

Data File : VV011135.D
Acq On : 30 May 2019 13:54
Operator : SY/MD
Sample : VSTD05083
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: May 30 14:26:05 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	348292	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	338162	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	167278	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	219584	45.99	ug/L	0.00
7) Chloroethane-d5	1.56	69	173439	50.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	461620	51.97	ug/L	0.00
20) 2-Butanone-d5	3.93	46	189619	115.21	ug/L	0.00
24) Chloroform-d	4.39	84	417251	49.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	284345	52.66	ug/L	0.00
29) Benzene-d6	5.09	84	914213	46.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	298261	47.35	ug/L	0.00
37) Toluene-d8	7.36	98	863885	47.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	143796	49.00	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	147572	107.53	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	281825	52.03	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	309023	46.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	288875	50.864	ug/L	99
3) Chloromethane	1.25	50	289967	51.760	ug/L	99
5) Vinyl chloride	1.32	62	276645	53.507	ug/L	99
6) Bromomethane	1.51	94	143907	64.584	ug/L	99
8) Chloroethane	1.58	64	160871	57.358	ug/L	100
9) Trichlorofluoromethane	1.75	101	395515	57.112	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	205685	55.347	ug/L	99
12) 1,1-Dichloroethene	2.13	96	191855	54.867	ug/L	89
13) Acetone	2.19	43	215362	115.509	ug/L	99
14) Carbon disulfide	2.31	76	623856	53.333	ug/L	100
15) Methyl Acetate	2.45	43	153459	57.024	ug/L	99
16) Methylene chloride	2.52	84	251978	49.486	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	691818	52.817	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	237103	49.570	ug/L	97
19) 1,1-Dichloroethane	3.22	63	460959	49.570	ug/L	99
21) 2-Butanone	4.02	43	255737	111.379	ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	271471	50.388	ug/L	98
23) Bromochloromethane	4.29	128	117306	51.401	ug/L	93
25) Chloroform	4.42	83	504703	51.395	ug/L	100
27) 1,2-Dichloroethane	5.17	62	355169	55.512	ug/L	99
30) Cyclohexane	4.72	56	438585	44.776	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	386485	50.196	ug/L	100
32) Carbon tetrachloride	4.87	117	330476	50.115	ug/L	99
34) Benzene	5.14	78	992847	48.553	ug/L	100
35) Trichloroethene	5.96	95	262258	49.106	ug/L	99
36) Methylcyclohexane	6.17	83	430712	46.739	ug/L	99
40) 1,2-Dichloropropane	6.22	63	271485	49.817	ug/L	99
41) Bromodichloromethane	6.55	83	354080	51.251	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	442913	50.869	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	496619	103.911	ug/L	100

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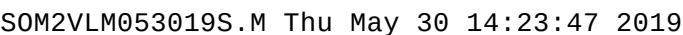
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

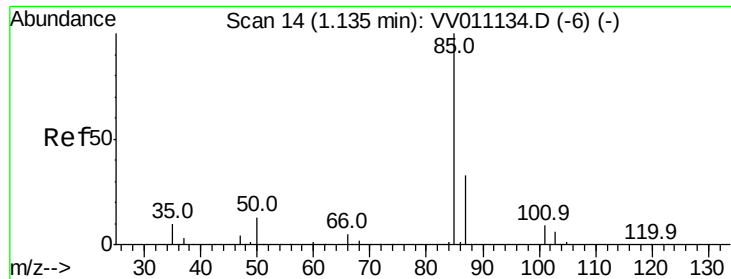
Quant Time: May 30 14:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 13:47:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1089399	48.999	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	387961	52.218	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	210976	52.235	ug/L	99
47) Tetrachloroethene	8.02	164	190710	49.513	ug/L	96
49) 2-Hexanone	8.18	43	401174	113.820	ug/L	98
50) Dibromochloromethane	8.29	129	250582	53.547	ug/L	100
51) 1,2-Dibromoethane	8.40	107	208519	53.950	ug/L	98
52) Chlorobenzene	8.92	112	696506	50.550	ug/L	99
53) Ethylbenzene	9.05	91	1247362	49.213	ug/L	100
54) m,p-Xylene	9.18	106	466300	49.390	ug/L	98
55) o-xylene	9.59	106	456285	49.736	ug/L	98
56) Styrene	9.60	104	803578	51.659	ug/L	97
57) Isopropylbenzene	9.97	105	1225562	50.055	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	285252	53.610	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	221170	54.390	ug/L	100
62) Bromoform	9.77	173	144429	51.325	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	535534	48.663	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	542909	49.574	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	513275	49.912	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	53118	50.602	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	403816	49.892	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	344193	53.455	ug/L	100
69) Naphthalene	13.55	128	783759	59.007	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	319679	54.254	ug/L	98

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

Quant Time: May 30 14:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM053019S.M
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.864 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

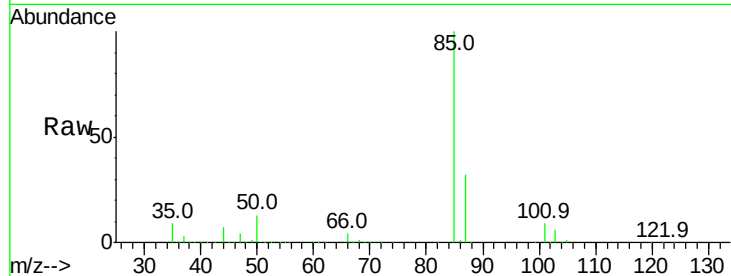
VSTD05070

Tgt Ion: 85 Resp: 288875

Ion Ratio Lower Upper

85 100

87 32.0 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

300000

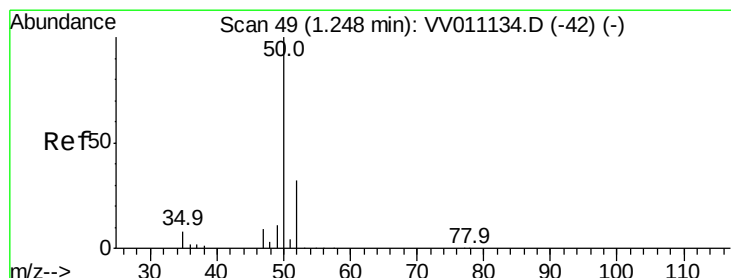
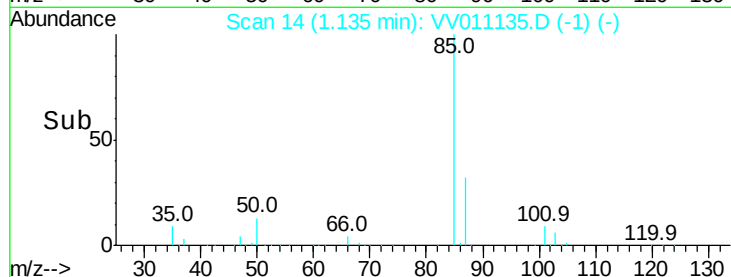
200000

100000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 51.760 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011135.D

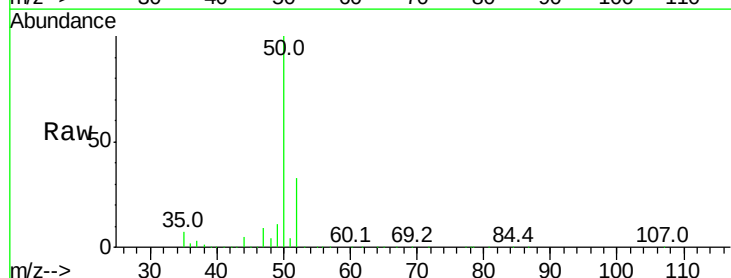
Acq: 30 May 2019 13:54

Tgt Ion: 50 Resp: 289967

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

1.25

300000

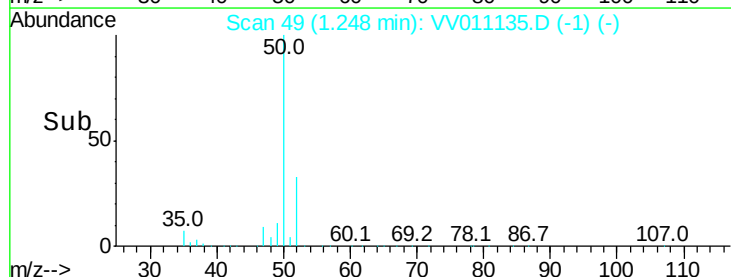
200000

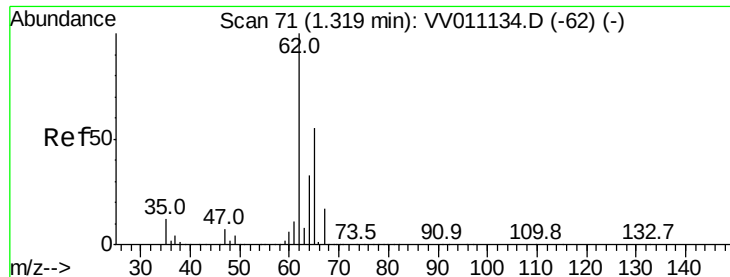
100000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 53.507 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

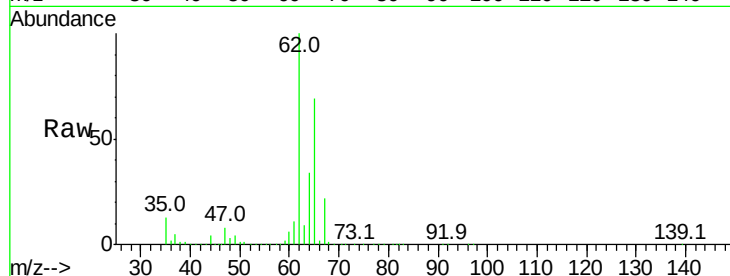
VSTD05070

Tgt Ion: 62 Resp: 276645

Ion Ratio Lower Upper

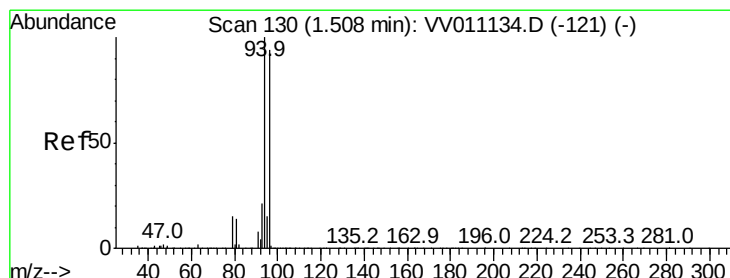
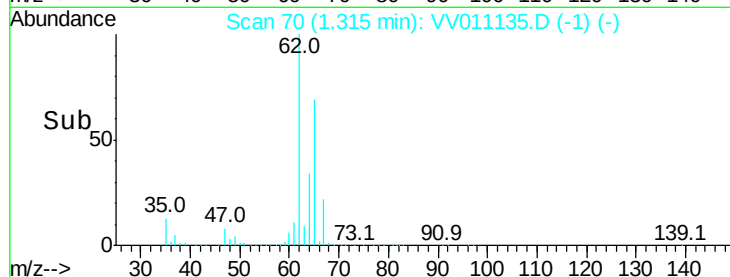
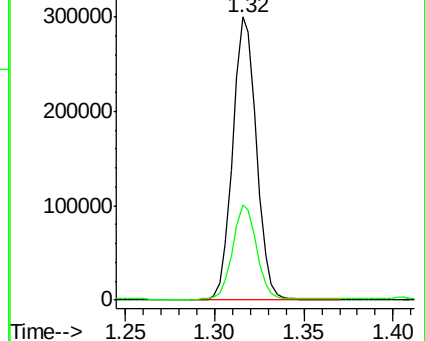
62 100

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: 64.584 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

Lab File: VV011135.D

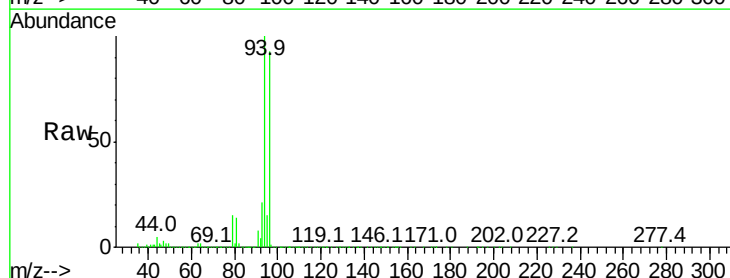
Acq: 30 May 2019 13:54

Tgt Ion: 94 Resp: 143907

Ion Ratio Lower Upper

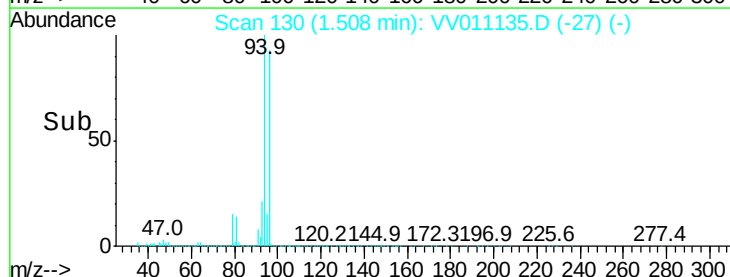
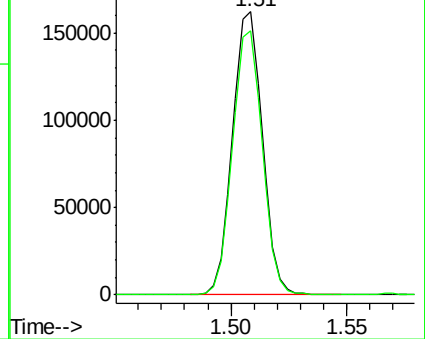
94 100

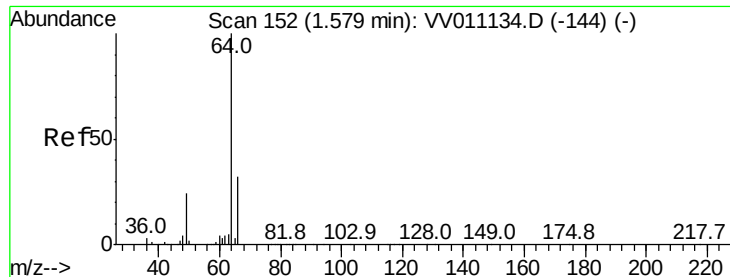
96 93.4 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 57.358 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

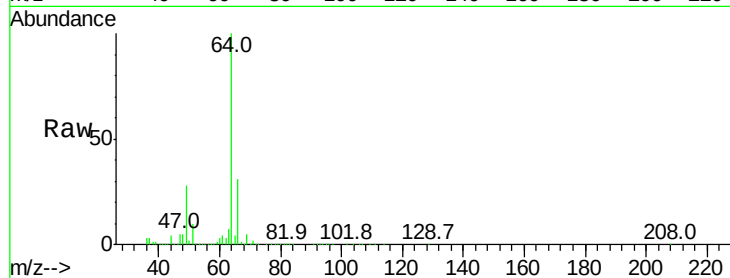
VSTD05070

Tgt Ion: 64 Resp: 160871

Ion Ratio Lower Upper

64 100

66 31.2 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV011135.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV011135.D (-151) (-)

1.58

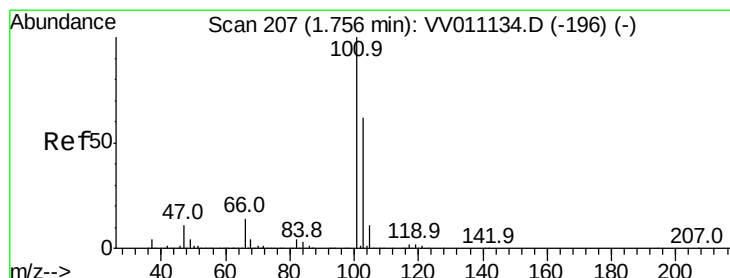
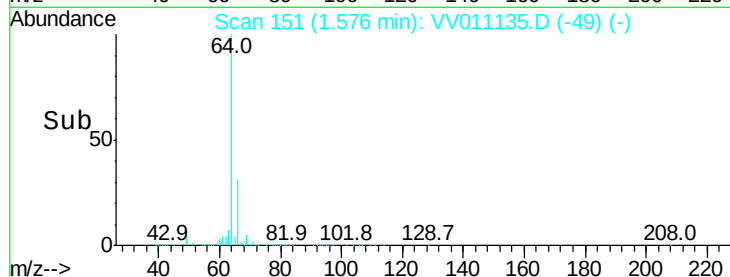
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 57.112 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV011135.D

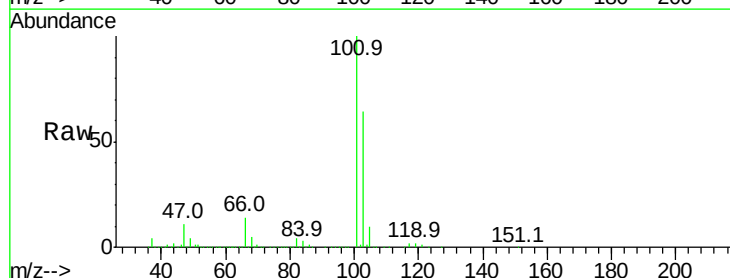
Acq: 30 May 2019 13:54

Tgt Ion: 101 Resp: 395515

Ion Ratio Lower Upper

101 100

103 64.3 44.4 82.4



Abundance Ion 101.00 (100.70 to 101.70): VV011135.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VV011135.D (-206) (-)

