

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030220\
 Data File : VV014724.D
 Acq On : 02 Mar 2020 10:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 03 00:47:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 02 17:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	332348	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	164219	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118671	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	95819	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	208141	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	3.97	46	259247	48.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.40%
24) Chloroform-d	4.39	84	228655	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	113146	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.09	84	454003	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.11	67	138737	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.35	98	420887	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.66	79	55692	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.13	63	217926	48.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.46%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	101973	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	150781	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	184772	5.062	ug/L 99
3) Chloromethane	1.25	50	162716	4.841	ug/L 99
5) Vinyl chloride	1.32	62	154606	5.003	ug/L 99
6) Bromomethane	1.53	94	89515	5.141	ug/L 96
8) Chloroethane	1.60	64	86949	5.023	ug/L 98
9) Trichlorofluoromethane	1.77	101	213375	5.069	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	112233	5.095	ug/L 98
12) 1,1-Dichloroethene	2.14	96	108488	5.180	ug/L 97
13) Acetone	2.24	43	159529	44.077	ug/L 97
14) Carbon disulfide	2.31	76	329619	4.616	ug/L 99
15) Methyl Acetate	2.48	43	41689	4.539	ug/L 98
16) Methylene chloride	2.53	84	128510	4.906	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	293564	5.153	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	128232	5.065	ug/L 97
19) 1,1-Dichloroethane	3.22	63	253480	5.118	ug/L 98
21) 2-Butanone	4.05	43	316972	51.458	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	141842	5.241	ug/L 98

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Instrument :
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 ClientSampleId :

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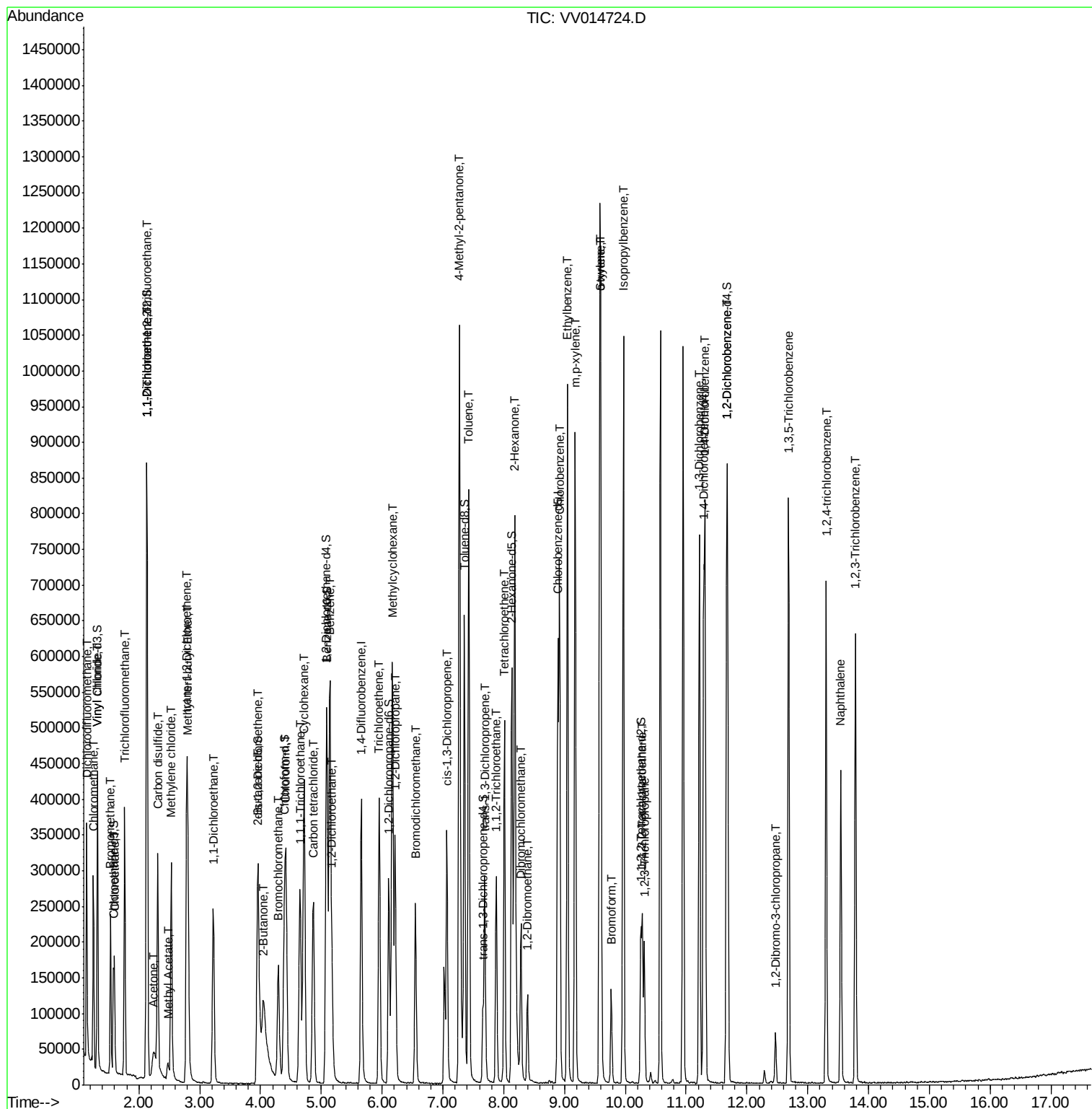
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	55828	5.140	ug/L	89
25) Chloroform	4.42	83	251262	5.169	ug/L	99
27) 1,2-Dichloroethane	5.18	62	149593	5.026	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	218585	5.262	ug/L	98
30) Cyclohexane	4.72	56	242048	5.176	ug/L	100
31) Carbon tetrachloride	4.87	117	191115	5.341	ug/L	98
33) Benzene	5.14	78	545170	5.269	ug/L	100
34) Trichloroethene	5.95	95	141786	5.232	ug/L	98
35) Methylcyclohexane	6.17	83	244589	5.306	ug/L	99
37) 1,2-Dichloropropane	6.21	63	137437	5.200	ug/L	100
38) Bromodichloromethane	6.55	83	171767	5.328	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	208338	5.441	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	828625	52.357	ug/L	98
42) Toluene	7.42	91	588854	5.374	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	164466	5.536	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	87874	5.207	ug/L	98
47) Tetrachloroethene	8.01	164	113208	5.224	ug/L	97
48) 2-Hexanone	8.18	43	601998	53.386	ug/L	99
49) Dibromochloromethane	8.28	129	107161	5.617	ug/L	100
50) 1,2-Dibromoethane	8.39	107	82973	5.151	ug/L	95
51) Chlorobenzene	8.92	112	367735	5.301	ug/L	99
52) Ethylbenzene	9.05	91	661902	5.328	ug/L	100
53) m,p-xylene	9.17	106	246746	5.425	ug/L	97
54) o-xylene	9.58	106	235067	5.309	ug/L	99
55) Styrene	9.60	104	406277	5.462	ug/L	99
56) Isopropylbenzene	9.97	105	653496	5.464	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	111615	5.290	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	78408	5.079	ug/L	99
61) Bromoform	9.77	173	58978	6.103	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	304786	5.429	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	299276	5.218	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	268789	5.182	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	17468	5.089	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	244723	5.372	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	208054	5.318	ug/L	99
69) Naphthalene	13.54	128	332384	5.219	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	185877	5.324	ug/L	99

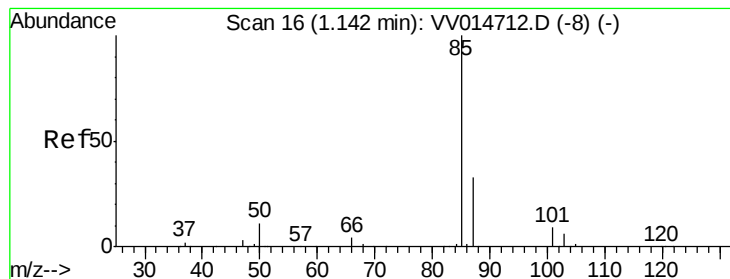
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.062 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

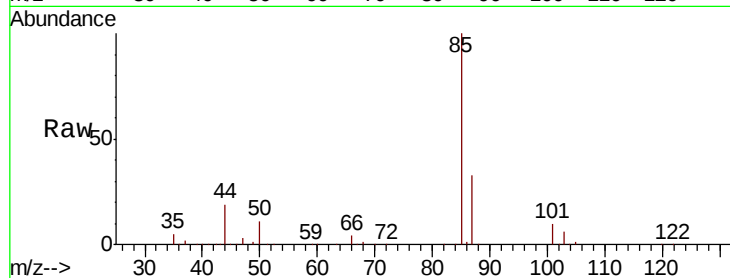
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 184772

Ion Ratio Lower Upper

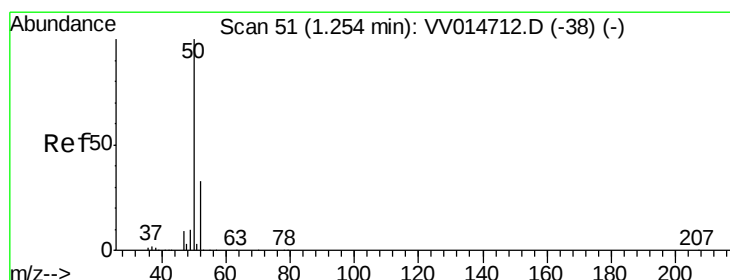
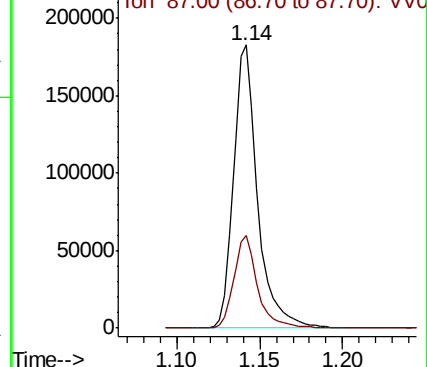
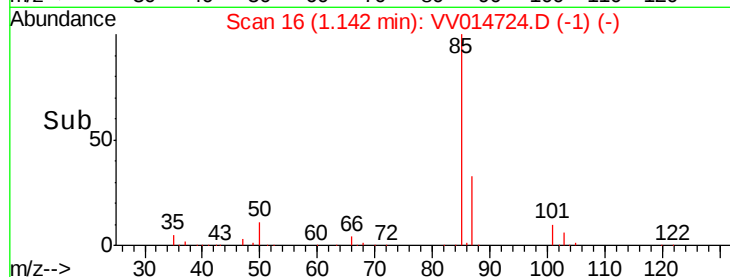
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014724.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014724.D (-1) (-)



#3

Chloromethane

Concen: 4.841 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014724.D

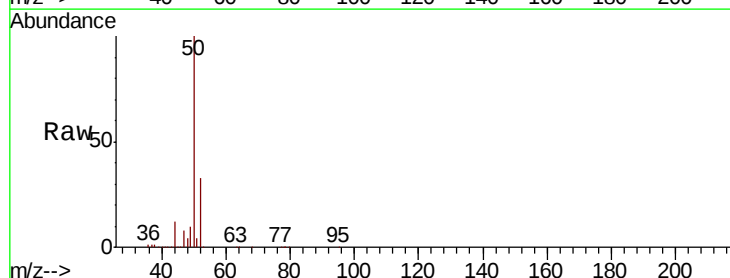
Acq: 02 Mar 2020 10:02

Tgt Ion: 50 Resp: 162716

Ion Ratio Lower Upper

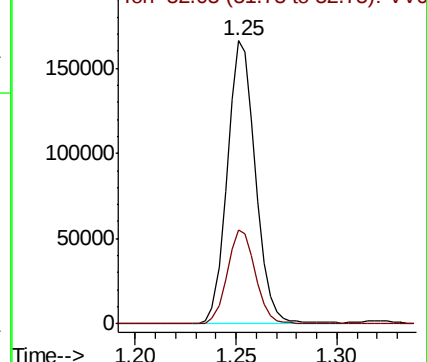
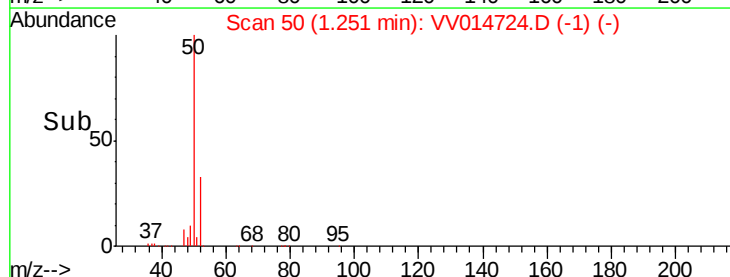
50 100

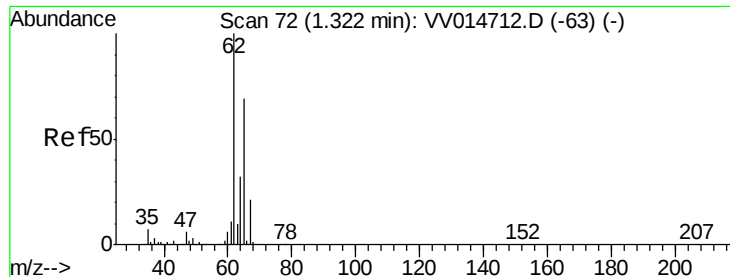
52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014724.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV014724.D (-1) (-)





#5

Vinyl chloride

Concen: 5.003 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

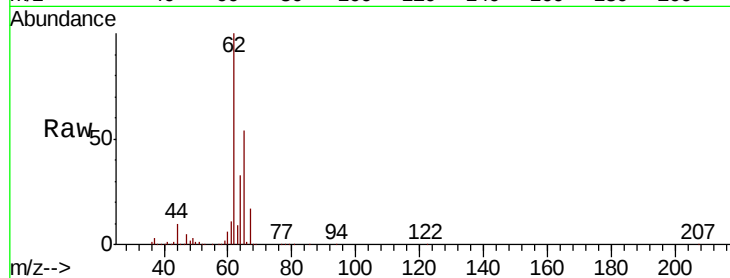
ClientSampled :

Tot Ion: 62 Resp: 154606

Ion Ratio Lower Upper

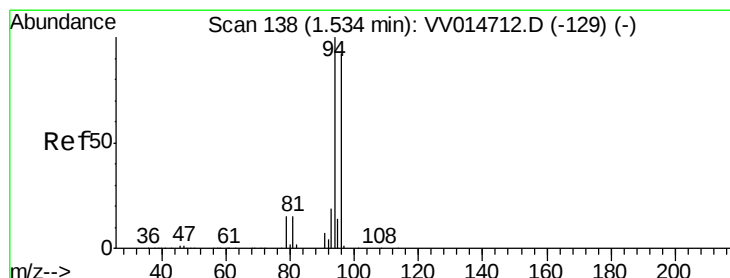
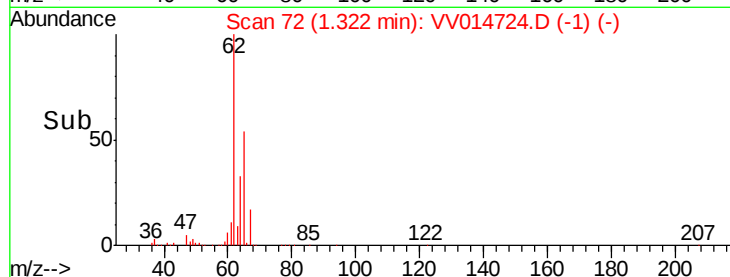
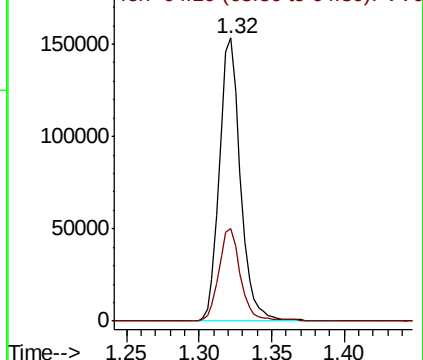
62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.141 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014724.D

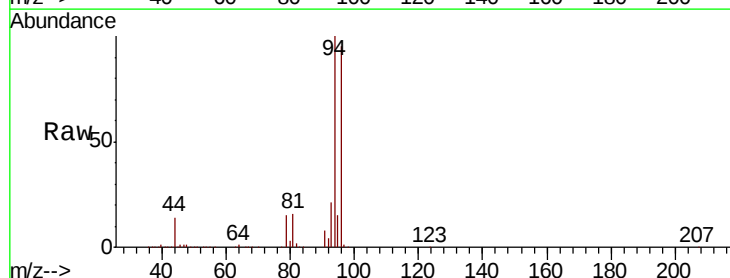
Acq: 02 Mar 2020 10:02

Tgt Ion: 94 Resp: 89515

Ion Ratio Lower Upper

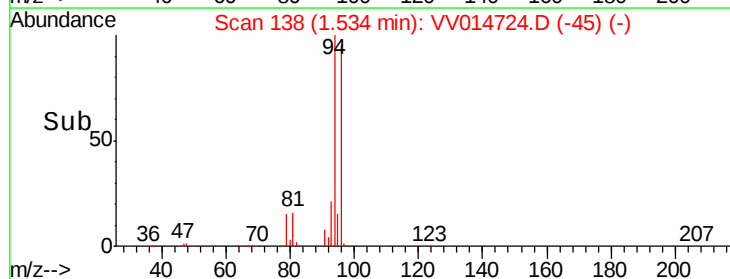
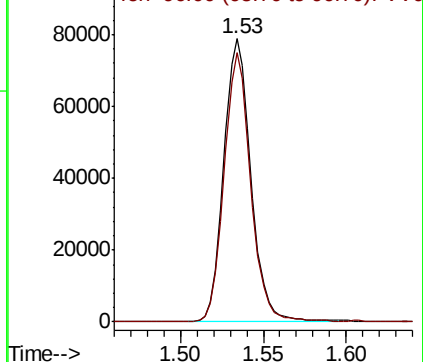
94 100

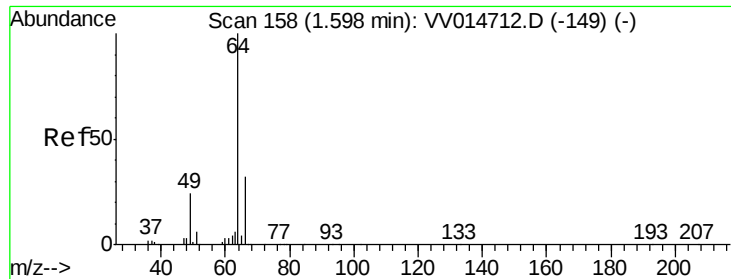
96 95.3 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.023 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

