

Data File : VV014590.D
Acq On : 17 Feb 2020 12:27
Operator : SY/MD
Sample : VSTD10064
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Quant Time: Feb 18 05:49:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 18 05:45:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	299099	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	282339	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	141957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102079	68.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	76411	73.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	182690	78.70	ug/L	0.00
21) 2-Butanone-d5	3.92	46	207352	175.47	ug/L	0.00
24) Chloroform-d	4.40	84	341387	95.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	215526	97.84	ug/L	0.00
32) Benzene-d6	5.10	84	667838	89.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	202648	88.89	ug/L	0.00
41) Toluene-d8	7.35	98	639304	92.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	118064	95.65	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	168712	175.52	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	281540	93.60	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	247955	93.52	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	198919	85.997	ug/L	100
3) Chloromethane	1.26	50	154755	68.675	ug/L	97
5) Vinyl chloride	1.32	62	125203	72.178	ug/L	99
6) Bromomethane	1.53	94	69107	84.207	ug/L	97
8) Chloroethane	1.60	64	63355	73.289	ug/L	98
9) Trichlorofluoromethane	1.77	101	231310	93.938	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94976	82.371	ug/L	97
12) 1,1-Dichloroethene	2.14	96	88581	80.359	ug/L	96
13) Acetone	2.18	43	149883	148.302	ug/L	96
14) Carbon disulfide	2.32	76	416604	78.680	ug/L	100
15) Methyl Acetate	2.45	43	154237	80.910	ug/L	98
16) Methylene chloride	2.54	84	180924	85.133	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	172866	87.953	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	574492	91.595	ug/L	99
19) 1,1-Dichloroethane	3.23	63	307493	87.494	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	203200	91.520	ug/L	98
22) 2-Butanone	4.00	43	254520	171.884	ug/L	99
23) Bromochloromethane	4.30	128	102939	96.907	ug/L	96
25) Chloroform	4.42	83	343218	94.550	ug/L	100
27) 1,2-Dichloroethane	5.17	62	258942	95.844	ug/L	99
29) Cyclohexane	4.72	56	262469	79.759	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	312140	98.025	ug/L	100
31) Carbon tetrachloride	4.87	117	278226	98.531	ug/L	99
33) Benzene	5.14	78	708137	88.143	ug/L	100
34) Trichloroethene	5.95	95	192537	89.720	ug/L	98
35) Methylcyclohexane	6.17	83	297284	85.638	ug/L	99
37) 1,2-Dichloropropane	6.22	63	177591	87.253	ug/L	99
38) Bromodichloromethane	6.55	83	269731	96.632	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	316139	91.770	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	441345	169.250	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	776899	89.535	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	290970	94.172	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	186653	93.715	ug/L	97
46) Tetrachloroethene	8.02	164	153184	93.443	ug/L	98
48) 2-Hexanone	8.17	43	352588	176.592	ug/L	98
49) Dibromochloromethane	8.29	129	226305	99.374	ug/L	98
50) 1,2-Dibromoethane	8.39	107	205170	95.245	ug/L	98
51) Chlorobenzene	8.92	112	523703	91.891	ug/L	99
52) Ethylbenzene	9.05	91	896637	91.982	ug/L	99
53) m,p-Xylene	9.18	106	346447	92.156	ug/L	97
54) o-Xylene	9.58	106	333132	92.465	ug/L	99
55) Styrene	9.60	104	574955	93.532	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	292576	93.937	ug/L	99
59) Bromoform	9.77	173	161830	102.695	ug/L	100
60) Isopropylbenzene	9.97	105	884929	93.647	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	232188	93.865	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	770780	95.463	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	759843	95.581	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	416333	93.298	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	431224	94.030	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	411527	94.693	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	69362	99.344	ug/L	97
69) 1,3,5-Trichlorobenzene	12.68	180	306597	97.152	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	284940	98.643	ug/L	100
71) Naphthalene	13.54	128	919966	97.249	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	278725	99.027	ug/L	100

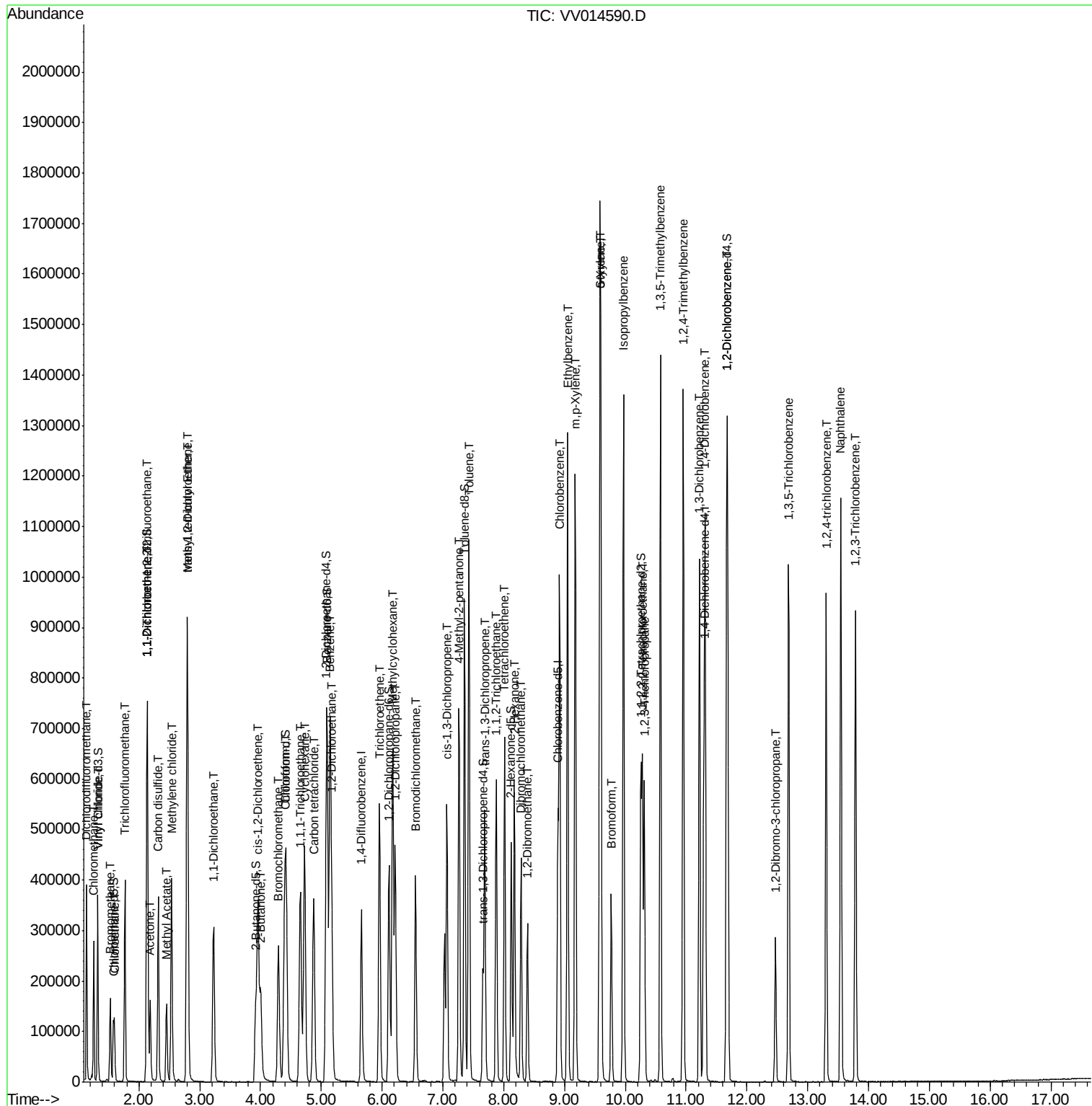
(#) = qualifier out of range (m) = manual integration (+) = signals summed

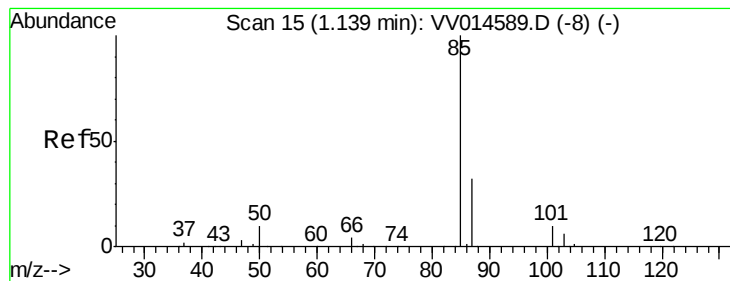
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#2

Dichlorodifluoromethane

Concen: 85.997 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

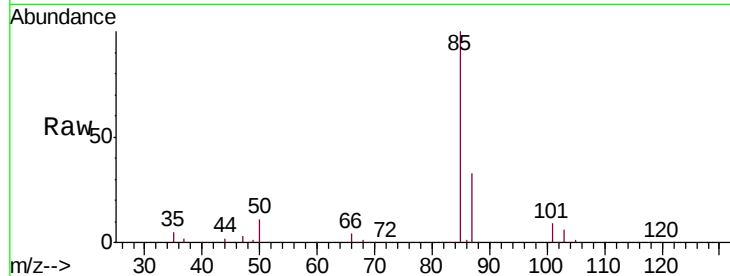
VSTD100205

Tgt Ion: 85 Resp: 198919

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014589.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014589.D (-8) (-)

1.14

200000

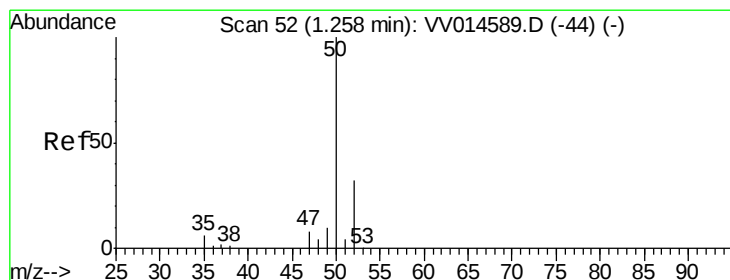
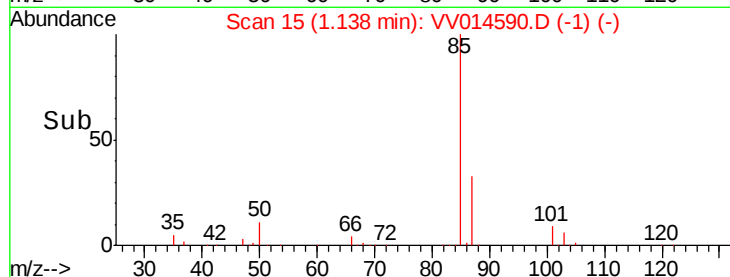
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 68.675 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014590.D

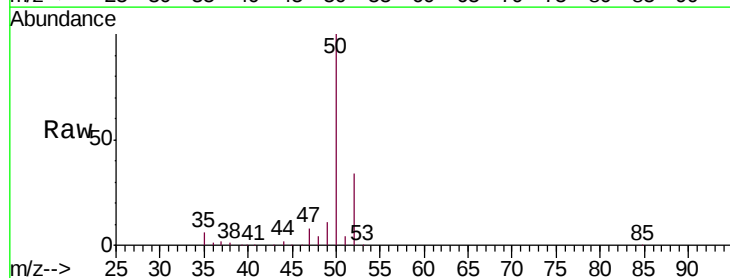
Acq: 17 Feb 2020 12:27

Tgt Ion: 50 Resp: 154755

Ion Ratio Lower Upper

50 100

52 34.0 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV014589.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014589.D (-44) (-)

1.26

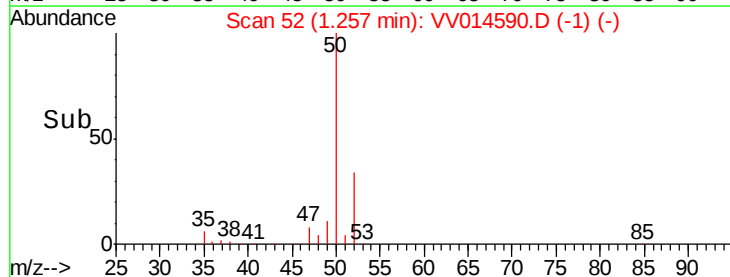
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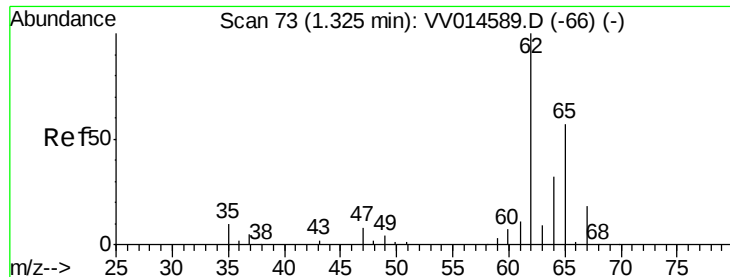
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 72.178 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

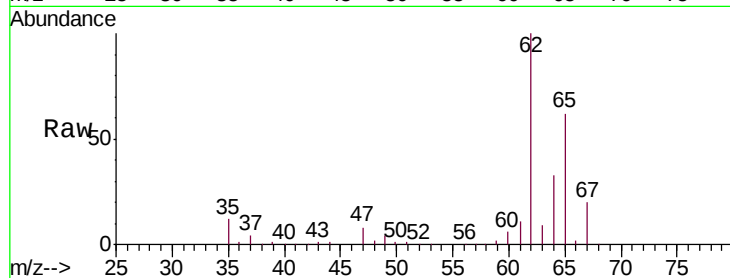
VSTD100205

Tgt Ion: 62 Resp: 125203

Ion Ratio Lower Upper

62 100

64 33.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

100000

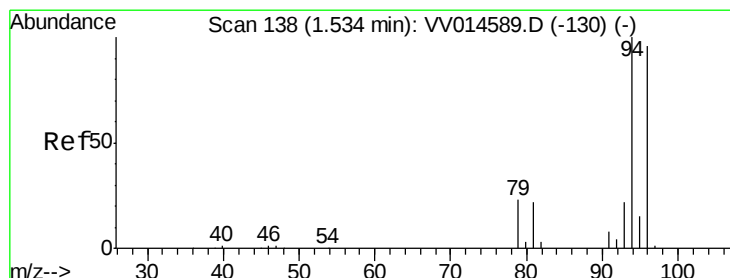
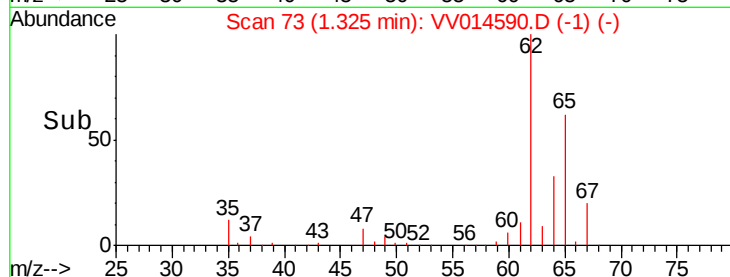
50000

0

1.32

1.30 1.35

Time-->



#6

Bromomethane

Concen: 84.207 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV014590.D

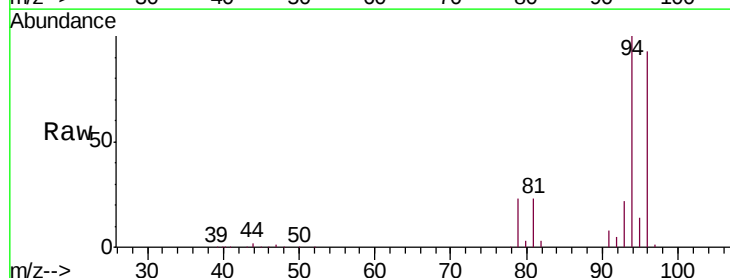
Acq: 17 Feb 2020 12:27

Tgt Ion: 94 Resp: 69107

Ion Ratio Lower Upper

94 100

96 92.9 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

50000

40000

30000

20000

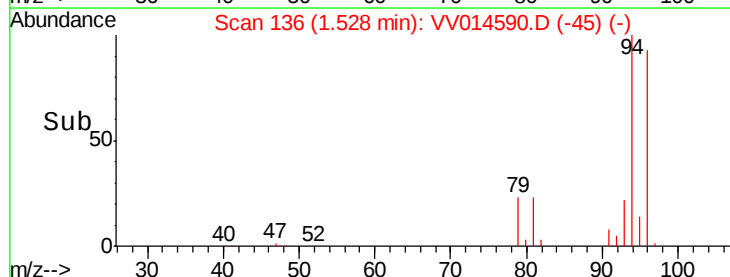
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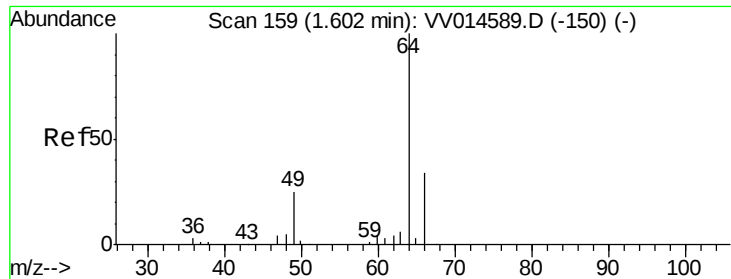
0

1.53

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 73.289 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

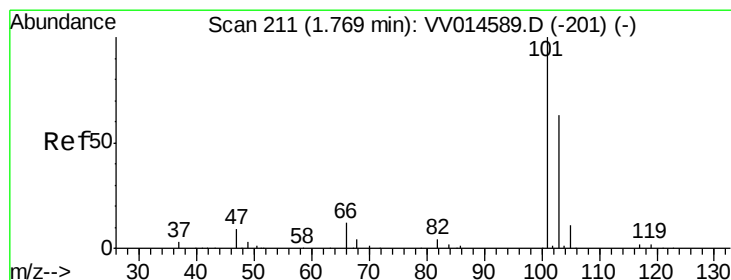
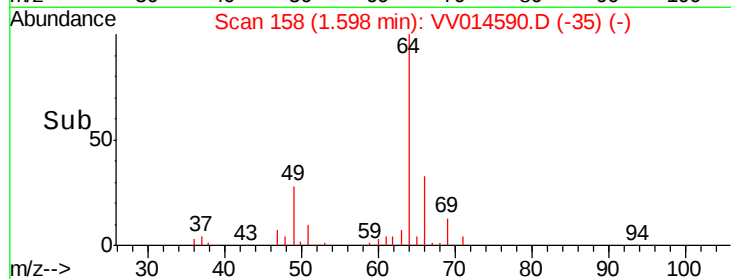
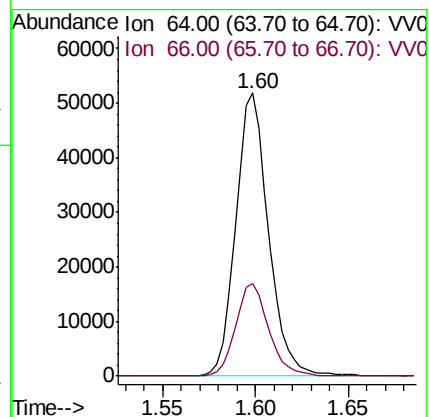
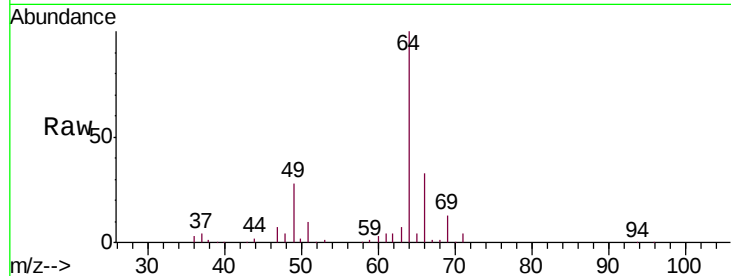
VSTD100205

