

Data File : VV014610.D
Acq On : 19 Feb 2020 16:36
Operator : SY/MD
Sample : VSTD02035
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

Quant Time: Feb 20 01:55:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 01:51:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	274948	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	255746	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	129366	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	196144	12.26	ug/L	0.00
7) Chloroethane-d5	1.58	69	141239	11.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	376767	14.98	ug/L	0.00
20) 2-Butanone-d5	3.93	46	478115	125.73	ug/L	0.00
24) Chloroform-d	4.39	84	597935	17.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	316773	18.68	ug/L	0.00
32) Benzene-d6	5.09	84	1331856	17.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	375813	16.74	ug/L	0.00
41) Toluene-d8	7.35	98	1276150	18.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	170807	18.40	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	579778	165.82	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	277757	18.03	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	447906	19.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	517311	22.988	ug/L	99
3) Chloromethane	1.25	50	211827	11.212	ug/L	100
5) Vinyl chloride	1.32	62	233012	13.169	ug/L	97
6) Bromomethane	1.53	94	134945	13.570	ug/L	100
8) Chloroethane	1.60	64	111737	12.154	ug/L	99
9) Trichlorofluoromethane	1.76	101	469503	20.071	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	190633	15.814	ug/L	99
12) 1,1-Dichloroethene	2.13	96	172458	15.433	ug/L	94
13) Acetone	2.20	43	245299	96.140	ug/L	93
14) Carbon disulfide	2.31	76	979521	17.532	ug/L	99
15) Methyl Acetate	2.46	43	87157	15.767	ug/L	92
16) Methylene chloride	2.53	84	327127	14.209	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	769219	19.016	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	357980	19.326	ug/L	98
19) 1,1-Dichloroethane	3.22	63	597710	17.697	ug/L	98
21) 2-Butanone	4.02	43	536901	133.985	ug/L	92
22) cis-1,2-Dichloroethene	3.95	96	385503	19.687	ug/L #	96
23) Bromochloromethane	4.29	128	158971	21.032	ug/L	97
25) Chloroform	4.42	83	731842	20.790	ug/L	99
27) 1,2-Dichloroethane	5.17	62	378295	19.994	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	621429	20.862	ug/L	99
30) Cyclohexane	4.72	56	565103	16.269	ug/L	98
31) Carbon tetrachloride	4.87	117	557481	21.523	ug/L	100
33) Benzene	5.14	78	1398030	18.362	ug/L	100
34) Trichloroethene	5.95	95	389840	19.484	ug/L	97
35) Methylcyclohexane	6.17	83	653933	18.683	ug/L	99
37) 1,2-Dichloropropane	6.21	63	317137	17.363	ug/L	98
38) Bromodichloromethane	6.55	83	471947	19.901	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	557911	19.138	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1617834	152.068	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.42	91	1520281	18.580	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	438318	19.468	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	240741	20.045	ug/L	97
47) Tetrachloroethene	8.01	164	312950	22.033	ug/L	100
48) 2-Hexanone	8.18	43	1148181	157.513	ug/L	100
49) Dibromochloromethane	8.29	129	324158	21.641	ug/L	95
50) 1,2-Dibromoethane	8.39	107	237306	21.265	ug/L	94
51) Chlorobenzene	8.92	112	997160	19.734	ug/L	99
52) Ethylbenzene	9.05	91	1741340	18.960	ug/L	99
53) m,p-xylene	9.18	106	673840	19.700	ug/L	100
54) o-xylene	9.58	106	645353	19.515	ug/L	95
55) Styrene	9.60	104	1071368	19.545	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	275488	18.924	ug/L	98
59) Bromoform	9.77	173	170938	21.457	ug/L	97
60) Isopropylbenzene	9.97	105	1723933	18.234	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	198339	17.593	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	1489783	18.725	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	1473146	18.620	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	788496	19.724	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	790547	19.451	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	709837	19.825	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	46593	16.396	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.69	180	610461	20.735	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	524806	21.106	ug/L	99
71) Naphthalene	13.54	128	925038	20.487	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	455685	21.188	ug/L	98

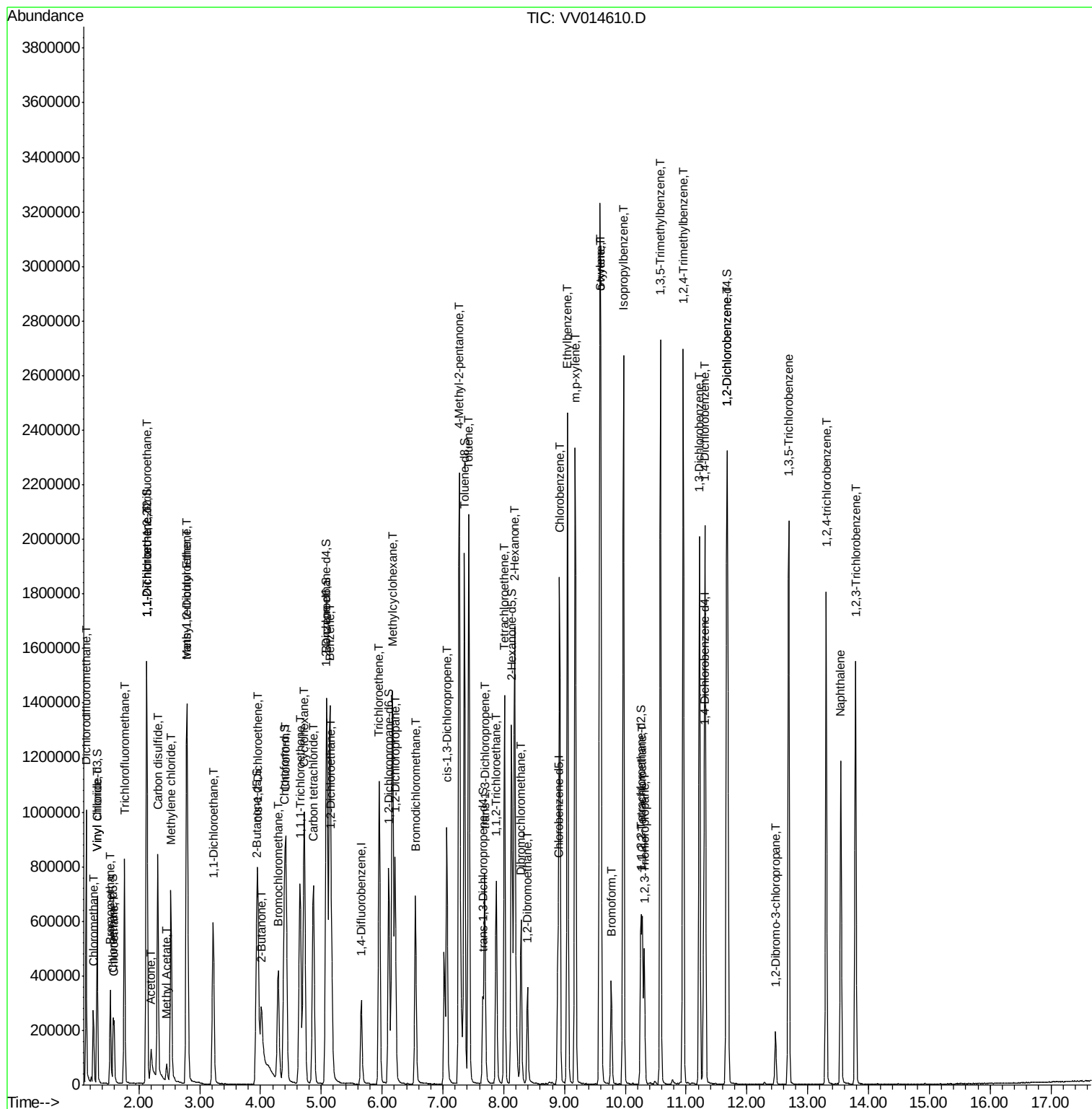
(#) = qualifier out of range (m) = manual integration (+) = signals summed

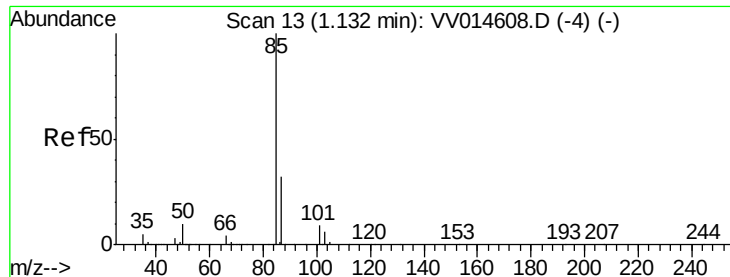
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#2

Dichlorodifluoromethane

Concen: 22.988 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

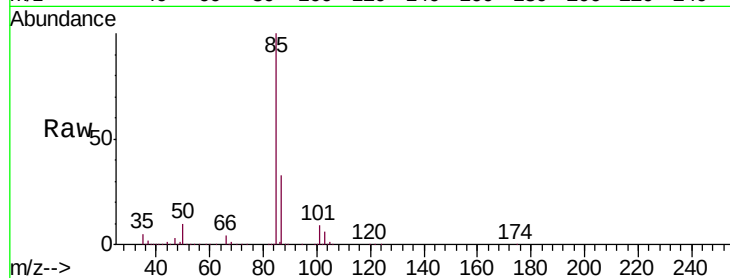
VSTD020705

Tgt Ion: 85 Resp: 517311

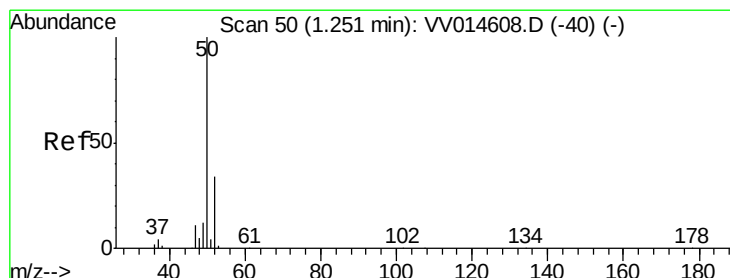
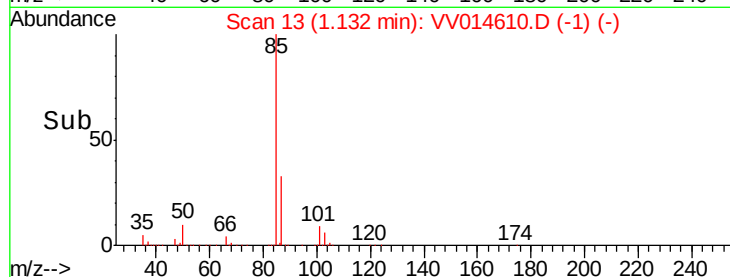
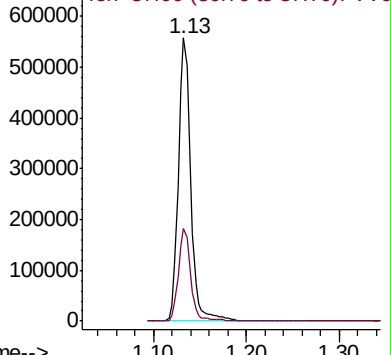
Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014610.D (-1) (-)



#3

Chloromethane

Concen: 11.212 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014610.D

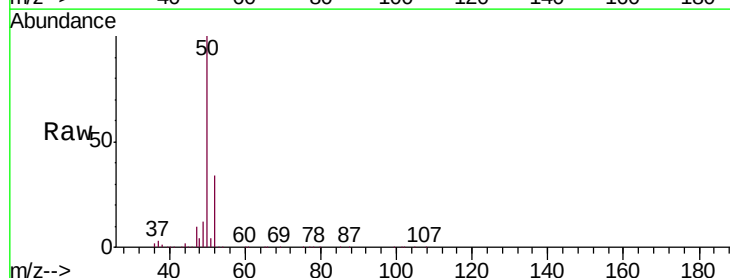
Acq: 19 Feb 2020 16:36

Tgt Ion: 50 Resp: 211827

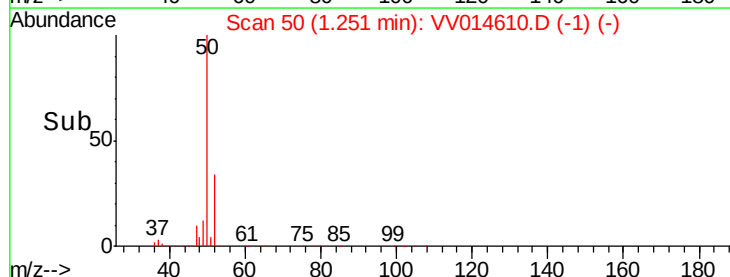
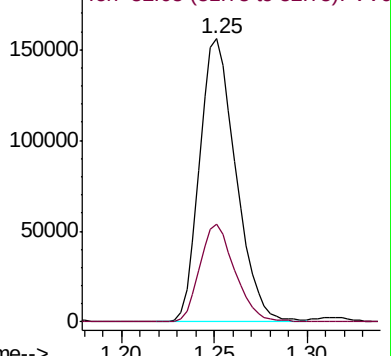
Ion Ratio Lower Upper

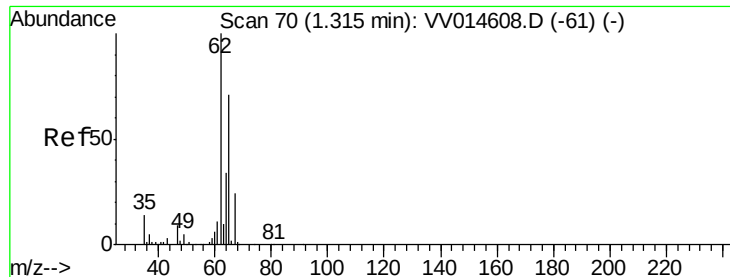
50 100

52 34.4 24.2 45.0



Abundance Ion 50.05 (49.75 to 50.75): VV014610.D (-1) (-)





#5

Vinyl chloride

Concen: 13.169 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

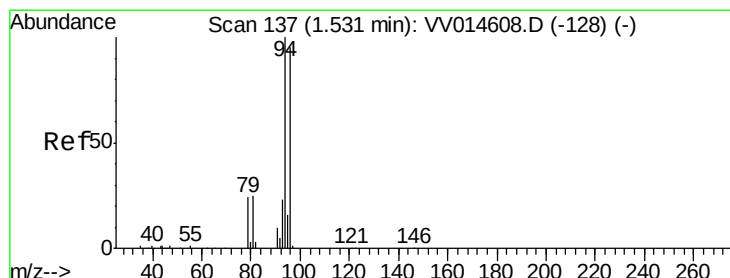
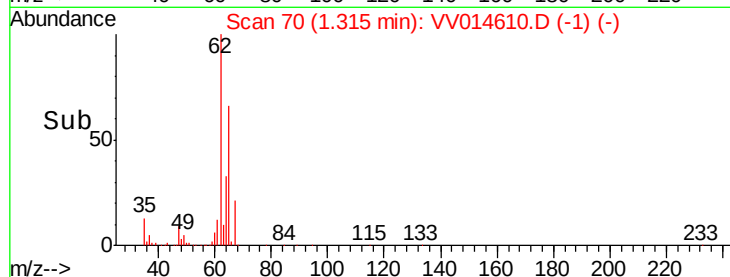
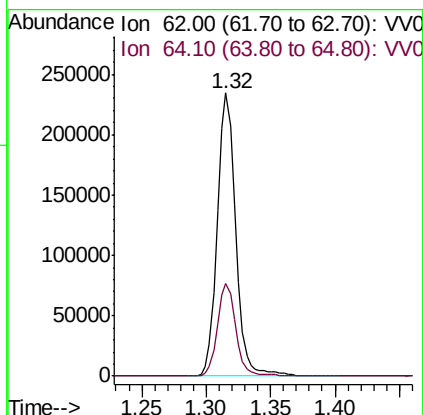
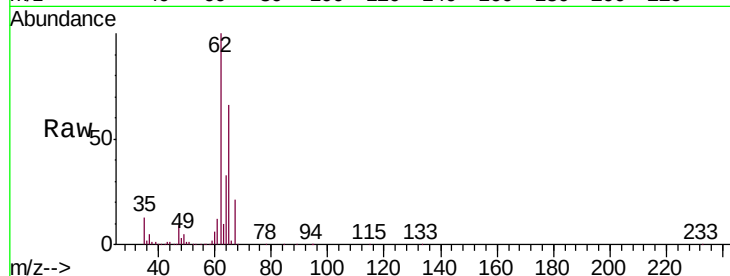
VSTD020705

Tgt Ion: 62 Resp: 233012

Ion Ratio Lower Upper

62 100

64 32.9 24.3 45.1



#6

Bromomethane

Concen: 13.570 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014610.D

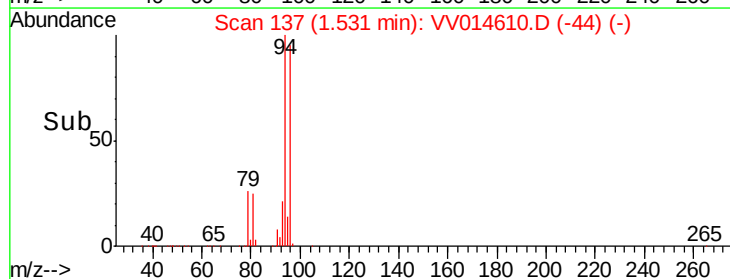
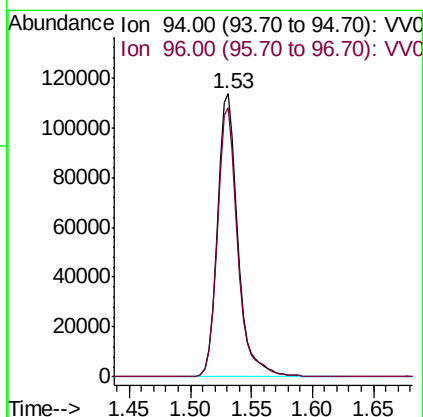
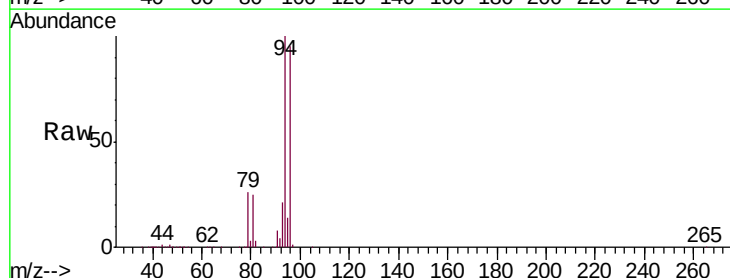
Acq: 19 Feb 2020 16:36

