

Data File : VV011132.D
Acq On : 30 May 2019 12:30
Operator : SY/MD
Sample : VSTD2.580
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Quant Time: May 30 13:49:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 13:47:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	348577	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	325871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	153509	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13259	2.77	ug/L	0.00
7) Chloroethane-d5	1.56	69	9448	2.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	26110	2.94	ug/L	0.00
20) 2-Butanone-d5	4.13	46	135	0.08	ug/L	0.19
24) Chloroform-d	4.40	84	21110	2.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13286	2.46	ug/L	0.00
29) Benzene-d6	5.09	84	44959	2.36	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	14294	2.35	ug/L	0.00
37) Toluene-d8	7.36	98	43534	2.48	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	5941	2.10	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	5779	4.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11297	2.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	14941	2.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13951	2.454 ug/L	100
3) Chloromethane	1.25	50	12697	2.265 ug/L	98
5) Vinyl chloride	1.32	62	14206	2.745 ug/L	90
6) Bromomethane	1.51	94	7898	3.542 ug/L	100
8) Chloroethane	1.58	64	7483	2.666 ug/L	94
9) Trichlorofluoromethane	1.76	101	19665	2.837 ug/L	94
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11196	3.010 ug/L	96
12) 1,1-Dichloroethene	2.13	96	9838	2.811 ug/L	86
13) Acetone	2.19	43	9738	5.219 ug/L	96
14) Carbon disulfide	2.31	76	32189	2.750 ug/L	99
15) Methyl Acetate	2.46	43	7912	2.938 ug/L	96
16) Methylene chloride	2.53	84	15053	2.954 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	33019	2.519 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	11895	2.485 ug/L	94
19) 1,1-Dichloroethane	3.22	63	23109	2.483 ug/L	98
21) 2-Butanone	4.03	43	6466	2.814 ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	12787	2.371 ug/L	96
23) Bromochloromethane	4.29	128	5655	2.476 ug/L	98
25) Chloroform	4.42	83	24111	2.453 ug/L	98
27) 1,2-Dichloroethane	5.18	62	15868	2.478 ug/L	98
30) Cyclohexane	4.72	56	23310	2.470 ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	19609	2.643 ug/L	97
32) Carbon tetrachloride	4.87	117	15905	2.503 ug/L	96
34) Benzene	5.14	78	48951	2.484 ug/L	100
35) Trichloroethene	5.96	95	12628	2.454 ug/L	96
36) Methylcyclohexane	6.17	83	22743	2.561 ug/L	97
40) 1,2-Dichloropropane	6.22	63	12107	2.305 ug/L	98
41) Bromodichloromethane	6.55	83	15833	2.378 ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	18341	2.186 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	22311	4.844 ug/L	97

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QLast Update : Thu May 30 13:47:19 2019
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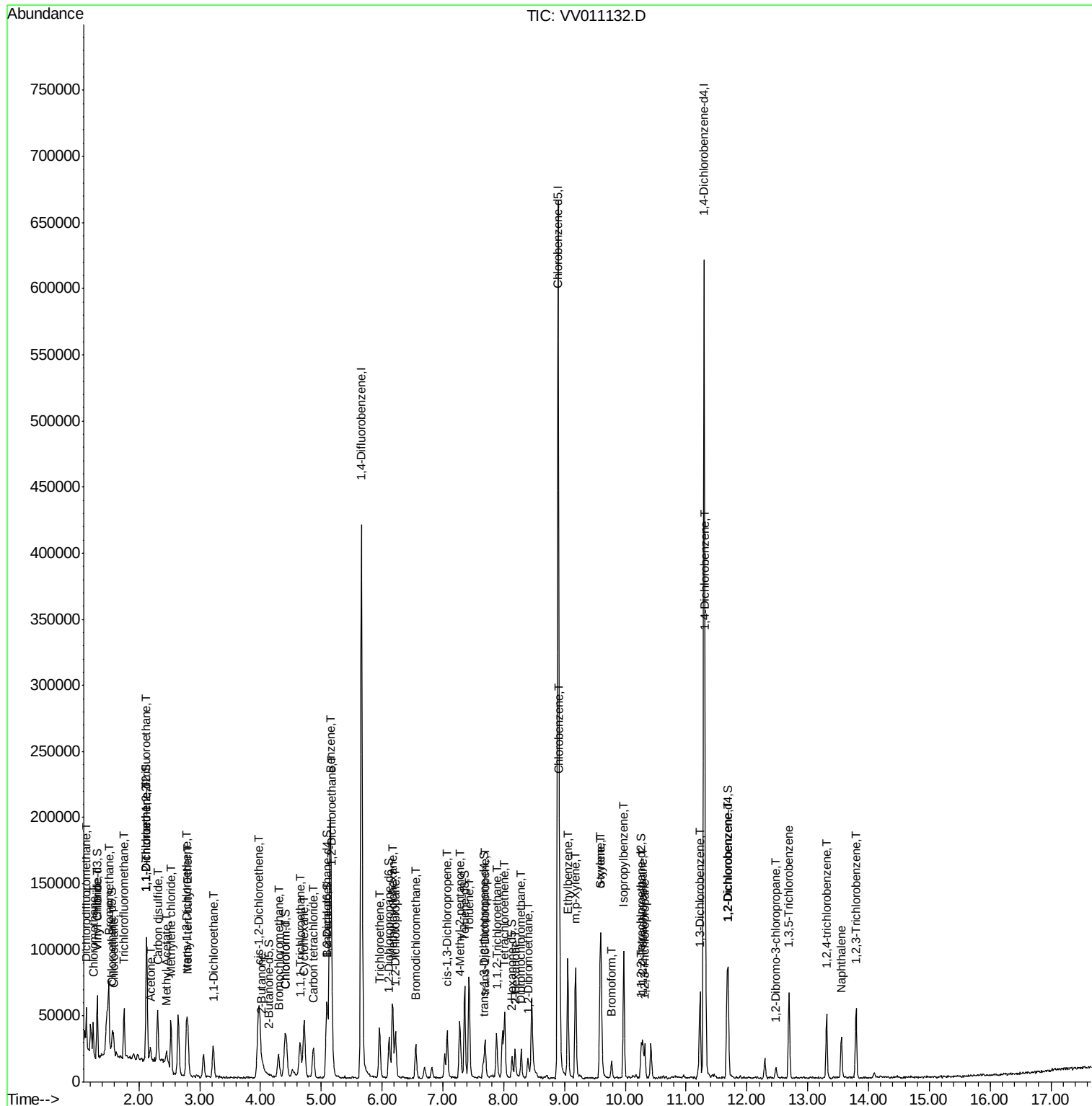
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	52615	2.456	ug/L	95
45) trans-1,3-Dichloropropene	7.69	75	15232	2.127	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	9629	2.474	ug/L	97
47) Tetrachloroethene	8.02	164	9852	2.654	ug/L	95
49) 2-Hexanone	8.19	43	13662	4.022	ug/L	97
50) Dibromochloromethane	8.29	129	10078	2.235	ug/L	96
51) 1,2-Dibromoethane	8.40	107	9258	2.486	ug/L #	91
52) Chlorobenzene	8.92	112	34467	2.596	ug/L	98
53) Ethylbenzene	9.05	91	60689	2.485	ug/L	100
54) m,p-Xylene	9.18	106	22985	2.526	ug/L	98
55) o-xylene	9.59	106	22183	2.509	ug/L	94
56) Styrene	9.60	104	34359	2.292	ug/L	97
57) Isopropylbenzene	9.97	105	58834	2.494	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	13064	2.548	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	9879	2.521	ug/L	100
62) Bromoform	9.77	173	5116	1.981	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	24829	2.459	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	26183	2.605	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	23290	2.468	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2142	2.224	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	18384	2.475	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	13242	2.241	ug/L	99
69) Naphthalene	13.55	128	22646	1.858	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12419	2.297	ug/L	99

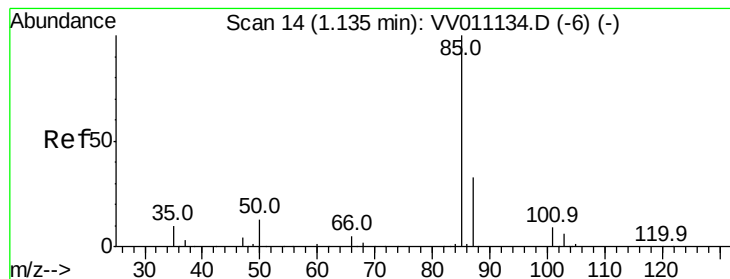
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.454 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

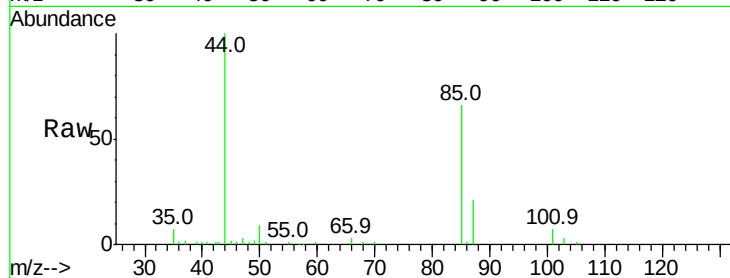
VSTD2.567

Tgt Ion: 85 Resp: 13951

Ion Ratio Lower Upper

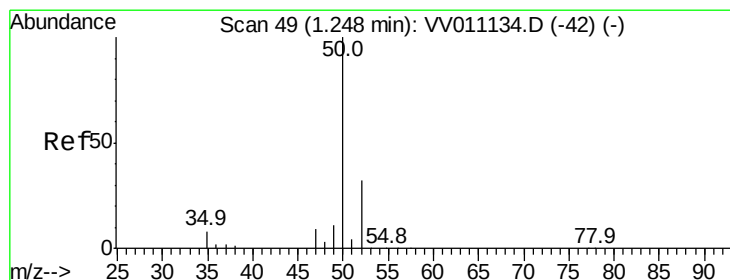
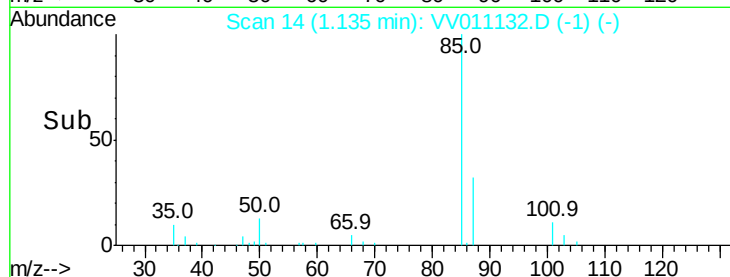
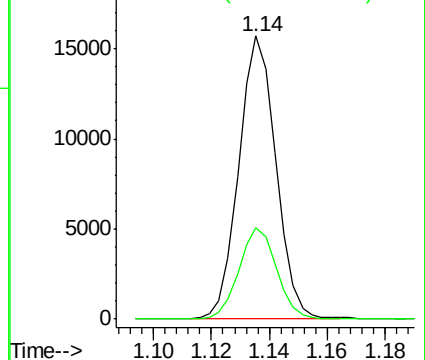
85 100

87 32.5 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.265 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011132.D

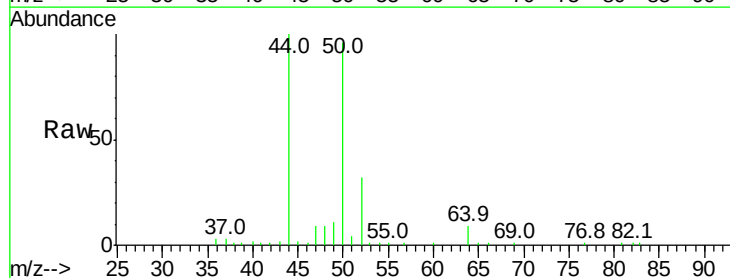
Acq: 30 May 2019 12:30

Tgt Ion: 50 Resp: 12697

Ion Ratio Lower Upper

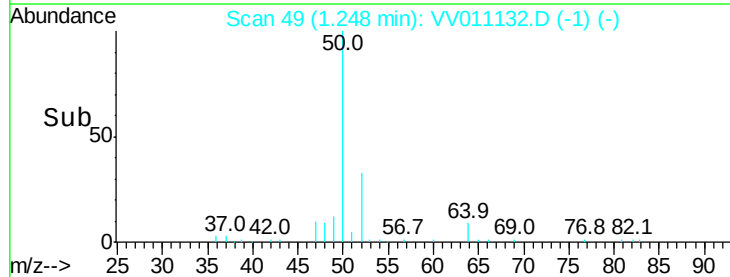
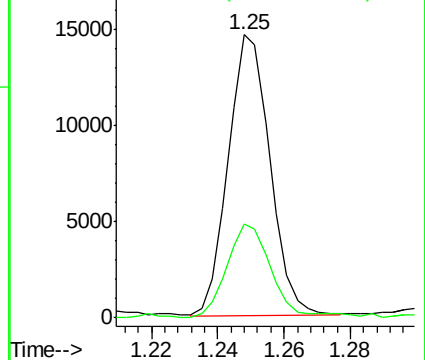
50 100

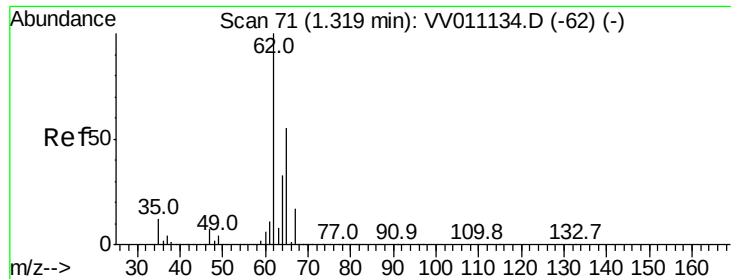
52 33.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.745 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

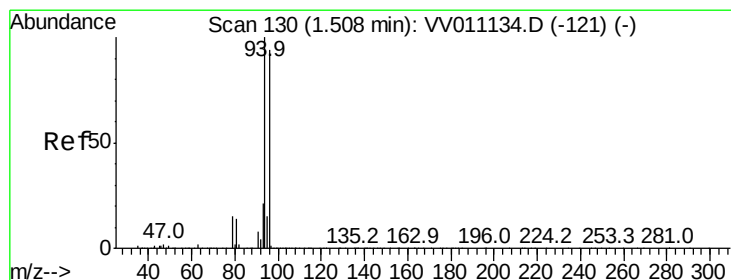
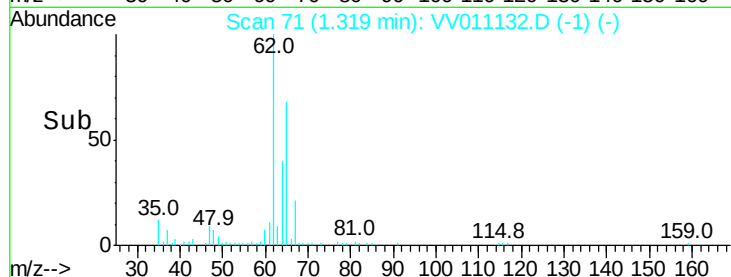
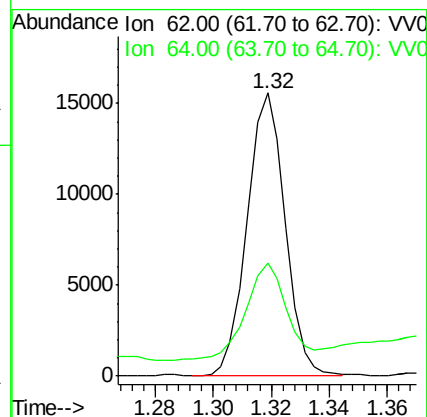
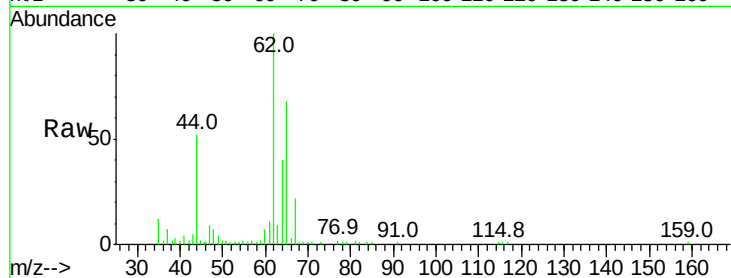
VSTD2.567

Tgt Ion: 62 Resp: 14206

Ion Ratio Lower Upper

62 100

64 39.8 23.7 44.1



#6

Bromomethane

Concen: 3.542 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

Lab File: VV011132.D

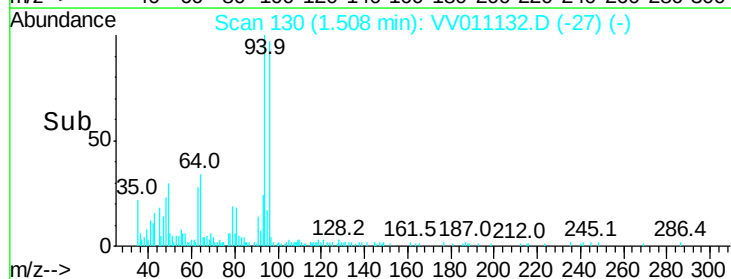
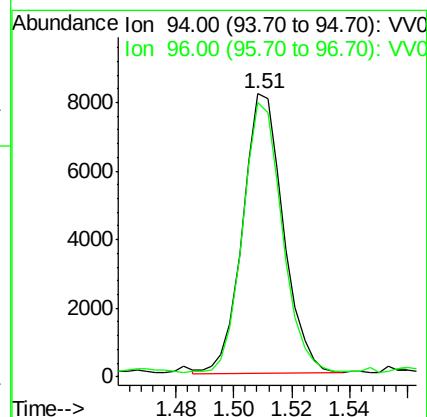
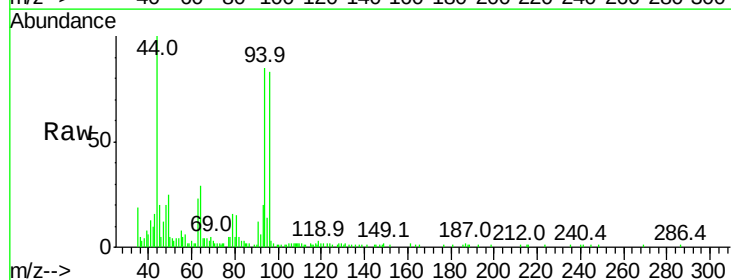
Acq: 30 May 2019 12:30

