

Data File : VV011136.D
Acq On : 30 May 2019 14:22
Operator : SY/MD
Sample : VSTD10084
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

Quant Time: May 30 14:43:05 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	359532	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	350197	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	174291	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	416751	84.55	ug/L	0.00
7) Chloroethane-d5	1.55	69	328531	93.38	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	877722	95.72	ug/L	0.00
20) 2-Butanone-d5	3.93	46	356633	209.91	ug/L	0.00
24) Chloroform-d	4.39	84	845540	96.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	554794	99.53	ug/L	0.00
29) Benzene-d6	5.09	84	1752923	85.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	576339	88.34	ug/L	0.00
37) Toluene-d8	7.36	98	1652332	87.42	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	283801	93.38	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	287663	202.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	557394	99.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	614003	89.09	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	551234	94.025	ug/L	99
3) Chloromethane	1.25	50	554439	95.876	ug/L	99
5) Vinyl chloride	1.32	62	528548	99.033	ug/L	99
6) Bromomethane	1.51	94	275865	119.934	ug/L	99
8) Chloroethane	1.57	64	310937	107.397	ug/L	99
9) Trichlorofluoromethane	1.75	101	748583	104.715	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	389551	101.546	ug/L	99
12) 1,1-Dichloroethene	2.13	96	366711	101.593	ug/L	94
13) Acetone	2.19	43	398958	207.291	ug/L	99
14) Carbon disulfide	2.30	76	1196504	99.090	ug/L	100
15) Methyl Acetate	2.45	43	290076	104.419	ug/L	100
16) Methylene chloride	2.52	84	487340	92.717	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	1353704	100.118	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	452017	91.546	ug/L	98
19) 1,1-Dichloroethane	3.22	63	895138	93.250	ug/L	99
21) 2-Butanone	4.02	43	493905	208.381	ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	523694	94.164	ug/L	99
23) Bromochloromethane	4.29	128	227653	96.634	ug/L	91
25) Chloroform	4.42	83	951111	93.827	ug/L	100
27) 1,2-Dichloroethane	5.17	62	696268	105.423	ug/L	98
30) Cyclohexane	4.71	56	844622	83.266	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	754176	94.585	ug/L	100
32) Carbon tetrachloride	4.87	117	646458	94.663	ug/L	100
34) Benzene	5.14	78	1919964	90.664	ug/L	100
35) Trichloroethene	5.96	95	508015	91.853	ug/L	99
36) Methylcyclohexane	6.17	83	837209	87.728	ug/L	100
40) 1,2-Dichloropropane	6.22	63	527022	93.385	ug/L	99
41) Bromodichloromethane	6.55	83	707756	98.923	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	886976	98.369	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	975822	197.161	ug/L	99

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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)
44) Toluene	7.43	91	2108909	91.594	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	775505	100.792	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	411694	98.428	ug/L	98
47) Tetrachloroethene	8.02	164	364888	91.479	ug/L	97
49) 2-Hexanone	8.18	43	759502	208.078	ug/L	99
50) Dibromochloromethane	8.29	129	501800	103.545	ug/L	99
51) 1,2-Dibromoethane	8.40	107	410177	102.478	ug/L	99
52) Chlorobenzene	8.92	112	1369393	95.970	ug/L	100
53) Ethylbenzene	9.05	91	2437943	92.879	ug/L	100
54) m,p-Xylene	9.18	106	903746	92.434	ug/L	100
55) o-xylene	9.59	106	906566	95.422	ug/L	99
56) Styrene	9.60	104	1601595	99.422	ug/L	97
57) Isopropylbenzene	9.97	105	2389038	94.220	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	569636	103.378	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	434890	103.273	ug/L	100
62) Bromoform	9.78	173	297715	101.541	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	1077957	94.011	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	1081238	94.758	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	1017007	94.917	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	107140	97.958	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	801179	95.004	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	695986	103.741	ug/L	99
69) Naphthalene	13.55	128	1606835	116.106	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	648337	105.604	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

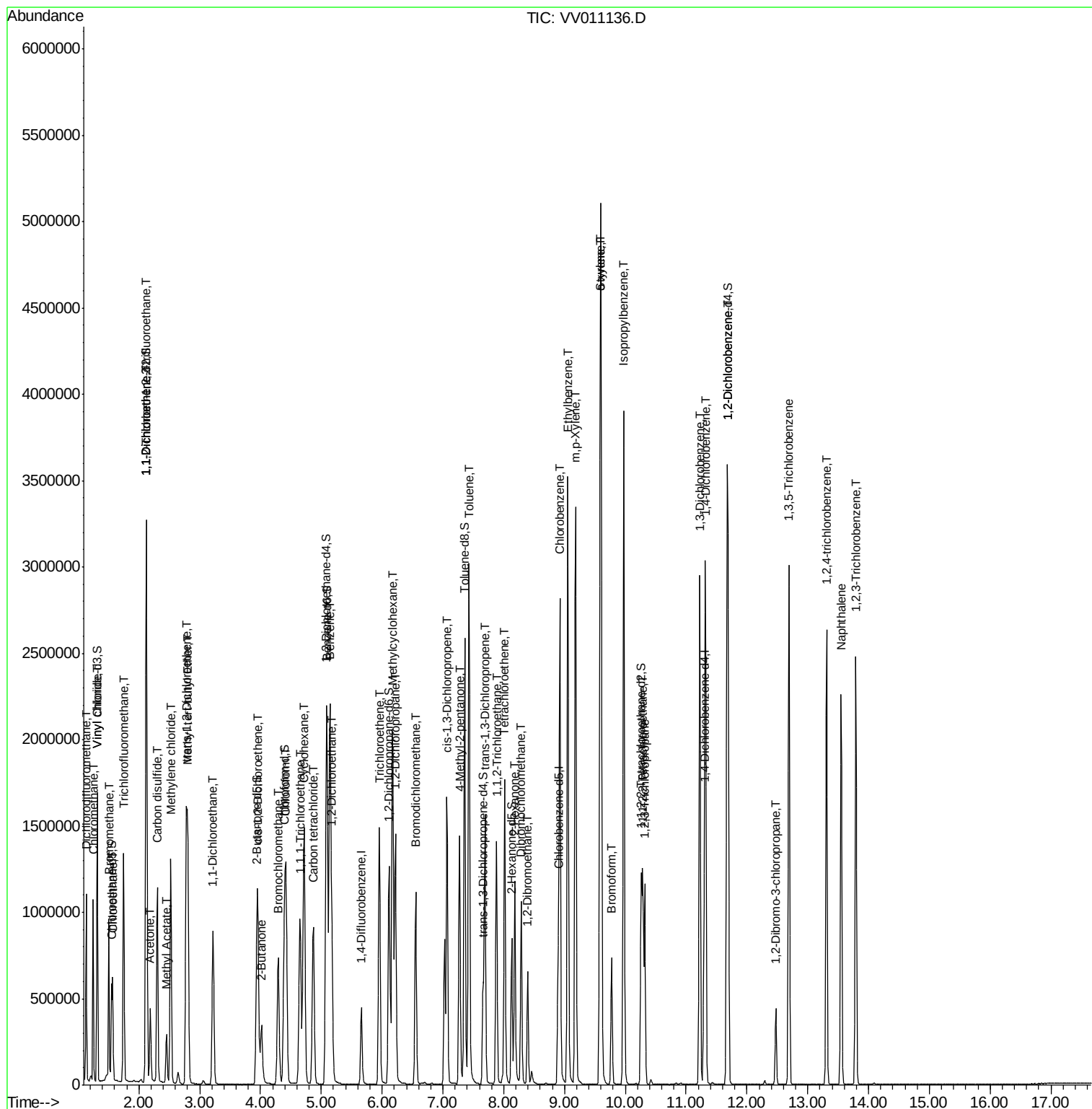
Quant Time: May 30 14:43:05 2019

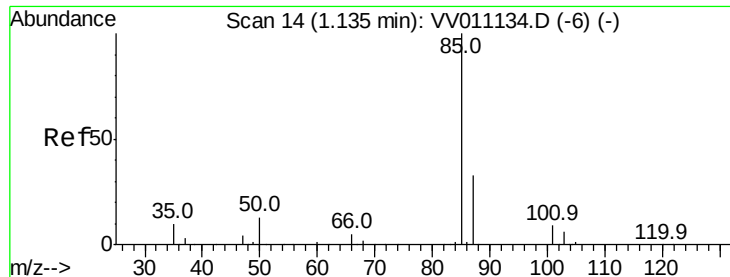
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM053019S.M

Quant Title : VOC Analysis

QLast Update : Thu May 30 13:47:19 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 94.025 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

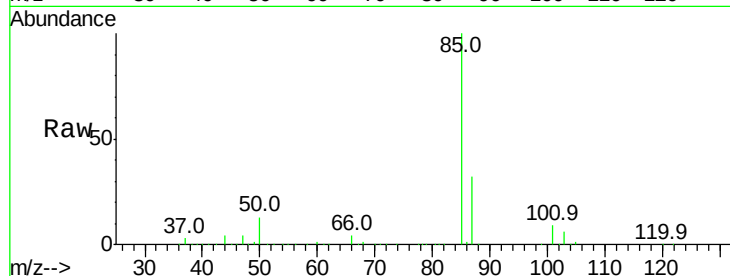
VSTD10071

Tgt Ion: 85 Resp: 551234

Ion Ratio Lower Upper

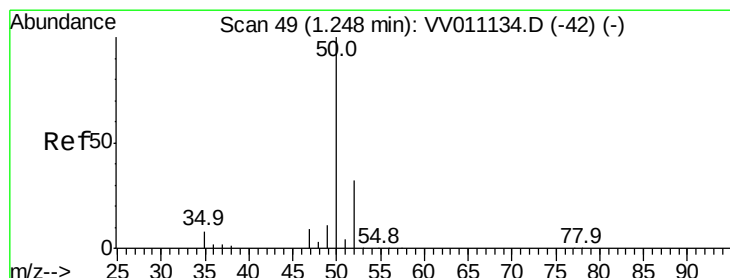
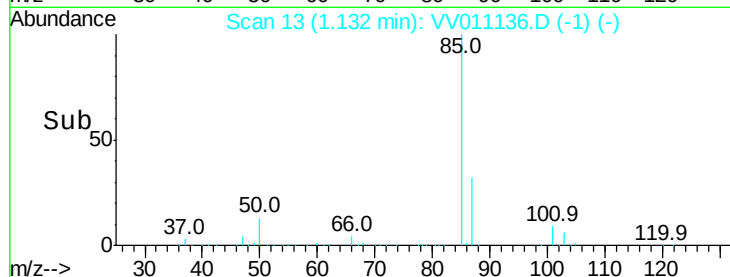
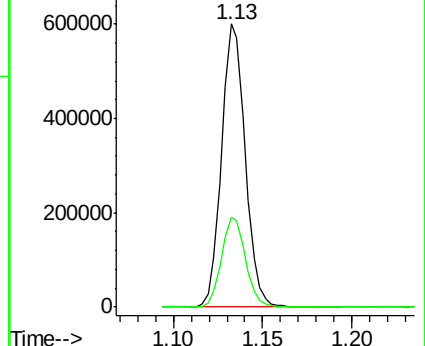
85 100

87 32.3 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: 95.876 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011136.D

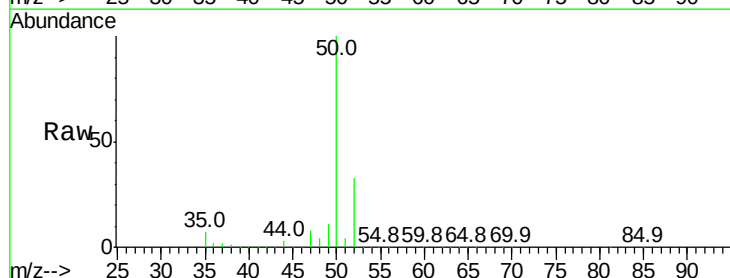
Acq: 30 May 2019 14:22

Tgt Ion: 50 Resp: 554439

Ion Ratio Lower Upper

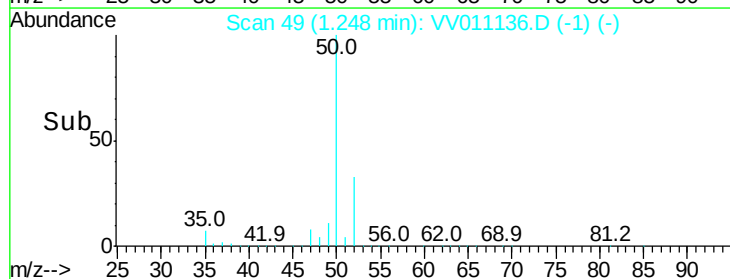
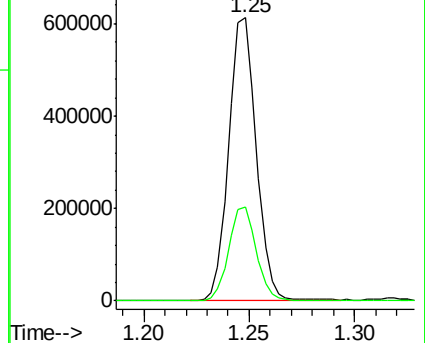
50 100

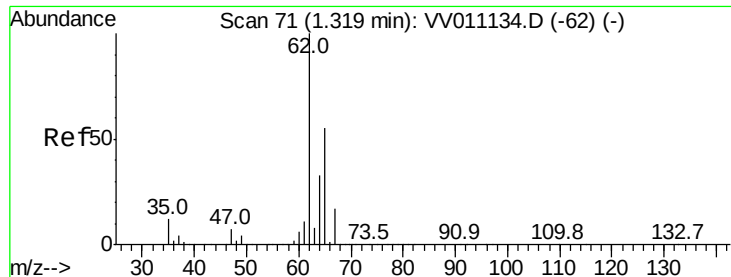
52 33.0 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 99.033 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

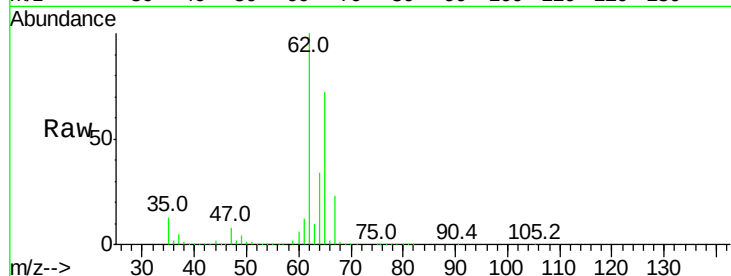
VSTD10071

Tgt Ion: 62 Resp: 528548

Ion Ratio Lower Upper

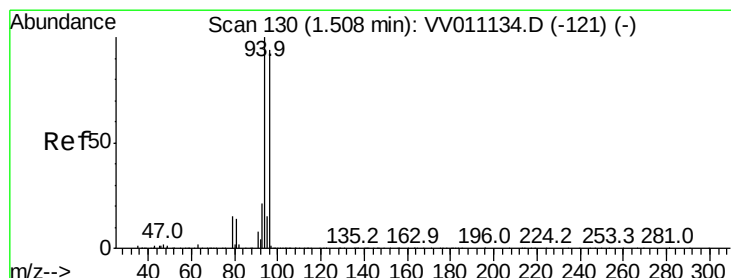
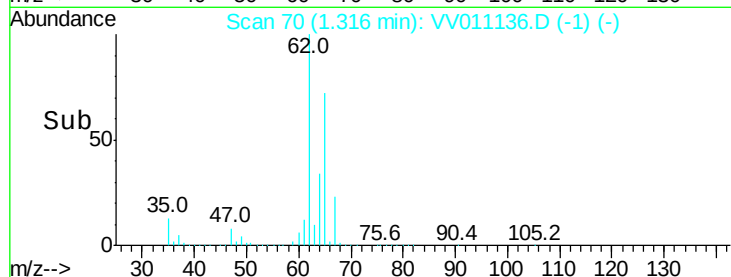
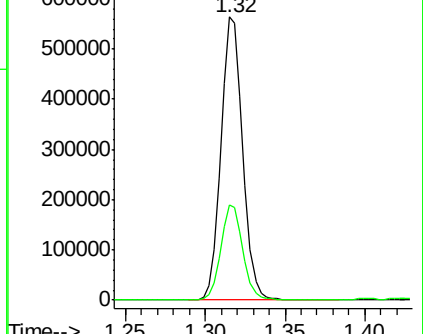
62 100

64 33.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 119.934 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.00 min

Lab File: VV011136.D

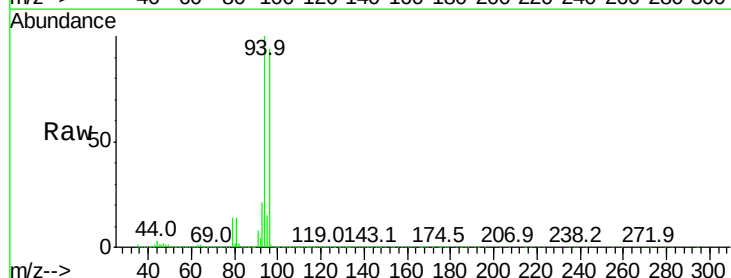
Acq: 30 May 2019 14:22

Tgt Ion: 94 Resp: 275865

Ion Ratio Lower Upper

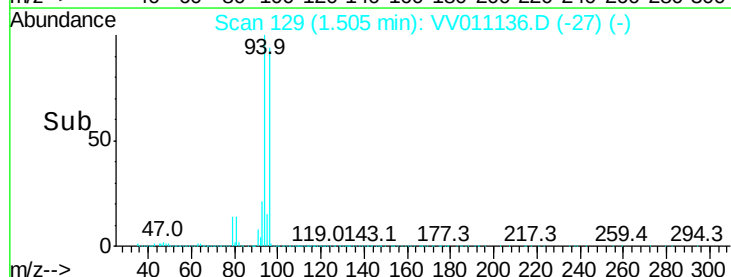
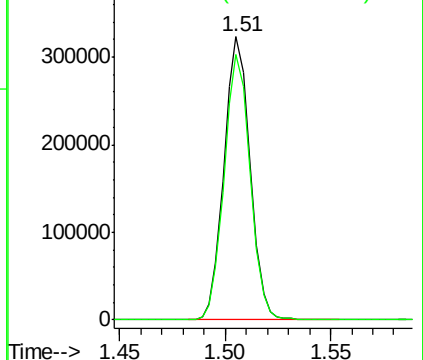
94 100

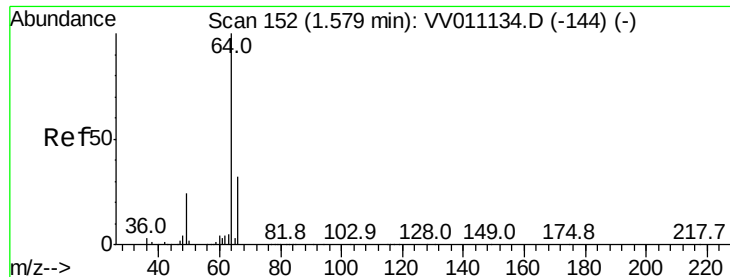
96 93.7 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 107.397 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.01 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

