

Data File : VV011203.D
Acq On : 04 Jun 2019 13:27
Operator : SY/MD
Sample : VSTD00102
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00138

Quant Time: Jun 04 14:16:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 14:12:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191410	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	174320	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75470	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14924	1.33	ug/L	0.00
7) Chloroethane-d5	1.58	69	12190	1.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	30576	1.36	ug/L	0.00
20) 2-Butanone-d5	3.96	46	32187	12.18	ug/L	0.00
24) Chloroform-d	4.40	84	24878	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13959	1.14	ug/L	0.00
32) Benzene-d6	5.10	84	54458	1.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16802	1.26	ug/L	0.00
41) Toluene-d8	7.36	98	48856	1.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6223	1.31	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	26747	14.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11338	1.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	15794	1.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	19338	1.109 ug/L	99
3) Chloromethane	1.25	50	18928	1.278 ug/L	98
5) Vinyl chloride	1.32	62	18161	1.214 ug/L	# 67
6) Bromomethane	1.53	94	9869	1.095 ug/L	94
8) Chloroethane	1.59	64	11452	1.747 ug/L	94
9) Trichlorofluoromethane	1.76	101	25338	1.060 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12526	0.996 ug/L	97
12) 1,1-Dichloroethene	2.13	96	13335	1.168 ug/L	90
13) Acetone	2.21	43	22173	14.135 ug/L	100
14) Carbon disulfide	2.31	76	37297	1.193 ug/L	95
15) Methyl Acetate	2.47	43	5837	1.203 ug/L	92
16) Methylene chloride	2.53	84	13305	0.976 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	32872	1.212 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	13908	1.063 ug/L	99
19) 1,1-Dichloroethane	3.23	63	26507	1.106 ug/L	95
21) 2-Butanone	4.05	43	33340	12.505 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	15432	1.099 ug/L	98
23) Bromochloromethane	4.30	128	5513	0.927 ug/L	96
25) Chloroform	4.43	83	29881	1.167 ug/L	98
27) 1,2-Dichloroethane	5.18	62	17372	1.185 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	23359	1.167 ug/L	99
30) Cyclohexane	4.72	56	25293	1.342 ug/L	98
31) Carbon tetrachloride	4.87	117	19190	1.071 ug/L	95
33) Benzene	5.14	78	56970	1.186 ug/L	100
34) Trichloroethene	5.96	95	14891	1.101 ug/L	96
35) Methylcyclohexane	6.17	83	24968	1.274 ug/L	96
37) 1,2-Dichloropropane	6.22	63	13997	1.192 ug/L	99
38) Bromodichloromethane	6.56	83	17316	1.157 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	19293	1.213 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	90938	14.112 ug/L	99

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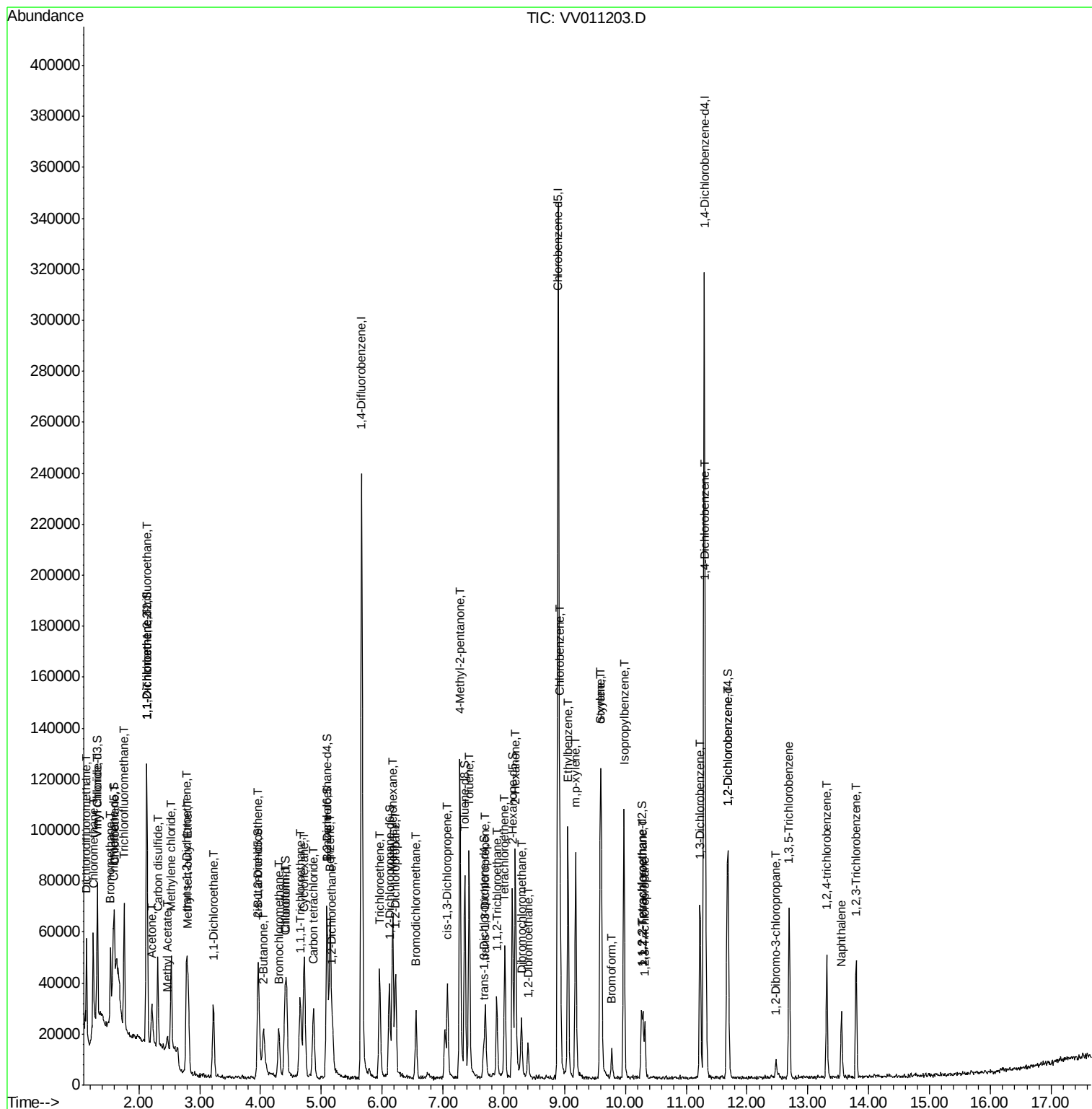
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	60931	1.134	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	14968	1.206	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	9047	1.085	ug/L	98
47) Tetrachloroethene	8.02	164	10848	1.016	ug/L	95
48) 2-Hexanone	8.19	43	59705	12.917	ug/L	99
49) Dibromochloromethane	8.29	129	9827	1.012	ug/L	90
50) 1,2-Dibromoethane	8.40	107	8795	1.180	ug/L	97
51) Chlorobenzene	8.92	112	36606	1.048	ug/L	95
52) Ethylbenzene	9.05	91	67196	1.179	ug/L	97
53) m,p-xylene	9.18	106	25005	1.146	ug/L	99
54) o-xylene	9.59	106	24040	1.131	ug/L	95
55) Styrene	9.60	104	38284	1.086	ug/L	96
56) Isopropylbenzene	9.97	105	64557	1.170	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	10928	1.160	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	8381	1.256	ug/L	94
61) Bromoform	9.77	173	4699	1.033	ug/L	91
62) 1,3-Dichlorobenzene	11.22	146	25837	1.067	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	25636	1.062	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	24972	1.085	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	1736	1.316	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	18500	1.018	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	13180	0.967	ug/L	92
69) Naphthalene	13.55	128	19805	0.950	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	11515	0.947	ug/L	97

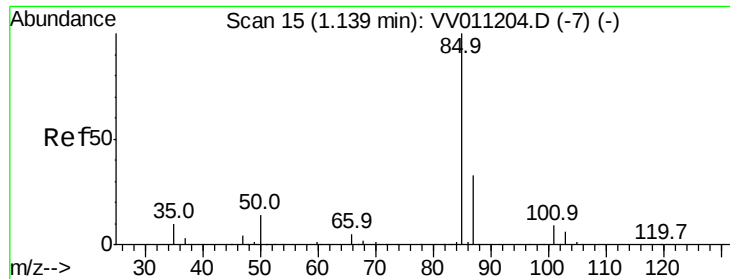
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.109 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

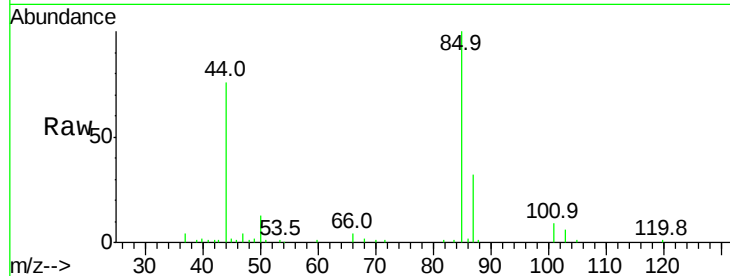
VSTD00138

Tgt Ion: 85 Resp: 19338

Ion Ratio Lower Upper

85 100

87 33.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011204.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011204.D (-7) (-)

1.14

25000

20000

15000

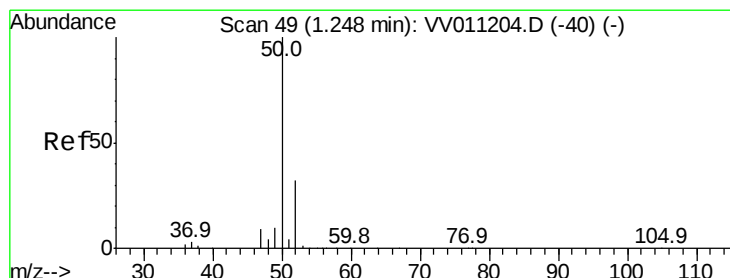
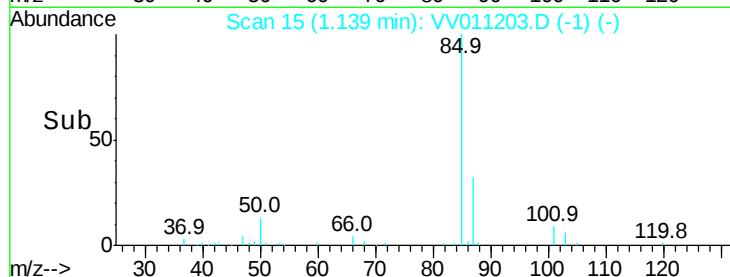
10000

5000

0

Time-->

1.10 1.15



#3

Chloromethane

Concen: 1.278 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011203.D

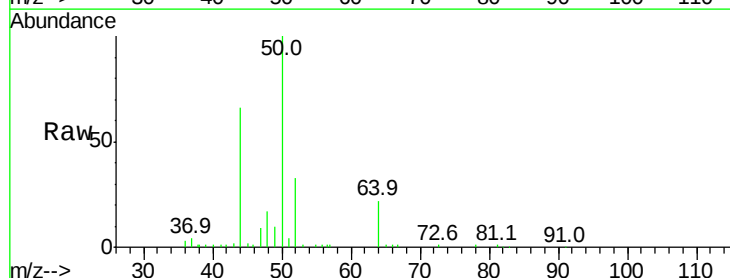
Acq: 04 Jun 2019 13:27

Tgt Ion: 50 Resp: 18928

Ion Ratio Lower Upper

50 100

52 32.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011204.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV011204.D (-40) (-)

1.25

20000

15000

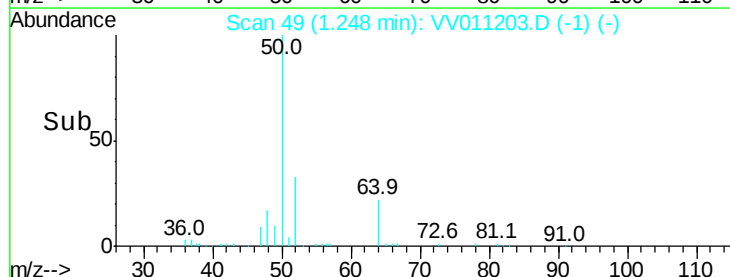
10000

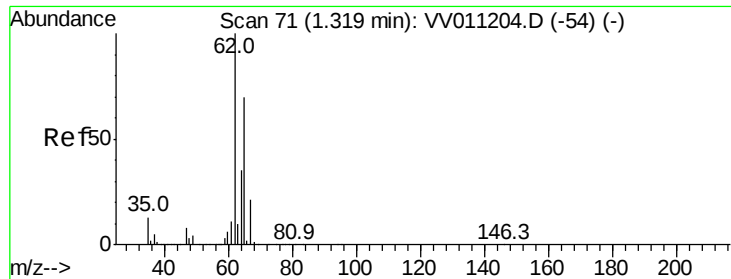
5000

0

Time-->

1.20 1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 1.214 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

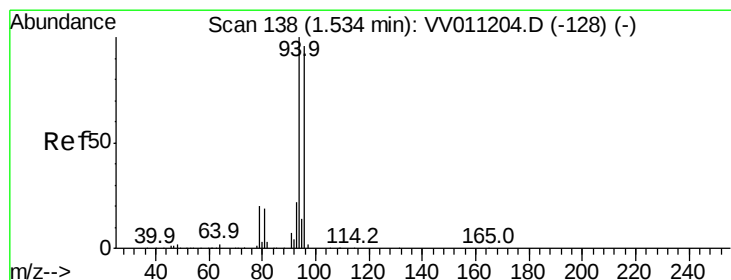
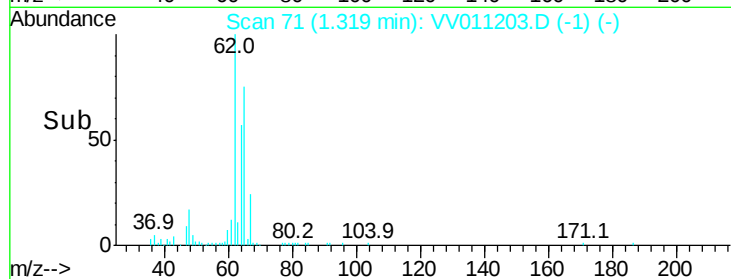
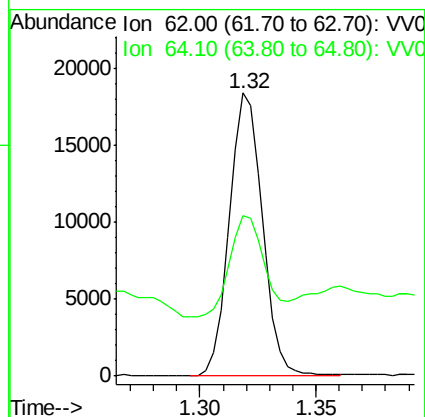
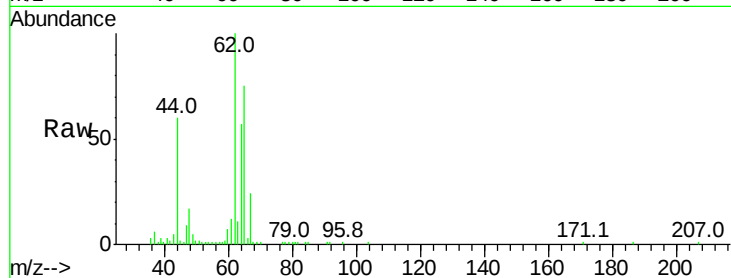
VSTD00138

Tgt Ion: 62 Resp: 18161

Ion Ratio Lower Upper

62 100

64 56.6 25.9 48.1#



#6

Bromomethane

Concen: 1.095 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV011203.D

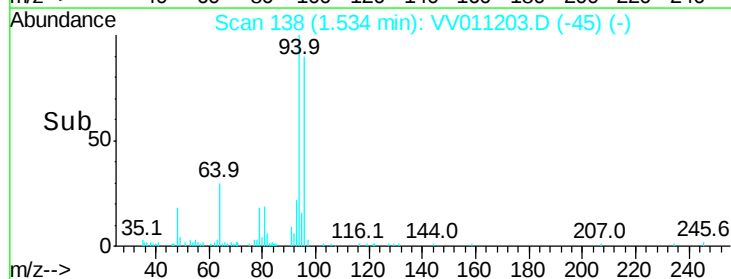
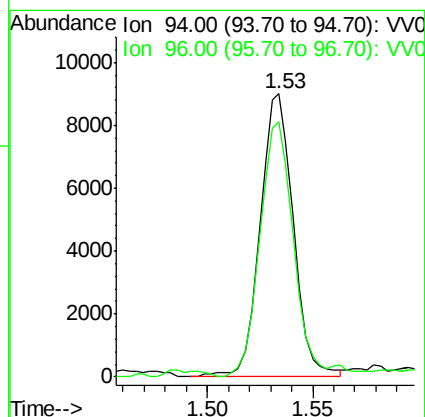
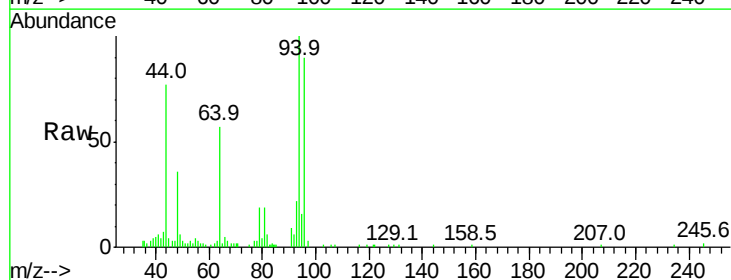
Acq: 04 Jun 2019 13:27

