

Data File : VV010412.D
Acq On : 22 Apr 2019 13:34
Operator : SY/MD
Sample : VSTD02579
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

Quant Time: Apr 22 14:05:59 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	483443	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	476786	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	256644	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	153948	25.08	ug/L	0.00
7) Chloroethane-d5	1.57	69	123957	24.04	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	291511	19.68	ug/L	0.00
20) 2-Butanone-d5	3.93	46	77068	40.31	ug/L	0.00
24) Chloroform-d	4.40	84	288858	22.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	178714	23.82	ug/L	0.00
29) Benzene-d6	5.10	84	544826	22.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	157074	21.99	ug/L	0.00
37) Toluene-d8	7.36	98	559246	23.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	81012	23.06	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	64218	40.38	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	154420	21.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	239522	23.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	175628	23.950 ug/L	100
3) Chloromethane	1.25	50	142614	22.378 ug/L	100
5) Vinyl chloride	1.32	62	174961	26.281 ug/L	100
6) Bromomethane	1.52	94	105589	24.796 ug/L	100
8) Chloroethane	1.59	64	95031	22.397 ug/L	100
9) Trichlorofluoromethane	1.77	101	300245	21.959 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	167351	23.235 ug/L	100
12) 1,1-Dichloroethene	2.14	96	146899	23.390 ug/L	100
13) Acetone	2.19	43	69368	34.382 ug/L	100
14) Carbon disulfide	2.31	76	315644	20.376 ug/L	100
15) Methyl Acetate	2.46	43	58064	17.631 ug/L	100
16) Methylene chloride	2.53	84	142075	18.399 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	344601	22.785 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	128069	21.497 ug/L	100
19) 1,1-Dichloroethane	3.23	63	234321	23.025 ug/L	100
21) 2-Butanone	4.02	43	84822	38.783 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	148849	21.933 ug/L	100
23) Bromochloromethane	4.30	128	71200	20.962 ug/L	100
25) Chloroform	4.42	83	281305	23.720 ug/L	100
27) 1,2-Dichloroethane	5.18	62	194116	22.909 ug/L	100
30) Cyclohexane	4.72	56	198194	22.681 ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	256745	24.425 ug/L	100
32) Carbon tetrachloride	4.87	117	237159	23.912 ug/L	100
34) Benzene	5.15	78	515908	22.174 ug/L	100
35) Trichloroethene	5.96	95	157864	22.933 ug/L	100
36) Methylcyclohexane	6.18	83	232237	23.169 ug/L	100
40) 1,2-Dichloropropane	6.22	63	135913	22.776 ug/L	100
41) Bromodichloromethane	6.55	83	198259	23.676 ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	226616	25.179 ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	184874	39.653 ug/L	100

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	610336	23.269	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	200311	23.871	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	115536	21.491	ug/L	100
47) Tetrachloroethene	8.02	164	138463	22.543	ug/L	100
49) 2-Hexanone	8.18	43	138606	42.473	ug/L	100
50) Dibromochloromethane	8.29	129	155654	23.581	ug/L	100
51) 1,2-Dibromoethane	8.40	107	114025	21.387	ug/L	100
52) Chlorobenzene	8.92	112	426600	23.375	ug/L	100
53) Ethylbenzene	9.05	91	720735	24.186	ug/L	100
54) m,p-Xylene	9.18	106	281995	24.446	ug/L	100
55) o-xylene	9.59	106	278739	25.055	ug/L	100
56) Styrene	9.60	104	465143	24.486	ug/L	100
57) Isopropylbenzene	9.97	105	759386	25.617	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	143485	20.640	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	107211	21.298	ug/L	100
62) Bromoform	9.78	173	90409	22.787	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	365084	23.325	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	369872	22.920	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	347281	22.981	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24345	20.158	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	296552	22.780	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	226767	21.797	ug/L	100
69) Naphthalene	13.55	128	357498	18.608	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	211597	20.931	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

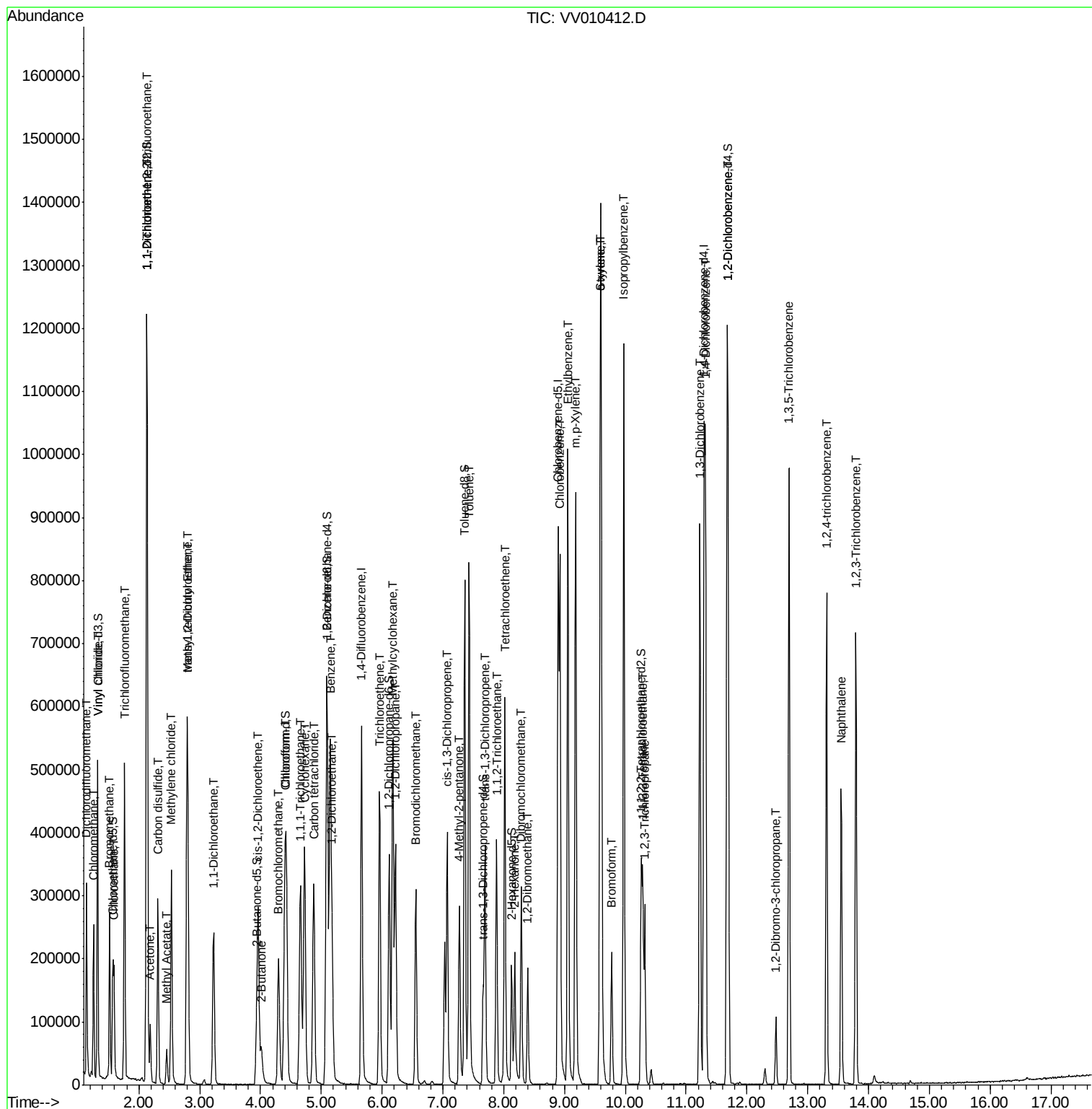
Quant Time: Apr 22 14:05:59 2019

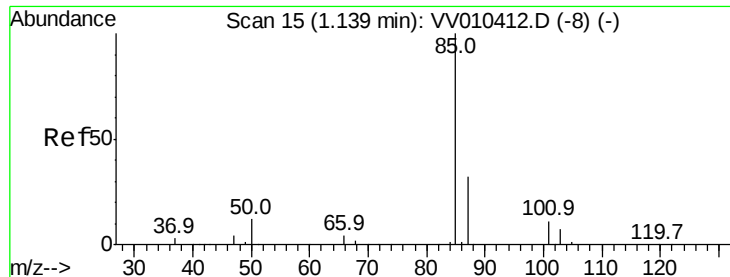
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM042219S.M

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#2

Dichlorodifluoromethane

Concen: 23.950 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

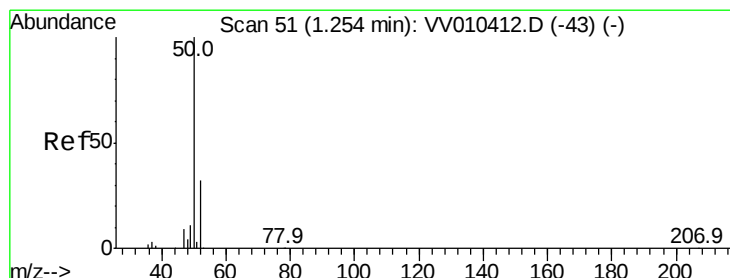
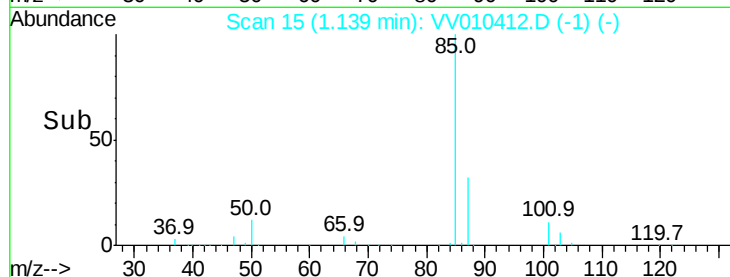
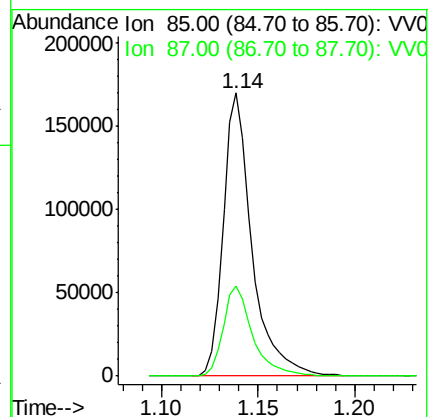
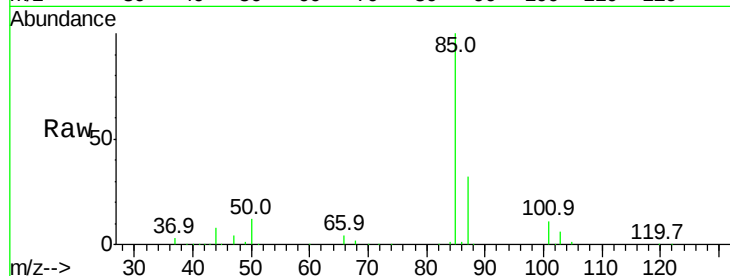
VSTD02579

Tgt Ion: 85 Resp: 175628

Ion Ratio Lower Upper

85 100

87 32.8 23.0 42.6



#3

Chloromethane

Concen: 22.378 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010412.D

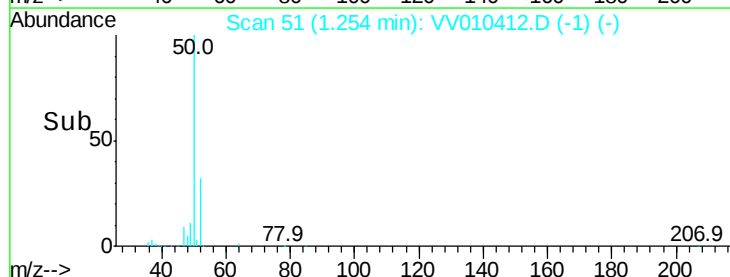
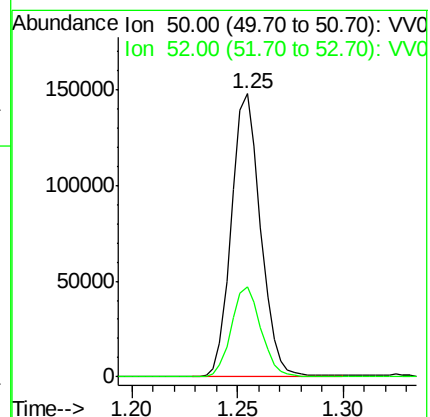
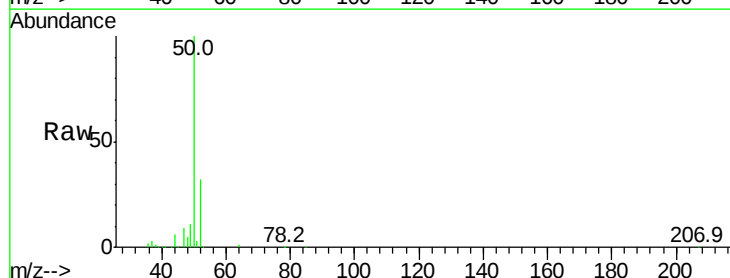
Acq: 22 Apr 2019 13:34

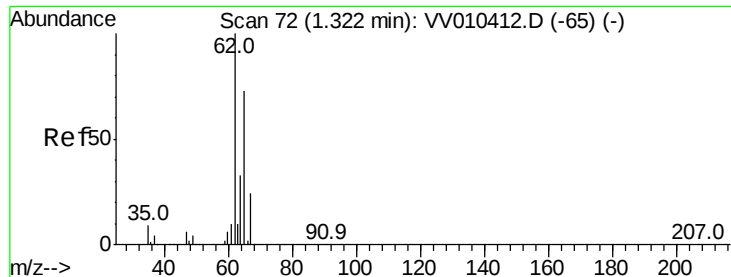
Tgt Ion: 50 Resp: 142614

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.5





#5

Vinyl chloride

Concen: 26.281 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

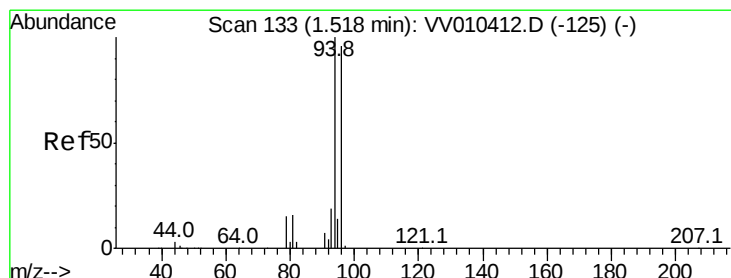
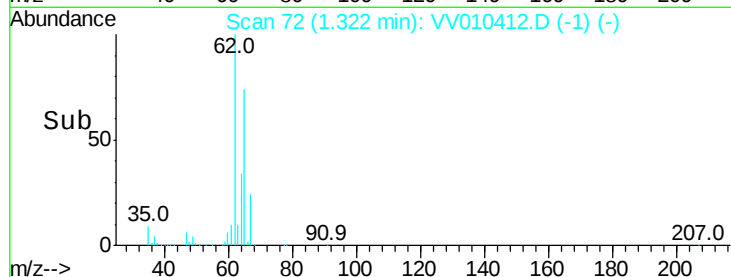
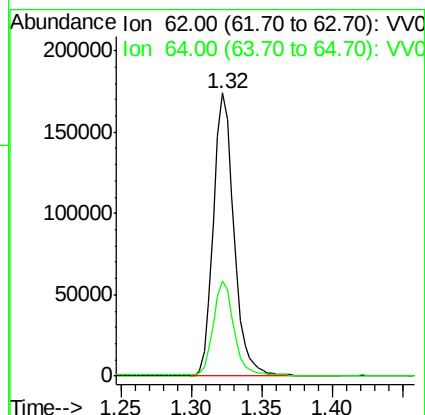
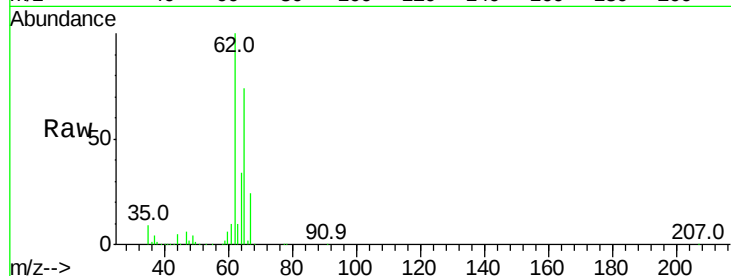
VSTD02579

Tgt Ion: 62 Resp: 174961

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 24.796 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV010412.D

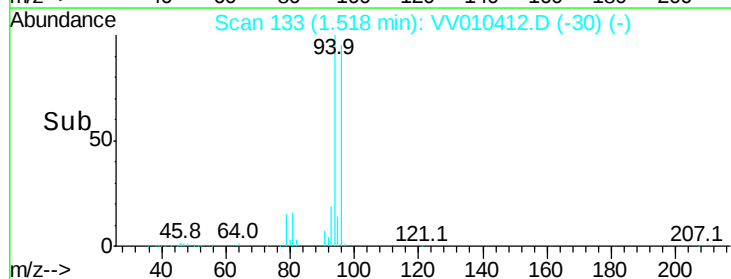
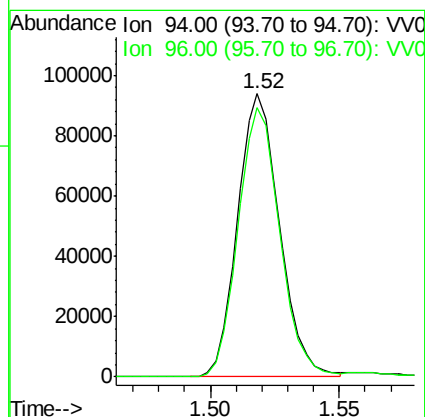
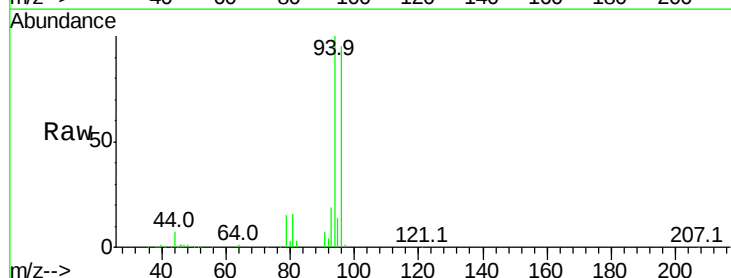
Acq: 22 Apr 2019 13:34

