

Data File : VV014713.D
Acq On : 28 Feb 2020 16:57
Operator : SY/MD
Sample : VSTD01035
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

Quant Time: Feb 28 22:42:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 28 22:38:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	270123	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	263376	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	137570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	226819	13.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	172363	14.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	372533	14.56	ug/L	0.00
20) 2-Butanone-d5	3.97	46	494535	142.74	ug/L	0.00
24) Chloroform-d	4.40	84	406790	11.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	201121	12.76	ug/L	0.00
32) Benzene-d6	5.10	84	811643	10.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	252696	11.03	ug/L	0.00
41) Toluene-d8	7.35	98	753858	10.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	101721	10.89	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	415889	120.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	176436	11.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	267334	10.82	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	282276	12.076	ug/L	98
3) Chloromethane	1.25	50	256785	13.487	ug/L	100
5) Vinyl chloride	1.32	62	240519	12.898	ug/L	98
6) Bromomethane	1.54	94	135774	18.284	ug/L	98
8) Chloroethane	1.60	64	131980	13.816	ug/L	100
9) Trichlorofluoromethane	1.77	101	321807	13.187	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	169883	12.874	ug/L	98
12) 1,1-Dichloroethene	2.14	96	163988	13.381	ug/L	95
13) Acetone	2.24	43	282672	126.290	ug/L	# 47
14) Carbon disulfide	2.32	76	552870	9.878	ug/L	99
15) Methyl Acetate	2.48	43	76766	14.021	ug/L	# 90
16) Methylene chloride	2.53	84	190570	8.875	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	446015	10.823	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	194821	10.111	ug/L	99
19) 1,1-Dichloroethane	3.23	63	384591	10.808	ug/L	99
21) 2-Butanone	4.05	43	510375	132.395	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	209710	10.101	ug/L	95
23) Bromochloromethane	4.30	128	85455	10.856	ug/L	92
25) Chloroform	4.42	83	370808	10.441	ug/L	100
27) 1,2-Dichloroethane	5.18	62	222611	11.301	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	327634	10.272	ug/L	100
30) Cyclohexane	4.72	56	367407	10.020	ug/L	99
31) Carbon tetrachloride	4.87	117	284829	10.434	ug/L	100
33) Benzene	5.14	78	821502	9.845	ug/L	100
34) Trichloroethene	5.95	95	211329	9.701	ug/L	95
35) Methylcyclohexane	6.17	83	362923	9.629	ug/L	98
37) 1,2-Dichloropropane	6.22	63	206280	9.897	ug/L	100
38) Bromodichloromethane	6.55	83	254605	10.050	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	318147	10.280	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	1271484	108.920	ug/L	100

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42) Toluene	7.43	91	881531	9.900	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	242956	10.268	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	133861	9.968	ug/L	98
47) Tetrachloroethene	8.01	164	171761	10.666	ug/L	97
48) 2-Hexanone	8.18	43	926479	113.345	ug/L	100
49) Dibromochloromethane	8.29	129	154616	9.717	ug/L	99
50) 1,2-Dibromoethane	8.39	107	125285	10.038	ug/L	96
51) Chlorobenzene	8.92	112	550399	9.956	ug/L	99
52) Ethylbenzene	9.05	91	1010455	10.109	ug/L	100
53) m,p-xylene	9.18	106	372627	10.060	ug/L	99
54) o-xylene	9.58	106	360064	9.948	ug/L	97
55) Styrene	9.60	104	620403	10.357	ug/L	98
56) Isopropylbenzene	9.97	105	993426	10.393	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	169452	10.698	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	120455	10.352	ug/L	97
61) Bromoform	9.77	173	80842	9.738	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	449088	9.900	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	450356	9.962	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	410618	10.029	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	25609	8.148	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	366567	10.682	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	316716	11.013	ug/L	98
69) Naphthalene	13.54	128	522705	10.461	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	280090	11.159	ug/L	100

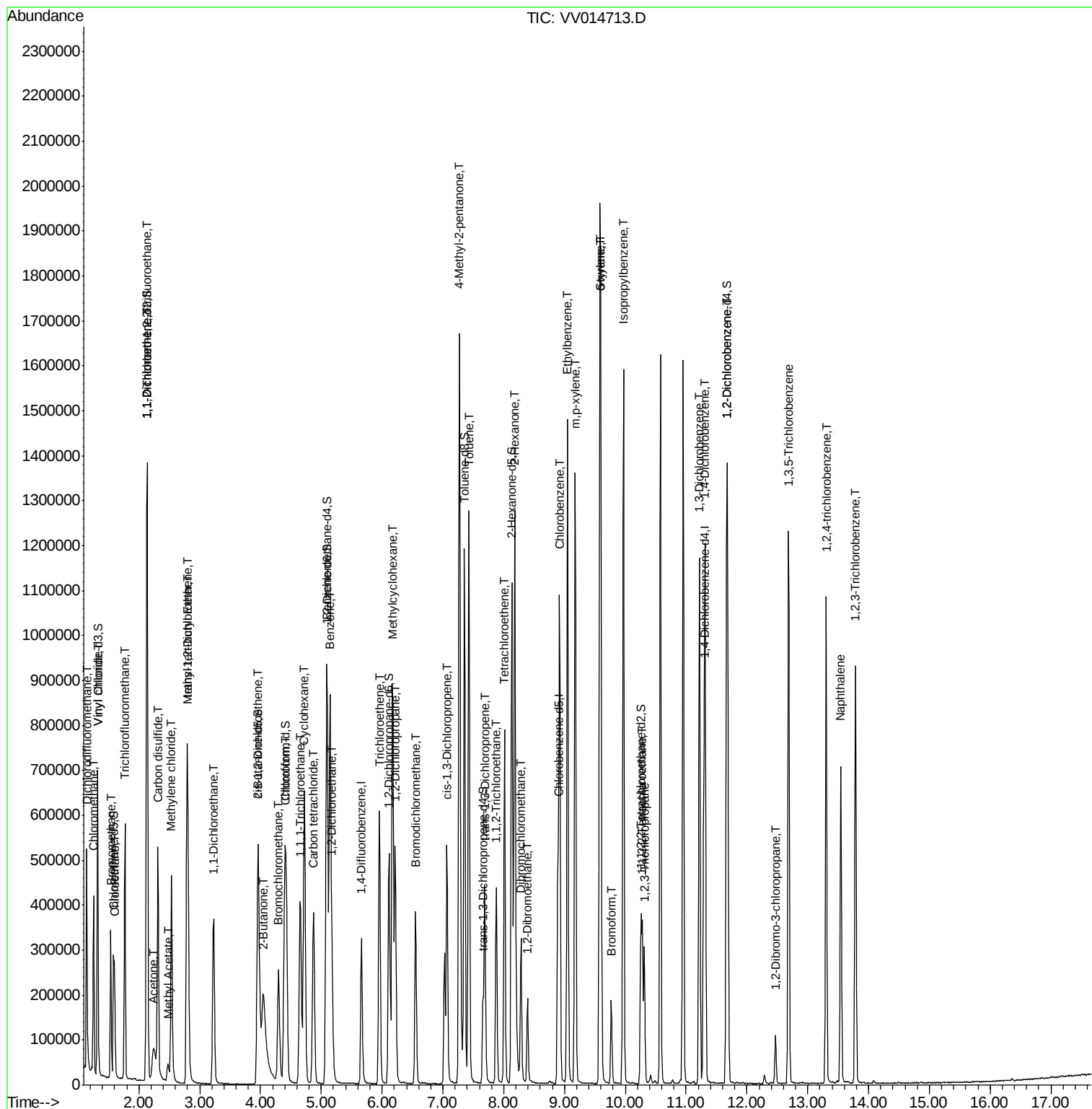
(#) = qualifier out of range (m) = manual integration (+) = signals summed

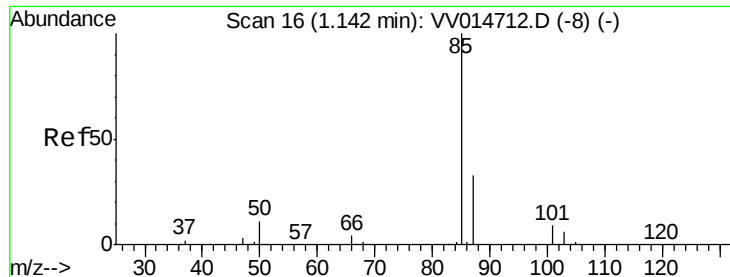
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#2

Dichlorodifluoromethane

Concen: 12.076 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

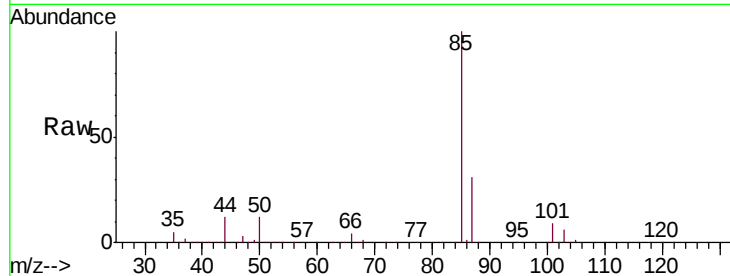
VSTD01035

Tgt Ion: 85 Resp: 282276

Ion Ratio Lower Upper

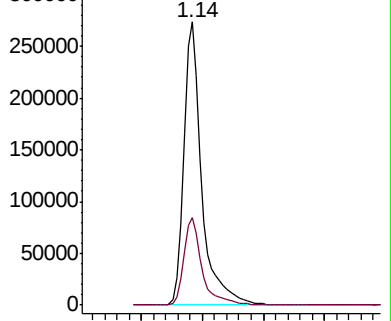
85 100

87 31.7 26.1 39.1

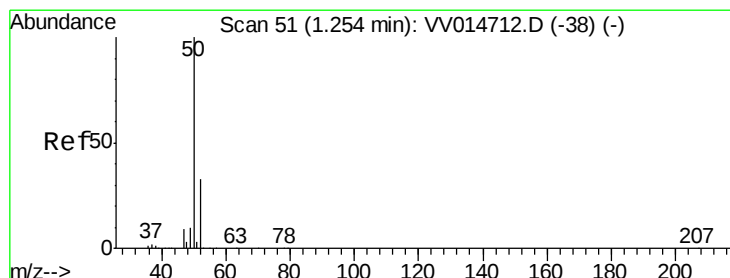
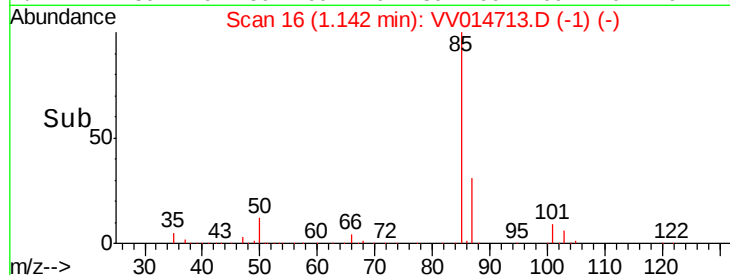


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 13.487 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014713.D

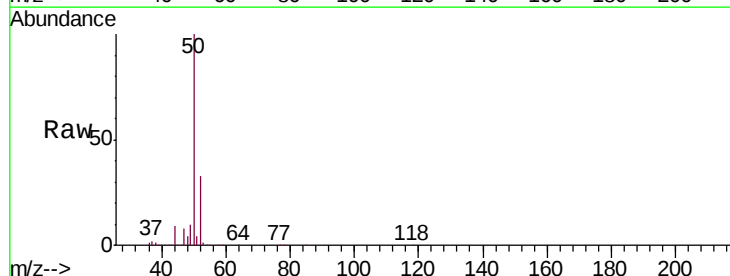
Acq: 28 Feb 2020 16:57

Tgt Ion: 50 Resp: 256785

Ion Ratio Lower Upper

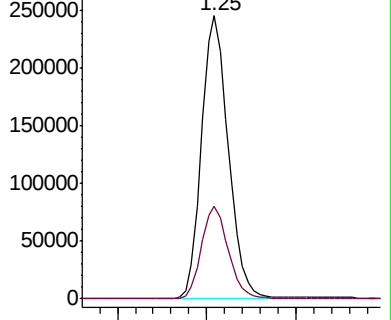
50 100

52 32.6 22.9 42.5

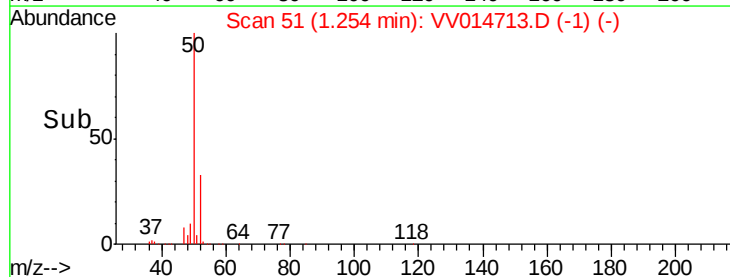


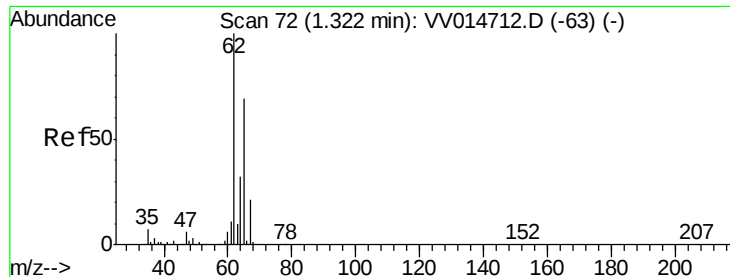
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 12.898 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

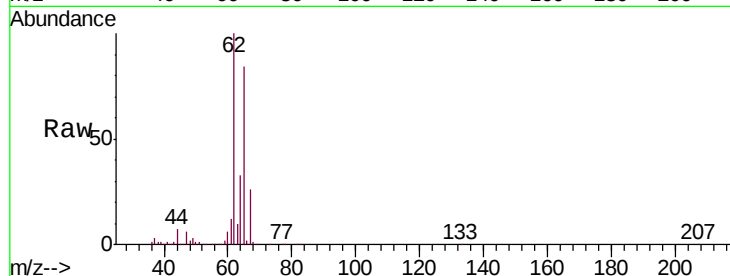
VSTD01035

Tgt Ion: 62 Resp: 240519

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

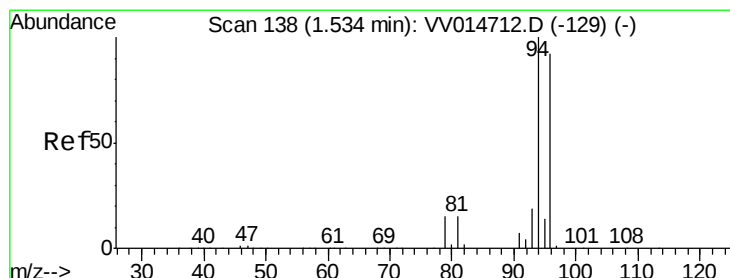
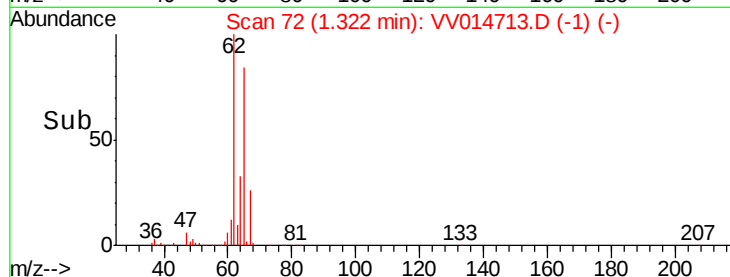
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 18.284 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014713.D

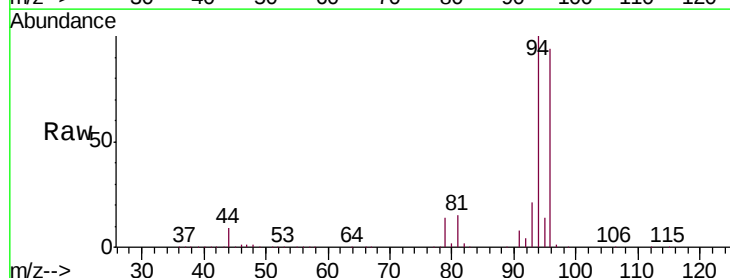
Acq: 28 Feb 2020 16:57

Tgt Ion: 94 Resp: 135774

Ion Ratio Lower Upper

94 100

96 93.5 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

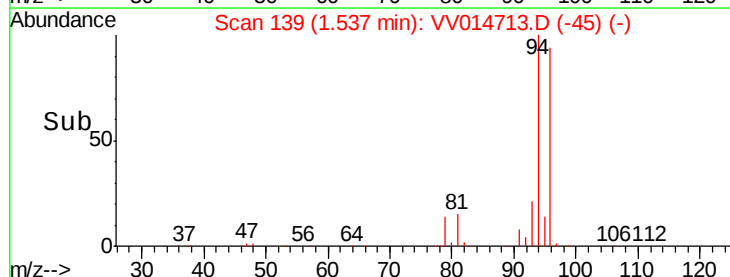
1.54

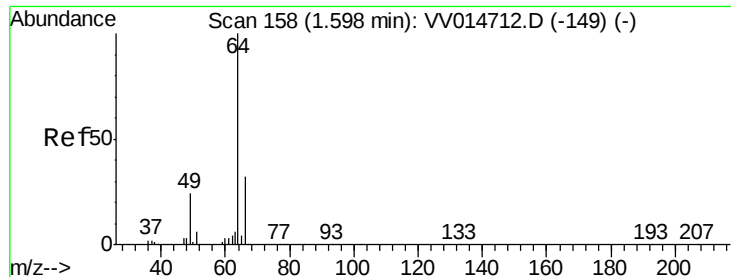
100000

50000

0

Time--> 1.50 1.55 1.60 1.65

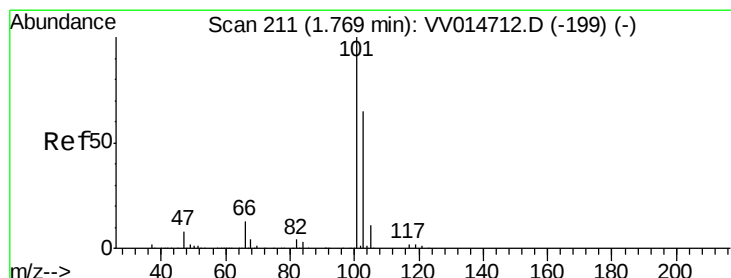
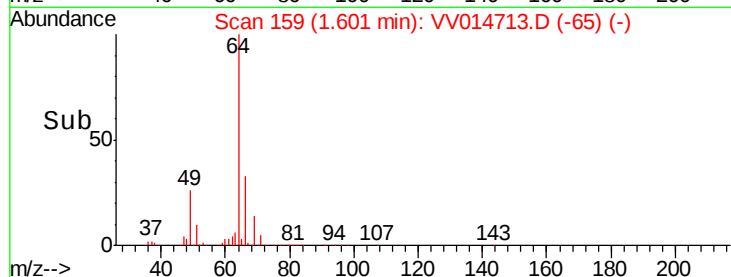
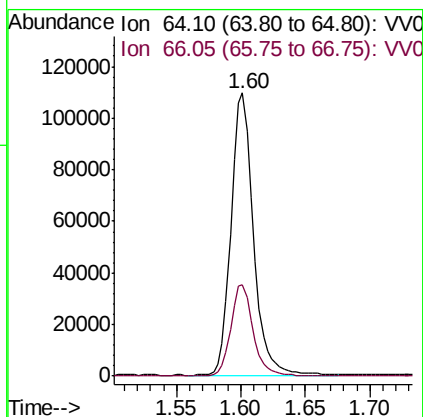
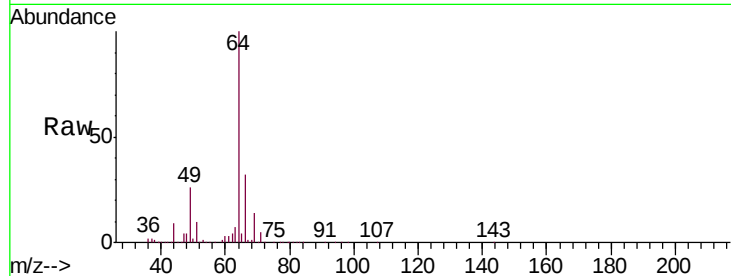