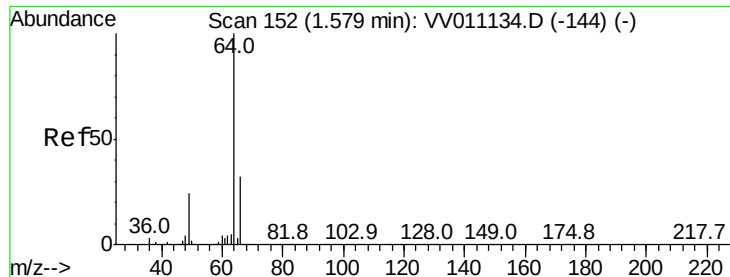
Tgt Ion: 94 Resp: 7898

Ion Ratio Lower Upper

94 100

96 94.5 9.4 179.5





#8

Chloroethane

Concen: 2.666 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

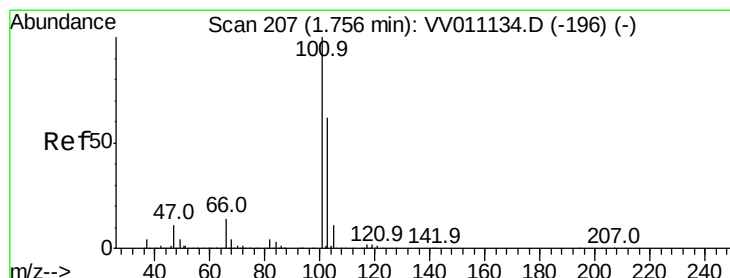
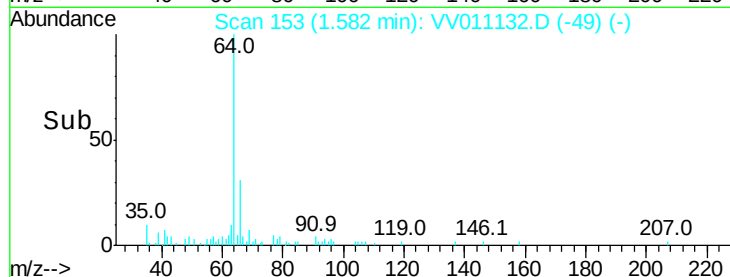
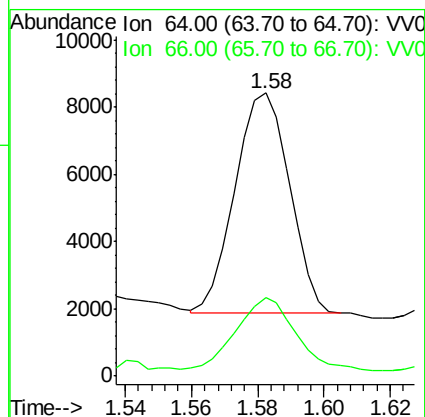
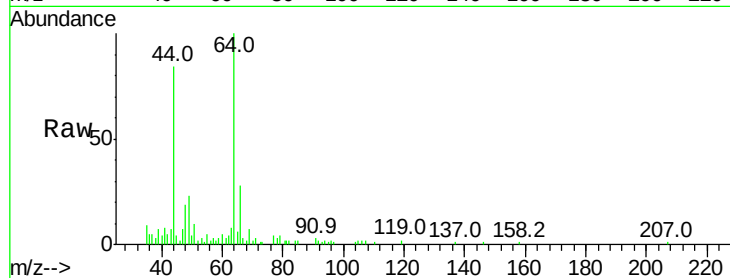
VSTD2.567

Tgt Ion: 64 Resp: 7483

Ion Ratio Lower Upper

64 100

66 27.6 21.7 40.3



#9

Trichlorofluoromethane

Concen: 2.837 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011132.D

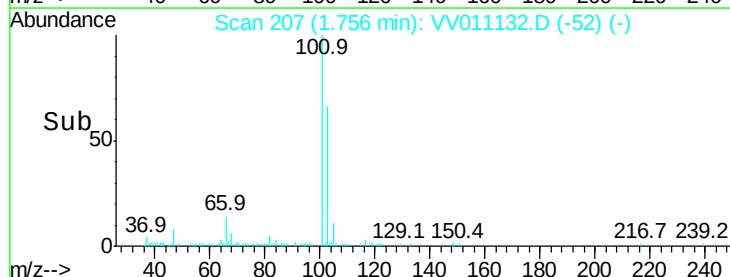
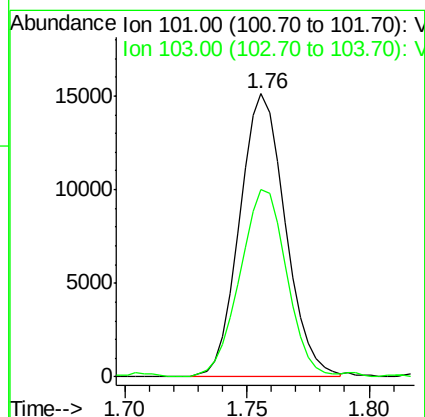
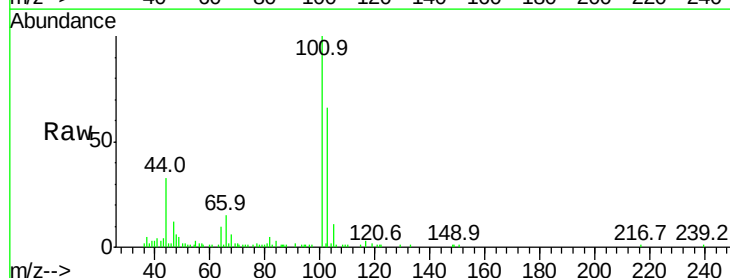
Acq: 30 May 2019 12:30

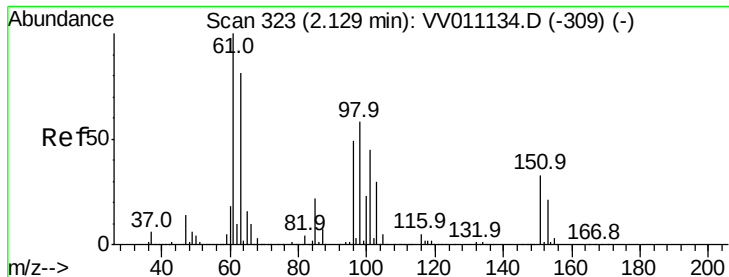
Tgt Ion: 101 Resp: 19665

Ion Ratio Lower Upper

101 100

103 67.8 44.4 82.4





#11

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

Concen: 3.010 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

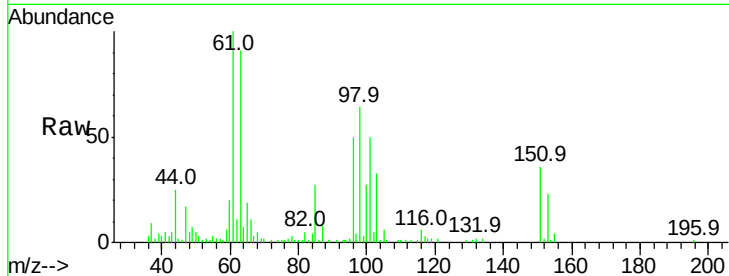
Tgt Ion: 101 Resp: 11196

Ion Ratio Lower Upper

101 100

85 51.0 37.4 56.2

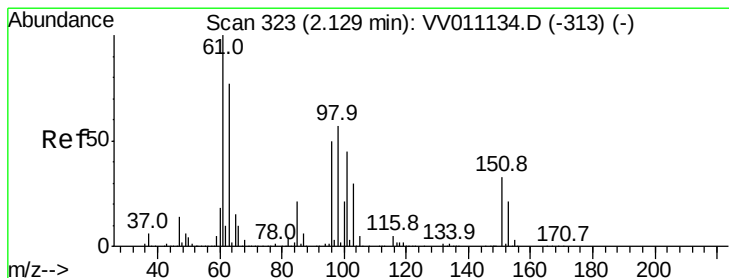
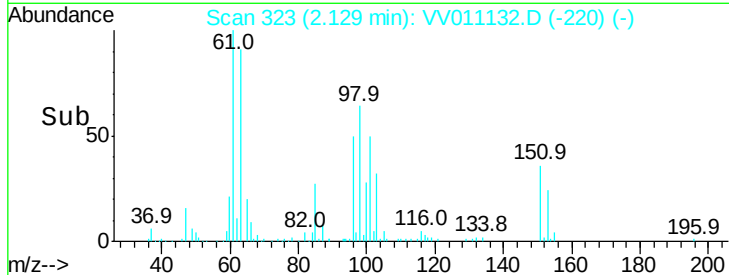
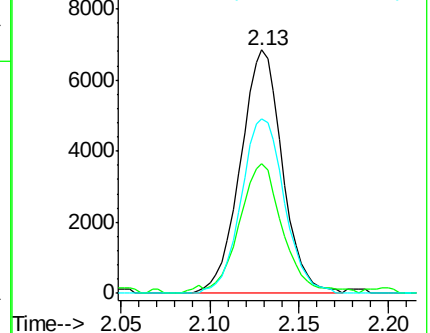
151 74.1 57.1 85.7



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: 2.811 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

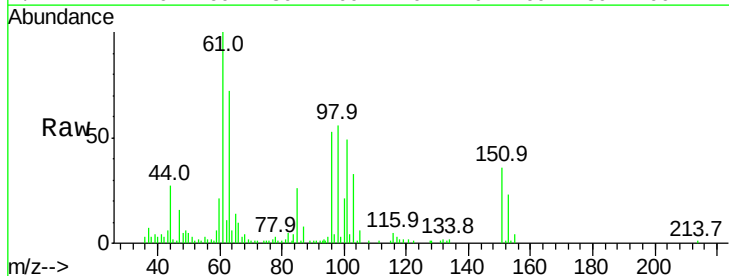
Tgt Ion: 96 Resp: 9838

Ion Ratio Lower Upper

96 100

61 188.8 141.6 263.0

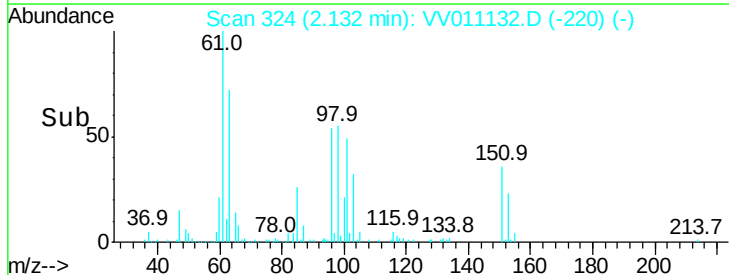
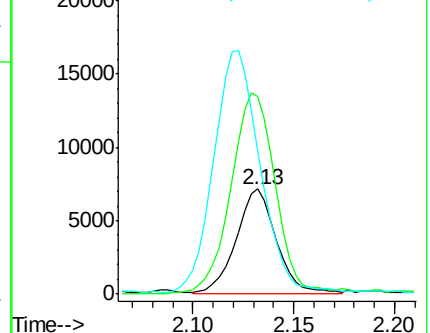
63 135.9 114.4 212.4

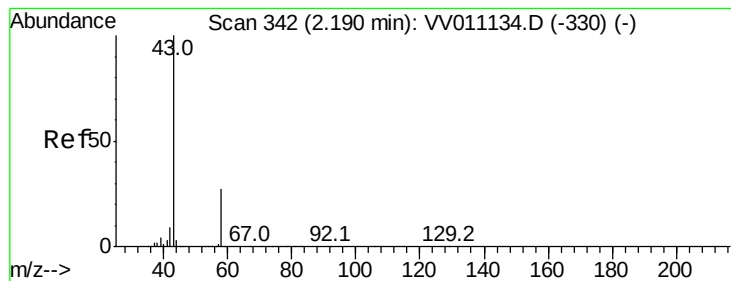


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.219 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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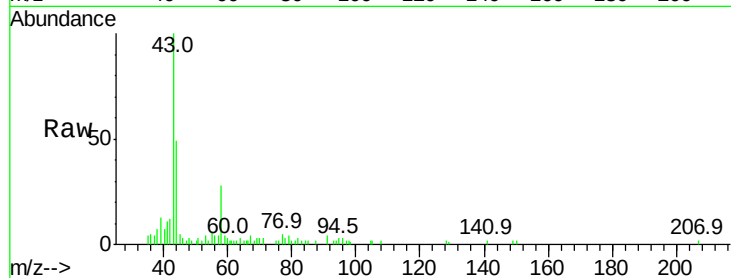
VSTD2.567

Tgt Ion: 43 Resp: 9738

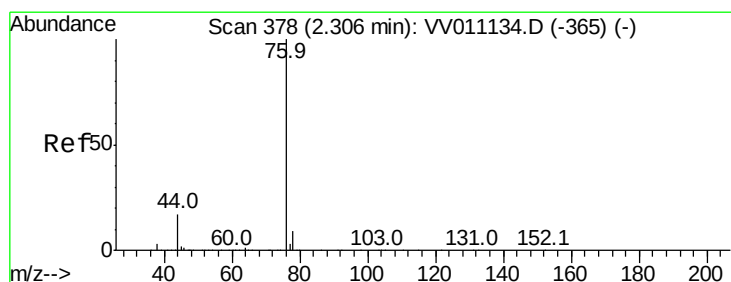
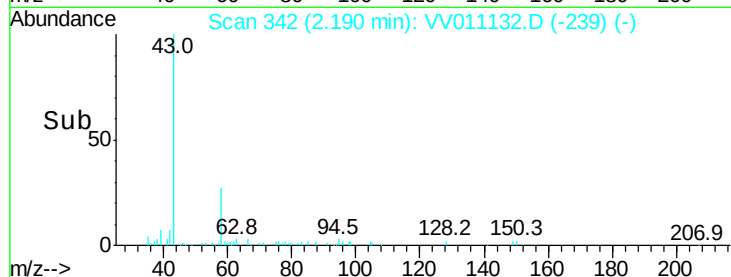
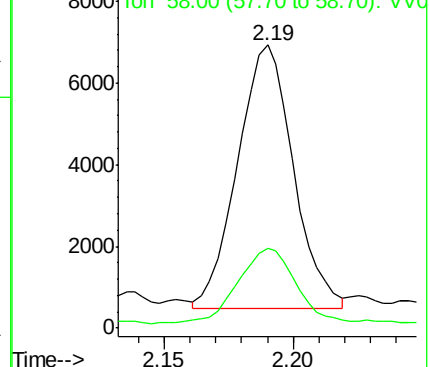
Ion Ratio Lower Upper

43 100

58 28.9 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV011134.D (-330) (-)



#14

Carbon disulfide

Concen: 2.750 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011132.D

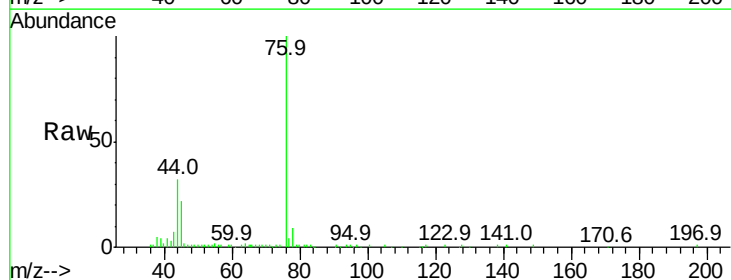
Acq: 30 May 2019 12:30

Tgt Ion: 76 Resp: 32189

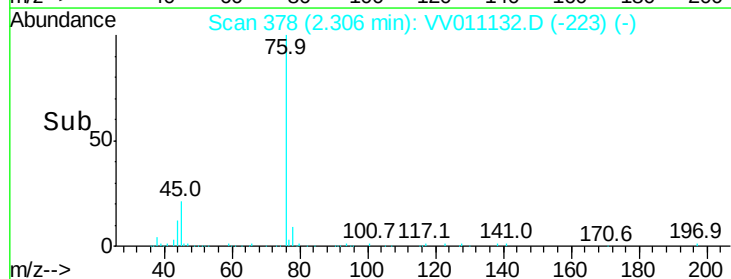
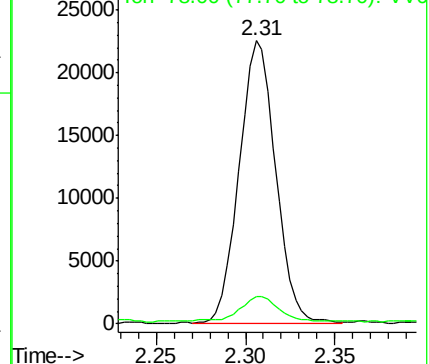
Ion Ratio Lower Upper

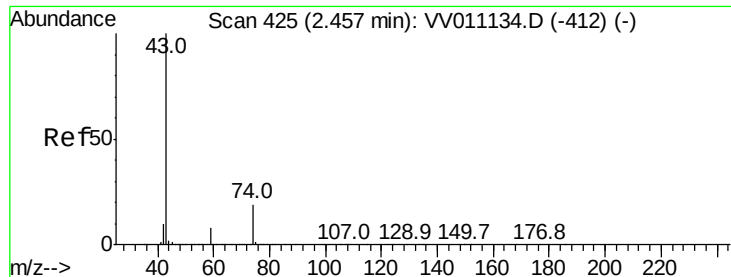
76 100

78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV011134.D (-365) (-)

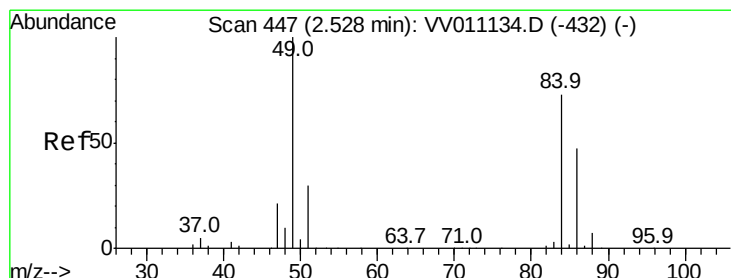
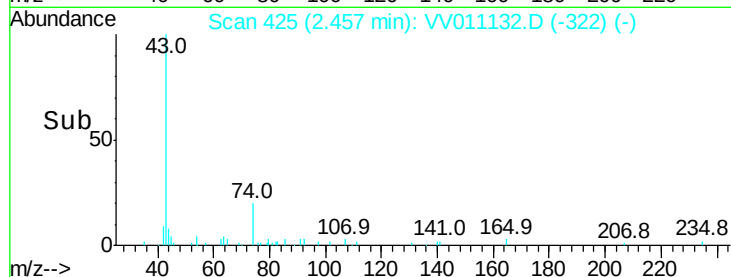
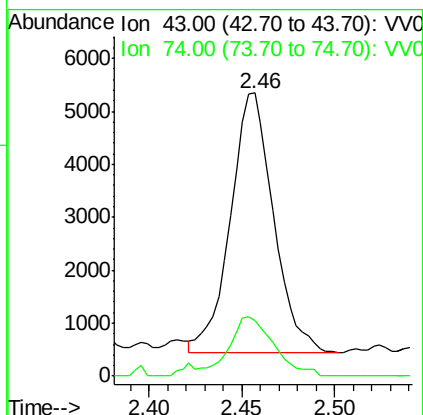
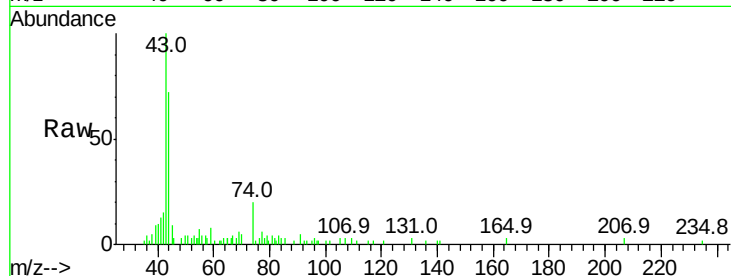




#15
Methyl Acetate
Concen: 2.938 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