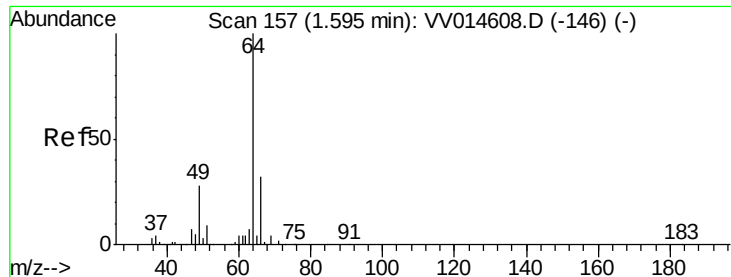
Tgt Ion: 94 Resp: 134945

Ion Ratio Lower Upper

94 100

96 95.2 66.4 123.2





#8

Chloroethane

Concen: 12.154 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

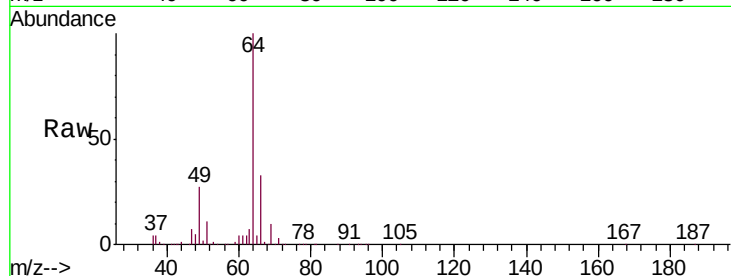
VSTD020705

Tgt Ion: 64 Resp: 111737

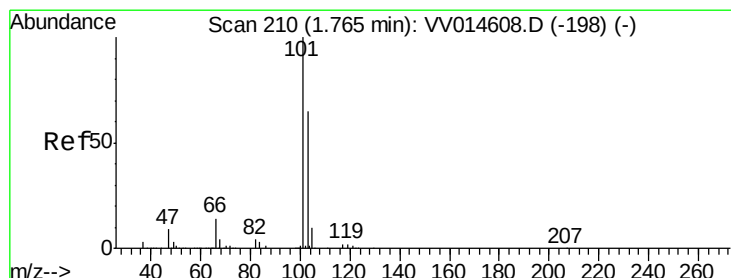
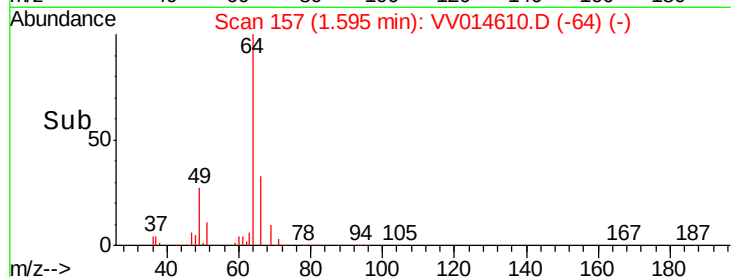
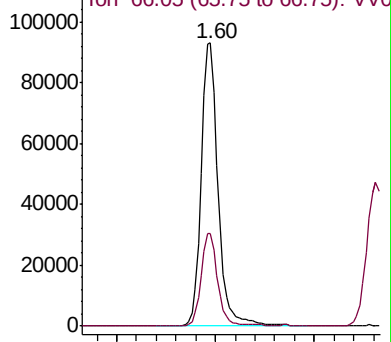
Ion Ratio Lower Upper

64 100

66 32.9 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV014610.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 20.071 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014610.D

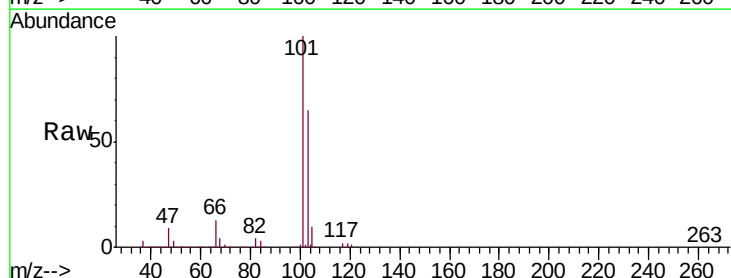
Acq: 19 Feb 2020 16:36

Tgt Ion: 101 Resp: 469503

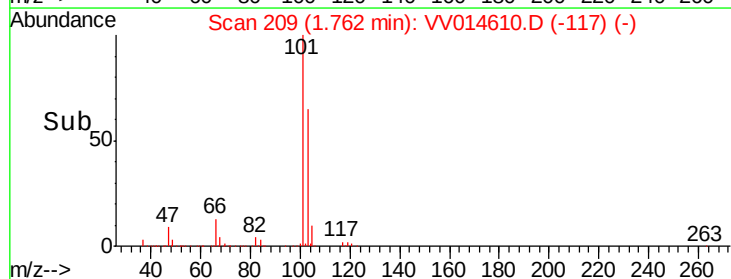
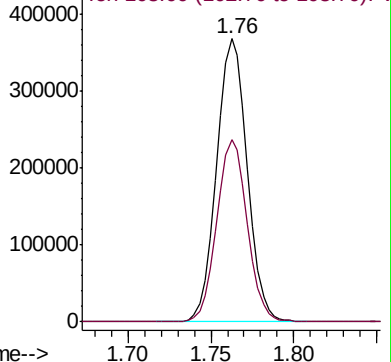
Ion Ratio Lower Upper

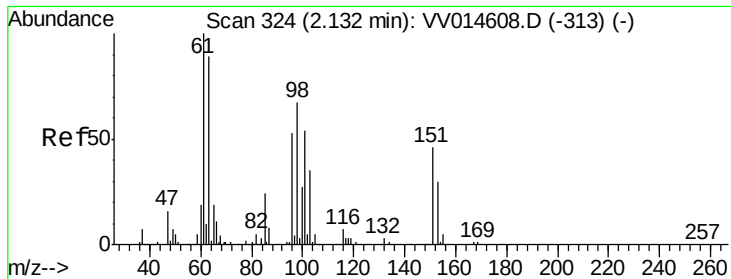
101 100

103 64.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV014610.D (-101) (-)





#10

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

Concen: 15.814 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD020705

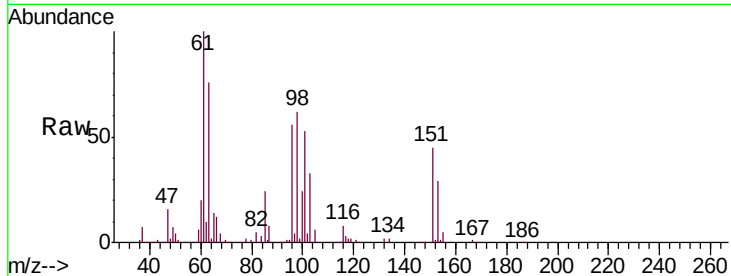
Tgt Ion: 101 Resp: 190633

Ion Ratio Lower Upper

101 100

85 46.4 37.3 55.9

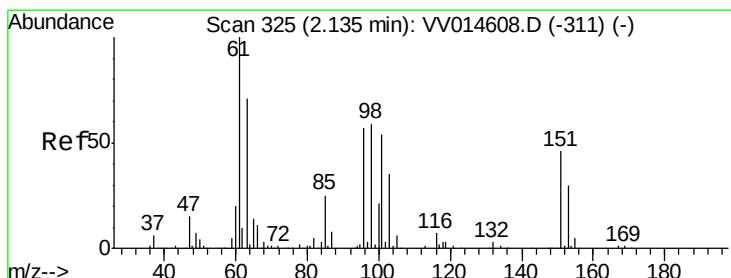
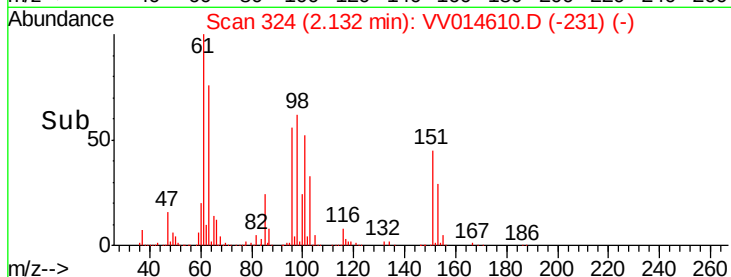
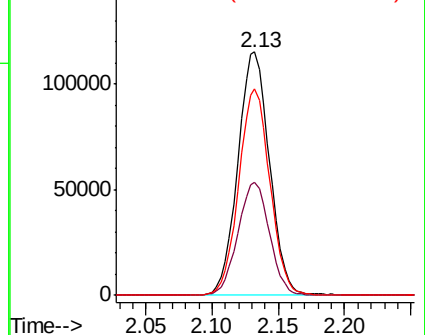
151 83.9 66.3 99.5



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: 15.433 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

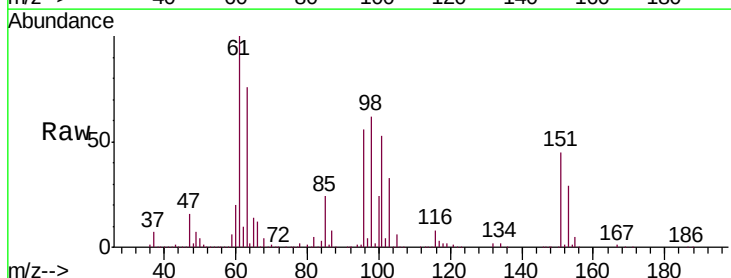
Tgt Ion: 96 Resp: 172458

Ion Ratio Lower Upper

96 100

61 179.1 122.4 227.2

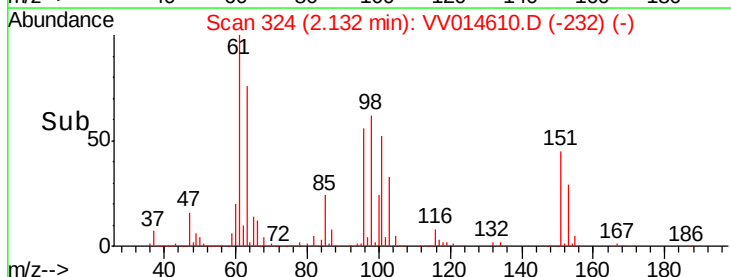
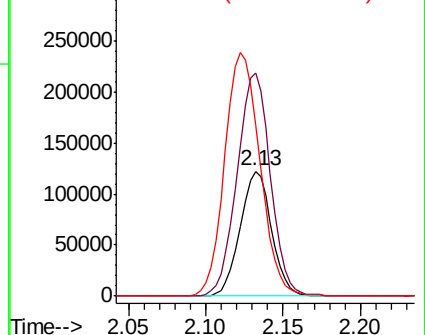
63 136.8 86.9 161.5

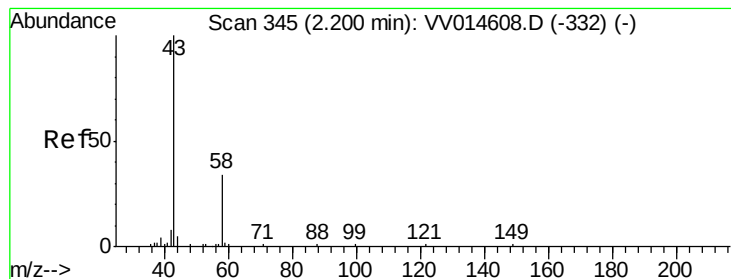


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 96.140 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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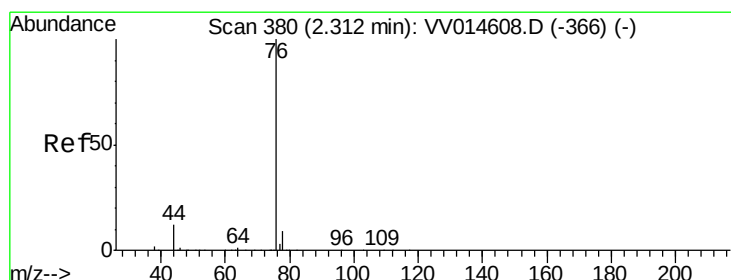
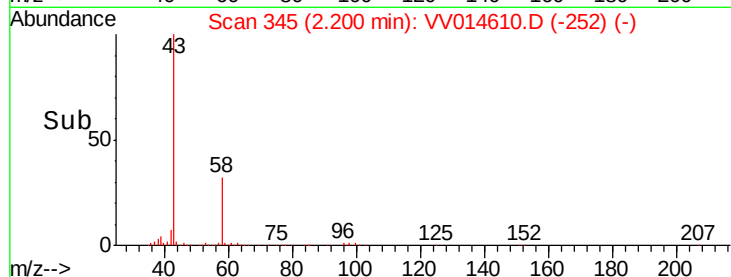
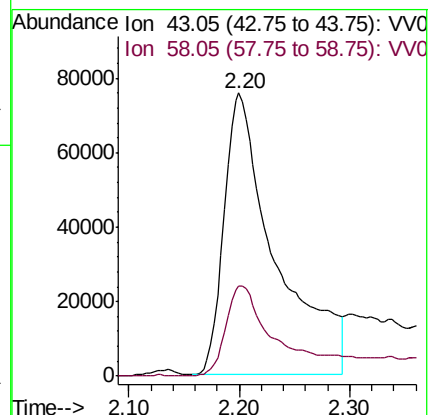
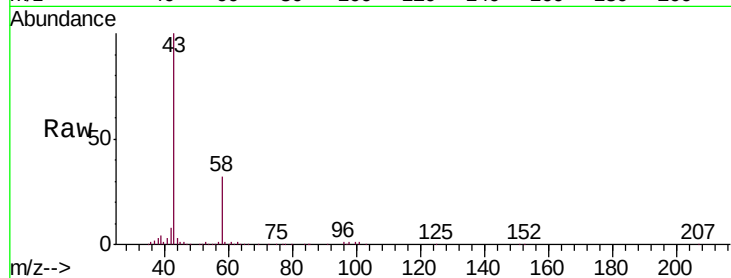
VSTD020705

Tgt Ion: 43 Resp: 245299

Ion Ratio Lower Upper

43 100

58 35.0 0.0 61.8



#14

Carbon disulfide

Concen: 17.532 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV014610.D

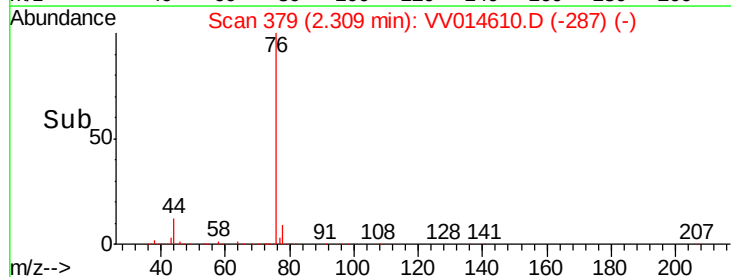
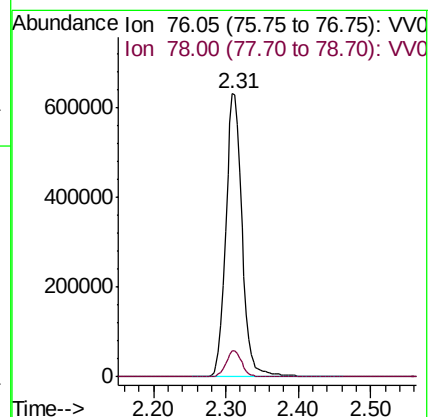
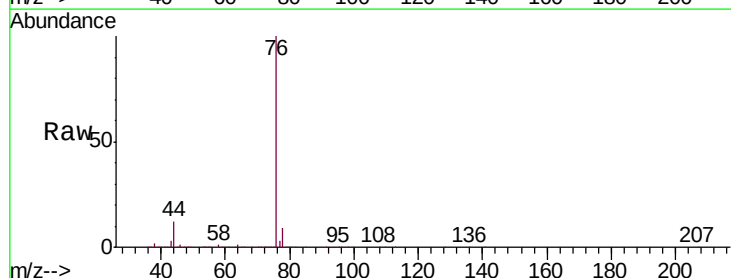
Acq: 19 Feb 2020 16:36

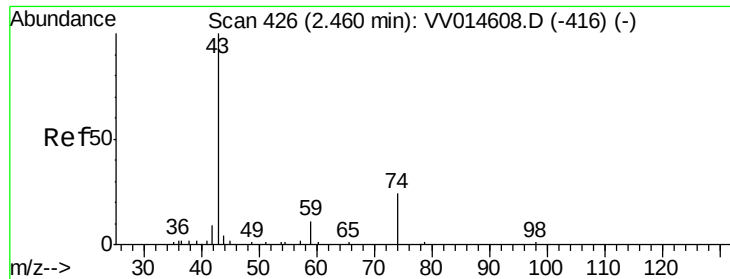
Tgt Ion: 76 Resp: 979521

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

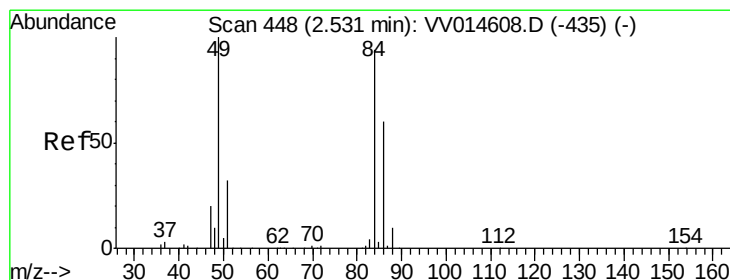
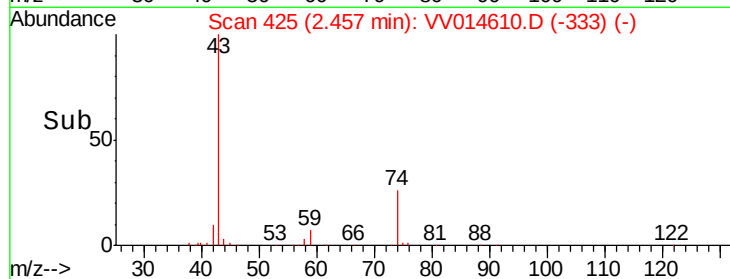
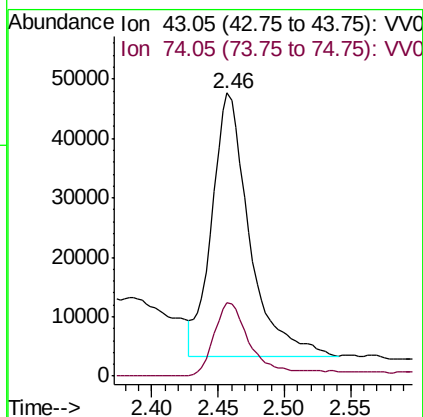
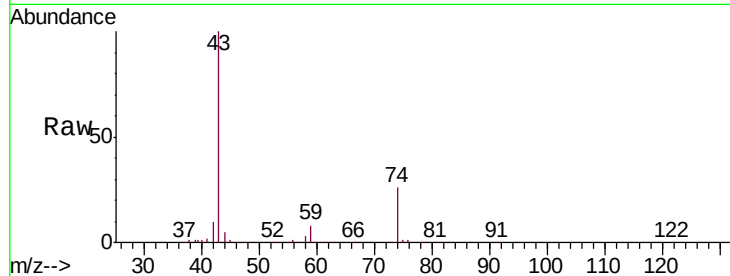




#15
Methyl Acetate
Concen: 15.767 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

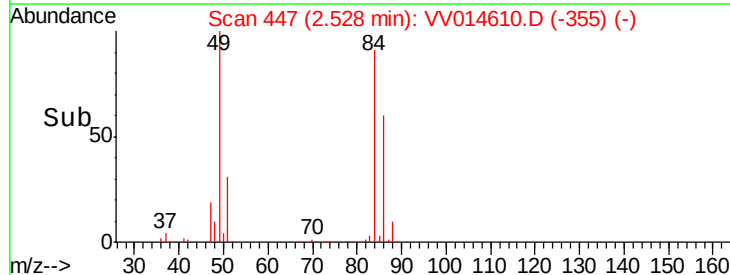
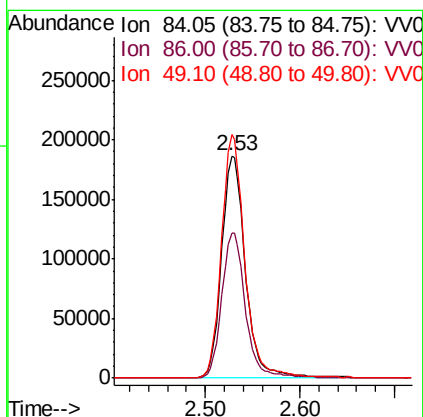
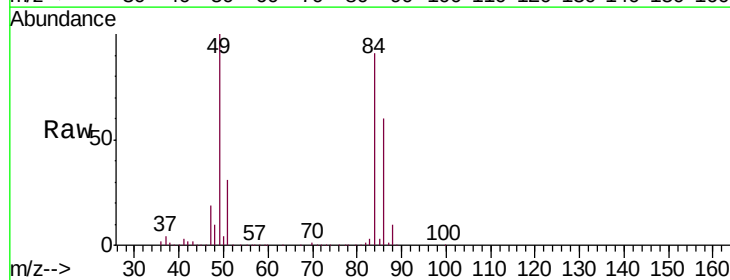
Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