Tgt Ion: 64 Resp: 63355

Ion Ratio Lower Upper

64 100

66 32.8 23.6 43.8



#9

Trichlorofluoromethane

Concen: 93.938 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014590.D

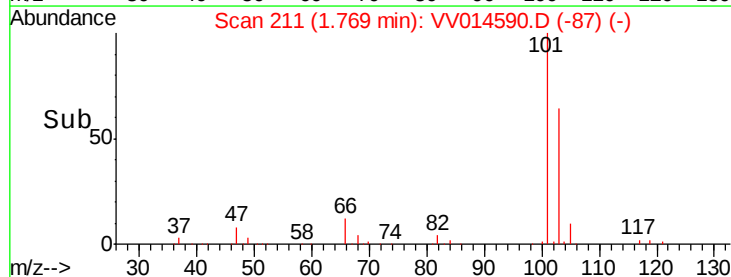
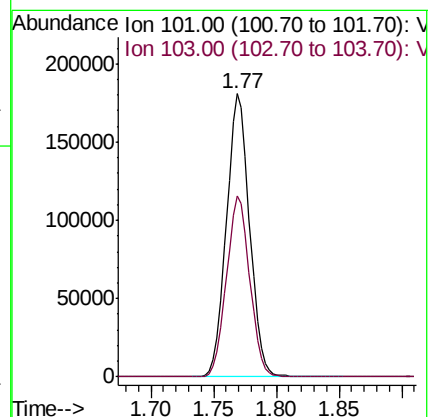
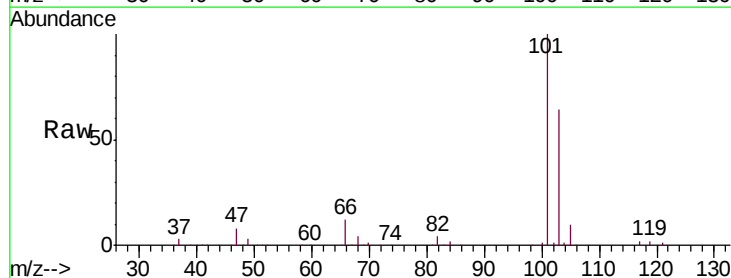
Acq: 17 Feb 2020 12:27

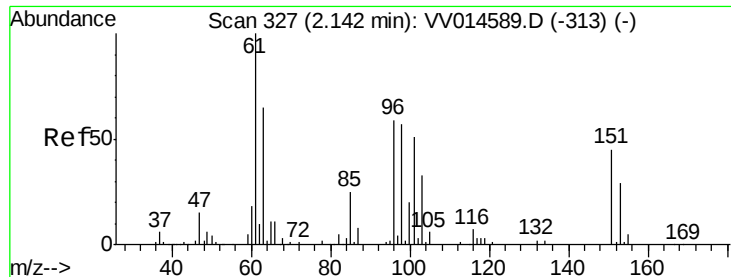
Tgt Ion: 101 Resp: 231310

Ion Ratio Lower Upper

101 100

103 64.0 51.4 77.0





#10

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

Concen: 82.371 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

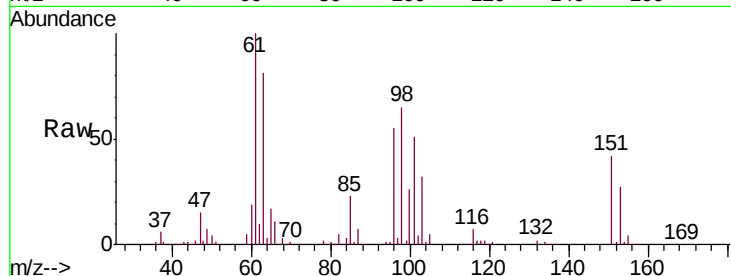
Tgt Ion: 101 Resp: 94976

Ion Ratio Lower Upper

101 100

85 45.9 37.9 56.9

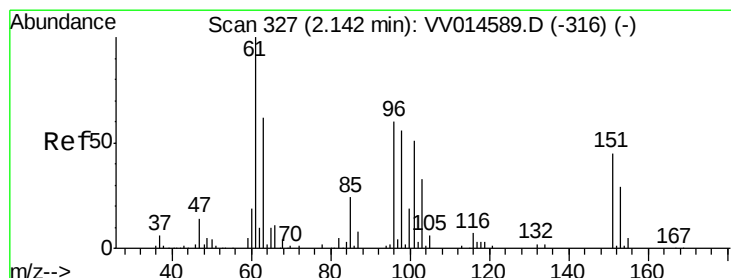
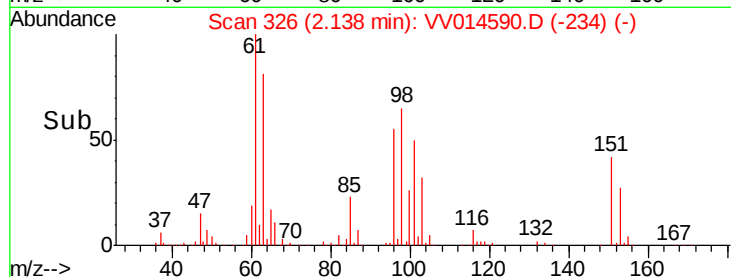
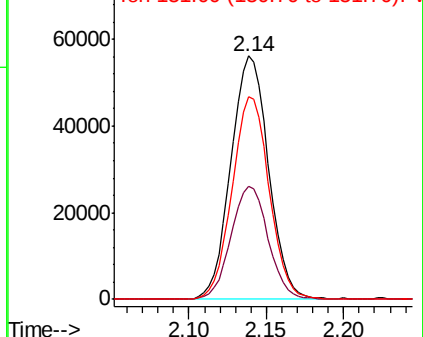
151 81.9 67.7 101.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 80.359 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

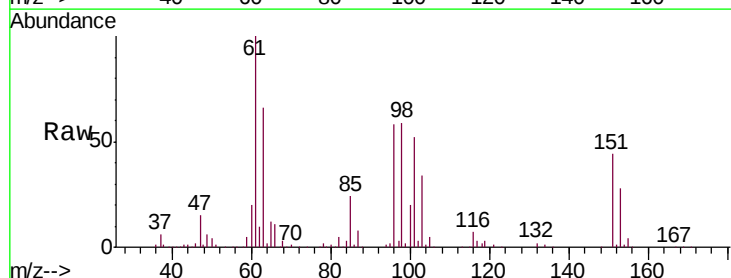
Tgt Ion: 96 Resp: 88581

Ion Ratio Lower Upper

96 100

61 173.8 118.3 219.7

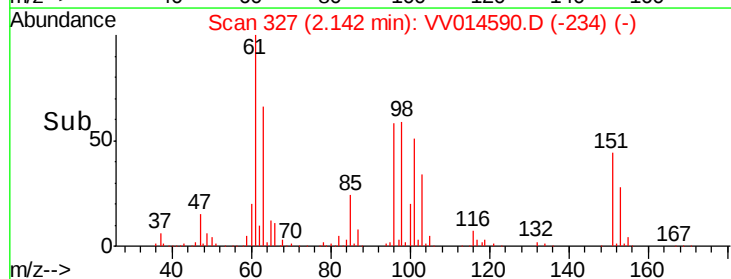
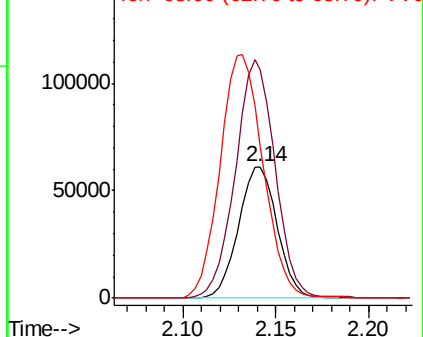
63 115.1 77.5 143.9

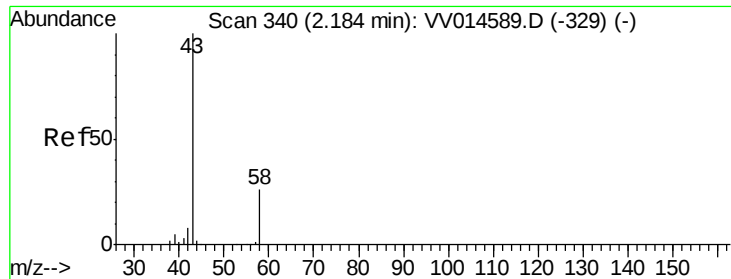


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 148.302 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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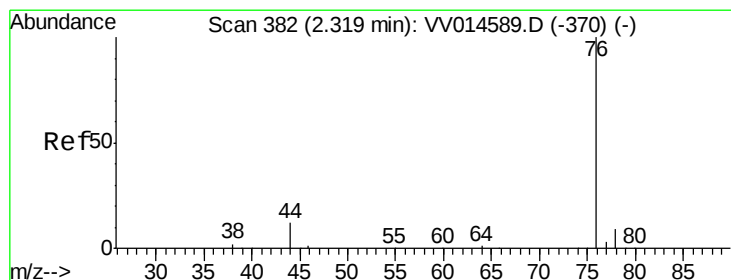
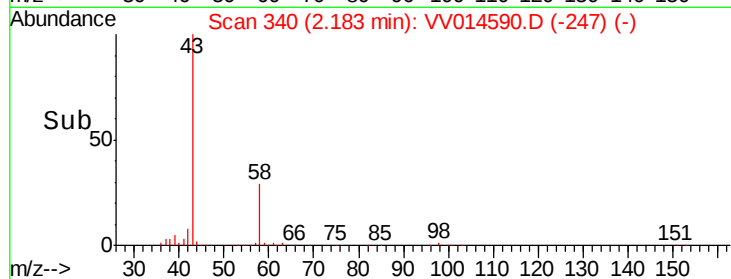
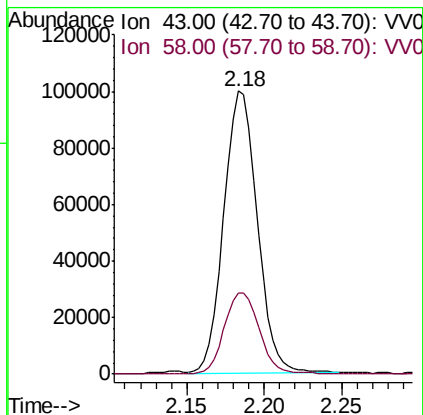
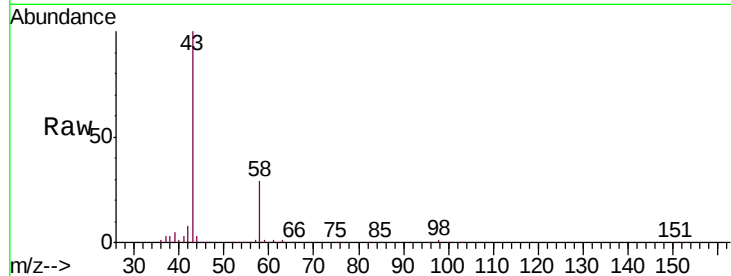
VSTD100205

Tgt Ion: 43 Resp: 149883

Ion Ratio Lower Upper

43 100

58 30.1 0.0 55.8



#14

Carbon disulfide

Concen: 78.680 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014590.D

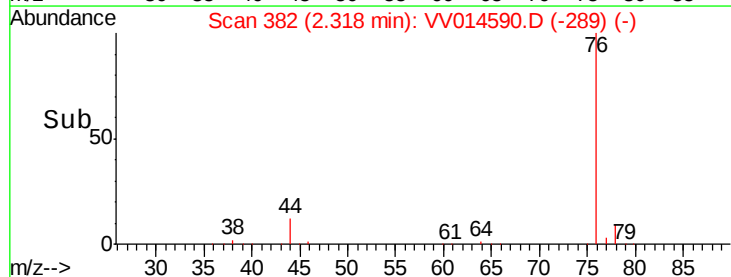
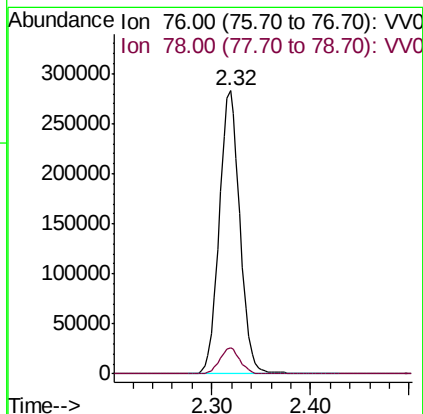
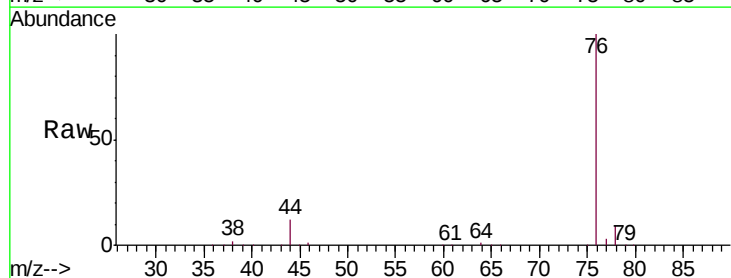
Acq: 17 Feb 2020 12:27

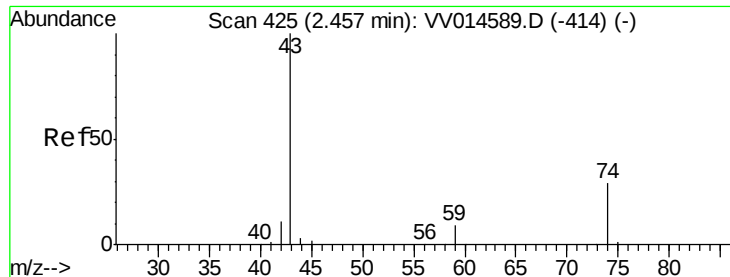
Tgt Ion: 76 Resp: 416604

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 80.910 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

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Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampled :

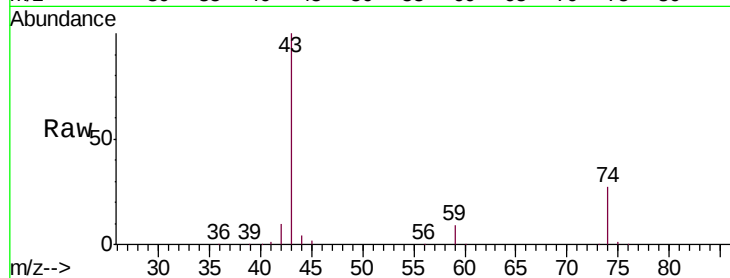
VSTD100205

Tgt Ion: 43 Resp: 154237

Ion Ratio Lower Upper

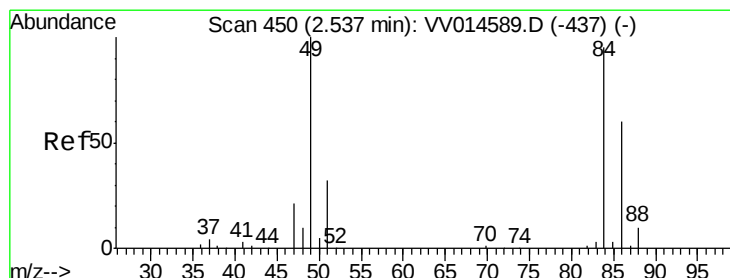
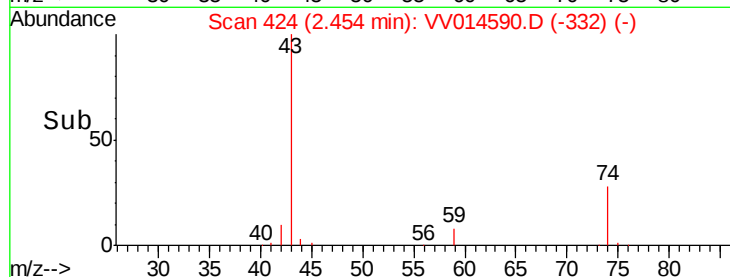
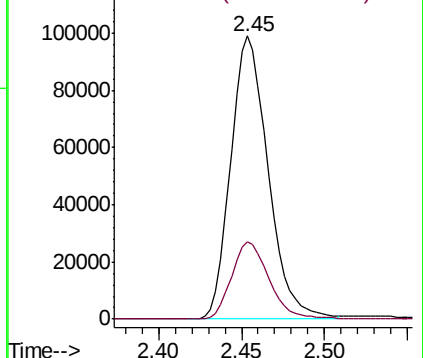
43 100

74 27.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 85.133 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

