

Data File : VV014307.D
Acq On : 15 Jan 2020 10:44
Operator : SY/MD
Sample : VSTD01033
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

Quant Time: Jan 16 01:55:23 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	845646	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	773417	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	365270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	581877	12.03	ug/L	0.00
7) Chloroethane-d5	1.58	69	461890	13.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	884835	10.36	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1454280	131.20	ug/L	0.00
24) Chloroform-d	4.40	84	1192216	11.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	582808	10.77	ug/L	0.00
32) Benzene-d6	5.10	84	2503048	12.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	770320	13.65	ug/L	0.00
41) Toluene-d8	7.35	98	2257038	12.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	317342	13.06	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1252516	142.45	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	514238	12.40	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	707261	11.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	727502	8.045 ug/L	98
3) Chloromethane	1.25	50	686457	11.937 ug/L	100
5) Vinyl chloride	1.32	62	639440	11.136 ug/L	99
6) Bromomethane	1.54	94	361539	10.727 ug/L	100
8) Chloroethane	1.60	64	336506	10.821 ug/L	98
9) Trichlorofluoromethane	1.77	101	769836	8.340 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	409208	9.793 ug/L	99
12) 1,1-Dichloroethene	2.14	96	392285	10.085 ug/L	93
13) Acetone	2.23	43	765735	121.811 ug/L #	53
14) Carbon disulfide	2.32	76	1903895	15.525 ug/L	100
15) Methyl Acetate	2.47	43	224812	15.602 ug/L	98
16) Methylene chloride	2.53	84	656632	14.329 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	1388102	11.147 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	613469	10.837 ug/L	99
19) 1,1-Dichloroethane	3.23	63	1163559	11.430 ug/L	99
21) 2-Butanone	4.04	43	1470912	120.563 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	663592	10.971 ug/L #	99
23) Bromochloromethane	4.30	128	244917	9.537 ug/L	97
25) Chloroform	4.42	83	1147208	9.341 ug/L	100
27) 1,2-Dichloroethane	5.18	62	645245	9.469 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	974464	10.258 ug/L	99
30) Cyclohexane	4.72	56	1180248	13.514 ug/L	100
31) Carbon tetrachloride	4.87	117	842535	9.994 ug/L	98
33) Benzene	5.14	78	2535273	11.770 ug/L	100
34) Trichloroethene	5.95	95	654283	10.842 ug/L	99
35) Methylcyclohexane	6.17	83	1167926	12.054 ug/L	100
37) 1,2-Dichloropropane	6.22	63	631197	12.501 ug/L	100
38) Bromodichloromethane	6.55	83	790034	11.298 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	1009263	12.715 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3648539	125.778 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2659635	11.283	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	754369	11.909	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	392855	10.606	ug/L	99
47) Tetrachloroethene	8.01	164	455547	9.111	ug/L	98
48) 2-Hexanone	8.18	43	2576120	126.234	ug/L	99
49) Dibromochloromethane	8.29	129	481182	10.614	ug/L	98
50) 1,2-Dibromoethane	8.39	107	376167	10.842	ug/L	99
51) Chlorobenzene	8.92	112	1633719	10.498	ug/L	98
52) Ethylbenzene	9.05	91	3052050	11.322	ug/L	100
53) m,p-xylene	9.18	106	1126028	11.118	ug/L	97
54) o-xylene	9.58	106	1096920	11.310	ug/L	100
55) Styrene	9.60	104	1822973	11.240	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.28	83	480486	11.721	ug/L	100
59) Bromoform	9.77	173	240351	10.752	ug/L	98
60) Isopropylbenzene	9.97	105	2930875	12.075	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	346123	12.222	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	2518588	12.513	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	2502018	12.571	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	1217503	10.427	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	1212476	10.260	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	1077107	10.186	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	79562	13.228	ug/L	99
69) 1,3,5-Trichlorobenzene	12.69	180	901611	9.528	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	753422	9.931	ug/L	99
71) Naphthalene	13.54	128	1438645	12.737	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	660965	9.896	ug/L	98

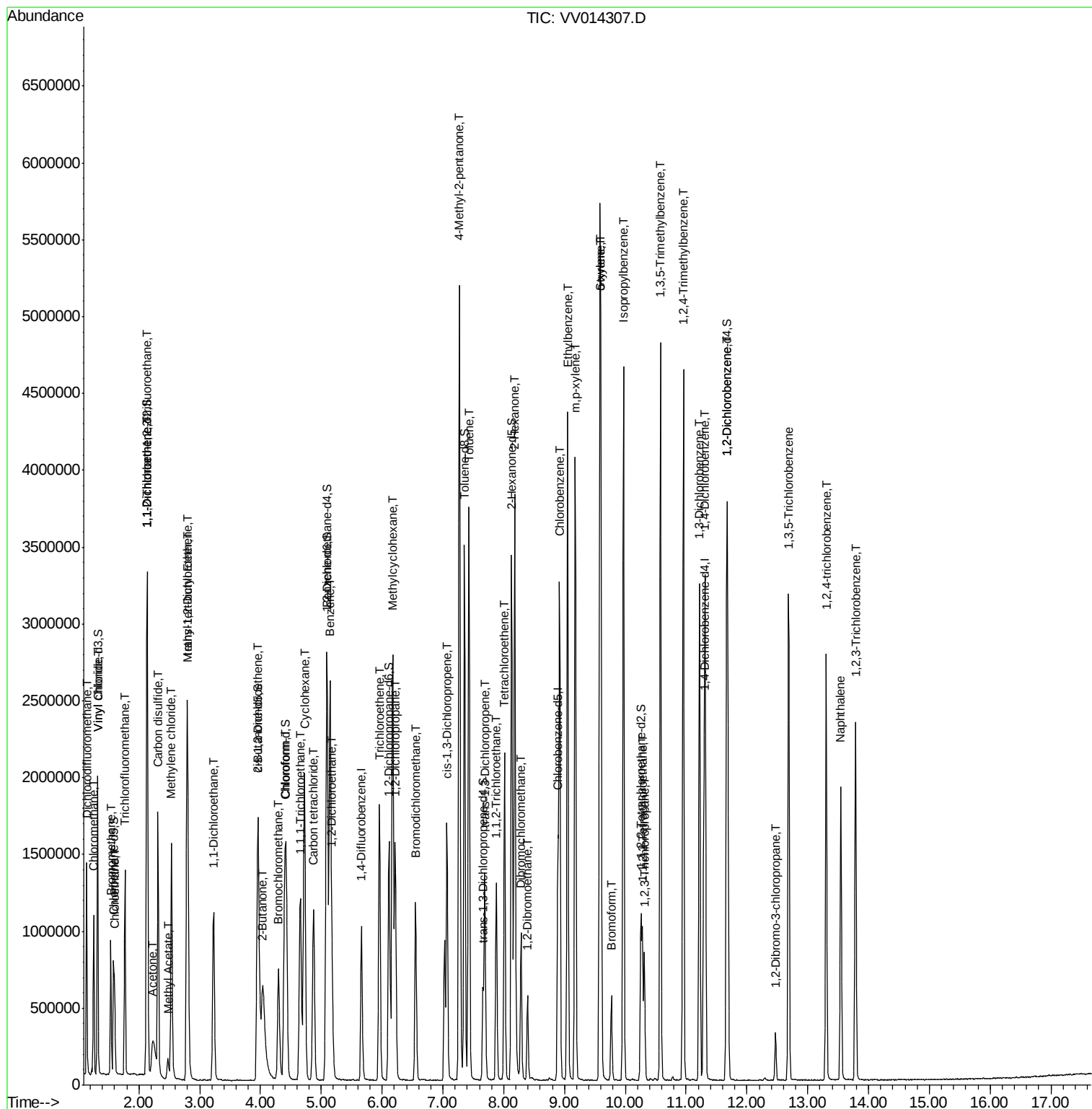
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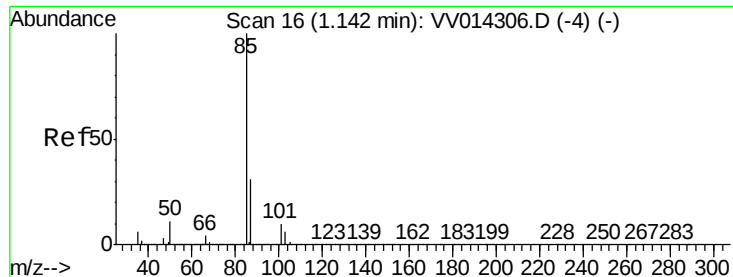
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#2

Dichlorodifluoromethane

Concen: 8.045 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

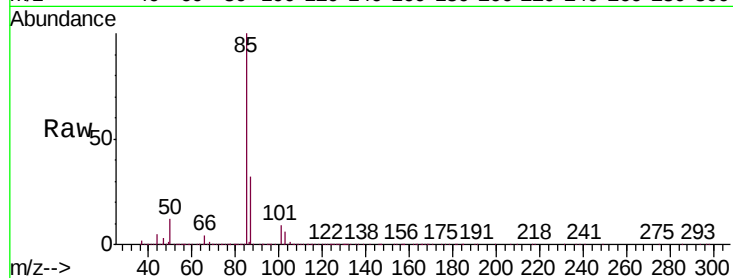
VSTD010334

Tgt Ion: 85 Resp: 727502

Ion Ratio Lower Upper

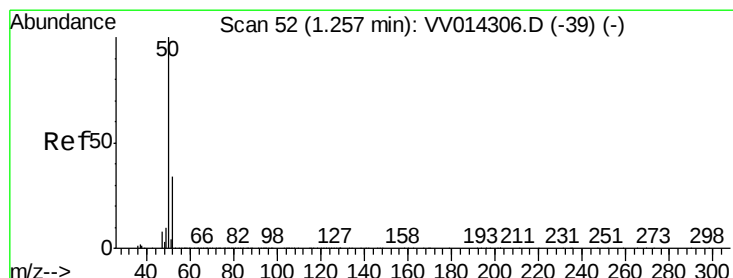
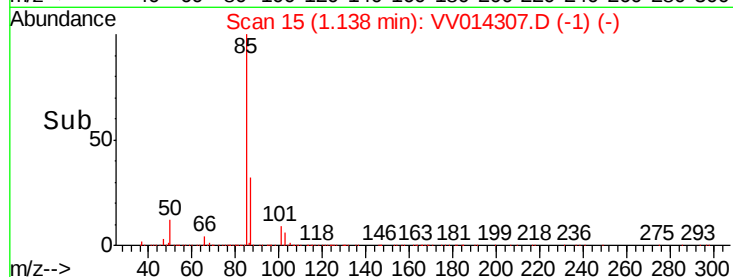
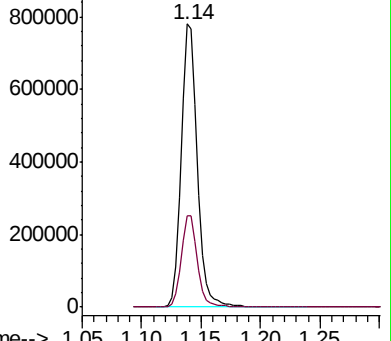
85 100

87 32.4 24.9 37.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 11.937 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014307.D

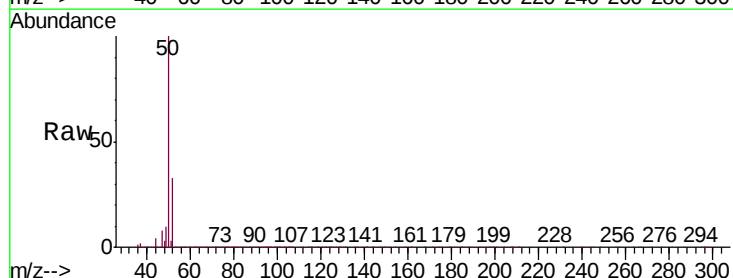
Acq: 15 Jan 2020 10:44

Tgt Ion: 50 Resp: 686457

Ion Ratio Lower Upper

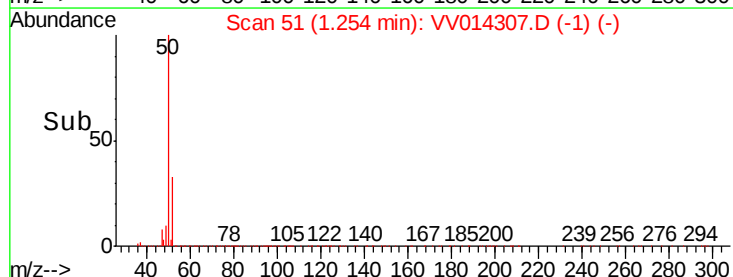
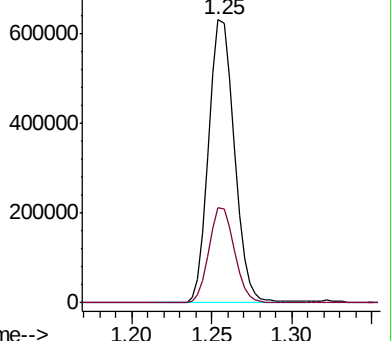
50 100

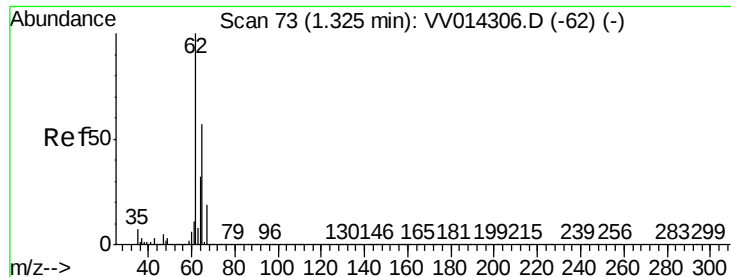
52 33.5 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 11.136 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

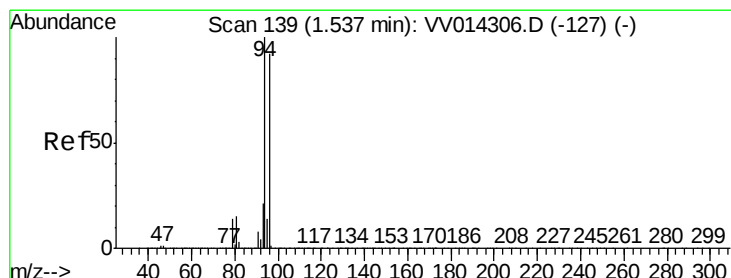
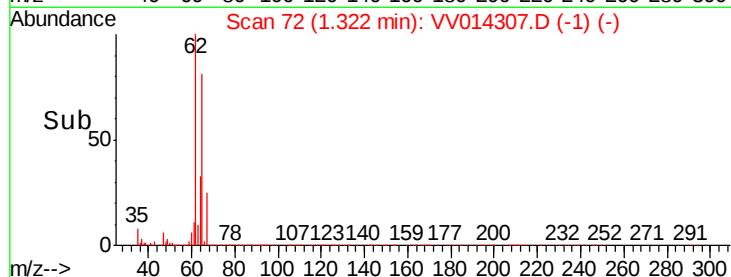
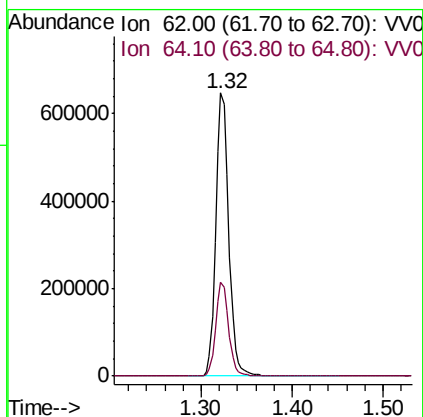
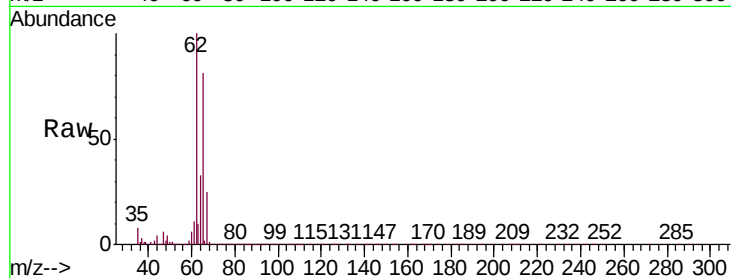
VSTD010334

Tgt Ion: 62 Resp: 639440

Ion Ratio Lower Upper

62 100

64 33.0 22.6 42.0



#6

Bromomethane

Concen: 10.727 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV014307.D

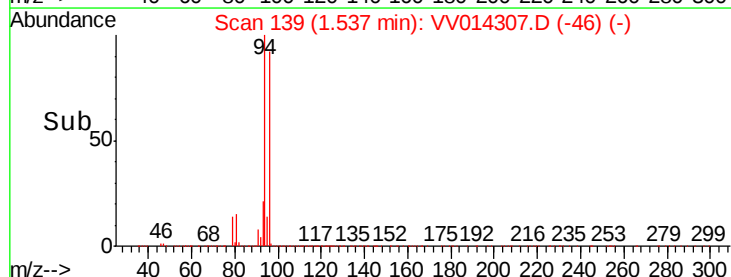
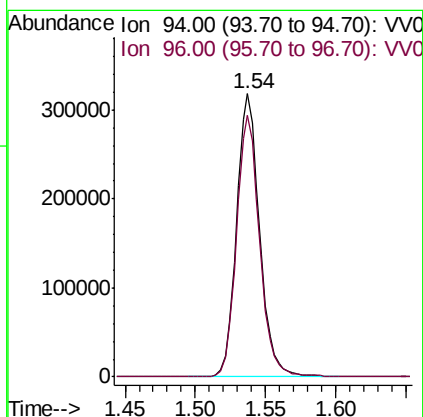
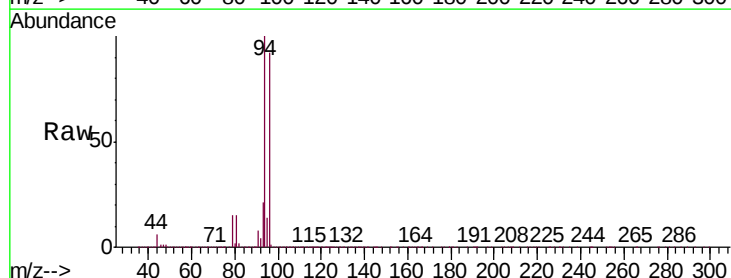
Acq: 15 Jan 2020 10:44