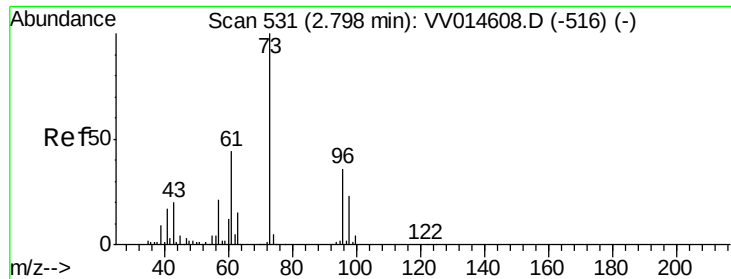
Tgt Ion: 43 Resp: 87157
Ion Ratio Lower Upper
43 100
74 26.8 25.0 37.6



#16
Methylene chloride
Concen: 14.209 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion: 84 Resp: 327127
Ion Ratio Lower Upper
84 100
86 65.4 44.8 83.2
49 109.6 74.8 139.0

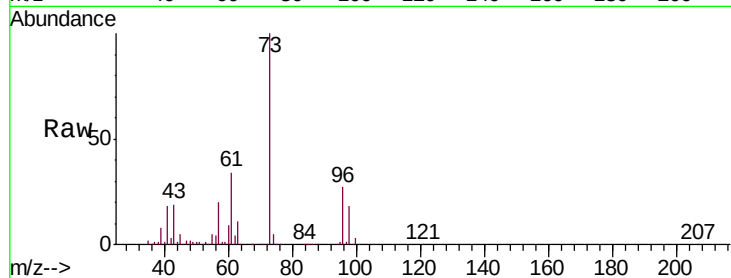




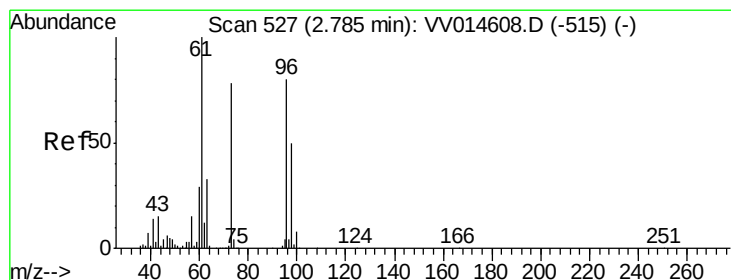
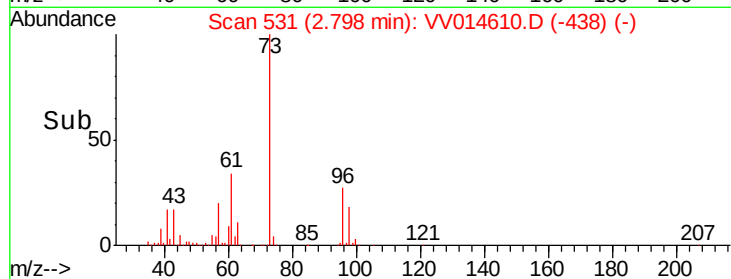
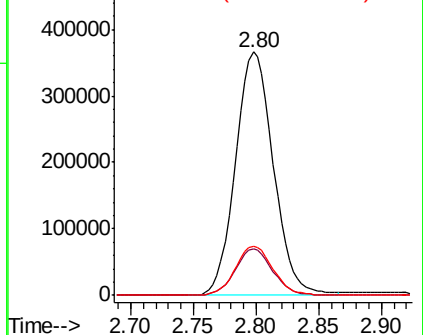
#17
Methyl tert-butyl Ether
Concen: 19.016 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

Tgt Ion: 73 Resp: 769219
Ion Ratio Lower Upper
73 100
43 18.8 15.1 22.7
57 20.1 16.0 24.0

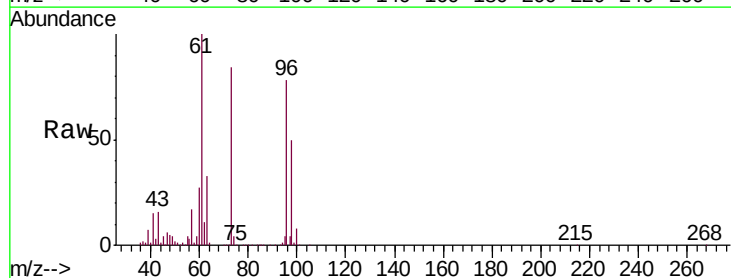


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

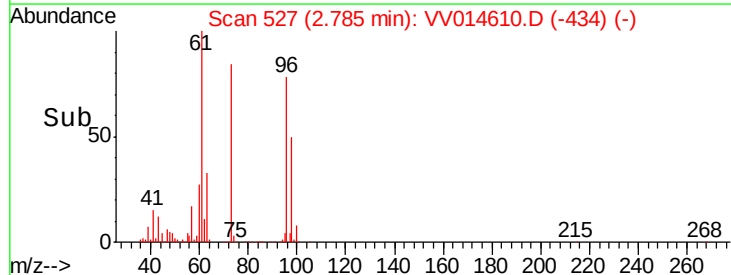
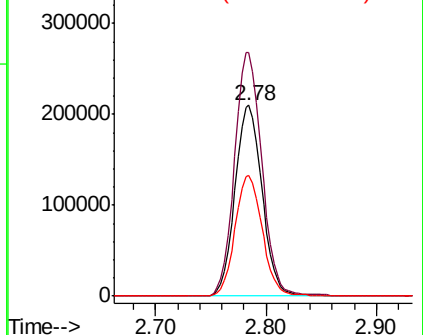


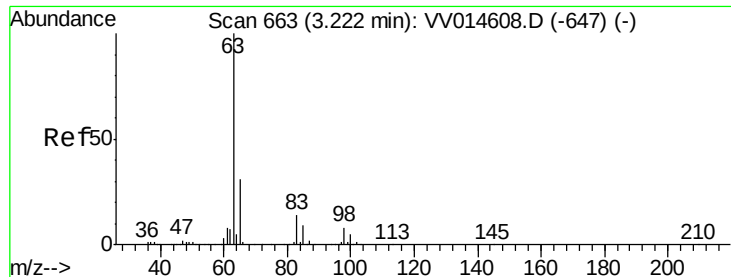
#18
trans-1,2-Dichloroethene
Concen: 19.326 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion: 96 Resp: 357980
Ion Ratio Lower Upper
96 100
61 127.6 87.2 162.0
98 63.3 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

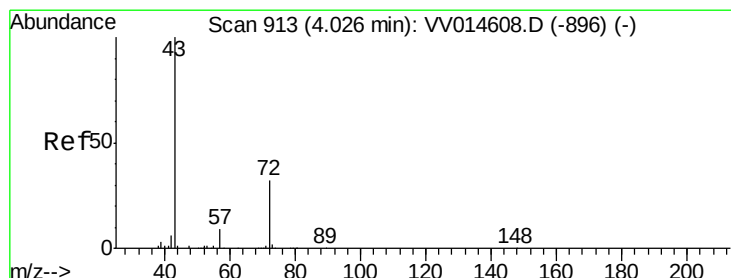
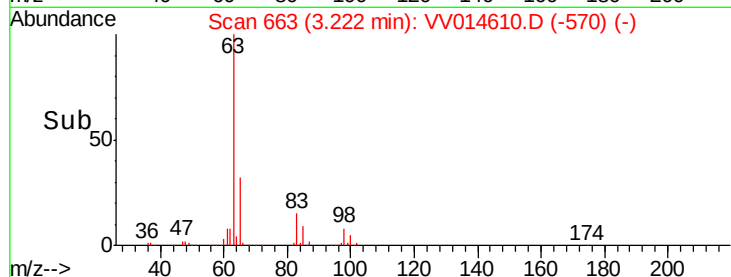
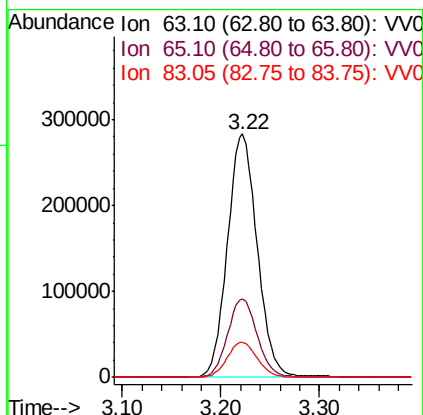
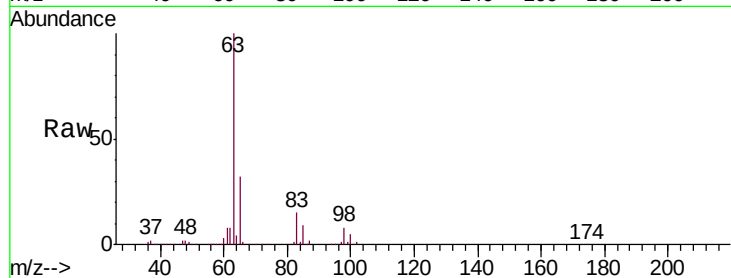




#19
 1,1-Dichloroethane
 Concen: 17.697 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

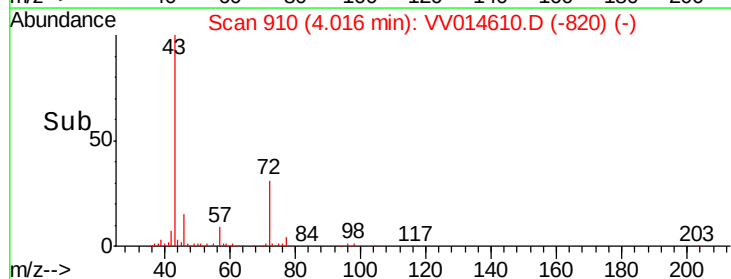
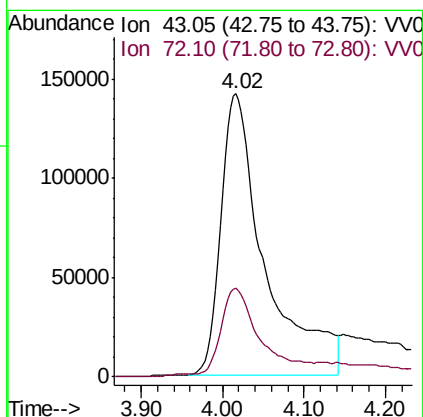
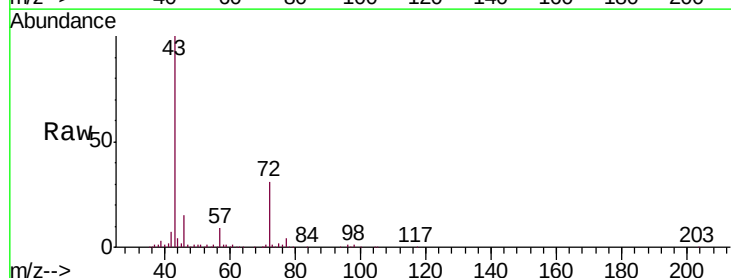
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

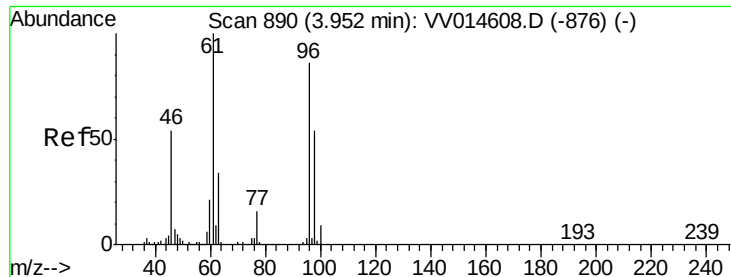
Tgt Ion: 63 Resp: 597710
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.4 39.8
 83 14.5 10.0 18.6



#21
 2-Butanone
 Concen: 133.985 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 43 Resp: 536901
 Ion Ratio Lower Upper
 43 100
 72 27.1 11.5 34.5



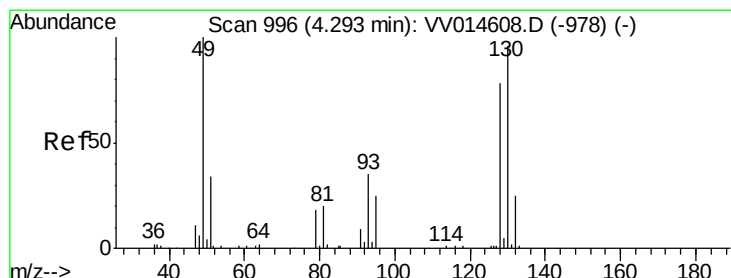
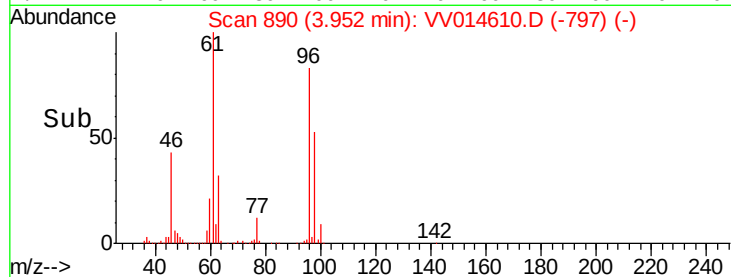
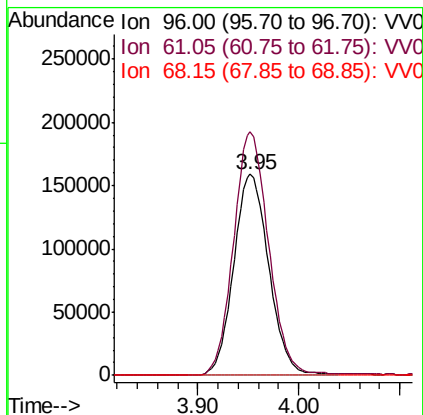
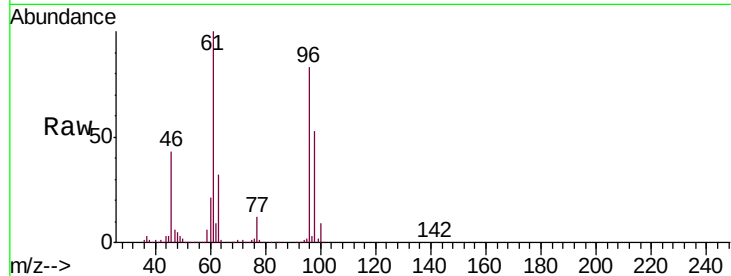


#22

cis-1,2-Dichloroethene
 Concen: 19.687 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

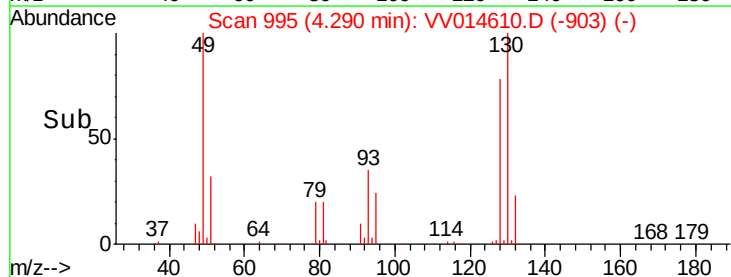
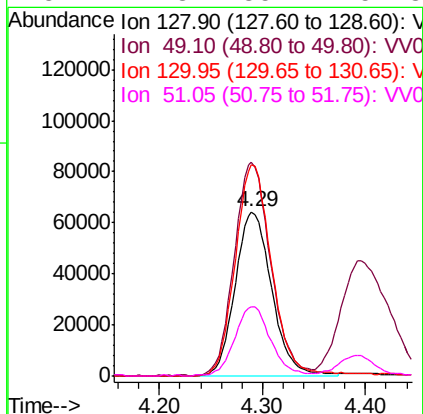
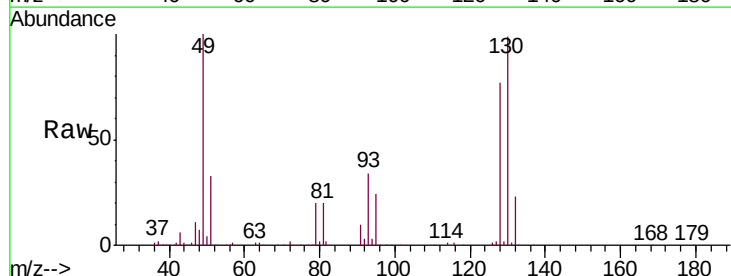
Tgt Ion: 96 Resp: 385503
 Ion Ratio Lower Upper
 96 100
 61 120.9 81.5 151.5
 68 0.1 0.0 0.0#

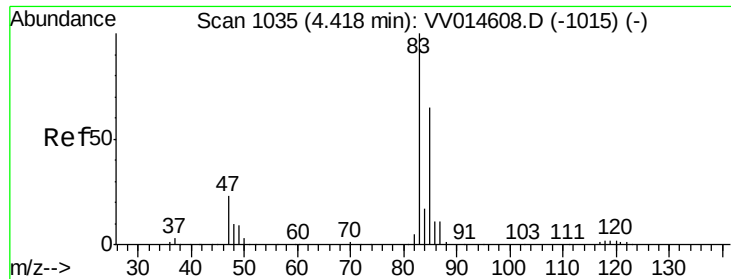


#23

Bromochloromethane
 Concen: 21.032 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 128 Resp: 158971
 Ion Ratio Lower Upper
 128 100
 49 130.0 90.2 167.4
 130 128.5 85.6 159.0
 51 42.3 35.2 52.8

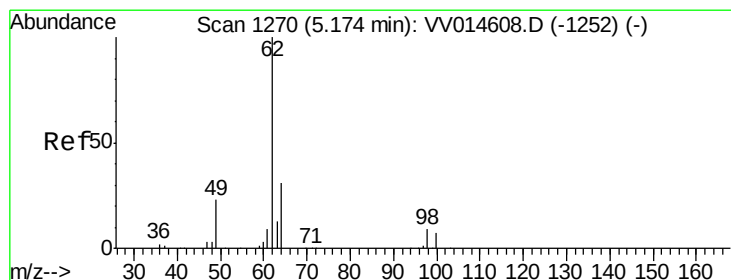
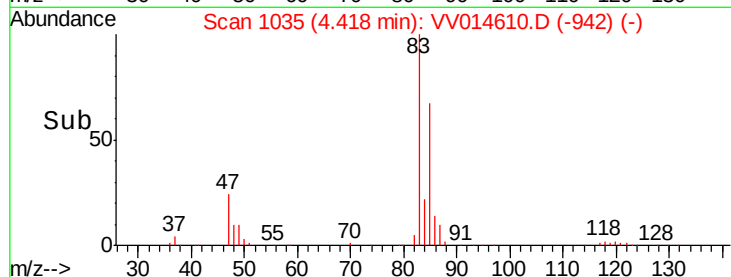
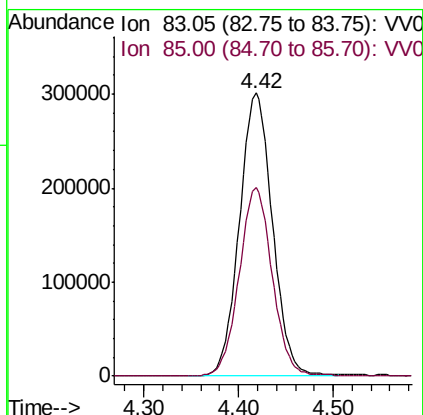
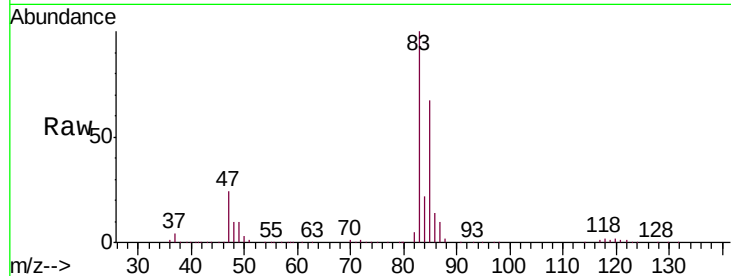