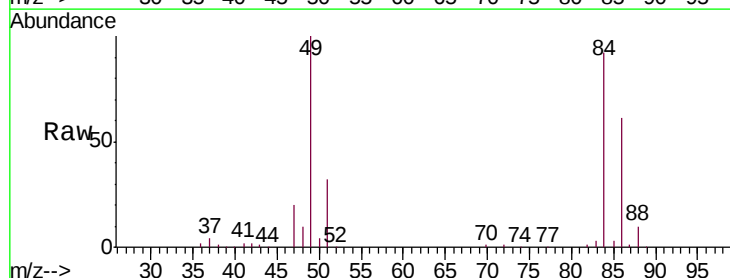
Tgt Ion: 84 Resp: 180924

Ion Ratio Lower Upper

84 100

86 66.0 44.0 81.8

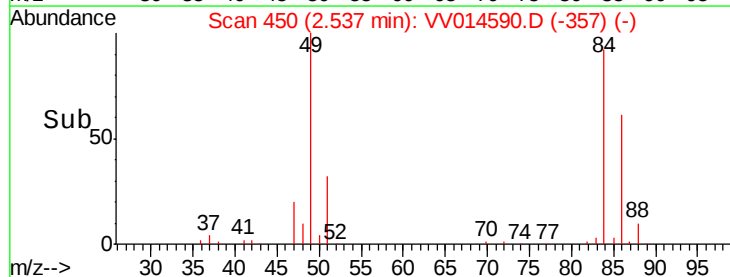
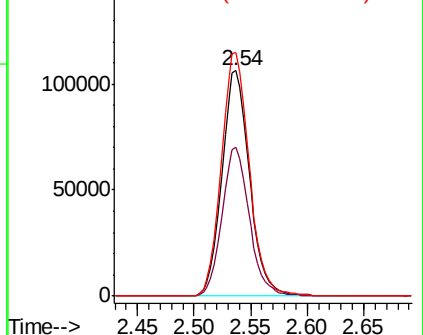
49 108.2 74.0 137.4

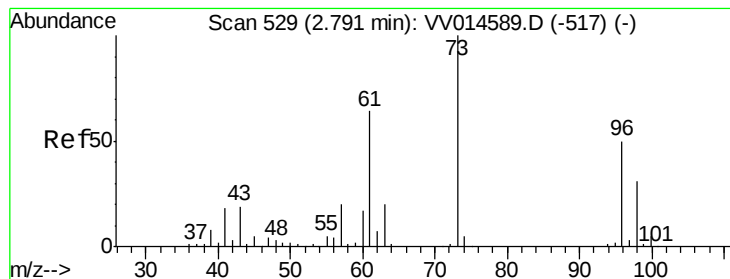


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 87.953 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

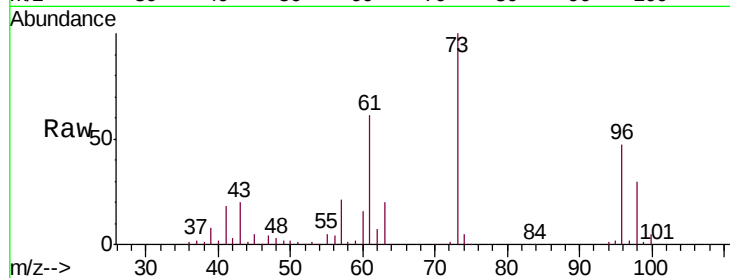
Tgt Ion: 96 Resp: 172866

Ion Ratio Lower Upper

96 100

61 129.1 90.6 168.3

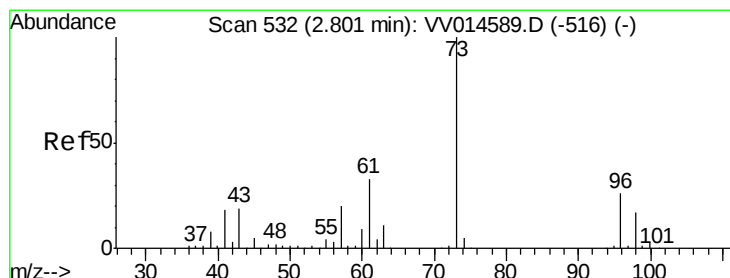
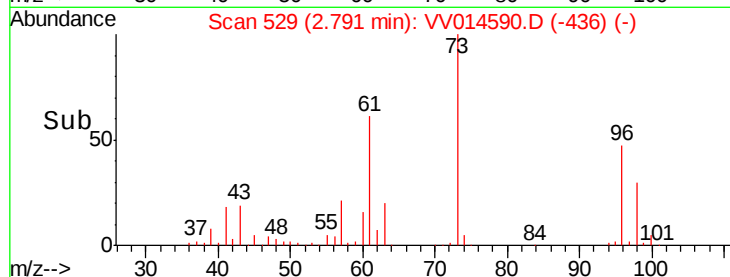
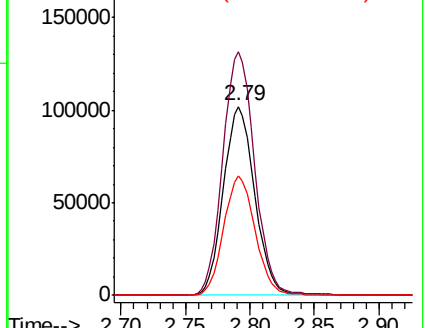
98 63.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 91.595 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

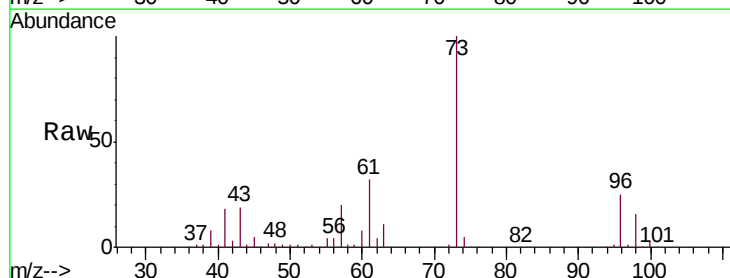
Tgt Ion: 73 Resp: 574492

Ion Ratio Lower Upper

73 100

43 19.3 14.7 22.1

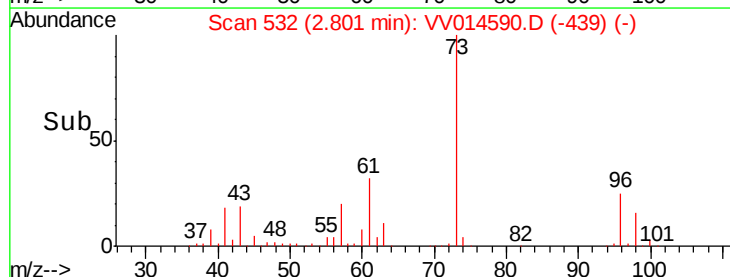
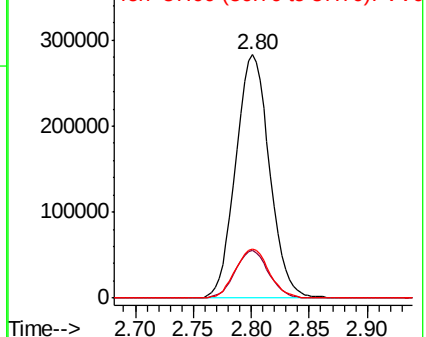
57 20.4 16.2 24.4

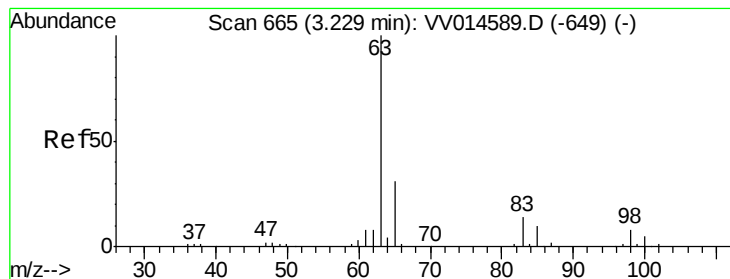


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 87.494 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

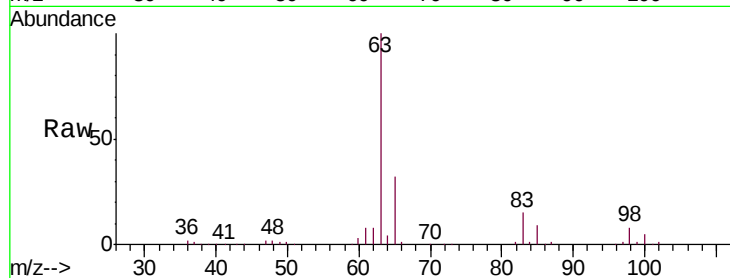
Tgt Ion: 63 Resp: 307493

Ion Ratio Lower Upper

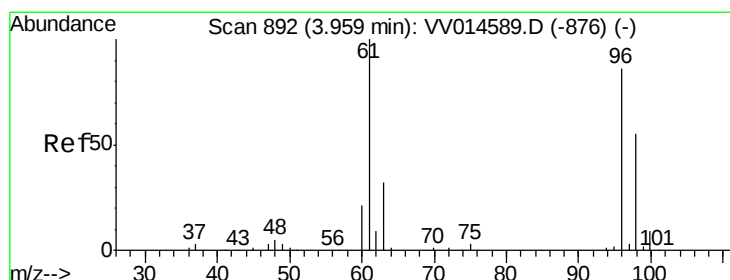
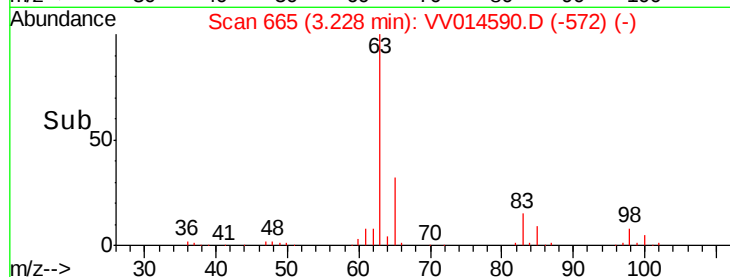
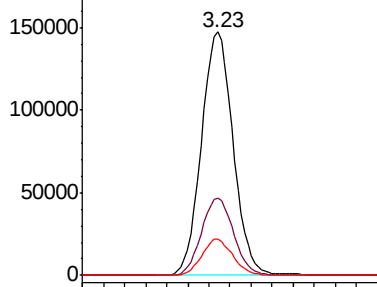
63 100

65 31.9 21.8 40.4

83 14.8 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 91.520 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

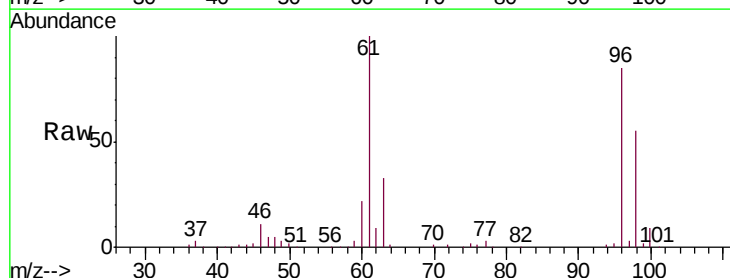
Tgt Ion: 96 Resp: 203200

Ion Ratio Lower Upper

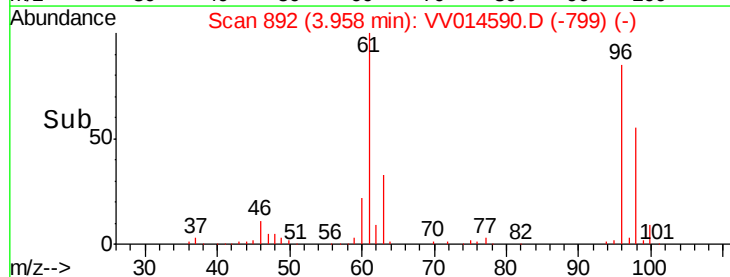
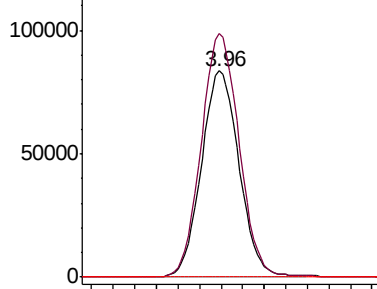
96 100

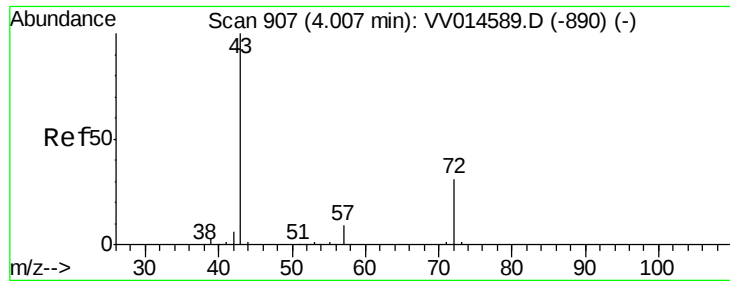
61 118.0 81.4 151.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 171.884 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

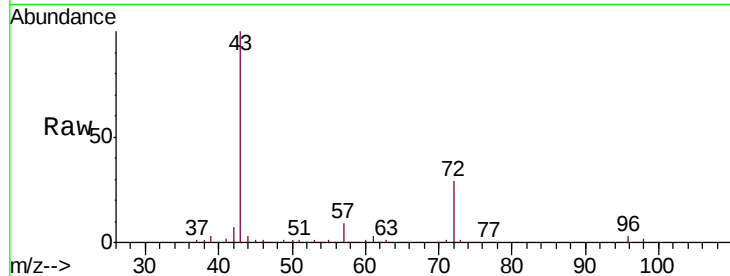
VSTD100205

Tgt Ion: 43 Resp: 254520

Ion Ratio Lower Upper

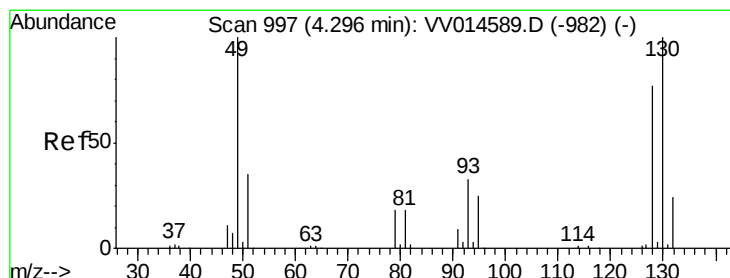
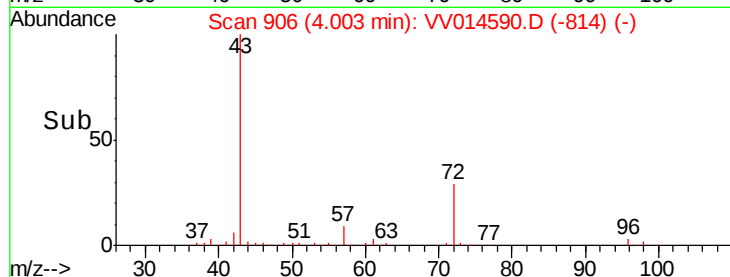
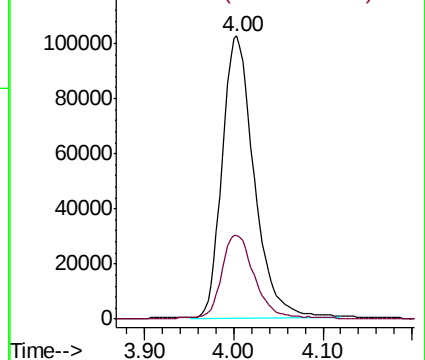
43 100

72 30.9 15.1 45.3



Abundance Ion 43.00 (42.70 to 43.70): VV014590.D (-906) (-)

Ion 72.00 (71.70 to 72.70): VV014590.D (-906) (-)



#23

Bromochloromethane

Concen: 96.907 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Tgt Ion: 128 Resp: 102939

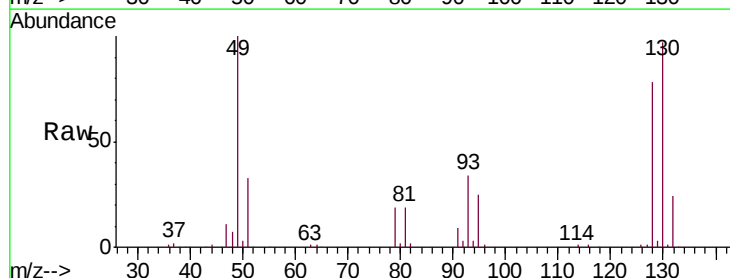
Ion Ratio Lower Upper

128 100

49 128.2 91.7 170.3

130 124.7 91.4 169.8

51 41.7 36.2 54.2

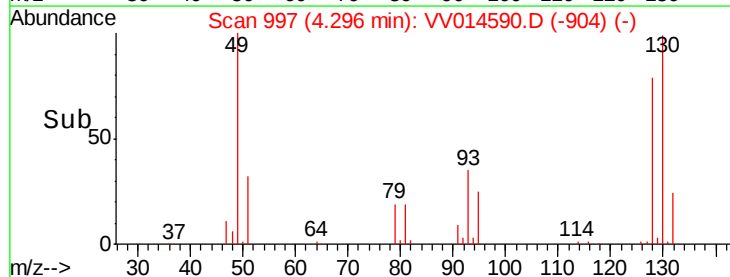
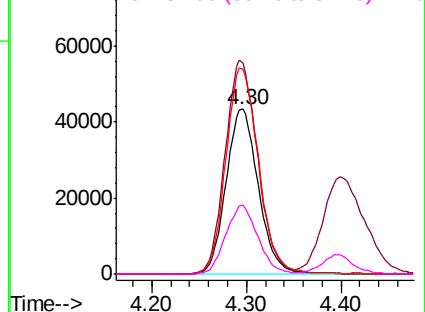


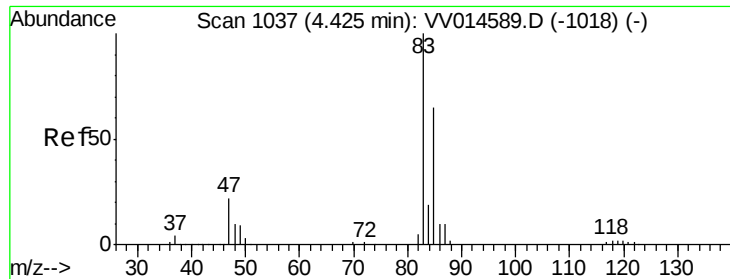
Abundance Ion 128.00 (127.70 to 128.70): VV014590.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV014590.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV014590.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV014590.D (-997) (-)