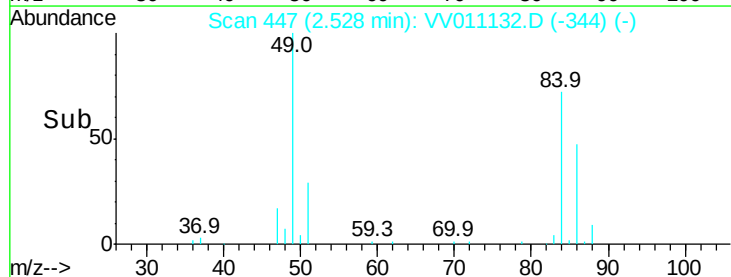
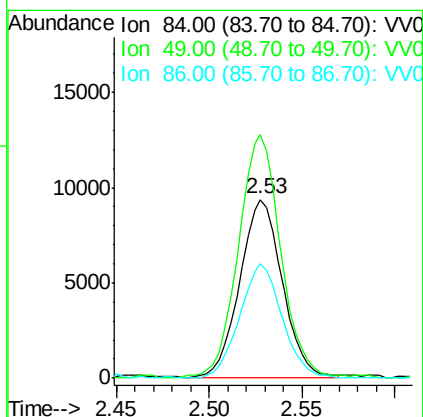
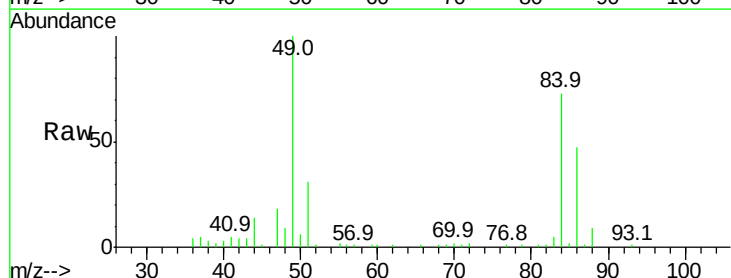
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

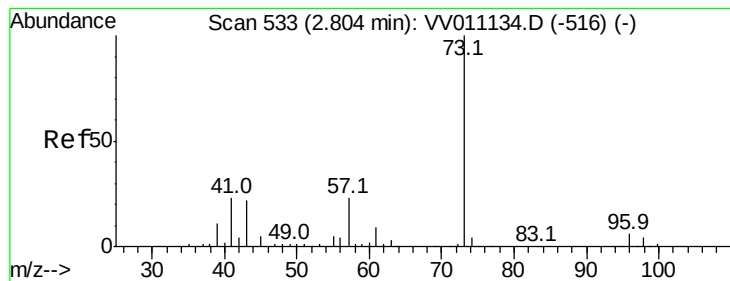
Tgt Ion: 43 Resp: 7912
Ion Ratio Lower Upper
43 100
74 18.6 16.2 24.4



#16
Methylene chloride
Concen: 2.954 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

Tgt Ion: 84 Resp: 15053
Ion Ratio Lower Upper
84 100
49 136.3 96.1 178.5
86 64.2 45.0 83.6





#17

Methyl tert-butyl Ether

Concen: 2.519 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

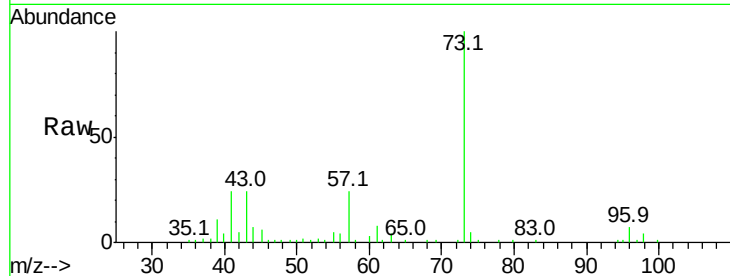
Tgt Ion: 73 Resp: 33019

Ion Ratio Lower Upper

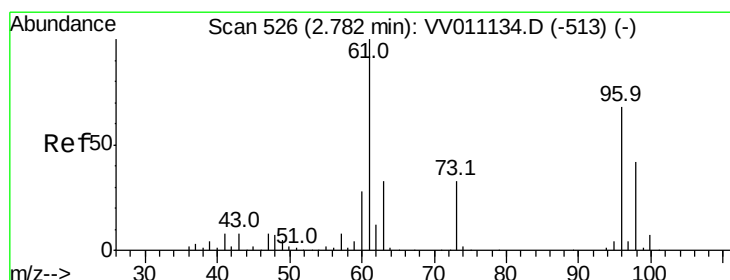
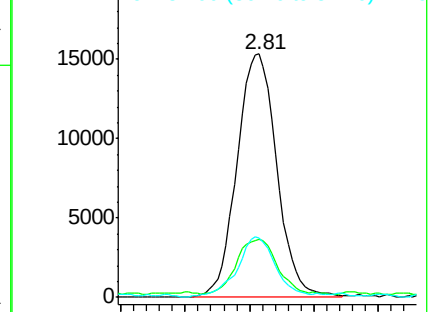
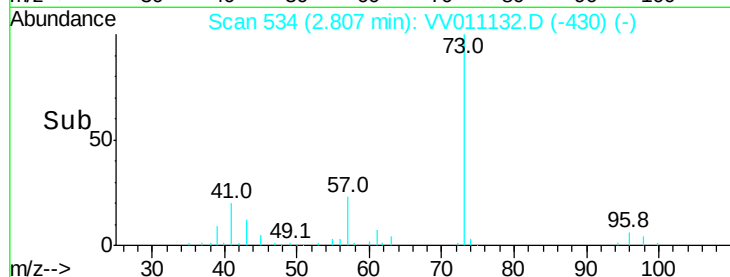
73 100

43 22.3 17.5 26.3

57 23.9 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VV011132.D (-430) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.485 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

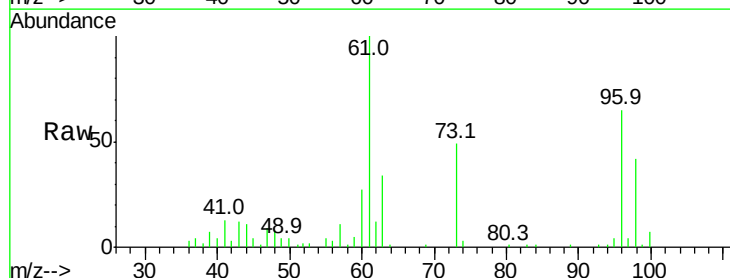
Tgt Ion: 96 Resp: 11895

Ion Ratio Lower Upper

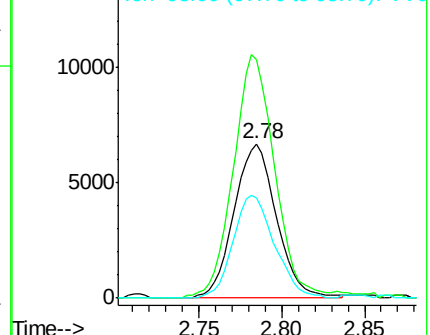
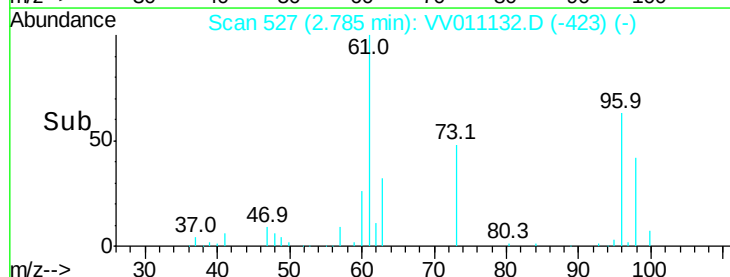
96 100

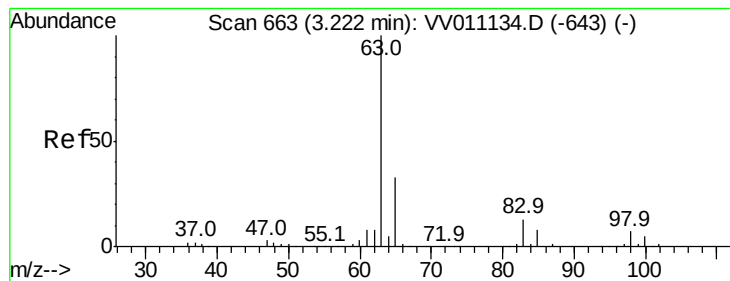
61 154.6 102.6 190.5

98 65.3 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV011132.D (-423) (-)





#19

1,1-Dichloroethane

Concen: 2.483 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

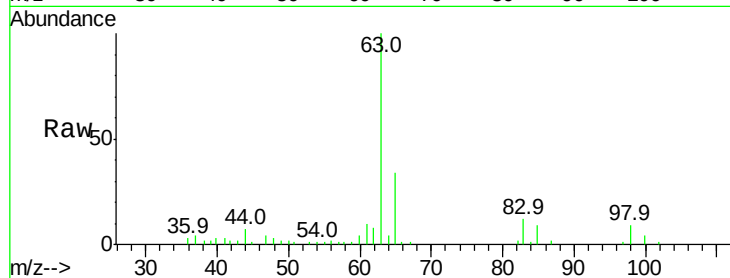
Tgt Ion: 63 Resp: 23109

Ion Ratio Lower Upper

63 100

65 33.7 22.7 42.3

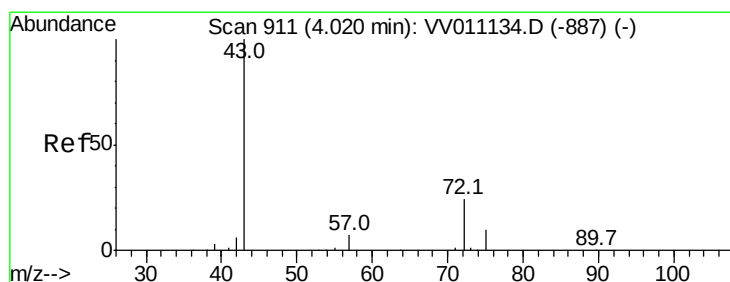
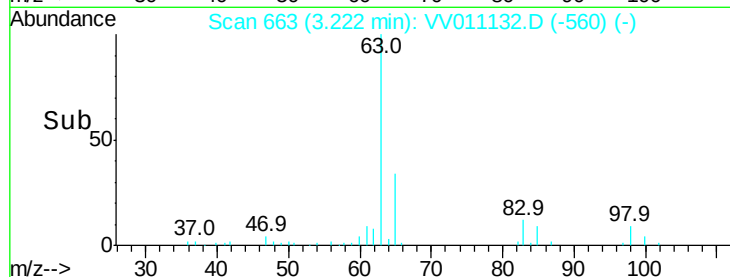
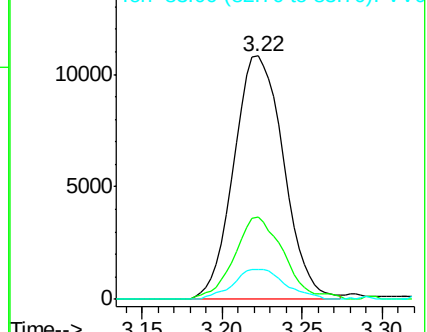
83 12.0 9.2 17.0



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: 2.814 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV011132.D

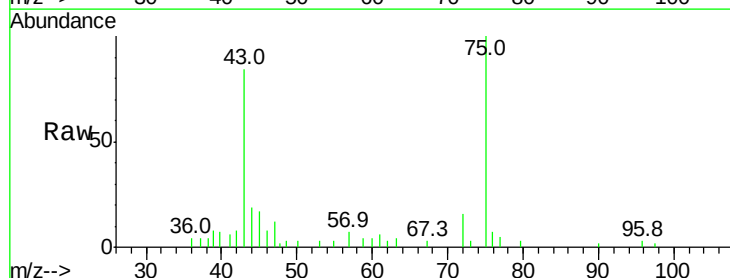
Acq: 30 May 2019 12:30

Tgt Ion: 43 Resp: 6466

Ion Ratio Lower Upper

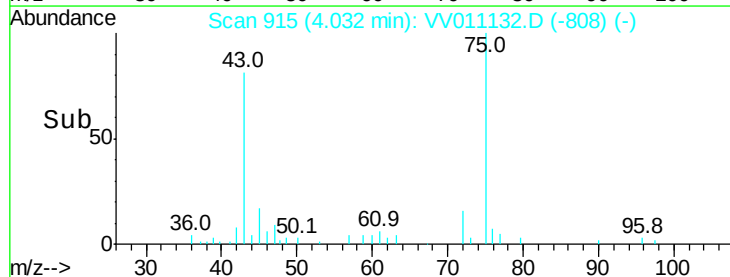
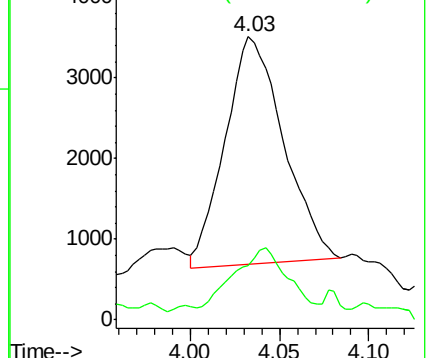
43 100

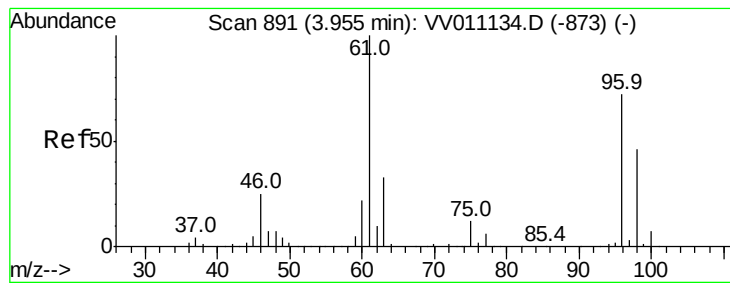
72 26.8 11.1 33.3



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: 2.371 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

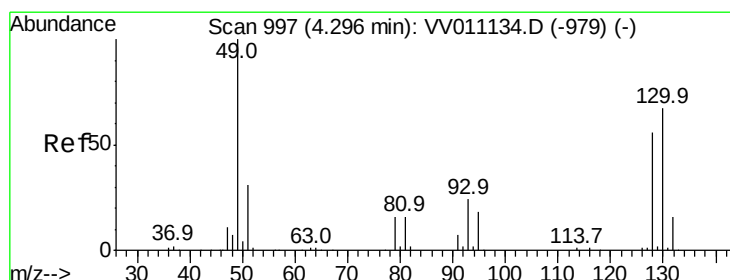
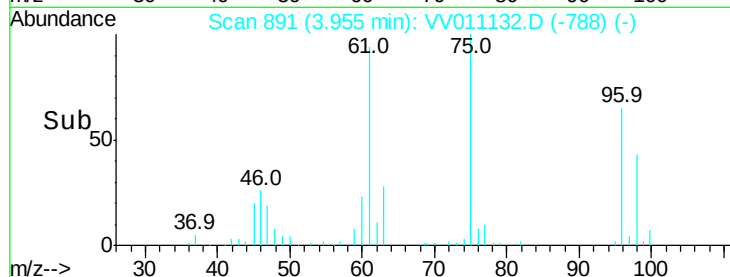
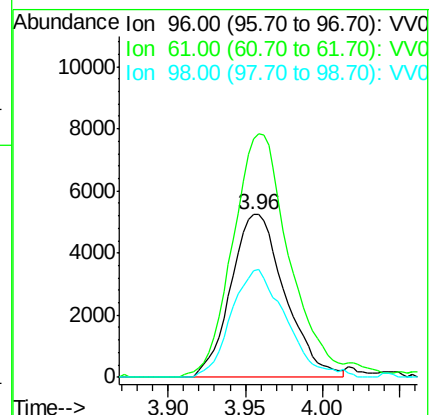
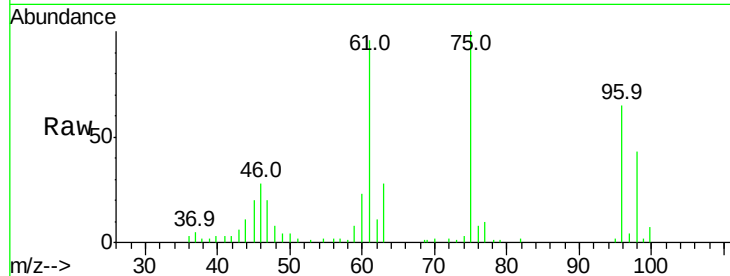
Tgt Ion: 96 Resp: 12787

Ion Ratio Lower Upper

96 100

61 146.3 97.4 181.0

98 65.2 45.0 83.6



#23

Bromochloromethane

Concen: 2.476 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Tgt Ion: 128 Resp: 5655

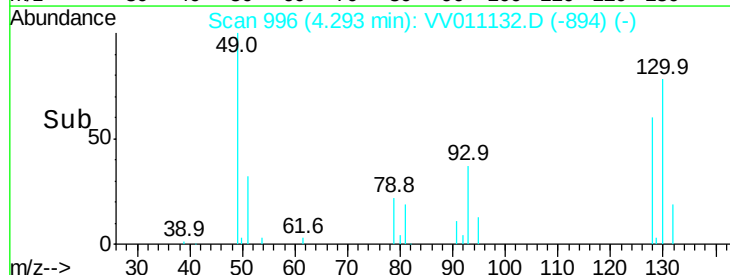
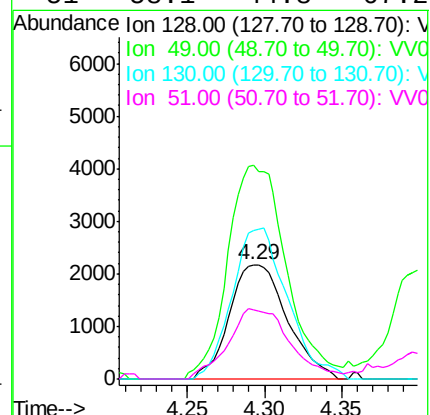
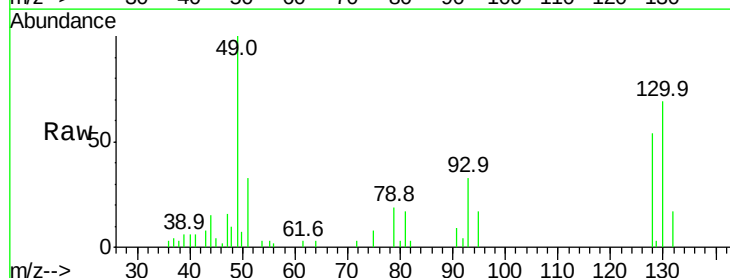
Ion Ratio Lower Upper