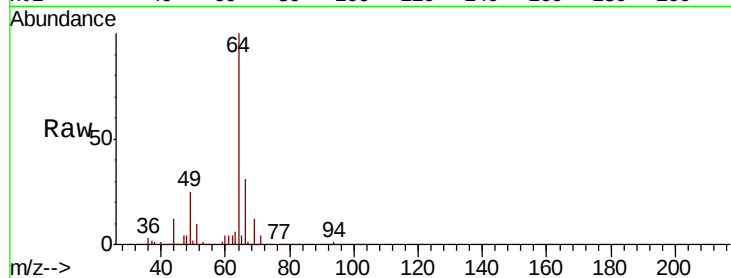
ClientSampleId :

Tot Ion: 64 Resp: 86949

Ion Ratio Lower Upper

64 100

66 31.4 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014712.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014712.D (-149) (-)

1.60

80000

60000

40000

20000

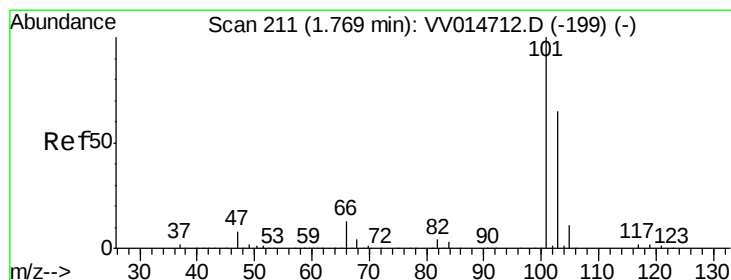
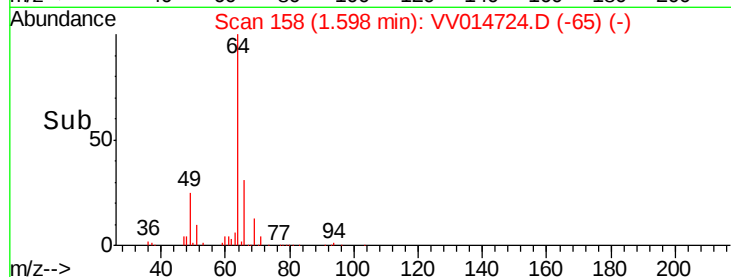
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.069 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV014724.D

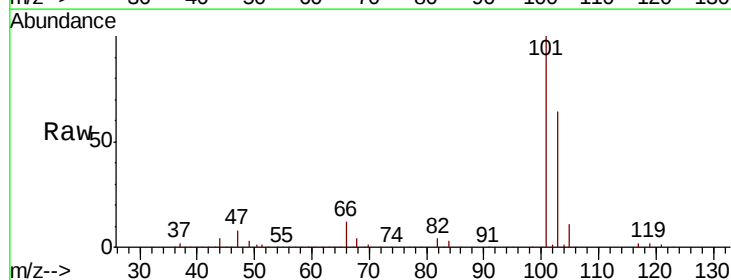
Acq: 02 Mar 2020 10:02

Tgt Ion: 101 Resp: 213375

Ion Ratio Lower Upper

101 100

103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014712.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014712.D (-199) (-)

1.77

200000

150000

100000

50000

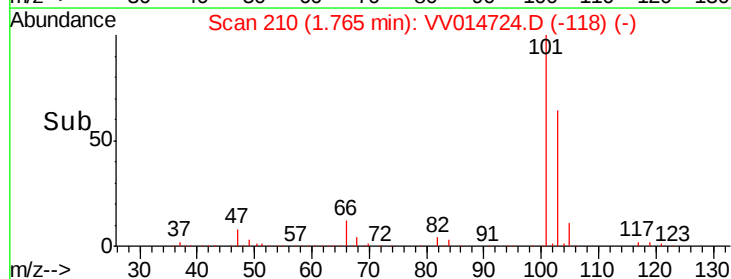
0

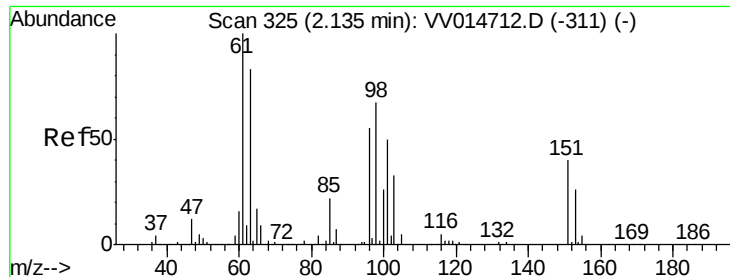
1.70

1.75

1.80

Time-->





#10

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

Concen: 5.095 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

ClientSampled :

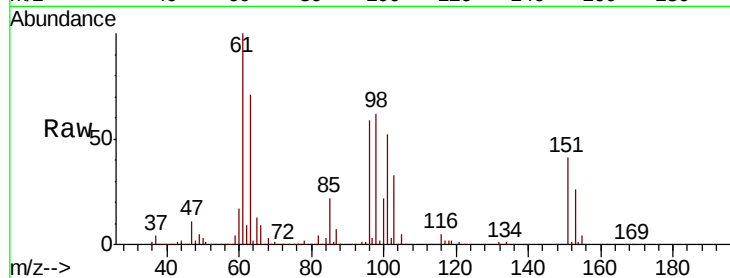
Tot Ion:101 Resp: 112233

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

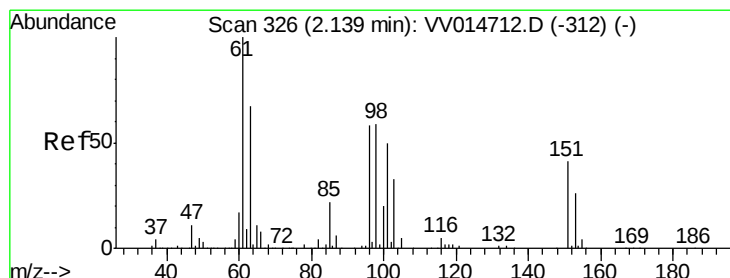
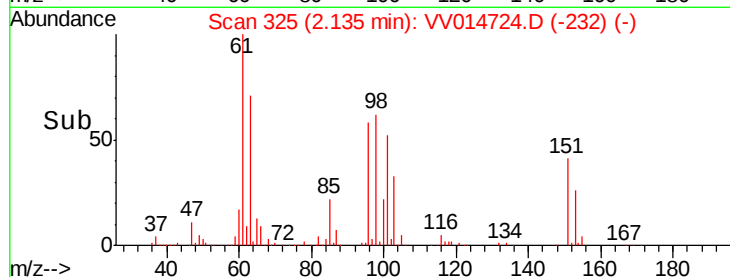
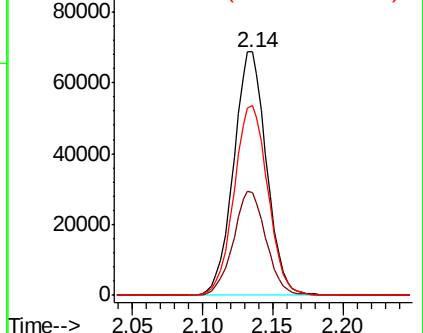
151 80.4 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): VV014724.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV014724.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV014724.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.180 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

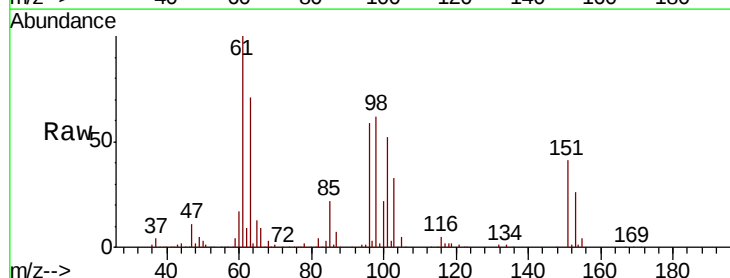
Tgt Ion: 96 Resp: 108488

Ion Ratio Lower Upper

96 100

61 170.9 121.3 225.3

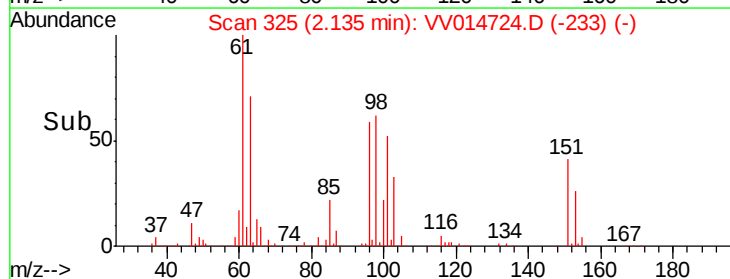
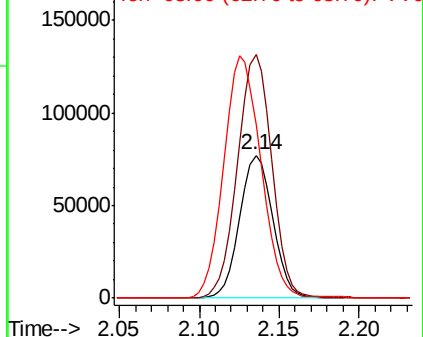
63 121.8 81.6 151.6

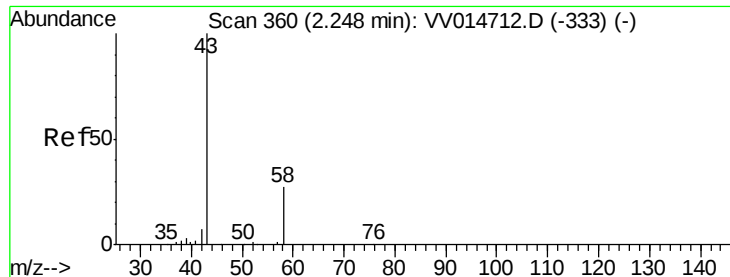


Abundance Ion 96.00 (95.70 to 96.70): VV014724.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV014724.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014724.D (-233) (-)





#13

Acetone

Concen: 44.077 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

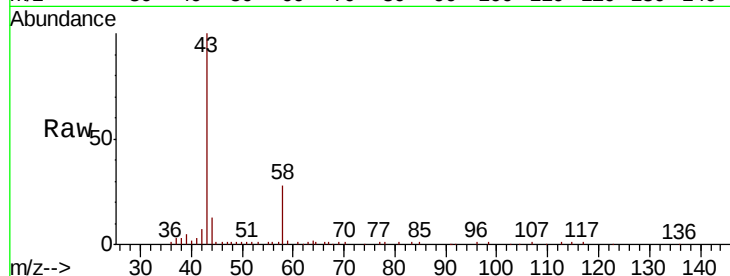
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 159529

Ion Ratio Lower Upper

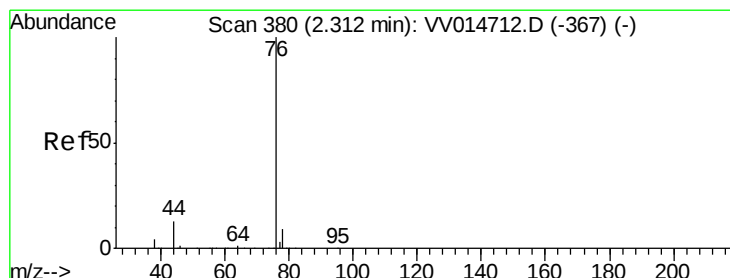
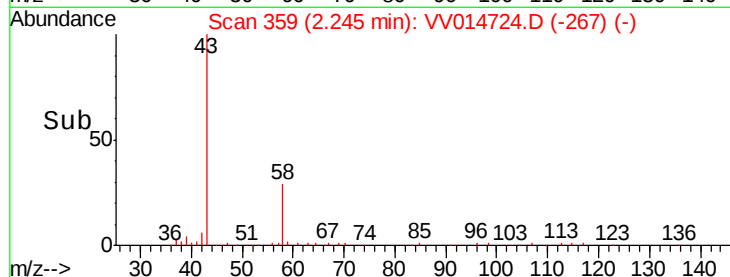
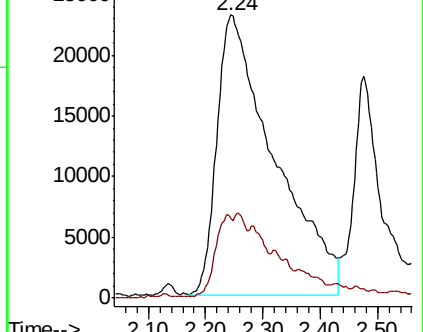
43 100

58 8.9 0.0 20.0



Abundance Ion 43.05 (42.75 to 43.75): VV014712.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014712.D (-333) (-)



#14

Carbon disulfide

Concen: 4.616 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV014724.D

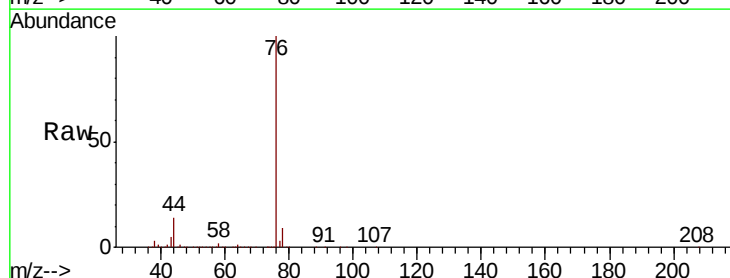
Acq: 02 Mar 2020 10:02

Tgt Ion: 76 Resp: 329619

Ion Ratio Lower Upper

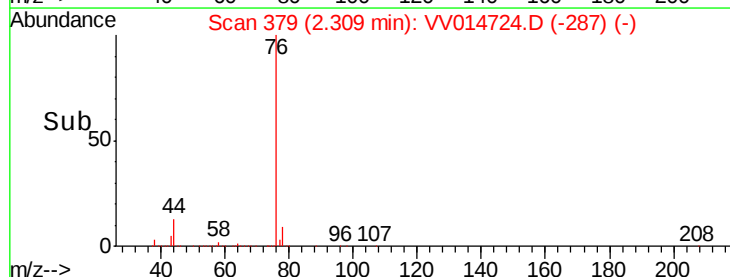
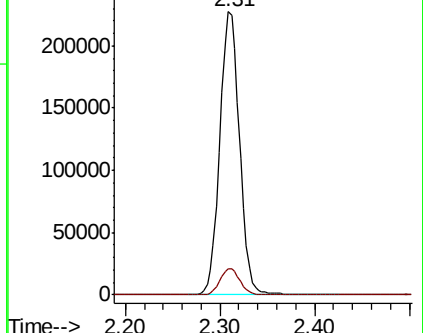
76 100

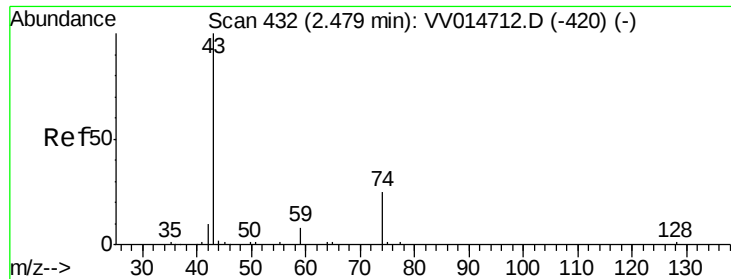
78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV014712.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014712.D (-367) (-)

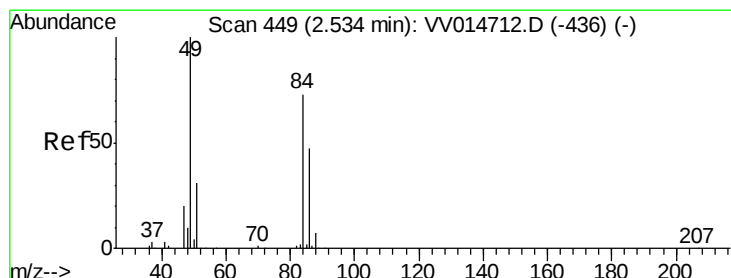
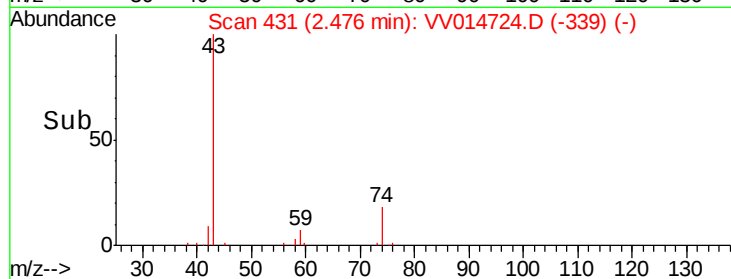
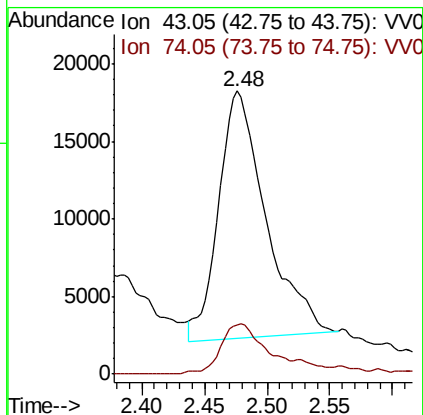
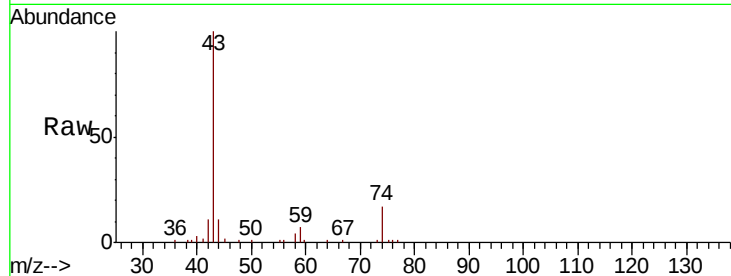




#15
Methyl Acetate
Concen: 4.539 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