1.75

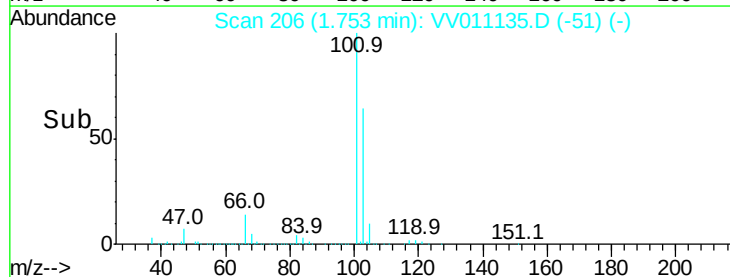
300000

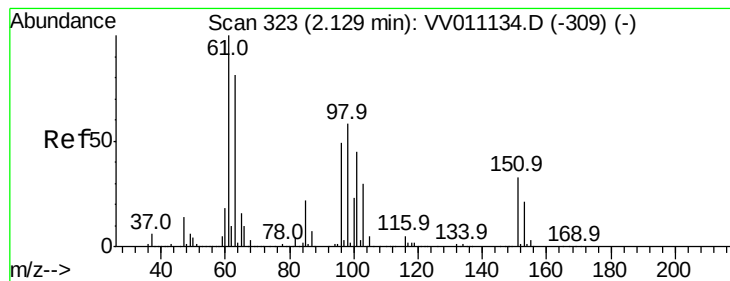
200000

100000

0

Time-->





#11

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

Concen: 55.347 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

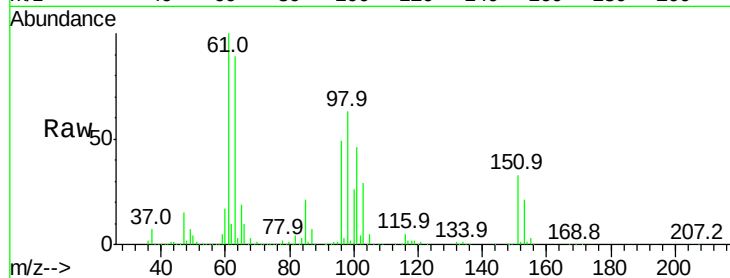
Tgt Ion: 101 Resp: 205685

Ion Ratio Lower Upper

101 100

85 45.3 37.4 56.2

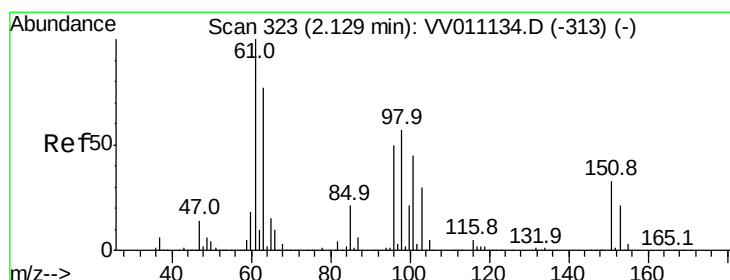
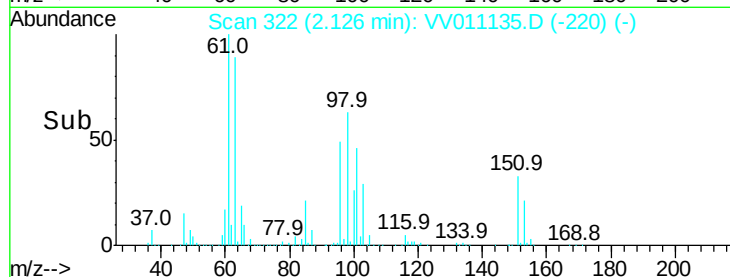
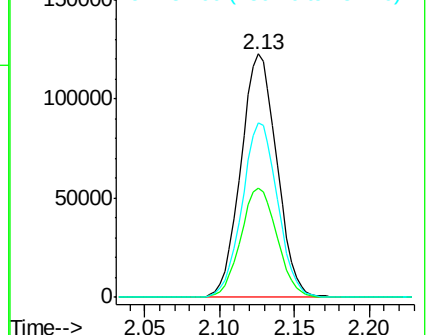
151 70.5 57.1 85.7



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: 54.867 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

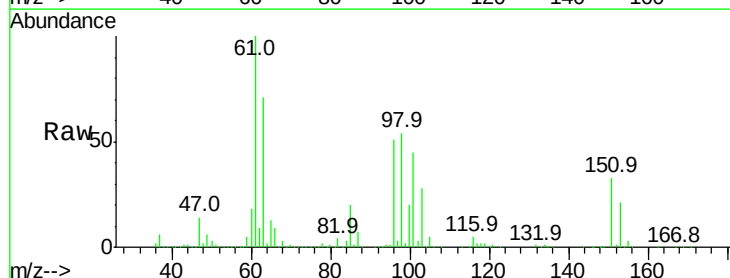
Tgt Ion: 96 Resp: 191855

Ion Ratio Lower Upper

96 100

61 195.7 141.6 263.0

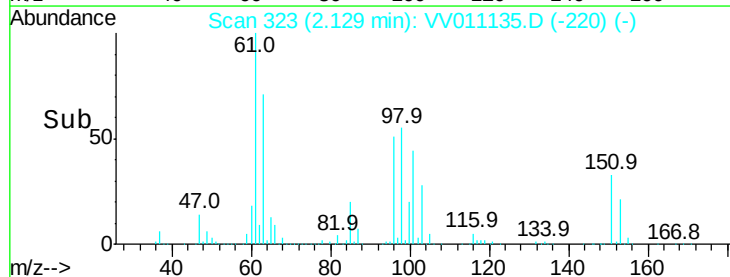
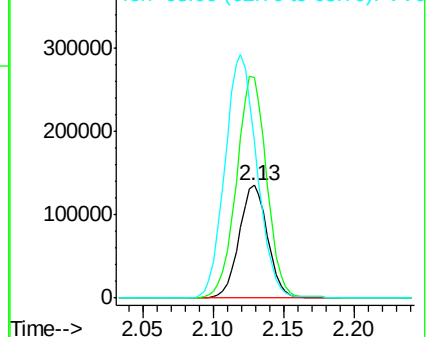
63 139.1 114.4 212.4

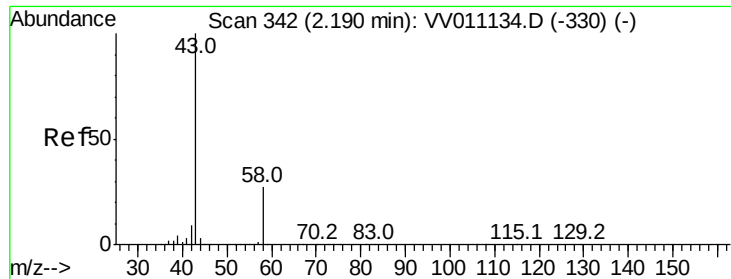


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 115.509 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

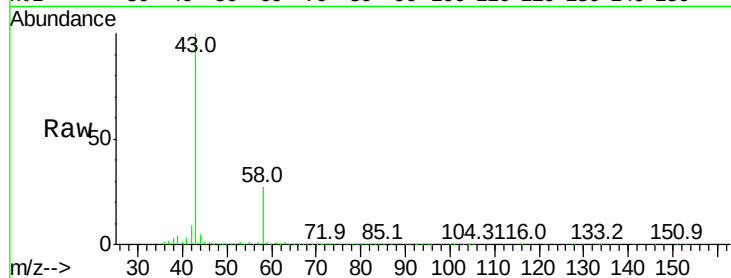
VSTD05070

Tgt Ion: 43 Resp: 215362

Ion Ratio Lower Upper

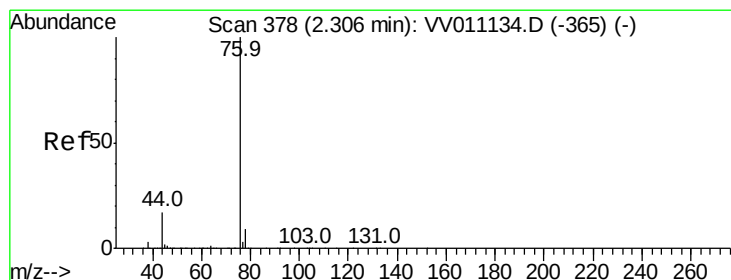
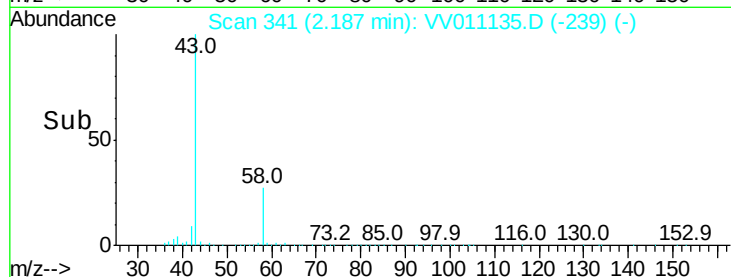
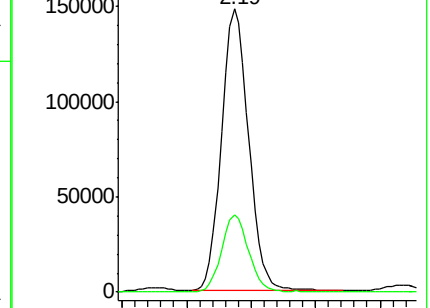
43 100

58 27.4 0.0 53.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 53.333 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011135.D

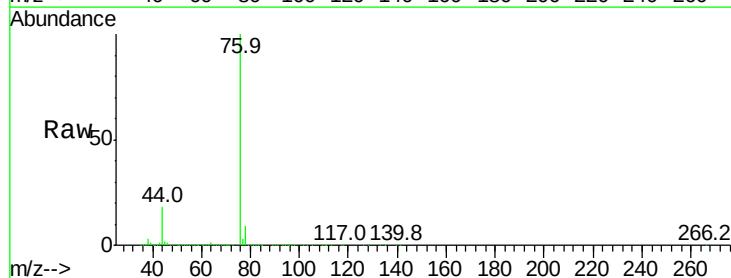
Acq: 30 May 2019 13:54

Tgt Ion: 76 Resp: 623856

Ion Ratio Lower Upper

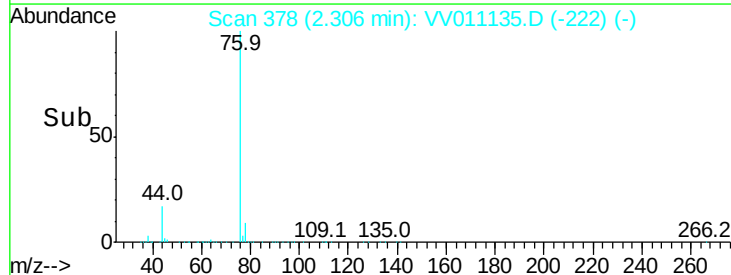
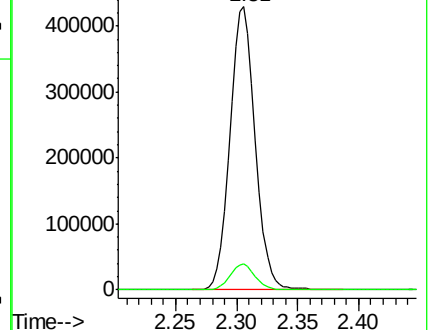
76 100

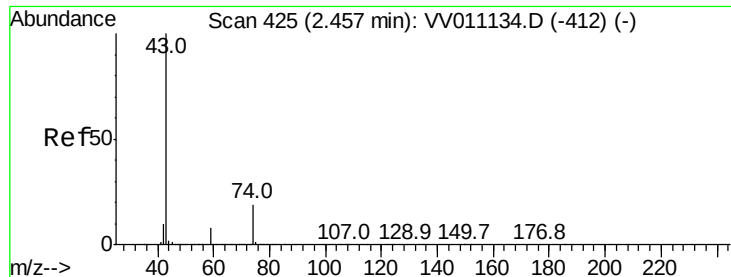
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 57.024 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampled :

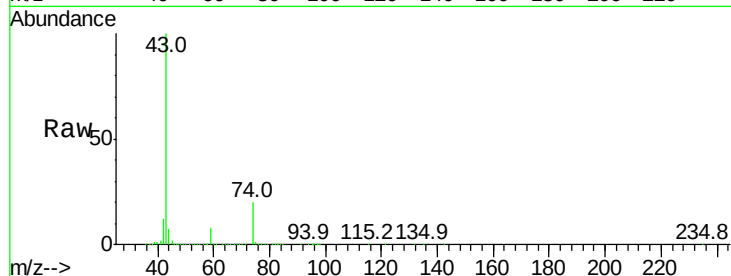
VSTD05070

Tgt Ion: 43 Resp: 153459

Ion Ratio Lower Upper

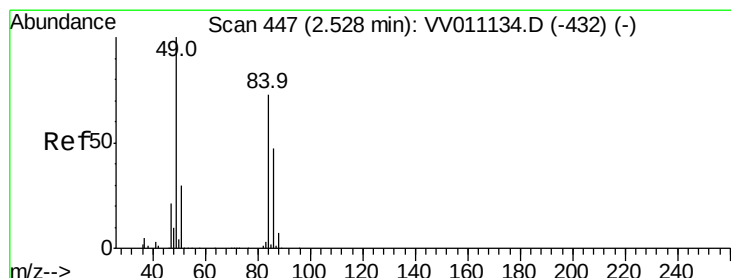
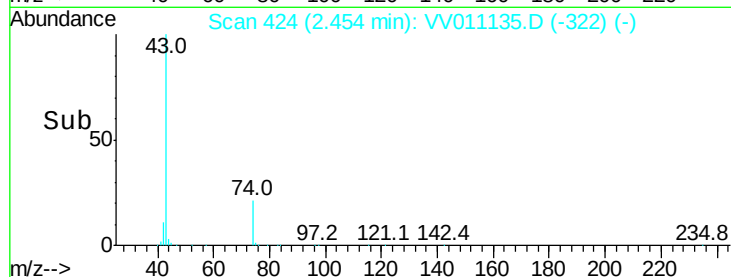
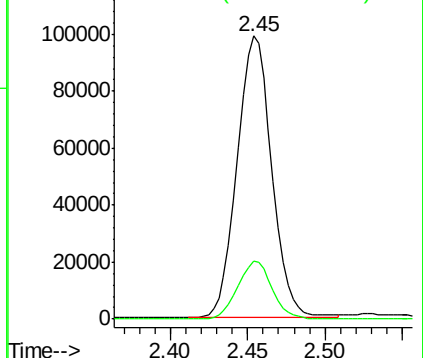
43 100

74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.486 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

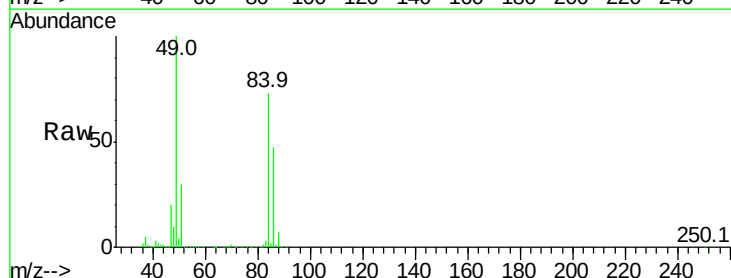
Tgt Ion: 84 Resp: 251978

Ion Ratio Lower Upper

84 100

49 137.4 96.1 178.5

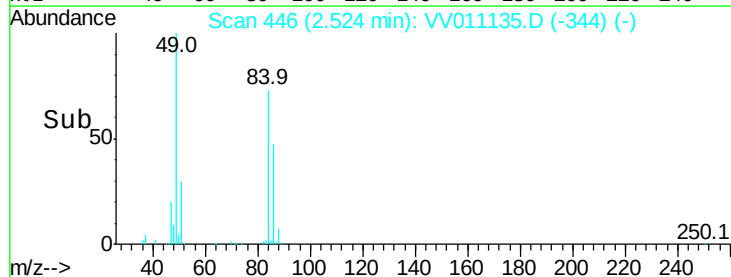
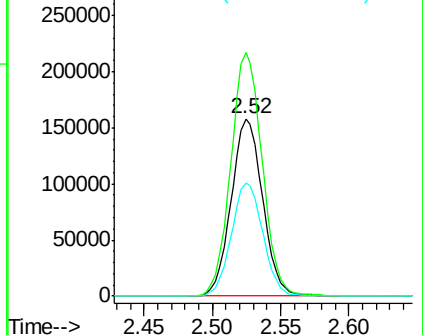
86 63.9 45.0 83.6

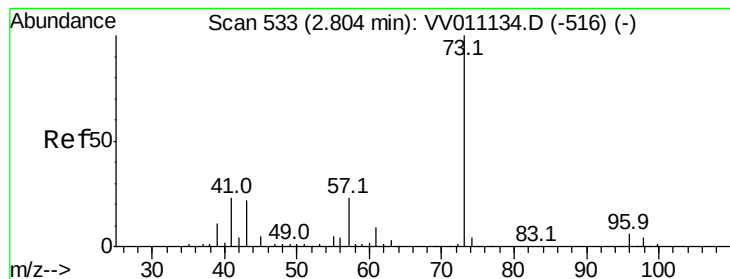


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#17

Methyl tert-butyl Ether

Concen: 52.817 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

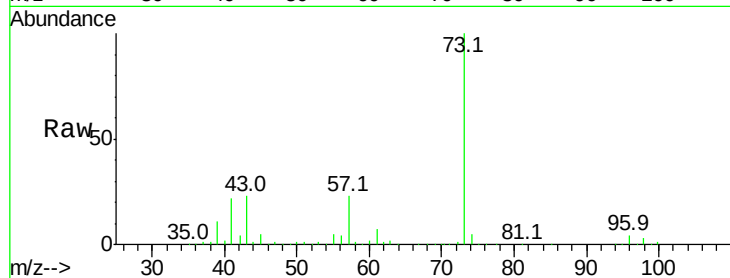
Tgt Ion: 73 Resp: 691818

Ion Ratio Lower Upper

73 100

43 22.7 17.5 26.3

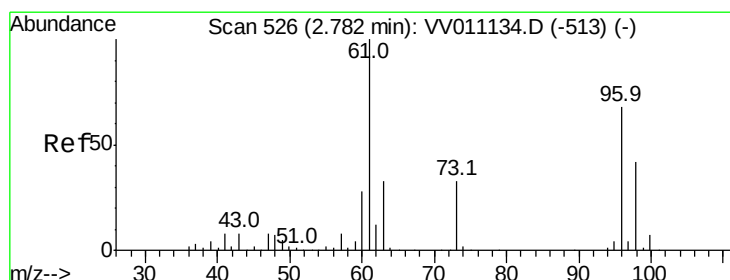
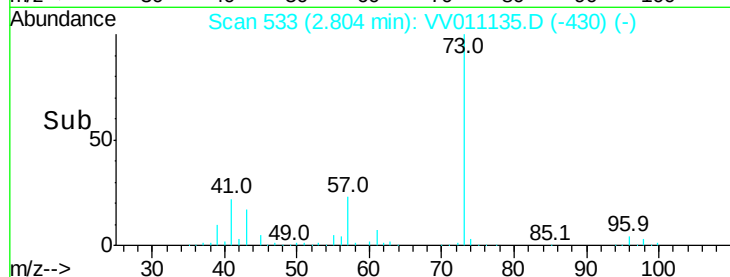
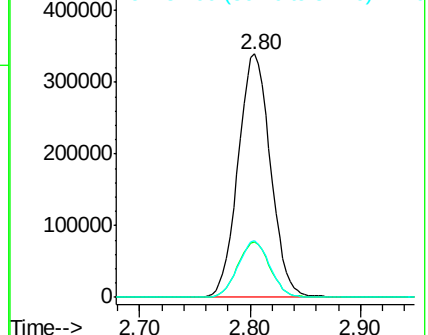
57 22.8 18.2 27.4