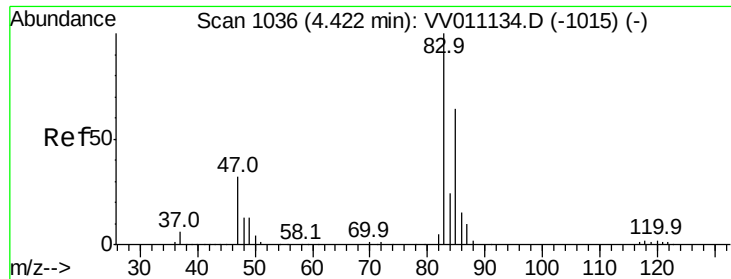
128 100

49 178.3 125.4 233.0

130 123.5 83.3 154.7

51 58.1 44.8 67.2

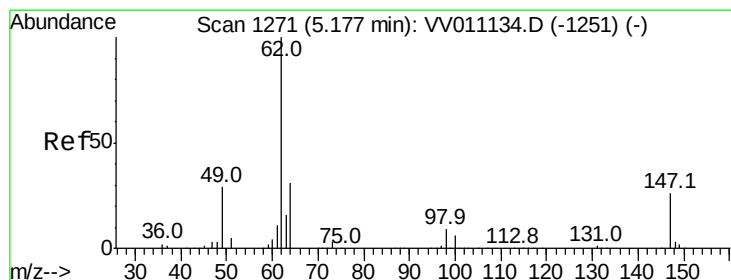
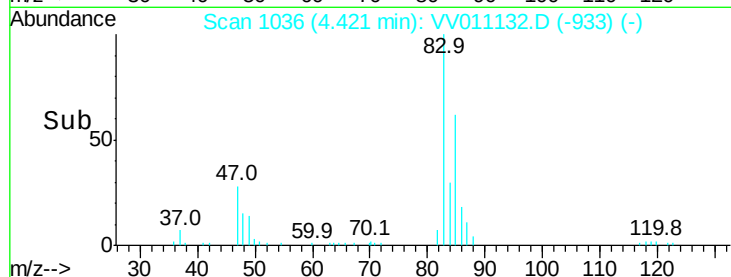
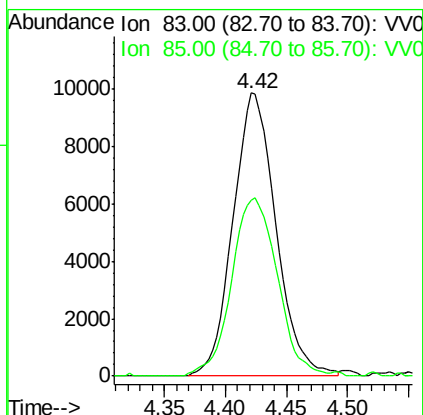
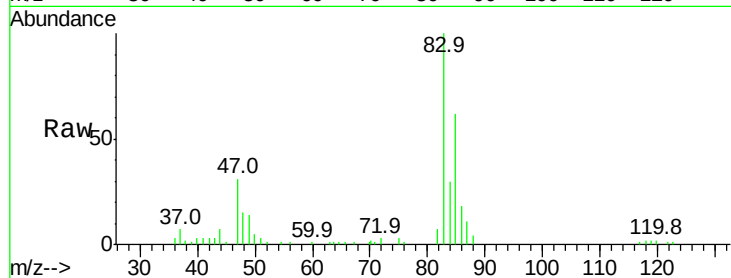




#25
Chloroform
Concen: 2.453 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

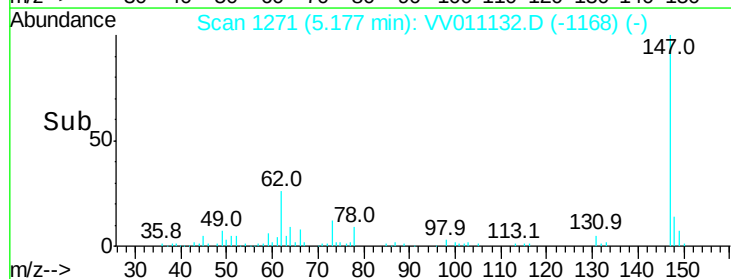
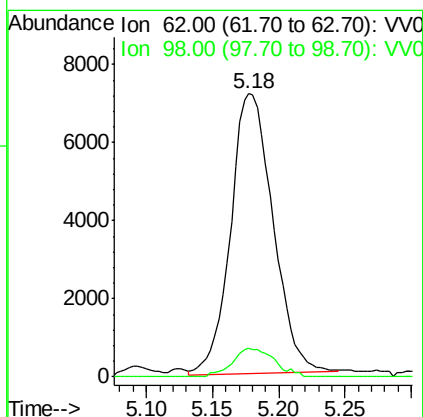
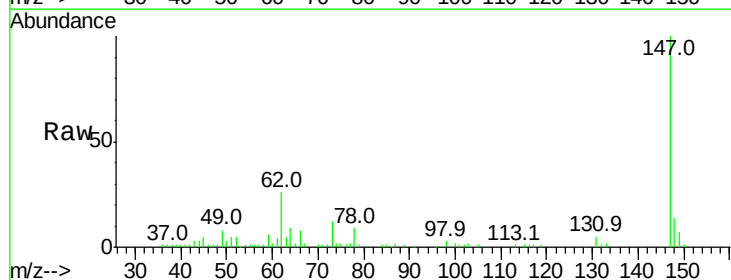
Instrument :
MSVOA_V
ClientSampled :
VSTD2.567

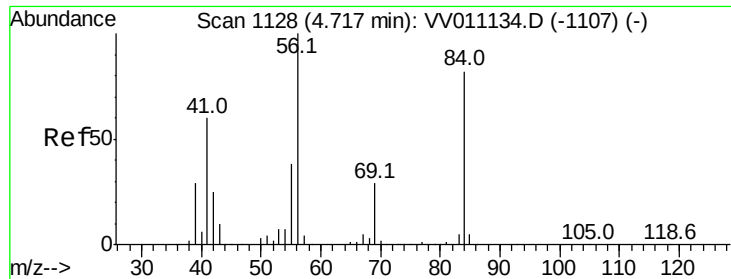
Tgt Ion: 83 Resp: 24111
Ion Ratio Lower Upper
83 100
85 66.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 2.478 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

Tgt Ion: 62 Resp: 15868
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.0

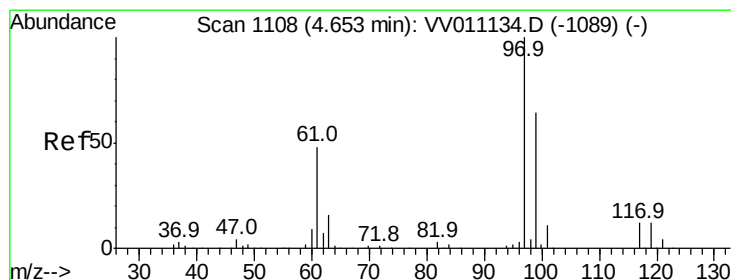
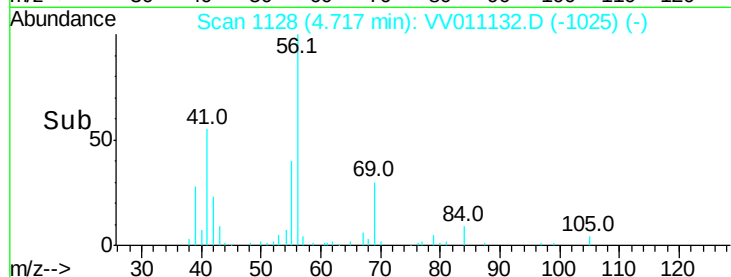
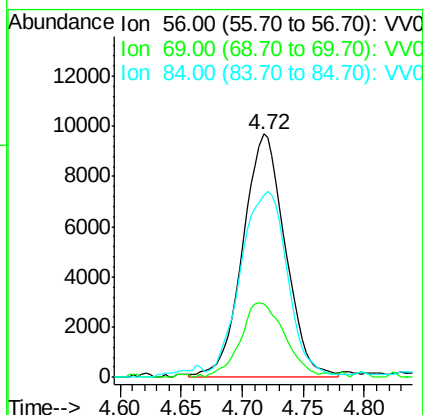
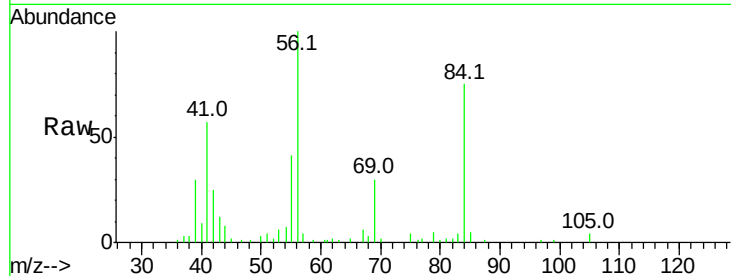




#30
Cyclohexane
Concen: 2.470 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

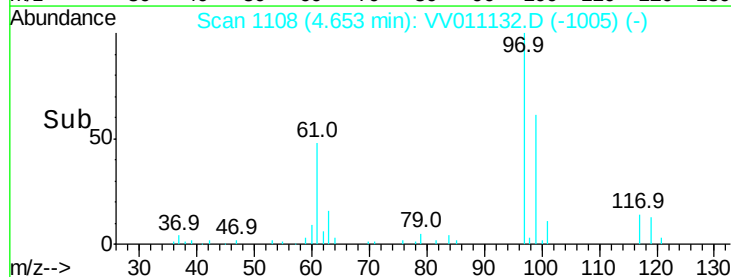
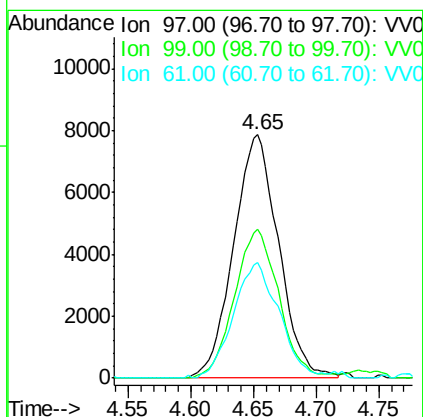
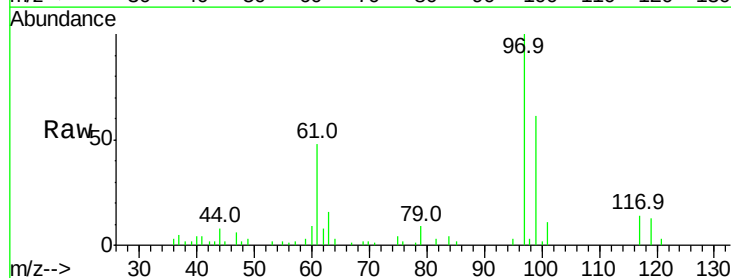
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

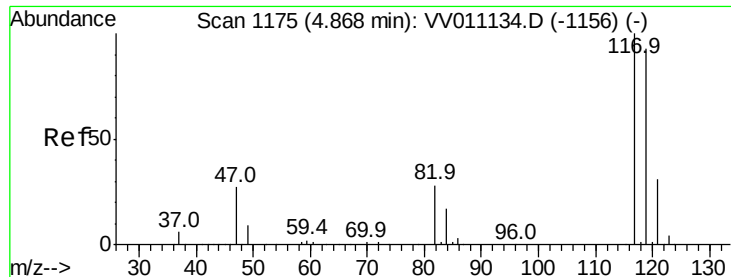
Tgt Ion: 56 Resp: 23310
Ion Ratio Lower Upper
56 100
69 31.8 23.4 35.0
84 82.9 65.8 98.8



#31
1,1,1-Trichloroethane
Concen: 2.643 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

Tgt Ion: 97 Resp: 19609
Ion Ratio Lower Upper
97 100
99 59.7 51.3 76.9
61 48.1 38.4 57.6





#32

Carbon tetrachloride

Concen: 2.503 ug/L

RT: 4.87 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

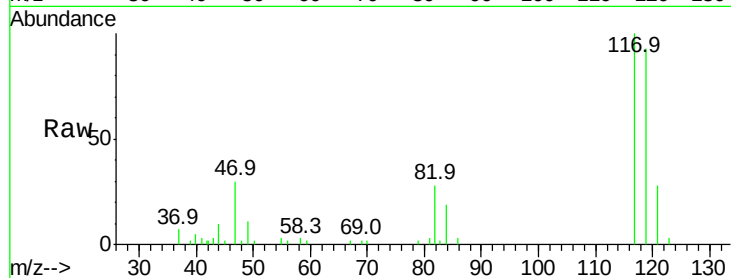
VSTD2.567

Tgt Ion:117 Resp: 15905

Ion Ratio Lower Upper

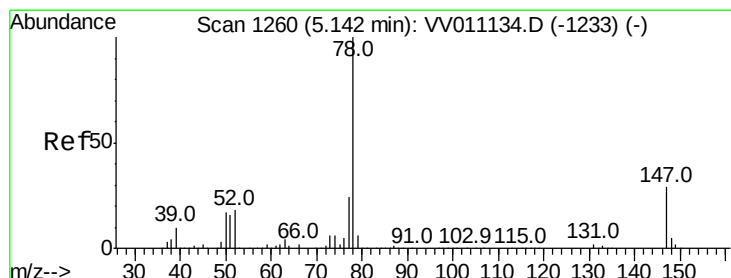
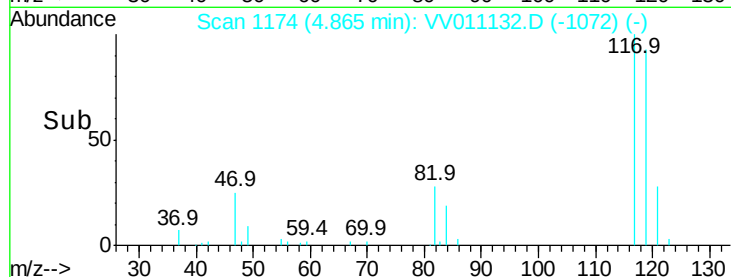
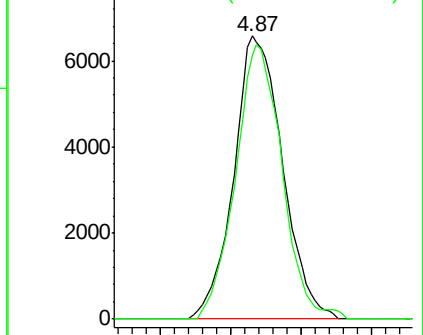
117 100

119 91.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.484 ug/L

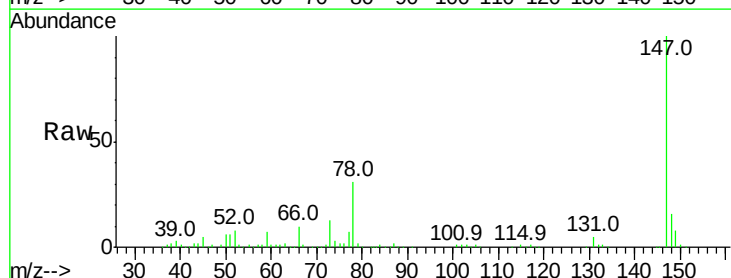
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

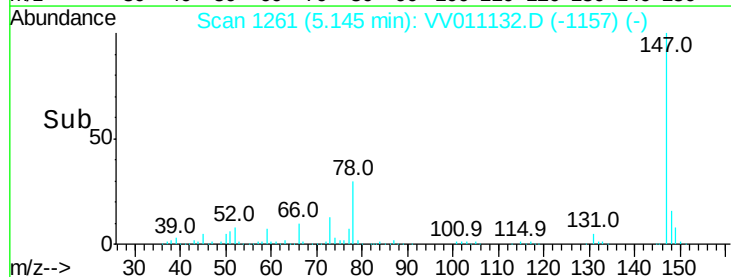
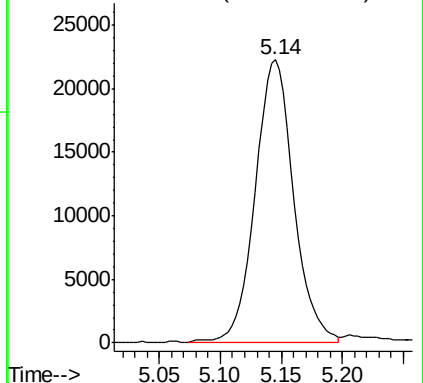
Lab File: VV011132.D

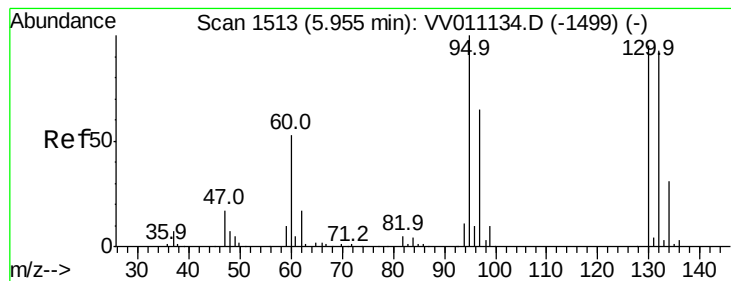
Acq: 30 May 2019 12:30

Tgt Ion: 78 Resp: 48951



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.454 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

Tgt Ion: 95 Resp: 12628

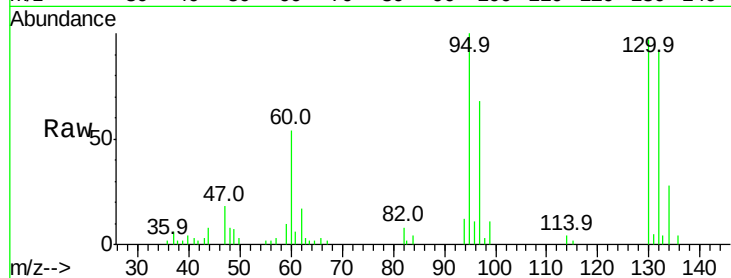
Ion Ratio Lower Upper

95 100

97 70.1 44.4 82.5

132 93.4 66.0 122.6

130 100.9 67.4 125.2



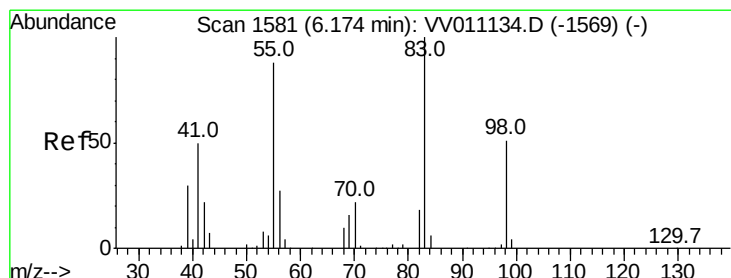
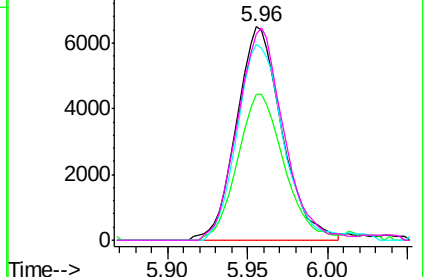
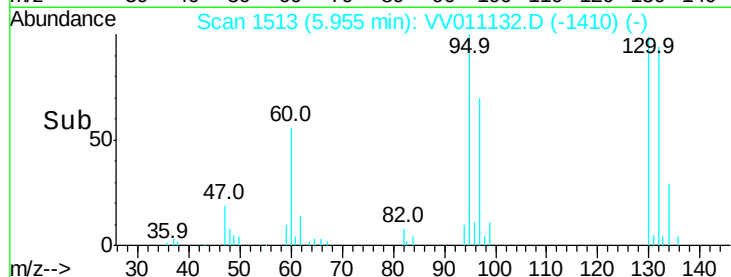
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->