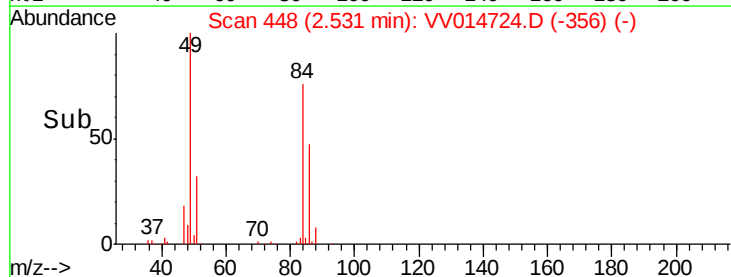
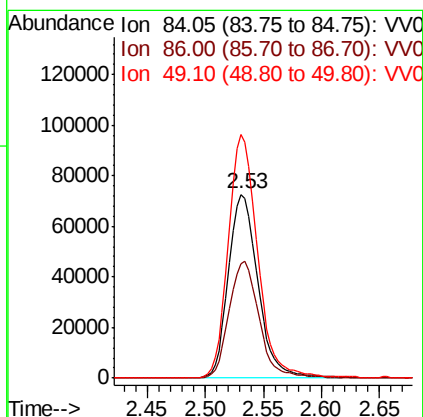
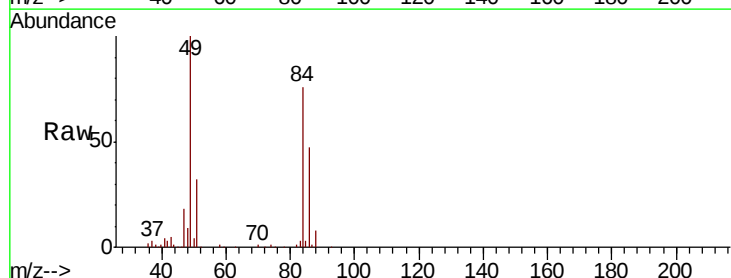
Instrument :
MSVOA_V
ClientSampled :

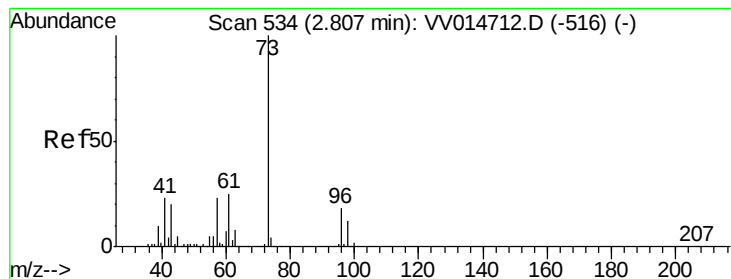
Tot Ion: 43 Resp: 41689
Ion Ratio Lower Upper
43 100
74 19.3 14.8 22.2



#16
Methylene chloride
Concen: 4.906 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion: 84 Resp: 128510
Ion Ratio Lower Upper
84 100
86 62.1 44.9 83.5
49 132.3 95.6 177.6



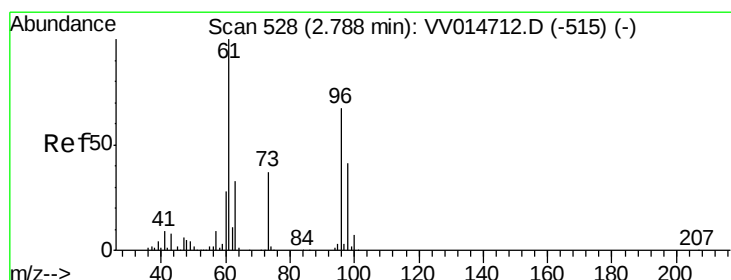
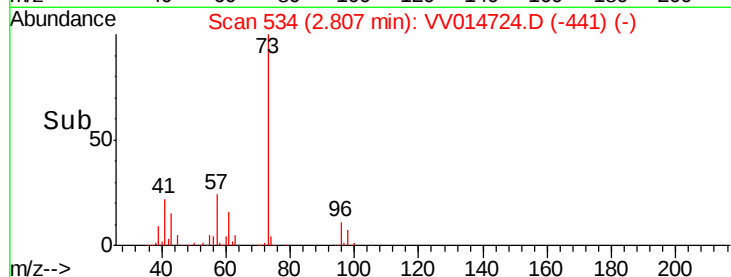
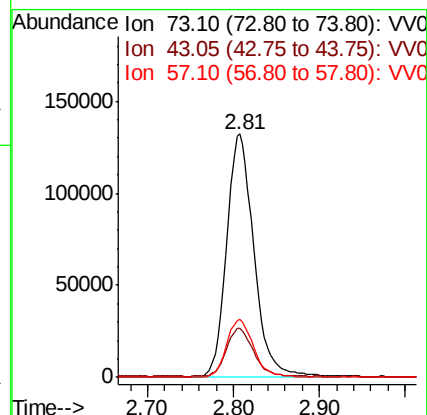
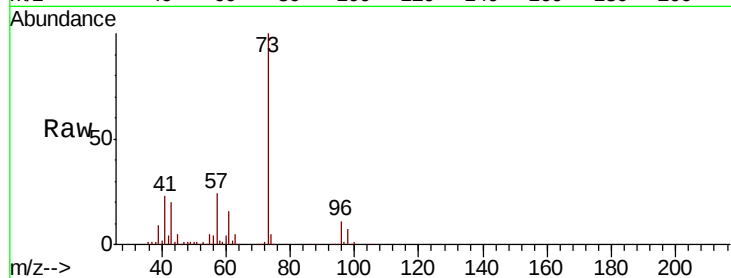


#17

Methvl tert-butvl Ether
 Concen: 5.153 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

Instrument :
 MSVOA_V
 ClientSampleId :

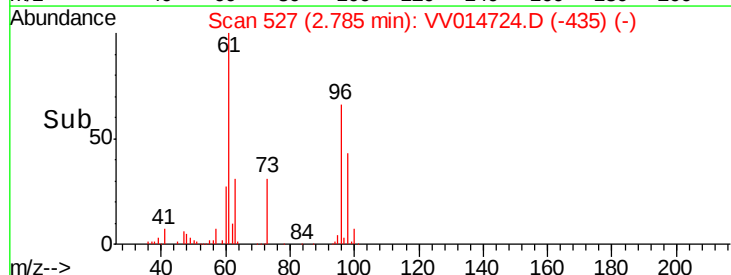
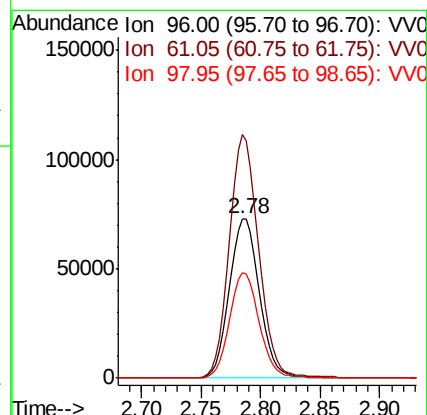
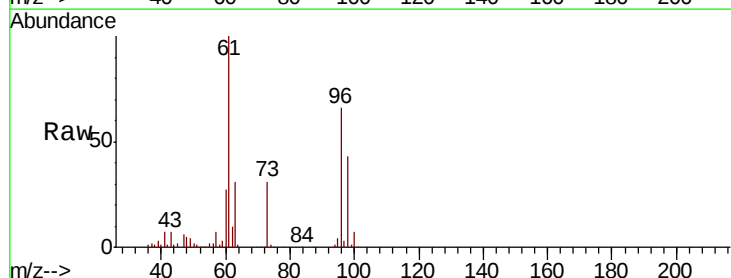
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.5	16.0	24.0
57	23.5	18.4	27.6

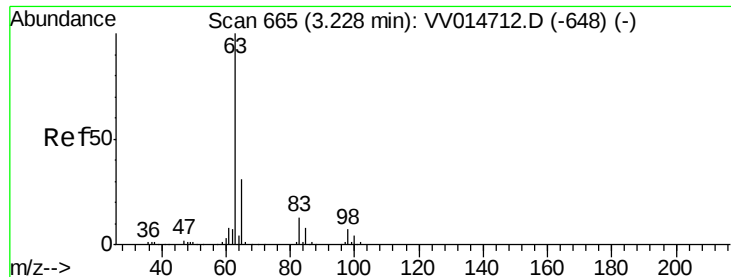


#18

trans-1,2-Dichloroethene
 Concen: 5.065 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	104.9	194.9
98	65.8	42.9	79.7





#19

1,1-Dichloroethane

Concen: 5.118 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.01 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

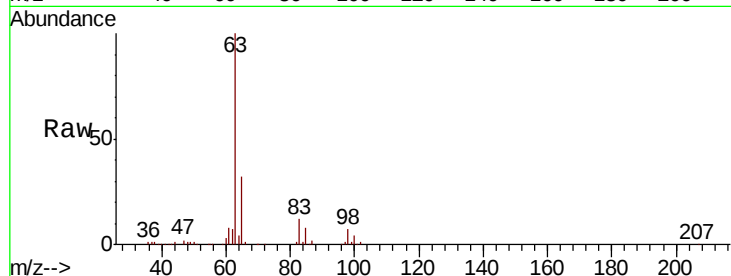
Tot Ion: 63 Resp: 253480

Ion Ratio Lower Upper

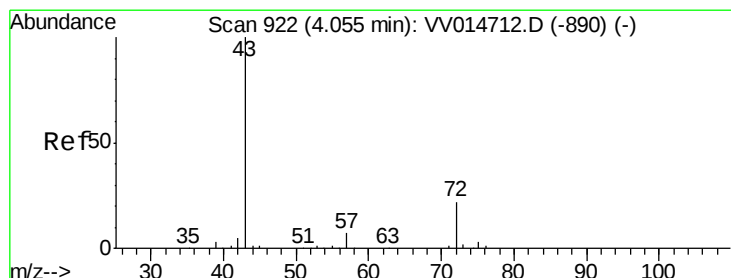
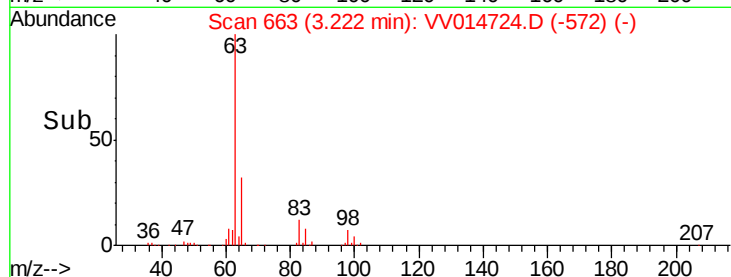
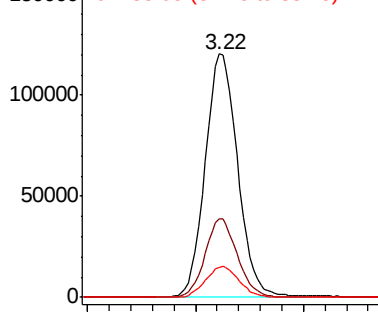
63 100

65 32.4 21.9 40.7

83 12.5 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.458 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.00 min

Lab File: VV014724.D

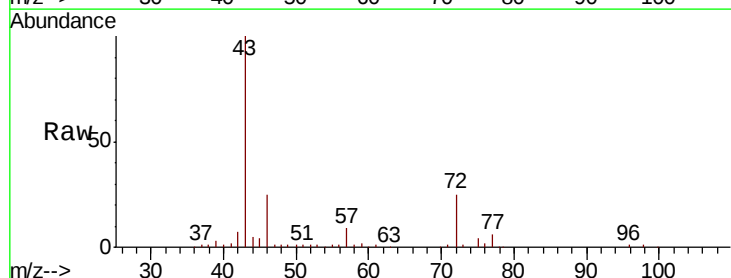
Acq: 02 Mar 2020 10:02

Tgt Ion: 43 Resp: 316972

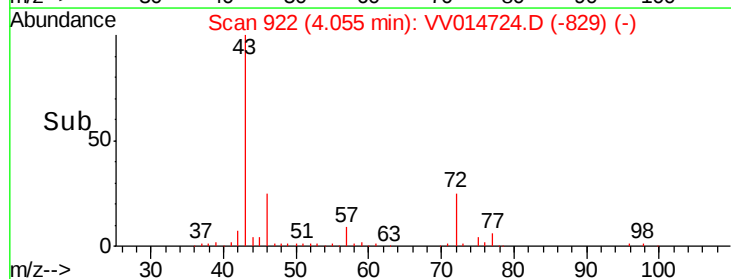
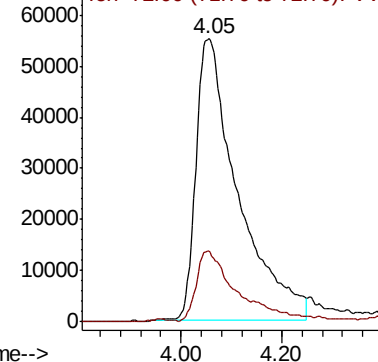
Ion Ratio Lower Upper

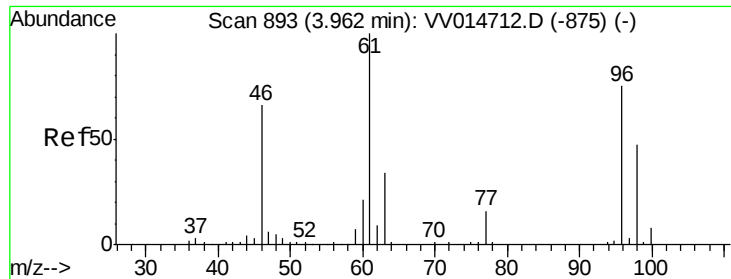
43 100

72 19.5 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



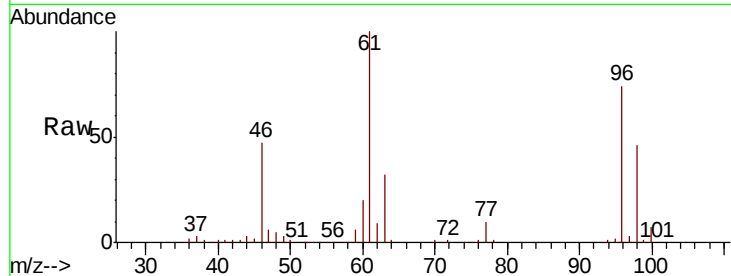


#22

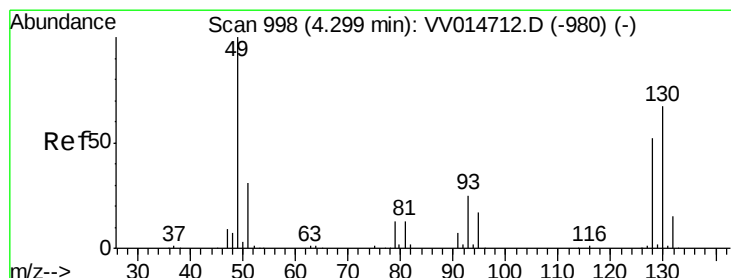
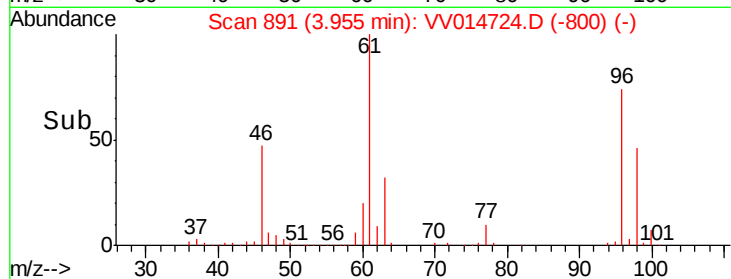
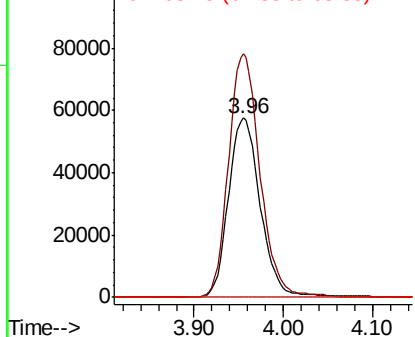
cis-1,2-Dichloroethene
Concen: 5.241 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.01 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 141842
Ion Ratio Lower Upper
96 100
61 135.8 93.3 173.3
68 0.0 0.0 0.0



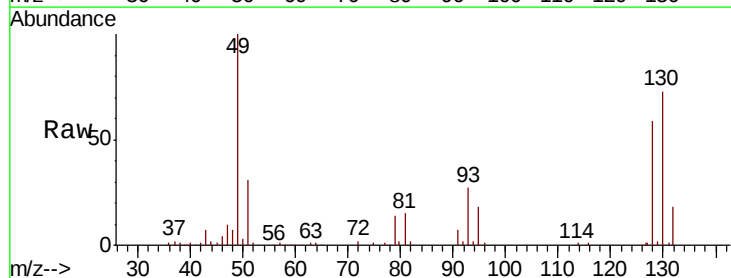
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



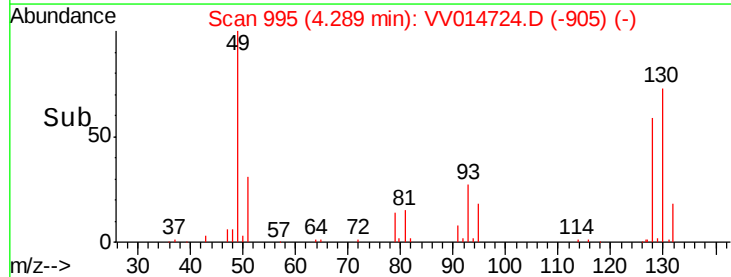
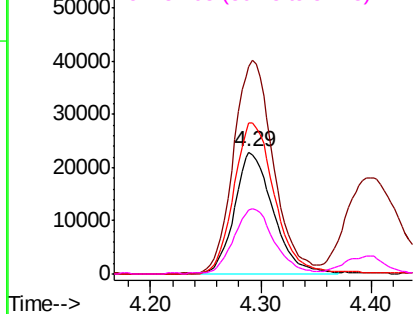
#23

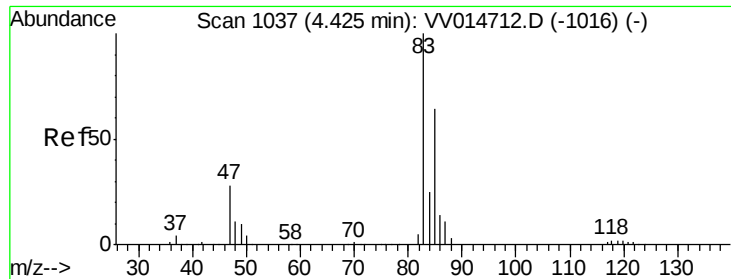
Bromochloromethane
Concen: 5.140 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.01 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion: 128 Resp: 55828
Ion Ratio Lower Upper
128 100
49 170.5 136.2 252.9
130 123.8 90.3 167.7
51 52.5 47.9 71.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