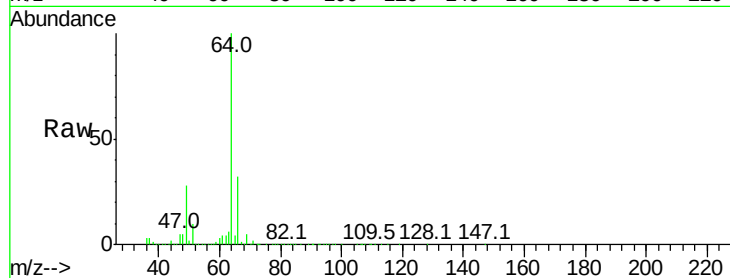
VSTD10071

Tgt Ion: 64 Resp: 310937

Ion Ratio Lower Upper

64 100

66 31.5 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.57

300000

250000

200000

150000

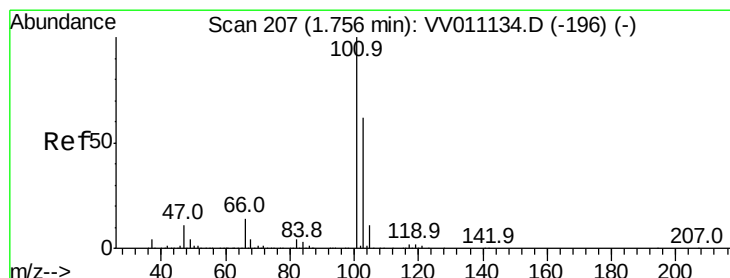
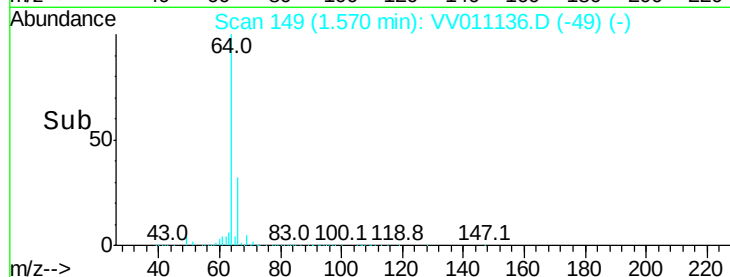
100000

50000

0

1.55 1.60

Time-->



#9

Trichlorofluoromethane

Concen: 104.715 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV011136.D

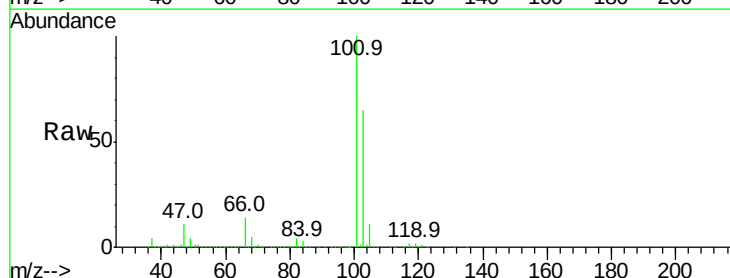
Acq: 30 May 2019 14:22

Tgt Ion: 101 Resp: 748583

Ion Ratio Lower Upper

101 100

103 64.2 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.75

600000

500000

400000

300000

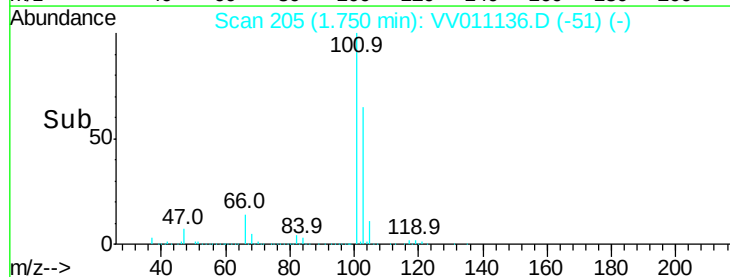
200000

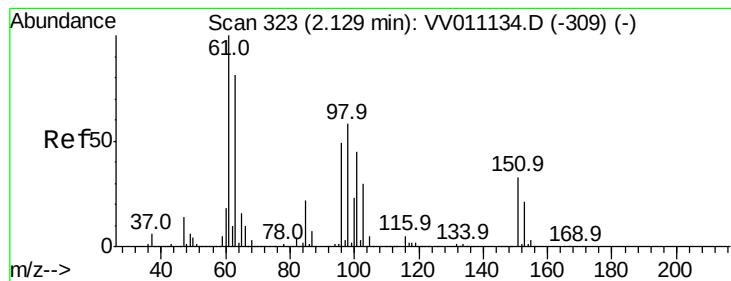
100000

0

1.70 1.80 1.90

Time-->





#11

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

Concen: 101.546 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampled :

VSTD10071

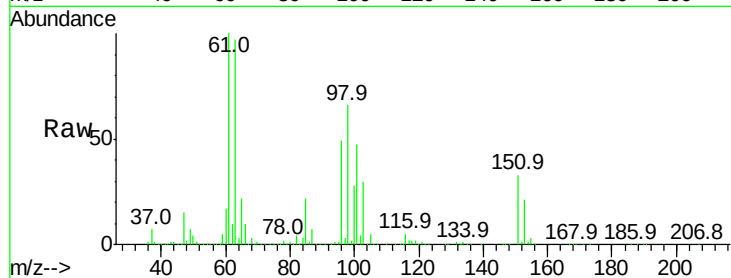
Tgt Ion: 101 Resp: 389551

Ion Ratio Lower Upper

101 100

85 46.0 37.4 56.2

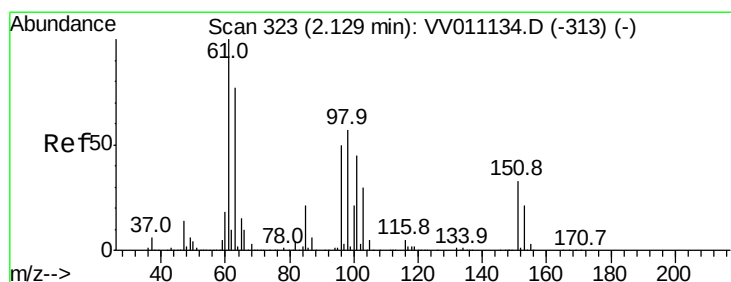
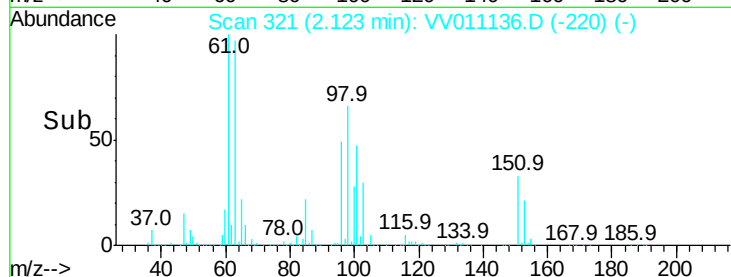
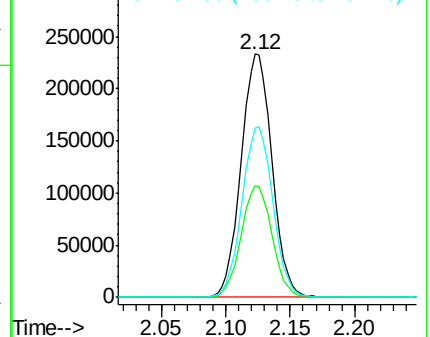
151 70.6 57.1 85.7



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: 101.593 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

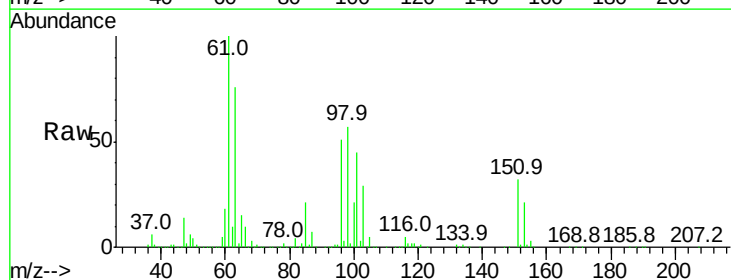
Tgt Ion: 96 Resp: 366711

Ion Ratio Lower Upper

96 100

61 198.0 141.6 263.0

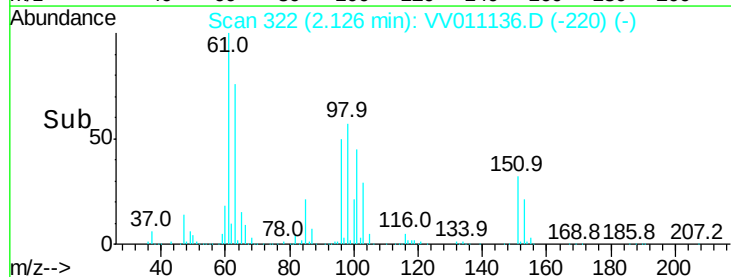
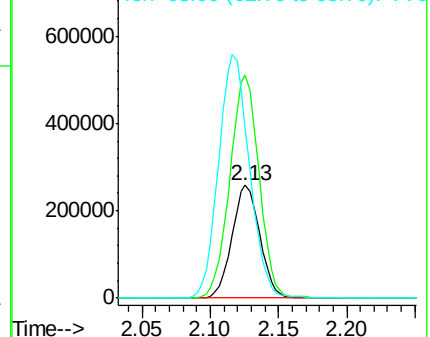
63 151.2 114.4 212.4

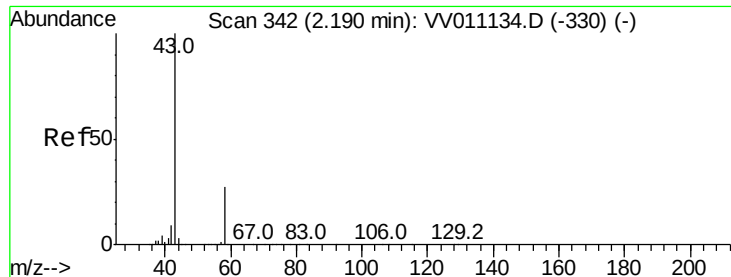


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 207.291 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

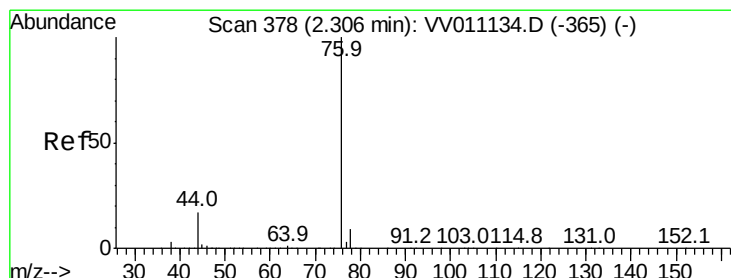
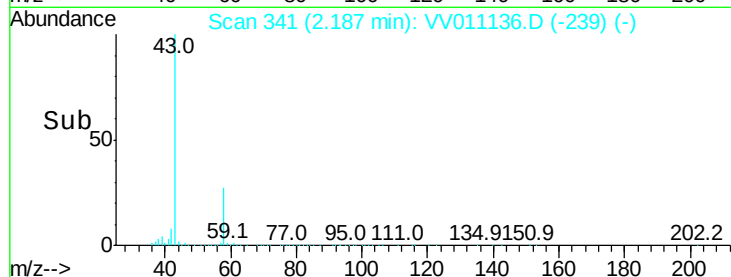
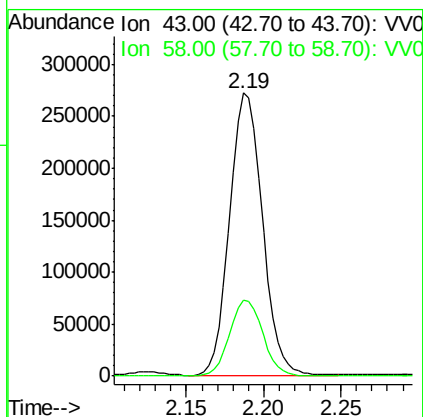
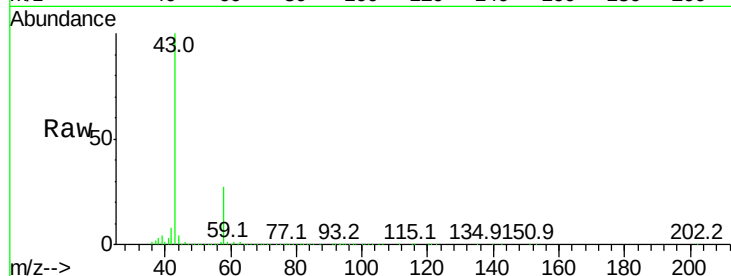
VSTD10071

Tgt Ion: 43 Resp: 398958

Ion Ratio Lower Upper

43 100

58 27.2 0.0 53.8



#14

Carbon disulfide

Concen: 99.090 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV011136.D

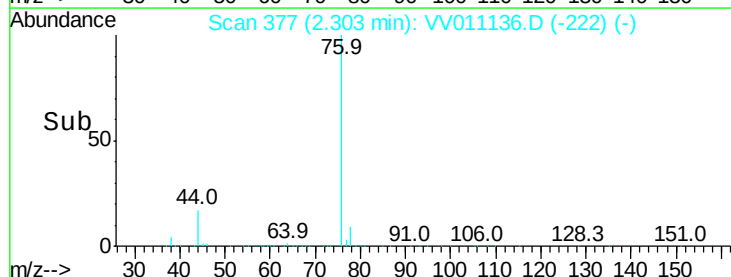
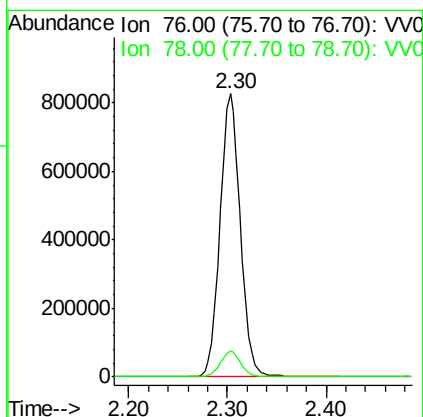
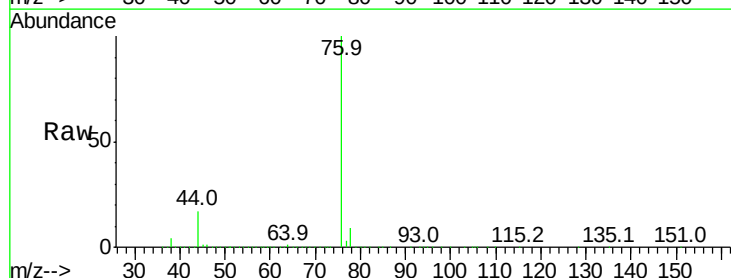
Acq: 30 May 2019 14:22

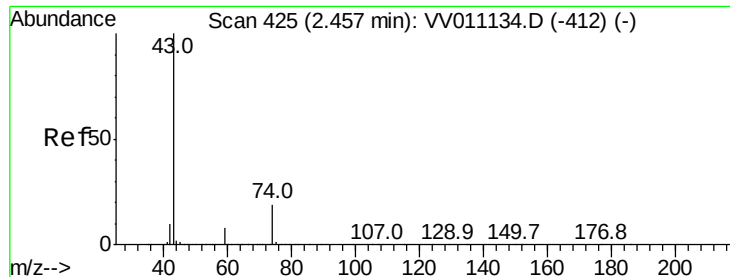
Tgt Ion: 76 Resp: 1196504

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

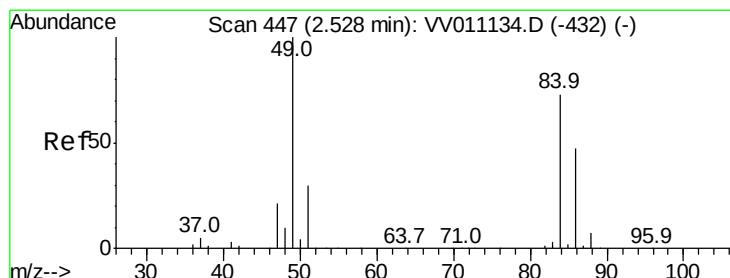
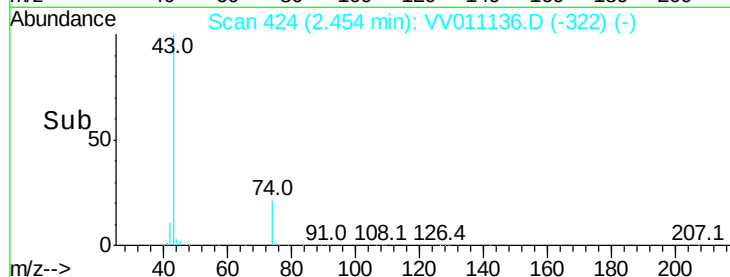
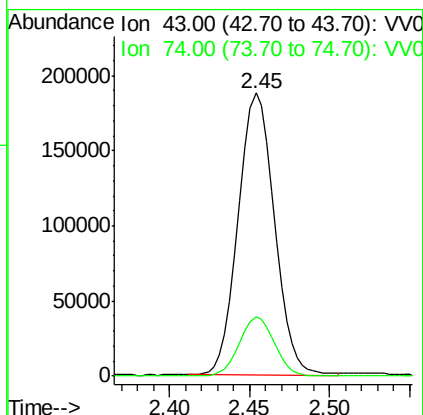
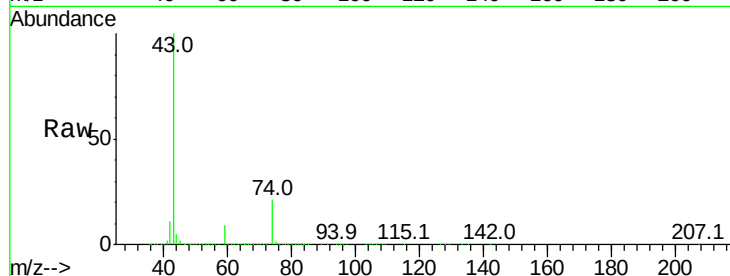




#15
Methyl Acetate
Concen: 104.419 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

