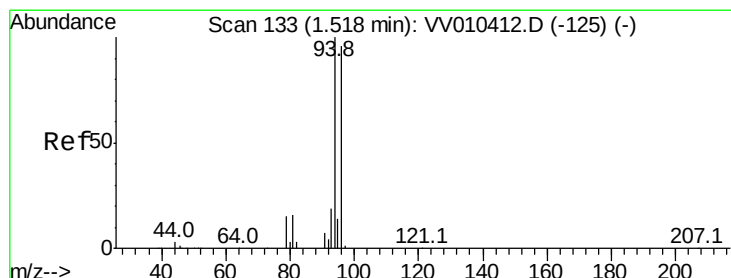
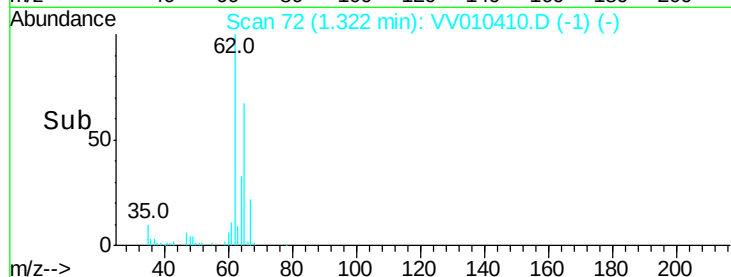
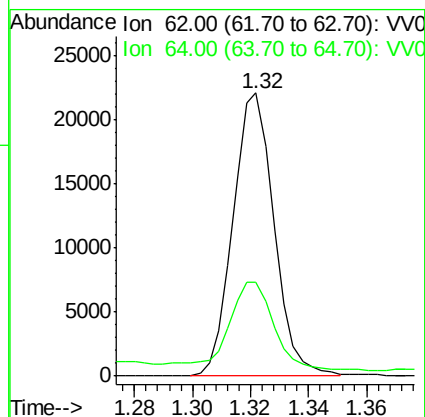
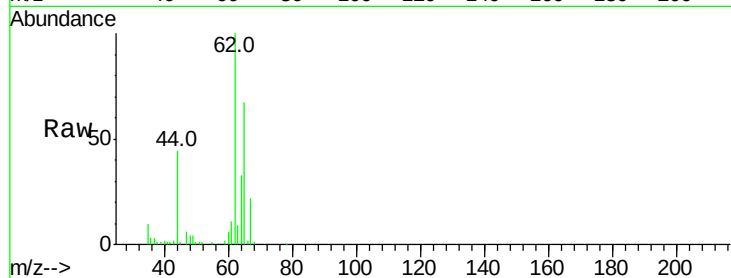
VSTD2.577

Tgt Ion: 62 Resp: 21684

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.6



#6

Bromomethane

Concen: 2.783 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010410.D

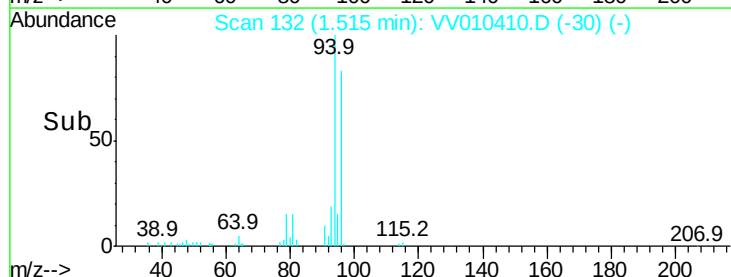
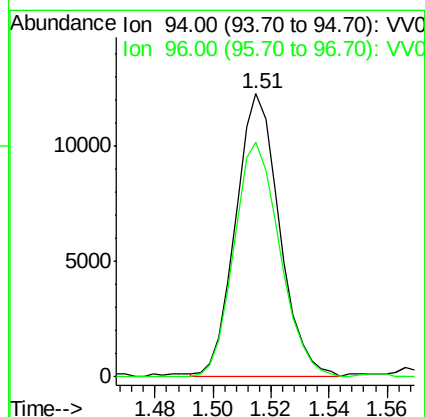
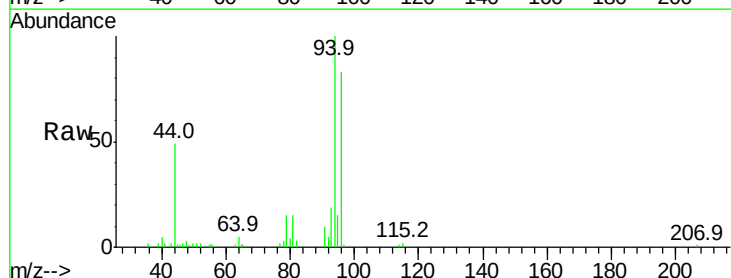
Acq: 22 Apr 2019 12:40

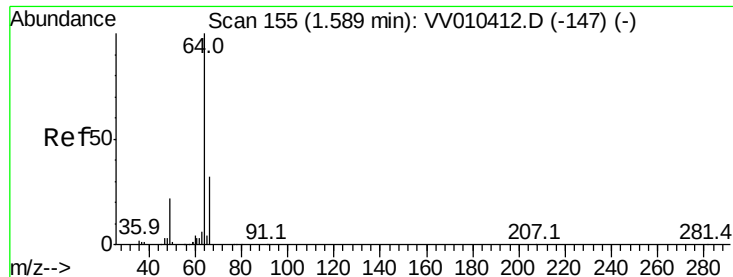
Tgt Ion: 94 Resp: 12879

Ion Ratio Lower Upper

94 100

96 86.4 9.5 180.3





#8

Chloroethane

Concen: 2.535 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

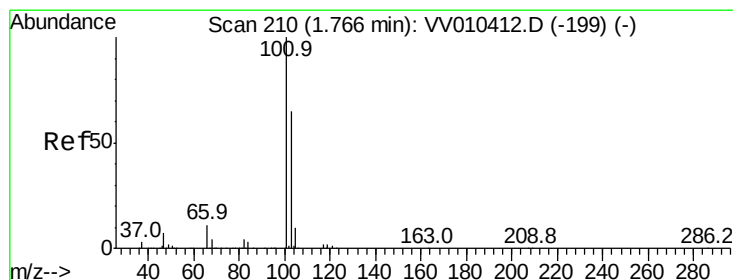
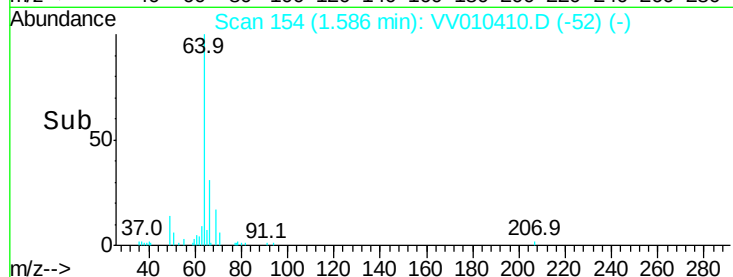
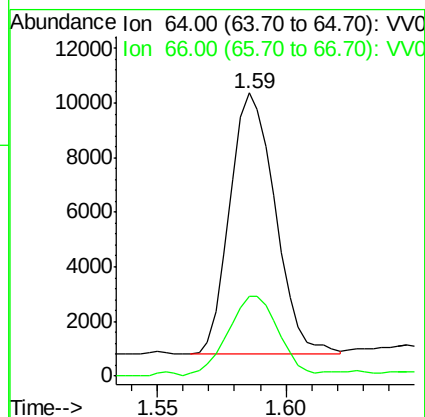
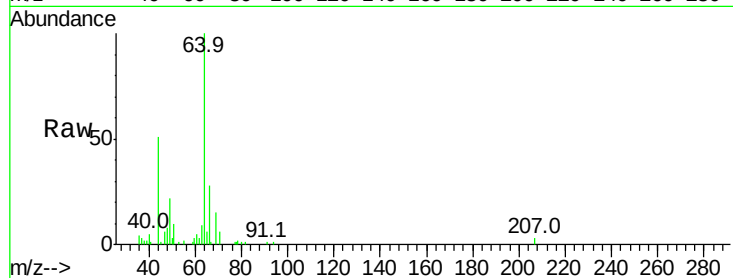
VSTD2.577

Tgt Ion: 64 Resp: 11687

Ion Ratio Lower Upper

64 100

66 28.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 2.453 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010410.D

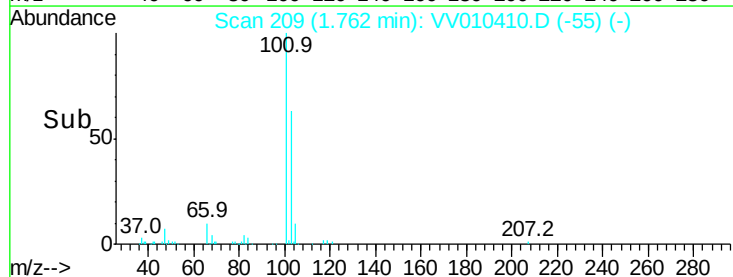
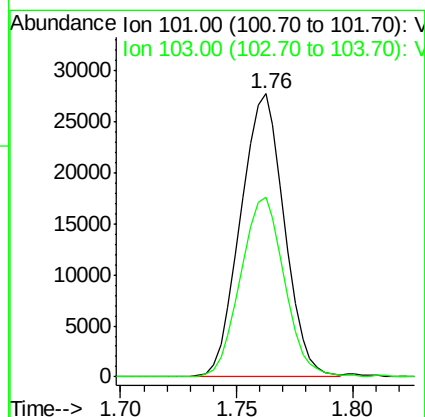
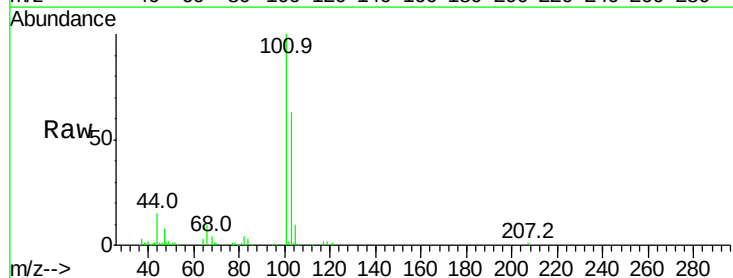
Acq: 22 Apr 2019 12:40

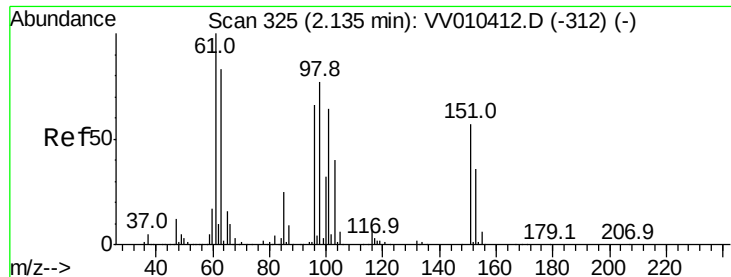
Tgt Ion: 101 Resp: 36449

Ion Ratio Lower Upper

101 100

103 63.5 45.4 84.2





#11

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

Concen: 2.622 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

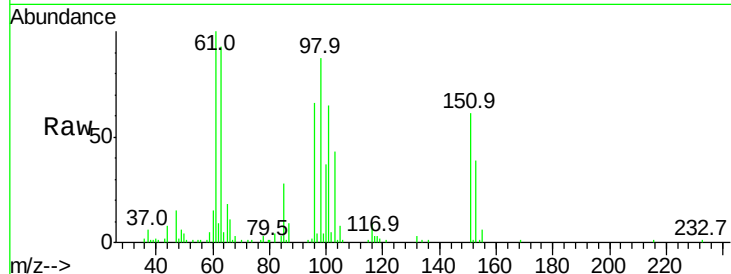
Tgt Ion:101 Resp: 20526

Ion Ratio Lower Upper

101 100

85 41.4 31.8 47.6

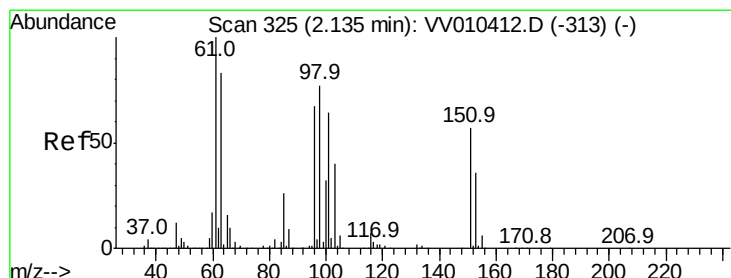
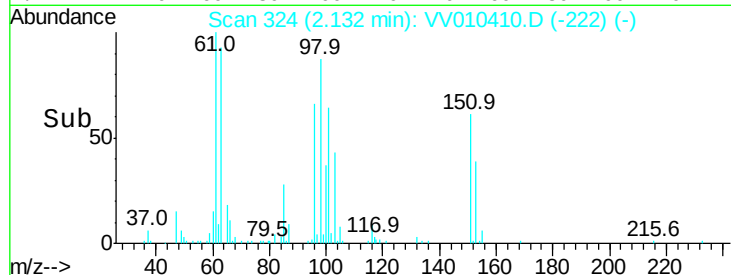
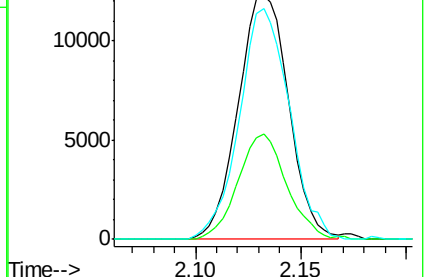
151 93.8 70.9 106.3



Abundance Ion 101.00 (100.70 to 101.70): VV010410.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV010410.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV010410.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 2.612 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

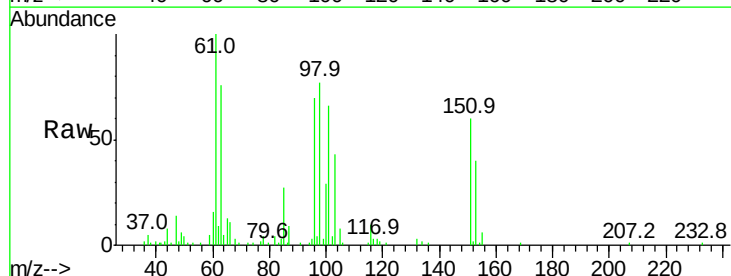
Tgt Ion: 96 Resp: 17828

Ion Ratio Lower Upper

96 100

61 143.3 105.3 195.5

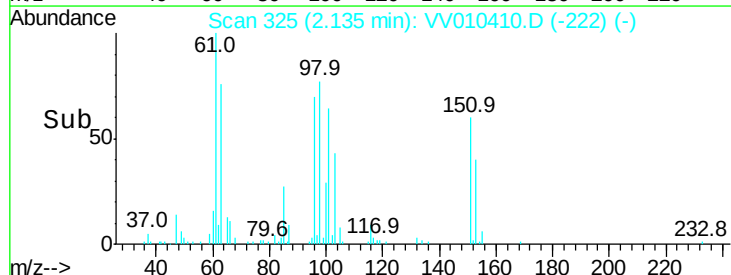
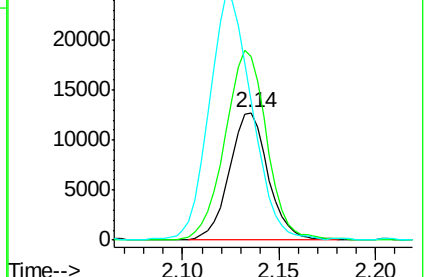
63 108.5 87.8 163.2

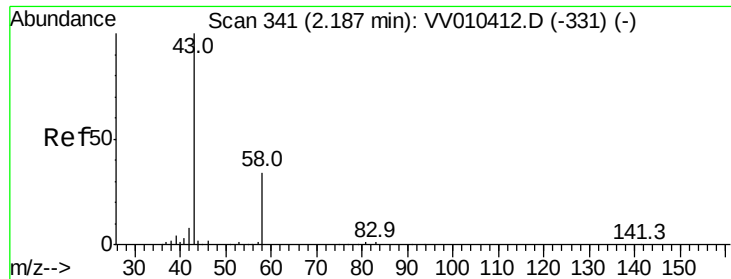


Abundance Ion 96.00 (95.70 to 96.70): VV010410.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV010410.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV010410.D (-222) (-)





