

Data File : VV014308.D
Acq On : 15 Jan 2020 11:23
Operator : SY/MD
Sample : VSTD02034
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

Quant Time: Jan 16 01:55:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR011520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 16 01:51:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	932003	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	849119	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	396536	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1144109	21.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	894028	23.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1667170	17.71	ug/L	0.00
20) 2-Butanone-d5	3.95	46	2937789	240.48	ug/L	0.00
24) Chloroform-d	4.40	84	2366619	20.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1136678	19.07	ug/L	0.00
32) Benzene-d6	5.09	84	4906494	22.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1527152	24.64	ug/L	0.00
41) Toluene-d8	7.35	98	4423420	21.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	637320	23.90	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	2478451	256.75	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	1016132	22.31	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	1385845	19.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1433716	14.385	ug/L	98
3) Chloromethane	1.25	50	1345274	21.225	ug/L	98
5) Vinyl chloride	1.32	62	1238242	19.566	ug/L	99
6) Bromomethane	1.54	94	711221	19.148	ug/L	99
8) Chloroethane	1.60	64	654977	19.110	ug/L	99
9) Trichlorofluoromethane	1.77	101	1444935	14.204	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	786059	17.068	ug/L	99
12) 1,1-Dichloroethene	2.14	96	746794	17.419	ug/L	99
13) Acetone	2.24	43	1545505	223.075	ug/L #	51
14) Carbon disulfide	2.32	76	3716781	27.499	ug/L	99
15) Methyl Acetate	2.47	43	447054	28.150	ug/L	98
16) Methylene chloride	2.53	84	1218965	24.136	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	2722336	19.837	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	1212607	19.436	ug/L	96
19) 1,1-Dichloroethane	3.23	63	2284314	20.360	ug/L	99
21) 2-Butanone	4.04	43	2922295	217.332	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	1311384	19.672	ug/L #	99
23) Bromochloromethane	4.30	128	490016	17.313	ug/L	99
25) Chloroform	4.42	83	2211145	16.335	ug/L	100
27) 1,2-Dichloroethane	5.17	62	1286422	17.130	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	1929064	18.496	ug/L	99
30) Cyclohexane	4.72	56	2323543	24.233	ug/L	99
31) Carbon tetrachloride	4.87	117	1672603	18.071	ug/L	98
33) Benzene	5.14	78	4967328	21.004	ug/L	100
34) Trichloroethene	5.96	95	1299600	19.616	ug/L	99
35) Methylcyclohexane	6.17	83	2313243	21.746	ug/L	99
37) 1,2-Dichloropropane	6.22	63	1256624	22.669	ug/L	100
38) Bromodichloromethane	6.55	83	1585977	20.659	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	1993125	22.872	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	7129888	223.879	ug/L	99

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42) Toluene	7.43	91	5202187	20.102	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	1533917	22.057	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	779322	19.164	ug/L	97
47) Tetrachloroethene	8.01	164	913362	16.639	ug/L	98
48) 2-Hexanone	8.18	43	5056777	225.699	ug/L	98
49) Dibromochloromethane	8.29	129	967629	19.442	ug/L	99
50) 1,2-Dibromoethane	8.39	107	739099	19.403	ug/L	98
51) Chlorobenzene	8.92	112	3209087	18.782	ug/L	98
52) Ethylbenzene	9.05	91	5948511	20.099	ug/L	99
53) m,p-xylene	9.18	106	2246930	20.207	ug/L	100
54) o-xylene	9.58	106	2126275	19.969	ug/L	100
55) Styrene	9.60	104	3590560	20.165	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	953122	21.178	ug/L	100
59) Bromoform	9.77	173	490074	20.194	ug/L	97
60) Isopropylbenzene	9.97	105	5708921	21.665	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	685312	22.291	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	4929346	22.559	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	4911442	22.731	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	2417151	19.068	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	2385120	18.592	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	2146536	18.700	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	162433	24.878	ug/L	94
69) 1,3,5-Trichlorobenzene	12.69	180	1788511	17.411	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	1525936	18.527	ug/L	100
71) Naphthalene	13.54	128	2898271	23.637	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	1302888	17.969	ug/L	99

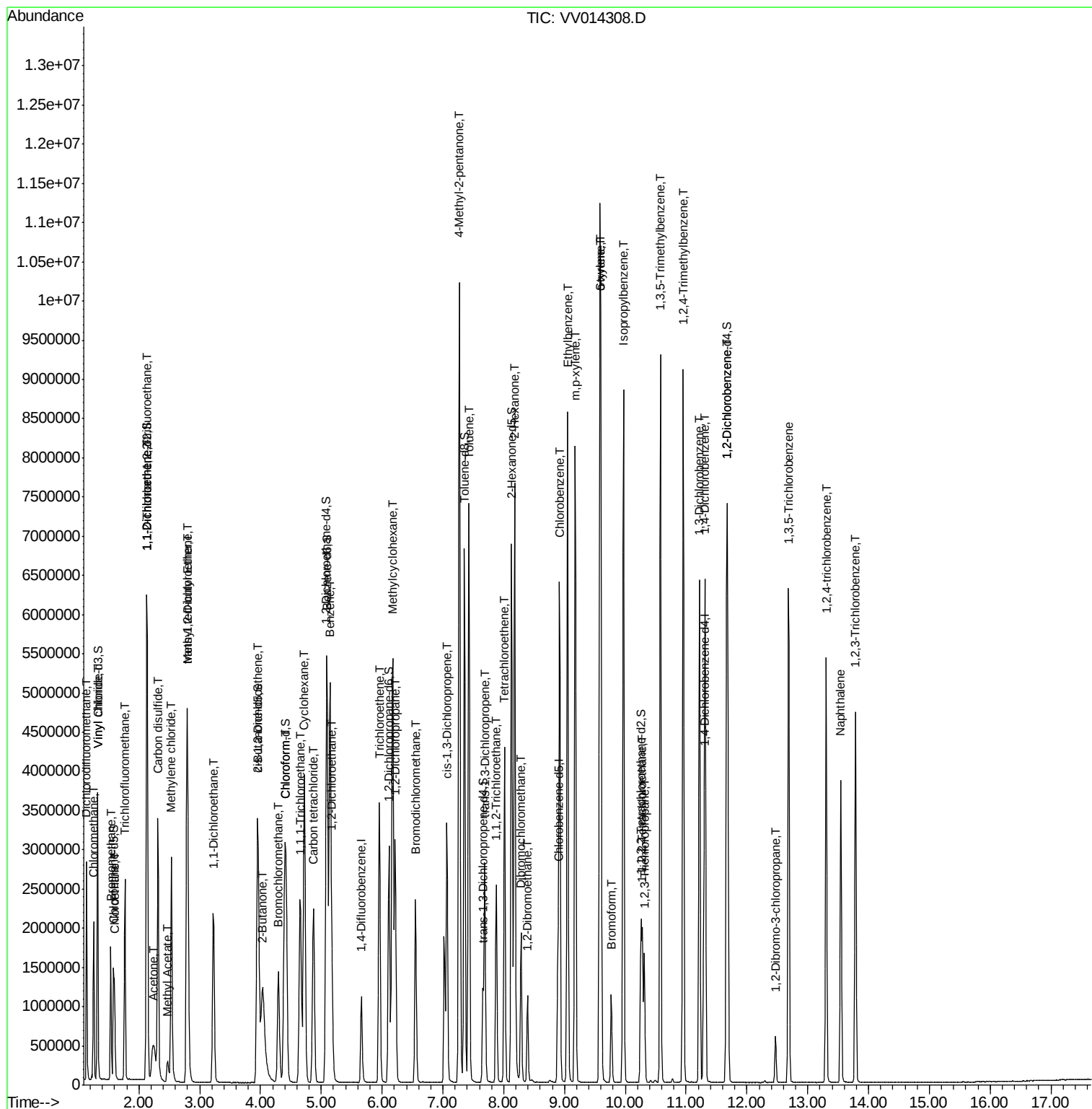
(#) = qualifier out of range (m) = manual integration (+) = signals summed

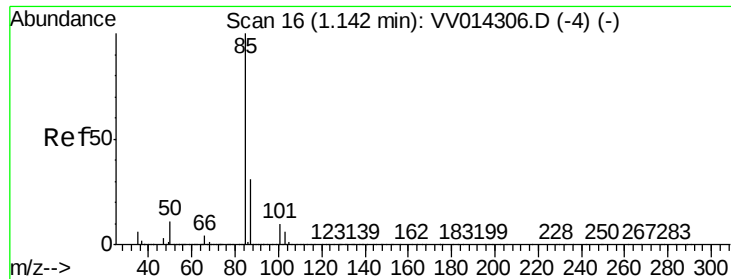
Data File : VV014308.D

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#2

Dichlorodifluoromethane

Concen: 14.385 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

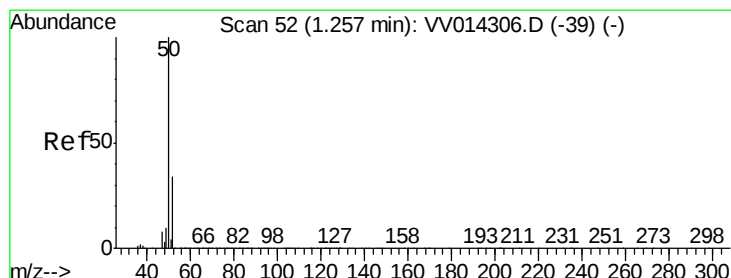
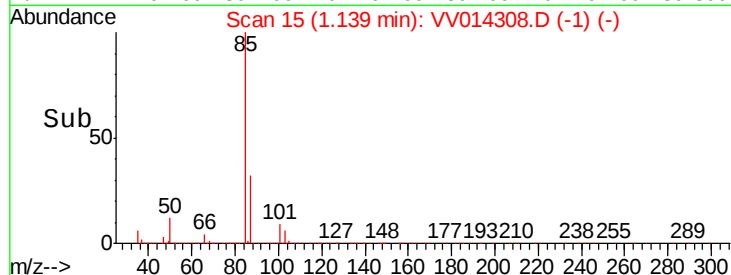
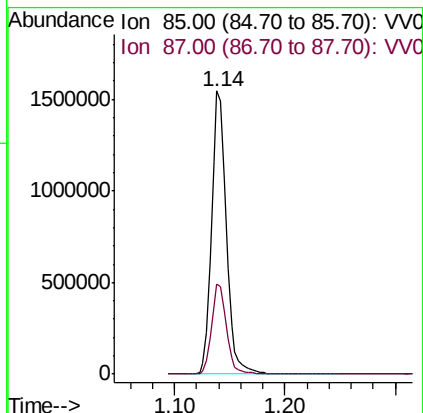
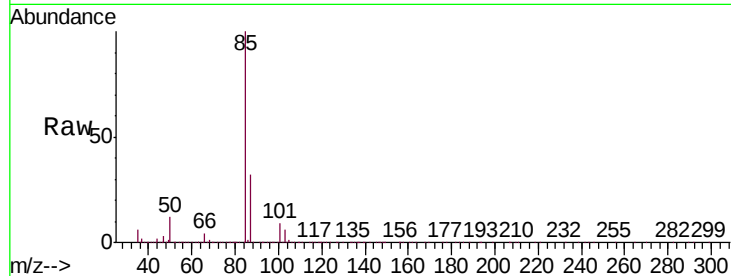
VSTD020345

Tgt Ion: 85 Resp: 1433716

Ion Ratio Lower Upper

85 100

87 32.1 24.9 37.3



#3

Chloromethane

Concen: 21.225 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014308.D

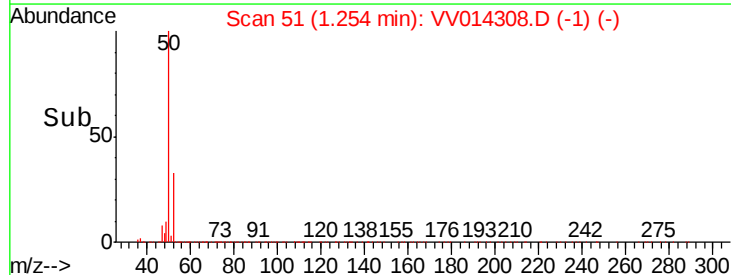
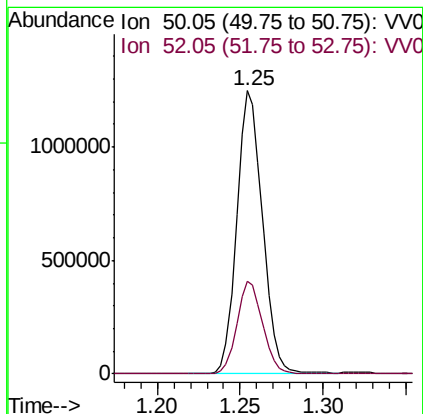
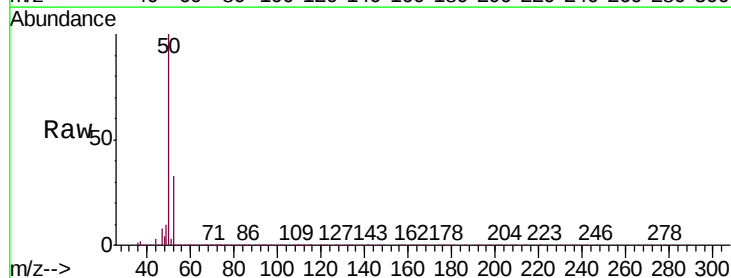
Acq: 15 Jan 2020 11:23

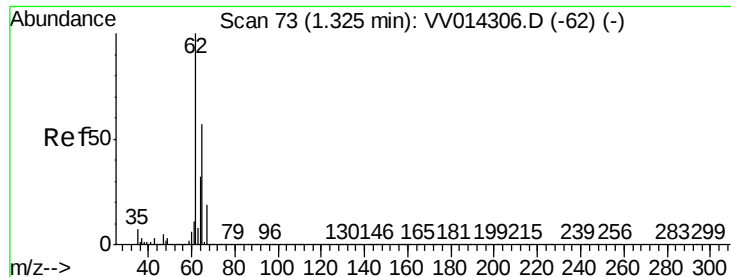
Tgt Ion: 50 Resp: 1345274

Ion Ratio Lower Upper

50 100

52 32.7 23.5 43.7





#5

Vinyl chloride

Concen: 19.566 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

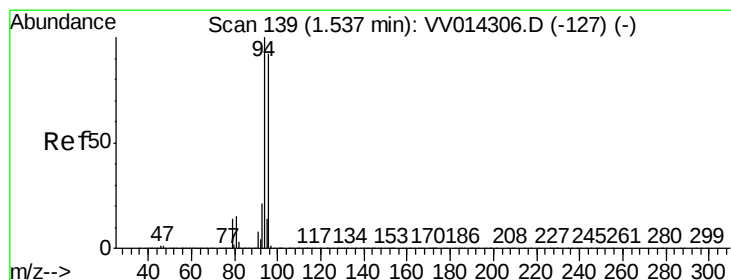
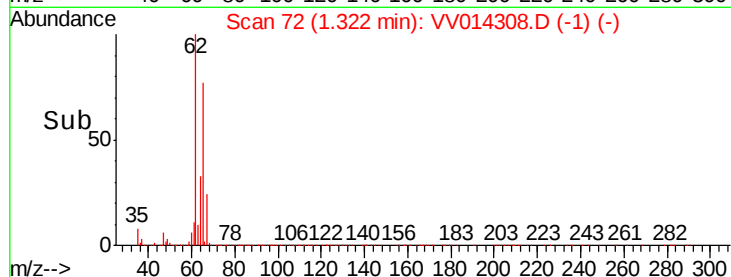
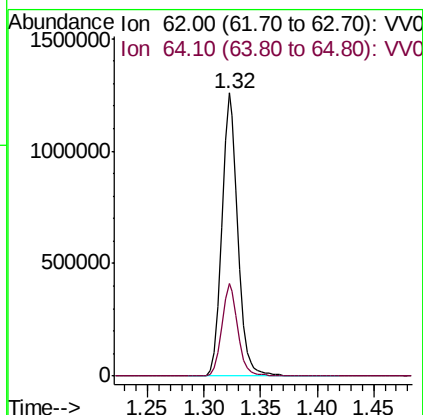
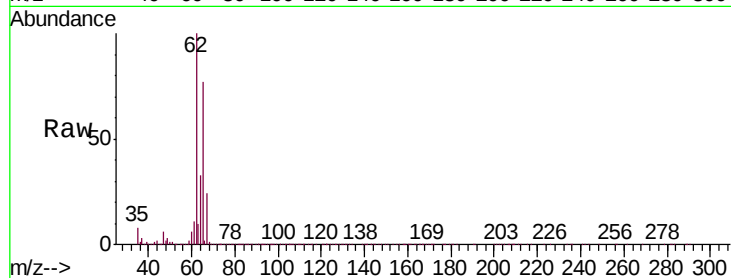
VSTD020345

Tgt Ion: 62 Resp: 1238242

Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



#6

Bromomethane

Concen: 19.148 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014308.D

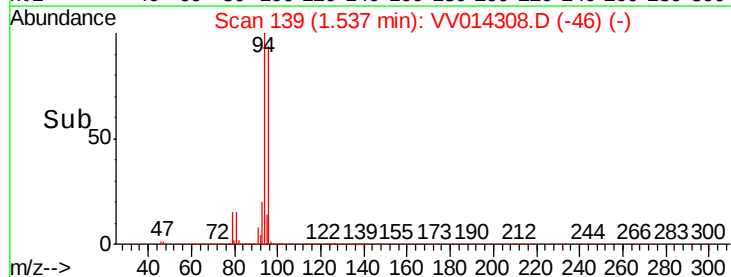
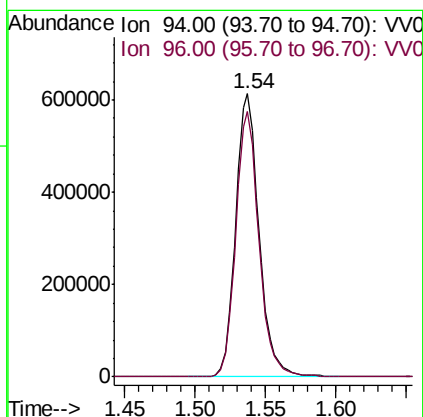
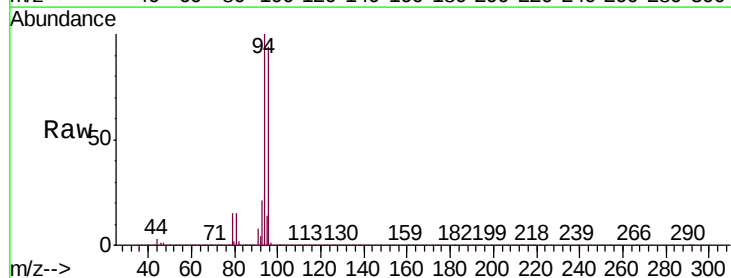
Acq: 15 Jan 2020 11:23