#25
Chloroform
Concen: 20.790 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

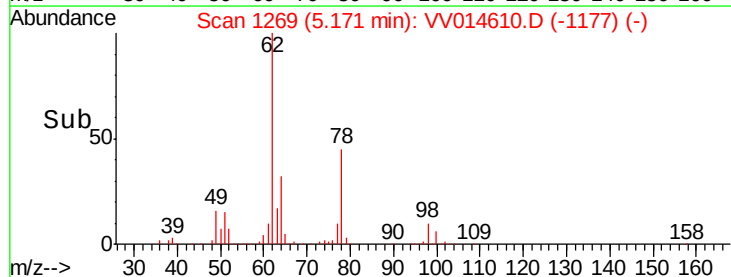
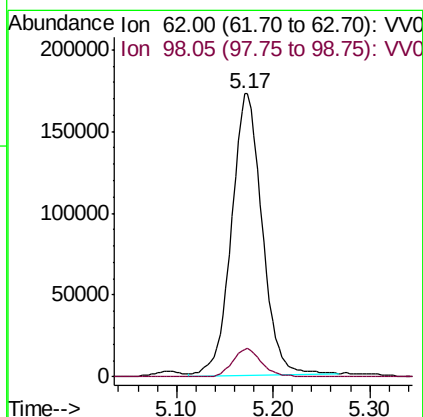
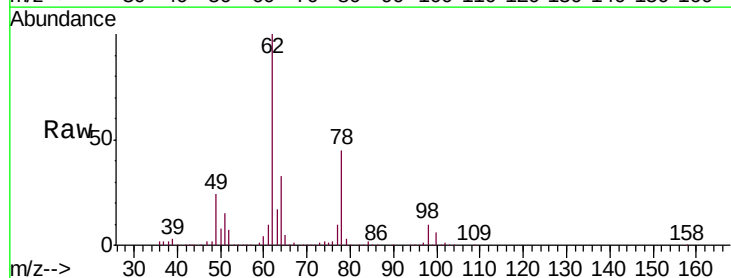
Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

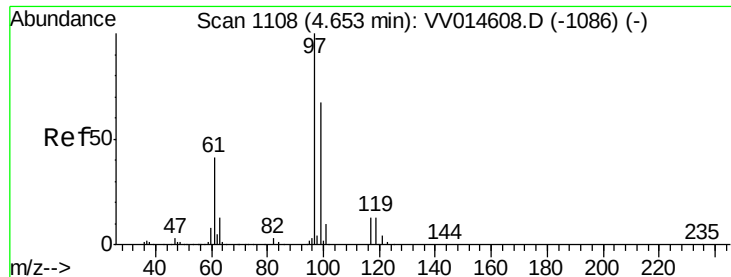
Tgt Ion: 83 Resp: 731842
Ion Ratio Lower Upper
83 100
85 66.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 19.994 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion: 62 Resp: 378295
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4

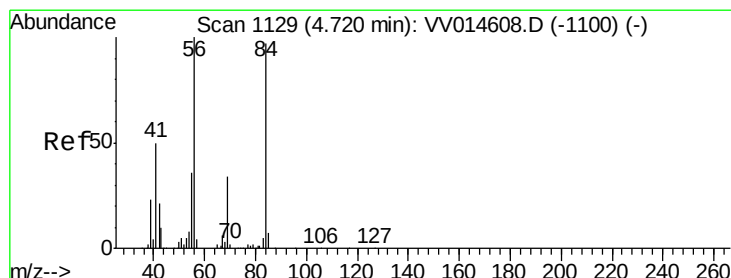
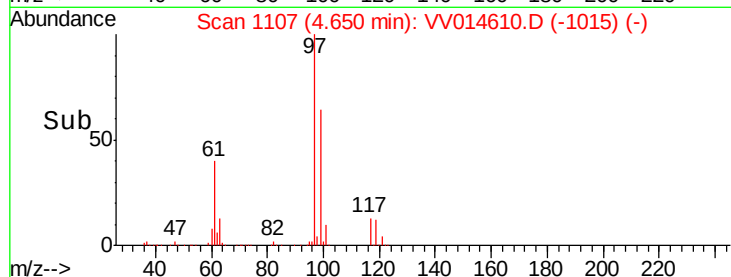
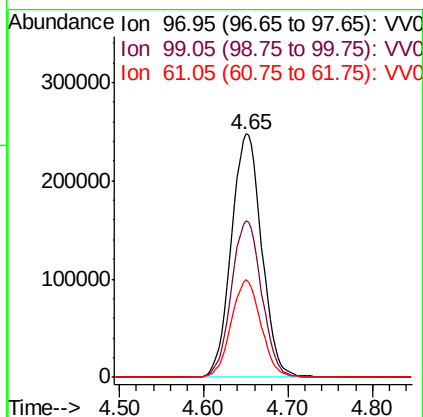
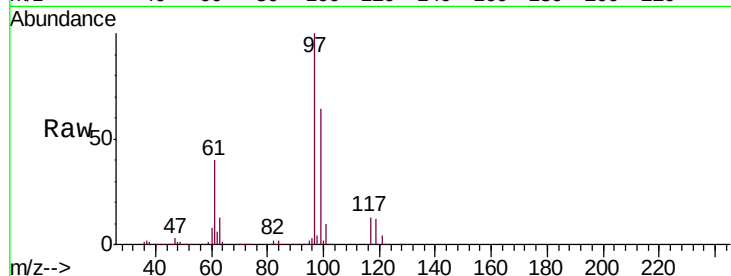




#29
 1,1,1-Trichloroethane
 Concen: 20.862 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

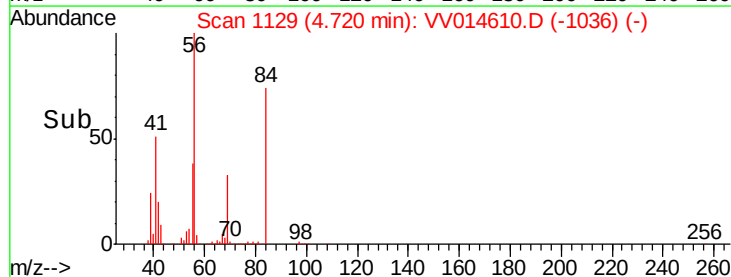
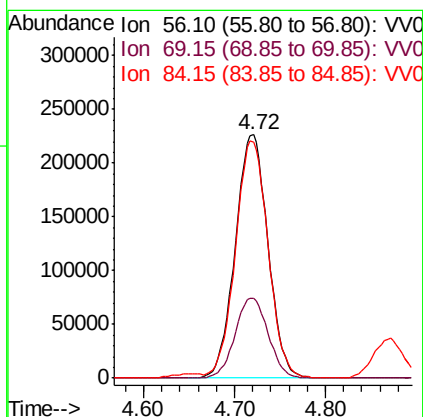
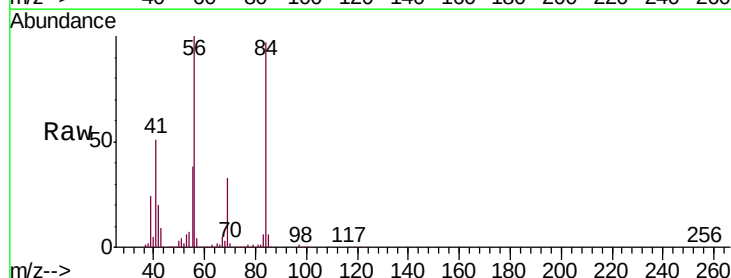
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

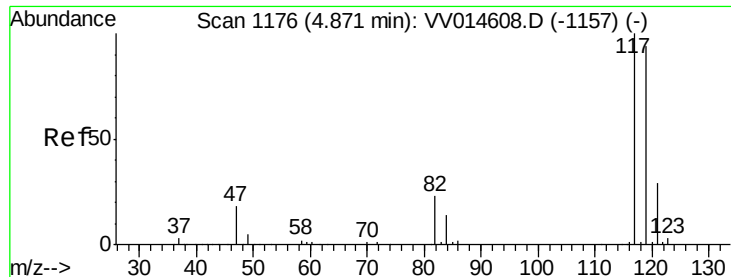
Tgt Ion: 97 Resp: 621429
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.1 78.1
 61 39.5 32.8 49.2



#30
 Cyclohexane
 Concen: 16.269 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 56 Resp: 565103
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.7 40.1
 84 97.3 75.9 113.9





#31

Carbon tetrachloride

Concen: 21.523 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

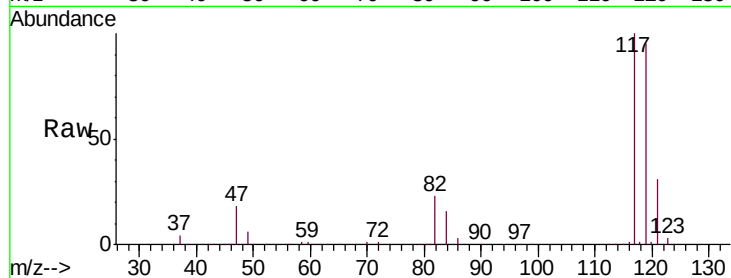
VSTD020705

Tgt Ion:117 Resp: 557481

Ion Ratio Lower Upper

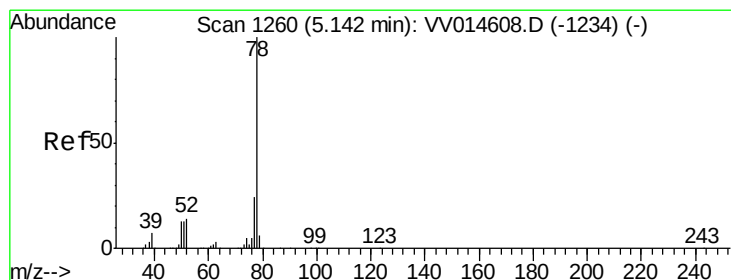
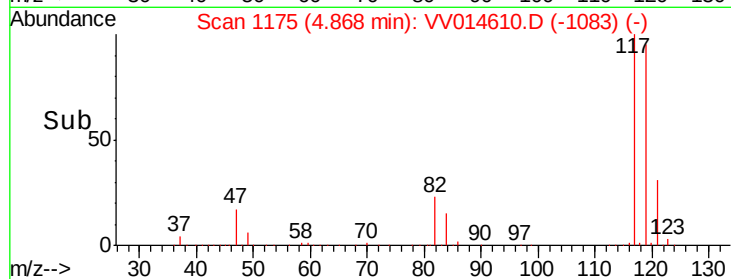
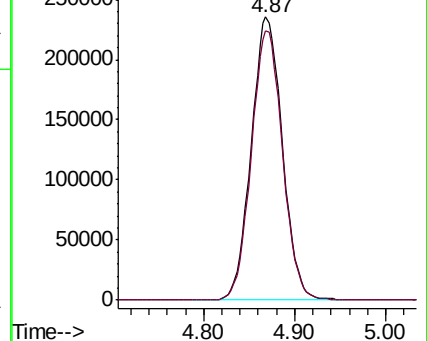
117 100

119 95.6 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.362 ug/L

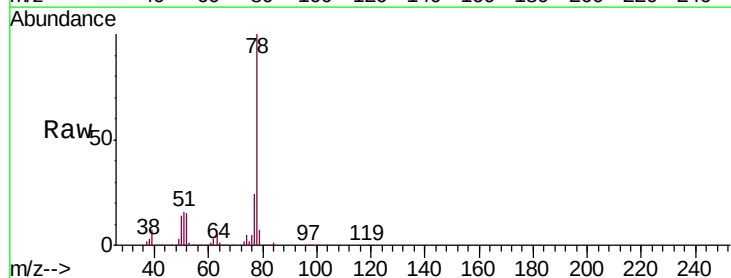
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

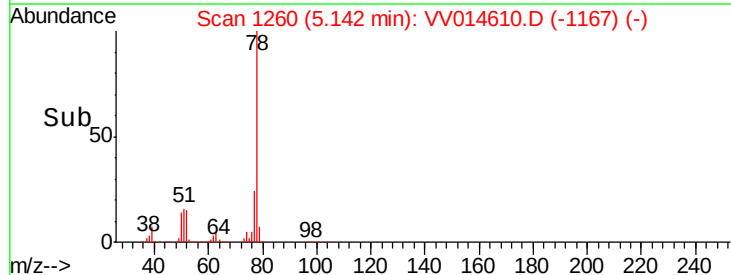
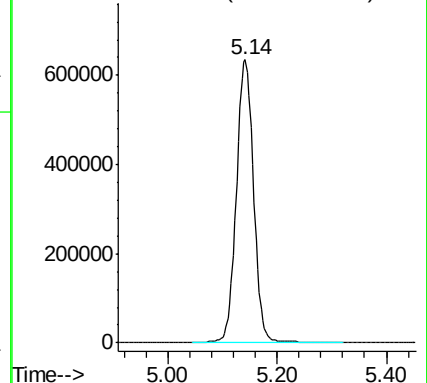
Lab File: VV014610.D

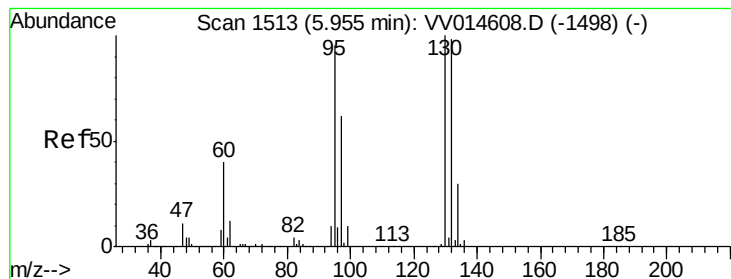
Acq: 19 Feb 2020 16:36

Tgt Ion: 78 Resp: 1398030



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 19.484 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD020705

Tgt Ion: 95 Resp: 389840

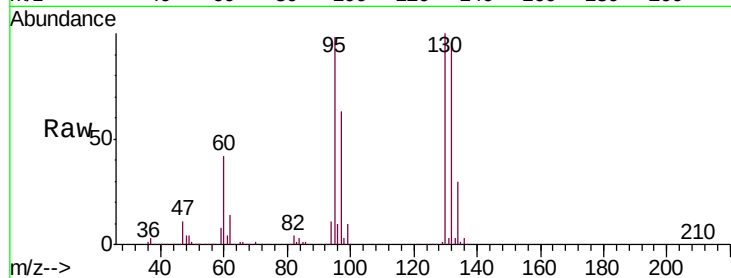
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.2

132 98.6 72.4 134.4

130 102.4 73.7 136.9

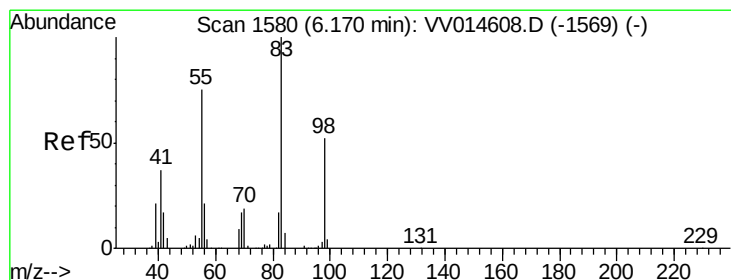
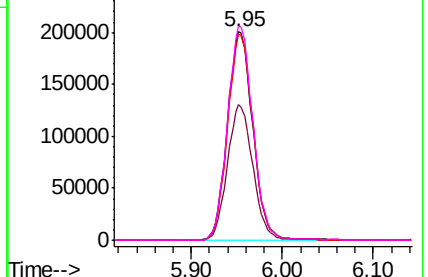
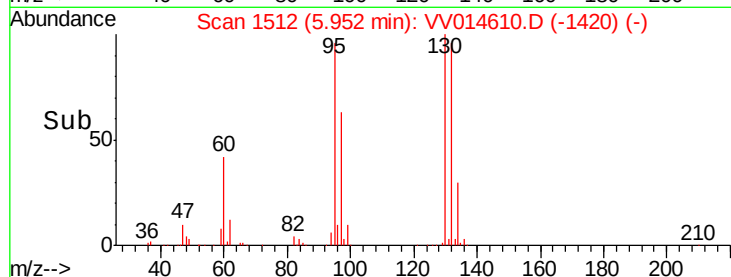


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 18.683 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

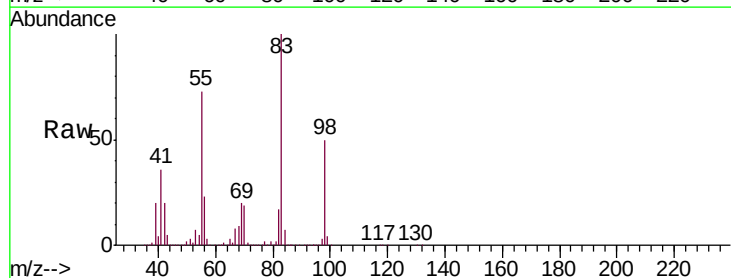
Tgt Ion: 83 Resp: 653933

Ion Ratio Lower Upper

83 100

55 70.6 57.1 85.7

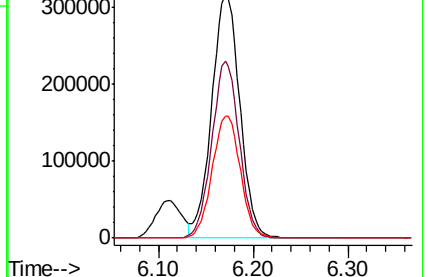
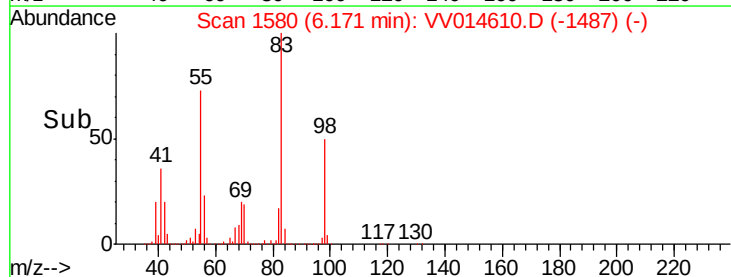
98 50.2 40.2 60.2