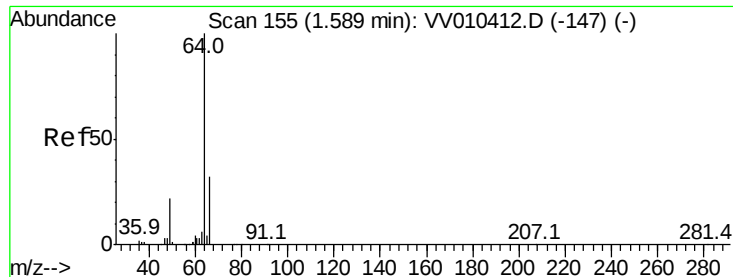
Tgt Ion: 94 Resp: 105589

Ion Ratio Lower Upper

94 100

96 94.9 9.5 180.3





#8

Chloroethane

Concen: 22.397 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

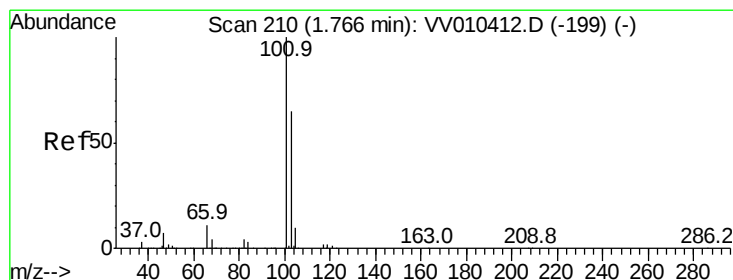
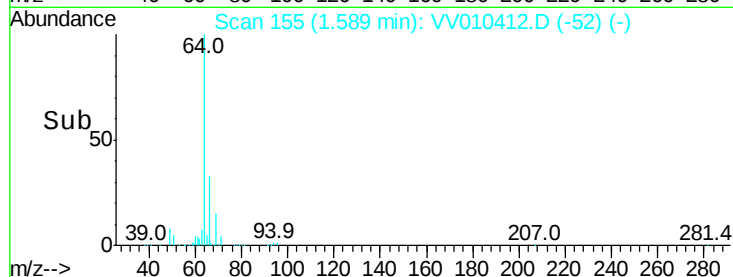
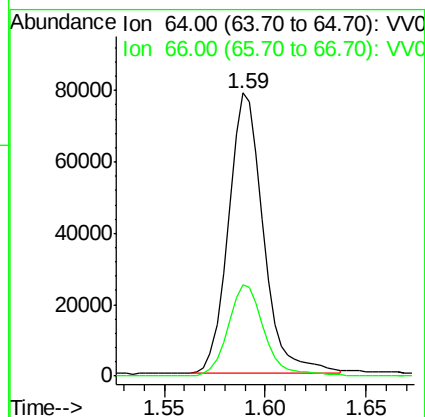
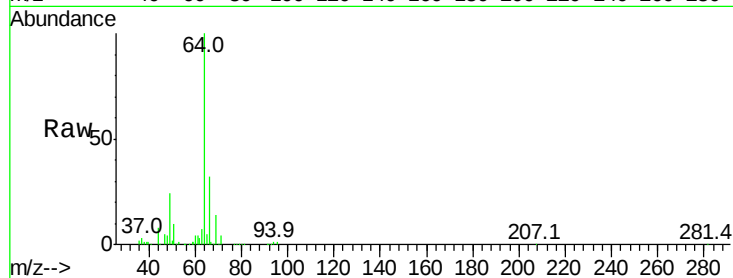
VSTD02579

Tgt Ion: 64 Resp: 95031

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 21.959 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010412.D

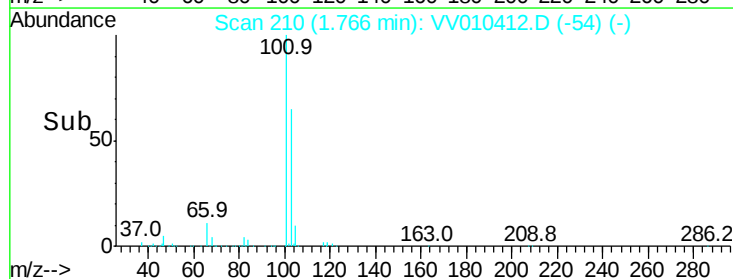
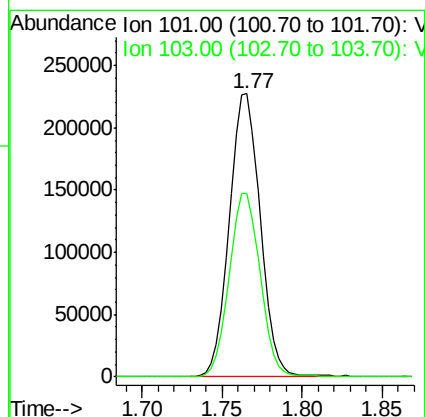
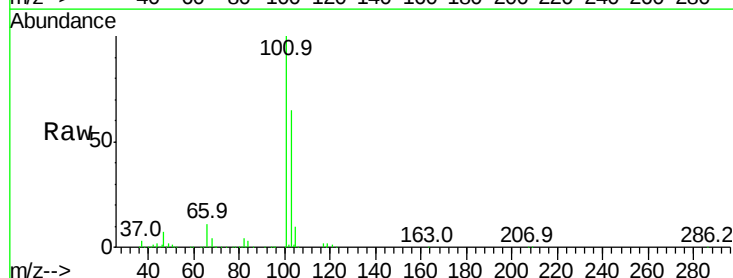
Acq: 22 Apr 2019 13:34

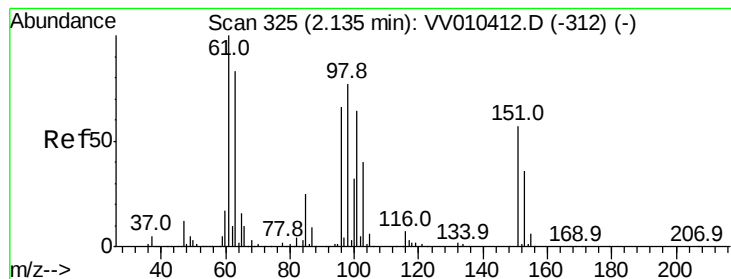
Tgt Ion: 101 Resp: 300245

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 23.235 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampled :

VSTD02579

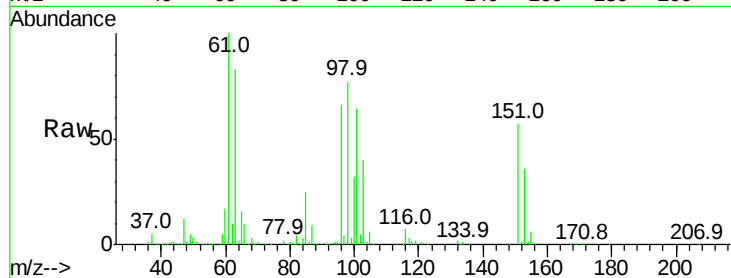
Tgt Ion:101 Resp: 167351

Ion Ratio Lower Upper

101 100

85 39.7 31.8 47.6

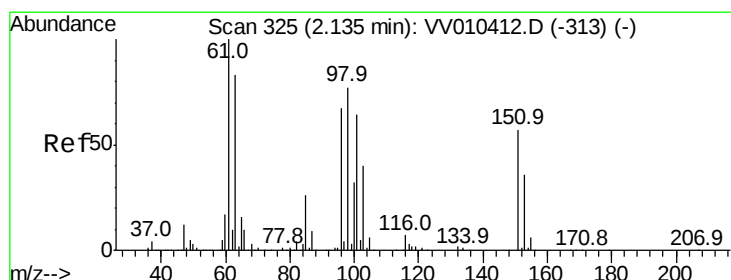
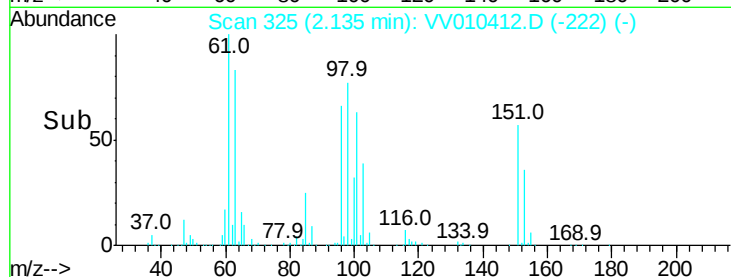
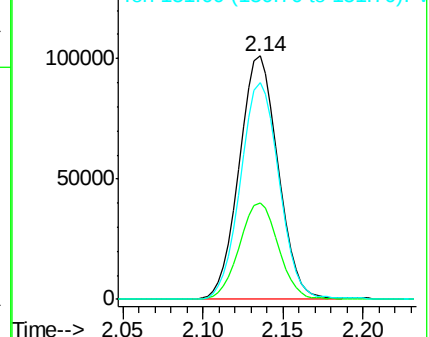
151 88.6 70.9 106.3



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: 23.390 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

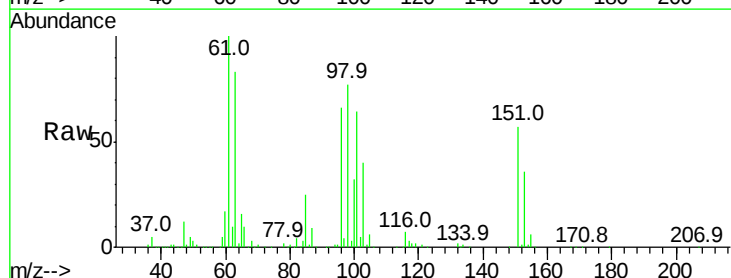
Tgt Ion: 96 Resp: 146899

Ion Ratio Lower Upper

96 100

61 150.4 105.3 195.5

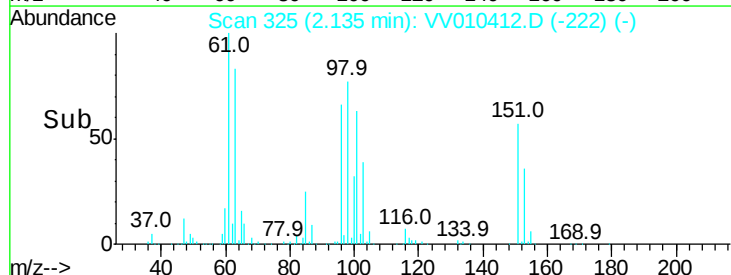
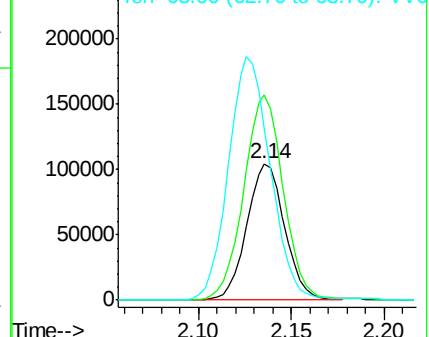
63 125.5 87.8 163.2

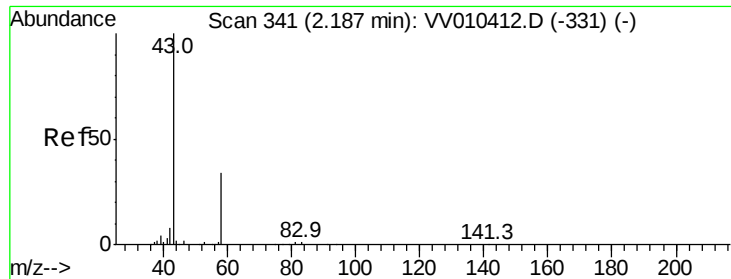


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 34.382 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

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ClientSampleId :

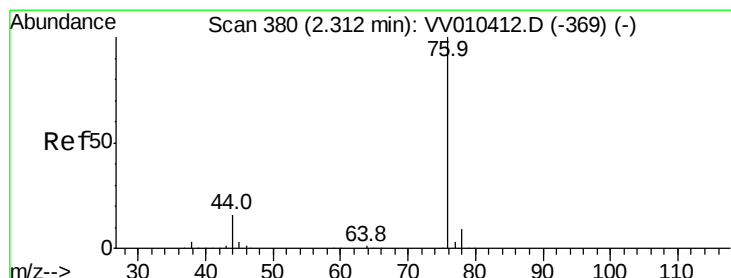
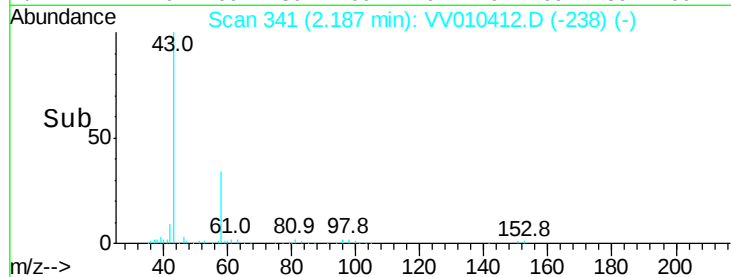
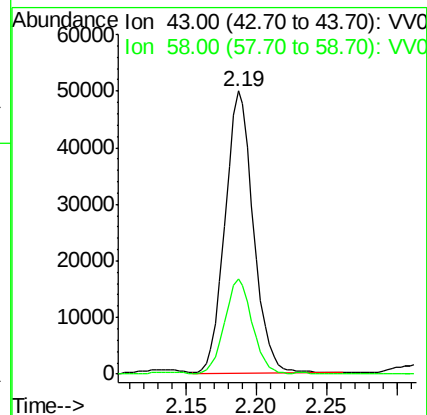
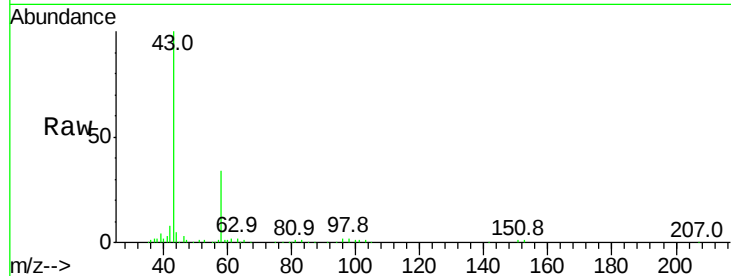
VSTD02579

Tgt Ion: 43 Resp: 69368

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.4



#14

Carbon disulfide

Concen: 20.376 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010412.D

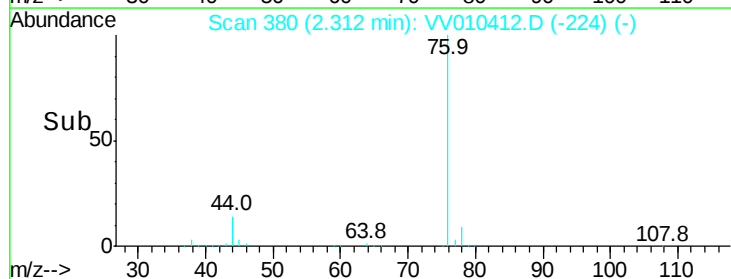
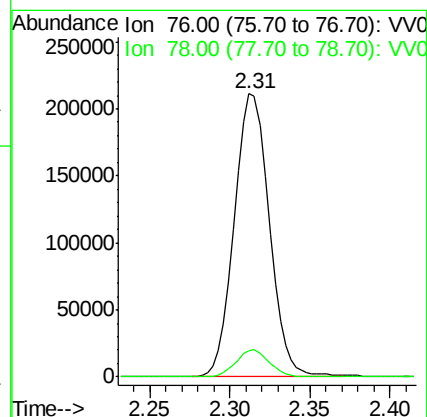
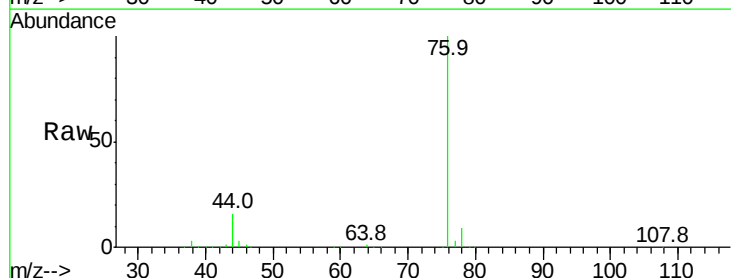
Acq: 22 Apr 2019 13:34

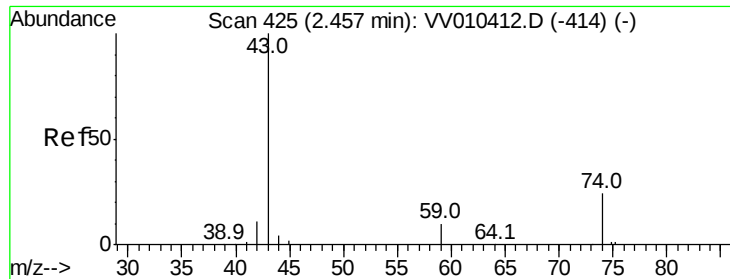
Tgt Ion: 76 Resp: 315644

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

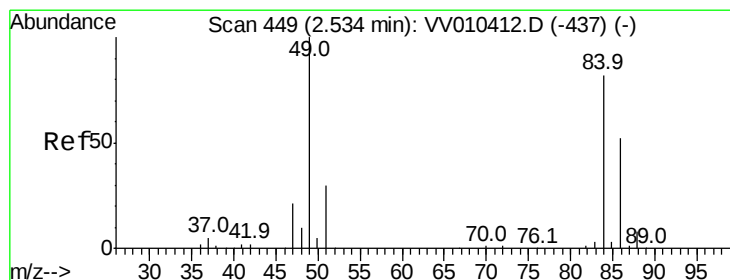
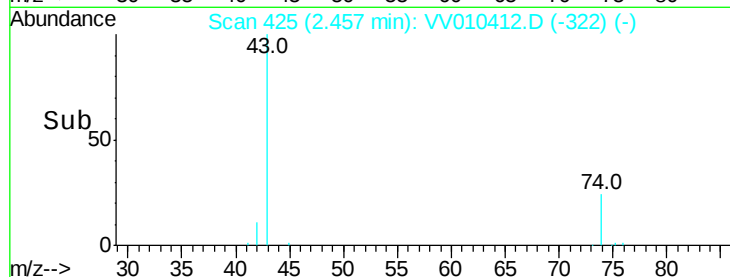
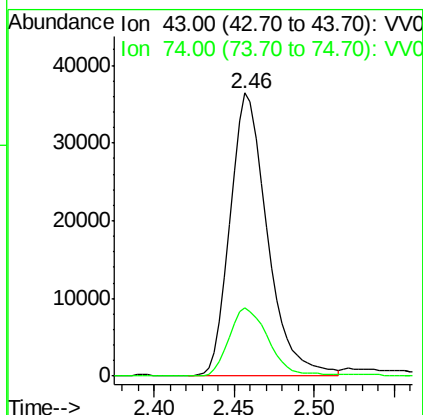
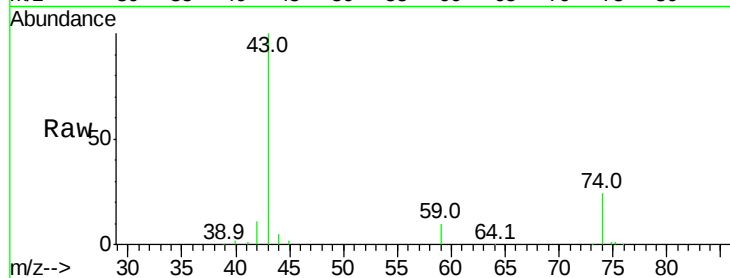




#15
Methyl Acetate
Concen: 17.631 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