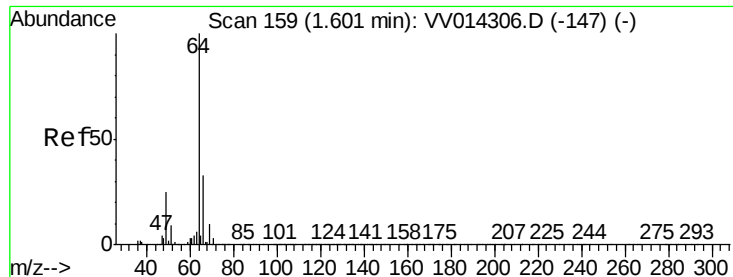
Tgt Ion: 94 Resp: 711221

Ion Ratio Lower Upper

94 100

96 93.7 64.6 120.0





#8

Chloroethane

Concen: 19.110 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

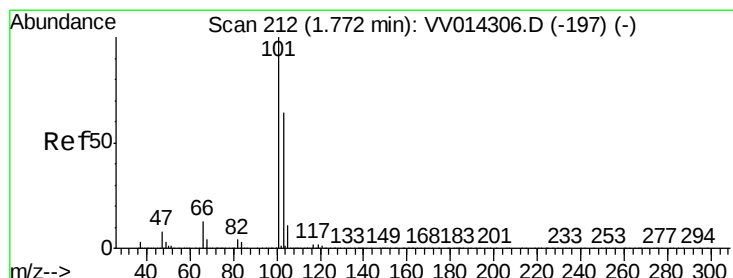
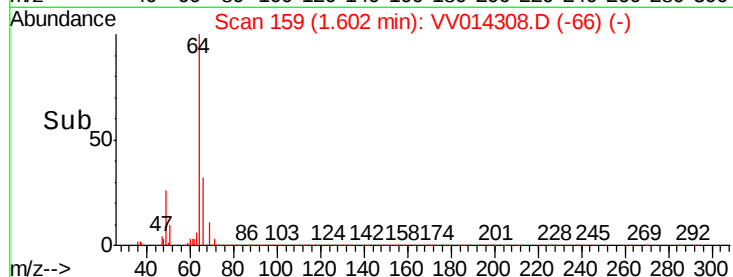
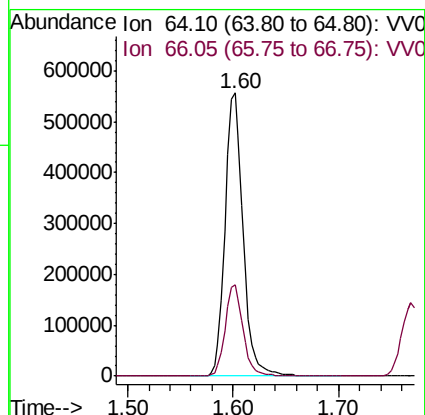
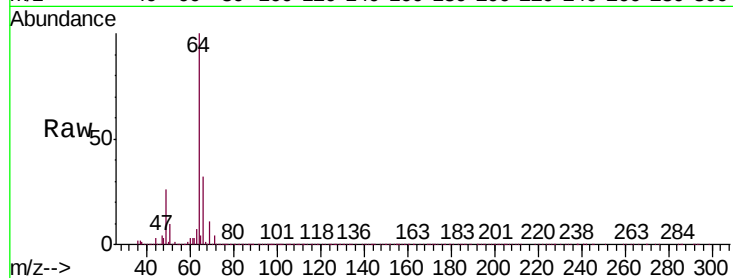
VSTD020345

Tgt Ion: 64 Resp: 654977

Ion Ratio Lower Upper

64 100

66 32.2 23.0 42.8



#9

Trichlorofluoromethane

Concen: 14.204 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014308.D

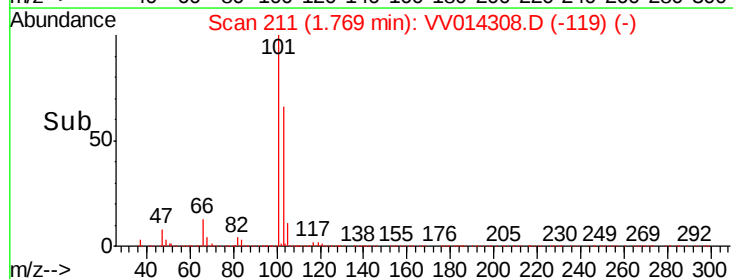
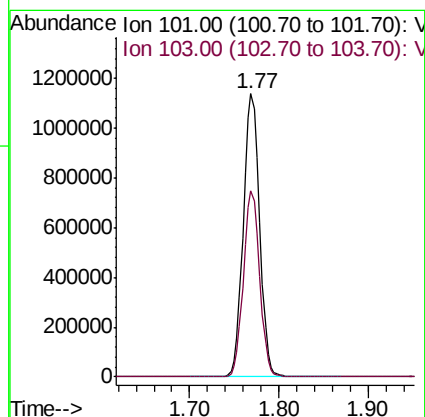
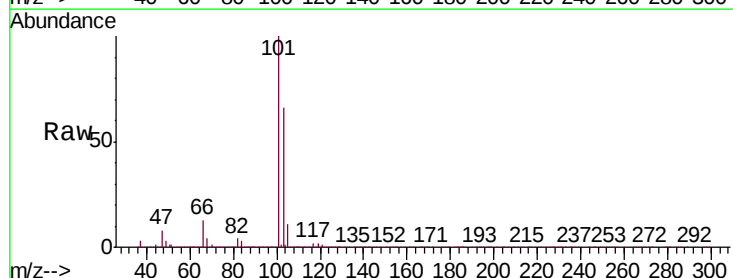
Acq: 15 Jan 2020 11:23

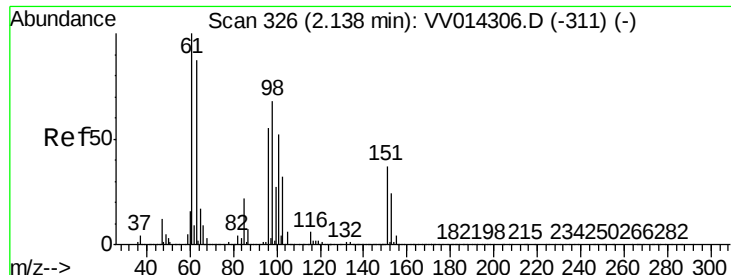
Tgt Ion: 101 Resp: 1444935

Ion Ratio Lower Upper

101 100

103 65.4 51.2 76.8





#10

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

Concen: 17.068 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD020345

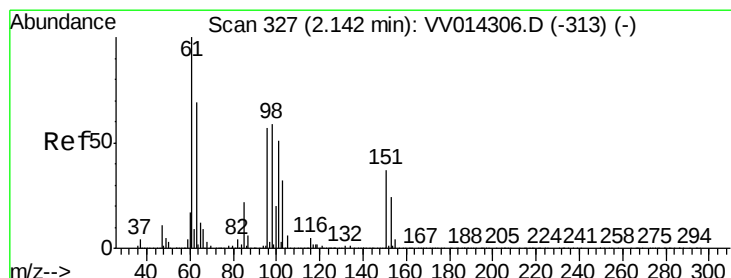
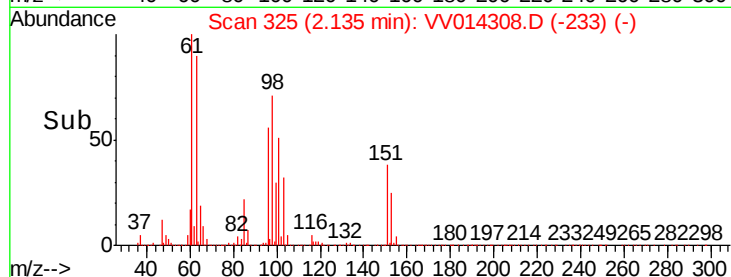
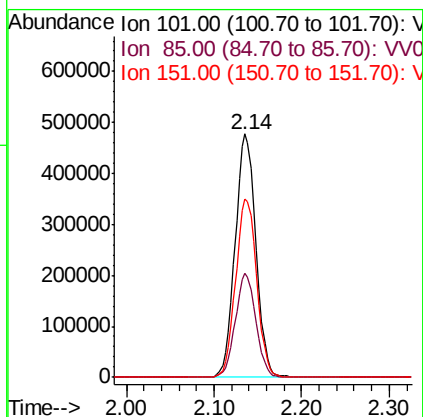
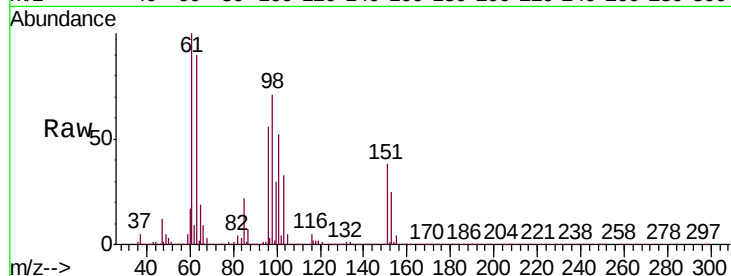
Tgt Ion: 101 Resp: 786059

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

151 74.3 58.7 88.1



#12

1,1-Dichloroethene

Concen: 17.419 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

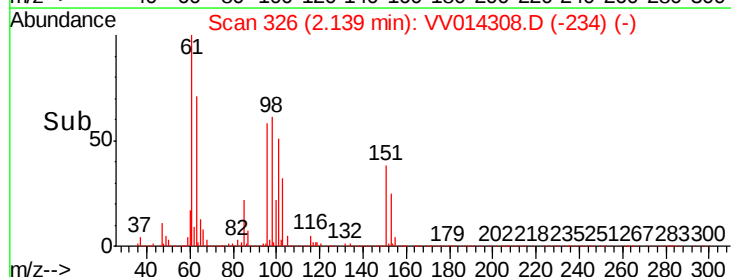
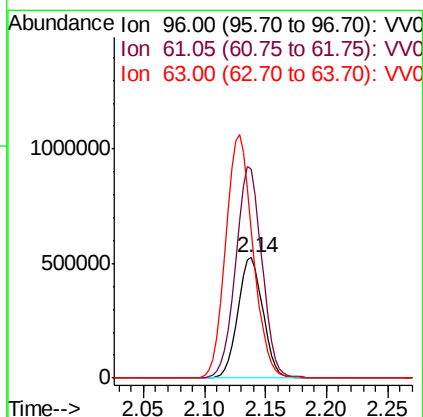
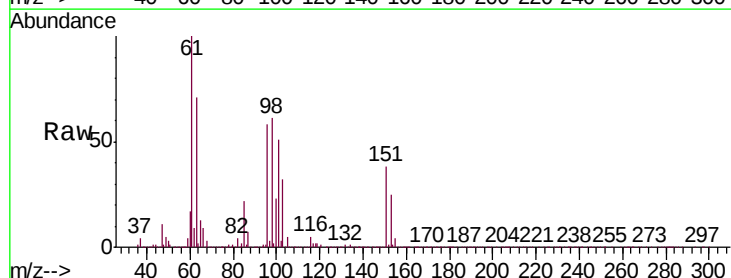
Tgt Ion: 96 Resp: 746794

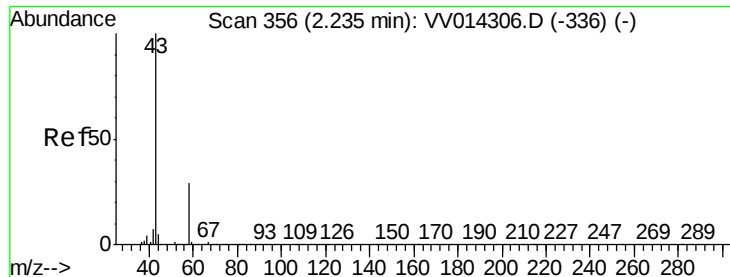
Ion Ratio Lower Upper

96 100

61 173.1 123.2 228.8

63 122.9 85.6 159.0





#13

Acetone

Concen: 223.075 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.00 min

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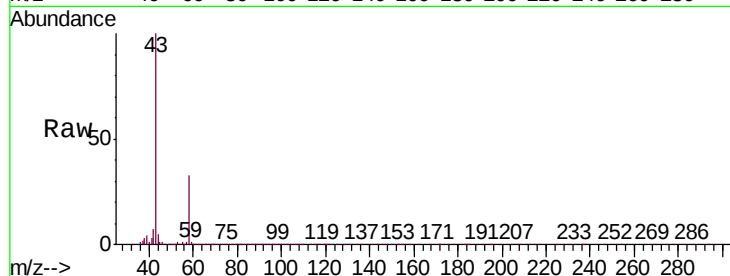
VSTD020345

Tgt Ion: 43 Resp: 1545505

Ion Ratio Lower Upper

43 100

58 32.5 0.0 25.8#



Abundance Ion 43.05 (42.75 to 43.75): VV014306.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV014306.D (-336) (-)

2.24

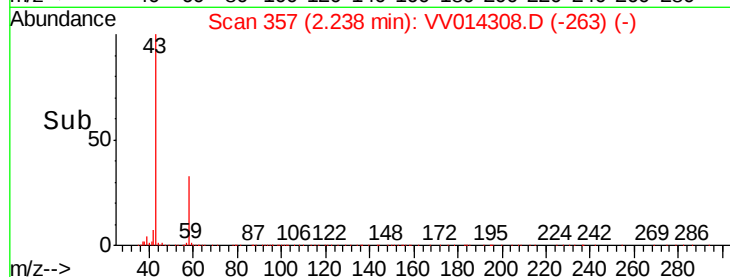
300000

200000

100000

0

Time-->



Abundance Ion 43.05 (42.75 to 43.75): VV014308.D (-263) (-)

Ion 58.05 (57.75 to 58.75): VV014308.D (-263) (-)

2.24

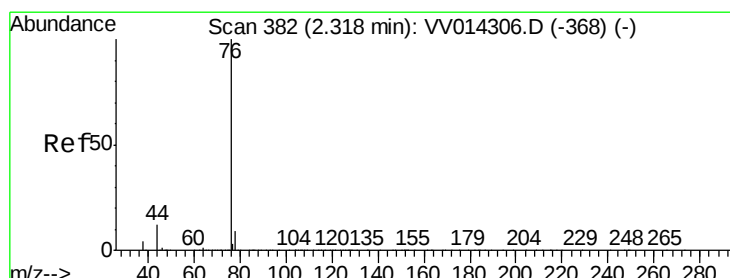
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 27.499 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014308.D

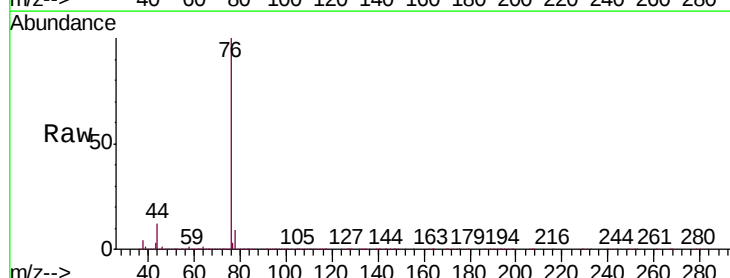
Acq: 15 Jan 2020 11:23

Tgt Ion: 76 Resp: 3716781

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV014306.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV014306.D (-368) (-)

2.32

2500000

2000000

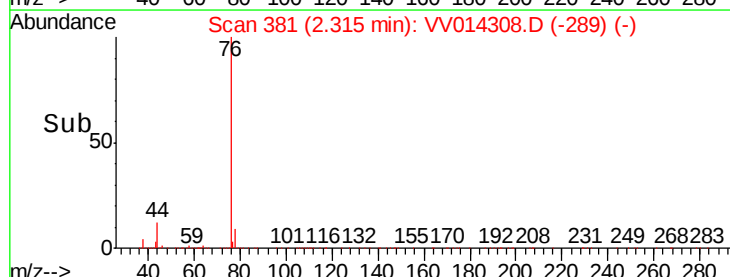
1500000

1000000

500000

0

Time-->



Abundance Ion 76.05 (75.75 to 76.75): VV014308.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014308.D (-289) (-)

2.32

2500000

2000000

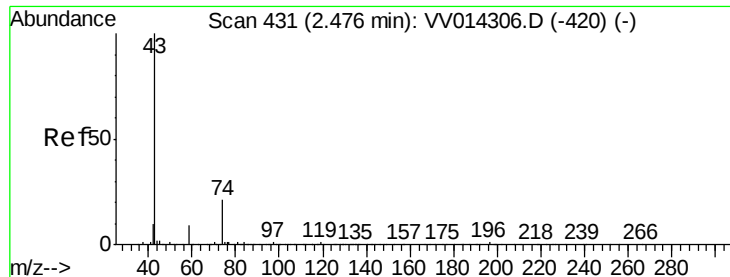
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1000000

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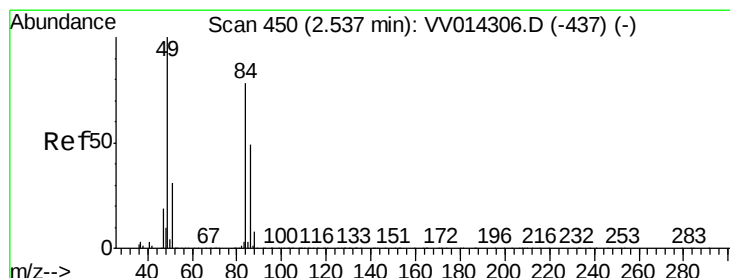
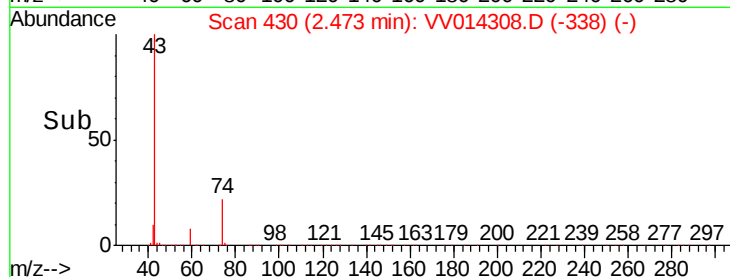
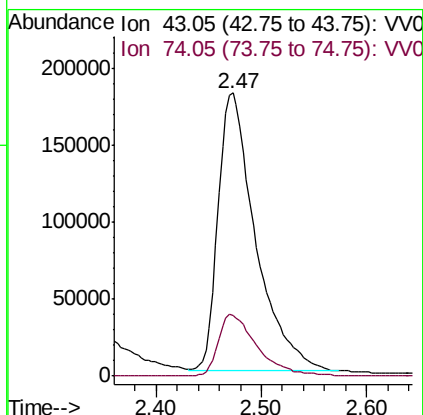
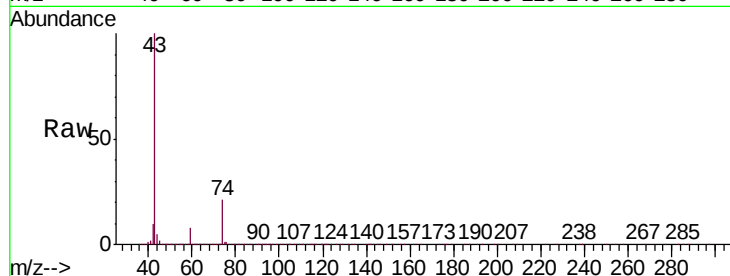
Time-->



#15
Methyl Acetate
Concen: 28.150 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

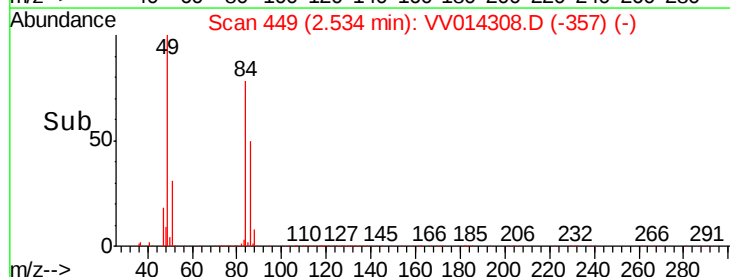
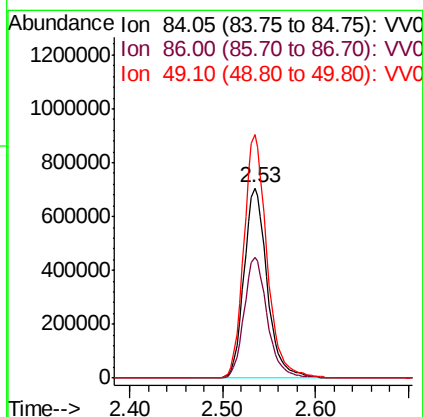
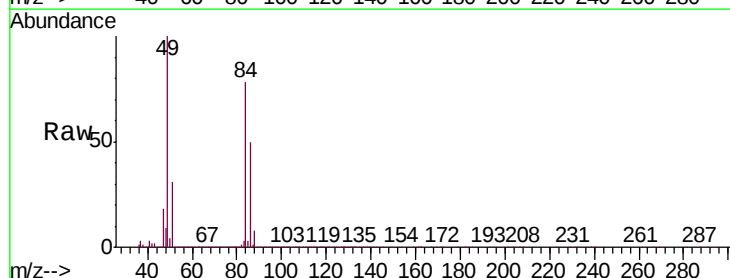
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