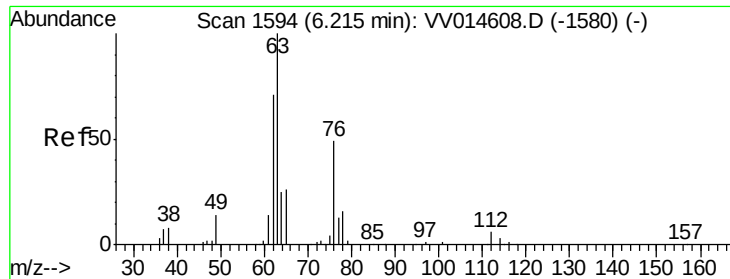


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

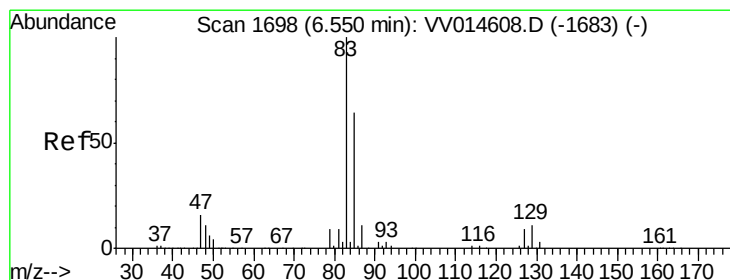
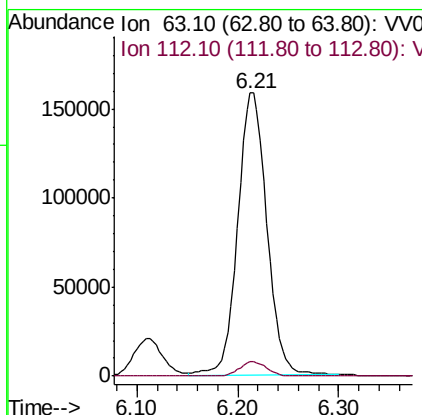
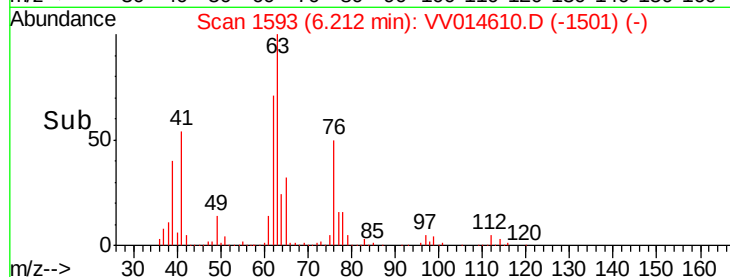
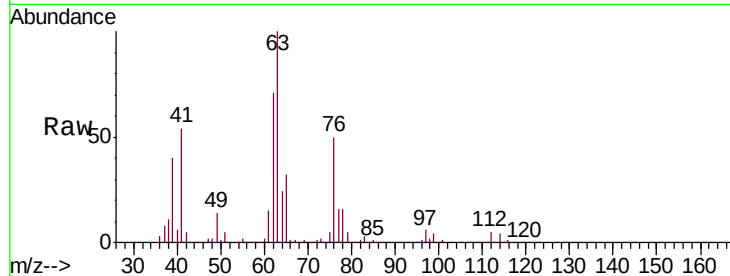




#37
 1,2-Dichloropropane
 Concen: 17.363 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

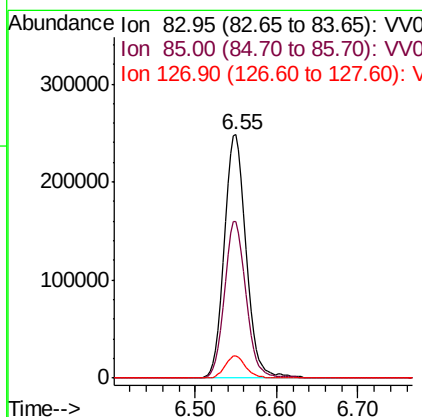
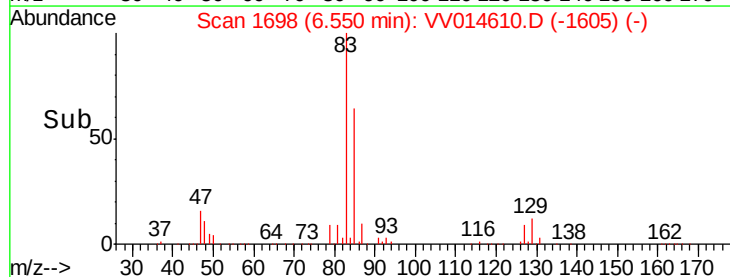
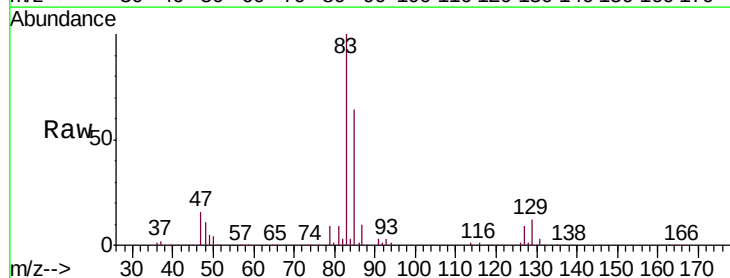
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD020705

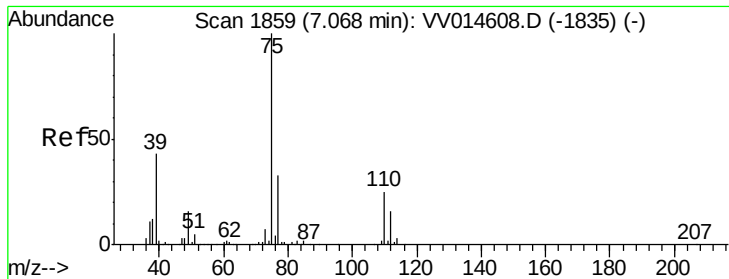
Tgt Ion: 63 Resp: 317137
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.3 6.5



#38
 Bromodichloromethane
 Concen: 19.901 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 83 Resp: 471947
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.2 84.0
 127 9.1 7.0 10.6

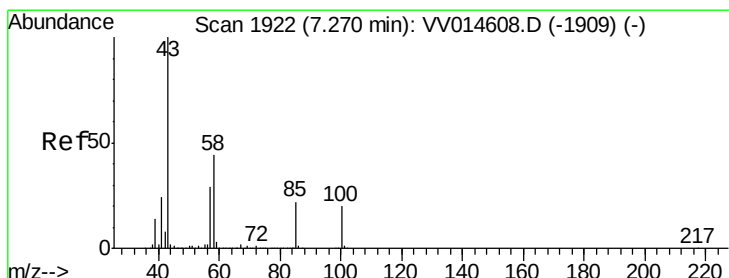
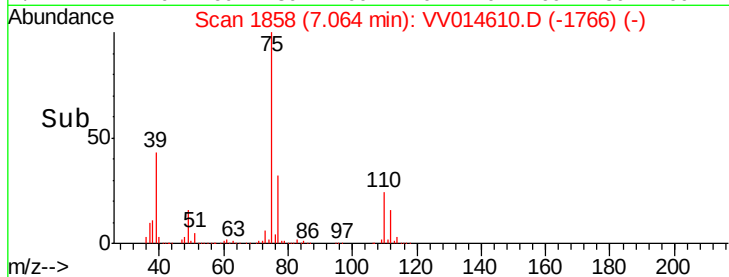
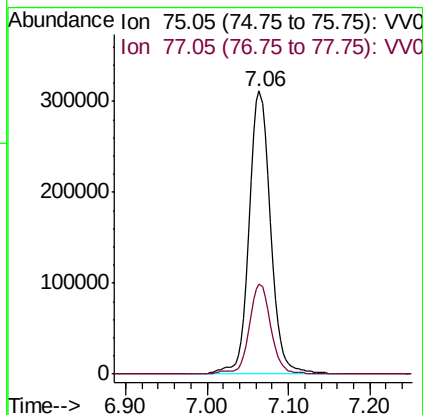
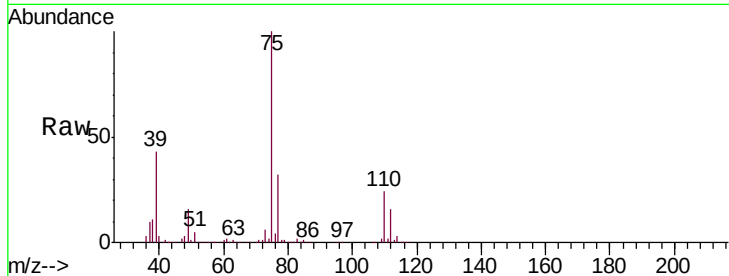




#39
 cis-1,3-Dichloropropene
 Concen: 19.138 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

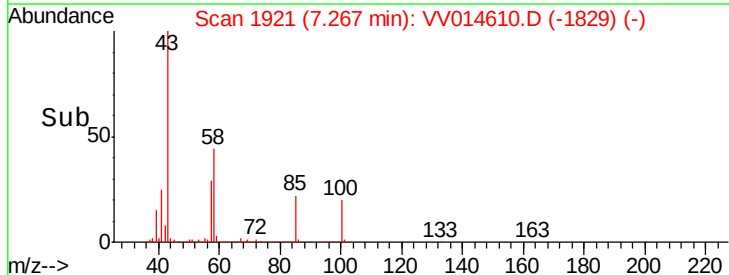
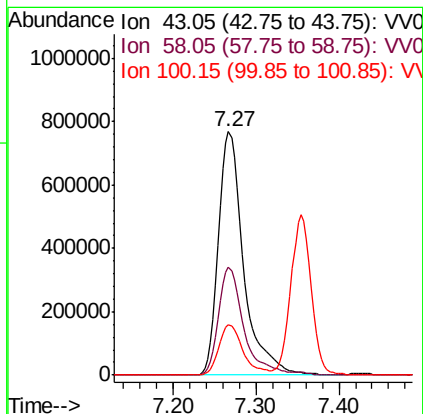
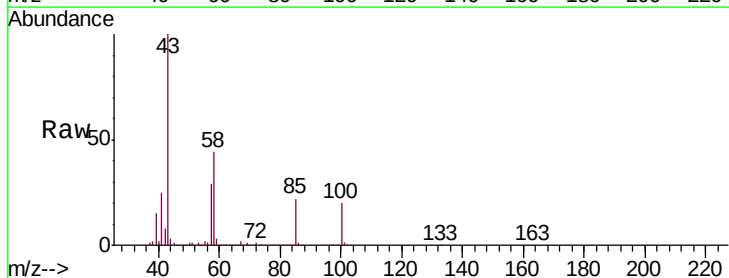
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

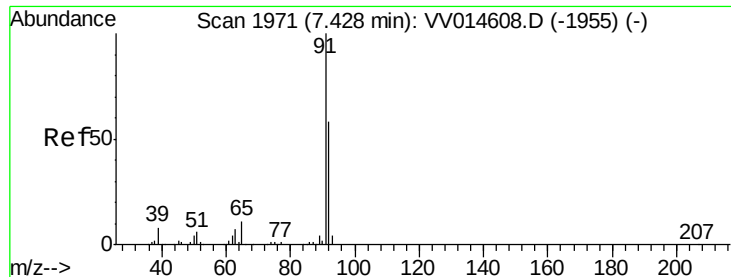
Tgt Ion: 75 Resp: 557911
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 152.068 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 43 Resp: 1617834
 Ion Ratio Lower Upper
 43 100
 58 44.6 36.2 54.2
 100 19.9 14.7 22.1





#42

Toluene

Concen: 18.580 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

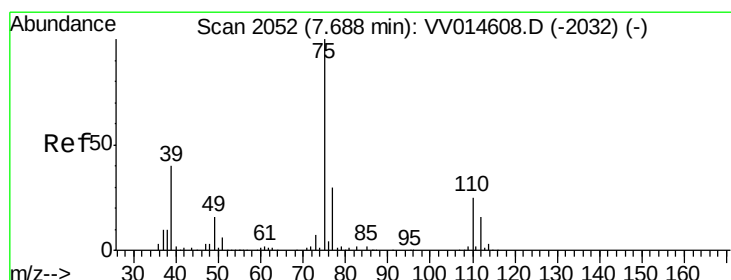
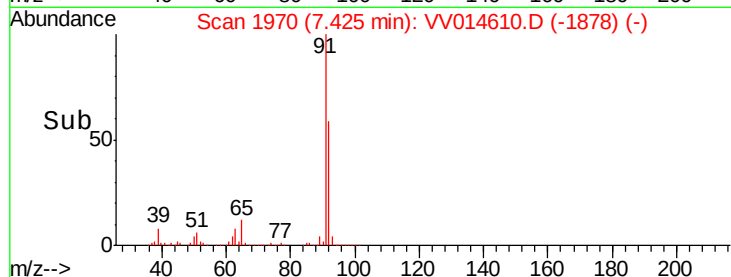
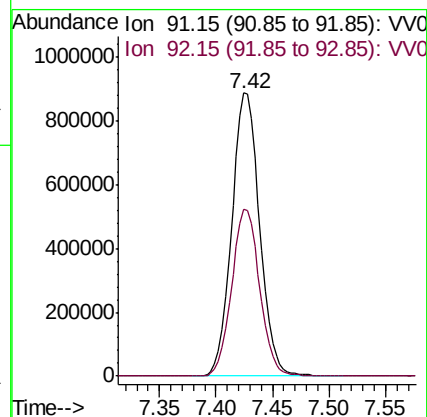
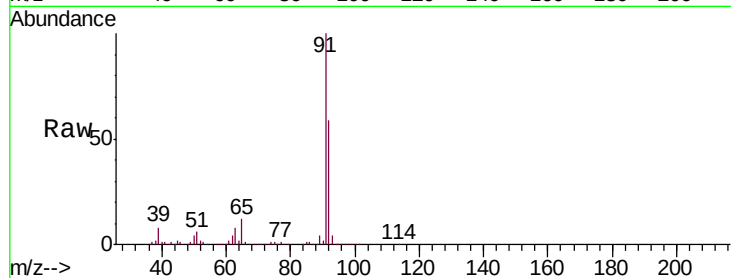
VSTD020705

Tgt Ion: 91 Resp: 1520281

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 19.468 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014610.D

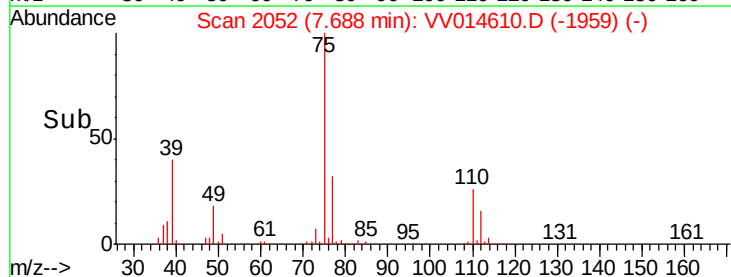
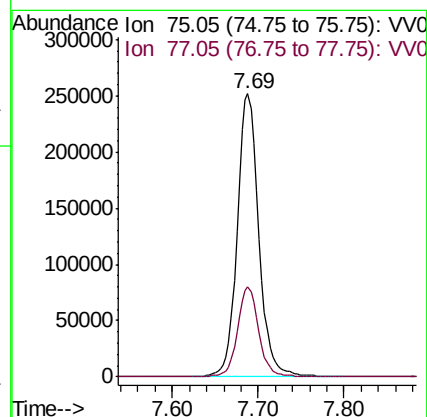
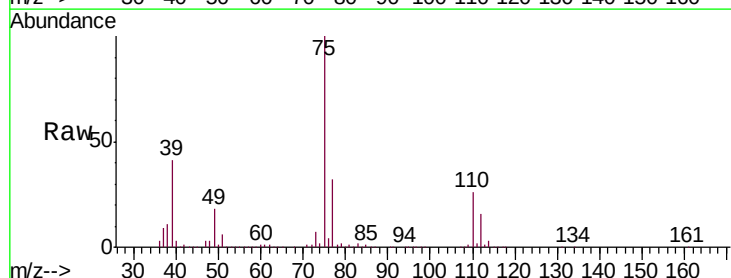
Acq: 19 Feb 2020 16:36

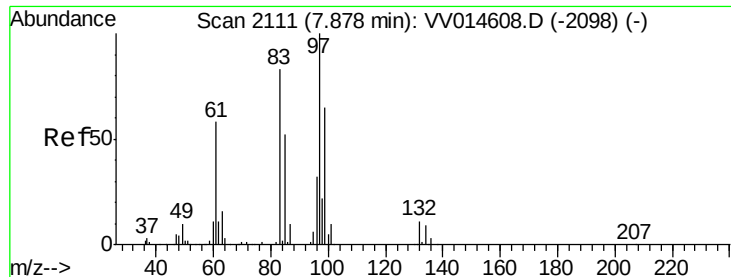
Tgt Ion: 75 Resp: 438318

Ion Ratio Lower Upper

75 100

77 31.7 21.0 39.0

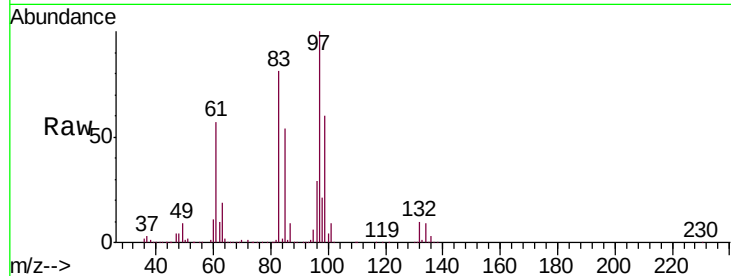




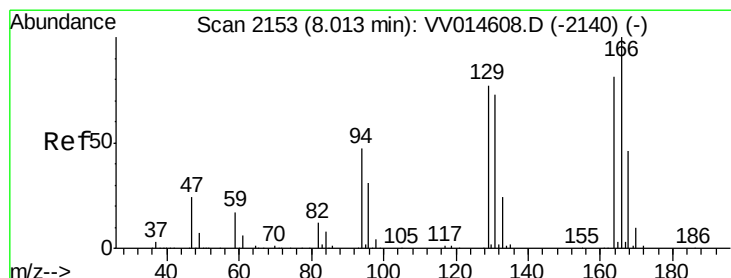
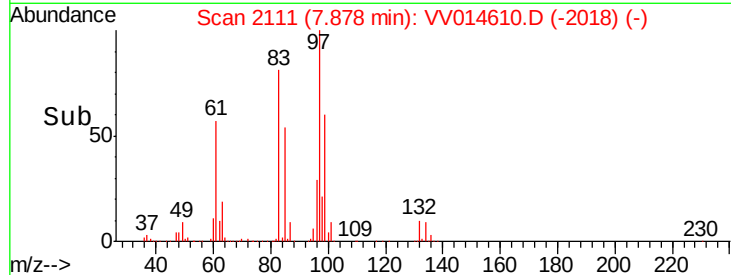
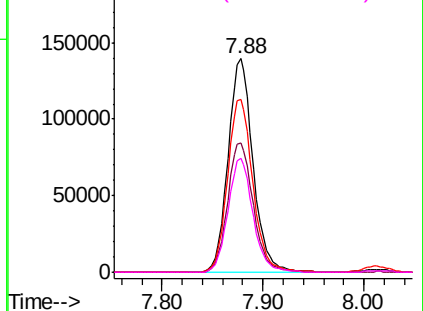
#45
 1,1,2-Trichloroethane
 Concen: 20.045 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

Tgt Ion:	97	Resp:	240741
Ion	Ratio	Lower	Upper
97	100		
99	60.3	45.2	84.0
83	81.2	58.3	108.3
85	53.6	36.3	67.5