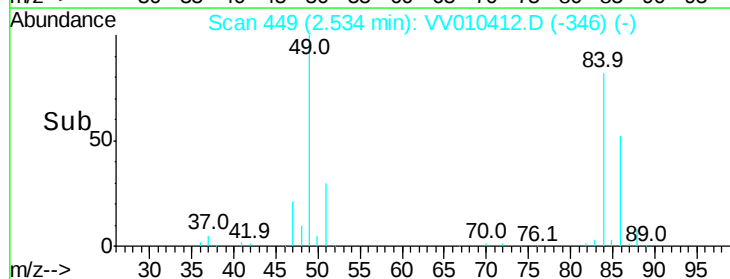
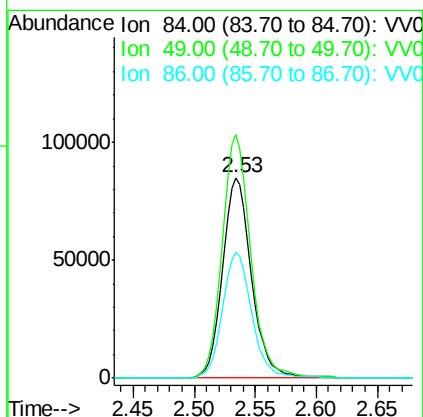
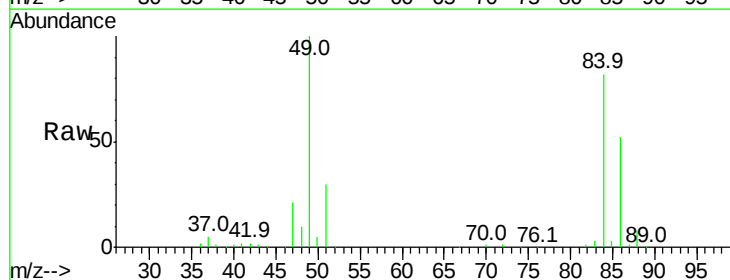
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

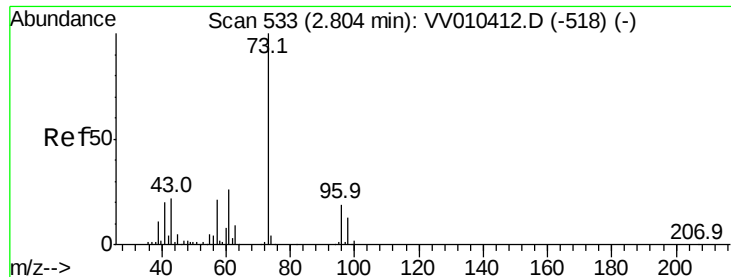
Tgt Ion: 43 Resp: 58064
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6



#16
Methylene chloride
Concen: 18.399 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 84 Resp: 142075
Ion Ratio Lower Upper
84 100
49 121.5 85.0 158.0
86 62.7 43.9 81.5

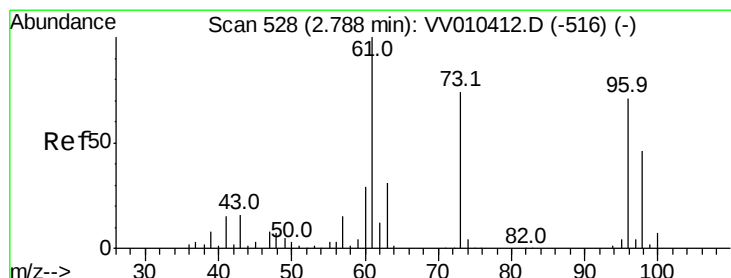
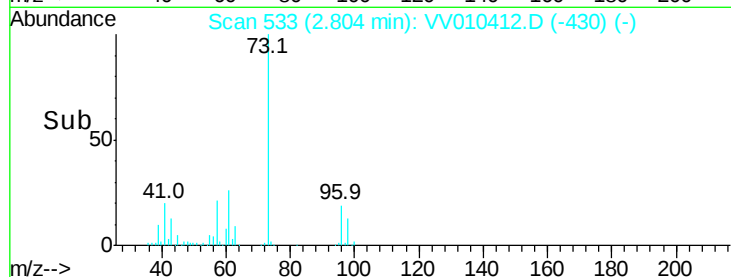
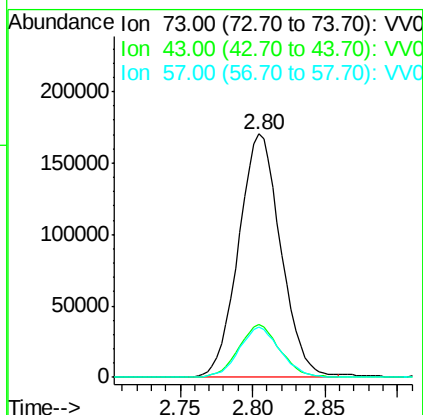
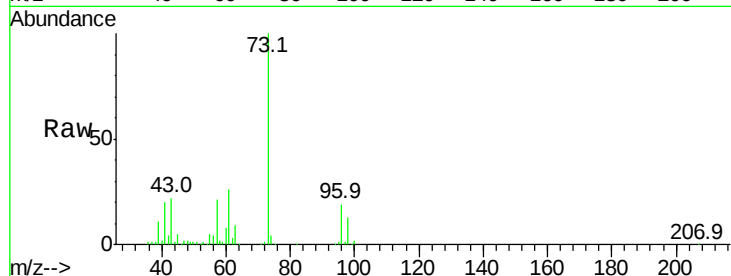




#17
Methyl tert-butyl Ether
Concen: 22.785 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

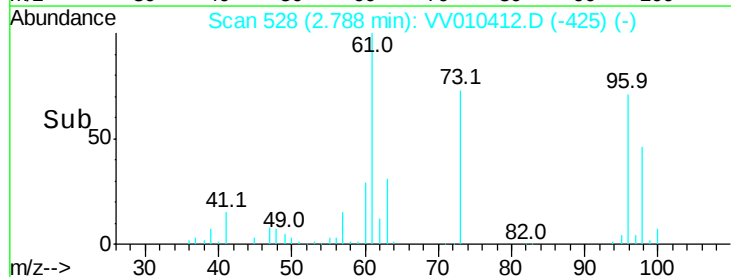
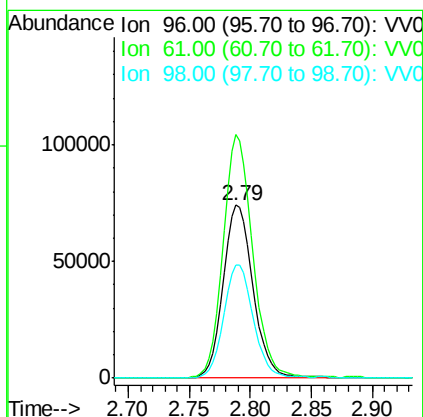
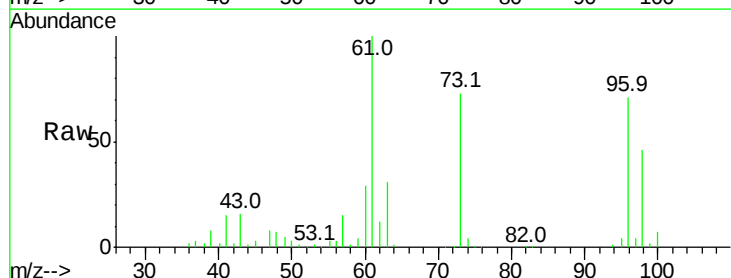
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

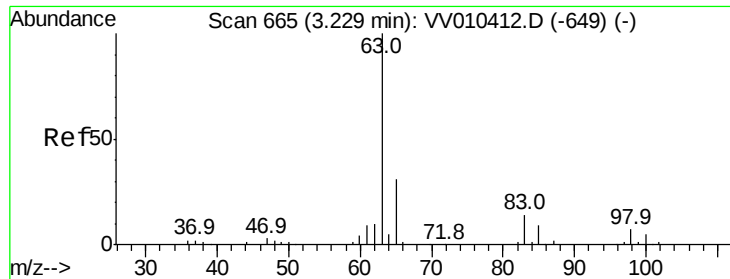
Tgt Ion: 73 Resp: 344601
Ion Ratio Lower Upper
73 100
43 21.0 16.8 25.2
57 20.1 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 21.497 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 96 Resp: 128069
Ion Ratio Lower Upper
96 100
61 140.8 98.6 183.0
98 65.3 45.7 84.9





#19

1,1-Dichloroethane

Concen: 23.025 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

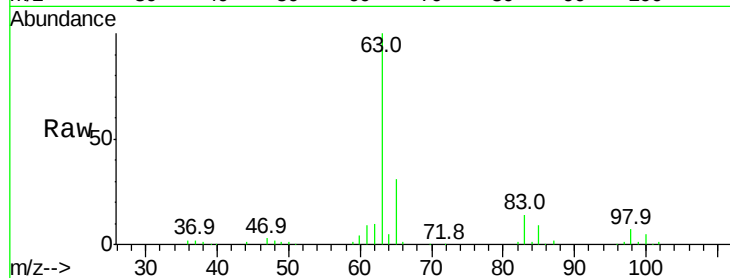
Tgt Ion: 63 Resp: 234321

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

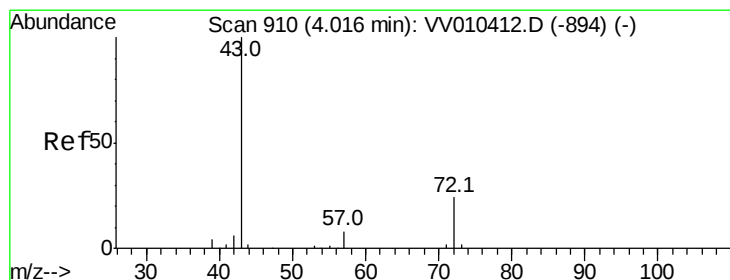
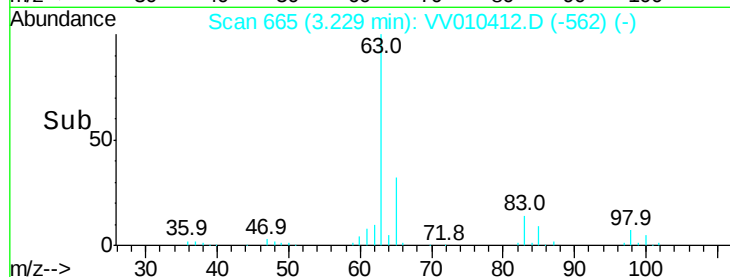
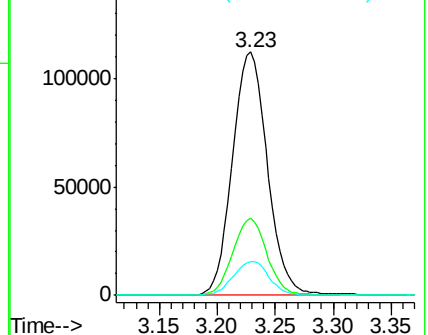
83 14.0 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 38.783 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV010412.D

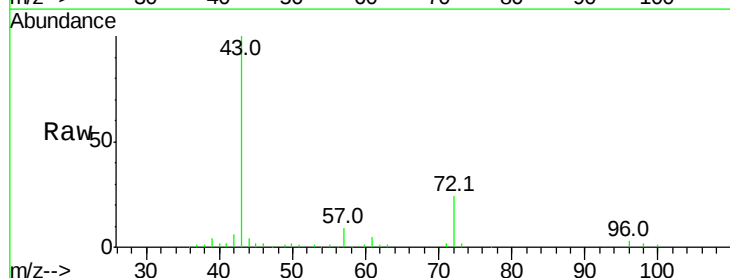
Acq: 22 Apr 2019 13:34

Tgt Ion: 43 Resp: 84822

Ion Ratio Lower Upper

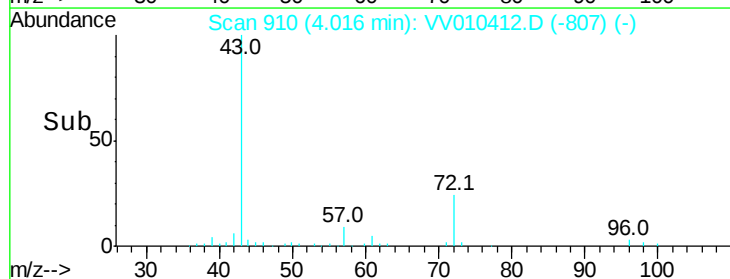
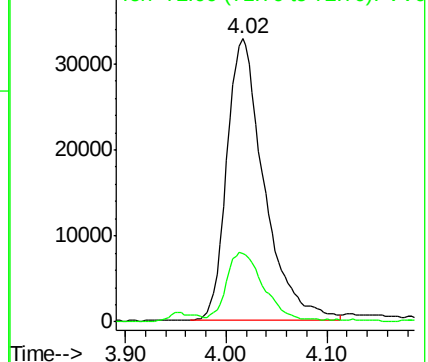
43 100

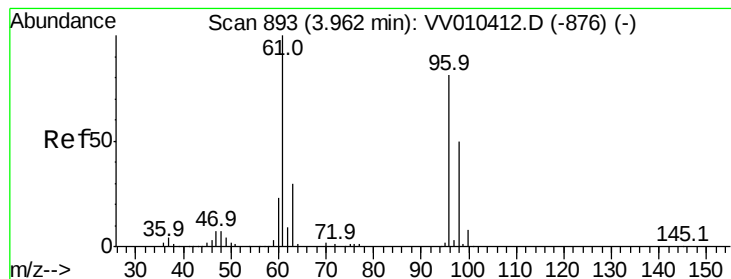
72 24.3 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



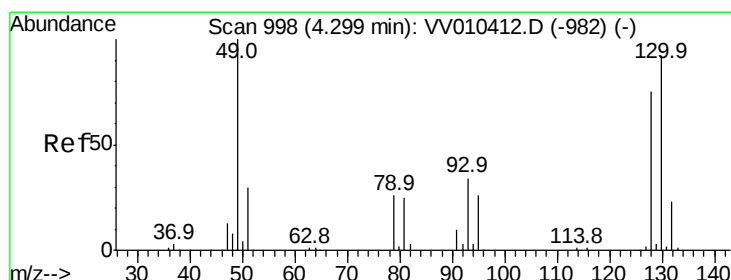
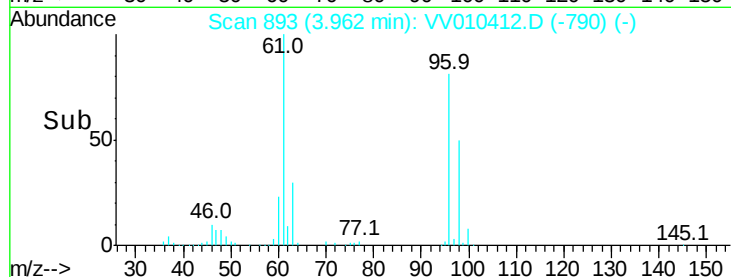
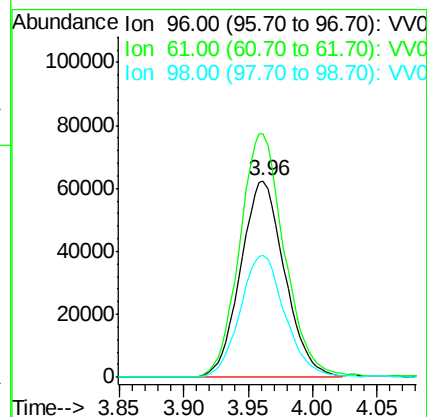
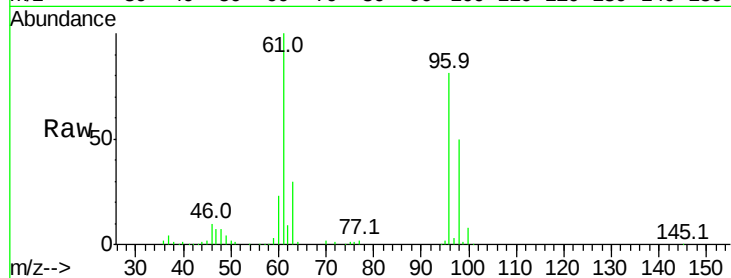


#22

cis-1,2-Dichloroethene
 Concen: 21.933 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

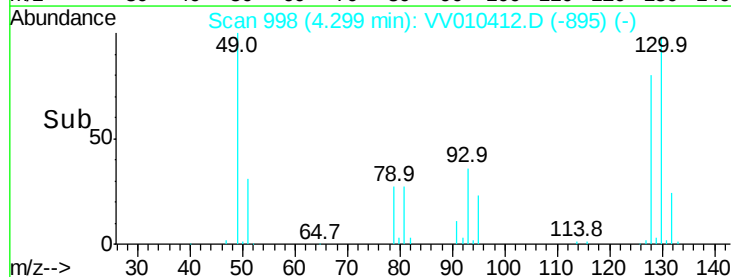
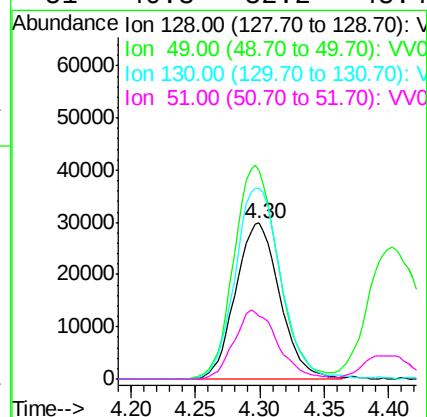
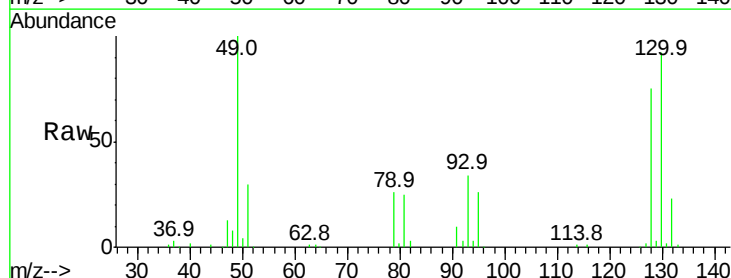
Tgt Ion: 96 Resp: 148849
 Ion Ratio Lower Upper
 96 100
 61 123.9 86.7 161.1
 98 62.1 43.5 80.7

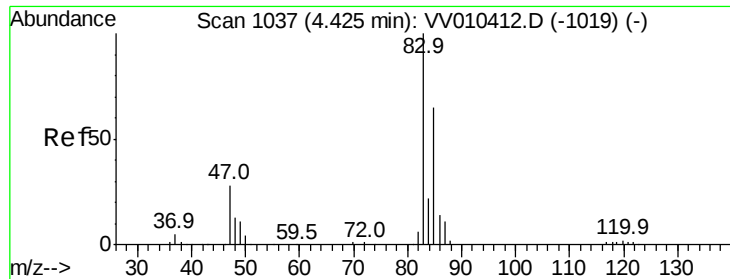


#23

Bromochloromethane
 Concen: 20.962 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 128 Resp: 71200
 Ion Ratio Lower Upper
 128 100
 49 133.9 93.7 174.1
 130 122.7 85.9 159.5
 51 40.3 32.2 48.4