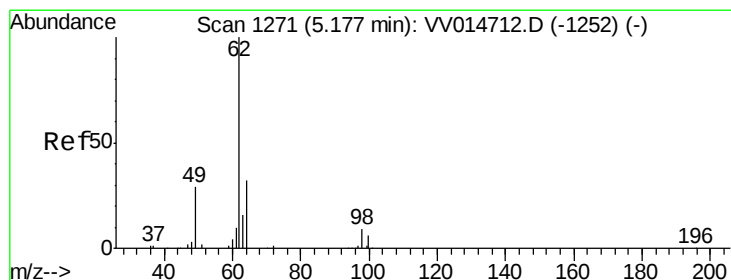
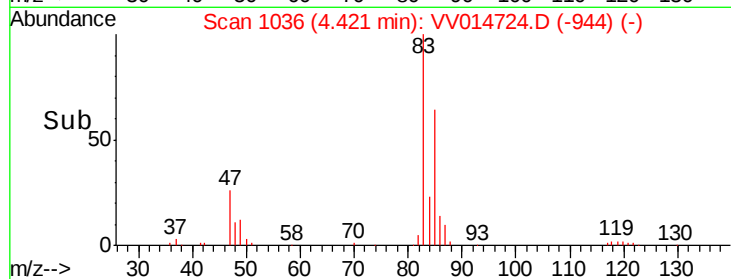
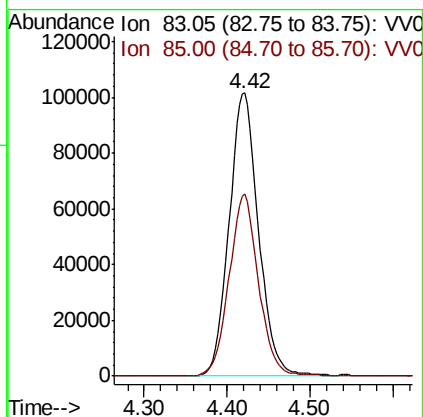
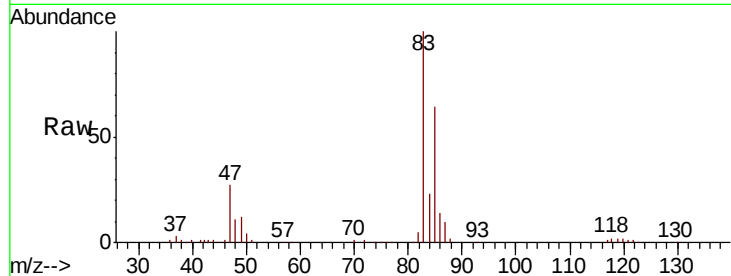




#25
Chloroform
Concen: 5.169 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

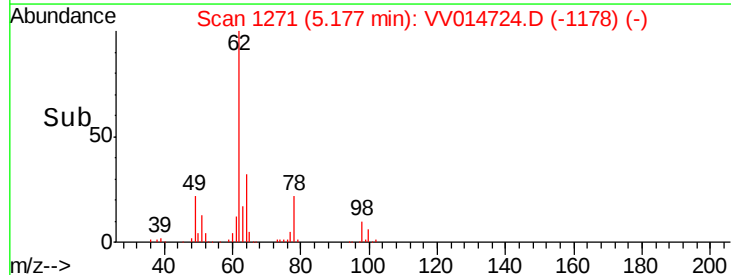
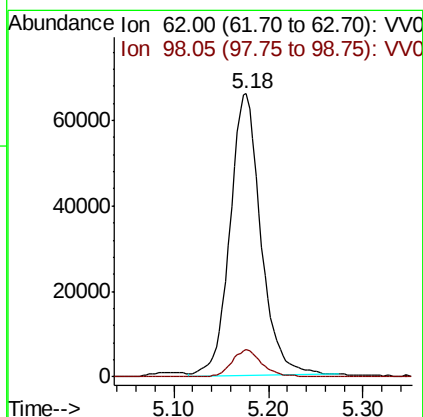
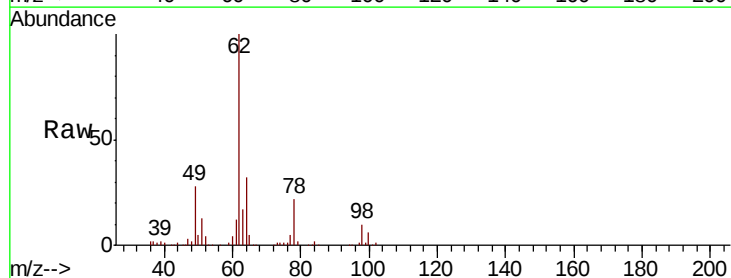
Instrument :
MSVOA_V
ClientSampled :

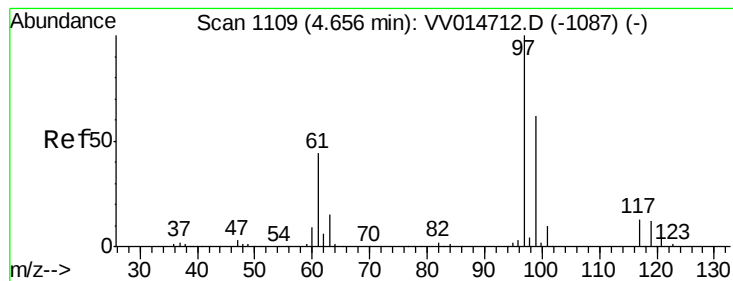
Tot Ion: 83 Resp: 251262
Ion Ratio Lower Upper
83 100
85 64.3 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.026 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion: 62 Resp: 149593
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.262 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampled :

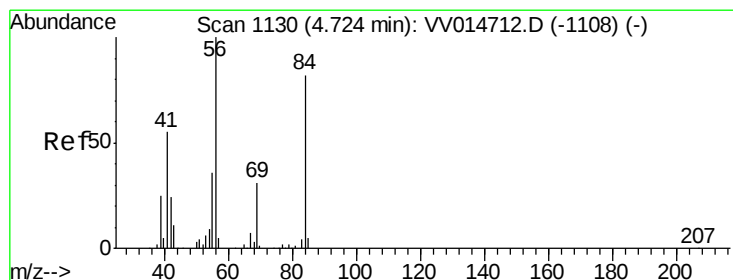
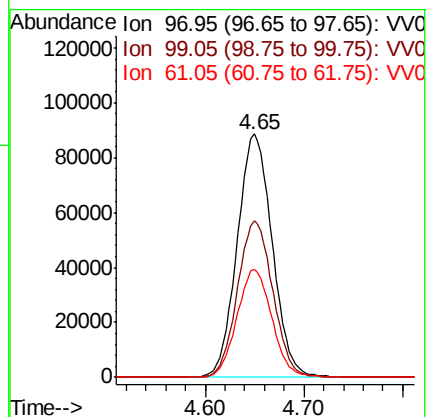
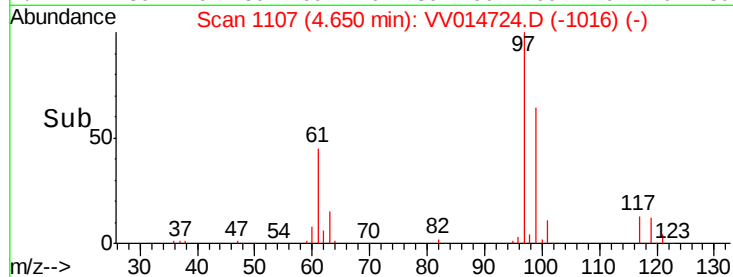
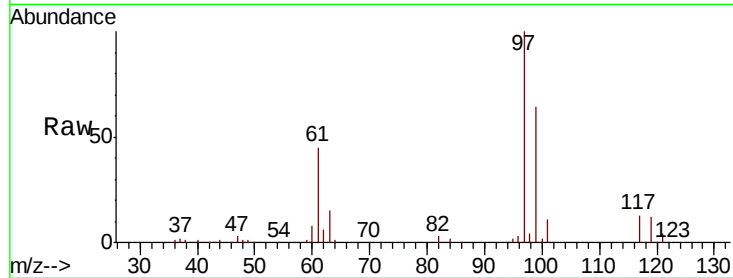
Tot Ion: 97 Resp: 218585

Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 44.2 36.3 54.5



#30

Cyclohexane

Concen: 5.176 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

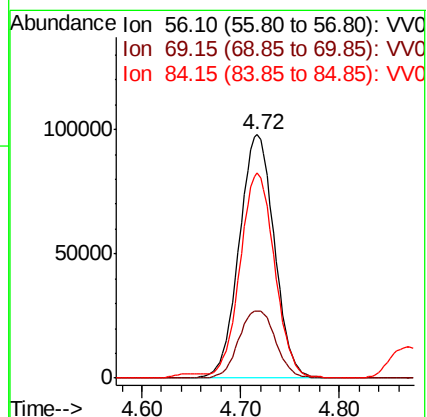
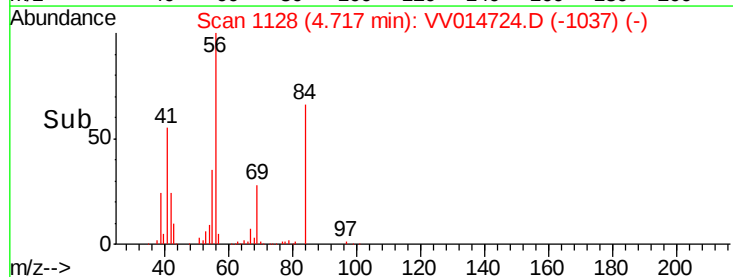
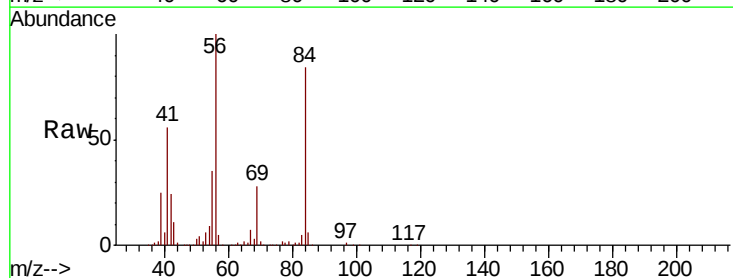
Tgt Ion: 56 Resp: 242048

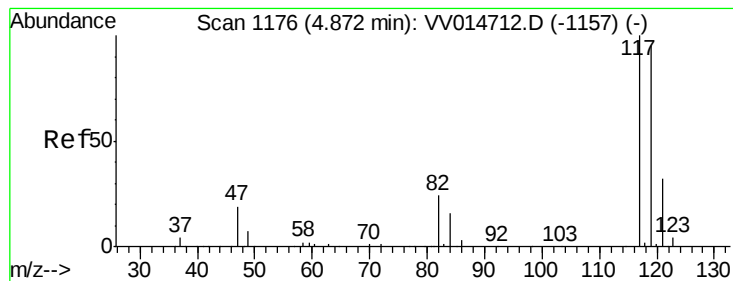
Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.2

84 82.7 66.3 99.5





#31

Carbon tetrachloride

Concen: 5.341 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

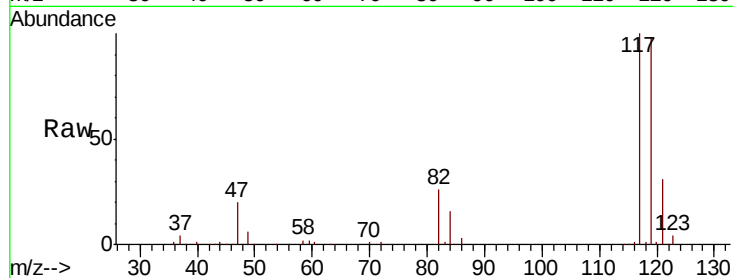
ClientSampleId :

Tot Ion:117 Resp: 191115

Ion Ratio Lower Upper

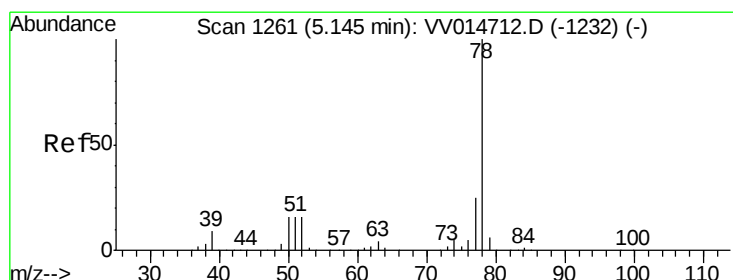
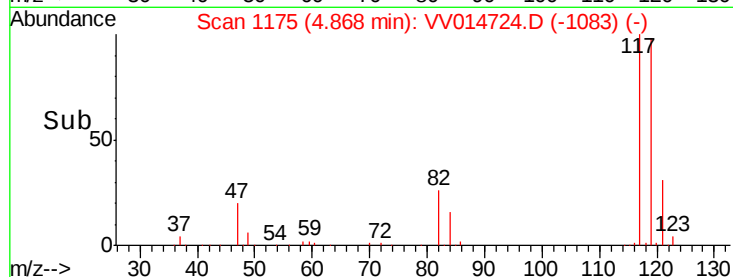
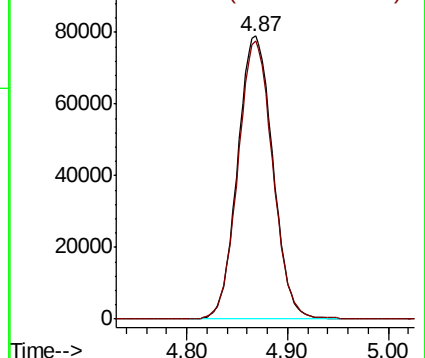
117 100

119 96.8 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: 5.269 ug/L

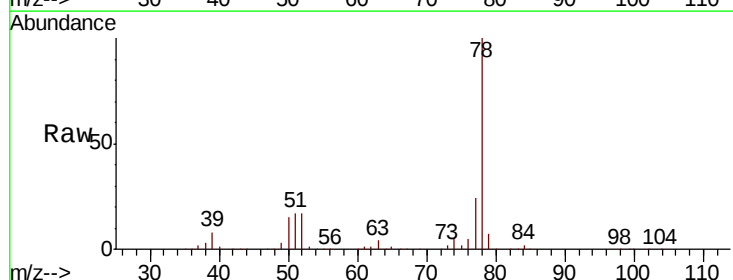
RT: 5.14 min Scan# 1259

Delta R.T. -0.01 min

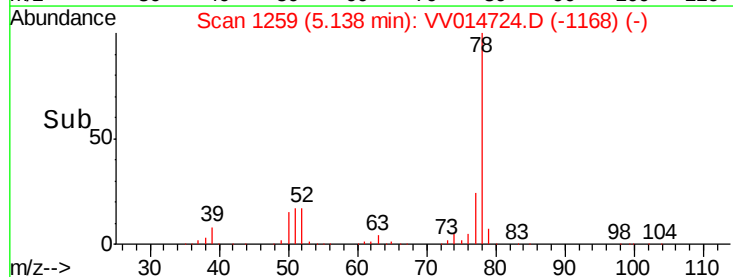
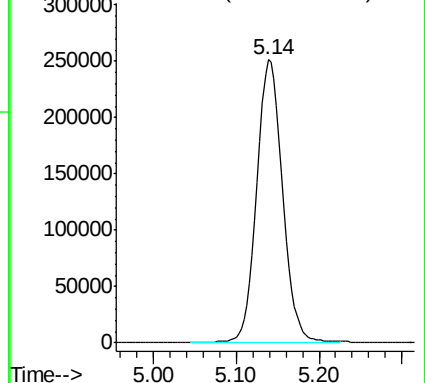
Lab File: VV014724.D

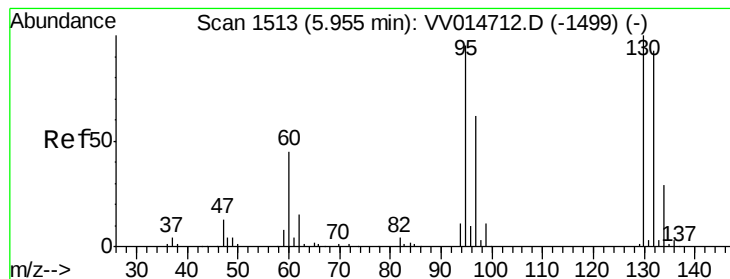
Acq: 02 Mar 2020 10:02

Tgt Ion: 78 Resp: 545170



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.232 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 141786

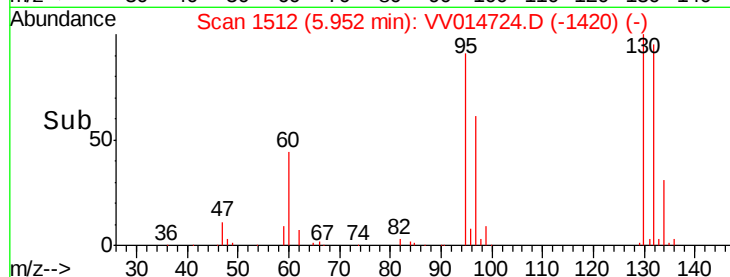
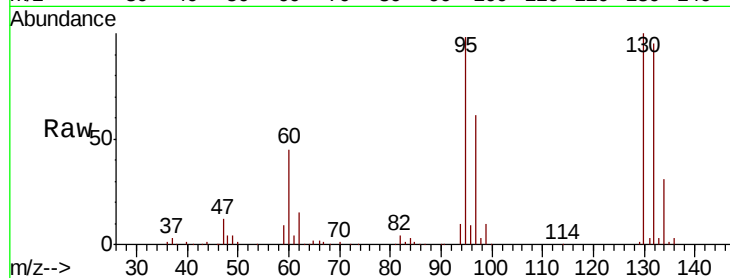
Ion Ratio Lower Upper

95 100

97 62.0 45.8 85.0

132 97.7 68.7 127.5

130 102.4 74.1 137.5

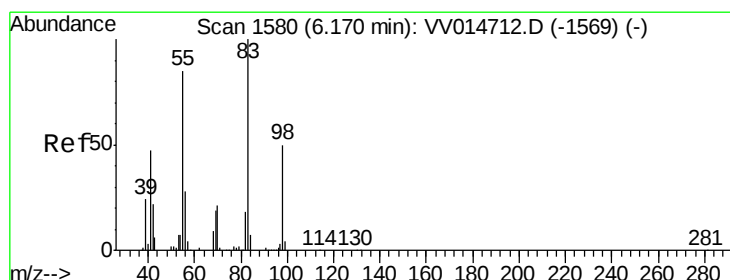
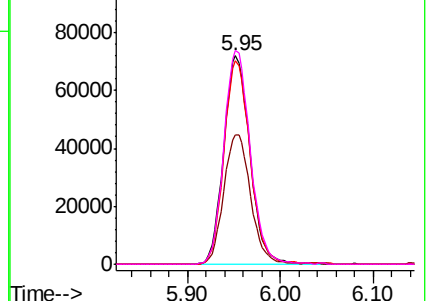


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.306 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