#13

Acetone

Concen: 5.415 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

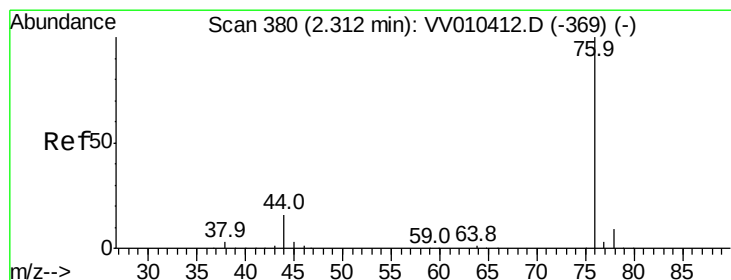
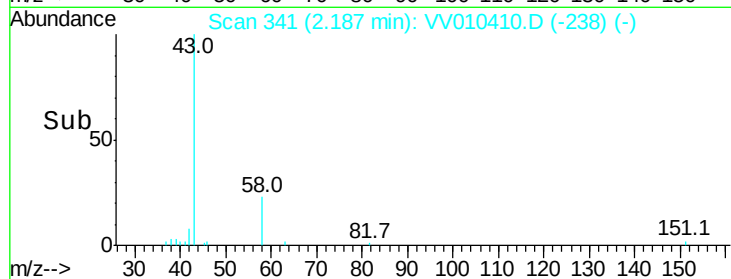
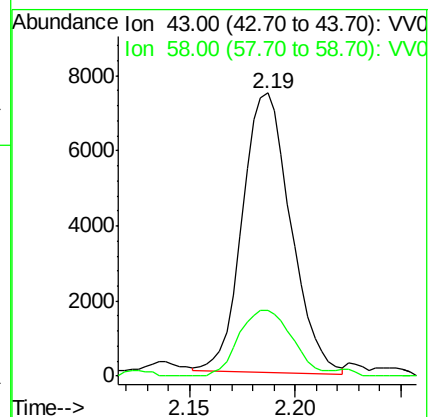
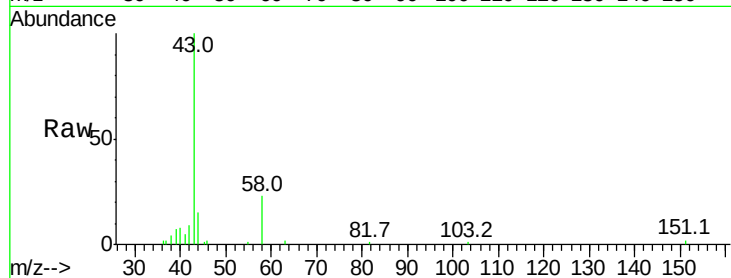
VSTD2.577

Tgt Ion: 43 Resp: 11873

Ion Ratio Lower Upper

43 100

58 26.1 0.0 66.4



#14

Carbon disulfide

Concen: 2.319 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010410.D

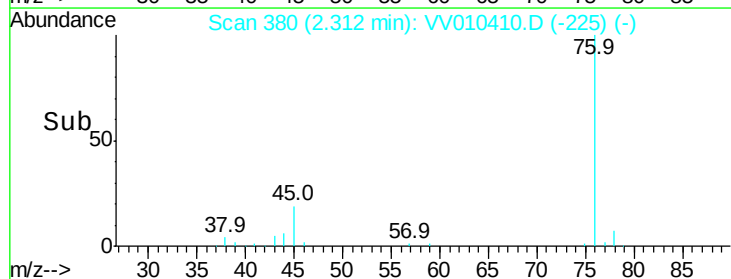
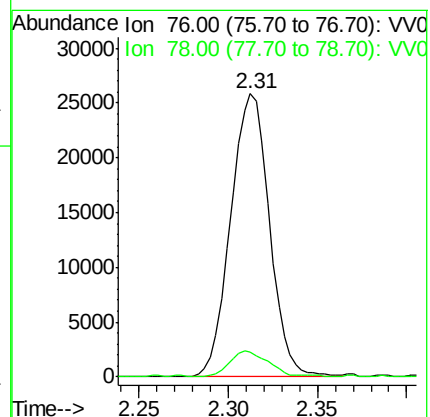
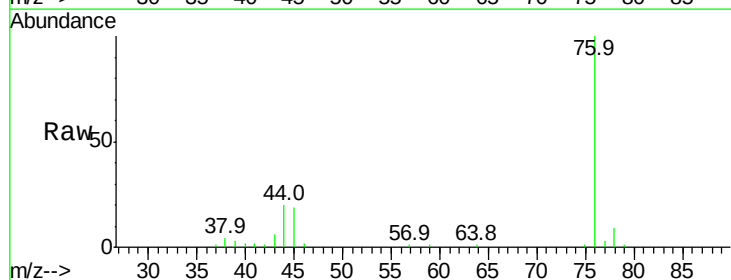
Acq: 22 Apr 2019 12:40

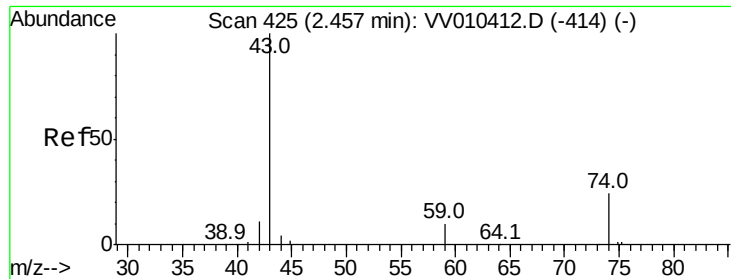
Tgt Ion: 76 Resp: 39035

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

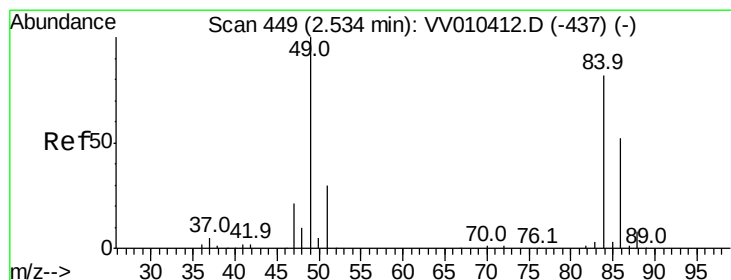
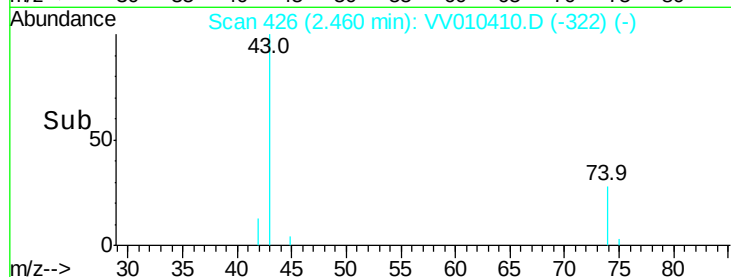
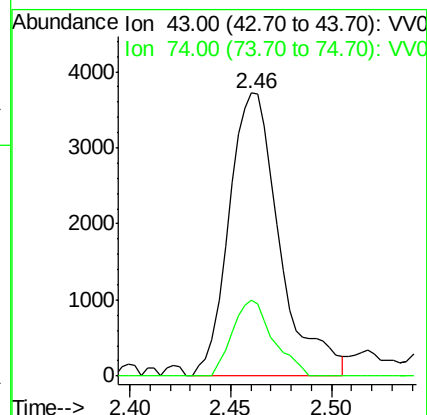
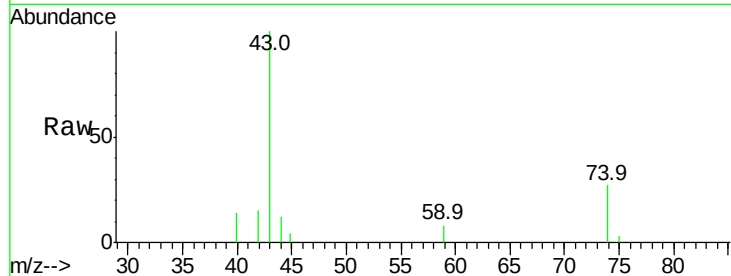




#15
Methyl Acetate
Concen: 1.827 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

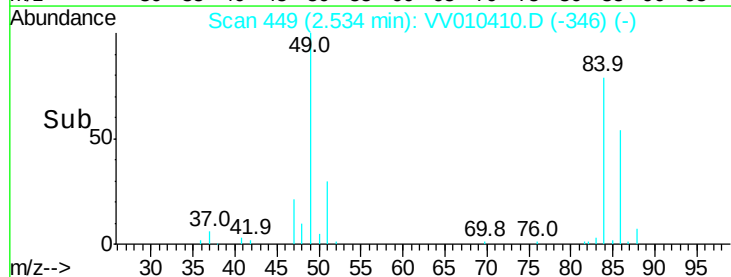
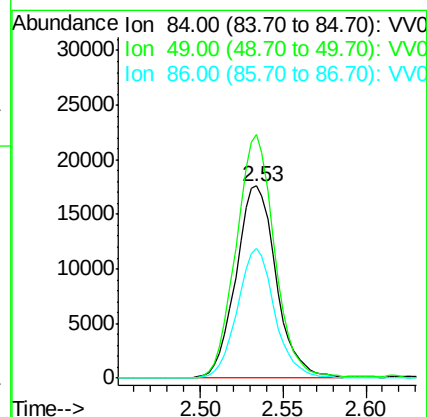
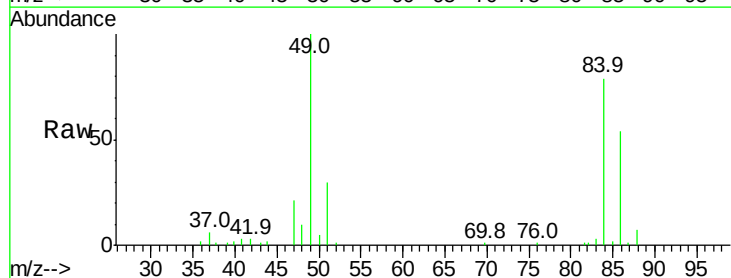
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

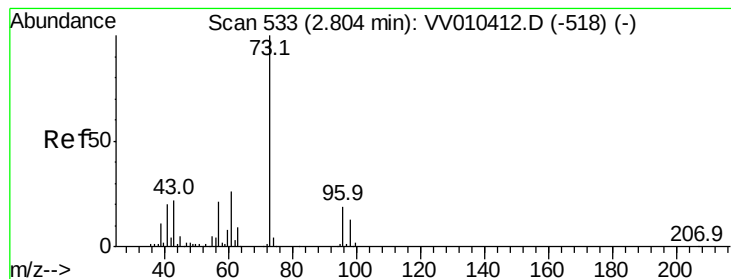
Tgt Ion: 43 Resp: 6537
Ion Ratio Lower Upper
43 100
74 21.6 19.8 29.6



#16
Methylene chloride
Concen: 3.537 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 84 Resp: 29680
Ion Ratio Lower Upper
84 100
49 126.9 85.0 158.0
86 67.9 43.9 81.5





#17

Methyl tert-butyl Ether

Concen: 2.309 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

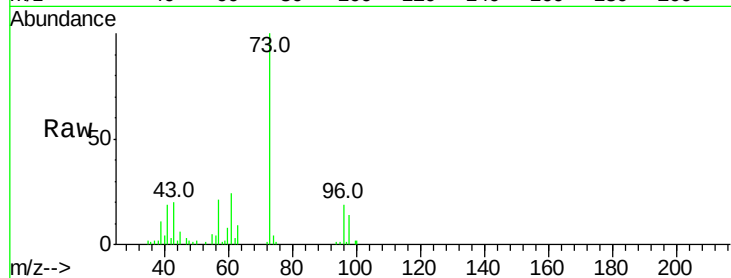
Tgt Ion: 73 Resp: 37942

Ion Ratio Lower Upper

73 100

43 22.3 16.8 25.2

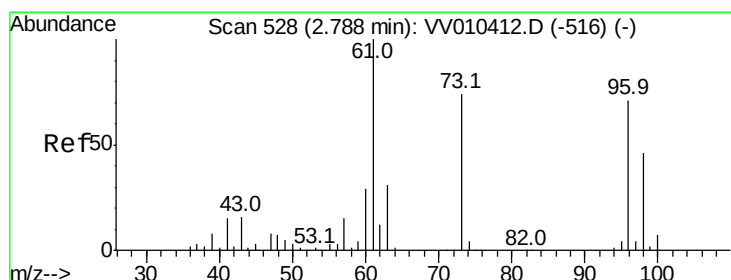
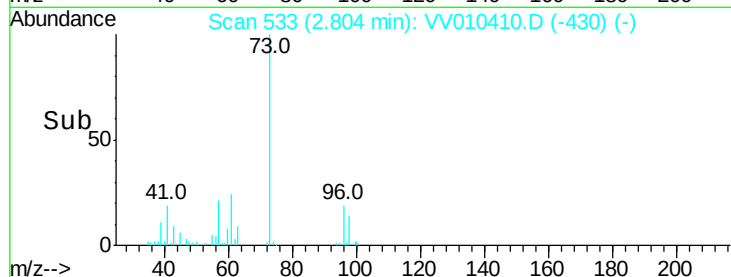
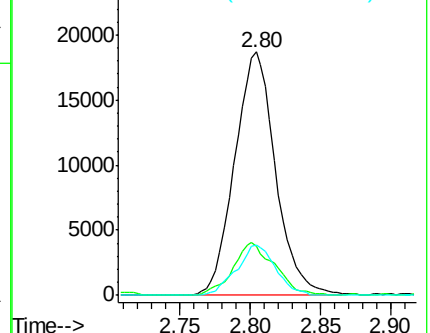
57 19.7 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 2.311 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

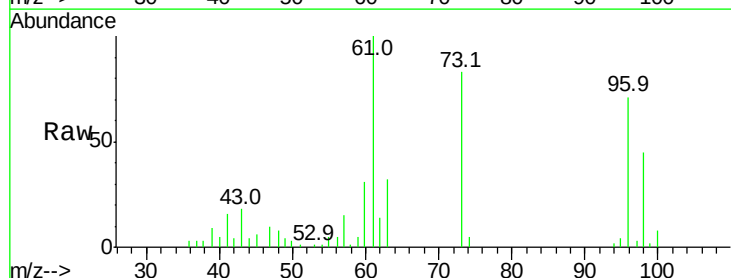
Tgt Ion: 96 Resp: 14965

Ion Ratio Lower Upper

96 100

61 141.3 98.6 183.0

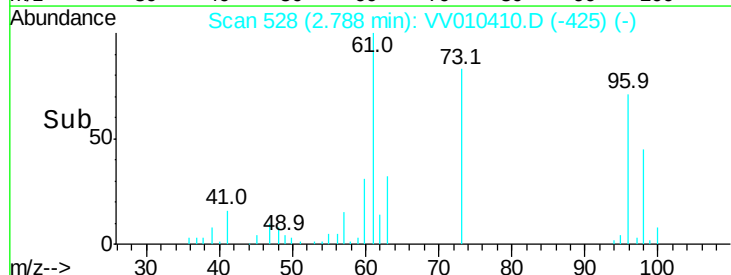
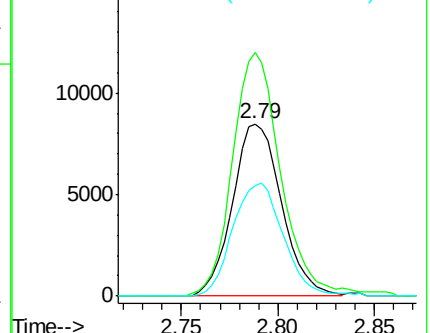
98 64.1 45.7 84.9

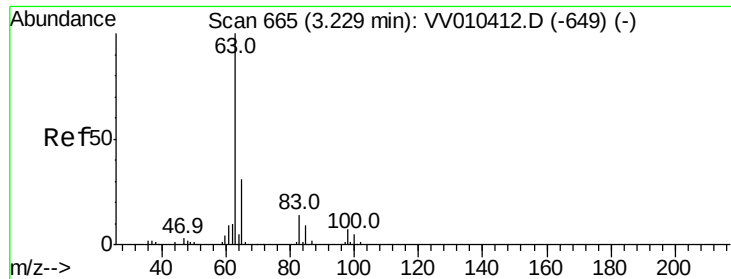


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

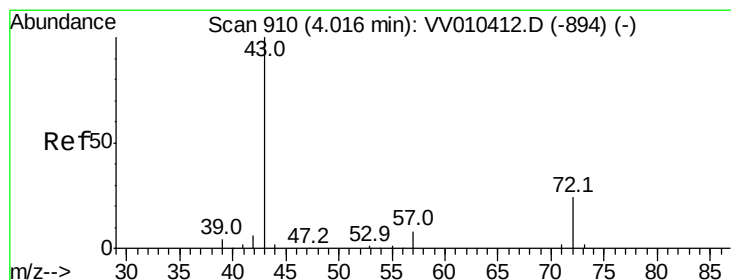
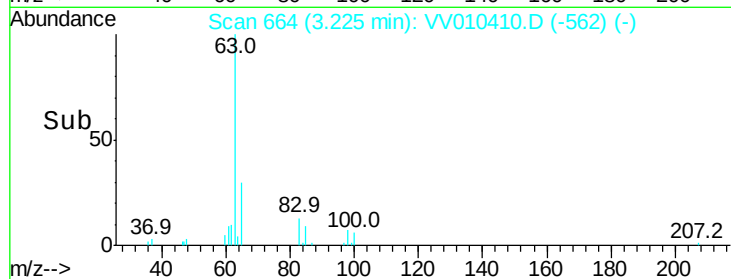
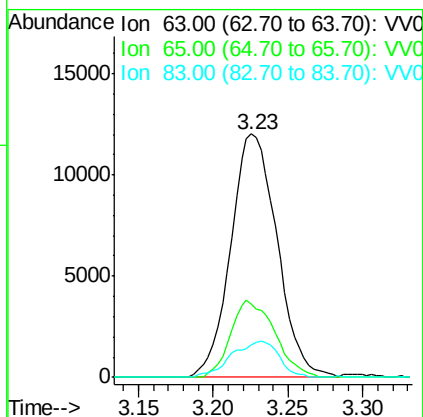
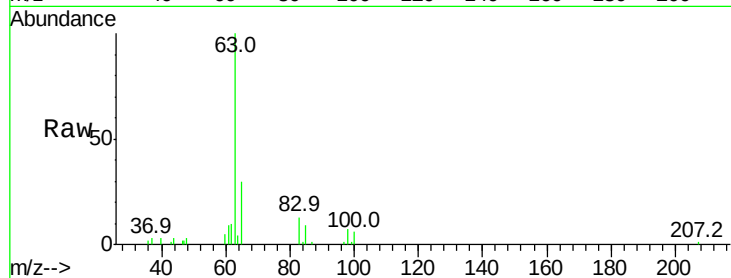