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: 49.570 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

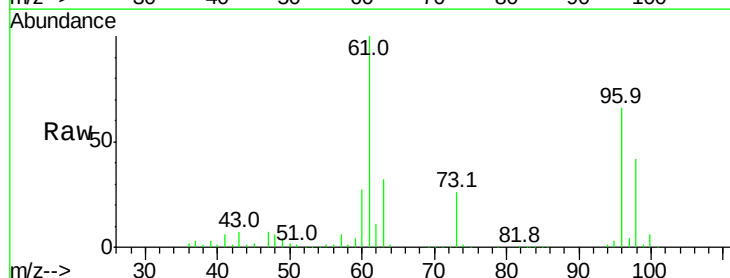
Tgt Ion: 96 Resp: 237103

Ion Ratio Lower Upper

96 100

61 151.5 102.6 190.5

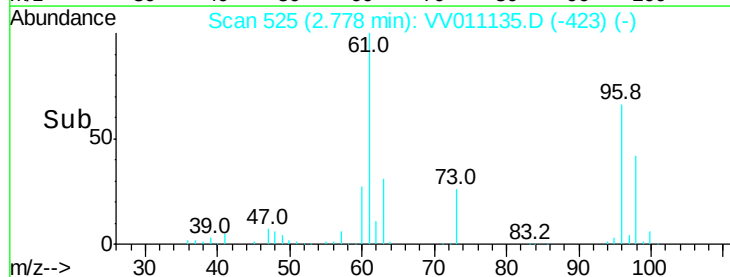
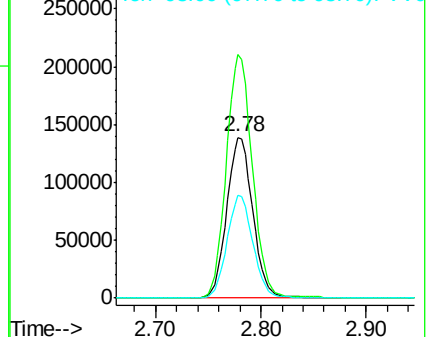
98 63.6 43.3 80.3

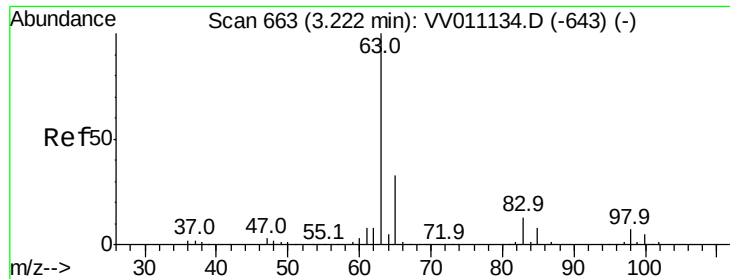


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

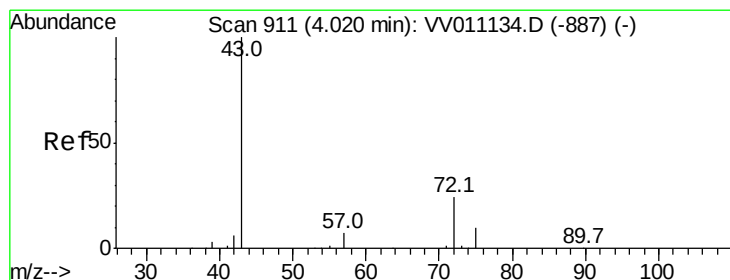
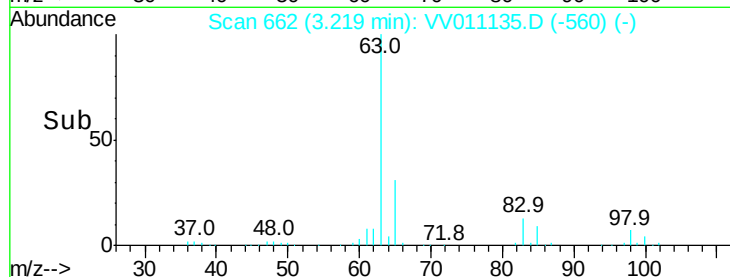
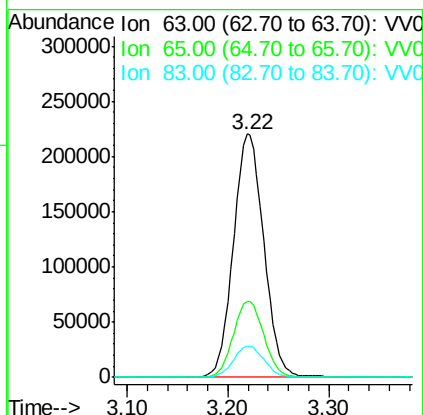
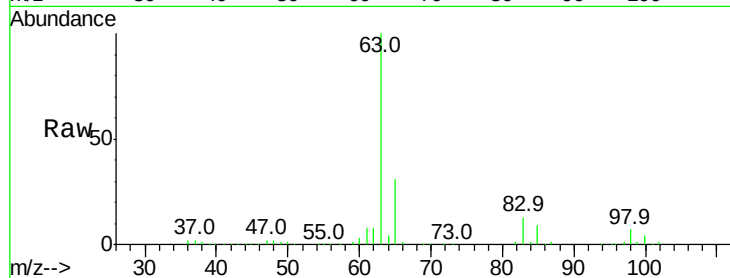




#19
 1,1-Dichloroethane
 Concen: 49.570 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

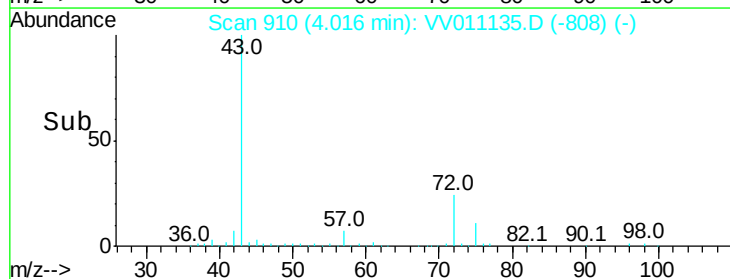
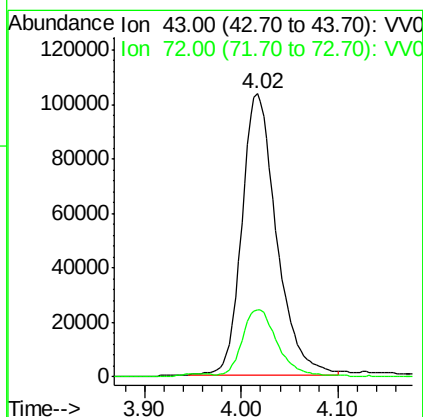
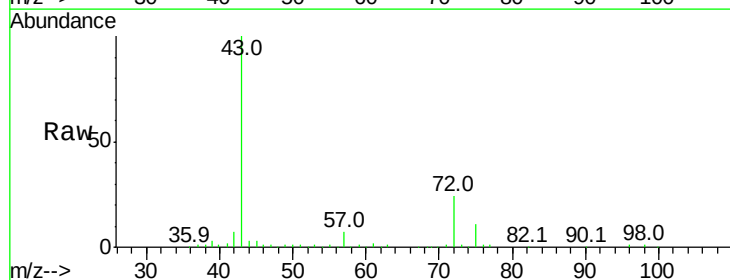
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

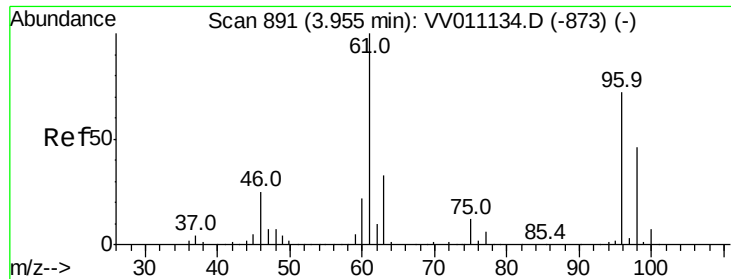
Tgt Ion: 63 Resp: 460959
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.3
 83 13.0 9.2 17.0



#21
 2-Butanone
 Concen: 111.379 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 255737
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.1 33.3



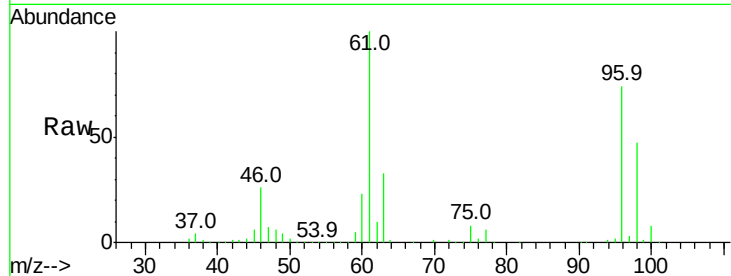


#22

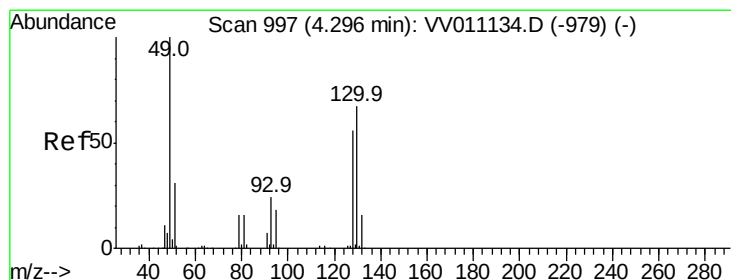
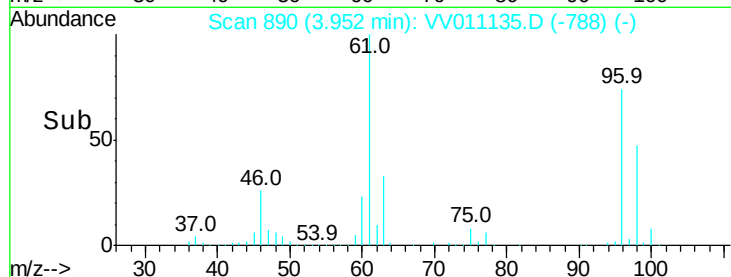
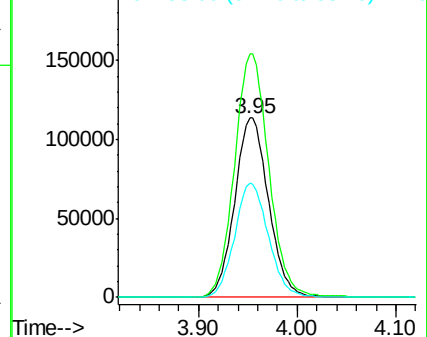
cis-1,2-Dichloroethene
Concen: 50.388 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion: 96 Resp: 271471
Ion Ratio Lower Upper
96 100
61 135.8 97.4 181.0
98 63.6 45.0 83.6



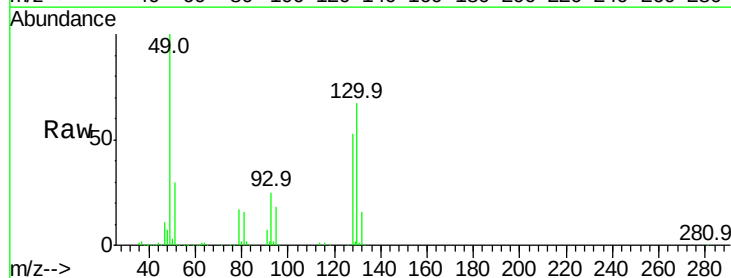
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



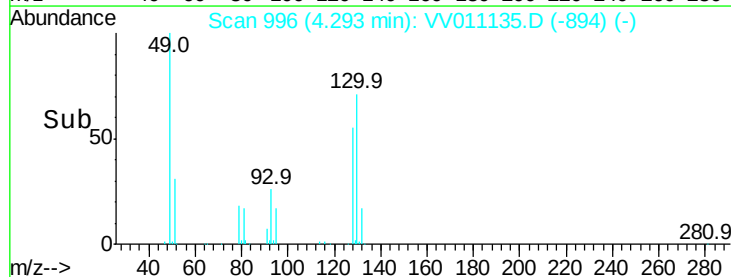
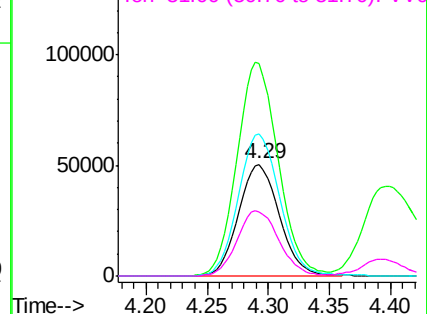
#23

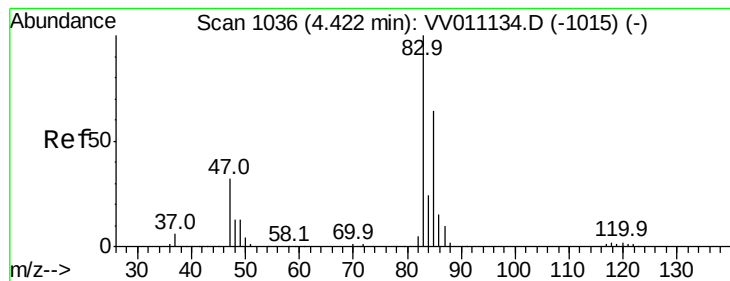
Bromochloromethane
Concen: 51.401 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Tgt Ion: 128 Resp: 117306
Ion Ratio Lower Upper
128 100
49 189.9 125.4 233.0
130 127.8 83.3 154.7
51 57.6 44.8 67.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 51.395 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

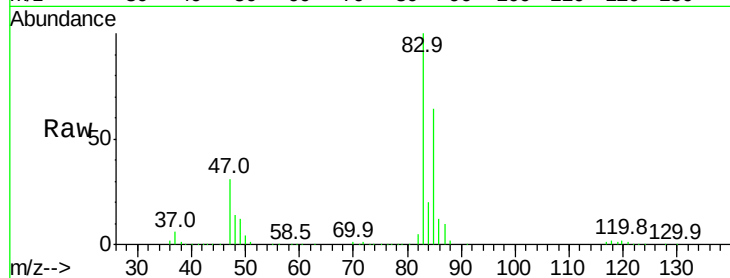
VSTD05070

Tgt Ion: 83 Resp: 504703

Ion Ratio Lower Upper

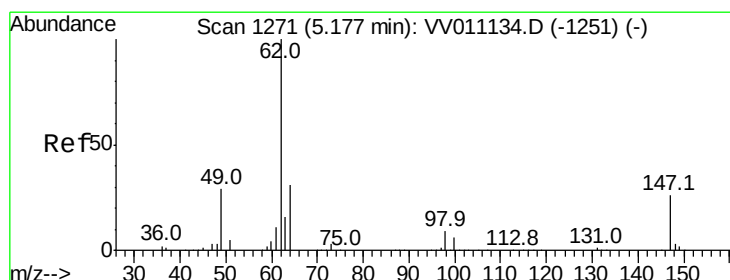
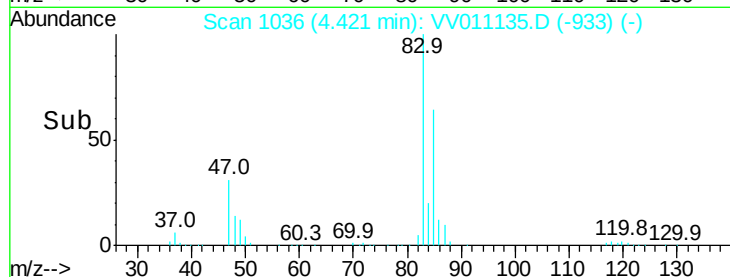
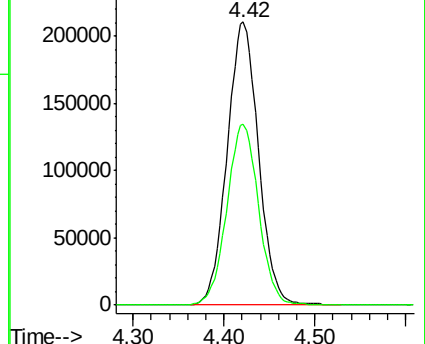
83 100

85 64.9 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 55.512 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV011135.D