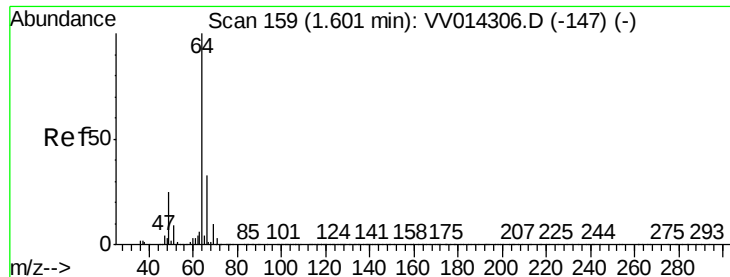
Tgt Ion: 94 Resp: 361539

Ion Ratio Lower Upper

94 100

96 92.4 64.6 120.0





#8

Chloroethane

Concen: 10.821 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

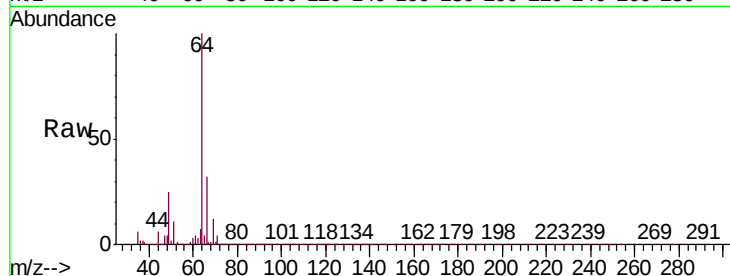
VSTD010334

Tgt Ion: 64 Resp: 336506

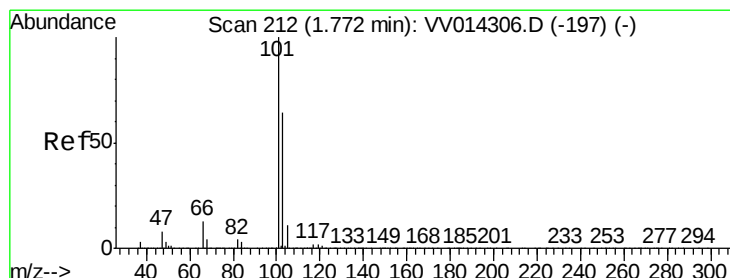
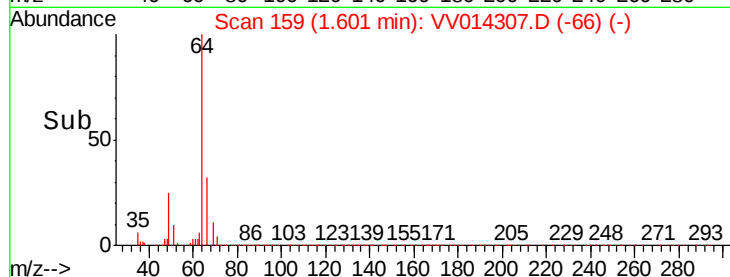
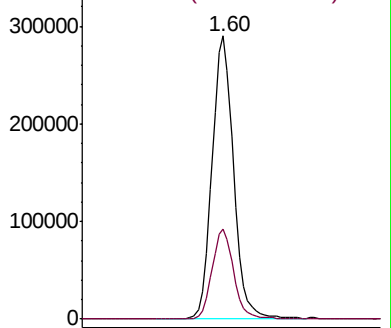
Ion Ratio Lower Upper

64 100

66 32.0 23.0 42.8



Abundance Ion 64.10 (63.80 to 64.80): VV014307.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 8.340 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014307.D

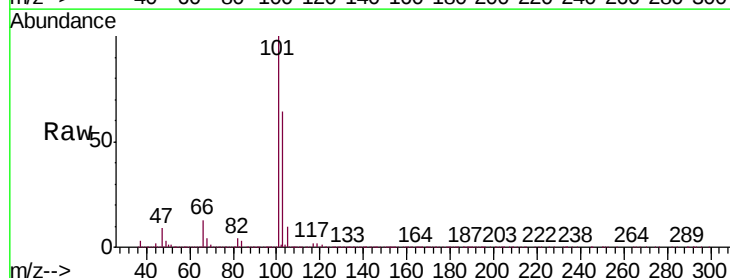
Acq: 15 Jan 2020 10:44

Tgt Ion: 101 Resp: 769836

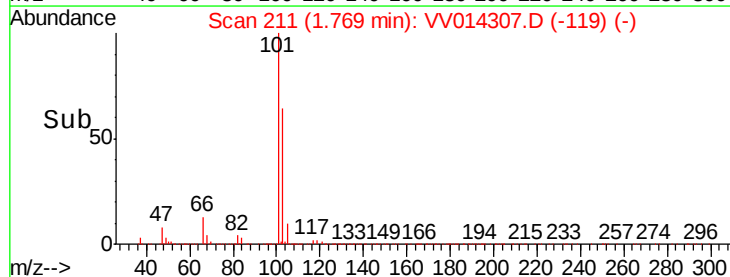
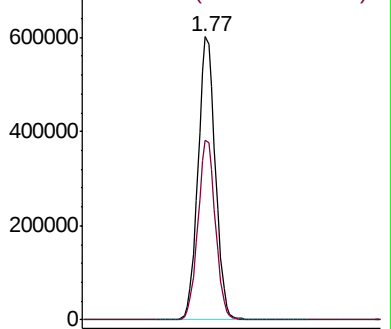
Ion Ratio Lower Upper

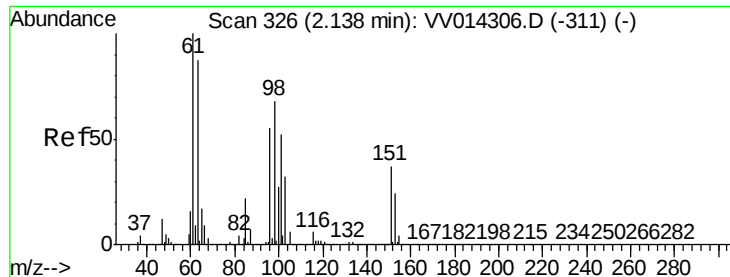
101 100

103 63.6 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV014307.D (-197) (-)





#10

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

Concen: 9.793 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD010334

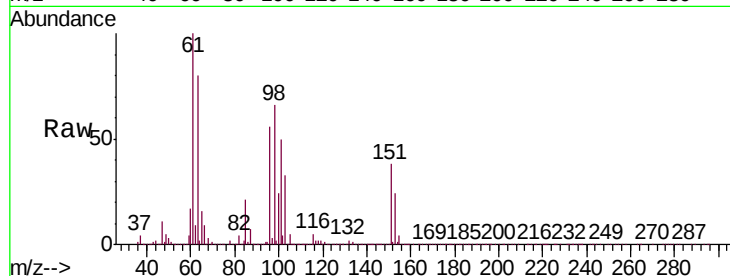
Tgt Ion: 101 Resp: 409208

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

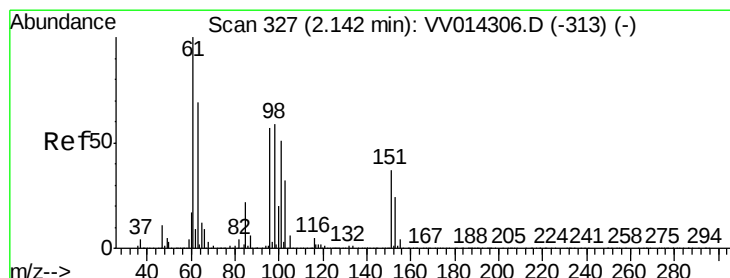
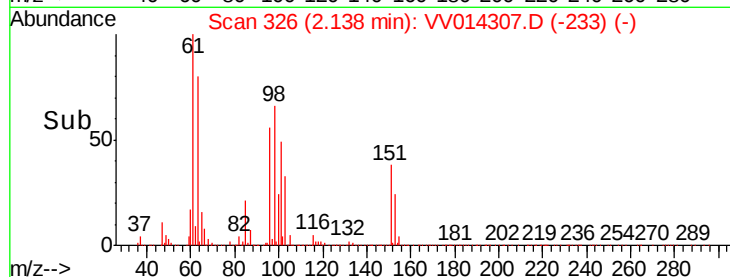
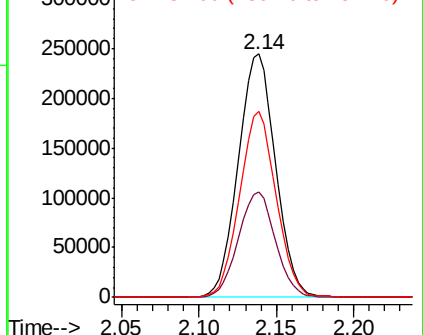
151 75.2 58.7 88.1



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: 10.085 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

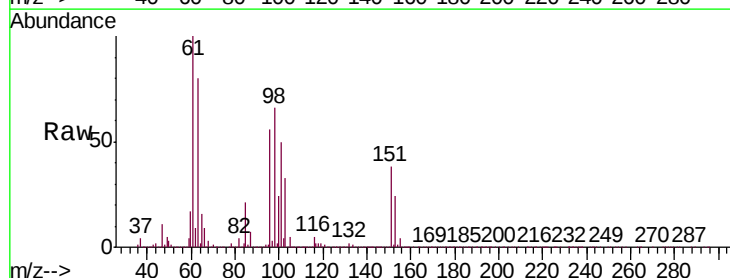
Tgt Ion: 96 Resp: 392285

Ion Ratio Lower Upper

96 100

61 177.1 123.2 228.8

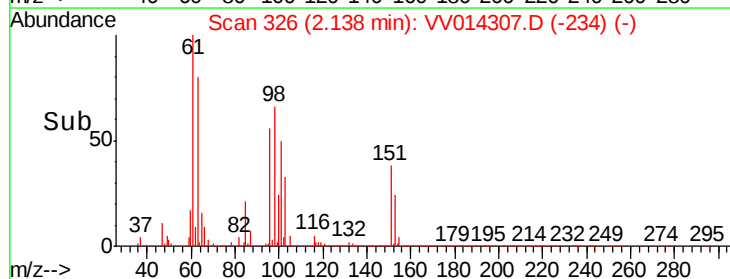
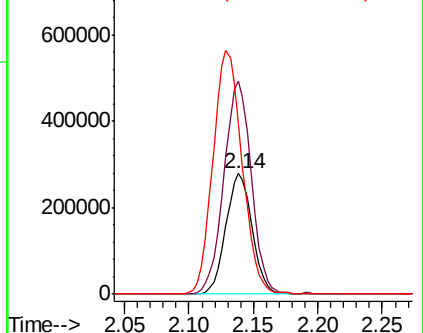
63 141.6 85.6 159.0

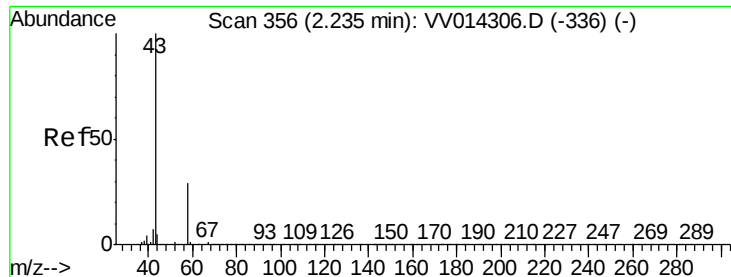


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 121.811 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

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ClientSampleId :

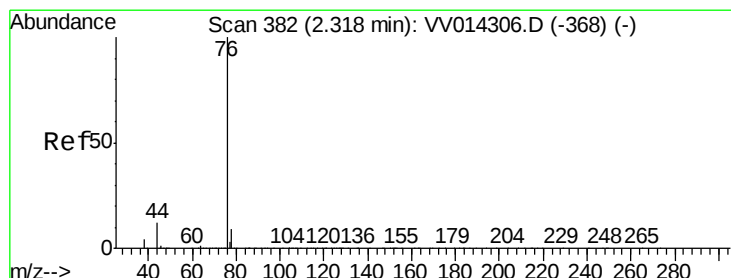
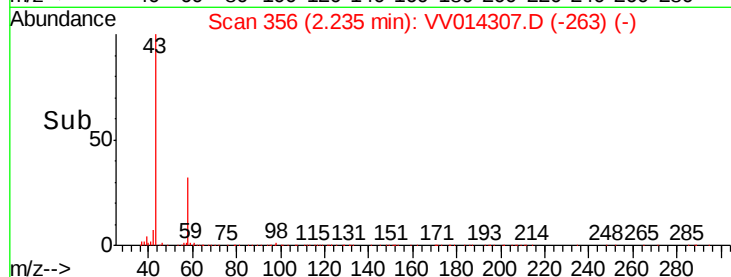
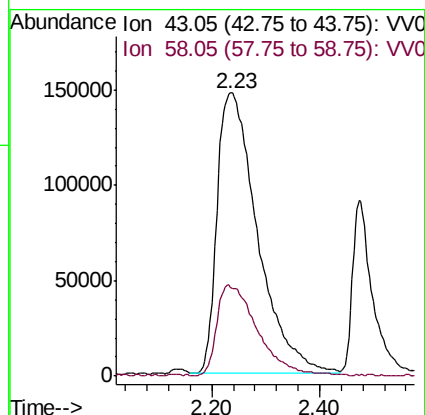
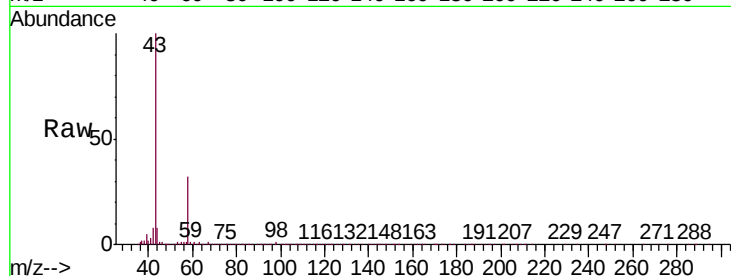
VSTD010334

Tgt Ion: 43 Resp: 765735

Ion Ratio Lower Upper

43 100

58 31.7 0.0 25.8#



#14

Carbon disulfide

Concen: 15.525 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014307.D

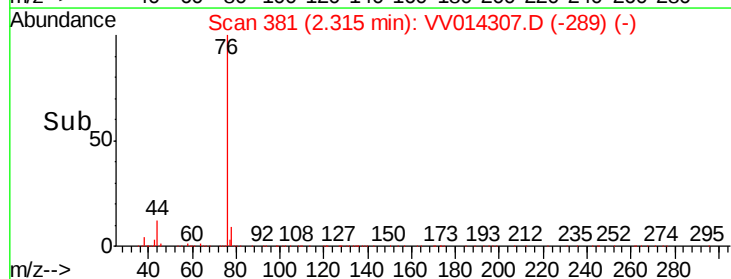
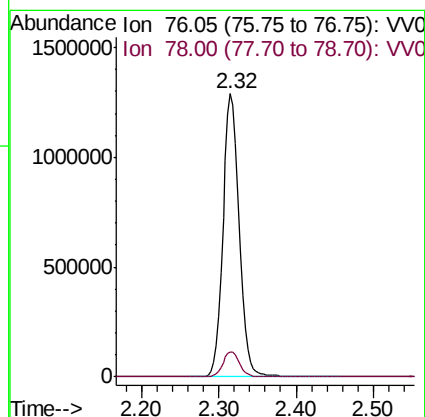
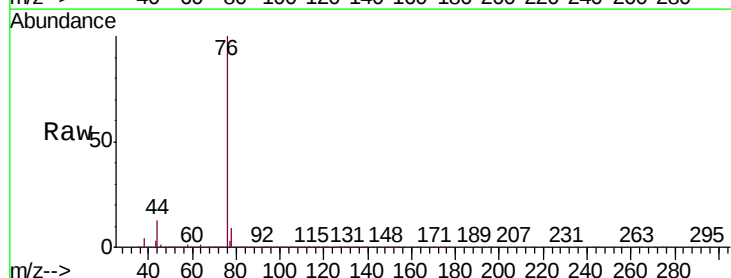
Acq: 15 Jan 2020 10:44

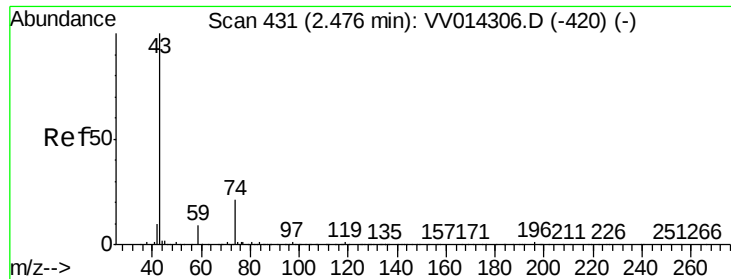
Tgt Ion: 76 Resp: 1903895

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

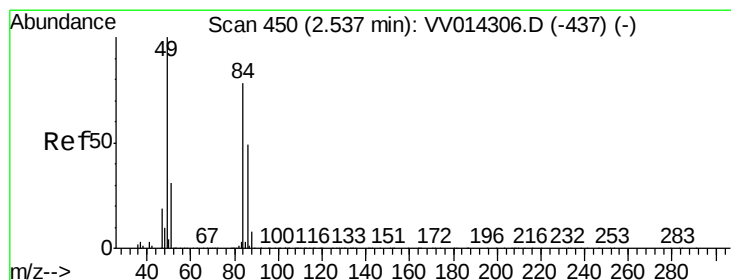
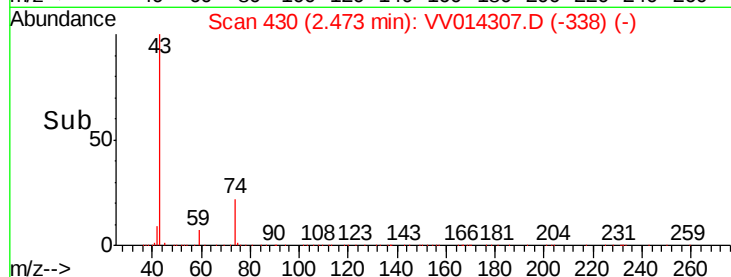
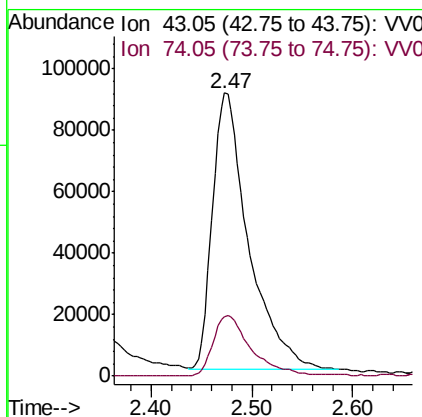
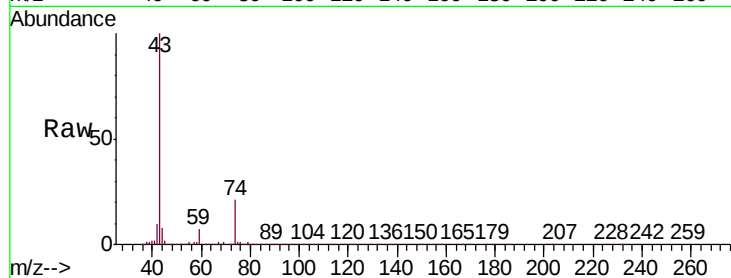




#15
Methyl Acetate
Concen: 15.602 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

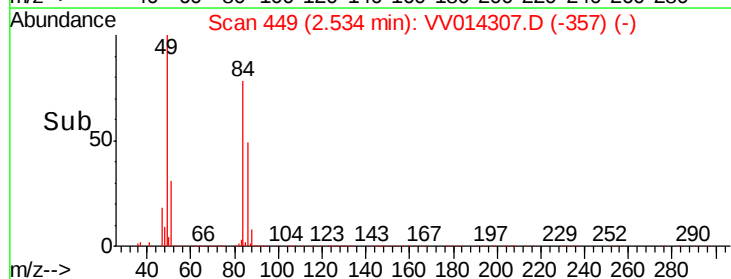
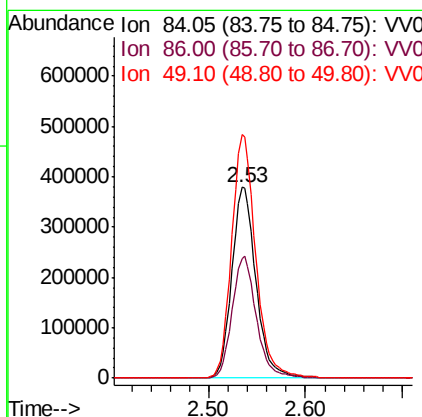
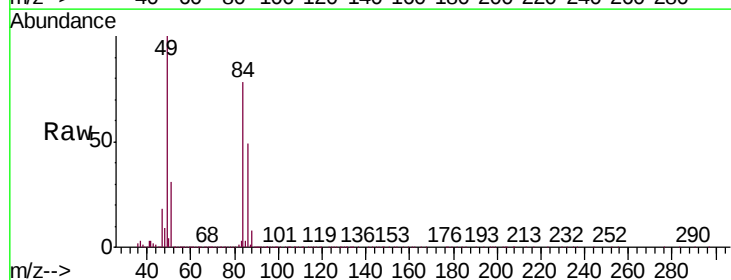
Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