#25

Chloroform

Concen: 23.720 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

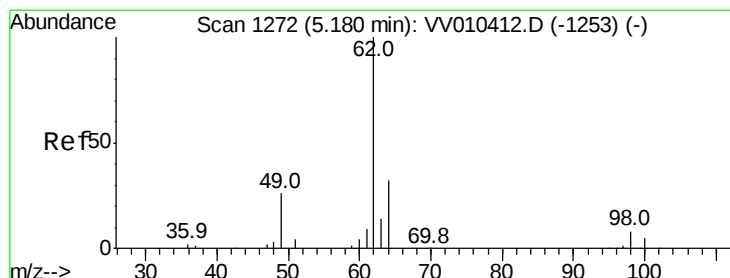
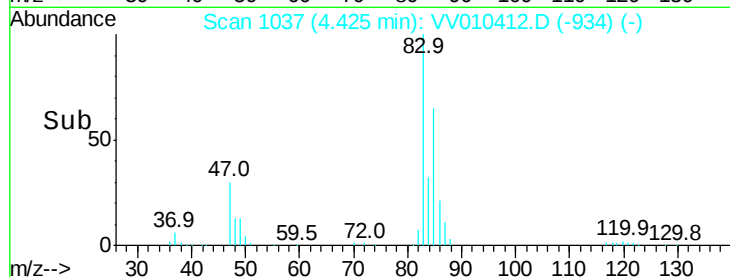
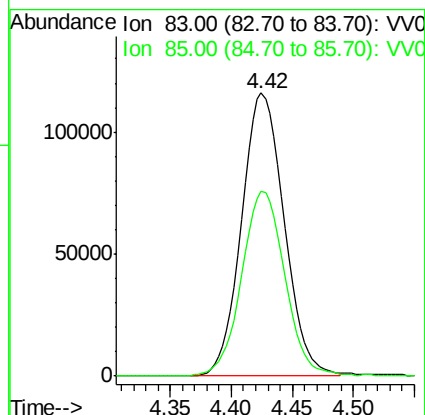
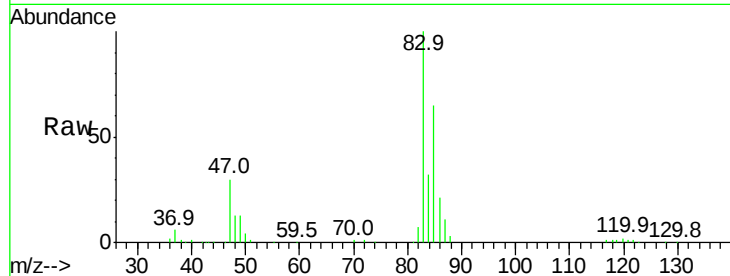
VSTD02579

Tgt Ion: 83 Resp: 281305

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 22.909 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV010412.D

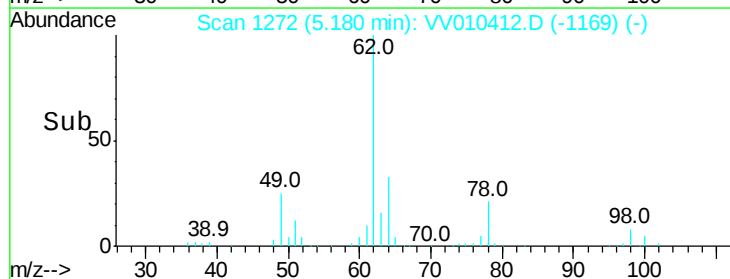
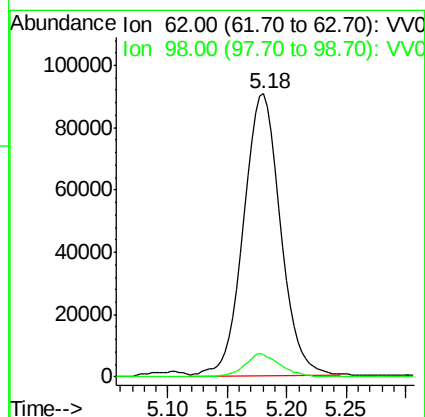
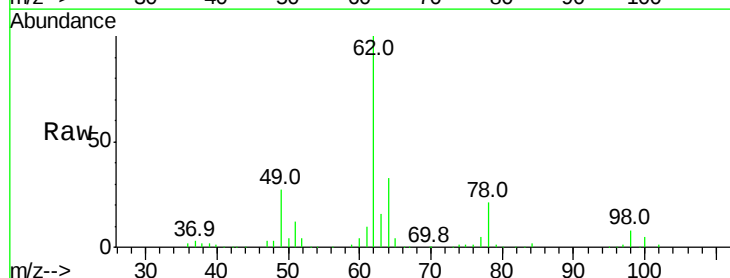
Acq: 22 Apr 2019 13:34

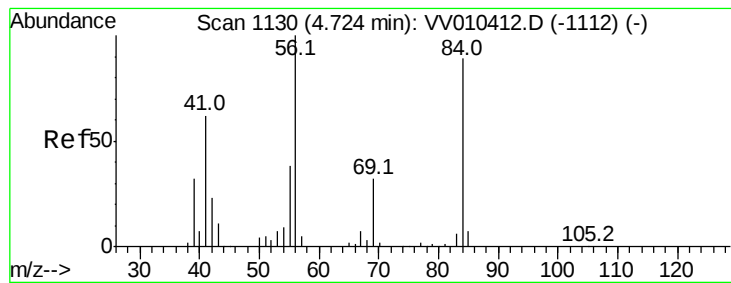
Tgt Ion: 62 Resp: 194116

Ion Ratio Lower Upper

62 100

98 8.0 6.4 9.6





#30

Cyclohexane

Concen: 22.681 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

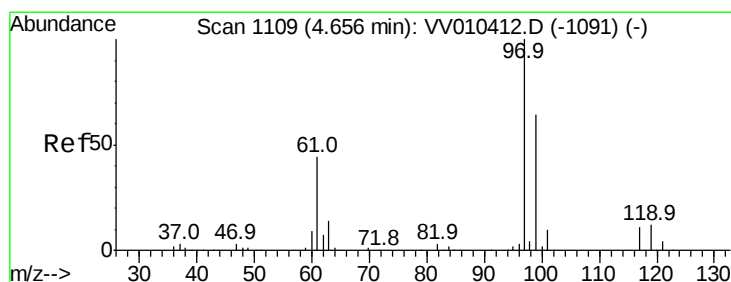
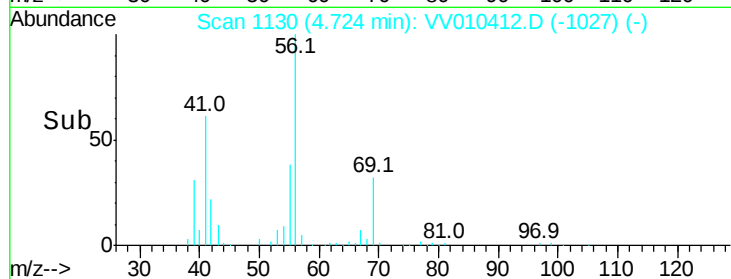
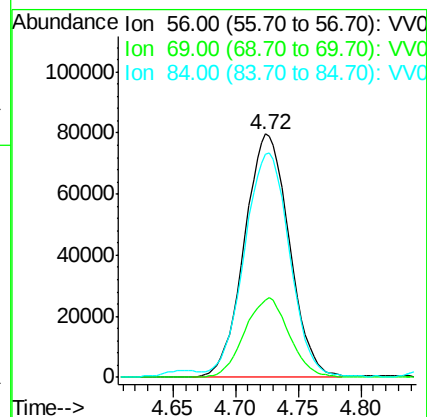
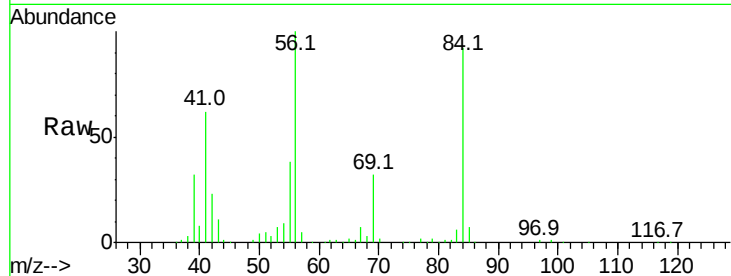
Tgt Ion: 56 Resp: 198194

Ion Ratio Lower Upper

56 100

69 32.4 25.9 38.9

84 92.8 74.2 111.4



#31

1,1,1-Trichloroethane

Concen: 24.425 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

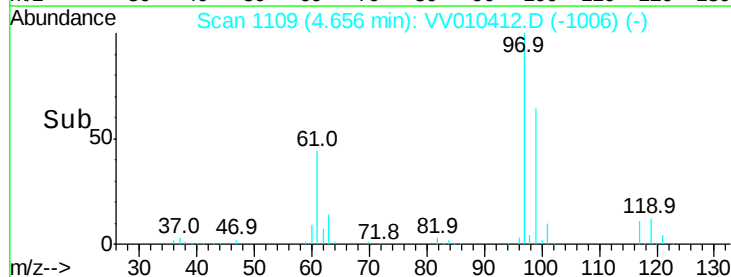
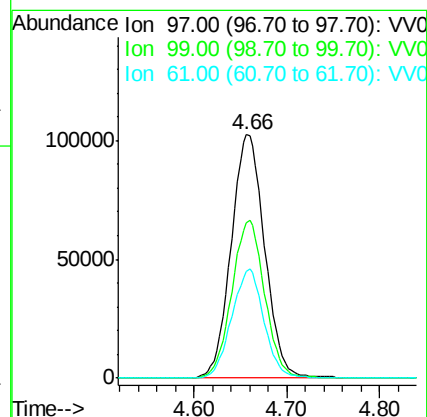
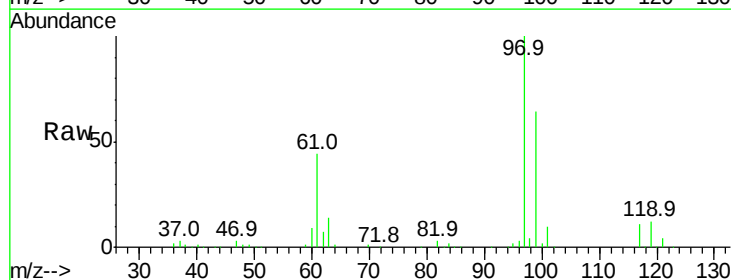
Tgt Ion: 97 Resp: 256745

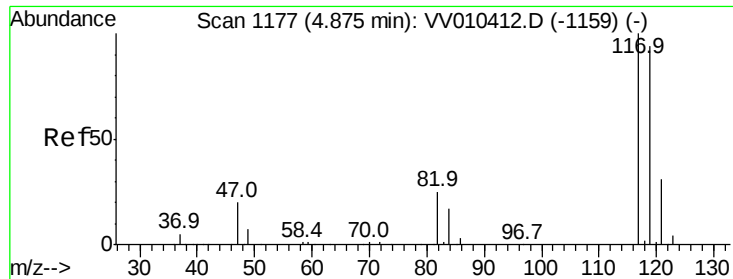
Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

61 43.1 34.5 51.7



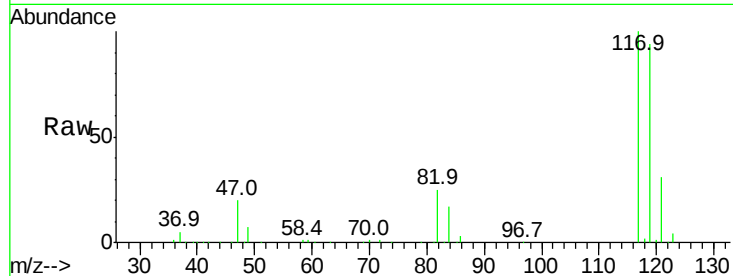


#32

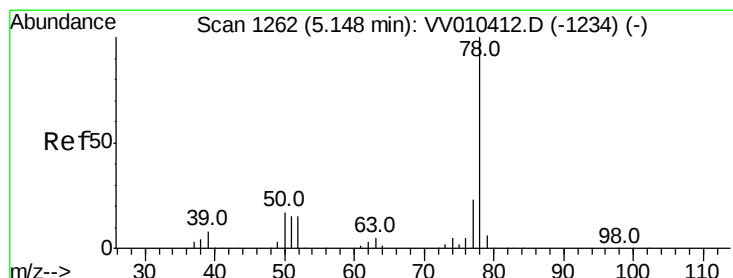
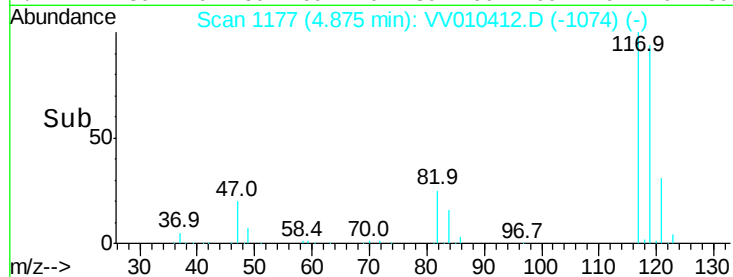
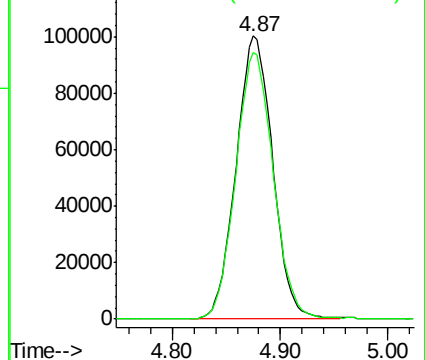
Carbon tetrachloride
 Concen: 23.912 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Tgt Ion:117 Resp: 237159
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.9 115.3



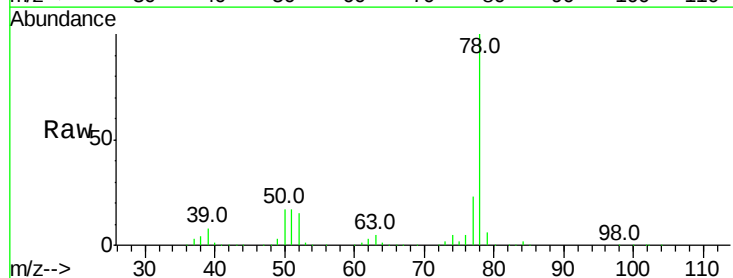
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



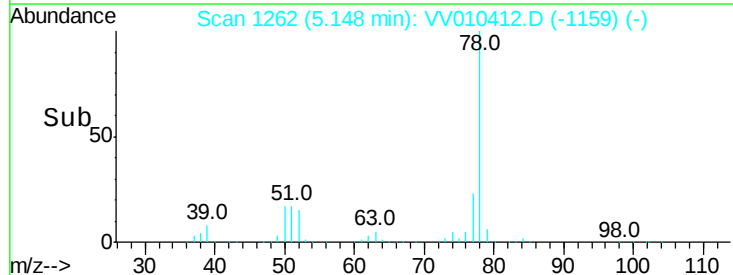
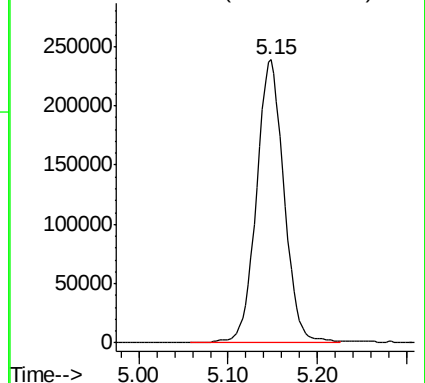
#34

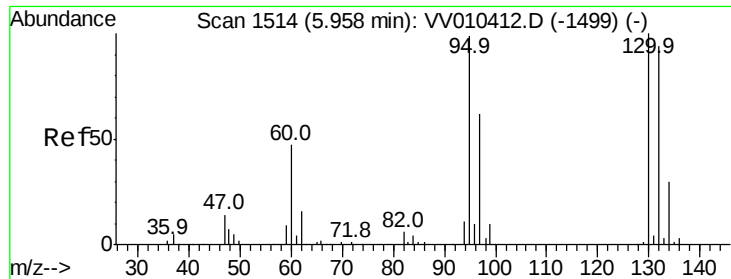
Benzene
 Concen: 22.174 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 78 Resp: 515908



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.933 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

Tgt Ion: 95 Resp: 157864

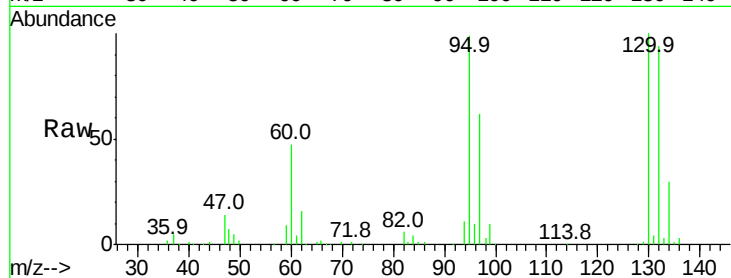
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 98.5 69.0 128.1

130 102.1 71.5 132.7

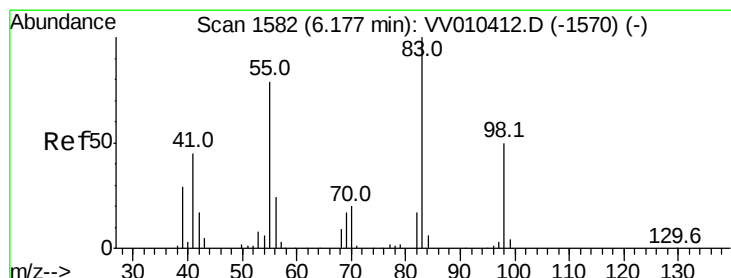
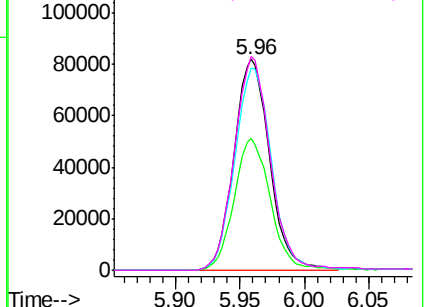
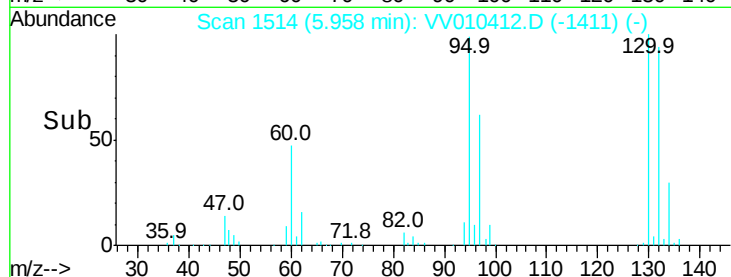


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.169 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