#36

Methylcyclohexane

Concen: 2.561 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

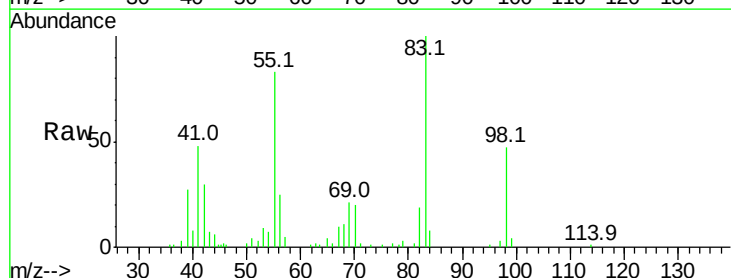
Tgt Ion: 83 Resp: 22743

Ion Ratio Lower Upper

83 100

55 86.1 66.4 99.6

98 48.4 37.9 56.9

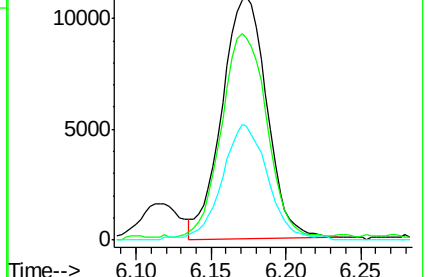
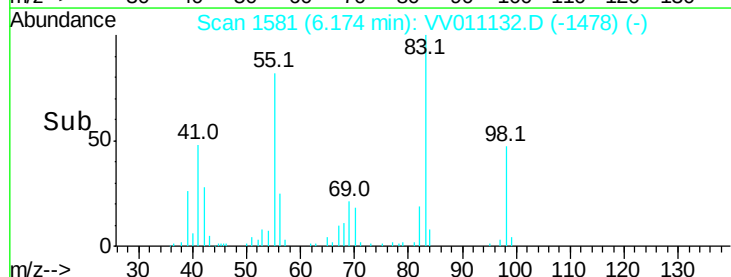


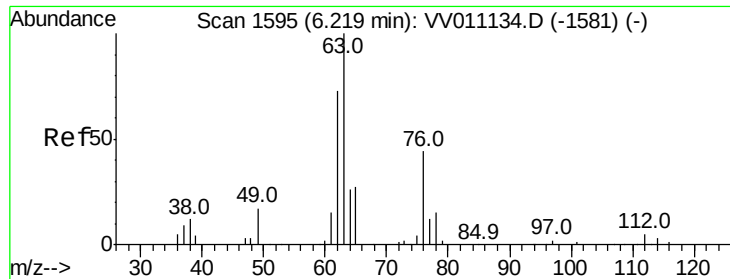
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->

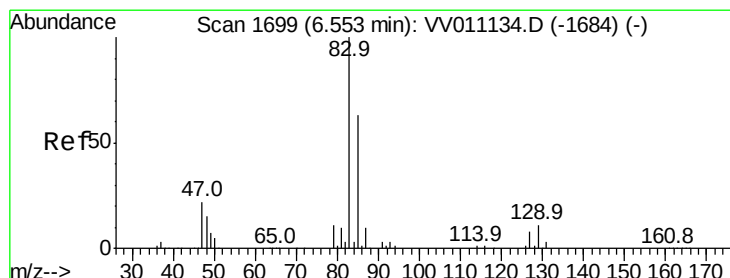
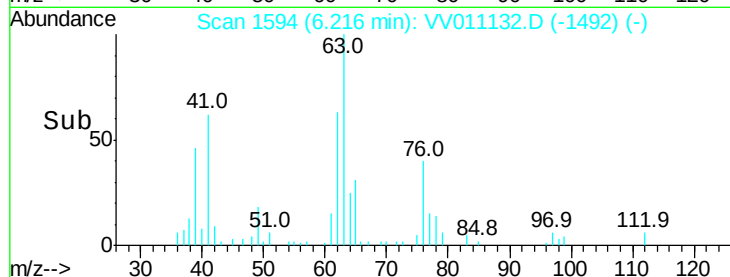
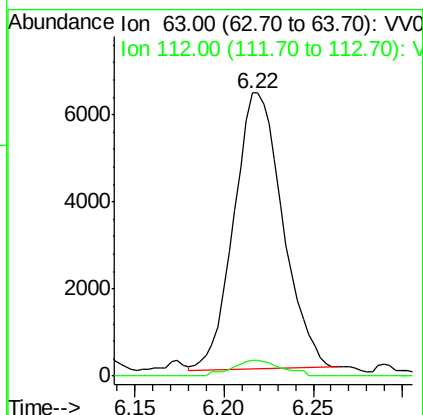
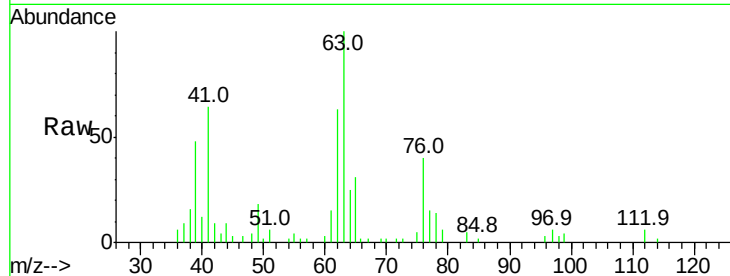




#40
 1,2-Dichloropropane
 Concen: 2.305 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

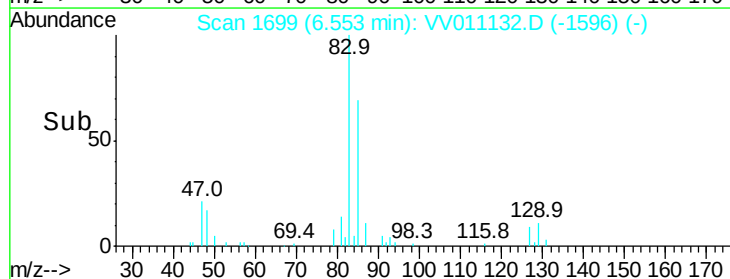
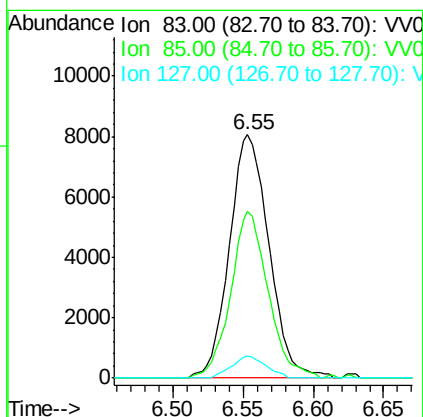
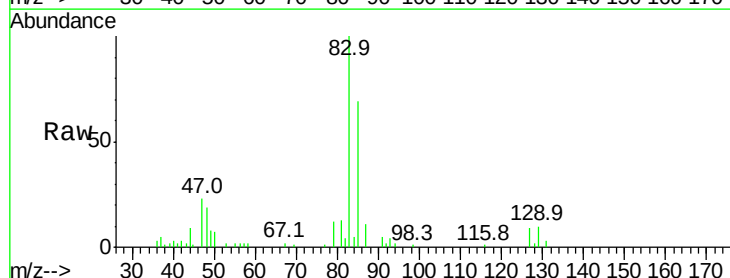
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

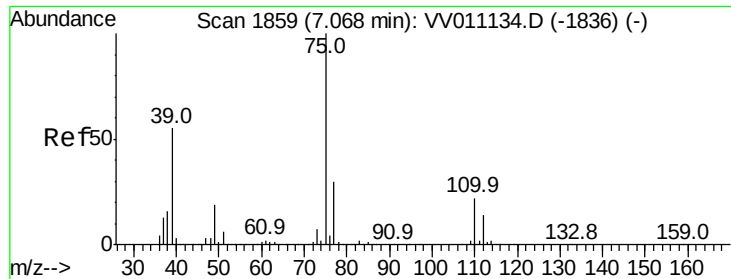
Tgt Ion: 63 Resp: 12107
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#41
 Bromodichloromethane
 Concen: 2.378 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Tgt Ion: 83 Resp: 15833
 Ion Ratio Lower Upper
 83 100
 85 68.6 44.1 81.9
 127 9.1 6.3 9.5

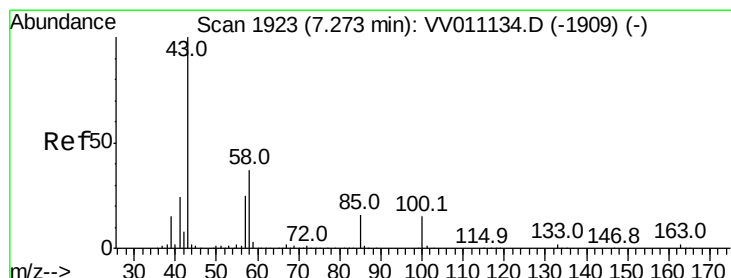
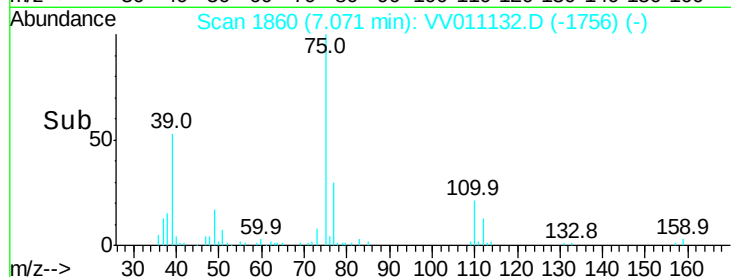
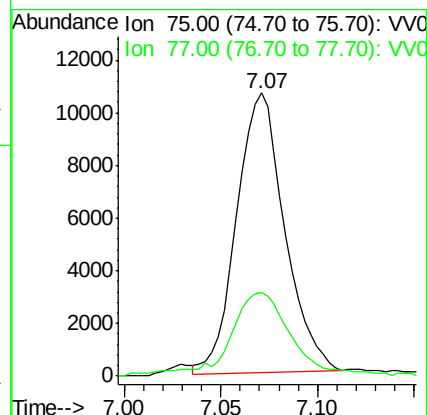
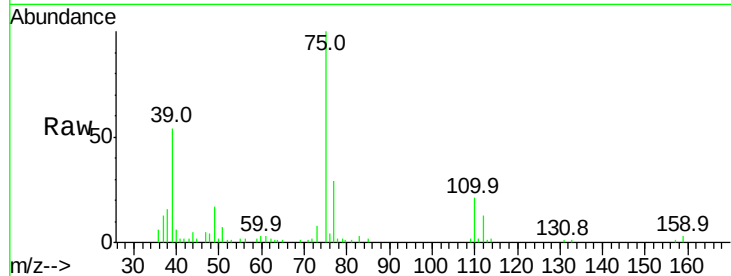




#42
 cis-1,3-Dichloropropene
 Concen: 2.186 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

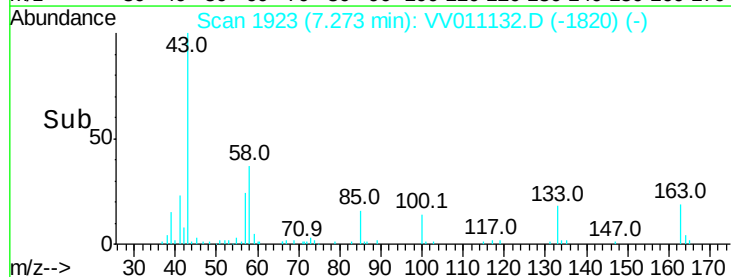
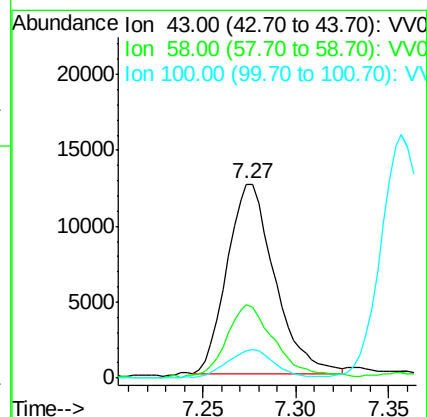
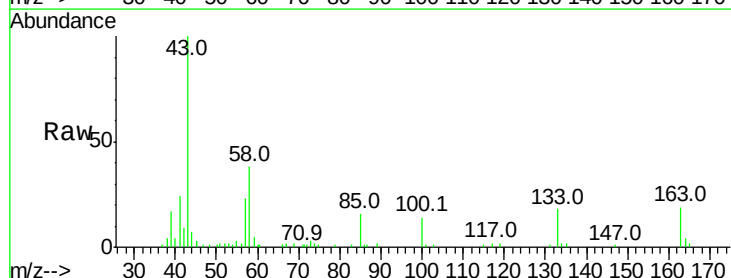
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

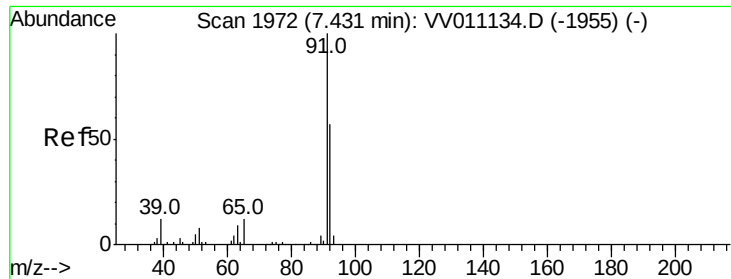
Tgt Ion: 75 Resp: 18341
 Ion Ratio Lower Upper
 75 100
 77 29.4 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 4.844 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Tgt Ion: 43 Resp: 22311
 Ion Ratio Lower Upper
 43 100
 58 40.1 30.2 45.4
 100 15.0 11.3 16.9





#44

Toluene

Concen: 2.456 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

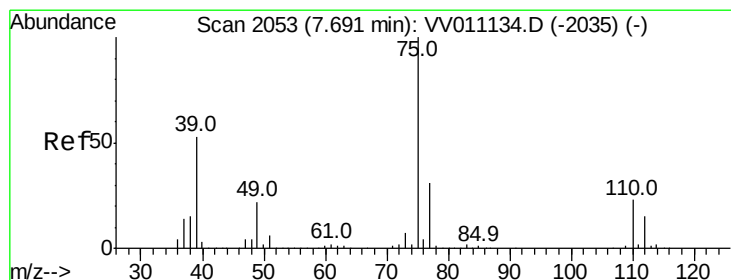
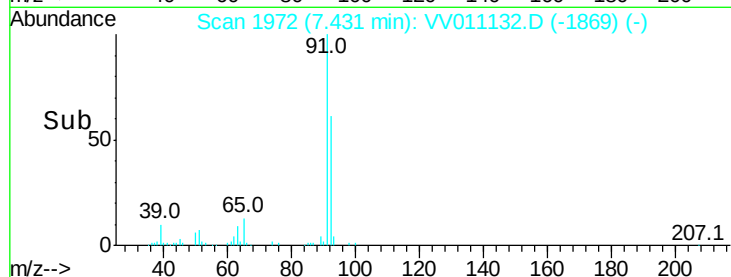
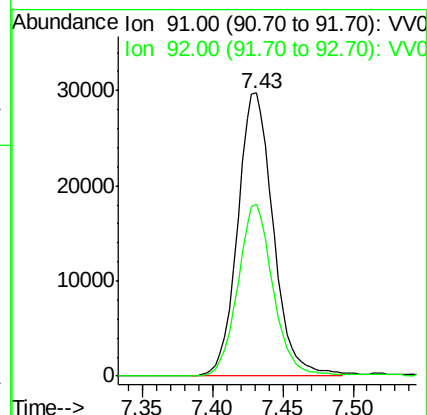
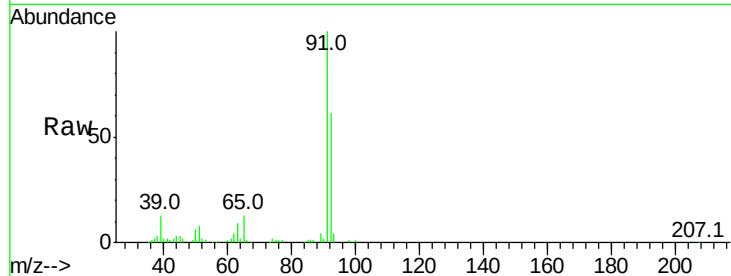
VSTD2.567

Tgt Ion: 91 Resp: 52615

Ion Ratio Lower Upper

91 100

92 60.9 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 2.127 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011132.D

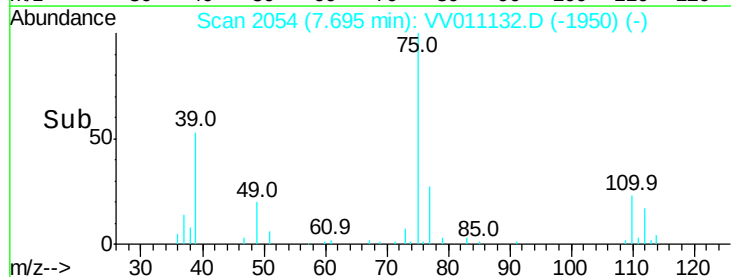
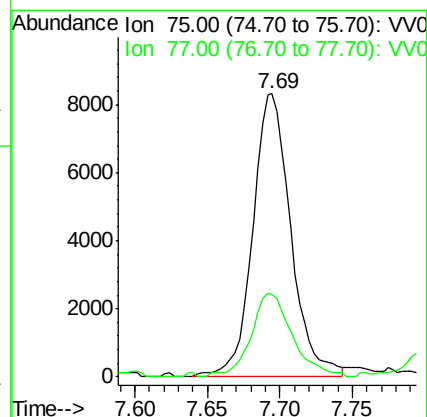
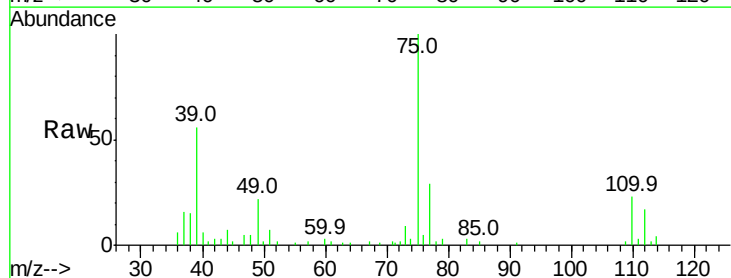
Acq: 30 May 2019 12:30

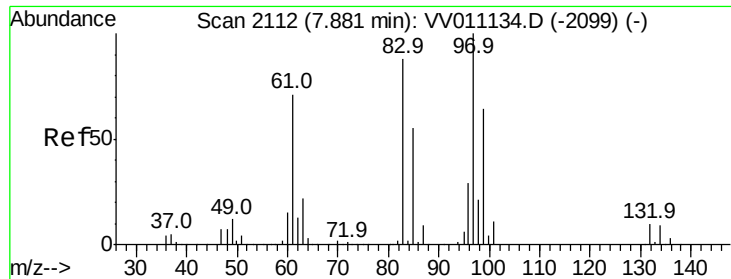
Tgt Ion: 75 Resp: 15232

Ion Ratio Lower Upper

75 100

77 29.1 22.1 41.1

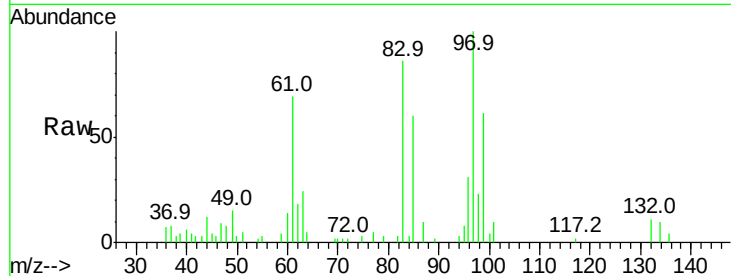




#46
 1,1,2-Trichloroethane
 Concen: 2.474 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Tgt Ion:	97	Resp:	9629
Ion	Ratio	Lower	Upper
97	100		
83	86.4	61.9	115.1
85	59.5	38.6	71.8
99	61.5	44.7	82.9