#19
 1,1-Dichloroethane
 Concen: 2.340 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

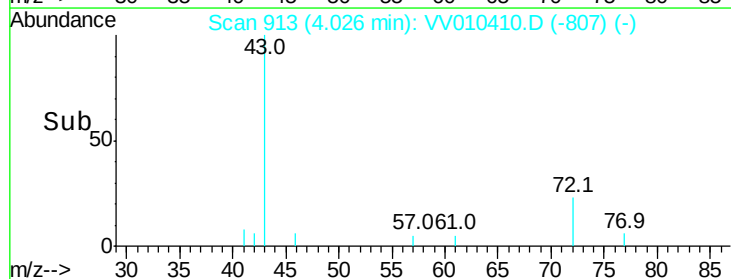
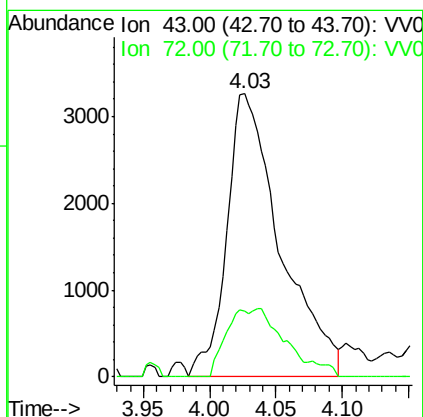
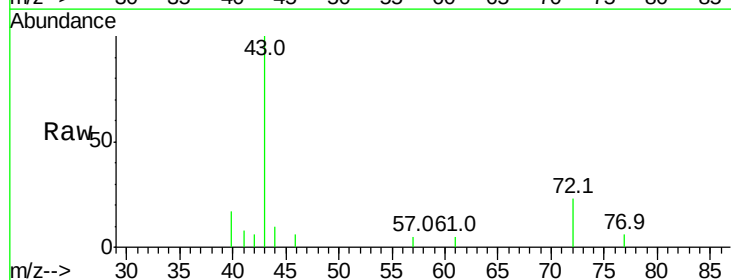
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

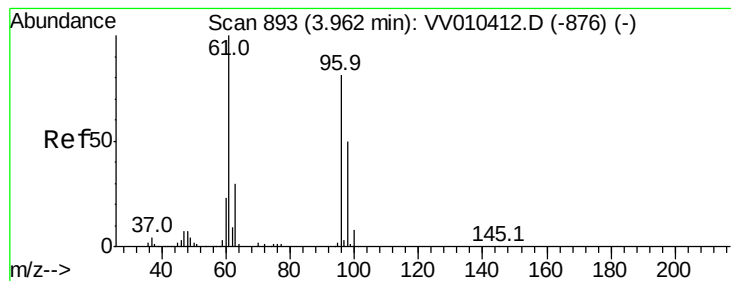
Tgt Ion: 63 Resp: 25876
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.0 41.0
 83 13.1 9.8 18.2



#21
 2-Butanone
 Concen: 3.861 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion: 43 Resp: 9177
 Ion Ratio Lower Upper
 43 100
 72 10.7 12.2 36.4#



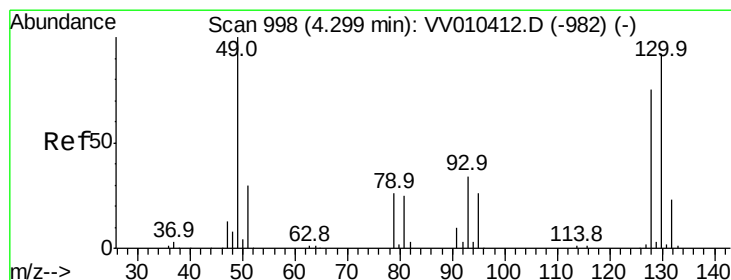
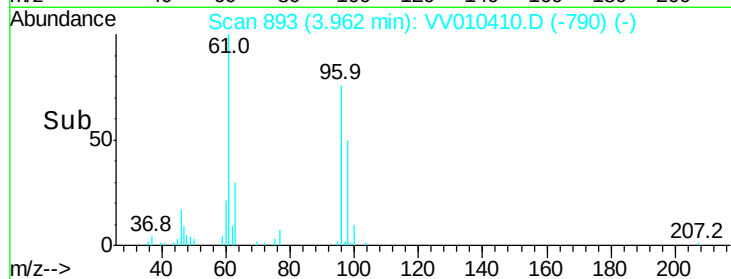
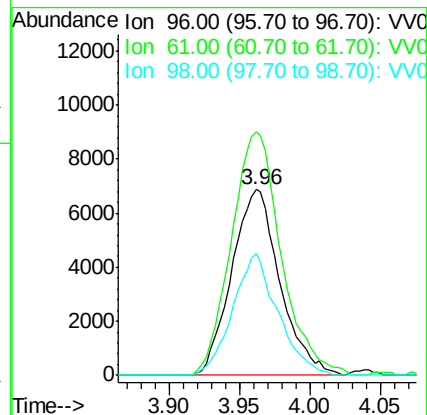
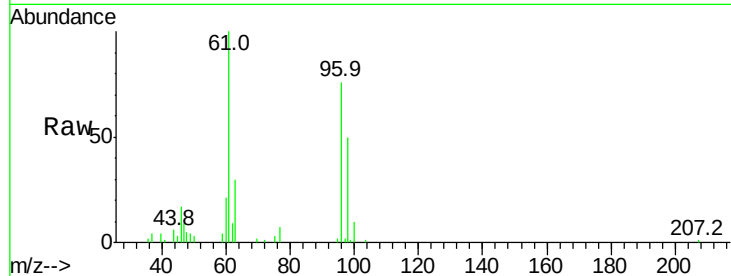


#22

cis-1,2-Dichloroethene
Concen: 2.227 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

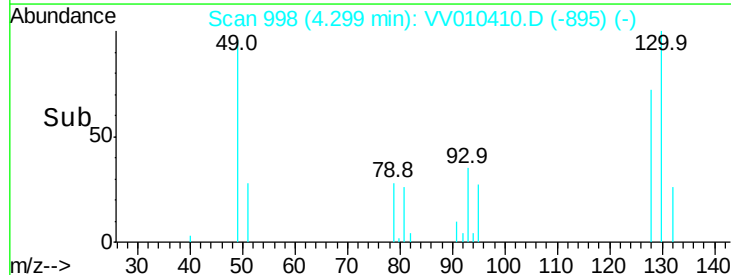
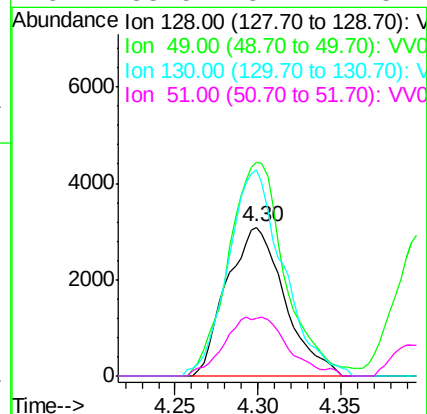
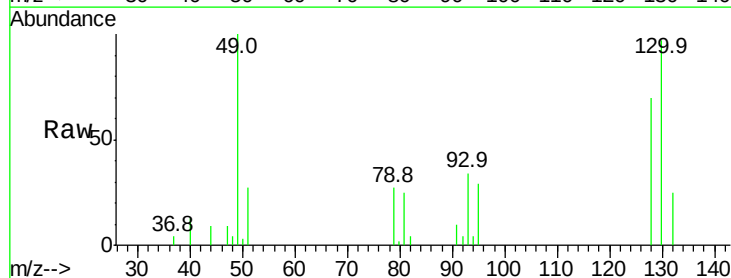
Tgt Ion: 96 Resp: 16424
Ion Ratio Lower Upper
96 100
61 131.3 86.7 161.1
98 66.0 43.5 80.7

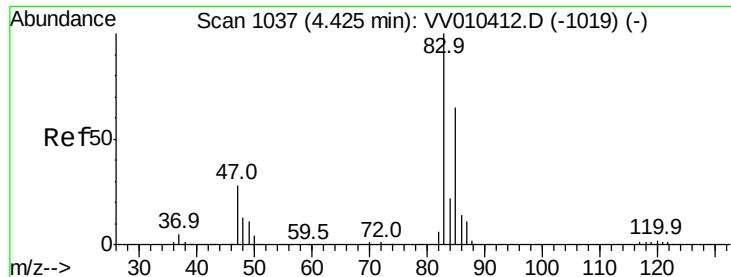


#23

Bromochloromethane
Concen: 2.032 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 128 Resp: 7501
Ion Ratio Lower Upper
128 100
49 143.5 93.7 174.1
130 138.5 85.9 159.5
51 38.5 32.2 48.4

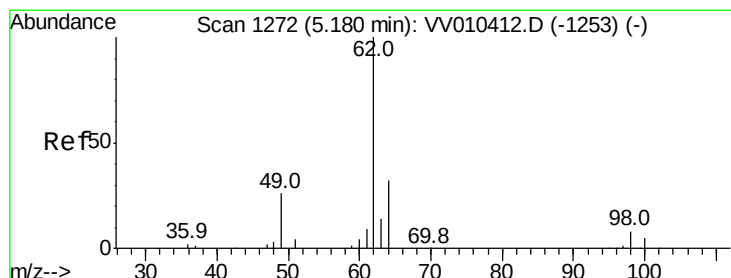
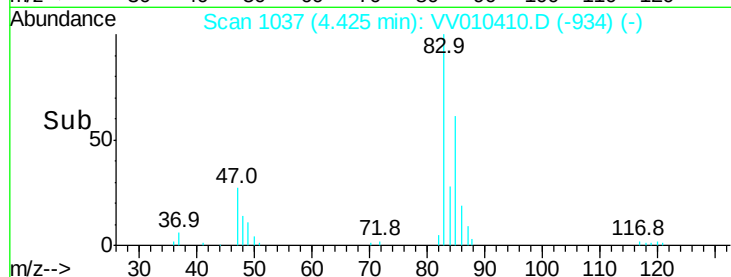
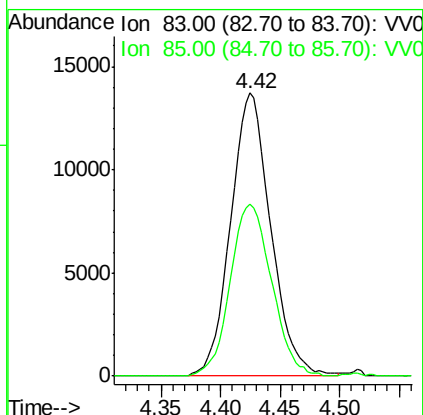
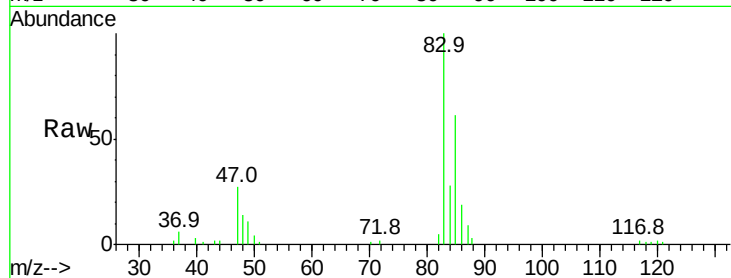




#25
Chloroform
Concen: 2.490 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

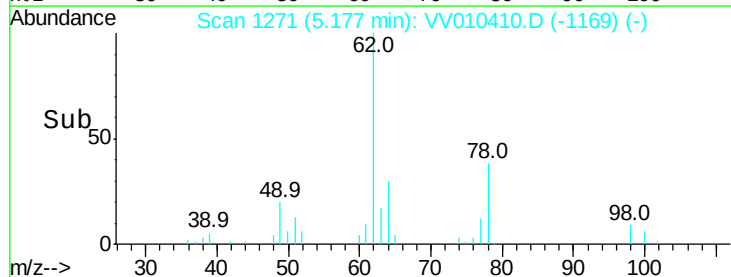
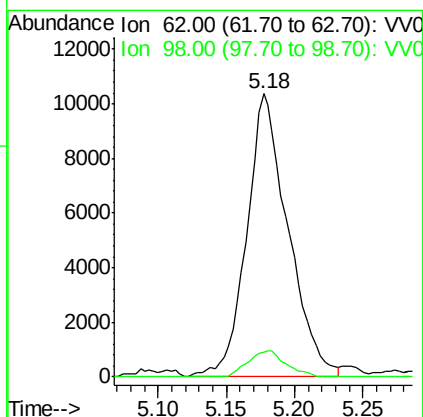
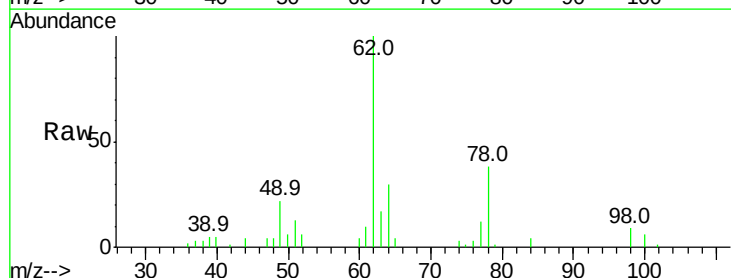
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

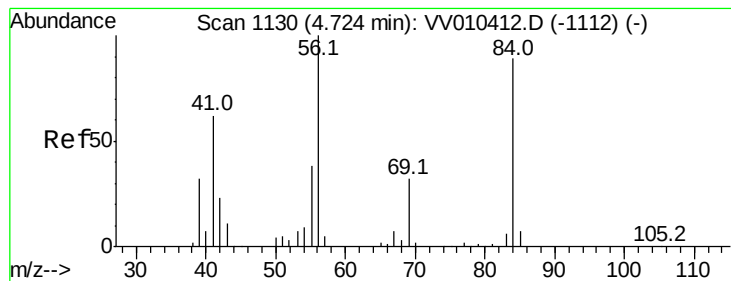
Tgt Ion: 83 Resp: 32086
Ion Ratio Lower Upper
83 100
85 62.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 2.373 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 62 Resp: 21855
Ion Ratio Lower Upper
62 100
98 8.8 6.4 9.6





#30

Cyclohexane

Concen: 2.705 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

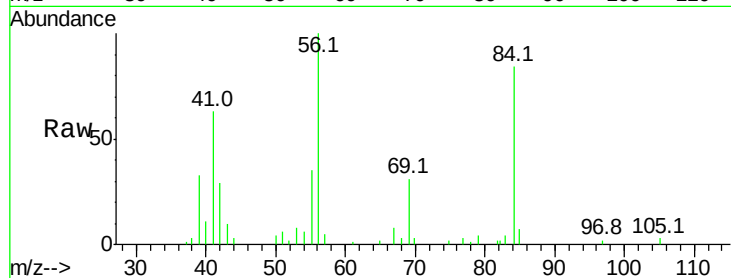
Tgt Ion: 56 Resp: 24770

Ion Ratio Lower Upper

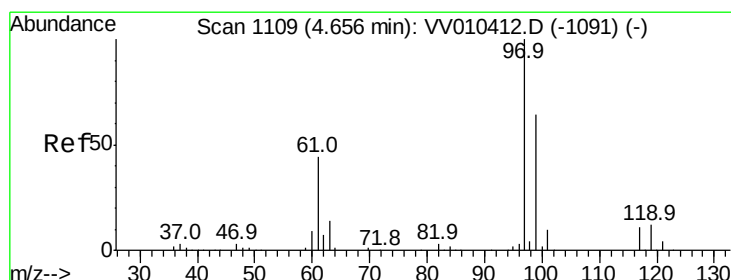
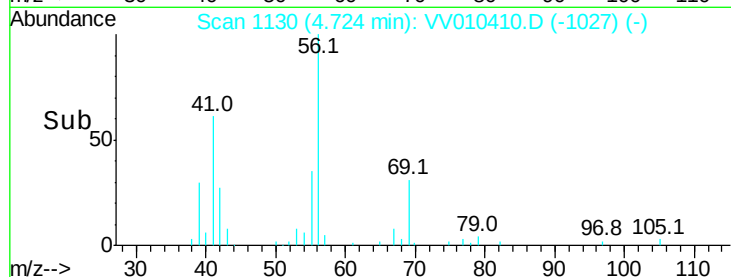
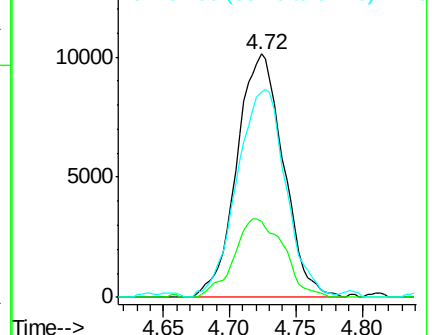
56 100

69 34.4 25.9 38.9

84 89.7 74.2 111.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 2.498 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