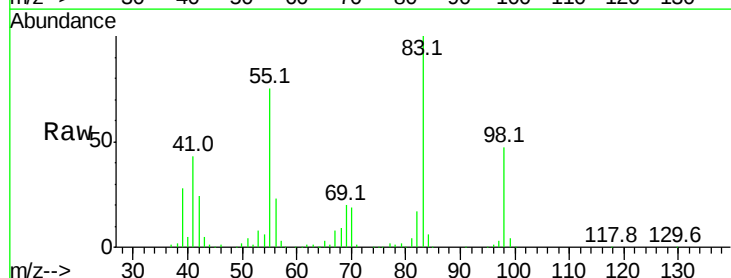
Tgt Ion: 83 Resp: 232237

Ion Ratio Lower Upper

83 100

55 74.5 59.6 89.4

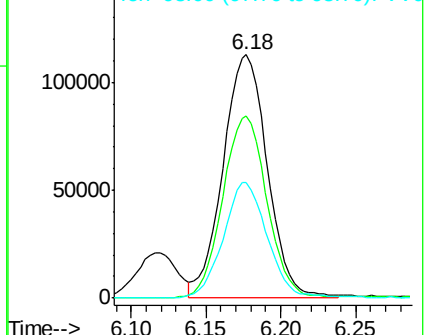
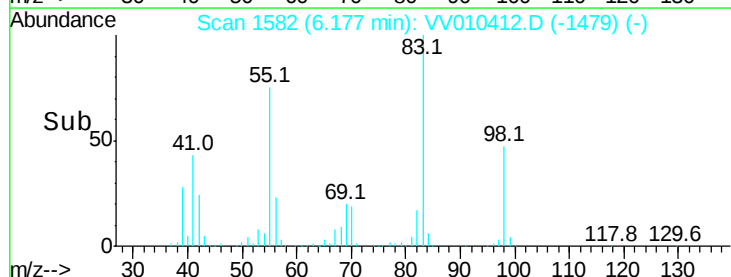
98 47.5 38.0 57.0

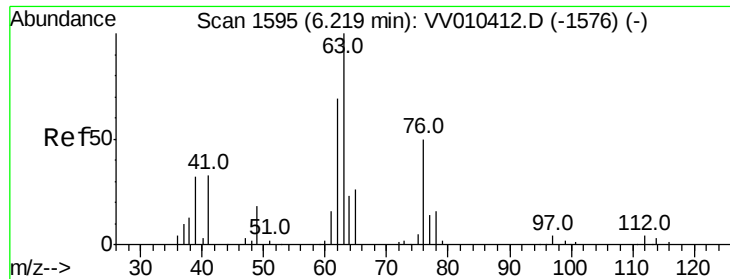


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

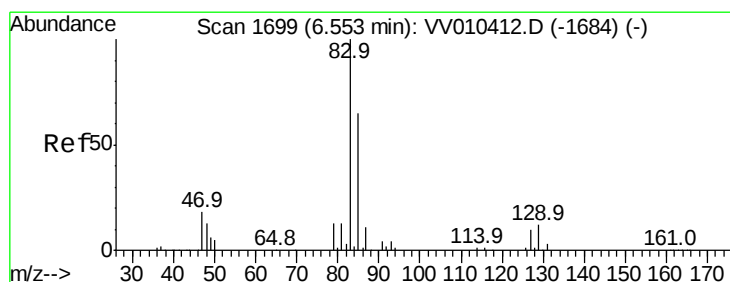
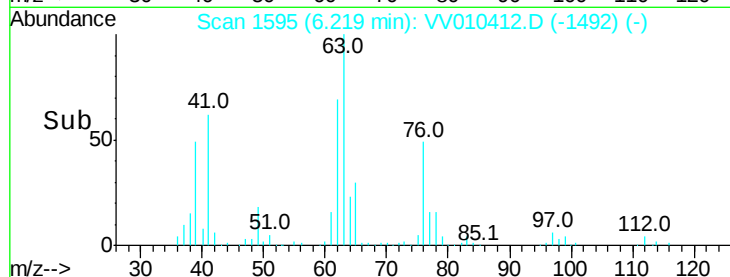
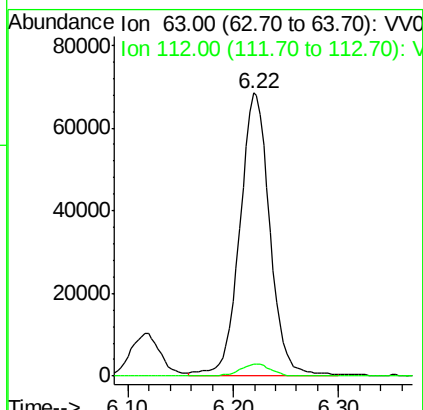
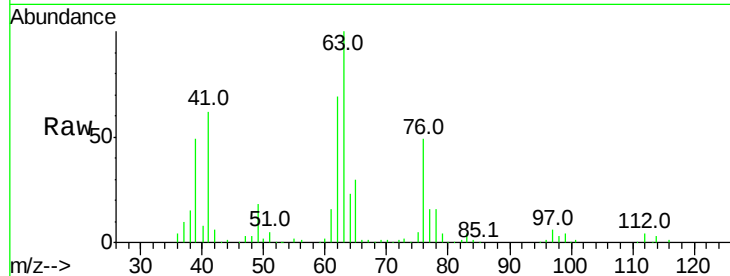




#40
 1,2-Dichloropropane
 Concen: 22.776 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

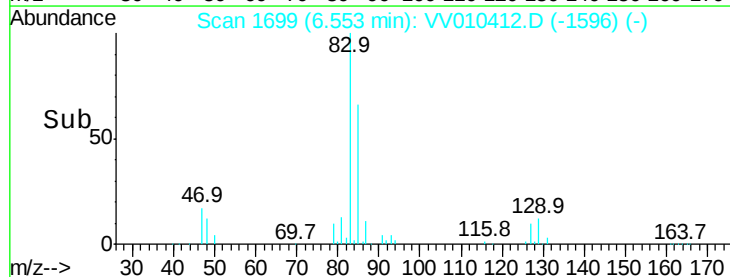
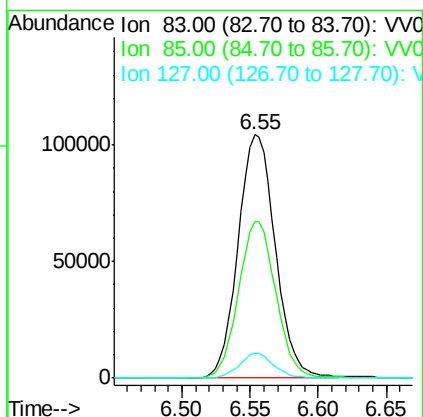
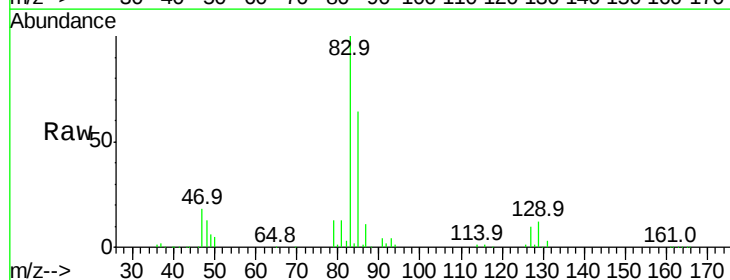
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

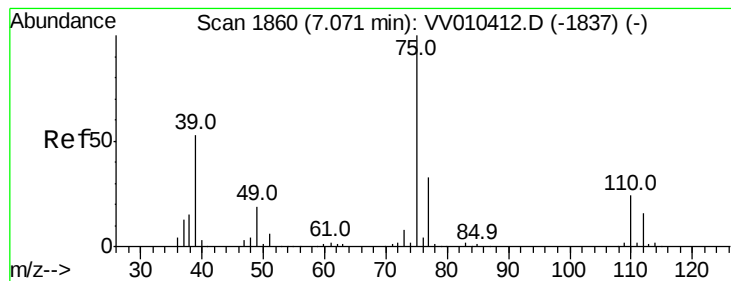
Tgt Ion: 63 Resp: 135913
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 23.676 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 83 Resp: 198259
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 10.3 8.2 12.4



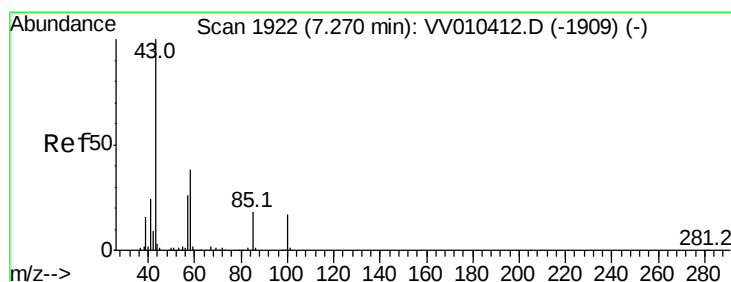
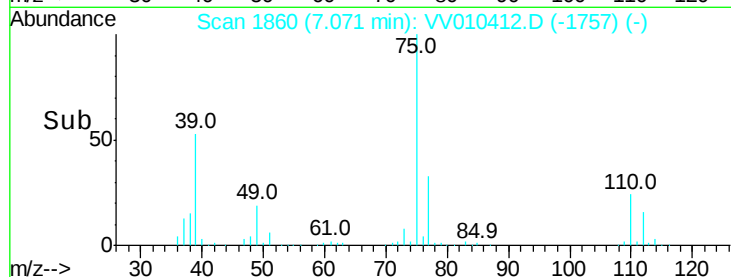
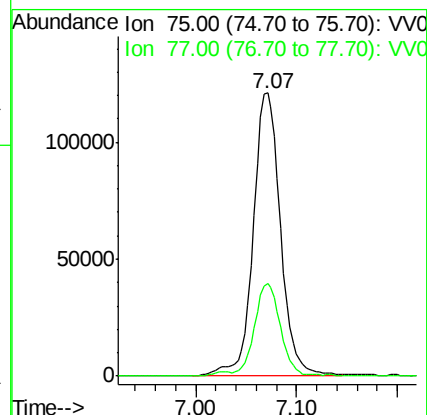
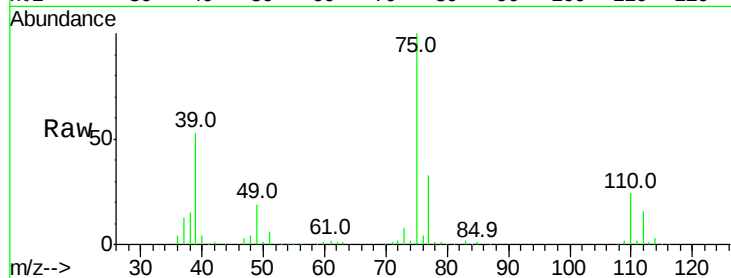


#42

cis-1,3-Dichloropropene
Concen: 25.179 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_V
ClientSampled :
VSTD02579

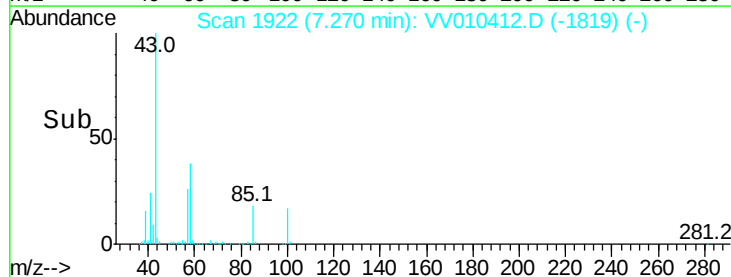
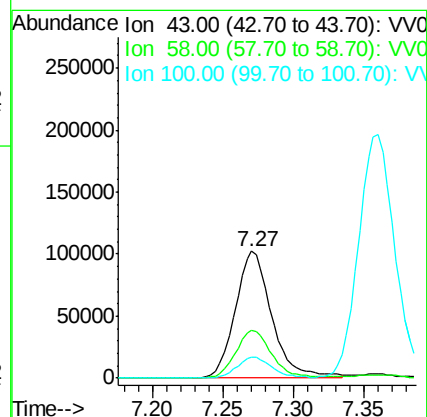
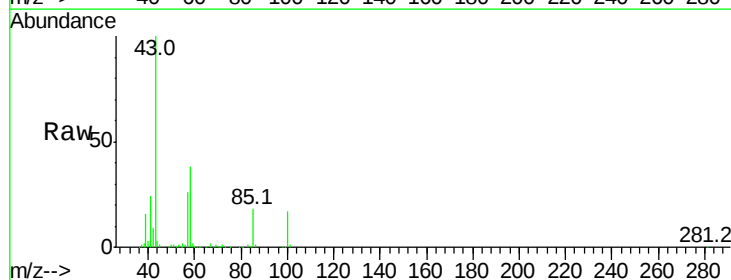
Tgt Ion: 75 Resp: 226616
Ion Ratio Lower Upper
75 100
77 32.7 22.9 42.5

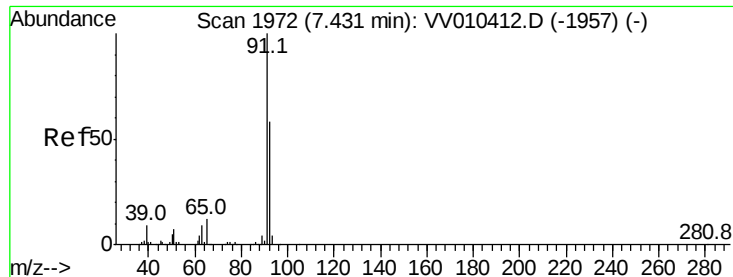


#43

4-Methyl-2-pentanone
Concen: 39.653 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 43 Resp: 184874
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2
100 16.1 12.9 19.3





#44

Toluene

Concen: 23.269 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

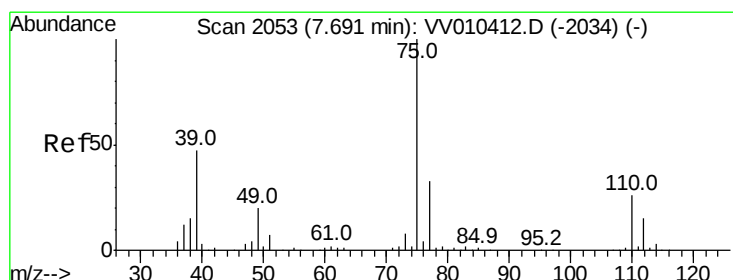
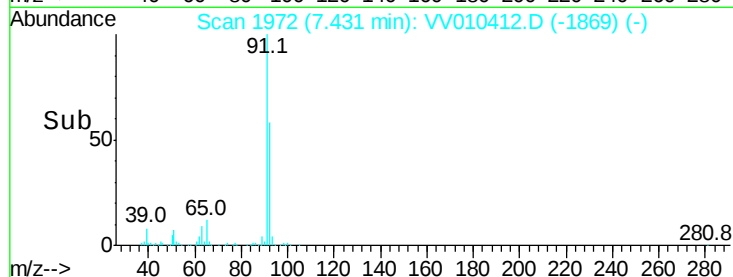
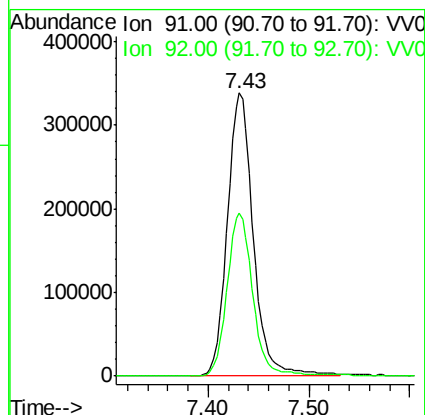
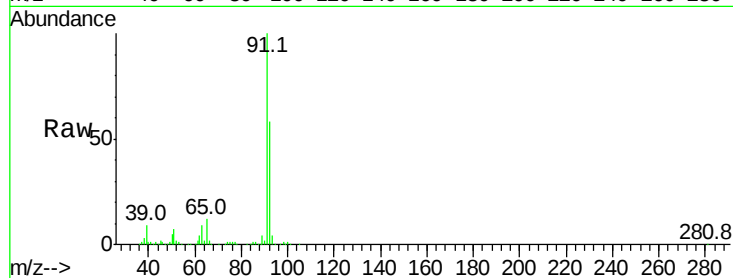
VSTD02579

Tgt Ion: 91 Resp: 610336

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 23.871 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010412.D

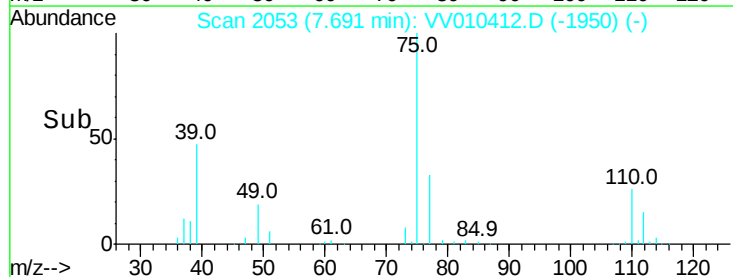
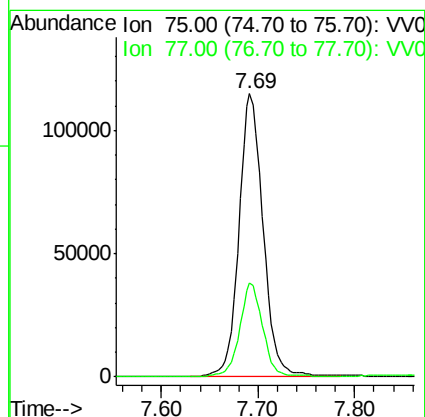
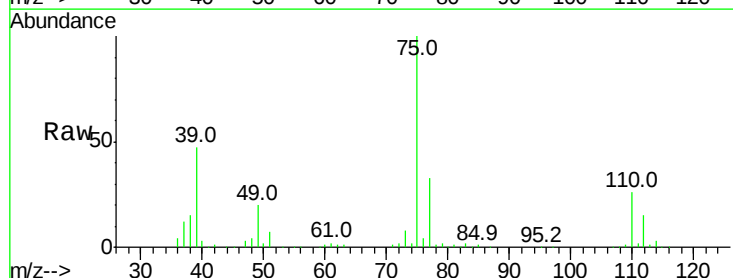
Acq: 22 Apr 2019 13:34