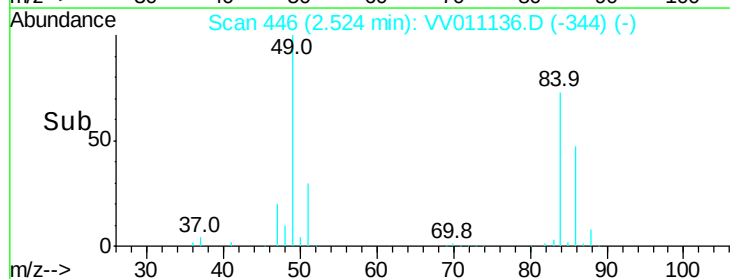
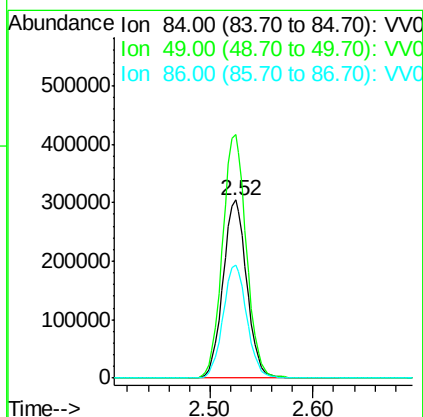
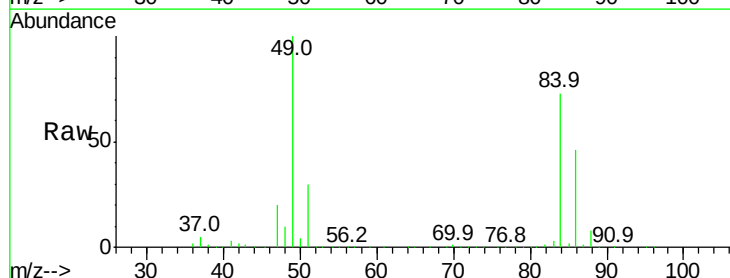
Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

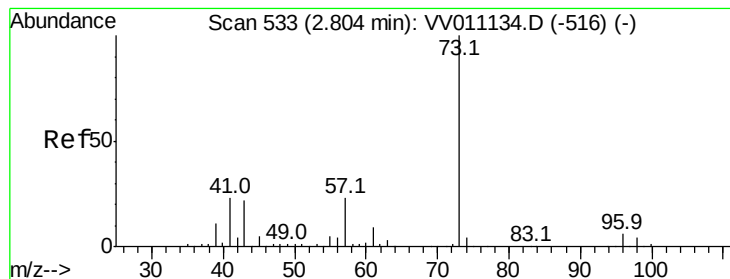
Tgt Ion: 43 Resp: 290076
Ion Ratio Lower Upper
43 100
74 20.2 16.2 24.4



#16
Methylene chloride
Concen: 92.717 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

Tgt Ion: 84 Resp: 487340
Ion Ratio Lower Upper
84 100
49 136.7 96.1 178.5
86 63.5 45.0 83.6





#17

Methyl tert-butyl Ether

Concen: 100.118 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

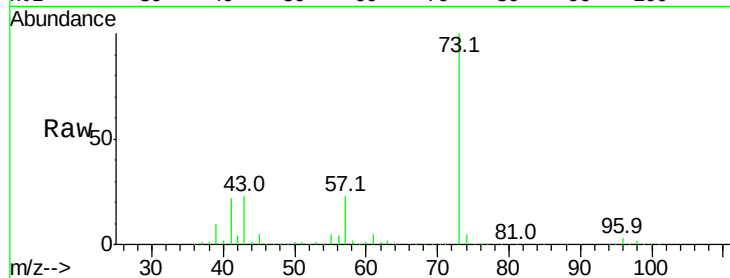
Tgt Ion: 73 Resp: 1353704

Ion	Ratio	Lower	Upper
73	100		
43	22.5	17.5	26.3
57	22.9	18.2	27.4

73 100

43 22.5 17.5 26.3

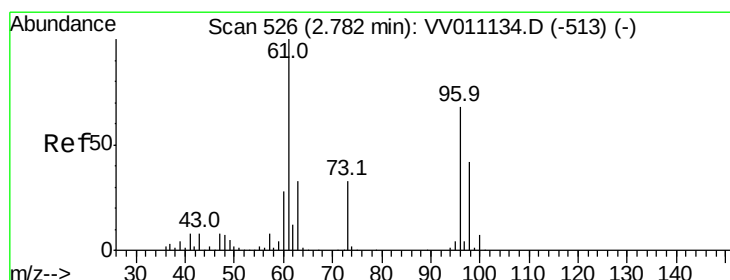
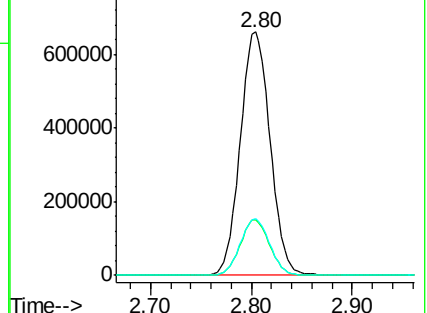
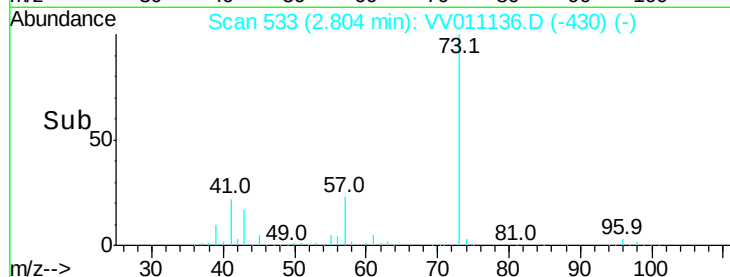
57 22.9 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 91.546 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

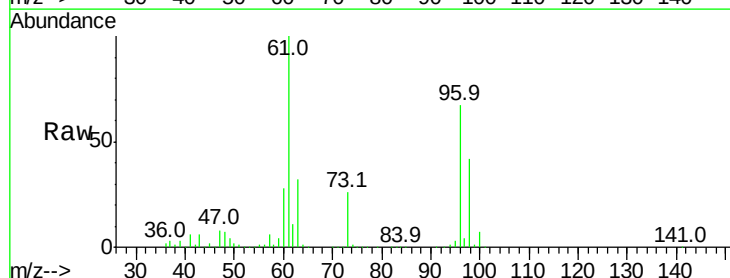
Tgt Ion: 96 Resp: 452017

Ion	Ratio	Lower	Upper
96	100		
61	149.5	102.6	190.5
98	62.9	43.3	80.3

96 100

61 149.5 102.6 190.5

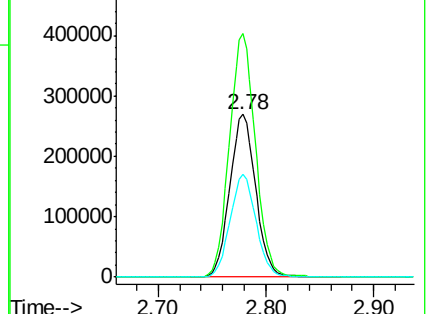
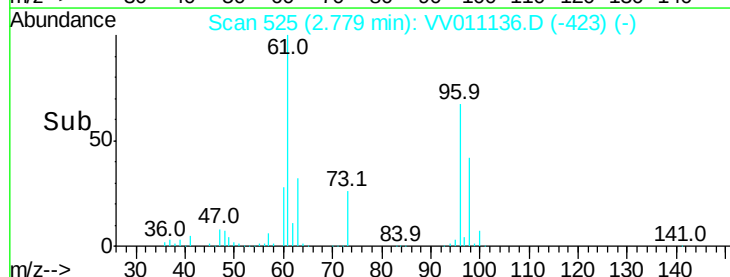
98 62.9 43.3 80.3

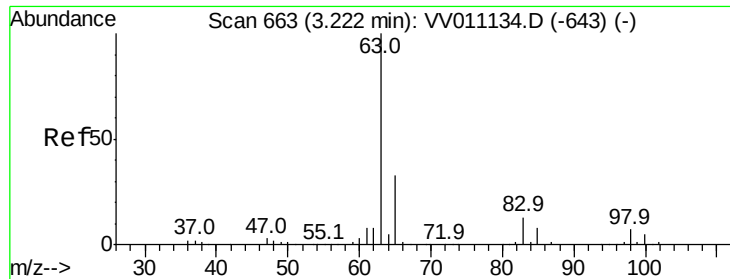


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

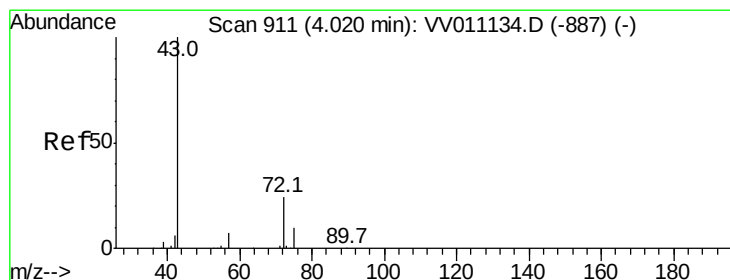
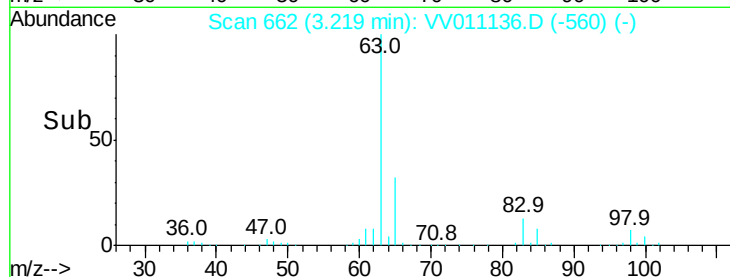
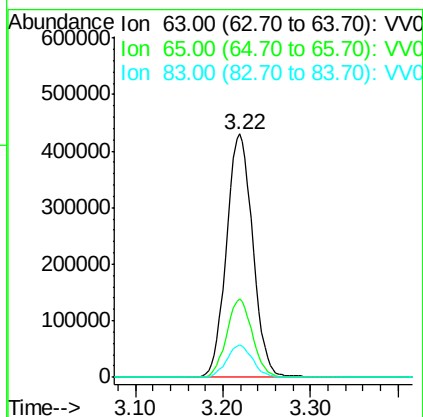
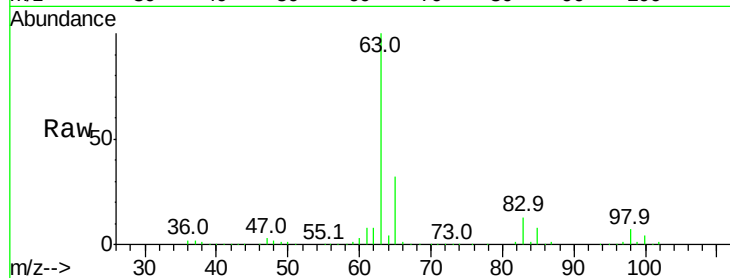




#19
 1,1-Dichloroethane
 Concen: 93.250 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

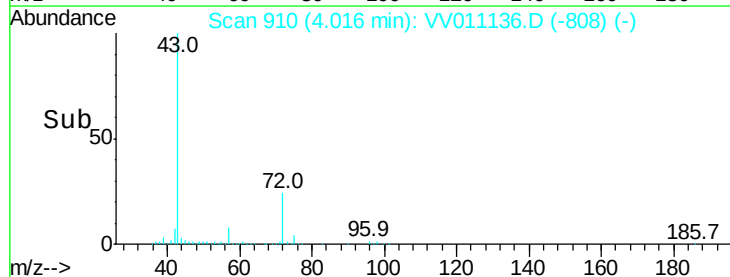
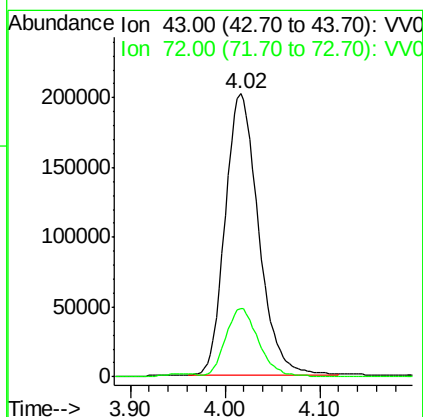
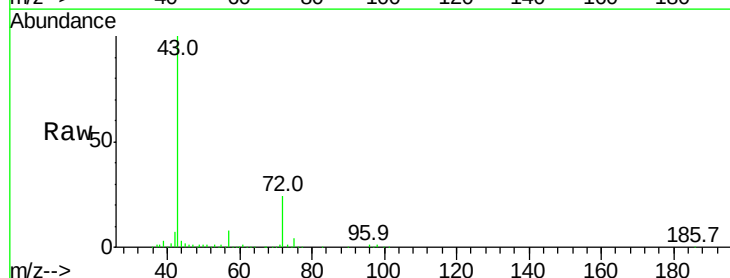
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10071

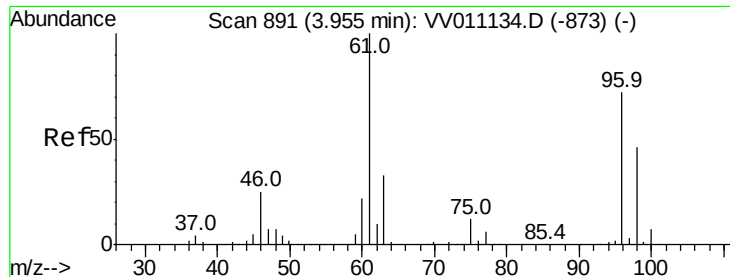
Tgt Ion: 63 Resp: 895138
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.3
 83 13.1 9.2 17.0



#21
 2-Butanone
 Concen: 208.381 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

Tgt Ion: 43 Resp: 493905
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.1 33.3

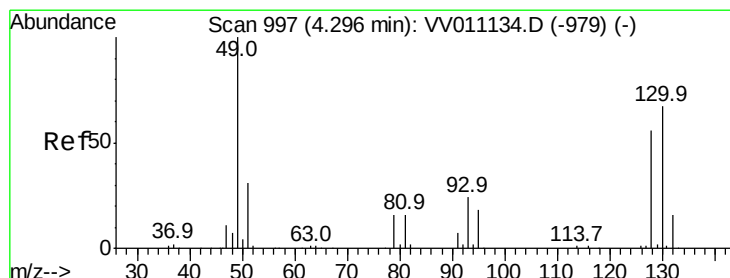
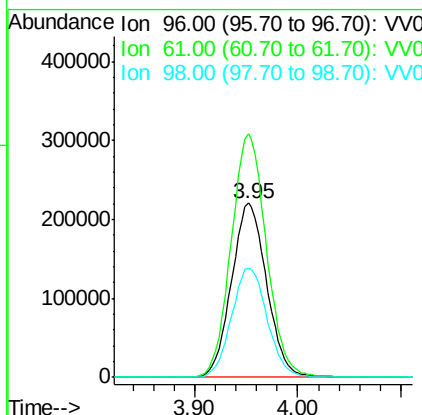
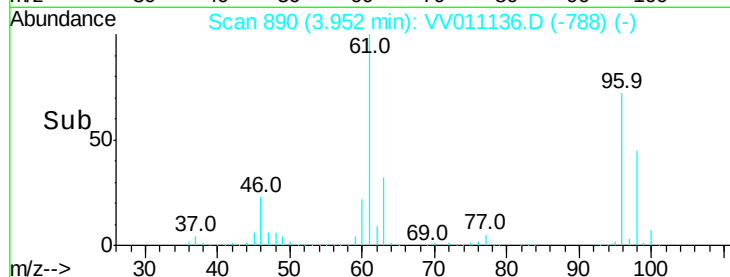
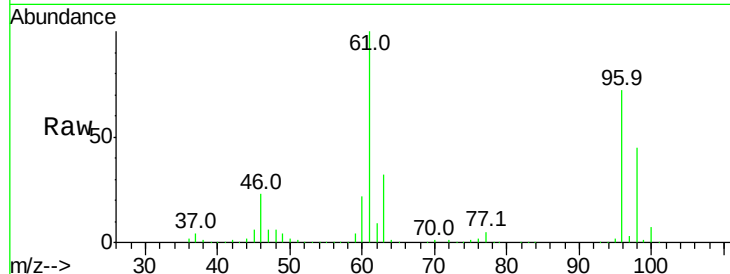




#22
 cis-1,2-Dichloroethene
 Concen: 94.164 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

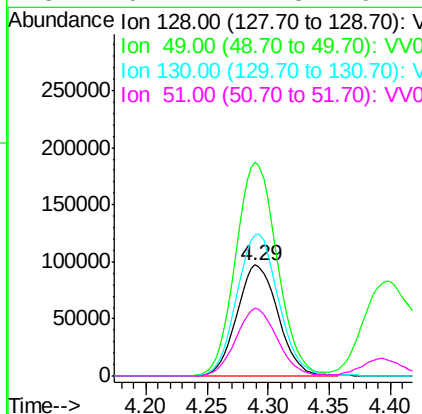
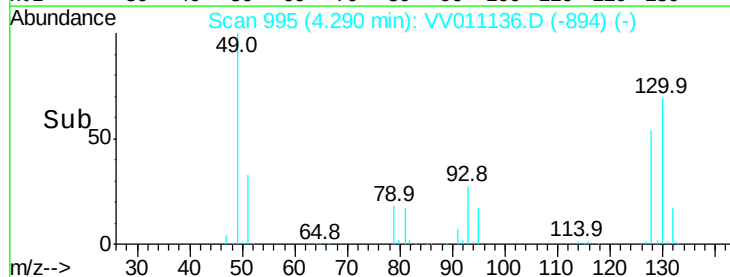
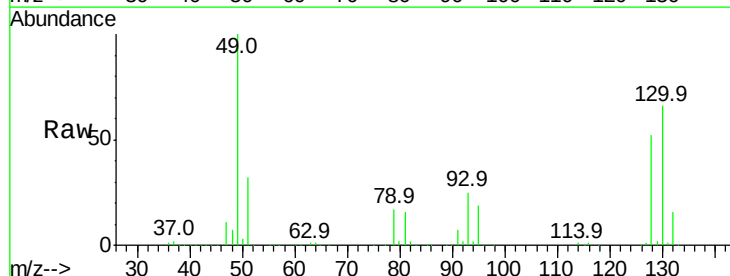
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10071

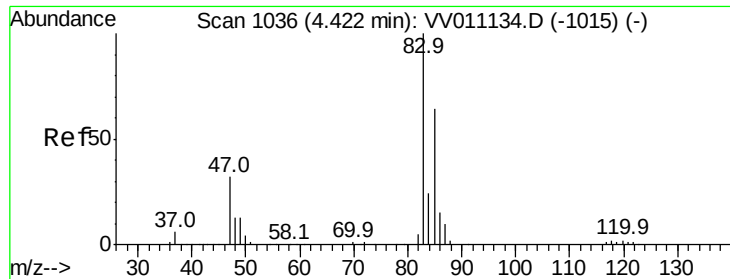
Tgt Ion: 96 Resp: 523694
 Ion Ratio Lower Upper
 96 100
 61 139.7 97.4 181.0
 98 62.7 45.0 83.6