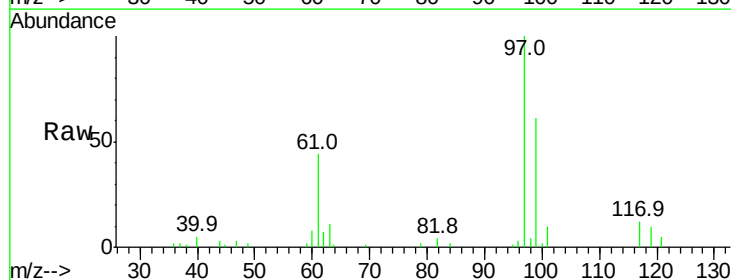
Tgt Ion: 97 Resp: 27513

Ion Ratio Lower Upper

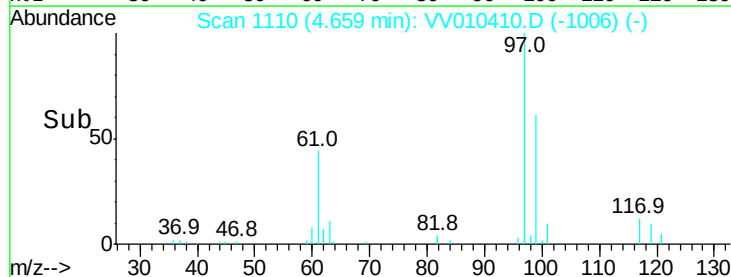
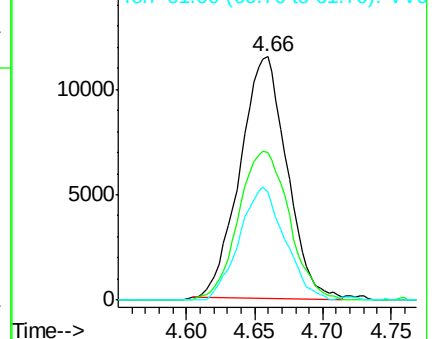
97 100

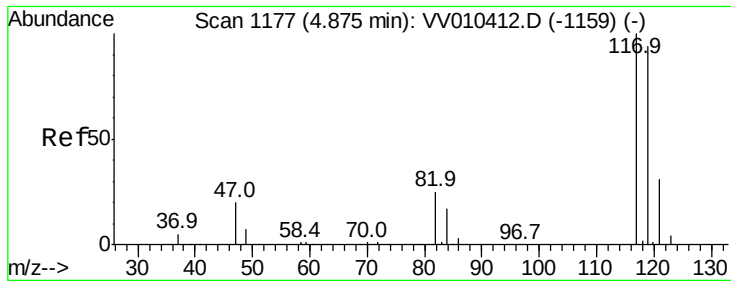
99 66.4 50.7 76.1

61 45.1 34.5 51.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 2.650 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

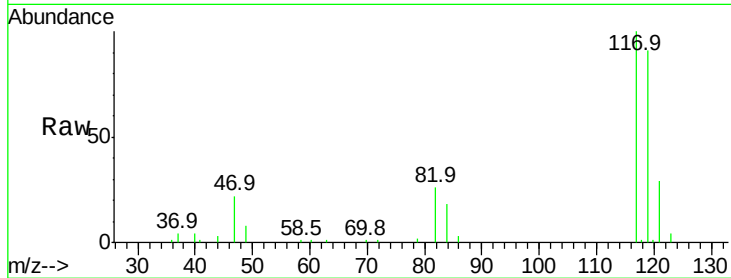
VSTD2.577

Tgt Ion:117 Resp: 27544

Ion Ratio Lower Upper

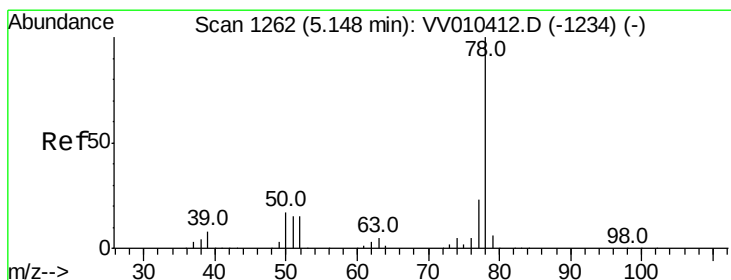
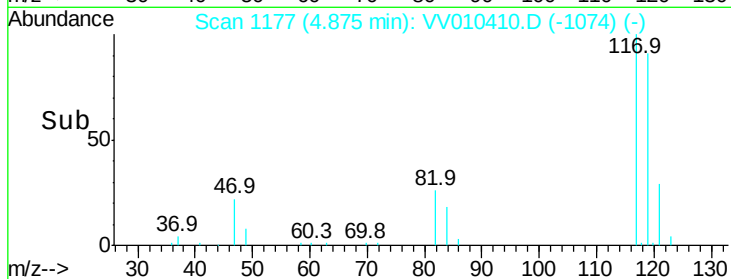
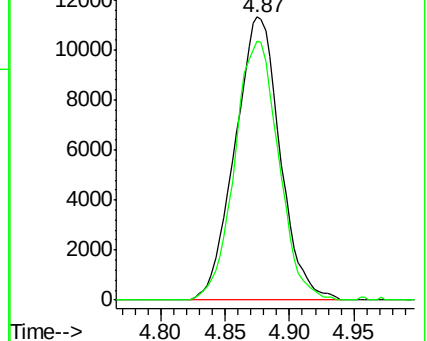
117 100

119 88.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.269 ug/L

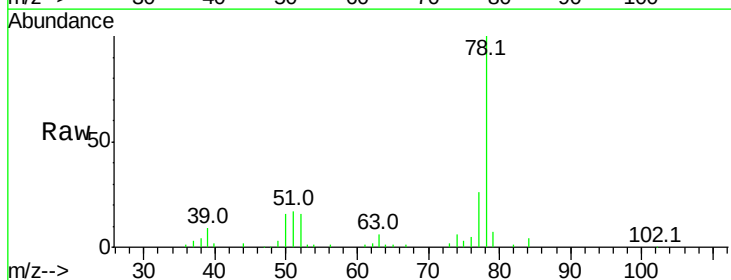
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

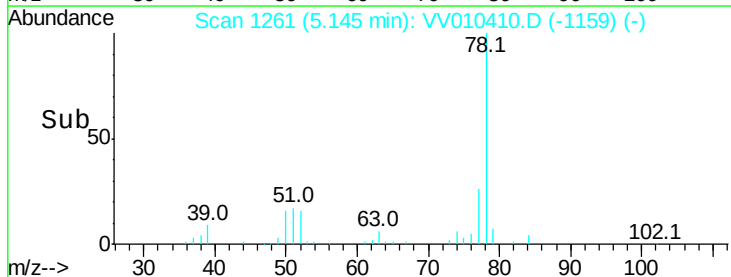
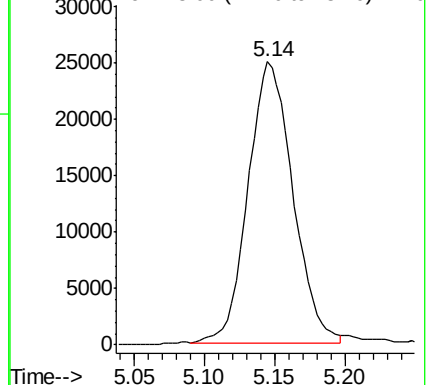
Lab File: VV010410.D

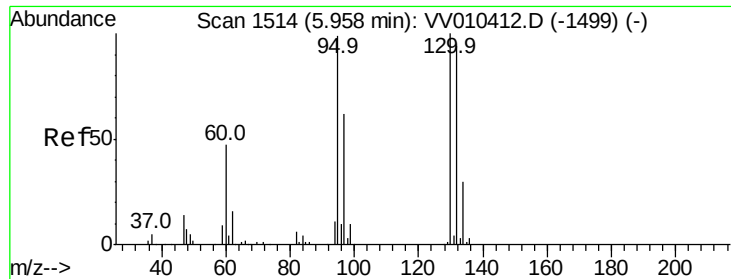
Acq: 22 Apr 2019 12:40

Tgt Ion: 78 Resp: 55316



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.468 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

Tgt Ion: 95 Resp: 17803

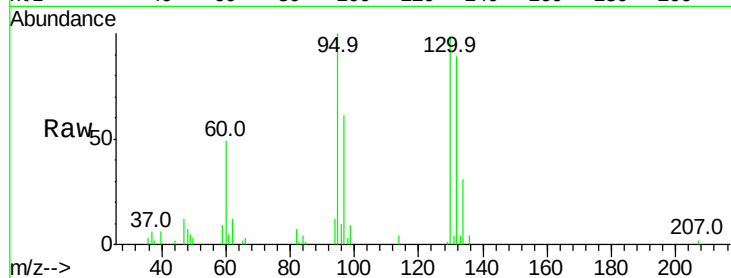
Ion Ratio Lower Upper

95 100

97 66.1 44.4 82.4

132 93.1 69.0 128.1

130 102.8 71.5 132.7

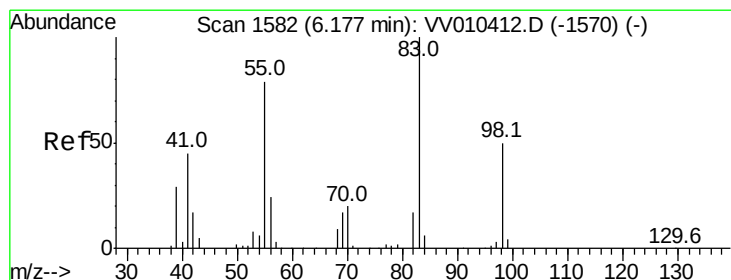
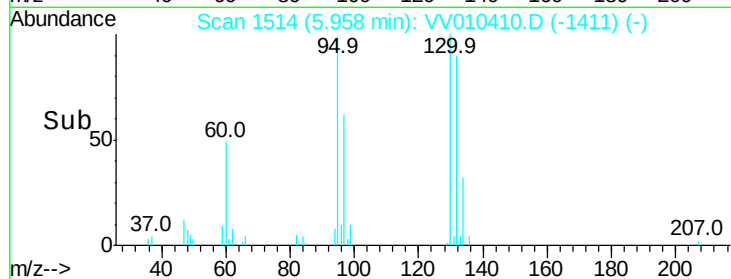
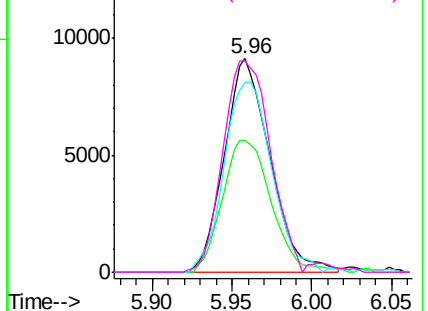


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 2.501 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

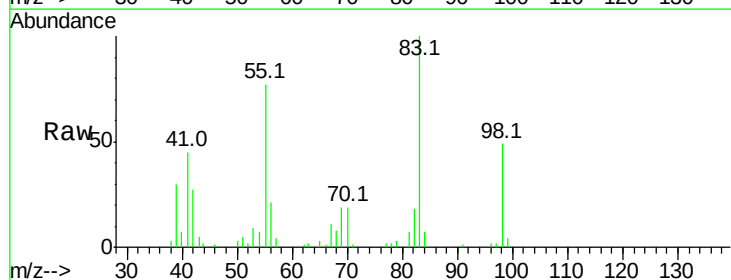
Tgt Ion: 83 Resp: 26271

Ion Ratio Lower Upper

83 100

55 78.6 59.6 89.4

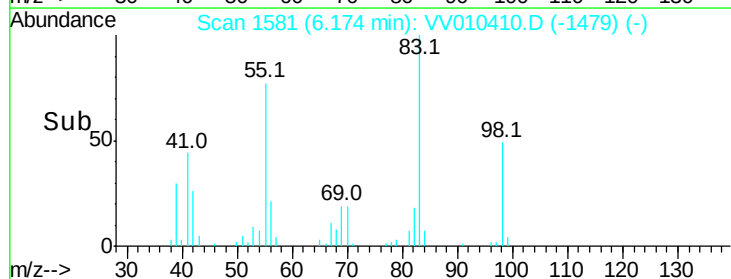
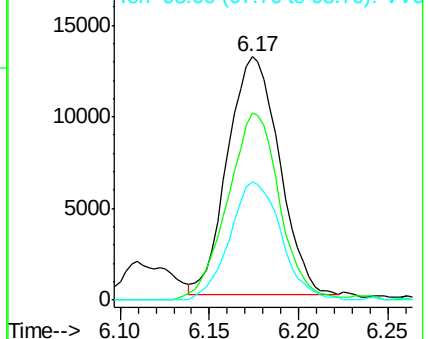
98 49.1 38.0 57.0

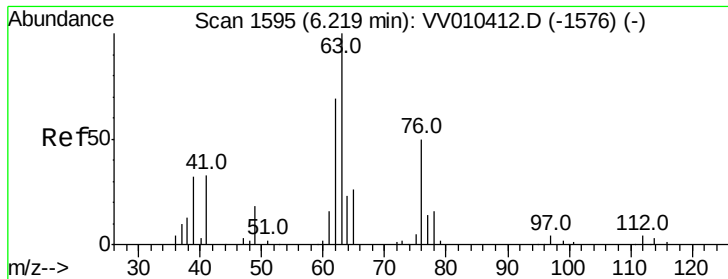


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

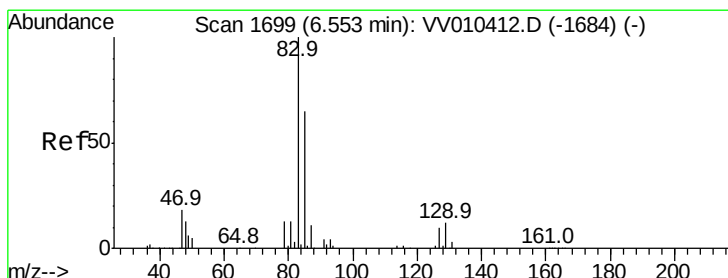
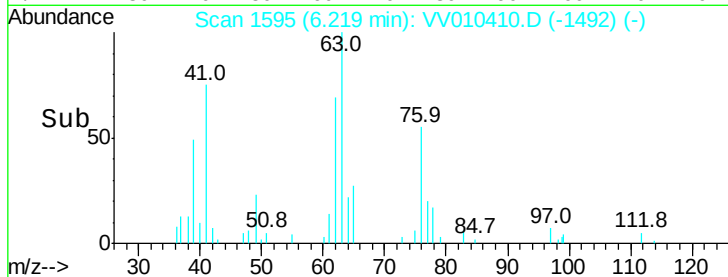
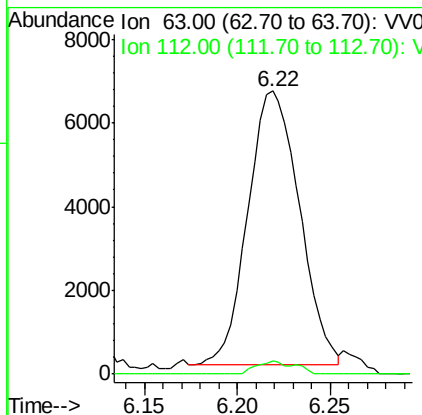
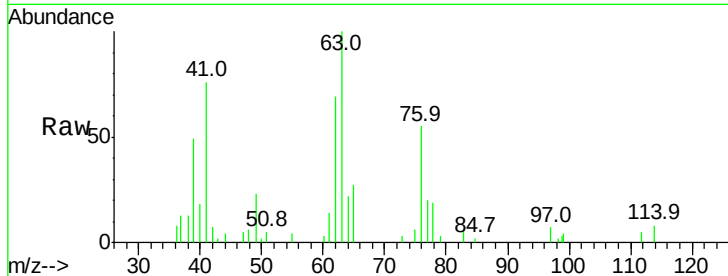




#40
 1,2-Dichloropropane
 Concen: 2.030 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

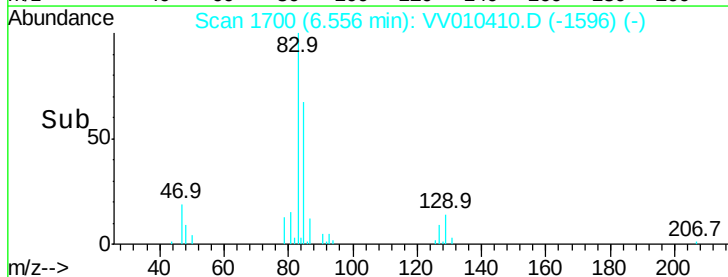
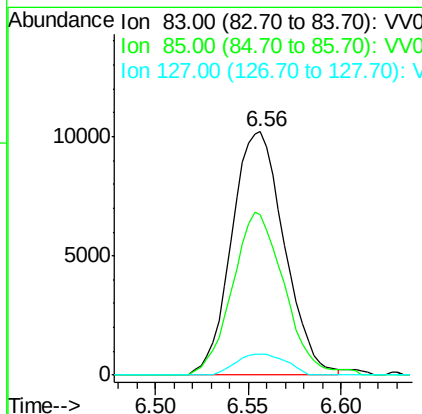
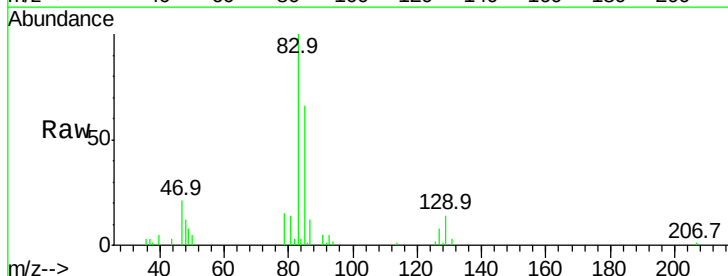
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