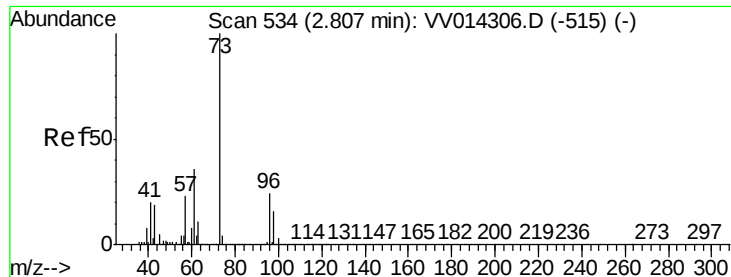
Tgt Ion: 43 Resp: 224812
Ion Ratio Lower Upper
43 100
74 22.5 18.6 28.0



#16
Methylene chloride
Concen: 14.329 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion: 84 Resp: 656632
Ion Ratio Lower Upper
84 100
86 62.9 44.4 82.4
49 127.5 90.2 167.6



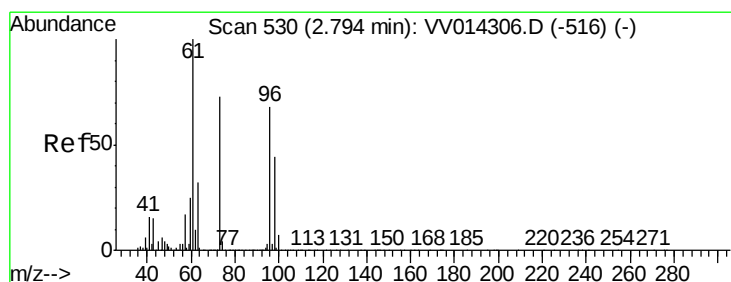
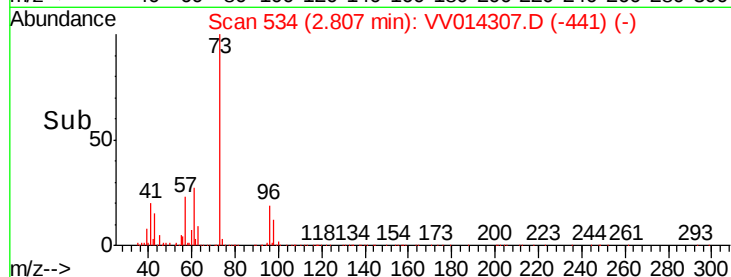
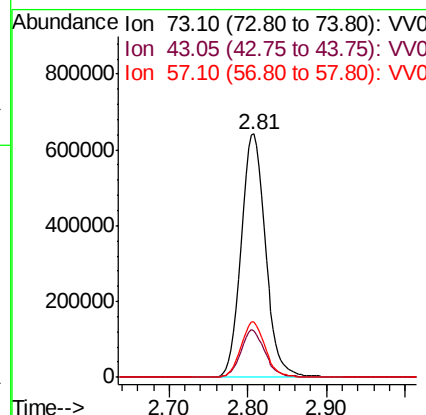
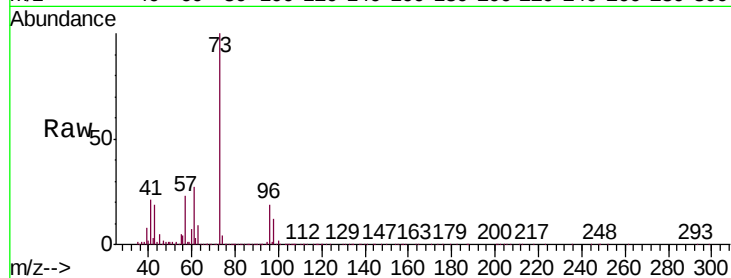


#17
Methyl tert-butyl Ether
Concen: 11.147 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

Tgt Ion: 73 Resp: 1388102

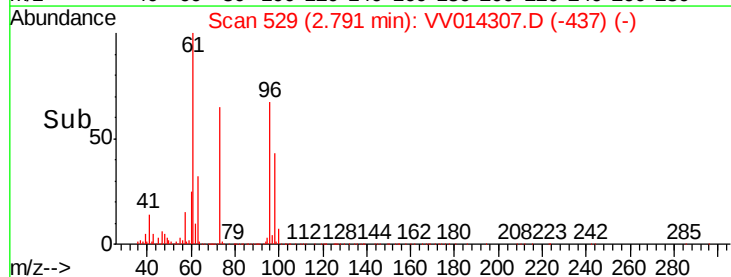
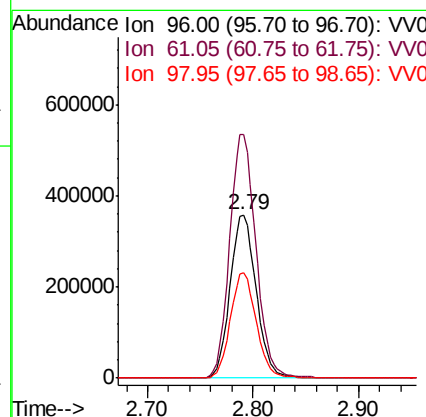
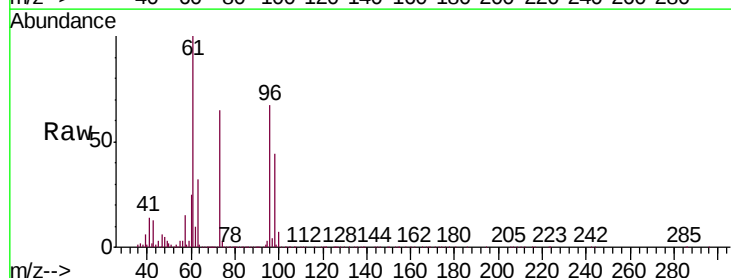
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.4	23.0
57	22.5	18.3	27.5

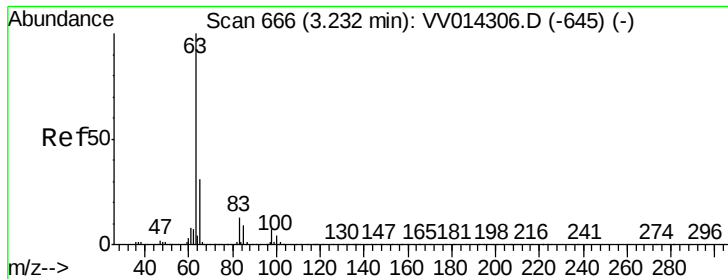


#18
trans-1,2-Dichloroethene
Concen: 10.837 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion: 96 Resp: 613469

Ion	Ratio	Lower	Upper
96	100		
61	149.2	102.9	191.1
98	65.0	45.8	85.0

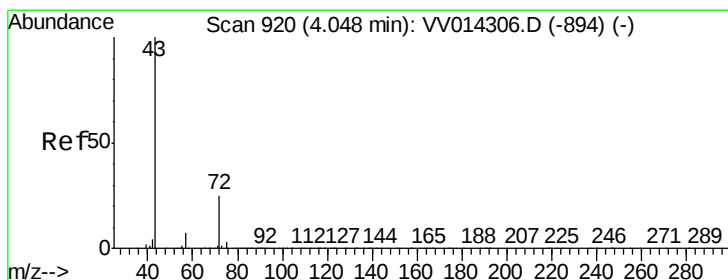
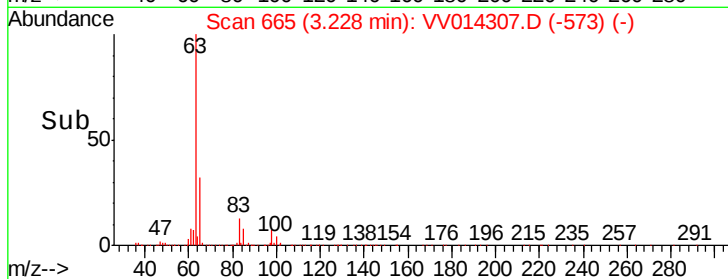
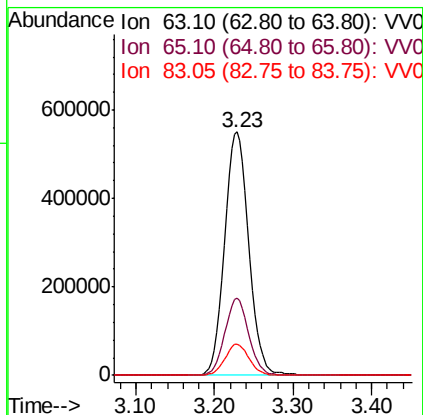
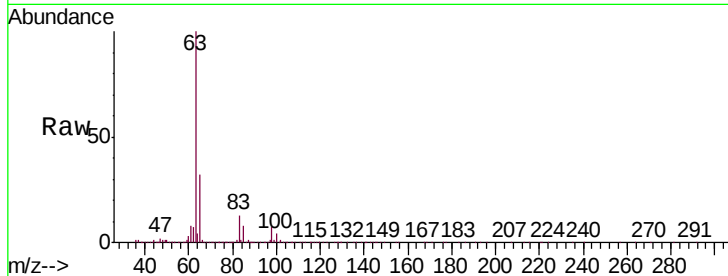




#19
 1,1-Dichloroethane
 Concen: 11.430 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

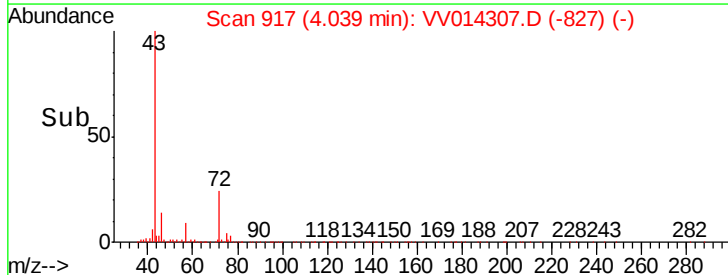
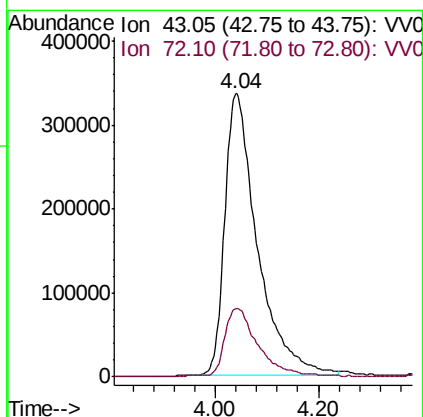
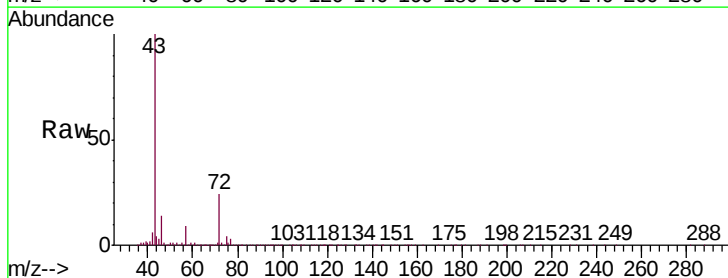
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

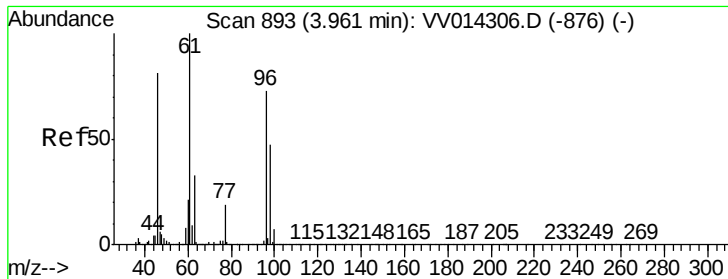
Tgt Ion: 63 Resp: 1163559
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.0
 83 12.9 9.0 16.8



#21
 2-Butanone
 Concen: 120.563 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion: 43 Resp: 1470912
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.2 36.6



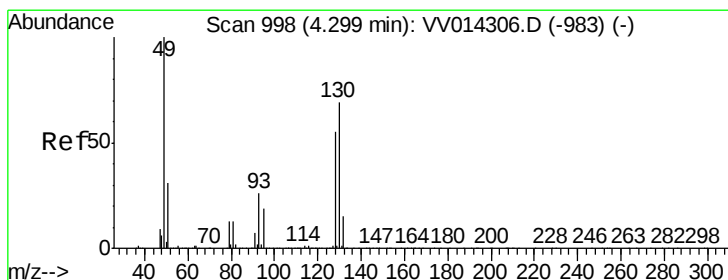
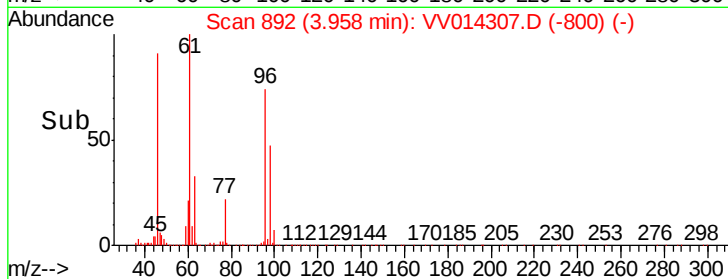
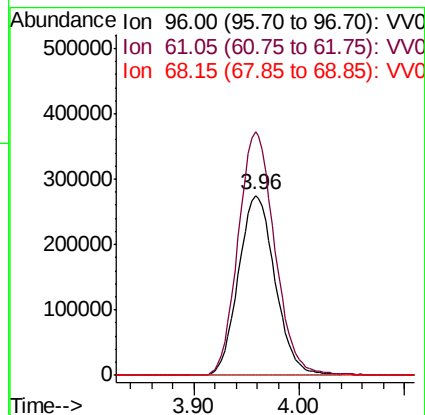
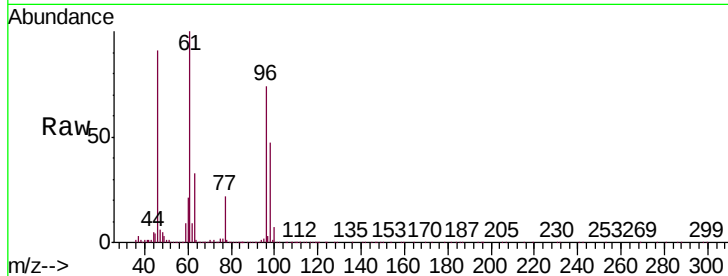


#22

cis-1,2-Dichloroethene
Concen: 10.971 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

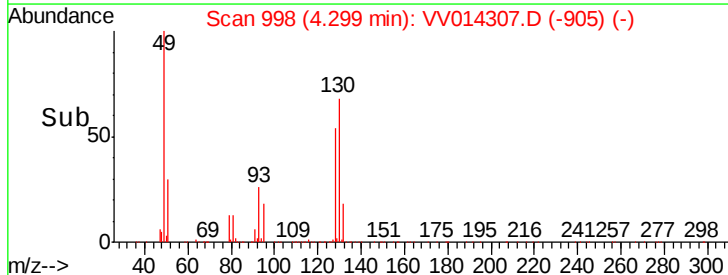
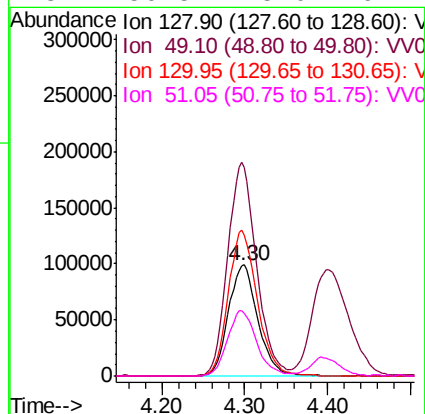
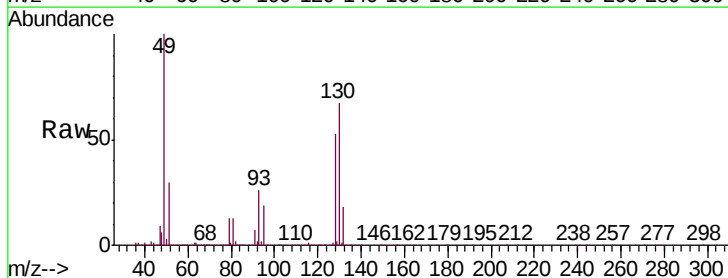
Tgt Ion: 96 Resp: 663592
Ion Ratio Lower Upper
96 100
61 135.5 95.5 177.3
68 0.1 0.1 0.3#

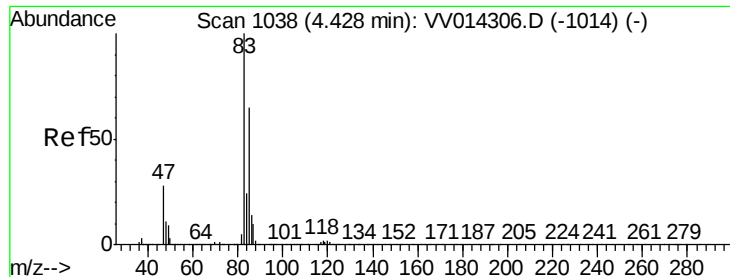


#23

Bromochloromethane
Concen: 9.537 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion: 128 Resp: 244917
Ion Ratio Lower Upper
128 100
49 188.1 127.5 236.7
130 126.9 87.5 162.5
51 56.5 45.0 67.4





#25

Chloroform

Concen: 9.341 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

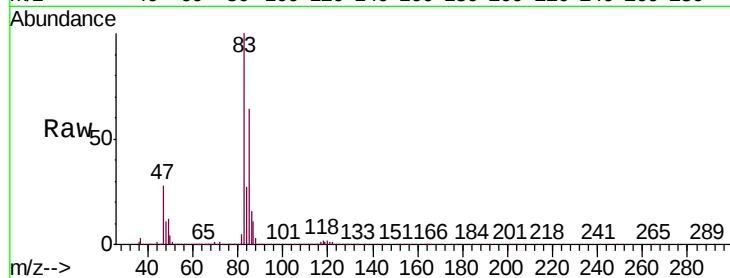
VSTD010334

Tgt Ion: 83 Resp: 1147208

Ion Ratio Lower Upper

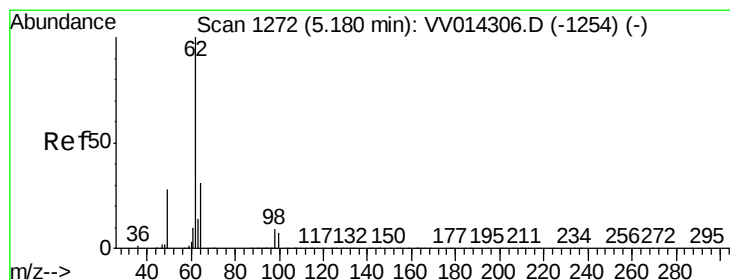
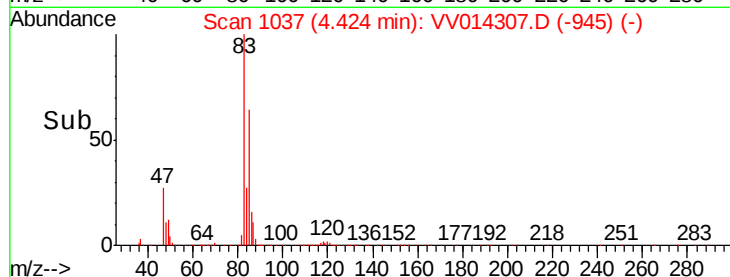
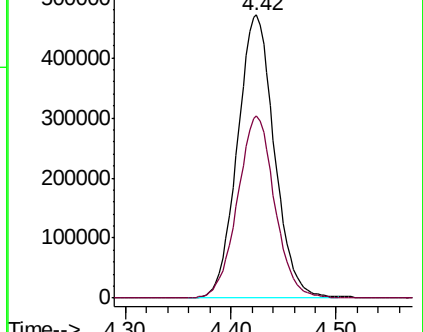
83 100