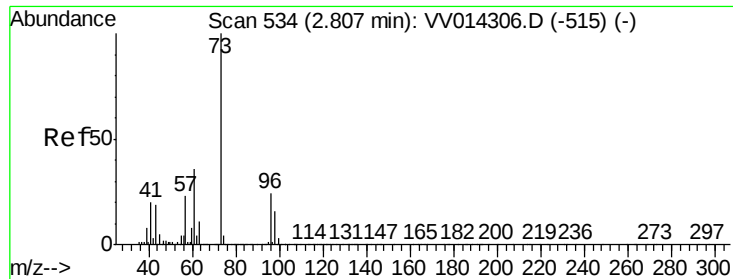
Tgt Ion: 43 Resp: 447054
Ion Ratio Lower Upper
43 100
74 22.5 18.6 28.0



#16
Methylene chloride
Concen: 24.136 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 84 Resp: 1218965
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 128.2 90.2 167.6



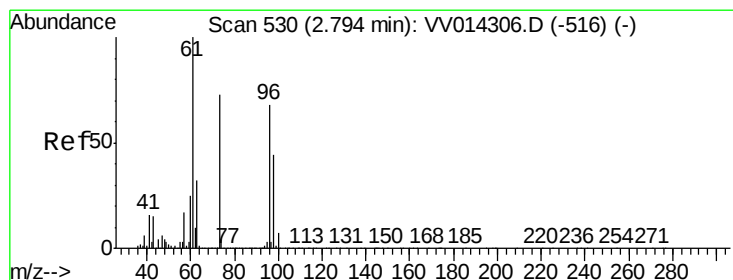
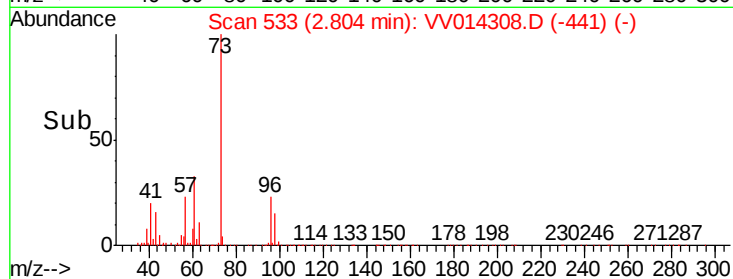
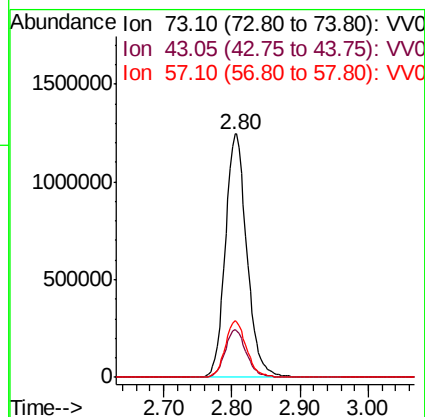
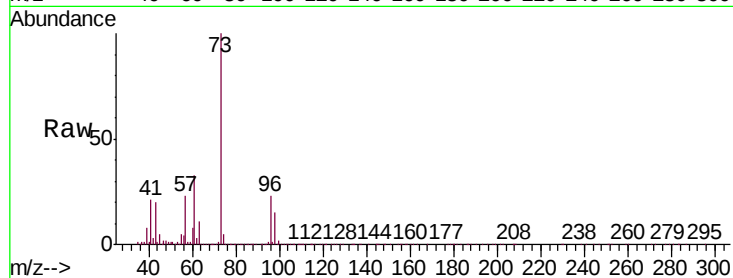


#17

Methyl tert-butyl Ether
Concen: 19.837 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

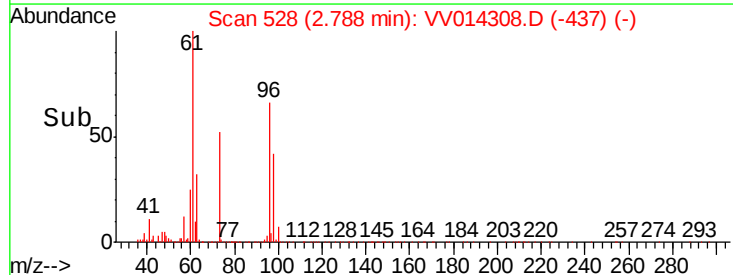
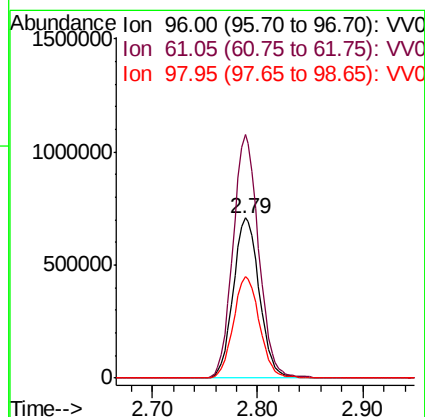
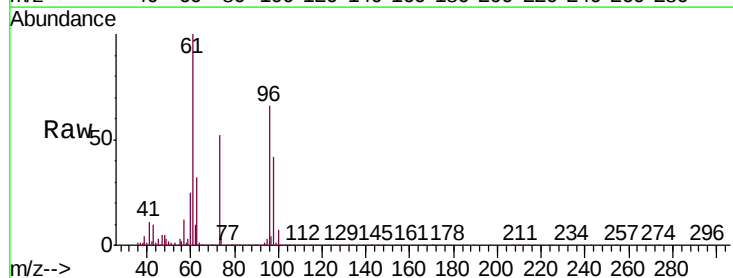
Tgt Ion: 73 Resp: 2722336
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0
57 22.9 18.3 27.5

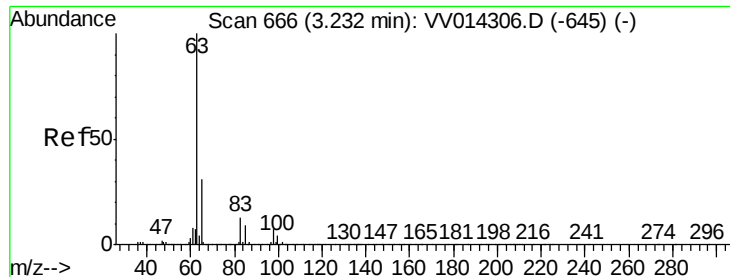


#18

trans-1,2-Dichloroethene
Concen: 19.436 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 96 Resp: 1212607
Ion Ratio Lower Upper
96 100
61 152.1 102.9 191.1
98 63.2 45.8 85.0





#19

1,1-Dichloroethane

Concen: 20.360 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.01 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD020345

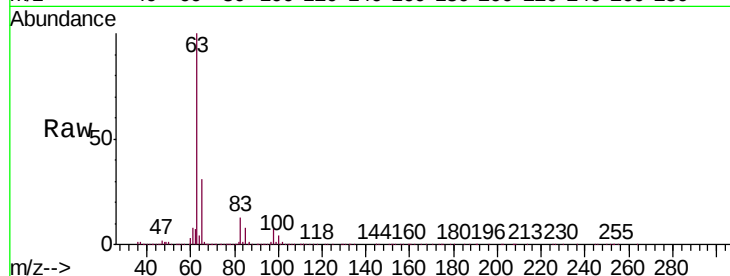
Tgt Ion: 63 Resp: 2284314

Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.0

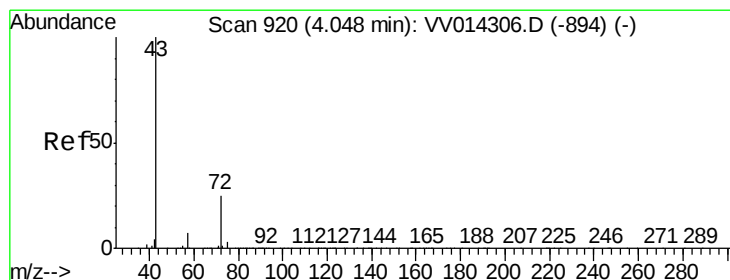
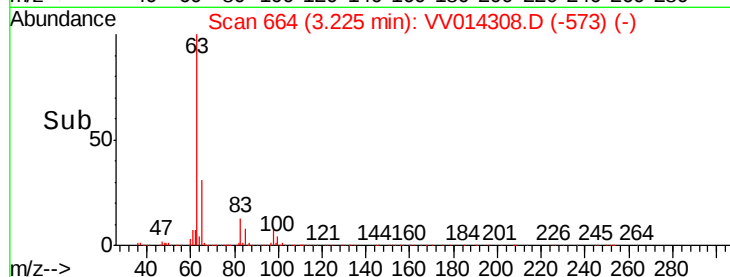
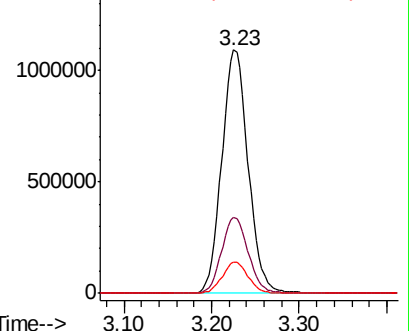
83 12.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV014308.D (-645) (-)

Ion 65.10 (64.80 to 65.80): VV014308.D (-645) (-)

Ion 83.05 (82.75 to 83.75): VV014308.D (-645) (-)



#21

2-Butanone

Concen: 217.332 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV014308.D

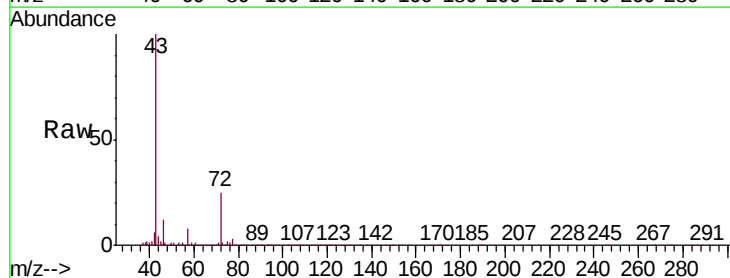
Acq: 15 Jan 2020 11:23

Tgt Ion: 43 Resp: 2922295

Ion Ratio Lower Upper

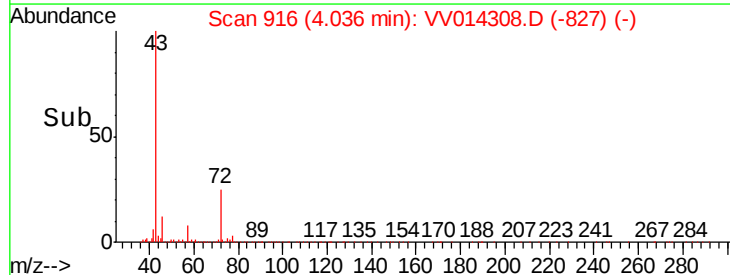
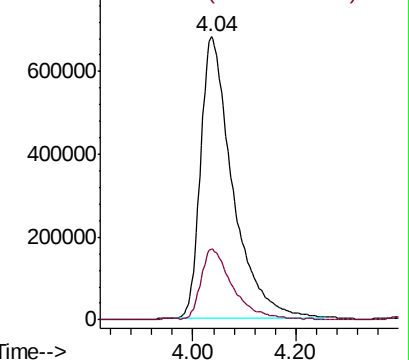
43 100

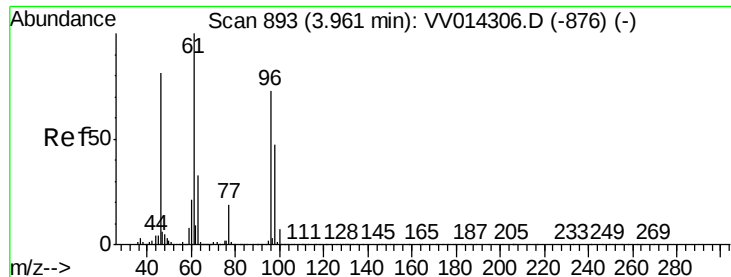
72 24.4 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV014308.D (-827) (-)

Ion 72.10 (71.80 to 72.80): VV014308.D (-827) (-)



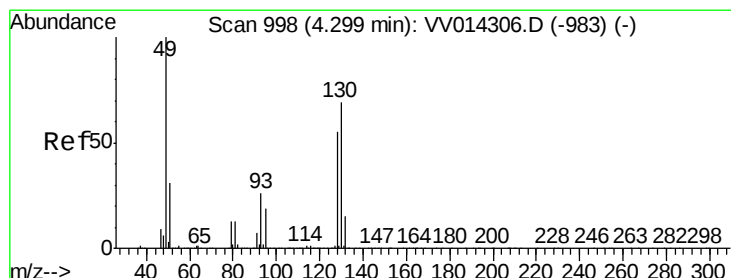
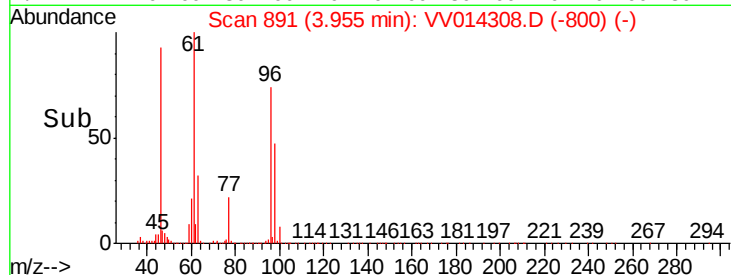
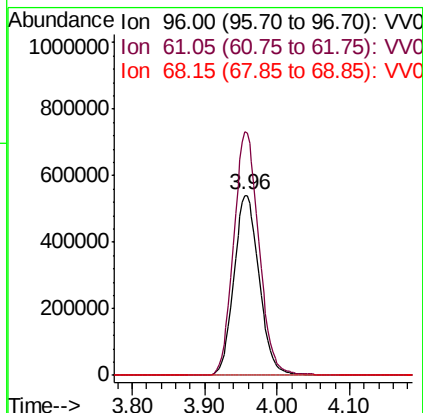
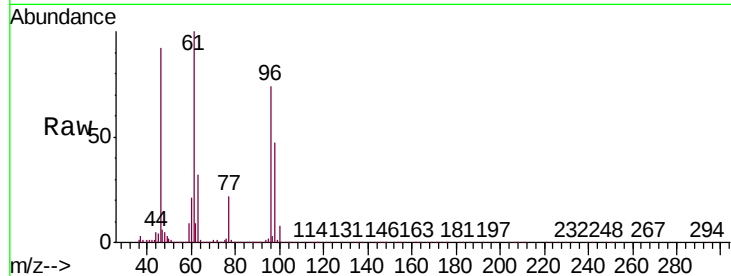


#22

cis-1,2-Dichloroethene
Concen: 19.672 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.01 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

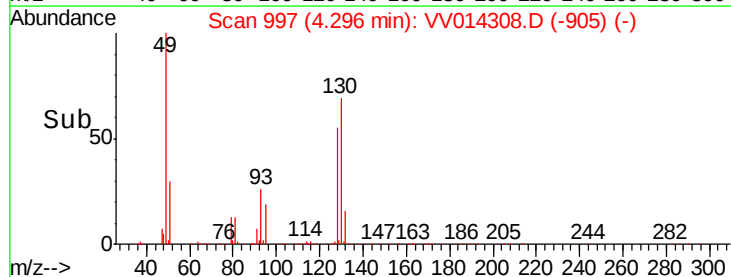
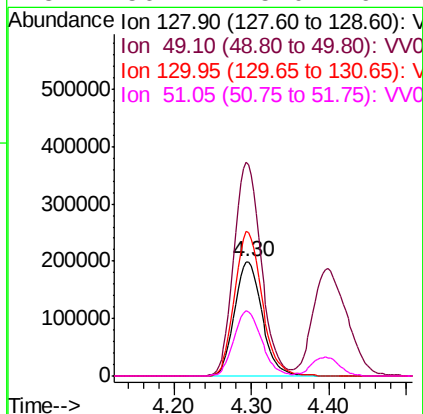
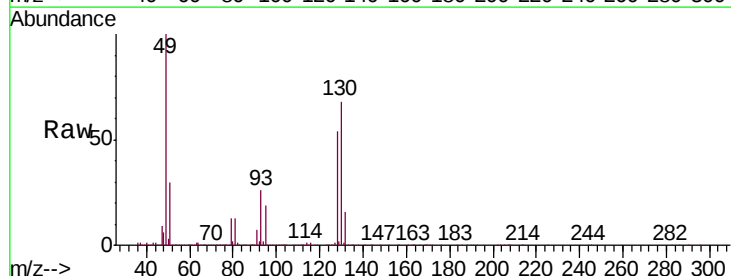
Tgt Ion: 96 Resp: 1311384
Ion Ratio Lower Upper
96 100
61 135.4 95.5 177.3
68 0.1 0.1 0.3#

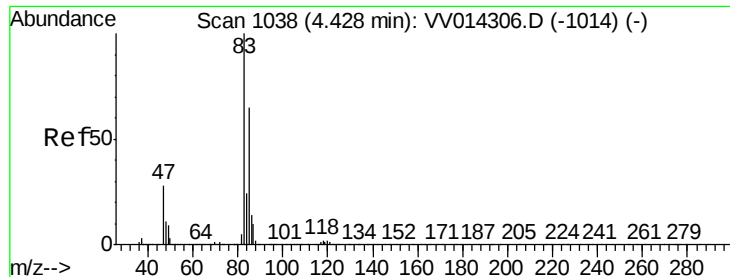


#23

Bromochloromethane
Concen: 17.313 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 128 Resp: 490016
Ion Ratio Lower Upper
128 100
49 184.4 127.5 236.7
130 125.6 87.5 162.5
51 56.1 45.0 67.4

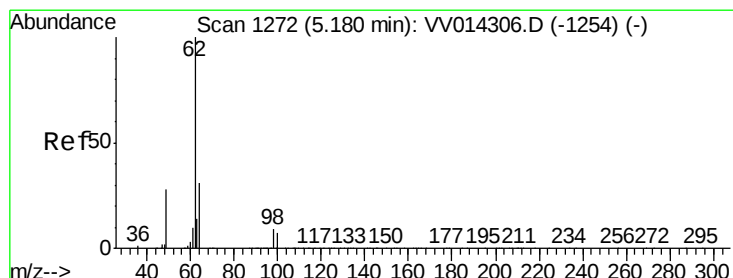
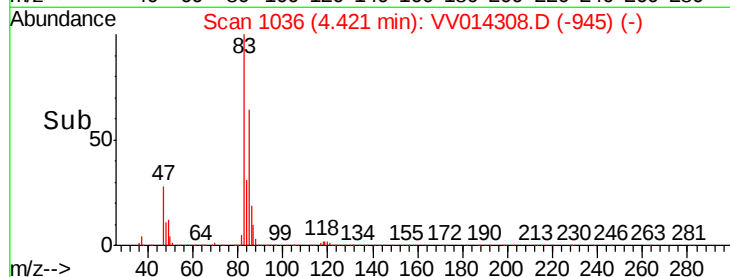
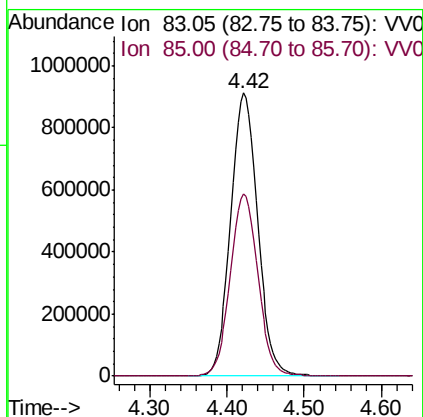
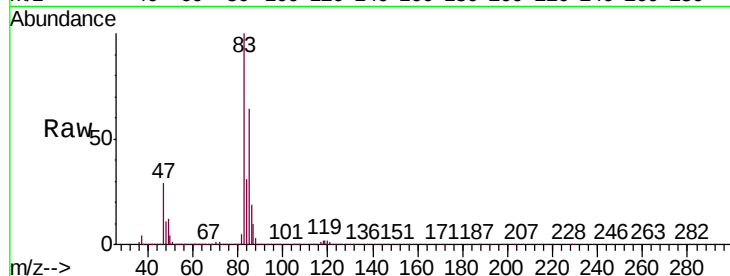