#8
Chloroethane
Concen: 13.816 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

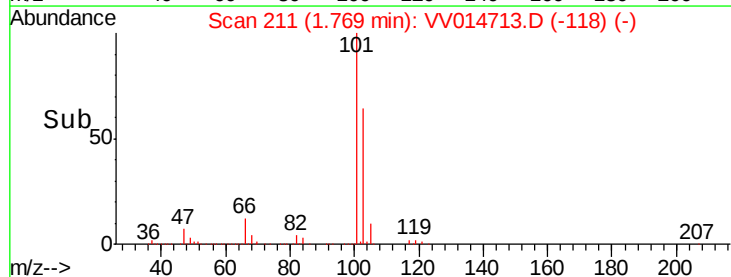
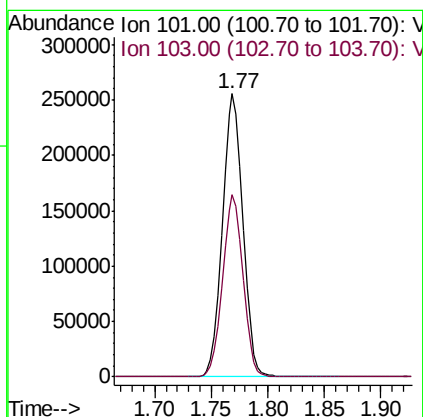
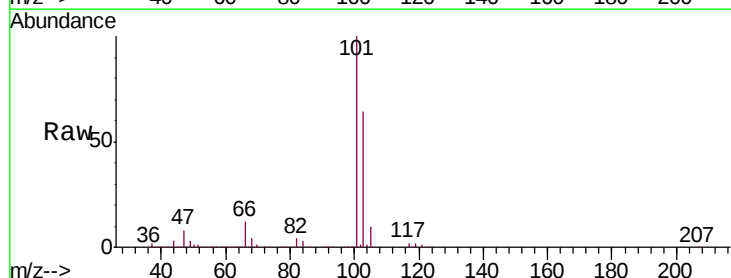
Instrument :
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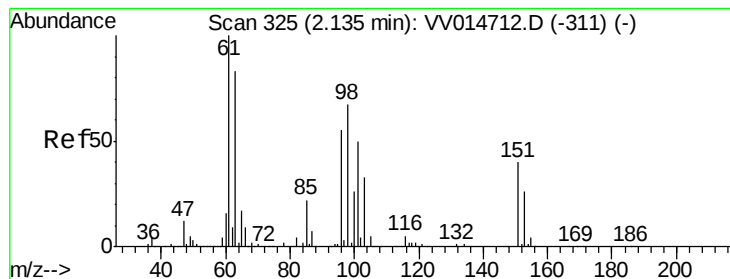
Tgt Ion: 64 Resp: 131980
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 13.187 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion: 101 Resp: 321807
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6





#10

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

Concen: 12.874 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

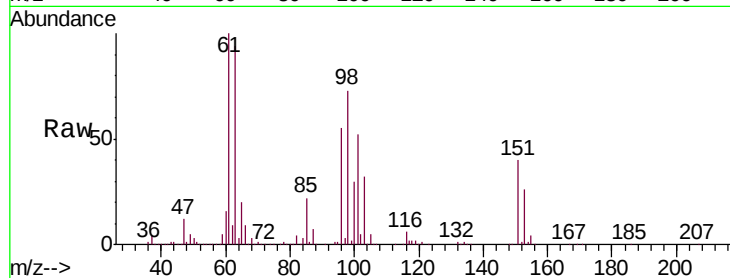
Tgt Ion: 101 Resp: 169883

Ion Ratio Lower Upper

101 100

85 43.0 35.3 52.9

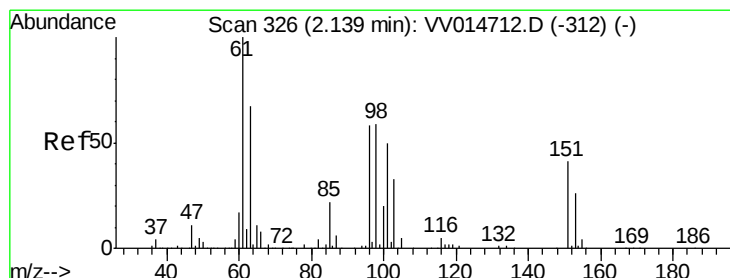
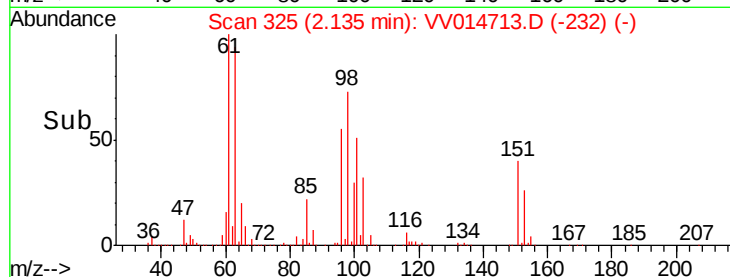
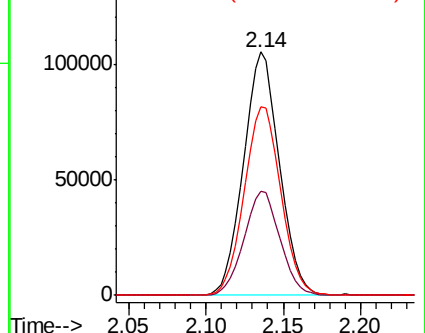
151 79.3 65.3 97.9



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: 13.381 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

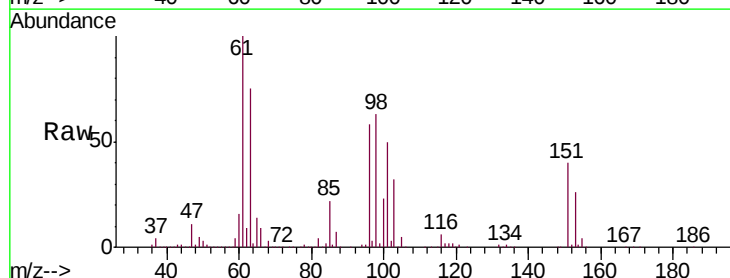
Tgt Ion: 96 Resp: 163988

Ion Ratio Lower Upper

96 100

61 172.7 121.3 225.3

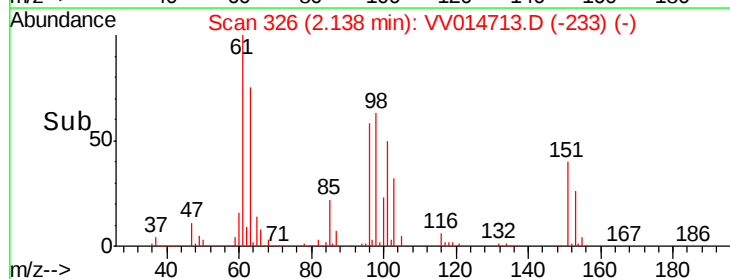
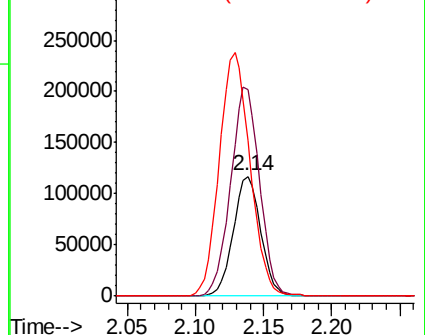
63 129.5 81.6 151.6

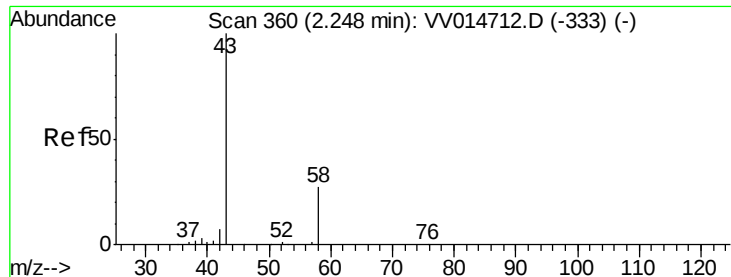


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 126.290 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

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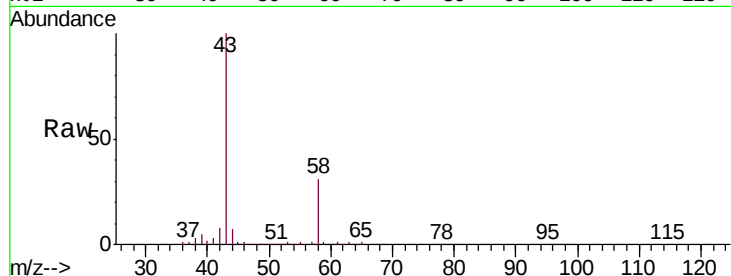
VSTD01035

Tgt Ion: 43 Resp: 282672

Ion Ratio Lower Upper

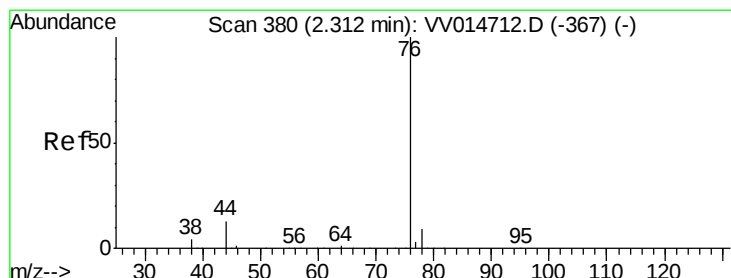
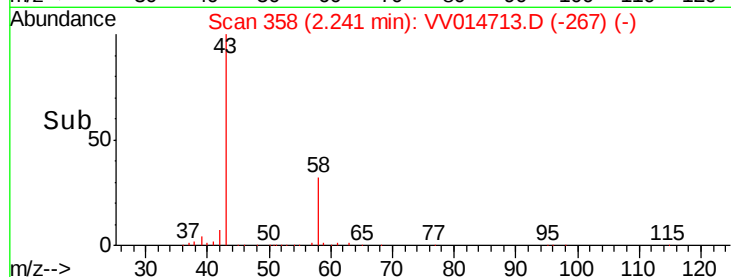
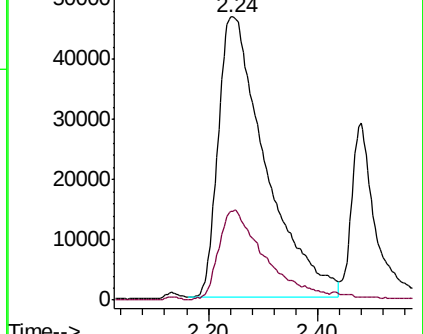
43 100

58 29.6 0.0 20.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 9.878 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014713.D

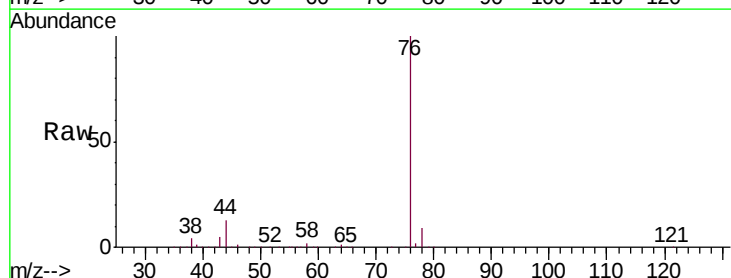
Acq: 28 Feb 2020 16:57

Tgt Ion: 76 Resp: 552870

Ion Ratio Lower Upper

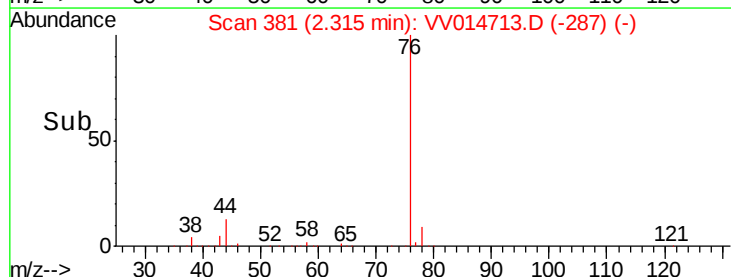
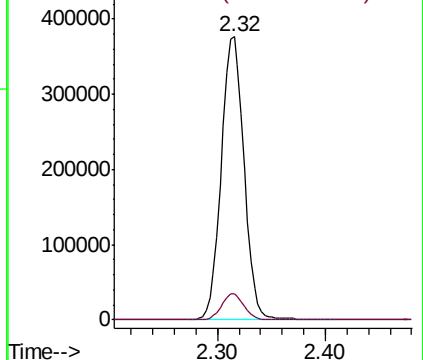
76 100

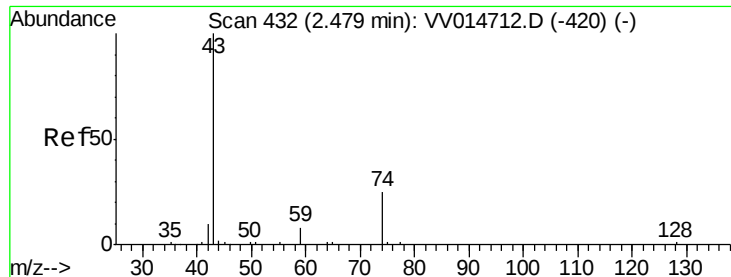
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 14.021 ug/L

RT: 2.48 min Scan# 432

Delta R.T. -0.00 min

Lab File: VV014713.D

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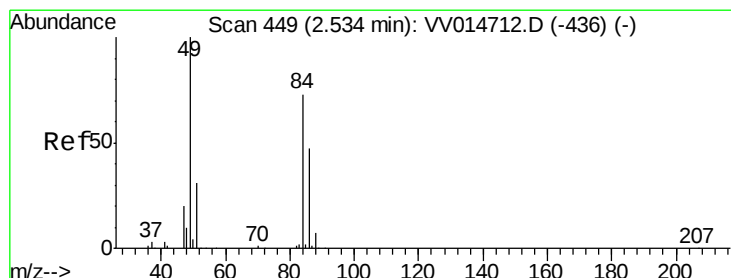
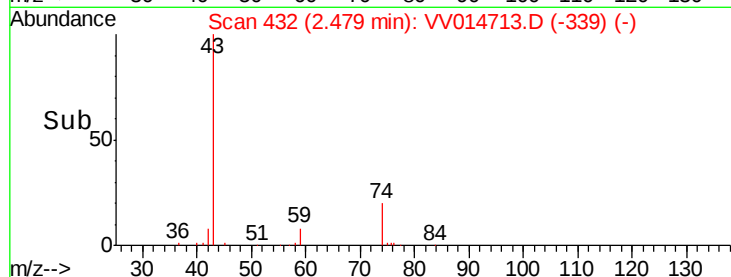
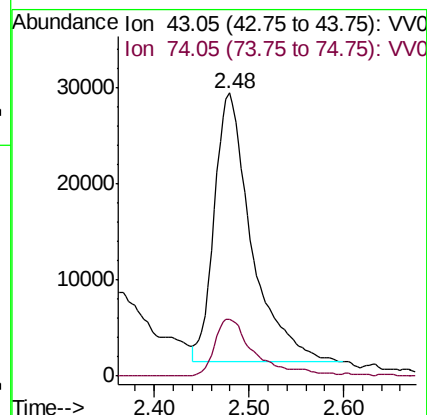
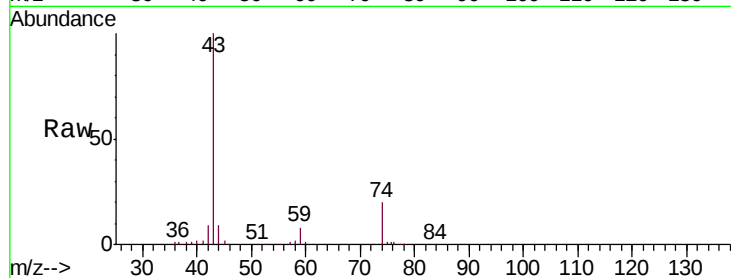
VSTD01035

Tgt Ion: 43 Resp: 76766

Ion Ratio Lower Upper

43 100

74 23.0 14.8 22.2#



#16

Methylene chloride

Concen: 8.875 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

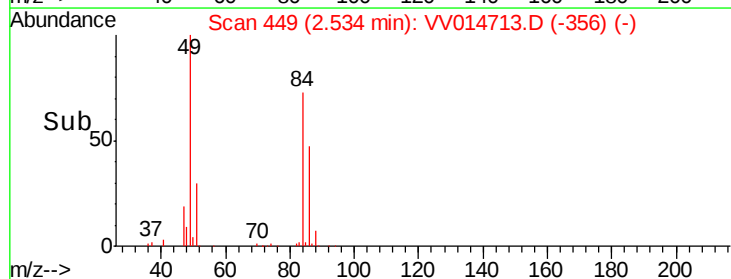
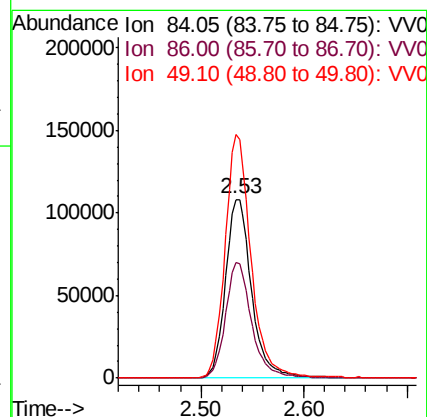
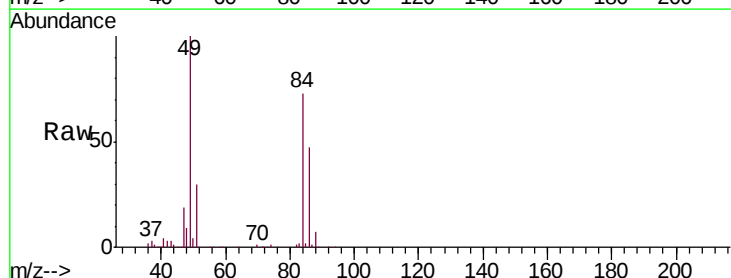
Tgt Ion: 84 Resp: 190570