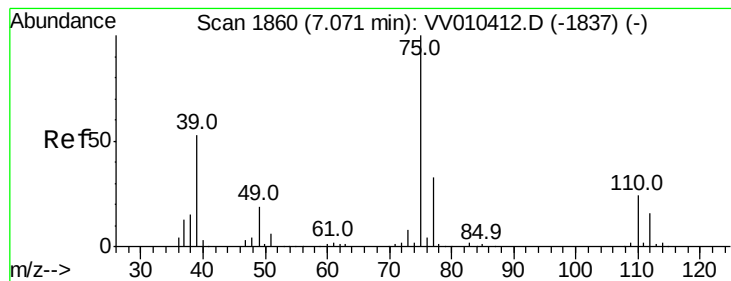
Tgt Ion: 63 Resp: 12693
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.5 5.3#



#41
 Bromodichloromethane
 Concen: 2.286 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion: 83 Resp: 20058
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.1 83.9
 127 8.5 8.2 12.4



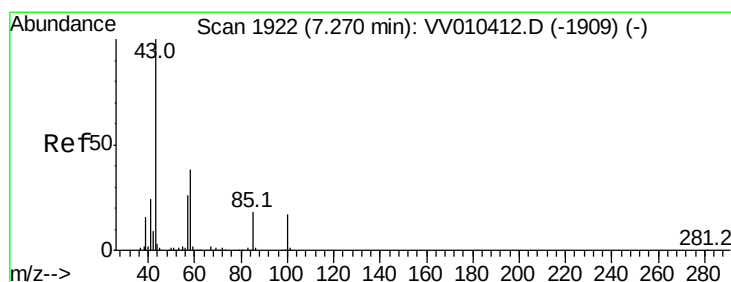
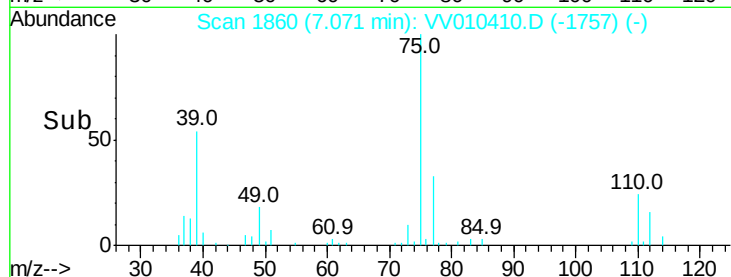
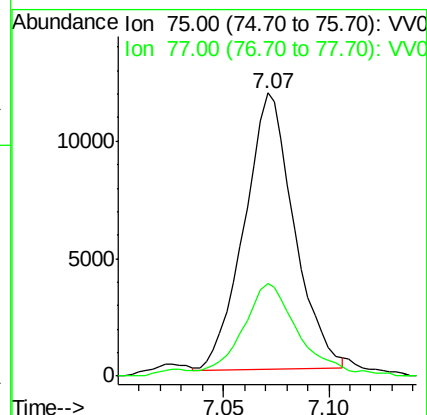
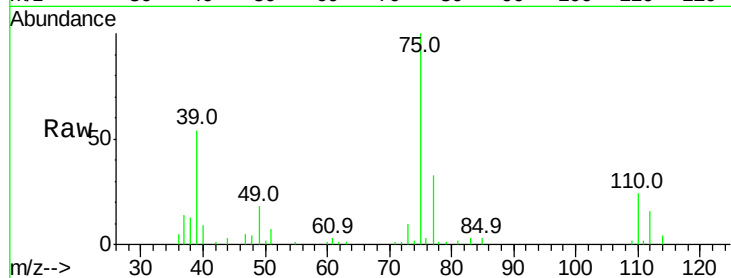


#42

cis-1,3-Dichloropropene
Concen: 2.047 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

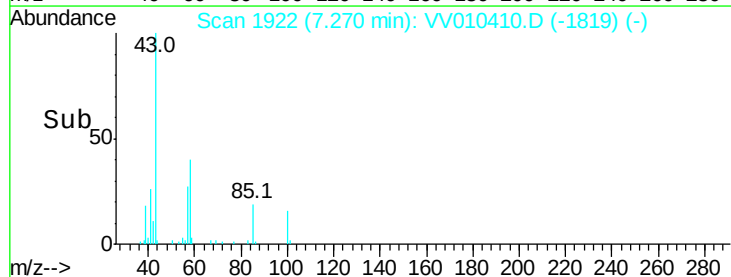
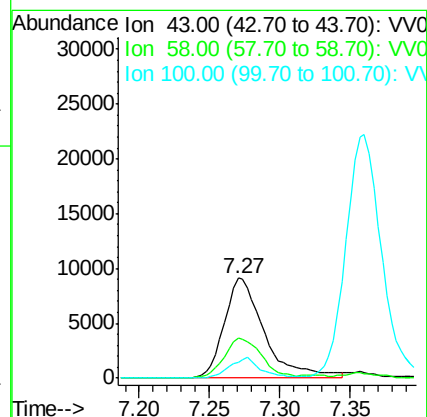
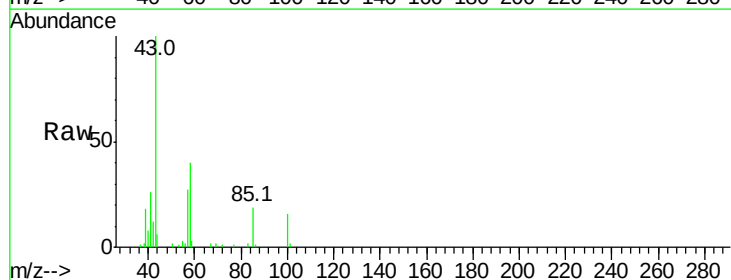
Tgt Ion: 75 Resp: 19310
Ion Ratio Lower Upper
75 100
77 32.9 22.9 42.5

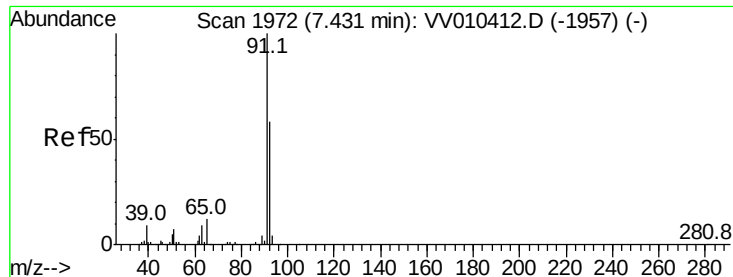


#43

4-Methyl-2-pentanone
Concen: 3.725 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 43 Resp: 18199
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2
100 15.7 12.9 19.3





#44

Toluene

Concen: 2.445 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

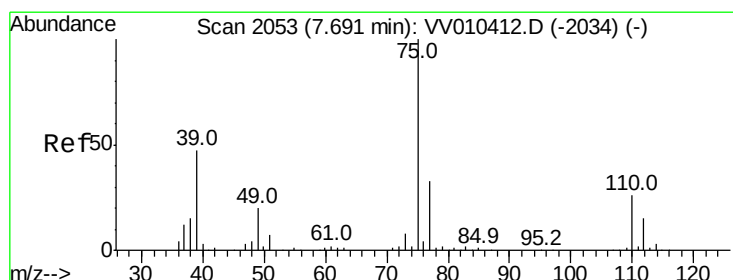
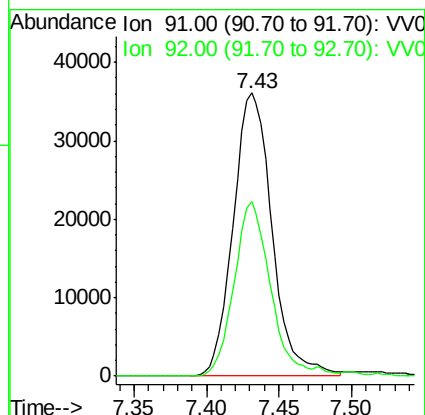
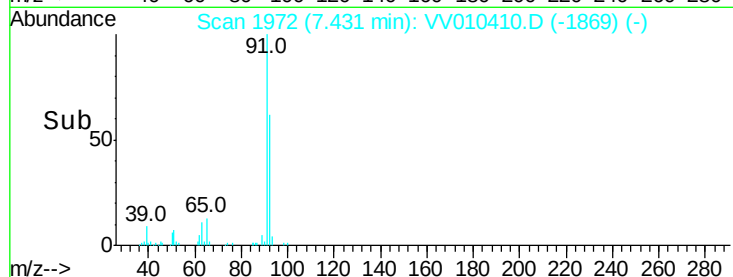
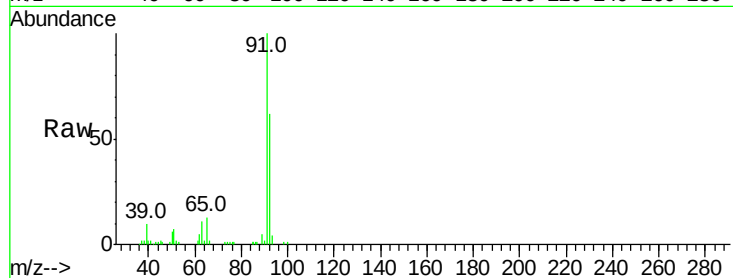
VSTD2.577

Tgt Ion: 91 Resp: 67206

Ion Ratio Lower Upper

91 100

92 61.9 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 2.013 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010410.D

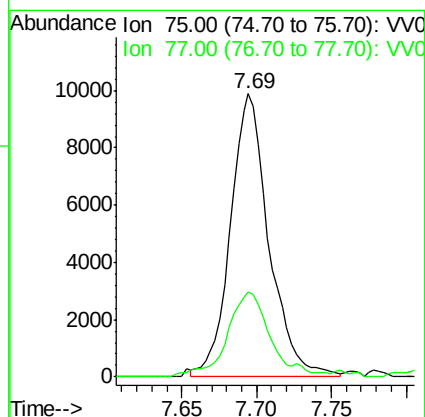
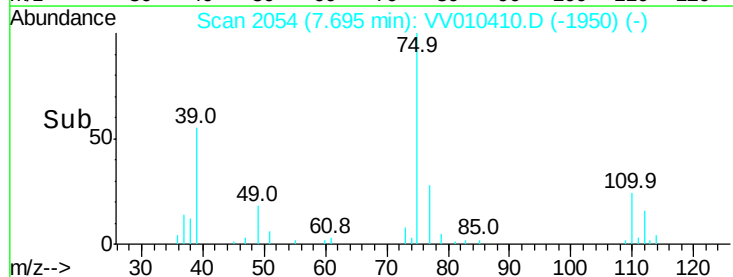
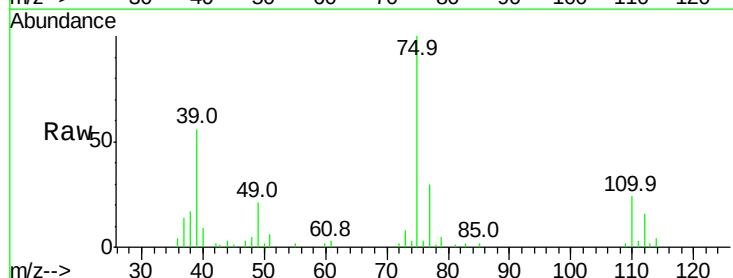
Acq: 22 Apr 2019 12:40

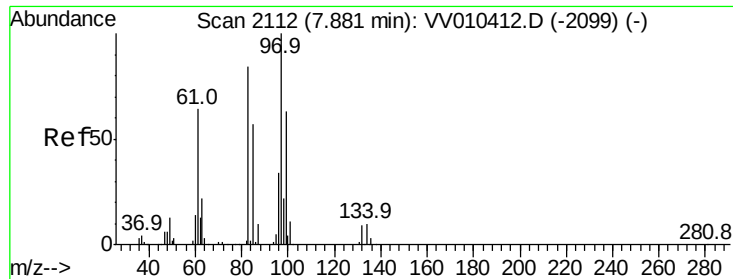
Tgt Ion: 75 Resp: 17697

Ion Ratio Lower Upper

75 100

77 30.1 23.1 42.9

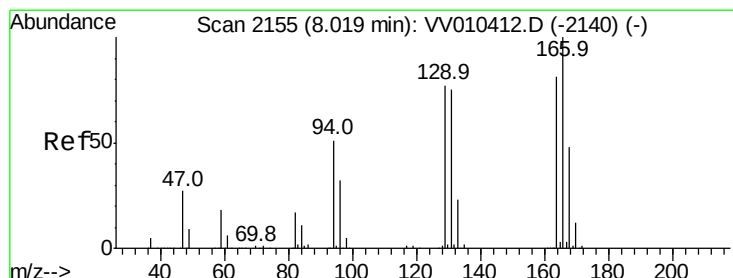
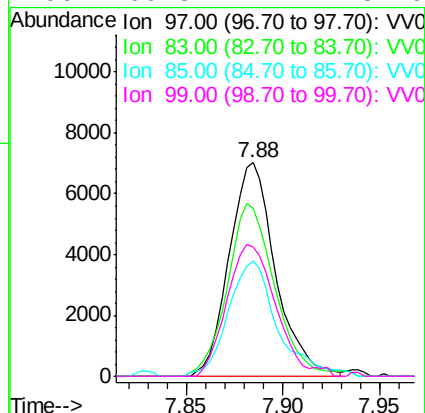
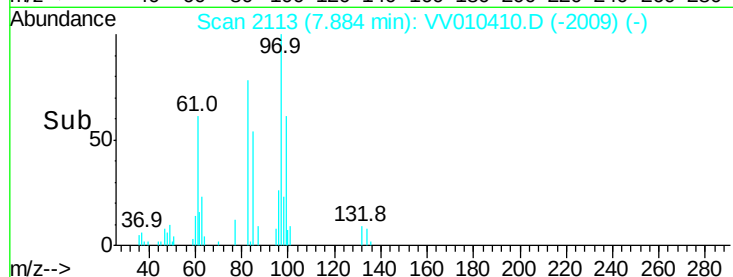
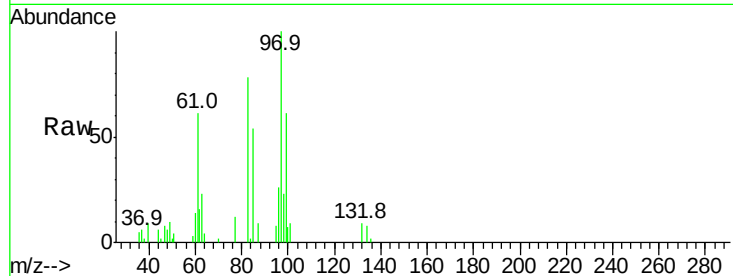




#46
 1,1,2-Trichloroethane
 Concen: 2.073 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

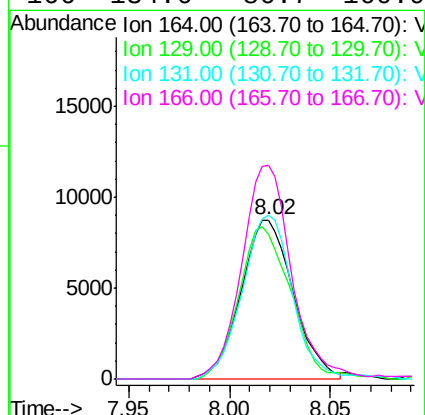
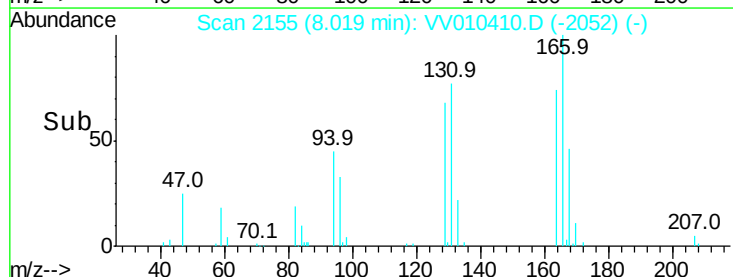
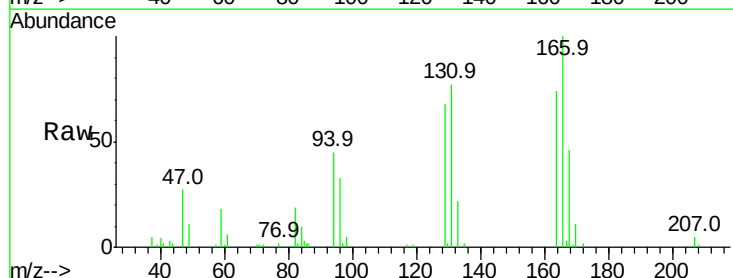
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

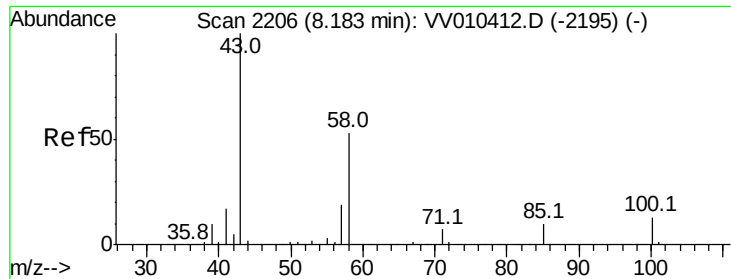
Tgt Ion:	97	Resp:	11681
Ion	Ratio	Lower	Upper
97	100		
83	78.3	58.9	109.3
85	54.2	40.2	74.6
99	60.8	44.1	81.9



#47
 Tetrachloroethene
 Concen: 2.466 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion:	164	Resp:	15872
Ion	Ratio	Lower	Upper
164	100		
129	91.0	67.1	124.5
131	103.4	64.6	120.0
166	134.6	86.7	160.9