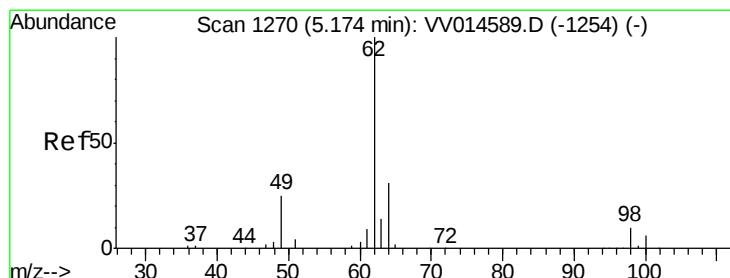
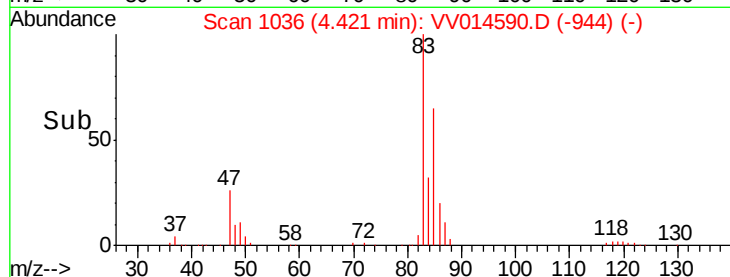
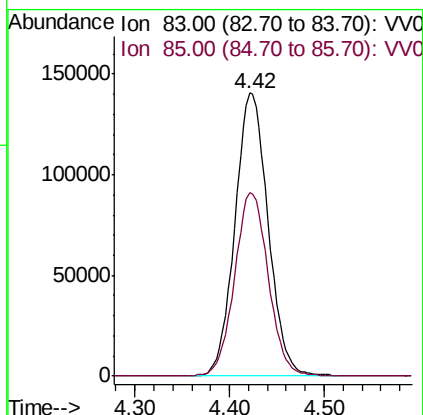
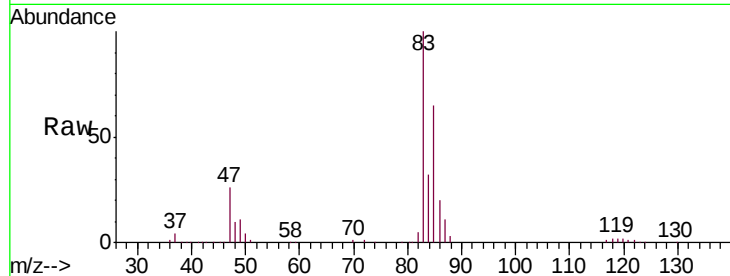




#25
Chloroform
Concen: 94.550 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

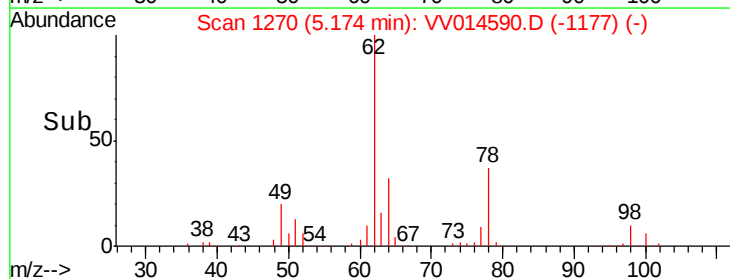
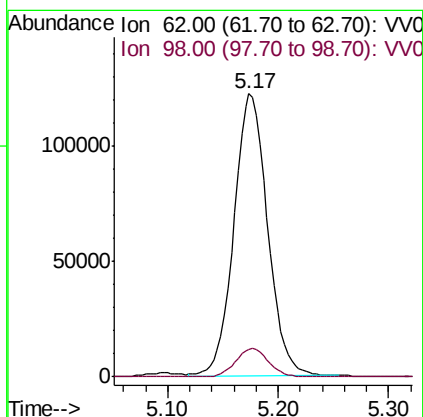
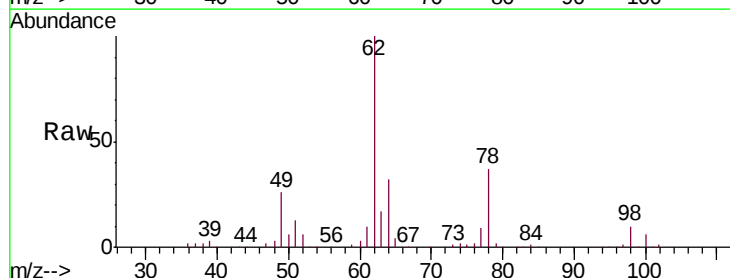
Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

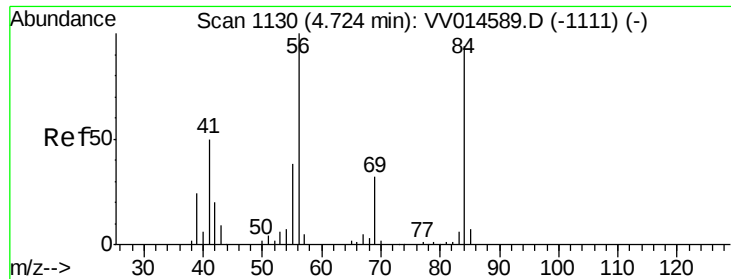
Tgt Ion: 83 Resp: 343218
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 95.844 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Tgt Ion: 62 Resp: 258942
Ion Ratio Lower Upper
62 100
98 9.9 8.1 12.1

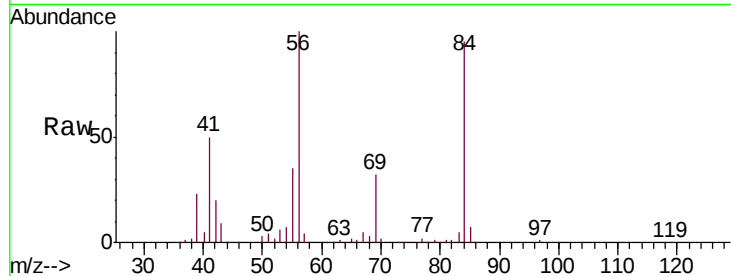




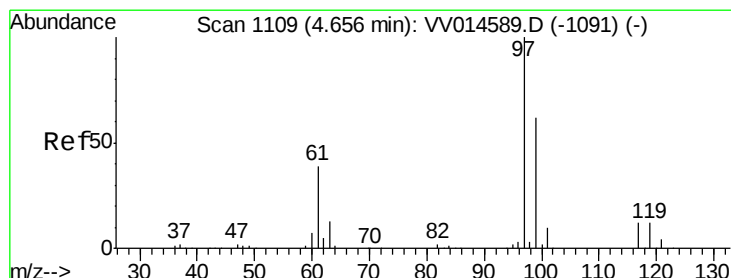
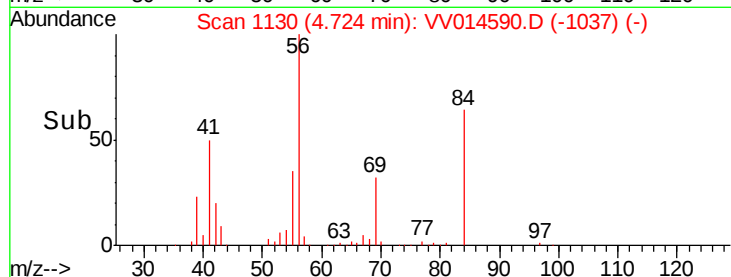
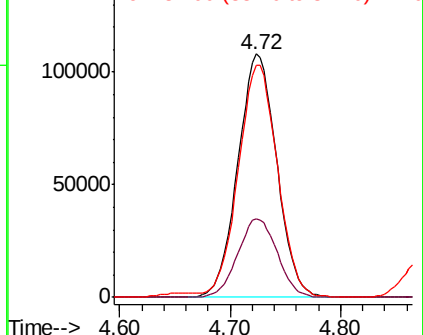
#29
Cyclohexane
Concen: 79.759 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Tgt Ion: 56 Resp: 262469
Ion Ratio Lower Upper
56 100
69 32.9 26.6 39.8
84 96.0 76.6 114.8

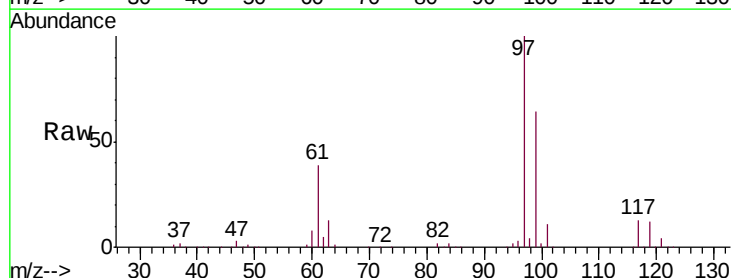


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

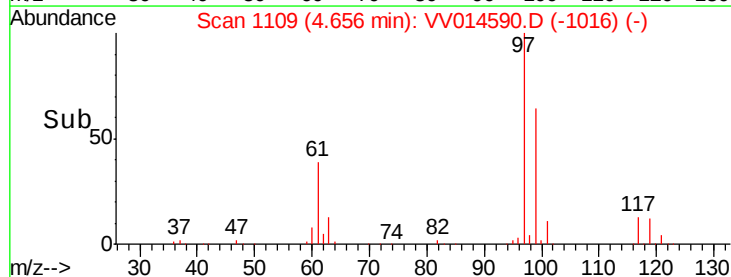
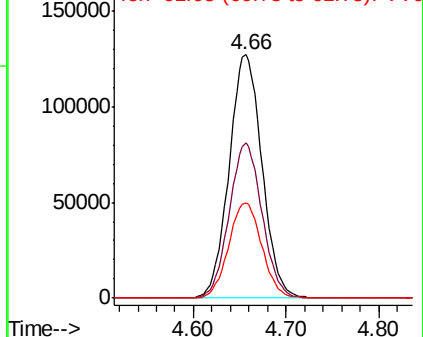


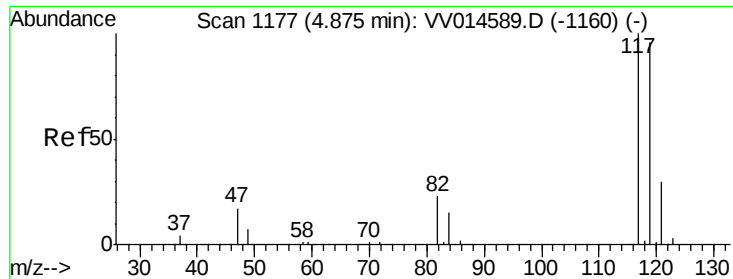
#30
1,1,1-Trichloroethane
Concen: 98.025 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Tgt Ion: 97 Resp: 312140
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 39.7 31.6 47.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 98.531 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

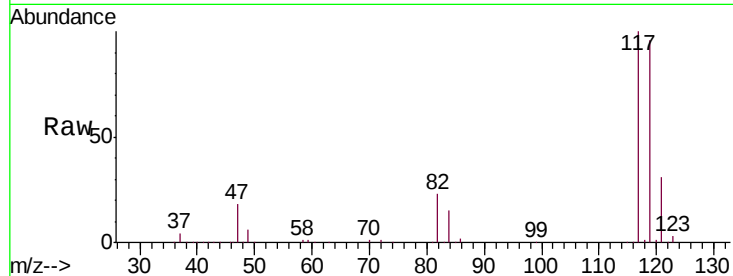
VSTD100205

Tgt Ion:117 Resp: 278226

Ion Ratio Lower Upper

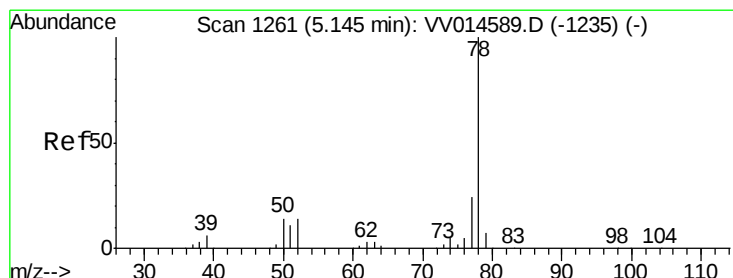
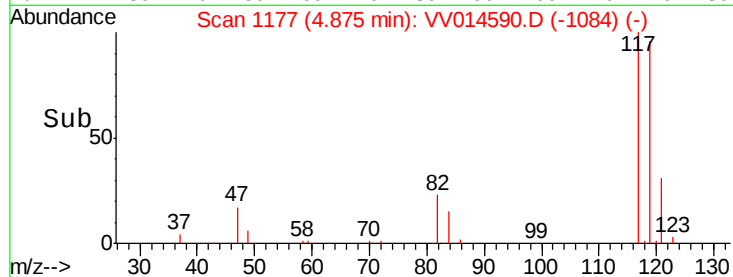
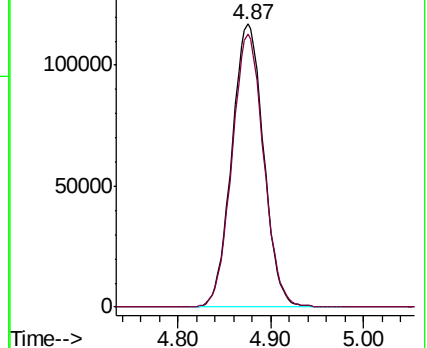
117 100

119 96.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 88.143 ug/L

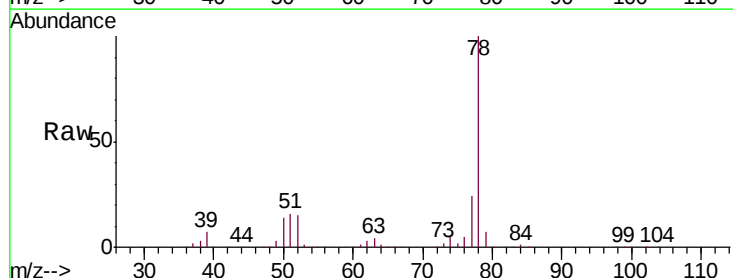
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

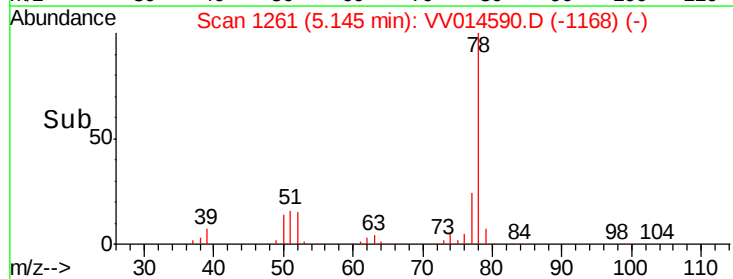
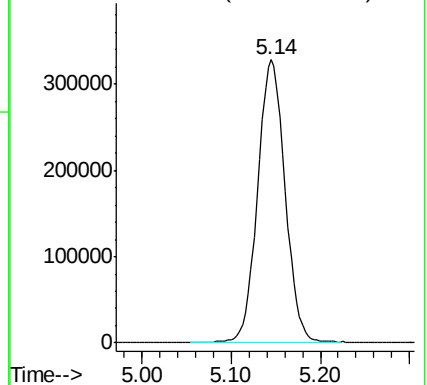
Lab File: VV014590.D

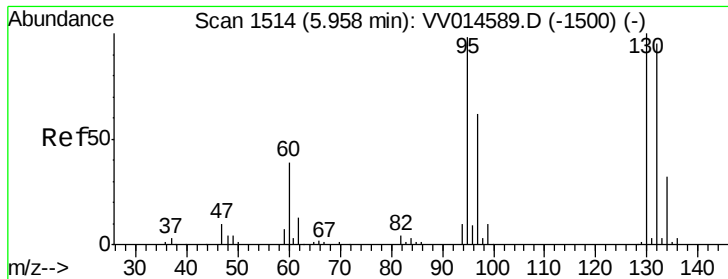
Acq: 17 Feb 2020 12:27

Tgt Ion: 78 Resp: 708137



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 89.720 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

Tgt Ion: 95 Resp: 192537

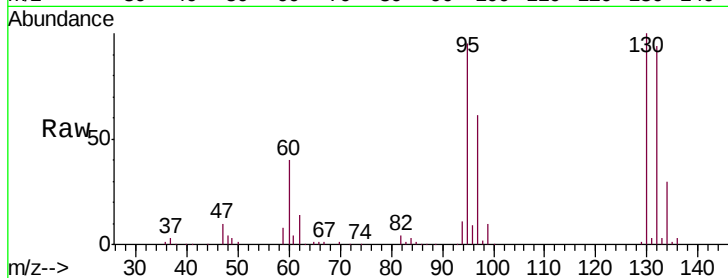
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 98.2 67.8 125.8

130 104.9 71.4 132.6

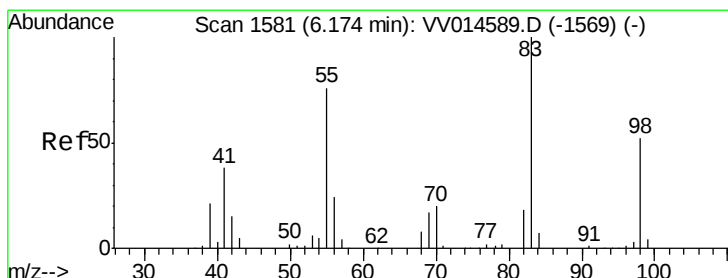
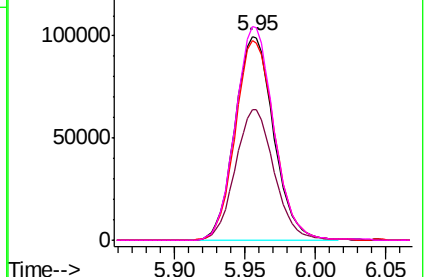
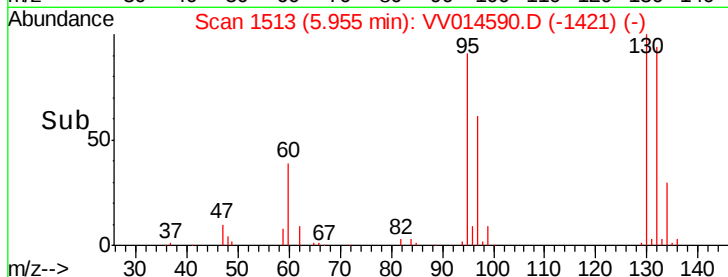


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 85.638 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

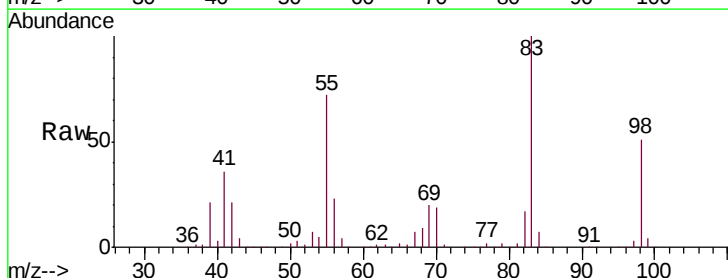
Tgt Ion: 83 Resp: 297284

Ion Ratio Lower Upper

83 100

55 70.1 57.4 86.2

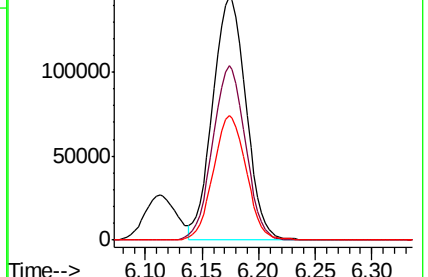
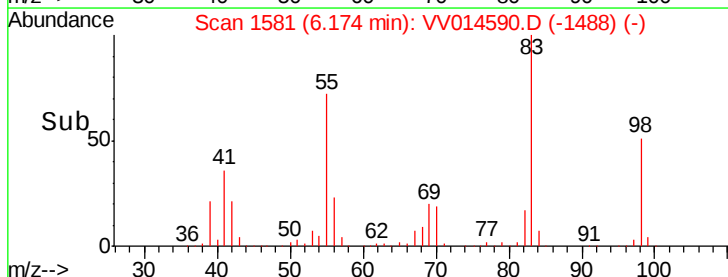
98 50.6 40.4 60.6