#23
 Bromochloromethane
 Concen: 96.634 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

Tgt Ion: 128 Resp: 227653
 Ion Ratio Lower Upper
 128 100
 49 192.7 125.4 233.0
 130 127.5 83.3 154.7
 51 61.2 44.8 67.2

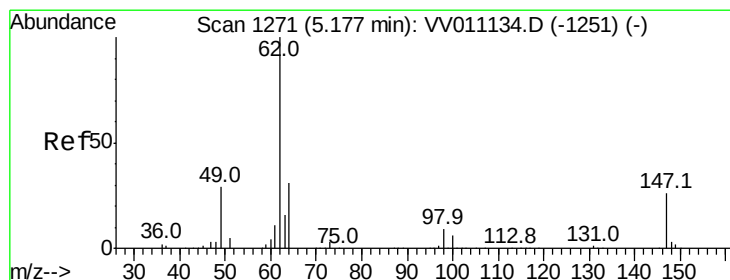
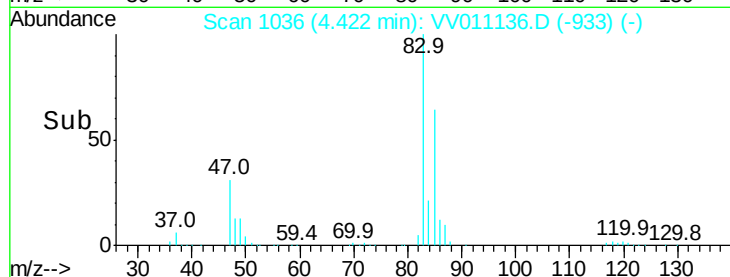
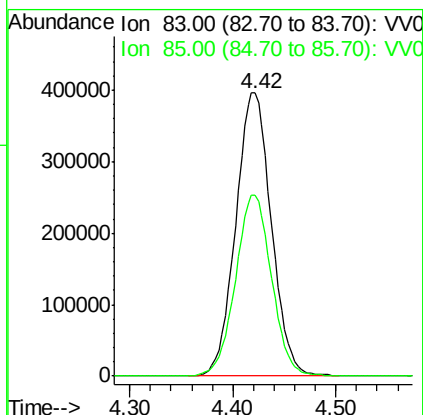
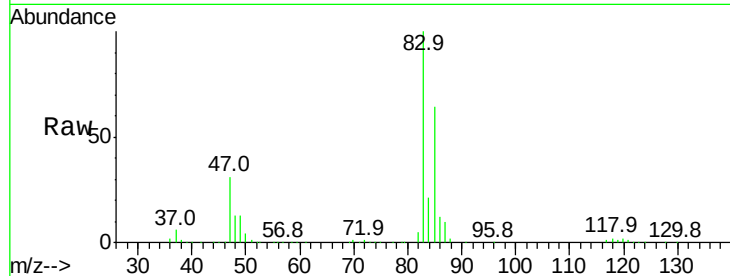




#25
Chloroform
Concen: 93.827 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

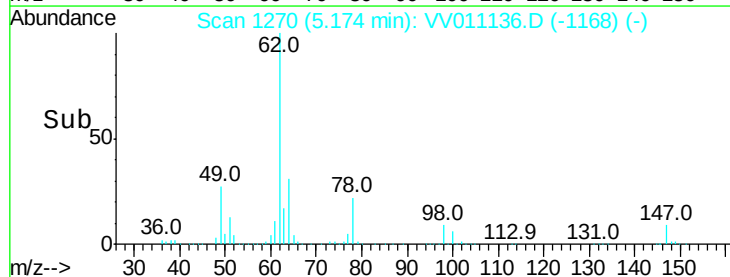
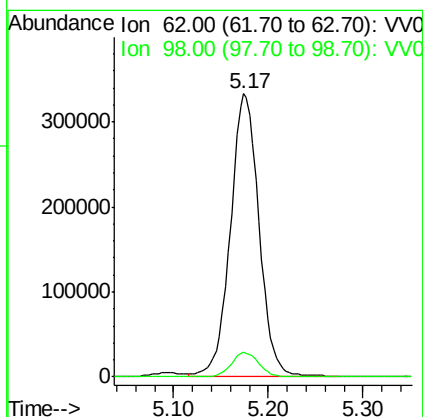
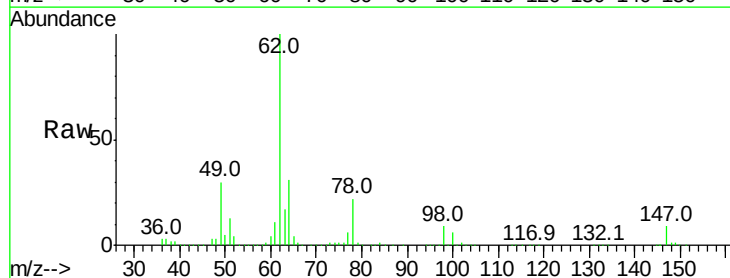
Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

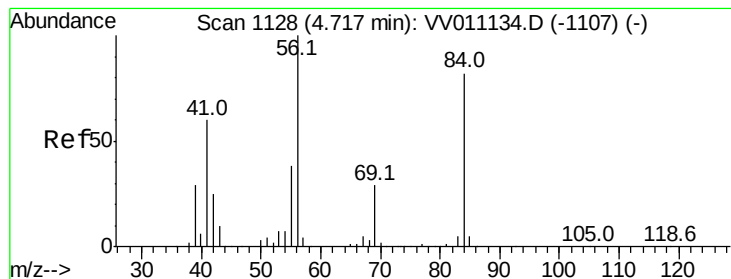
Tgt Ion: 83 Resp: 951111
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.6



#27
1,2-Dichloroethane
Concen: 105.423 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

Tgt Ion: 62 Resp: 696268
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0





#30

Cyclohexane

Concen: 83.266 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

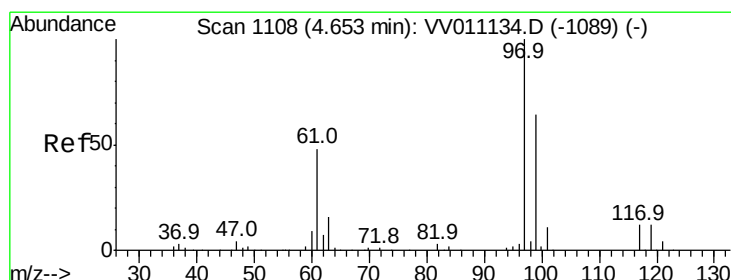
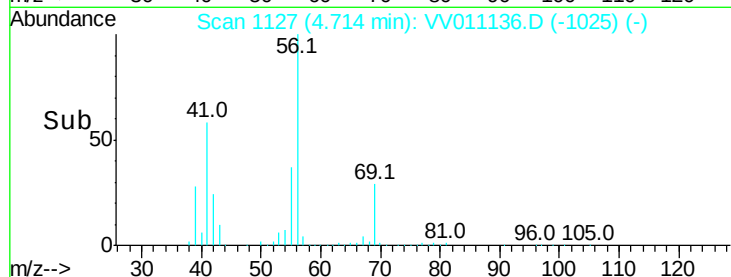
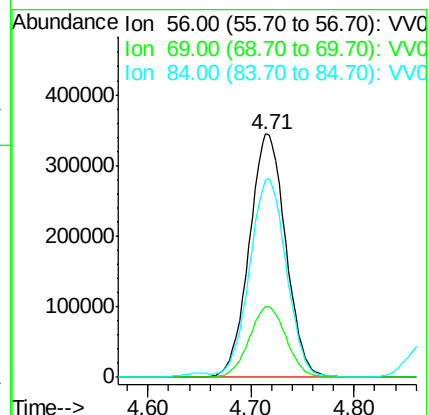
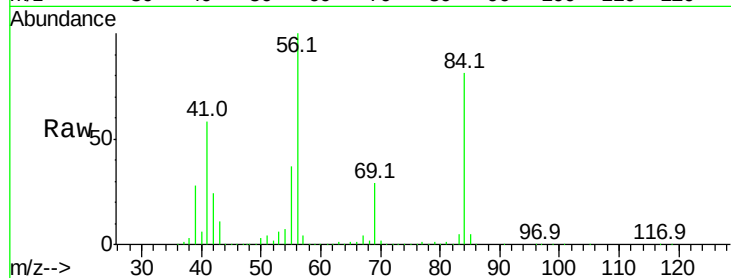
Tgt Ion: 56 Resp: 844622

Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.0

84 82.4 65.8 98.8



#31

1,1,1-Trichloroethane

Concen: 94.585 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

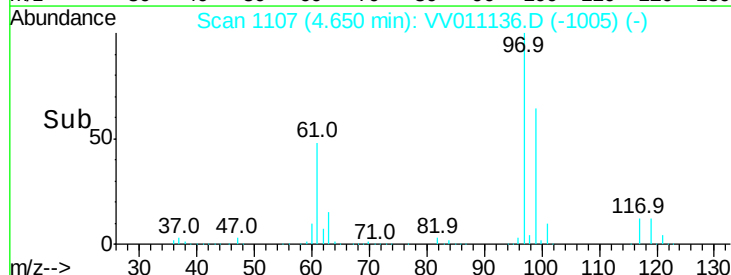
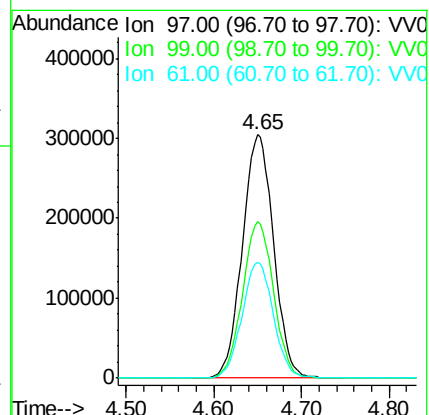
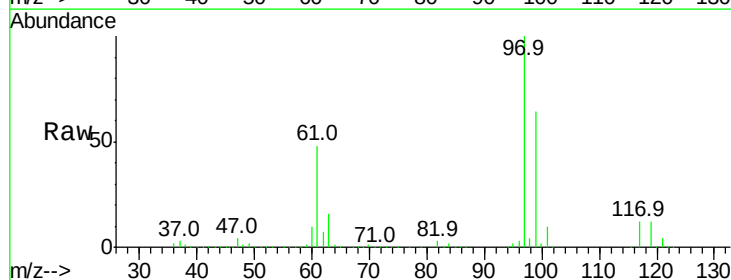
Tgt Ion: 97 Resp: 754176

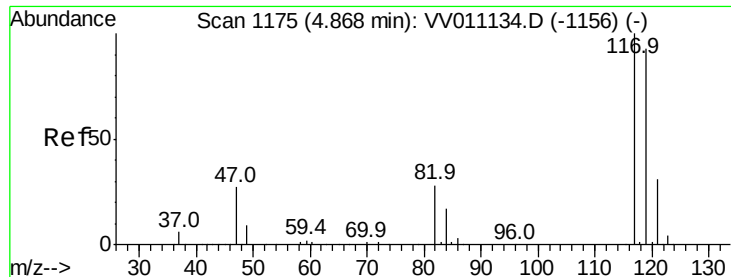
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 47.7 38.4 57.6



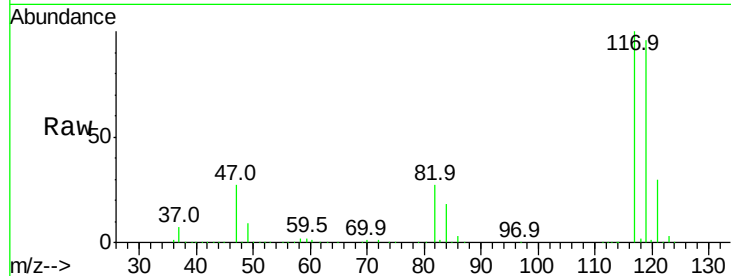


#32

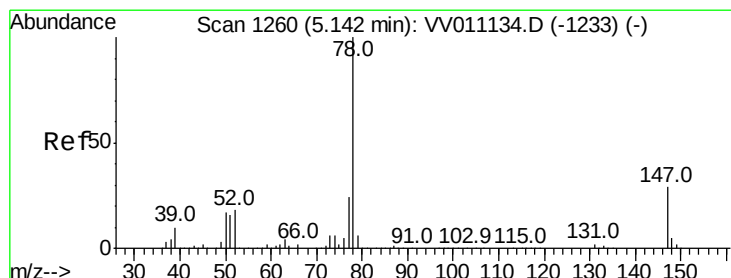
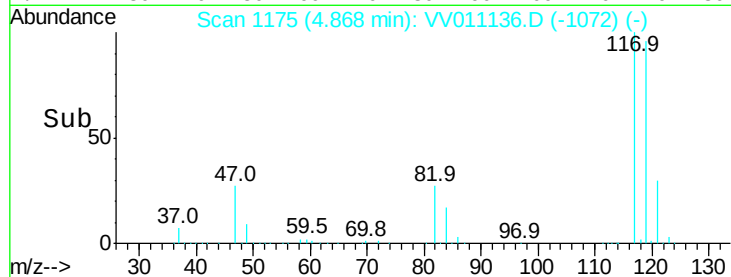
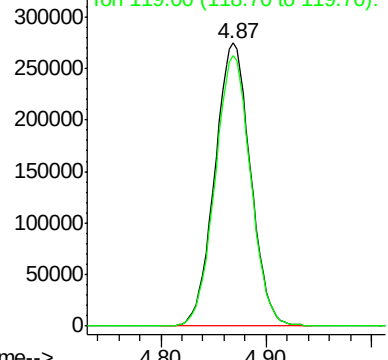
Carbon tetrachloride
Concen: 94.663 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

Tgt Ion:117 Resp: 646458
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



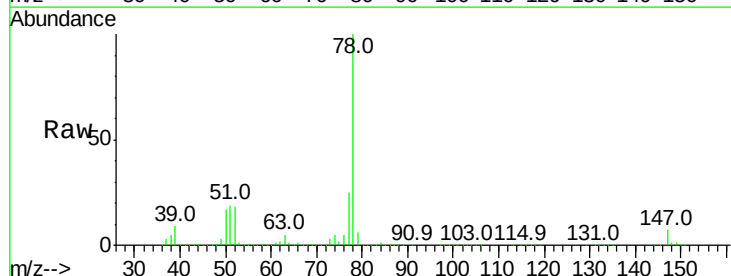
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



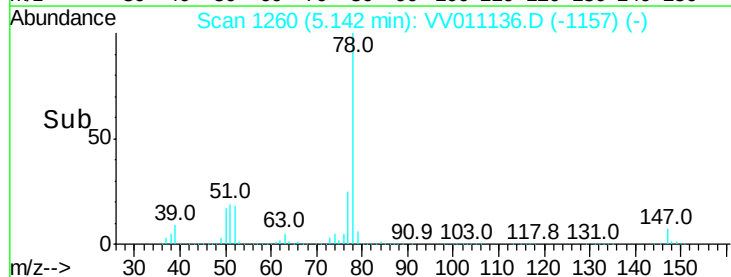
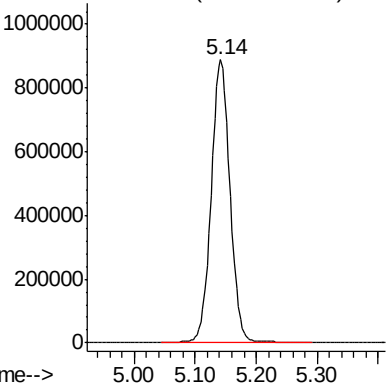
#34

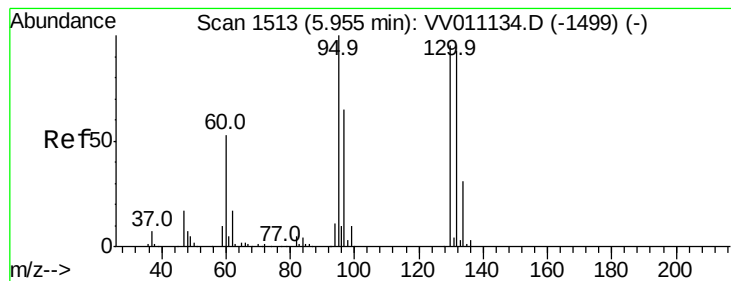
Benzene
Concen: 90.664 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

Tgt Ion: 78 Resp: 1919964



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 91.853 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

Tgt Ion: 95 Resp: 508015

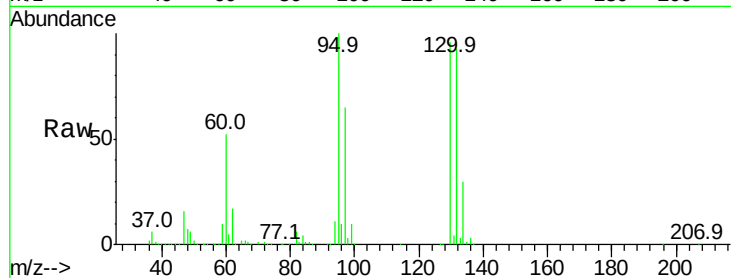
Ion Ratio Lower Upper

95 100

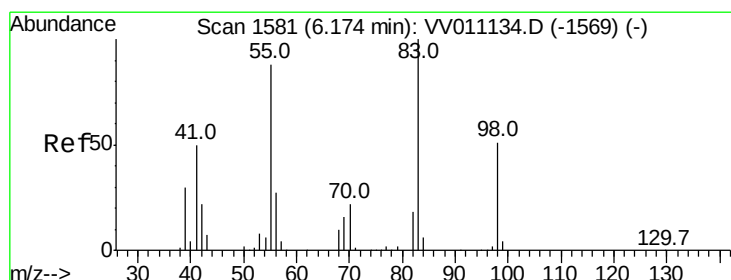
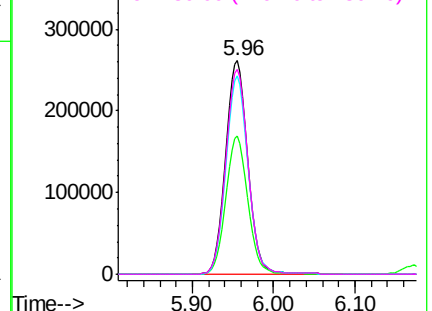
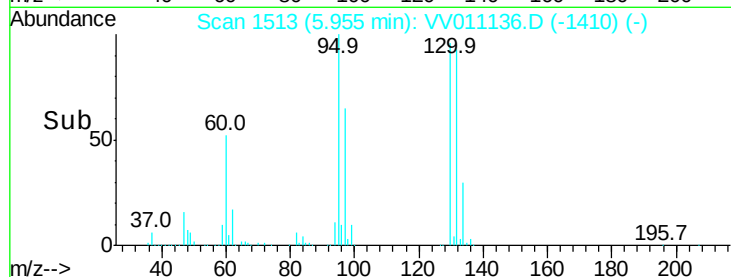
97 64.4 44.4 82.5