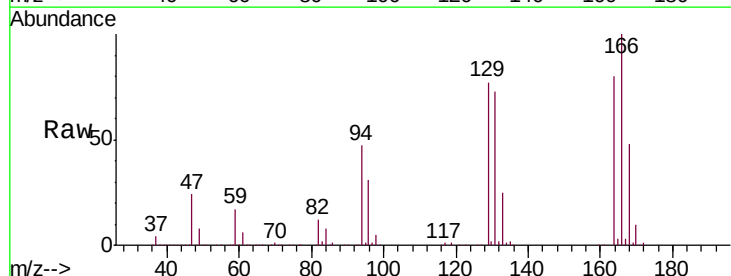


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

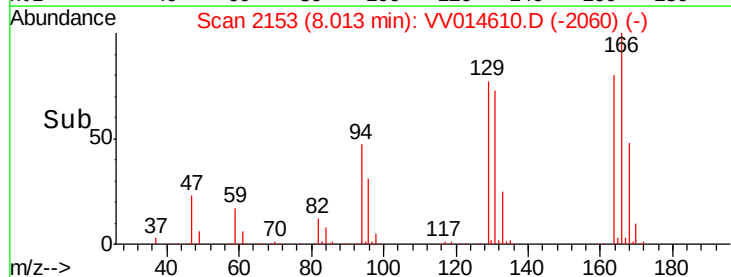
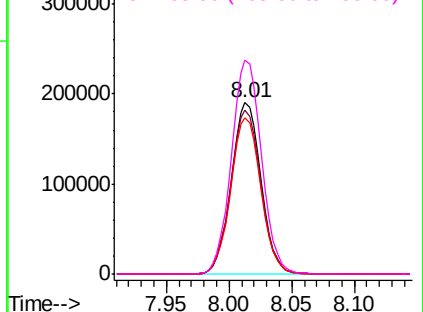


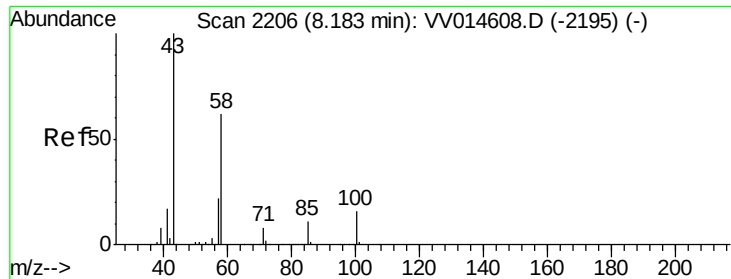
#47
 Tetrachloroethene
 Concen: 22.033 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion:	164	Resp:	312950
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.0	124.4
131	91.1	63.6	118.2
166	124.7	86.7	161.1



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



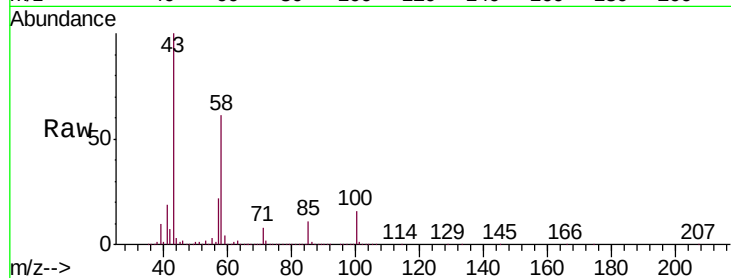


#48
2-Hexanone
Concen: 157.513 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

Tgt Ion: 43 Resp: 1148181

Ion	Ratio	Lower	Upper
43	100		
58	60.7	48.6	73.0
57	22.2	17.7	26.5
100	15.6	12.8	19.2

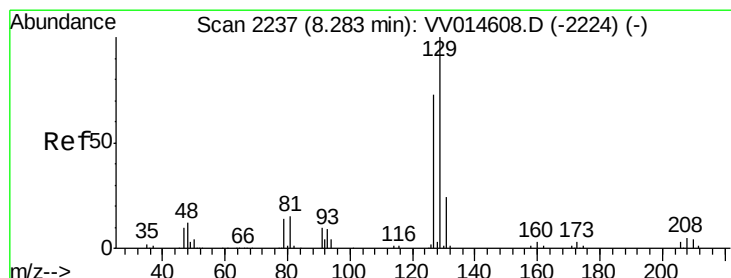
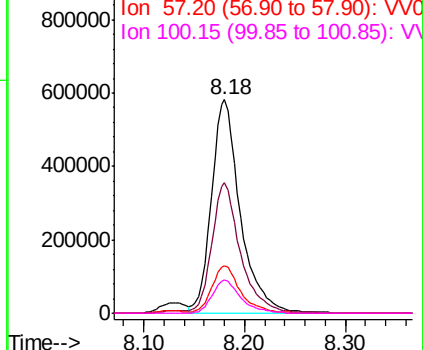
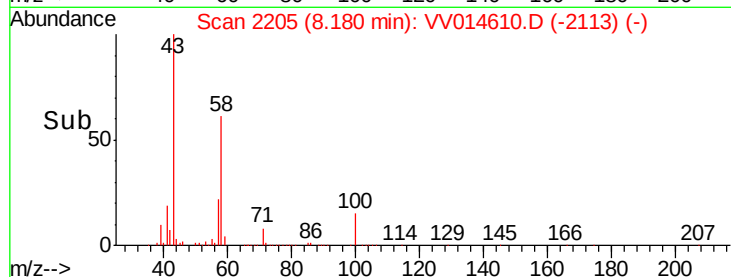


Abundance Ion 43.05 (42.75 to 43.75): VV014610.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV014610.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV014610.D (-2195) (-)

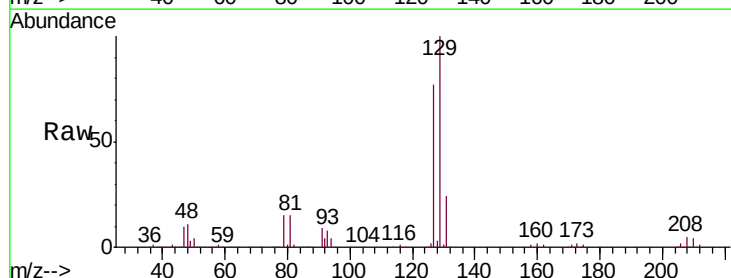
Ion 100.15 (99.85 to 100.85): VV014610.D (-2195) (-)



#49
Dibromochloromethane
Concen: 21.641 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

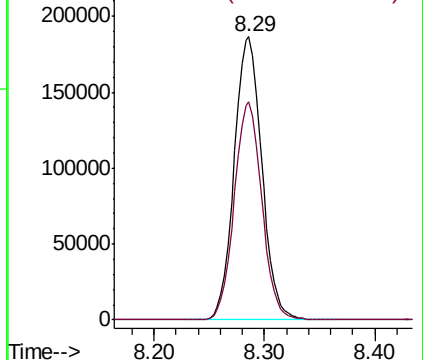
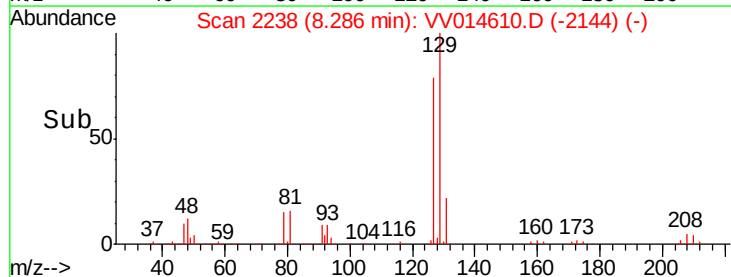
Tgt Ion: 129 Resp: 324158

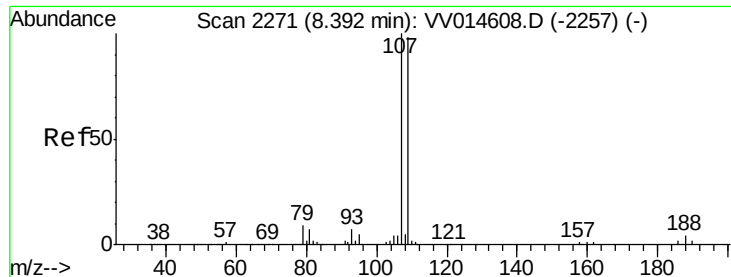
Ion	Ratio	Lower	Upper
129	100		
127	77.0	50.9	94.5



Abundance Ion 128.95 (128.65 to 129.65): VV014610.D (-2224) (-)

Ion 126.90 (126.60 to 127.60): VV014610.D (-2224) (-)

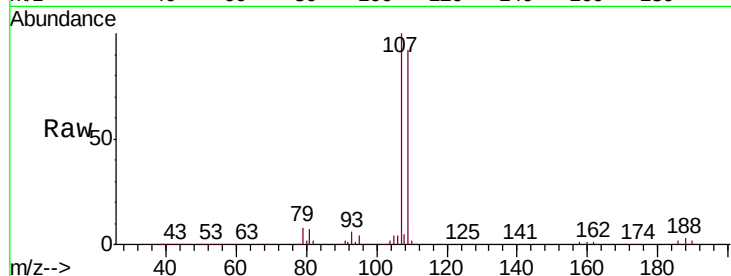




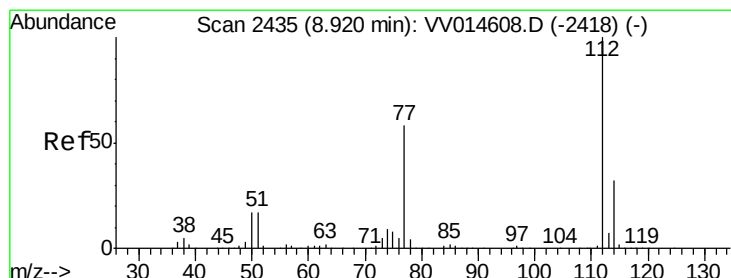
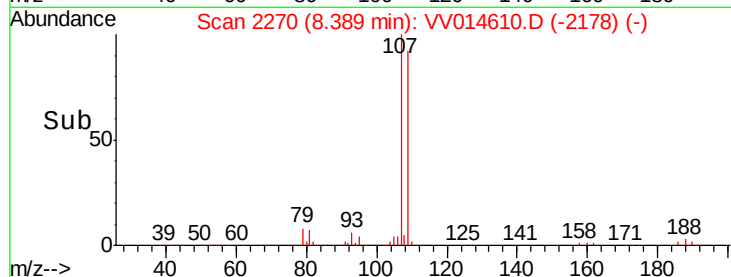
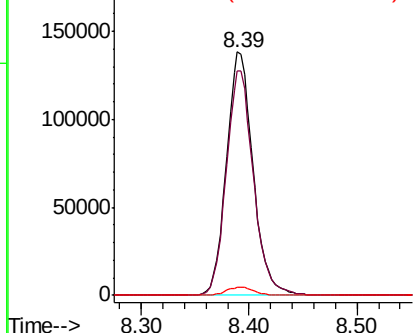
#50
1,2-Dibromoethane
Concen: 21.265 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

Tgt Ion:107 Resp: 237306
Ion Ratio Lower Upper
107 100
109 92.2 68.7 127.5
188 3.3 2.9 4.3

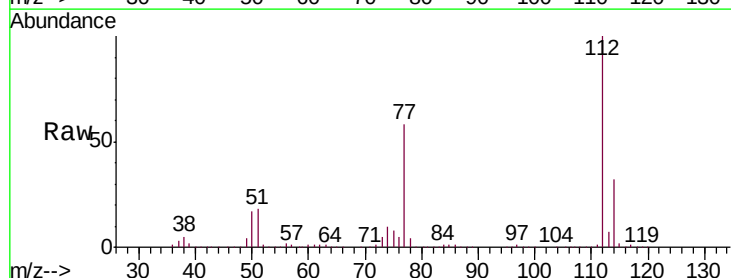


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

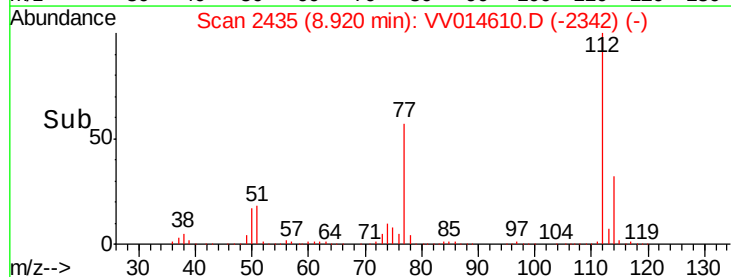
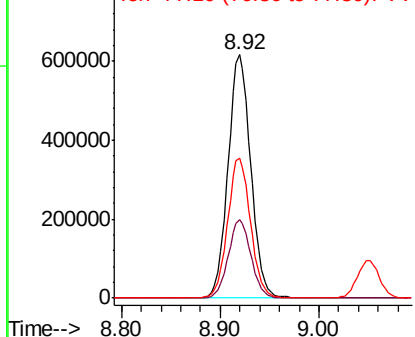


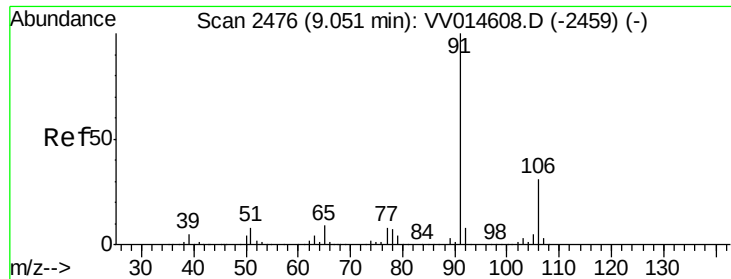
#51
Chlorobenzene
Concen: 19.734 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion:112 Resp: 997160
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.9
77 57.5 46.6 70.0



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: 18.960 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

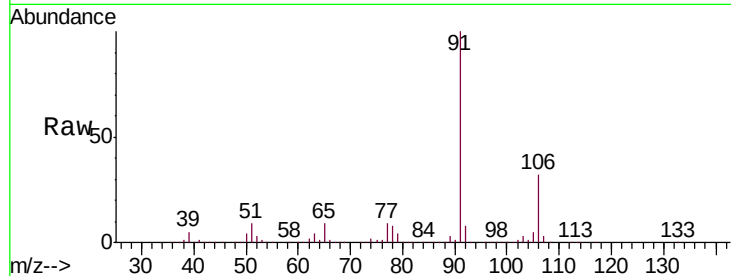
VSTD020705

Tgt Ion: 91 Resp: 1741340

Ion Ratio Lower Upper

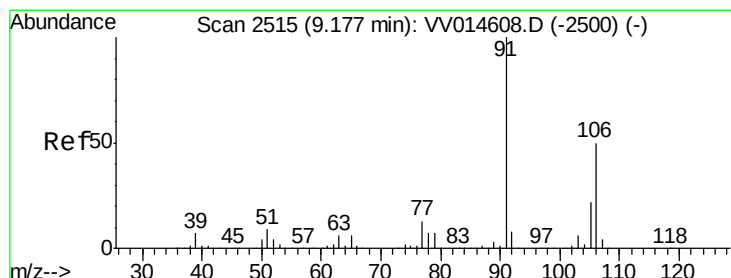
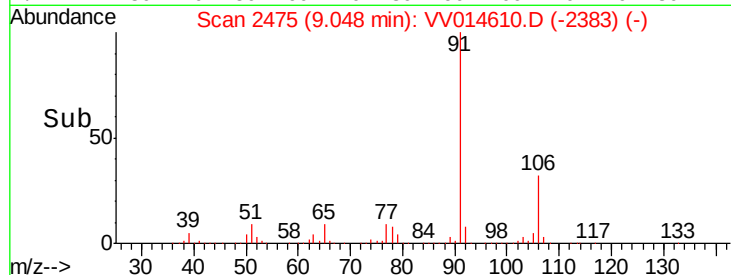
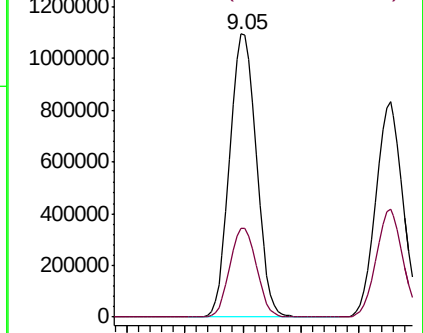
91 100

106 31.5 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 19.700 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014610.D

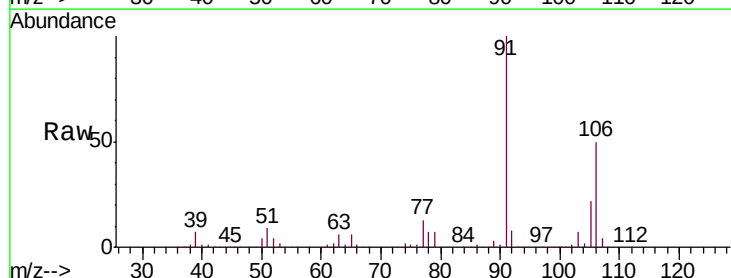
Acq: 19 Feb 2020 16:36

Tgt Ion: 106 Resp: 673840

Ion Ratio Lower Upper

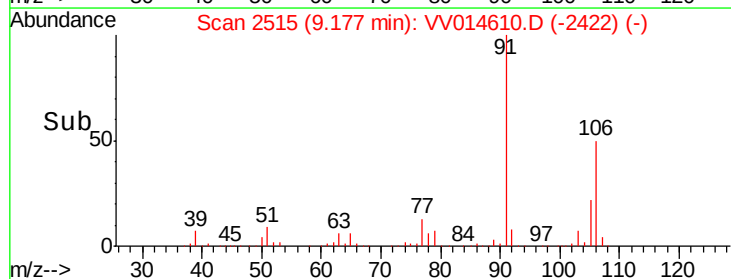
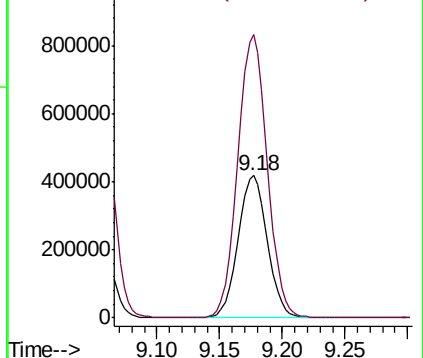
106 100

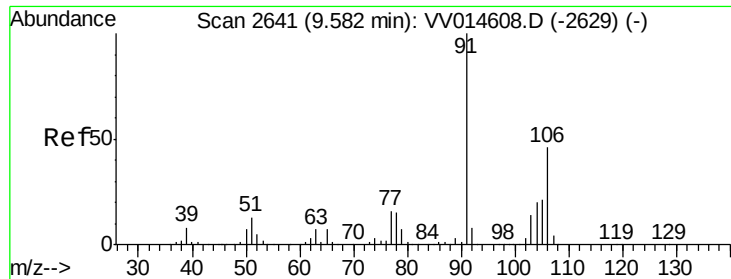
91 199.2 139.6 259.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

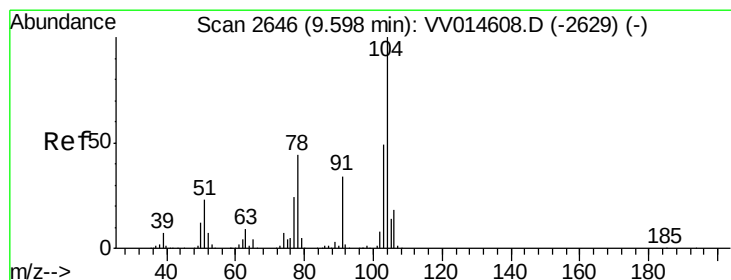
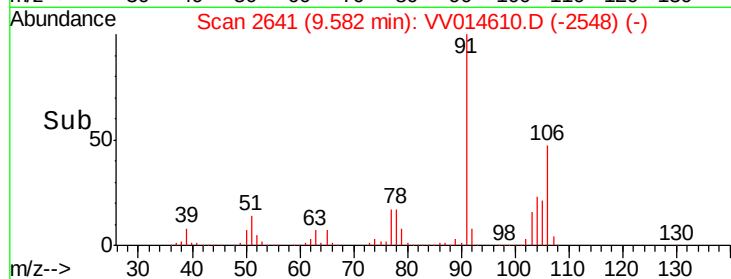
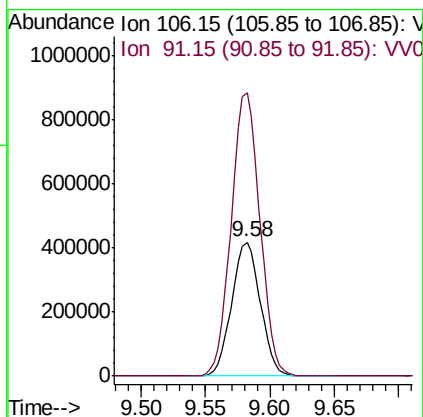
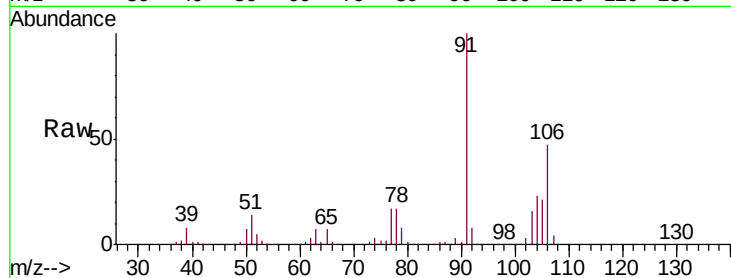