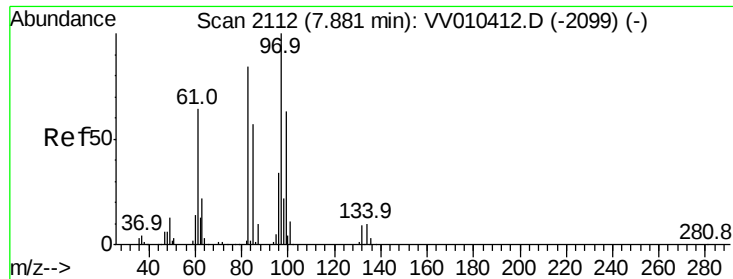
Tgt Ion: 75 Resp: 200311

Ion Ratio Lower Upper

75 100

77 33.0 23.1 42.9

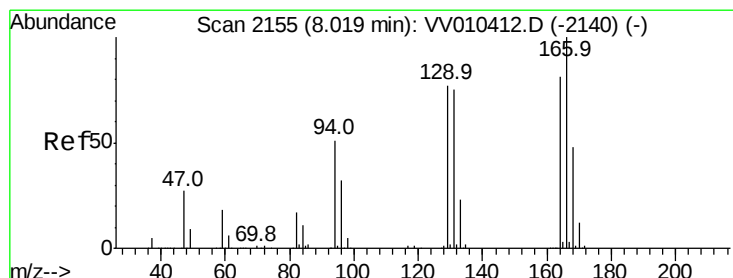
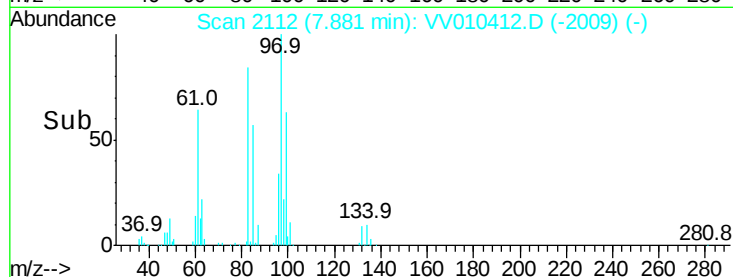
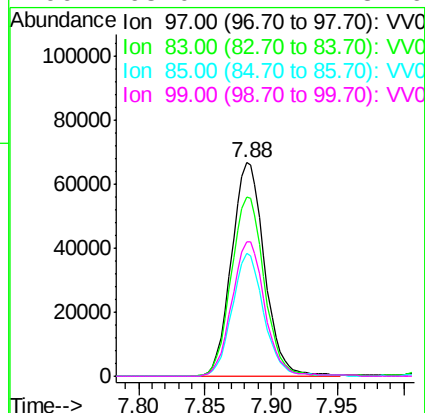
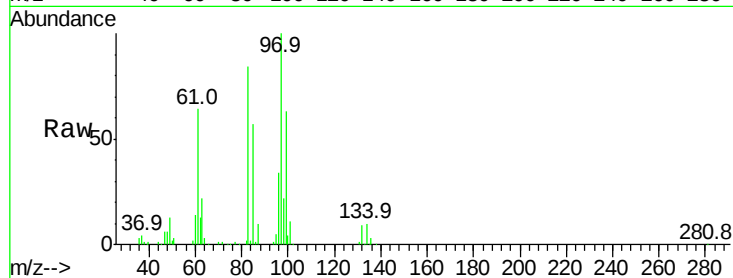




#46
 1,1,2-Trichloroethane
 Concen: 21.491 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

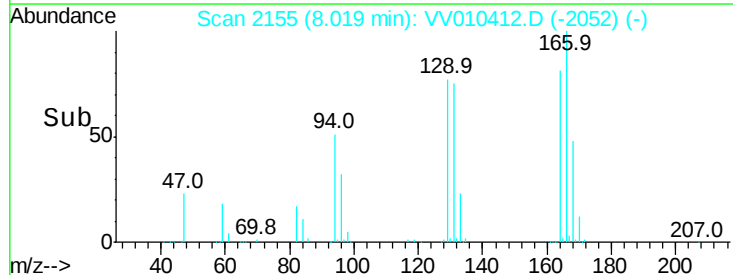
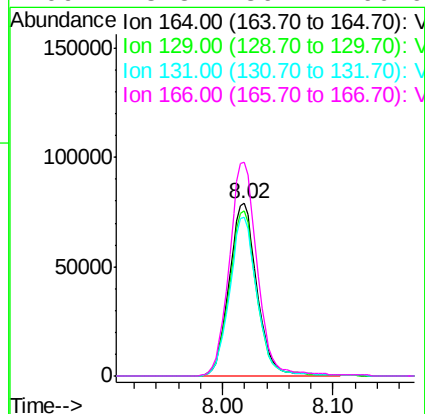
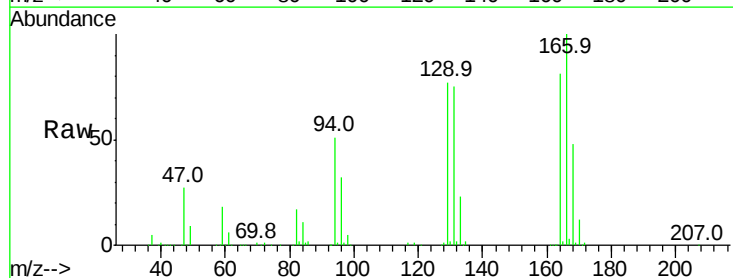
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

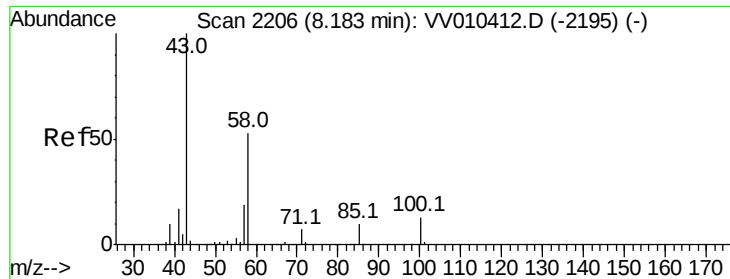
Tgt Ion:	97	Resp:	115536
Ion	Ratio	Lower	Upper
97	100		
83	84.1	58.9	109.3
85	57.4	40.2	74.6
99	63.0	44.1	81.9



#47
 Tetrachloroethene
 Concen: 22.543 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:	164	Resp:	138463
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.1	124.5
131	92.3	64.6	120.0
166	123.8	86.7	160.9

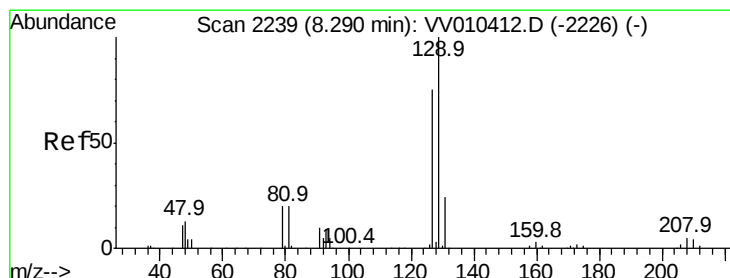
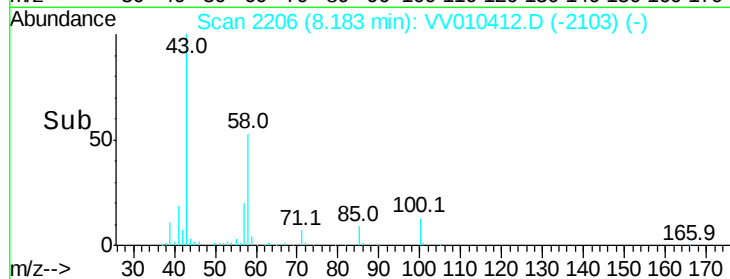
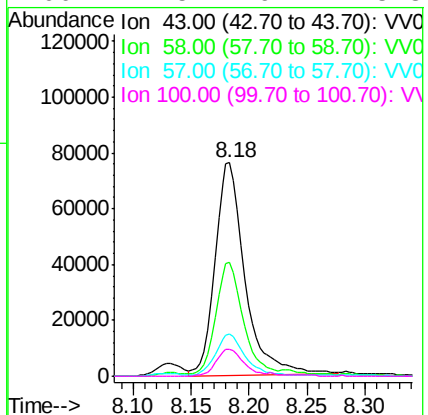
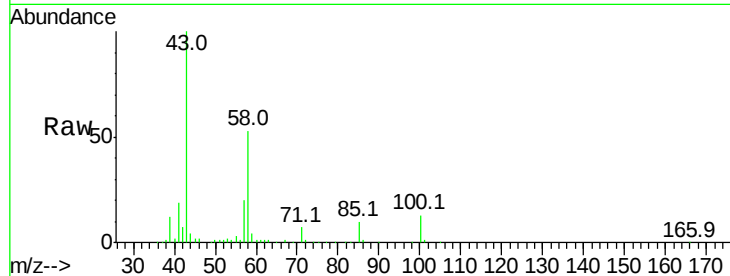




#49
2-Hexanone
Concen: 42.473 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

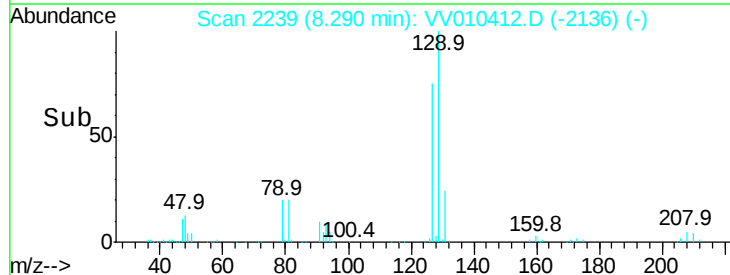
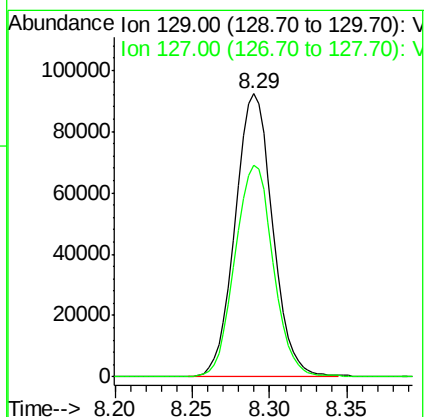
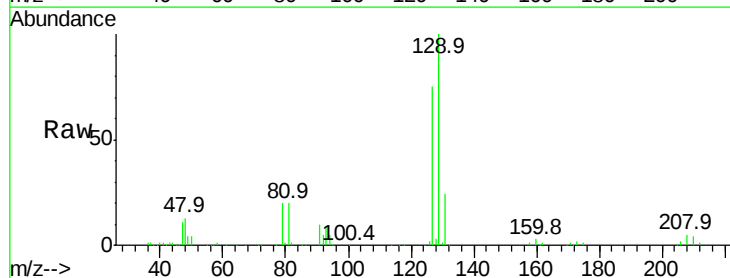
Instrument :
MSVOA_V
ClientSampleId :
VSTD02579

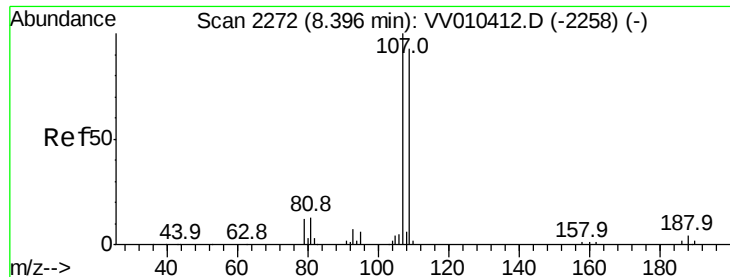
Tgt Ion: 43 Resp: 138606
Ion Ratio Lower Upper
43 100
58 47.0 37.6 56.4
57 19.8 15.8 23.8
100 11.5 9.2 13.8



#50
Dibromochloromethane
Concen: 23.581 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010412.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 129 Resp: 155654
Ion Ratio Lower Upper
129 100
127 74.9 52.4 97.4





#51

1,2-Dibromoethane

Concen: 21.387 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

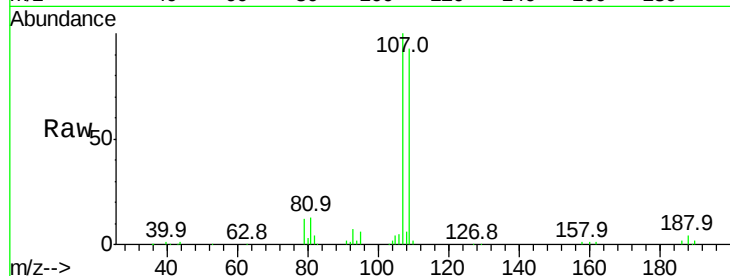
Tgt Ion:107 Resp: 114025

Ion Ratio Lower Upper

107 100

109 92.7 64.9 120.5

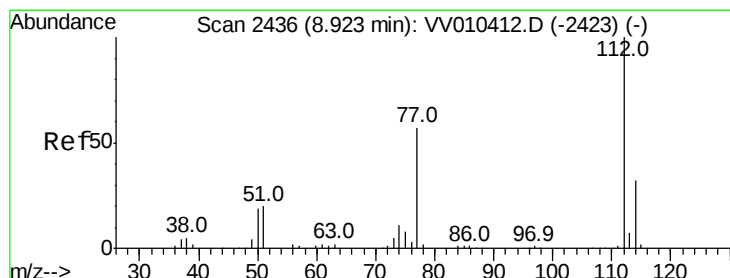
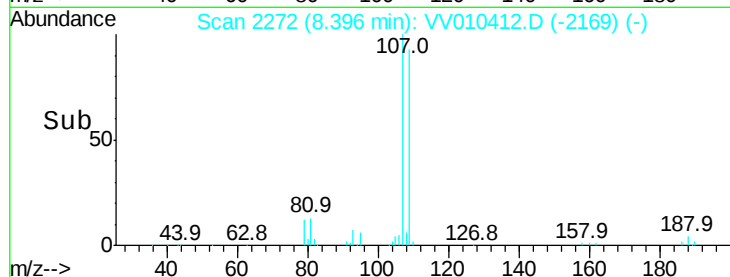
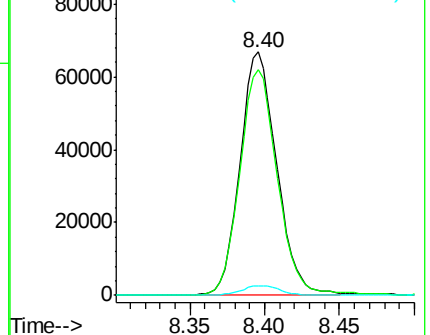
188 3.8 3.0 4.6



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: 23.375 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

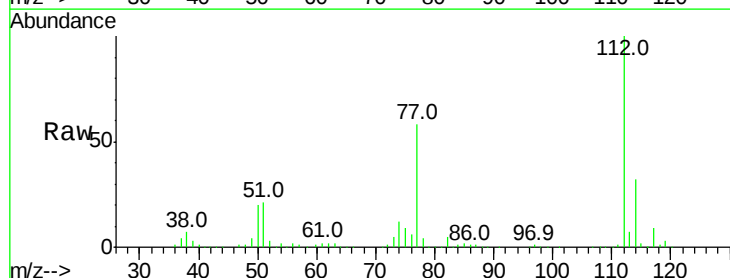
Tgt Ion:112 Resp: 426600

Ion Ratio Lower Upper

112 100

77 57.7 46.2 69.2

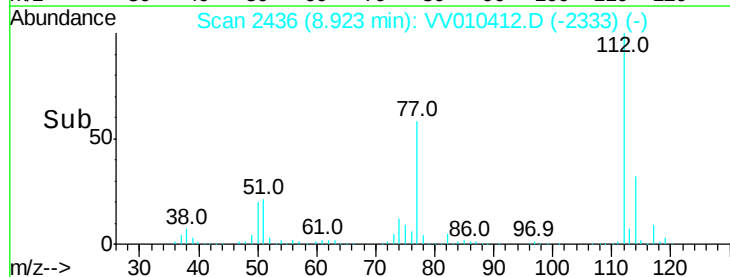
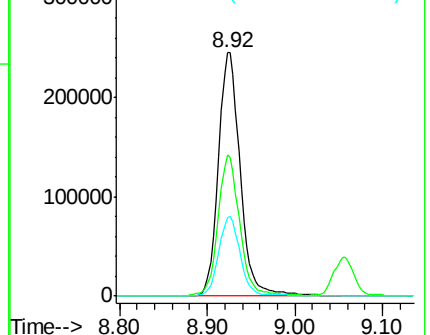
114 32.1 22.5 41.7

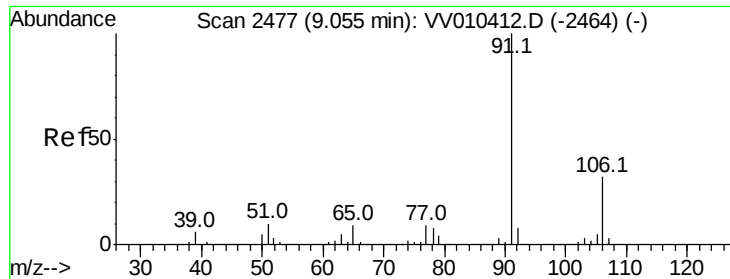


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.186 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

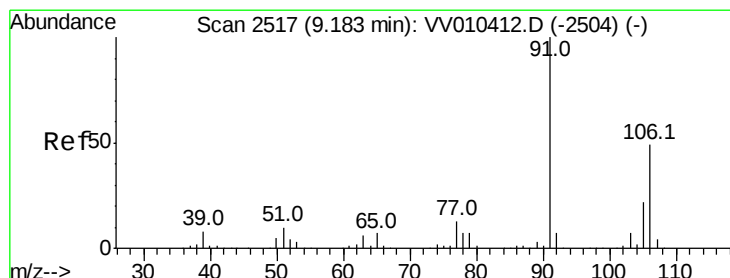
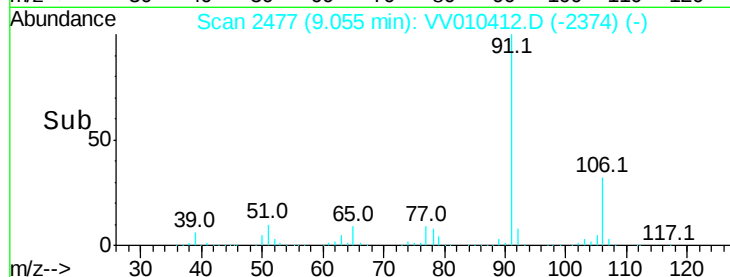
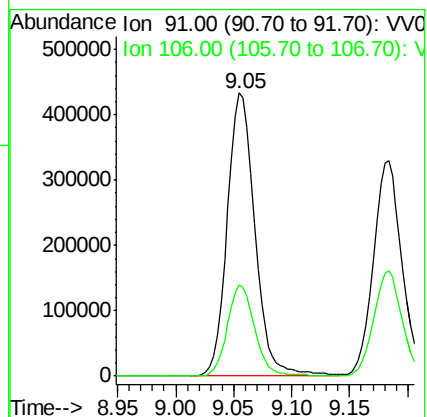
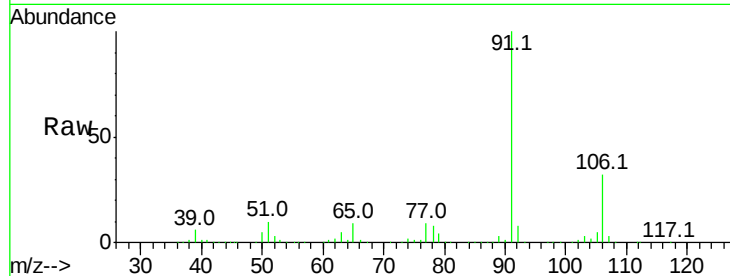
VSTD02579