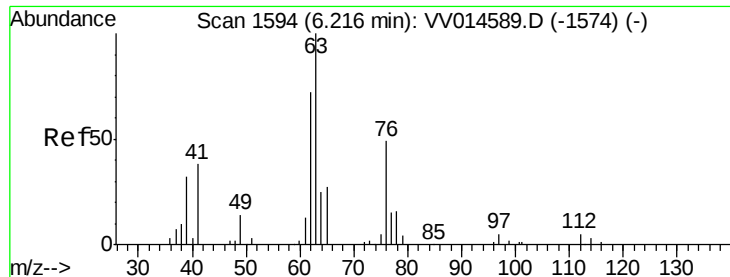


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

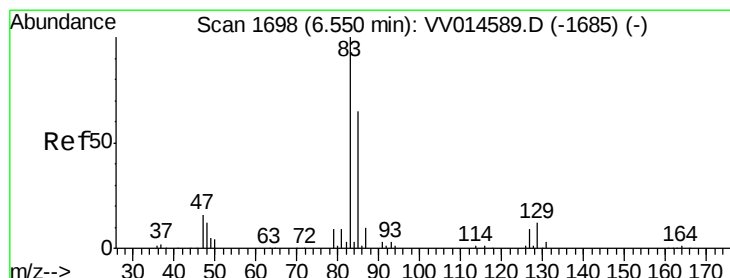
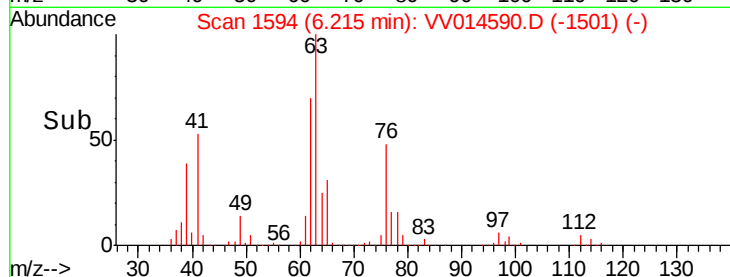
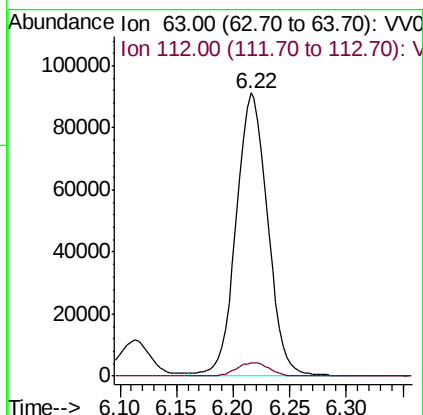
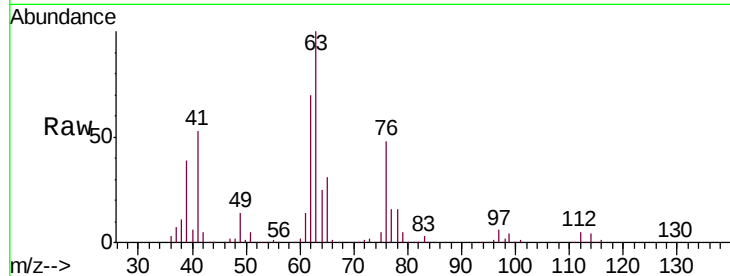




#37
 1,2-Dichloropropane
 Concen: 87.253 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

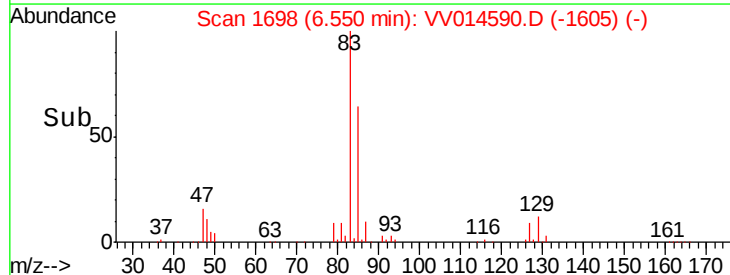
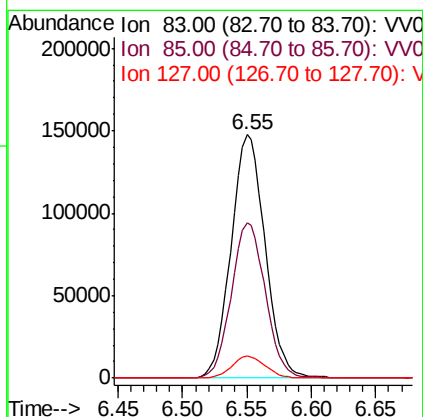
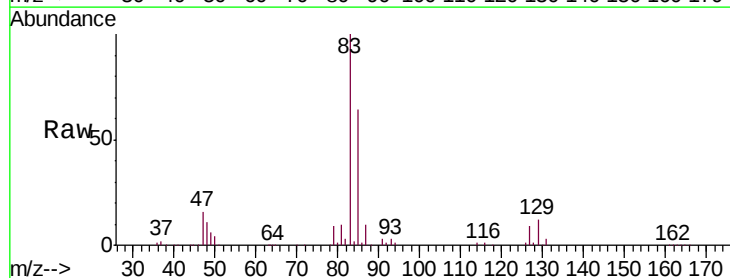
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100205

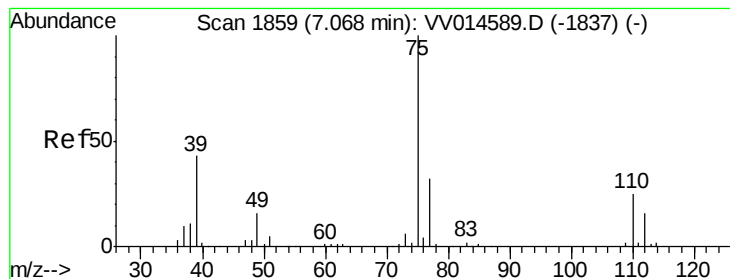
Tgt Ion: 63 Resp: 177591
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.2 6.2



#38
 Bromodichloromethane
 Concen: 96.632 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

Tgt Ion: 83 Resp: 269731
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.5 84.5
 127 9.1 7.1 10.7



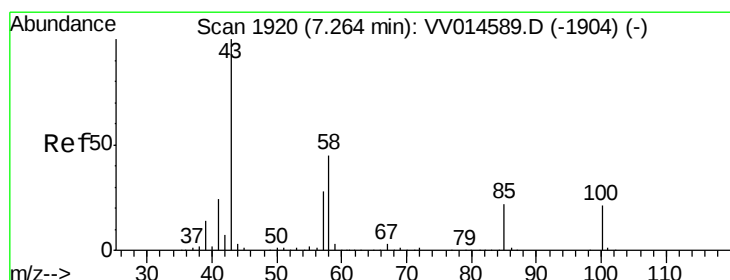
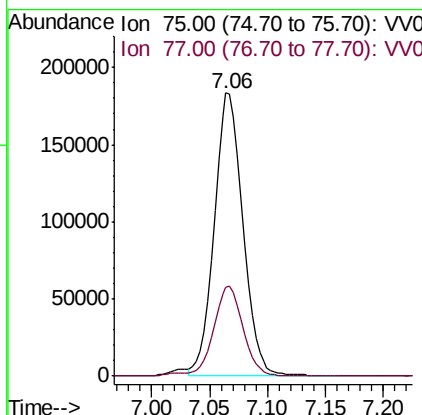
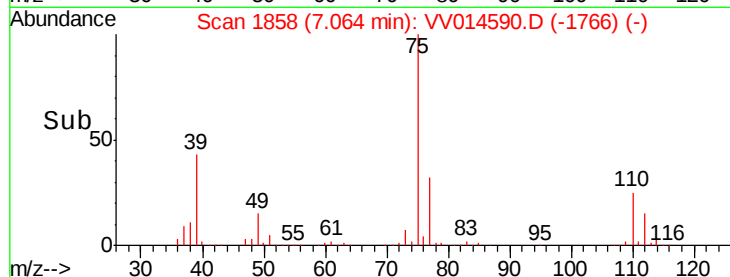
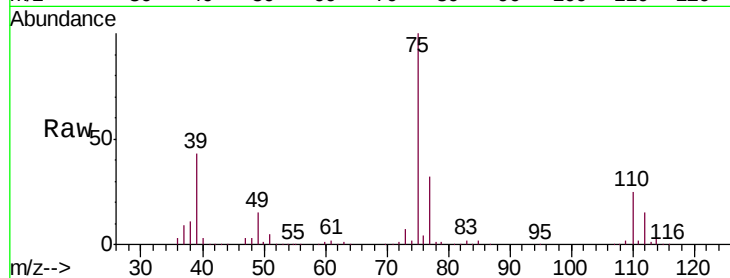


#39

cis-1,3-Dichloropropene
Concen: 91.770 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

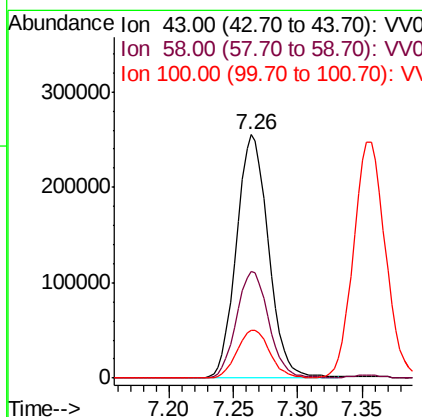
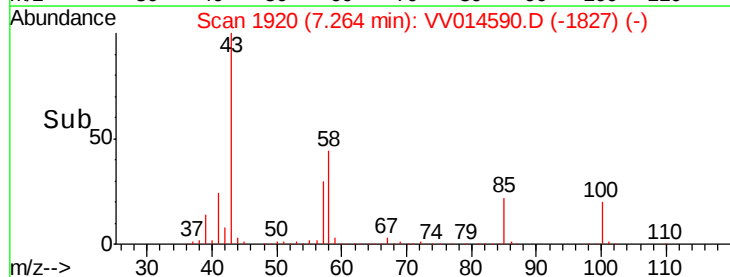
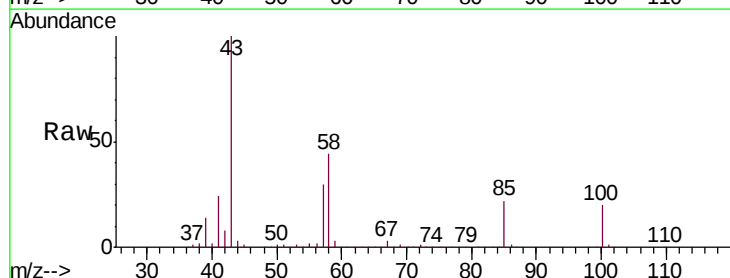
Tgt Ion: 75 Resp: 316139
Ion Ratio Lower Upper
75 100
77 31.6 22.3 41.5

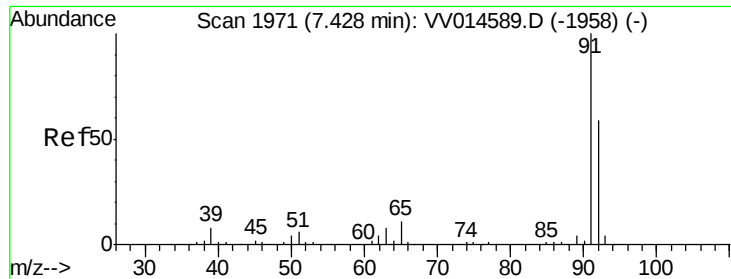


#40

4-Methyl-2-pentanone
Concen: 169.250 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Tgt Ion: 43 Resp: 441345
Ion Ratio Lower Upper
43 100
58 44.1 35.6 53.4
100 20.1 16.0 24.0





#42

Toluene

Concen: 89.535 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampled :

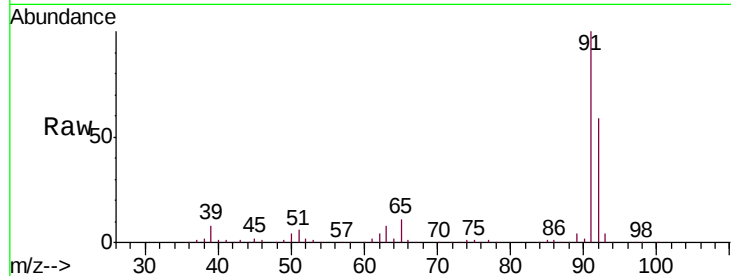
VSTD100205

Tgt Ion: 91 Resp: 776899

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV014589.D (-1958) (-)

7.43

400000

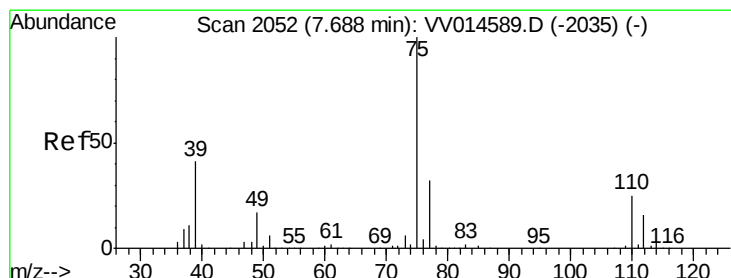
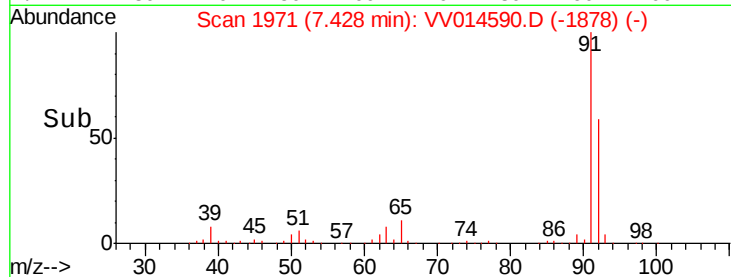
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 94.172 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014590.D

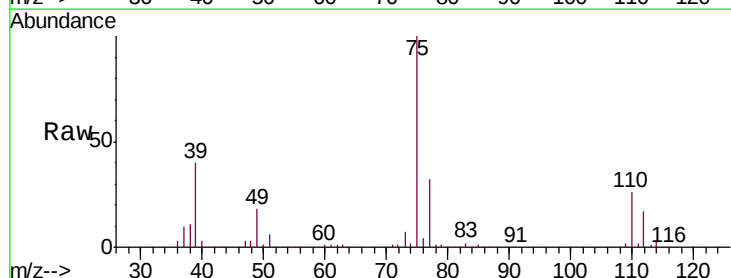
Acq: 17 Feb 2020 12:27

Tgt Ion: 75 Resp: 290970

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV014589.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014589.D (-2035) (-)

7.69

200000

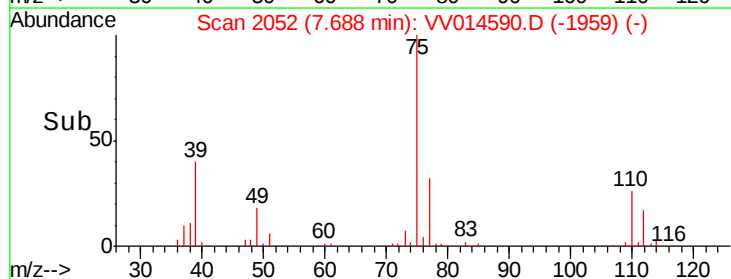
150000

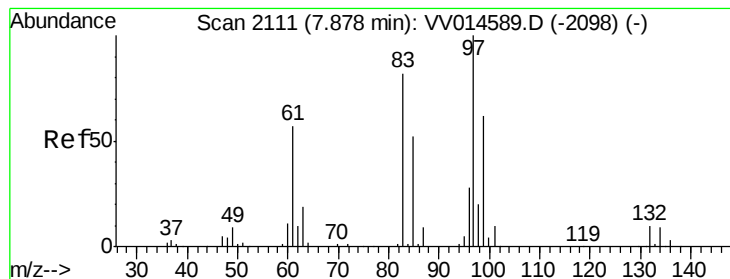
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 93.715 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

Tgt Ion: 97 Resp: 186653

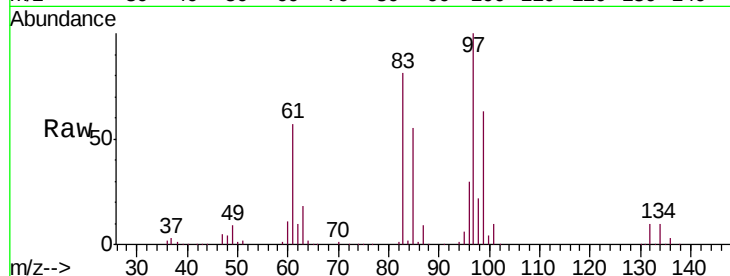
Ion Ratio Lower Upper

97 100

99 63.4 43.4 80.6

83 80.8 57.6 107.0

85 54.9 36.1 67.1

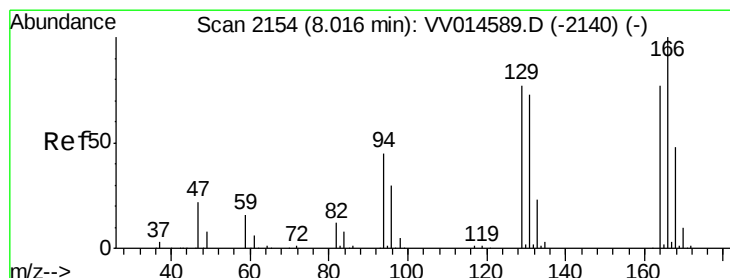
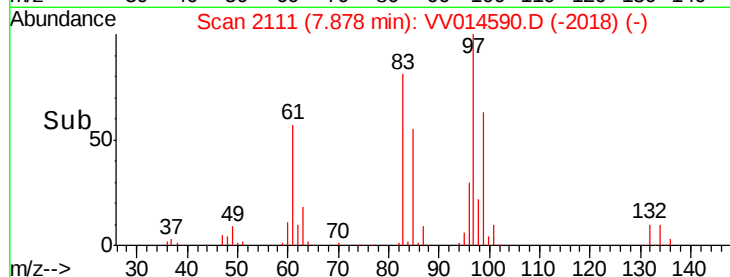
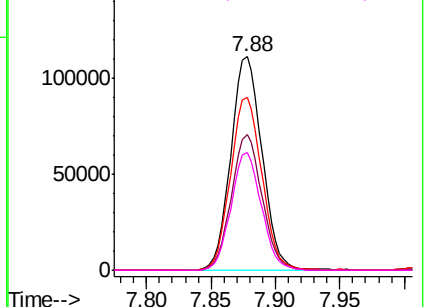