#25
Chloroform
Concen: 16.335 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

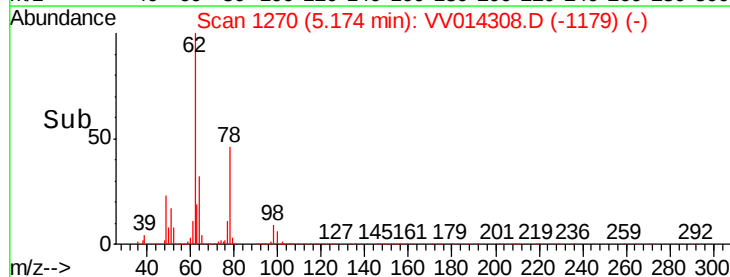
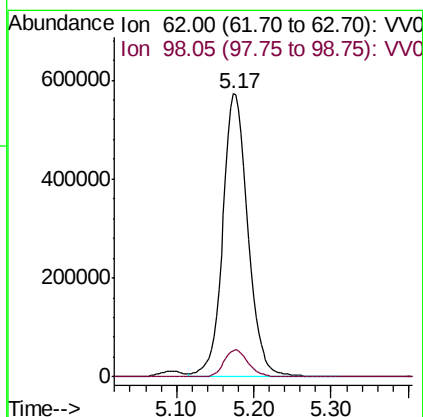
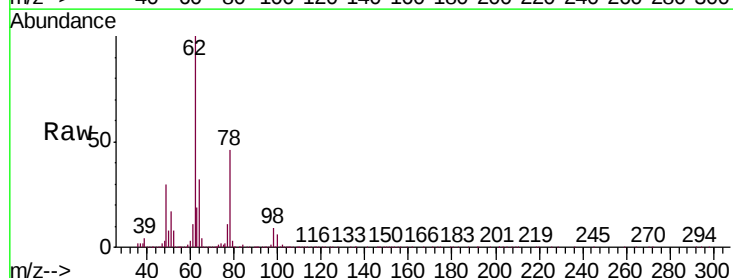
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

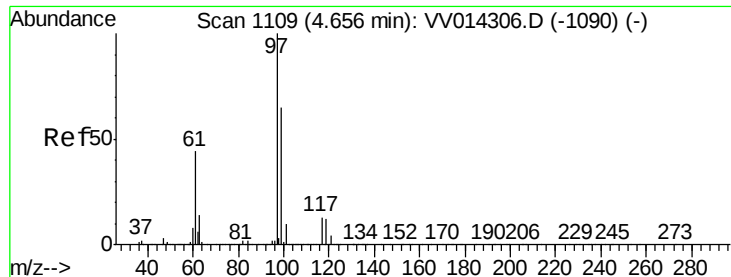
Tgt Ion: 83 Resp: 2211145
Ion Ratio Lower Upper
83 100
85 64.2 45.2 84.0



#27
1,2-Dichloroethane
Concen: 17.130 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 62 Resp: 1286422
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7

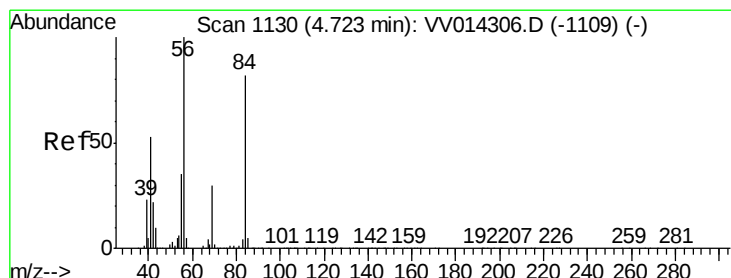
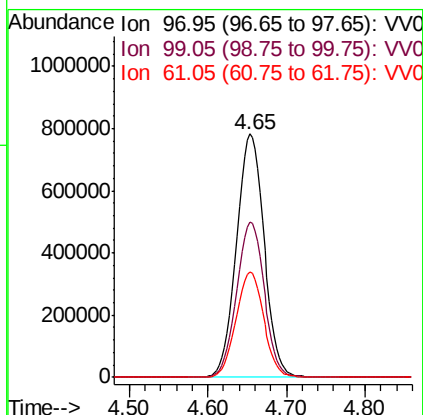
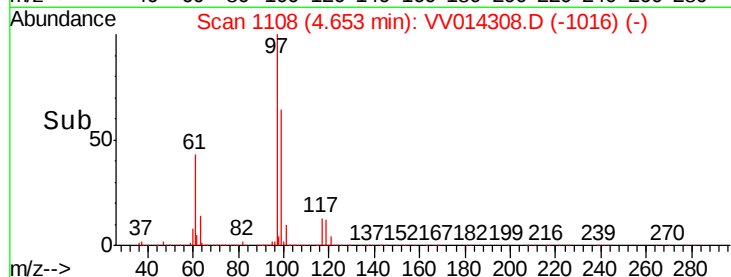
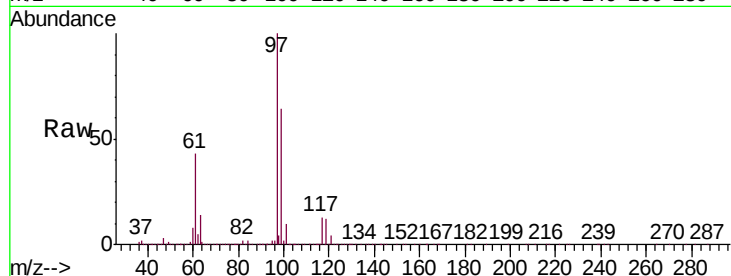




#29
1,1,1-Trichloroethane
Concen: 18.496 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

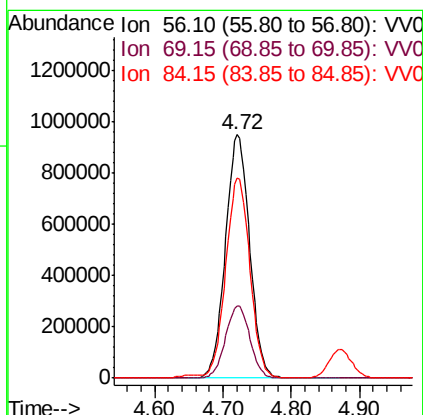
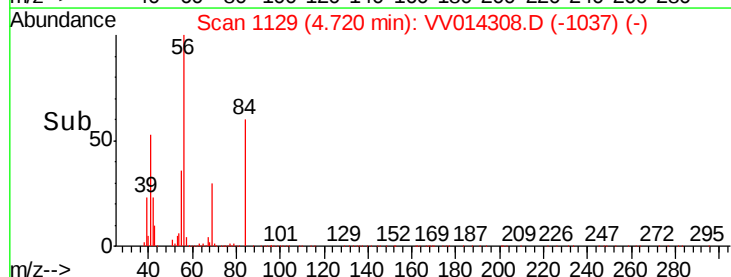
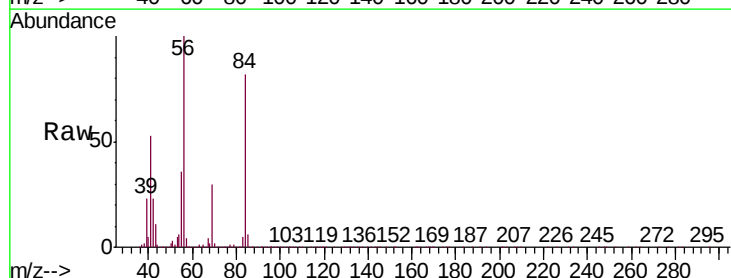
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

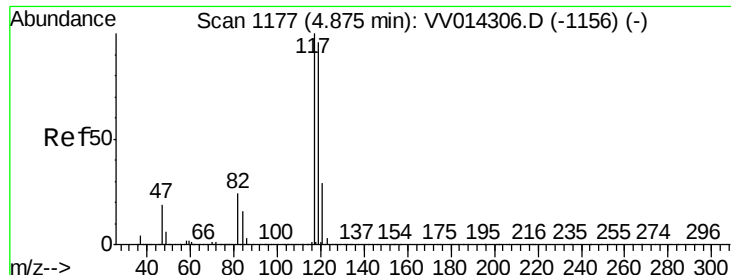
Tgt Ion: 97 Resp: 1929064
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 43.2 34.2 51.4



#30
Cyclohexane
Concen: 24.233 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 56 Resp: 2323543
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 82.7 65.8 98.8

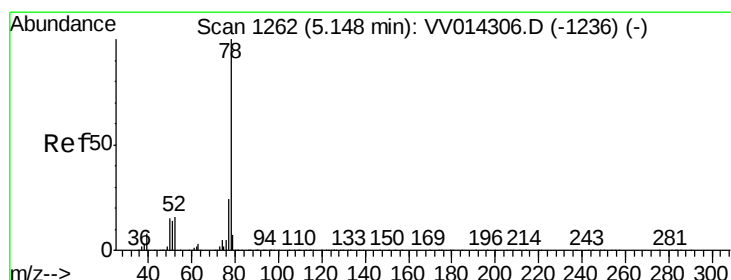
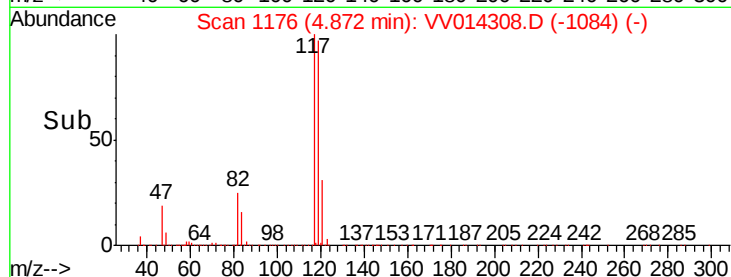
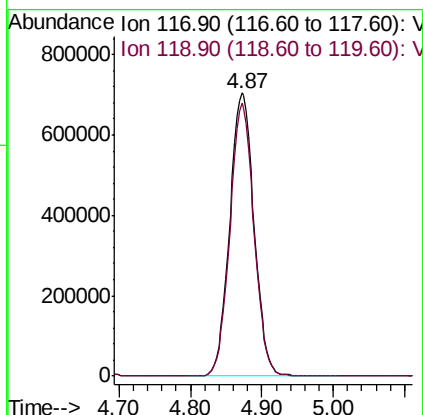
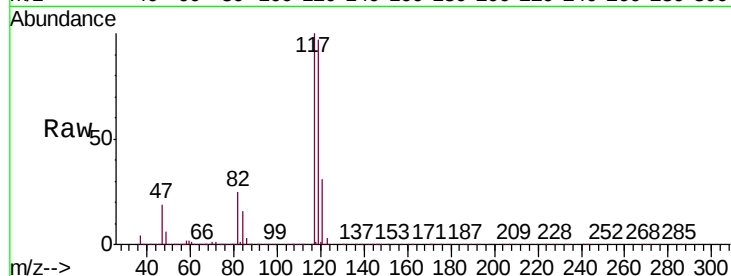




#31
Carbon tetrachloride
Concen: 18.071 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

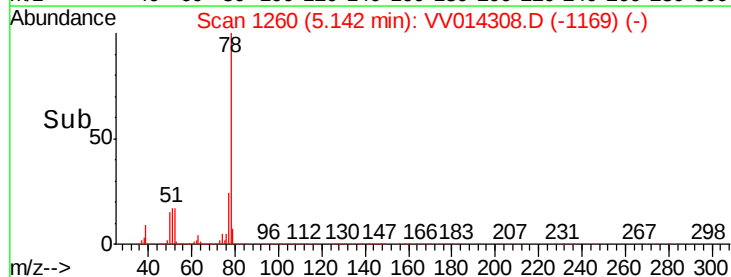
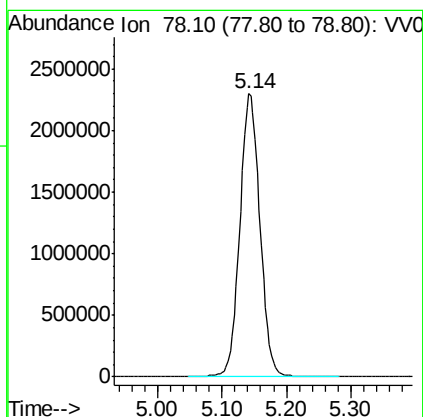
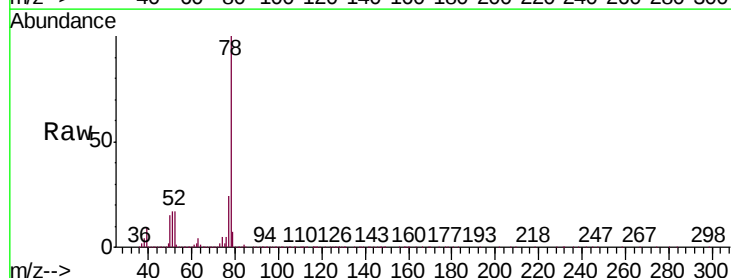
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

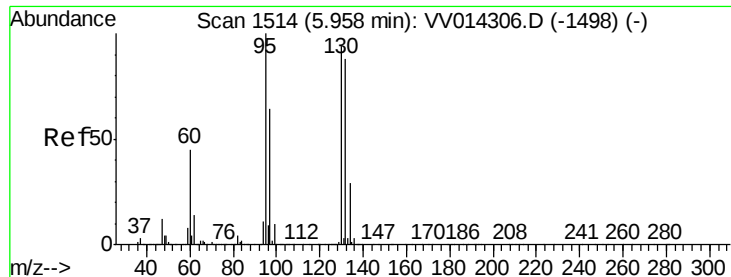
Tgt Ion:117 Resp: 1672603
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7



#33
Benzene
Concen: 21.004 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 78 Resp: 4967328



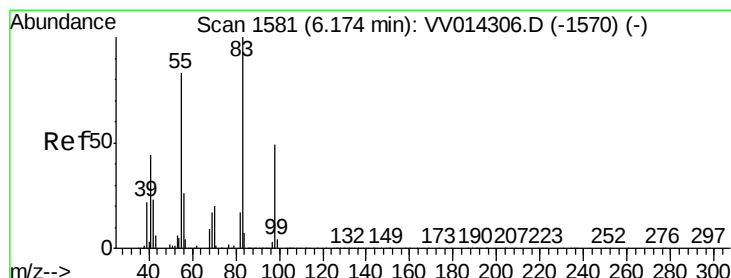
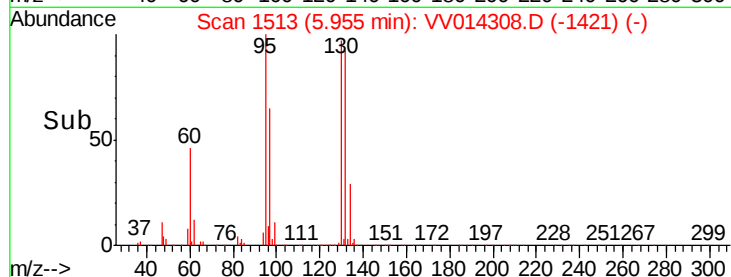
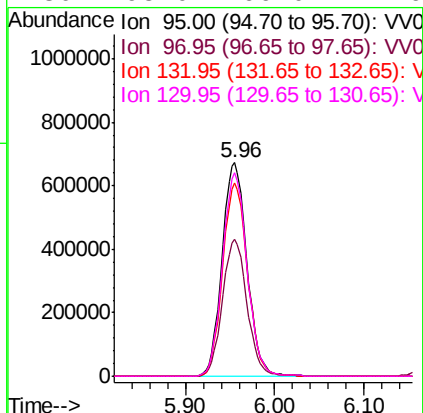
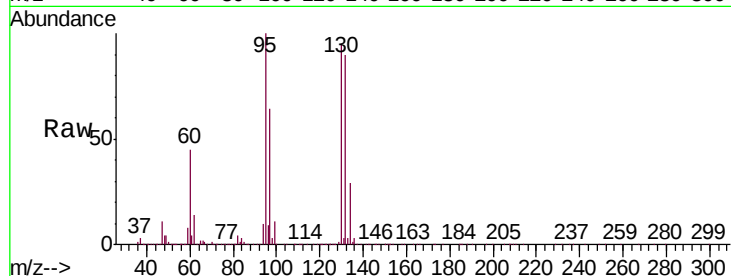


#34
 Trichloroethene
 Concen: 19.616 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020345

Tgt Ion: 95 Resp: 1299600

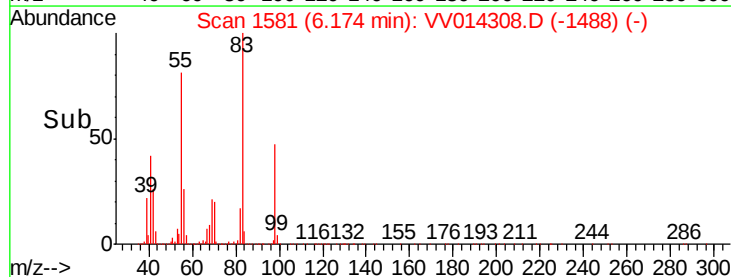
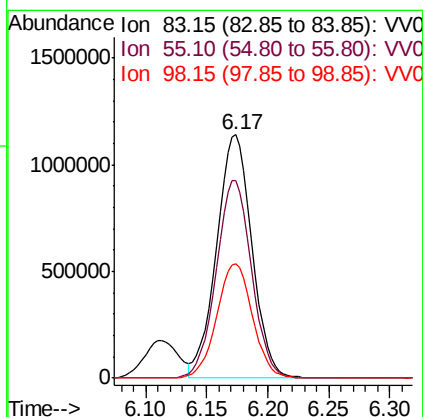
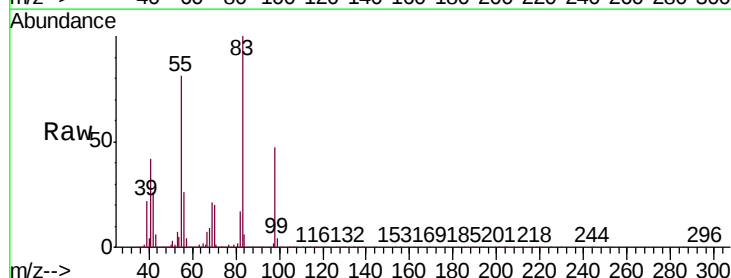
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.5	82.7
132	90.3	61.7	114.7
130	95.0	66.0	122.6

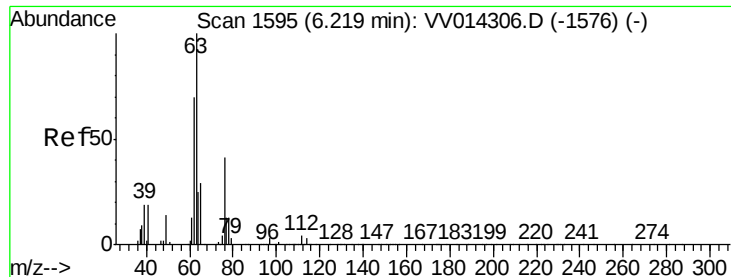


#35
 Methylcyclohexane
 Concen: 21.746 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Tgt Ion: 83 Resp: 2313243