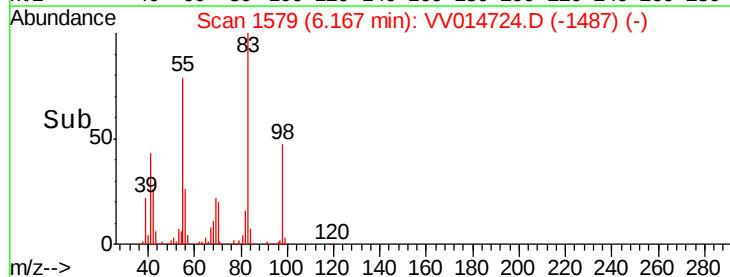
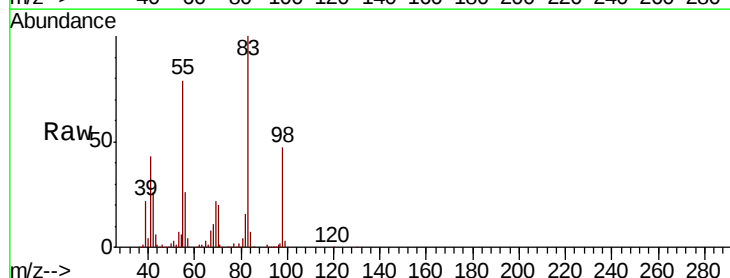
Tgt Ion: 83 Resp: 244589

Ion Ratio Lower Upper

83 100

55 80.0 64.6 96.8

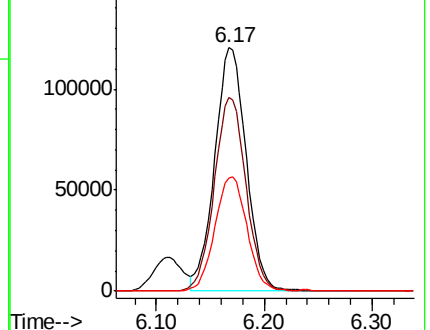
98 48.0 37.8 56.8

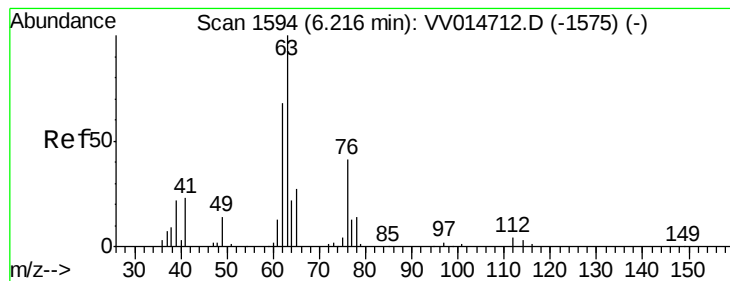


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.200 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

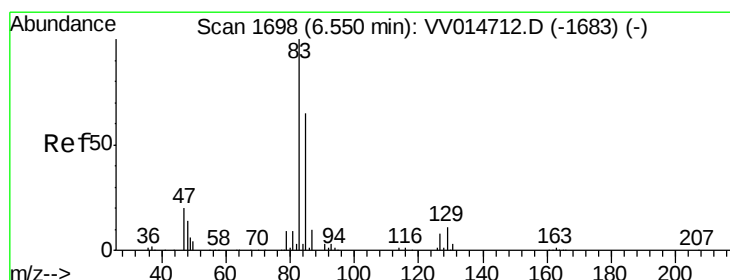
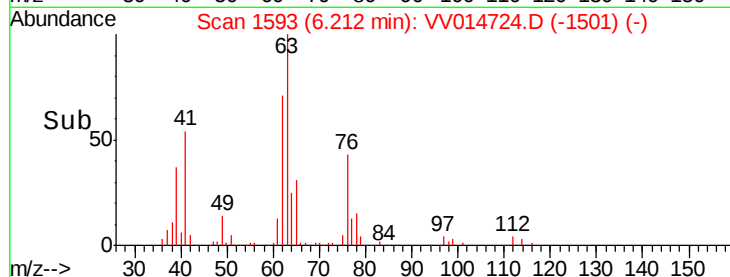
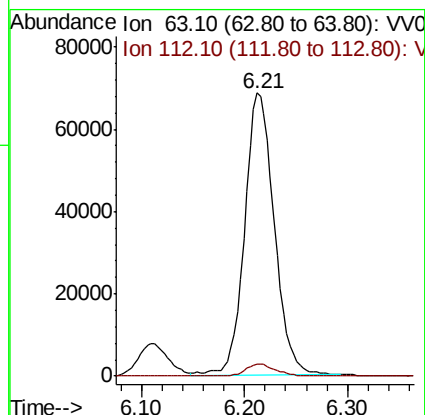
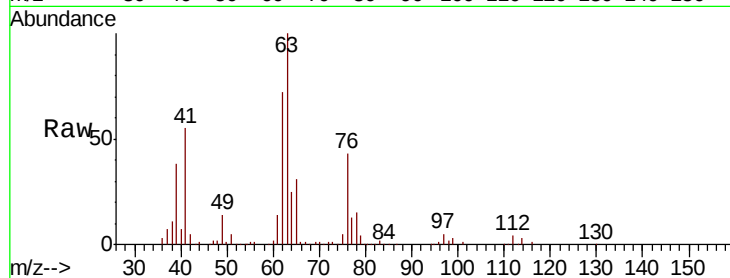
ClientSampleId :

Tot Ion: 63 Resp: 137437

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



#38

Bromodichloromethane

Concen: 5.328 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

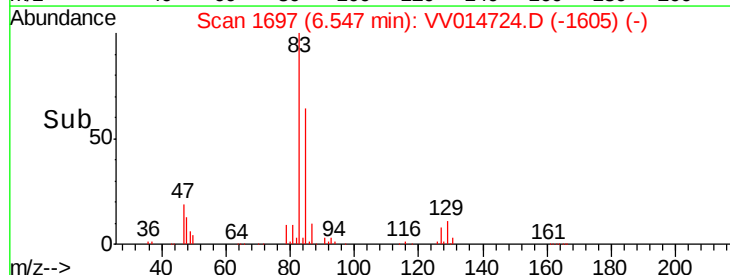
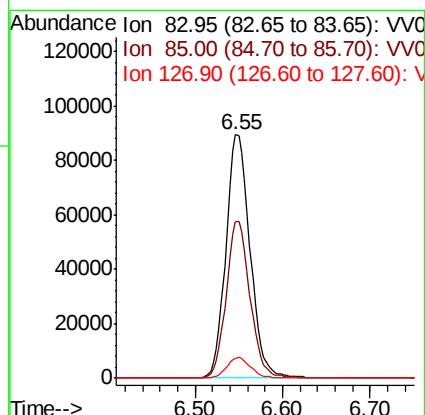
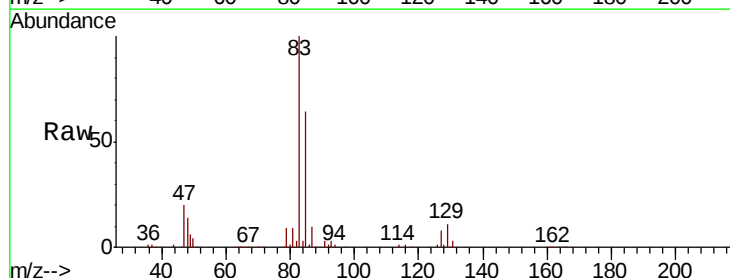
Tgt Ion: 83 Resp: 171767

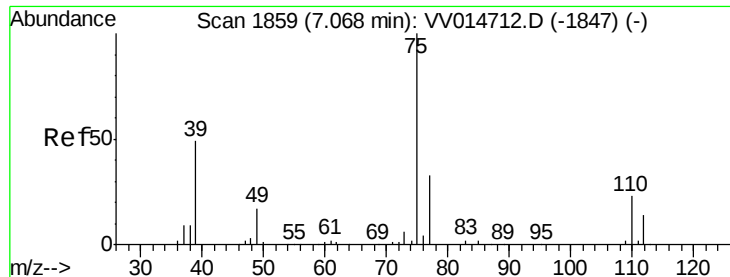
Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0

127 8.2 6.6 10.0

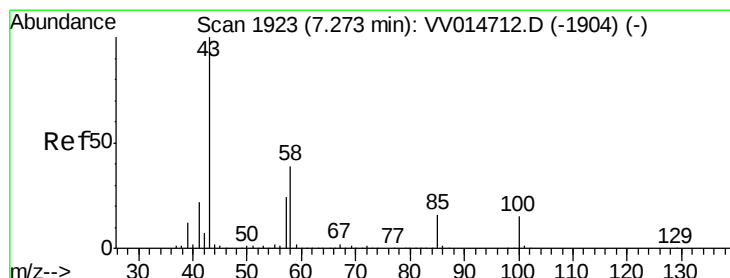
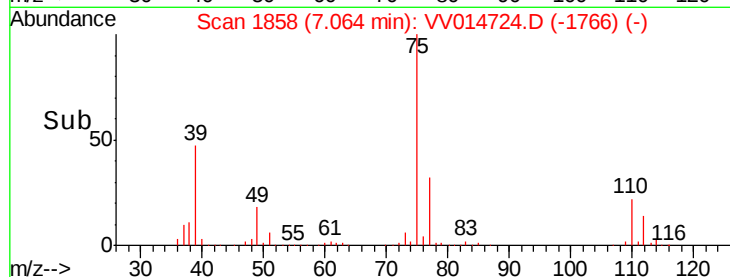
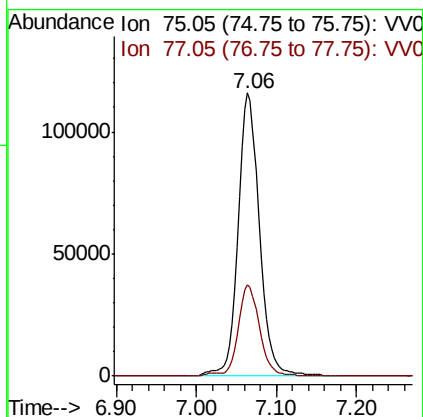
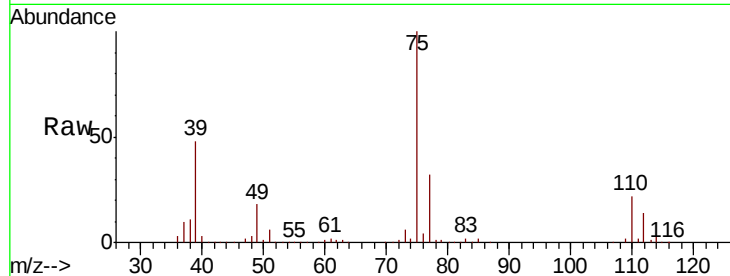




#39
 cis-1,3-Dichloropropene
 Concen: 5.441 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

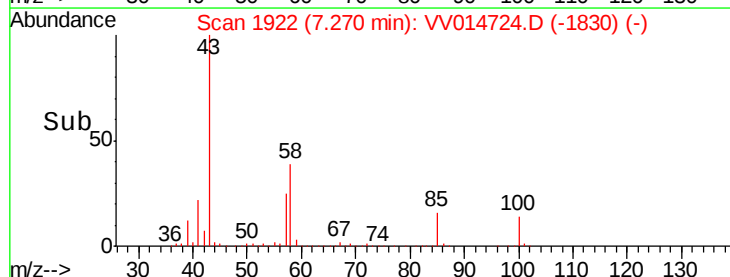
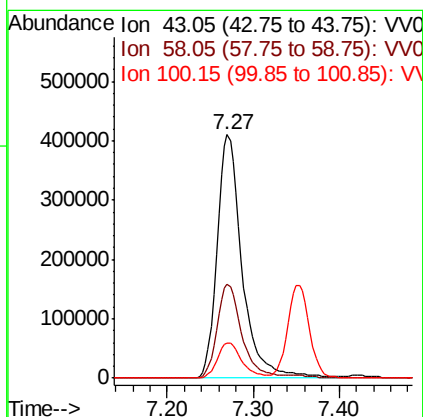
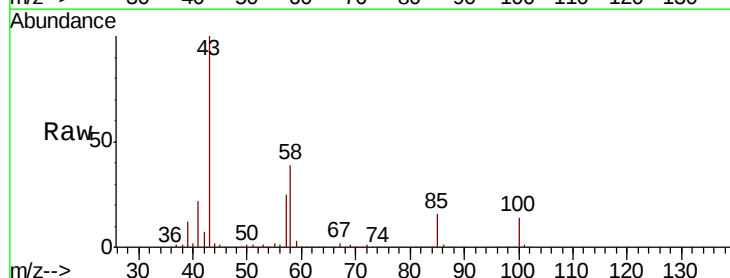
Instrument :
 MSVOA_V
 ClientSampleId :

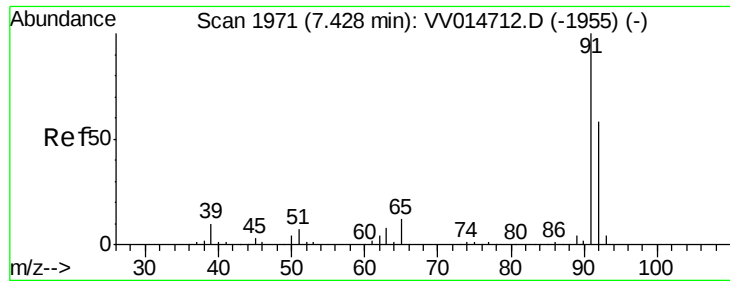
Tot Ion: 75 Resp: 208338
 Ion Ratio Lower Upper
 75 100
 77 32.4 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 52.357 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

Tgt Ion: 43 Resp: 828625
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.2 45.2
 100 14.2 11.2 16.8





#42

Toluene

Concen: 5.374 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

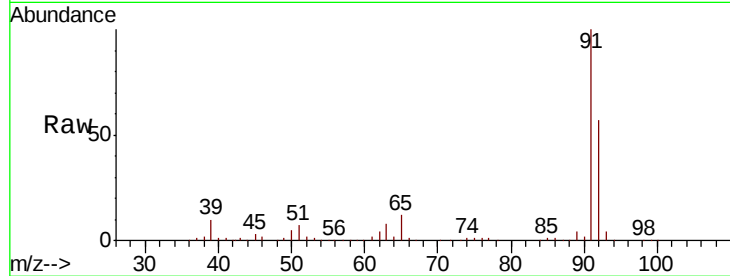
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 588854

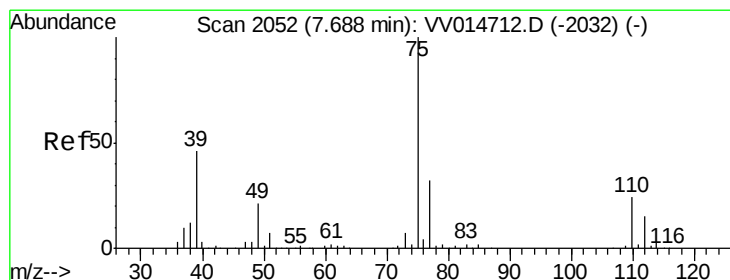
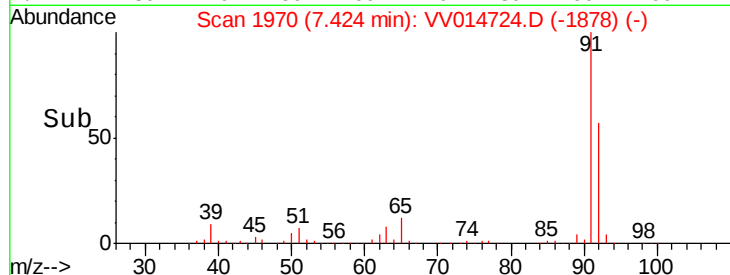
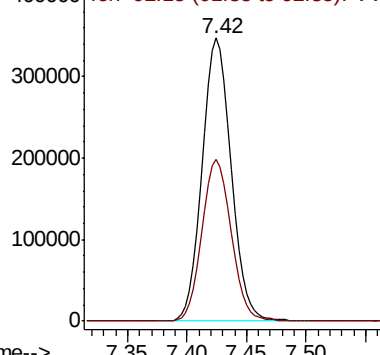
Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.536 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014724.D

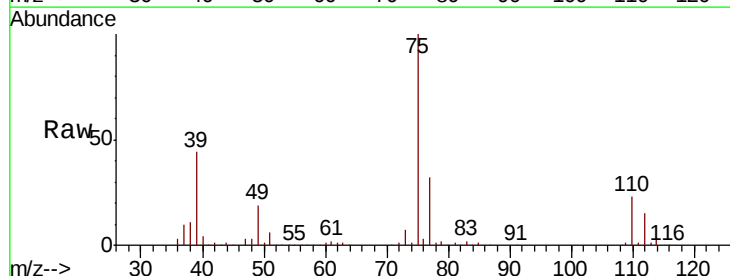
Acq: 02 Mar 2020 10:02

Tgt Ion: 75 Resp: 164466

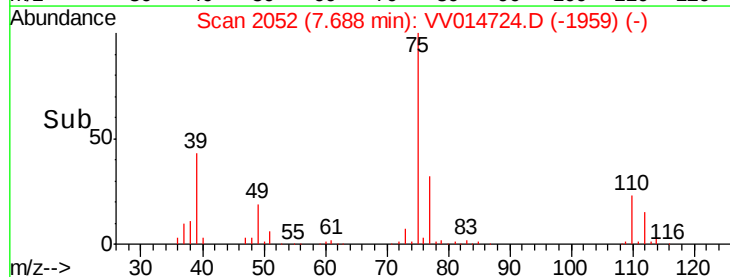
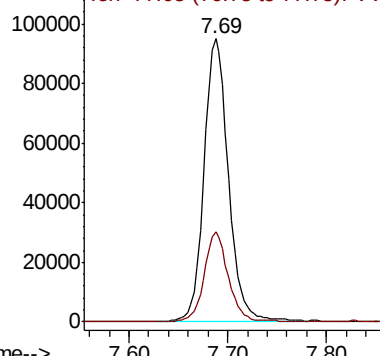
Ion Ratio Lower Upper