Tgt Ion: 91 Resp: 720735

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#54

m,p-Xylene

Concen: 24.446 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010412.D

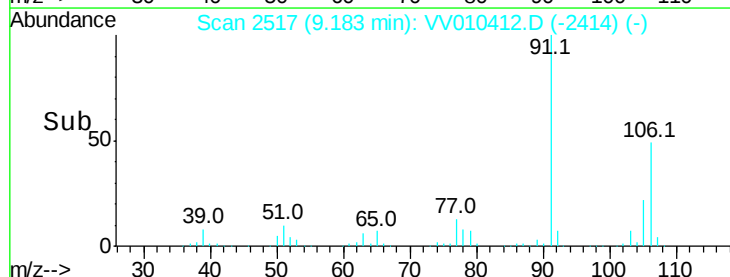
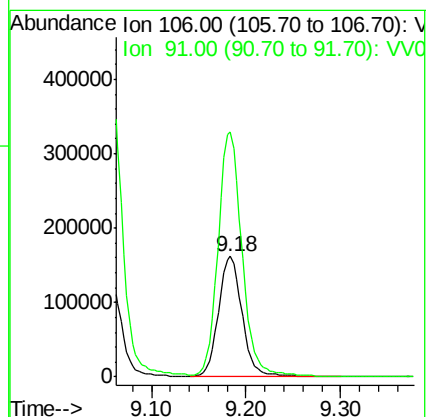
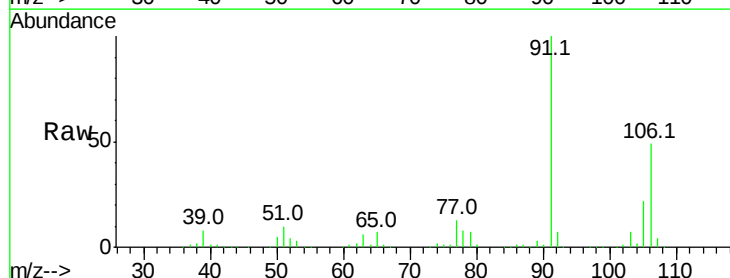
Acq: 22 Apr 2019 13:34

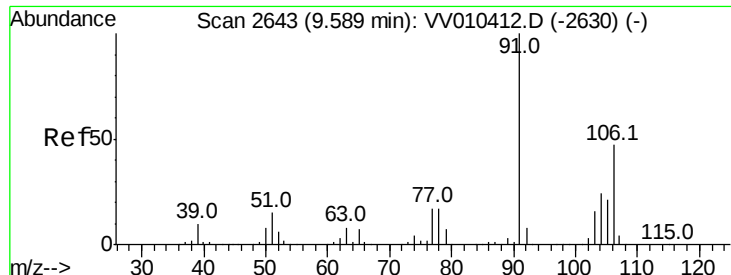
Tgt Ion: 106 Resp: 281995

Ion Ratio Lower Upper

106 100

91 203.6 142.5 264.7





#55

o-xylene

Concen: 25.055 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

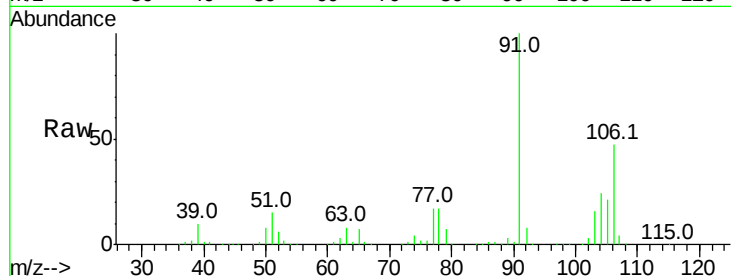
VSTD02579

Tgt Ion:106 Resp: 278739

Ion Ratio Lower Upper

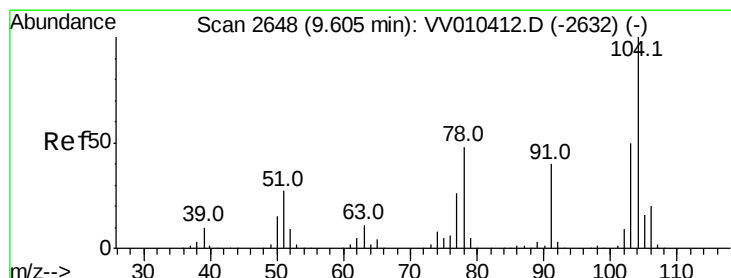
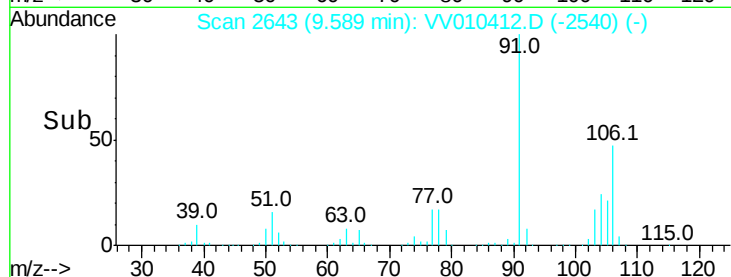
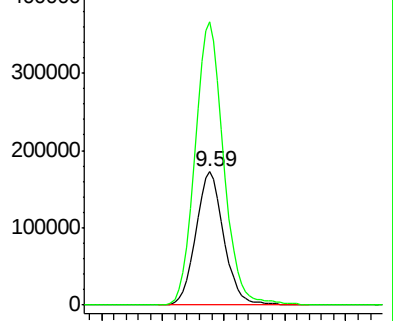
106 100

91 212.2 148.5 275.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 24.486 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010412.D

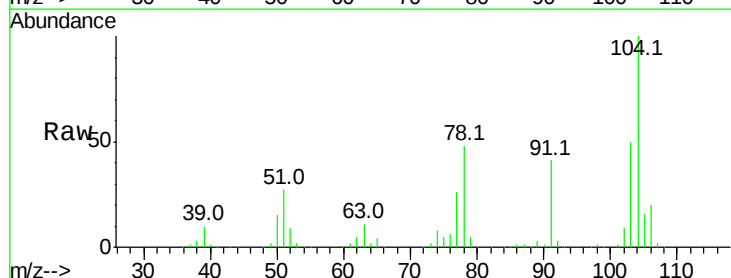
Acq: 22 Apr 2019 13:34

Tgt Ion:104 Resp: 465143

Ion Ratio Lower Upper

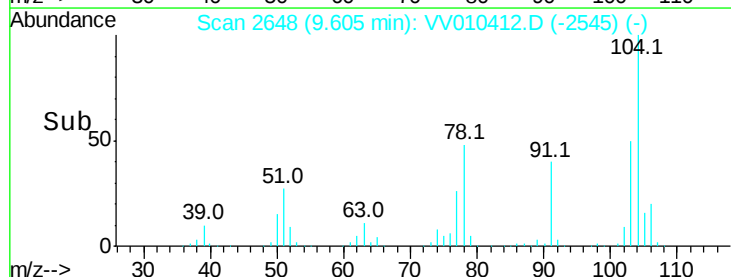
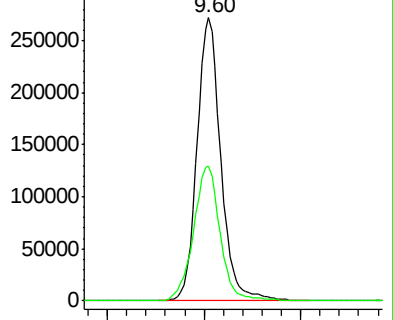
104 100

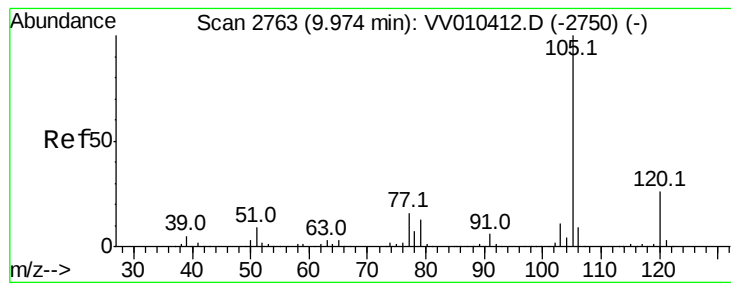
78 47.6 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.617 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

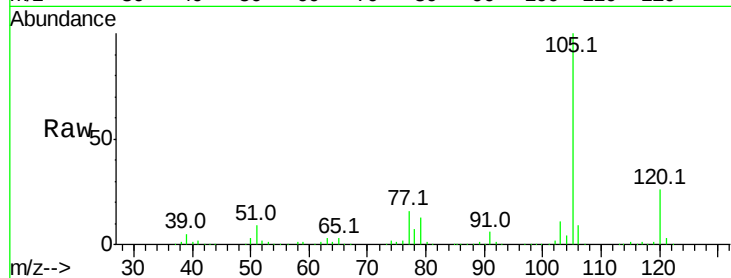
Tgt Ion: 105 Resp: 759386

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

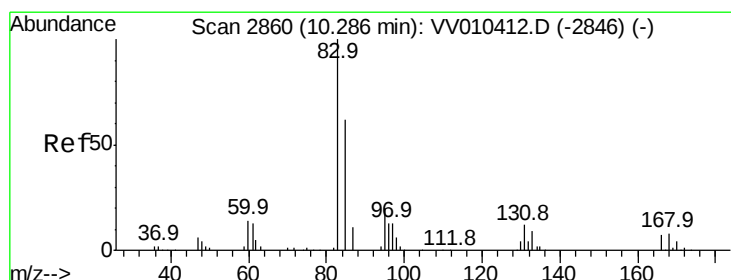
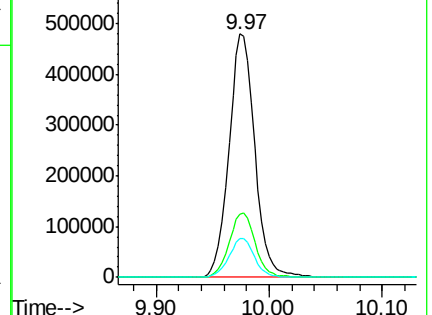
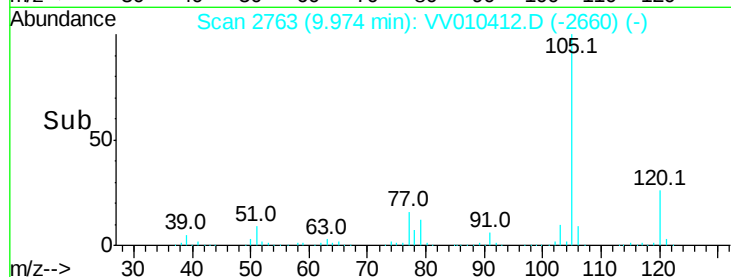
77 16.1 12.9 19.3



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: 20.640 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

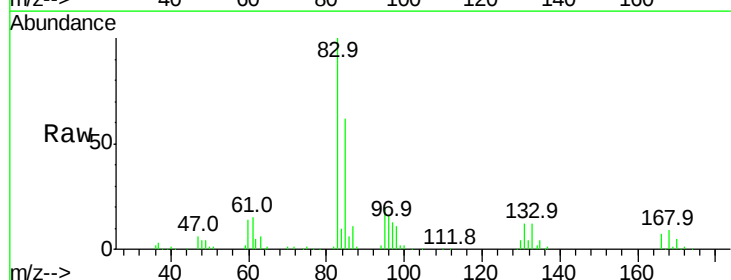
Tgt Ion: 83 Resp: 143485

Ion Ratio Lower Upper

83 100

85 62.3 43.6 81.0

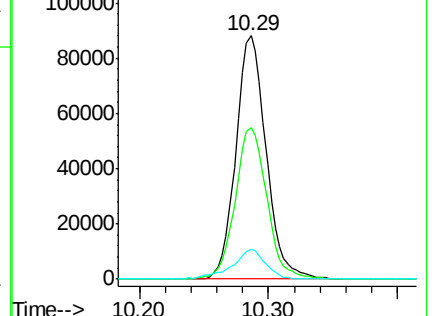
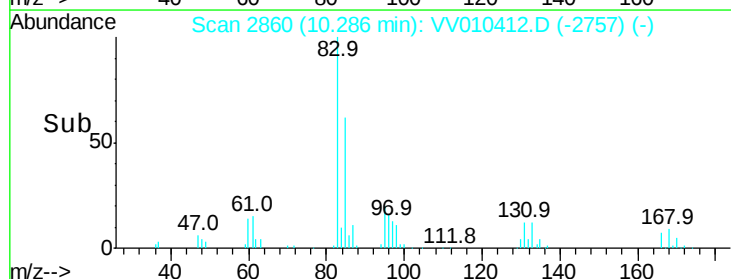
131 12.2 9.8 14.6

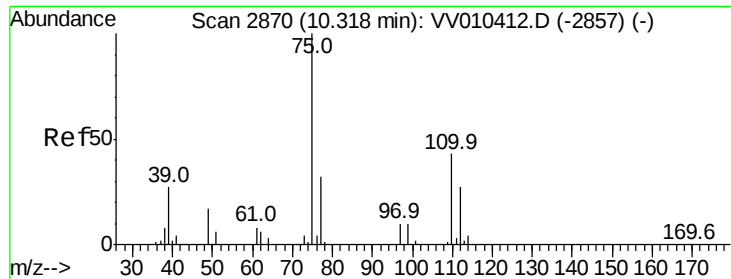


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.298 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

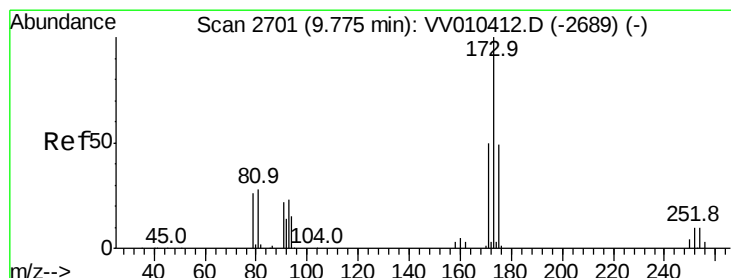
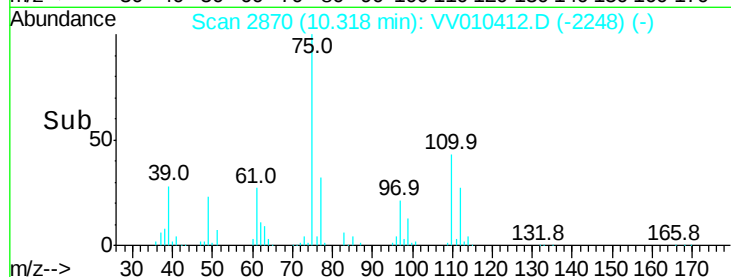
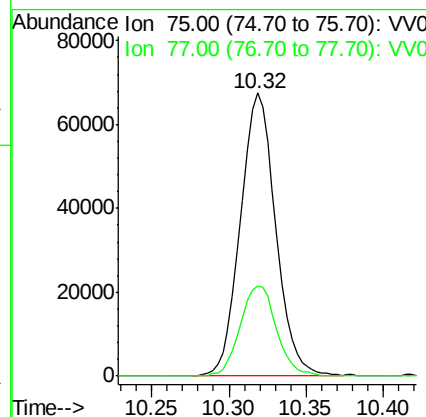
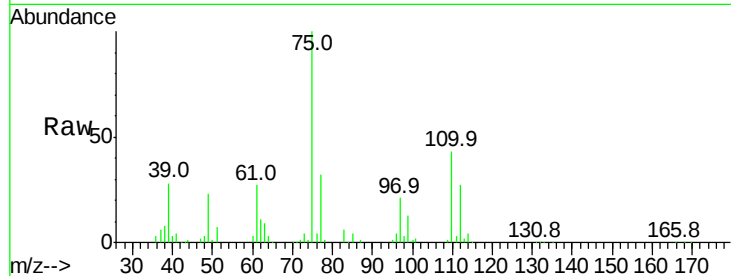
VSTD02579

Tgt Ion: 75 Resp: 107211

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 22.787 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

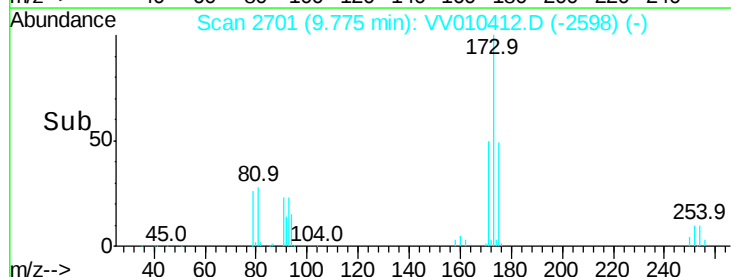
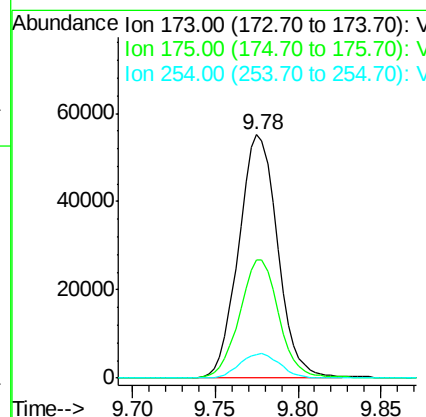
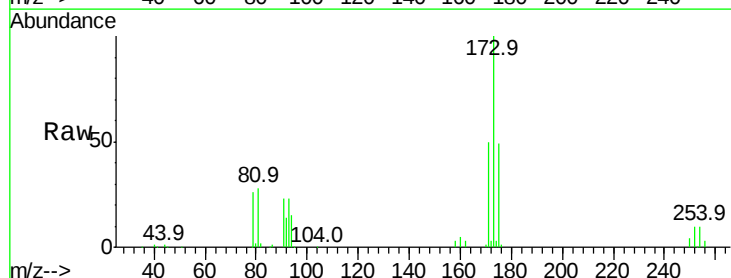
Tgt Ion: 173 Resp: 90409

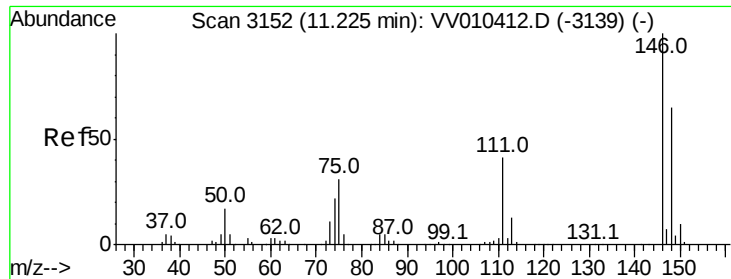
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 10.3 8.2 12.4