132 92.1 66.0 122.6

130 96.2 67.4 125.2



Abundance Ion 95.00 (94.70 to 95.70): VV011136.D (-1410) (-)



#36

Methylcyclohexane

Concen: 87.728 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

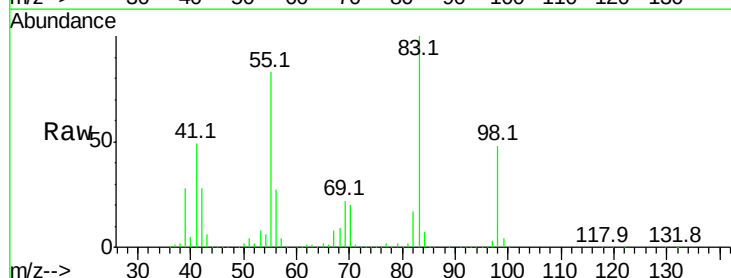
Tgt Ion: 83 Resp: 837209

Ion Ratio Lower Upper

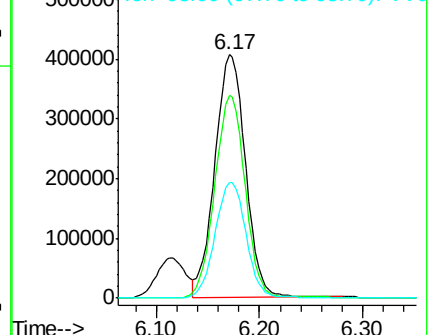
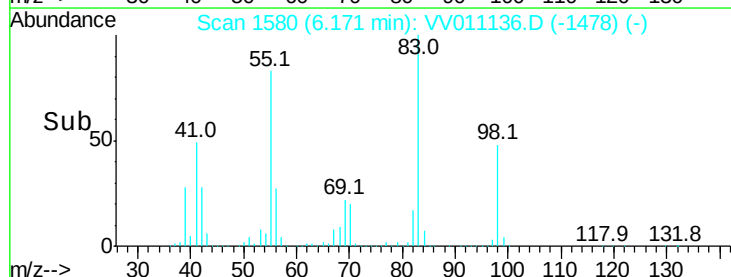
83 100

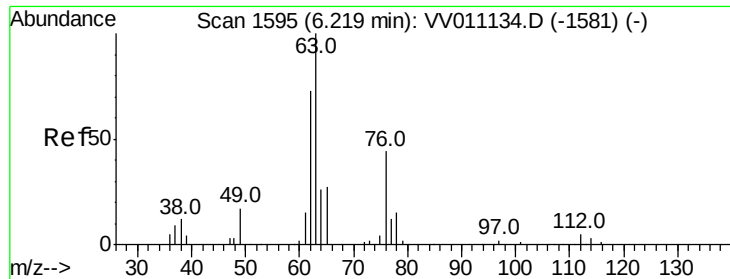
55 83.1 66.4 99.6

98 47.8 37.9 56.9



Abundance Ion 83.00 (82.70 to 83.70): VV011136.D (-1478) (-)





#40

1,2-Dichloropropane

Concen: 93.385 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

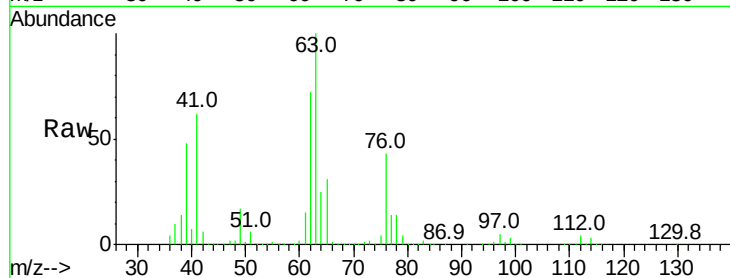
VSTD10071

Tgt Ion: 63 Resp: 527022

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

300000

250000

200000

150000

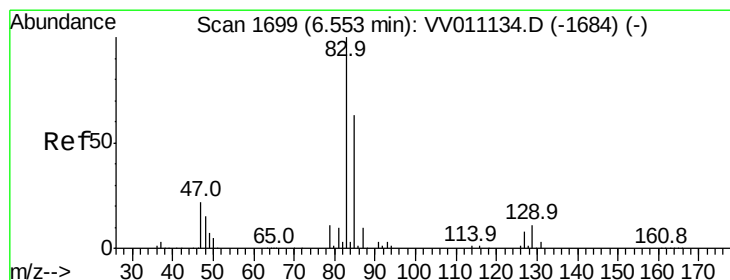
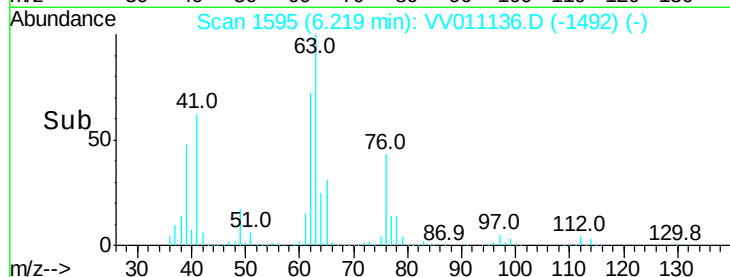
100000

50000

0

6.10 6.20 6.30

Time-->



#41

Bromodichloromethane

Concen: 98.923 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

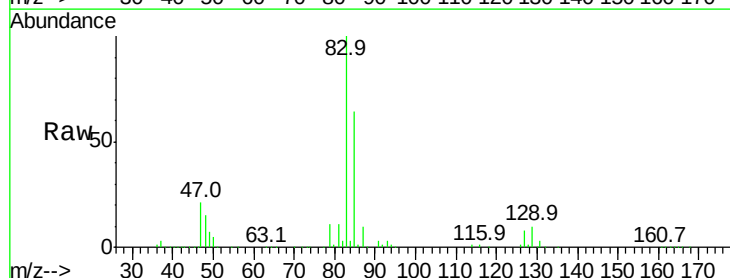
Tgt Ion: 83 Resp: 707756

Ion Ratio Lower Upper

83 100

85 63.9 44.1 81.9

127 7.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

500000

400000

300000

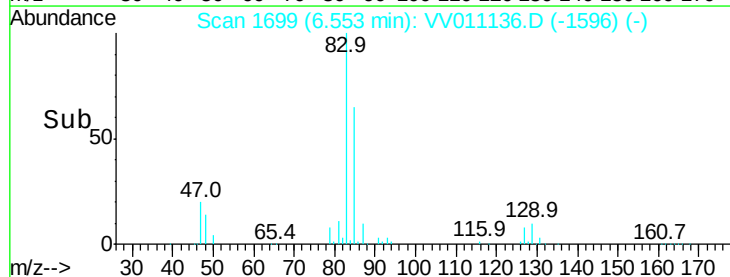
200000

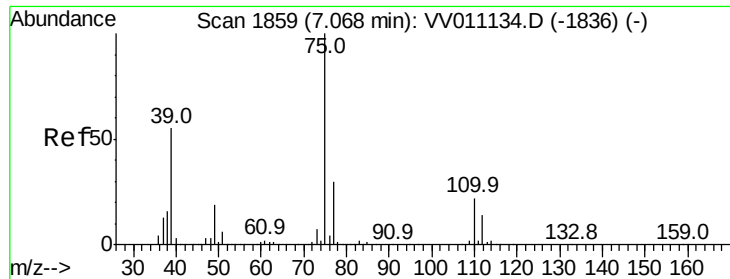
100000

0

6.50 6.60

Time-->





#42

cis-1,3-Dichloropropene

Concen: 98.369 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampled :

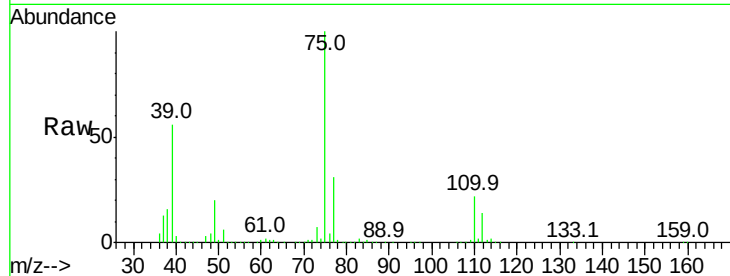
VSTD10071

Tgt Ion: 75 Resp: 886976

Ion Ratio Lower Upper

75 100

77 31.4 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

600000

500000

400000

300000

200000

100000

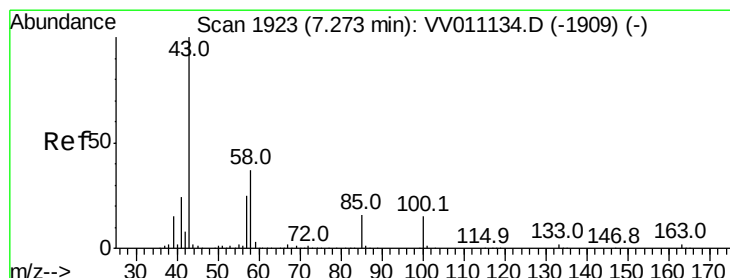
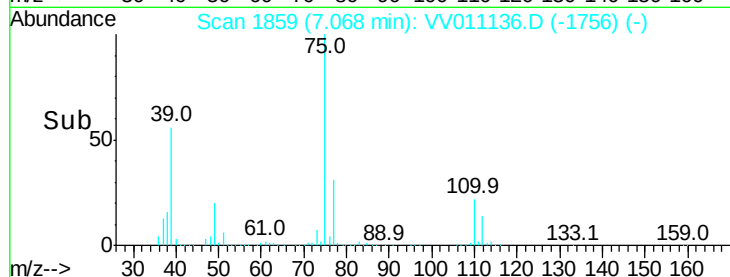
0

7.07

7.10

7.20

Time-->



#43

4-Methyl-2-pentanone

Concen: 197.161 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

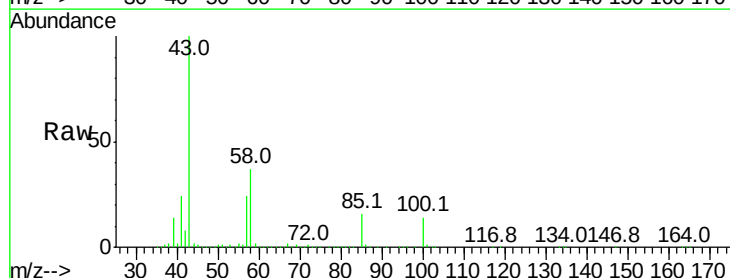
Tgt Ion: 43 Resp: 975822

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.4

100 13.9 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

800000

600000

400000

200000

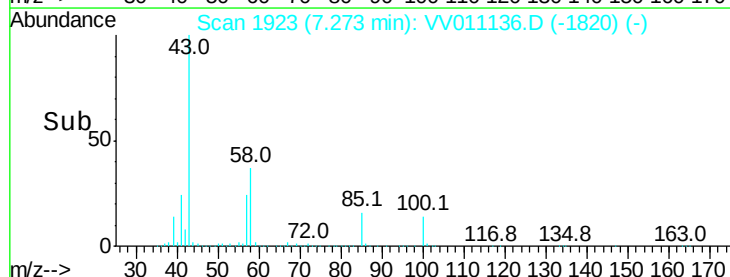
0

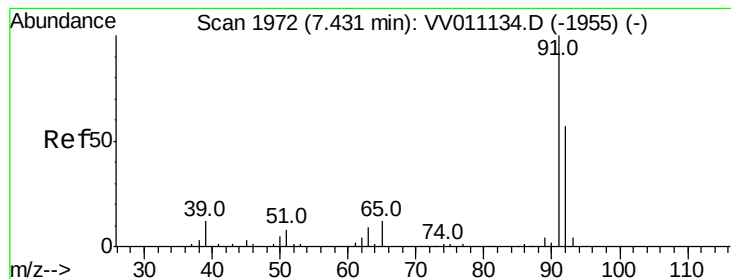
7.27

7.30

7.35

Time-->





#44

Toluene

Concen: 91.594 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

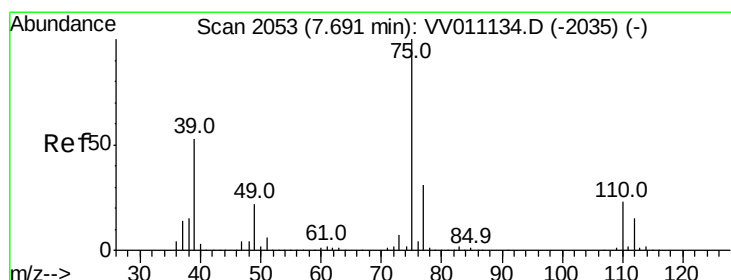
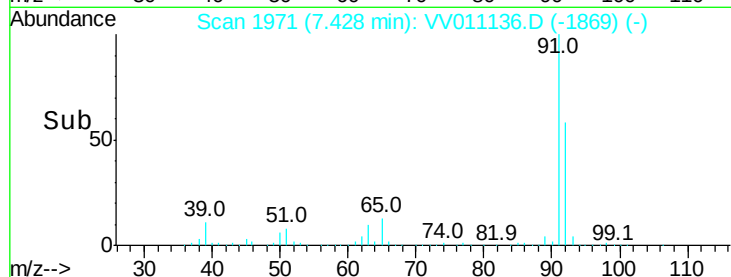
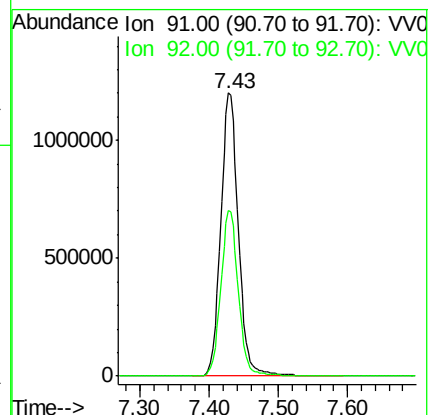
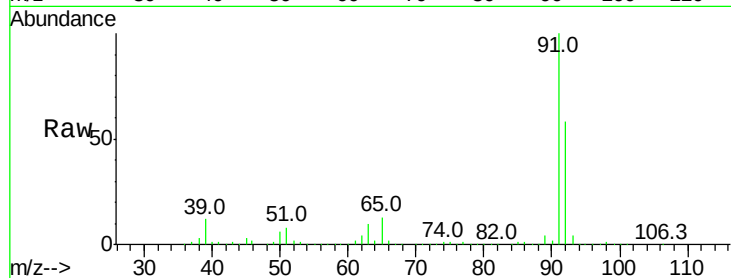
VSTD10071

Tgt Ion: 91 Resp: 2108909

Ion Ratio Lower Upper

91 100

92 58.5 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 100.792 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011136.D

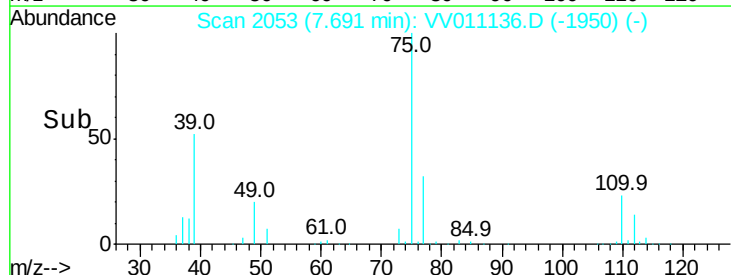
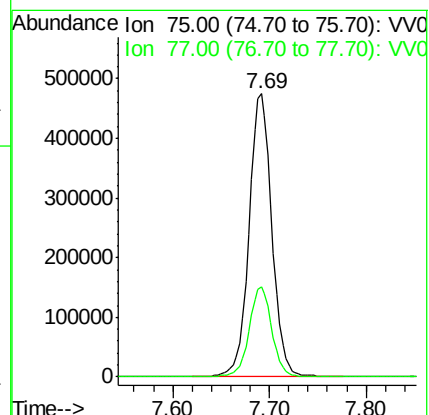
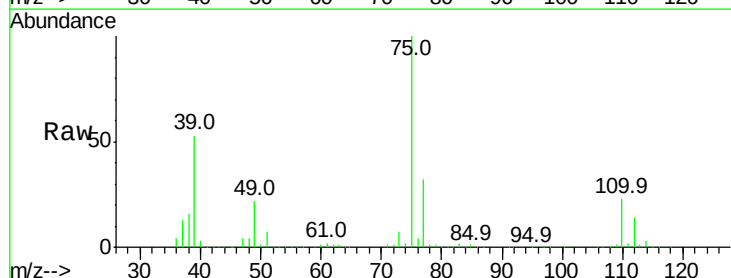
Acq: 30 May 2019 14:22

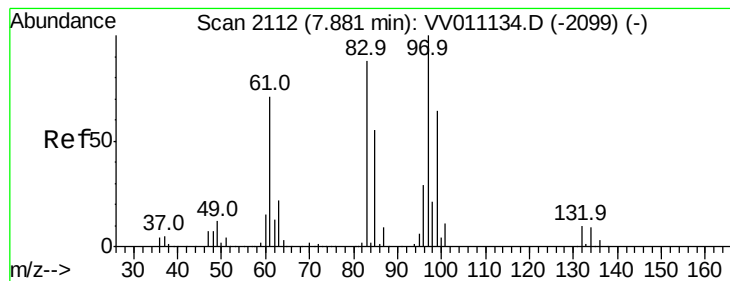
Tgt Ion: 75 Resp: 775505

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 98.428 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