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 93.443 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Tgt Ion: 164 Resp: 153184

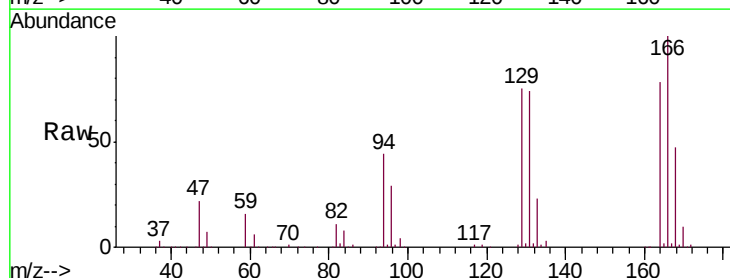
Ion Ratio Lower Upper

164 100

129 96.8 69.8 129.6

131 94.4 66.2 123.0

166 128.3 90.9 168.9

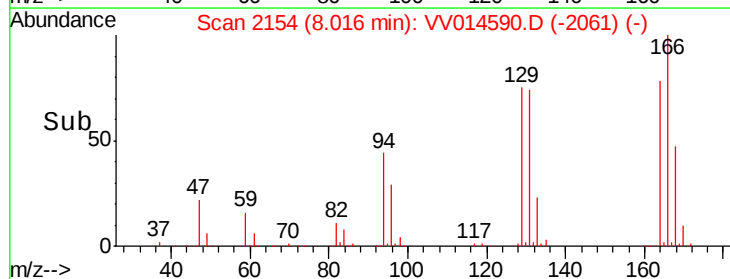
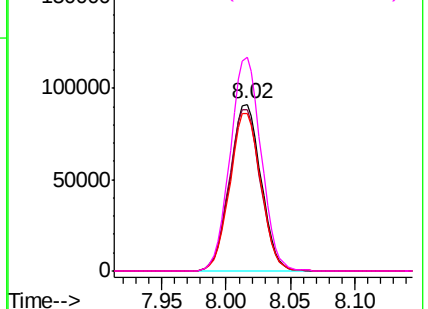


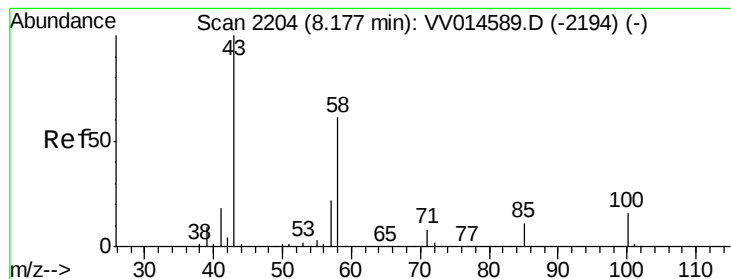
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 176.592 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

Tgt Ion: 43 Resp: 352588

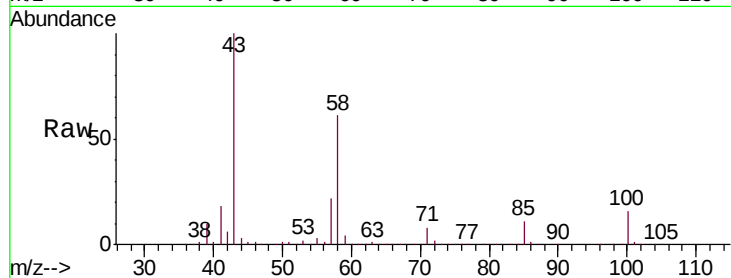
Ion Ratio Lower Upper

43 100

58 60.2 49.8 74.6

57 21.4 17.0 25.6

100 16.0 13.4 20.2

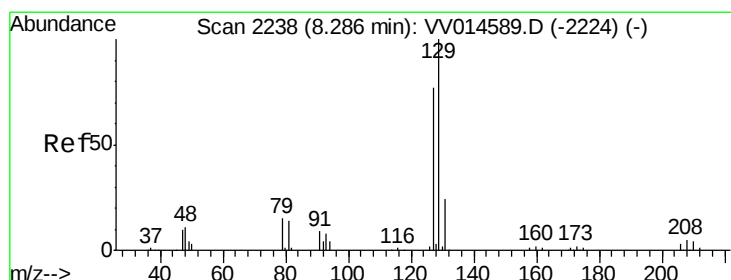
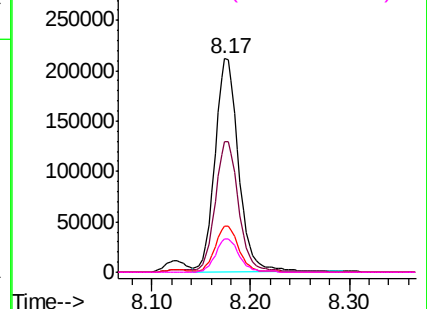
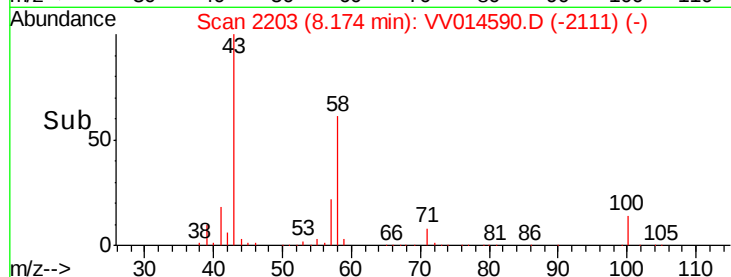


Abundance Ion 43.00 (42.70 to 43.70): VV014589.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV014589.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV014589.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV014589.D (-2194) (-)



#49

Dibromochloromethane

Concen: 99.374 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VV014590.D

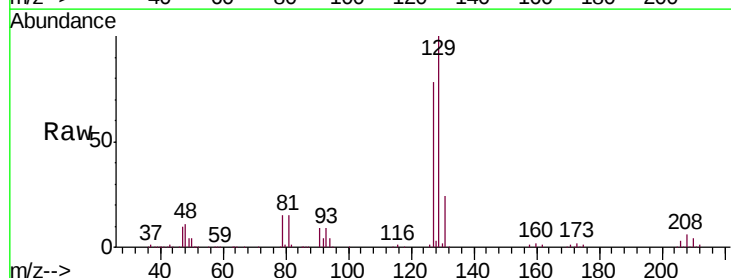
Acq: 17 Feb 2020 12:27

Tgt Ion: 129 Resp: 226305

Ion Ratio Lower Upper

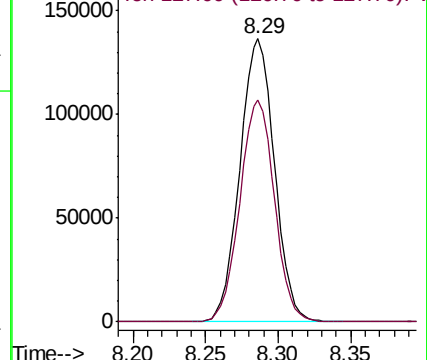
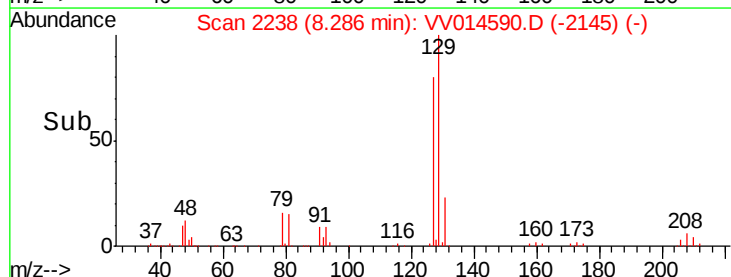
129 100

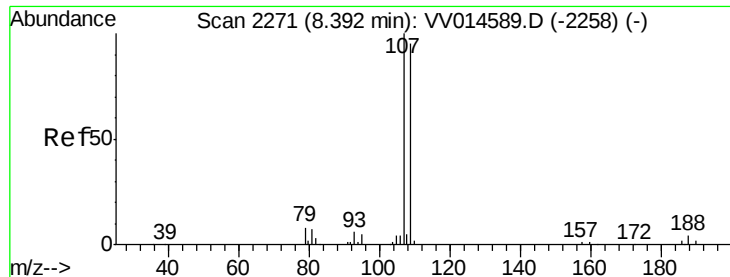
127 78.5 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VV014589.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): VV014589.D (-2224) (-)





#50

1,2-Dibromoethane

Concen: 95.245 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

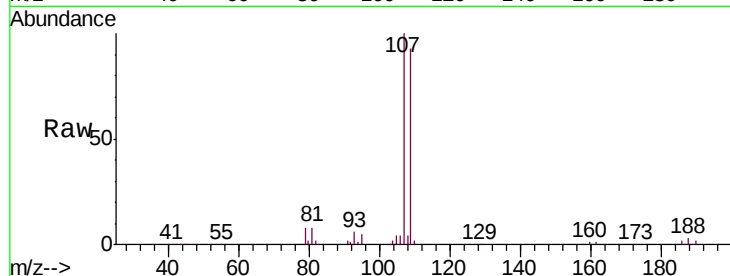
Tgt Ion:107 Resp: 205170

Ion Ratio Lower Upper

107 100

109 92.7 66.5 123.5

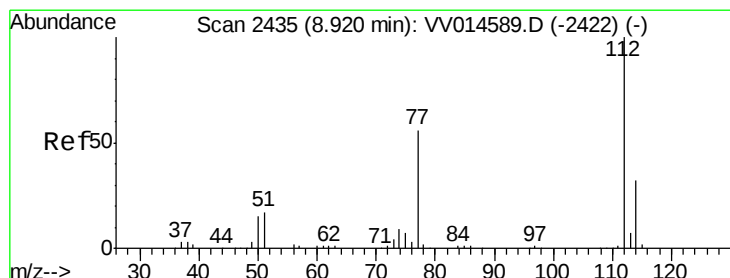
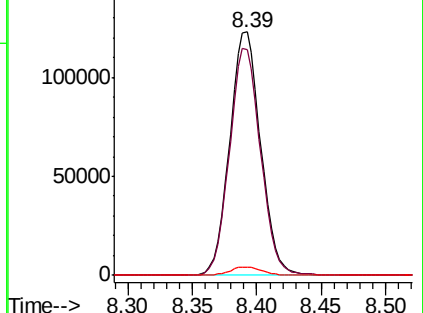
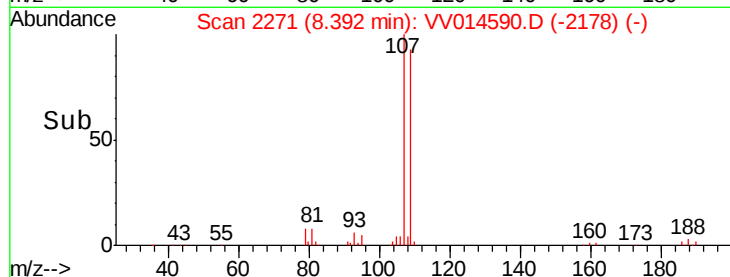
188 3.5 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 91.891 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

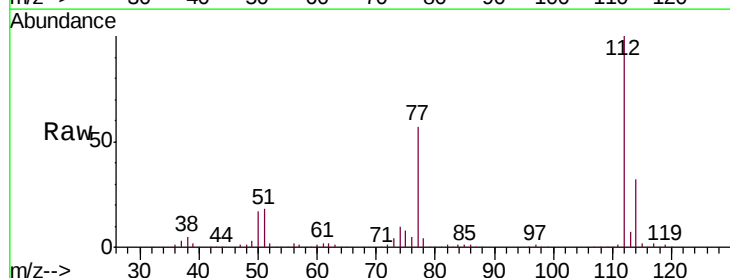
Tgt Ion:112 Resp: 523703

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

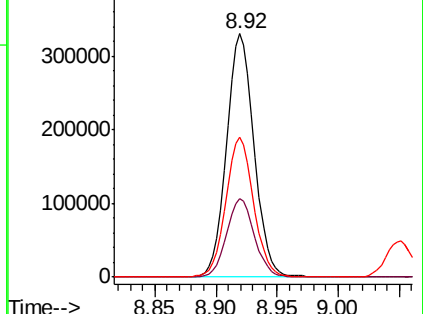
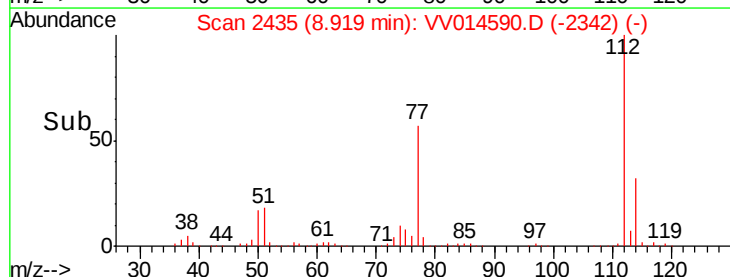
77 57.5 45.5 68.3

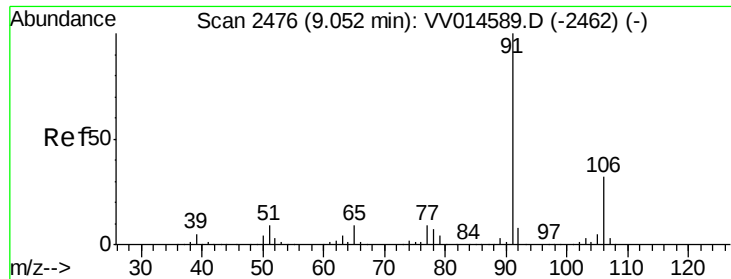


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 91.982 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

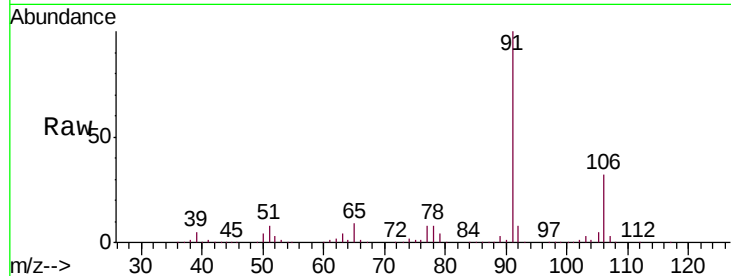
VSTD100205

Tgt Ion: 91 Resp: 896637

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV014589.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014589.D (-2462) (-)

9.05

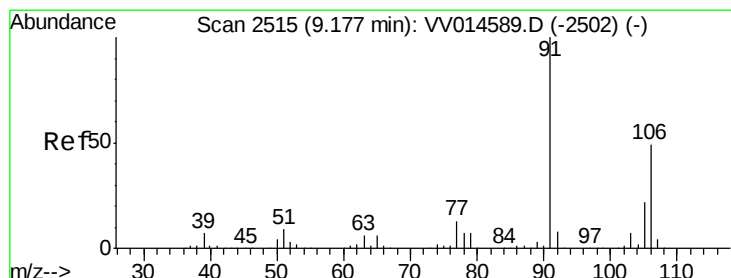
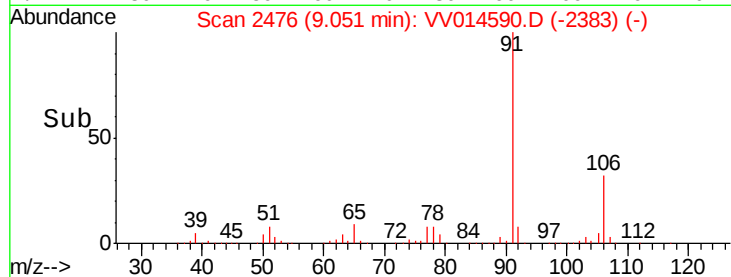
600000

400000

200000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 92.156 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014590.D

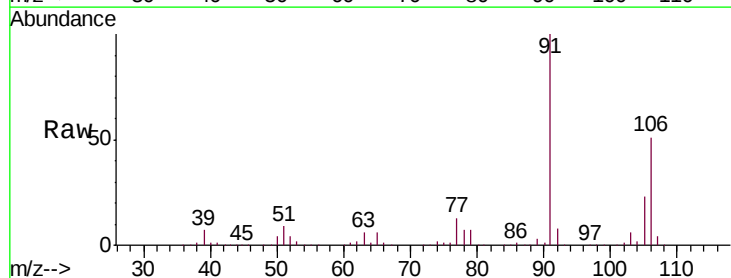
Acq: 17 Feb 2020 12:27

Tgt Ion: 106 Resp: 346447

Ion Ratio Lower Upper

106 100

91 198.0 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VV014589.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014589.D (-2502) (-)