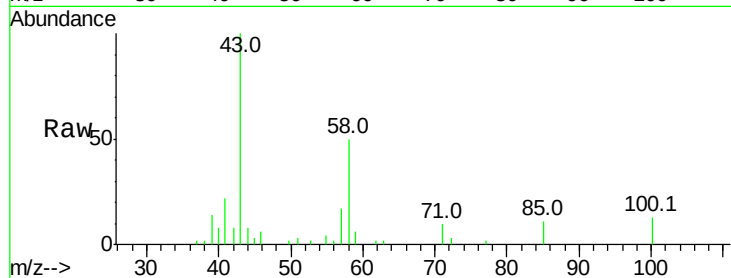




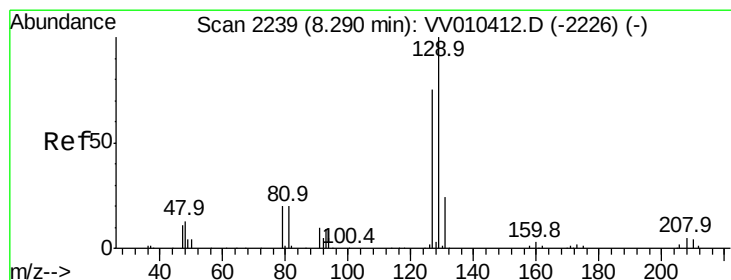
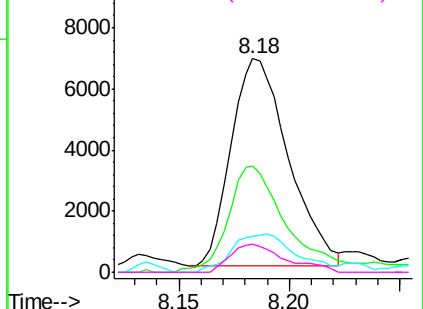
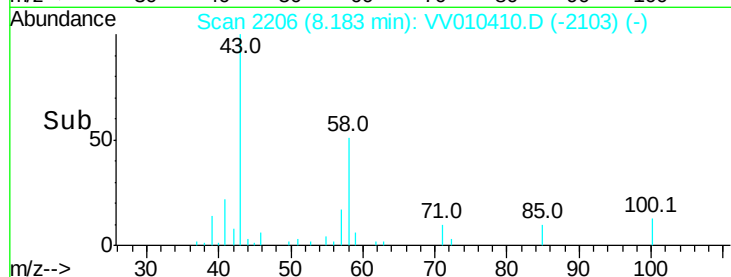
#49
2-Hexanone
Concen: 3.593 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

Tgt Ion: 43 Resp: 12286
Ion Ratio Lower Upper
43 100
58 51.8 37.6 56.4
57 20.6 15.8 23.8
100 13.1 9.2 13.8

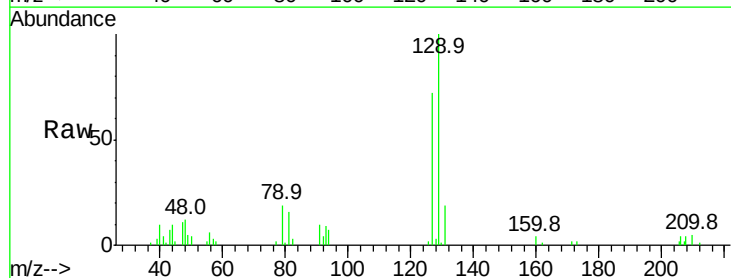


Abundance Ion 43.00 (42.70 to 43.70): VV010410.D (-2103) (-)
Ion 58.00 (57.70 to 58.70): VV010410.D (-2103) (-)
Ion 57.00 (56.70 to 57.70): VV010410.D (-2103) (-)
Ion 100.00 (99.70 to 100.70): VV010410.D (-2103) (-)

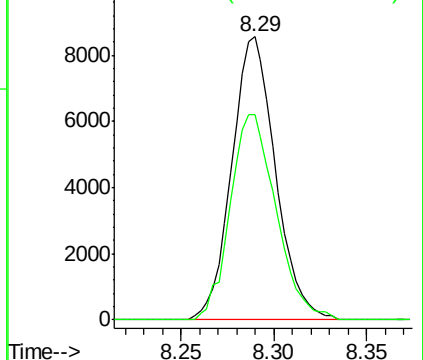
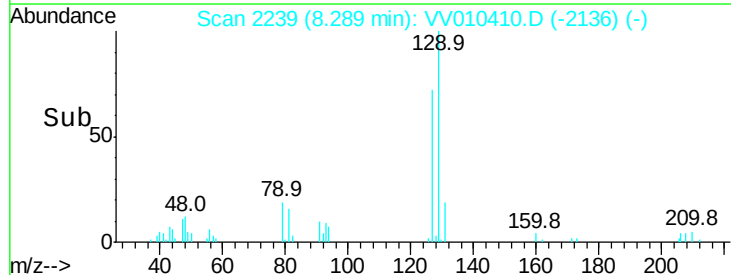


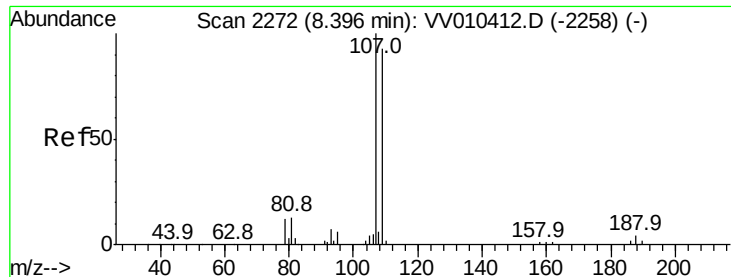
#50
Dibromochloromethane
Concen: 2.027 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 129 Resp: 14019
Ion Ratio Lower Upper
129 100
127 72.4 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): VV010410.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010410.D (-2136) (-)

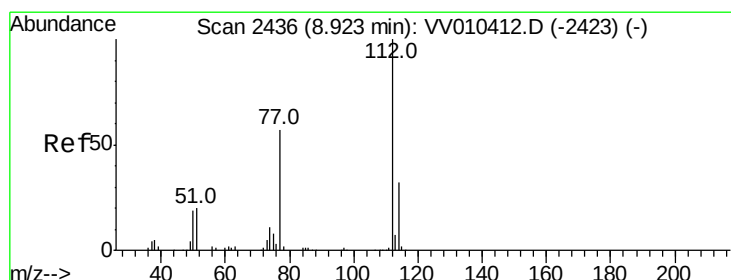
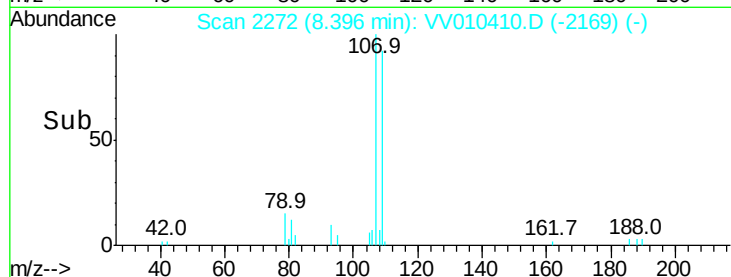
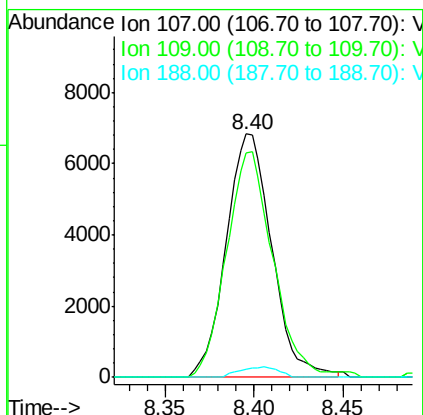
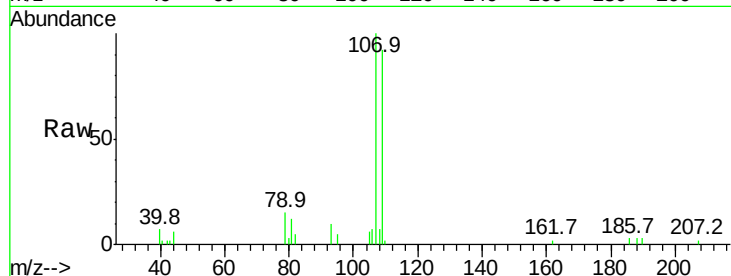




#51
 1,2-Dibromoethane
 Concen: 2.177 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

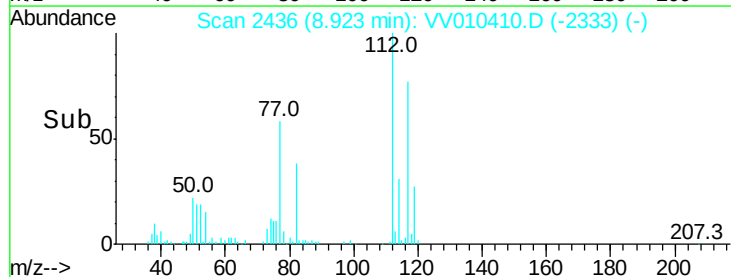
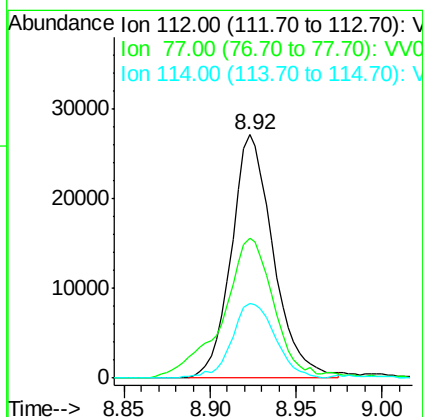
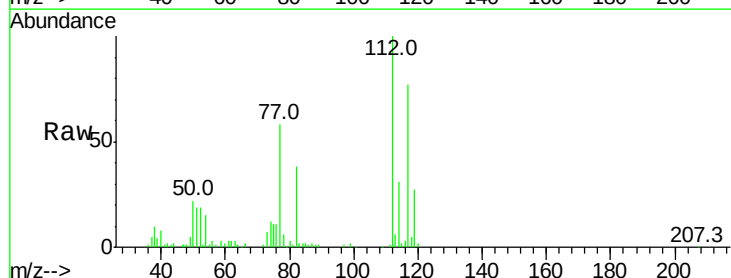
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

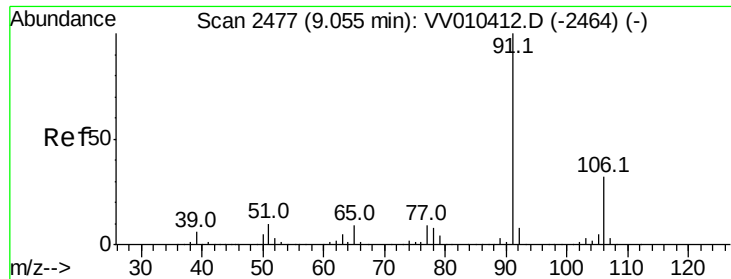
Tgt Ion:107 Resp: 12162
 Ion Ratio Lower Upper
 107 100
 109 91.9 64.9 120.5
 188 3.5 3.0 4.6



#52
 Chlorobenzene
 Concen: 2.405 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion:112 Resp: 45992
 Ion Ratio Lower Upper
 112 100
 77 57.7 46.2 69.2
 114 30.7 22.5 41.7

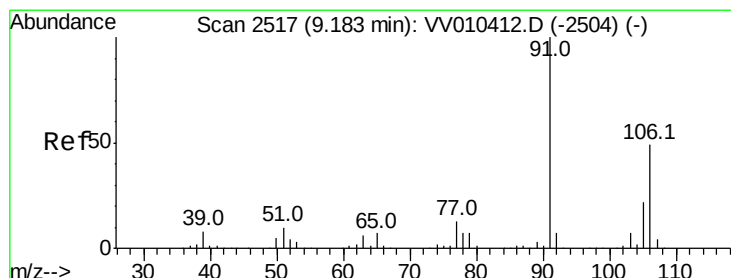
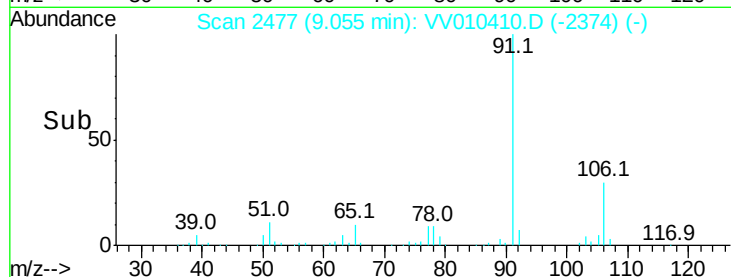
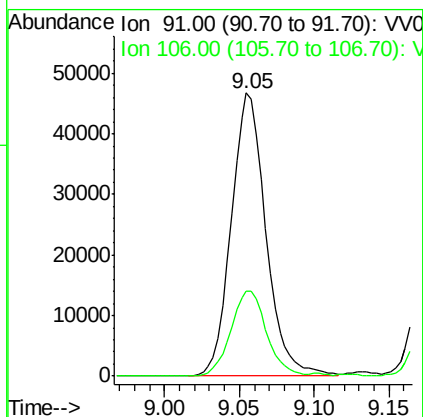
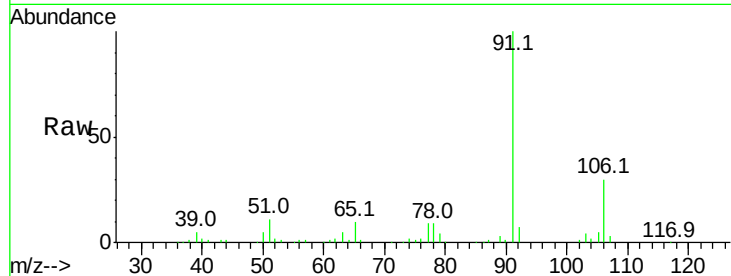




#53
Ethylbenzene
Concen: 2.416 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

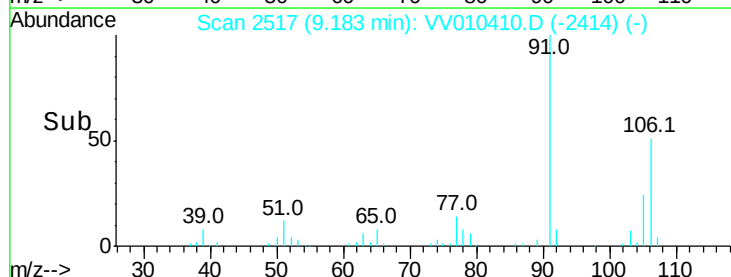
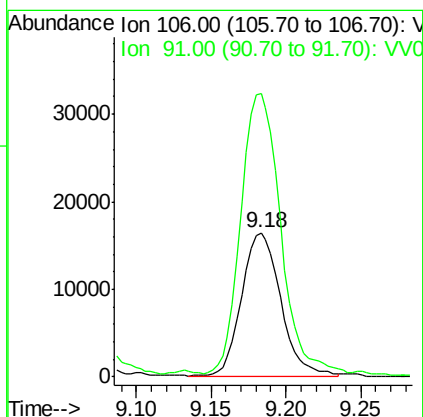
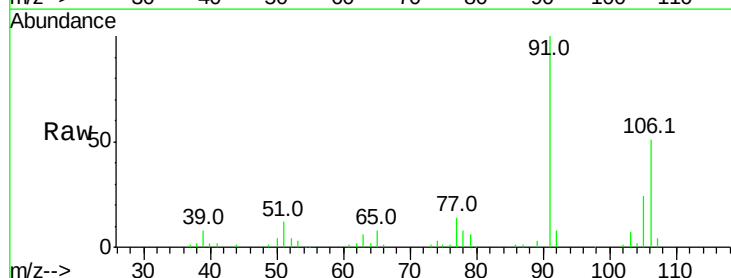
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

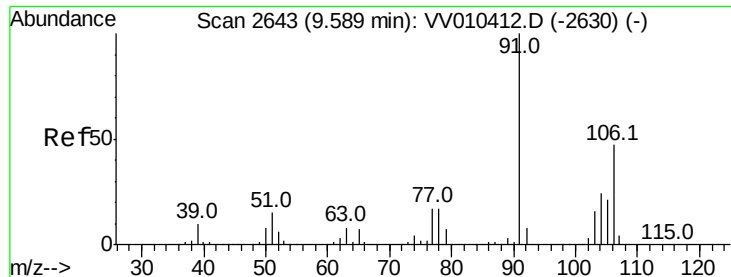
Tgt Ion: 91 Resp: 75435
Ion Ratio Lower Upper
91 100
106 29.8 22.5 41.9



#54
m,p-Xylene
Concen: 2.453 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion: 106 Resp: 29652
Ion Ratio Lower Upper
106 100
91 196.1 142.5 264.7