Ion	Ratio	Lower	Upper
83	100		
55	81.1	65.5	98.3
98	47.6	38.3	57.5

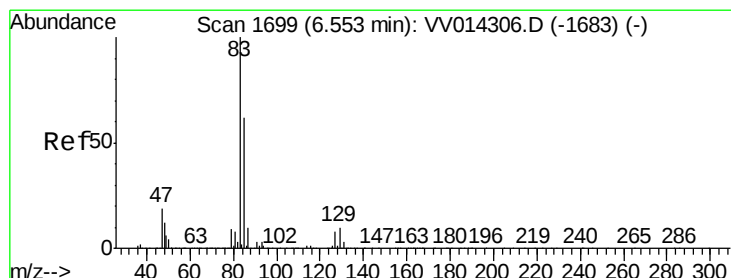
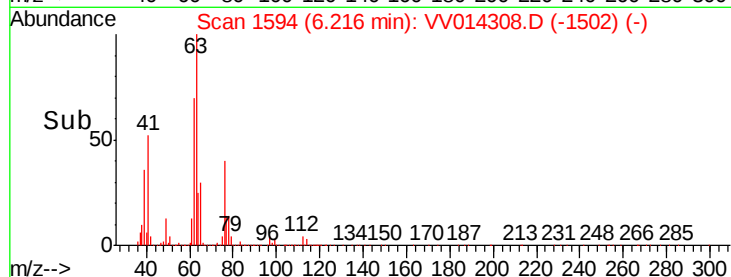
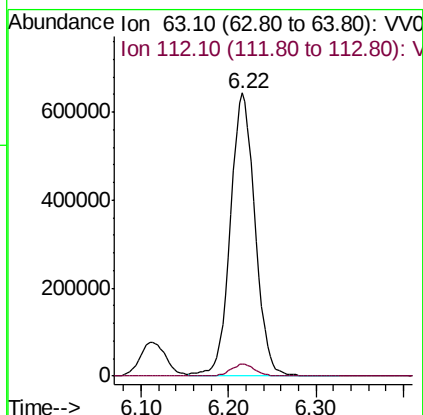
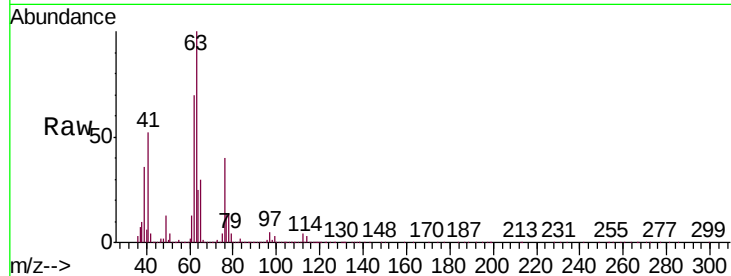




#37
 1,2-Dichloropropane
 Concen: 22.669 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

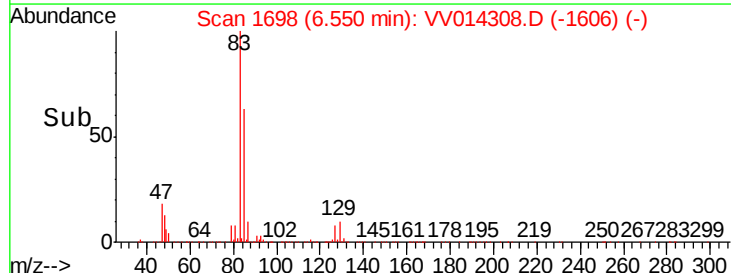
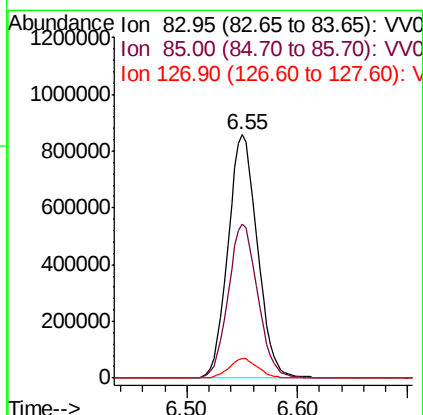
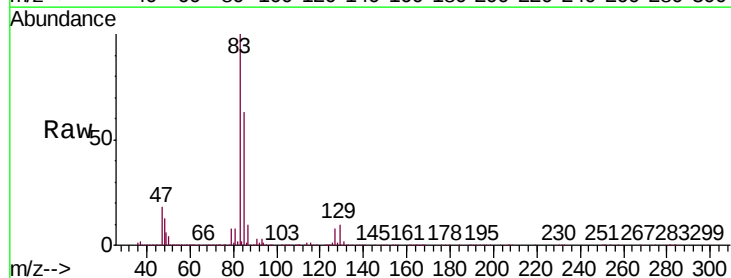
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020345

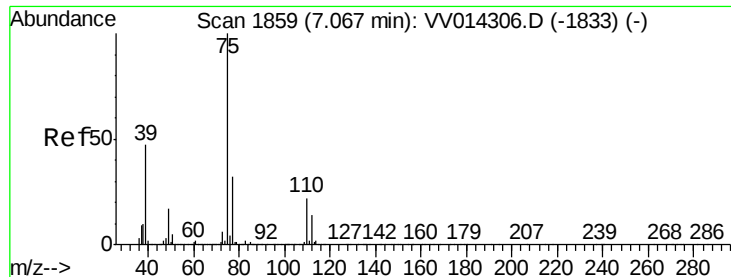
Tgt Ion: 63 Resp: 1256624
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 20.659 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Tgt Ion: 83 Resp: 1585977
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.5 80.9
 127 8.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 22.872 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

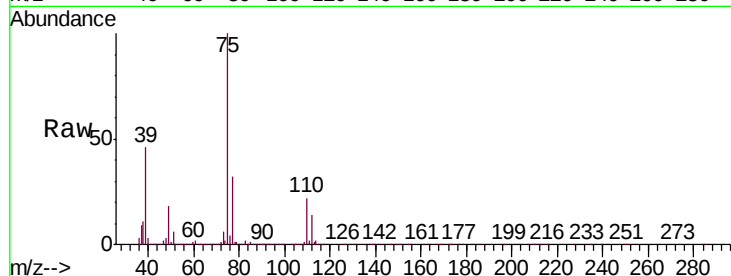
VSTD020345

Tgt Ion: 75 Resp: 1993125

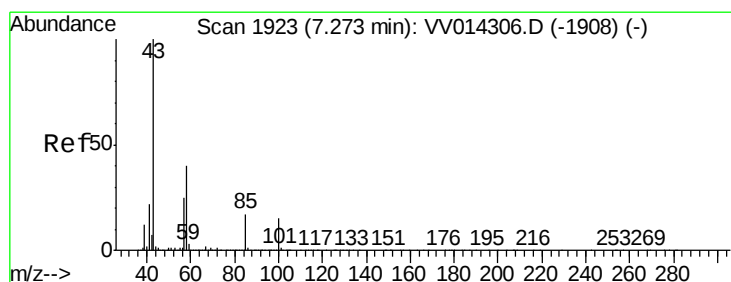
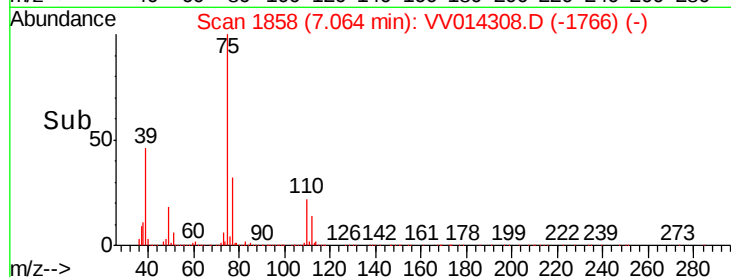
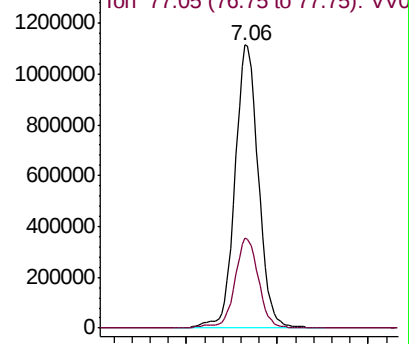
Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0



#40

4-Methyl-2-pentanone

Concen: 223.879 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

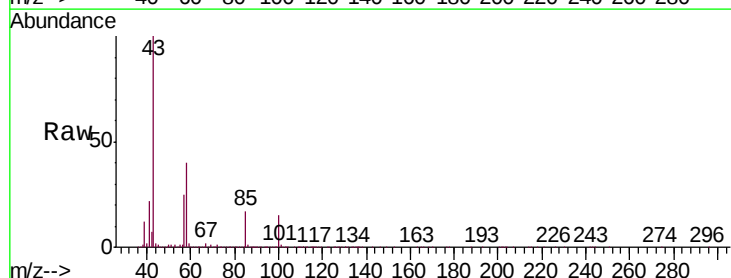
Tgt Ion: 43 Resp: 7129888

Ion Ratio Lower Upper

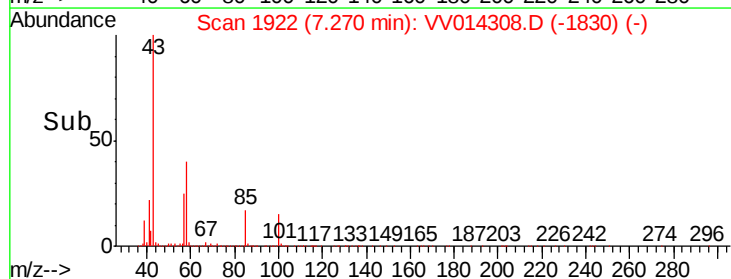
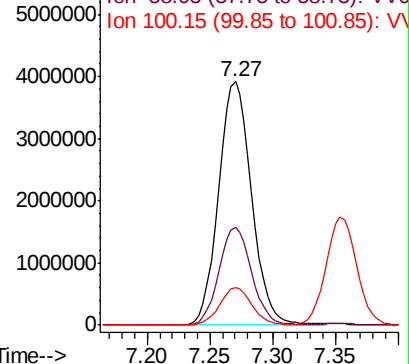
43 100

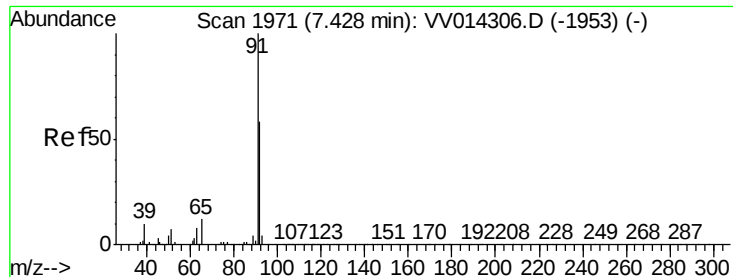
58 39.8 31.3 46.9

100 15.0 11.7 17.5



Abundance Ion 43.05 (42.75 to 43.75): VV0





#42

Toluene

Concen: 20.102 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

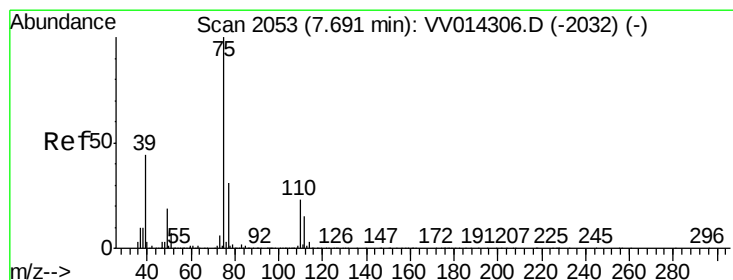
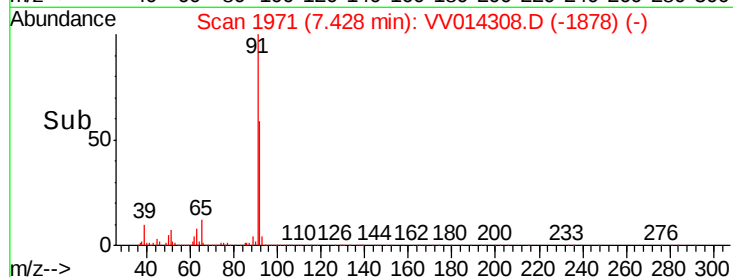
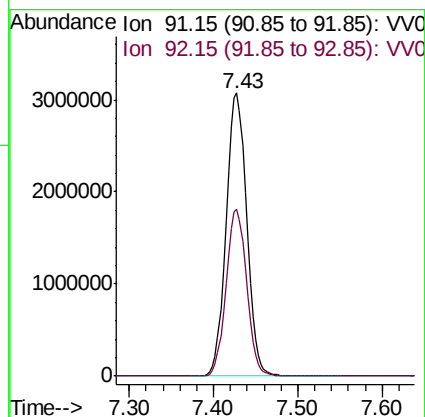
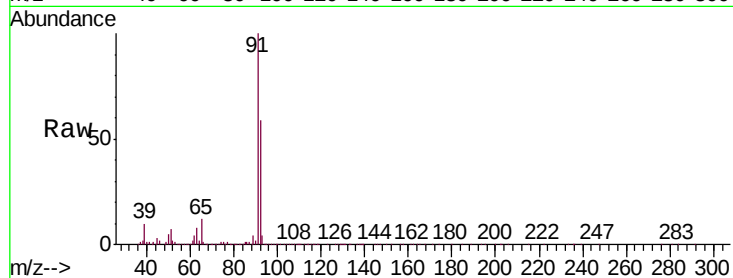
VSTD020345

Tgt Ion: 91 Resp: 5202187

Ion Ratio Lower Upper

91 100

92 59.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 22.057 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014308.D

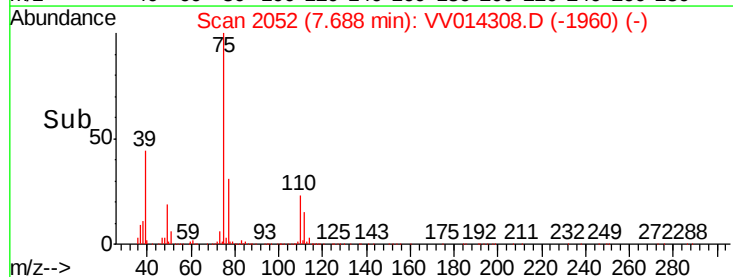
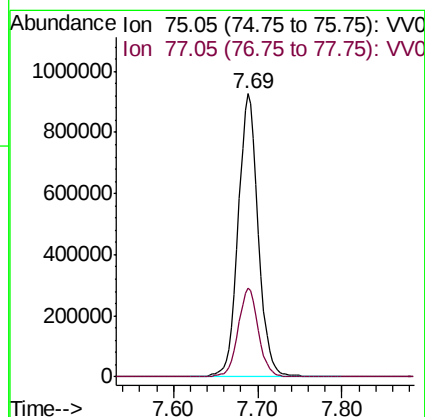
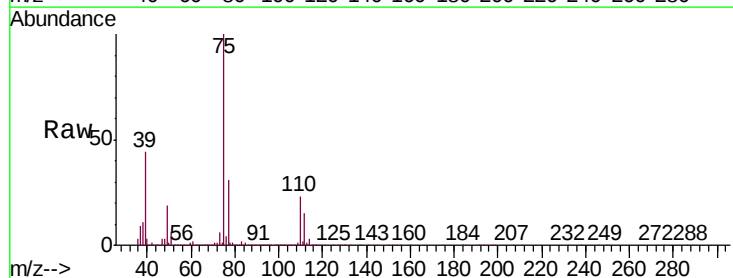
Acq: 15 Jan 2020 11:23

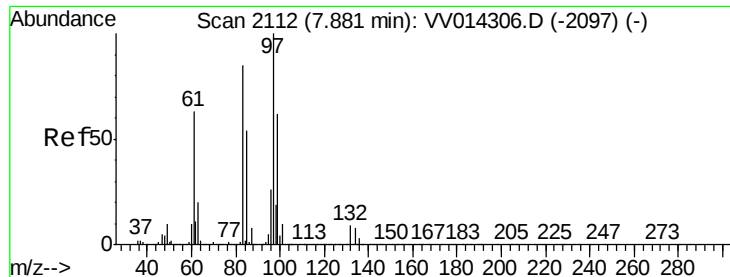
Tgt Ion: 75 Resp: 1533917

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7

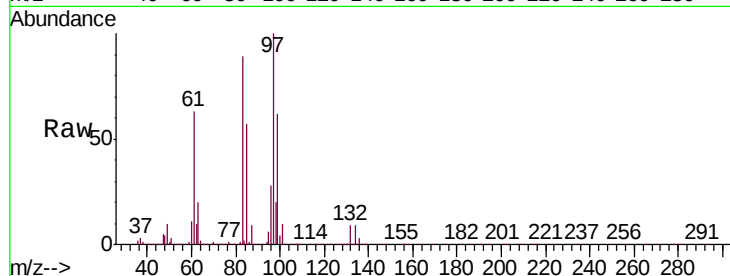




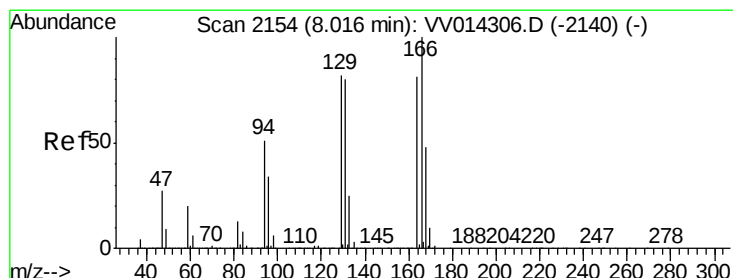
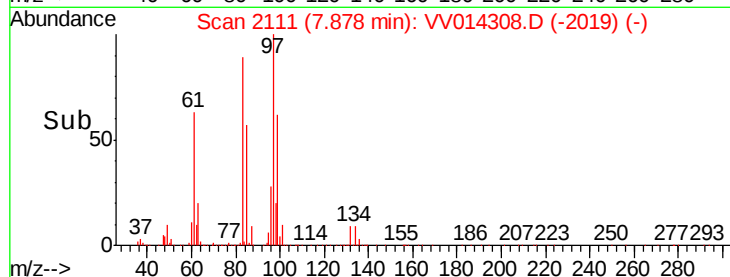
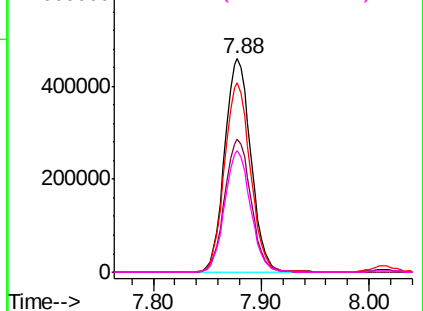
#45
1,1,2-Trichloroethane
Concen: 19.164 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

Tgt Ion:	97	Resp:	779322
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.2	80.2
83	88.9	59.7	110.9
85	56.9	38.0	70.6