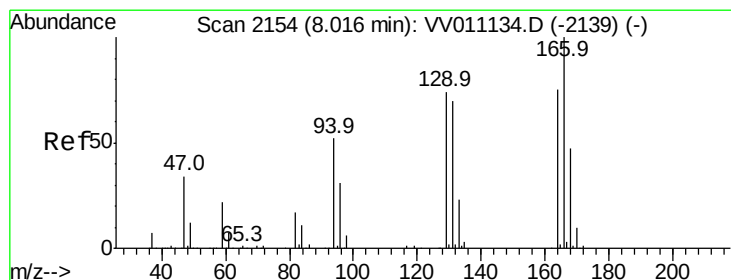
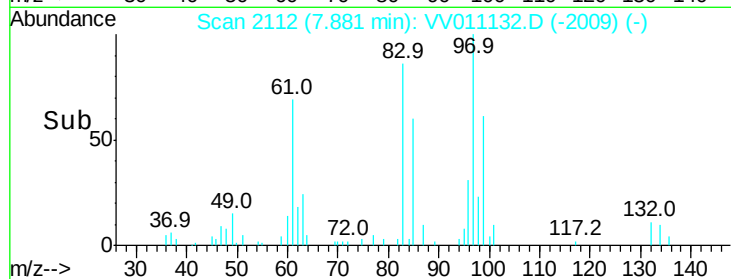
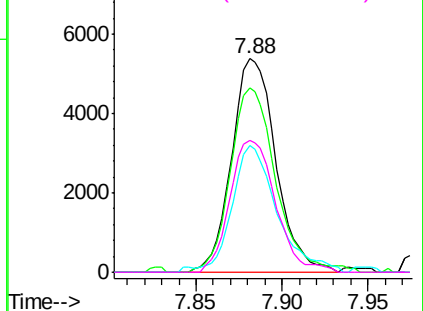
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

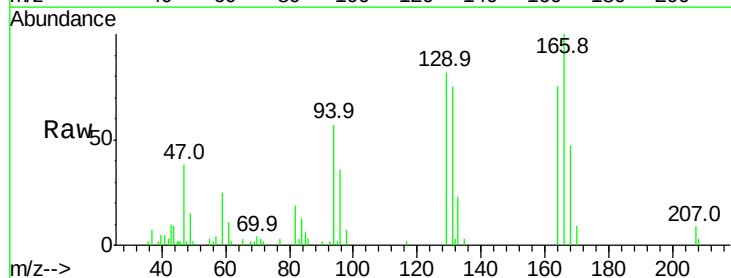
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 2.654 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Tgt Ion:	164	Resp:	9852
Ion	Ratio	Lower	Upper
164	100		
129	108.4	69.1	128.3
131	99.6	65.5	121.6
166	132.9	93.2	173.0



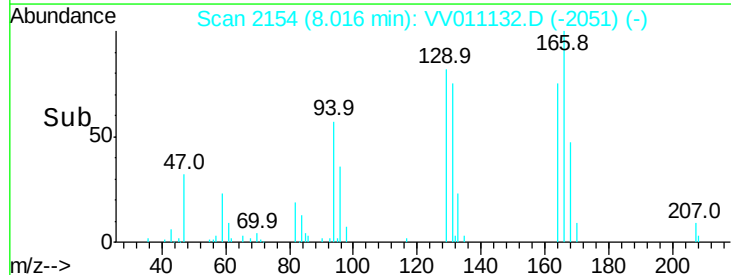
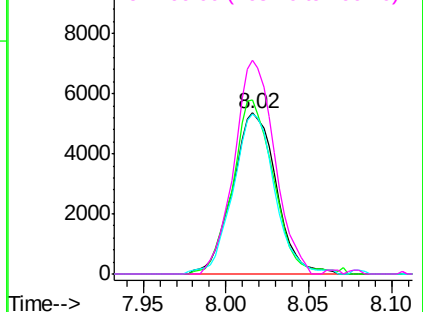
Abundance

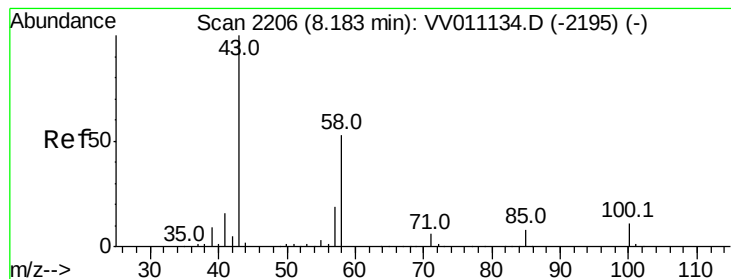
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 4.022 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

Tgt Ion: 43 Resp: 13662

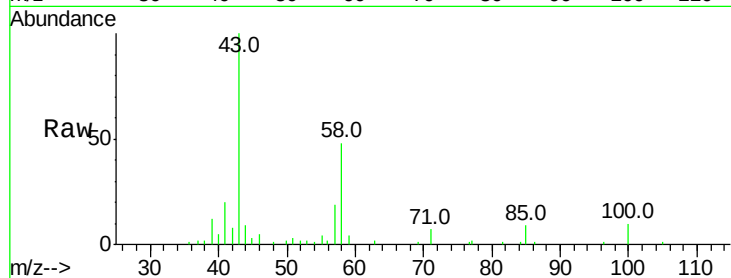
Ion Ratio Lower Upper

43 100

58 54.0 41.2 61.8

57 17.4 14.3 21.5

100 12.7 9.1 13.7

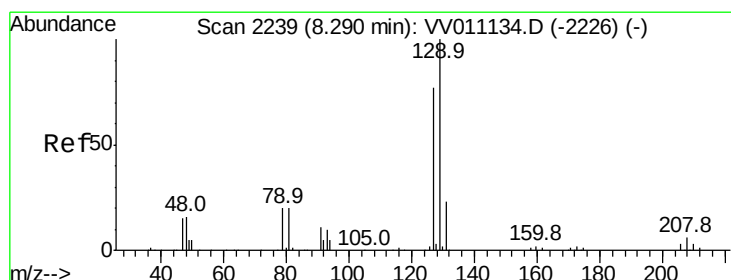
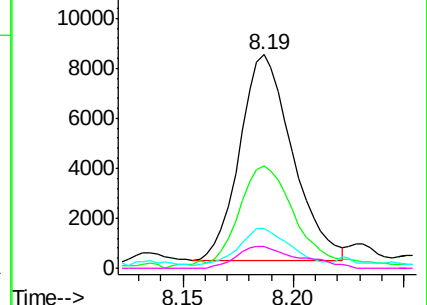
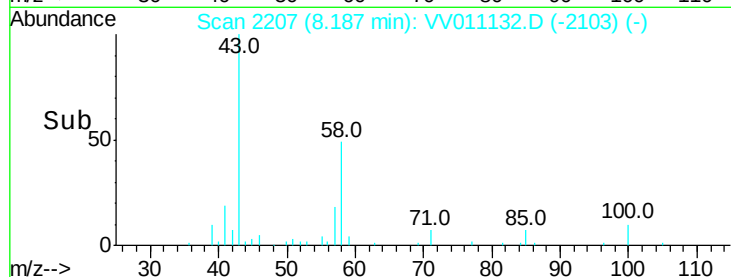


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 2.235 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV011132.D

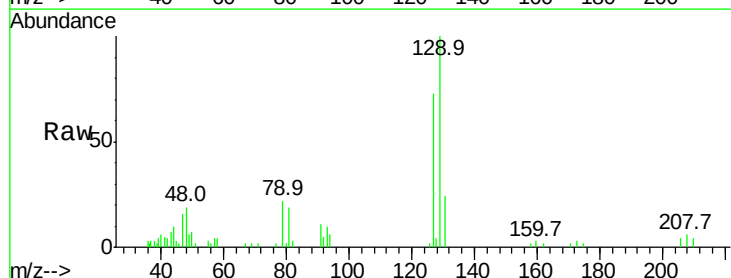
Acq: 30 May 2019 12:30

Tgt Ion: 129 Resp: 10078

Ion Ratio Lower Upper

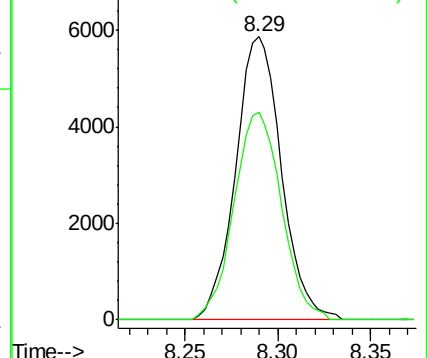
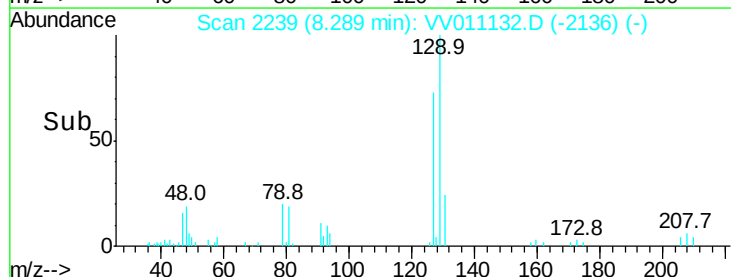
129 100

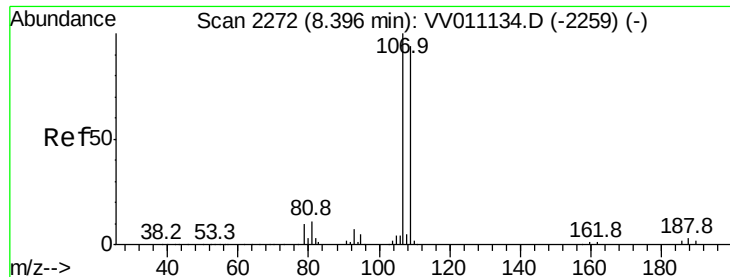
127 73.2 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 2.486 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

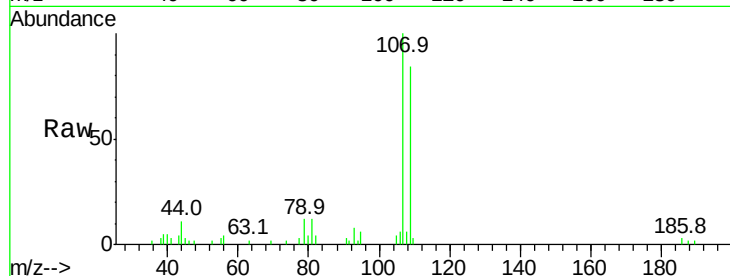
Tgt Ion:107 Resp: 9258

Ion Ratio Lower Upper

107 100

109 84.4 65.5 121.7

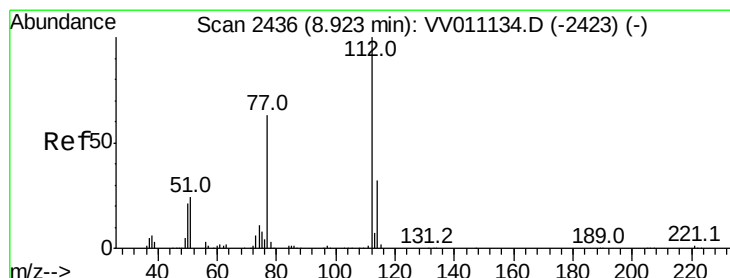
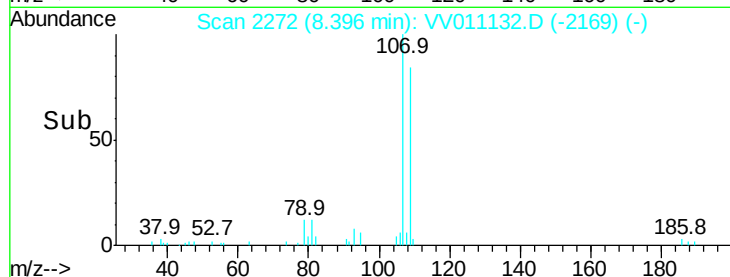
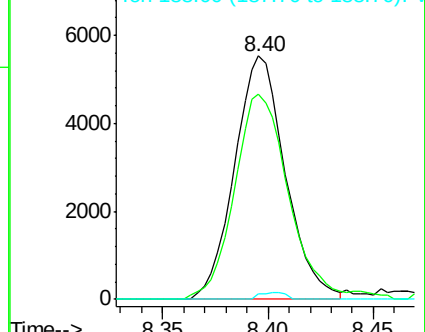
188 2.0 2.6 3.8#



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: 2.596 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

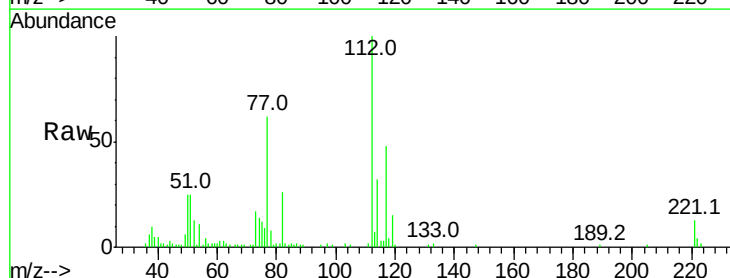
Tgt Ion:112 Resp: 34467

Ion Ratio Lower Upper

112 100

77 61.6 50.8 76.2

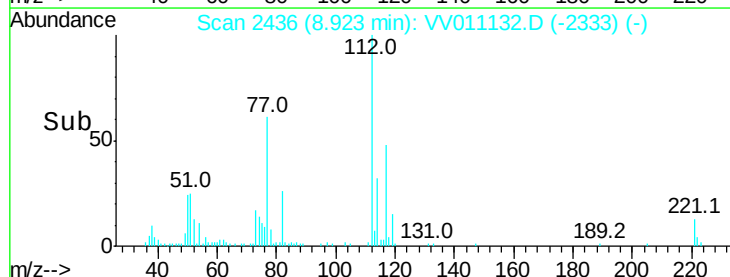
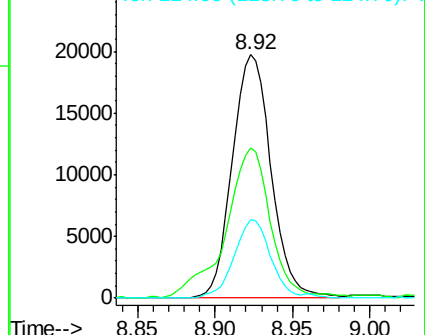
114 32.1 22.6 42.0

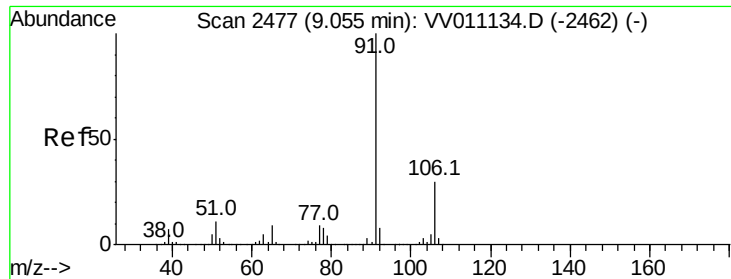


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

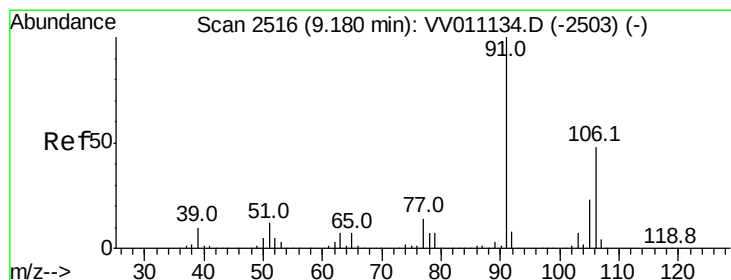
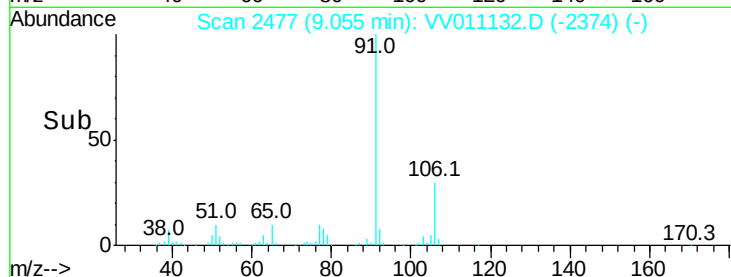
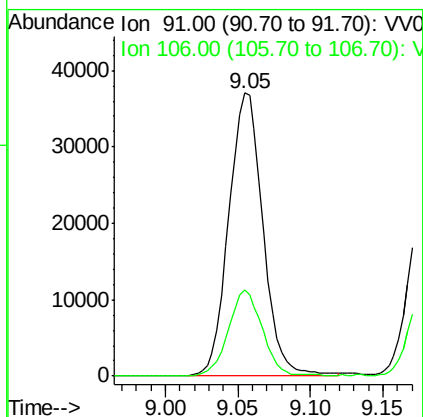
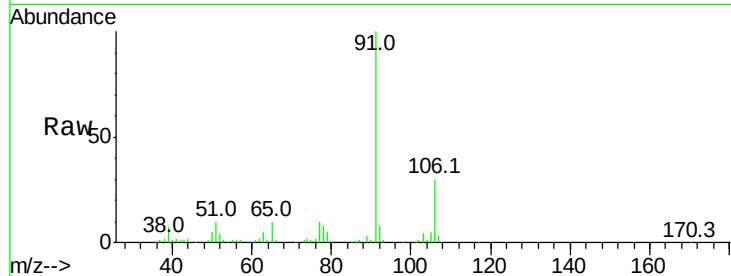




#53
Ethylbenzene
Concen: 2.485 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