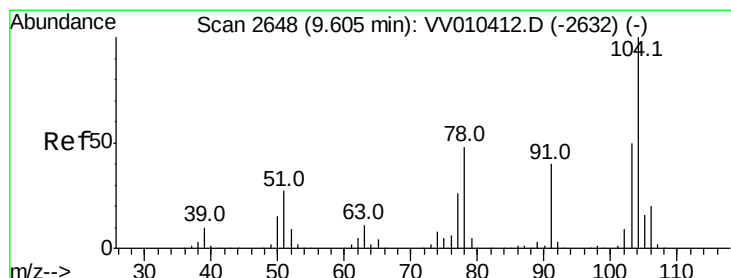
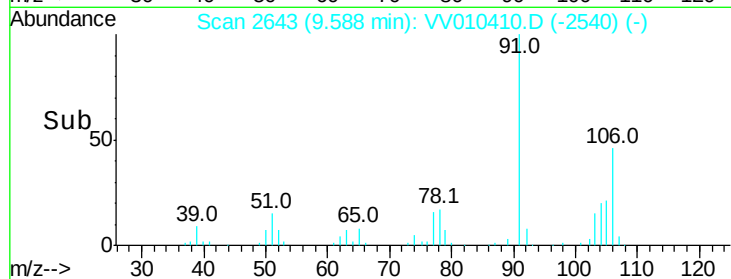
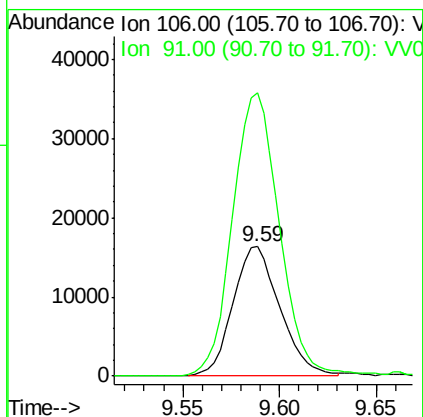
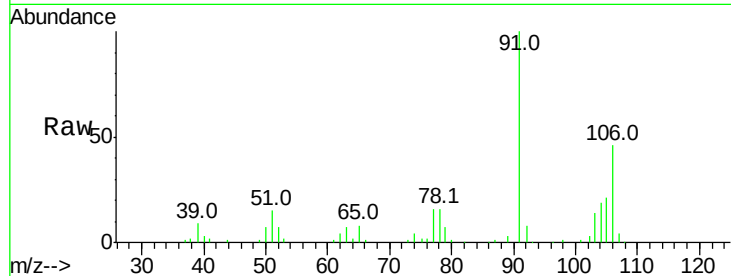




#55
o-xylene
Concen: 2.376 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

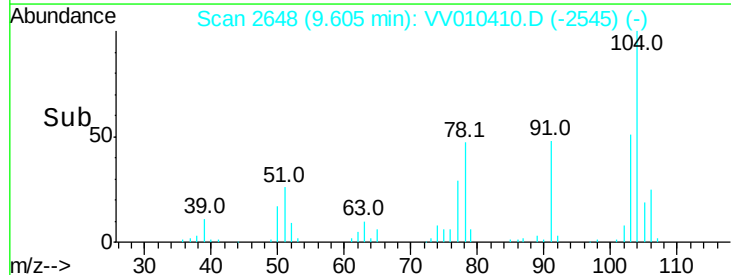
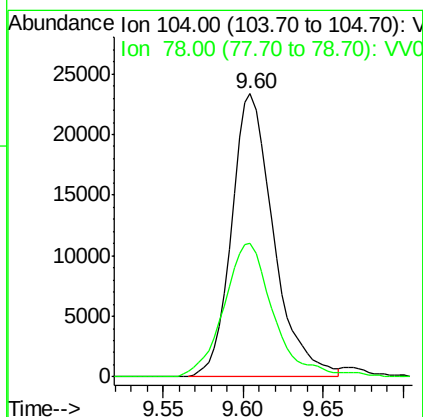
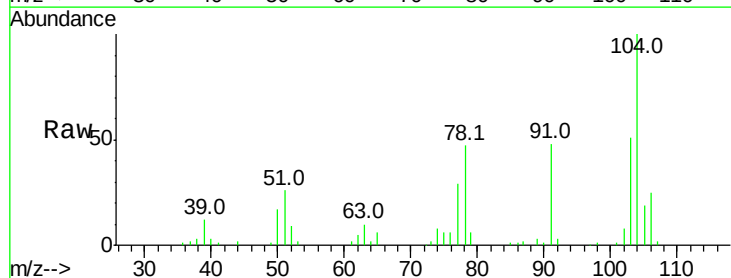
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.577

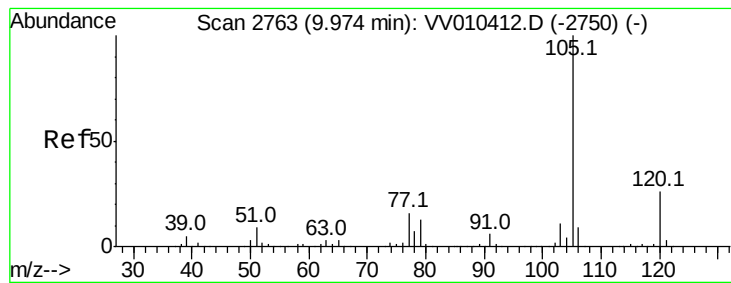
Tgt Ion:106 Resp: 27698
Ion Ratio Lower Upper
106 100
91 218.6 148.5 275.9



#56
Styrene
Concen: 2.100 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010410.D
Acq: 22 Apr 2019 12:40

Tgt Ion:104 Resp: 41799
Ion Ratio Lower Upper
104 100
78 47.1 33.3 61.9





#57

Isopropylbenzene

Concen: 2.519 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

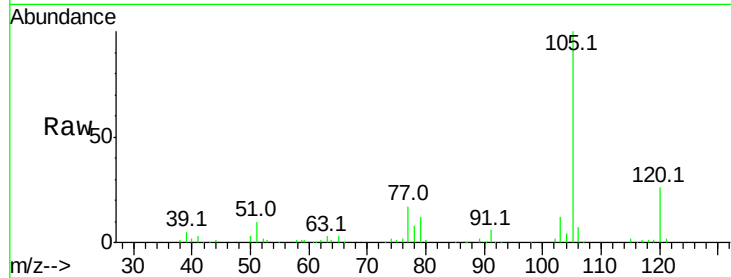
Tgt Ion:105 Resp: 78258

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

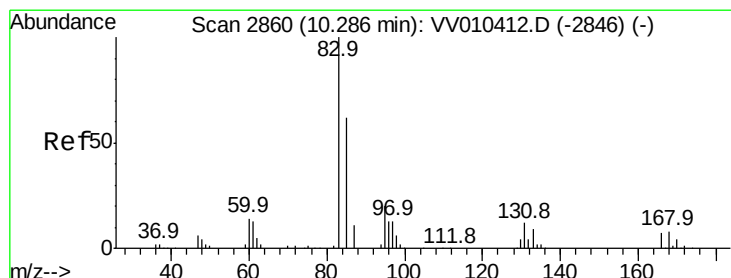
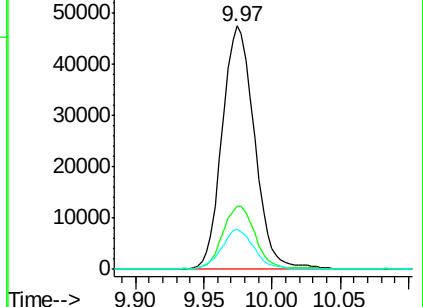
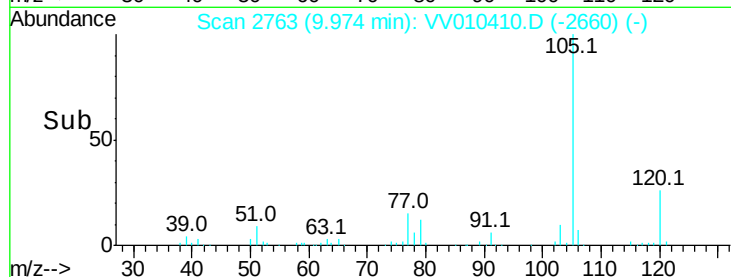
77 16.7 12.9 19.3



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: 1.915 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

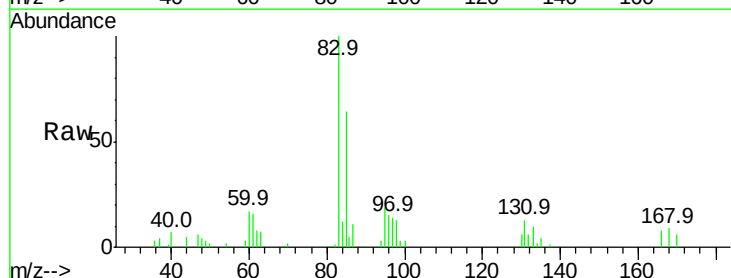
Tgt Ion: 83 Resp: 13953

Ion Ratio Lower Upper

83 100

85 63.8 43.6 81.0

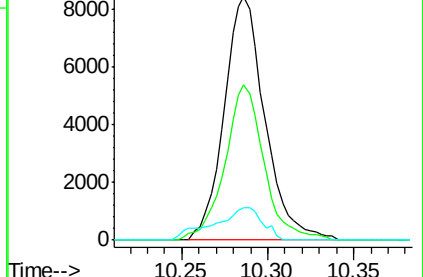
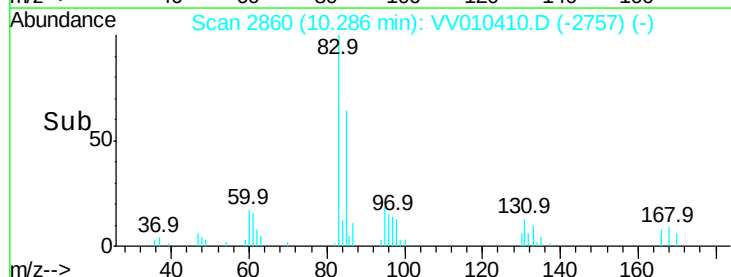
131 13.2 9.8 14.6

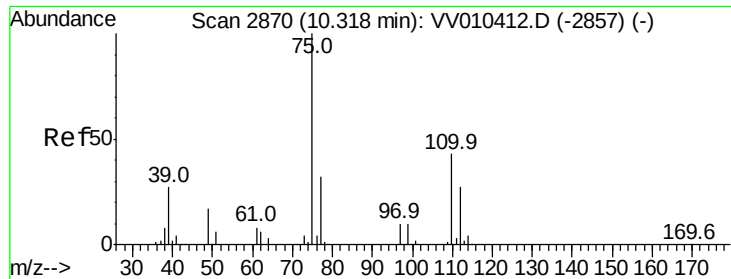


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

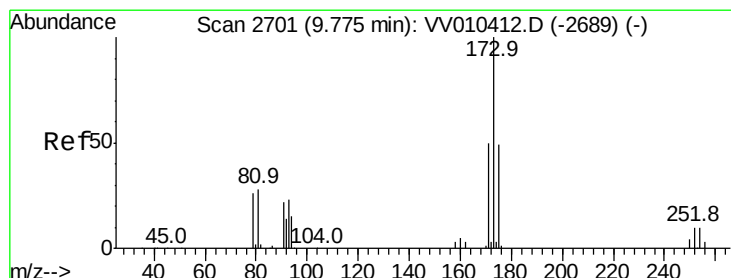
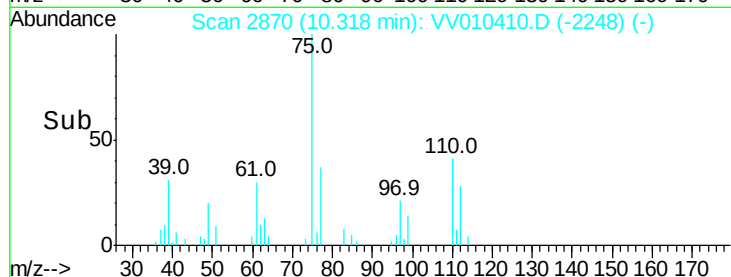
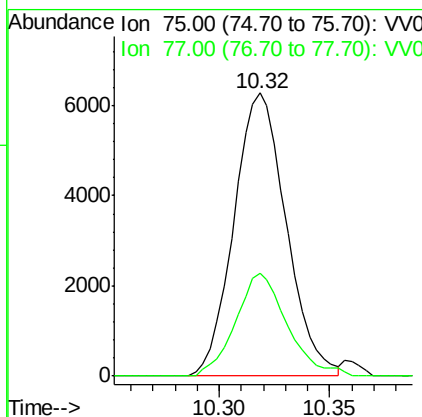
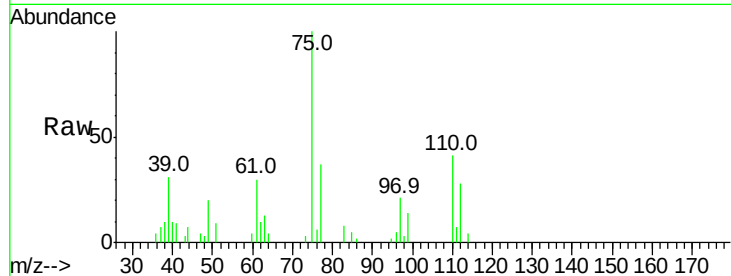




#59
 1,2,3-Trichloropropane
 Concen: 1.963 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

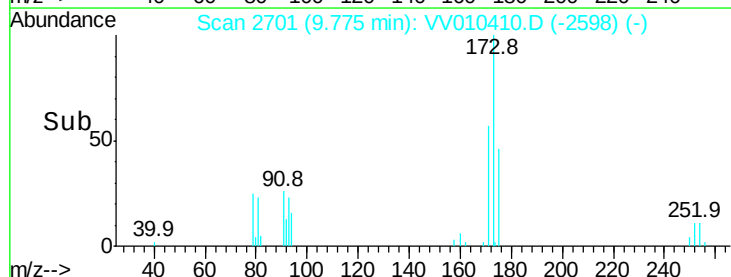
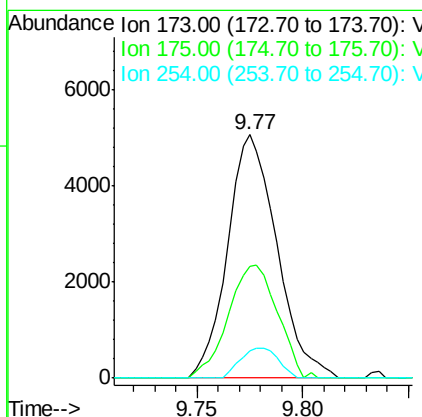
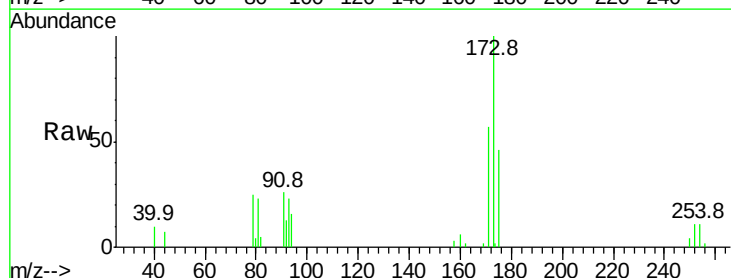
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

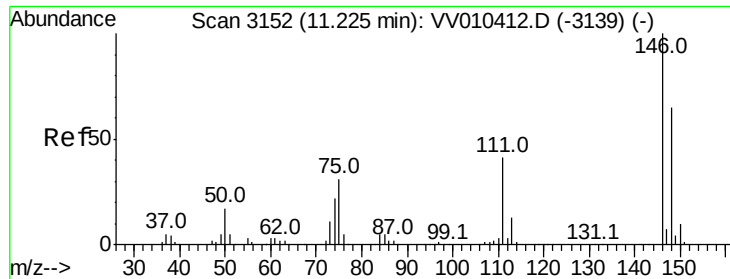
Tgt Ion: 75 Resp: 10356
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.2 39.2



#62
 Bromoform
 Concen: 2.173 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion: 173 Resp: 8215
 Ion Ratio Lower Upper
 173 100
 175 46.3 39.3 58.9
 254 9.6 8.2 12.4

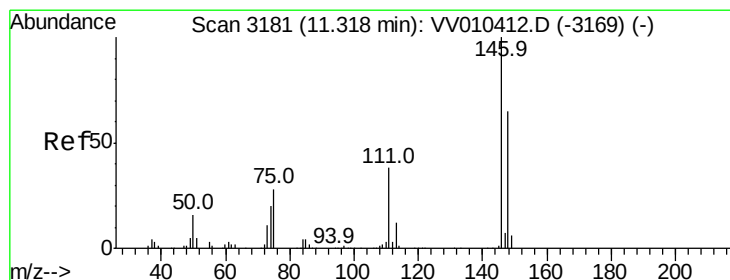
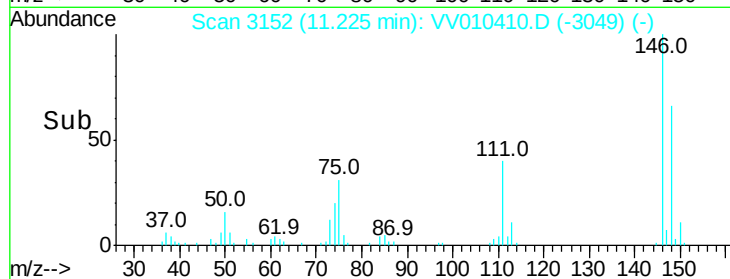
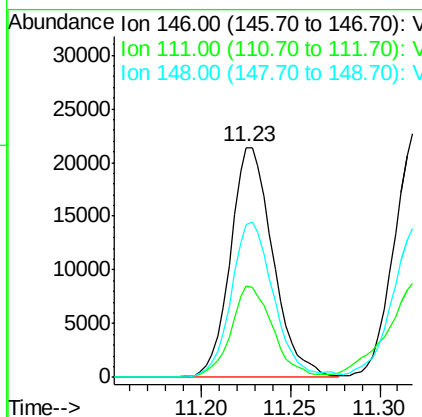
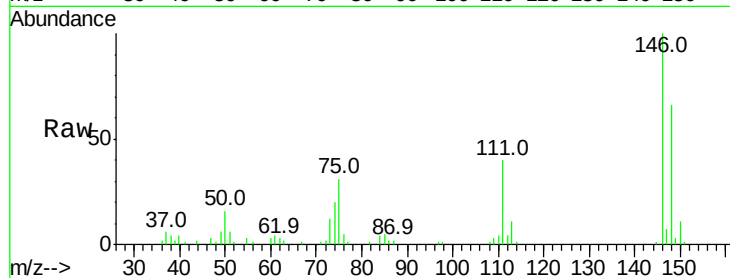