#54
o-xylene
Concen: 19.515 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

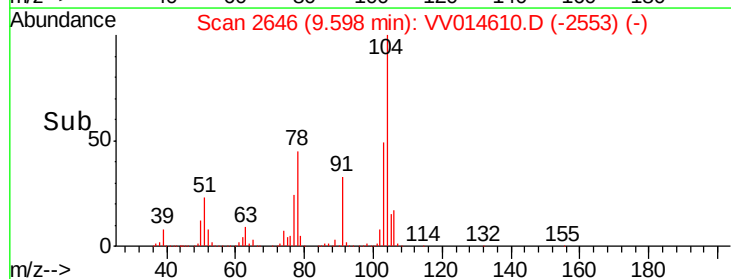
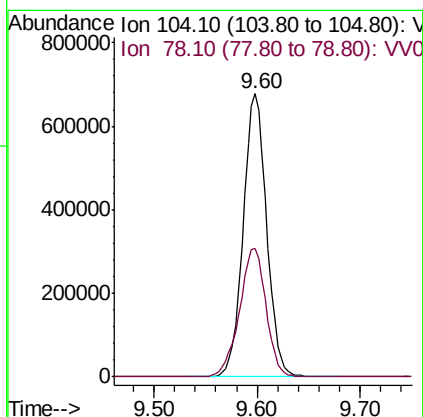
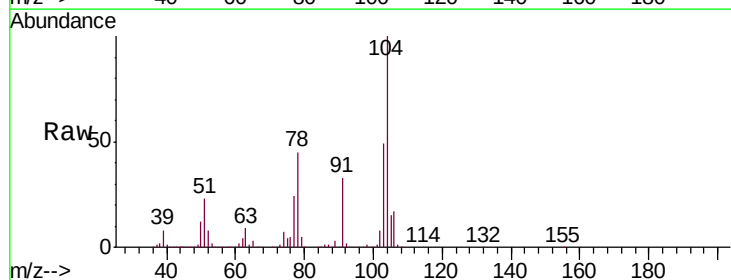
Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

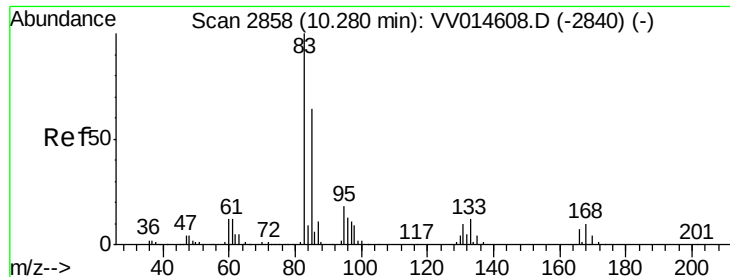
Tgt Ion:106 Resp: 645353
Ion Ratio Lower Upper
106 100
91 211.7 153.9 285.7



#55
Styrene
Concen: 19.545 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion:104 Resp: 1071368
Ion Ratio Lower Upper
104 100
78 45.2 30.8 57.2





#57

1,1,2,2-Tetrachloroethane

Concen: 18.924 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD020705

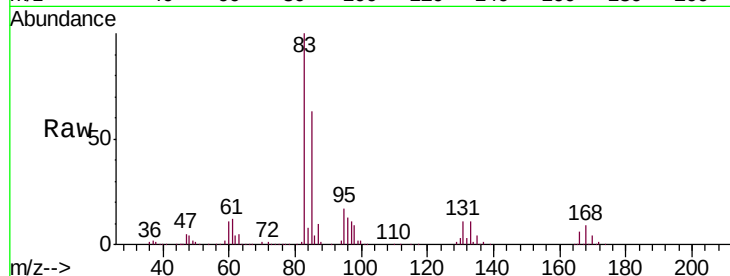
Tgt Ion: 83 Resp: 275488

Ion Ratio Lower Upper

83 100

85 62.6 44.6 82.8

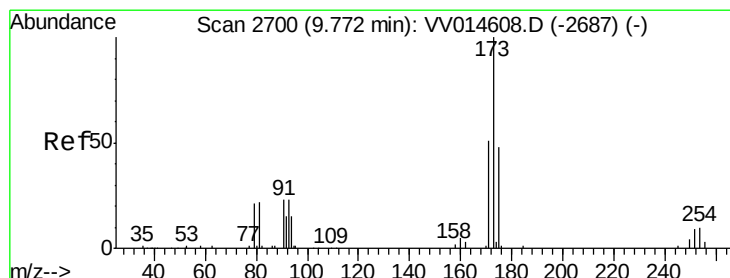
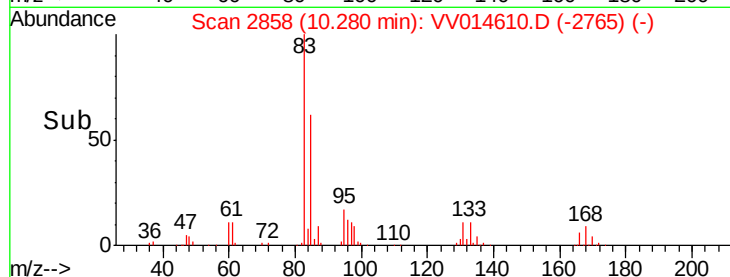
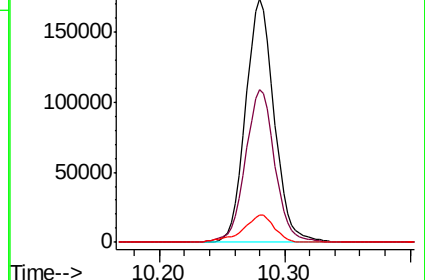
131 11.0 8.1 12.1



Abundance Ion 82.95 (82.65 to 83.65): VV014610.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV014610.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV014610.D (-2840) (-)



#59

Bromoform

Concen: 21.457 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

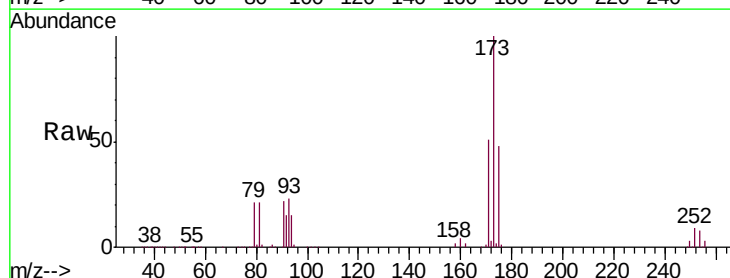
Tgt Ion: 173 Resp: 170938

Ion Ratio Lower Upper

173 100

175 48.4 40.0 60.0

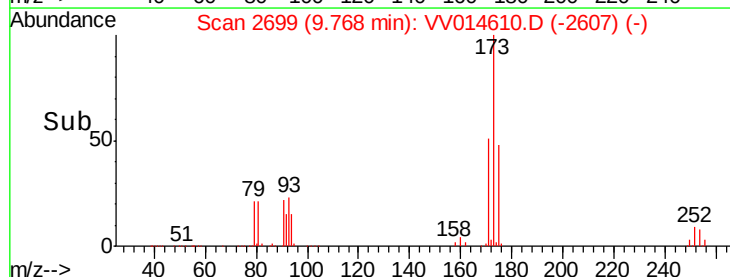
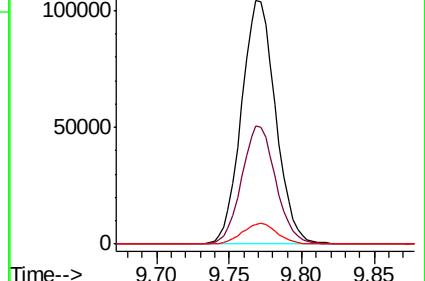
254 8.9 8.2 12.2

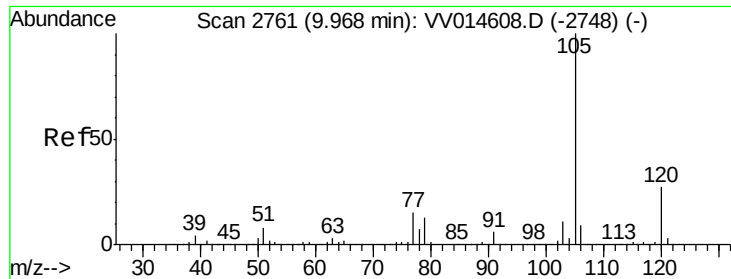


Abundance Ion 172.90 (172.60 to 173.60): VV014610.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014610.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014610.D (-2687) (-)





#60

Isopropylbenzene

Concen: 18.234 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD020705

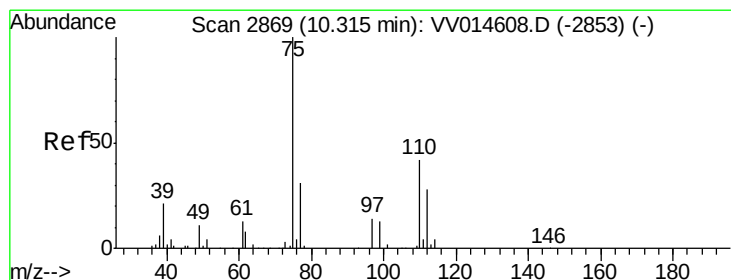
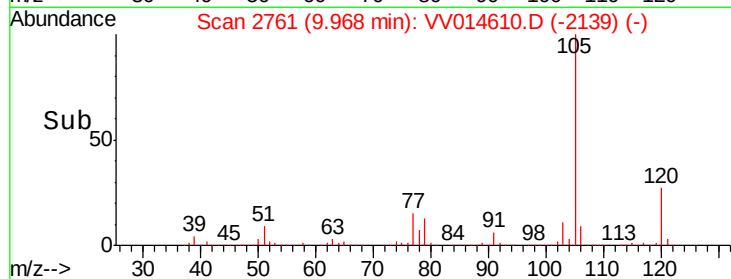
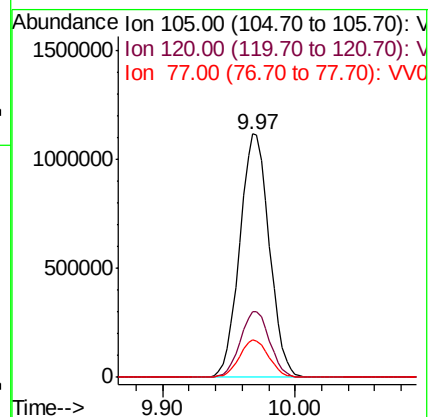
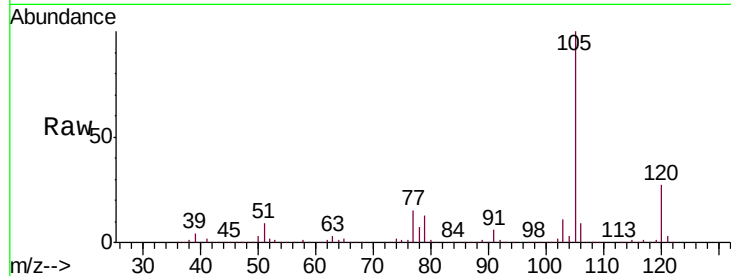
Tgt Ion:105 Resp: 1723933

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

77 15.2 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 17.593 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

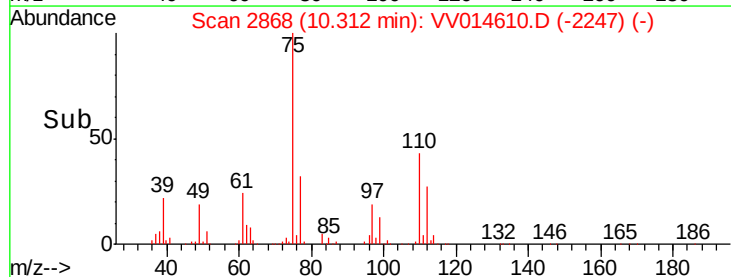
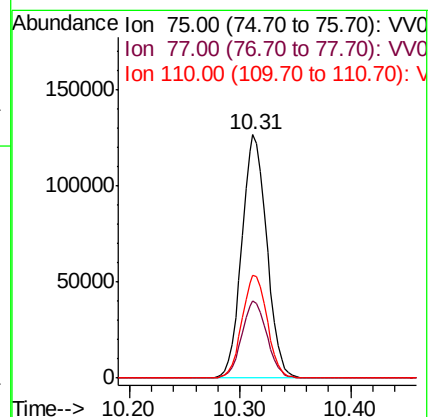
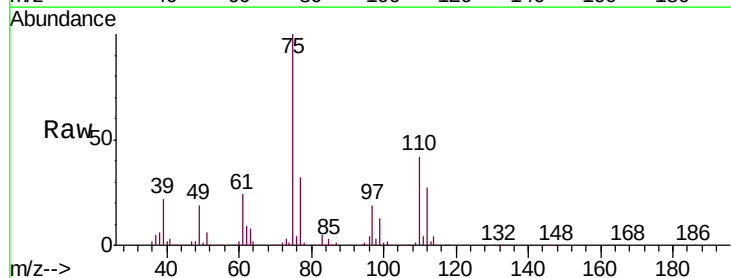
Tgt Ion: 75 Resp: 198339

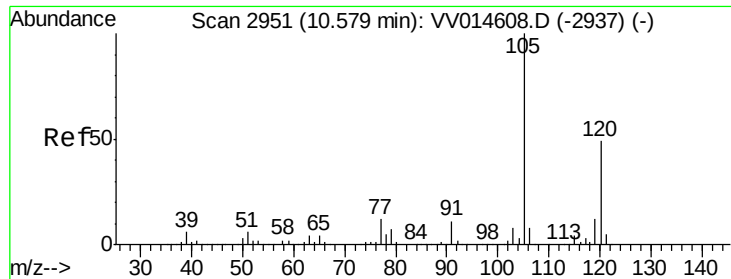
Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5

110 42.6 33.6 50.4

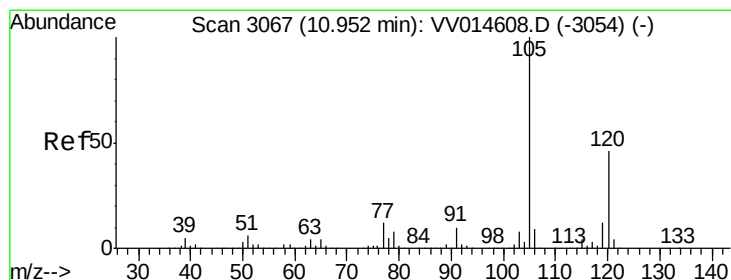
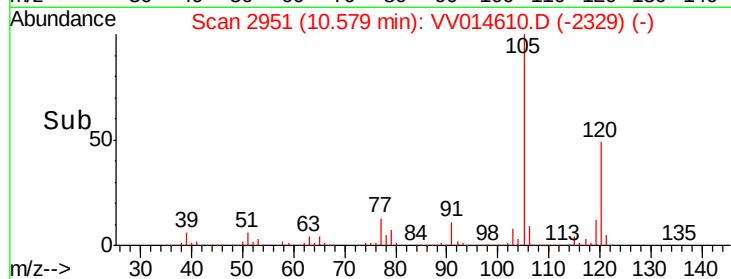
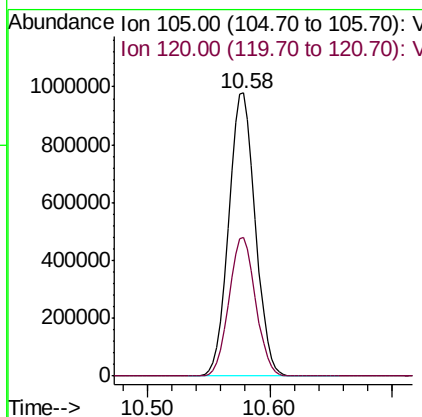
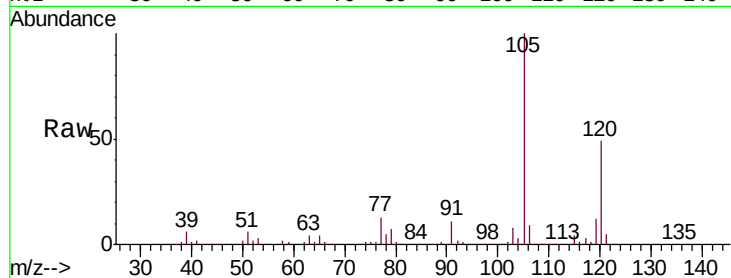




#62
 1,3,5-Trimethylbenzene
 Concen: 18.725 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

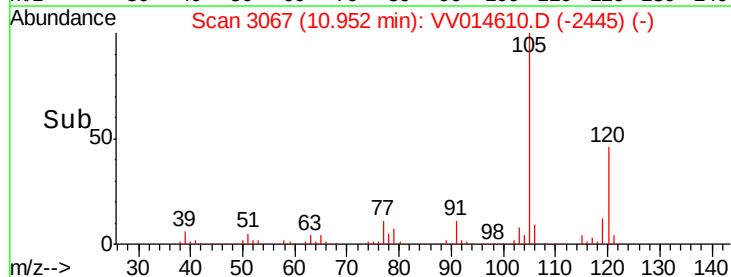
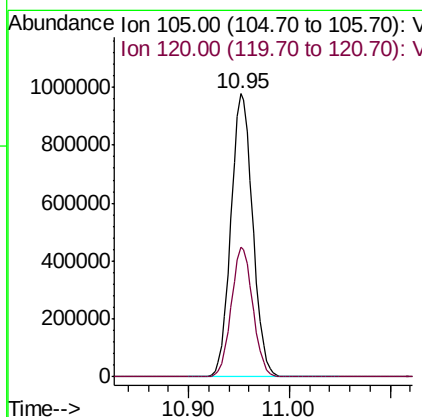
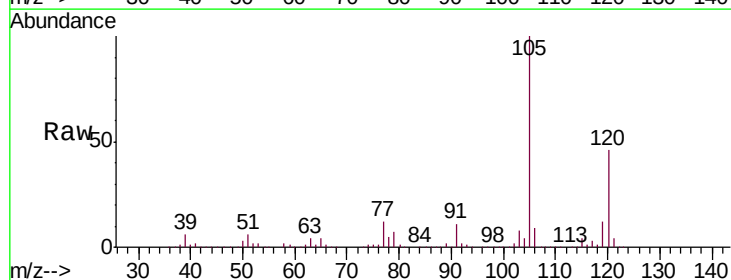
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