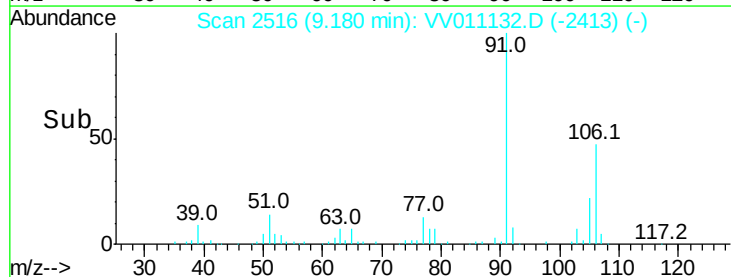
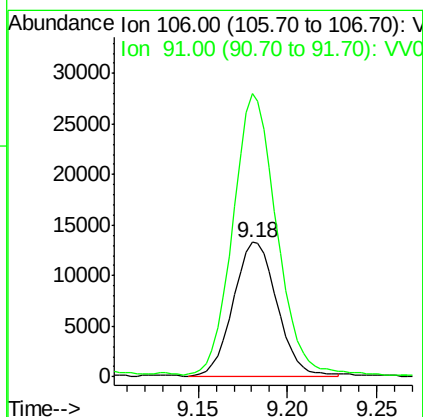
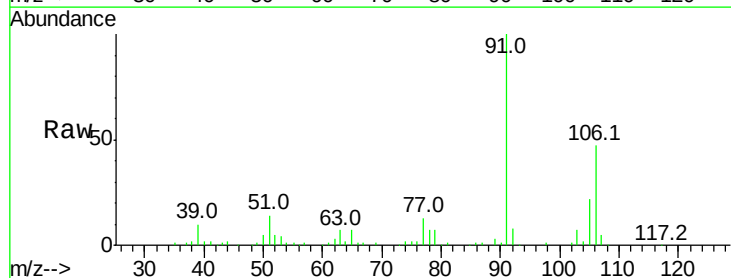
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.567

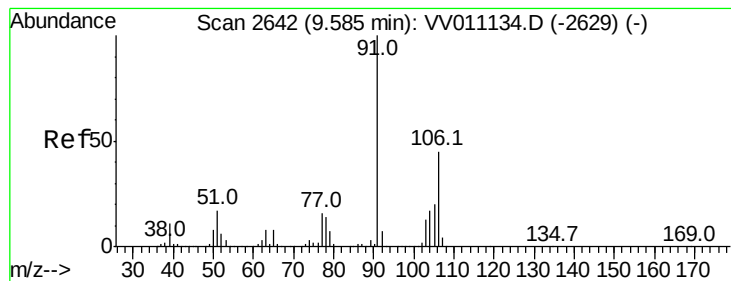
Tgt Ion: 91 Resp: 60689
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#54
m,p-Xylene
Concen: 2.526 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011132.D
Acq: 30 May 2019 12:30

Tgt Ion: 106 Resp: 22985
Ion Ratio Lower Upper
106 100
91 210.7 145.3 269.9





#55

o-xylene

Concen: 2.509 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

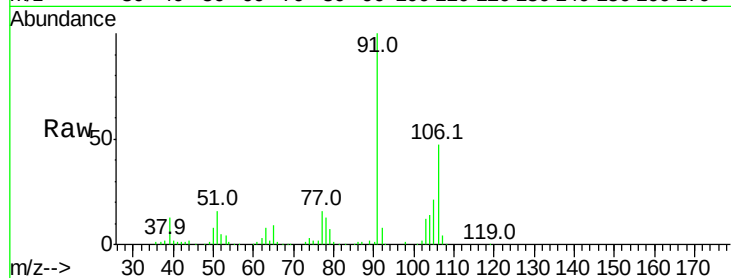
VSTD2.567

Tgt Ion:106 Resp: 22183

Ion Ratio Lower Upper

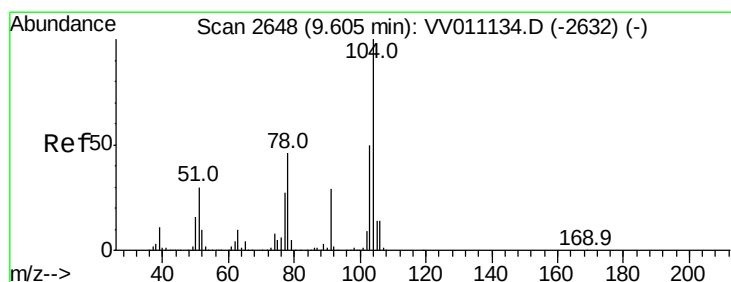
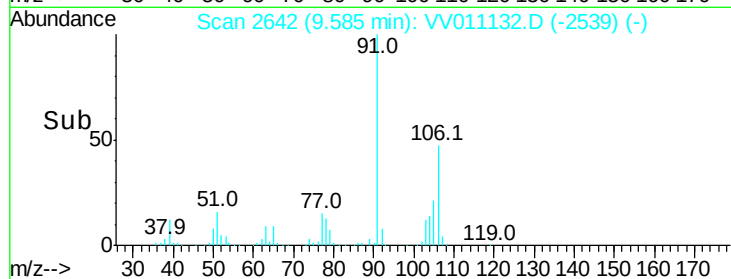
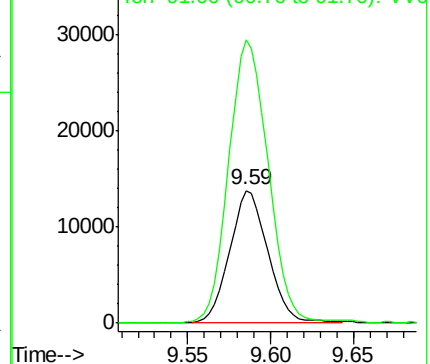
106 100

91 213.3 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.292 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011132.D

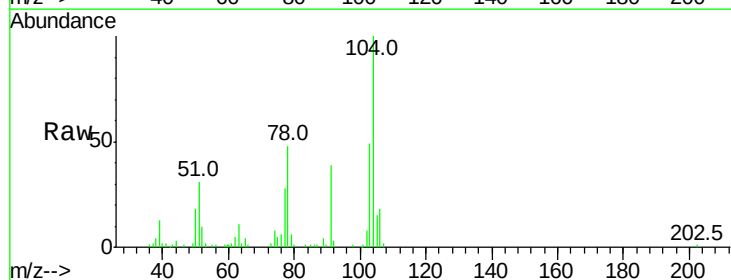
Acq: 30 May 2019 12:30

Tgt Ion:104 Resp: 34359

Ion Ratio Lower Upper

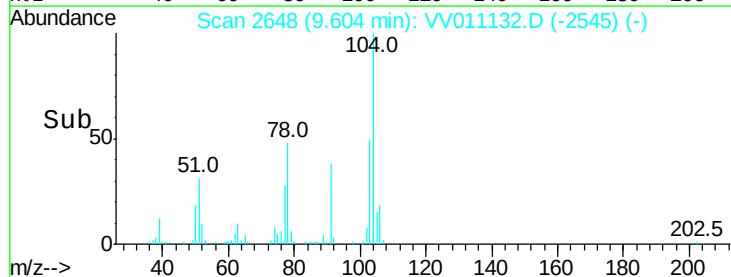
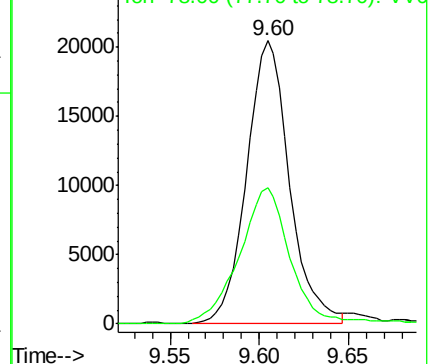
104 100

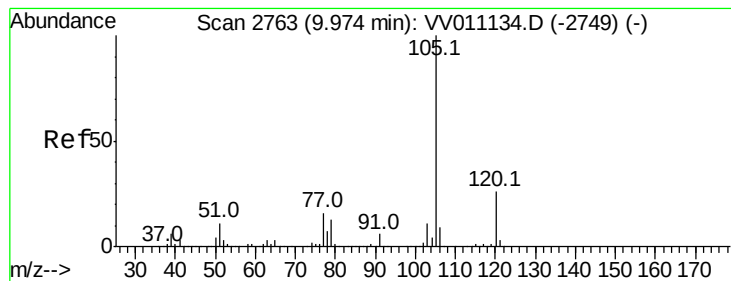
78 48.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.494 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

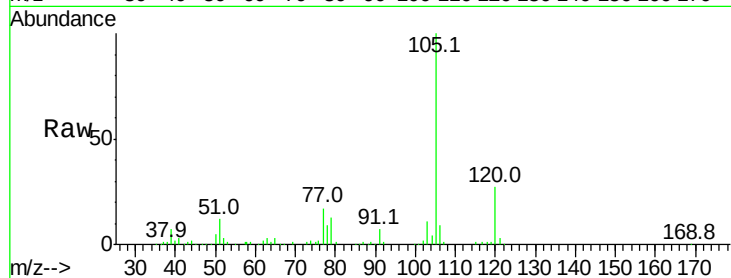
Tgt Ion:105 Resp: 58834

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

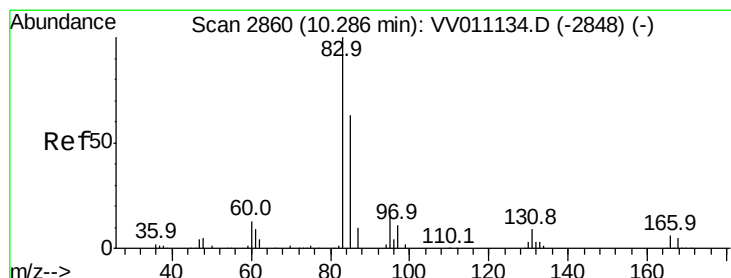
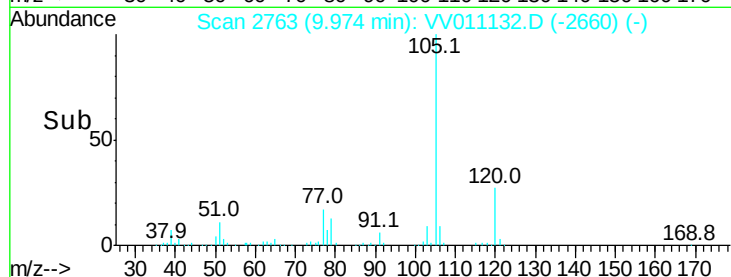
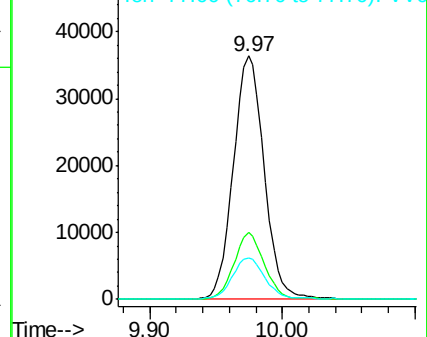
77 18.2 13.3 19.9



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: 2.548 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

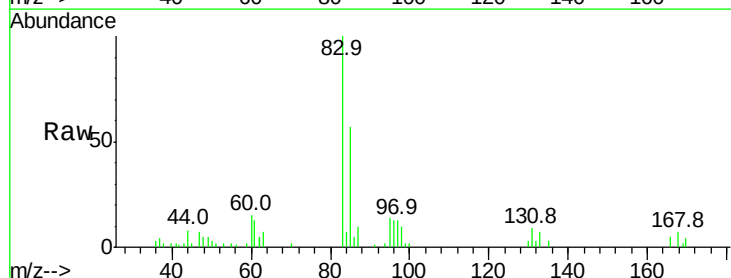
Tgt Ion: 83 Resp: 13064

Ion Ratio Lower Upper

83 100

85 57.0 44.4 82.4

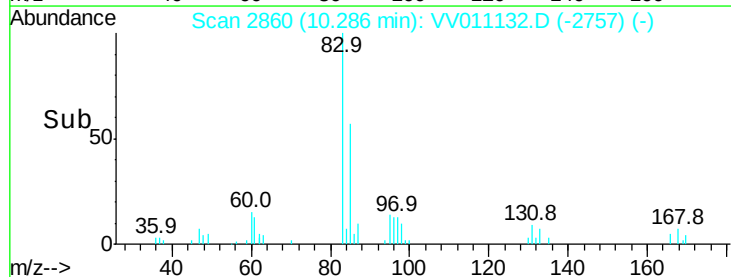
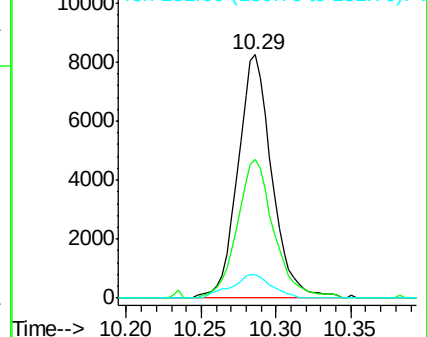
131 9.4 7.5 11.3

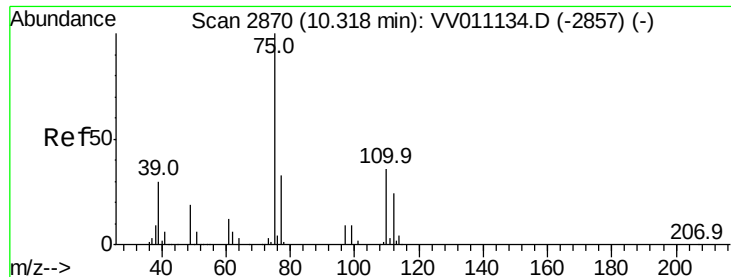


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.521 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

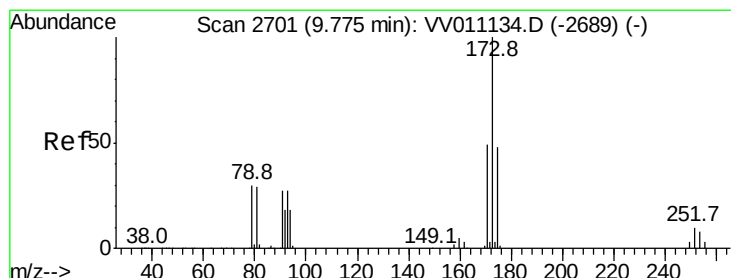
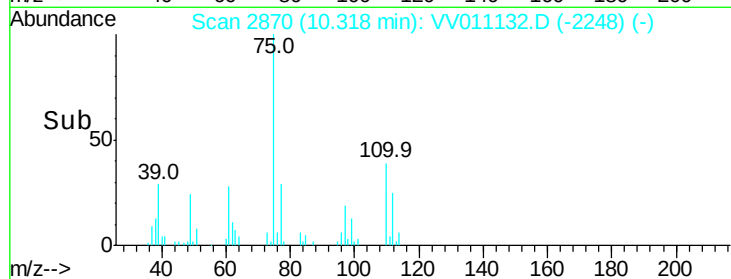
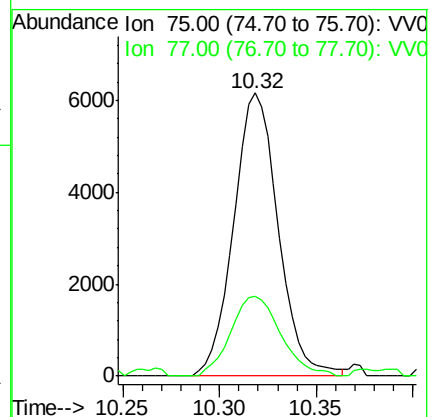
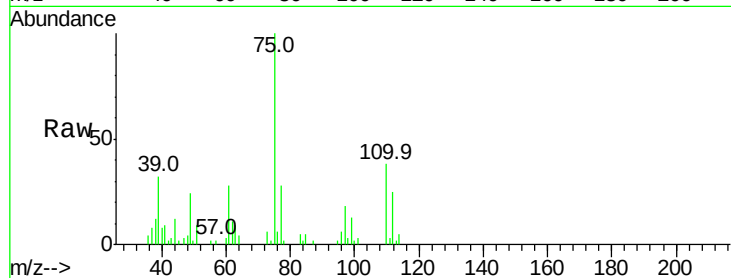
VSTD2.567

Tgt Ion: 75 Resp: 9879

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#62

Bromoform

Concen: 1.981 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

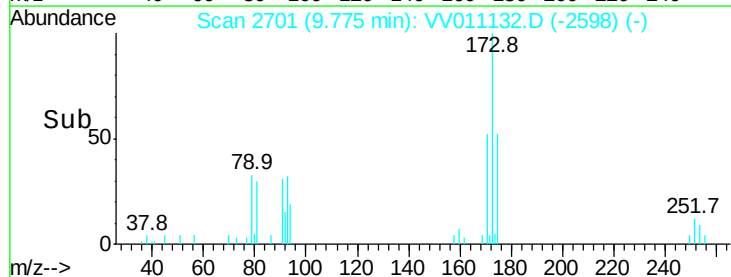
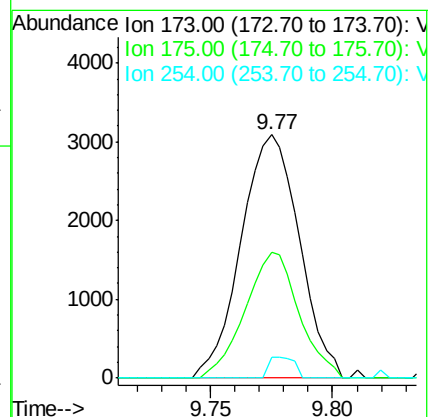
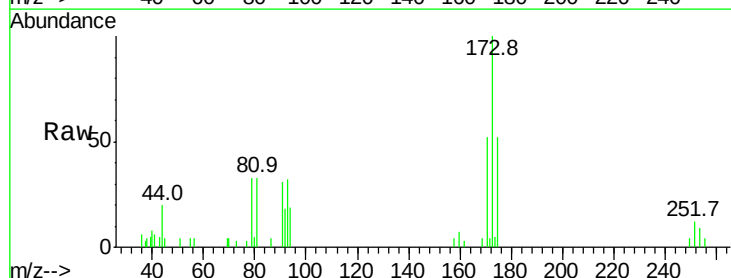
Tgt Ion: 173 Resp: 5116