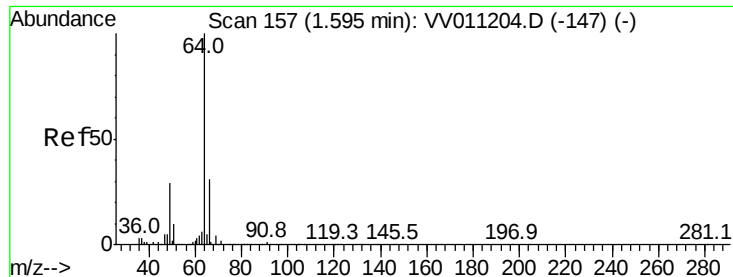
Tgt Ion: 94 Resp: 9869

Ion Ratio Lower Upper

94 100

96 90.2 67.0 124.4





#8

Chloroethane

Concen: 1.747 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

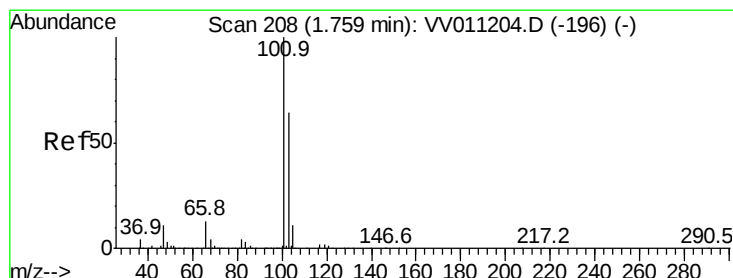
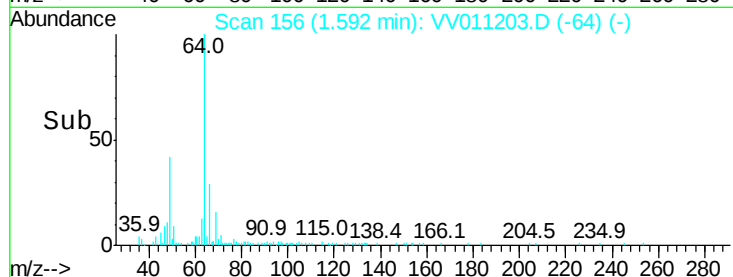
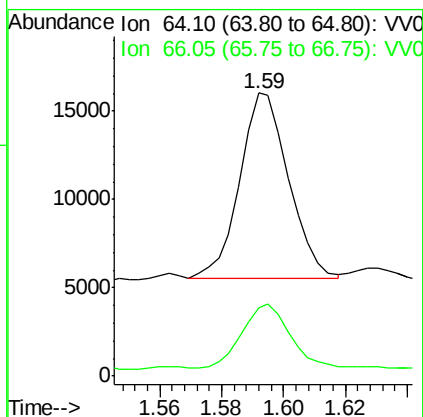
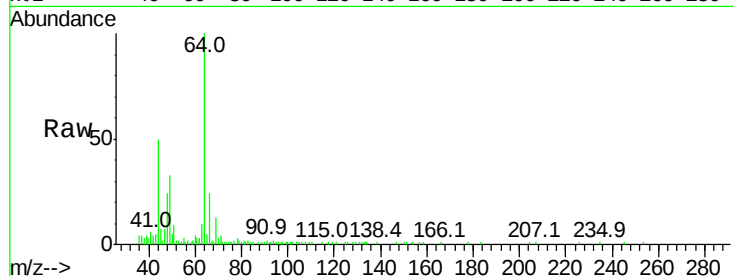
VSTD00138

Tgt Ion: 64 Resp: 11452

Ion Ratio Lower Upper

64 100

66 24.3 19.4 36.0



#9

Trichlorofluoromethane

Concen: 1.060 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV011203.D

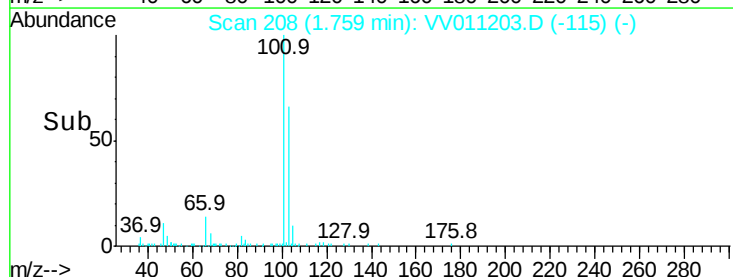
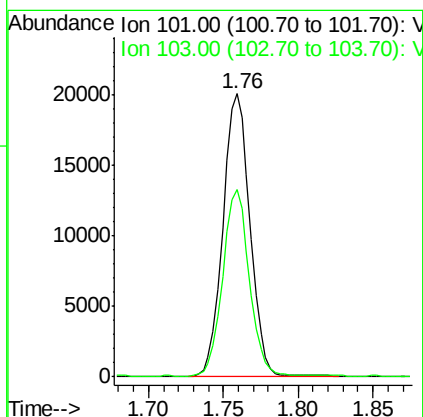
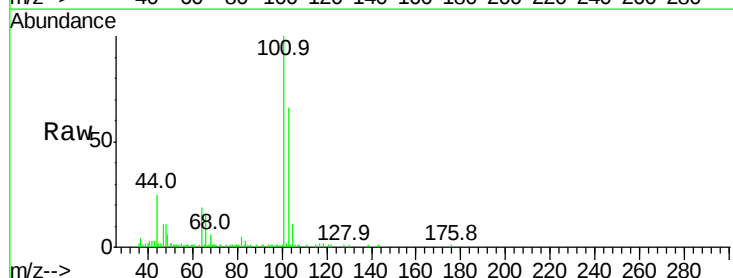
Acq: 04 Jun 2019 13:27

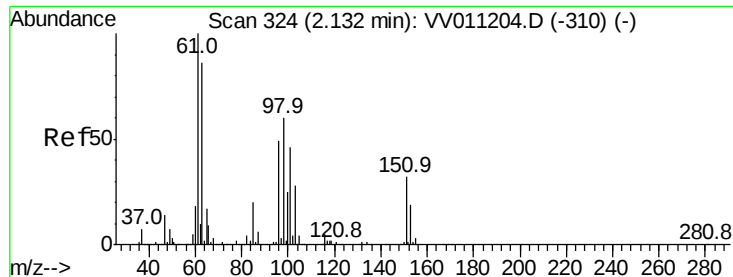
Tgt Ion: 101 Resp: 25338

Ion Ratio Lower Upper

101 100

103 65.5 50.8 76.2





#10

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

Concen: 0.996 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

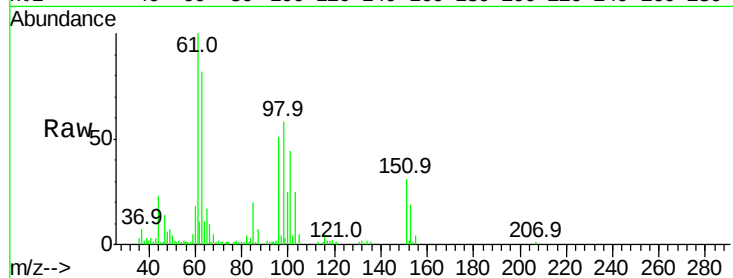
Tgt Ion: 101 Resp: 12526

Ion Ratio Lower Upper

101 100

85 47.9 35.5 53.3

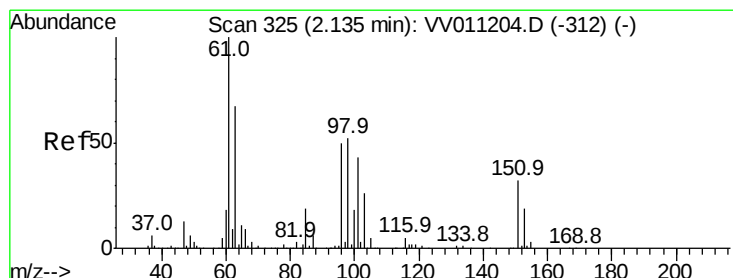
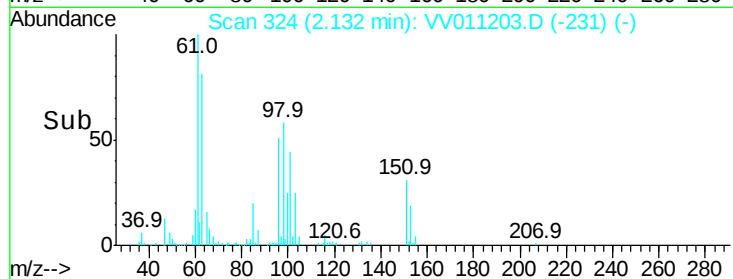
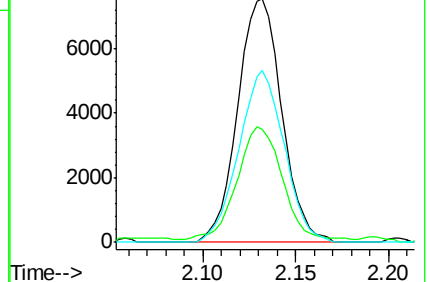
151 72.6 56.9 85.3



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: 1.168 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

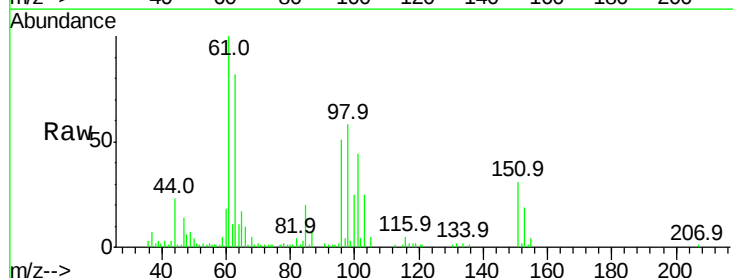
Tgt Ion: 96 Resp: 13335

Ion Ratio Lower Upper

96 100

61 195.4 139.8 259.6

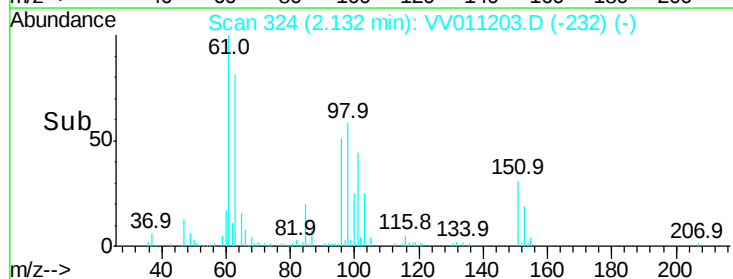
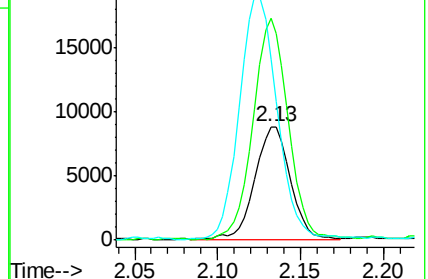
63 159.3 94.3 175.1

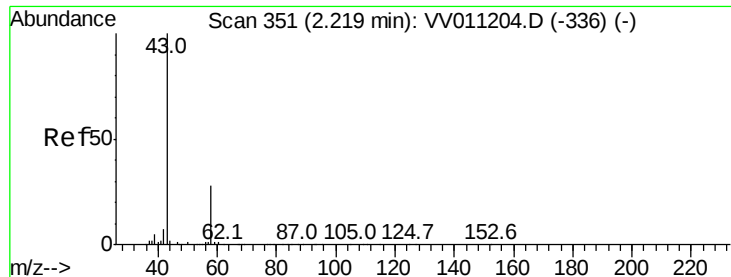


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 14.135 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

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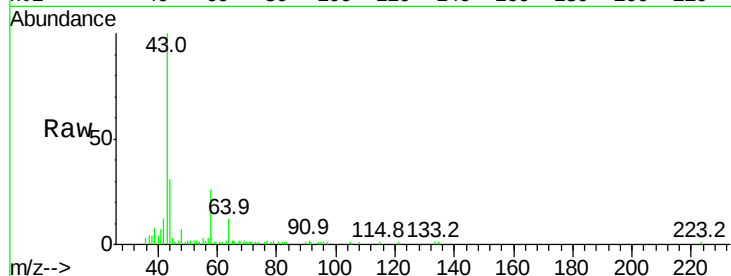
VSTD00138

Tgt Ion: 43 Resp: 22173

Ion Ratio Lower Upper

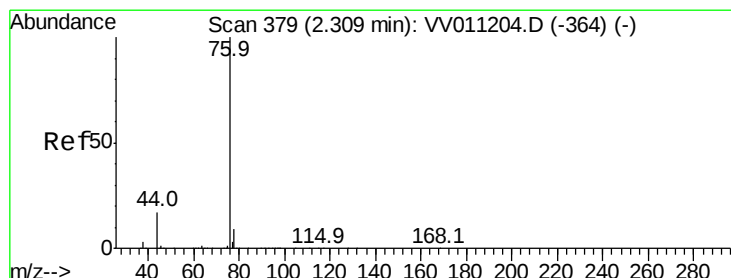
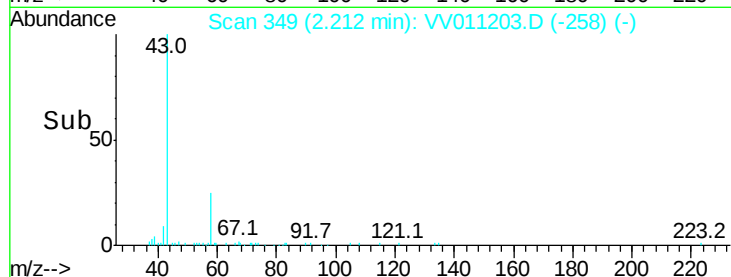
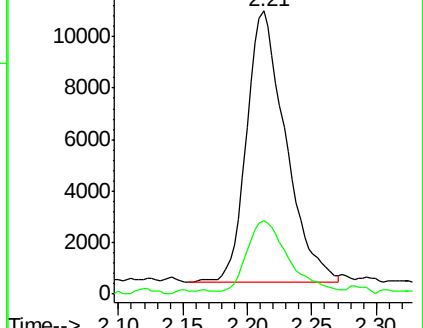
43 100

58 27.8 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011204.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV011204.D (-336) (-)



#14

Carbon disulfide

Concen: 1.193 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011203.D

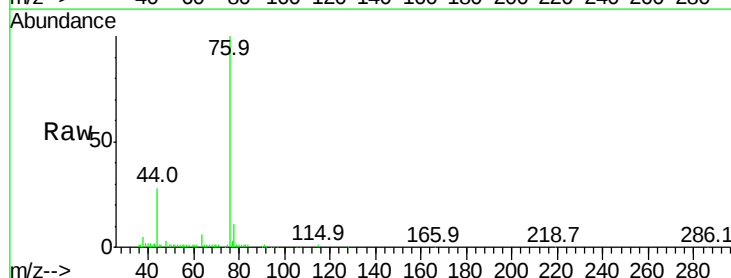
Acq: 04 Jun 2019 13:27

Tgt Ion: 76 Resp: 37297

Ion Ratio Lower Upper

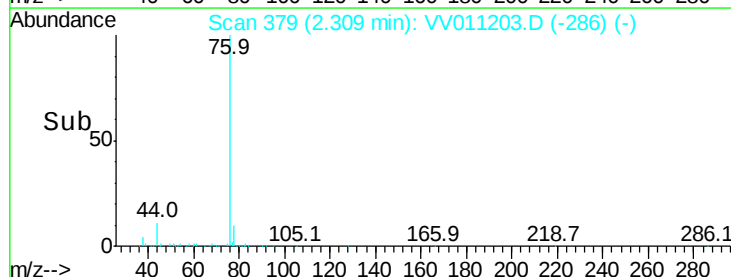
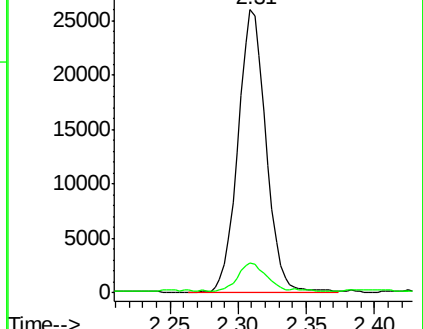
76 100

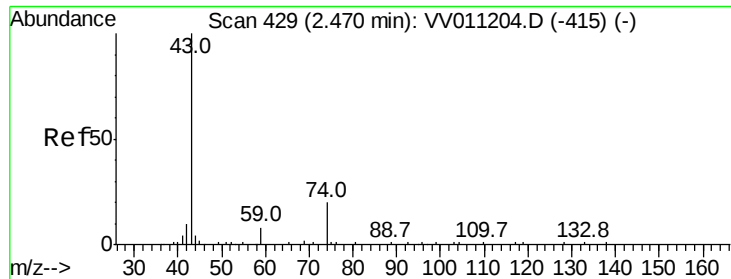
78 10.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011204.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV011204.D (-364) (-)

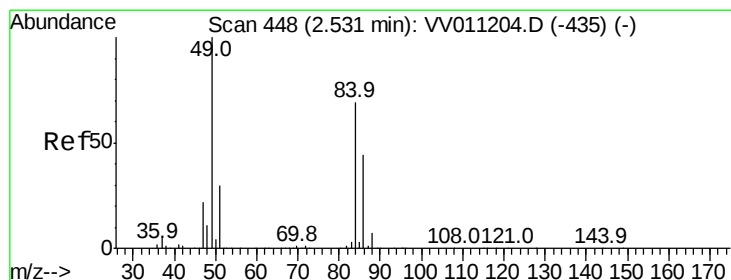
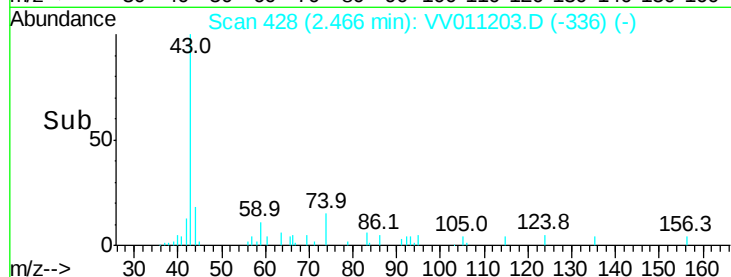
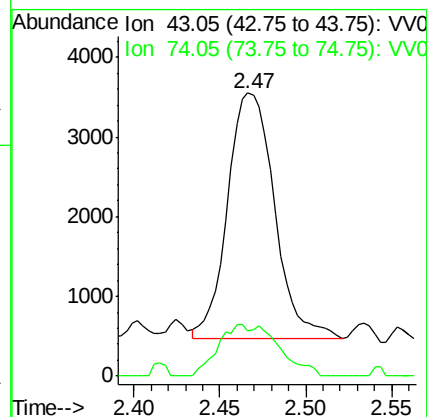
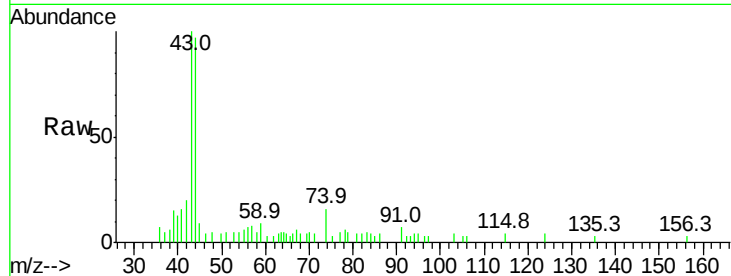




#15
Methyl Acetate
Concen: 1.203 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