85 64.4 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 9.469 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV014307.D

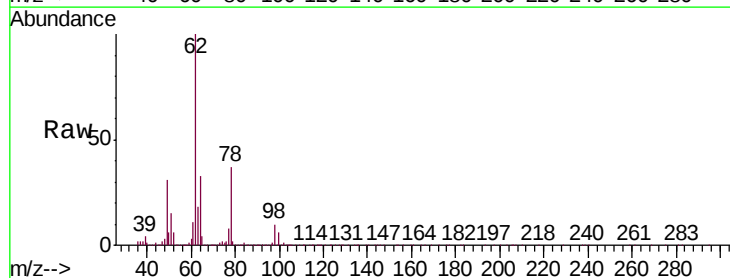
Acq: 15 Jan 2020 10:44

Tgt Ion: 62 Resp: 645245

Ion Ratio Lower Upper

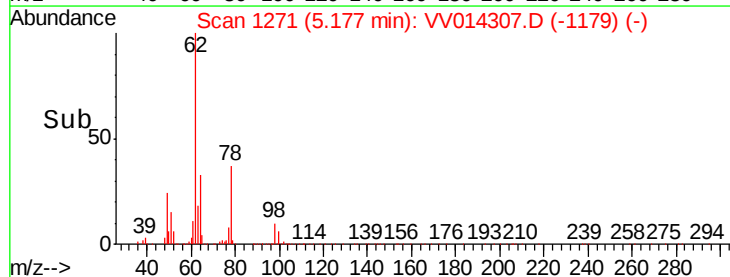
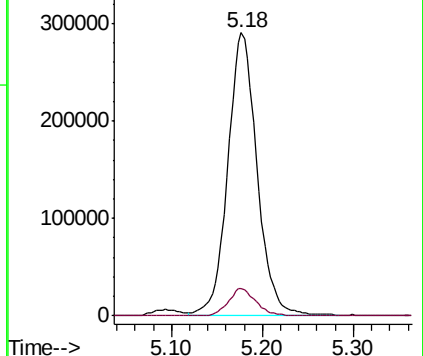
62 100

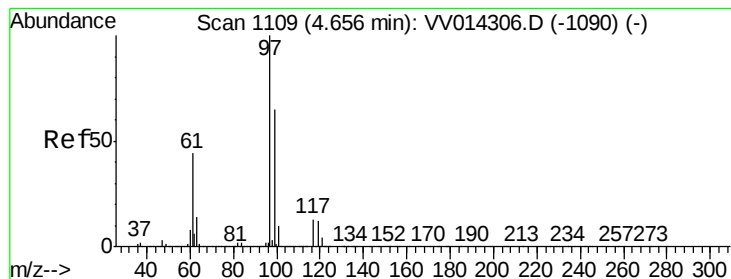
98 9.8 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 10.258 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD010334

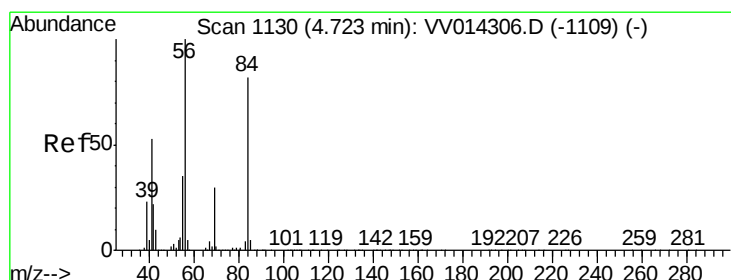
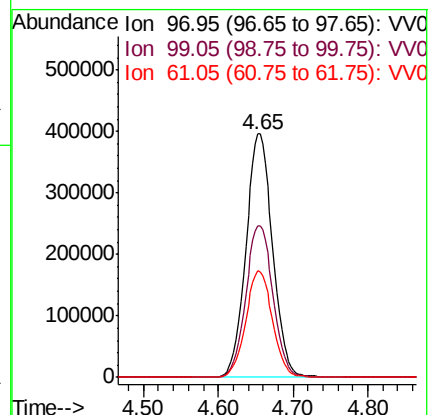
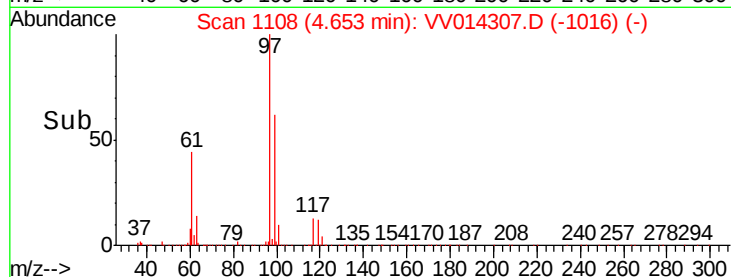
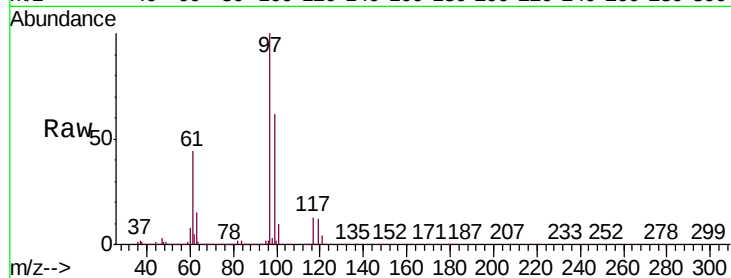
Tgt Ion: 97 Resp: 974464

Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 44.0 34.2 51.4



#30

Cyclohexane

Concen: 13.514 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

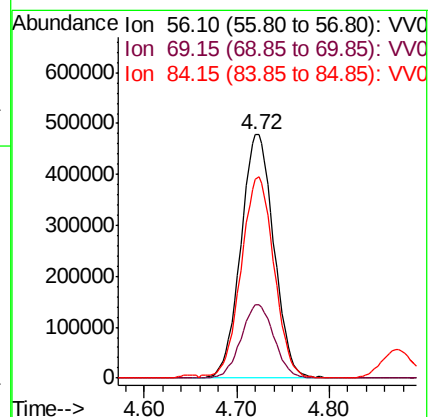
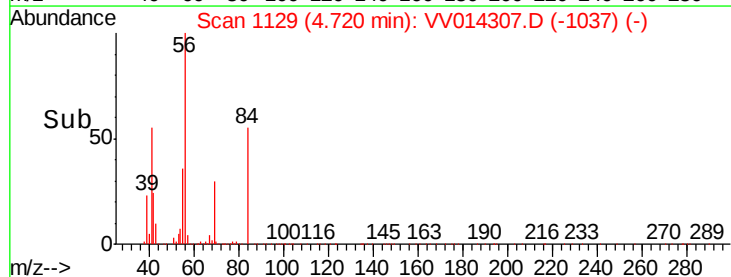
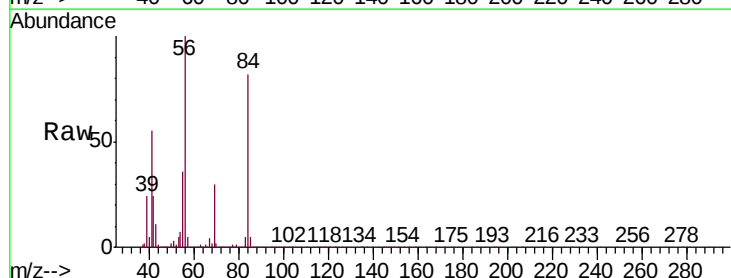
Tgt Ion: 56 Resp: 1180248

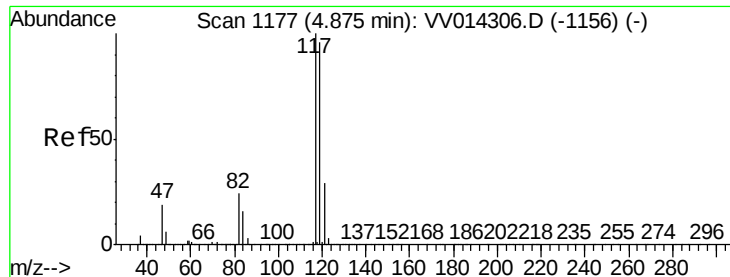
Ion Ratio Lower Upper

56 100

69 30.1 24.4 36.6

84 82.0 65.8 98.8





#31

Carbon tetrachloride

Concen: 9.994 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

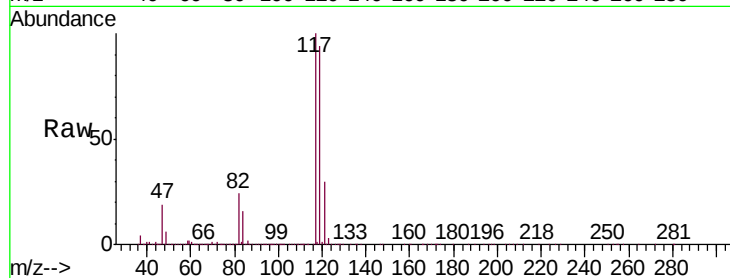
VSTD010334

Tgt Ion:117 Resp: 842535

Ion Ratio Lower Upper

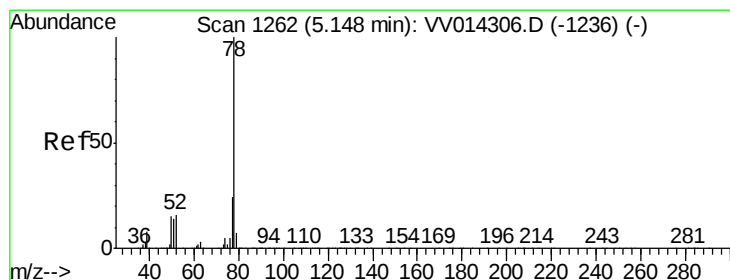
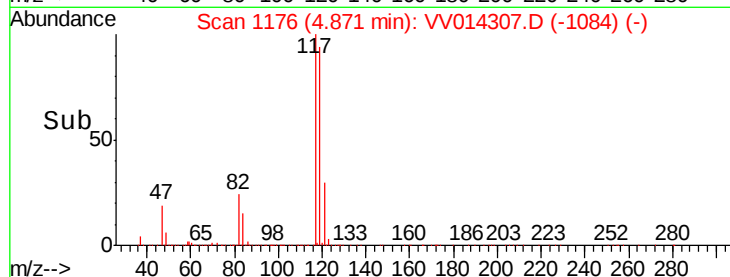
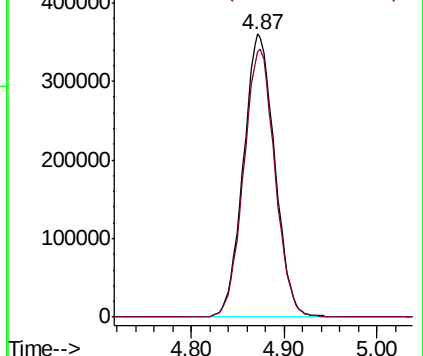
117 100

119 94.6 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 11.770 ug/L

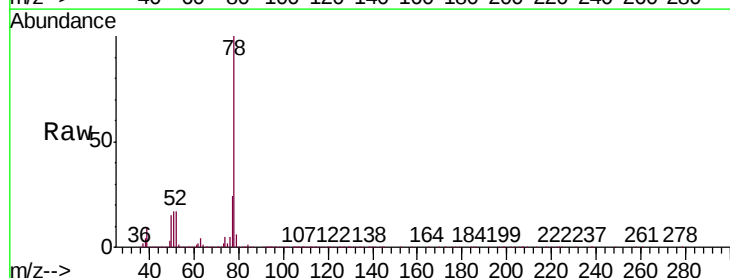
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

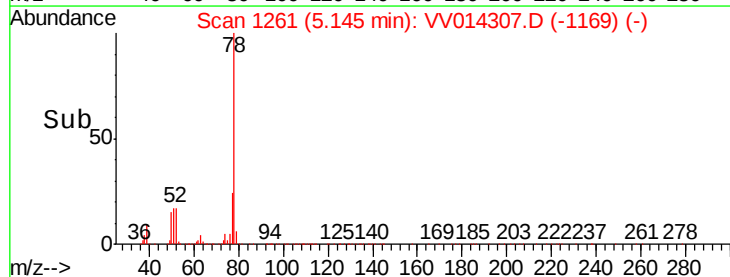
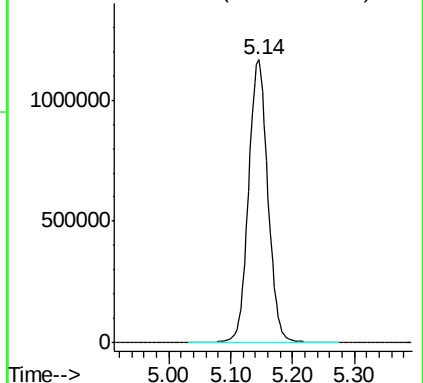
Lab File: VV014307.D

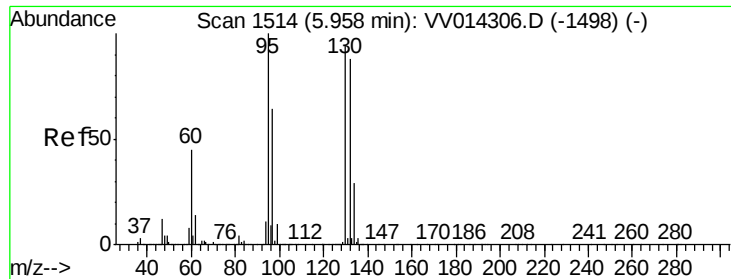
Acq: 15 Jan 2020 10:44

Tgt Ion: 78 Resp: 2535273



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.842 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD010334

Tgt Ion: 95 Resp: 654283

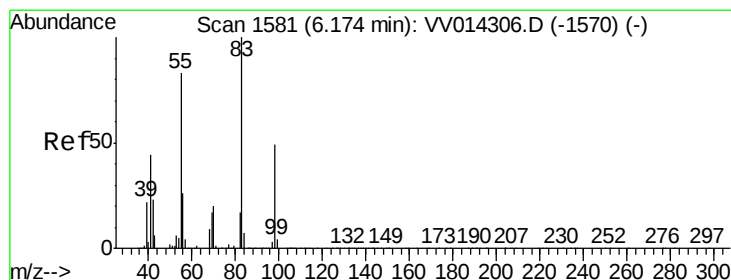
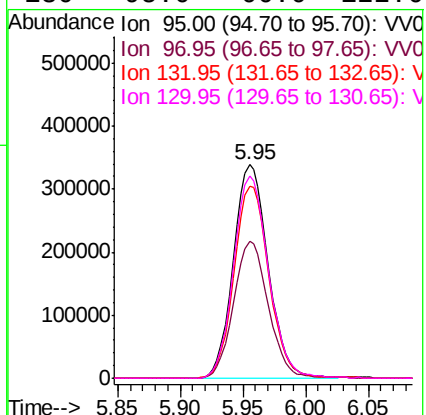
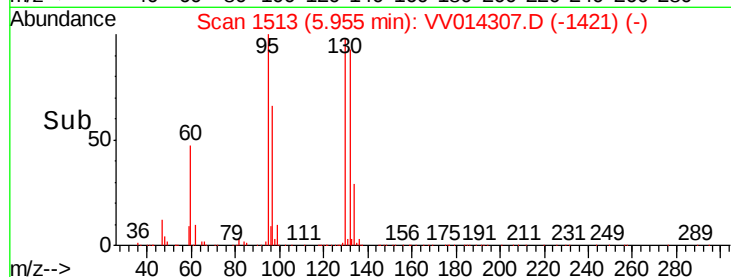
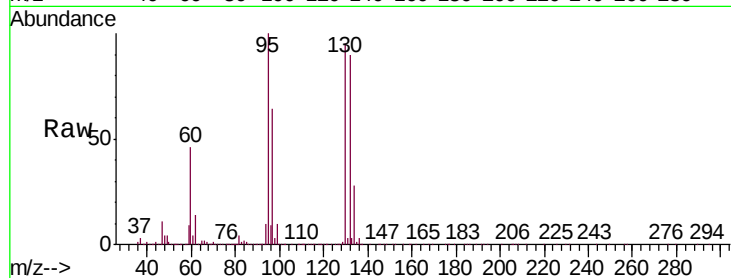
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 90.1 61.7 114.7

130 95.0 66.0 122.6



#35

Methylcyclohexane

Concen: 12.054 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

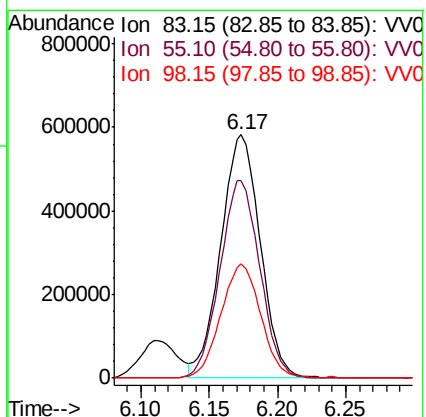
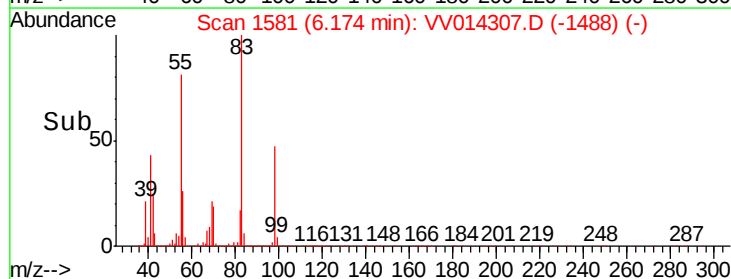
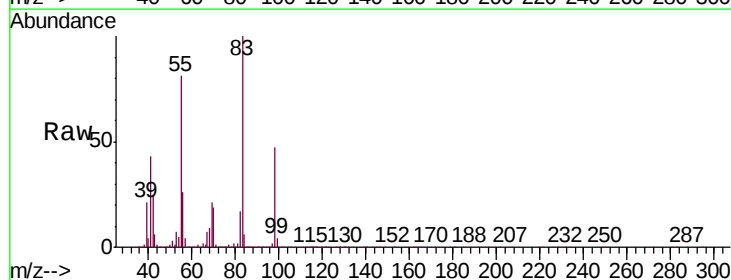
Tgt Ion: 83 Resp: 1167926