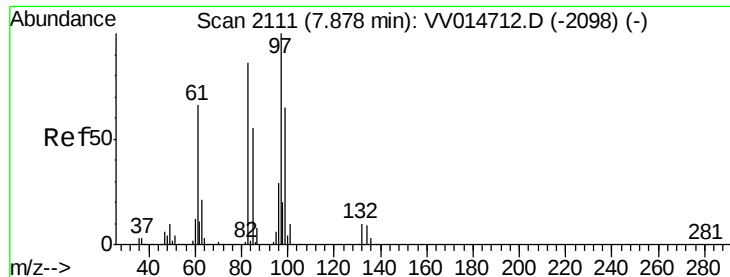
75 100

77 31.7 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

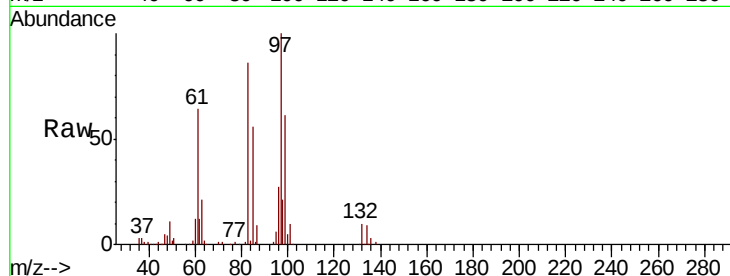




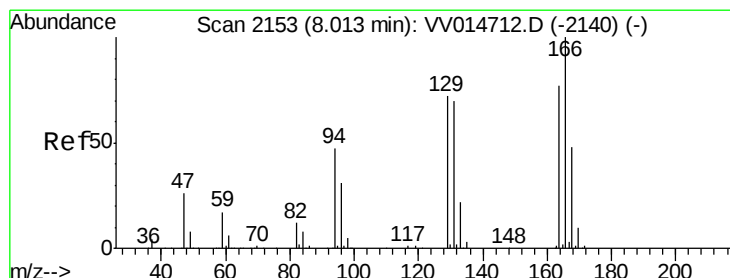
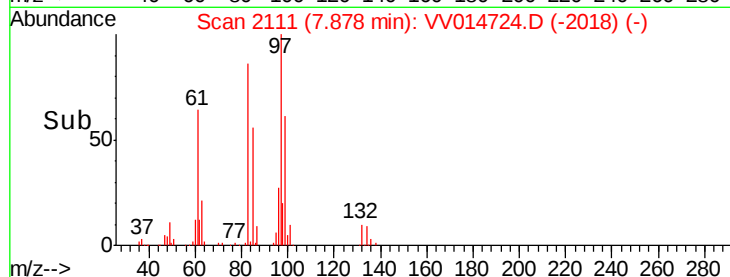
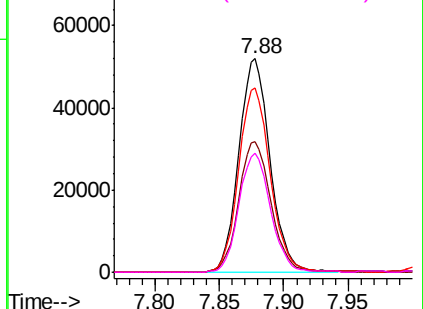
#45
1,1,2-Trichloroethane
Concen: 5.207 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	87874
Ion	Ratio	Lower	Upper
97	100		
99	61.2	45.4	84.4
83	86.4	59.8	111.1
85	55.6	38.3	71.1

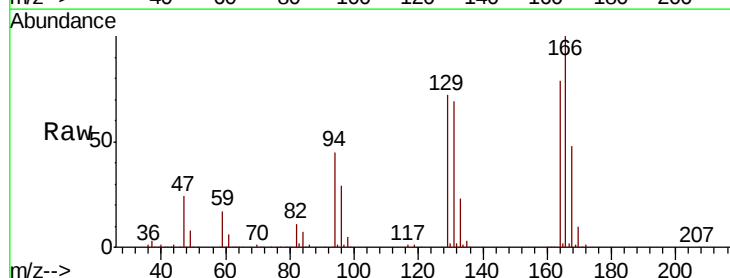


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

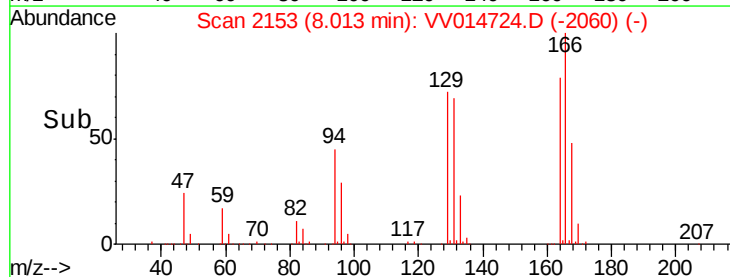
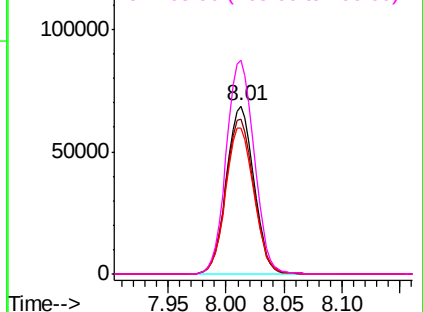


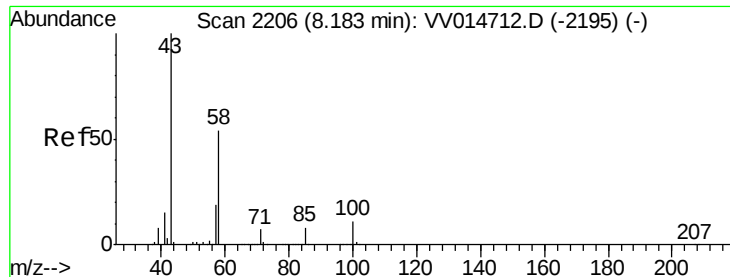
#47
Tetrachloroethene
Concen: 5.224 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion:	164	Resp:	113208
Ion	Ratio	Lower	Upper
164	100		
129	92.0	65.9	122.5
131	87.2	64.0	119.0
166	127.3	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

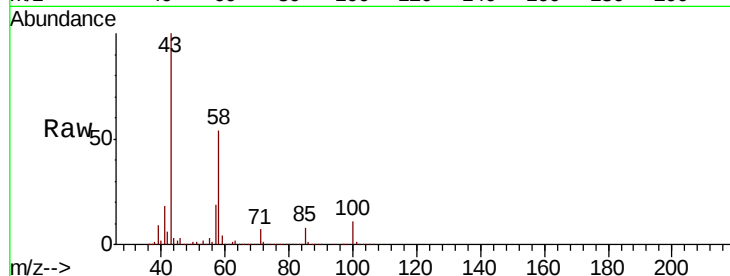




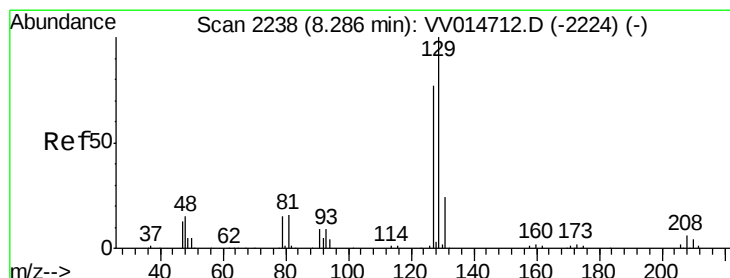
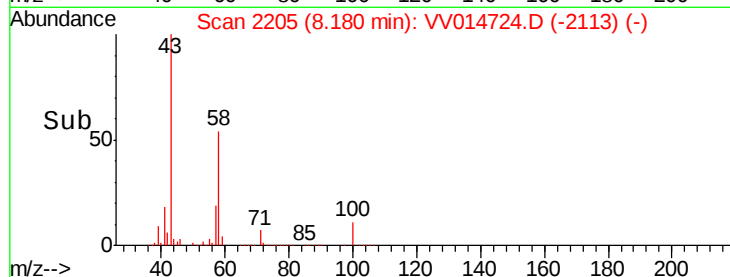
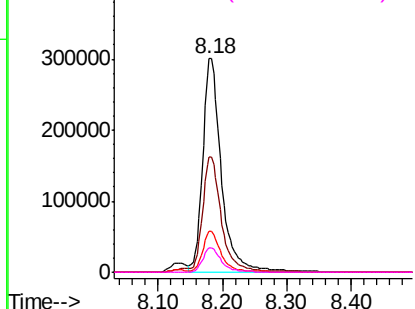
#48
2-Hexanone
Concen: 53.386 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.1	64.7
57	18.6	14.6	21.8
100	11.5	9.0	13.4

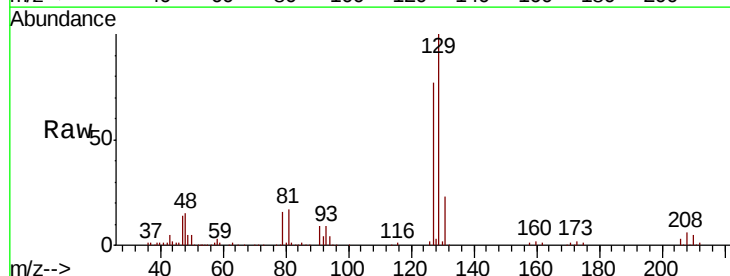


Abundance Ion 43.05 (42.75 to 43.75): VV014712.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV014712.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV014712.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV014712.D (-2195) (-)

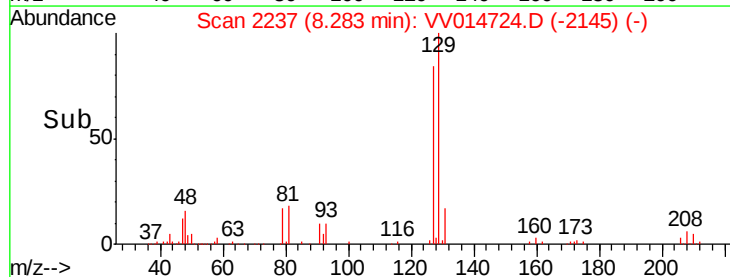
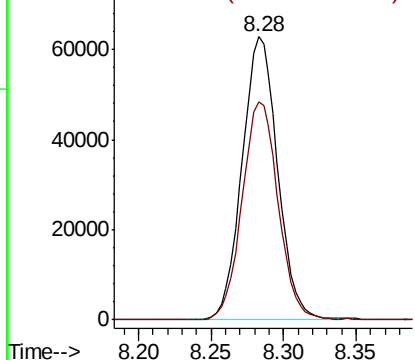


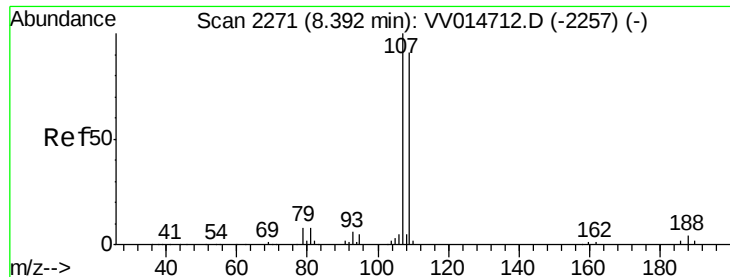
#49
Dibromochloromethane
Concen: 5.617 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV014712.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV014712.D (-2224) (-)

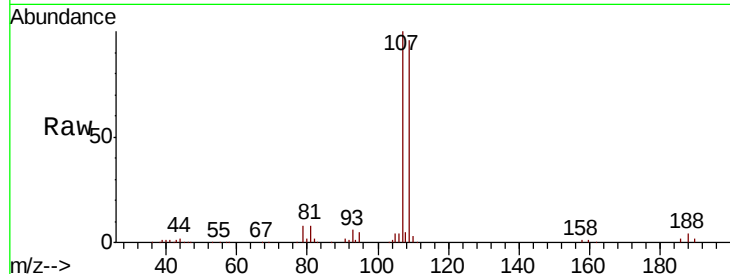




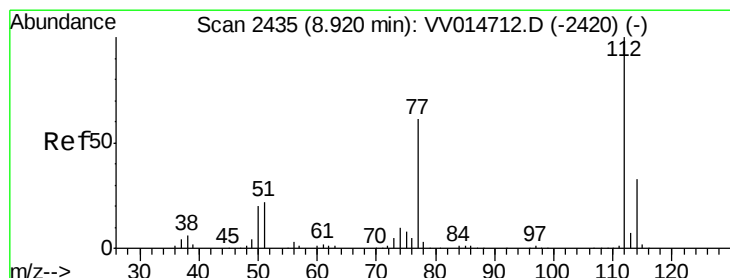
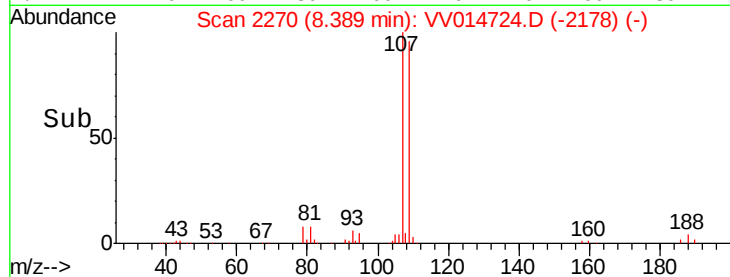
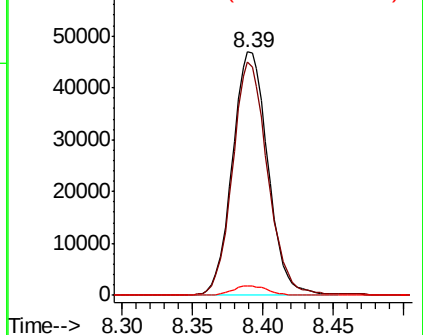
#50
1,2-Dibromoethane
Concen: 5.151 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 82973
Ion Ratio Lower Upper
107 100
109 95.9 63.6 118.2
188 3.9 3.1 4.7

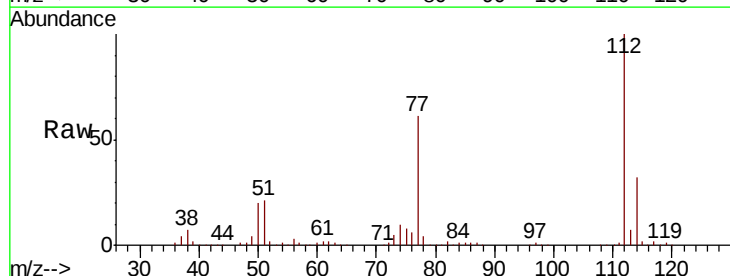


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

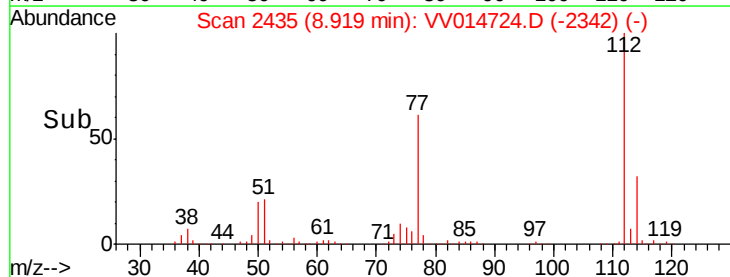
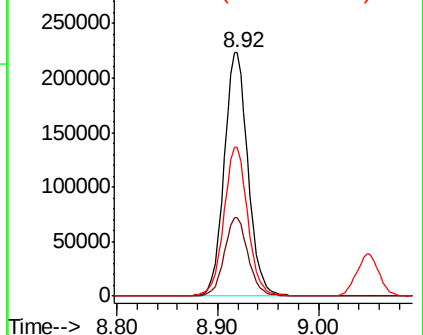


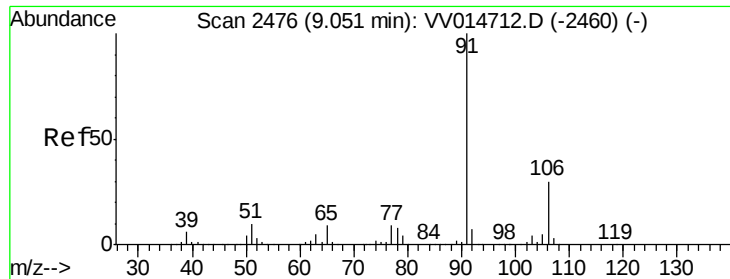
#51
Chlorobenzene
Concen: 5.301 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion:112 Resp: 367735
Ion Ratio Lower Upper
112 100
114 32.3 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): V





#52

Ethylbenzene

Concen: 5.328 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

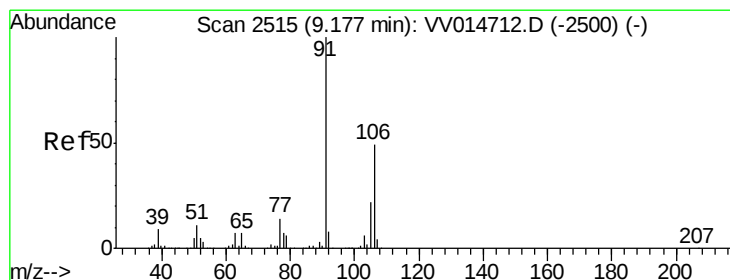
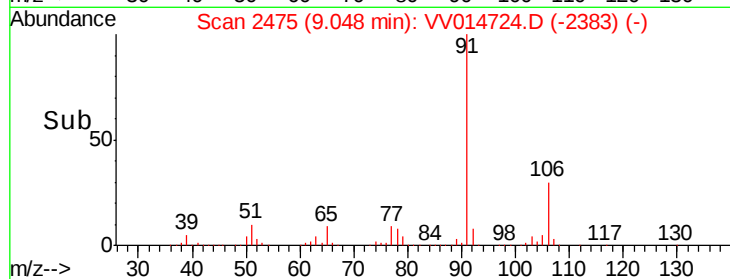
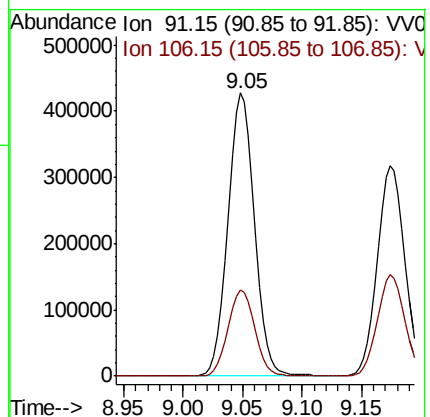
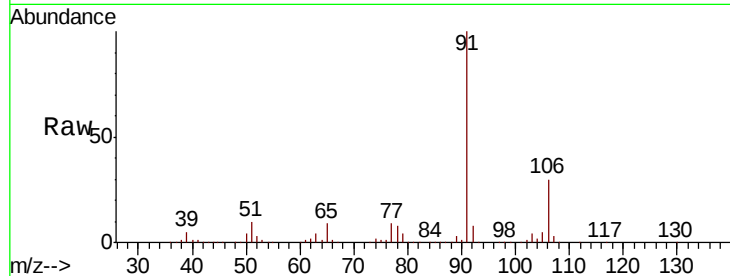
ClientSampled :