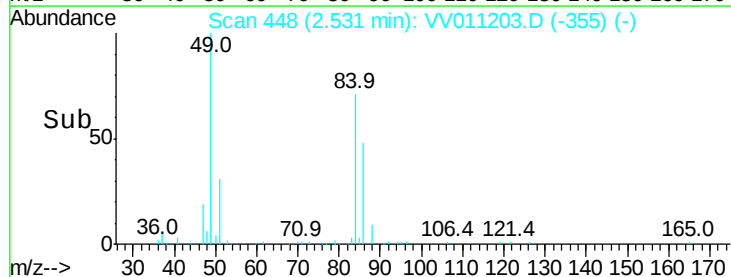
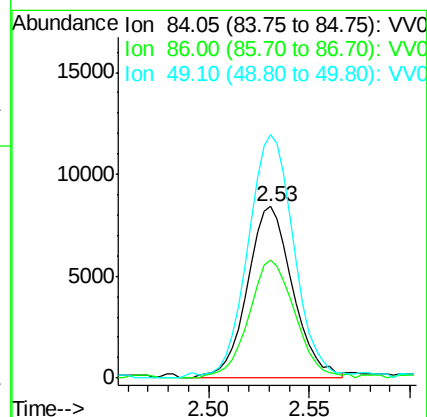
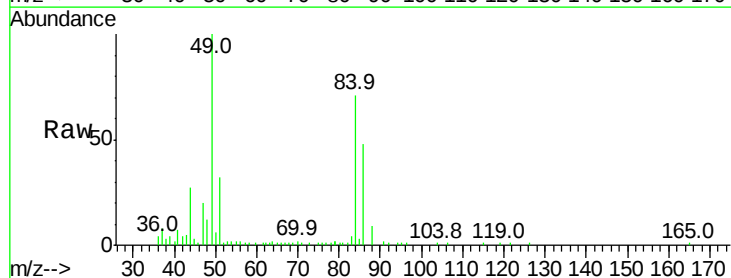
Instrument :
MSVOA_V
ClientSampleId :
VSTD00138

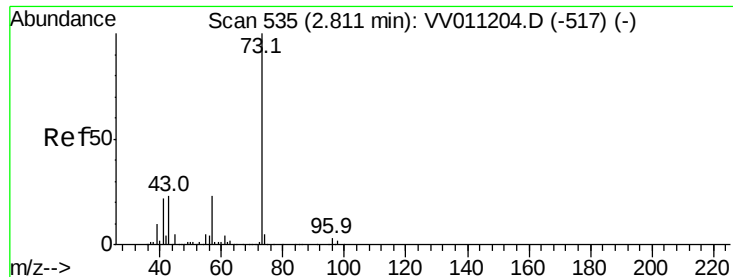
Tgt Ion: 43 Resp: 5837
Ion Ratio Lower Upper
43 100
74 26.9 18.5 27.7



#16
Methylene chloride
Concen: 0.976 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Tgt Ion: 84 Resp: 13305
Ion Ratio Lower Upper
84 100
86 68.5 44.9 83.3
49 141.6 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 1.212 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

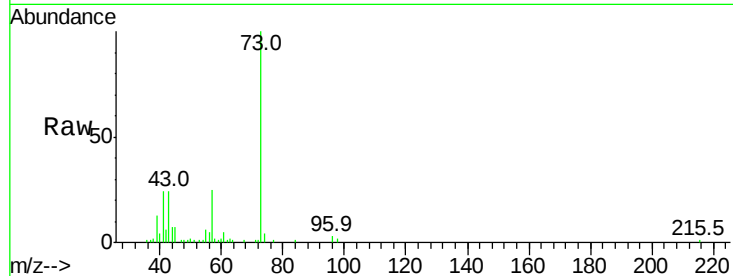
Tgt Ion: 73 Resp: 32872

Ion Ratio Lower Upper

73 100

43 22.6 18.7 28.1

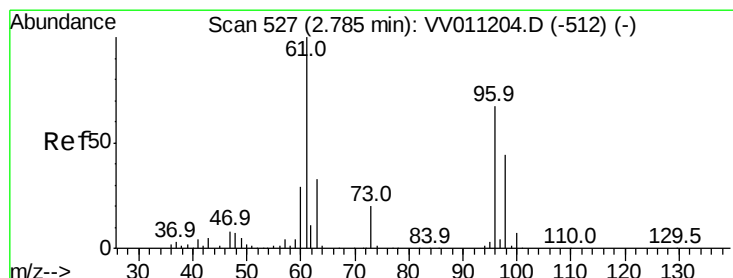
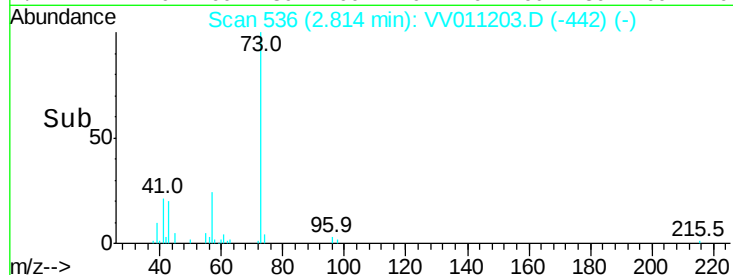
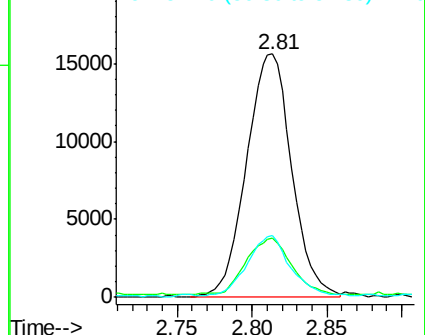
57 23.8 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV011203.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV011203.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV011203.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.063 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

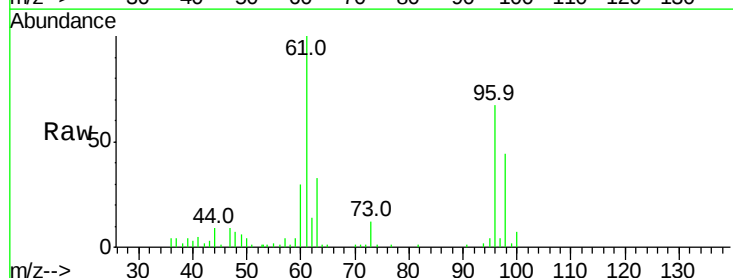
Tgt Ion: 96 Resp: 13908

Ion Ratio Lower Upper

96 100

61 150.2 104.0 193.2

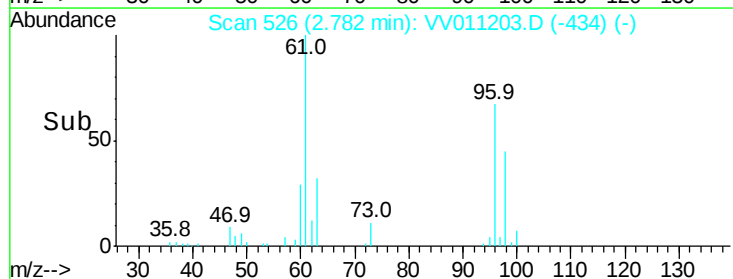
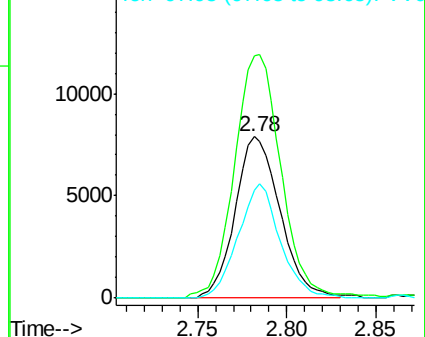
98 66.8 45.7 84.9

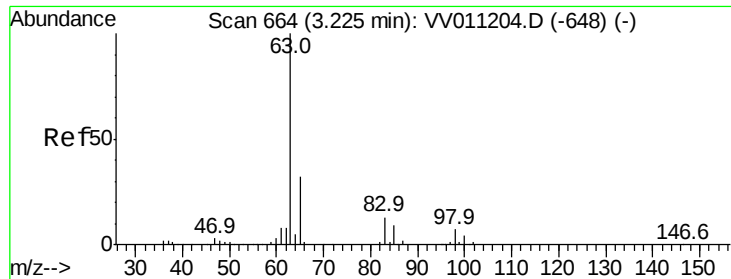


Abundance Ion 96.00 (95.70 to 96.70): VV011203.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VV011203.D (-434) (-)

Ion 97.95 (97.65 to 98.65): VV011203.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 1.106 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

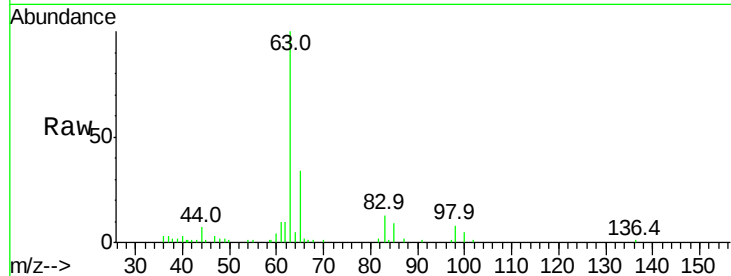
Tgt Ion: 63 Resp: 26507

Ion Ratio Lower Upper

63 100

65 35.2 22.1 41.1

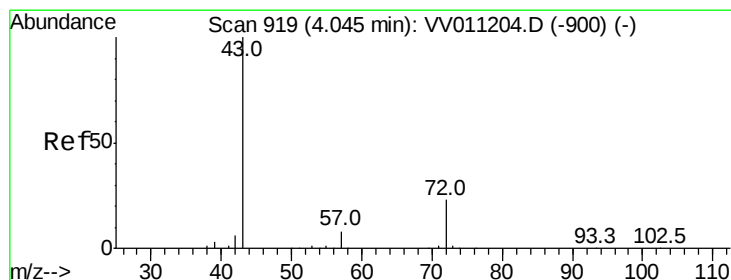
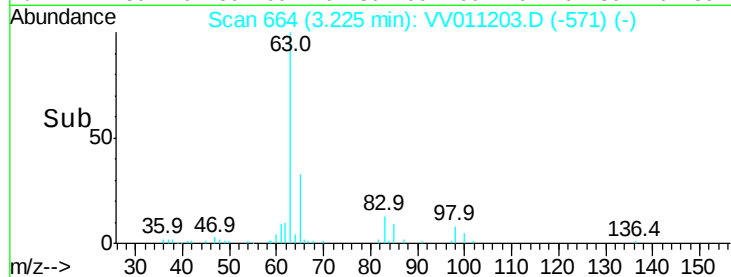
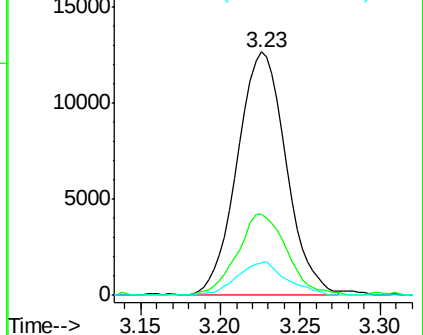
83 13.5 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 12.505 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VV011203.D

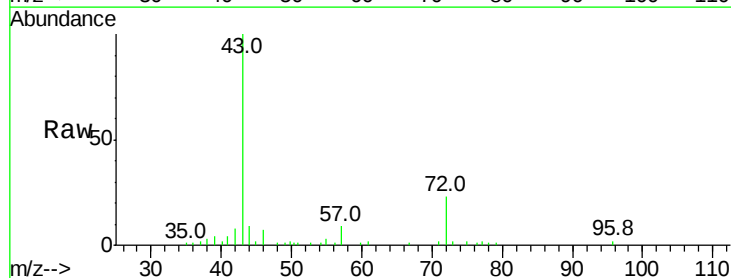
Acq: 04 Jun 2019 13:27

Tgt Ion: 43 Resp: 33340

Ion Ratio Lower Upper

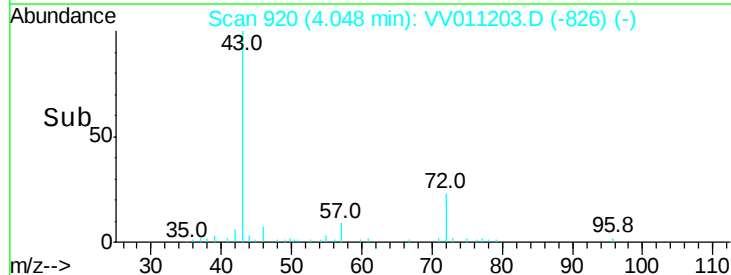
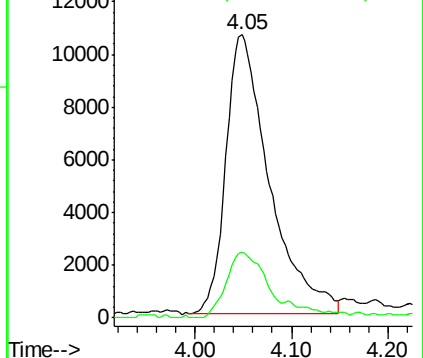
43 100

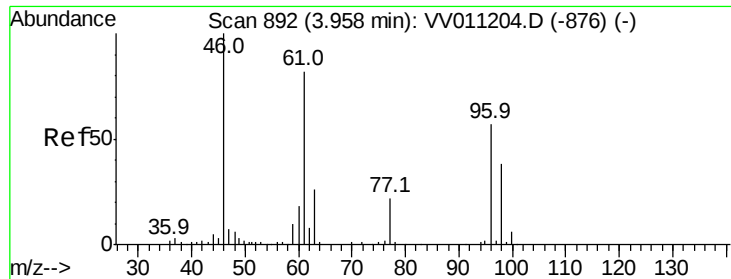
72 20.6 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



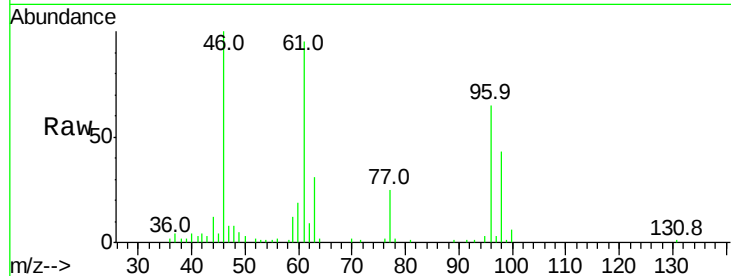


#22

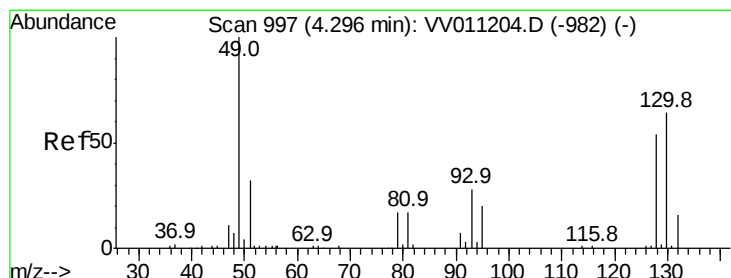
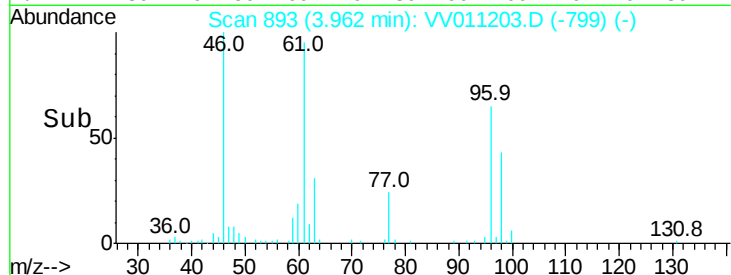
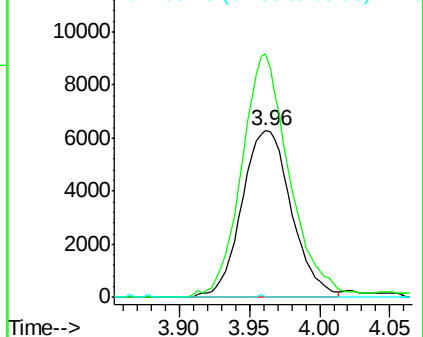
cis-1,2-Dichloroethene
Concen: 1.099 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00138

Tgt Ion: 96 Resp: 15432
Ion Ratio Lower Upper
96 100
61 146.2 100.8 187.2
68 0.0 0.0 0.0



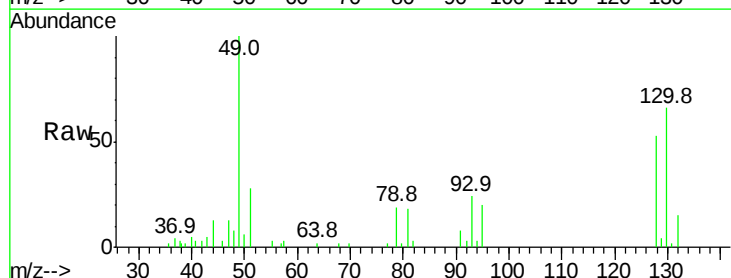
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



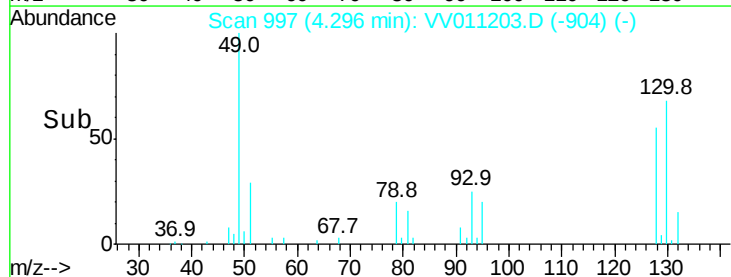
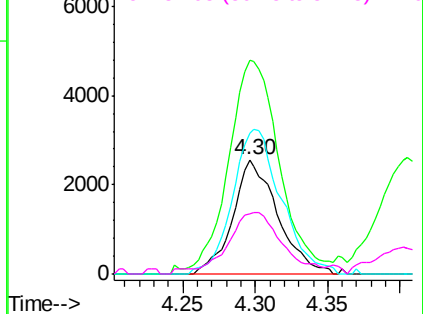
#23

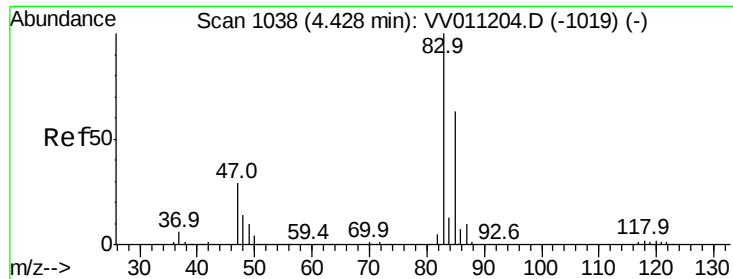
Bromochloromethane
Concen: 0.927 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Tgt Ion: 128 Resp: 5513
Ion Ratio Lower Upper
128 100
49 187.3 128.9 239.5
130 123.3 82.5 153.1
51 52.8 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