9.18

500000

400000

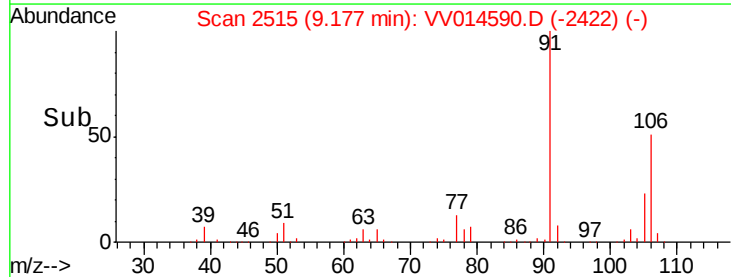
300000

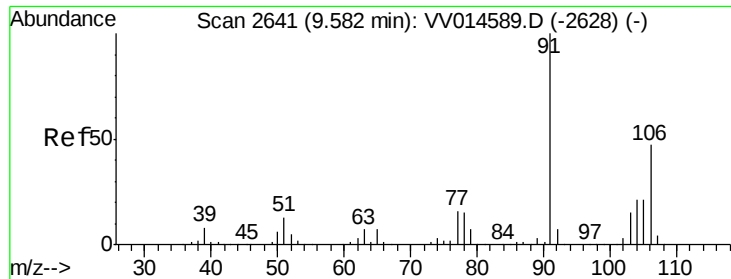
200000

100000

0

Time--> 9.10 9.15 9.20 9.25

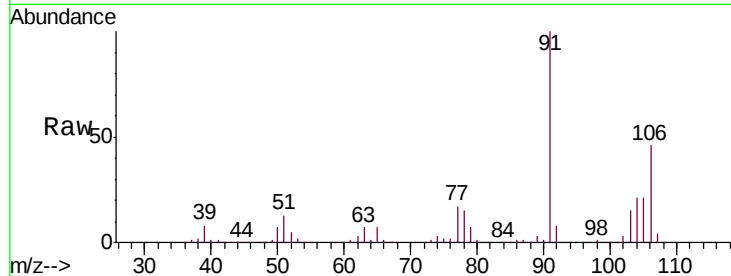




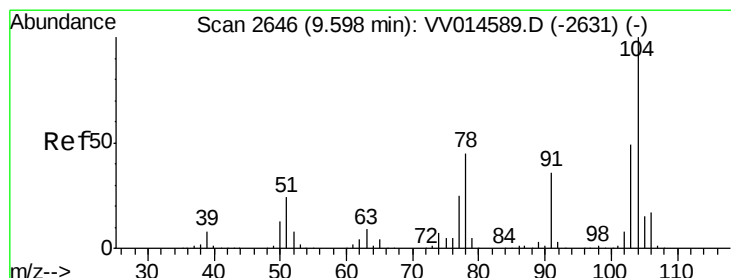
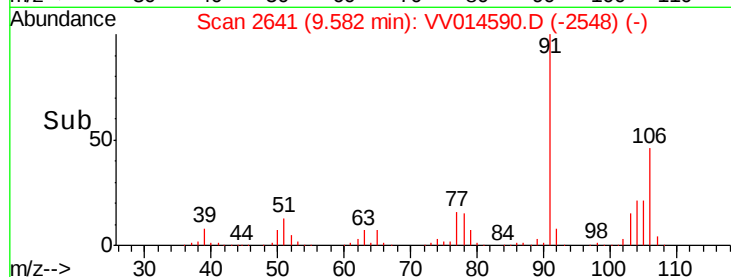
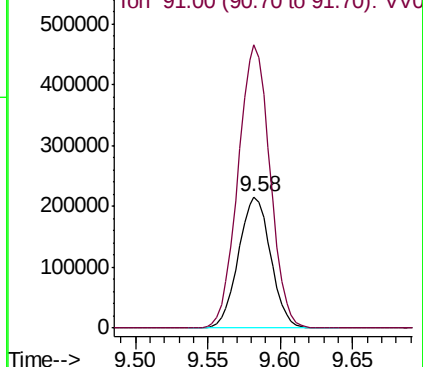
#54
o-Xylene
Concen: 92.465 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Tgt Ion:106 Resp: 333132
Ion Ratio Lower Upper
106 100
91 215.8 150.5 279.5

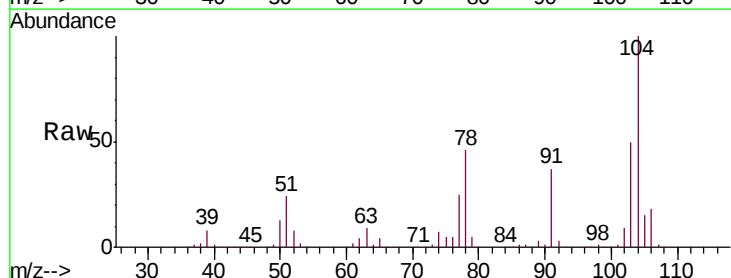


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

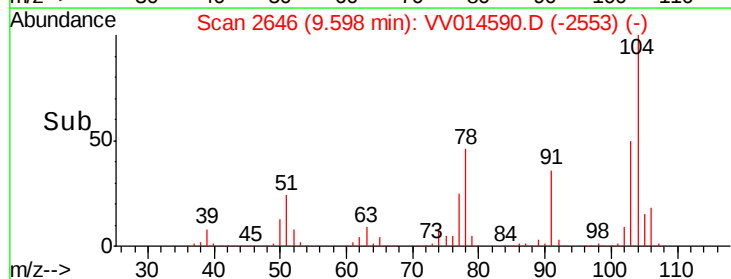
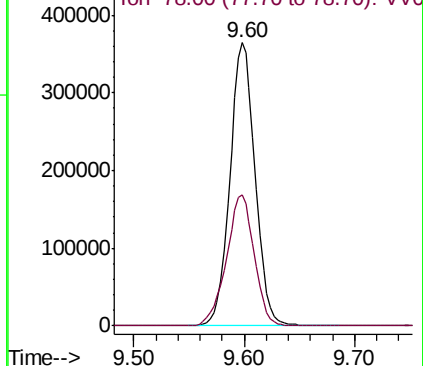


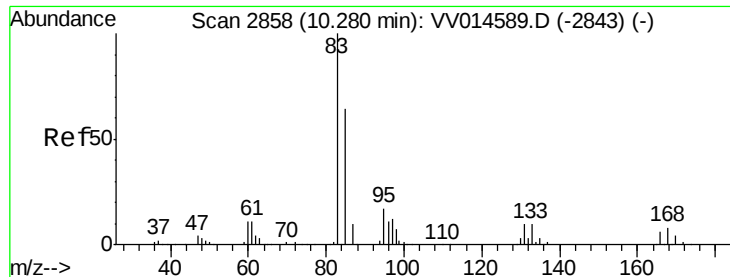
#55
Styrene
Concen: 93.532 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Tgt Ion:104 Resp: 574955
Ion Ratio Lower Upper
104 100
78 46.2 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

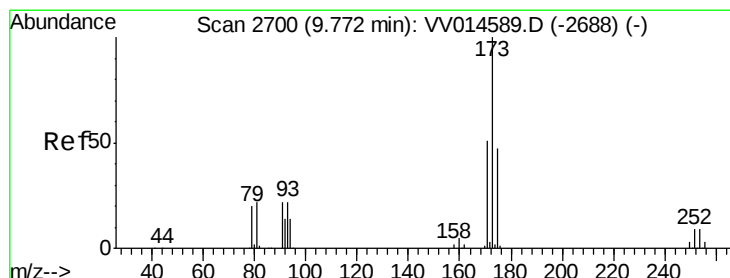
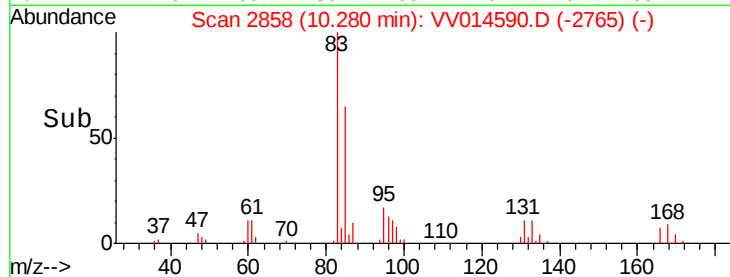
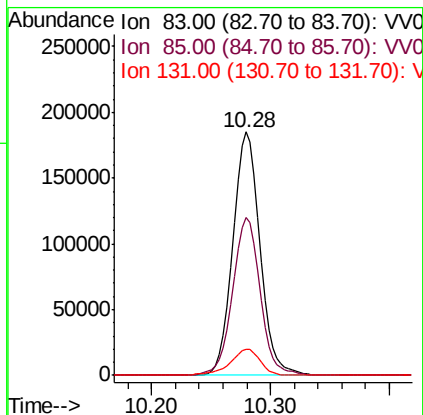
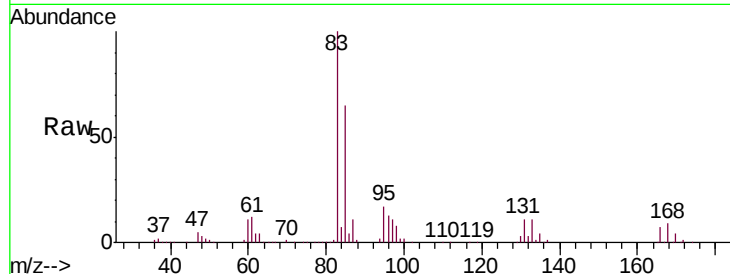




#57
 1,1,2,2-Tetrachloroethane
 Concen: 93.937 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

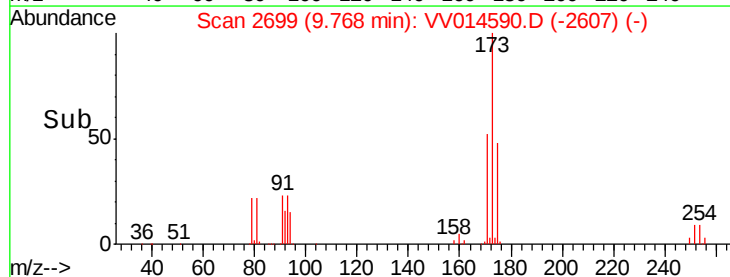
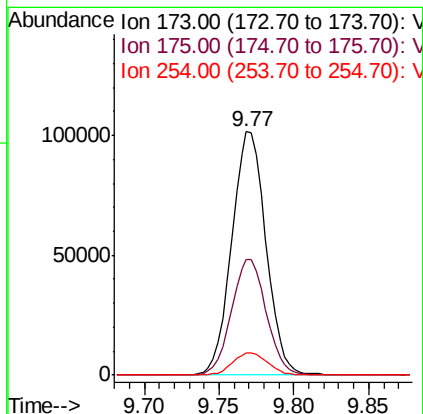
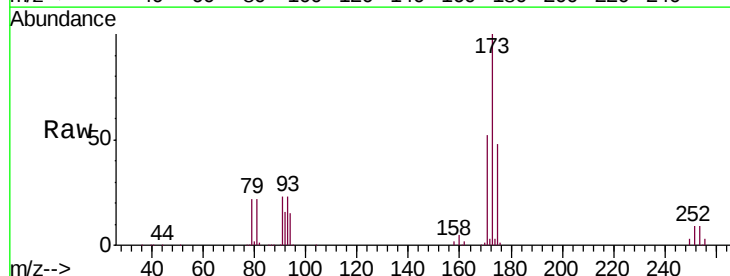
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100205

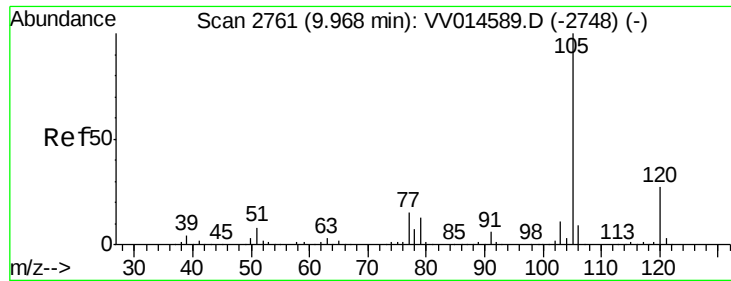
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.9	83.3
131	10.7	8.4	12.6



#59
 Bromoform
 Concen: 102.695 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.5	57.7
254	9.3	7.4	11.0





#60

Isopropylbenzene

Concen: 93.647 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

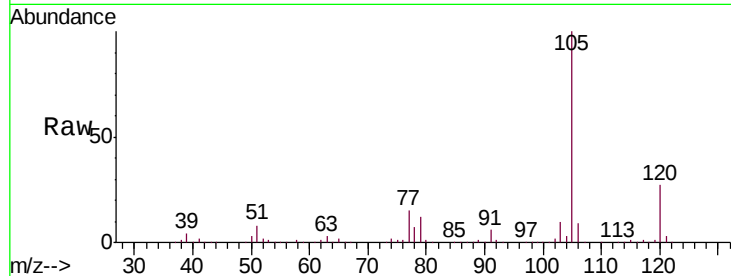
Tgt Ion: 105 Resp: 884929

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

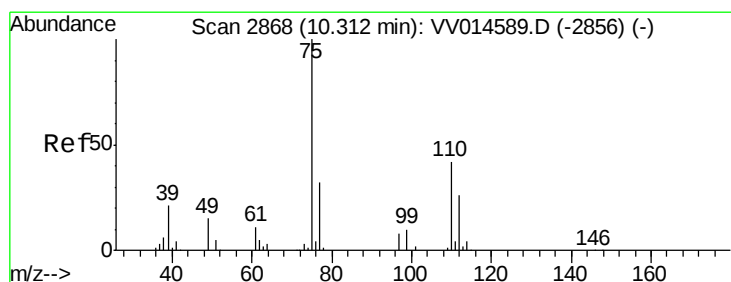
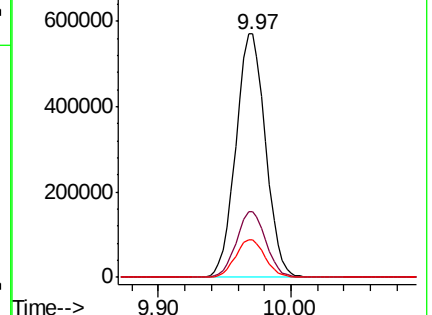
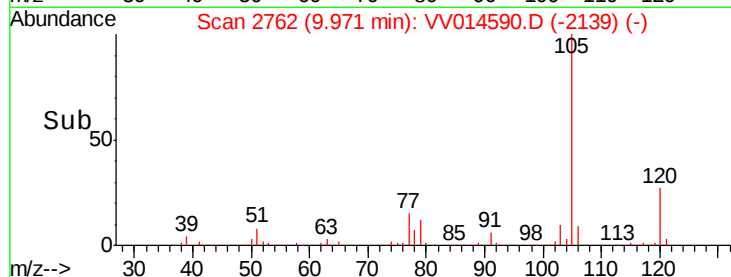
77 15.4 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 93.865 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

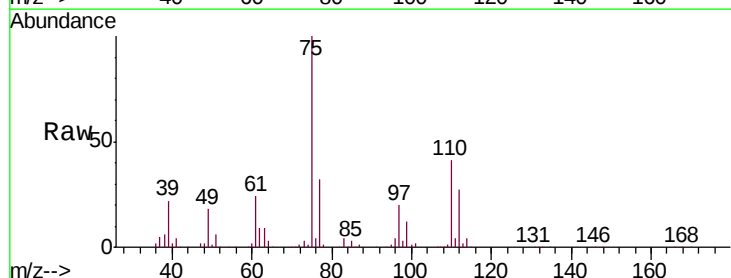
Tgt Ion: 75 Resp: 232188

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

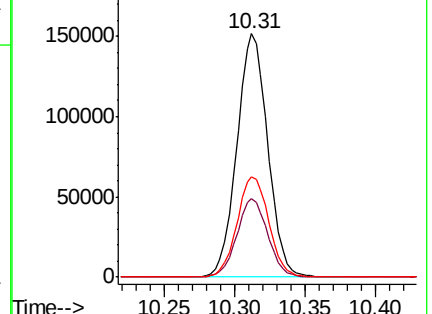
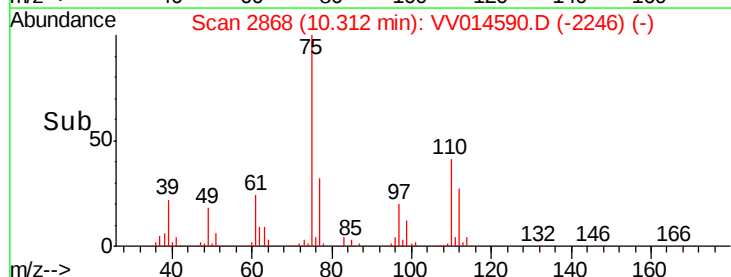
110 42.4 33.4 50.0

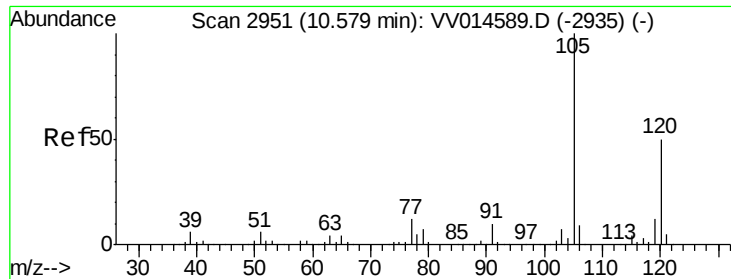


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 95.463 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

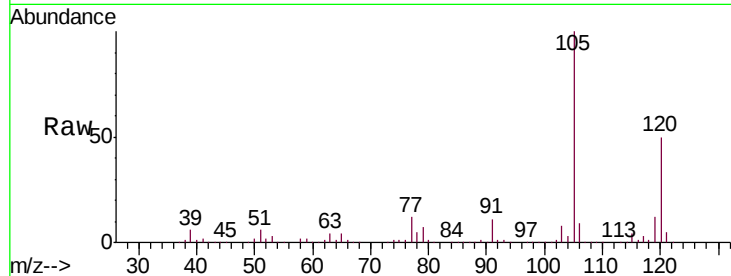
VSTD100205

Tgt Ion:105 Resp: 770780

Ion Ratio Lower Upper

105 100

120 49.2 39.8 59.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

0

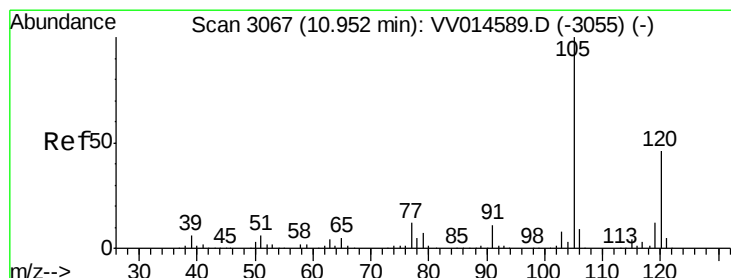
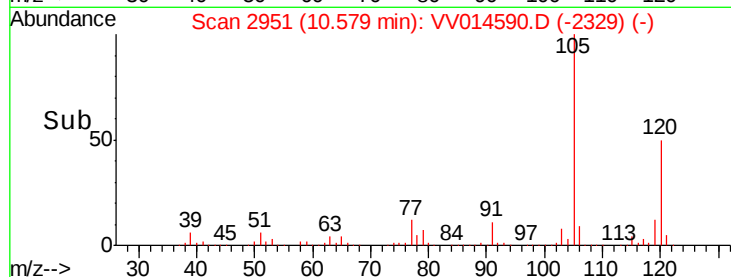
10.50

10.58

10.60

10.70

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 95.581 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV014590.D