#63
 1,3-Dichlorobenzene
 Concen: 2.384 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

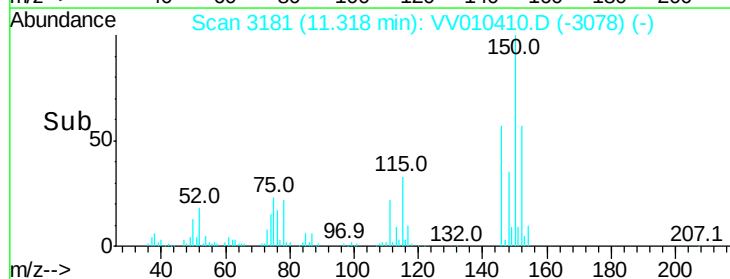
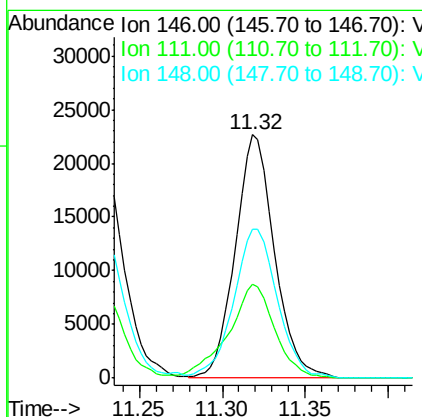
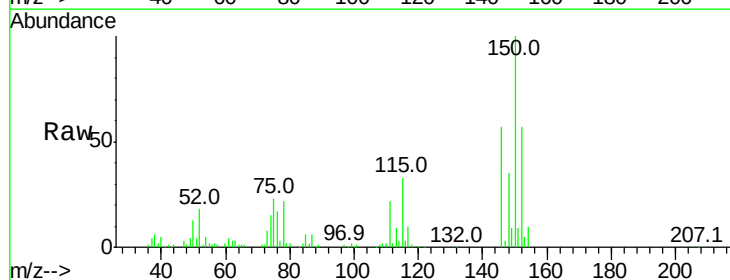
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

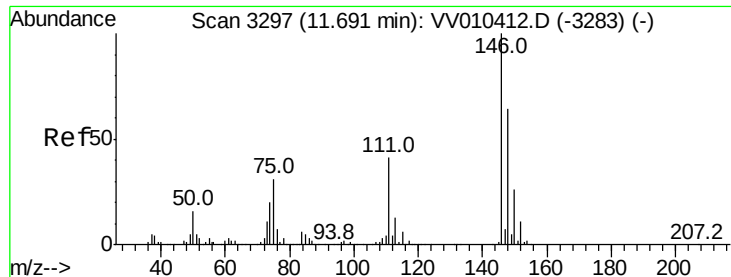
Tgt Ion:146 Resp: 35550
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.8 53.4
 148 66.5 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 2.426 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion:146 Resp: 37299
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 49.9
 148 61.4 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 2.430 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampled :

VSTD2.577

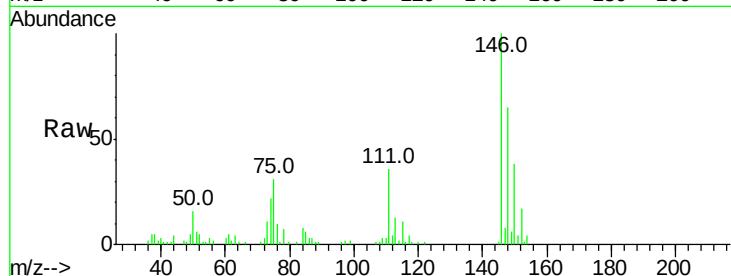
Tgt Ion:146 Resp: 34982

Ion Ratio Lower Upper

146 100

111 36.0 32.9 49.3

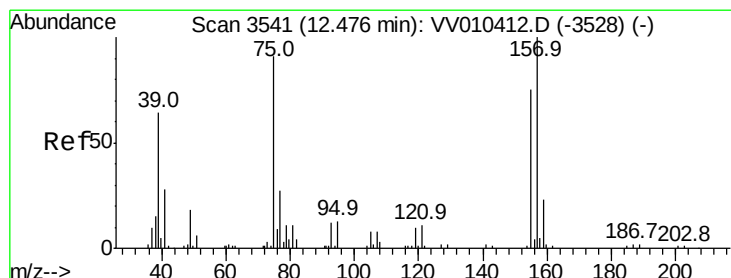
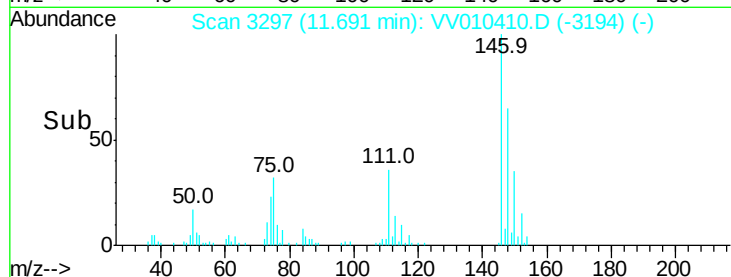
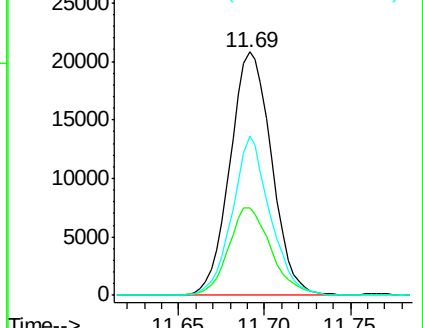
148 65.2 51.4 77.2



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: 1.744 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

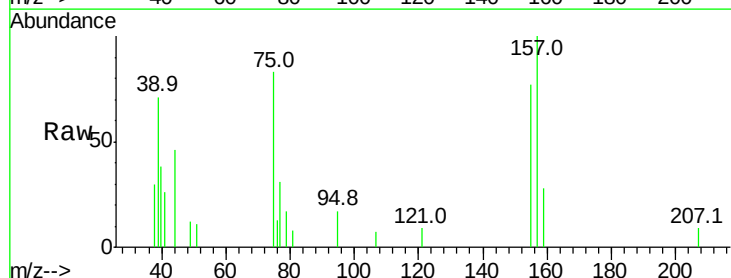
Tgt Ion: 75 Resp: 2007

Ion Ratio Lower Upper

75 100

157 120.7 88.2 132.2

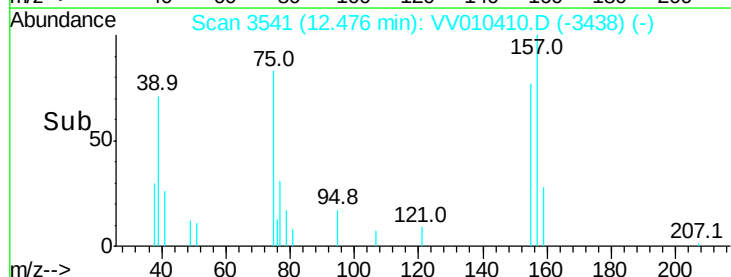
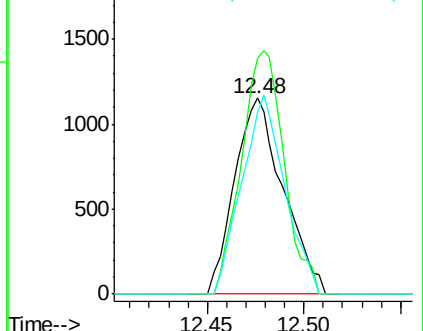
155 93.3 66.4 99.6

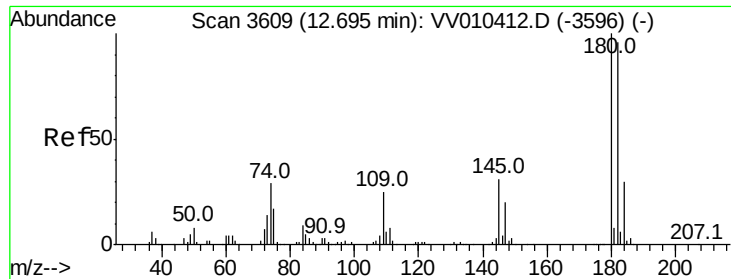


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

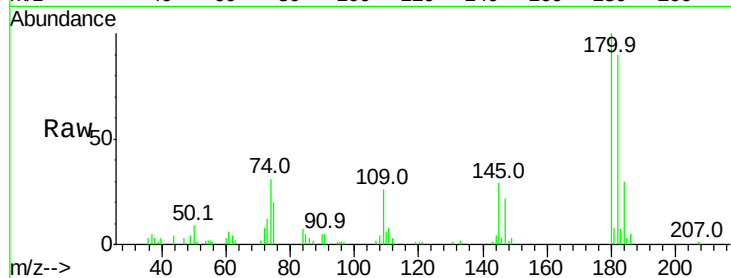




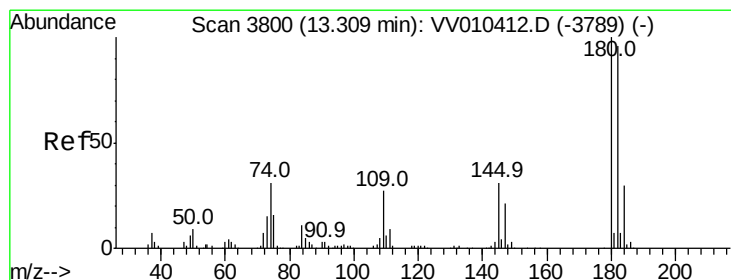
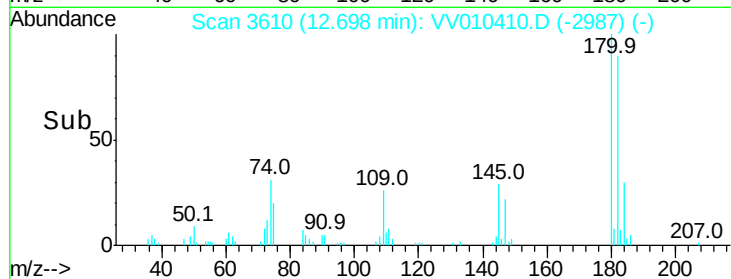
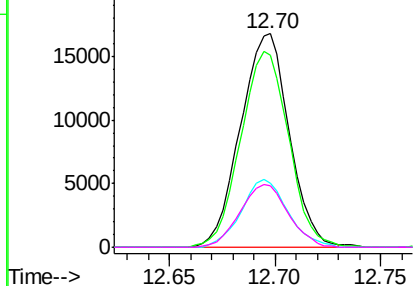
#67
 1,3,5-Trichlorobenzene
 Concen: 2.172 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.577

Tgt Ion:180 Resp: 26939
 Ion Ratio Lower Upper
 180 100
 182 90.5 76.2 114.2
 184 30.5 24.1 36.1
 145 29.2 24.5 36.7

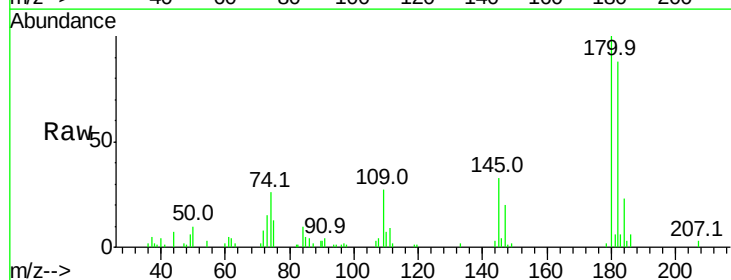


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

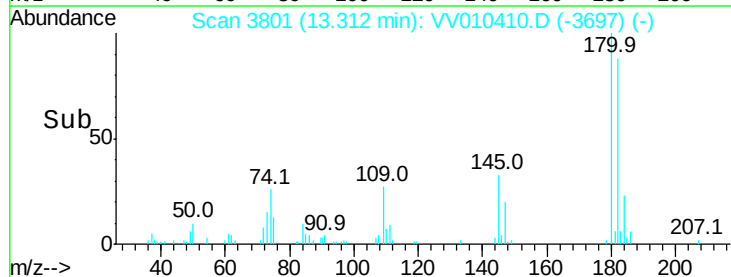
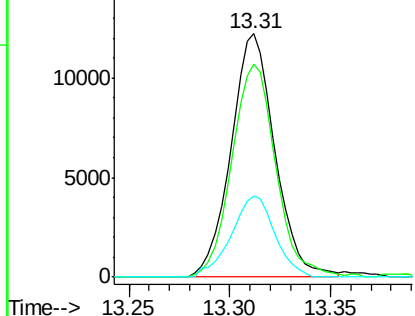


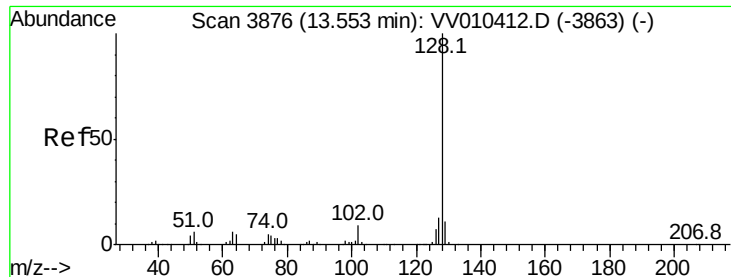
#68
 1,2,4-trichlorobenzene
 Concen: 1.881 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010410.D
 Acq: 22 Apr 2019 12:40

Tgt Ion:180 Resp: 18638
 Ion Ratio Lower Upper
 180 100
 182 87.5 76.3 114.5
 145 32.9 25.1 37.7



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: 1.429 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.577

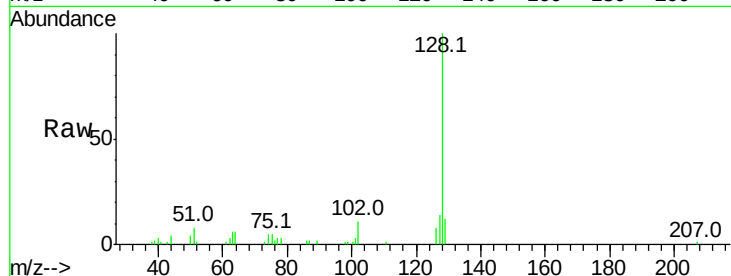
Tgt Ion:128 Resp: 26151

Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

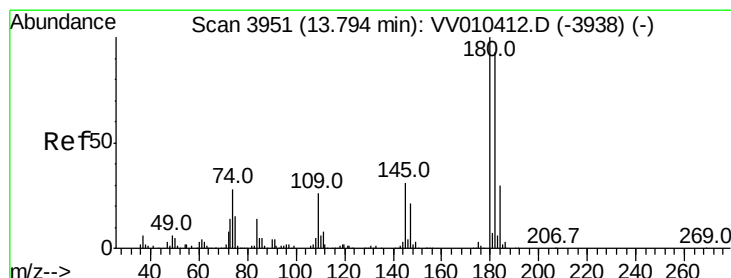
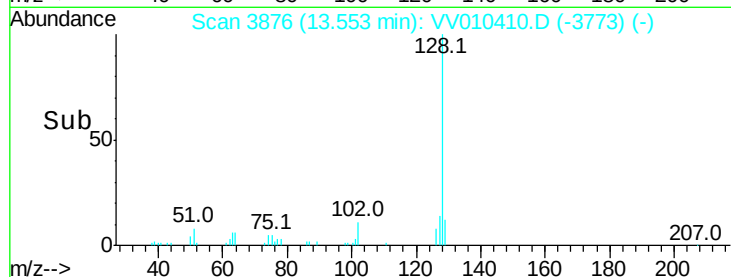
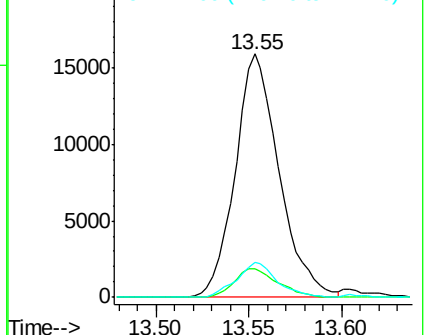
127 13.1 10.2 15.2



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



#70

1,2,3-Trichlorobenzene

Concen: 1.702 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010410.D

Acq: 22 Apr 2019 12:40

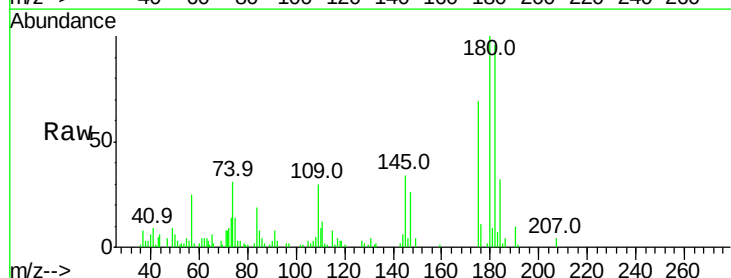
Tgt Ion:180 Resp: 16396

Ion Ratio Lower Upper

180 100

182 93.3 76.6 114.8

145 34.3 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