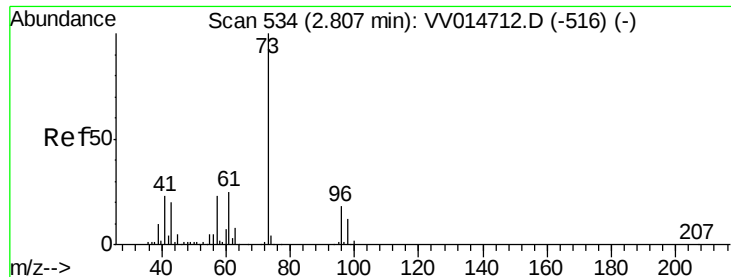
Ion Ratio Lower Upper

84 100

86 64.7 44.9 83.5

49 136.4 95.6 177.6





#17

Methyl tert-butyl Ether

Concen: 10.823 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

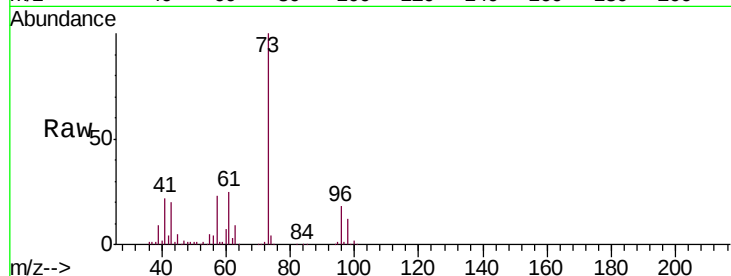
Tgt Ion: 73 Resp: 446015

Ion Ratio Lower Upper

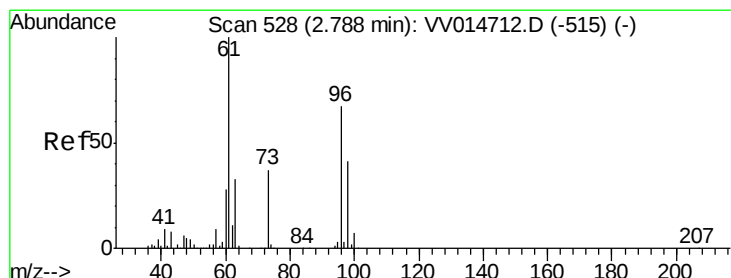
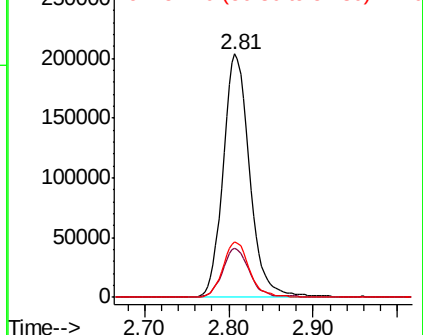
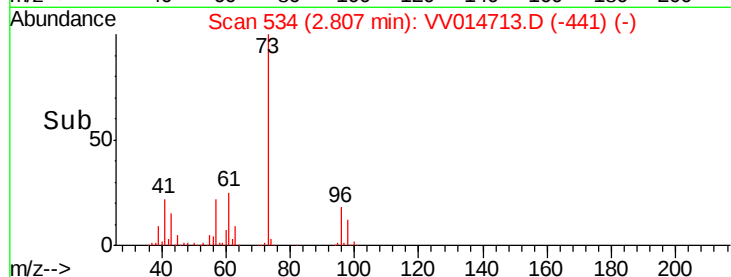
73 100

43 20.2 16.0 24.0

57 22.7 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV014713.D (-441) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.111 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

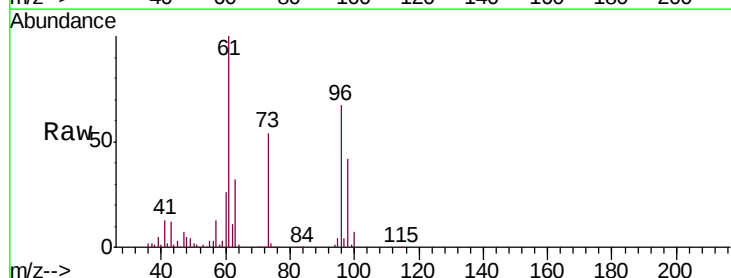
Tgt Ion: 96 Resp: 194821

Ion Ratio Lower Upper

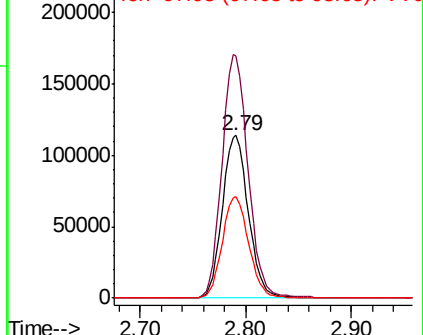
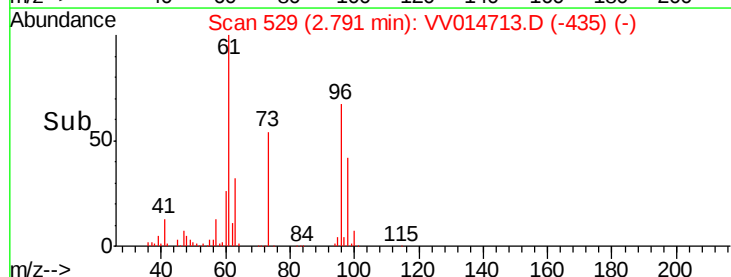
96 100

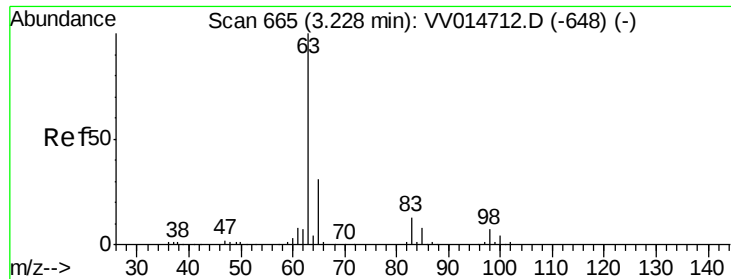
61 148.8 104.9 194.9

98 62.2 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV014713.D (-435) (-)





#19

1,1-Dichloroethane

Concen: 10.808 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

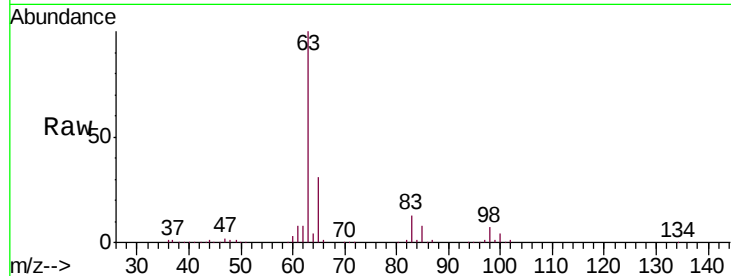
Tgt Ion: 63 Resp: 384591

Ion Ratio Lower Upper

63 100

65 30.6 21.9 40.7

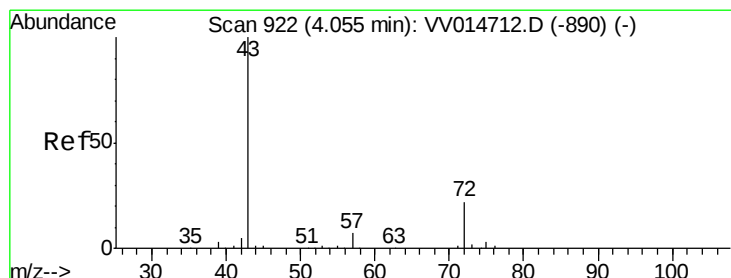
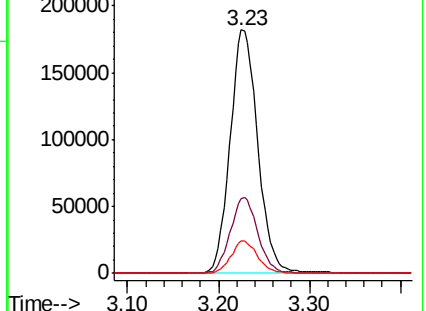
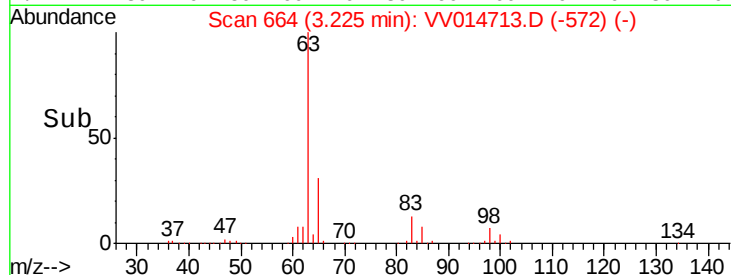
83 13.3 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VV014713.D (-572) (-)

Ion 65.10 (64.80 to 65.80): VV014713.D (-572) (-)

Ion 83.05 (82.75 to 83.75): VV014713.D (-572) (-)



#21

2-Butanone

Concen: 132.395 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.01 min

Lab File: VV014713.D

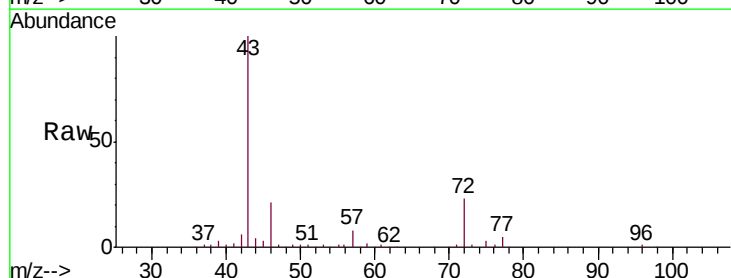
Acq: 28 Feb 2020 16:57

Tgt Ion: 43 Resp: 510375

Ion Ratio Lower Upper

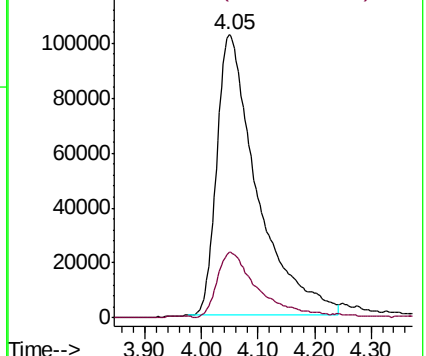
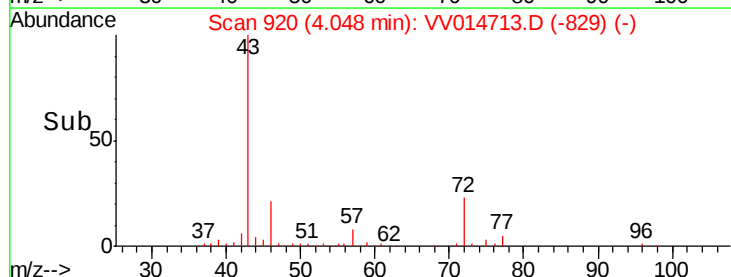
43 100

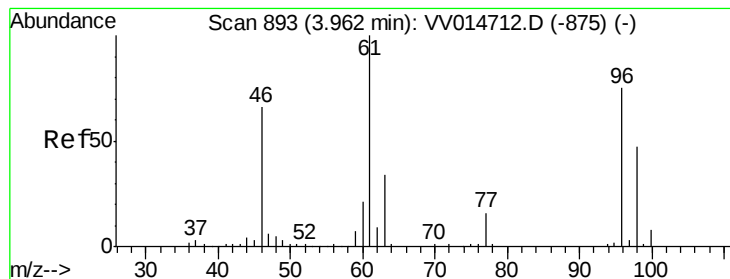
72 22.5 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV014713.D (-829) (-)

Ion 72.00 (71.70 to 72.70): VV014713.D (-829) (-)



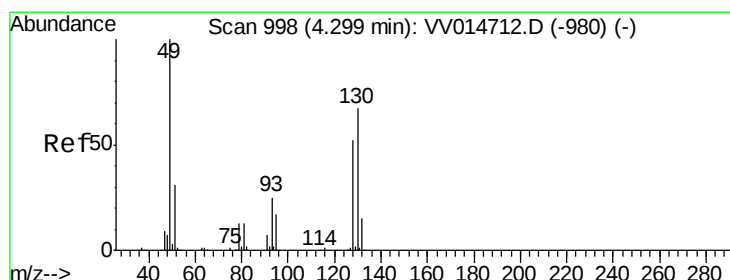
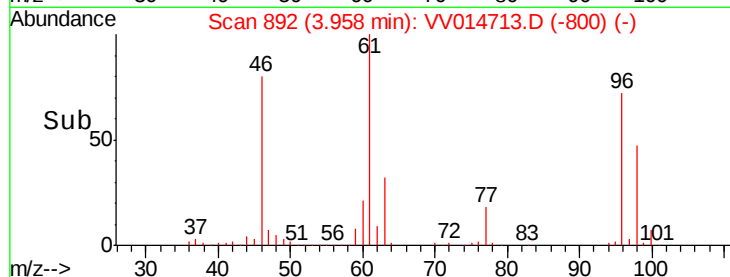
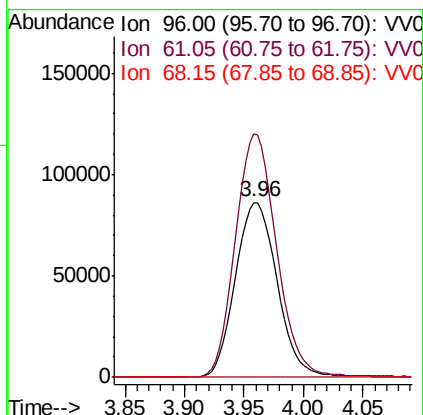
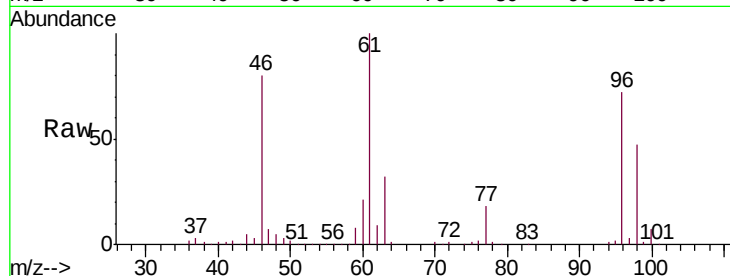


#22

cis-1,2-Dichloroethene
 Concen: 10.101 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

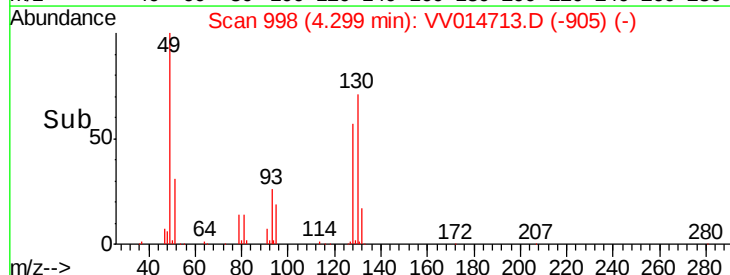
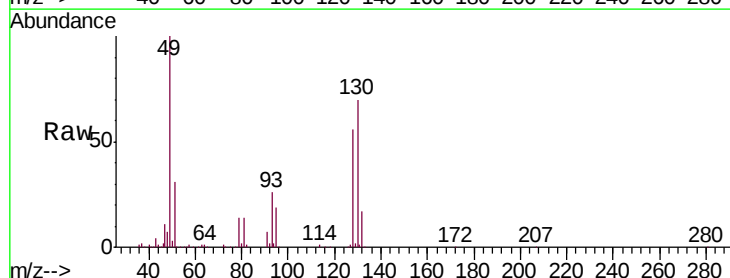
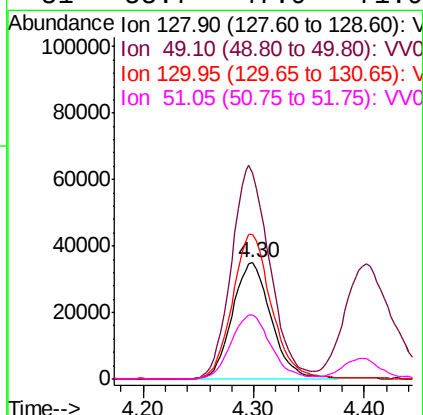
Tgt Ion: 96 Resp: 209710
 Ion Ratio Lower Upper
 96 100
 61 139.3 93.3 173.3
 68 0.0 0.0 0.0

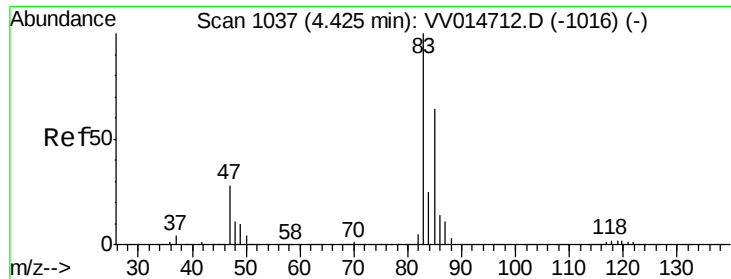


#23

Bromochloromethane
 Concen: 10.856 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Tgt Ion: 128 Resp: 85455
 Ion Ratio Lower Upper
 128 100
 49 177.6 136.2 252.9
 130 125.0 90.3 167.7
 51 55.7 47.9 71.9