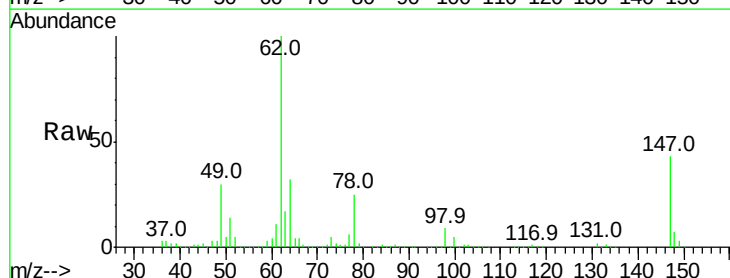
Acq: 30 May 2019 13:54

Tgt Ion: 62 Resp: 355169

Ion Ratio Lower Upper

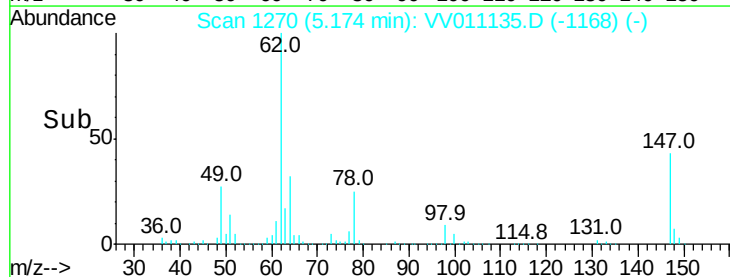
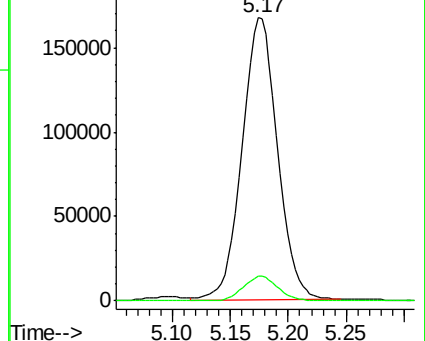
62 100

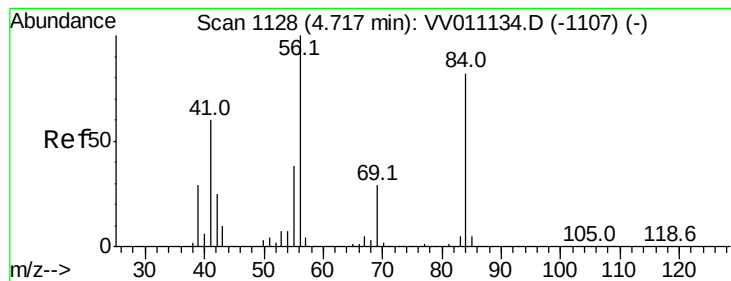
98 8.7 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#30

Cyclohexane

Concen: 44.776 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

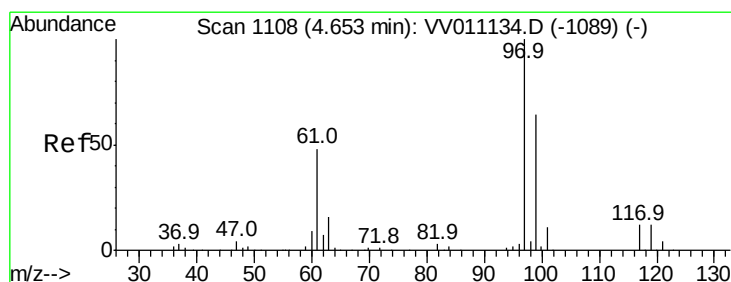
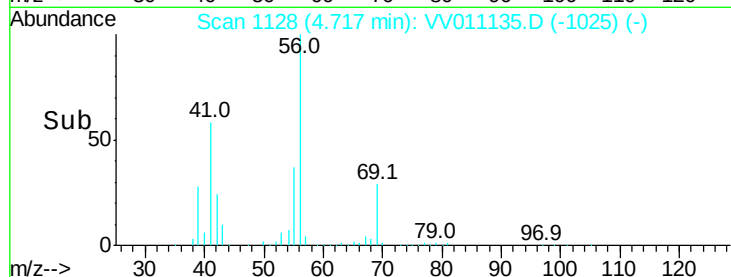
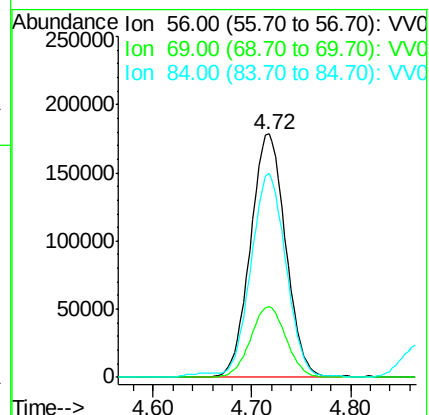
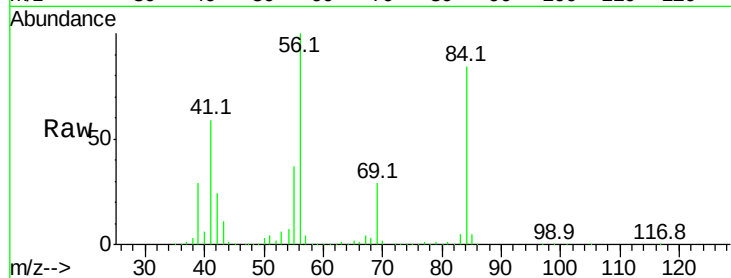
Tgt Ion: 56 Resp: 438585

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.0

84 82.6 65.8 98.8



#31

1,1,1-Trichloroethane

Concen: 50.196 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

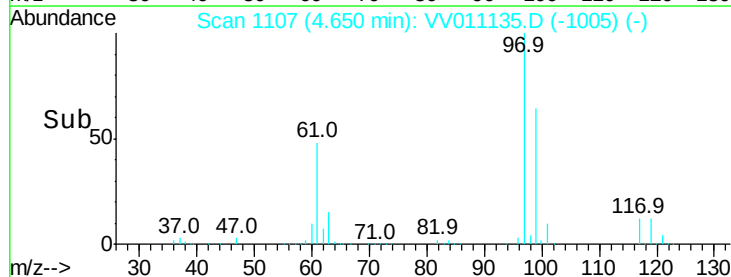
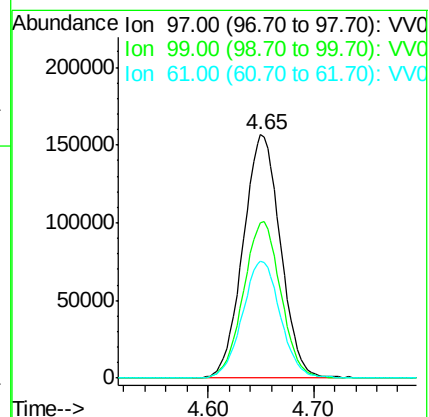
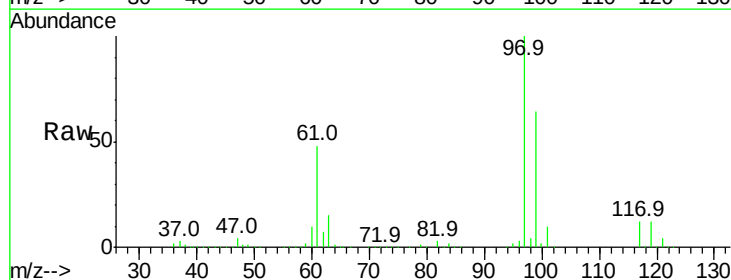
Tgt Ion: 97 Resp: 386485

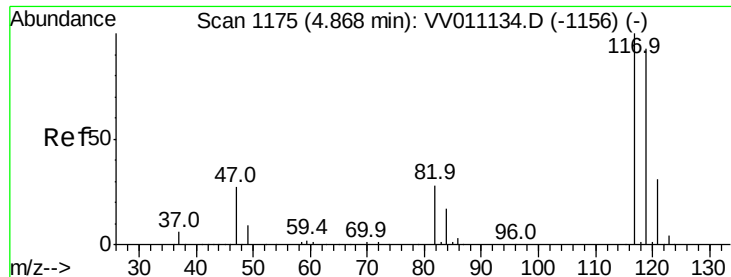
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 48.8 38.4 57.6





#32

Carbon tetrachloride

Concen: 50.115 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

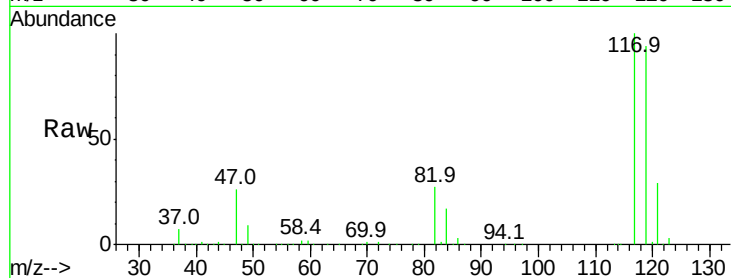
VSTD05070

Tgt Ion:117 Resp: 330476

Ion Ratio Lower Upper

117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

150000

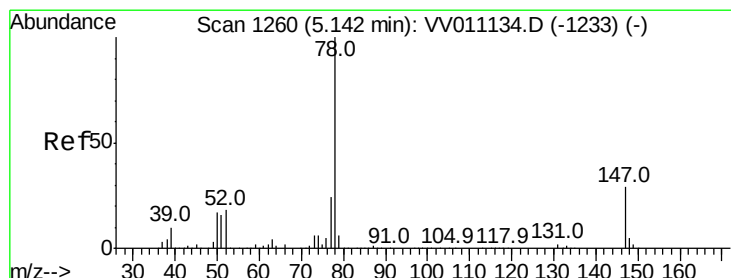
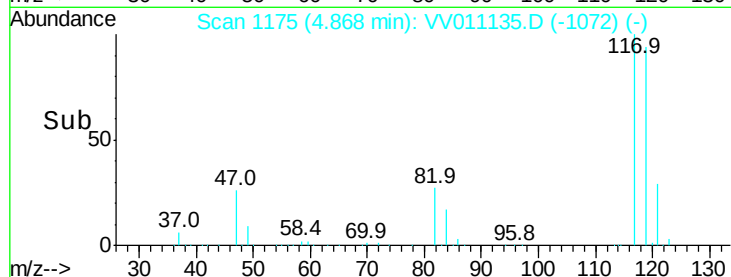
100000

50000

0

4.80 4.90

Time-->



#34

Benzene

Concen: 48.553 ug/L

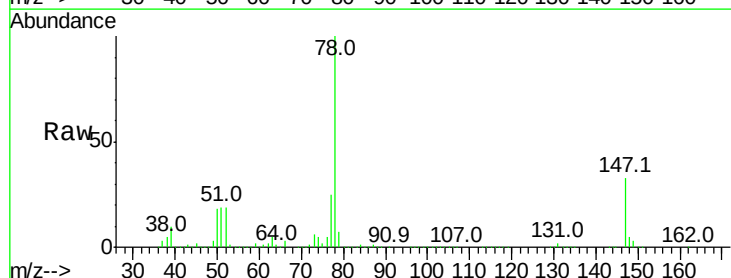
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Tgt Ion: 78 Resp: 992847



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

500000

400000

300000

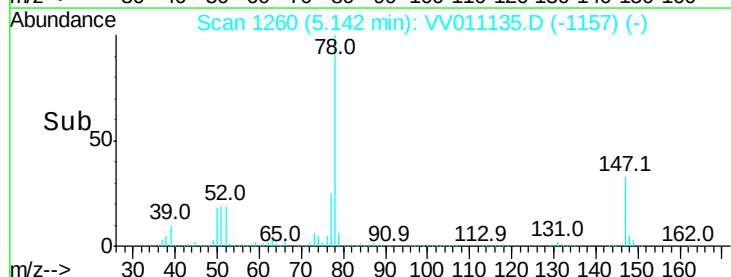
200000

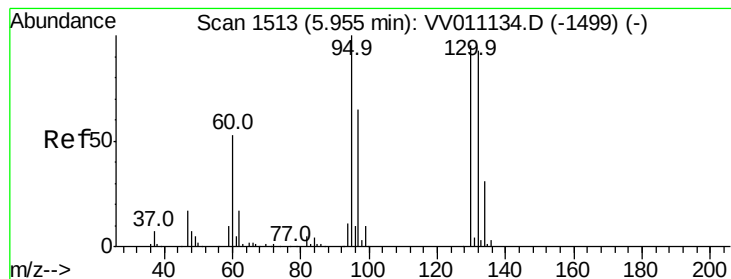
100000

0

5.00 5.10 5.20 5.30

Time-->





#35

Trichloroethene

Concen: 49.106 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 95 Resp: 262258

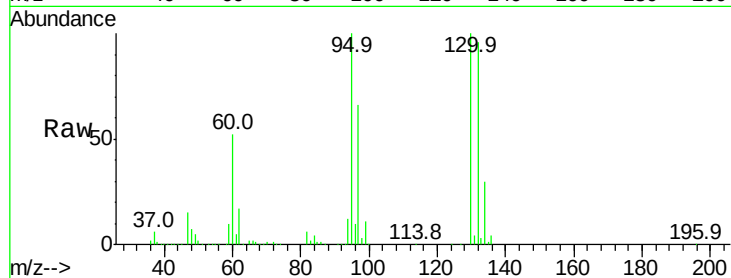
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.5

132 94.1 66.0 122.6

130 97.7 67.4 125.2

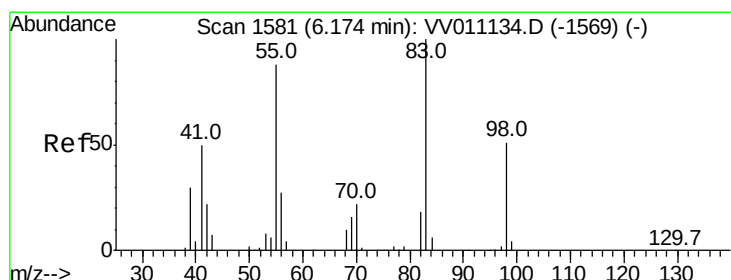
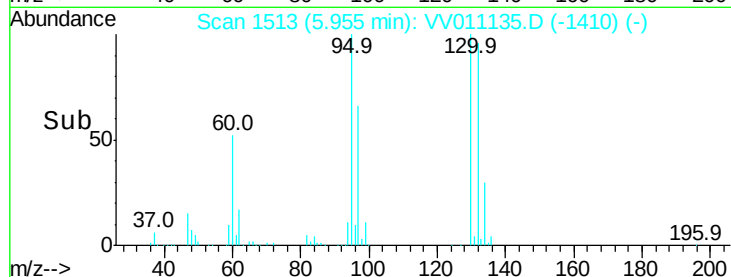
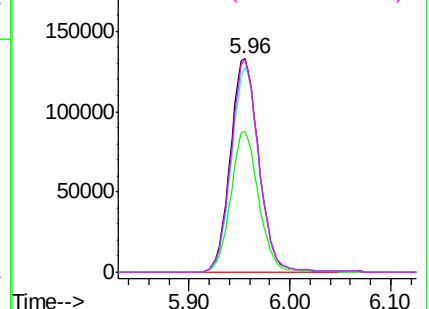


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 46.739 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

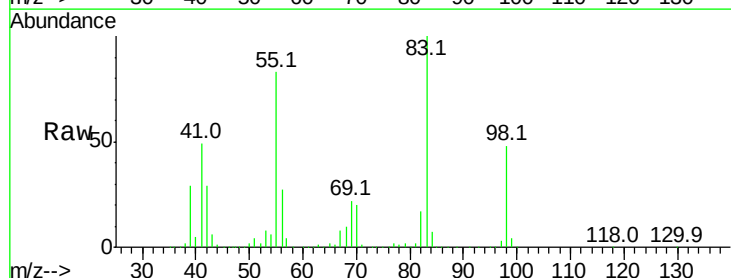
Tgt Ion: 83 Resp: 430712

Ion Ratio Lower Upper

83 100

55 83.4 66.4 99.6

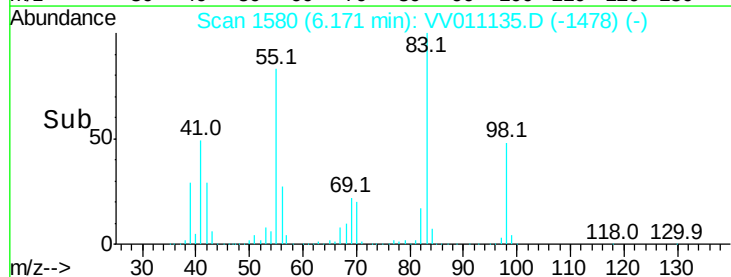
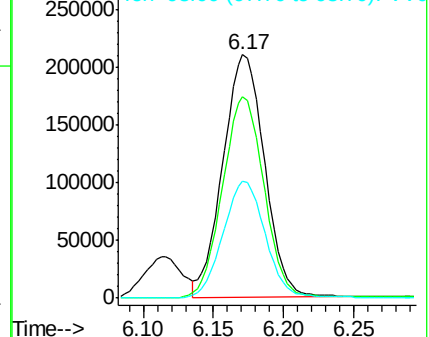
98 48.6 37.9 56.9