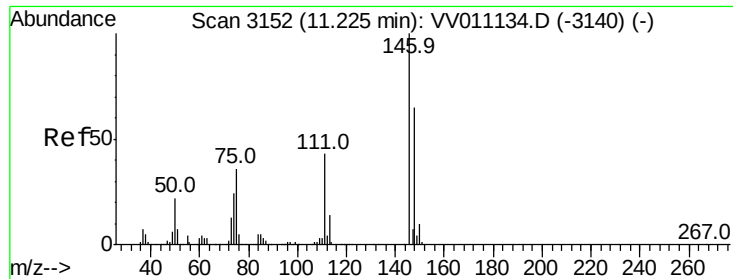
Ion Ratio Lower Upper

173 100

175 47.7 38.1 57.1

254 3.7 6.9 10.3#





#63

1,3-Dichlorobenzene

Concen: 2.459 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

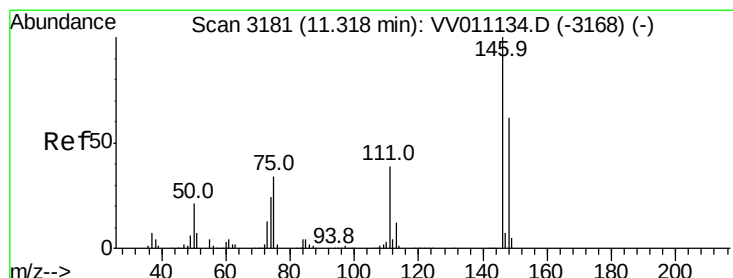
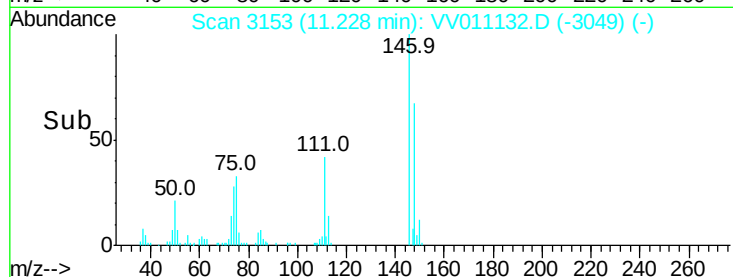
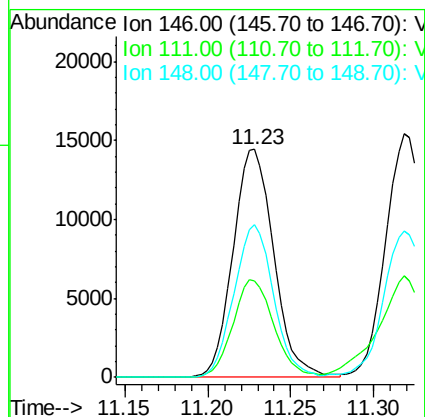
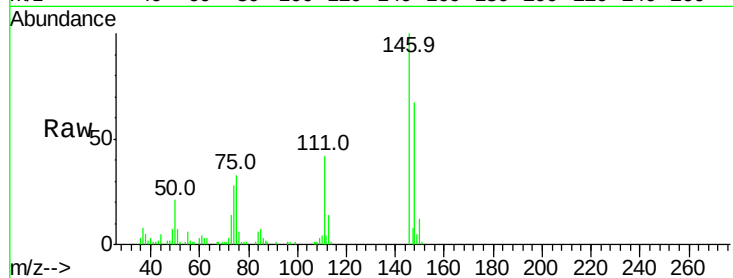
Tgt Ion:146 Resp: 24829

Ion Ratio Lower Upper

146 100

111 42.4 29.9 55.5

148 67.1 45.4 84.2



#64

1,4-Dichlorobenzene

Concen: 2.605 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

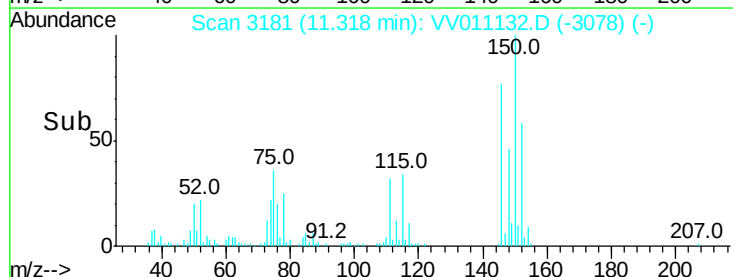
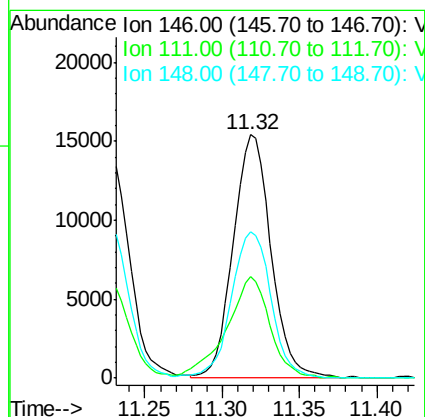
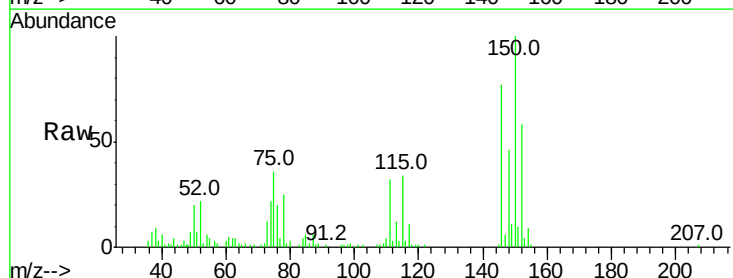
Tgt Ion:146 Resp: 26183

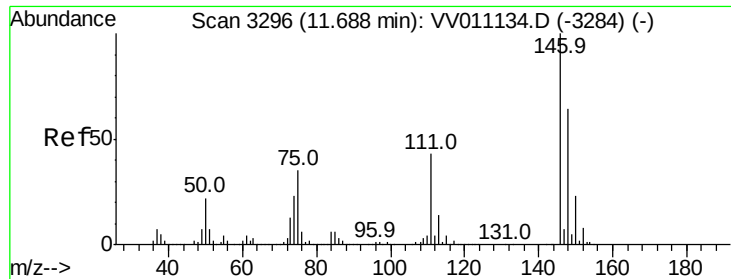
Ion Ratio Lower Upper

146 100

111 41.5 27.4 51.0

148 60.2 43.7 81.1

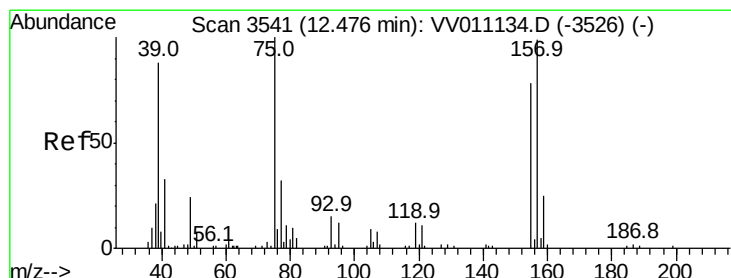
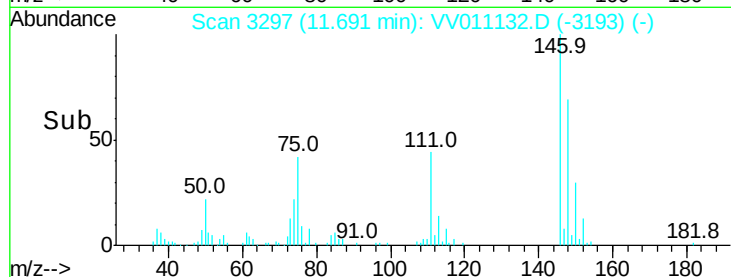
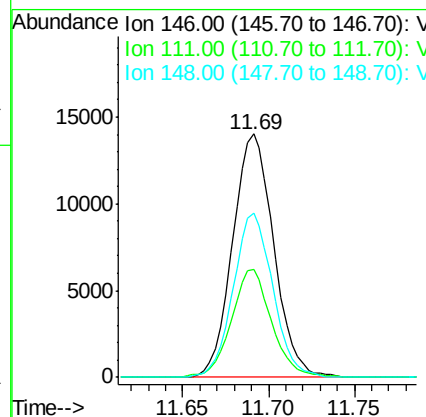
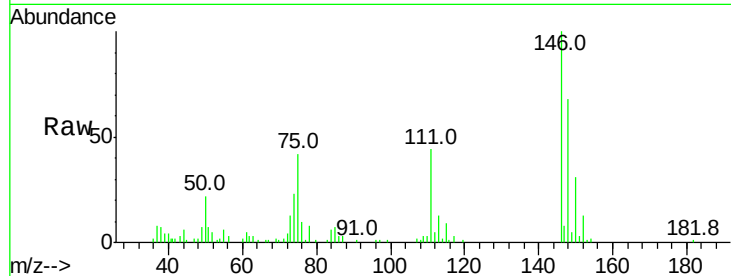




#65
 1,2-Dichlorobenzene
 Concen: 2.468 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

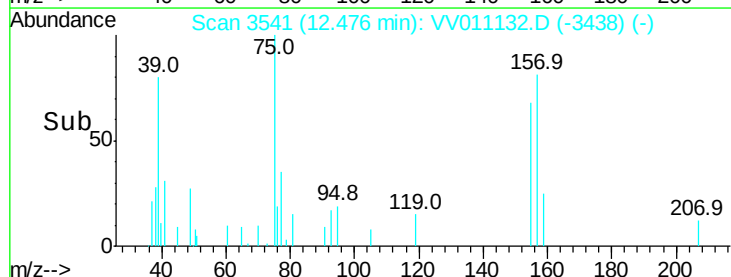
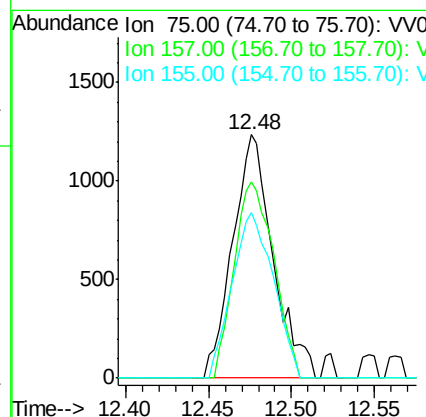
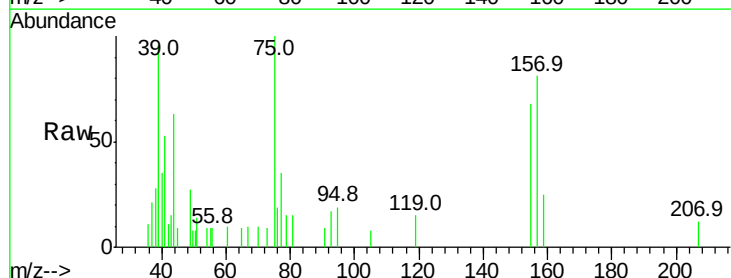
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

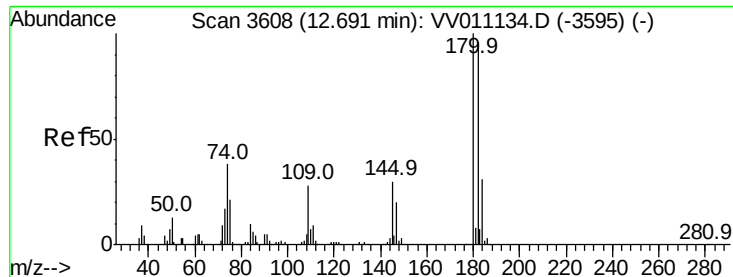
Tgt Ion:146 Resp: 23290
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.8 52.2
 148 67.7 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.224 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Tgt Ion: 75 Resp: 2142
 Ion Ratio Lower Upper
 75 100
 157 80.8 79.6 119.4
 155 68.0 62.4 93.6

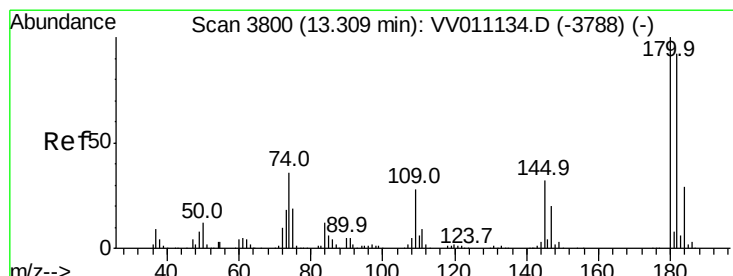
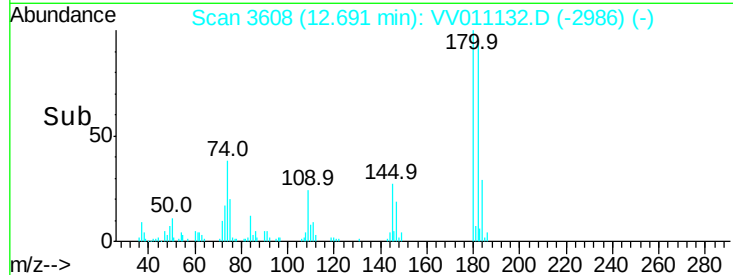
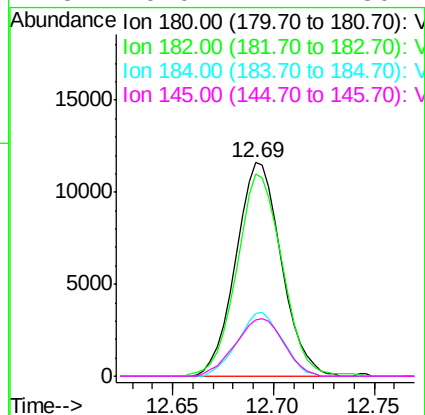
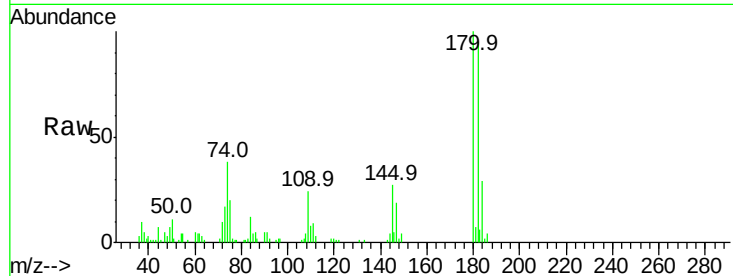




#67
 1,3,5-Trichlorobenzene
 Concen: 2.475 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

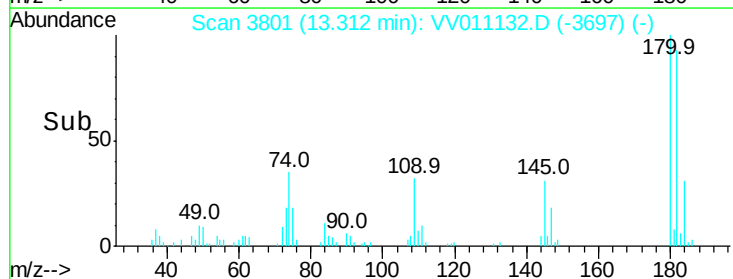
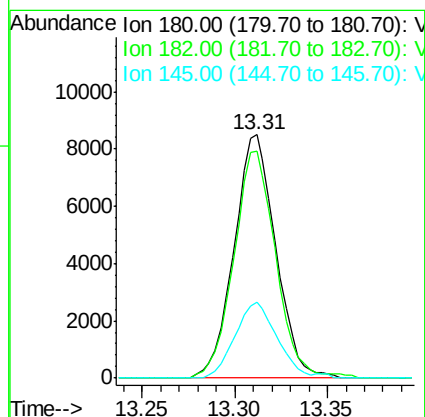
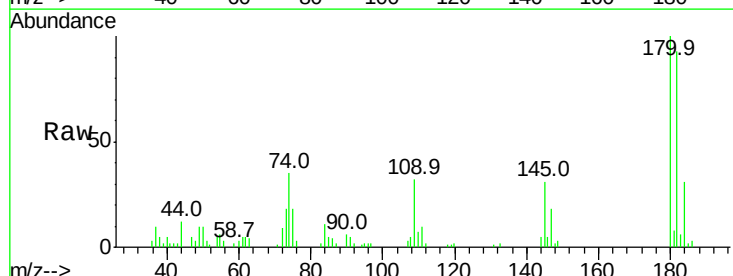
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

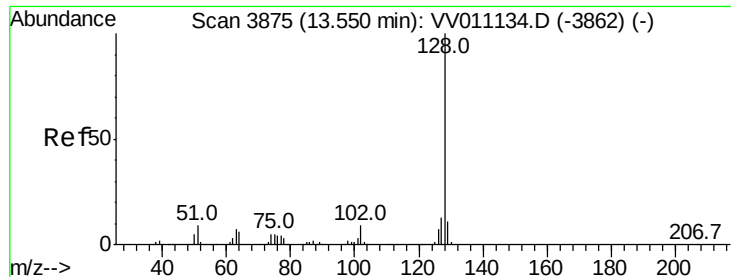
Tgt Ion:	180	Resp:	18384
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.3	112.9
184	29.3	24.3	36.5
145	29.0	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 2.241 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV011132.D
 Acq: 30 May 2019 12:30

Tgt Ion:	180	Resp:	13242
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.4	113.0
145	31.2	25.7	38.5





#69

Naphthalene

Concen: 1.858 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.567

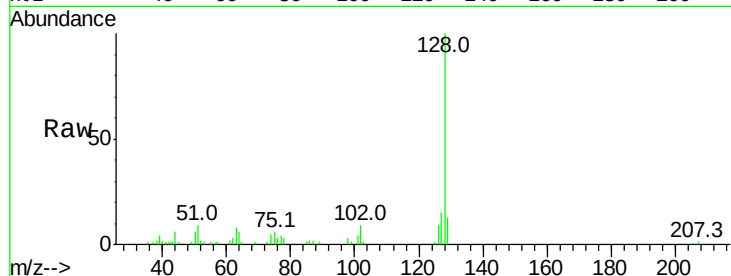
Tgt Ion:128 Resp: 22646

Ion Ratio Lower Upper

128 100

129 12.5 8.6 13.0

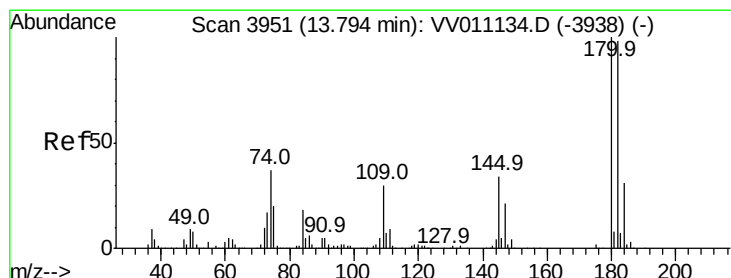
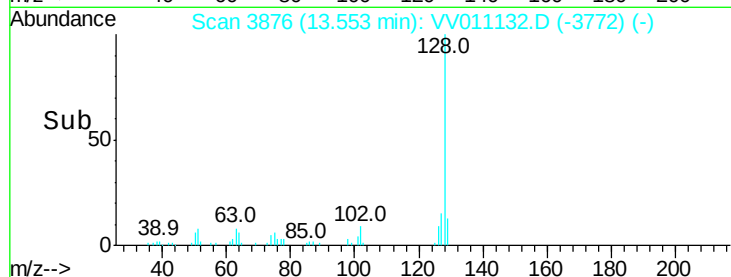
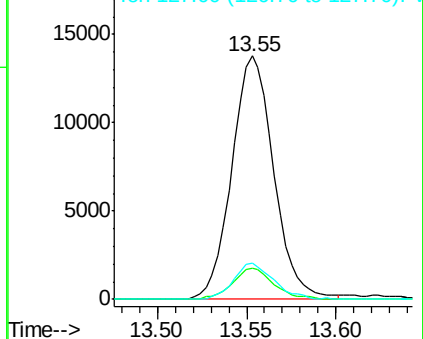
127 14.0 10.6 16.0



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: 2.297 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV011132.D

Acq: 30 May 2019 12:30

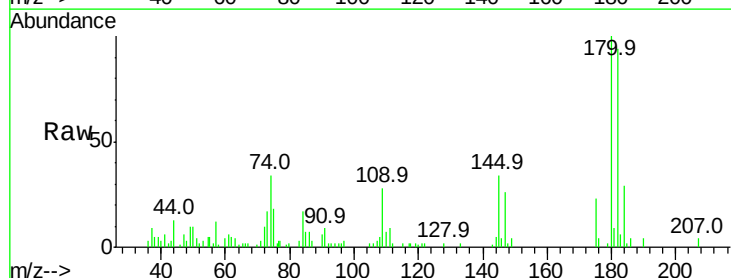
Tgt Ion:180 Resp: 12419

Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.0

145 34.0 27.5 41.3



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