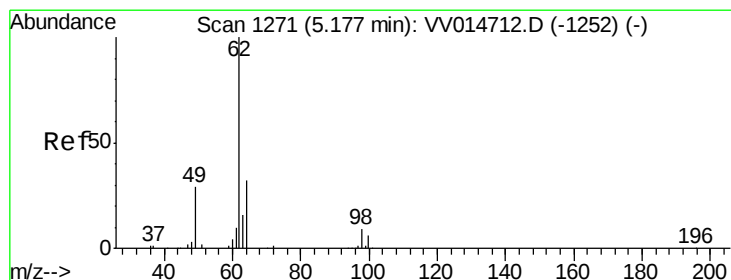
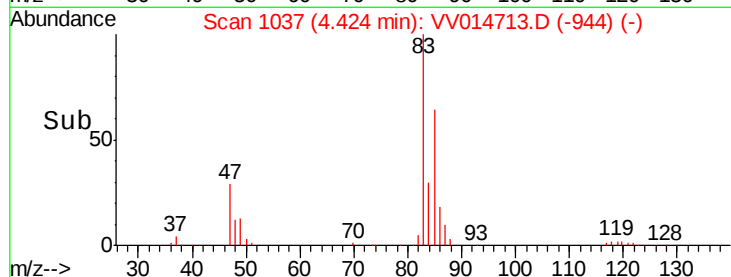
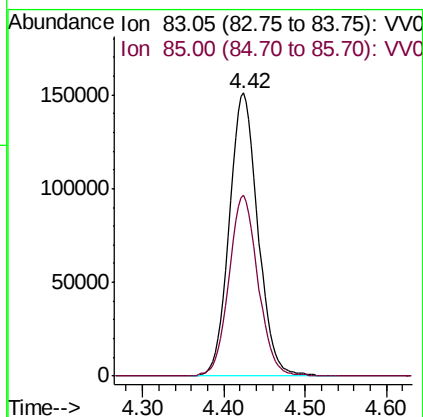
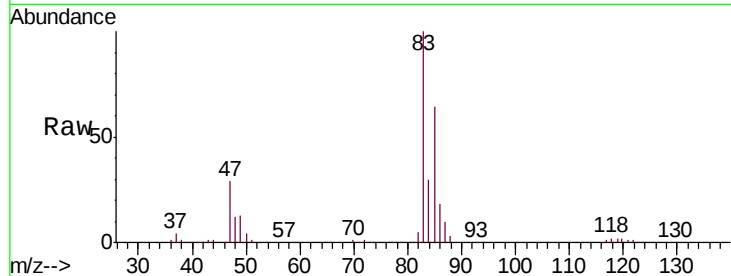




#25
Chloroform
Concen: 10.441 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

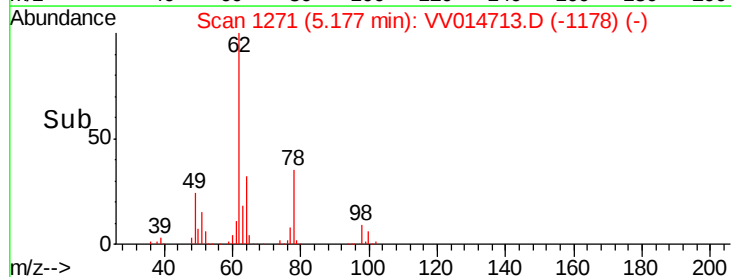
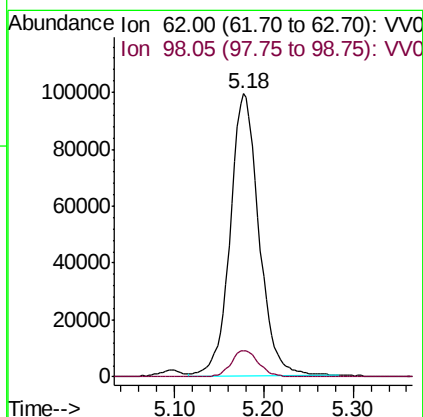
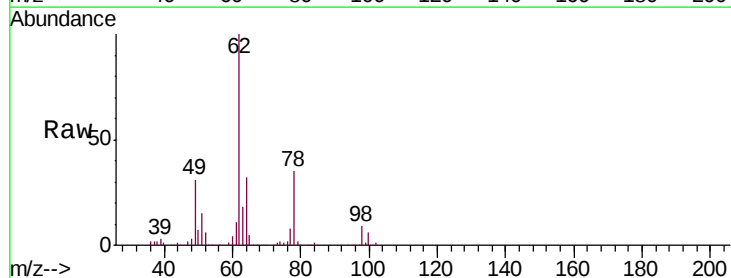
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

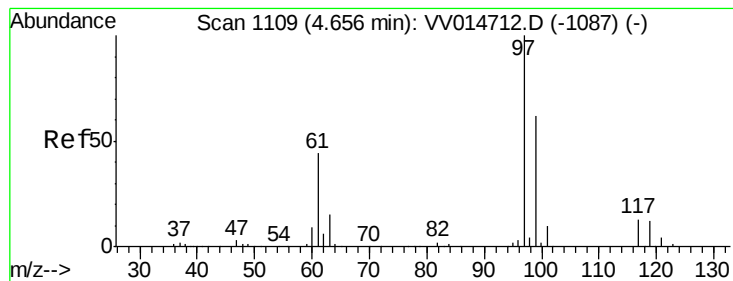
Tgt Ion: 83 Resp: 370808
Ion Ratio Lower Upper
83 100
85 63.8 44.7 83.1



#27
1,2-Dichloroethane
Concen: 11.301 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion: 62 Resp: 222611
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 10.272 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

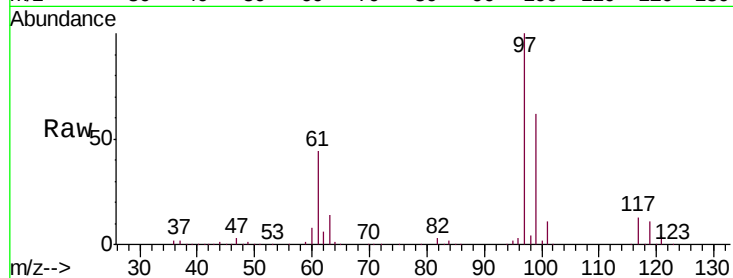
Tgt Ion: 97 Resp: 327634

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

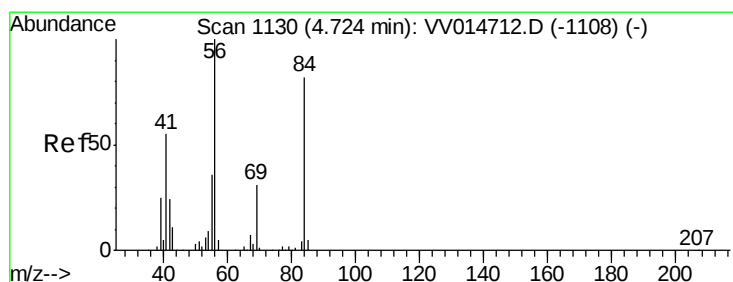
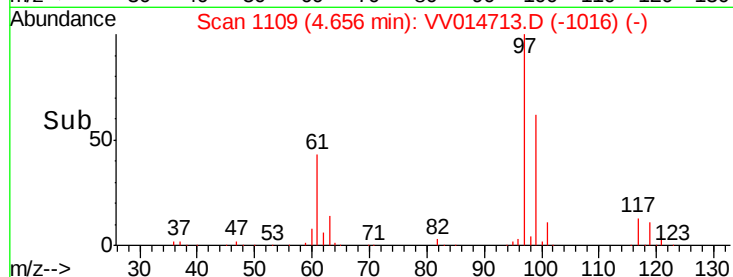
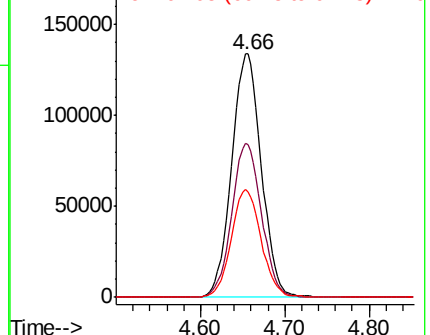
61 44.7 36.3 54.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 10.020 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

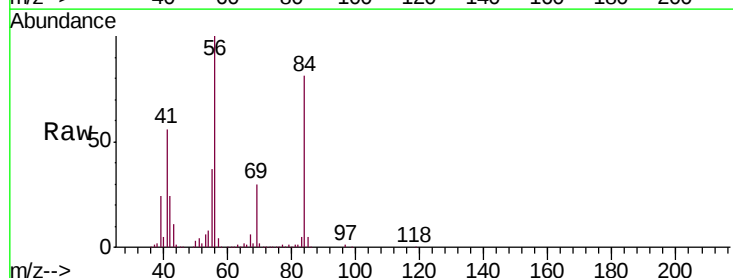
Tgt Ion: 56 Resp: 367407

Ion Ratio Lower Upper

56 100

69 29.7 23.4 35.2

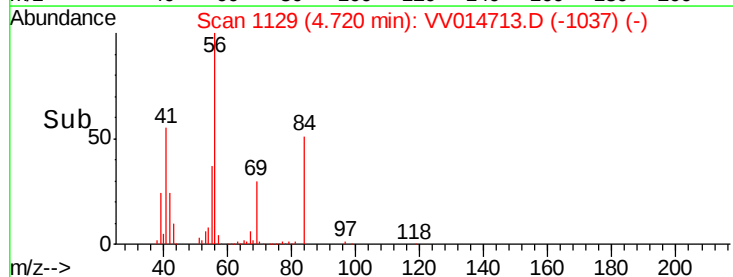
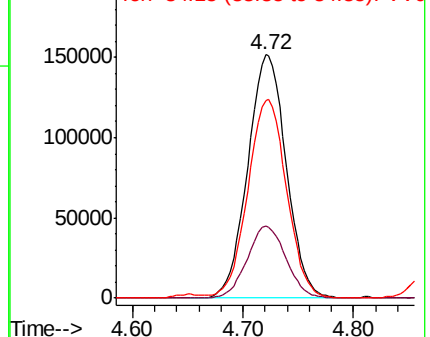
84 82.5 66.3 99.5

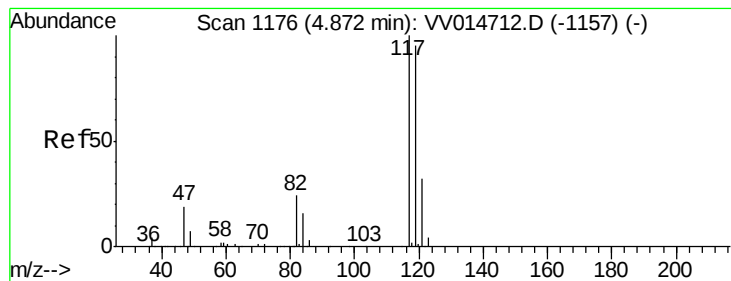


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 10.434 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

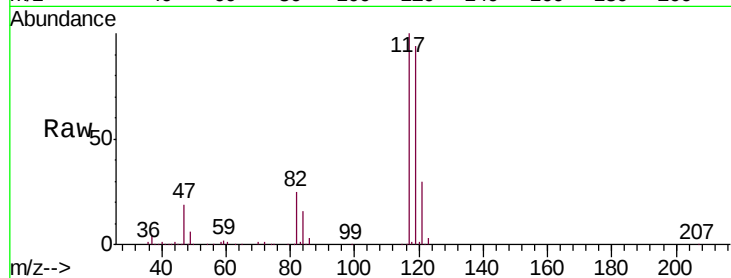
VSTD01035

Tgt Ion:117 Resp: 284829

Ion Ratio Lower Upper

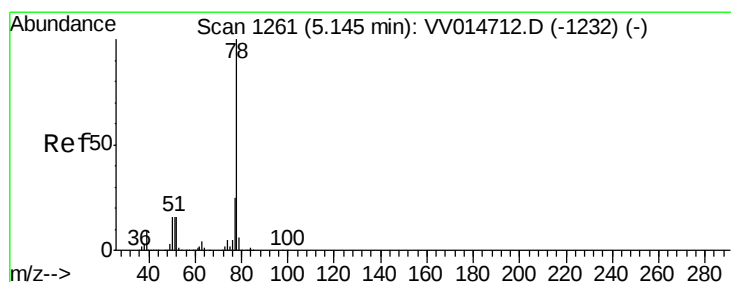
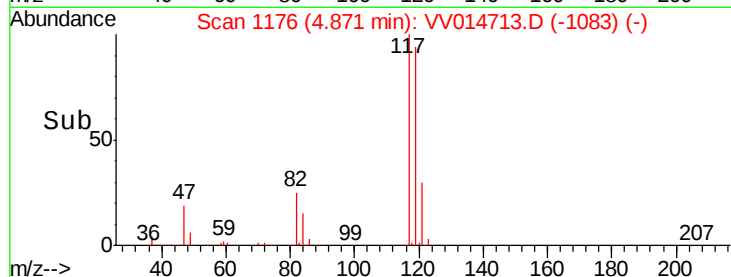
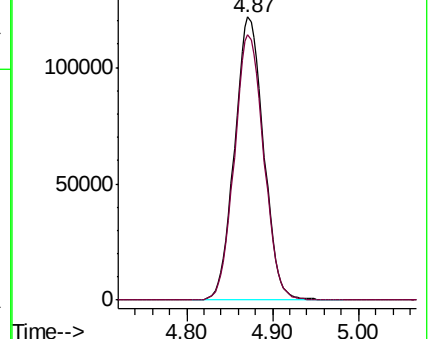
117 100

119 94.9 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.845 ug/L

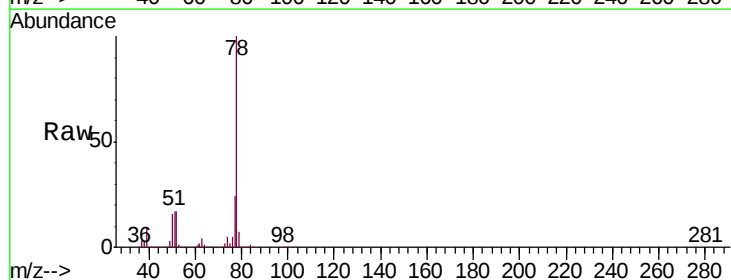
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

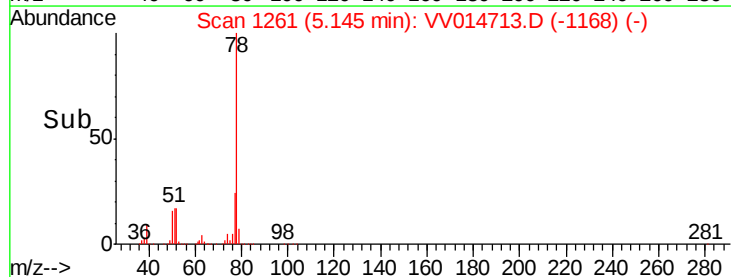
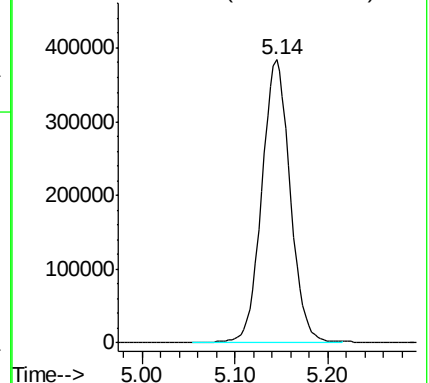
Lab File: VV014713.D

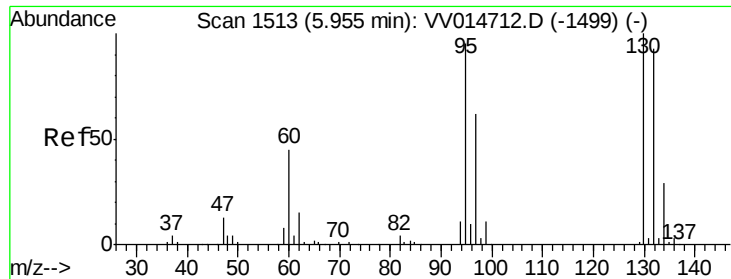
Acq: 28 Feb 2020 16:57

Tgt Ion: 78 Resp: 821502



Abundance Ion 78.10 (77.80 to 78.80): VV0

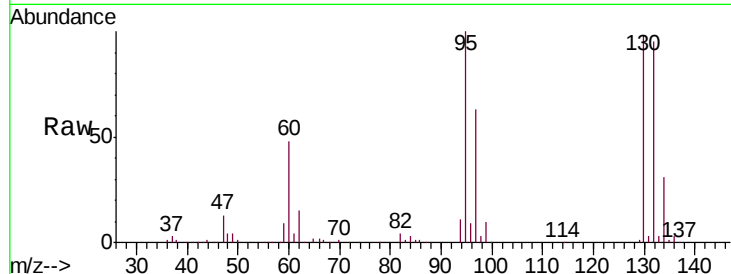




#34
 Trichloroethene
 Concen: 9.701 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Tgt Ion:	95	Resp:	211329
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.8	85.0
132	94.7	68.7	127.5
130	98.3	74.1	137.5

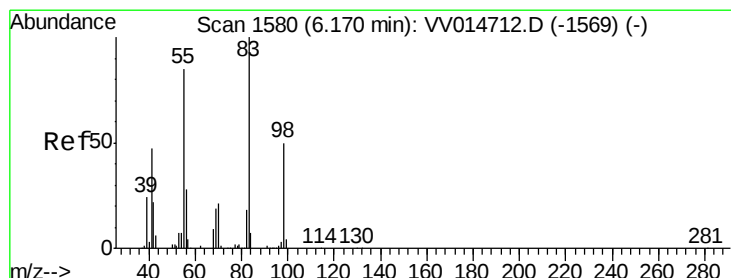
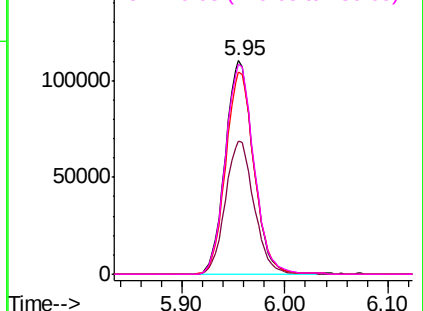
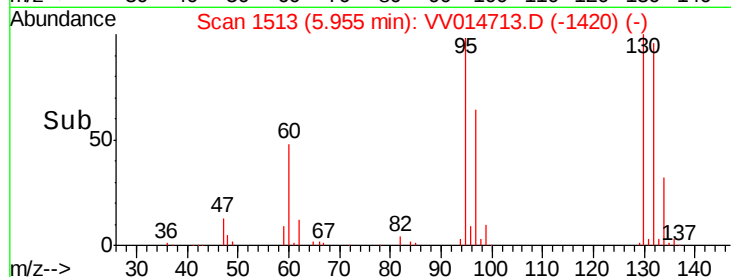


Abundance Ion 95.00 (94.70 to 95.70): VV014713.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV014713.D (-1420) (-)