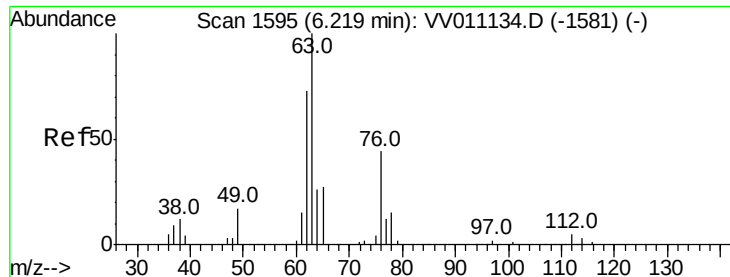


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

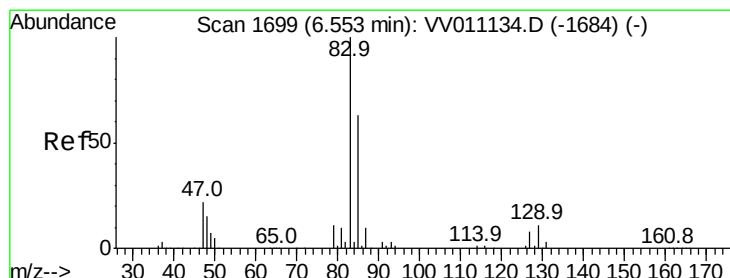
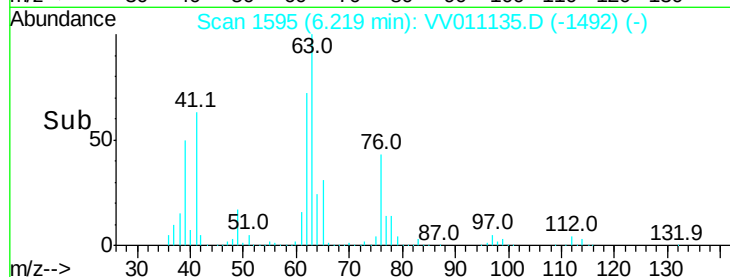
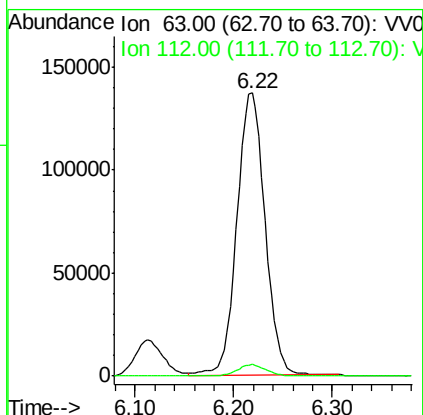
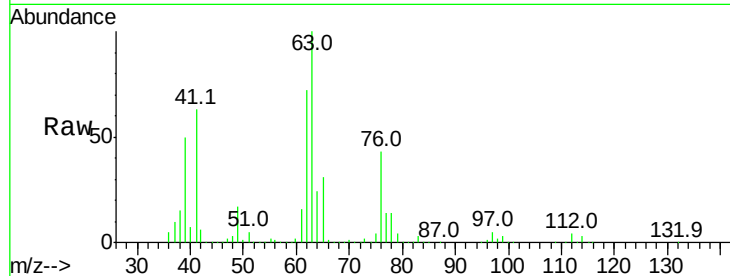




#40
 1,2-Dichloropropane
 Concen: 49.817 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

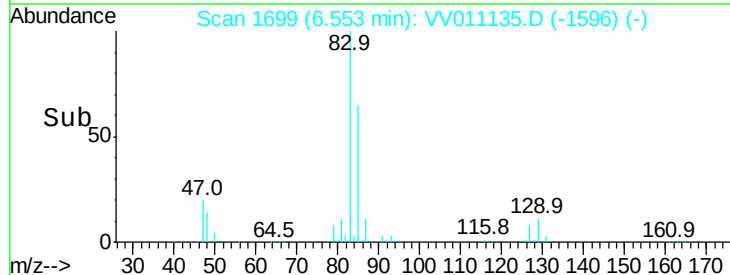
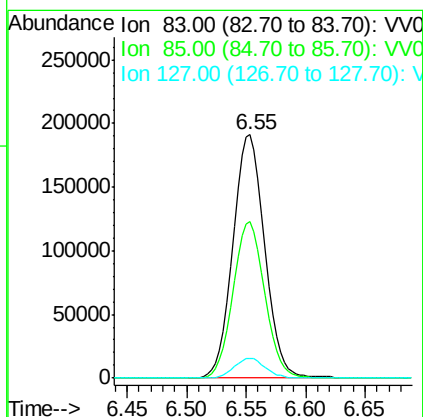
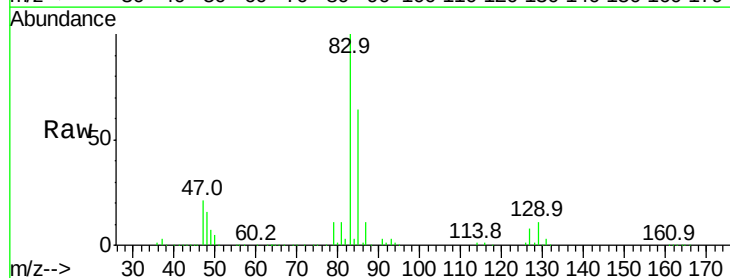
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

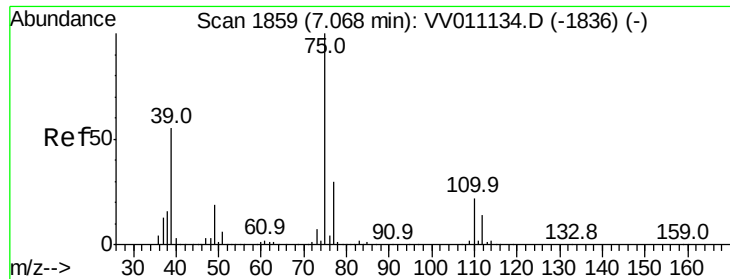
Tgt Ion: 63 Resp: 271485
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#41
 Bromodichloromethane
 Concen: 51.251 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

Tgt Ion: 83 Resp: 354080
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.1 81.9
 127 8.3 6.3 9.5



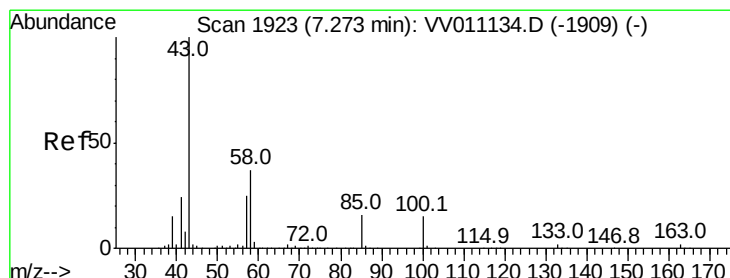
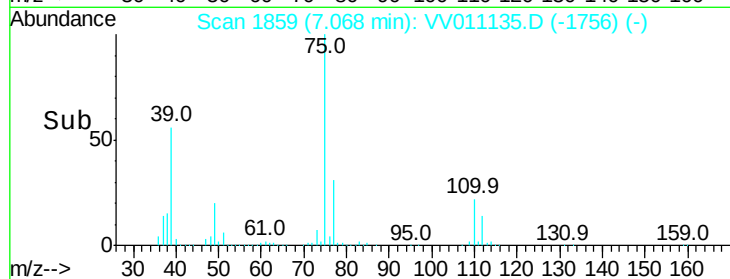
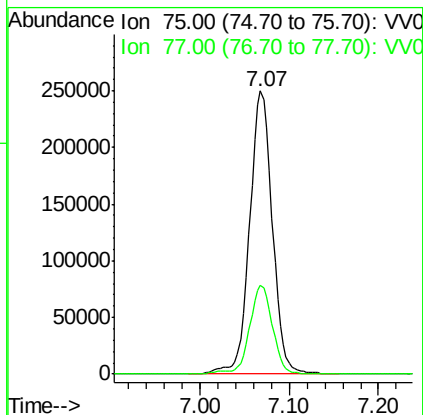
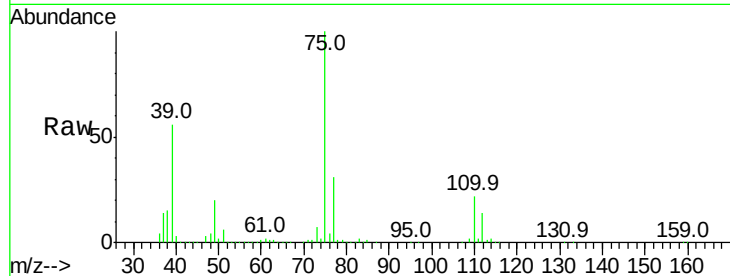


#42

cis-1,3-Dichloropropene
Concen: 50.869 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_V
ClientSampled :
VSTD05070

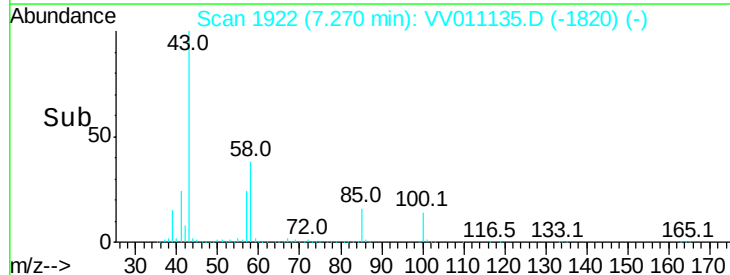
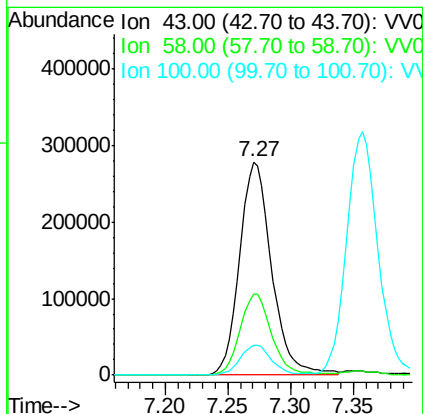
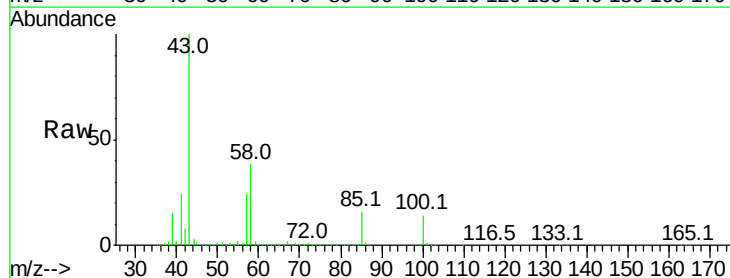
Tgt Ion: 75 Resp: 442913
Ion Ratio Lower Upper
75 100
77 31.2 21.3 39.6

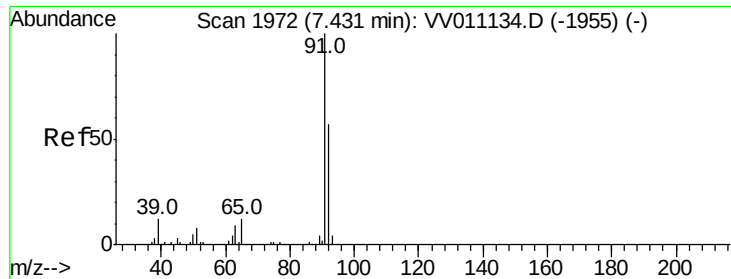


#43

4-Methyl-2-pentanone
Concen: 103.911 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 496619
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4
100 13.9 11.3 16.9





#44

Toluene

Concen: 48.999 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

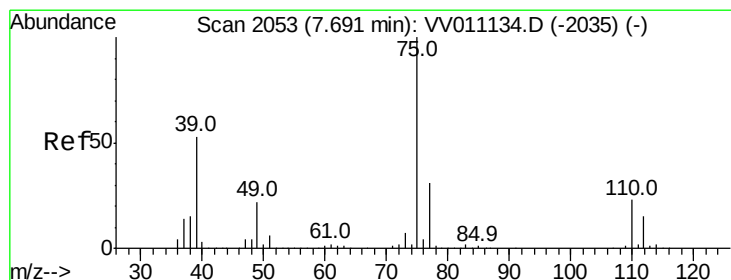
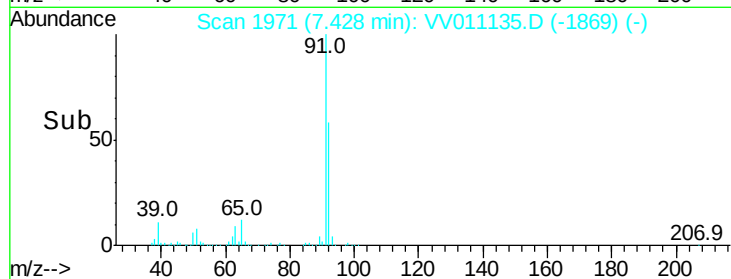
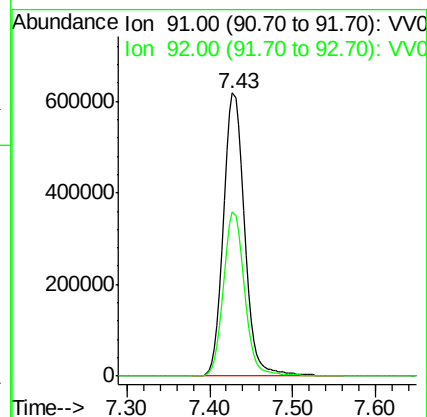
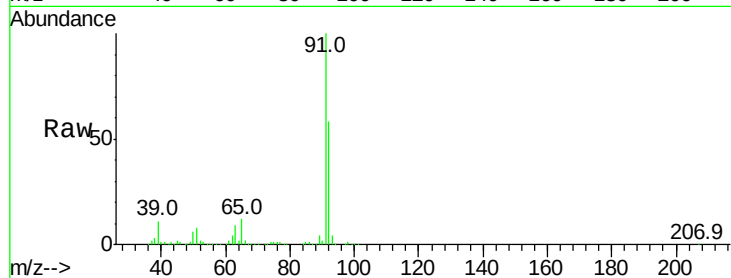
VSTD05070

Tgt Ion: 91 Resp: 1089399

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 52.218 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011135.D

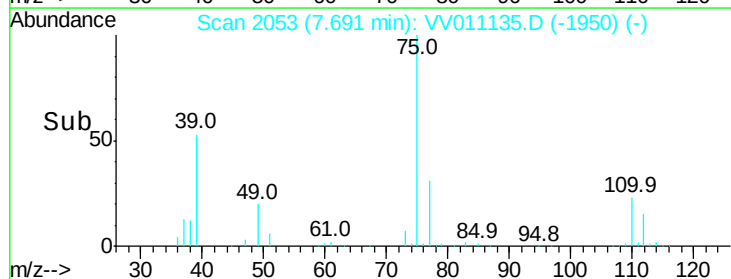
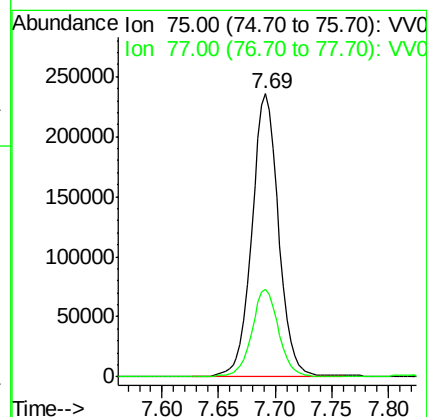
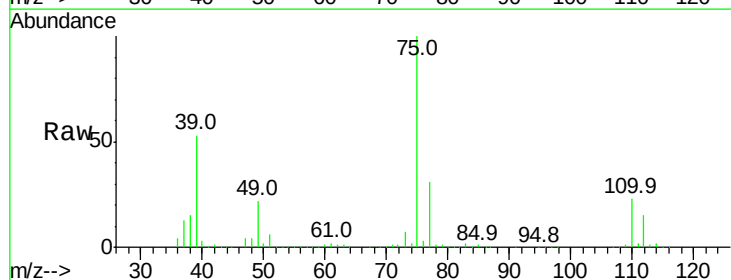
Acq: 30 May 2019 13:54

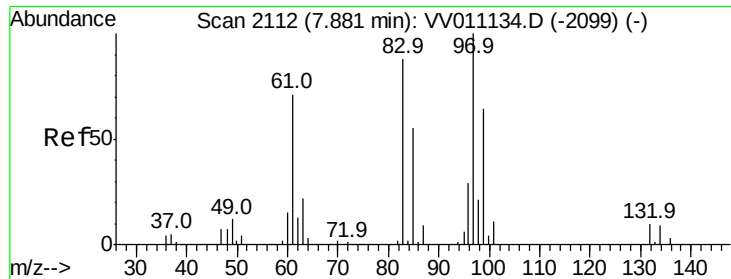
Tgt Ion: 75 Resp: 387961

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1

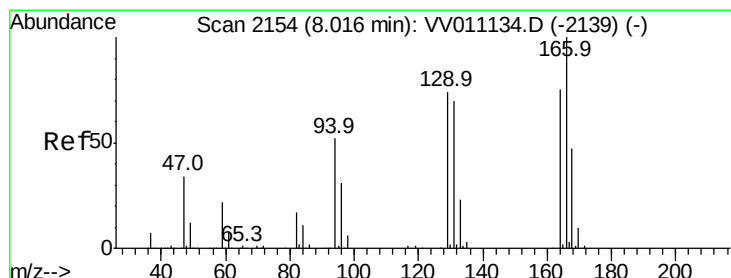
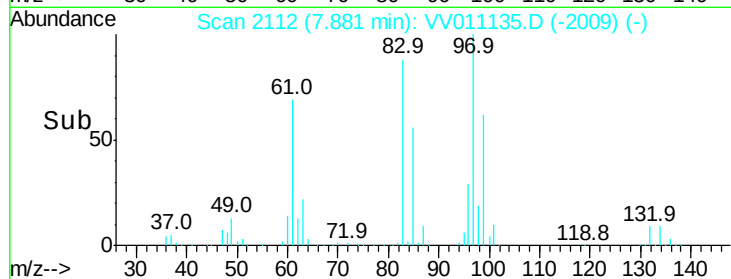
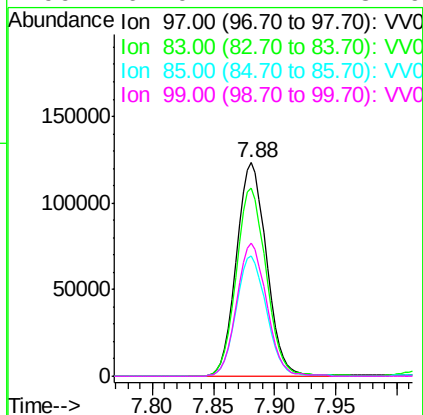
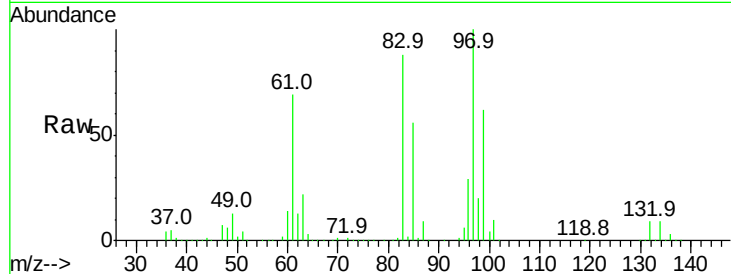




#46
 1,1,2-Trichloroethane
 Concen: 52.235 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