Tgt Ion: 97 Resp: 411694

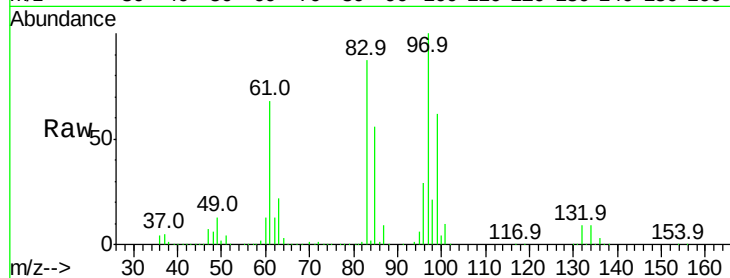
Ion Ratio Lower Upper

97 100

83 87.0 61.9 115.1

85 56.1 38.6 71.8

99 62.4 44.7 82.9

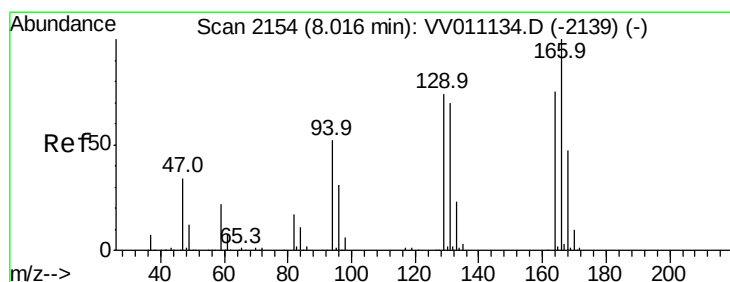
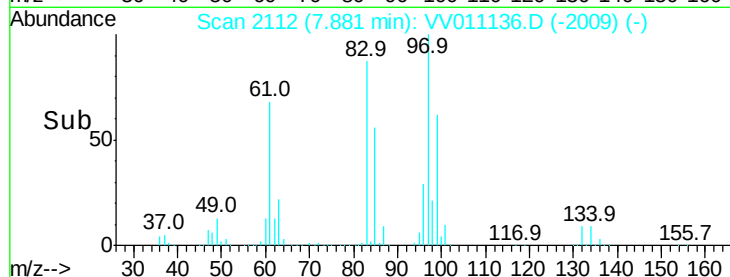
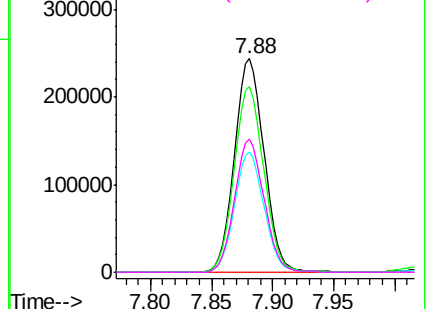


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 91.479 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Tgt Ion: 164 Resp: 364888

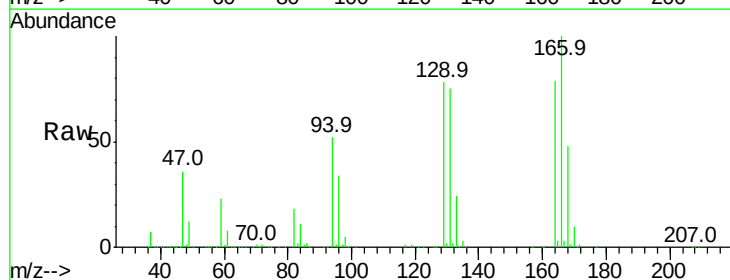
Ion Ratio Lower Upper

164 100

129 98.7 69.1 128.3

131 95.6 65.5 121.6

166 127.3 93.2 173.0

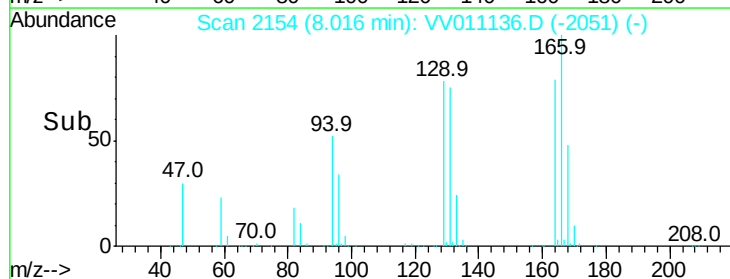
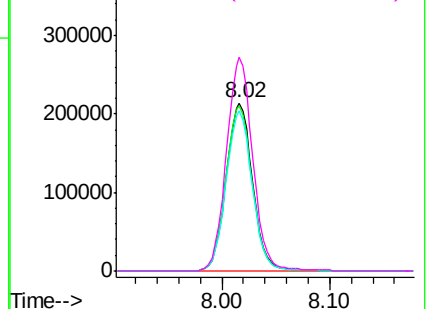


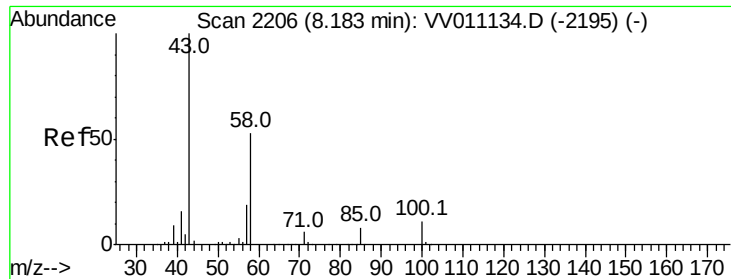
Abundance Ion 164.00 (163.70 to 164.70): V

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

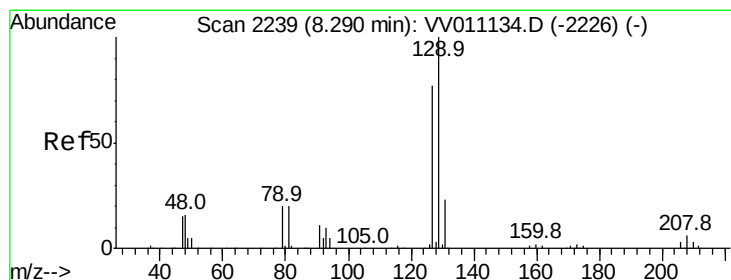
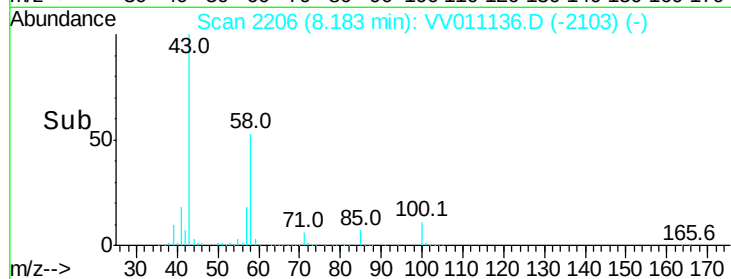
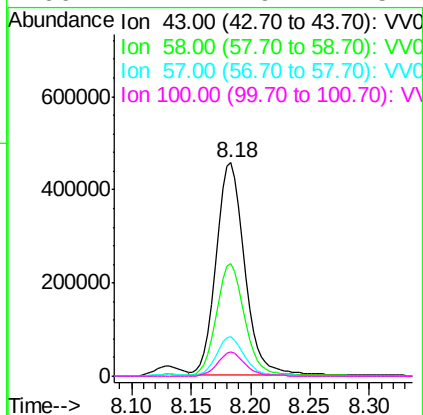
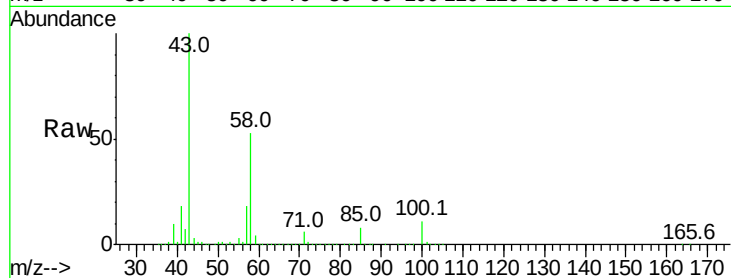




#49
2-Hexanone
Concen: 208.078 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

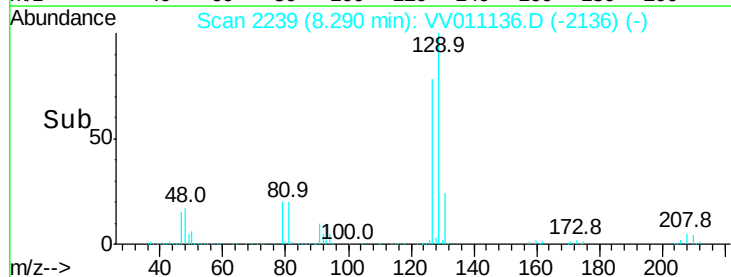
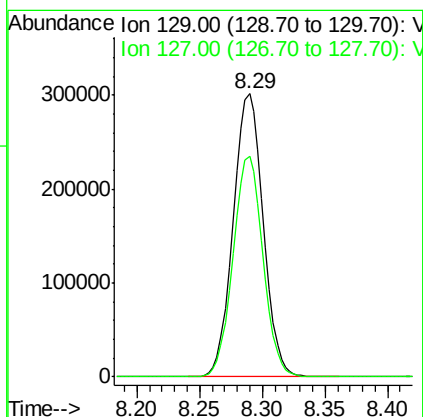
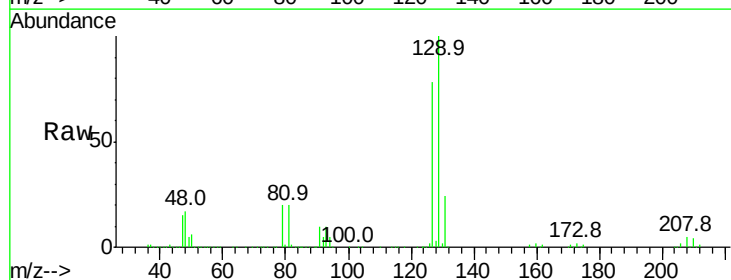
Instrument :
MSVOA_V
ClientSampleId :
VSTD10071

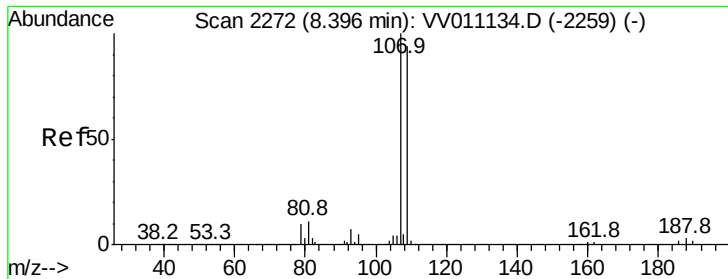
Tgt Ion:	43	Resp:	759502
Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.2	61.8
57	17.8	14.3	21.5
100	11.2	9.1	13.7



#50
Dibromochloromethane
Concen: 103.545 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011136.D
Acq: 30 May 2019 14:22

Tgt Ion:	129	Resp:	501800
Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.8	99.8





#51

1,2-Dibromoethane

Concen: 102.478 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

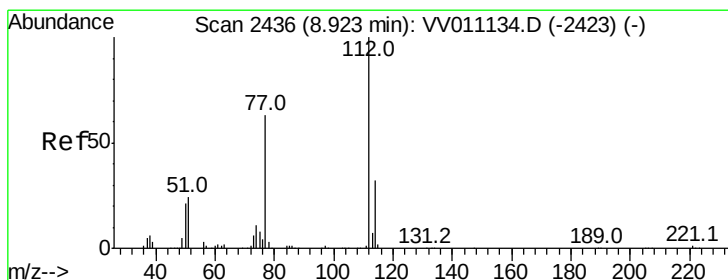
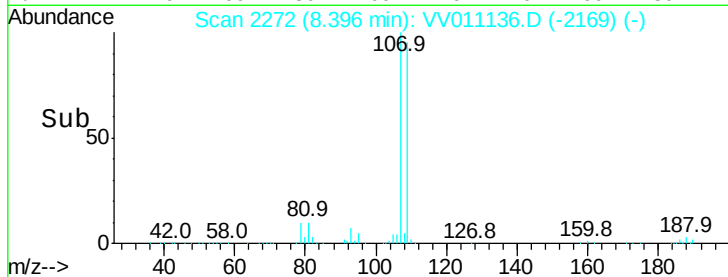
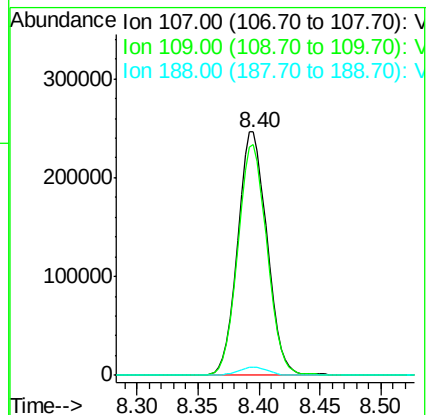
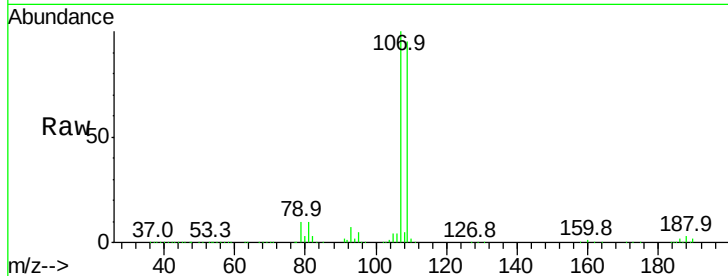
Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

Tgt Ion:	107	Resp:	410177
Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.5	121.7
188	3.3	2.6	3.8



#52

Chlorobenzene

Concen: 95.970 ug/L

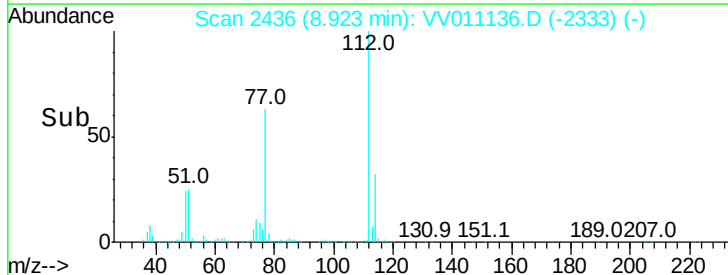
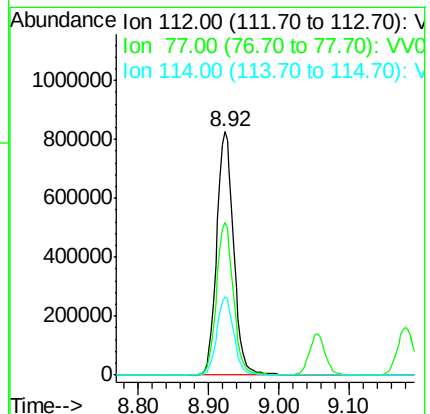
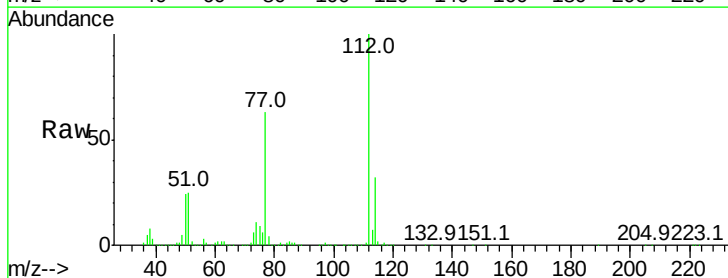
RT: 8.92 min Scan# 2436

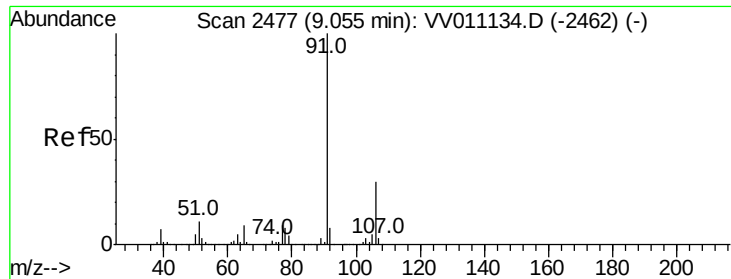
Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Tgt Ion:	112	Resp:	1369393
Ion	Ratio	Lower	Upper
112	100		
77	63.0	50.8	76.2
114	32.2	22.6	42.0





#53

Ethylbenzene

Concen: 92.879 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

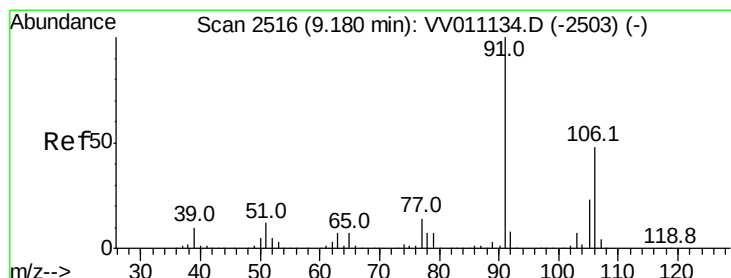
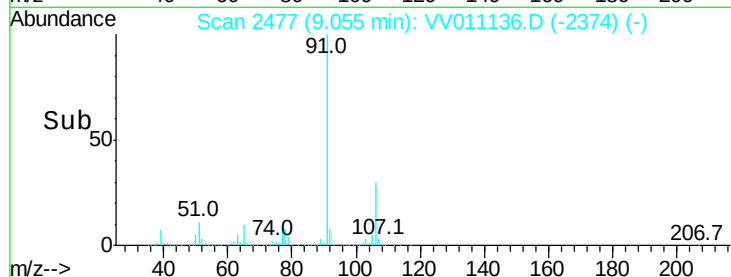
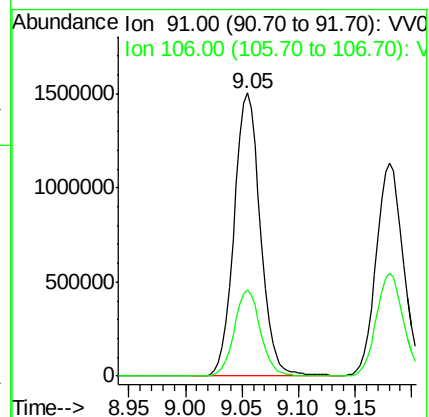
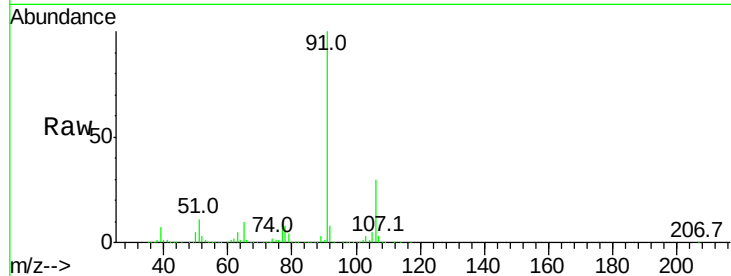
VSTD10071