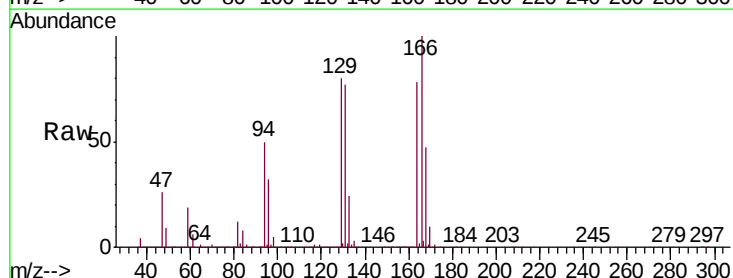


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

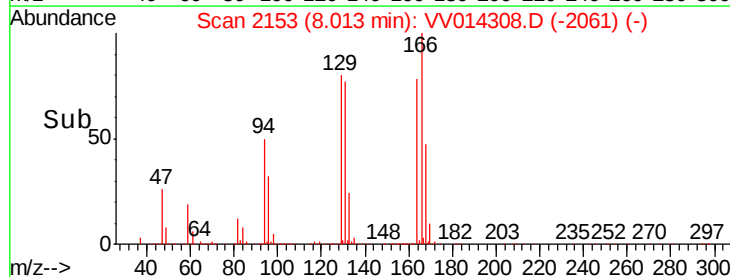
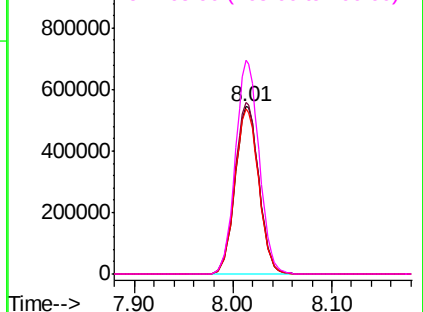


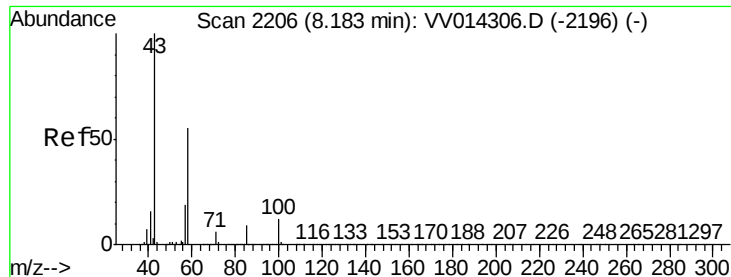
#47
Tetrachloroethene
Concen: 16.639 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion:	164	Resp:	913362
Ion	Ratio	Lower	Upper
164	100		
129	102.4	70.6	131.0
131	98.4	68.7	127.5
166	127.5	86.0	159.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



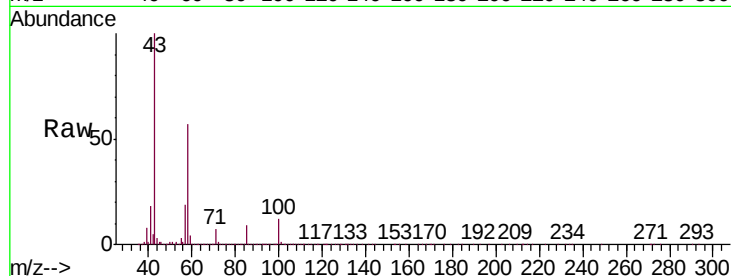


#48
2-Hexanone
Concen: 225.699 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

Tgt Ion: 43 Resp: 5056777

Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.9	65.9
57	19.2	14.9	22.3
100	11.6	9.2	13.8

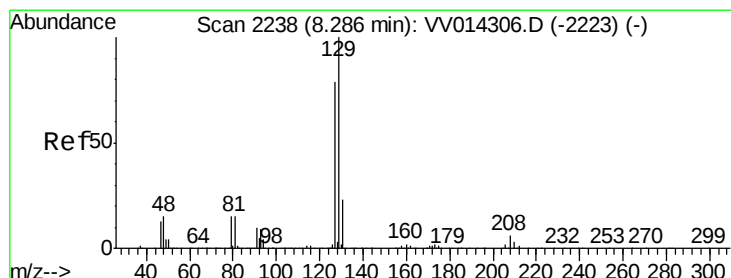
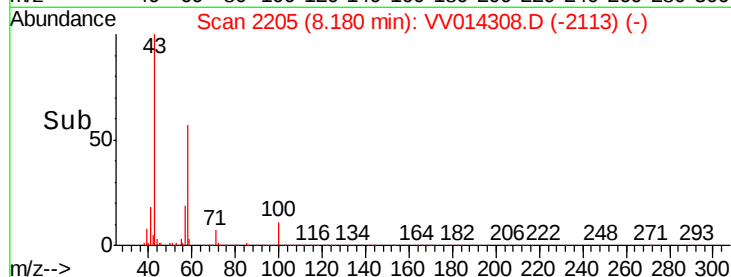
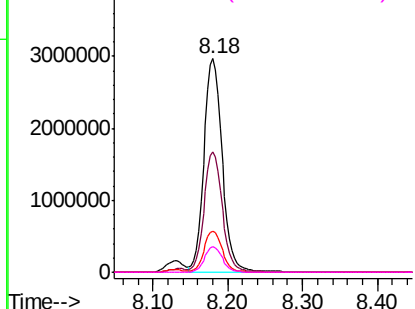


Abundance Ion 43.05 (42.75 to 43.75): VV014308.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV014308.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV014308.D (-2196) (-)

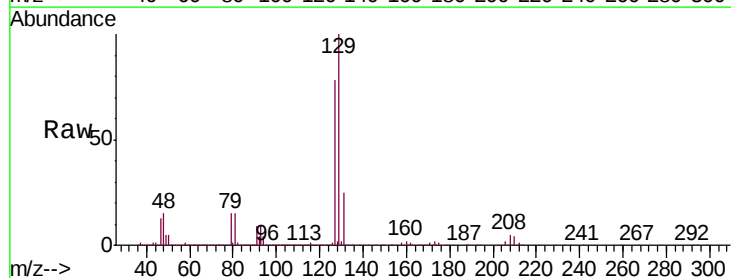
Ion 100.15 (99.85 to 100.85): VV014308.D (-2196) (-)



#49
Dibromochloromethane
Concen: 19.442 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

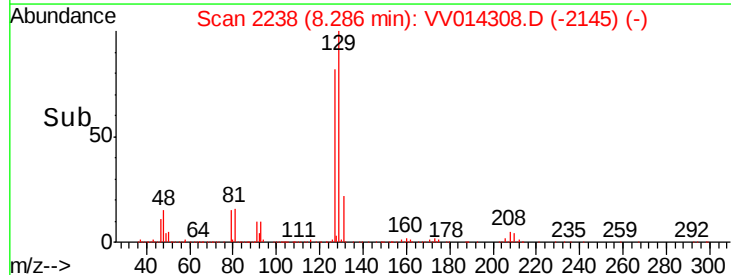
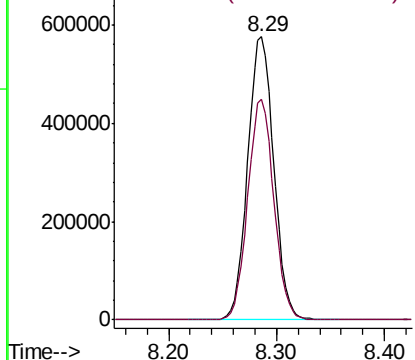
Tgt Ion: 129 Resp: 967629

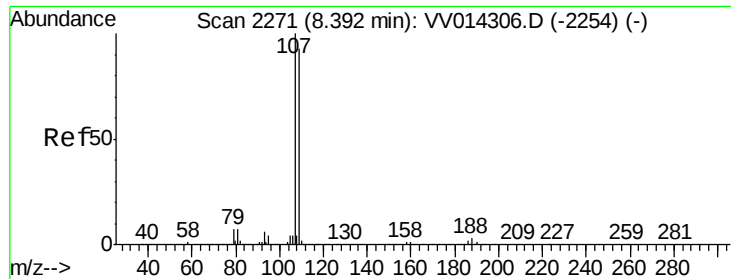
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.4	102.8



Abundance Ion 128.95 (128.65 to 129.65): VV014308.D (-2145) (-)

Ion 126.90 (126.60 to 127.60): VV014308.D (-2145) (-)

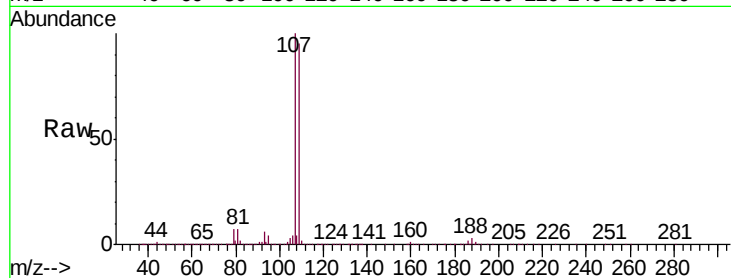




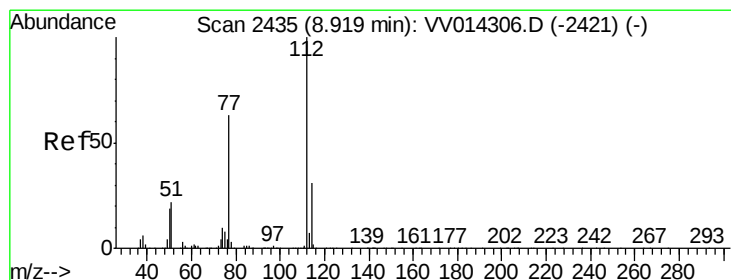
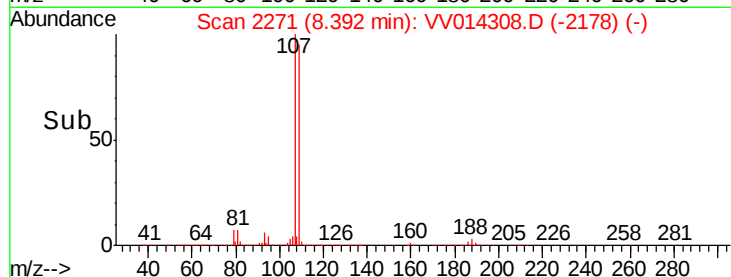
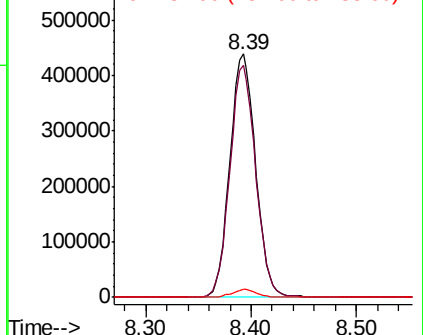
#50
 1,2-Dibromoethane
 Concen: 19.403 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020345

Tgt Ion:	107	Resp:	739099
Ion	Ratio	Lower	Upper
107	100		
109	95.4	65.2	121.2
188	3.1	2.6	3.8

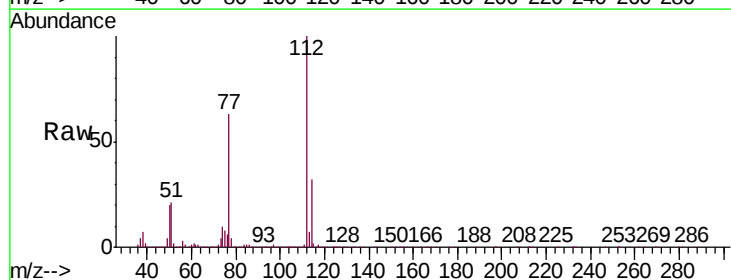


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

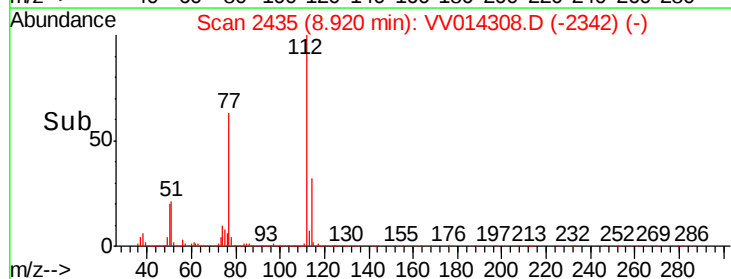
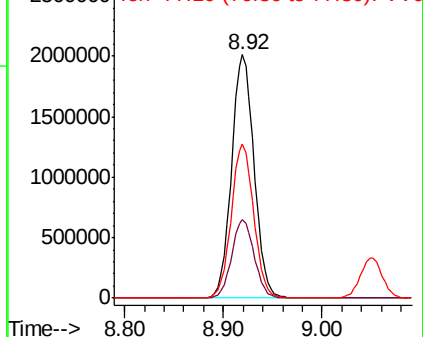


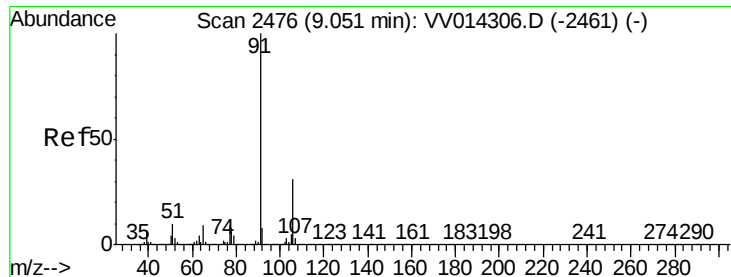
#51
 Chlorobenzene
 Concen: 18.782 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Tgt Ion:	112	Resp:	3209087
Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.5	39.9
77	63.0	51.0	76.4



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 20.099 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

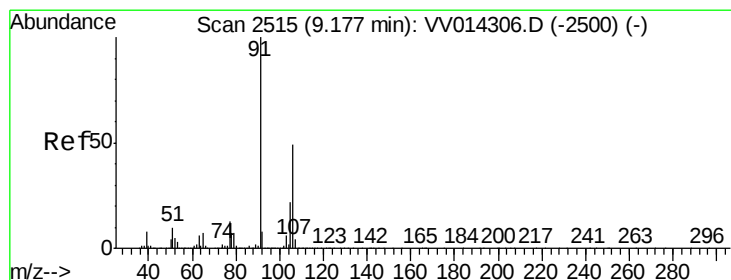
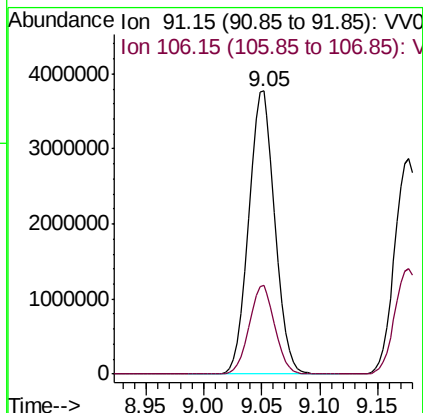
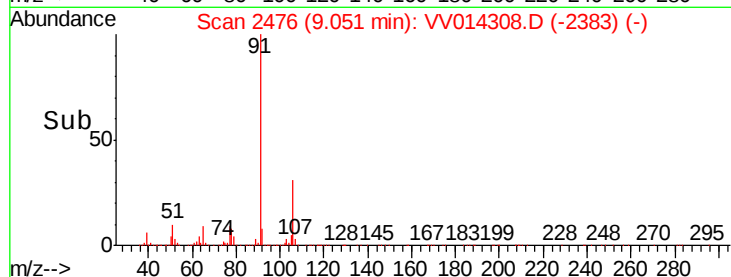
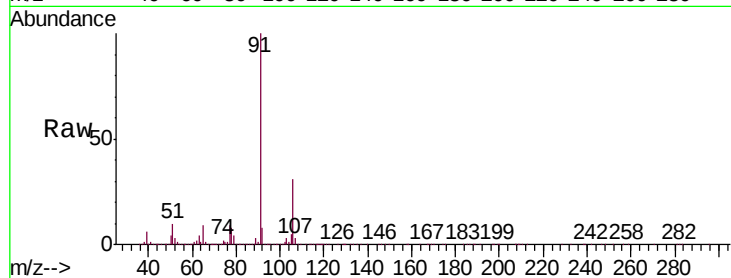
VSTD020345

Tgt Ion: 91 Resp: 5948511

Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



#53

m,p-xylene

Concen: 20.207 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014308.D

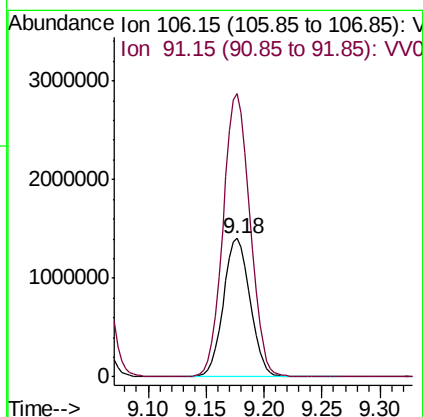
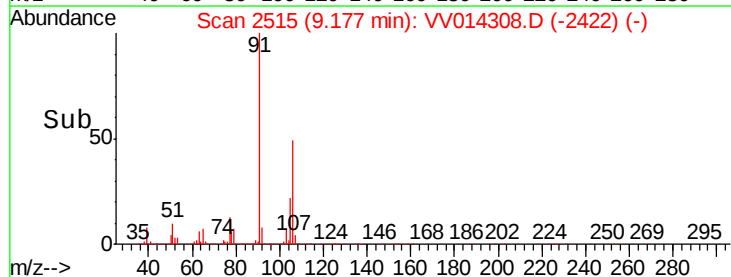
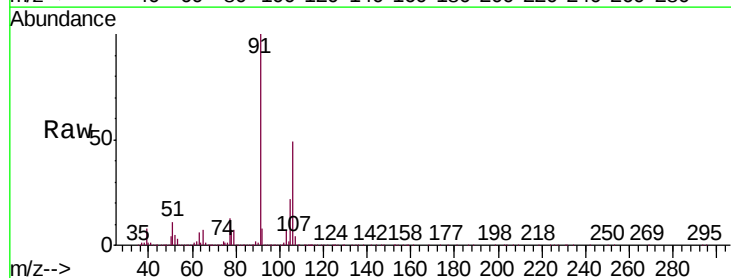
Acq: 15 Jan 2020 11:23

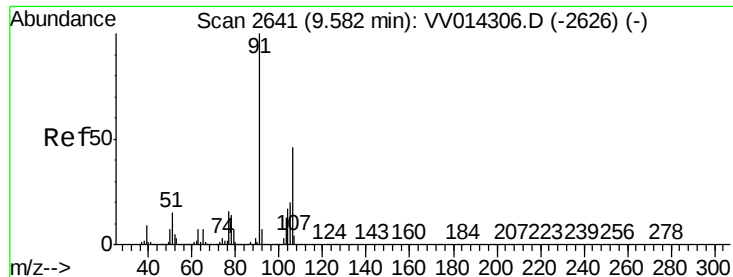
Tgt Ion: 106 Resp: 2246930

Ion Ratio Lower Upper

106 100

91 204.6 143.6 266.6

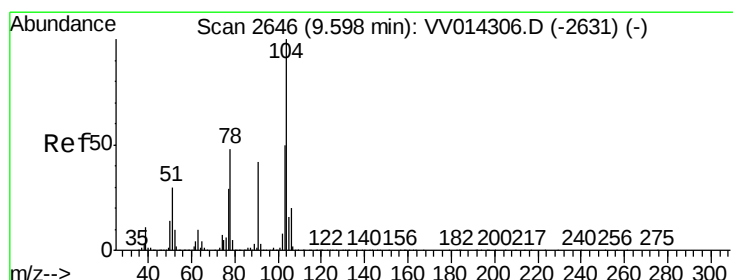
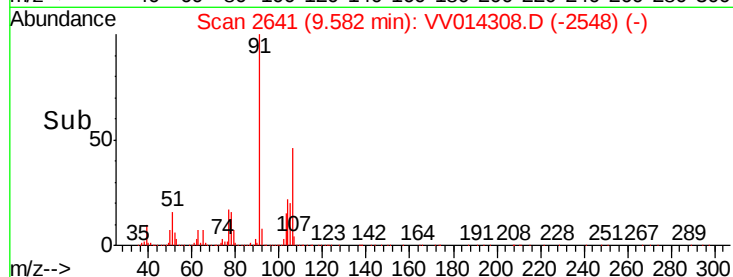
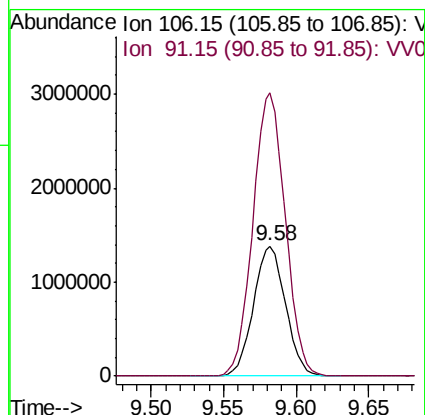
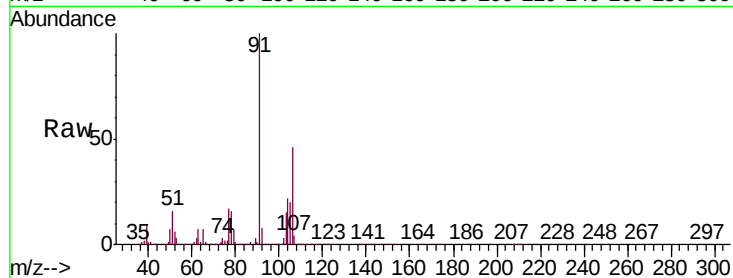