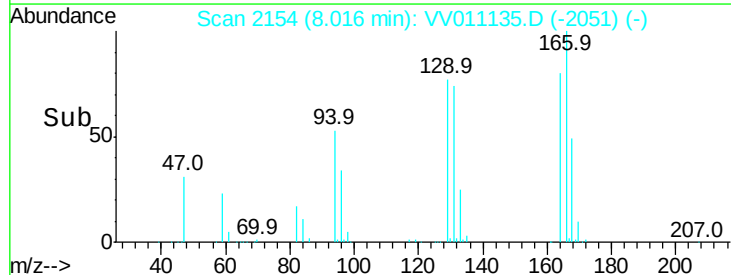
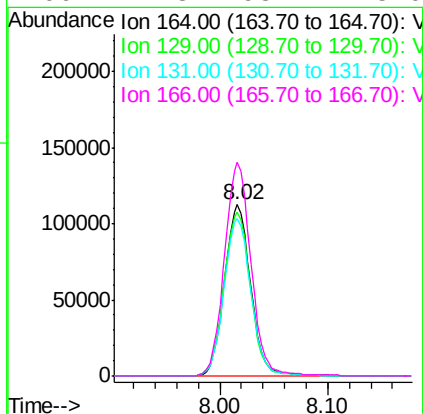
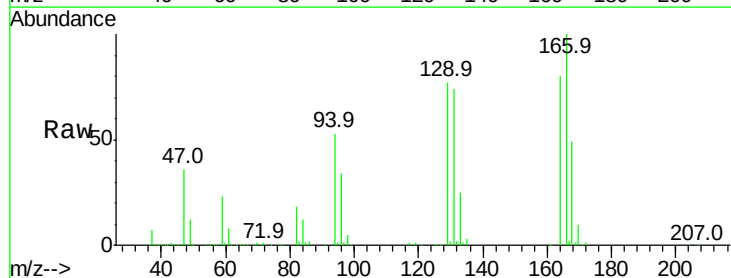
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

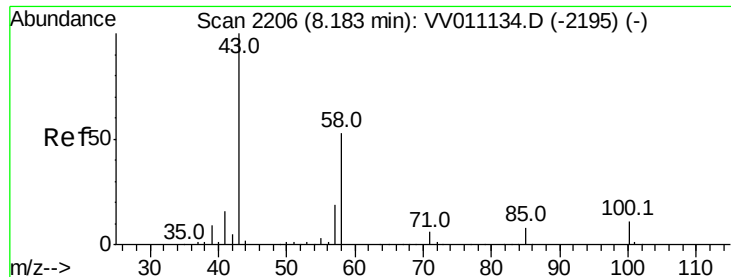
Tgt Ion:	97	Resp:	210976
Ion	Ratio	Lower	Upper
97	100		
83	88.2	61.9	115.1
85	56.4	38.6	71.8
99	62.0	44.7	82.9



#47
 Tetrachloroethene
 Concen: 49.513 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

Tgt Ion:	164	Resp:	190710
Ion	Ratio	Lower	Upper
164	100		
129	96.1	69.1	128.3
131	91.9	65.5	121.6
166	124.8	93.2	173.0

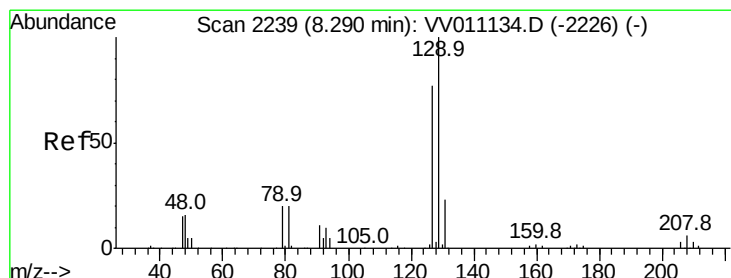
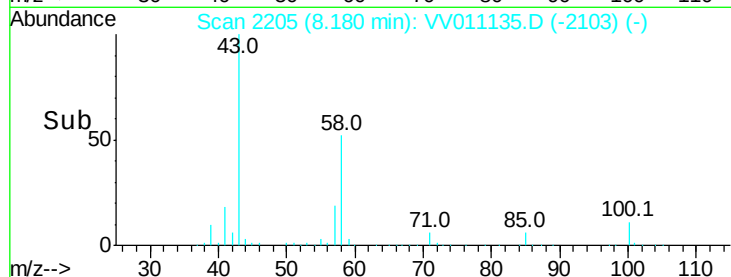
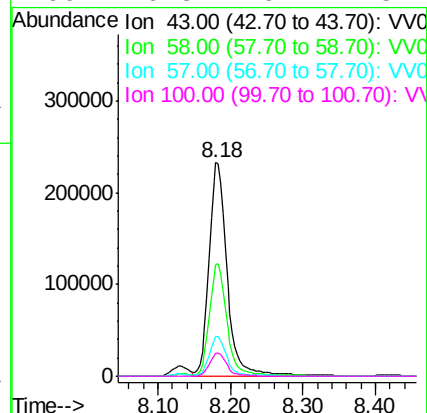
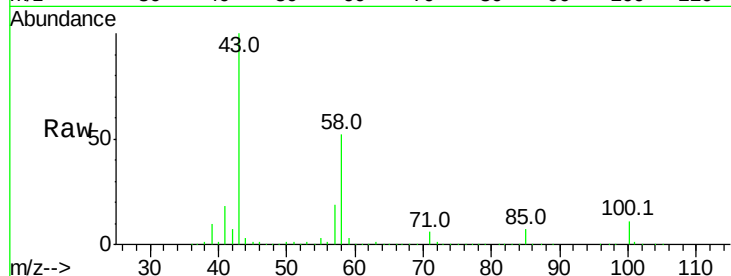




#49
2-Hexanone
Concen: 113.820 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

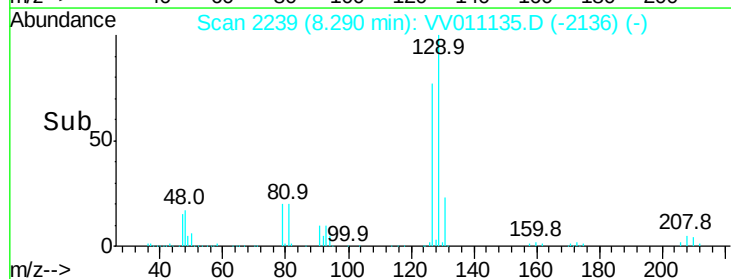
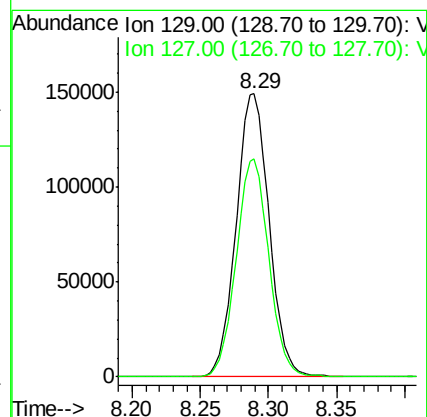
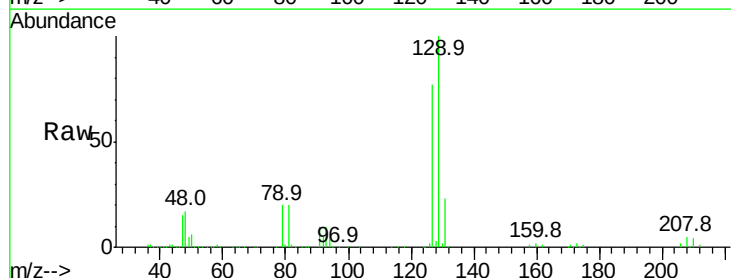
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

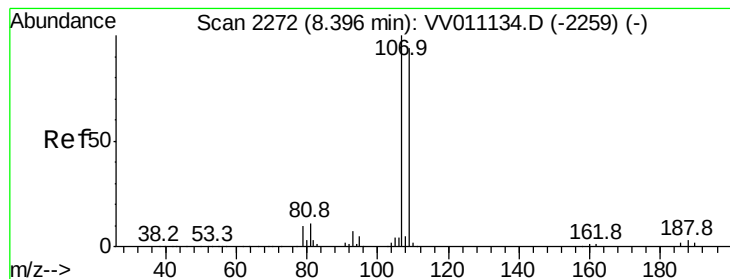
Tgt Ion: 43 Resp: 401174
Ion Ratio Lower Upper
43 100
58 49.6 41.2 61.8
57 17.8 14.3 21.5
100 10.3 9.1 13.7



#50
Dibromochloromethane
Concen: 53.547 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Tgt Ion: 129 Resp: 250582
Ion Ratio Lower Upper
129 100
127 77.2 53.8 99.8





#51

1,2-Dibromoethane

Concen: 53.950 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

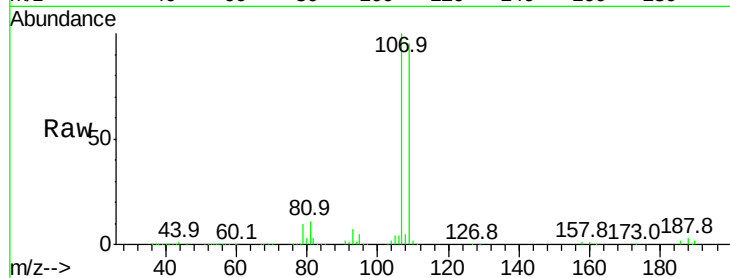
Tgt Ion:107 Resp: 208519

Ion Ratio Lower Upper

107 100

109 95.3 65.5 121.7

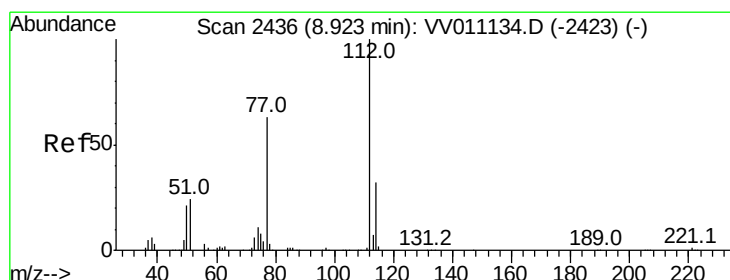
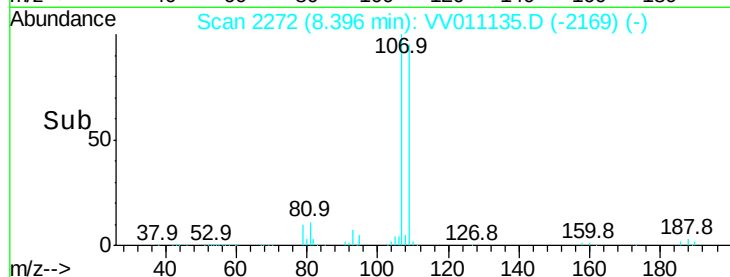
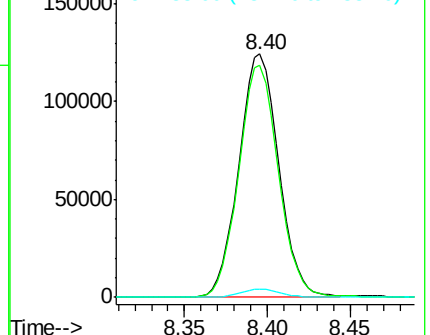
188 3.3 2.6 3.8



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: 50.550 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

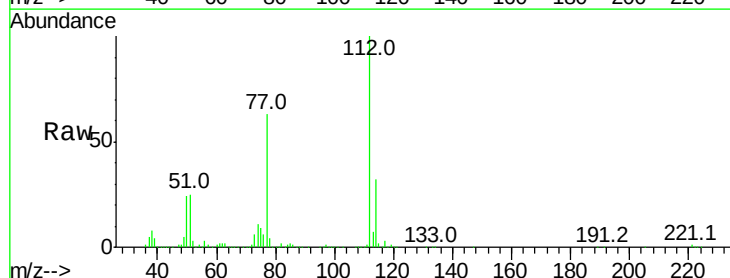
Tgt Ion:112 Resp: 696506

Ion Ratio Lower Upper

112 100

77 63.0 50.8 76.2

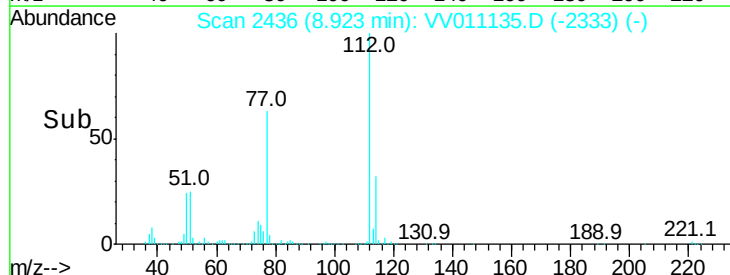
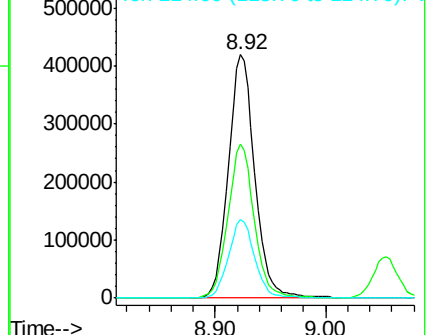
114 32.0 22.6 42.0

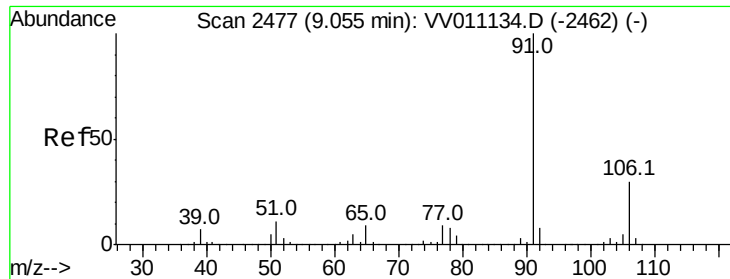


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

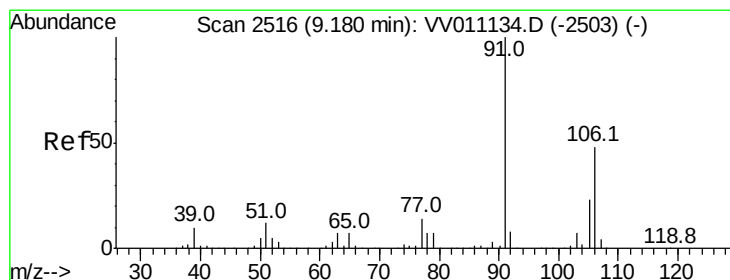
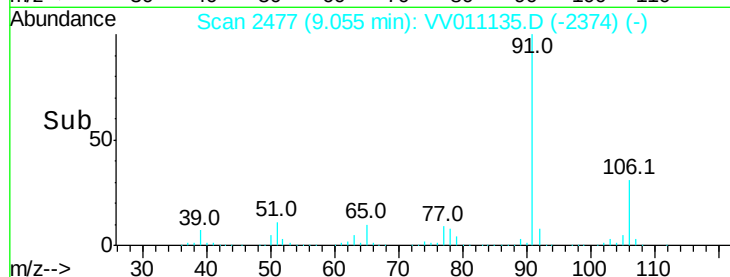
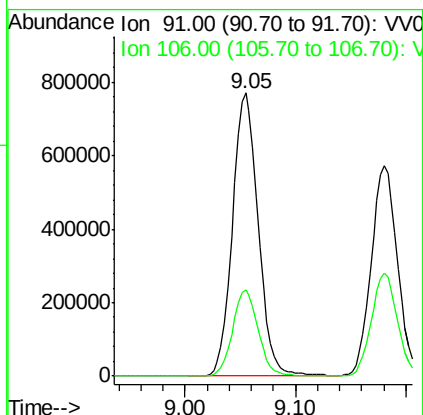
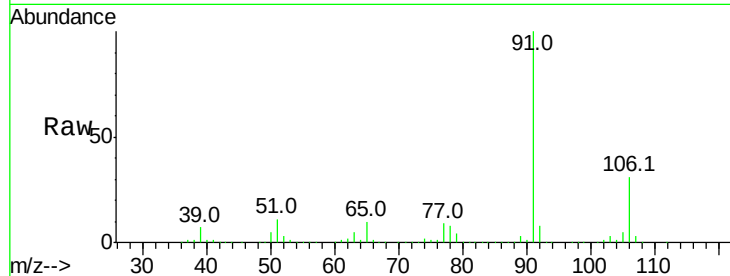




#53
Ethylbenzene
Concen: 49.213 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

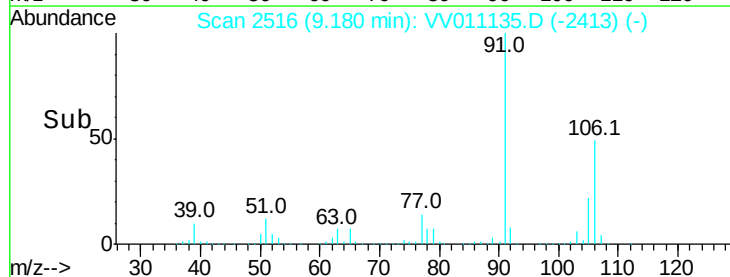
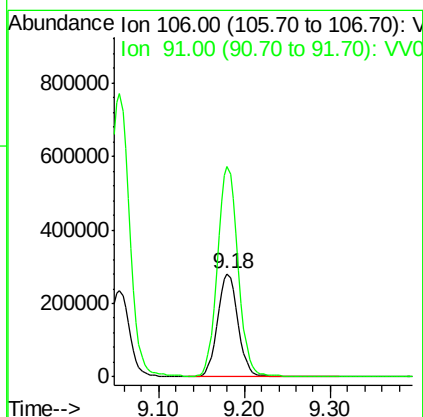
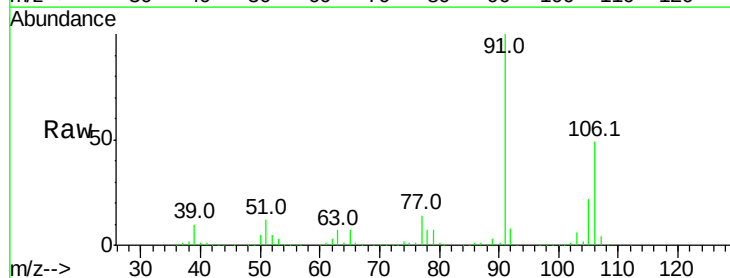
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