Tot Ion: 91 Resp: 661902

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#53

m,p-xylene

Concen: 5.425 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014724.D

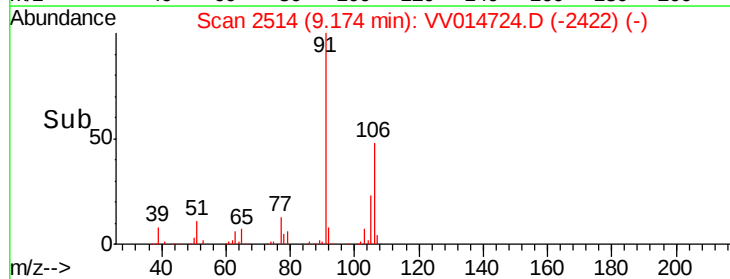
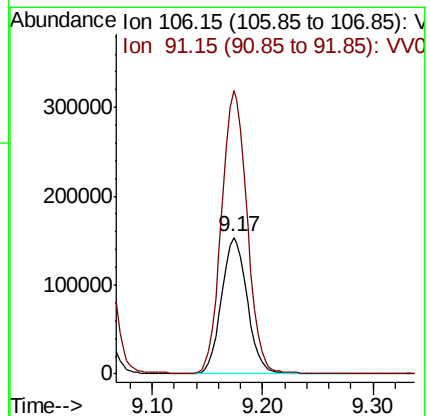
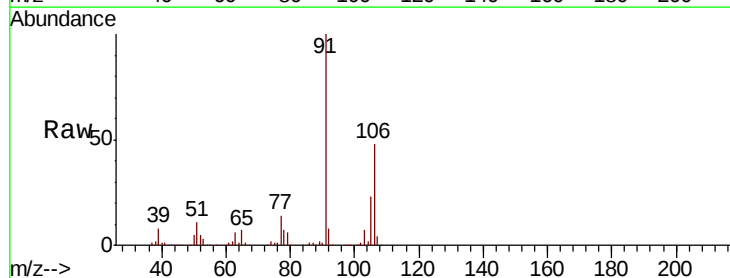
Acq: 02 Mar 2020 10:02

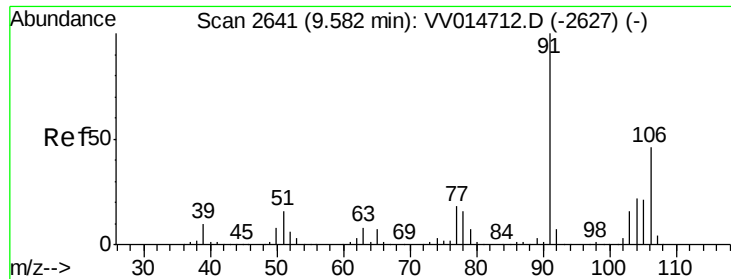
Tgt Ion: 106 Resp: 246746

Ion Ratio Lower Upper

106 100

91 207.5 142.5 264.6

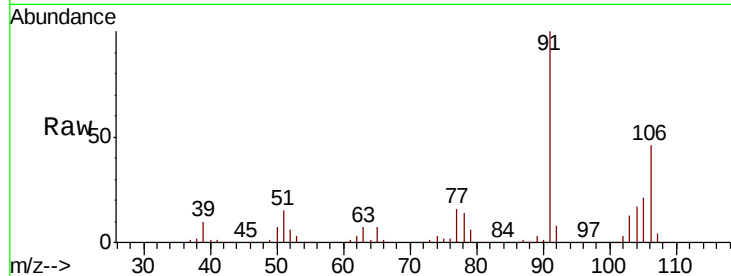




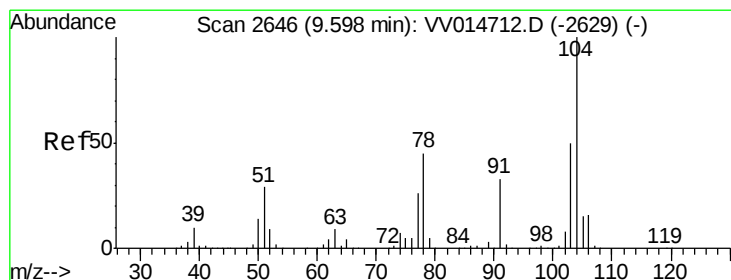
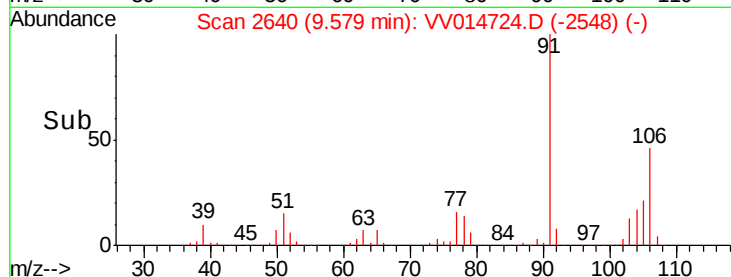
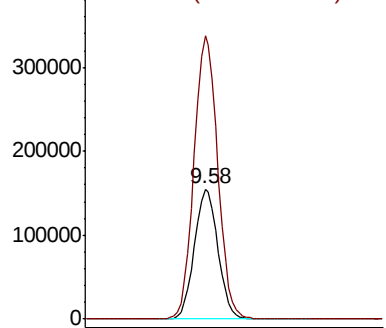
#54
o-xylene
Concen: 5.309 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 235067
Ion Ratio Lower Upper
106 100
91 217.8 150.9 280.3

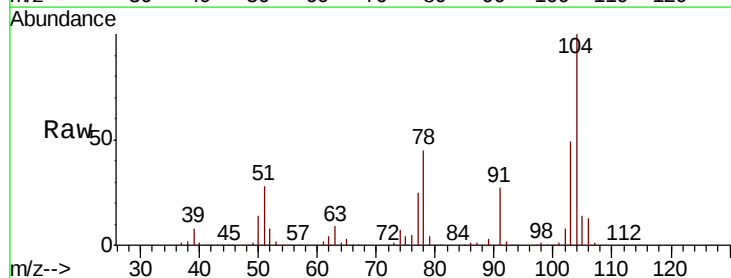


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

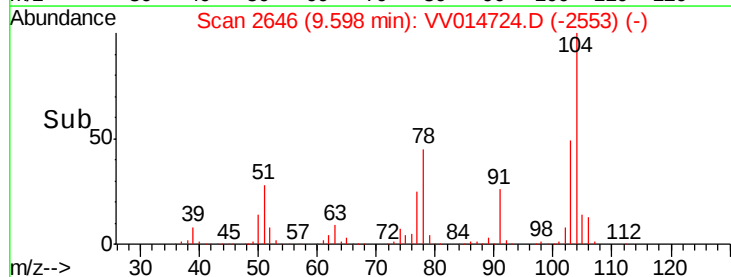
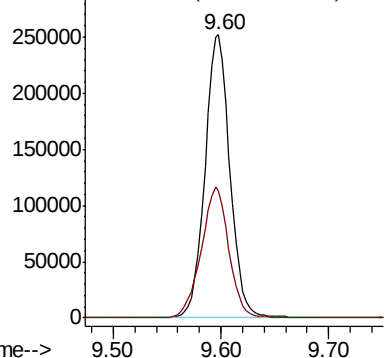


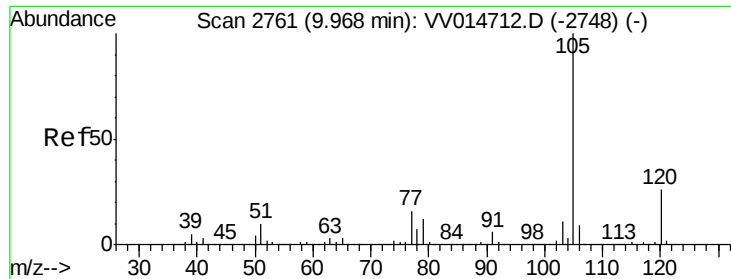
#55
Styrene
Concen: 5.462 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014724.D
Acq: 02 Mar 2020 10:02

Tgt Ion:104 Resp: 406277
Ion Ratio Lower Upper
104 100
78 45.1 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: 5.464 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :
MSVOA_V
ClientSampleId :

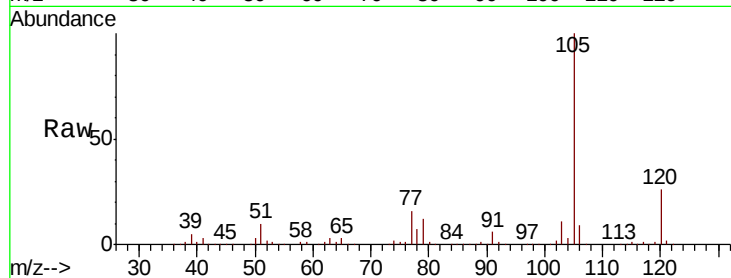
Tot Ion:105 Resp: 653496

Ion Ratio Lower Upper

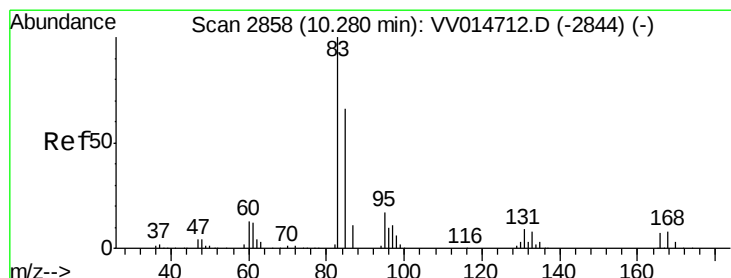
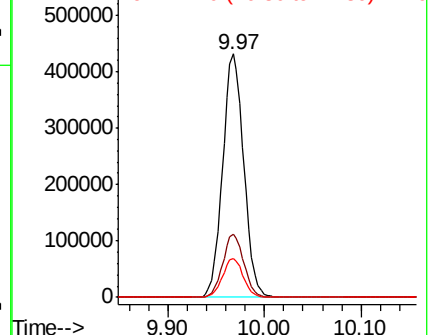
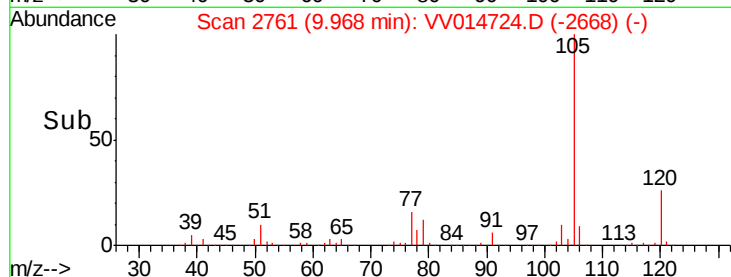
105 100

120 25.7 20.6 31.0

77 15.6 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.290 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

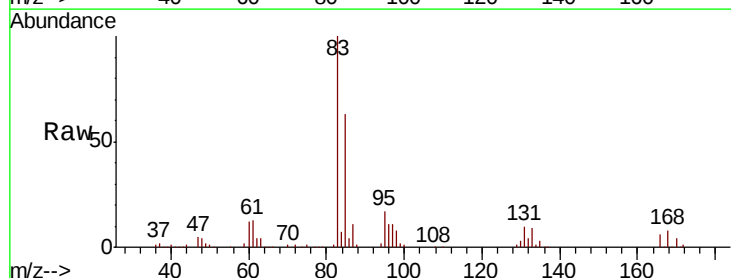
Tgt Ion: 83 Resp: 111615

Ion Ratio Lower Upper

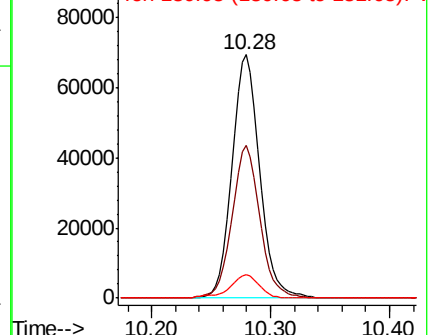
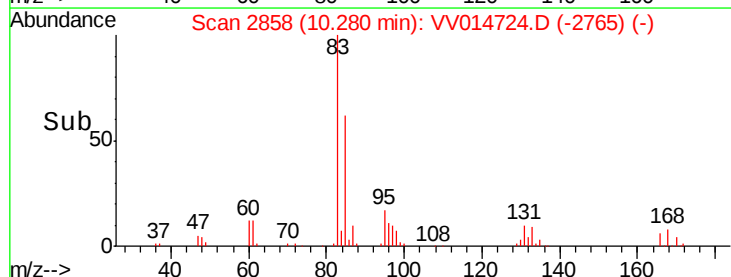
83 100

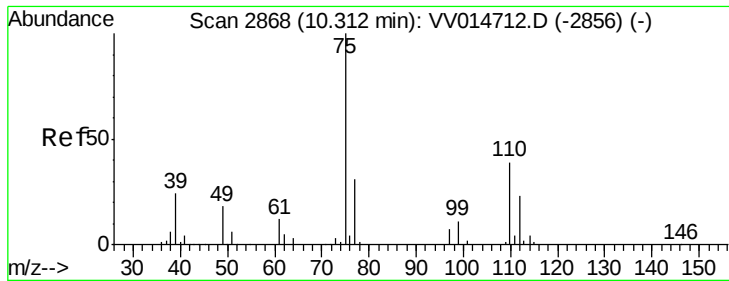
85 62.7 46.1 85.7

131 9.5 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V

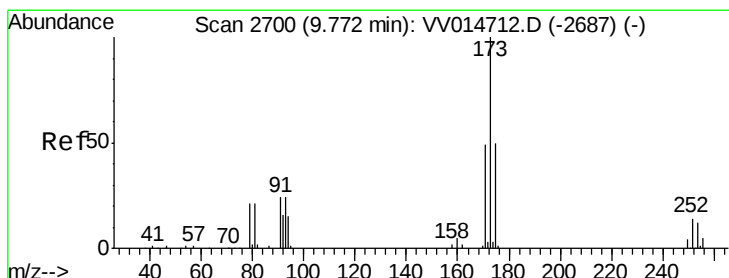
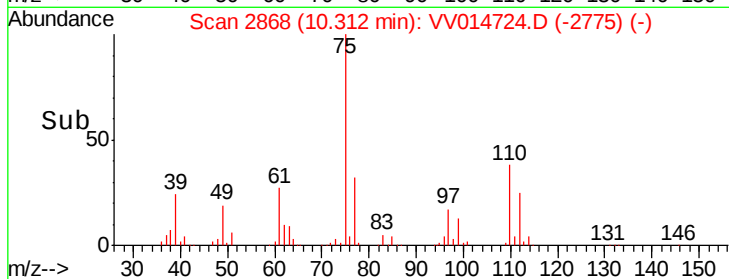
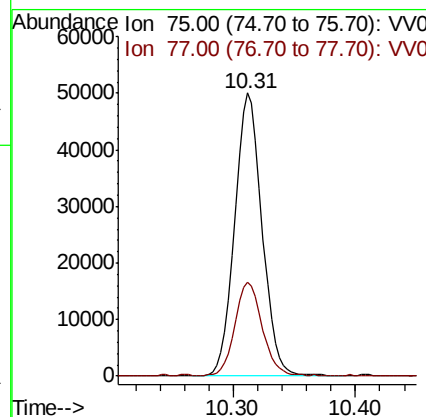
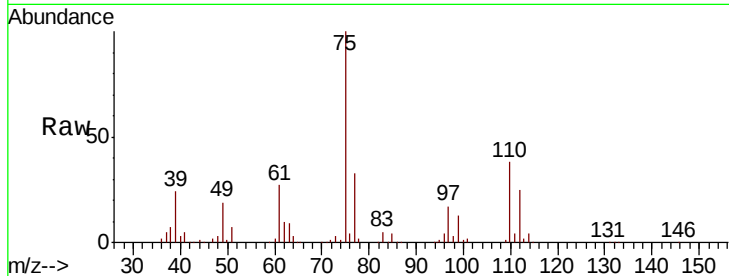




#59
 1,2,3-Trichloropropane
 Concen: 5.079 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

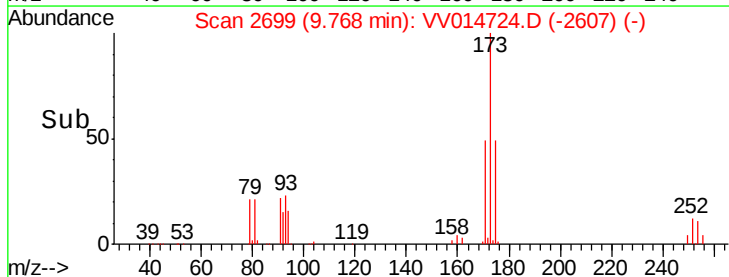
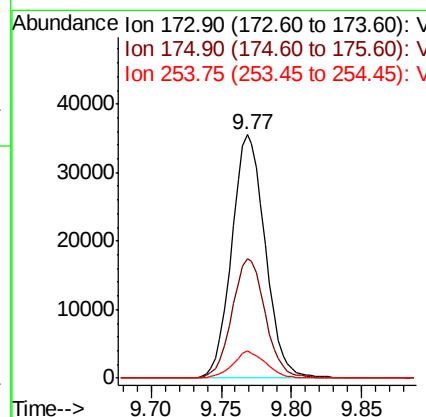
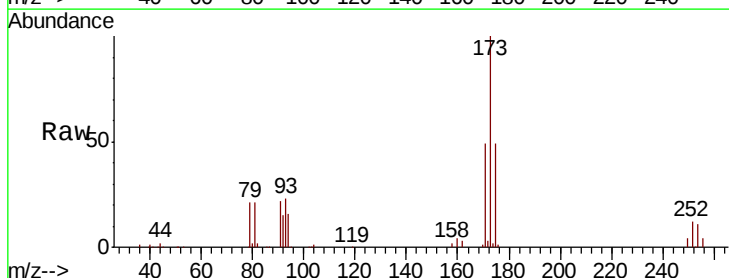
Instrument :
 MSVOA_V
 ClientSampleId :

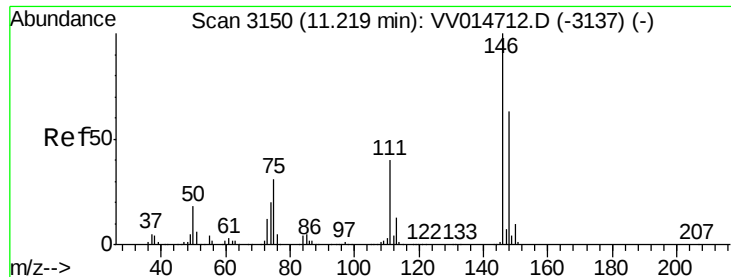
Tot Ion: 75 Resp: 78408
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.3 39.5



#61
 Bromoform
 Concen: 6.103 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

Tgt Ion:173 Resp: 58978
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.6 57.8
 254 11.0 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.429 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

ClientSampled :