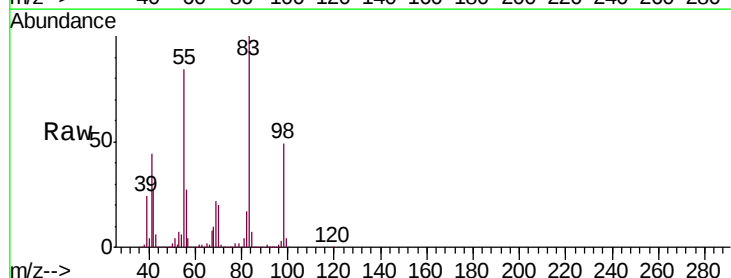
Ion 131.95 (131.65 to 132.65): VV014713.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV014713.D (-1420) (-)



#35
 Methylcyclohexane
 Concen: 9.629 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

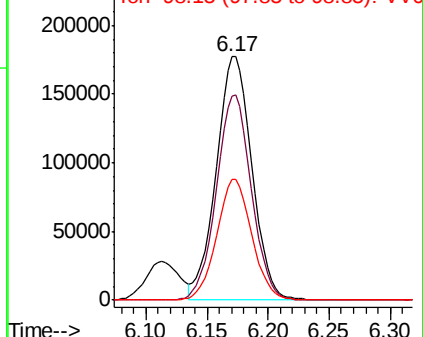
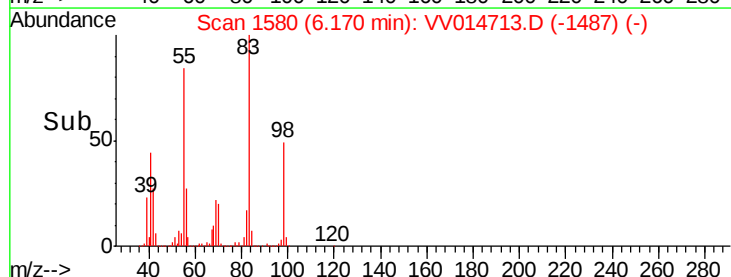
Tgt Ion:	83	Resp:	362923
Ion	Ratio	Lower	Upper
83	100		
55	82.5	64.6	96.8
98	48.9	37.8	56.8

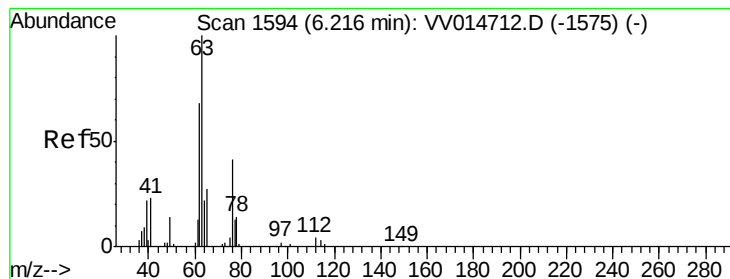


Abundance Ion 83.15 (82.85 to 83.85): VV014713.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014713.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014713.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 9.897 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

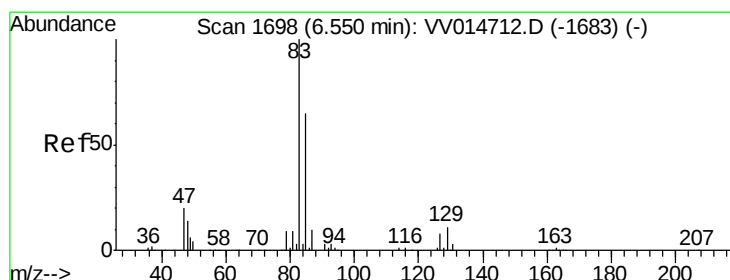
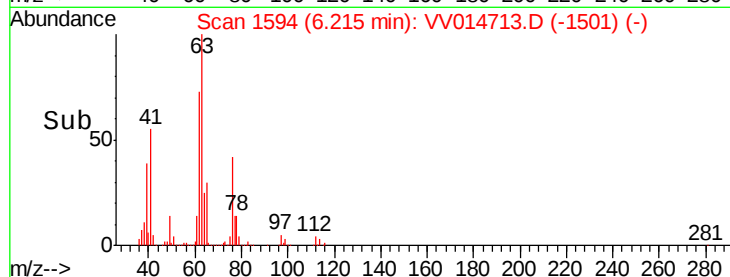
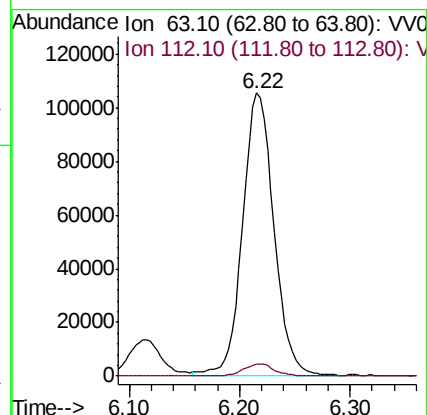
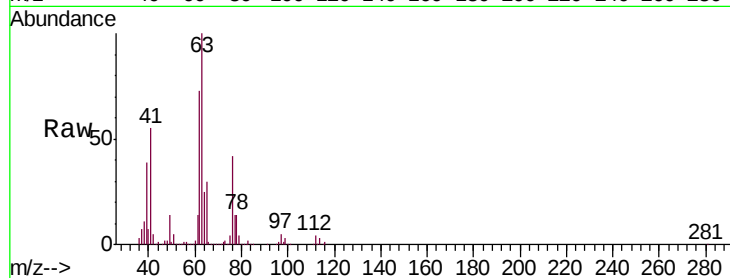
VSTD01035

Tgt Ion: 63 Resp: 206280

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



#38

Bromodichloromethane

Concen: 10.050 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

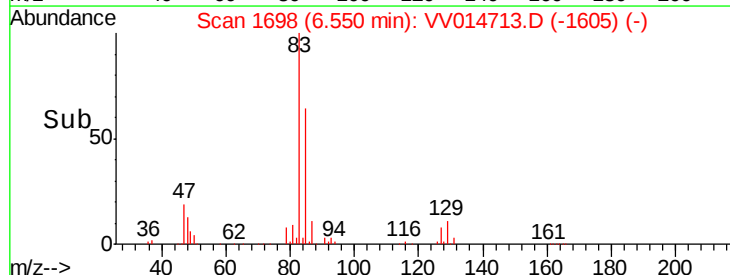
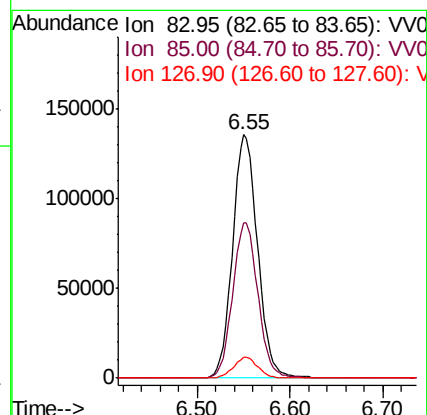
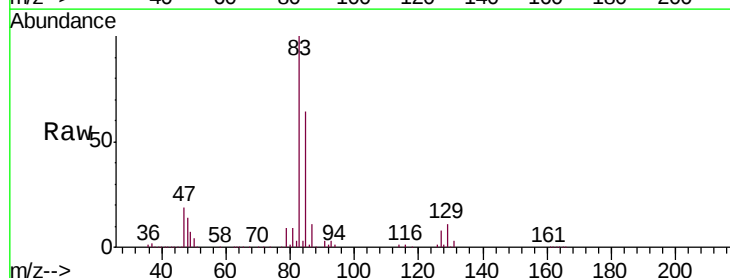
Tgt Ion: 83 Resp: 254605

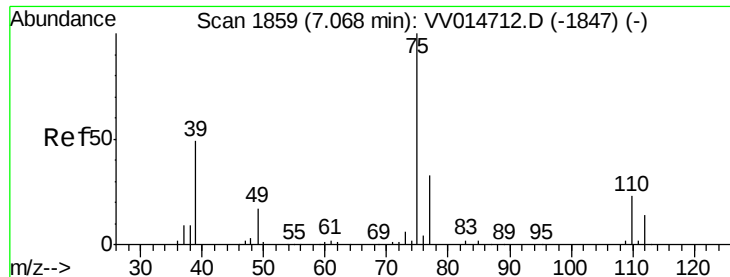
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 8.3 6.6 10.0

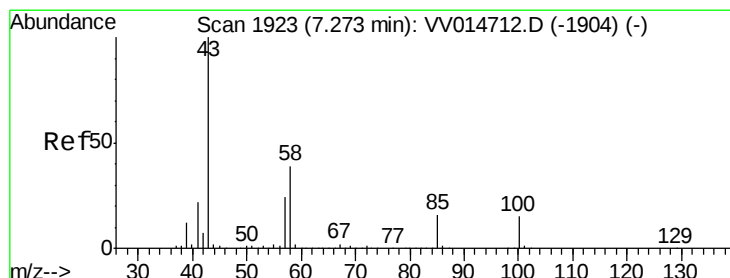
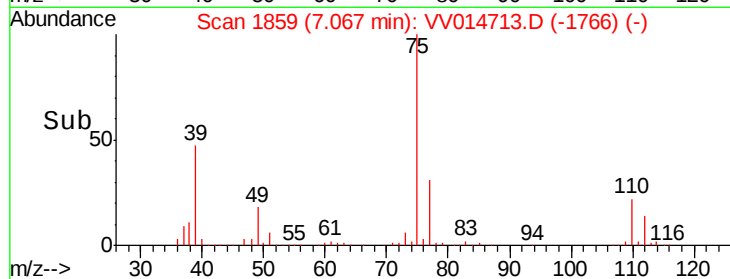
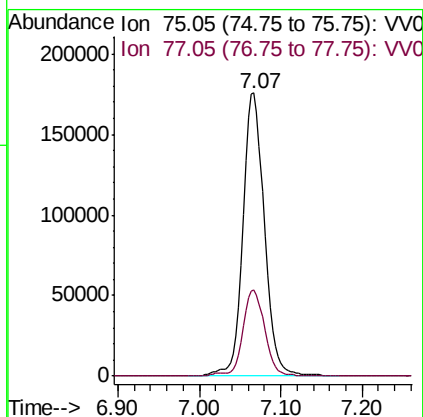
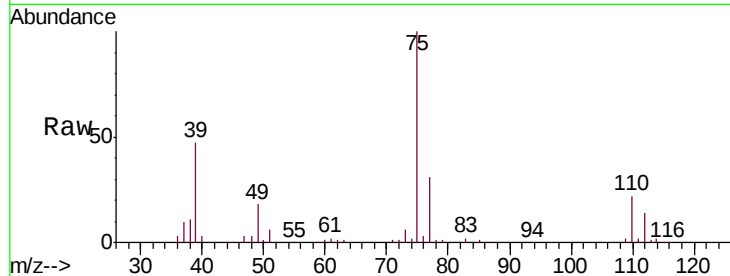




#39
 cis-1,3-Dichloropropene
 Concen: 10.280 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

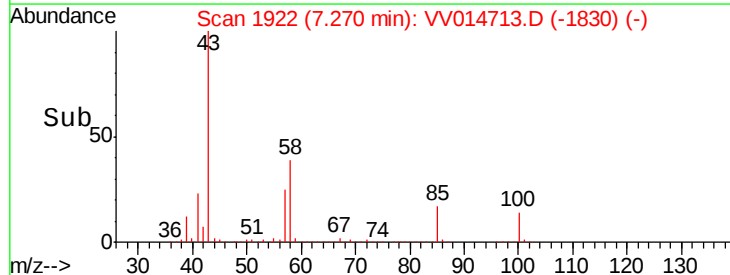
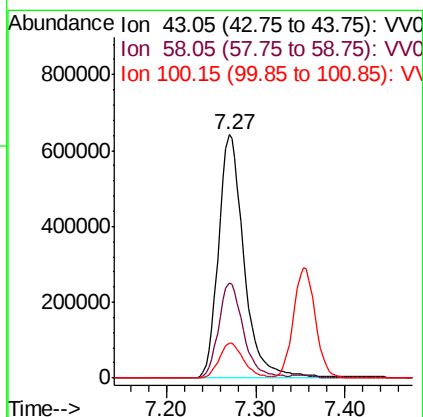
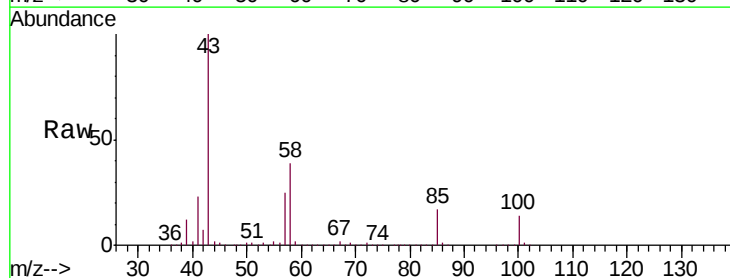
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

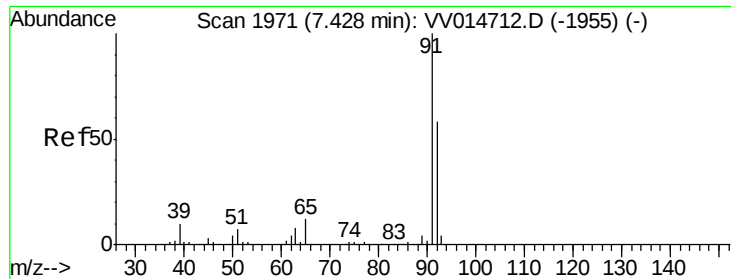
Tgt Ion: 75 Resp: 318147
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 108.920 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Tgt Ion: 43 Resp: 1271484
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.2
 100 13.9 11.2 16.8





#42

Toluene

Concen: 9.900 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

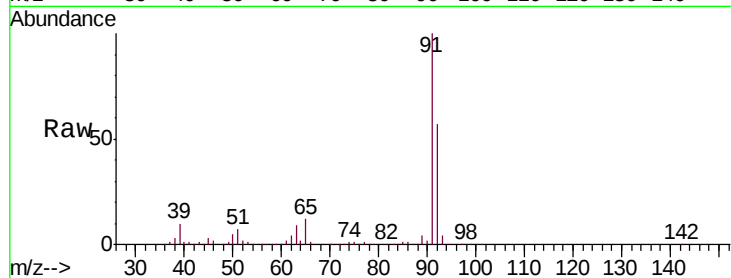
VSTD01035

Tgt Ion: 91 Resp: 881531

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

600000

500000

400000

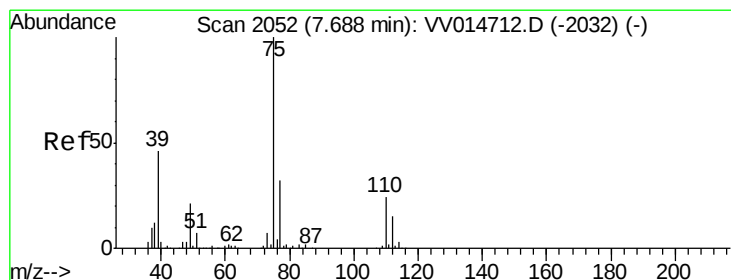
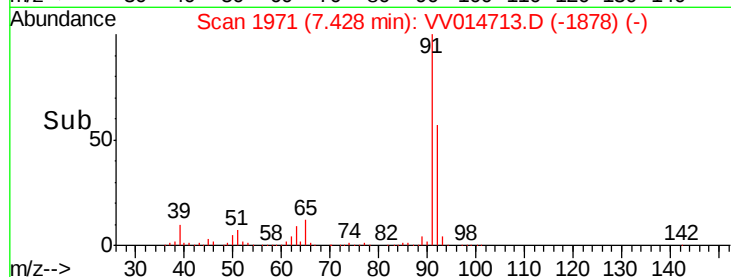
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 10.268 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014713.D

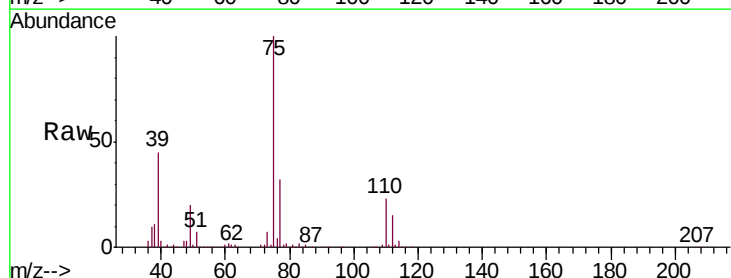
Acq: 28 Feb 2020 16:57

Tgt Ion: 75 Resp: 242956

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

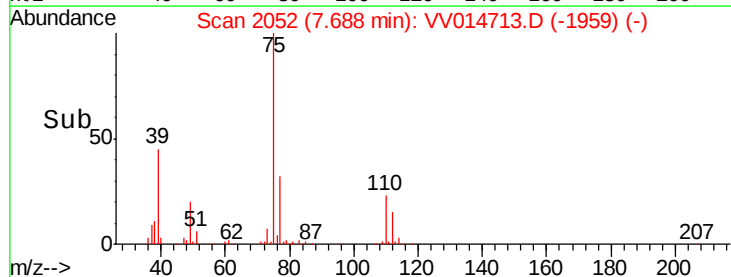
150000

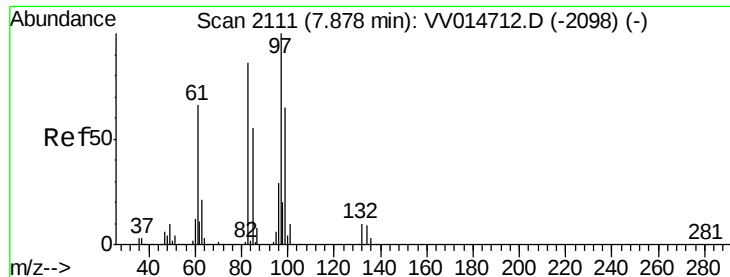
100000

50000

0

Time--> 7.60 7.70 7.80

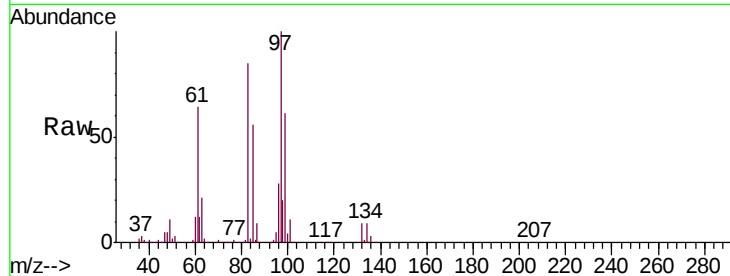




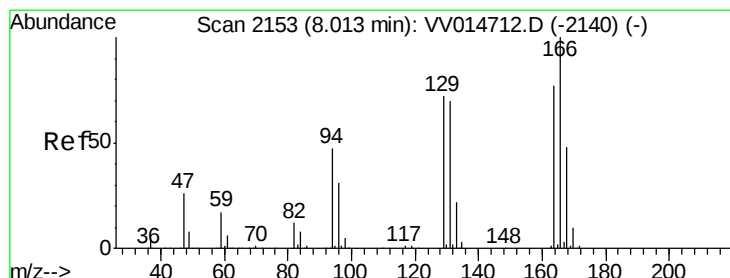
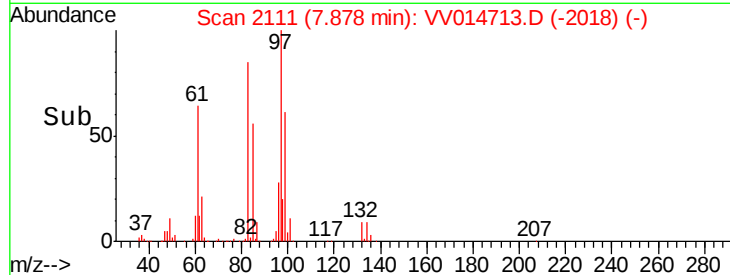
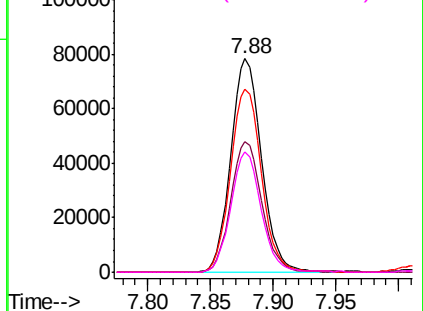
#45
 1,1,2-Trichloroethane
 Concen: 9.968 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Tgt Ion:	97	Resp:	133861
Ion	Ratio	Lower	Upper
97	100		
99	61.2	45.4	84.4
83	85.4	59.8	111.1
85	56.1	38.3	71.1