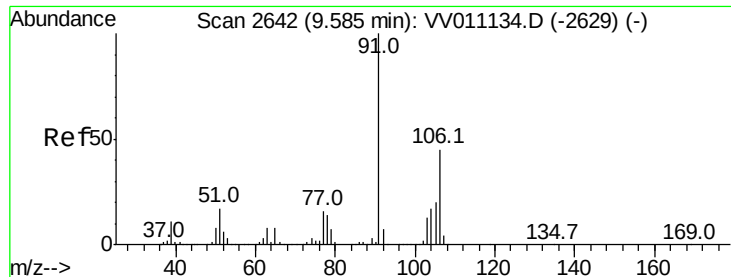
Tgt Ion: 91 Resp: 1247362
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#54
m,p-Xylene
Concen: 49.390 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011135.D
Acq: 30 May 2019 13:54

Tgt Ion: 106 Resp: 466300
Ion Ratio Lower Upper
106 100
91 204.8 145.3 269.9





#55

o-xylene

Concen: 49.736 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

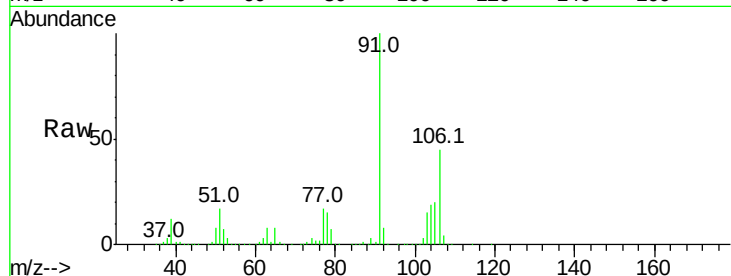
VSTD05070

Tgt Ion:106 Resp: 456285

Ion Ratio Lower Upper

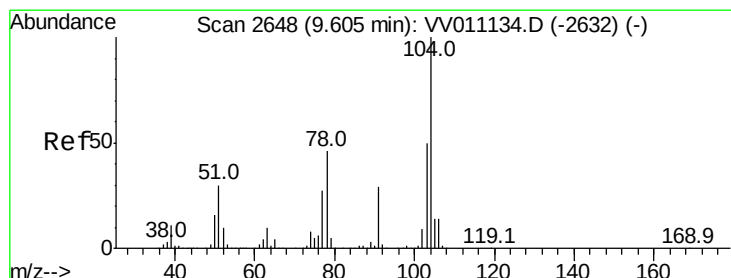
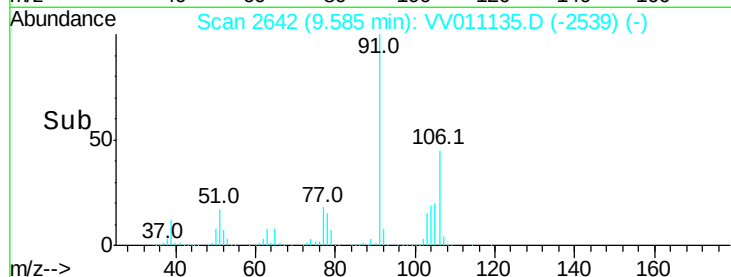
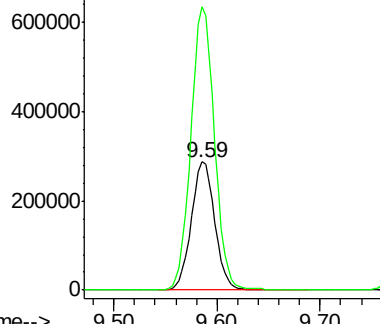
106 100

91 221.1 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 51.659 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011135.D

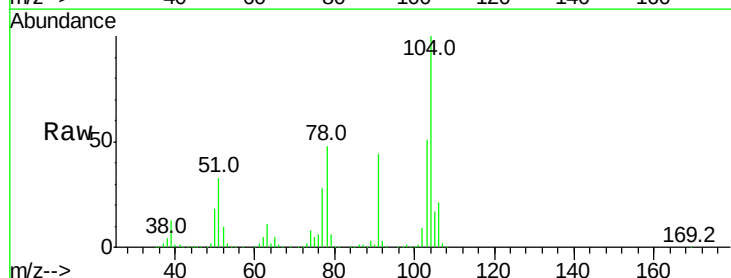
Acq: 30 May 2019 13:54

Tgt Ion:104 Resp: 803578

Ion Ratio Lower Upper

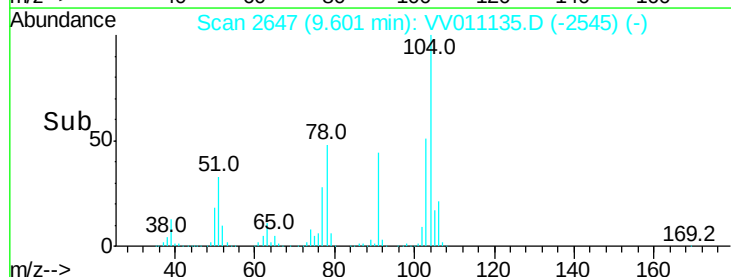
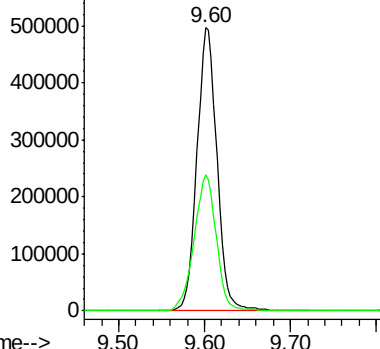
104 100

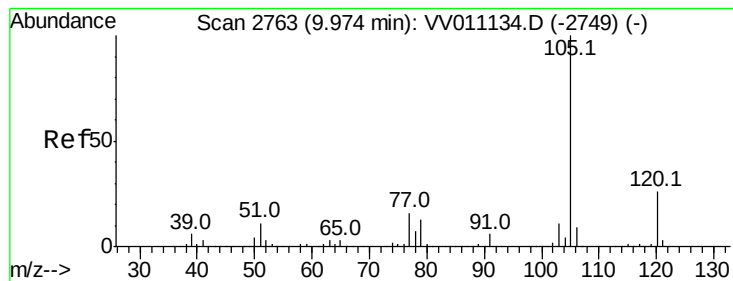
78 48.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 50.055 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

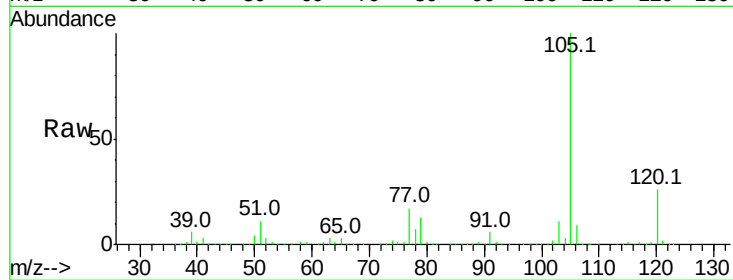
Tgt Ion:105 Resp: 1225562

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

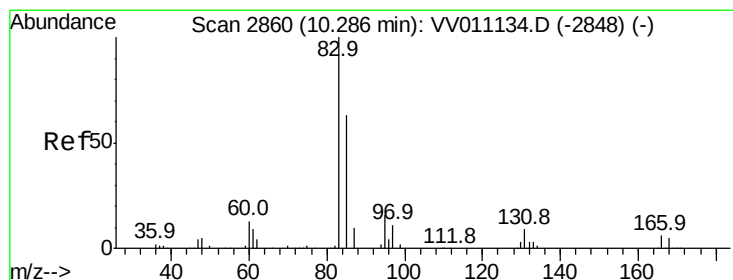
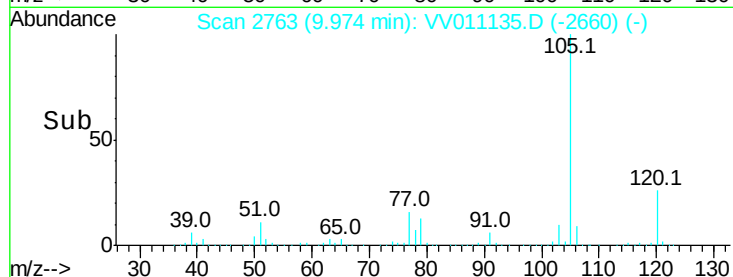
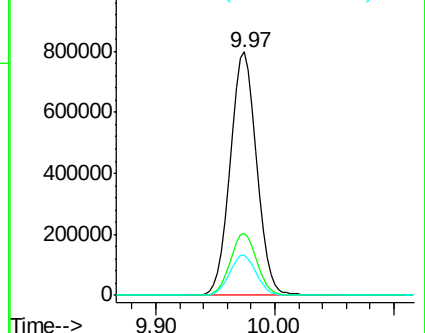
77 16.7 13.3 19.9



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: 53.610 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

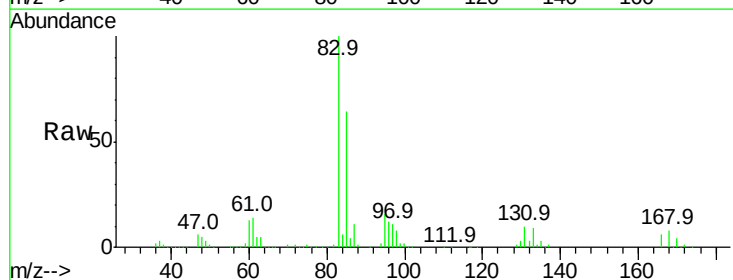
Tgt Ion: 83 Resp: 285252

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

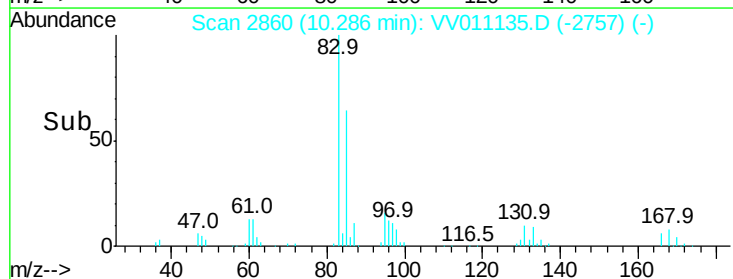
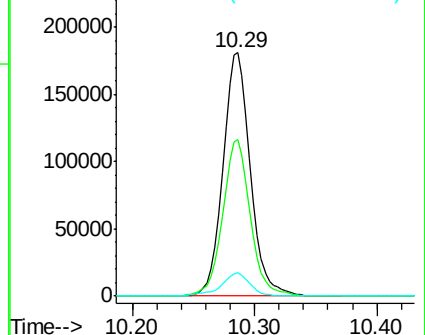
131 9.5 7.5 11.3

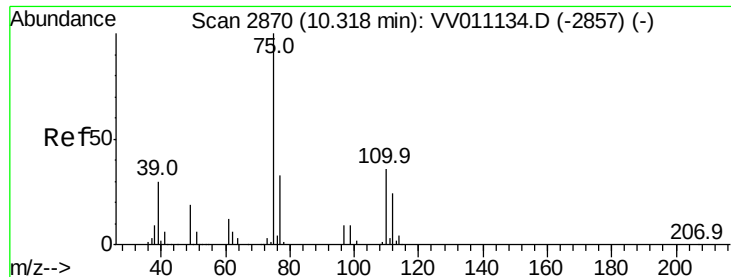


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.390 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

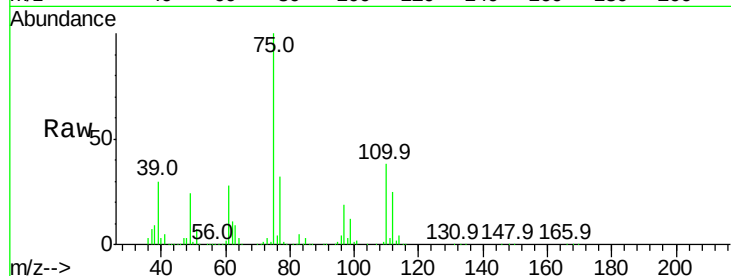
VSTD05070

Tgt Ion: 75 Resp: 221170

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV011134.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011134.D (-2857) (-)

10.32

150000

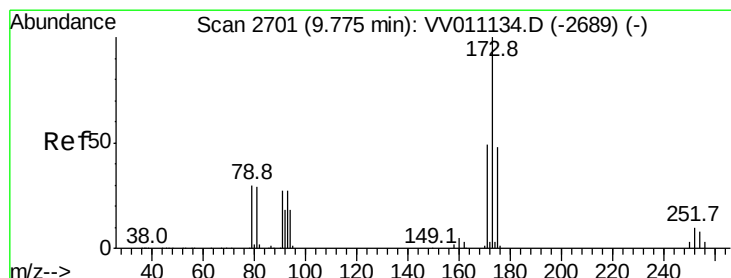
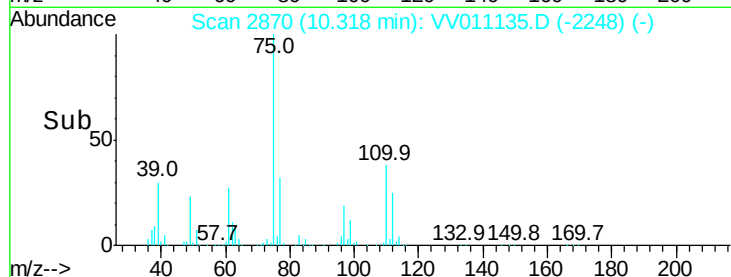
100000

50000

0

10.30 10.32 10.34

Time-->



#62

Bromoform

Concen: 51.325 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

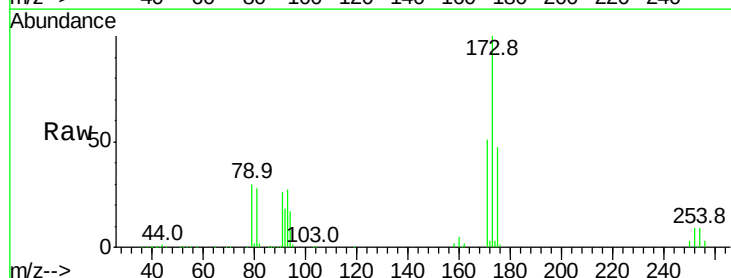
Tgt Ion: 173 Resp: 144429

Ion Ratio Lower Upper

173 100

175 47.3 38.1 57.1

254 8.8 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): VV011134.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV011134.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV011134.D (-2689) (-)

9.77

120000

100000

80000

60000

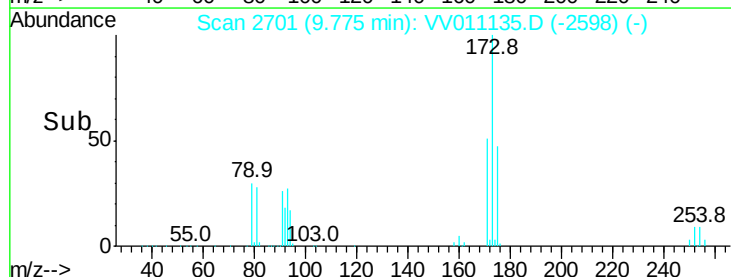
40000

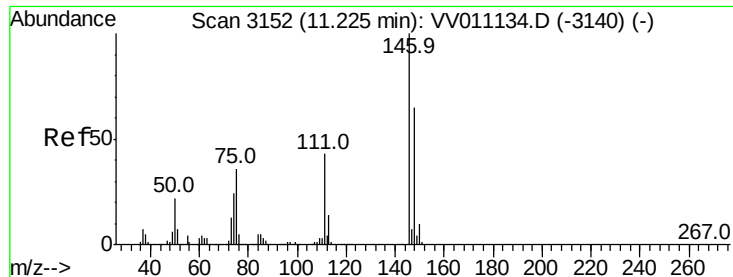
20000

0

9.70 9.75 9.80 9.85

Time-->





#63

1,3-Dichlorobenzene

Concen: 48.663 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

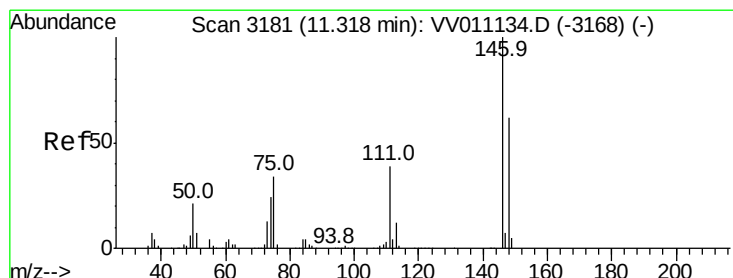
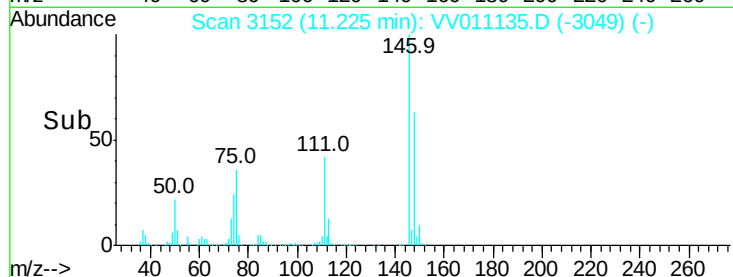
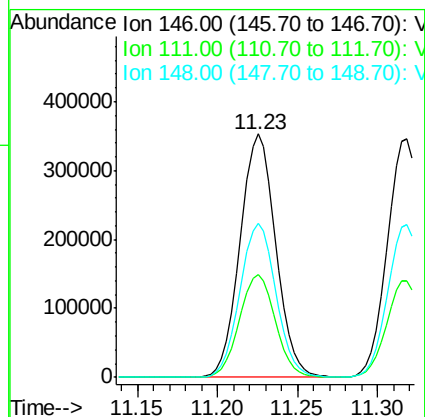
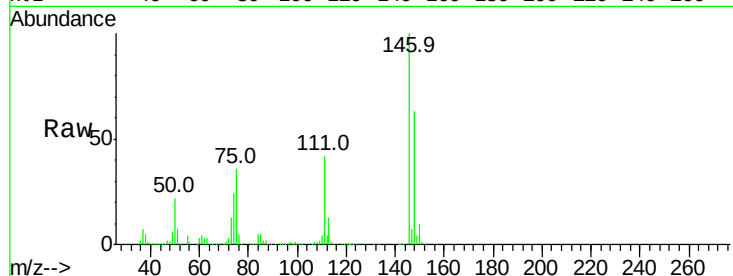
Tgt Ion:146 Resp: 535534