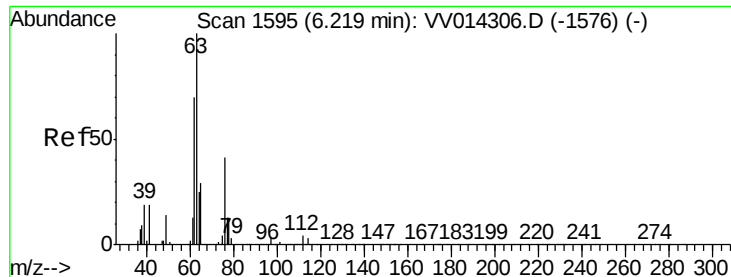
Ion Ratio Lower Upper

83 100

55 81.6 65.5 98.3

98 47.6 38.3 57.5





#37

1,2-Dichloropropane

Concen: 12.501 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

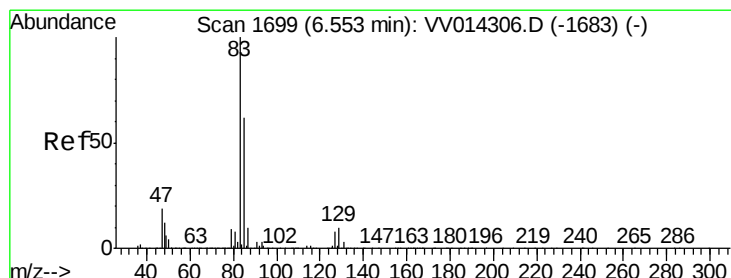
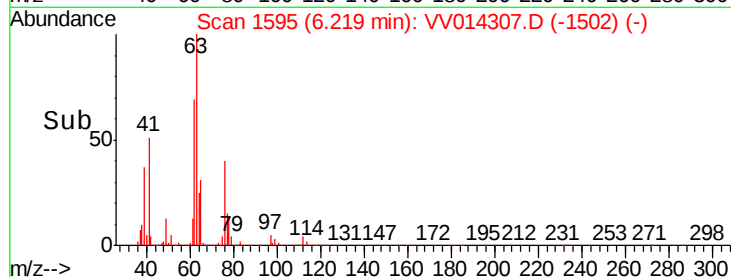
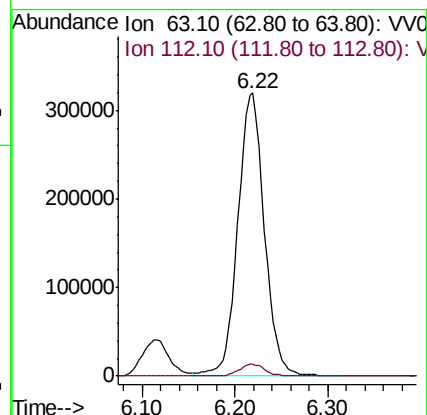
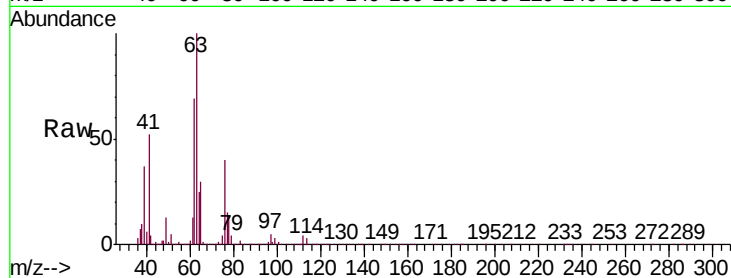
VSTD010334

Tgt Ion: 63 Resp: 631197

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 11.298 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

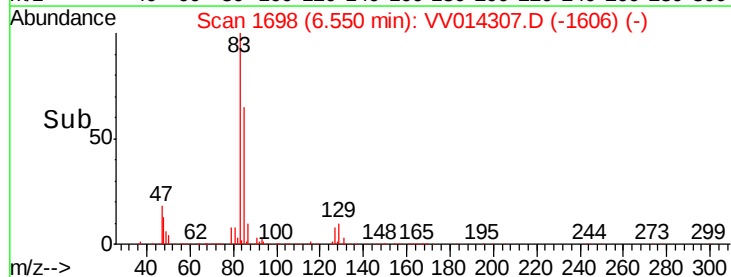
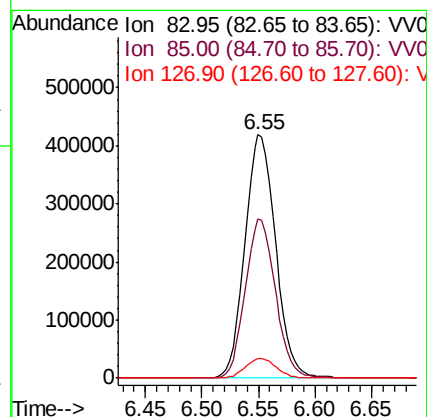
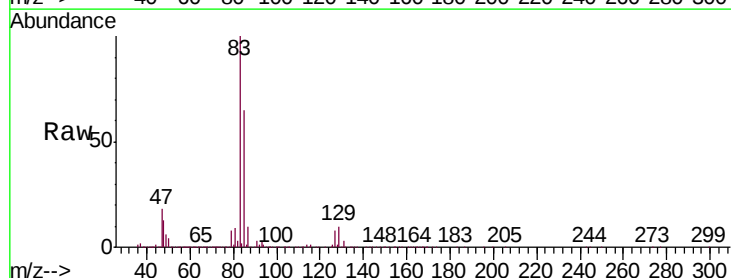
Tgt Ion: 83 Resp: 790034

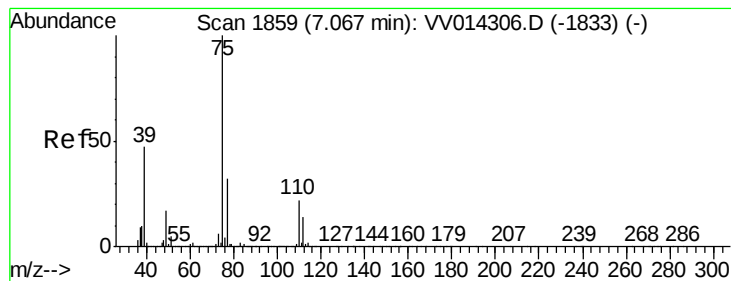
Ion Ratio Lower Upper

83 100

85 65.3 43.5 80.9

127 8.0 6.8 10.2



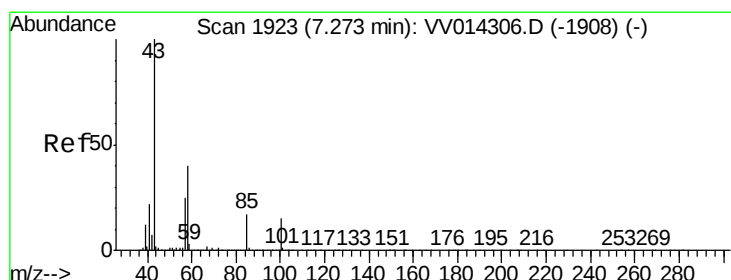
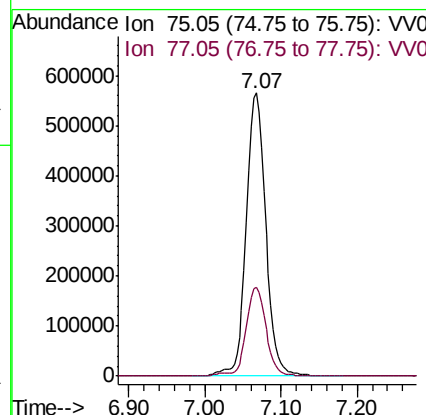
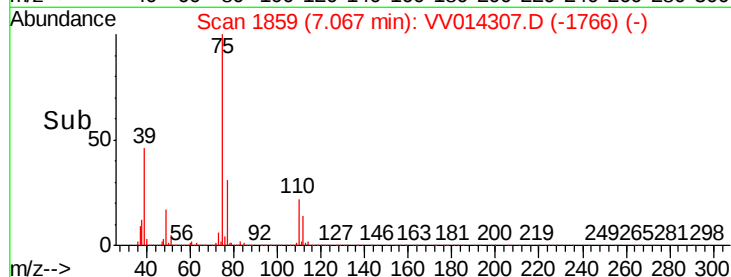
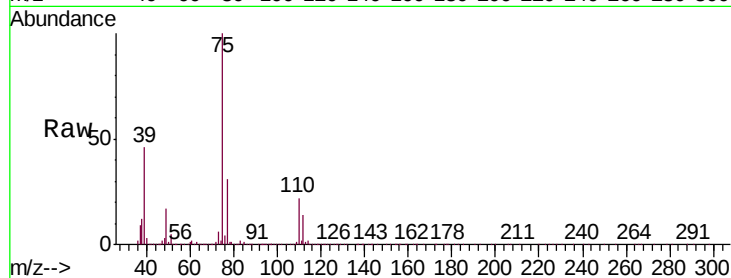


#39

cis-1,3-Dichloropropene
Concen: 12.715 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

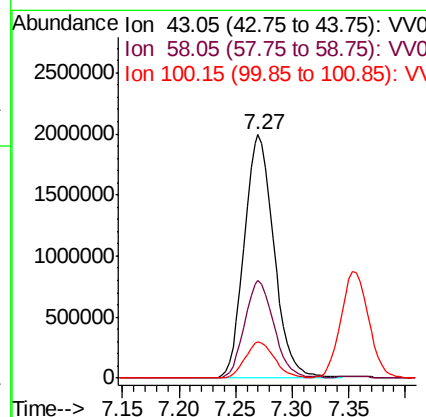
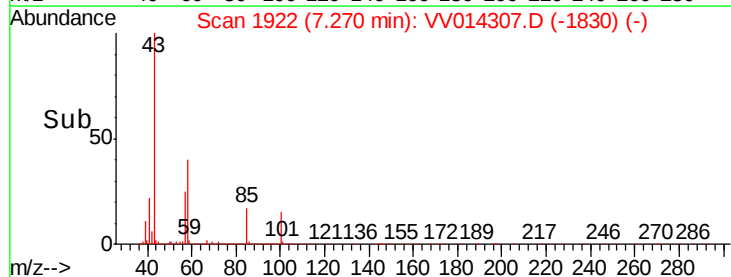
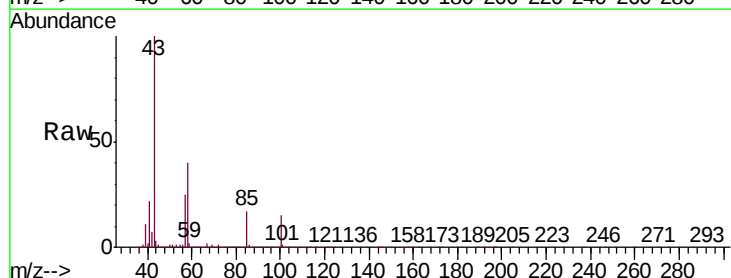
Tgt Ion: 75 Resp: 1009263
Ion Ratio Lower Upper
75 100
77 31.3 22.2 41.2

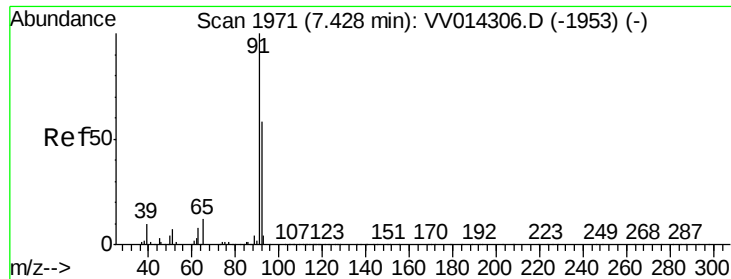


#40

4-Methyl-2-pentanone
Concen: 125.778 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion: 43 Resp: 3648539
Ion Ratio Lower Upper
43 100
58 39.8 31.3 46.9
100 14.8 11.7 17.5





#42

Toluene

Concen: 11.283 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

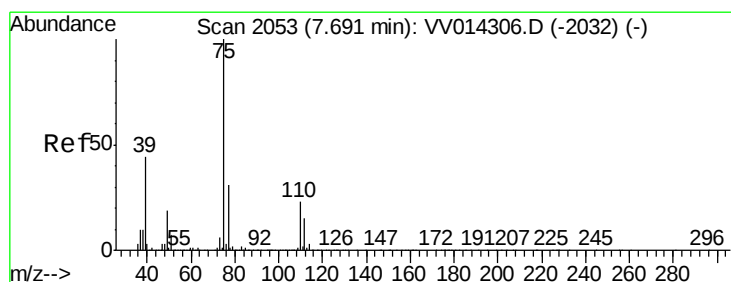
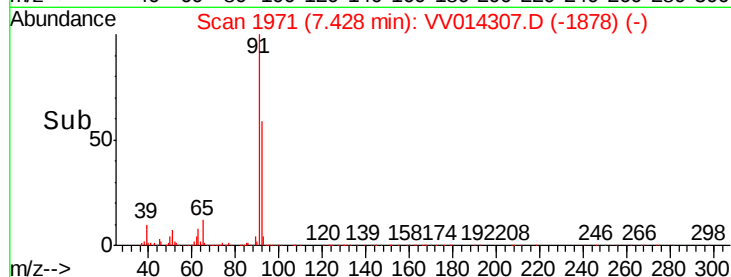
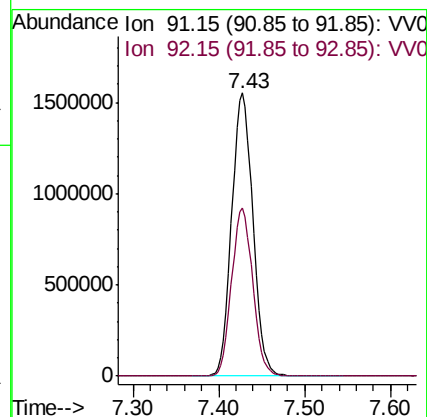
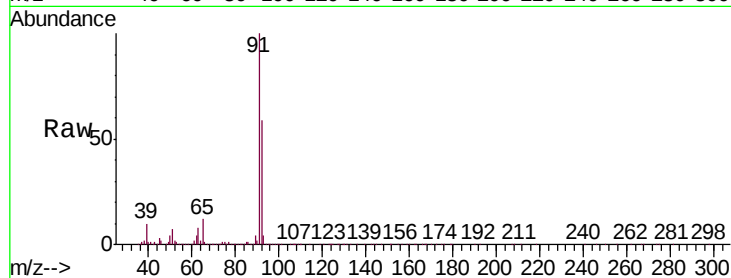
VSTD010334

Tgt Ion: 91 Resp: 2659635

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 11.909 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014307.D

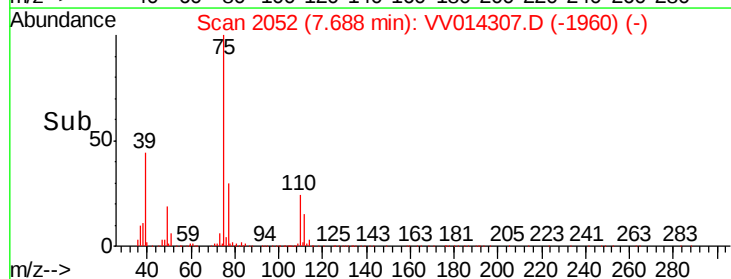
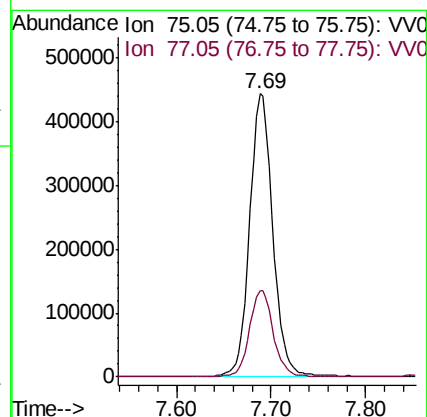
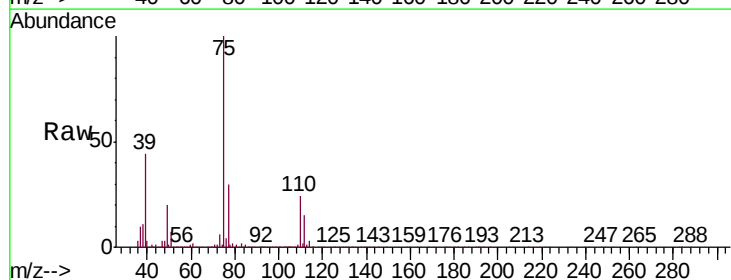
Acq: 15 Jan 2020 10:44

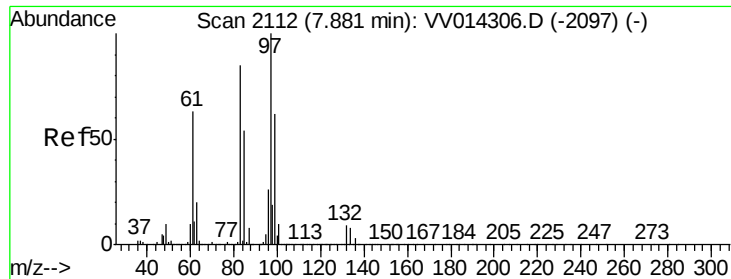
Tgt Ion: 75 Resp: 754369

Ion Ratio Lower Upper

75 100

77 30.3 21.9 40.7

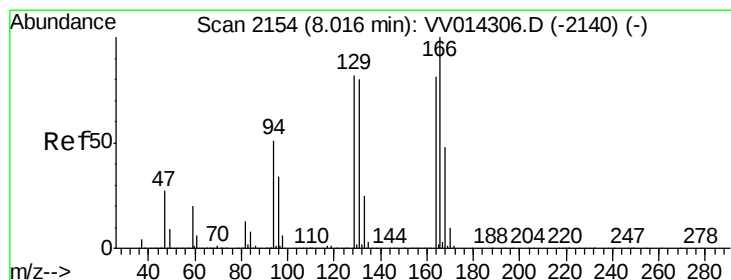
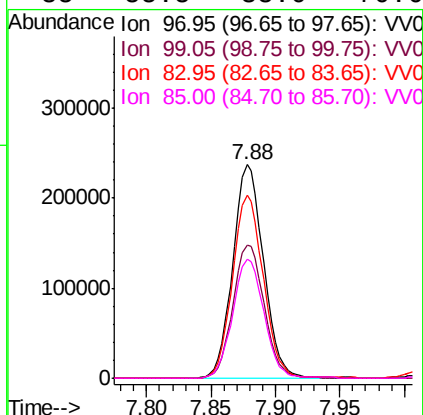
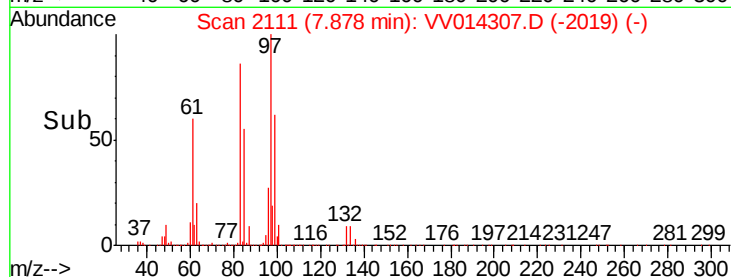
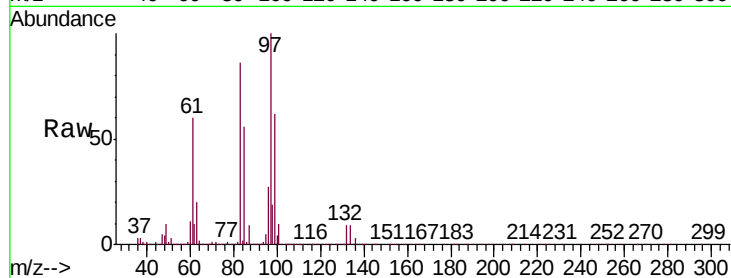




#45
1,1,2-Trichloroethane
Concen: 10.606 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