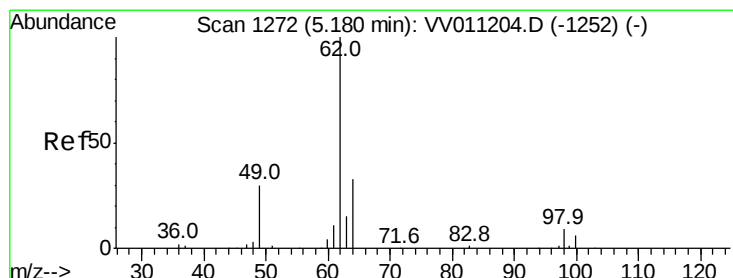
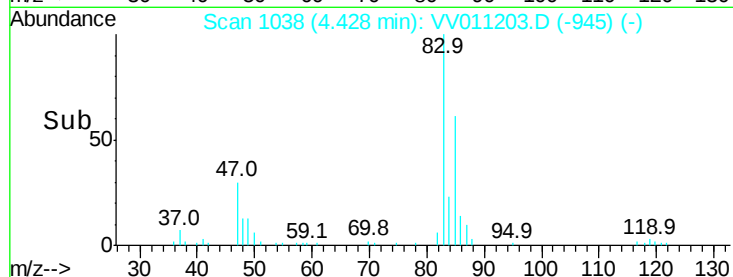
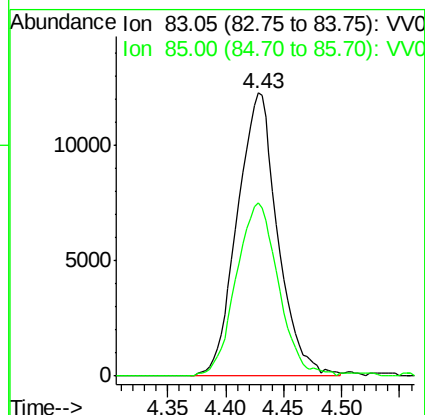
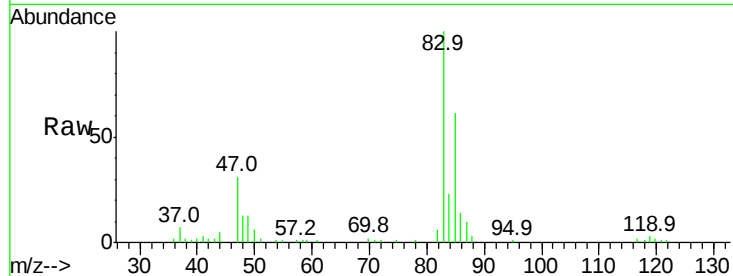




#25
Chloroform
Concen: 1.167 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

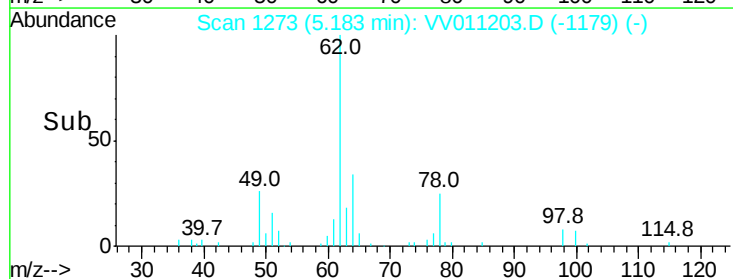
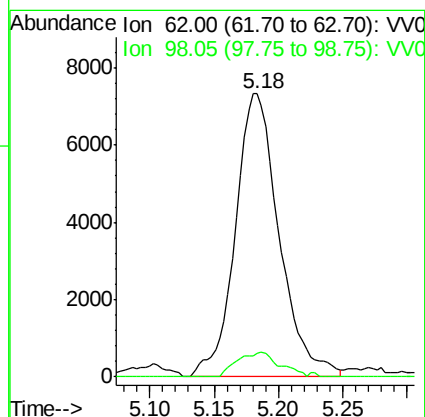
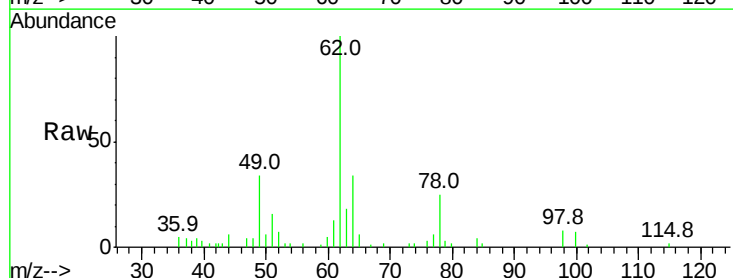
Instrument :
MSVOA_V
ClientSampled :
VSTD00138

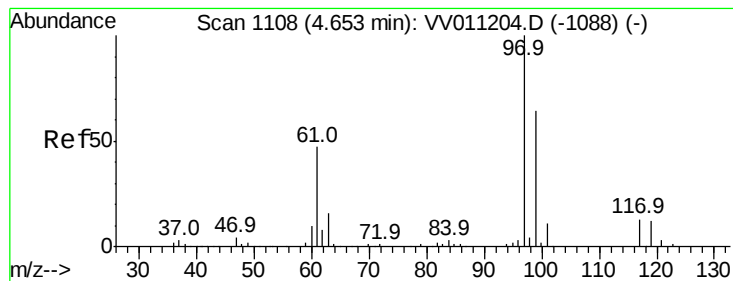
Tgt Ion: 83 Resp: 29881
Ion Ratio Lower Upper
83 100
85 61.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 1.185 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Tgt Ion: 62 Resp: 17372
Ion Ratio Lower Upper
62 100
98 8.4 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 1.167 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

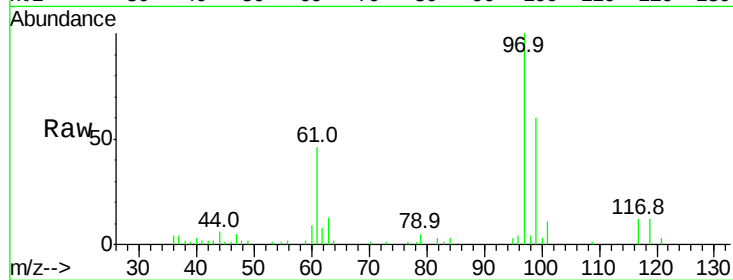
Tgt Ion: 97 Resp: 23359

Ion Ratio Lower Upper

97 100

99 62.6 50.8 76.2

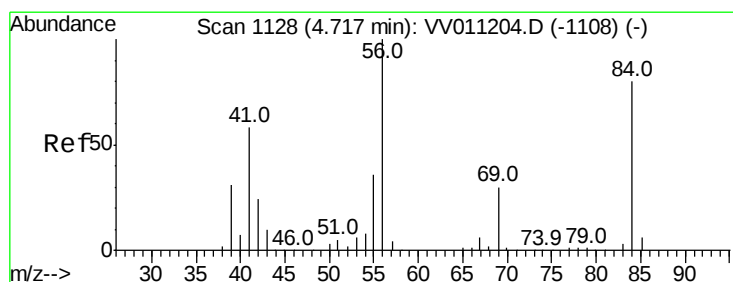
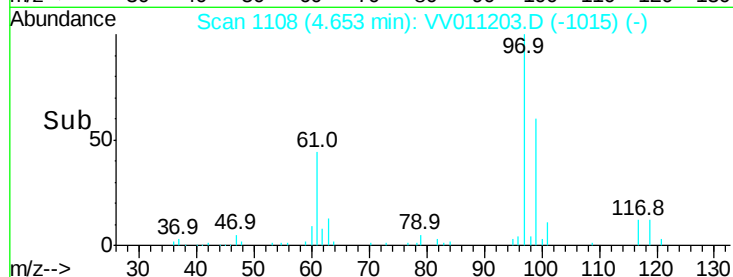
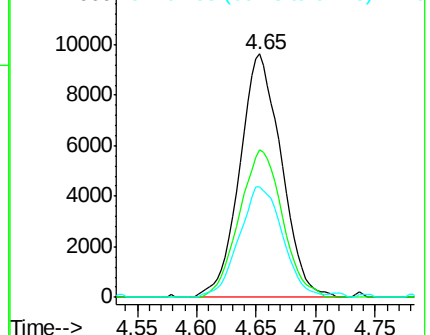
61 47.4 38.9 58.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 1.342 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

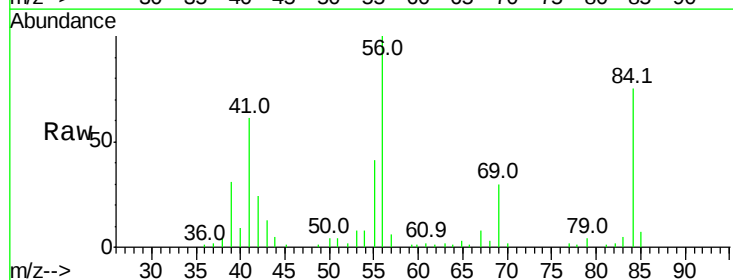
Tgt Ion: 56 Resp: 25293

Ion Ratio Lower Upper

56 100

69 32.4 24.1 36.1

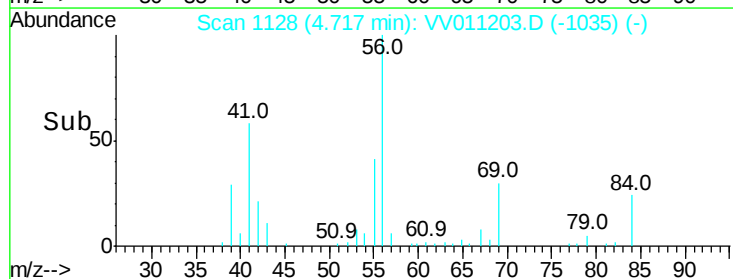
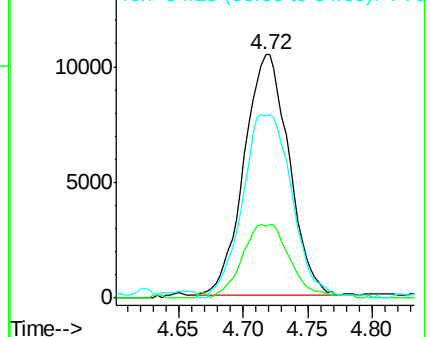
84 83.7 66.4 99.6

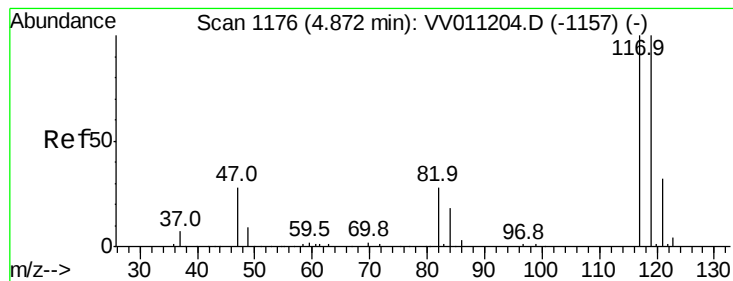


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.071 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

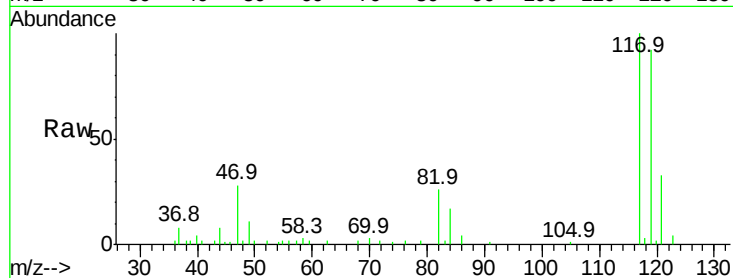
VSTD00138

Tgt Ion:117 Resp: 19190

Ion Ratio Lower Upper

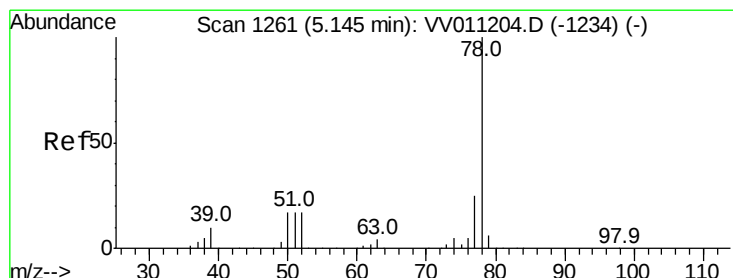
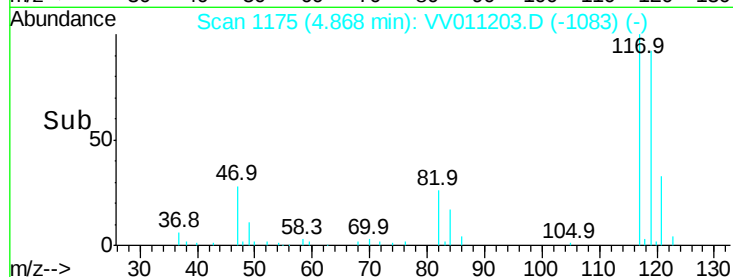
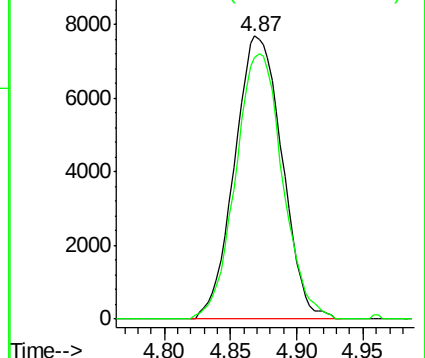
117 100

119 92.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.186 ug/L

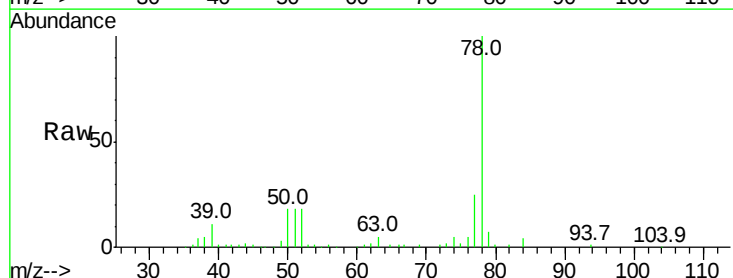
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

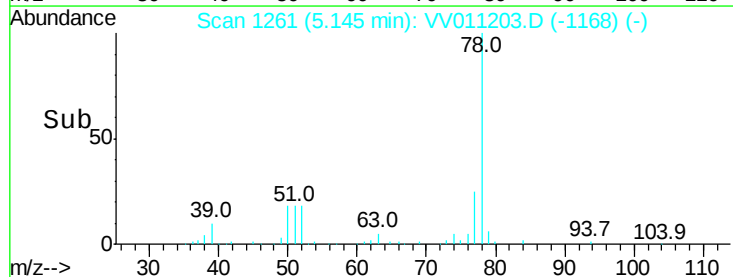
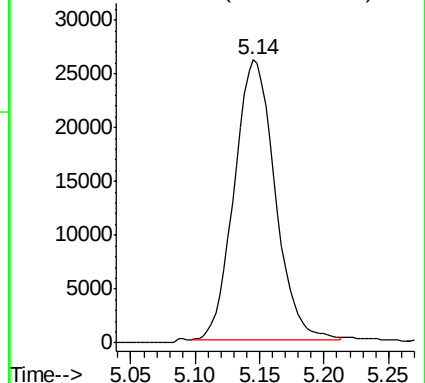
Lab File: VV011203.D

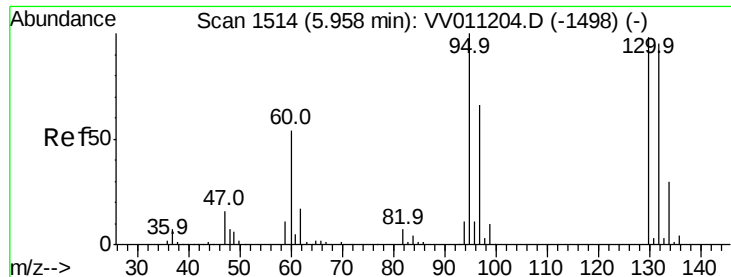
Acq: 04 Jun 2019 13:27

Tgt Ion: 78 Resp: 56970



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.101 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

Tgt Ion: 95 Resp: 14891

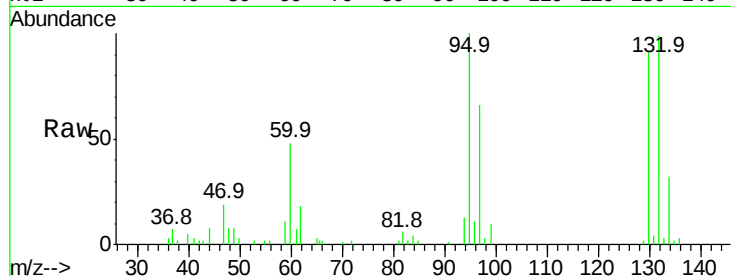
Ion Ratio Lower Upper

95 100

97 66.5 45.8 85.2

132 98.8 66.4 123.2

130 91.0 68.3 126.8

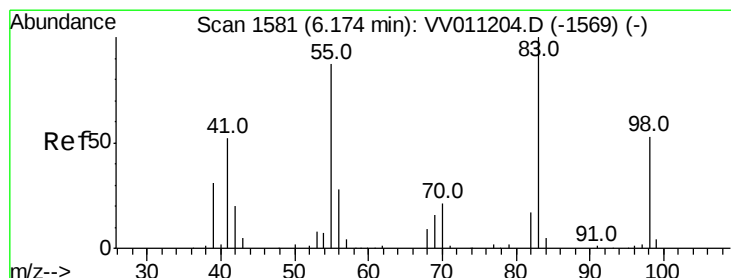
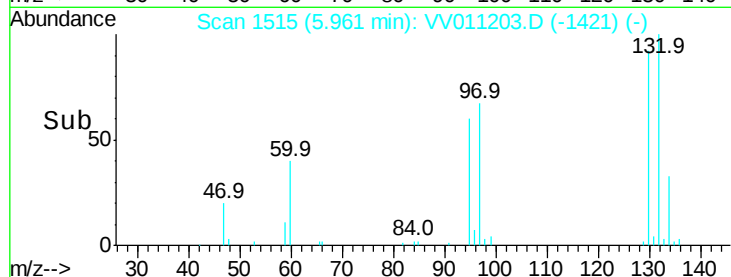
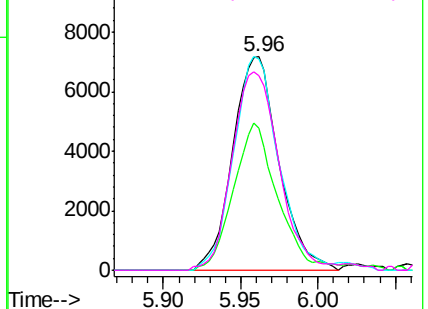


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.274 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