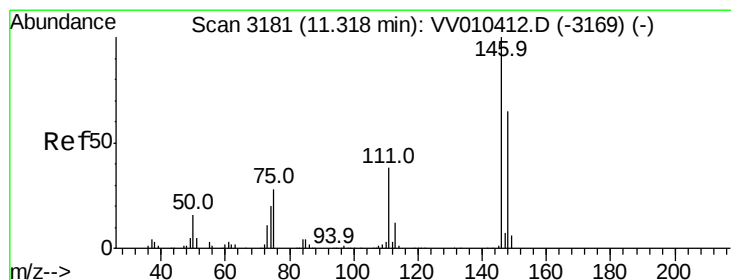
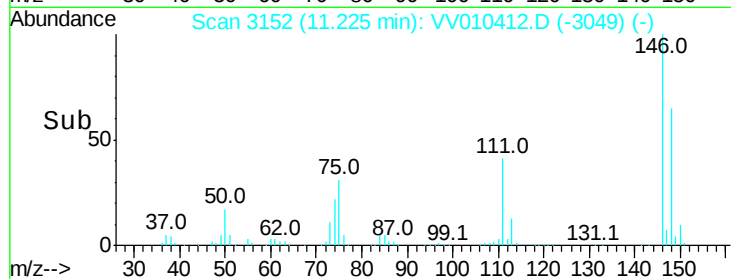
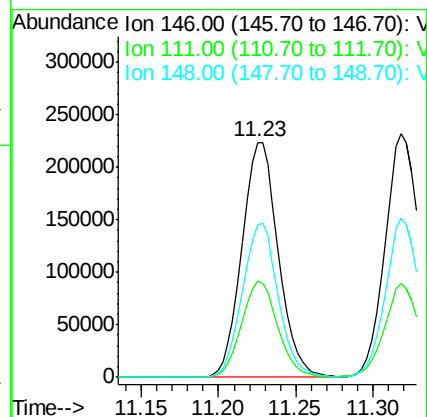
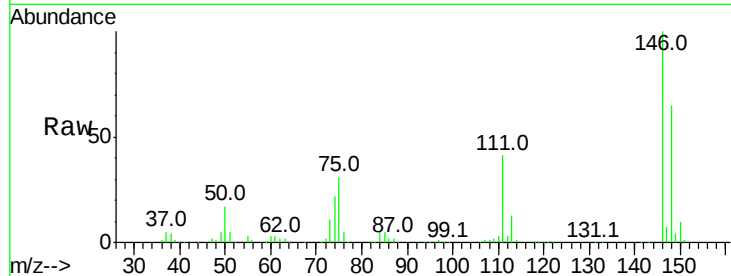




#63
 1,3-Dichlorobenzene
 Concen: 23.325 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

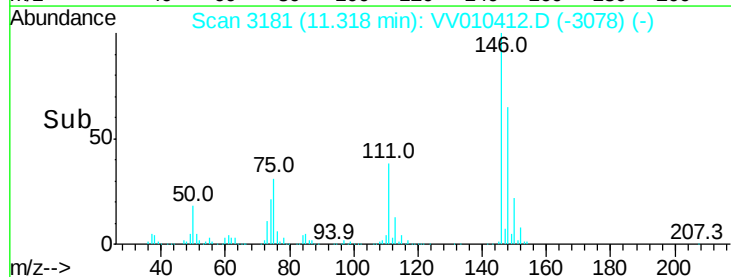
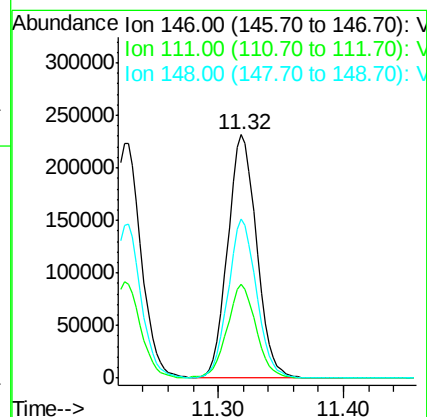
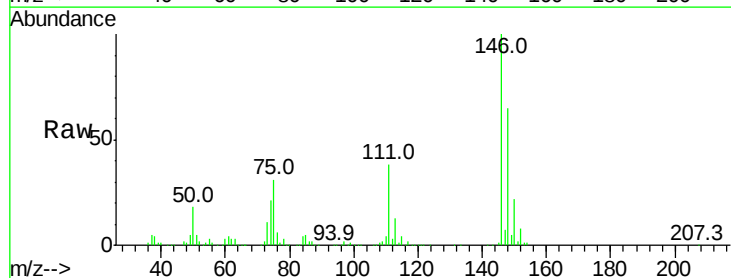
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

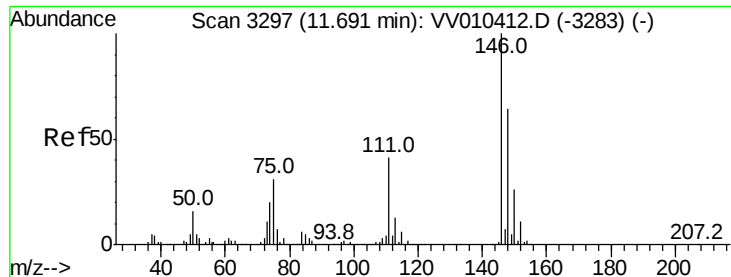
Tgt Ion:146 Resp: 365084
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.4
 148 65.1 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 22.920 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:146 Resp: 369872
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.9 49.9
 148 65.1 45.6 84.6

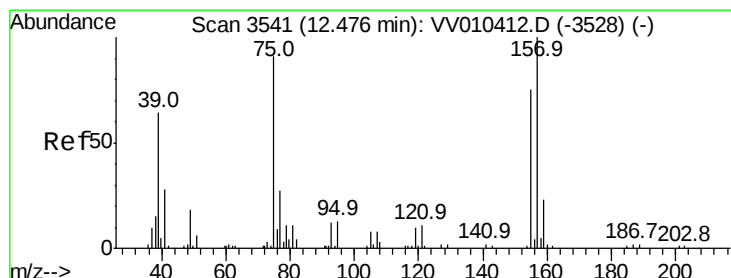
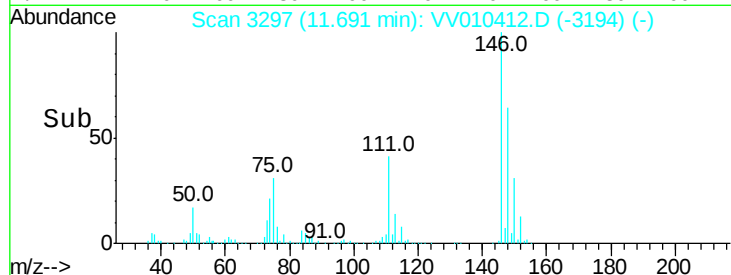
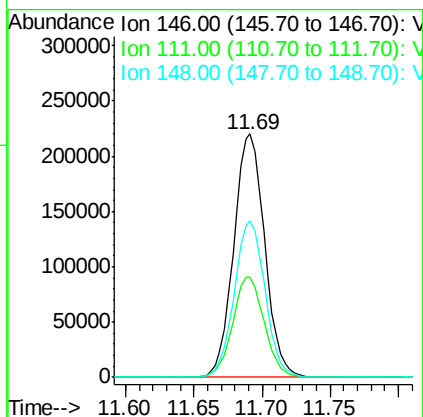
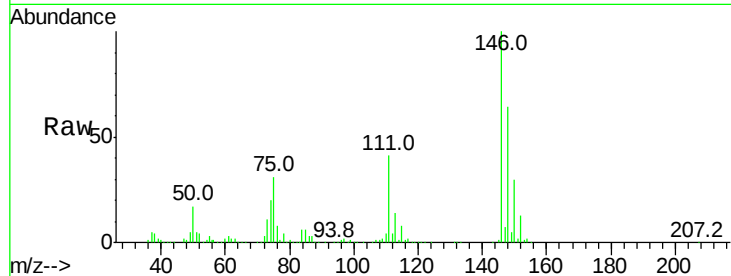




#65
 1,2-Dichlorobenzene
 Concen: 22.981 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

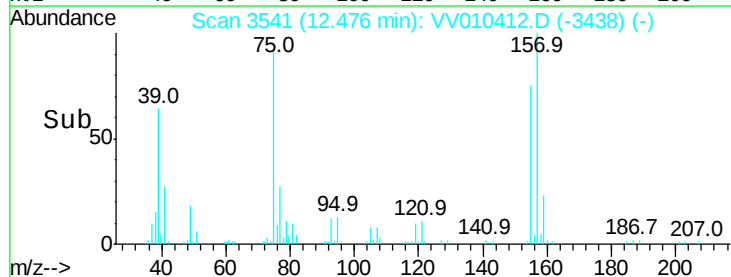
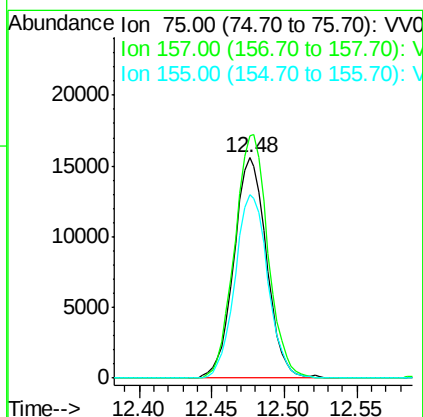
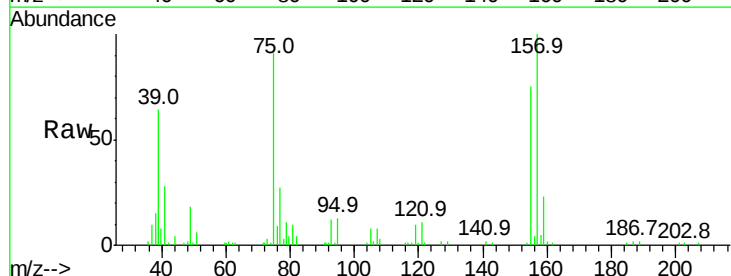
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02579

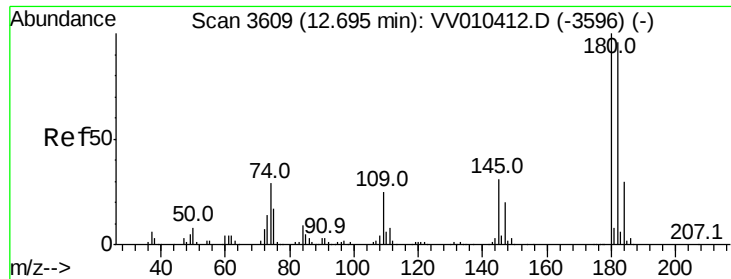
Tgt Ion: 146 Resp: 347281
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.9 49.3
 148 64.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.158 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 75 Resp: 24345
 Ion Ratio Lower Upper
 75 100
 157 110.2 88.2 132.2
 155 83.0 66.4 99.6

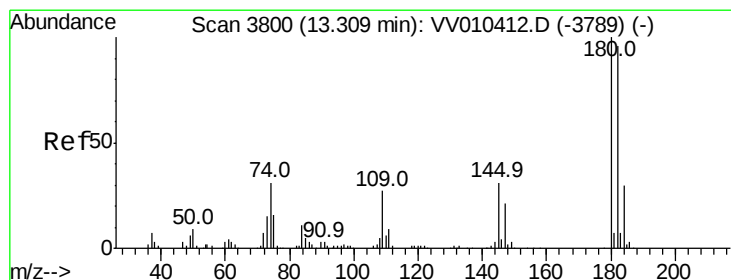
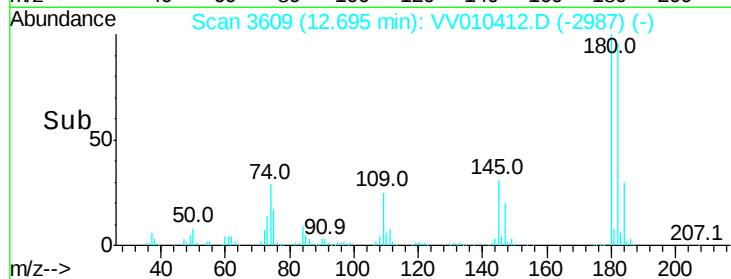
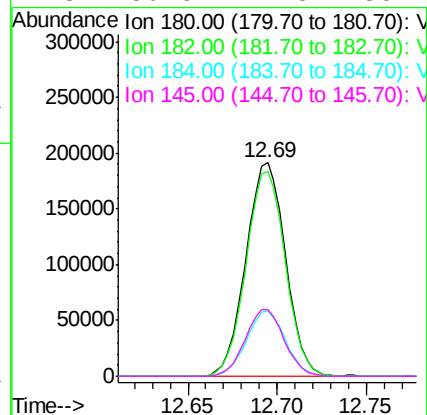
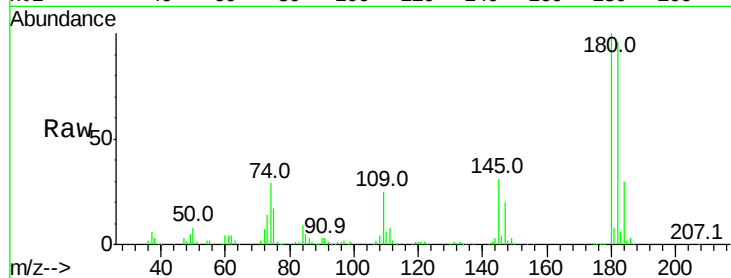




#67
 1,3,5-Trichlorobenzene
 Concen: 22.780 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

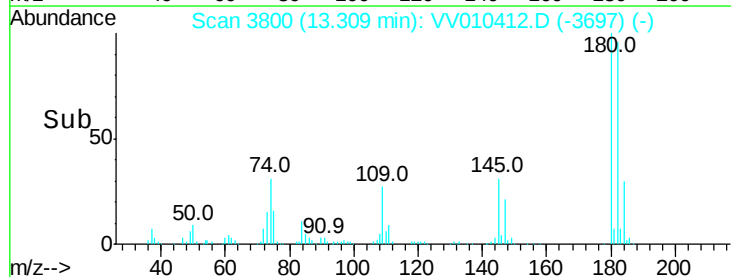
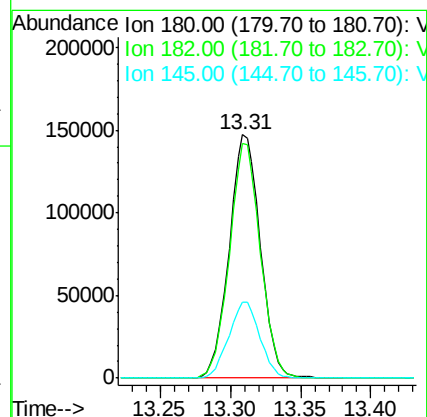
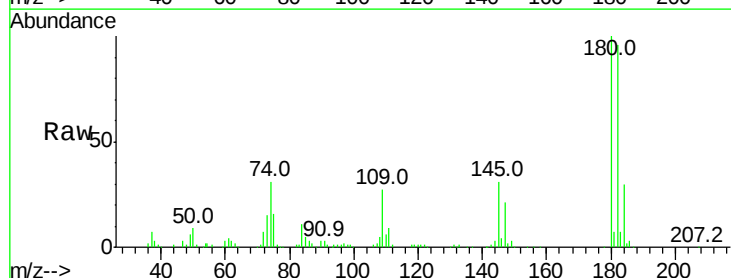
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

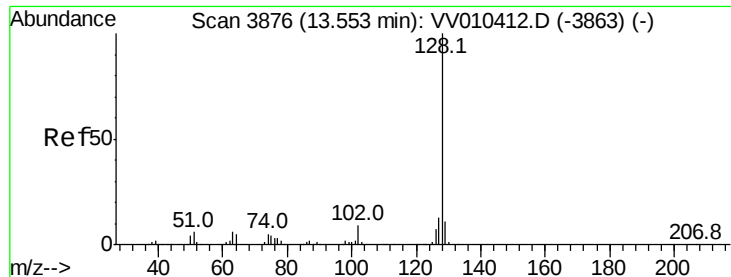
Tgt Ion:180 Resp: 296552
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 30.1 24.1 36.1
 145 30.6 24.5 36.7



#68
 1,2,4-trichlorobenzene
 Concen: 21.797 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010412.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:180 Resp: 226767
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 31.4 25.1 37.7





#69

Naphthalene

Concen: 18.608 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02579

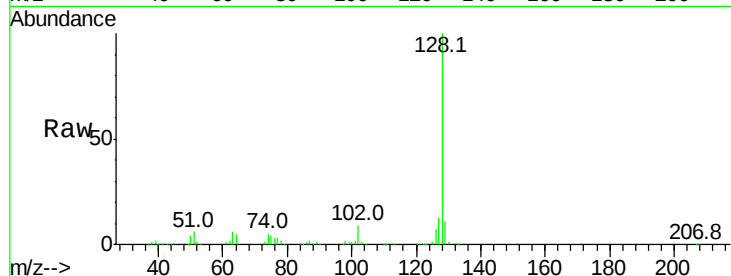
Tgt Ion:128 Resp: 357498

Ion Ratio Lower Upper

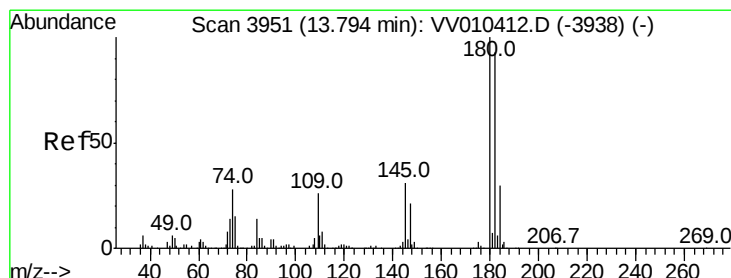
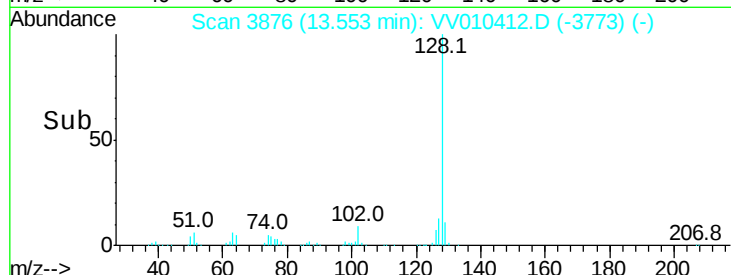
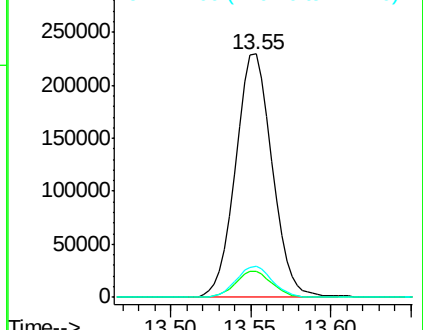
128 100

129 10.5 8.4 12.6

127 12.7 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: 20.931 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010412.D

Acq: 22 Apr 2019 13:34

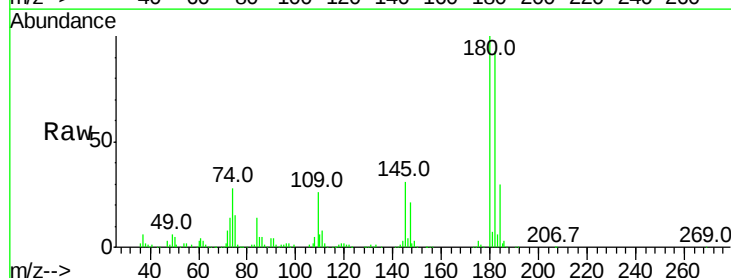
Tgt Ion:180 Resp: 211597

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 32.3 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