Tgt Ion: 91 Resp: 2437943

Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



#54

m,p-Xylene

Concen: 92.434 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011136.D

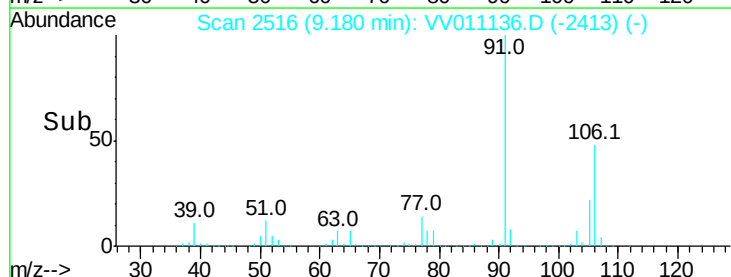
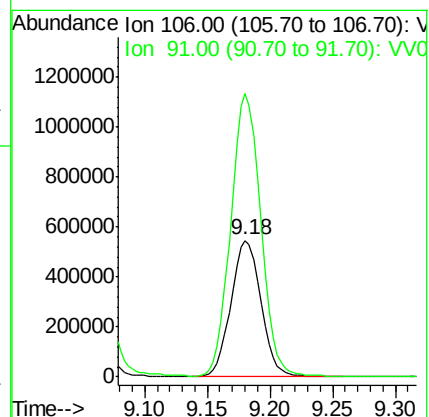
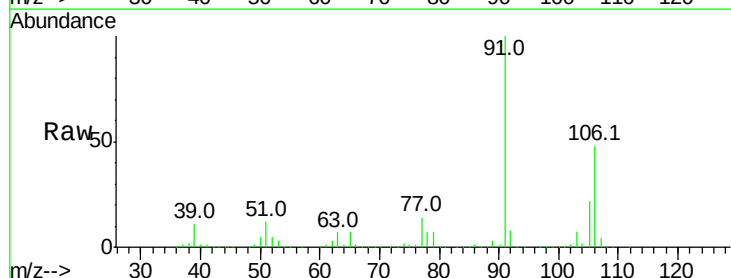
Acq: 30 May 2019 14:22

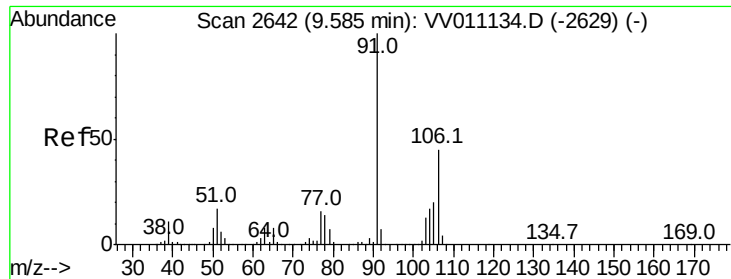
Tgt Ion: 106 Resp: 903746

Ion Ratio Lower Upper

106 100

91 207.2 145.3 269.9





#55

o-xylene

Concen: 95.422 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

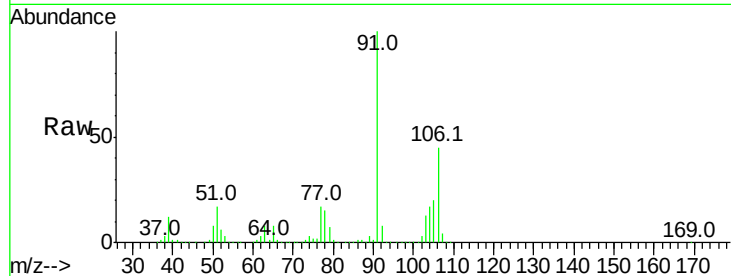
VSTD10071

Tgt Ion:106 Resp: 906566

Ion Ratio Lower Upper

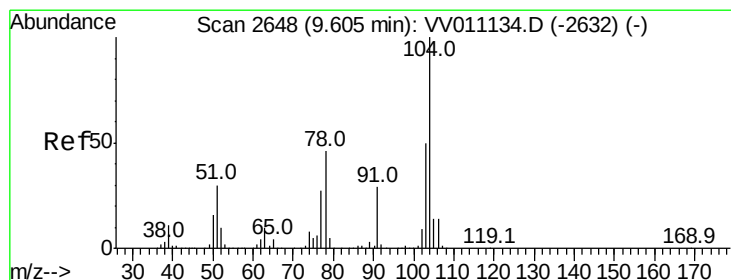
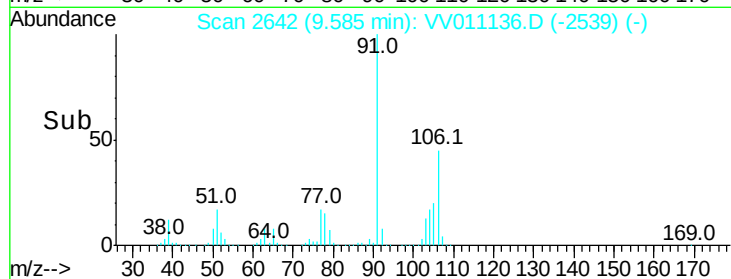
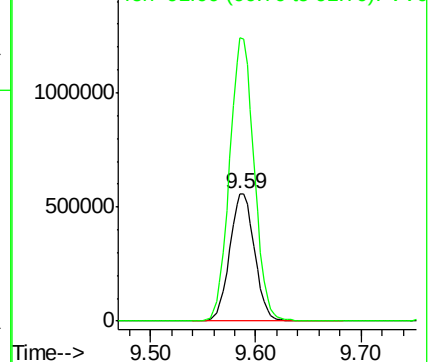
106 100

91 221.8 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 99.422 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011136.D

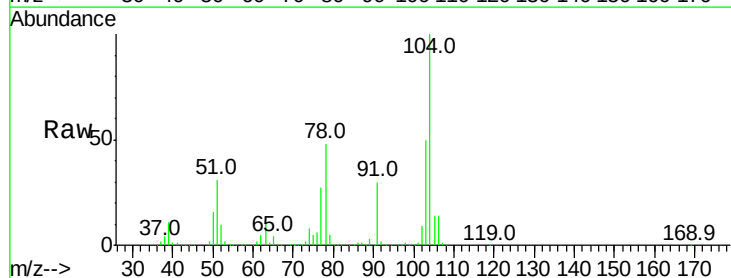
Acq: 30 May 2019 14:22

Tgt Ion:104 Resp: 1601595

Ion Ratio Lower Upper

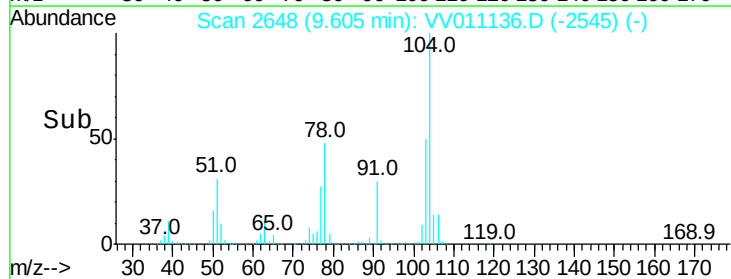
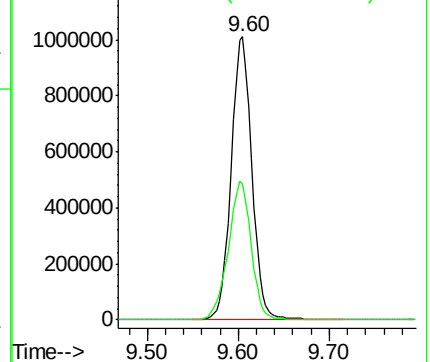
104 100

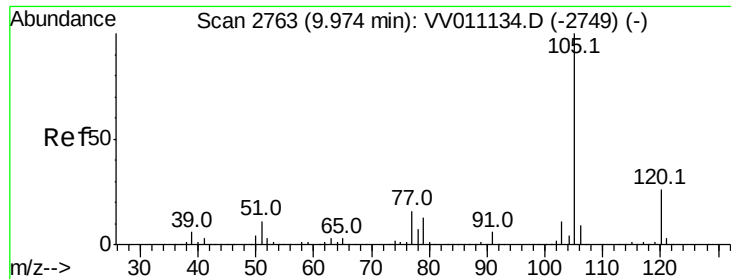
78 48.1 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 94.220 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

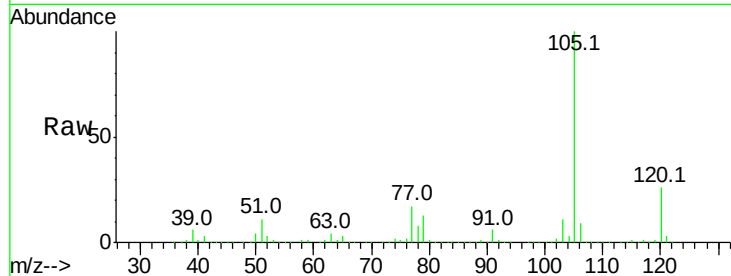
Tgt Ion:105 Resp: 2389038

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

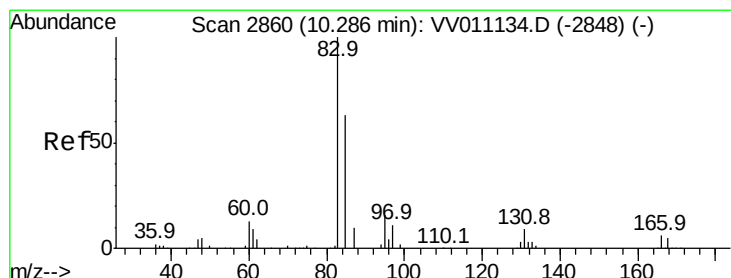
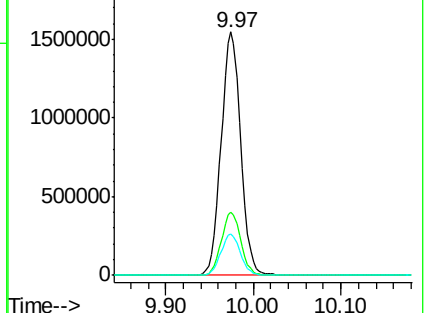
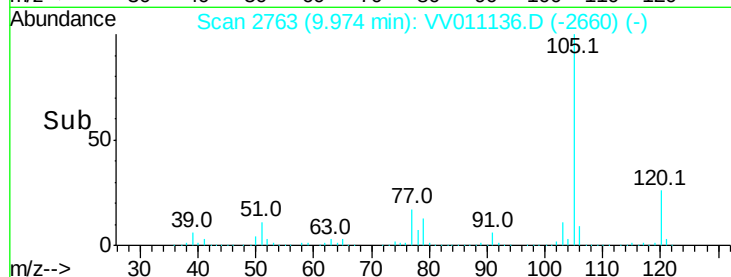
77 17.0 13.3 19.9



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: 103.378 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

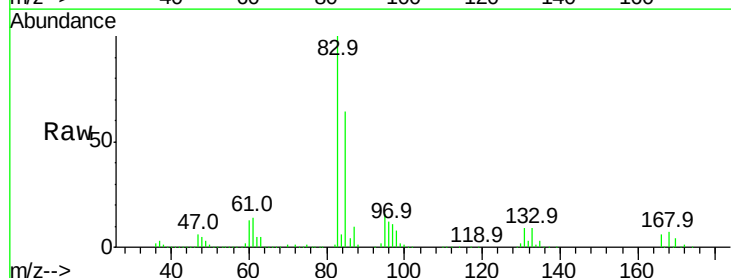
Tgt Ion: 83 Resp: 569636

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.4

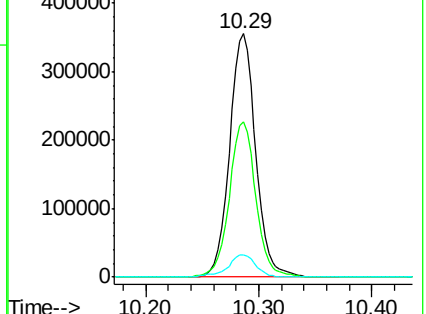
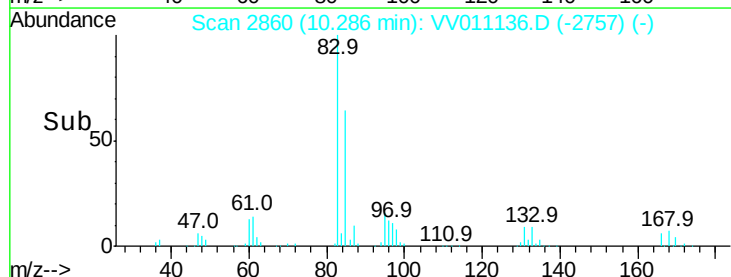
131 9.2 7.5 11.3

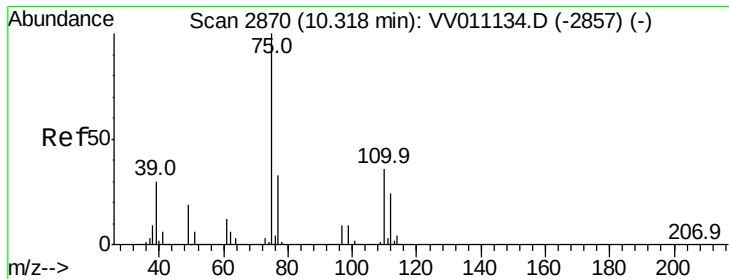


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 103.273 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

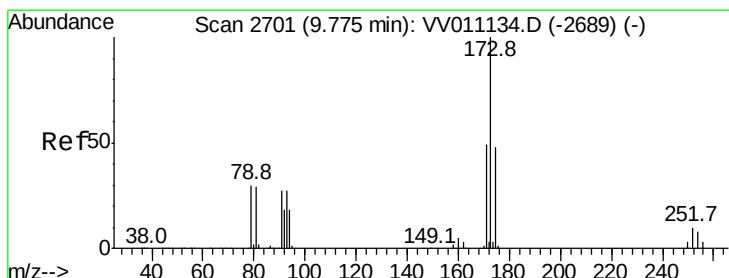
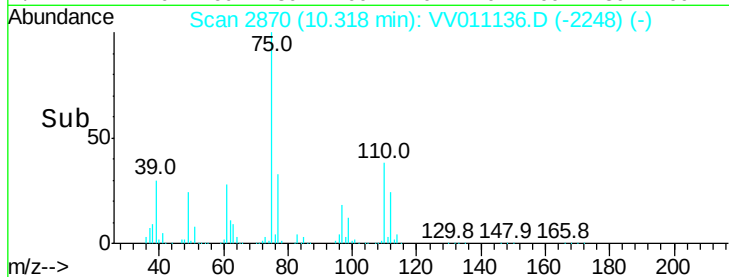
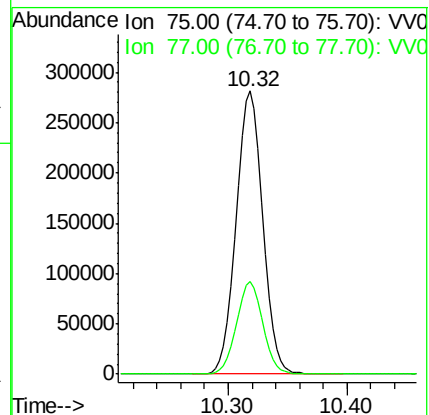
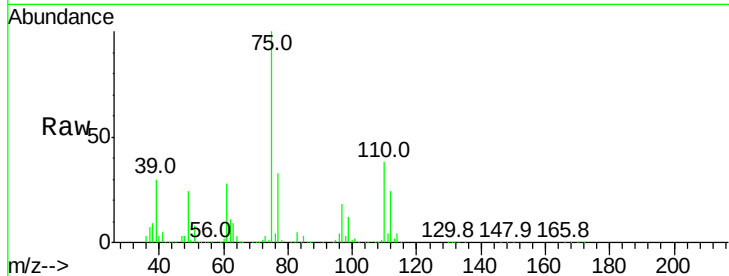
VSTD10071

Tgt Ion: 75 Resp: 434890

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#62

Bromoform

Concen: 101.541 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

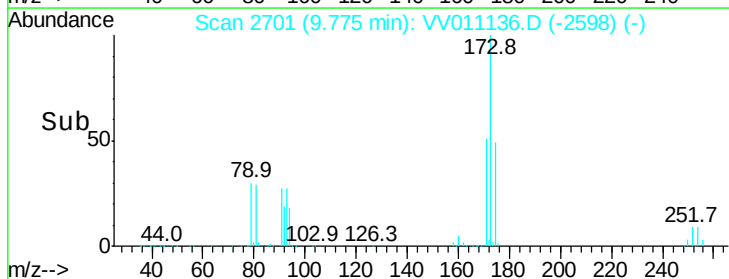
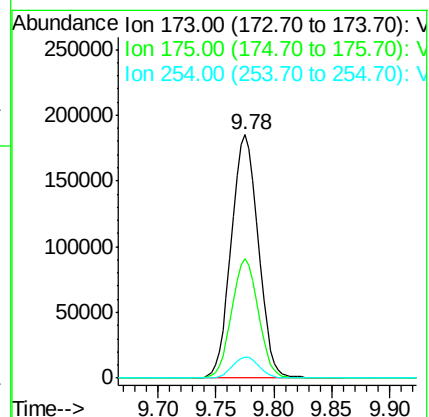
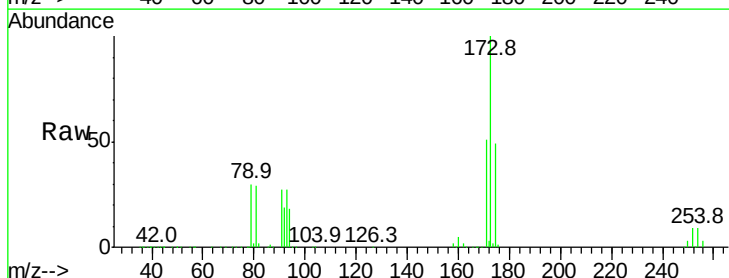
Tgt Ion: 173 Resp: 297715

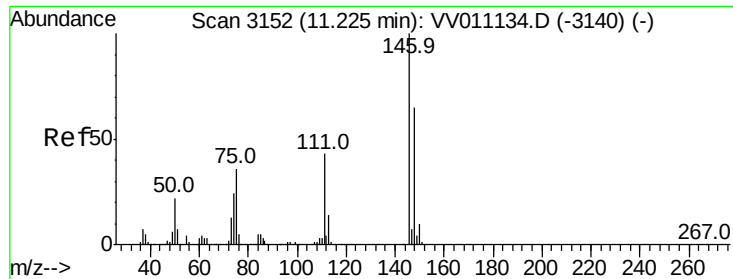
Ion Ratio Lower Upper

173 100

175 48.2 38.1 57.1

254 8.7 6.9 10.3





#63

1,3-Dichlorobenzene

Concen: 94.011 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

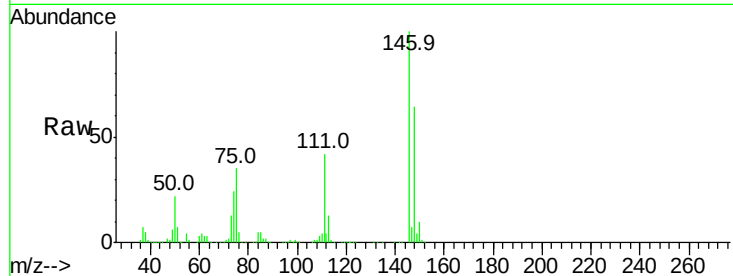
Tgt Ion:146 Resp: 1077957

Ion Ratio Lower Upper

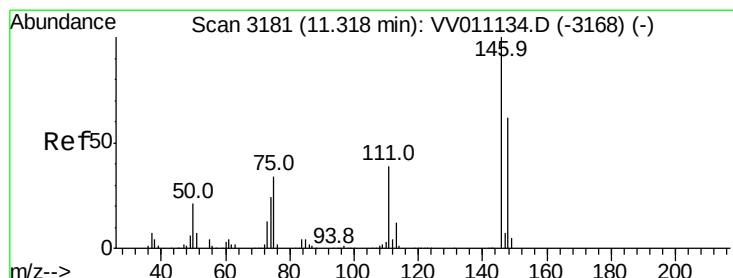
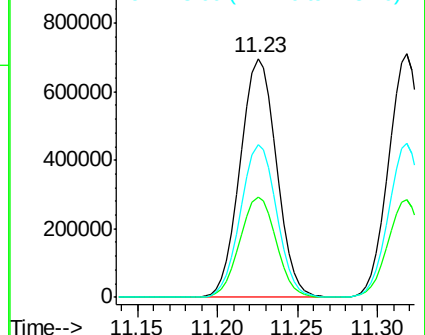
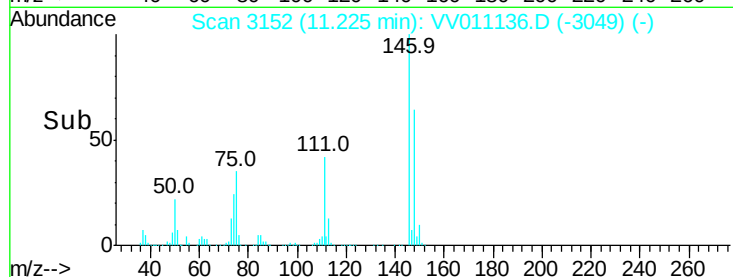
146 100