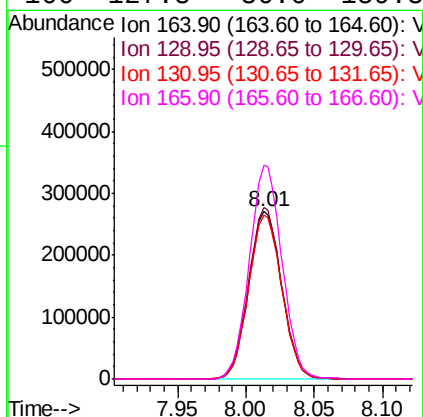
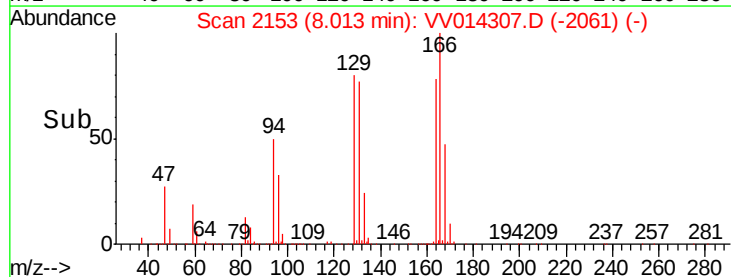
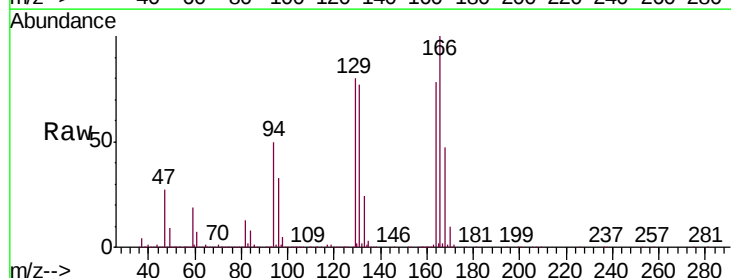
Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

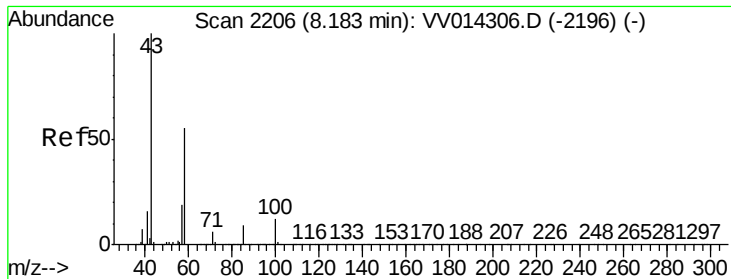
Tgt Ion:	97	Resp:	392855
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.2	80.2
83	85.6	59.7	110.9
85	55.5	38.0	70.6



#47
Tetrachloroethene
Concen: 9.111 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion:	164	Resp:	455547
Ion	Ratio	Lower	Upper
164	100		
129	102.6	70.6	131.0
131	98.3	68.7	127.5
166	127.8	86.0	159.8



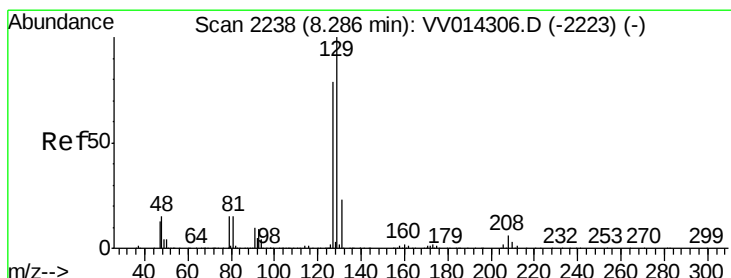
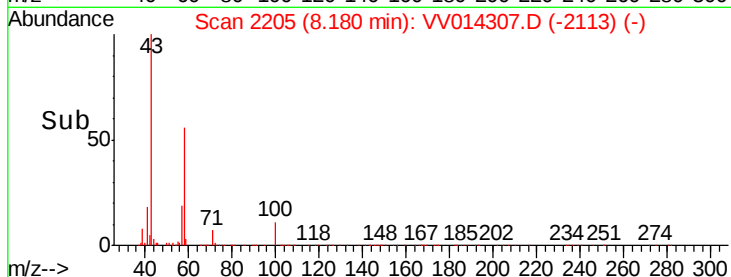
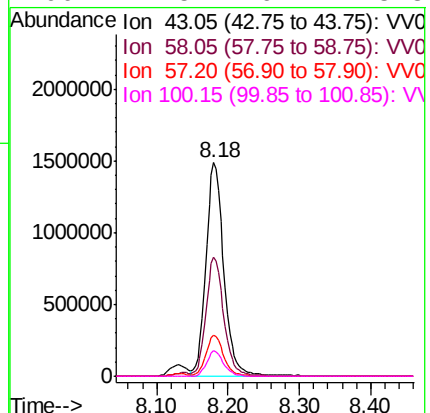
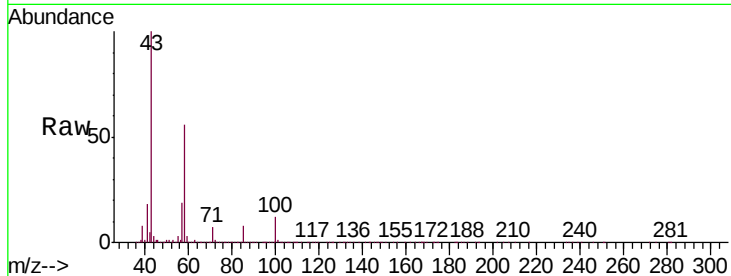


#48
2-Hexanone
Concen: 126.234 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

Tgt Ion: 43 Resp: 2576120

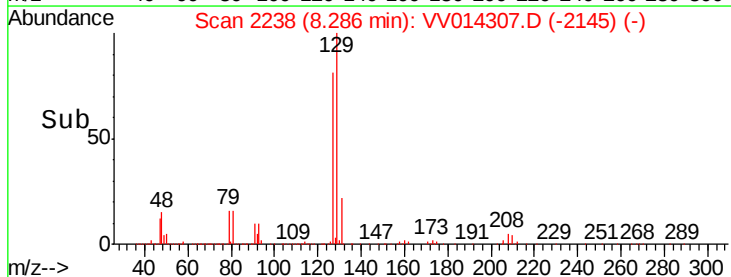
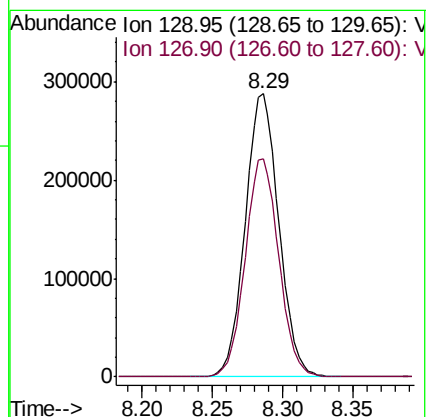
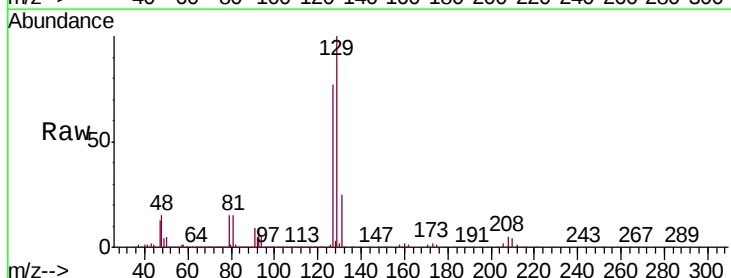
Ion	Ratio	Lower	Upper
43	100		
58	55.9	43.9	65.9
57	19.0	14.9	22.3
100	11.5	9.2	13.8

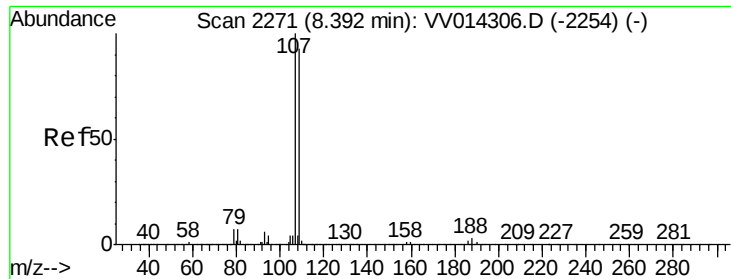


#49
Dibromochloromethane
Concen: 10.614 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion: 129 Resp: 481182

Ion	Ratio	Lower	Upper
129	100		
127	77.2	55.4	102.8





#50

1,2-Dibromoethane

Concen: 10.842 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

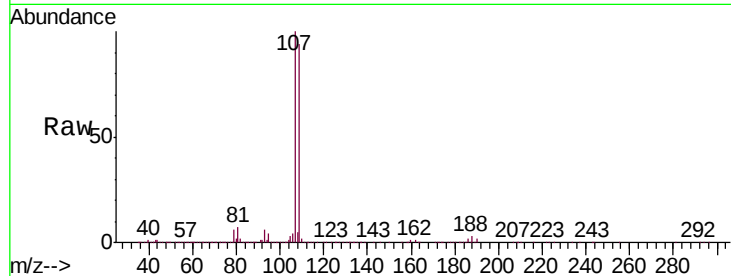
Instrument :

MSVOA_V

ClientSampleId :

VSTD010334

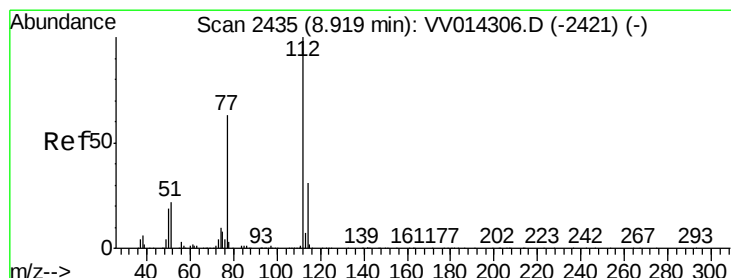
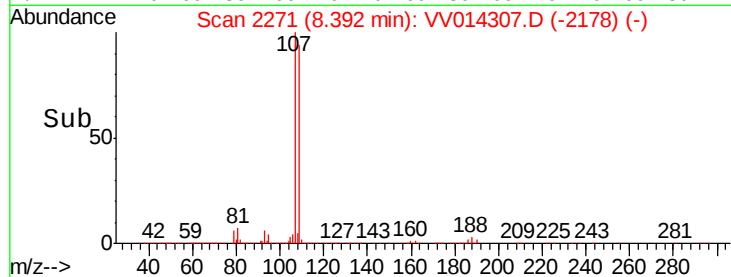
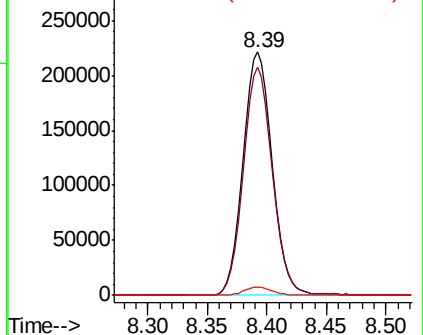
Tgt Ion:	107	Resp:	376167
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.2	121.2
188	3.4	2.6	3.8



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: 10.498 ug/L

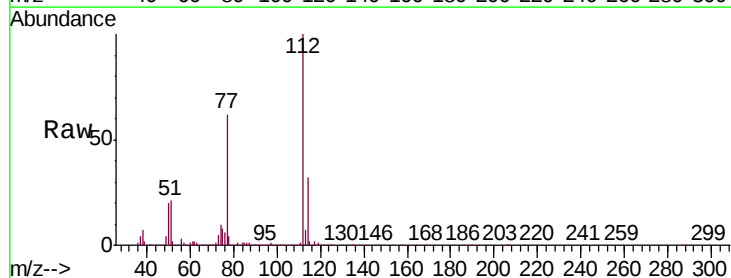
RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

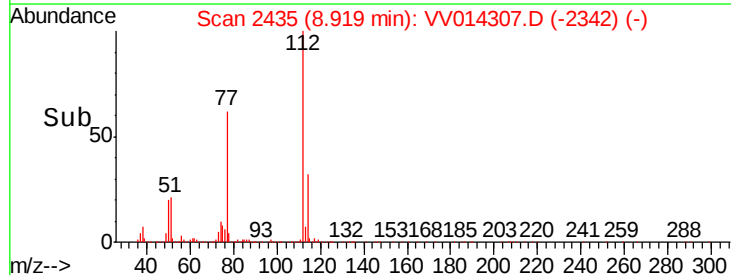
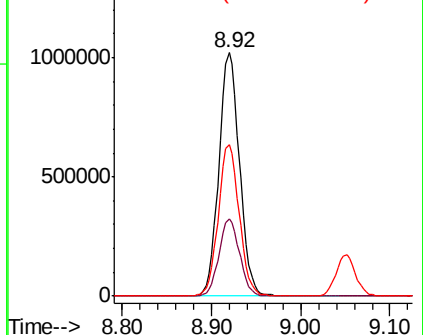
Tgt Ion:	112	Resp:	1633719
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.5	39.9
77	62.2	51.0	76.4

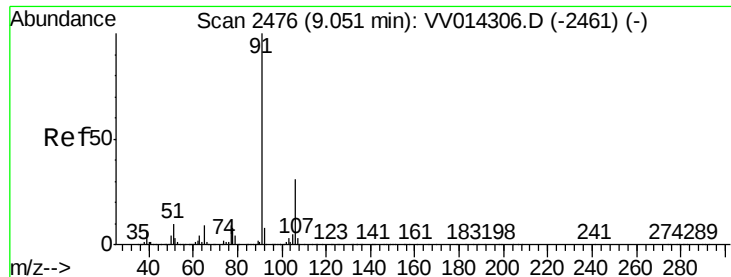


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 11.322 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

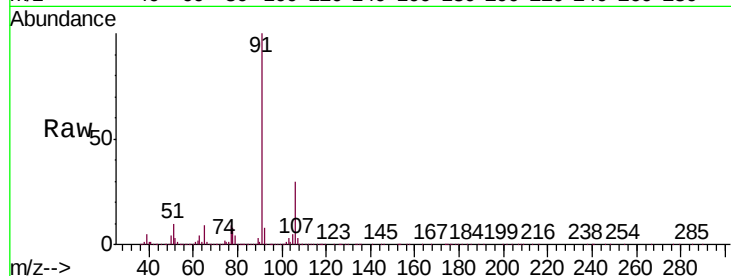
VSTD010334

Tgt Ion: 91 Resp: 3052050

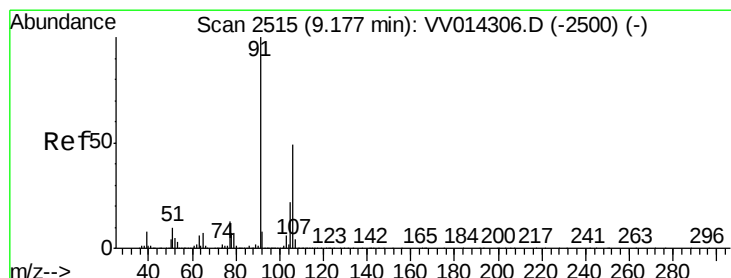
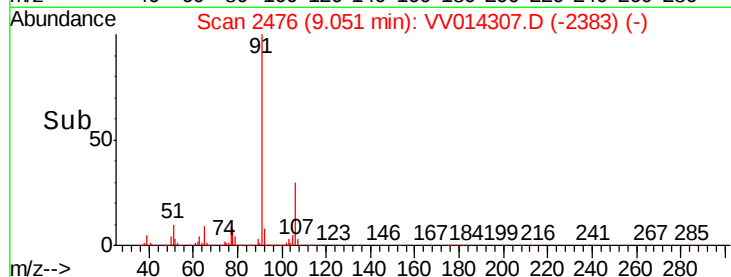
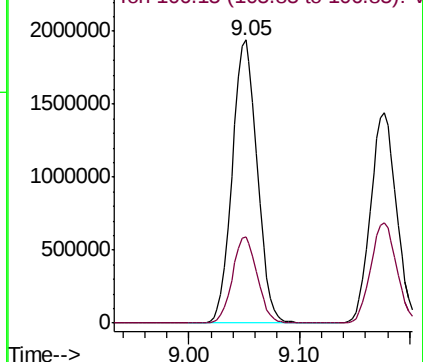
Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV014307.D (-2383) (-)



#53

m,p-xylene

Concen: 11.118 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014307.D

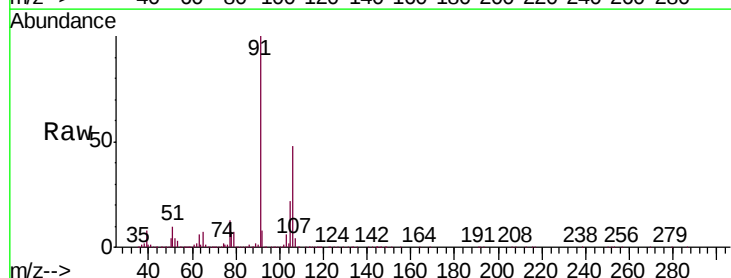
Acq: 15 Jan 2020 10:44

Tgt Ion: 106 Resp: 1126028

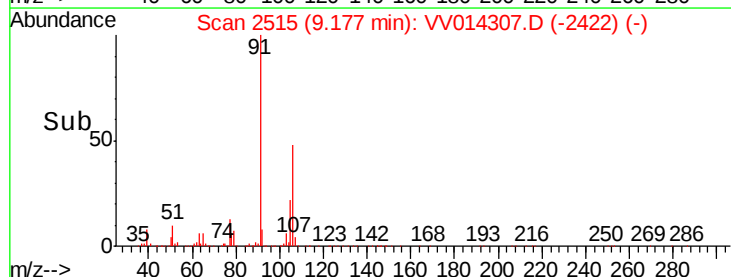
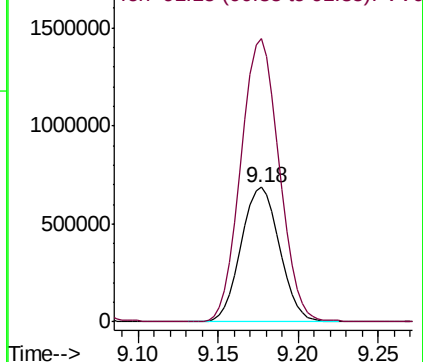
Ion Ratio Lower Upper

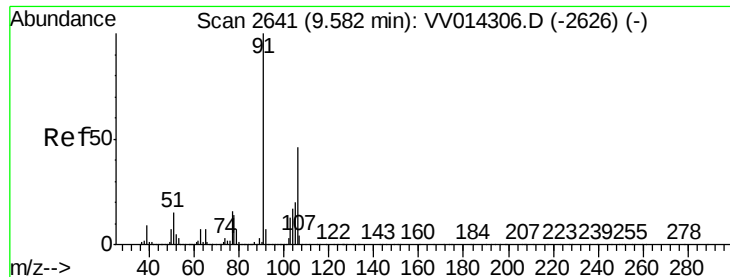
106 100

91 210.4 143.6 266.6



Abundance Ion 106.15 (105.85 to 106.85): VV014307.D (-2422) (-)