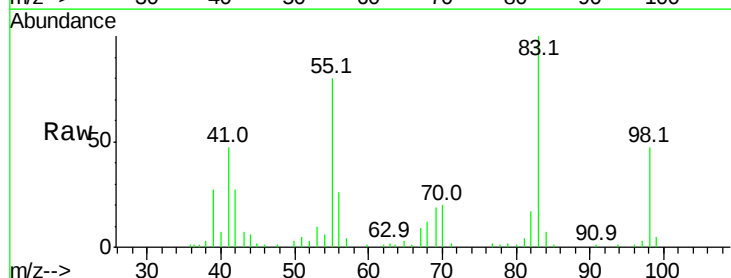
Tgt Ion: 83 Resp: 24968

Ion Ratio Lower Upper

83 100

55 78.5 67.0 100.6

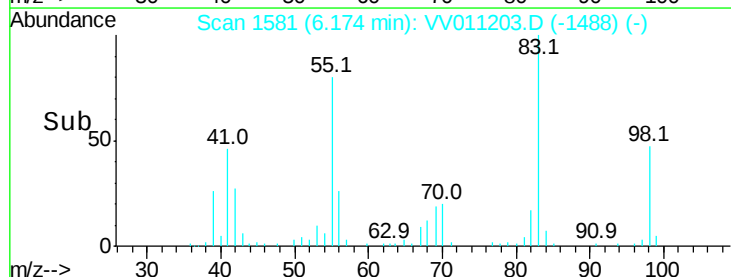
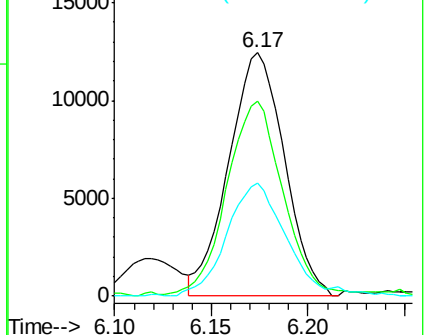
98 49.7 40.0 60.0

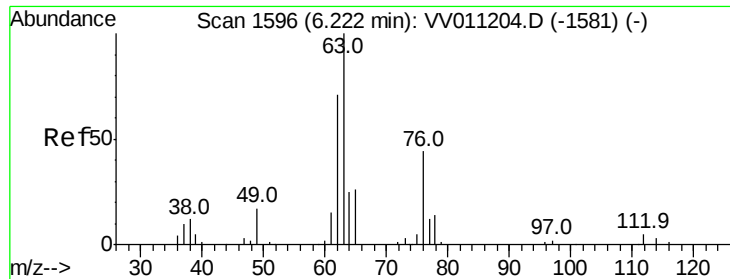


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

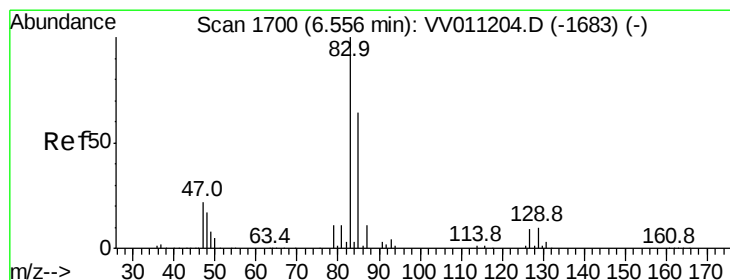
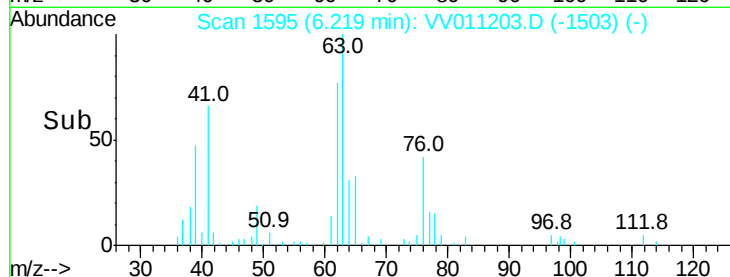
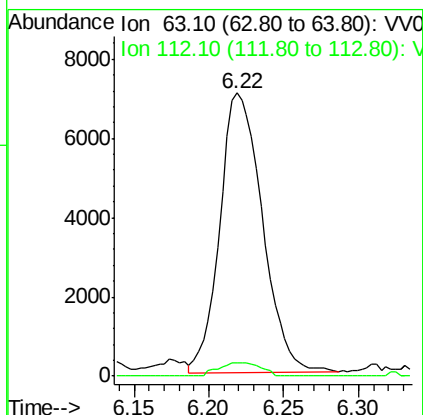
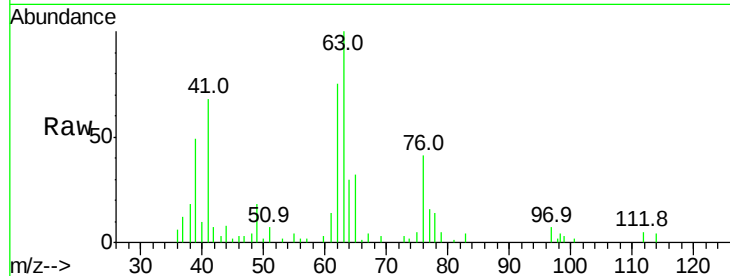




#37
 1,2-Dichloropropane
 Concen: 1.192 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

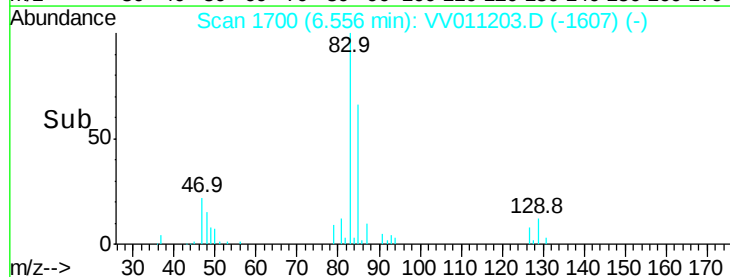
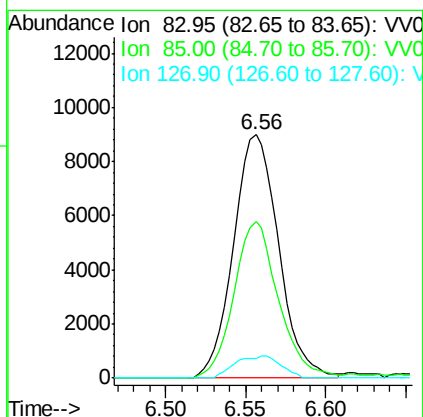
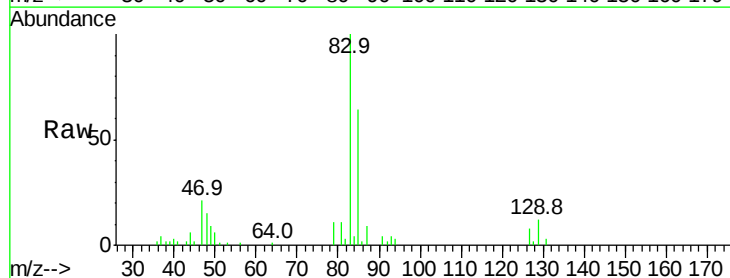
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00138

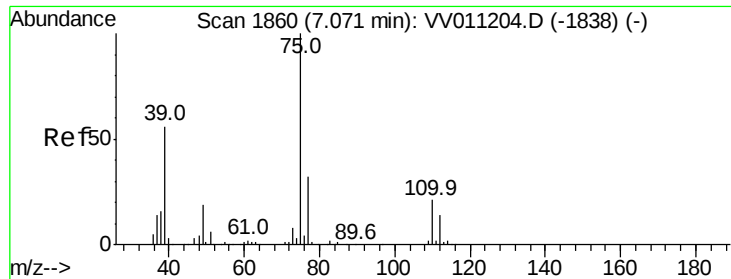
Tgt Ion: 63 Resp: 13997
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 1.157 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Tgt Ion: 83 Resp: 17316
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.5 82.7
 127 10.1 7.0 10.4

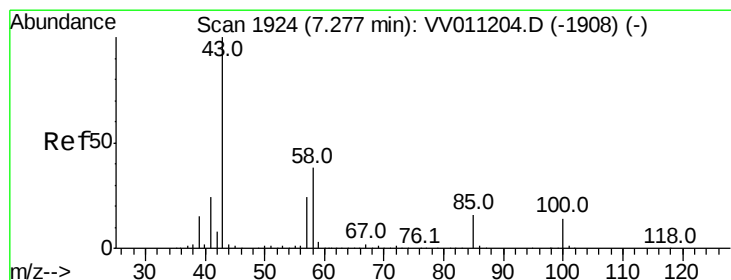
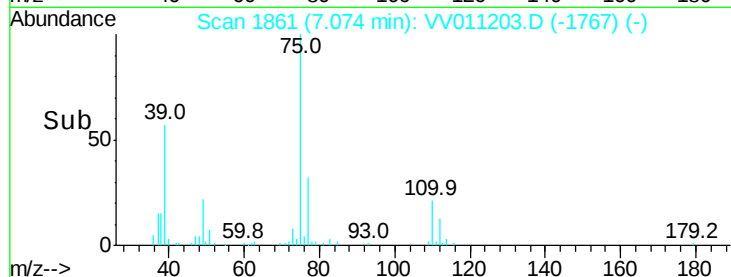
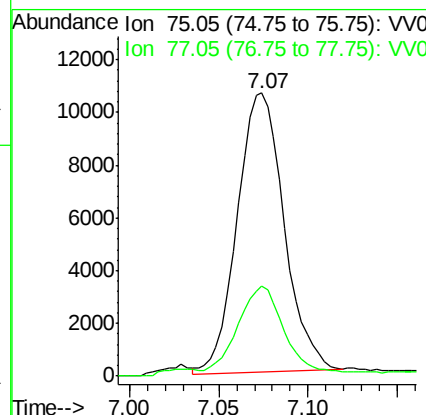
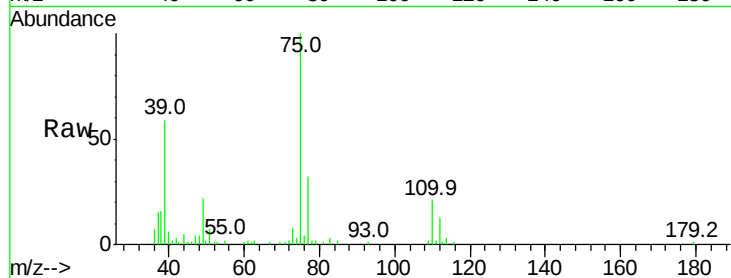




#39
 cis-1,3-Dichloropropene
 Concen: 1.213 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

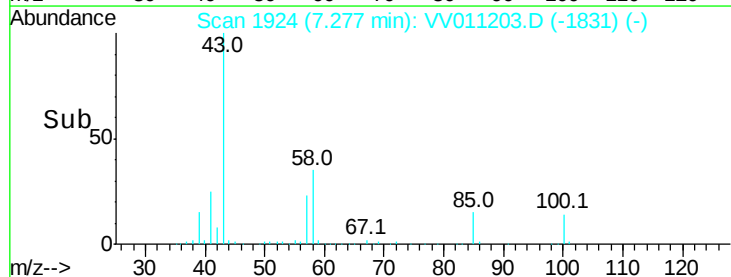
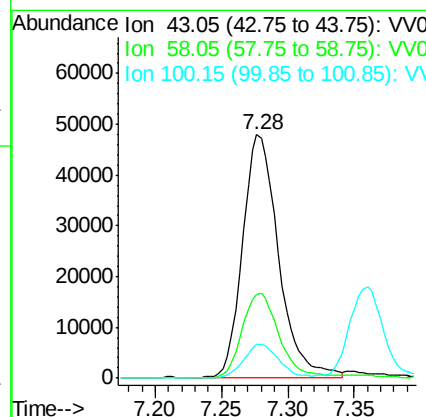
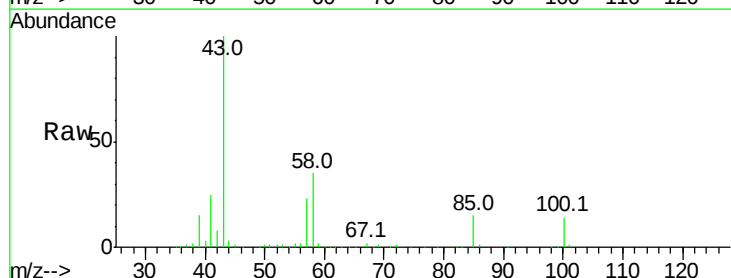
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00138

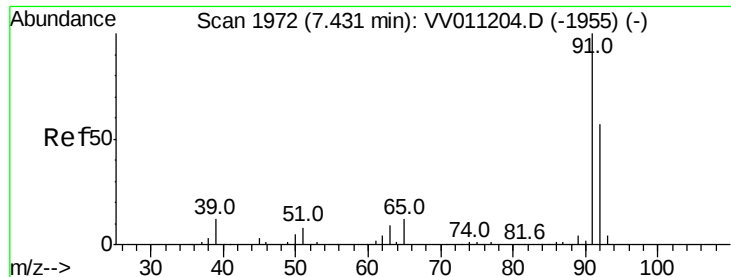
Tgt Ion: 75 Resp: 19293
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 14.112 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Tgt Ion: 43 Resp: 90938
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.3 43.9
 100 13.5 10.6 16.0





#42

Toluene

Concen: 1.134 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

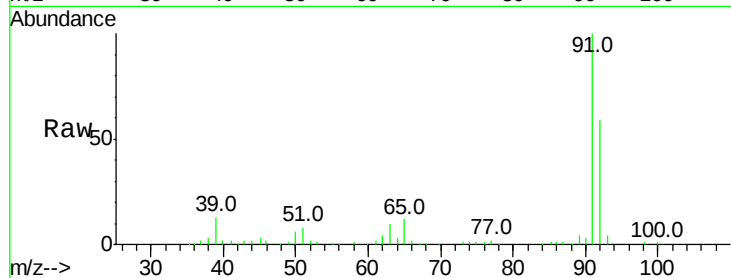
VSTD00138

Tgt Ion: 91 Resp: 60931

Ion Ratio Lower Upper

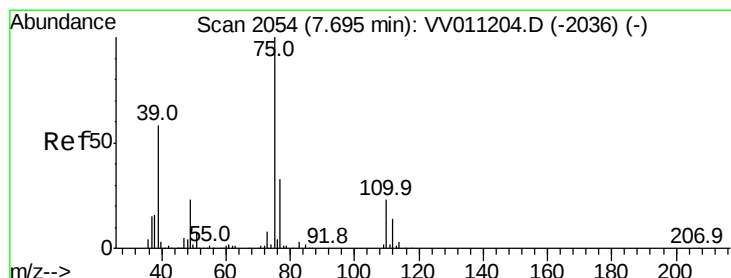
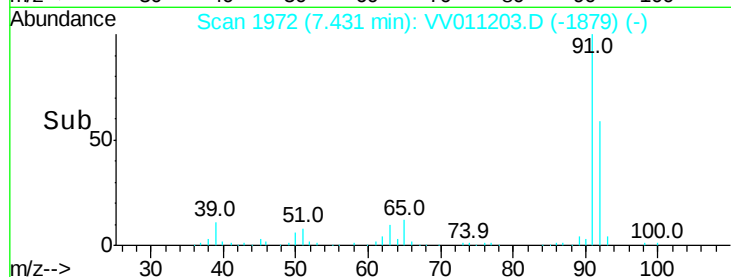
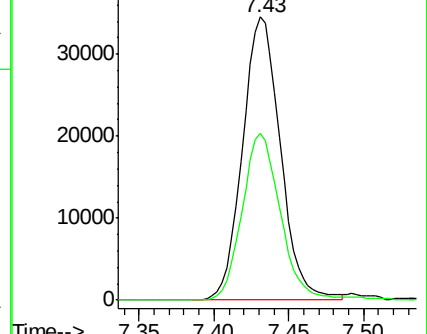
91 100

92 59.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.206 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011203.D

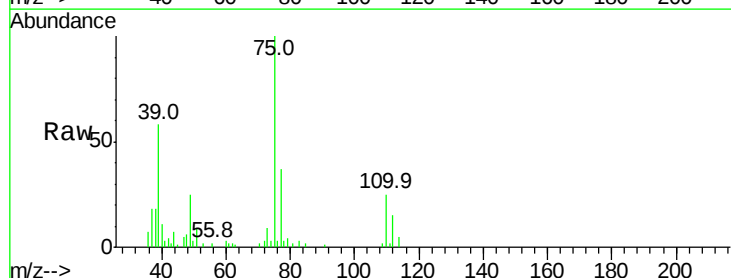
Acq: 04 Jun 2019 13:27

Tgt Ion: 75 Resp: 14968

Ion Ratio Lower Upper

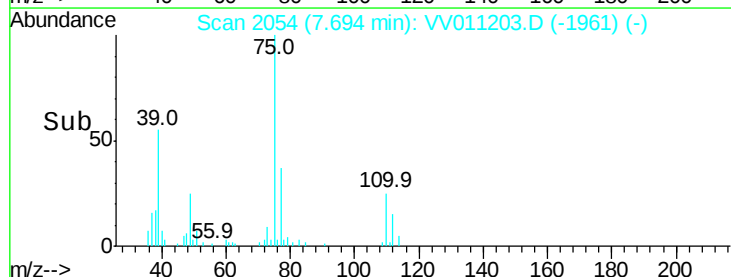
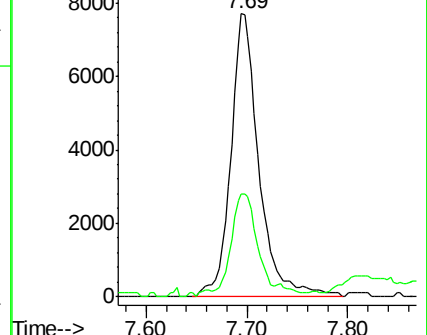
75 100

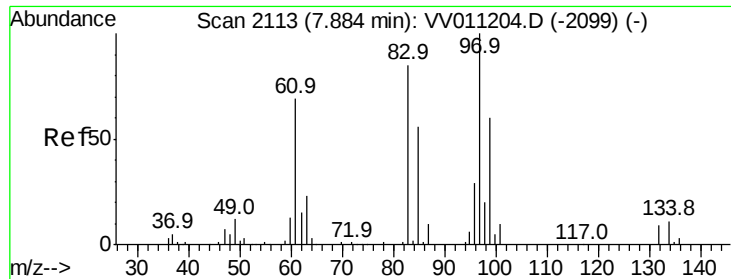
77 36.5 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 1.085 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