#54
o-xylene
Concen: 19.969 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

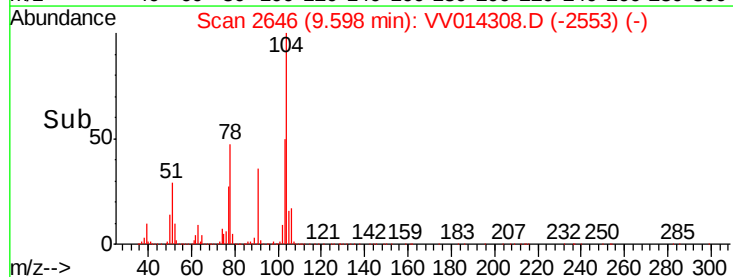
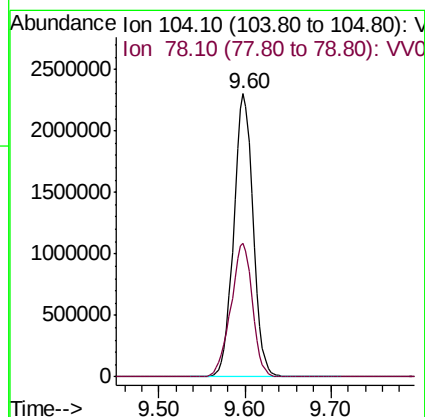
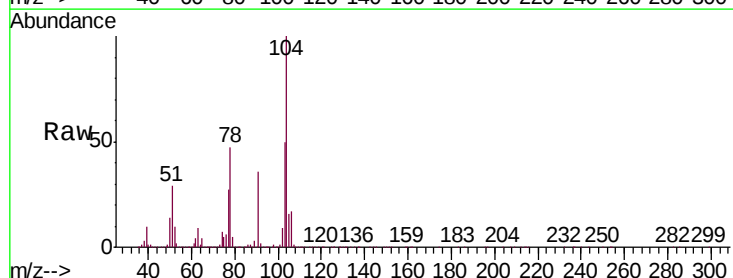
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

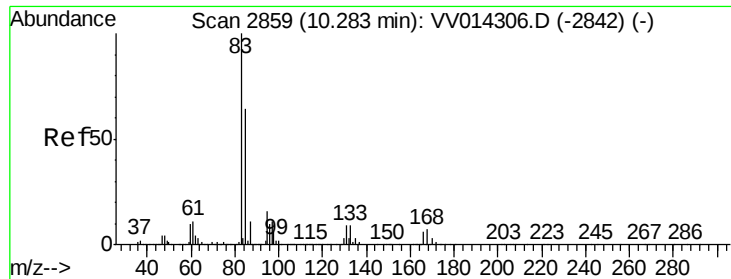
Tgt Ion:106 Resp: 2126275
Ion Ratio Lower Upper
106 100
91 217.8 153.0 284.2



#55
Styrene
Concen: 20.165 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion:104 Resp: 3590560
Ion Ratio Lower Upper
104 100
78 47.4 33.8 62.8

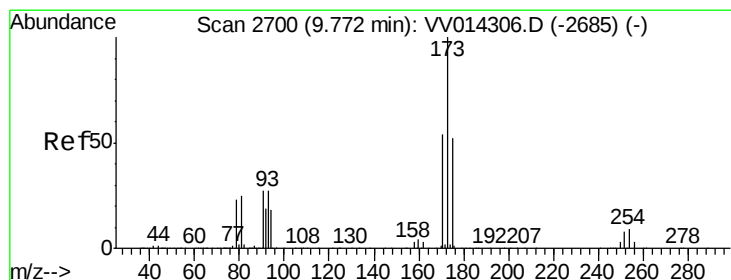
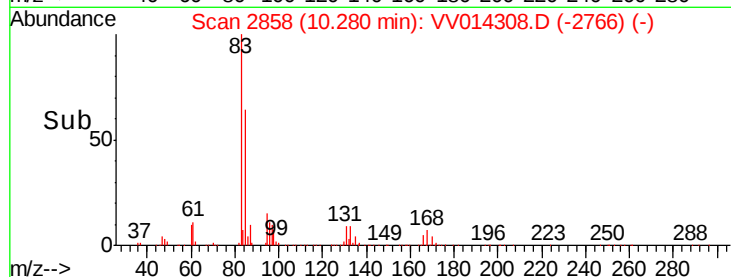
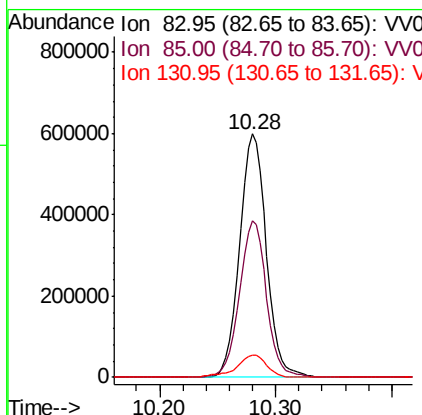
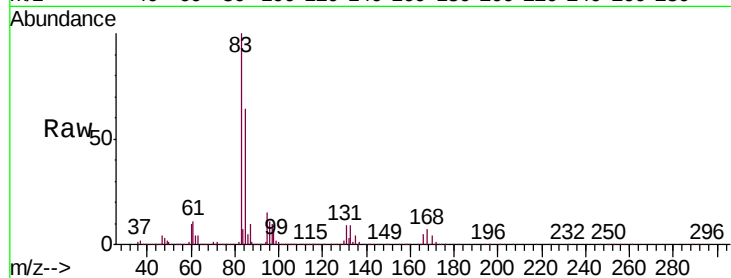




#57
1,1,2,2-Tetrachloroethane
Concen: 21.178 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

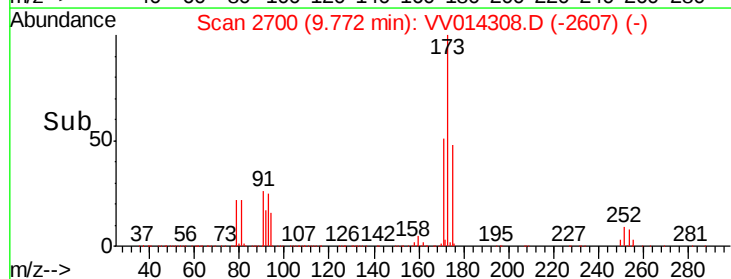
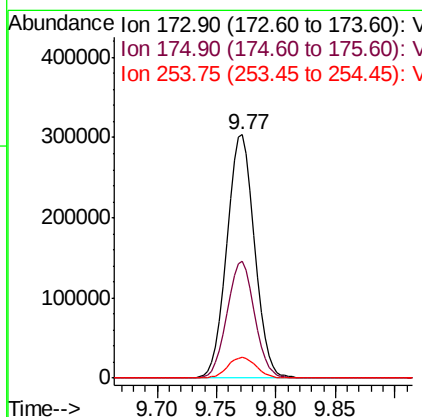
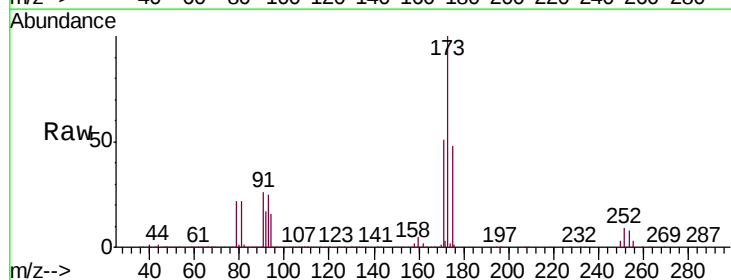
Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

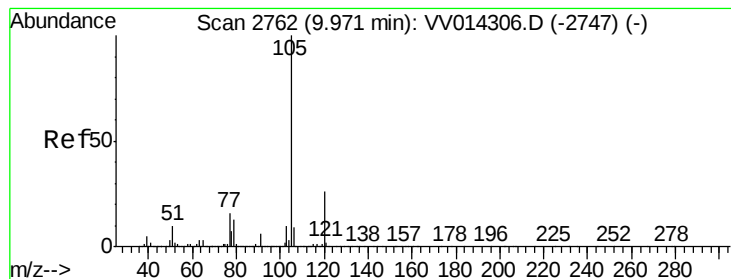
Tgt Ion: 83 Resp: 953122
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.9
131 9.2 7.0 10.6



#59
Bromoform
Concen: 20.194 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion: 173 Resp: 490074
Ion Ratio Lower Upper
173 100
175 47.9 40.4 60.6
254 8.8 7.2 10.8





#60

Isopropylbenzene

Concen: 21.665 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD020345

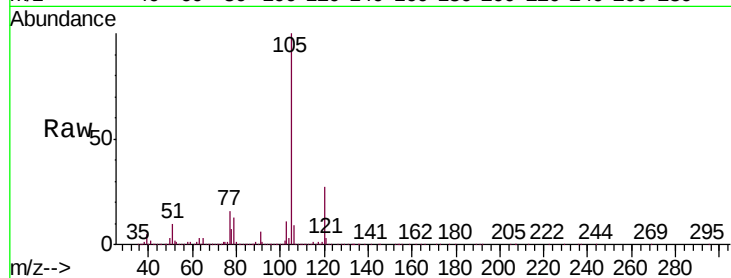
Tgt Ion: 105 Resp: 5708921

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

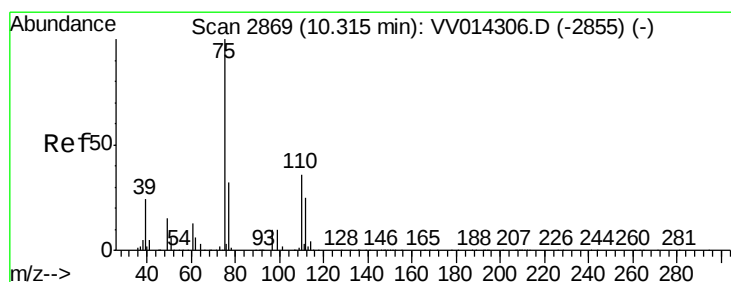
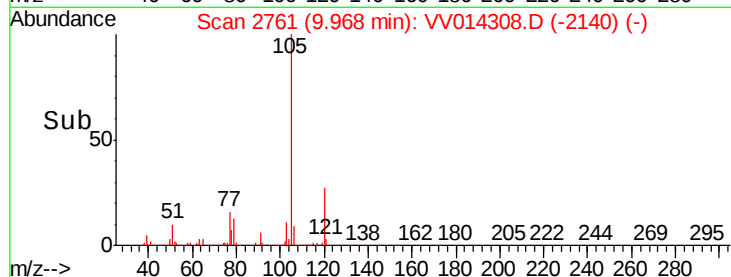
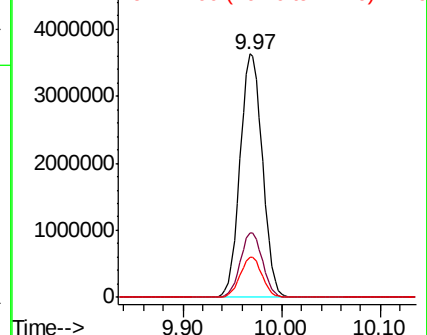
77 16.1 12.7 19.1



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



#61

1,2,3-Trichloropropane

Concen: 22.291 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

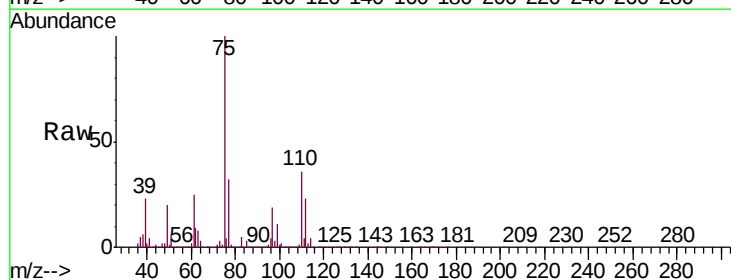
Tgt Ion: 75 Resp: 685312

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

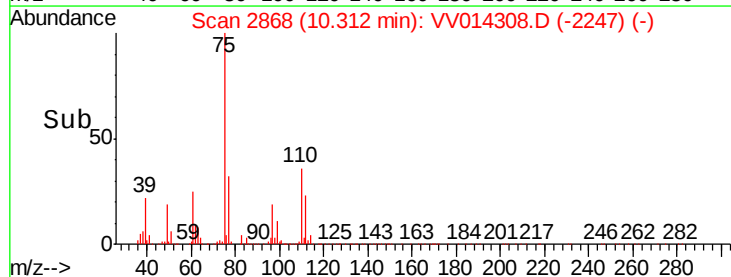
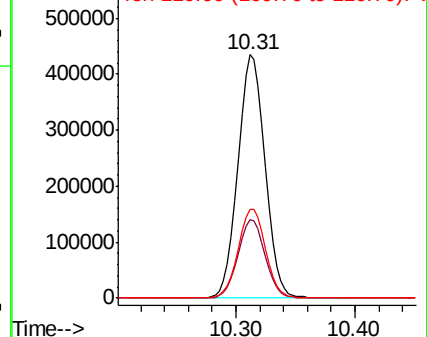
110 37.0 29.8 44.6

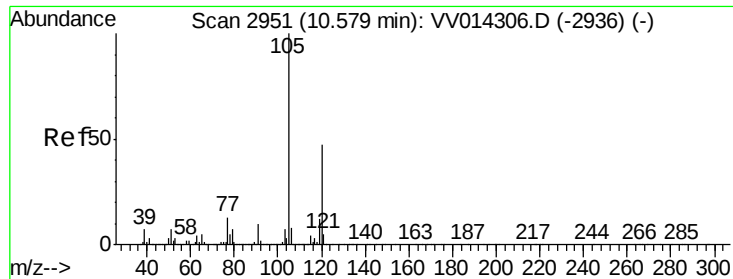


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 22.559 ug/L

RT: 10.58 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

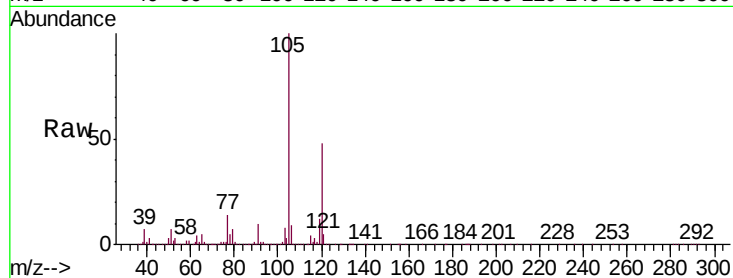
VSTD020345

Tgt Ion:105 Resp: 4929346

Ion Ratio Lower Upper

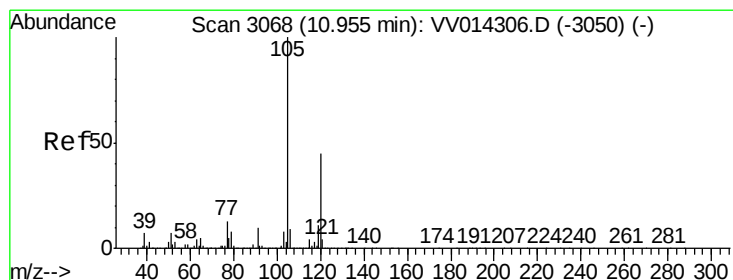
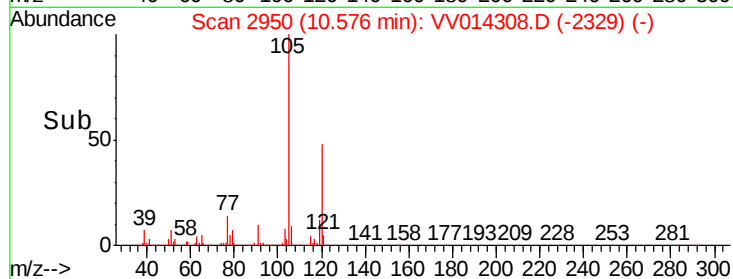
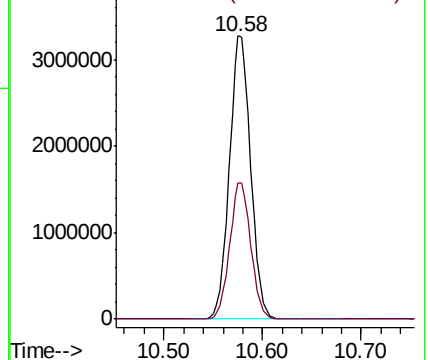
105 100

120 48.0 37.9 56.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 22.731 ug/L

RT: 10.95 min Scan# 3067

Delta R.T. -0.00 min

Lab File: VV014308.D

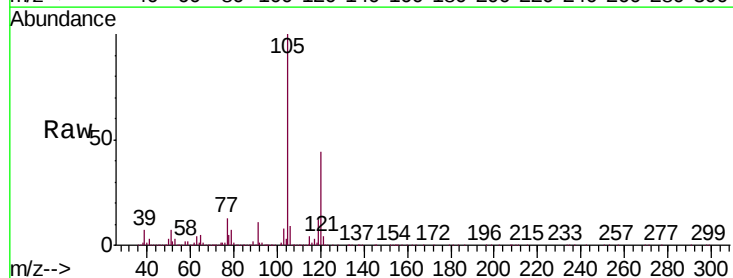
Acq: 15 Jan 2020 11:23

Tgt Ion:105 Resp: 4911442

Ion Ratio Lower Upper

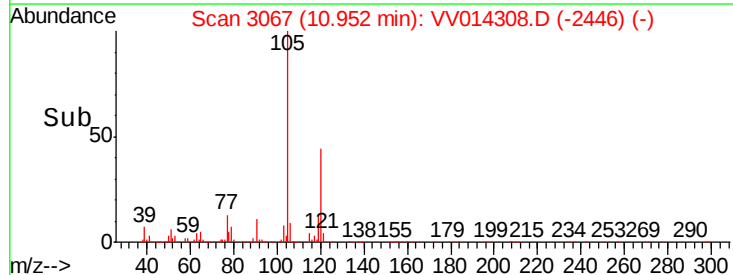
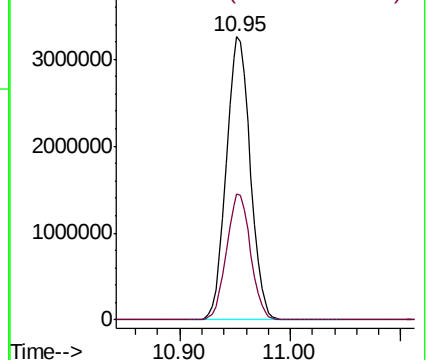
105 100