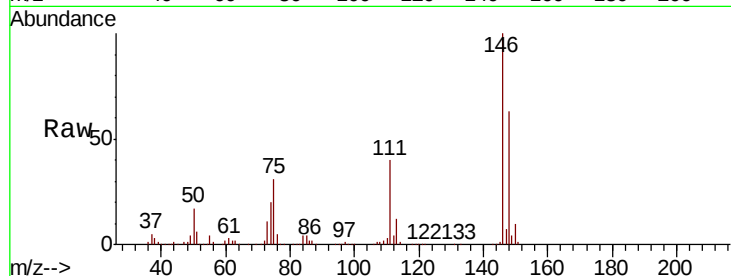
Tot Ion:146 Resp: 304786

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

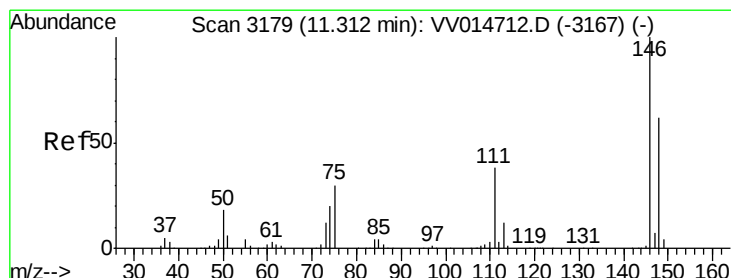
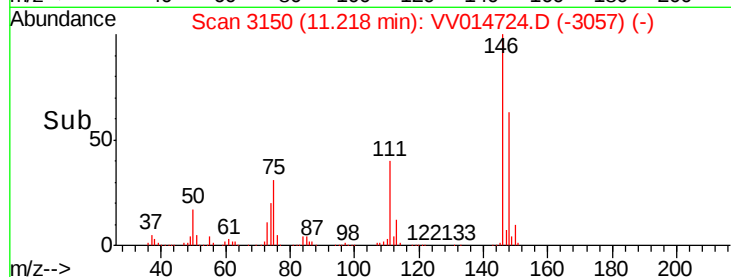
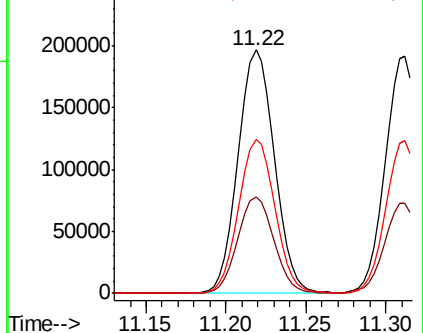
148 63.3 43.9 81.5



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: 5.218 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

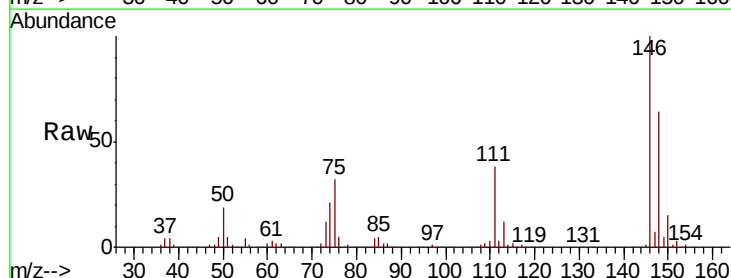
Tgt Ion:146 Resp: 299276

Ion Ratio Lower Upper

146 100

111 37.7 26.9 49.9

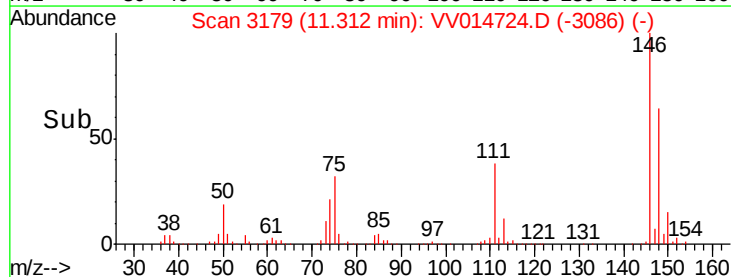
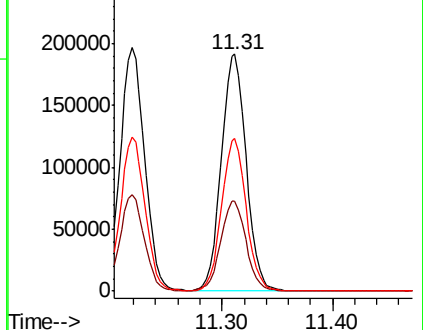
148 64.5 43.8 81.4

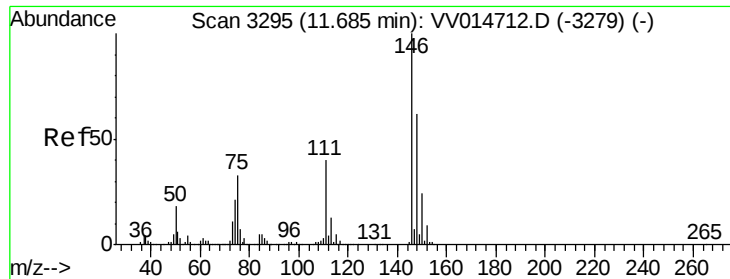


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.182 ug/L

RT: 11.68 min Scan# 3294

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

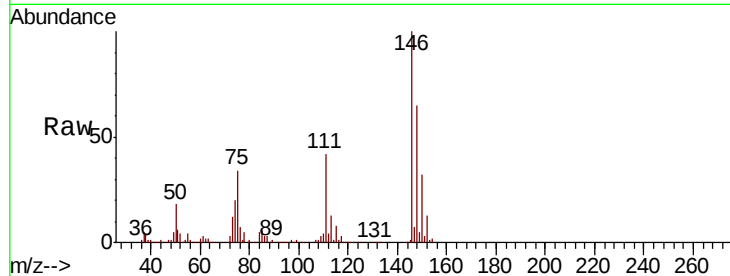
Tot Ion:146 Resp: 268789

Ion Ratio Lower Upper

146 100

111 42.0 31.8 47.8

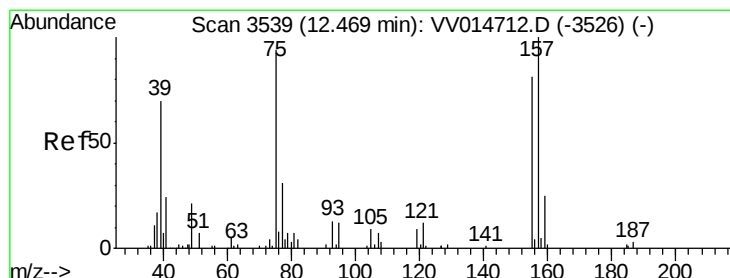
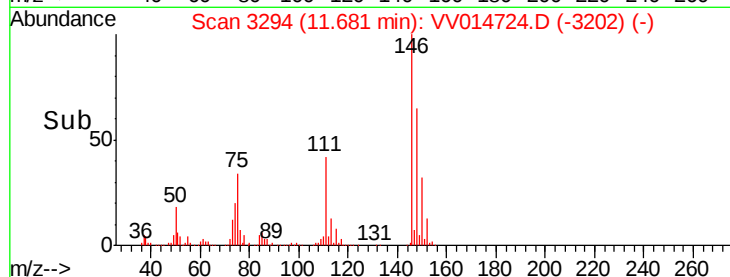
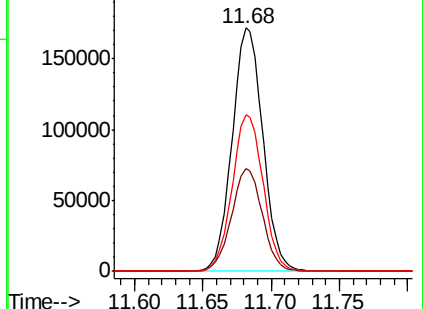
148 64.6 49.8 74.6



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: 5.089 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

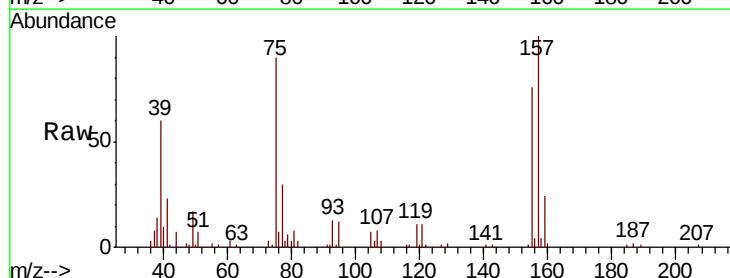
Tgt Ion: 75 Resp: 17468

Ion Ratio Lower Upper

75 100

155 84.4 68.3 102.5

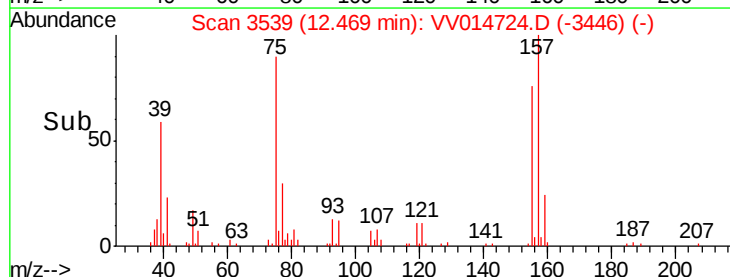
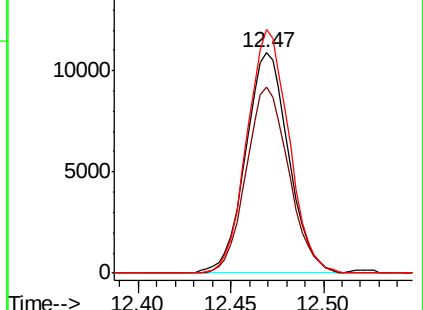
157 110.5 84.7 127.1

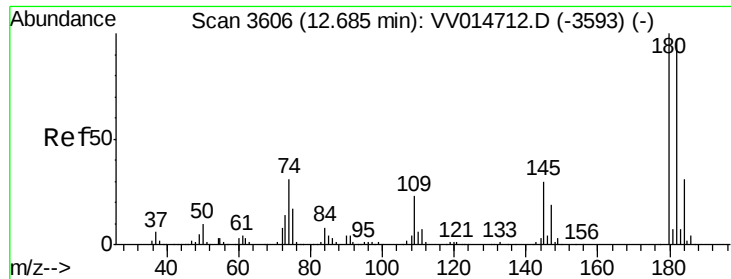


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

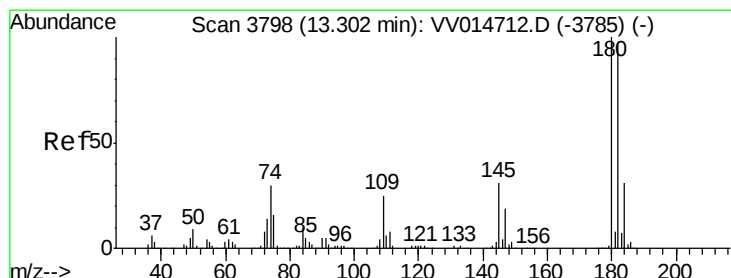
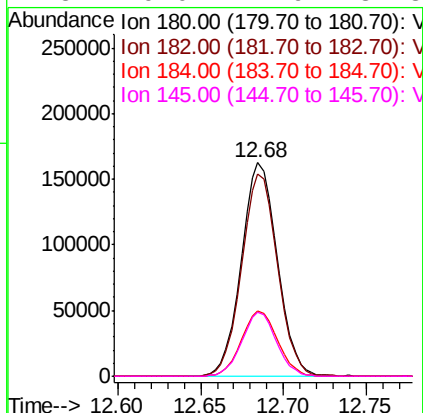
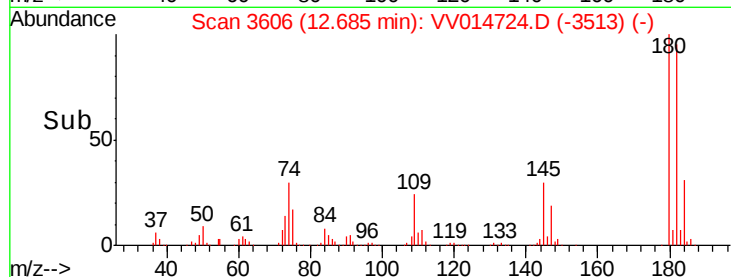
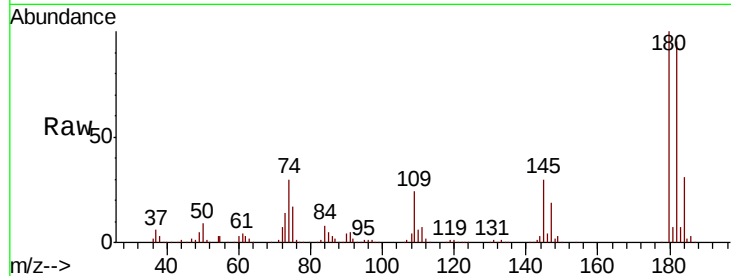




#67
 1,3,5-Trichlorobenzene
 Concen: 5.372 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

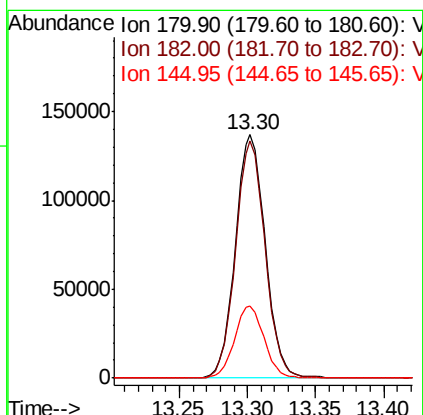
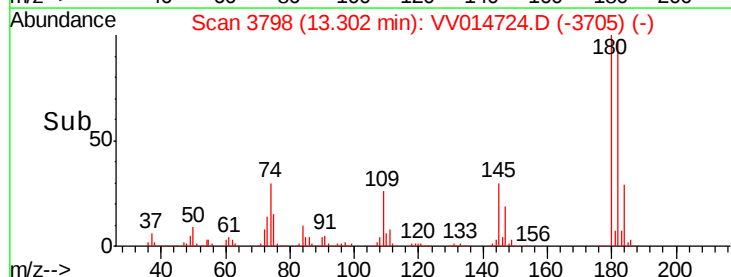
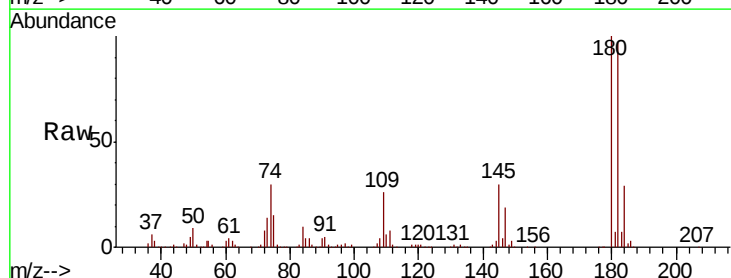
Instrument :
 MSVOA_V
 ClientSampleId :

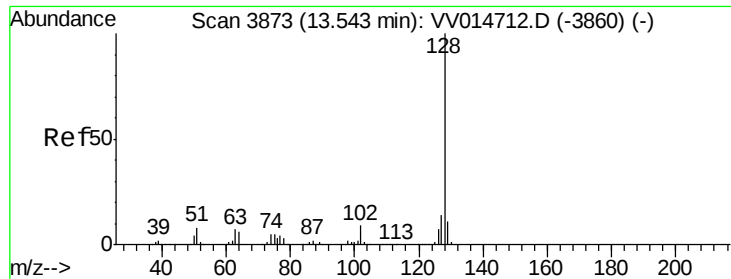
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.2	115.8
184	31.0	24.2	36.2
145	29.0	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.318 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014724.D
 Acq: 02 Mar 2020 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.2
145	29.2	24.2	36.2





#69

Naphthalene

Concen: 5.219 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

Instrument :

MSVOA_V

ClientSampleId :

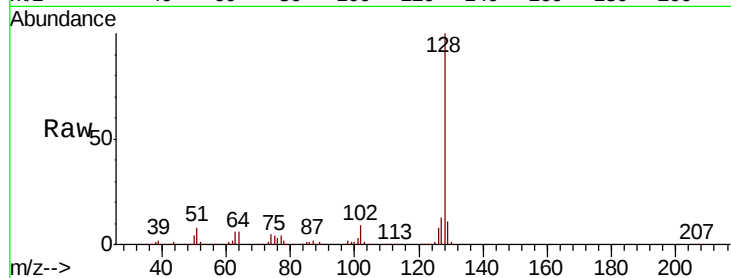
Tot Ion:128 Resp: 332384

Ion Ratio Lower Upper

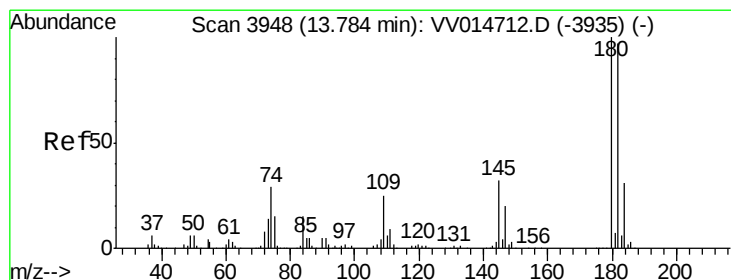
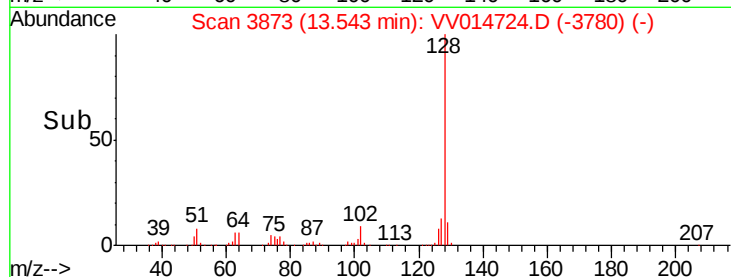
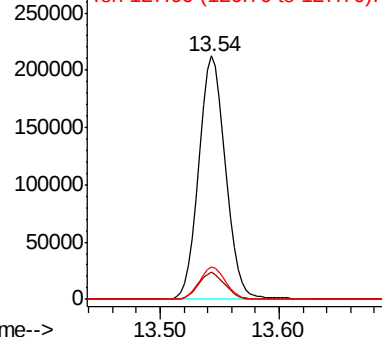
128 100

129 11.0 8.7 13.1

127 13.1 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: 5.324 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014724.D

Acq: 02 Mar 2020 10:02

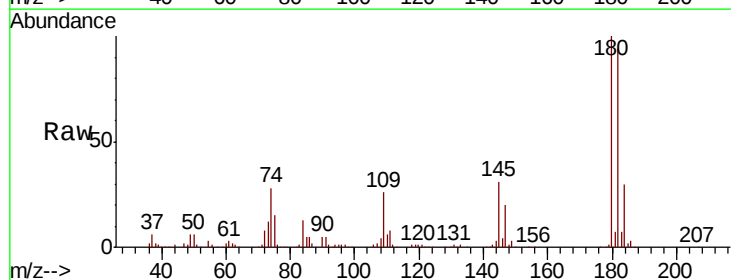
Tgt Ion:180 Resp: 185877

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 30.9 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