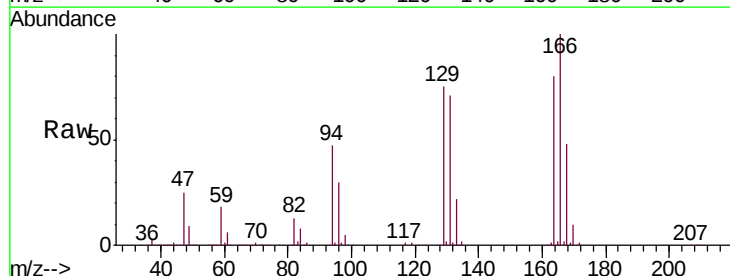


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

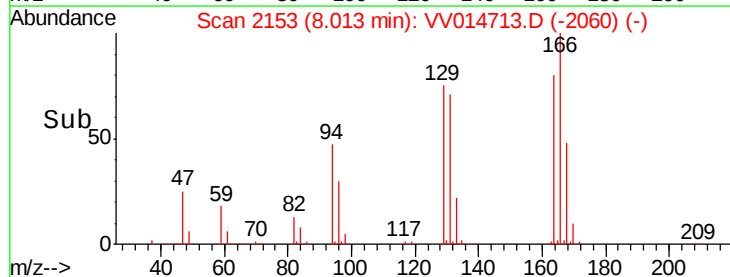
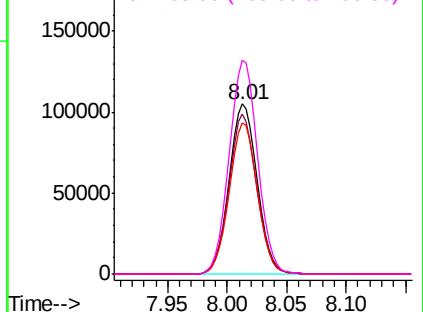


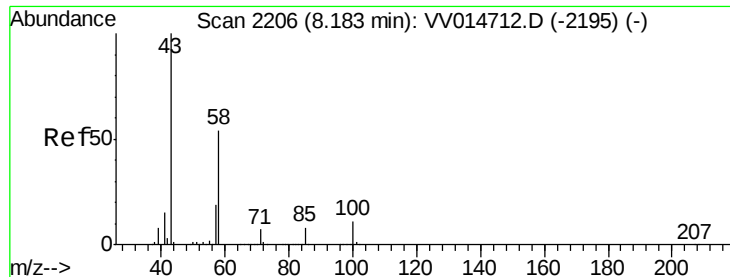
#47
 Tetrachloroethene
 Concen: 10.666 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Tgt Ion:	164	Resp:	171761
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.9	122.5
131	88.5	64.0	119.0
166	125.5	91.2	169.4



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

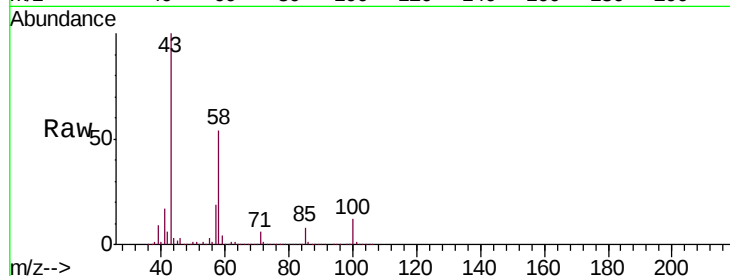




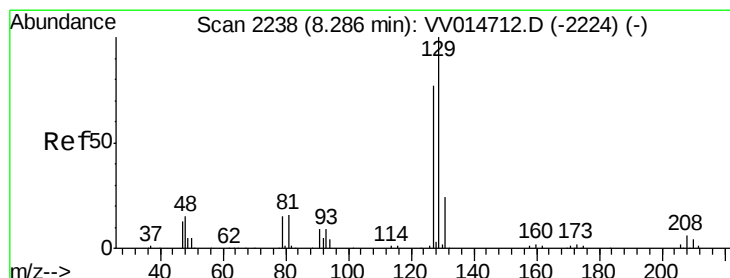
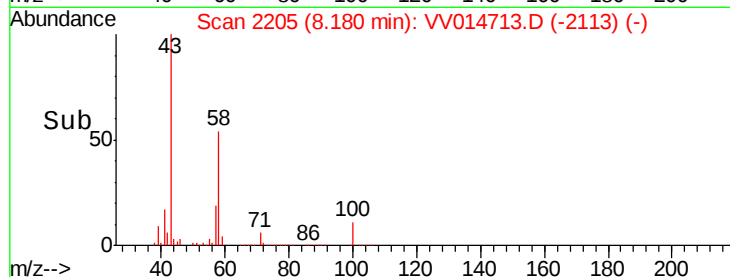
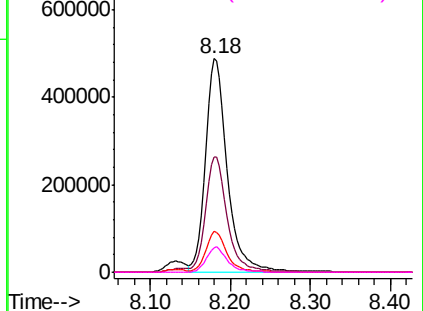
#48
2-Hexanone
Concen: 113.345 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

Tgt Ion:	43	Resp:	926479
Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.1	64.7
57	18.7	14.6	21.8
100	11.6	9.0	13.4

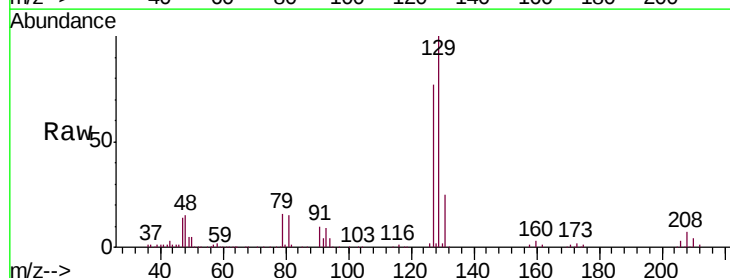


Abundance Ion 43.05 (42.75 to 43.75): VV014713.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV014713.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV014713.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV014713.D (-2195) (-)

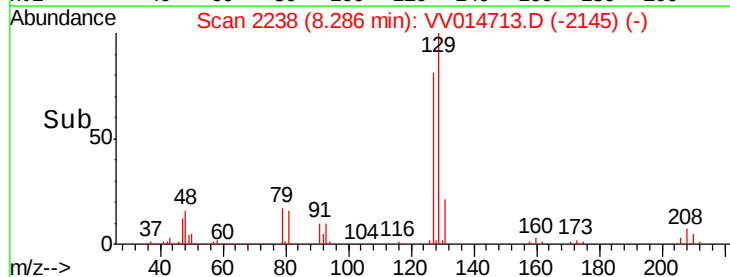
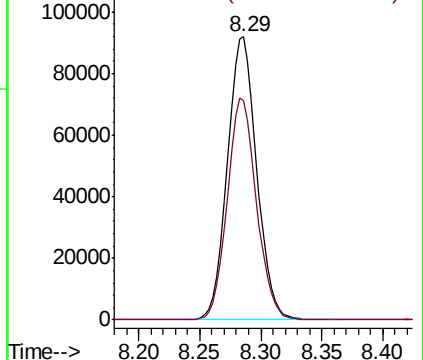


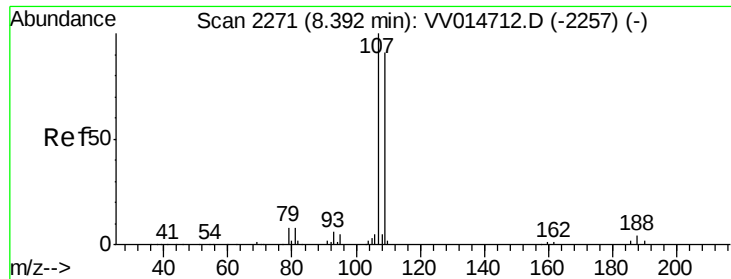
#49
Dibromochloromethane
Concen: 9.717 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion:	129	Resp:	154616
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV014713.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV014713.D (-2145) (-)

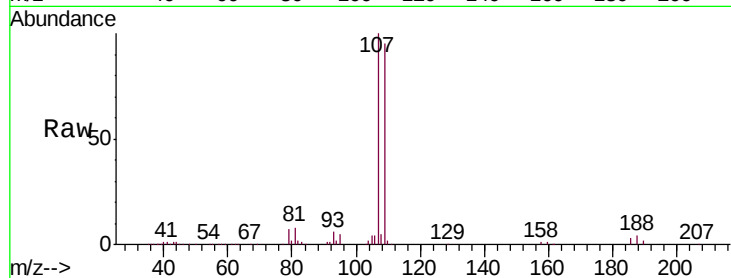




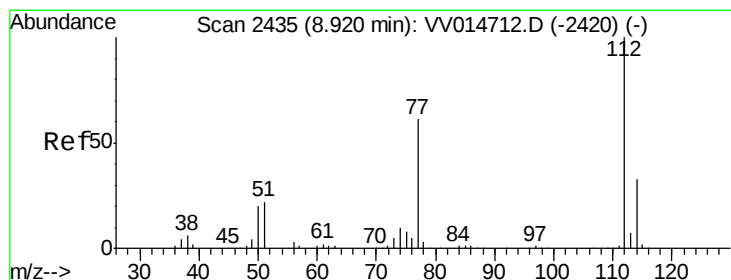
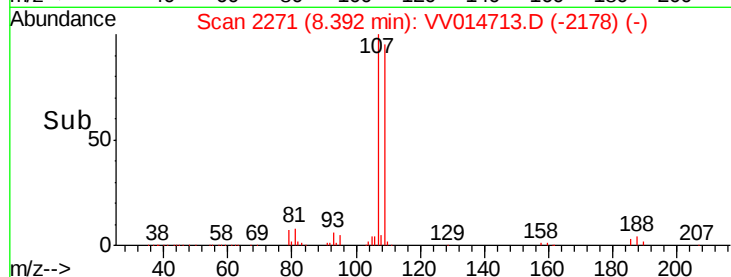
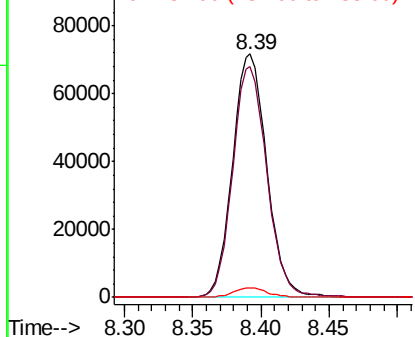
#50
 1,2-Dibromoethane
 Concen: 10.038 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Tgt Ion:107 Resp: 125285
 Ion Ratio Lower Upper
 107 100
 109 94.9 63.6 118.2
 188 4.1 3.1 4.7

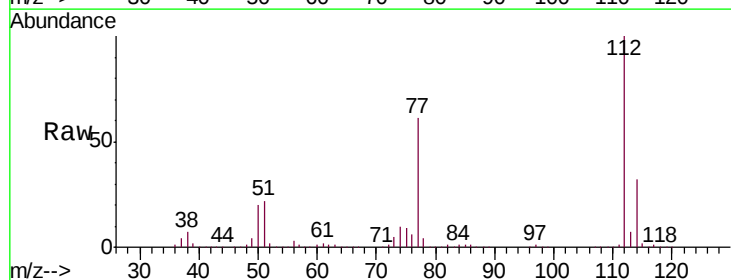


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

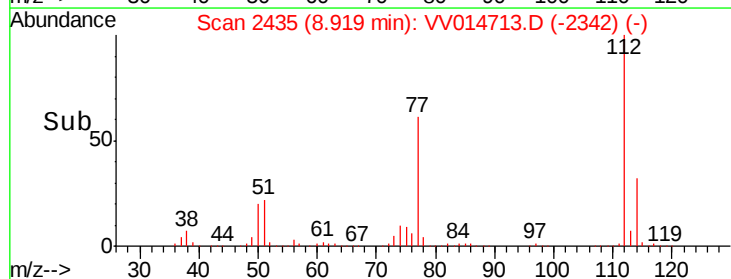
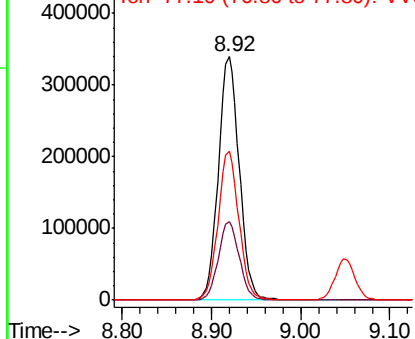


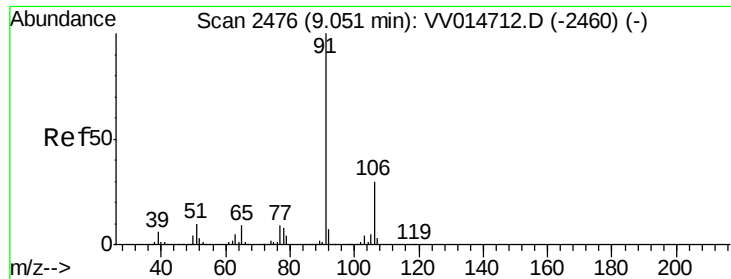
#51
 Chlorobenzene
 Concen: 9.956 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Tgt Ion:112 Resp: 550399
 Ion Ratio Lower Upper
 112 100
 114 32.0 23.2 43.2
 77 61.1 49.0 73.6



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

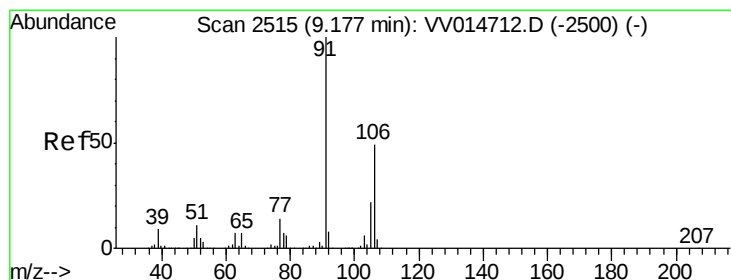
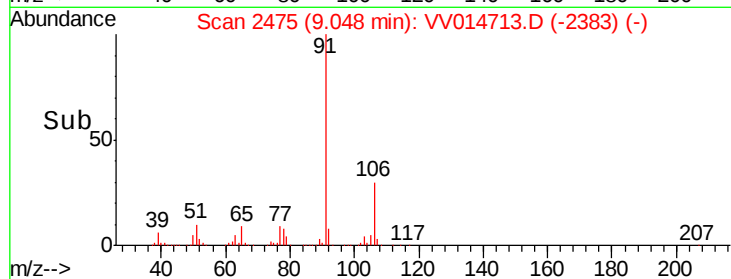
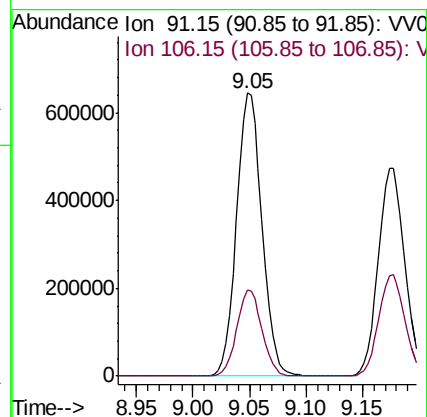
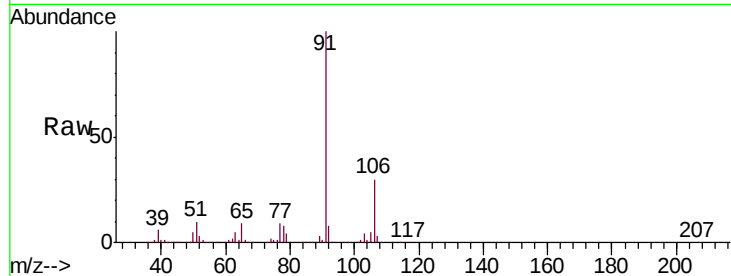




#52
Ethylbenzene
Concen: 10.109 ug/L
RT: 9.05 min Scan# 2475
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