Ion Ratio Lower Upper

146 100

111 42.3 29.9 55.5

148 63.4 45.4 84.2



#64

1,4-Dichlorobenzene

Concen: 49.574 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

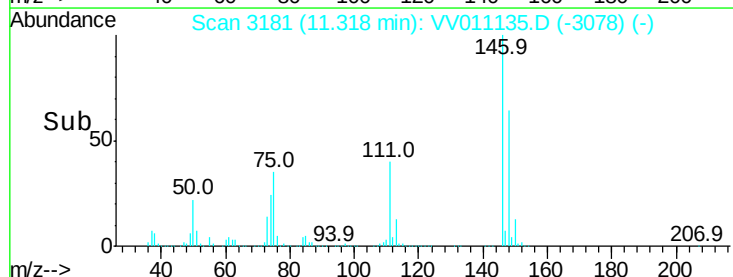
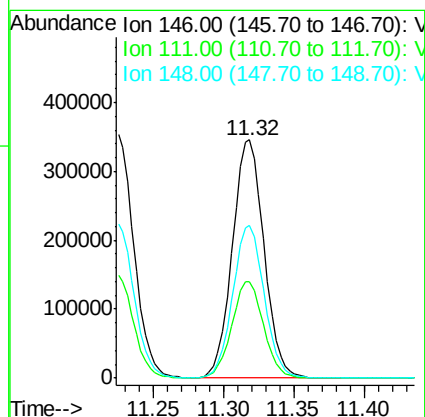
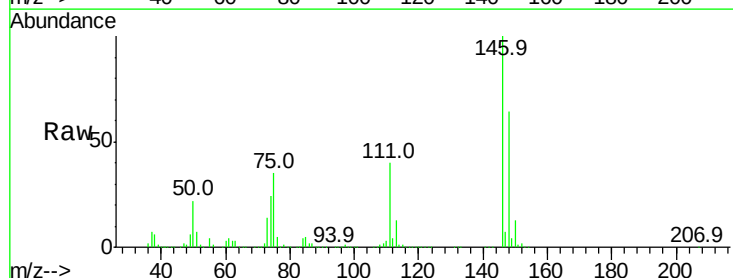
Tgt Ion:146 Resp: 542909

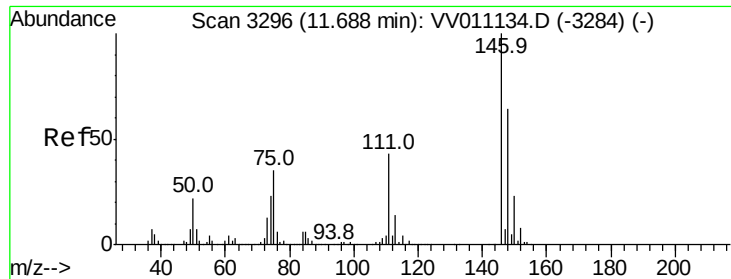
Ion Ratio Lower Upper

146 100

111 40.4 27.4 51.0

148 63.9 43.7 81.1

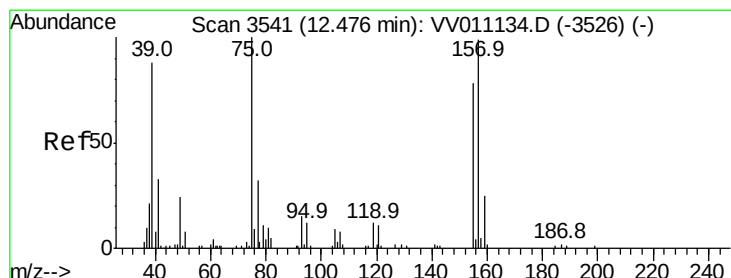
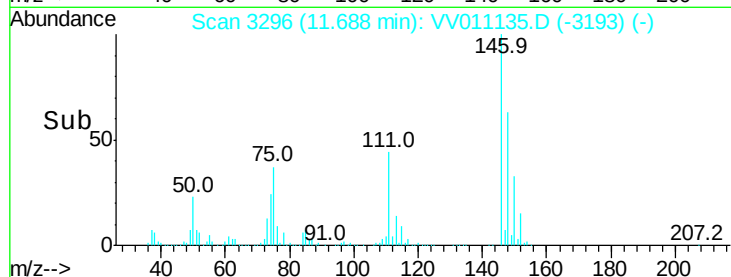
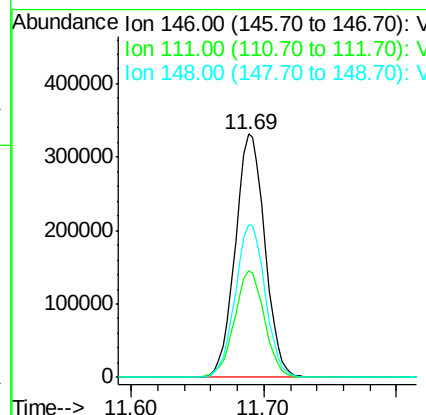
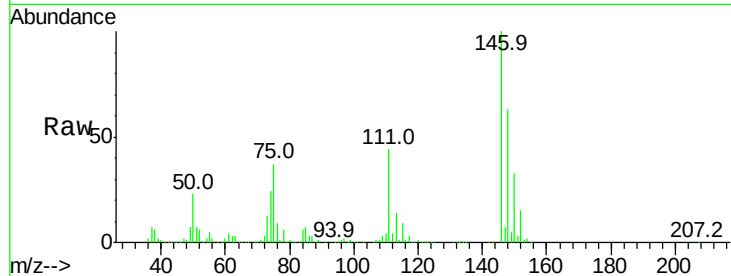




#65
 1,2-Dichlorobenzene
 Concen: 49.912 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

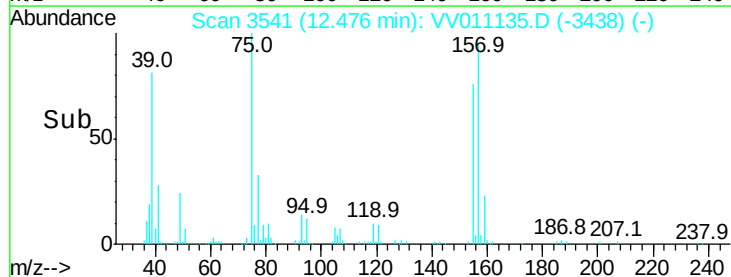
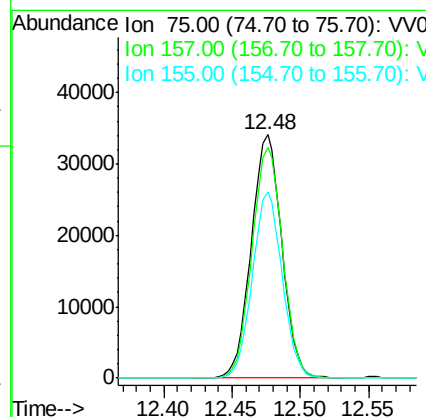
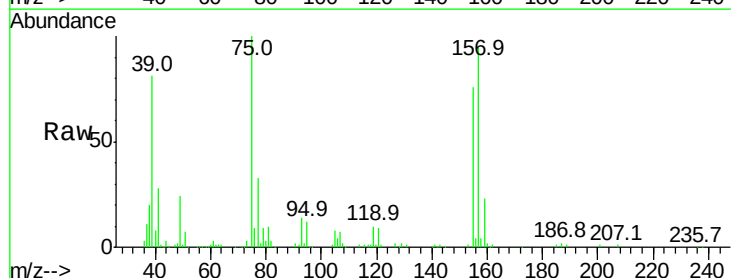
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

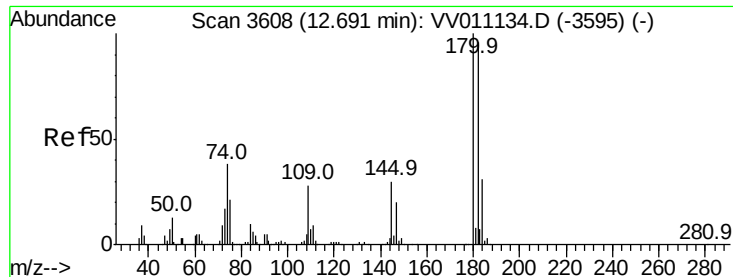
Tgt Ion: 146 Resp: 513275
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.8 52.2
 148 62.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.602 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

Tgt Ion: 75 Resp: 53118
 Ion Ratio Lower Upper
 75 100
 157 94.7 79.6 119.4
 155 76.4 62.4 93.6

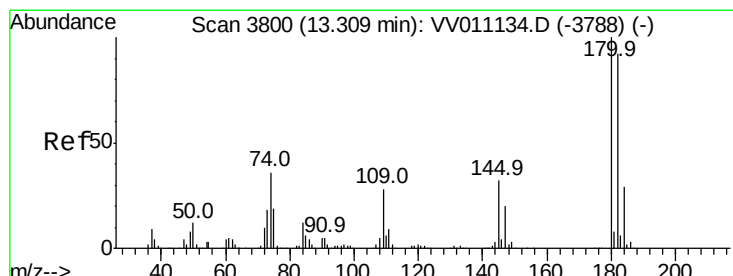
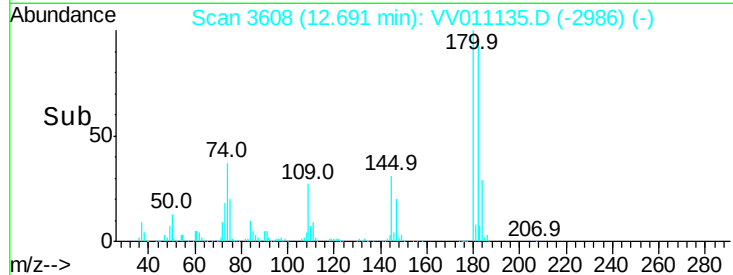
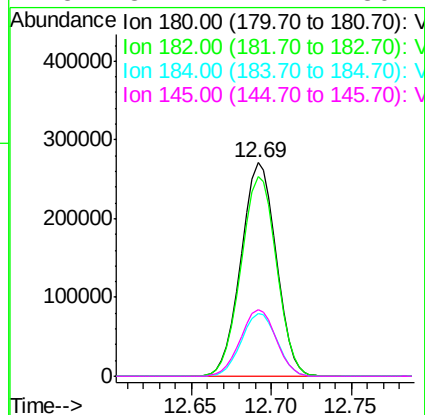
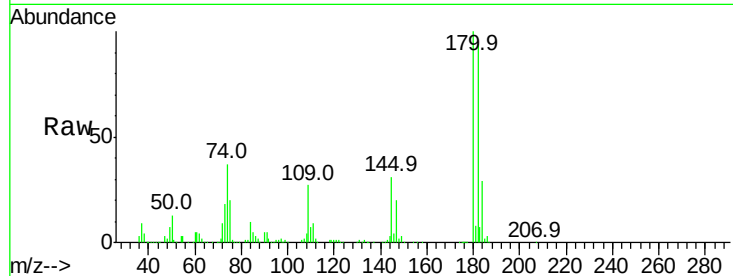




#67
 1,3,5-Trichlorobenzene
 Concen: 49.892 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

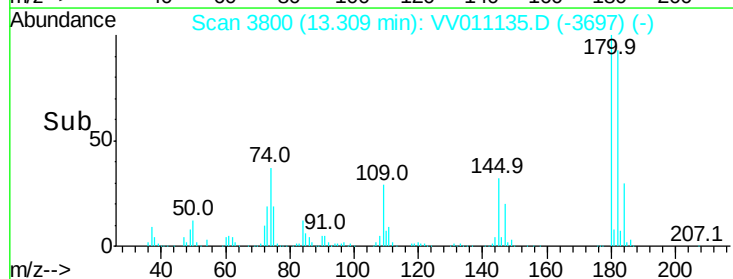
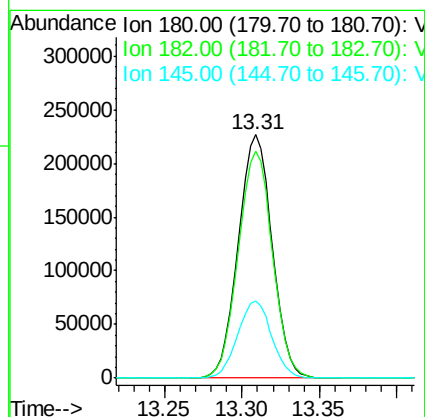
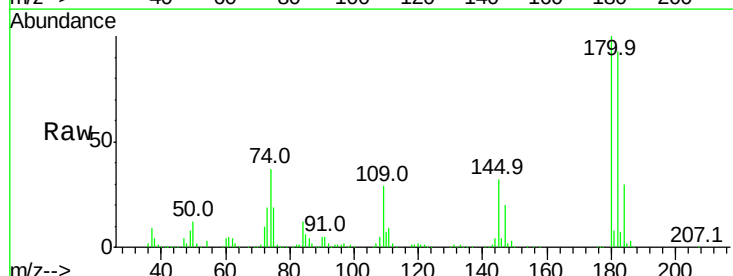
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

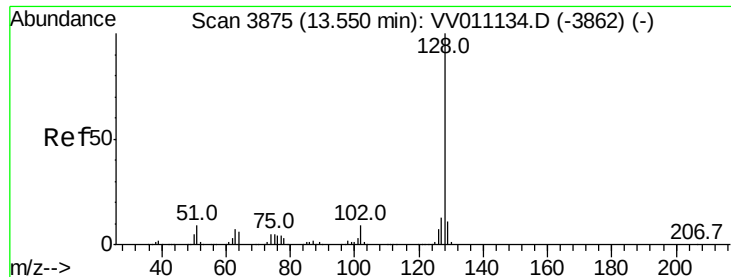
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	403816		
182	94.8	75.3	112.9	
184	29.9	24.3	36.5	
145	31.7	24.2	36.4	



#68
 1,2,4-trichlorobenzene
 Concen: 53.455 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011135.D
 Acq: 30 May 2019 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	344193		
182	94.4	75.4	113.0	
145	31.8	25.7	38.5	





#69

Naphthalene

Concen: 59.007 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

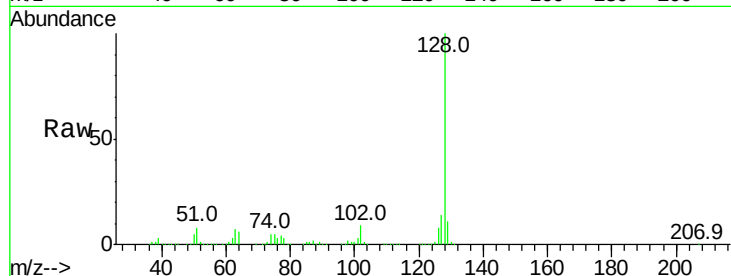
Tgt Ion:128 Resp: 783759

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

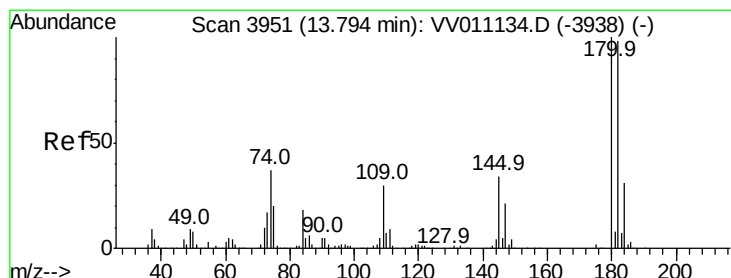
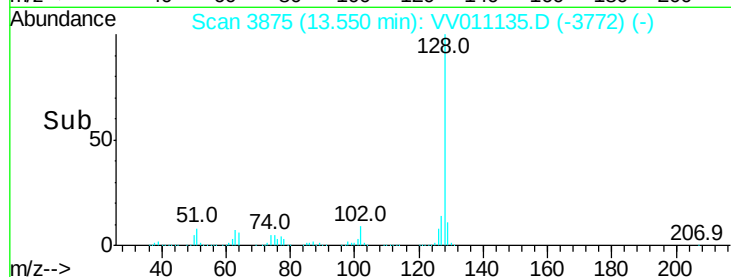
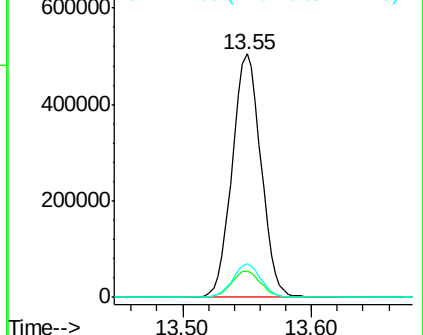
127 13.4 10.6 16.0



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: 54.254 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011135.D

Acq: 30 May 2019 13:54

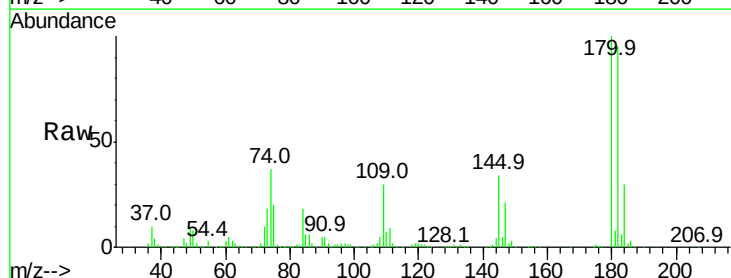
Tgt Ion:180 Resp: 319679

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

145 33.9 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