111 42.0 29.9 55.5

148 63.8 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 94.758 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

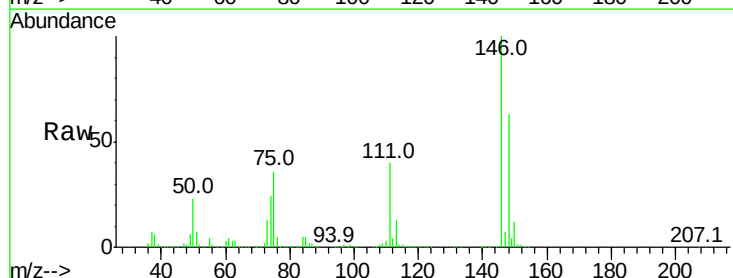
Tgt Ion:146 Resp: 1081238

Ion Ratio Lower Upper

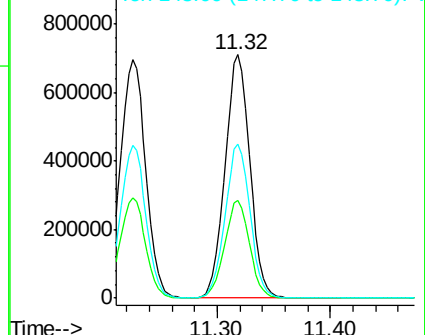
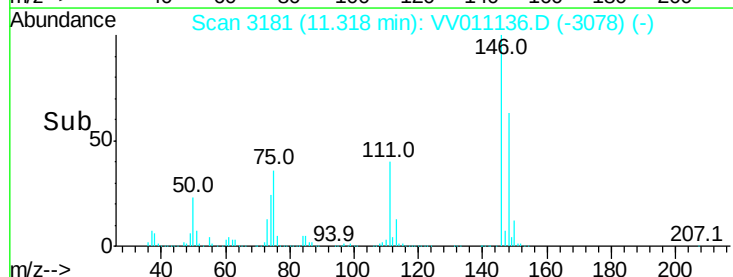
146 100

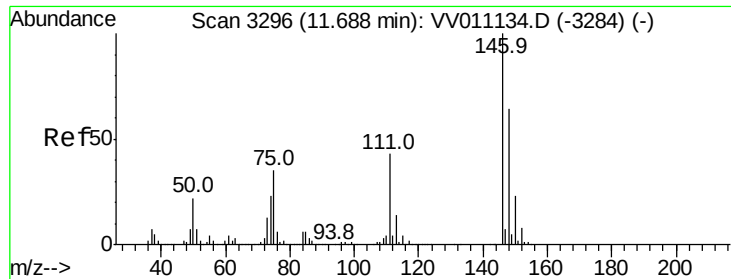
111 40.1 27.4 51.0

148 63.3 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

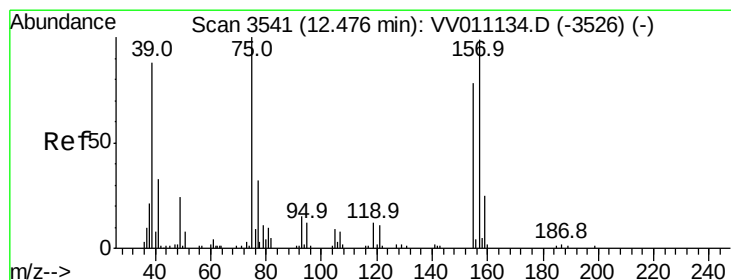
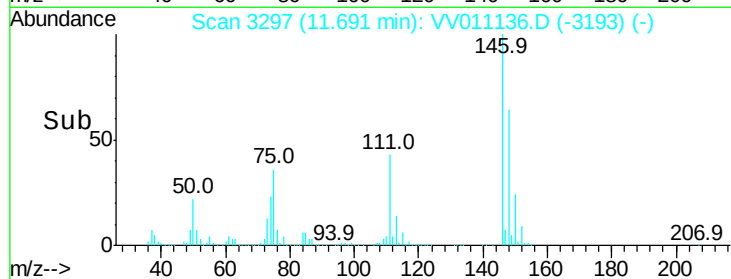
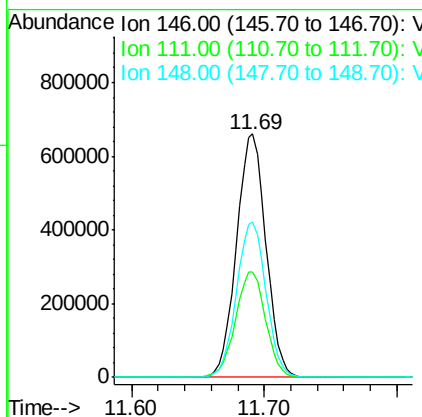
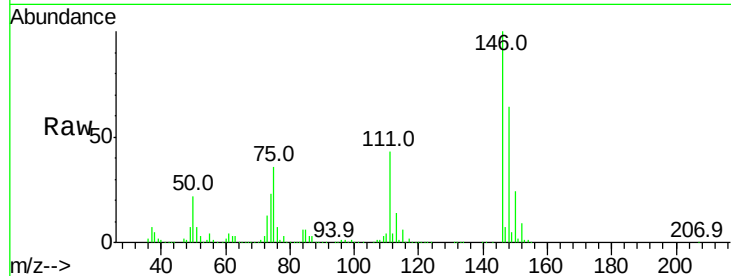




#65
 1,2-Dichlorobenzene
 Concen: 94.917 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

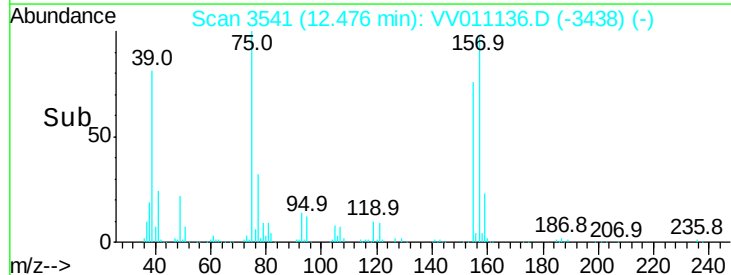
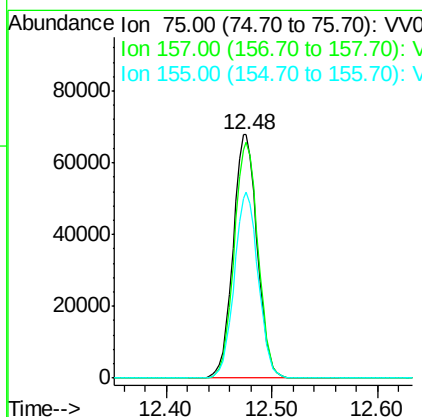
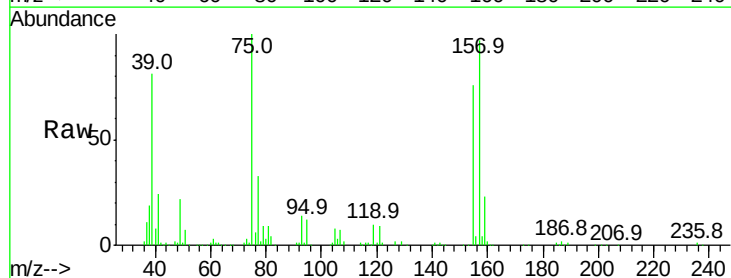
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10071

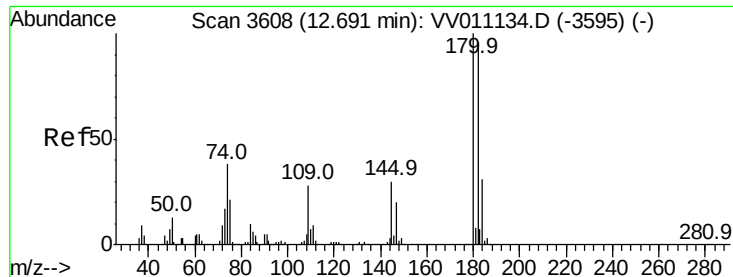
Tgt Ion:146 Resp: 1017007
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.8 52.2
 148 63.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 97.958 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

Tgt Ion: 75 Resp: 107140
 Ion Ratio Lower Upper
 75 100
 157 96.9 79.6 119.4
 155 76.4 62.4 93.6

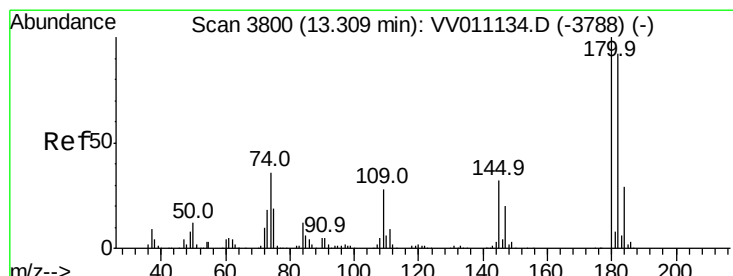
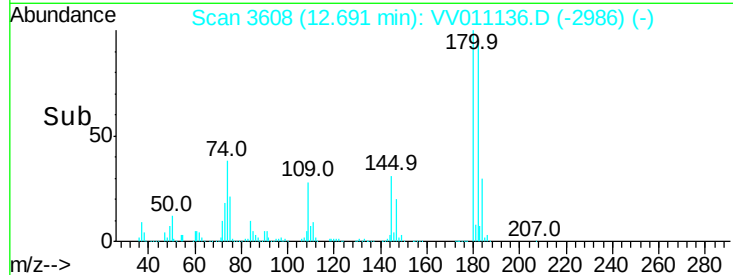
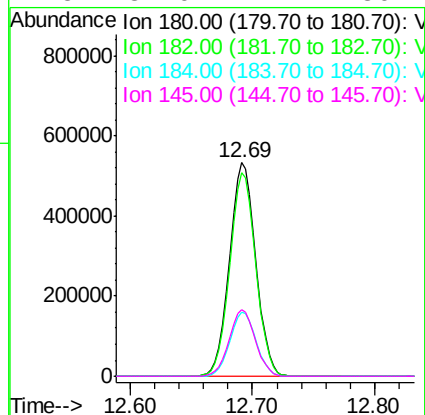
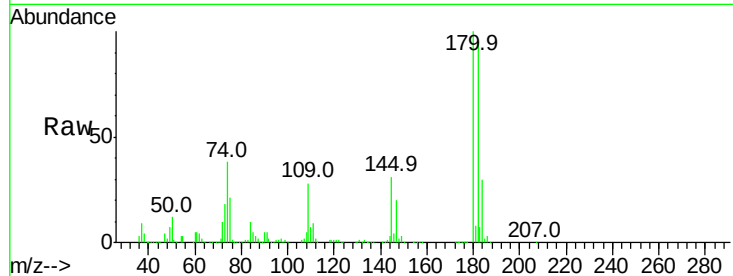




#67
 1,3,5-Trichlorobenzene
 Concen: 95.004 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

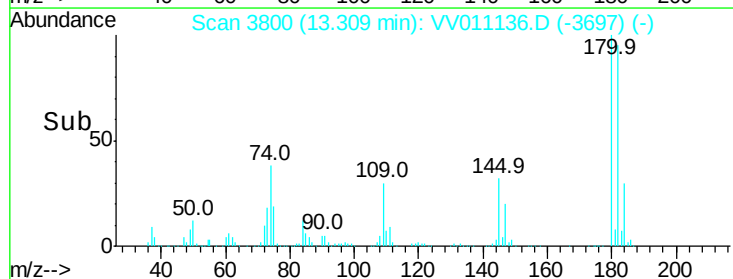
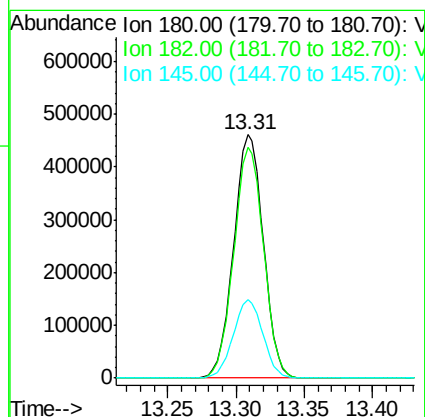
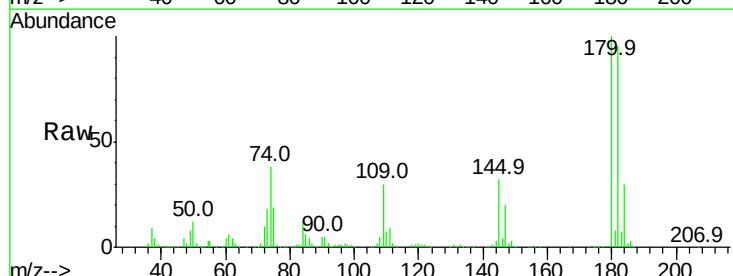
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10071

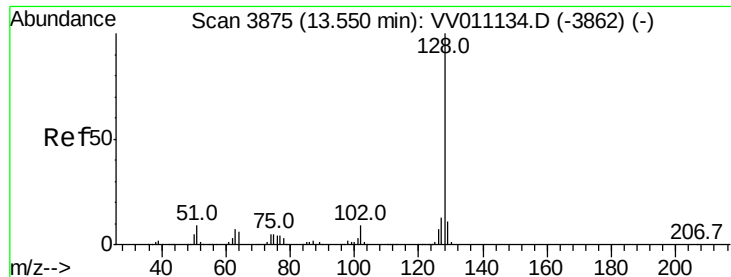
Tgt Ion:	180	Resp:	801179
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.3	112.9
184	30.1	24.3	36.5
145	31.0	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 103.741 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011136.D
 Acq: 30 May 2019 14:22

Tgt Ion:	180	Resp:	695986
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.4	113.0
145	32.0	25.7	38.5





#69

Naphthalene

Concen: 116.106 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10071

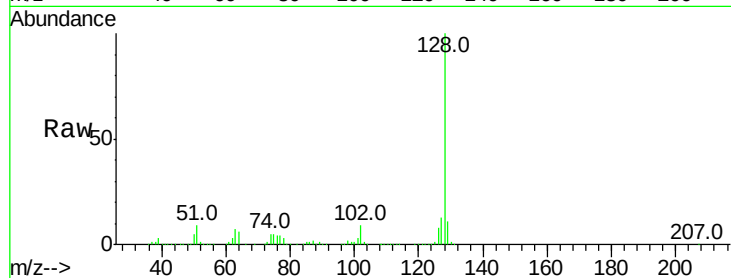
Tgt Ion:128 Resp: 1606835

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

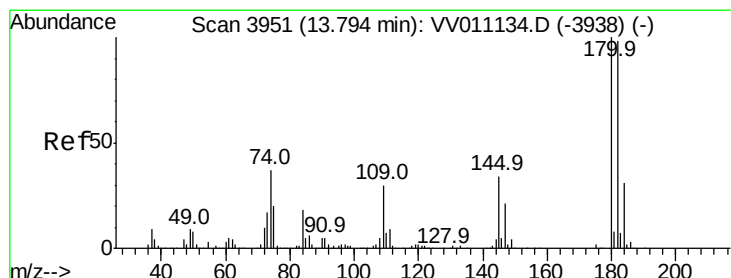
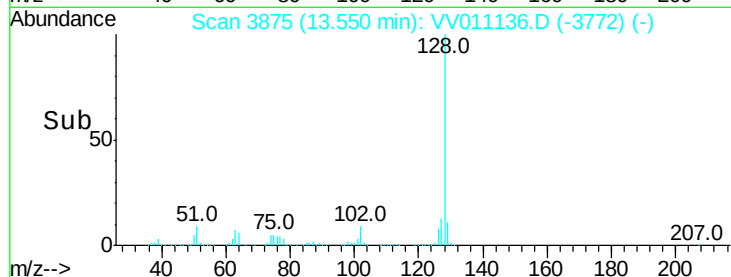
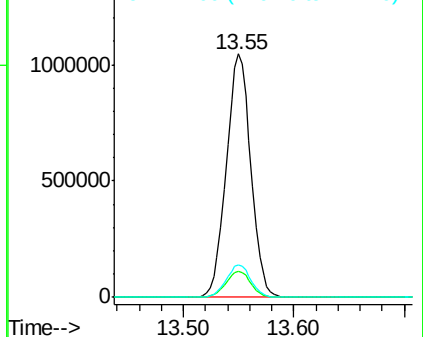
127 13.5 10.6 16.0



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: 105.604 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011136.D

Acq: 30 May 2019 14:22

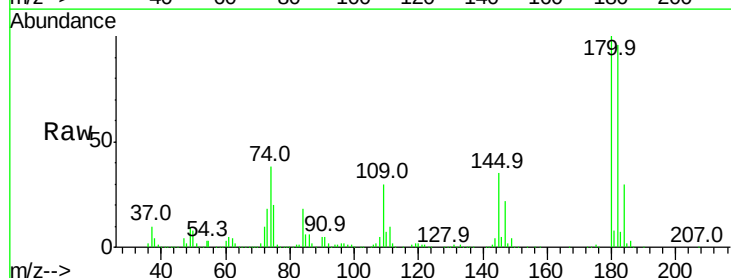
Tgt Ion:180 Resp: 648337

Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.0

145 34.3 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