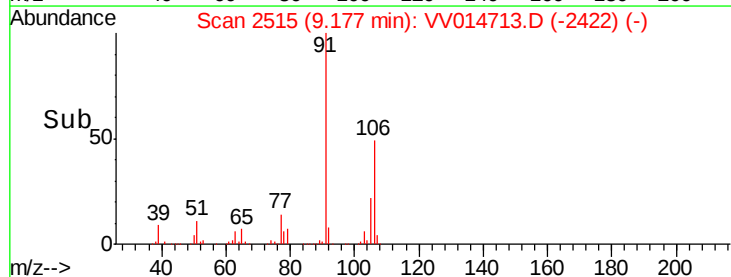
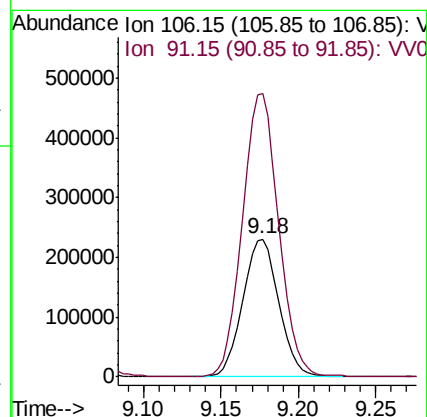
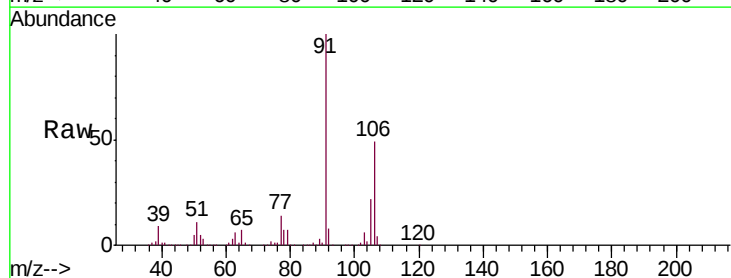
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

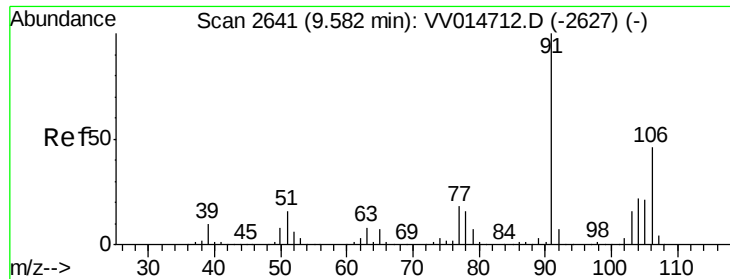
Tgt Ion: 91 Resp: 1010455
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.1



#53
m,p-xylene
Concen: 10.060 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion: 106 Resp: 372627
Ion Ratio Lower Upper
106 100
91 205.8 142.5 264.6

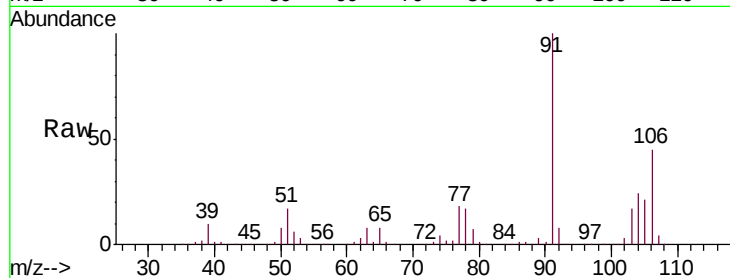




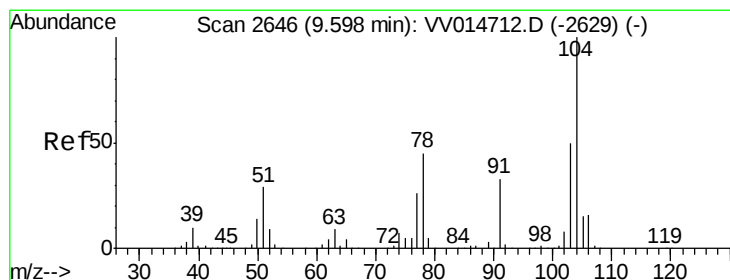
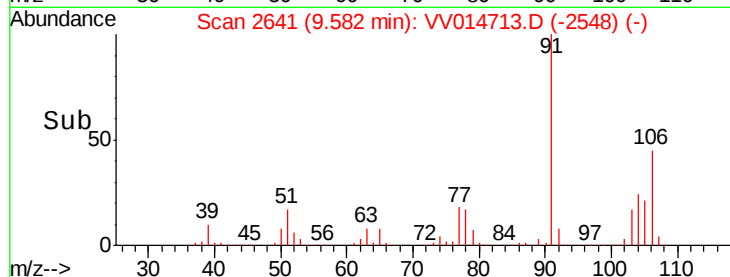
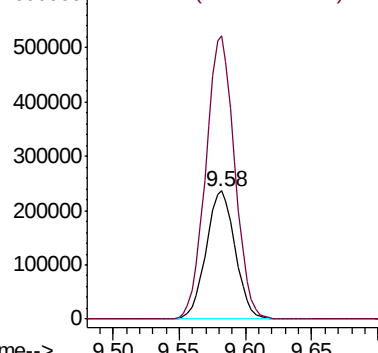
#54
o-xylene
Concen: 9.948 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

Tgt Ion:106 Resp: 360064
Ion Ratio Lower Upper
106 100
91 220.6 150.9 280.3

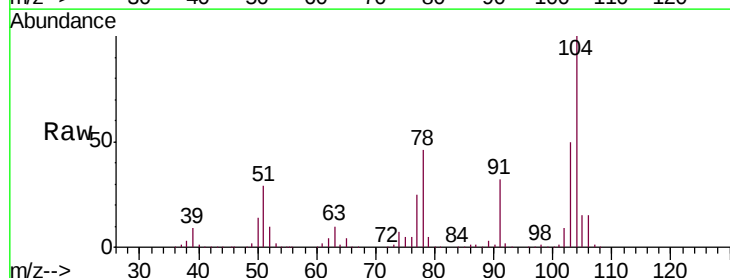


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

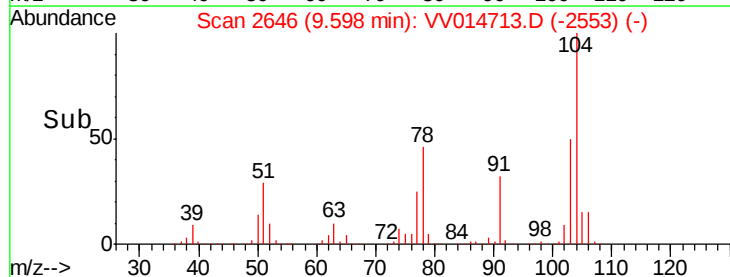
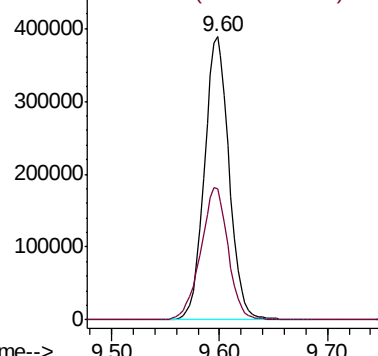


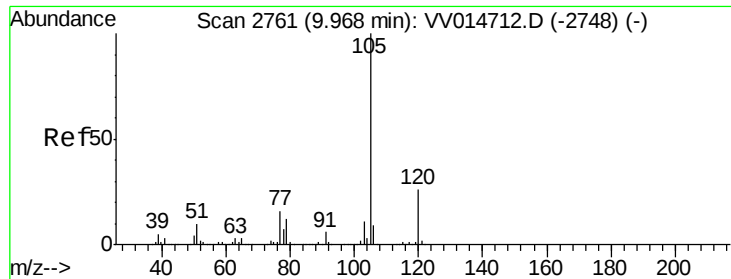
#55
Styrene
Concen: 10.357 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion:104 Resp: 620403
Ion Ratio Lower Upper
104 100
78 46.1 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

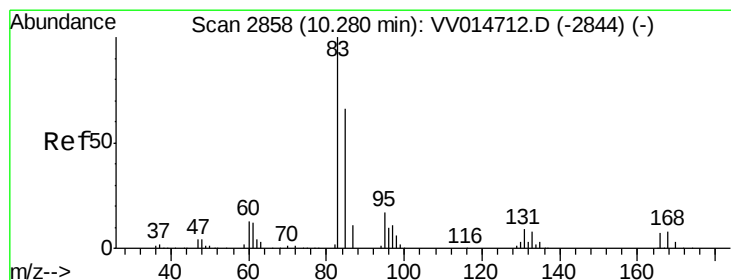
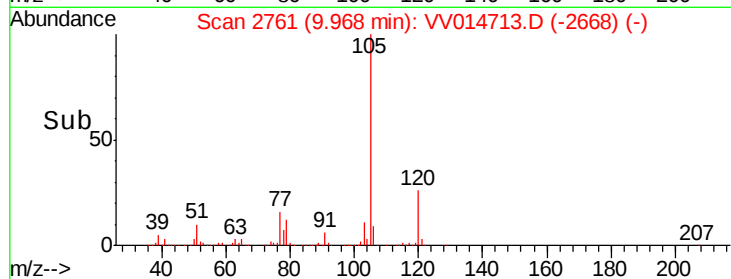
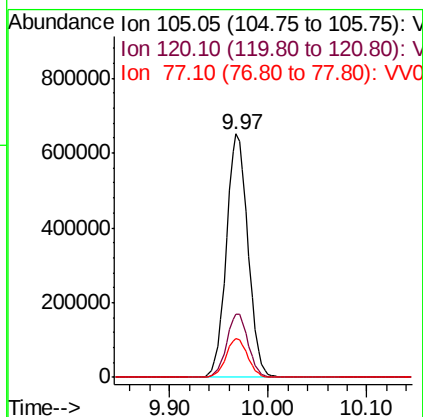
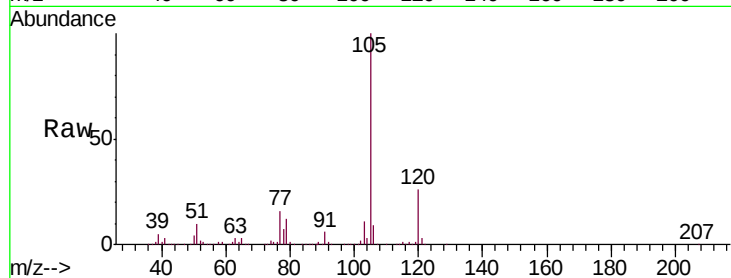




#56
Isopropylbenzene
Concen: 10.393 ug/L
RT: 9.97 min Scan# 2761
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

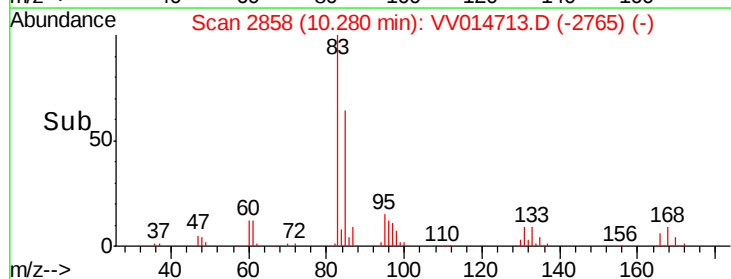
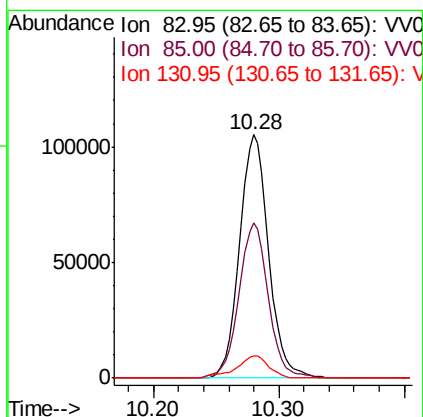
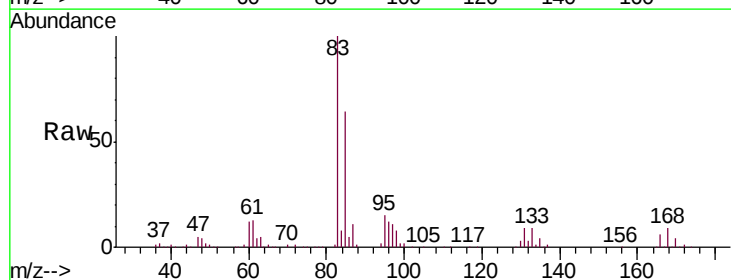
Instrument :
MSVOA_V
ClientSampleId :
VSTD01035

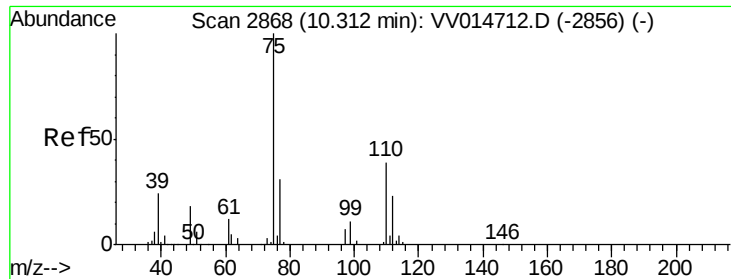
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0
77	16.0	12.6	18.8



#58
1,1,2,2-Tetrachloroethane
Concen: 10.698 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VV014713.D
Acq: 28 Feb 2020 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	46.1	85.7
131	9.3	7.4	11.2





#59

1,2,3-Trichloropropane

Concen: 10.352 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

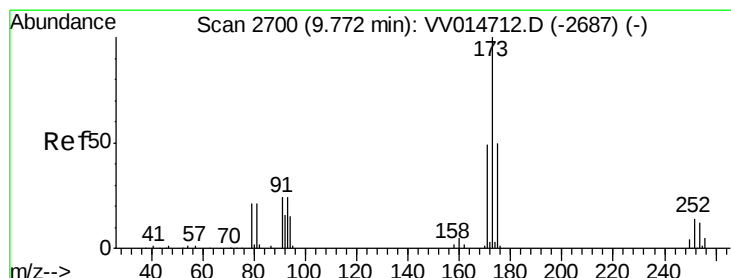
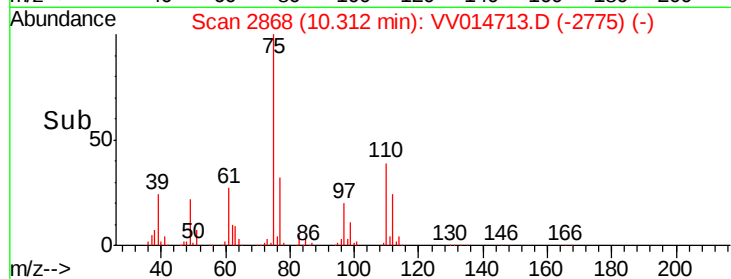
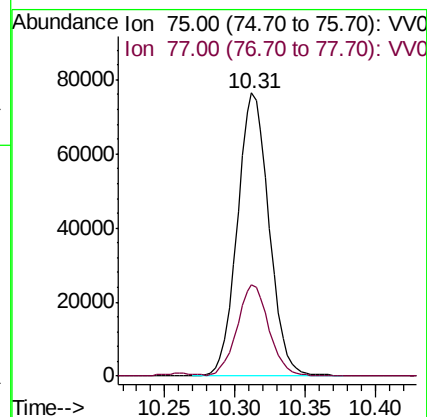
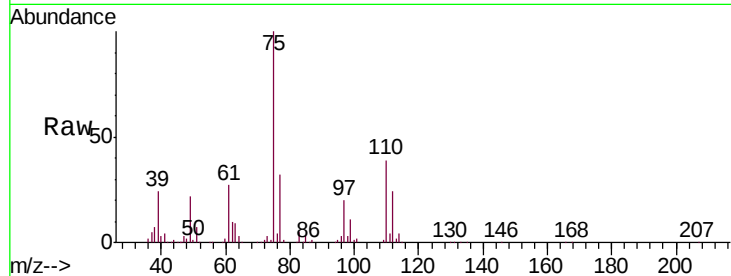
VSTD01035

Tgt Ion: 75 Resp: 120455

Ion Ratio Lower Upper

75 100

77 31.4 26.3 39.5



#61

Bromoform

Concen: 9.738 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

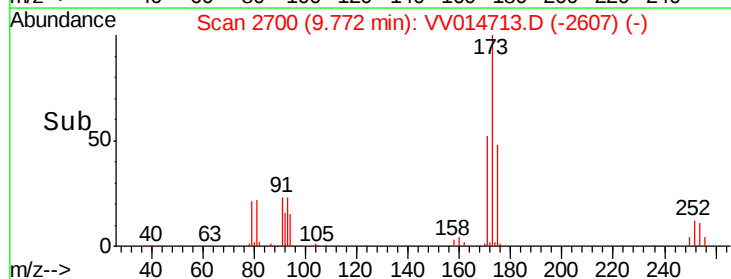
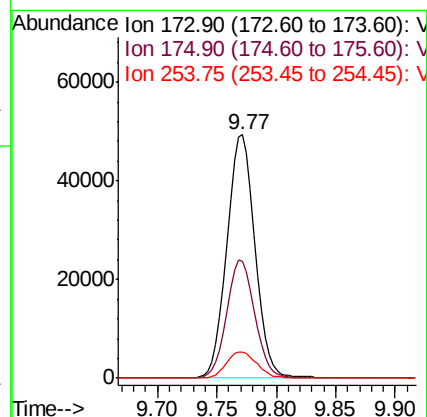
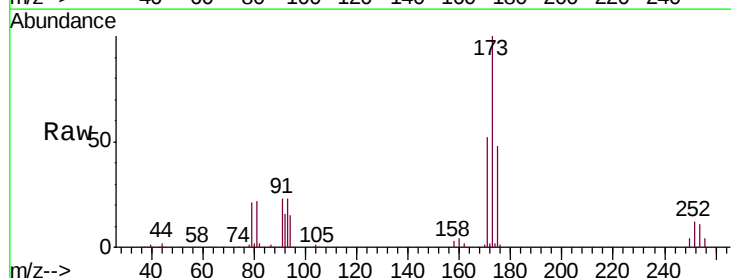
Tgt Ion: 173 Resp: 80842

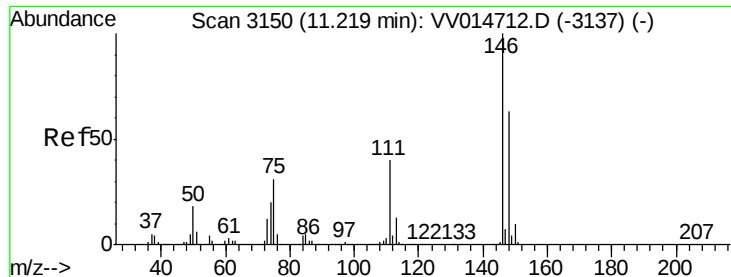
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 11.5 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 9.900 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