Tgt Ion: 97 Resp: 9047

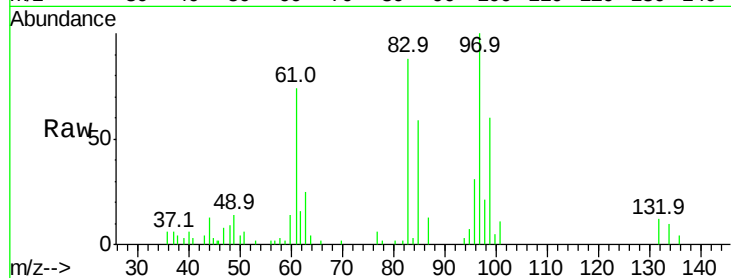
Ion Ratio Lower Upper

97 100

99 60.0 42.1 78.3

83 87.5 59.4 110.2

85 59.3 39.7 73.7

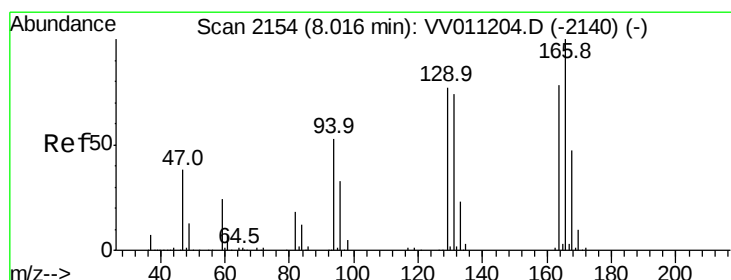
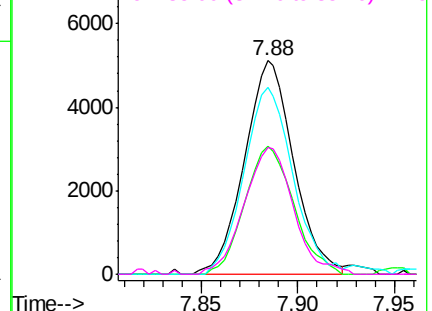
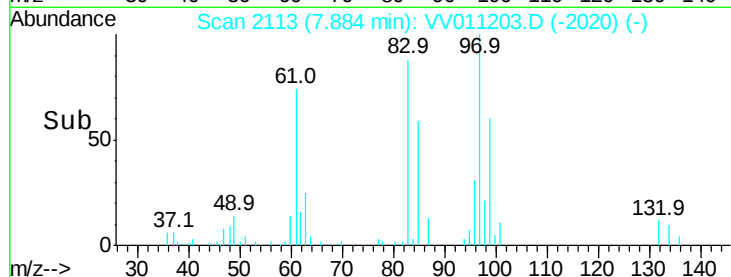


Abundance Ion 96.95 (96.65 to 97.65): VV011203.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV011203.D (-2020) (-)

Ion 82.95 (82.65 to 83.65): VV011203.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV011203.D (-2020) (-)



#47

Tetrachloroethene

Concen: 1.016 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Tgt Ion: 164 Resp: 10848

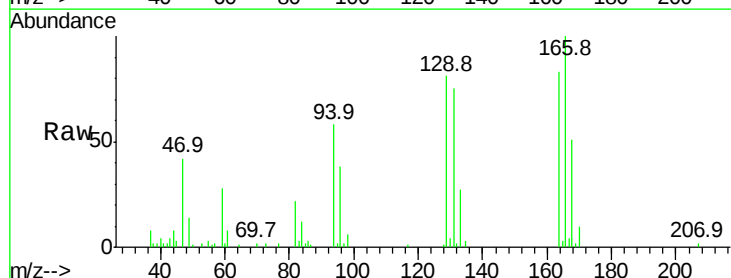
Ion Ratio Lower Upper

164 100

129 97.1 69.9 129.9

131 90.4 66.8 124.2

166 120.5 90.2 167.6

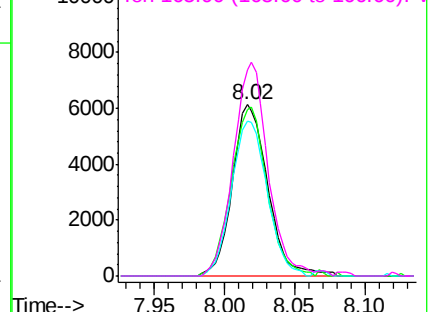
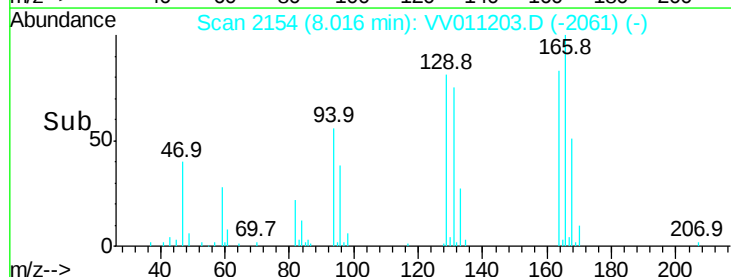


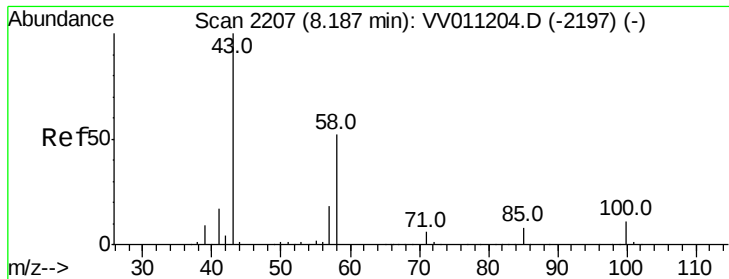
Abundance Ion 163.90 (163.60 to 164.60): VV011203.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011203.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011203.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011203.D (-2061) (-)

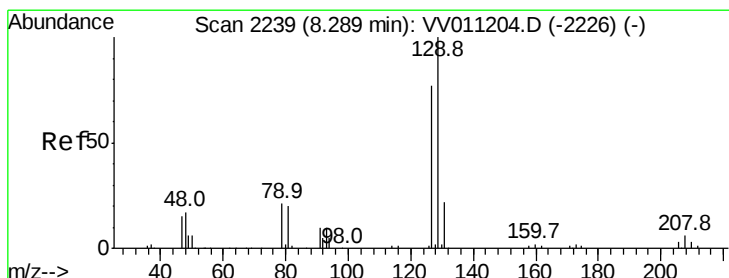
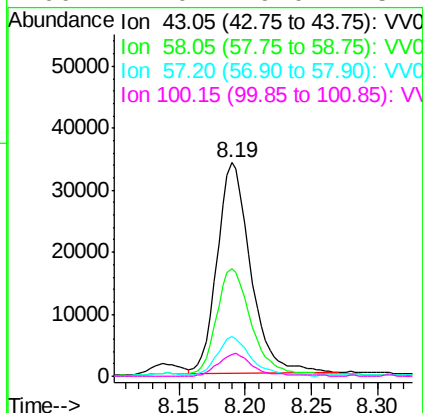
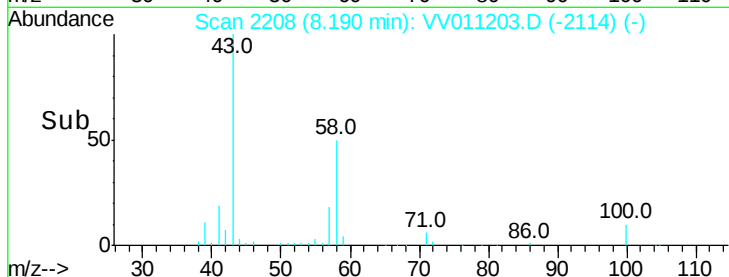
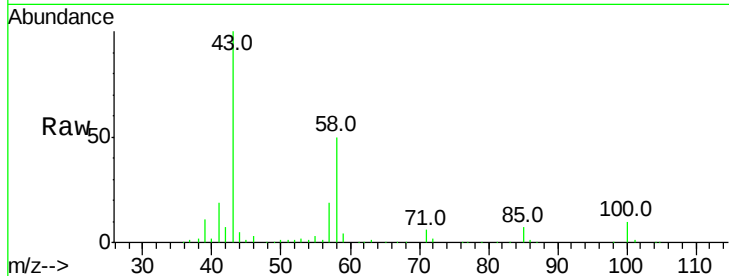




#48
2-Hexanone
Concen: 12.917 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

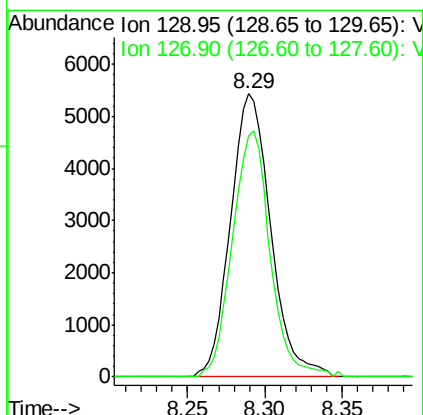
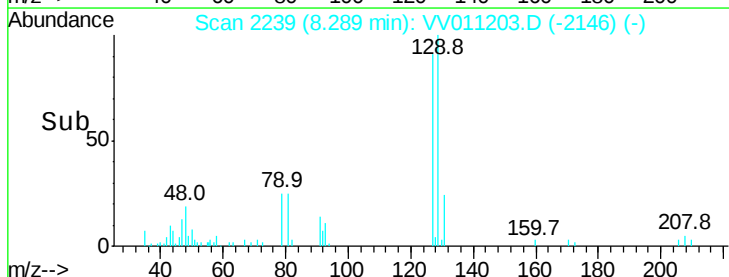
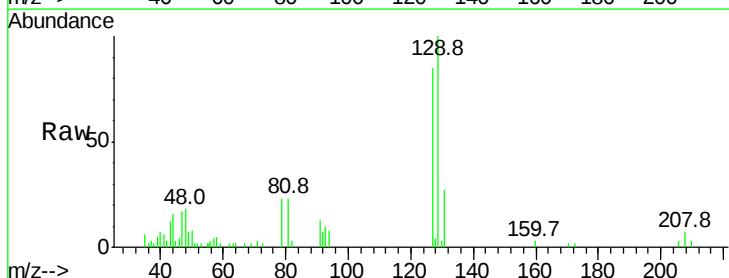
Instrument :
MSVOA_V
ClientSampleId :
VSTD00138

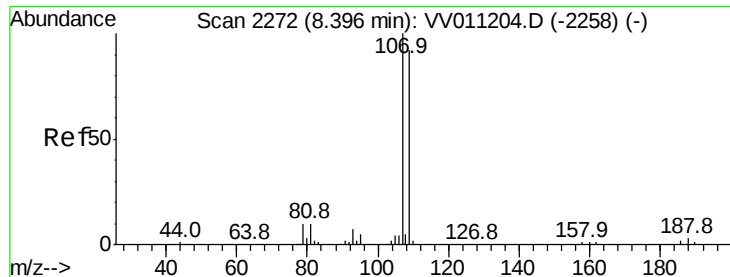
Tgt Ion: 43 Resp: 59705
Ion Ratio Lower Upper
43 100
58 52.3 41.4 62.0
57 19.4 15.0 22.4
100 11.0 9.0 13.4



#49
Dibromochloromethane
Concen: 1.012 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Tgt Ion: 129 Resp: 9827
Ion Ratio Lower Upper
129 100
127 85.1 53.7 99.7

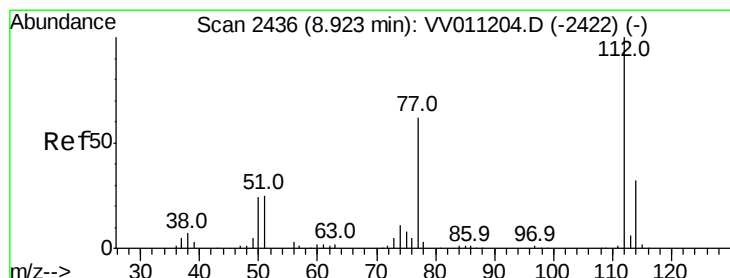
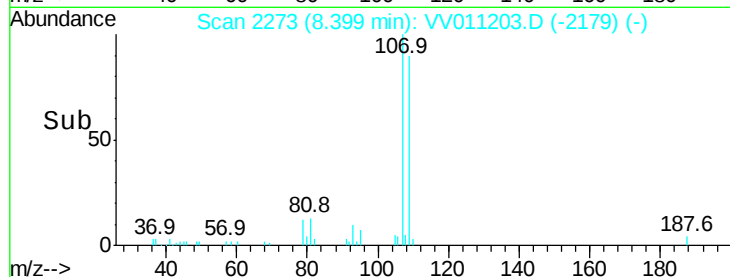
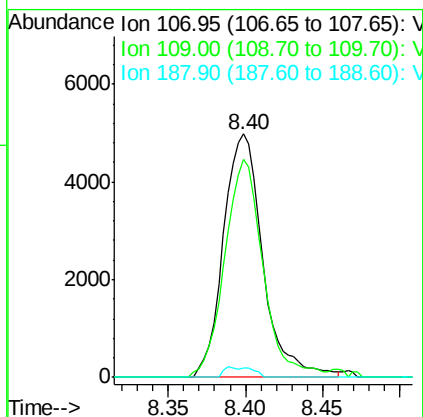
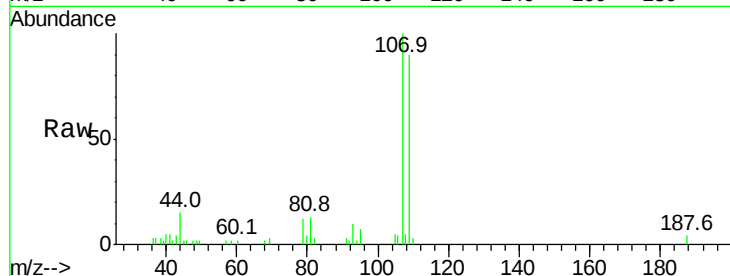




#50
1,2-Dibromoethane
Concen: 1.180 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

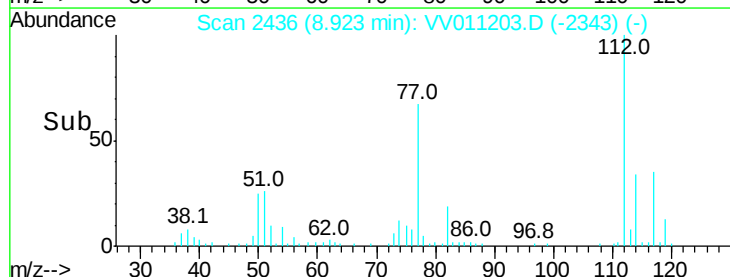
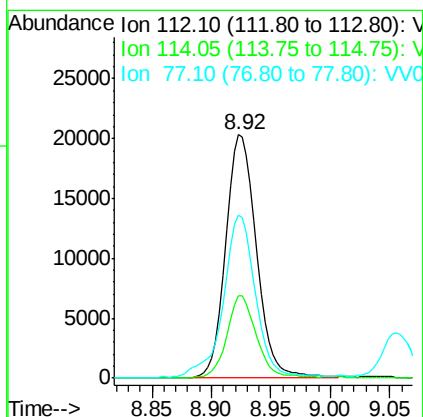
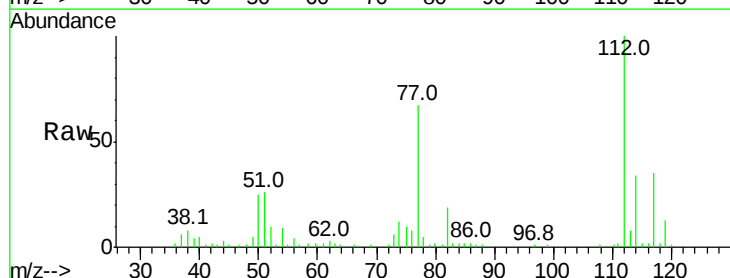
Instrument :
MSVOA_V
ClientSampleId :
VSTD00138

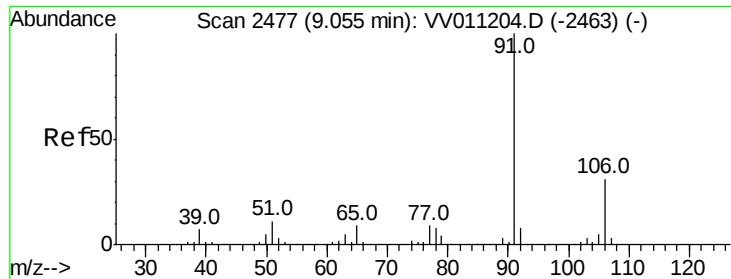
Tgt Ion:107 Resp: 8795
Ion Ratio Lower Upper
107 100
109 89.6 64.5 119.9
188 3.8 2.7 4.1



#51
Chlorobenzene
Concen: 1.048 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011203.D
Acq: 04 Jun 2019 13:27

Tgt Ion:112 Resp: 36606
Ion Ratio Lower Upper
112 100
114 33.9 22.6 42.0
77 67.2 50.1 75.1





#52

Ethylbenzene

Concen: 1.179 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

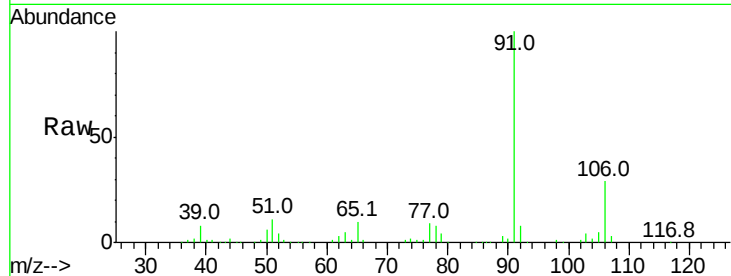
VSTD00138

Tgt Ion: 91 Resp: 67196

Ion Ratio Lower Upper

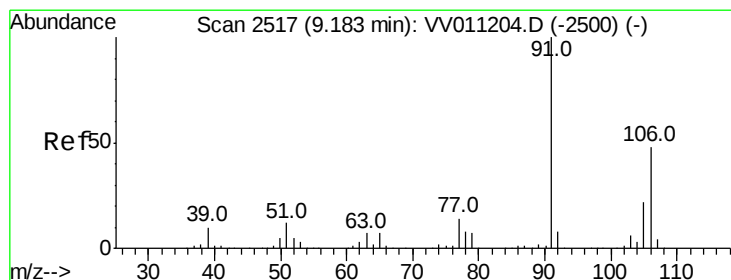
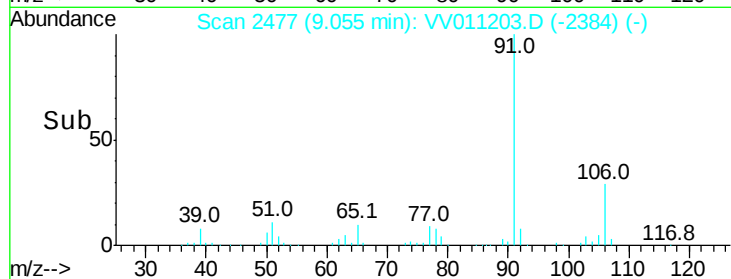
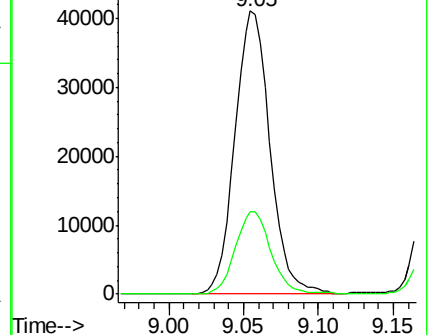
91 100

106 29.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011203.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011203.D (-2384) (-)