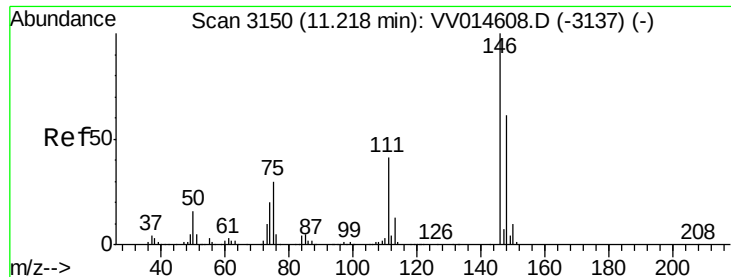
Tgt Ion:105 Resp: 1489783
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 18.620 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion:105 Resp: 1473146
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 19.724 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD020705

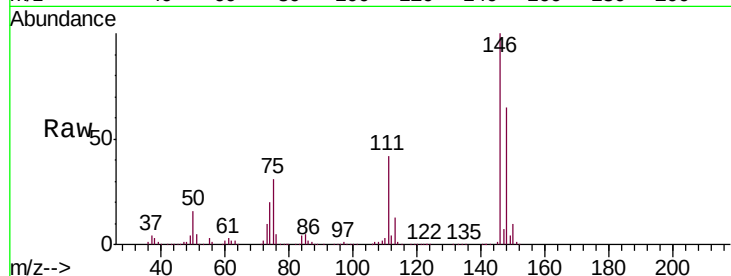
Tgt Ion:146 Resp: 788496

Ion Ratio Lower Upper

146 100

111 41.7 28.4 52.8

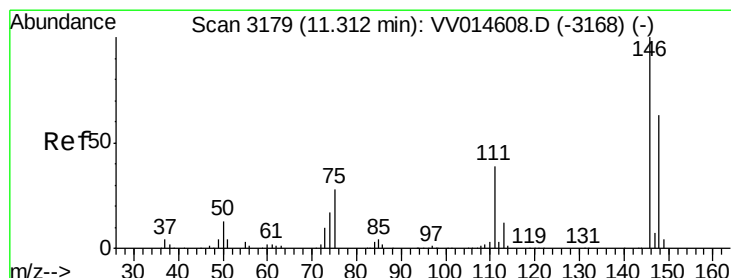
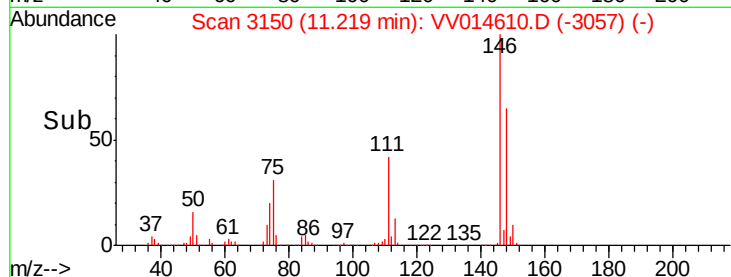
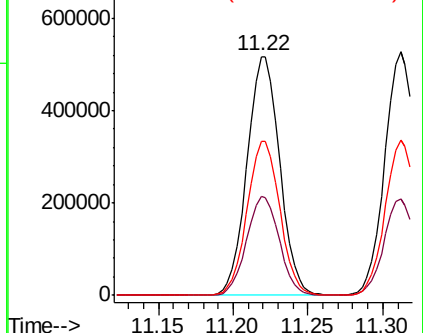
148 64.5 43.0 79.8



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: 19.451 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014610.D

Acq: 19 Feb 2020 16:36

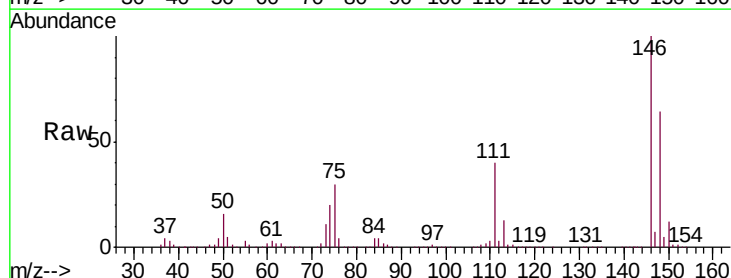
Tgt Ion:146 Resp: 790547

Ion Ratio Lower Upper

146 100

111 39.7 27.6 51.4

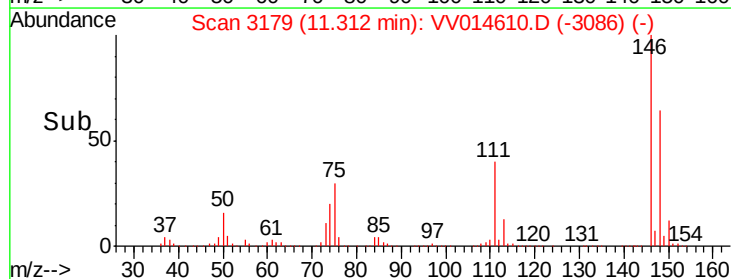
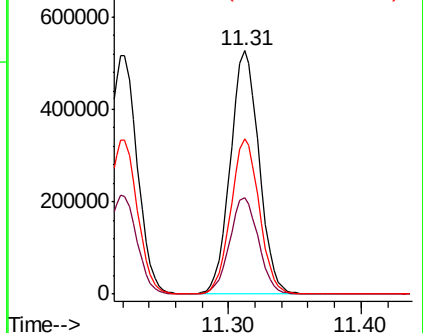
148 63.7 44.3 82.3

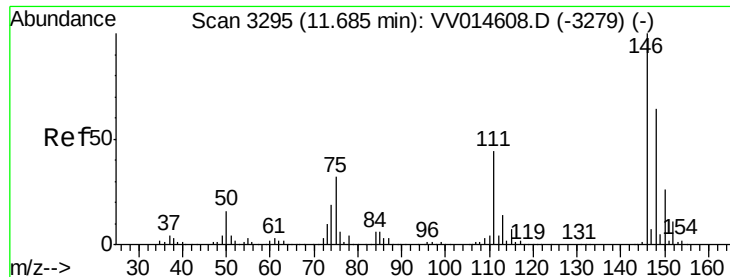


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

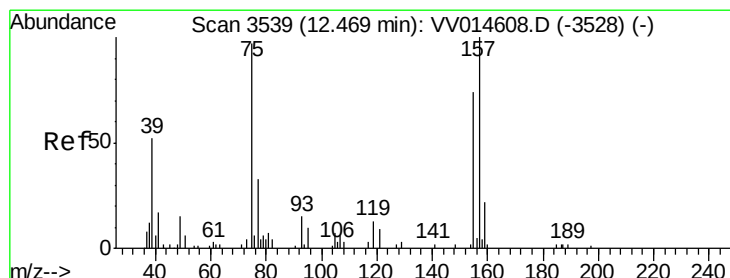
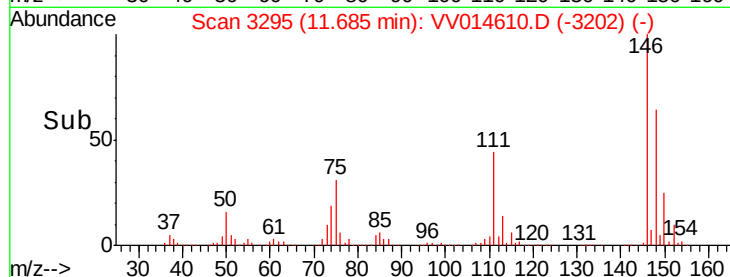
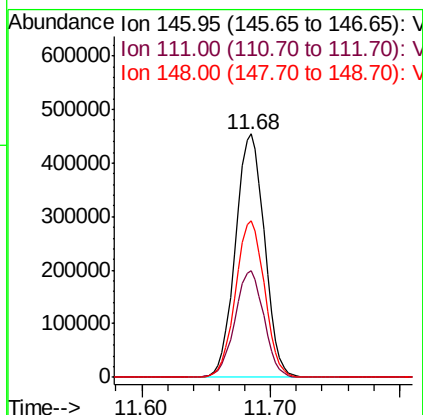
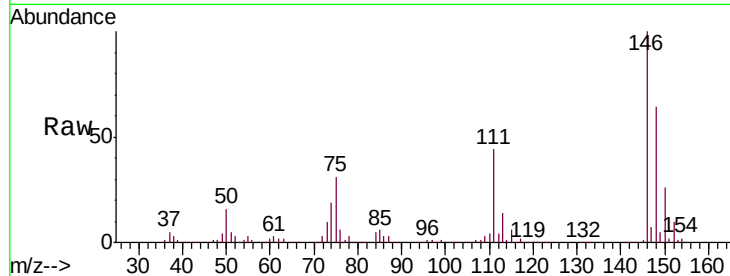




#67
 1,2-Dichlorobenzene
 Concen: 19.825 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

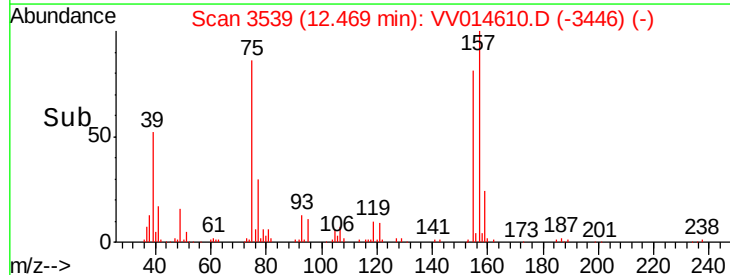
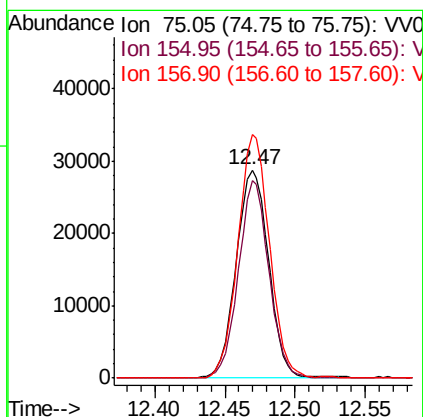
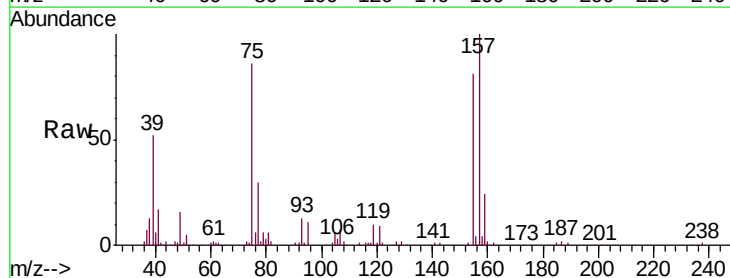
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

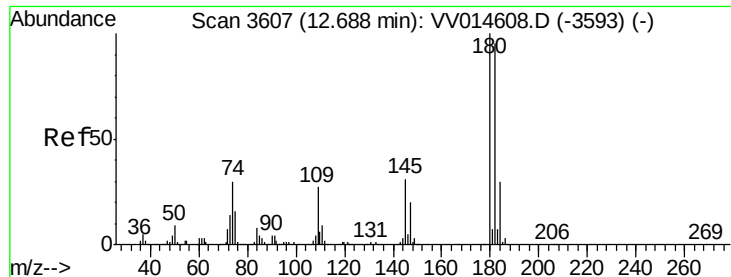
Tgt Ion: 146 Resp: 709837
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.0 52.4
 148 64.5 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 16.396 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion: 75 Resp: 46593
 Ion Ratio Lower Upper
 75 100
 155 95.1 61.4 92.2#
 157 116.9 82.8 124.2

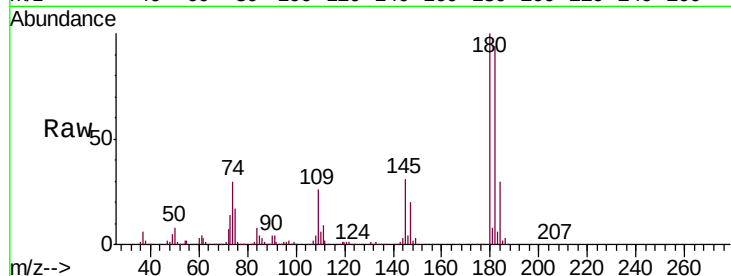




#69
 1,3,5-Trichlorobenzene
 Concen: 20.735 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020705

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.6	114.8
184	29.6	23.9	35.9
145	31.2	25.4	38.2



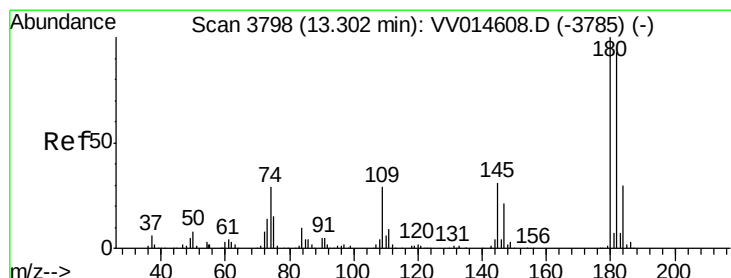
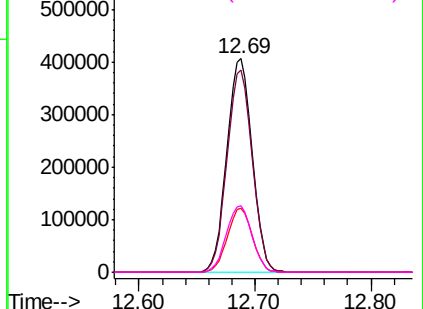
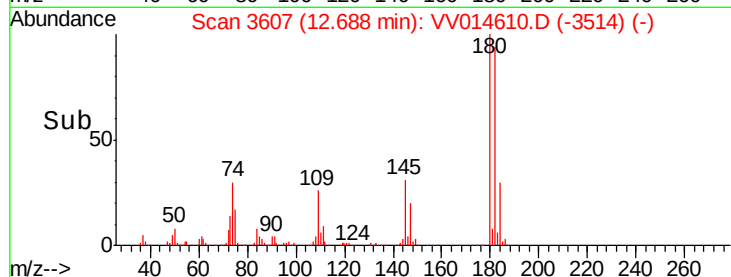
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

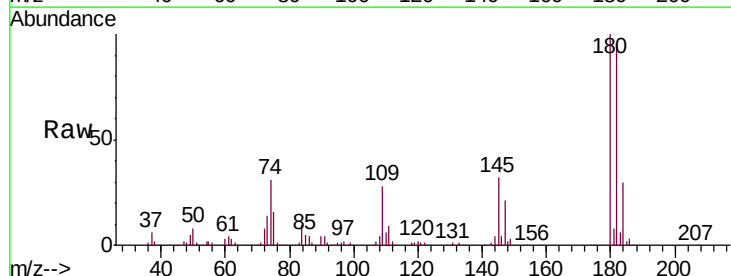
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 21.106 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014610.D
 Acq: 19 Feb 2020 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.7	113.5
145	32.1	25.1	37.7

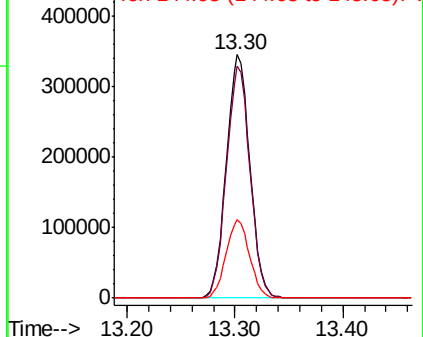
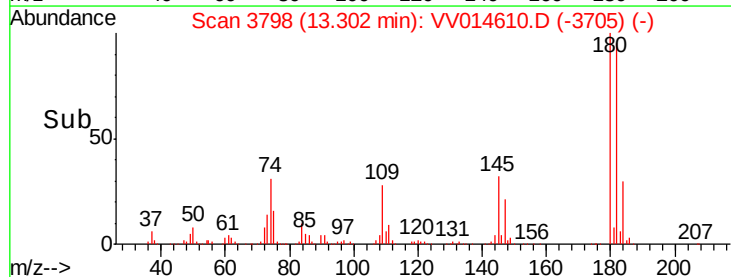


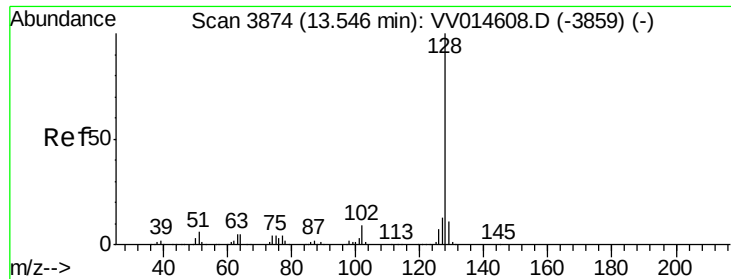
Abundance

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

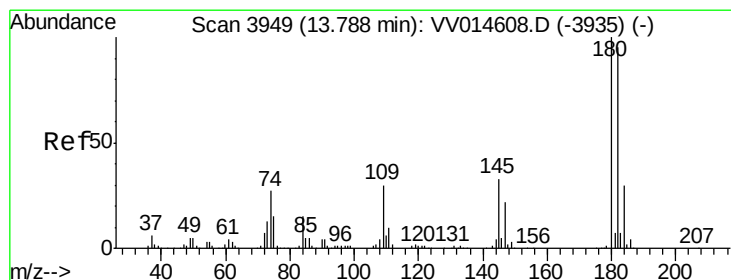
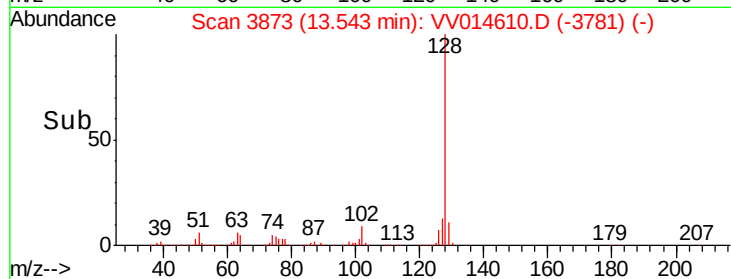
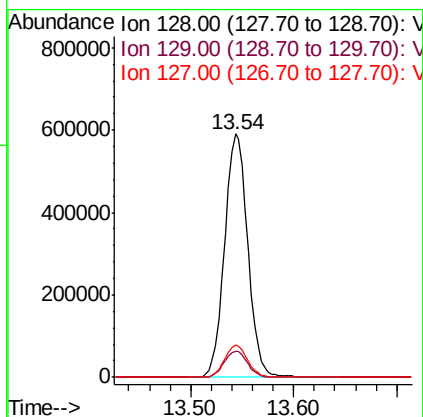
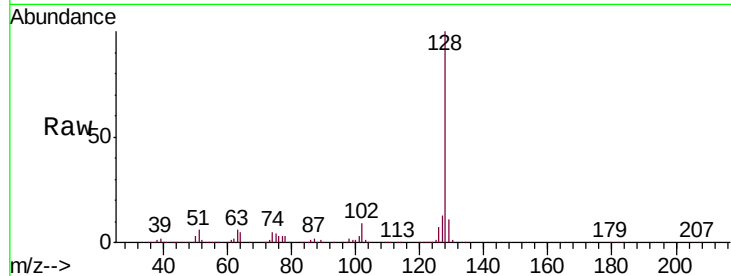




#71
Naphthalene
Concen: 20.487 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD020705

Tgt Ion:128 Resp: 925038
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 21.188 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014610.D
Acq: 19 Feb 2020 16:36

Tgt Ion:180 Resp: 455685
Ion Ratio Lower Upper
180 100
182 94.9 75.0 112.6
145 35.4 26.7 40.1