#54

o-xylene

Concen: 11.310 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

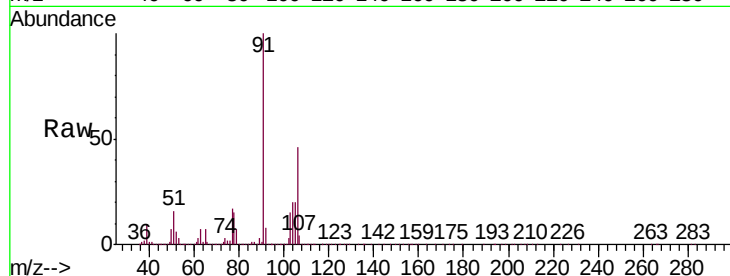
VSTD010334

Tgt Ion:106 Resp: 1096920

Ion Ratio Lower Upper

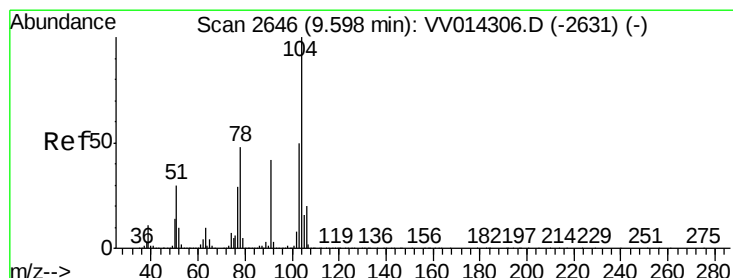
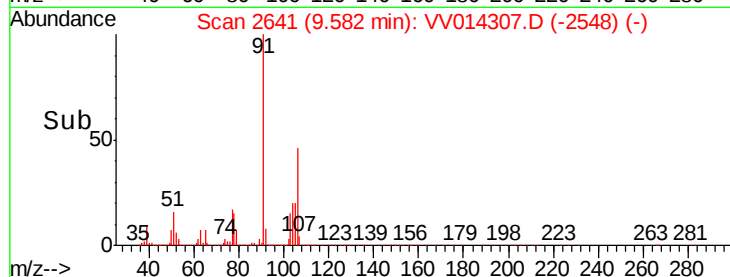
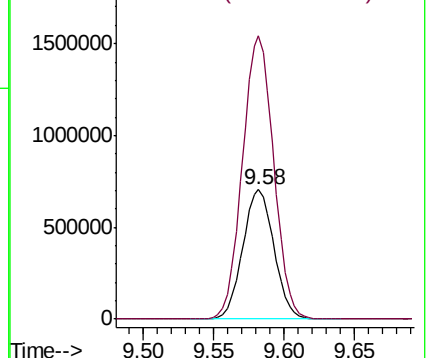
106 100

91 218.4 153.0 284.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.240 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014307.D

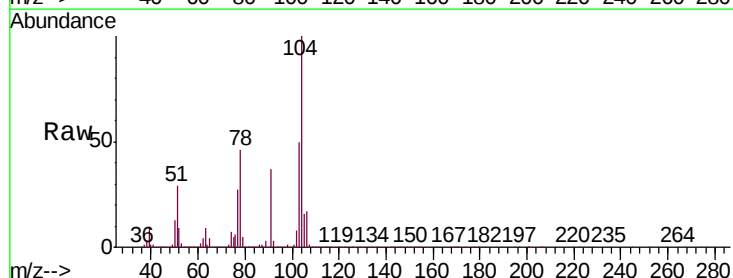
Acq: 15 Jan 2020 10:44

Tgt Ion:104 Resp: 1822973

Ion Ratio Lower Upper

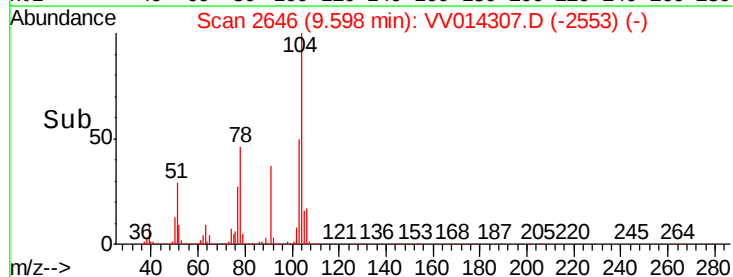
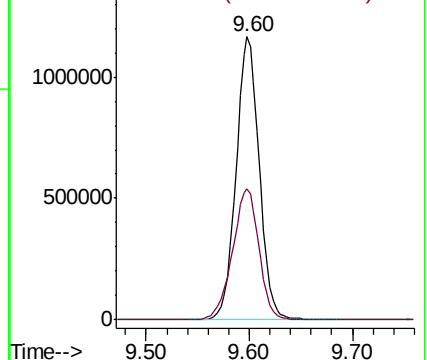
104 100

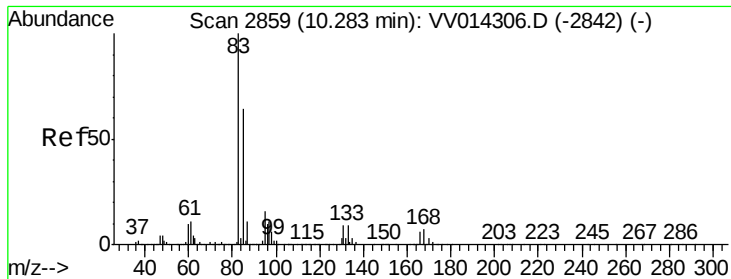
78 46.3 33.8 62.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

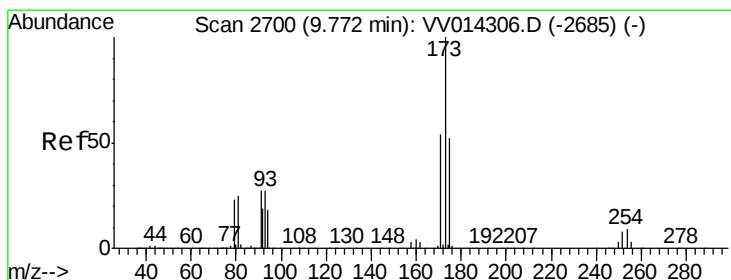
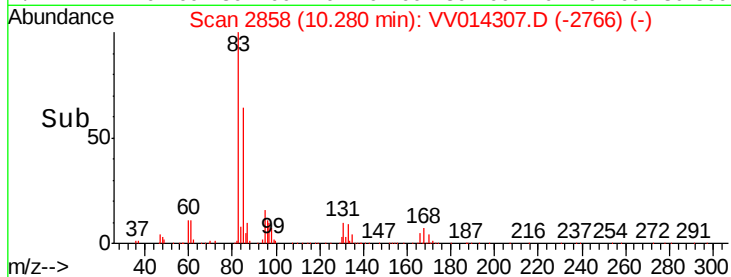
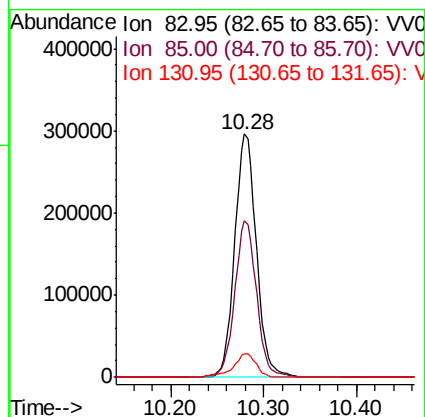
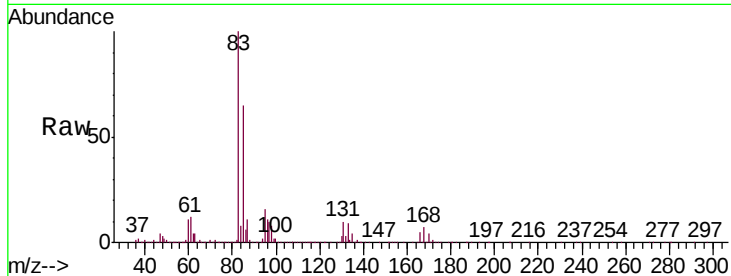




#57
 1,1,2,2-Tetrachloroethane
 Concen: 11.721 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

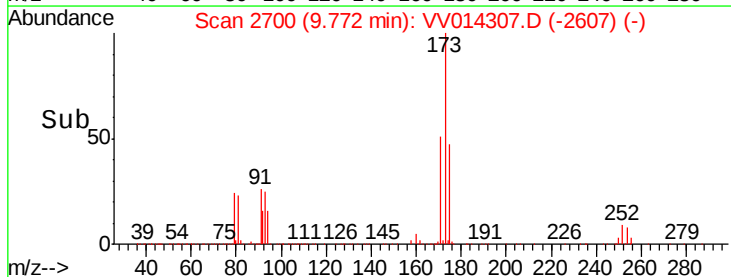
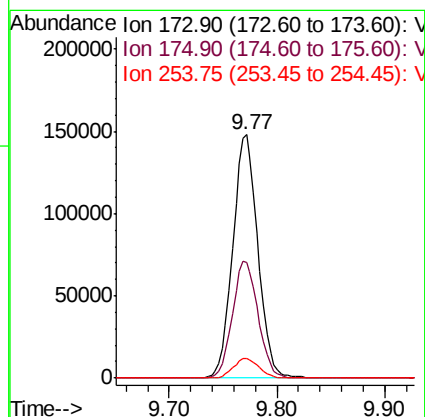
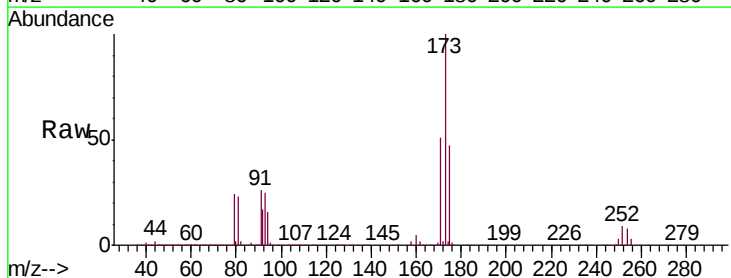
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

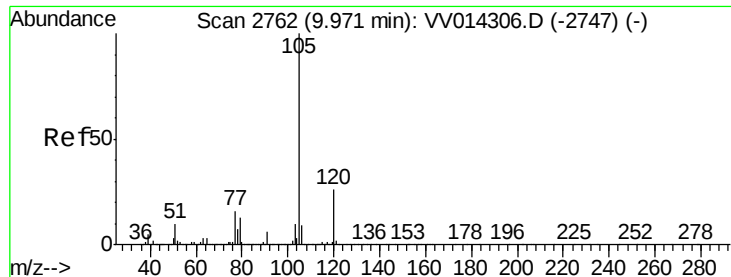
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.1	83.9
131	9.8	7.0	10.6



#59
 Bromoform
 Concen: 10.752 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	40.4	60.6
254	8.4	7.2	10.8





#60

Isopropylbenzene

Concen: 12.075 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD010334

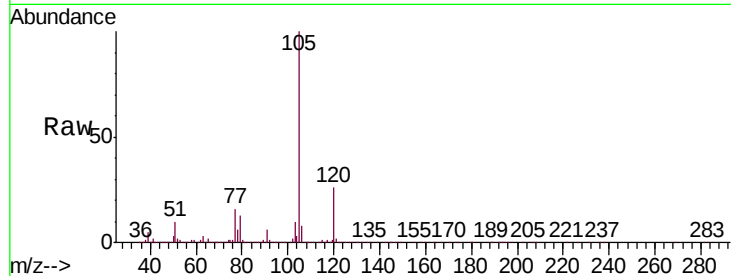
Tgt Ion:105 Resp: 2930875

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

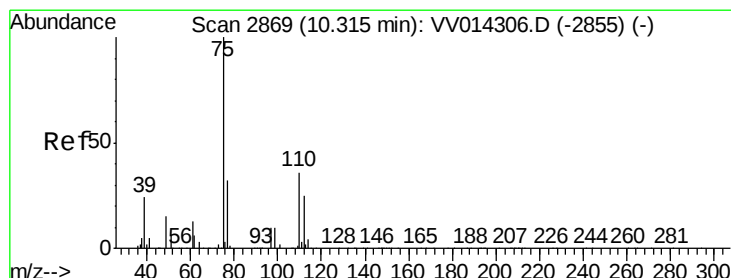
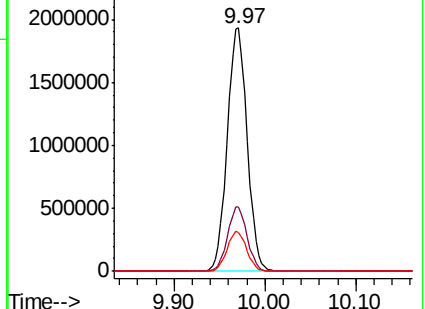
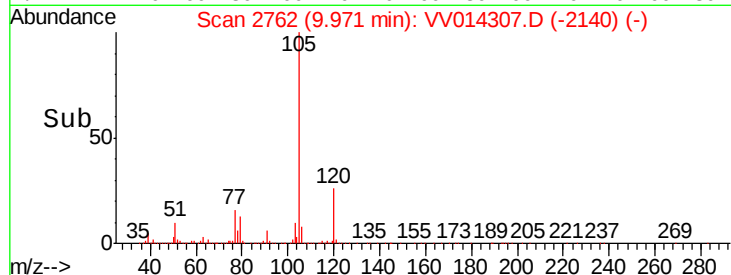
77 16.1 12.7 19.1



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: 12.222 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014307.D

Acq: 15 Jan 2020 10:44

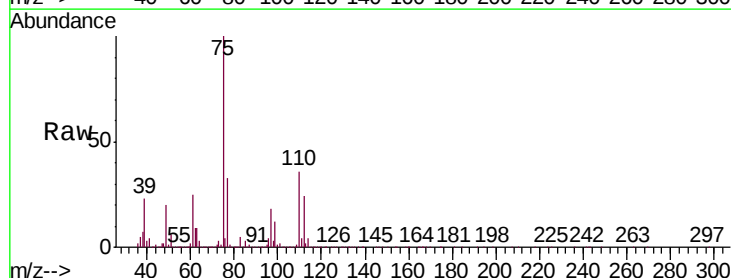
Tgt Ion: 75 Resp: 346123

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

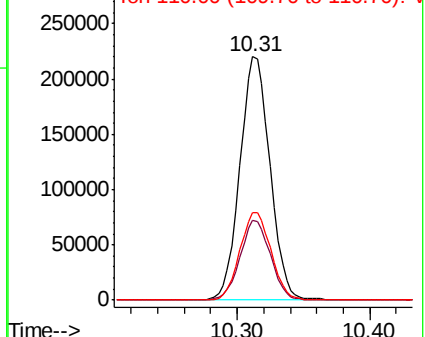
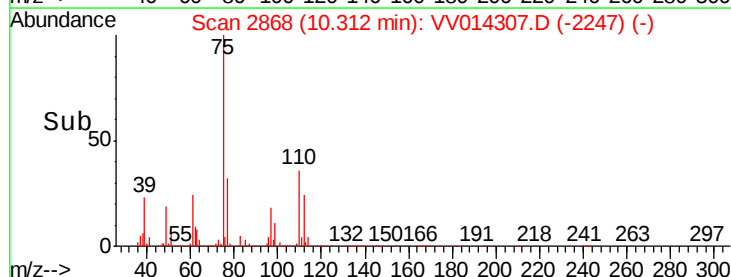
110 37.4 29.8 44.6

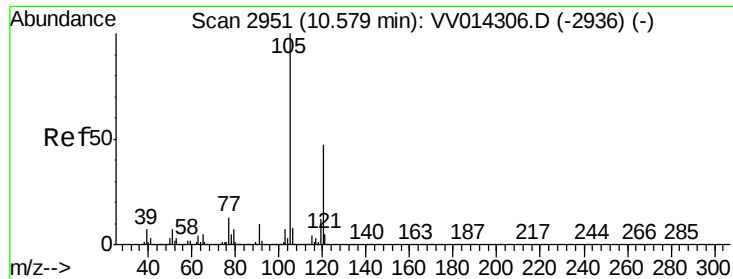


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

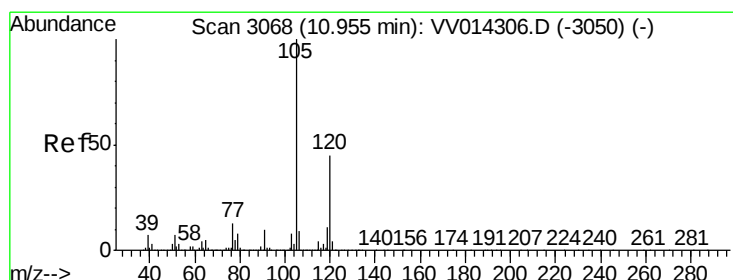
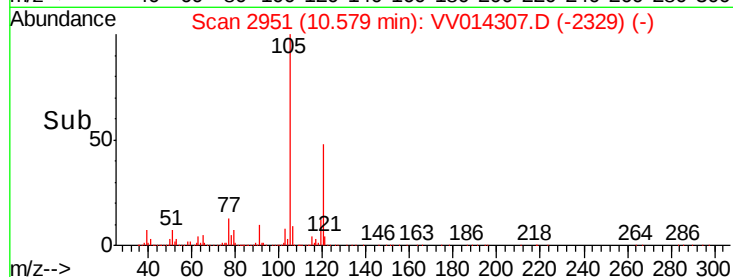
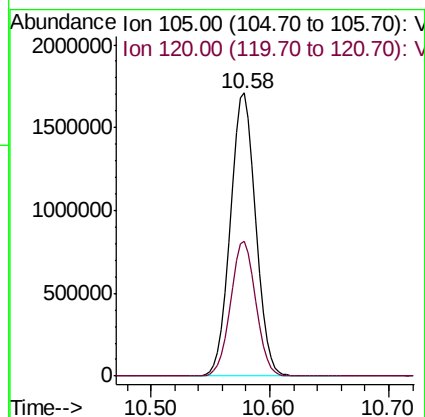
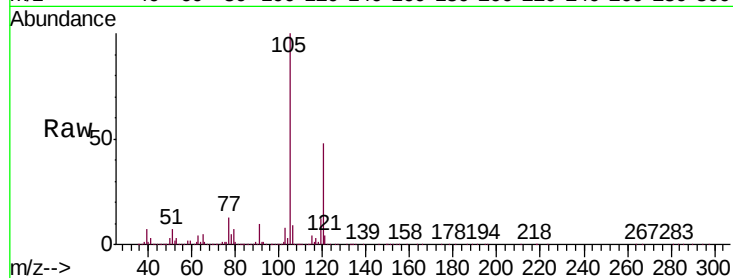




#62
 1,3,5-Trimethylbenzene
 Concen: 12.513 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

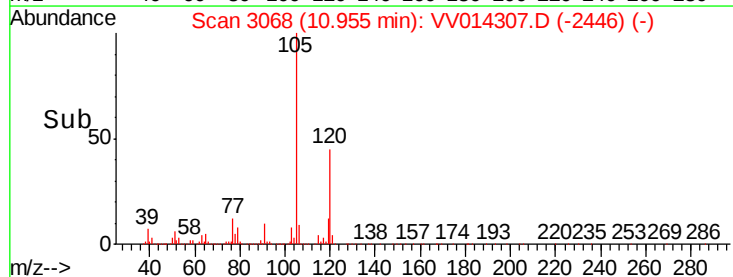
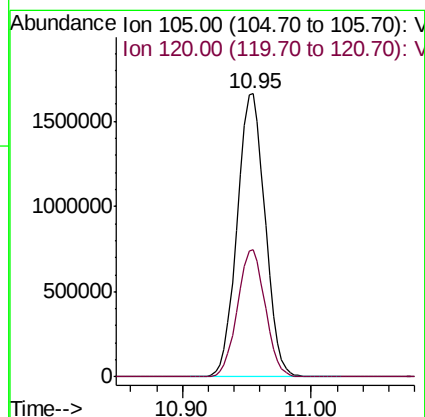
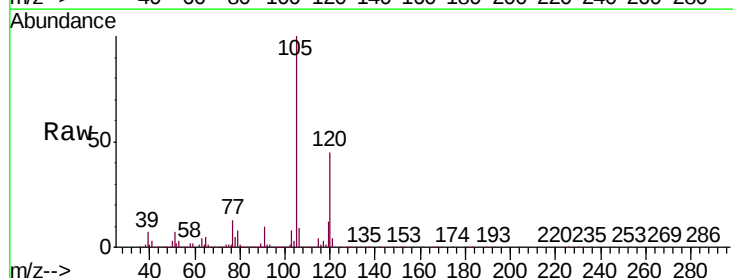
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