#53

m,p-xylene

Concen: 1.146 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011203.D

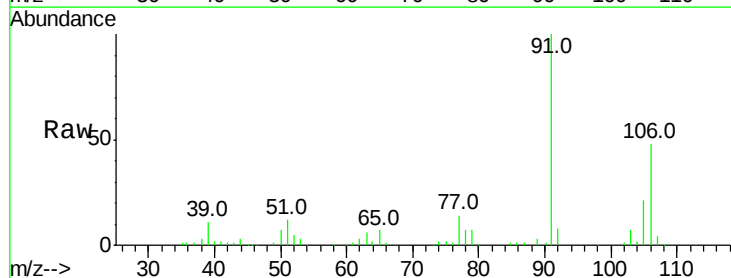
Acq: 04 Jun 2019 13:27

Tgt Ion: 106 Resp: 25005

Ion Ratio Lower Upper

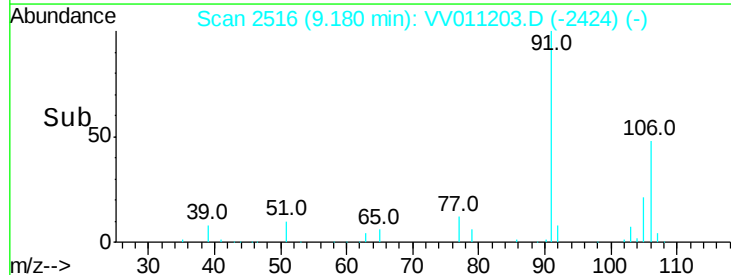
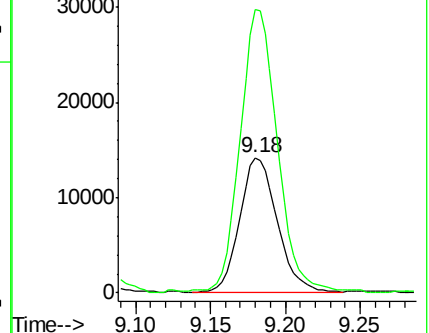
106 100

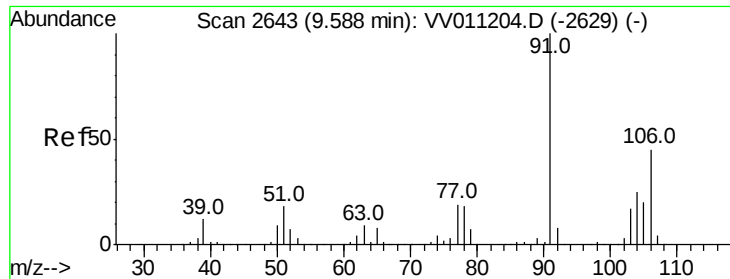
91 209.5 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011203.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV011203.D (-2424) (-)





#54

o-xylene

Concen: 1.131 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

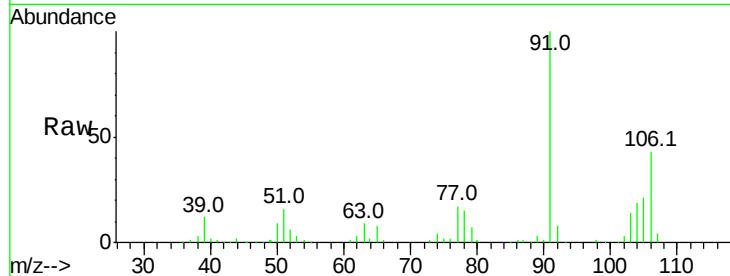
VSTD00138

Tgt Ion:106 Resp: 24040

Ion Ratio Lower Upper

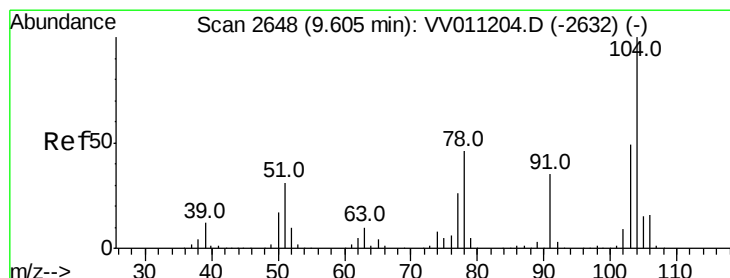
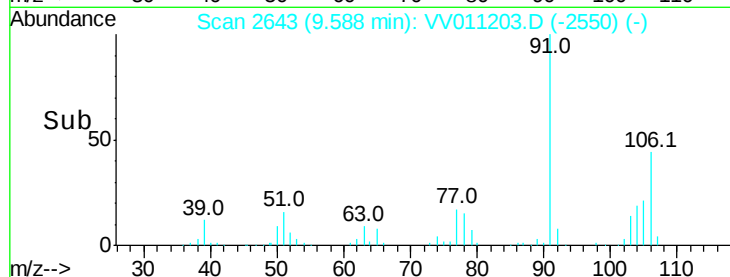
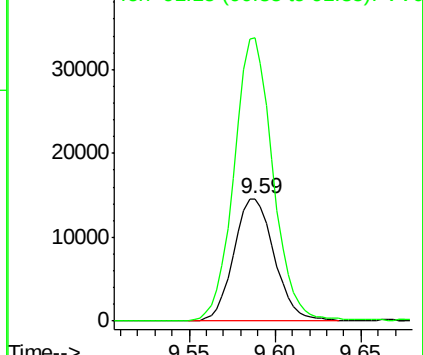
106 100

91 230.7 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.086 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011203.D

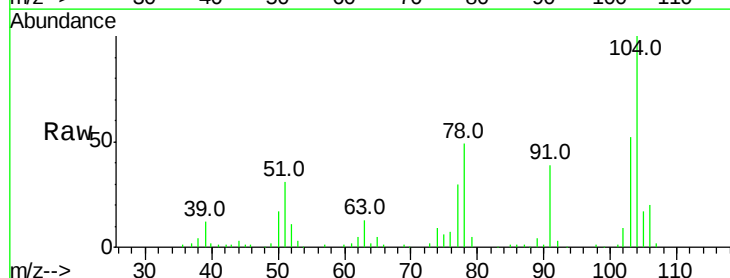
Acq: 04 Jun 2019 13:27

Tgt Ion:104 Resp: 38284

Ion Ratio Lower Upper

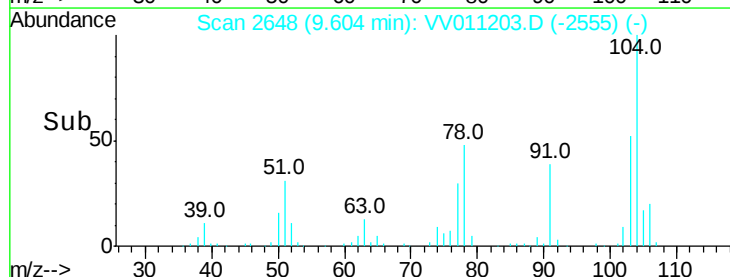
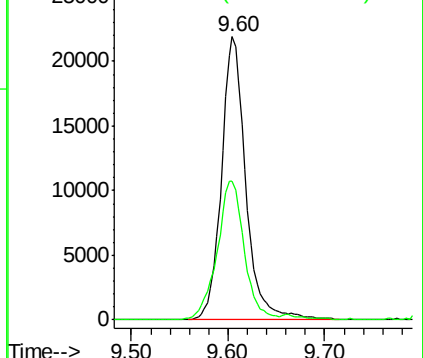
104 100

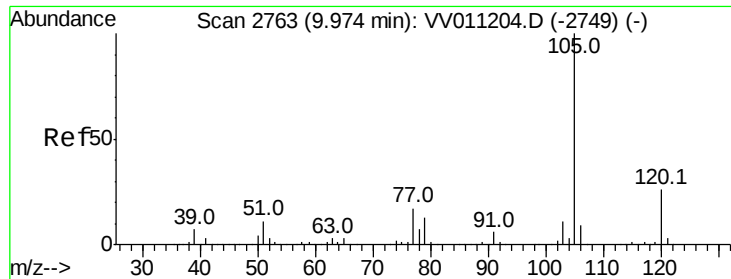
78 49.1 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 1.170 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampled :

VSTD00138

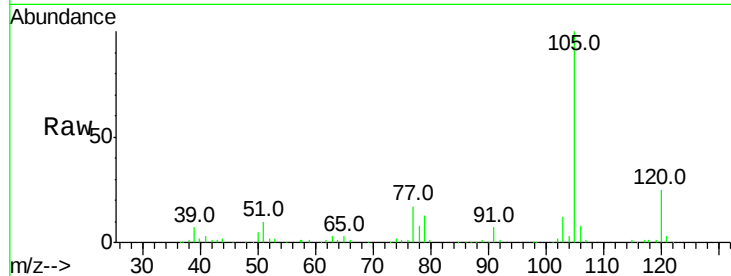
Tgt Ion:105 Resp: 64557

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

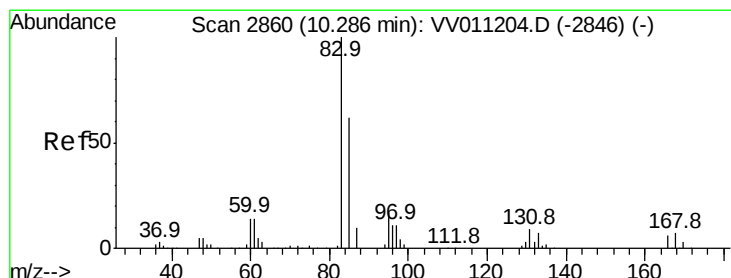
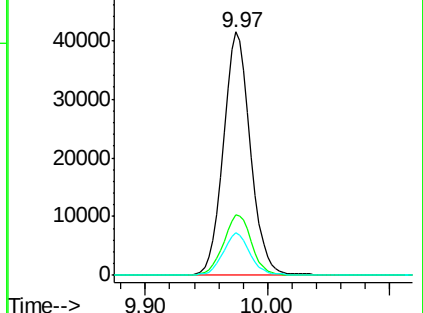
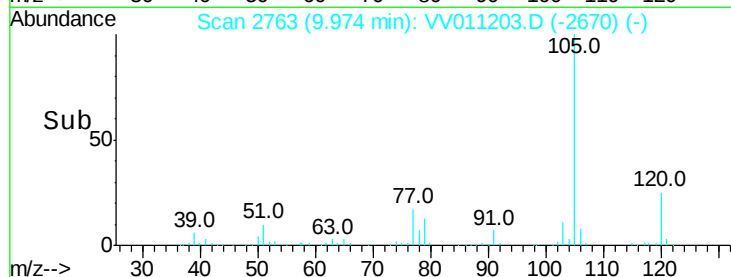
77 17.7 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.160 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

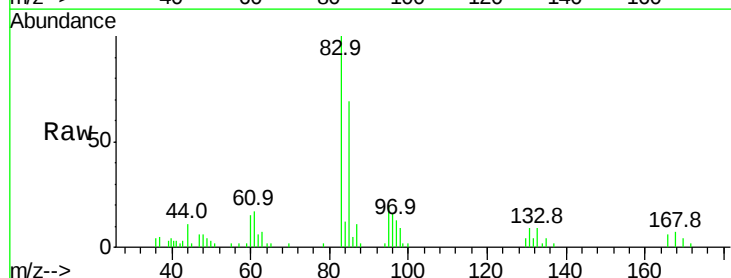
Tgt Ion: 83 Resp: 10928

Ion Ratio Lower Upper

83 100

85 68.8 43.5 80.9

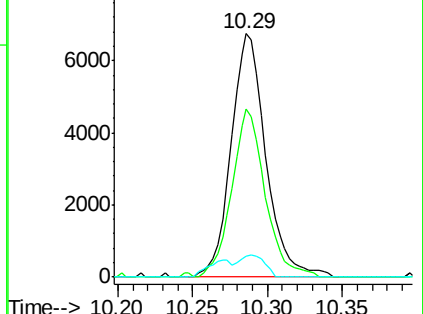
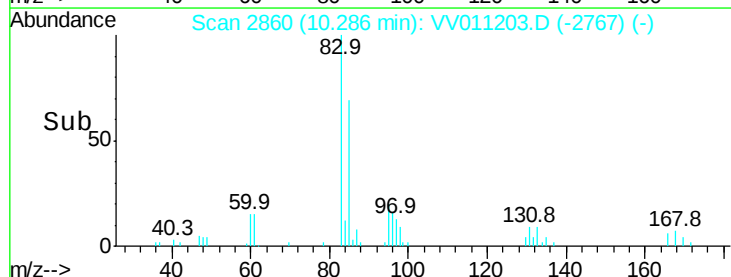
131 8.7 7.5 11.3

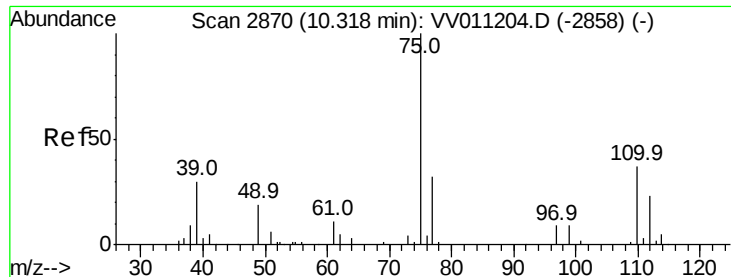


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

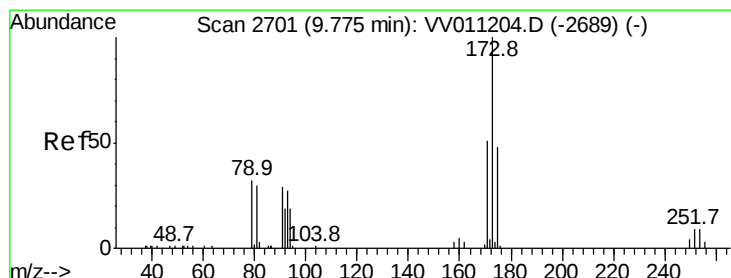
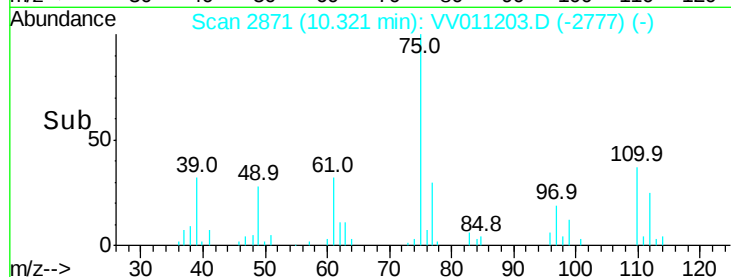
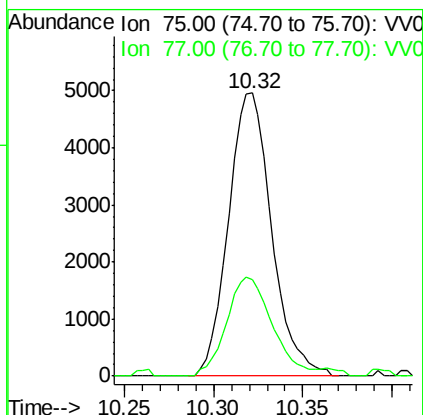
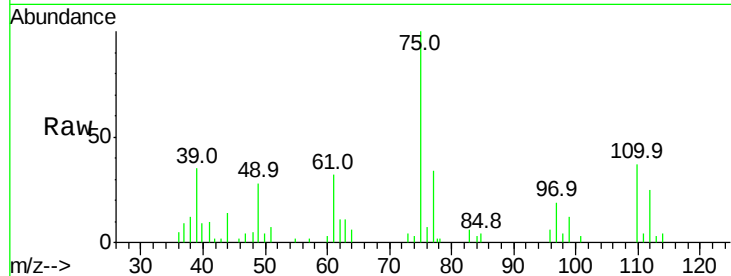




#59
 1,2,3-Trichloropropane
 Concen: 1.256 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

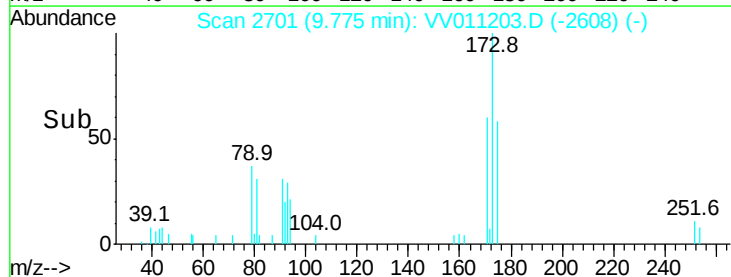
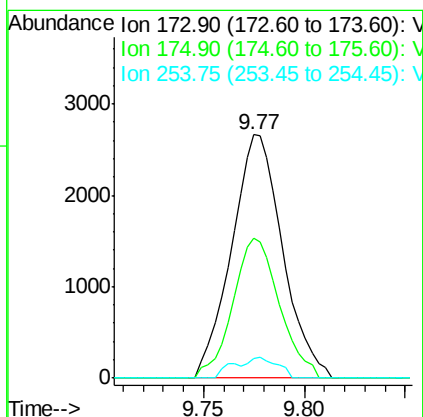
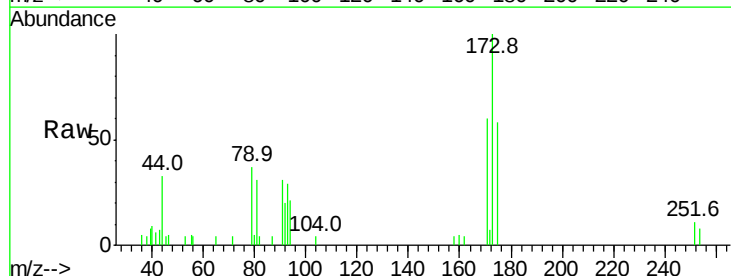
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00138

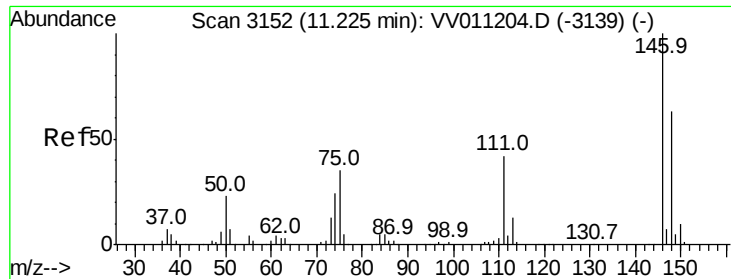
Tgt Ion: 75 Resp: 8381
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.7 40.1



#61
 Bromoform
 Concen: 1.033 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Tgt Ion: 173 Resp: 4699
 Ion Ratio Lower Upper
 173 100
 175 52.6 37.0 55.4
 254 7.2 6.9 10.3