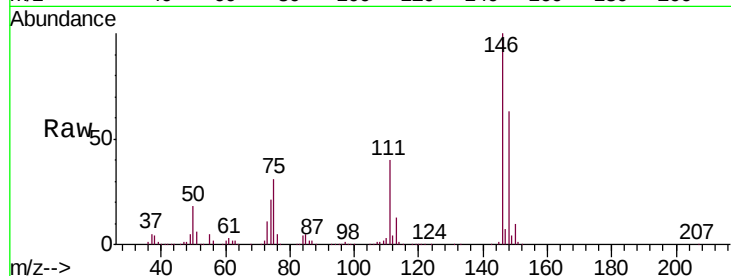
Tgt Ion:146 Resp: 449088

Ion Ratio Lower Upper

146 100

111 40.4 28.2 52.4

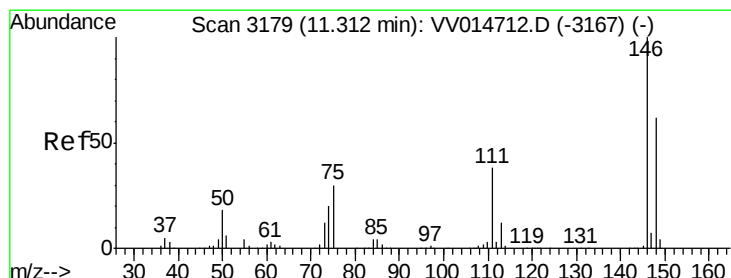
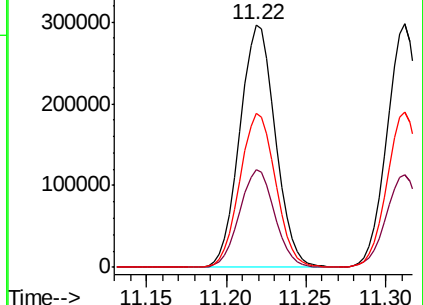
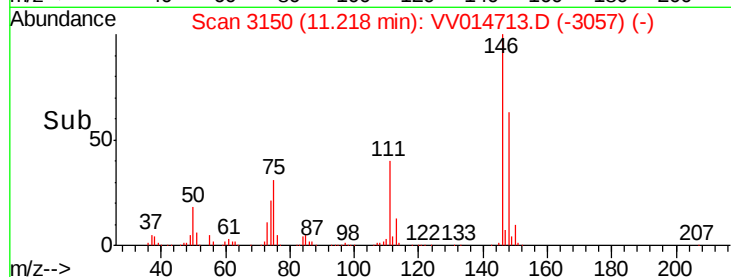
148 63.4 43.9 81.5



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



#63

1,4-Dichlorobenzene

Concen: 9.962 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

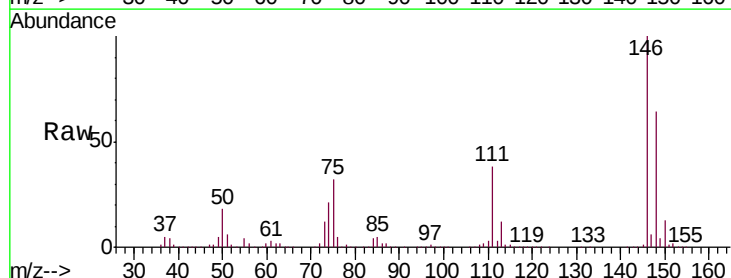
Tgt Ion:146 Resp: 450356

Ion Ratio Lower Upper

146 100

111 37.9 26.9 49.9

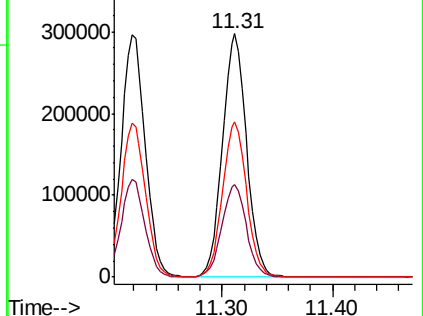
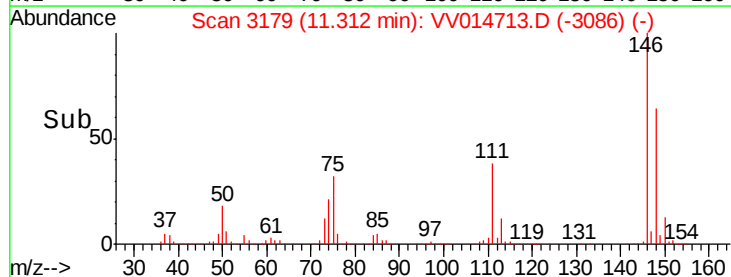
148 64.0 43.8 81.4

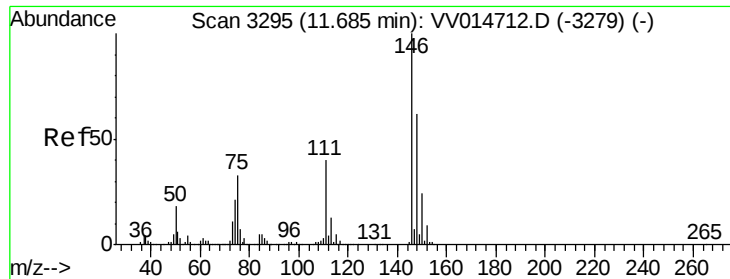


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.029 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

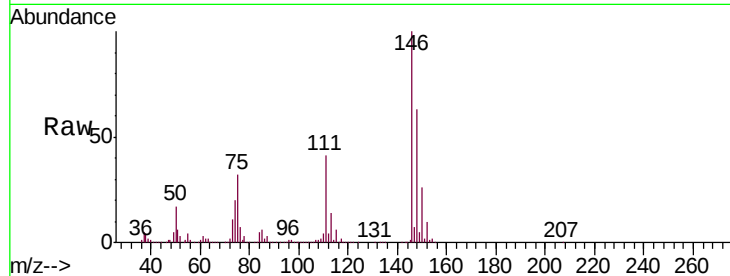
Tgt Ion:146 Resp: 410618

Ion Ratio Lower Upper

146 100

111 40.9 31.8 47.8

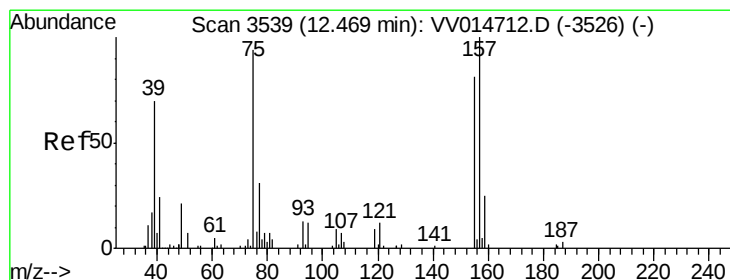
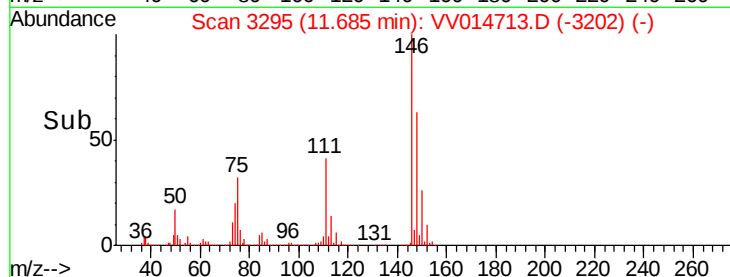
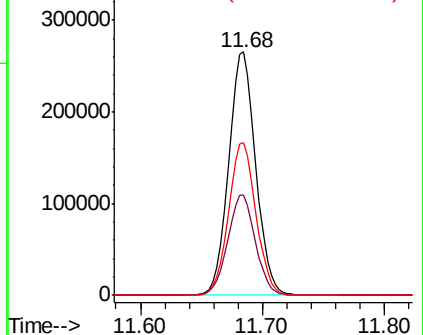
148 62.8 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 8.148 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

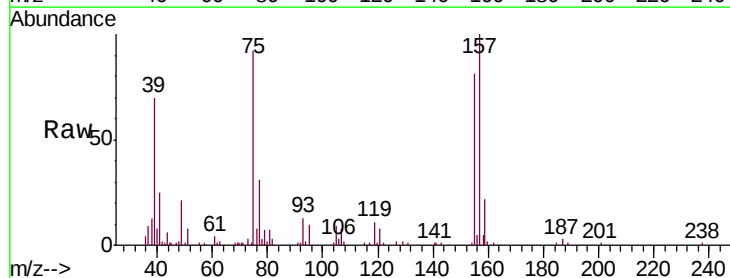
Tgt Ion: 75 Resp: 25609

Ion Ratio Lower Upper

75 100

155 88.3 68.3 102.5

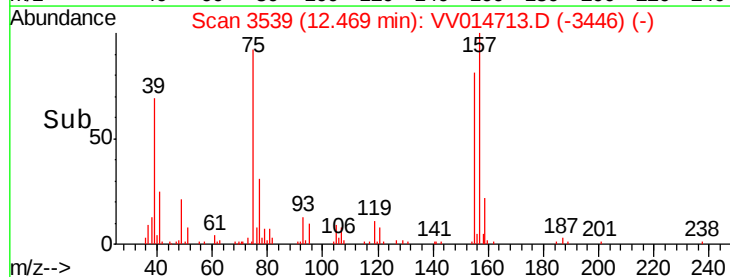
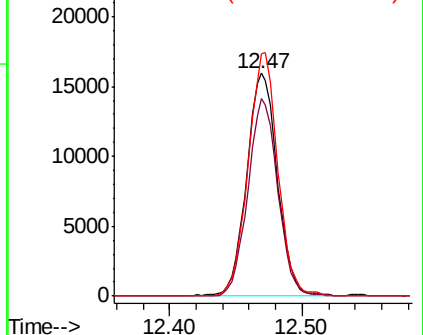
157 108.6 84.7 127.1

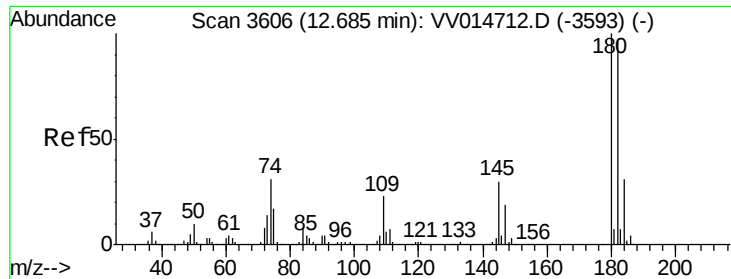


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

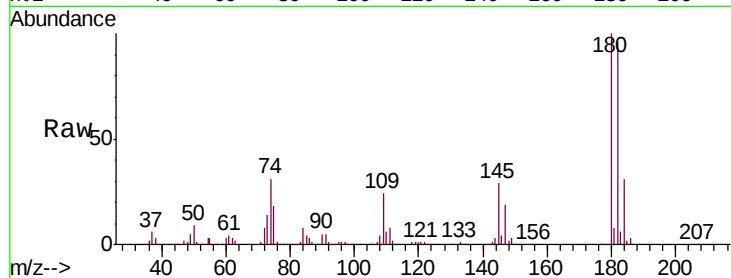




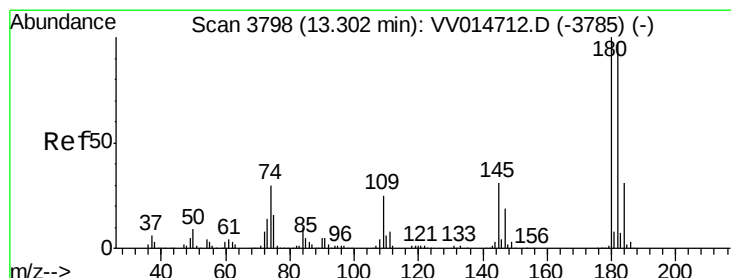
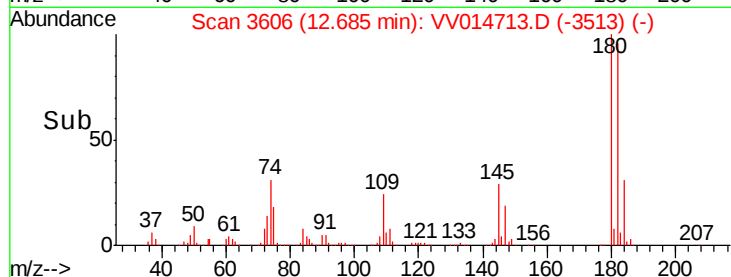
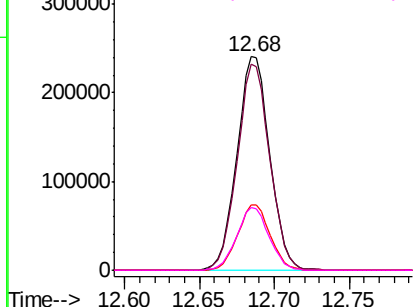
#67
 1,3,5-Trichlorobenzene
 Concen: 10.682 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01035

Tgt Ion:	180	Resp:	366567
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
184	30.4	24.2	36.2
145	29.0	22.9	34.3

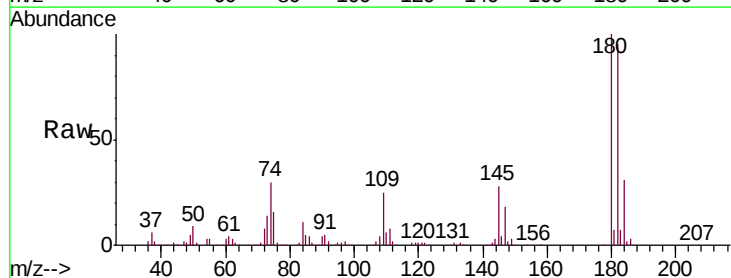


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

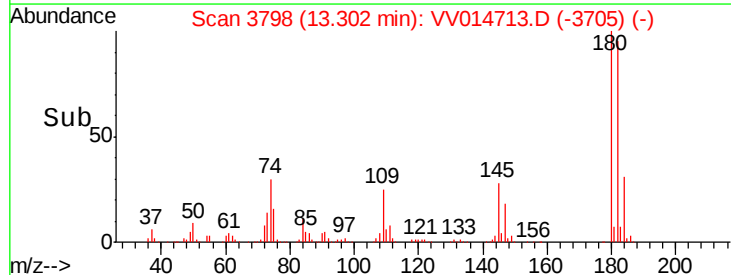
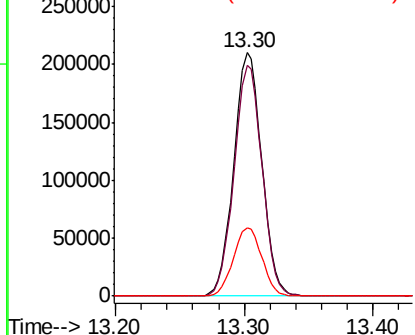


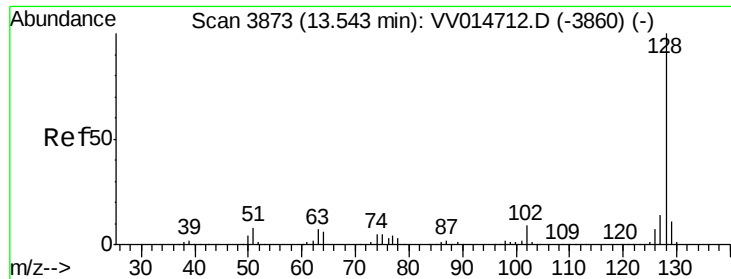
#68
 1,2,4-trichlorobenzene
 Concen: 11.013 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014713.D
 Acq: 28 Feb 2020 16:57

Tgt Ion:	180	Resp:	316716
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.4	116.2
145	28.9	24.2	36.2



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





#69

Naphthalene

Concen: 10.461 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01035

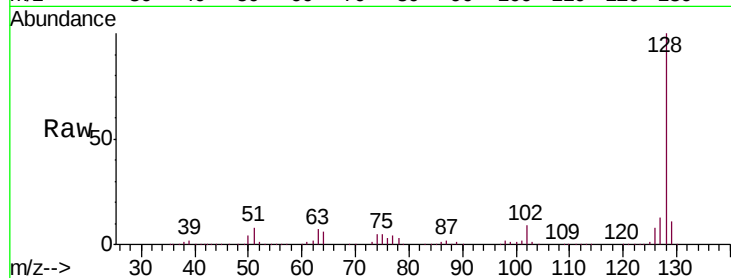
Tgt Ion:128 Resp: 522705

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

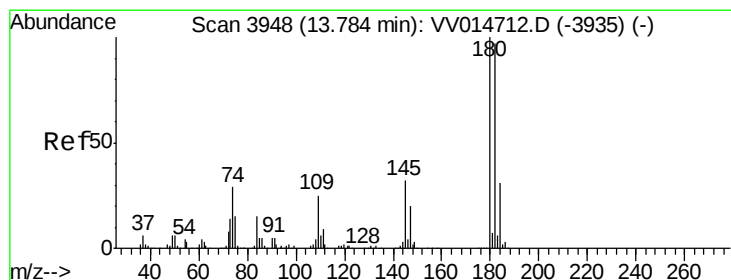
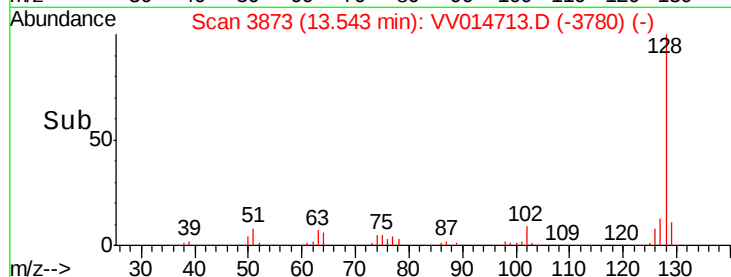
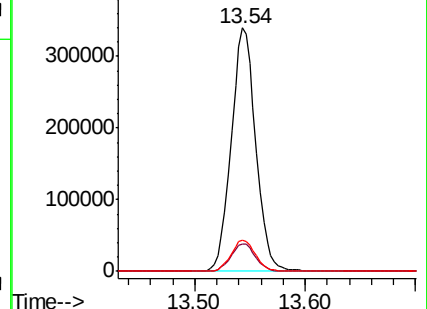
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.159 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014713.D

Acq: 28 Feb 2020 16:57

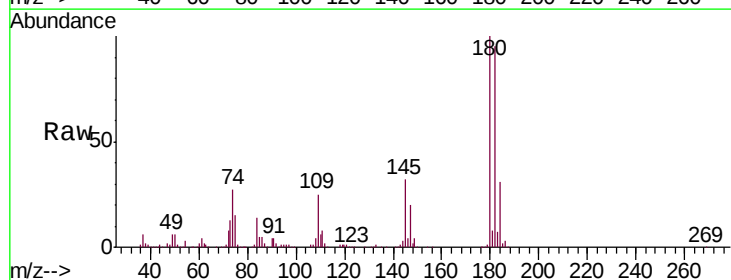
Tgt Ion:180 Resp: 280090

Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

145 31.6 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