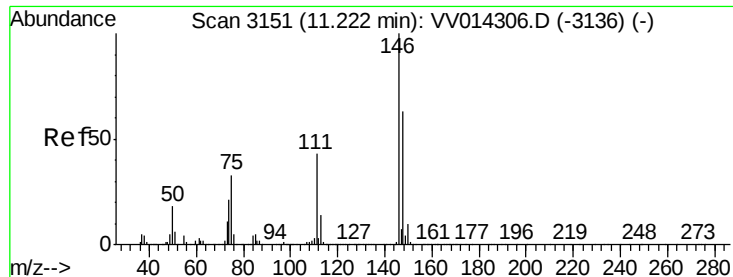
120 44.6 35.3 52.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 19.068 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD020345

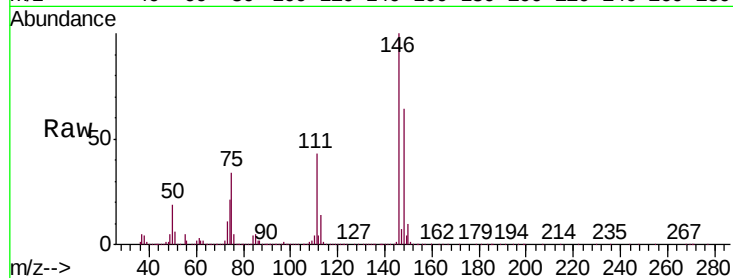
Tgt Ion:146 Resp: 2417151

Ion Ratio Lower Upper

146 100

111 43.3 29.8 55.3

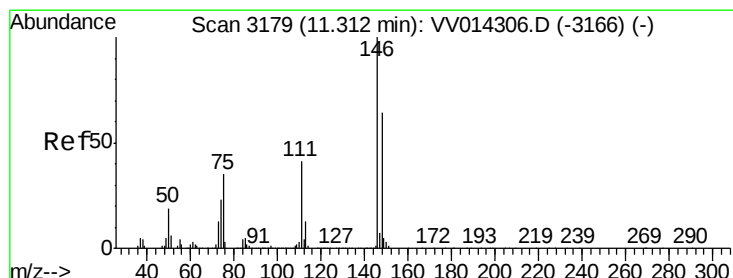
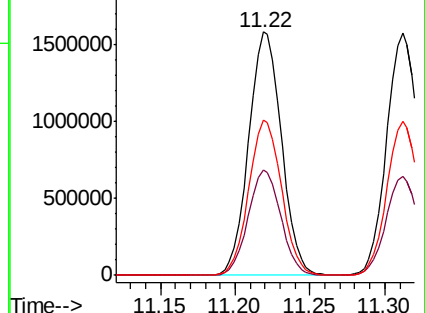
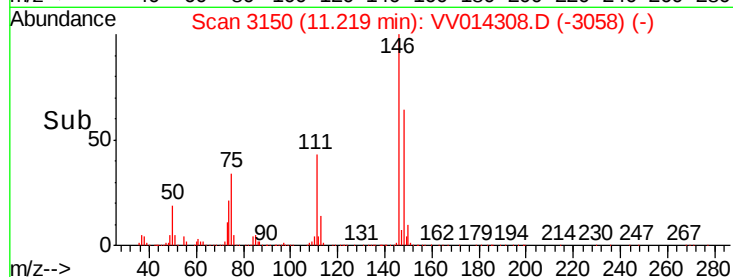
148 63.7 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 18.592 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014308.D

Acq: 15 Jan 2020 11:23

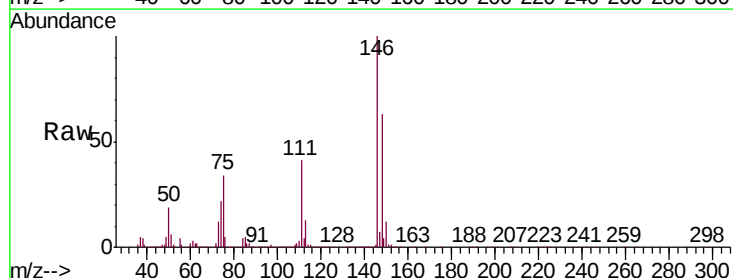
Tgt Ion:146 Resp: 2385120

Ion Ratio Lower Upper

146 100

111 40.8 29.0 53.9

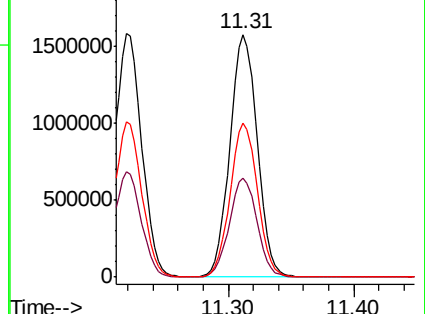
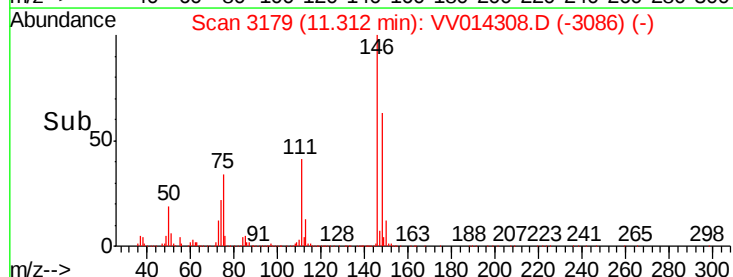
148 63.5 44.7 82.9

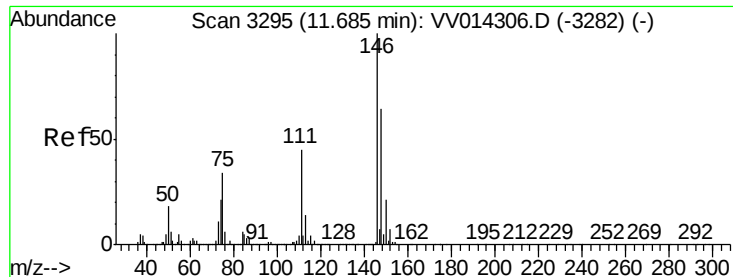


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

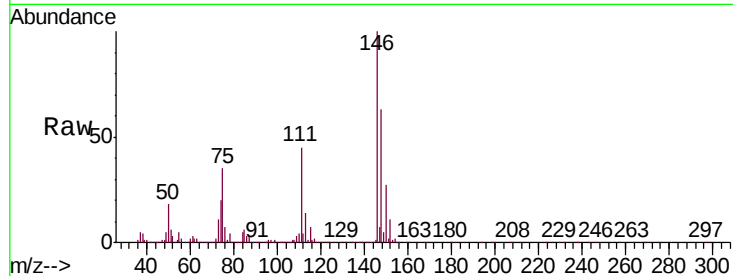




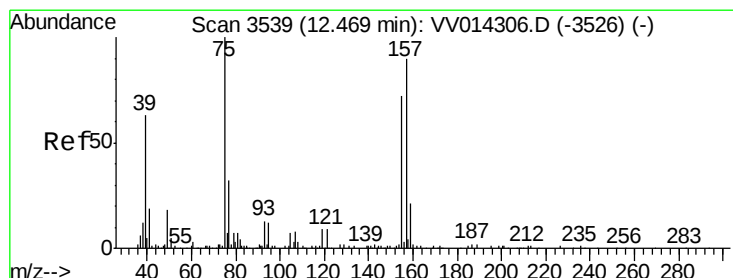
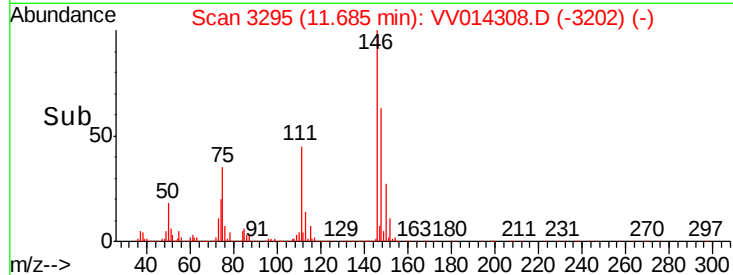
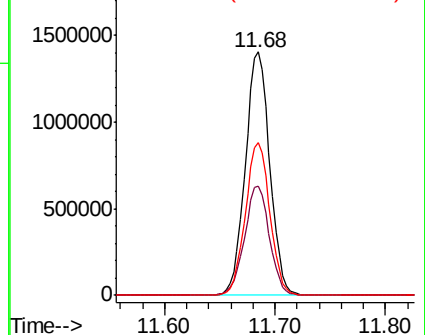
#67
 1,2-Dichlorobenzene
 Concen: 18.700 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020345

Tgt Ion:146 Resp: 2146536
 Ion Ratio Lower Upper
 146 100
 111 44.9 36.2 54.4
 148 62.7 51.1 76.7

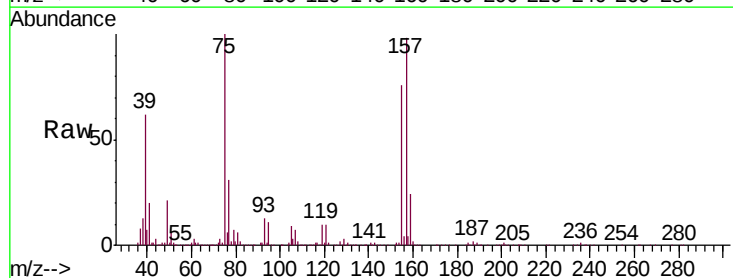


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

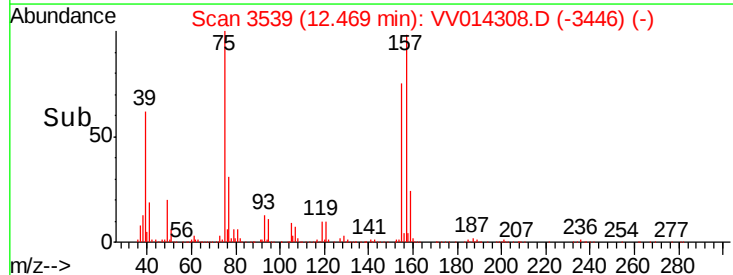
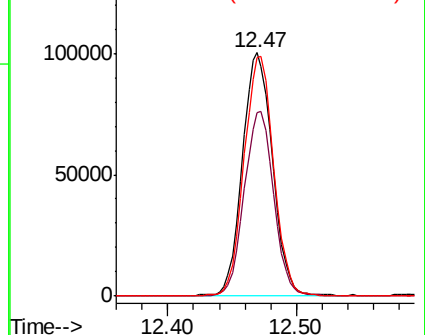


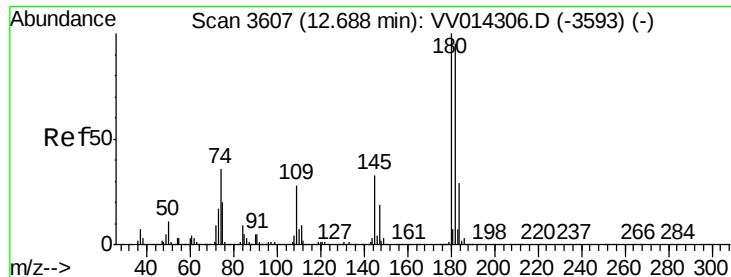
#68
 1,2-Dibromo-3-chloropropane
 Concen: 24.878 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Tgt Ion: 75 Resp: 162433
 Ion Ratio Lower Upper
 75 100
 155 75.6 58.0 87.0
 157 98.2 72.1 108.1



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

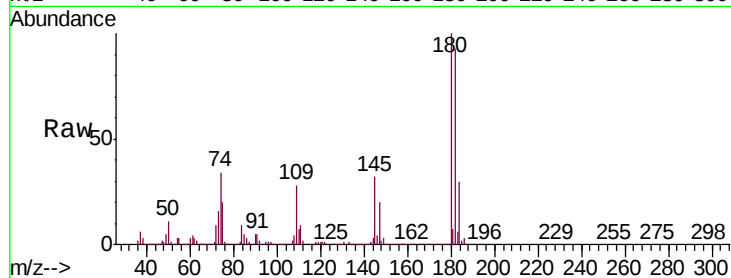




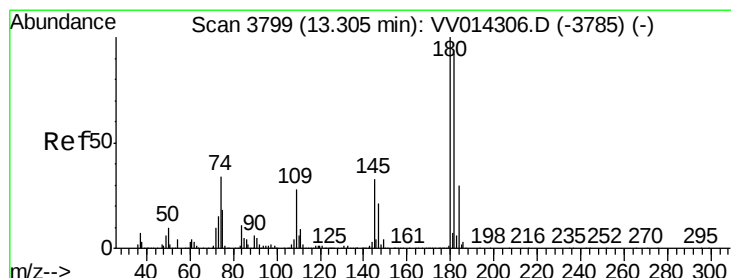
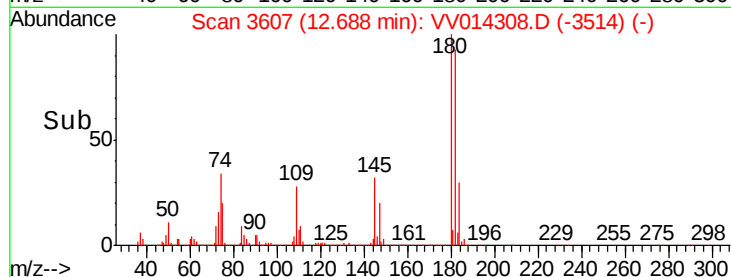
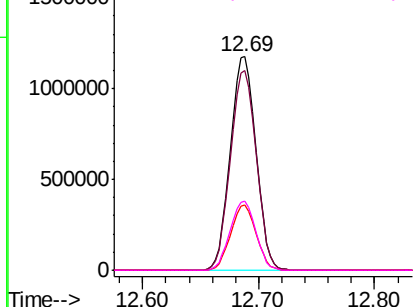
#69
 1,3,5-Trichlorobenzene
 Concen: 17.411 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020345

Tgt Ion:180 Resp: 1788511
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.6 114.8
 184 30.2 23.3 34.9
 145 32.3 26.2 39.4

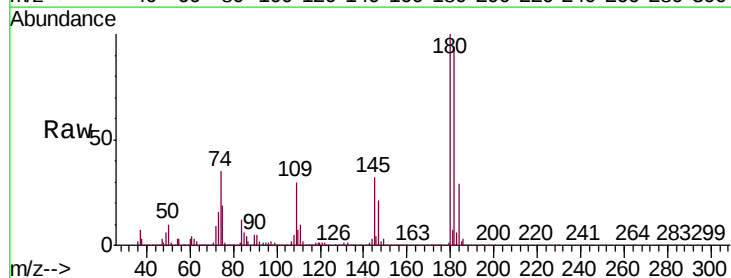


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

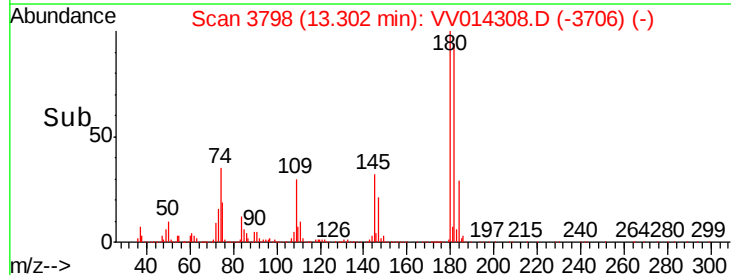
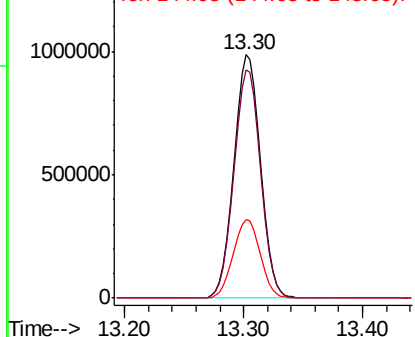


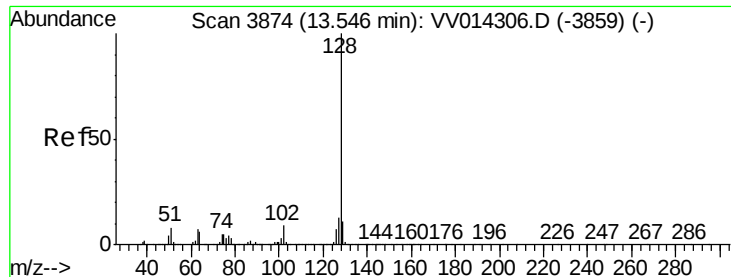
#70
 1,2,4-trichlorobenzene
 Concen: 18.527 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014308.D
 Acq: 15 Jan 2020 11:23

Tgt Ion:180 Resp: 1525936
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.8 113.8
 145 33.1 26.9 40.3



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

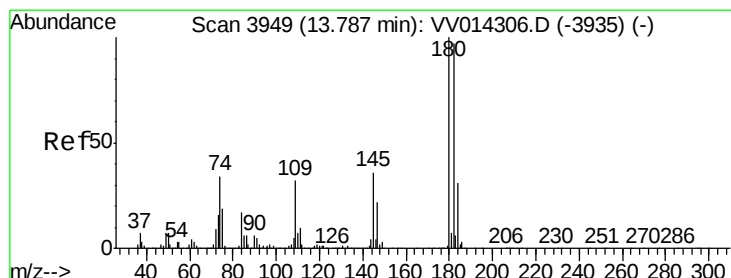
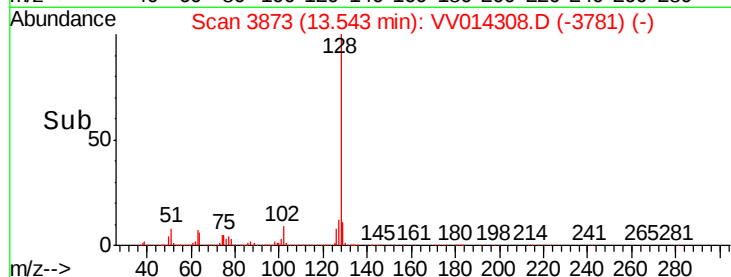
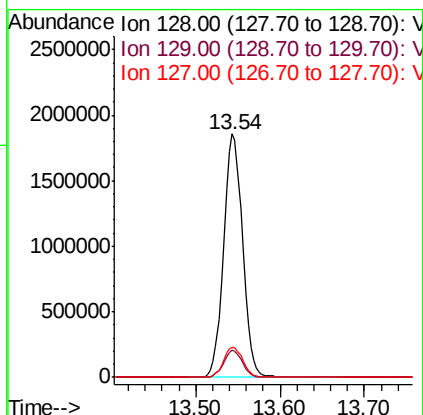
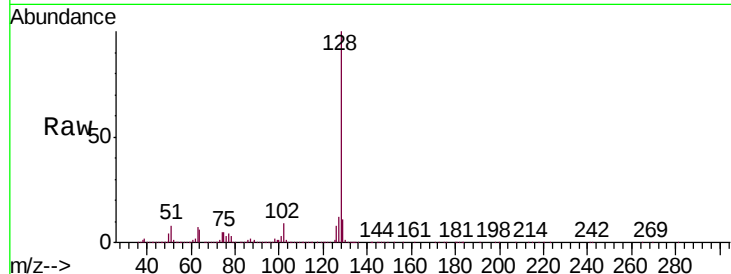




#71
Naphthalene
Concen: 23.637 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD020345

Tgt Ion:128 Resp: 2898271
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.6 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 17.969 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014308.D
Acq: 15 Jan 2020 11:23

Tgt Ion:180 Resp: 1302888
Ion Ratio Lower Upper
180 100
182 95.3 76.7 115.1
145 35.5 28.8 43.2