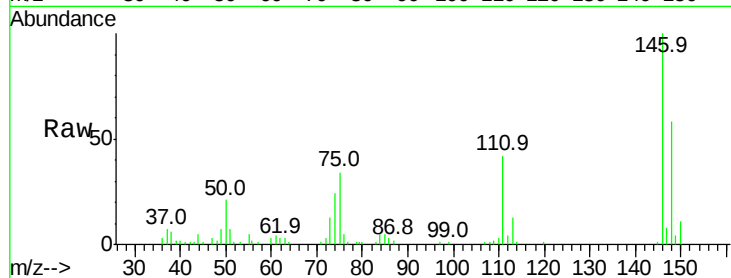




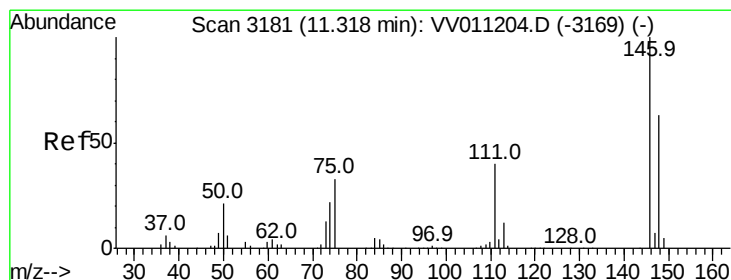
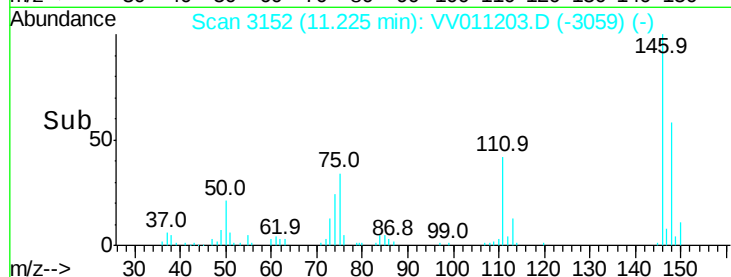
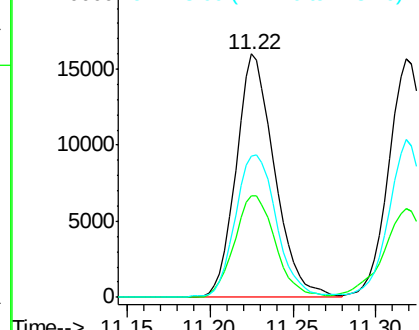
#62
 1,3-Dichlorobenzene
 Concen: 1.067 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00138

Tgt Ion:146 Resp: 25837
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.0 53.9
 148 58.1 44.0 81.8

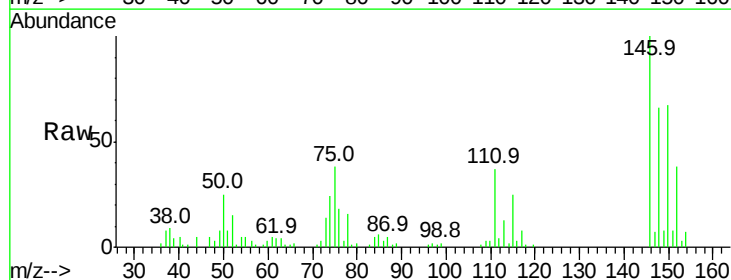


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

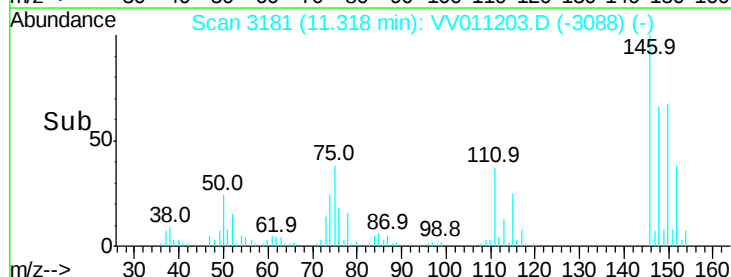
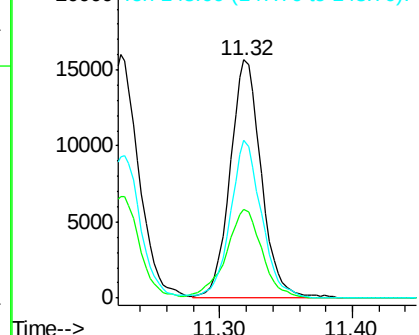


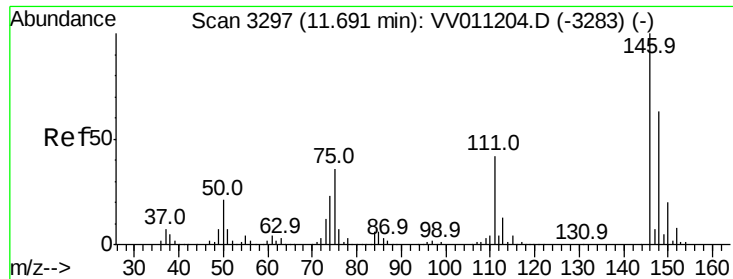
#63
 1,4-Dichlorobenzene
 Concen: 1.062 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Tgt Ion:146 Resp: 25636
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.3 52.5
 148 66.1 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.085 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

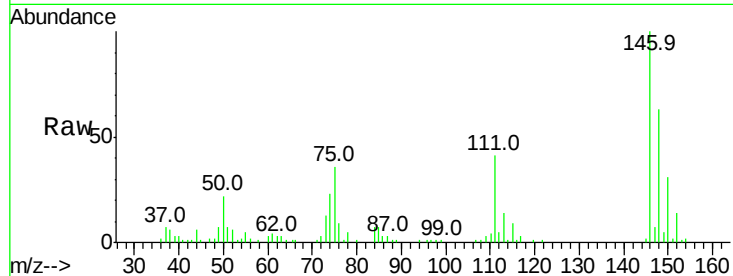
Tgt Ion:146 Resp: 24972

Ion Ratio Lower Upper

146 100

111 40.6 33.9 50.9

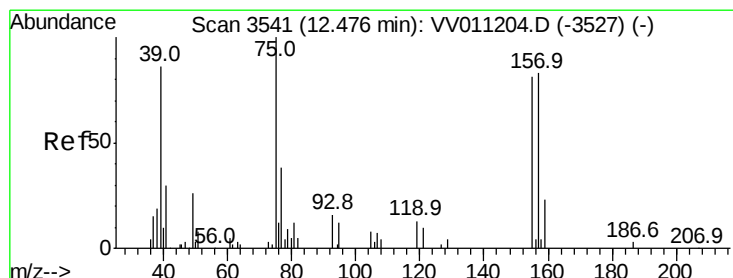
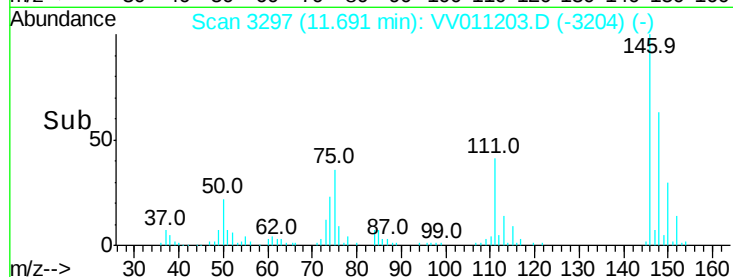
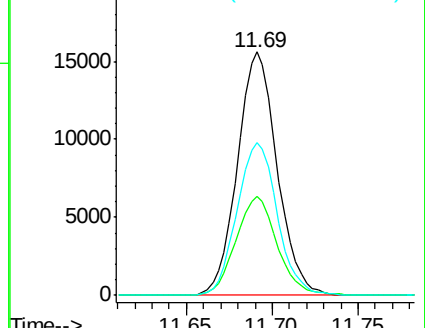
148 62.7 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 1.316 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

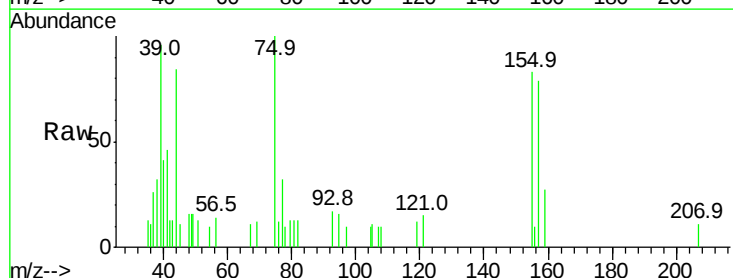
Tgt Ion: 75 Resp: 1736

Ion Ratio Lower Upper

75 100

155 83.4 64.4 96.6

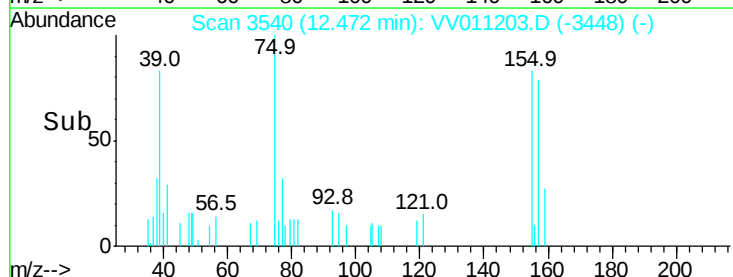
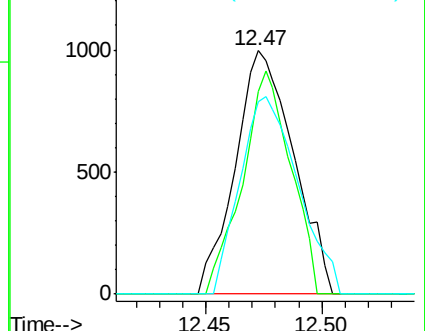
157 79.2 66.7 100.1

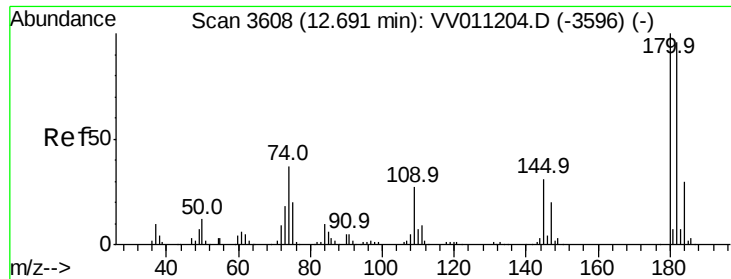


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

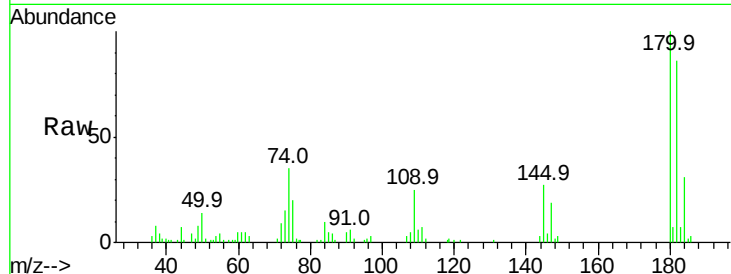




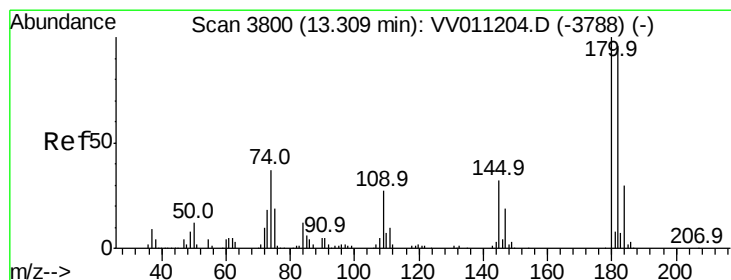
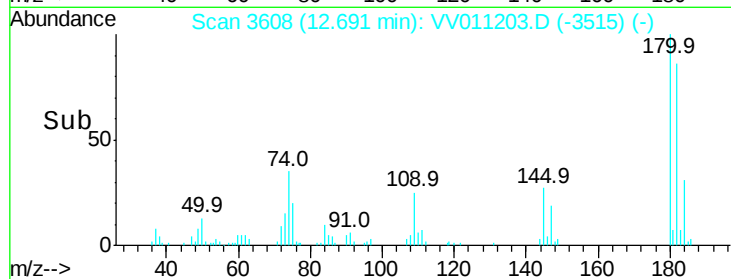
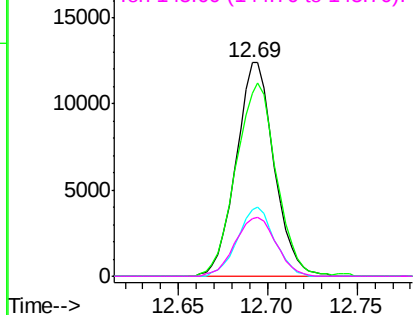
#67
 1,3,5-Trichlorobenzene
 Concen: 1.018 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00138

Tgt Ion:	180	Resp:	18500
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
184	31.3	23.8	35.8
145	29.6	24.2	36.2

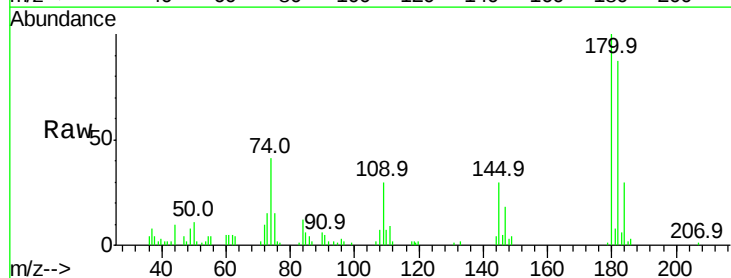


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

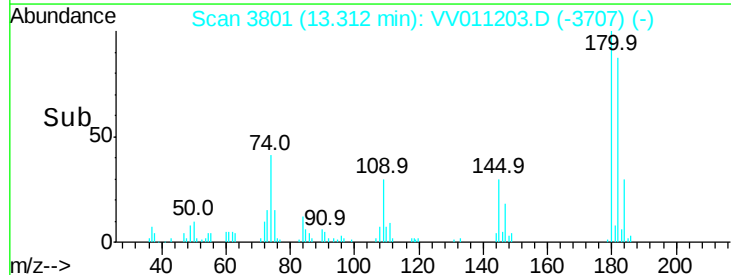
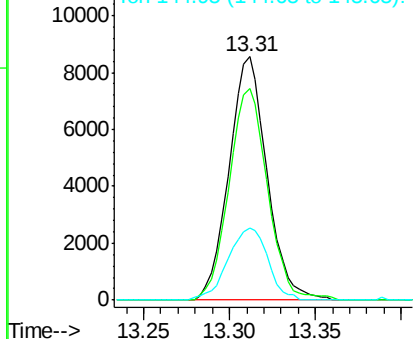


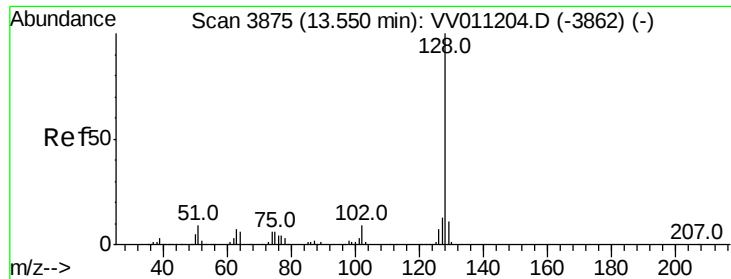
#68
 1,2,4-trichlorobenzene
 Concen: 0.967 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV011203.D
 Acq: 04 Jun 2019 13:27

Tgt Ion:	180	Resp:	13180
Ion	Ratio	Lower	Upper
180	100		
182	88.5	78.8	118.2
145	31.1	26.3	39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.950 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00138

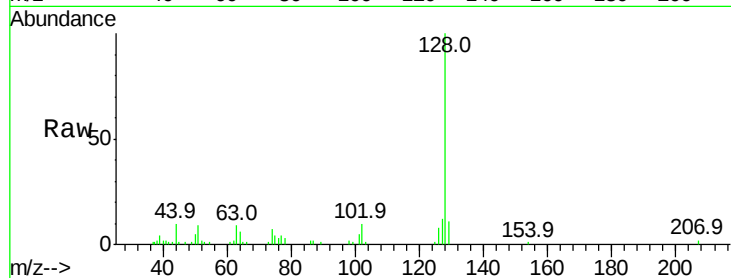
Tgt Ion:128 Resp: 19805

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

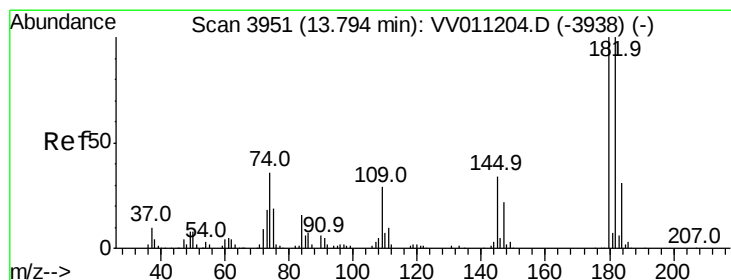
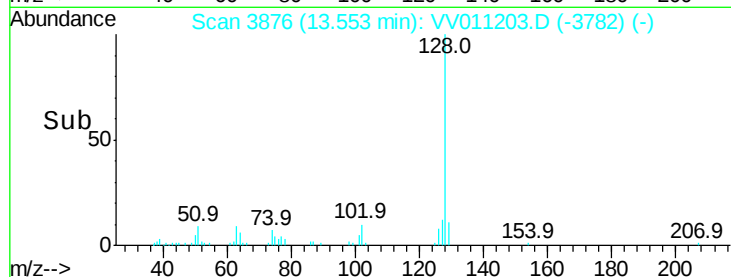
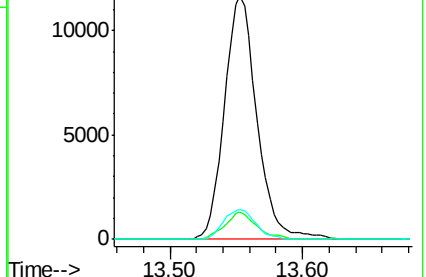
127 12.1 10.5 15.7



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: 0.947 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV011203.D

Acq: 04 Jun 2019 13:27

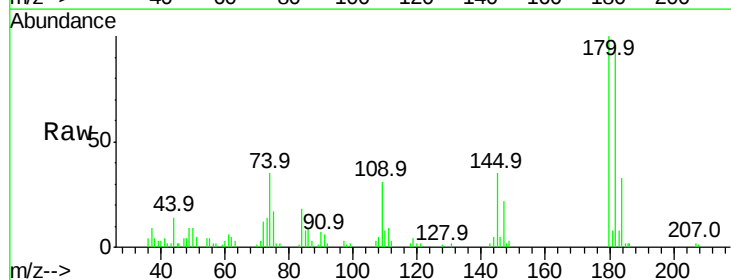
Tgt Ion:180 Resp: 11515

Ion Ratio Lower Upper

180 100

182 101.3 78.6 117.8

145 35.0 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