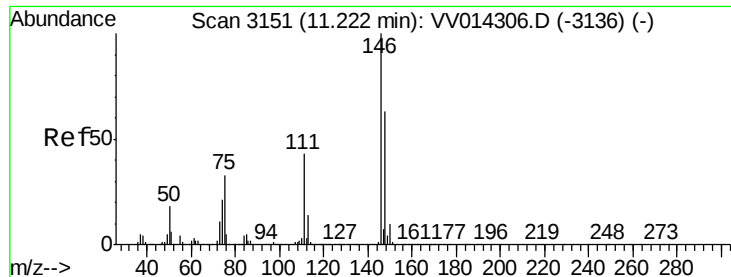
Tgt Ion:105 Resp: 2518588
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 12.571 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion:105 Resp: 2502018
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.3 52.9

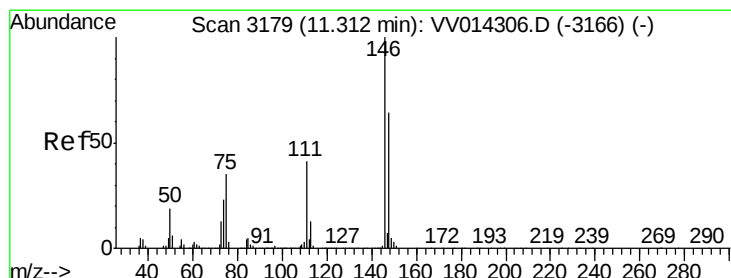
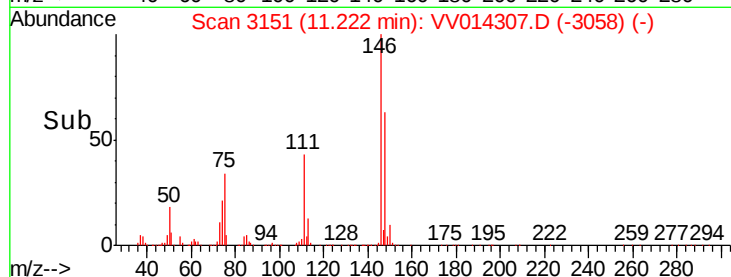
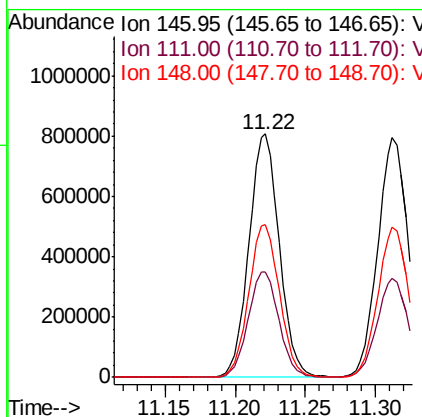
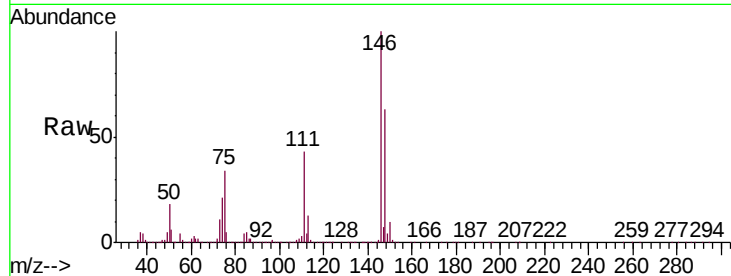




#64
 1,3-Dichlorobenzene
 Concen: 10.427 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

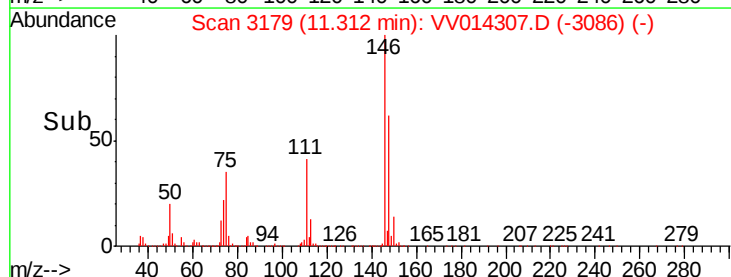
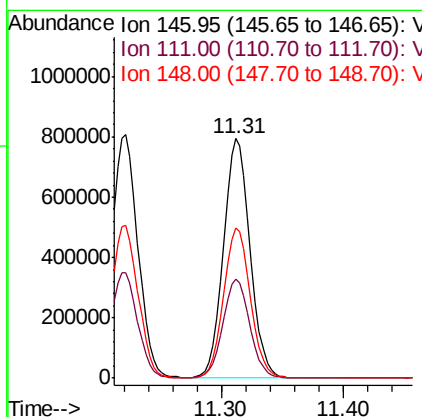
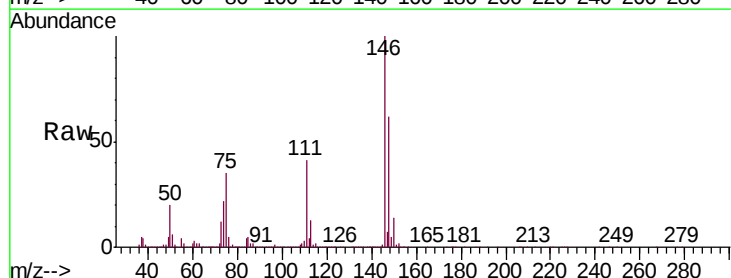
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

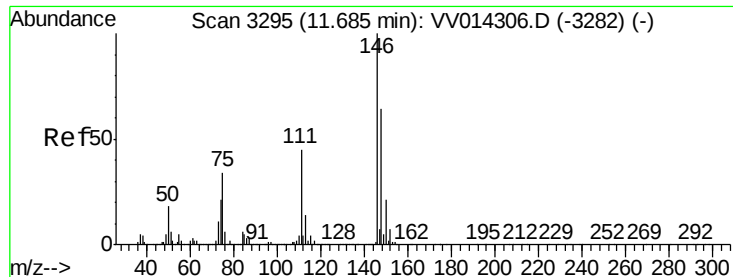
Tgt Ion:146 Resp: 1217503
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.8 55.3
 148 62.5 43.8 81.4



#65
 1,4-Dichlorobenzene
 Concen: 10.260 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion:146 Resp: 1212476
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.0 53.9
 148 62.5 44.7 82.9

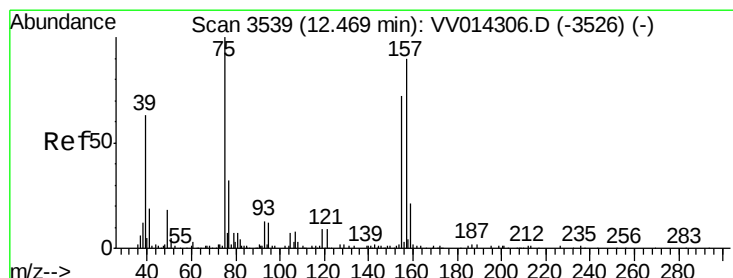
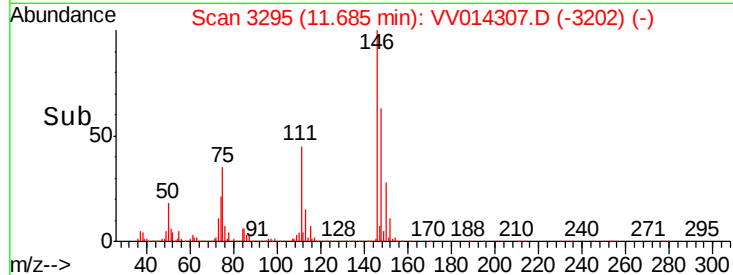
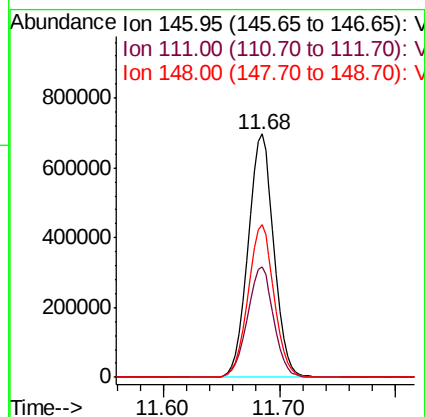
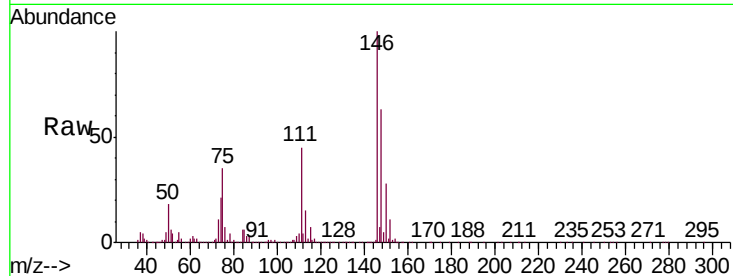




#67
 1,2-Dichlorobenzene
 Concen: 10.186 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

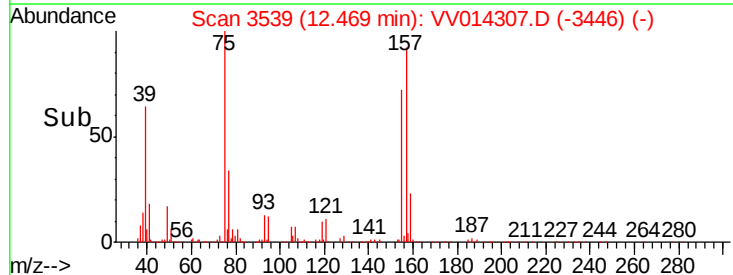
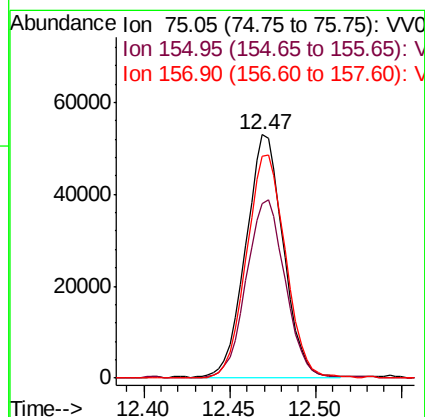
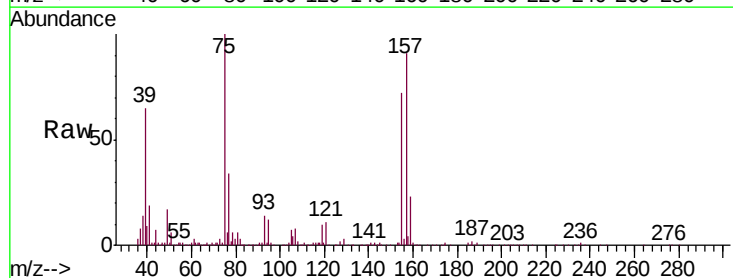
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

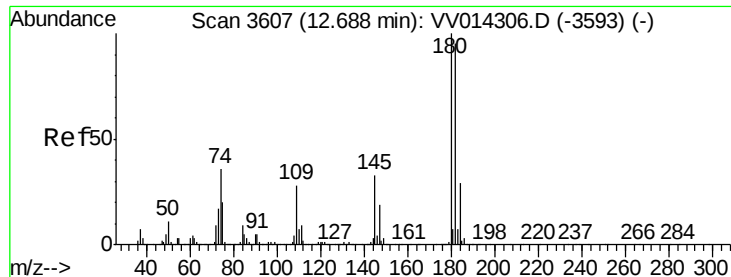
Tgt Ion:146 Resp: 1077107
 Ion Ratio Lower Upper
 146 100
 111 45.4 36.2 54.4
 148 62.7 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 13.228 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion: 75 Resp: 79562
 Ion Ratio Lower Upper
 75 100
 155 71.9 58.0 87.0
 157 91.2 72.1 108.1

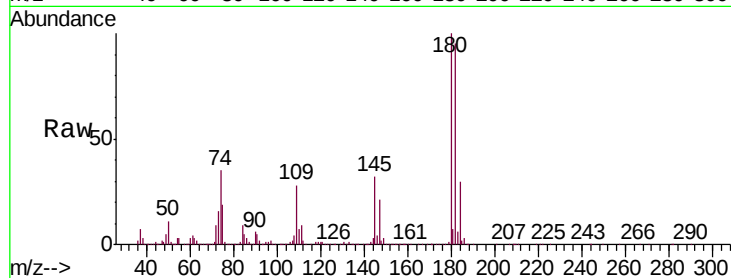




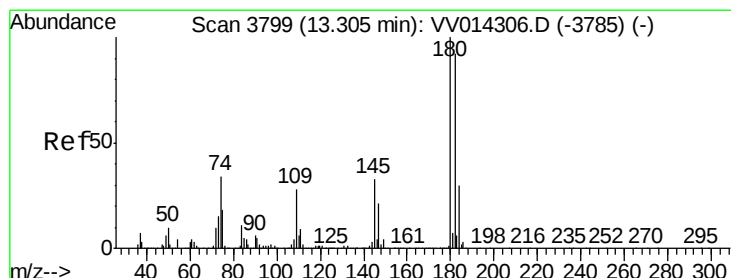
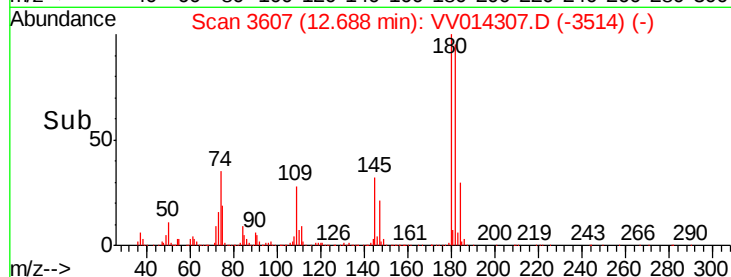
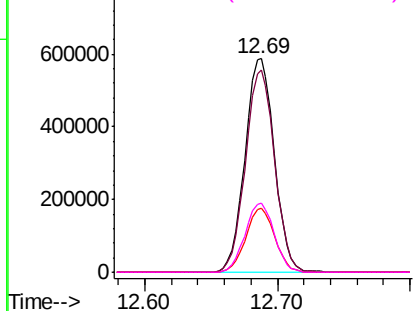
#69
 1,3,5-Trichlorobenzene
 Concen: 9.528 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010334

Tgt Ion:	180	Resp:	901611
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.6	114.8
184	29.7	23.3	34.9
145	32.2	26.2	39.4

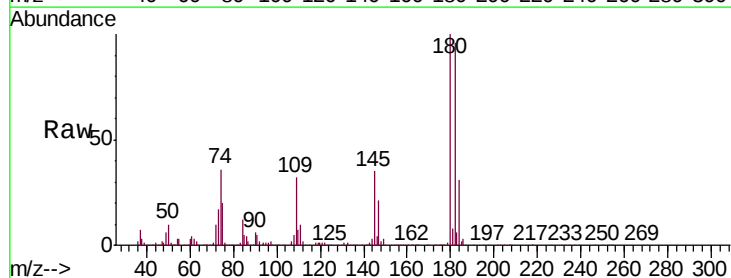


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

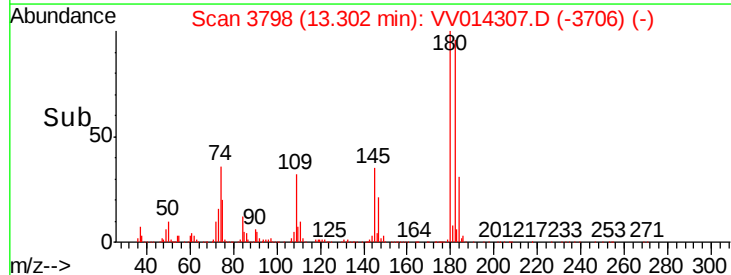
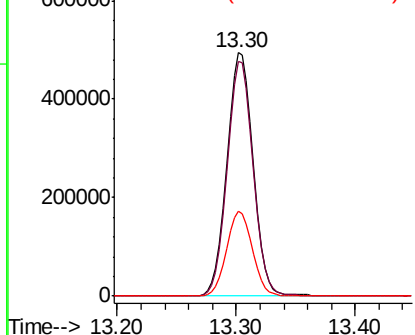


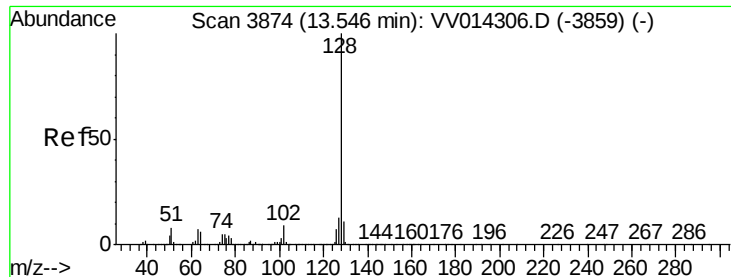
#70
 1,2,4-trichlorobenzene
 Concen: 9.931 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014307.D
 Acq: 15 Jan 2020 10:44

Tgt Ion:	180	Resp:	753422
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
145	34.2	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

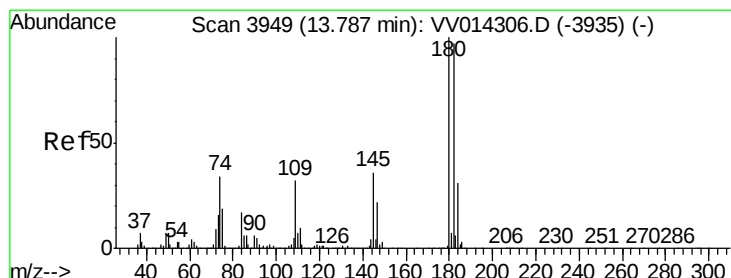
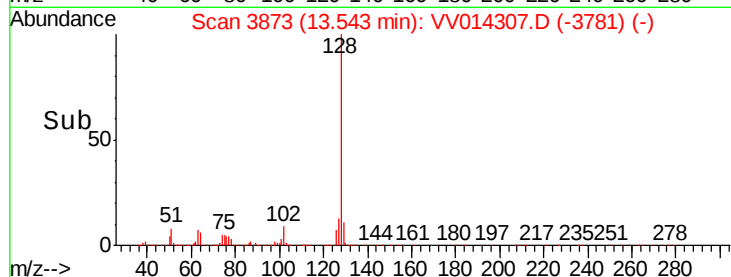
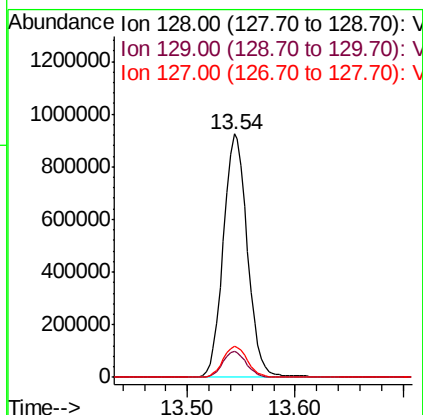
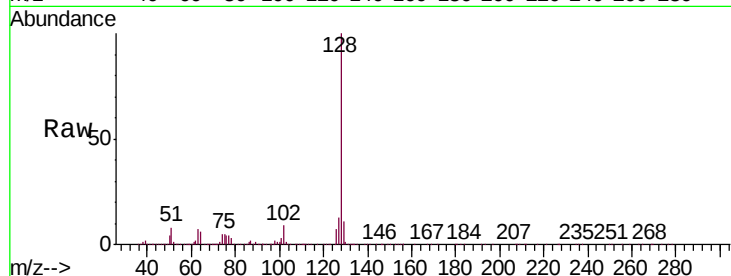




#71
Naphthalene
Concen: 12.737 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD010334

Tgt Ion:128 Resp: 1438645
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 9.896 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014307.D
Acq: 15 Jan 2020 10:44

Tgt Ion:180 Resp: 660965
Ion Ratio Lower Upper
180 100
182 94.1 76.7 115.1
145 35.1 28.8 43.2