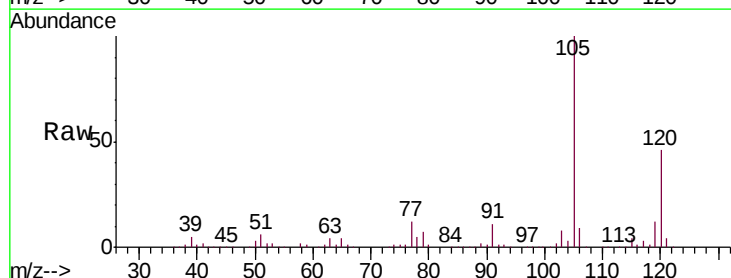
Acq: 17 Feb 2020 12:27

Tgt Ion:105 Resp: 759843

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

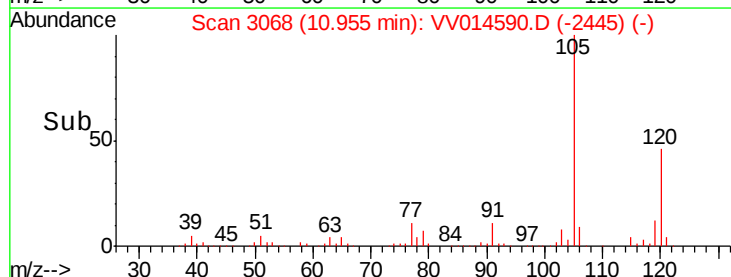
0

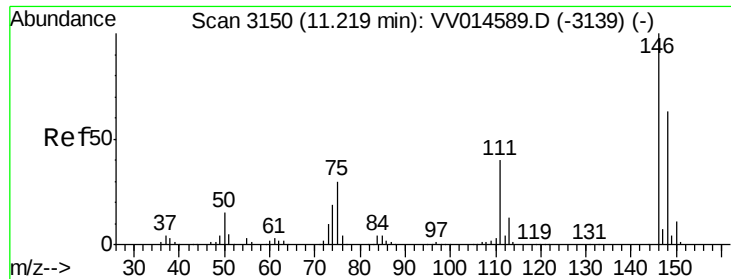
10.90

10.95

11.00

Time-->





#64

1,3-Dichlorobenzene

Concen: 93.298 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD100205

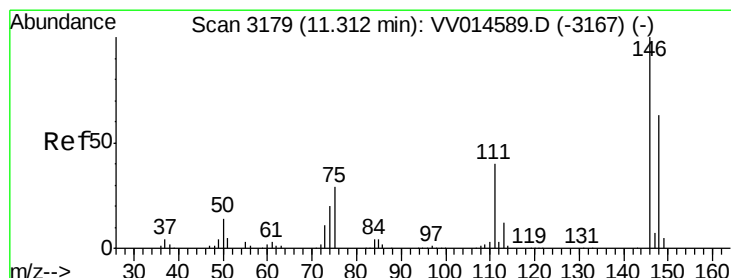
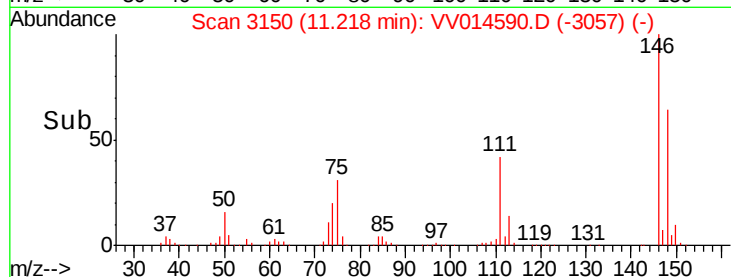
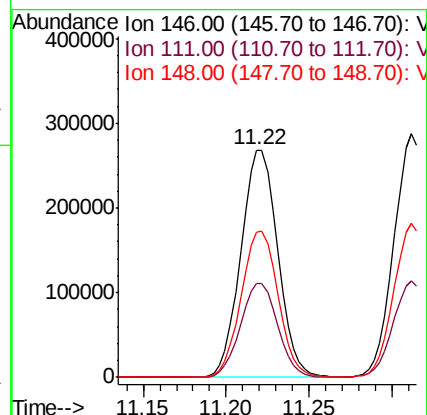
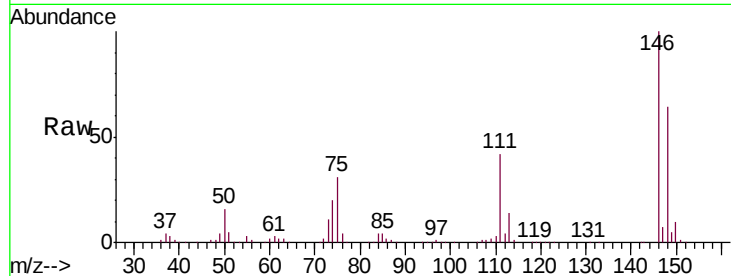
Tgt Ion:146 Resp: 416333

Ion Ratio Lower Upper

146 100

111 41.6 28.3 52.5

148 64.0 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 94.030 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014590.D

Acq: 17 Feb 2020 12:27

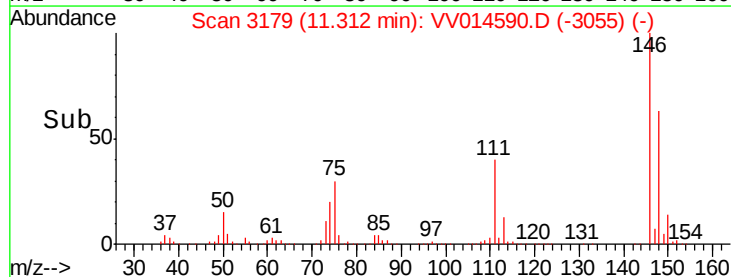
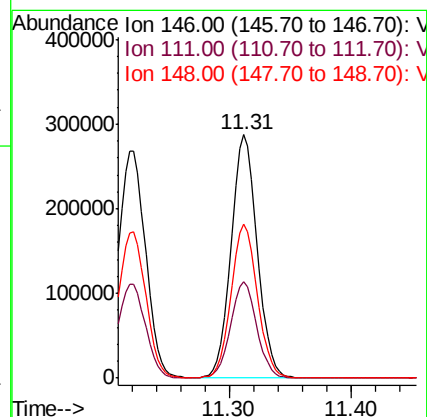
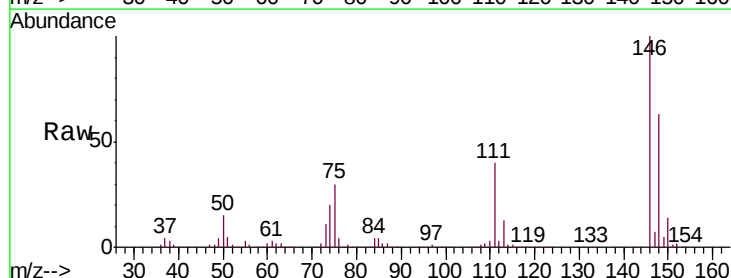
Tgt Ion:146 Resp: 431224

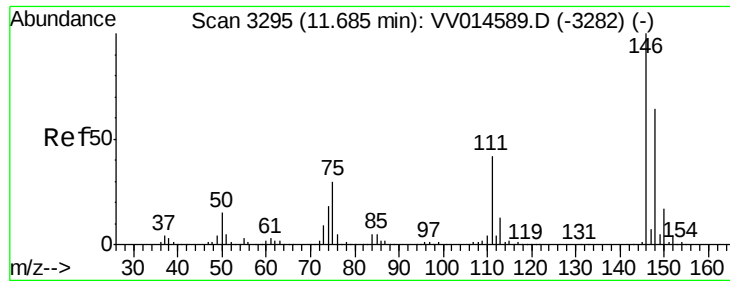
Ion Ratio Lower Upper

146 100

111 39.7 27.9 51.9

148 63.2 44.2 82.2

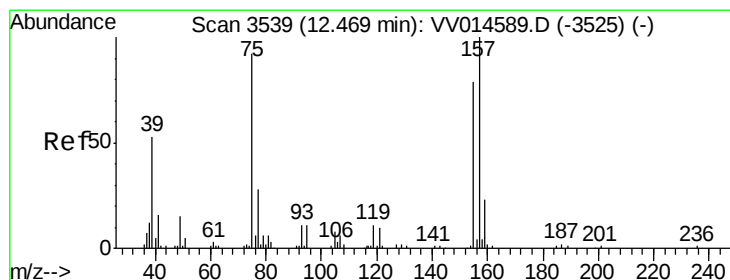
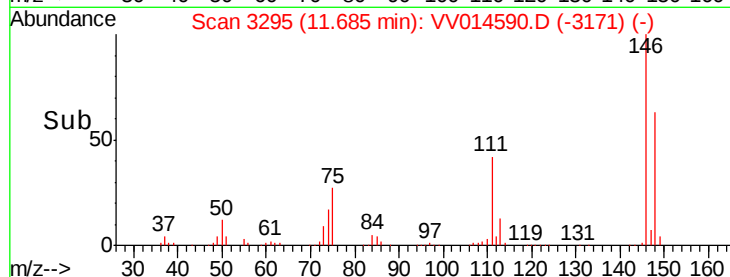
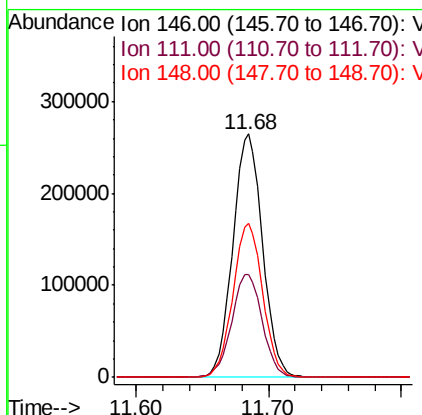
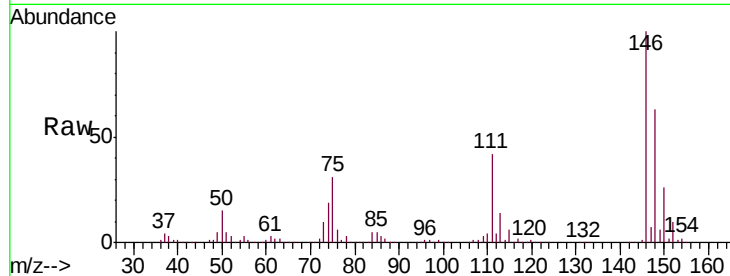




#67
 1,2-Dichlorobenzene
 Concen: 94.693 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

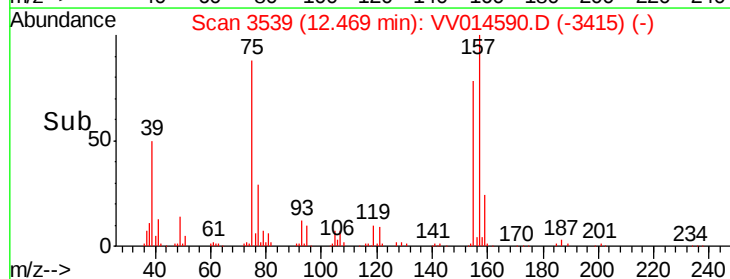
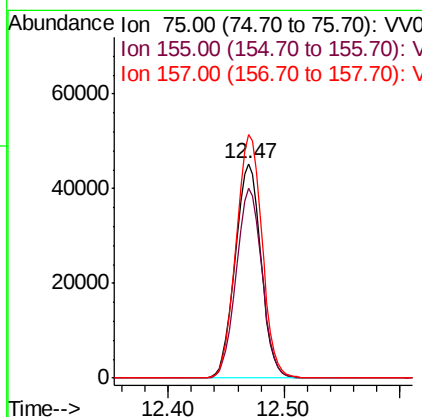
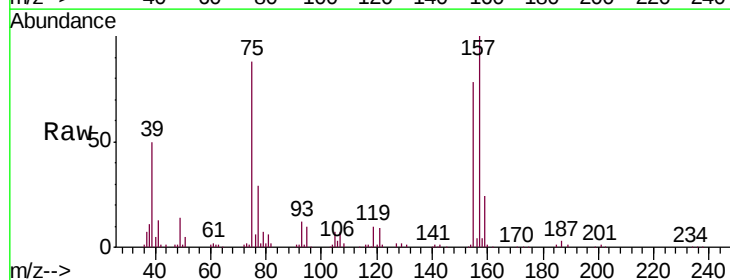
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100205

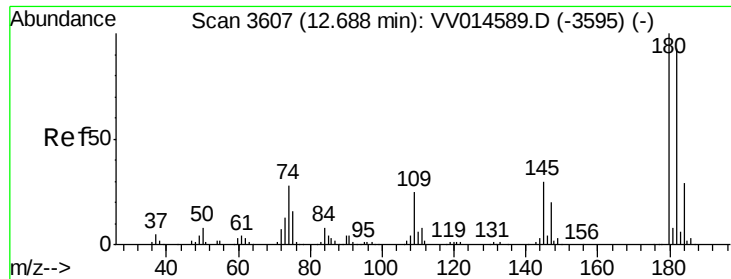
Tgt Ion: 146 Resp: 411527
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.1 51.1
 148 63.2 51.1 76.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 99.344 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

Tgt Ion: 75 Resp: 69362
 Ion Ratio Lower Upper
 75 100
 155 88.5 69.4 104.0
 157 113.5 87.4 131.0

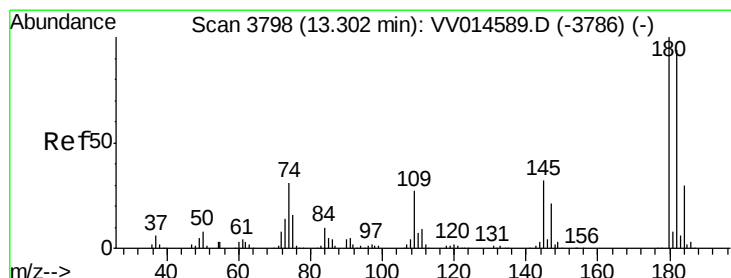
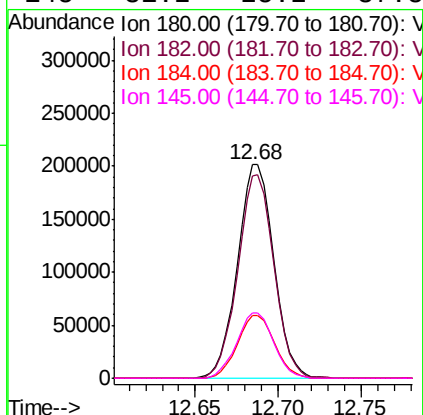
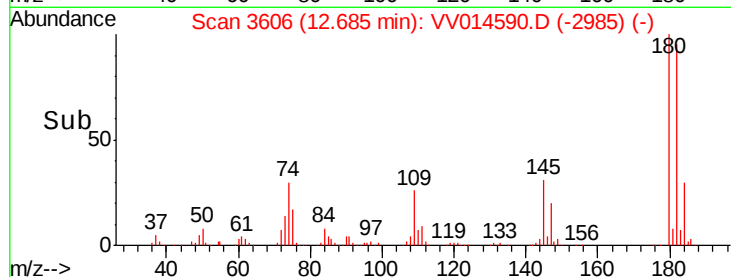
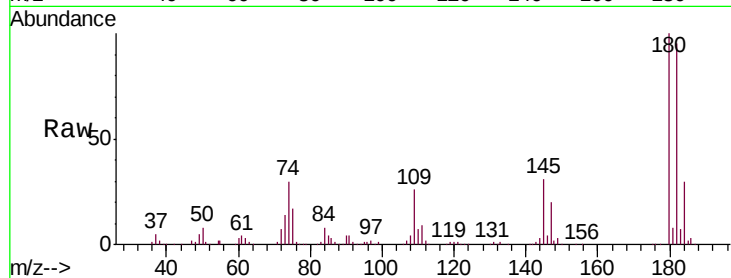




#69
 1,3,5-Trichlorobenzene
 Concen: 97.152 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

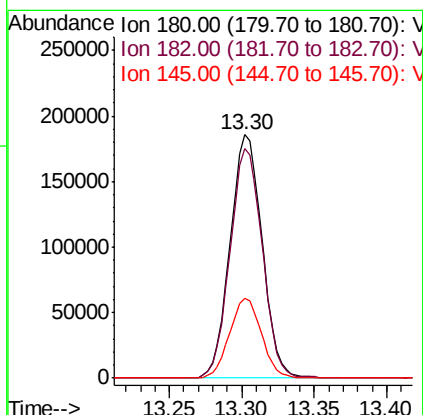
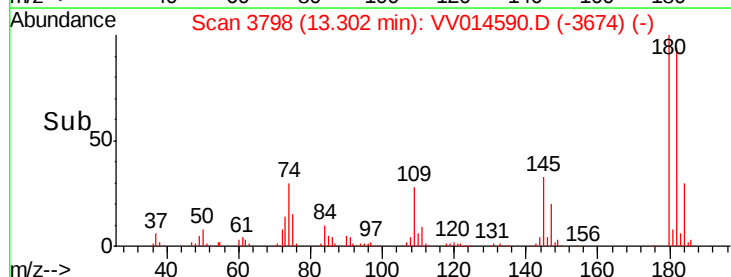
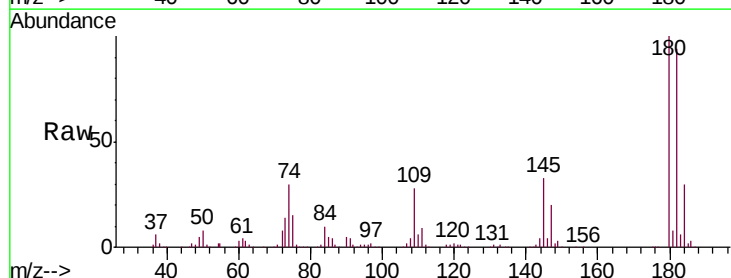
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100205

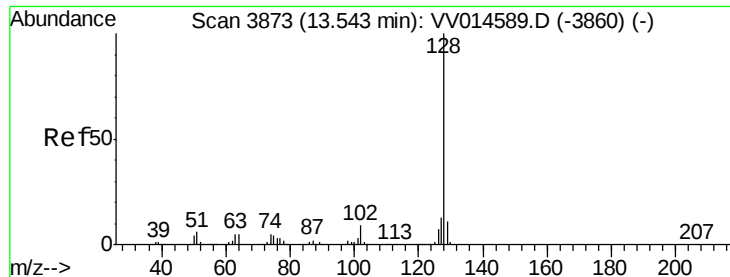
Tgt Ion:	180	Resp:	306597
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
184	30.0	23.4	35.2
145	31.2	25.2	37.8



#70
 1,2,4-trichlorobenzene
 Concen: 98.643 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014590.D
 Acq: 17 Feb 2020 12:27

Tgt Ion:	180	Resp:	284940
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	32.7	25.5	38.3

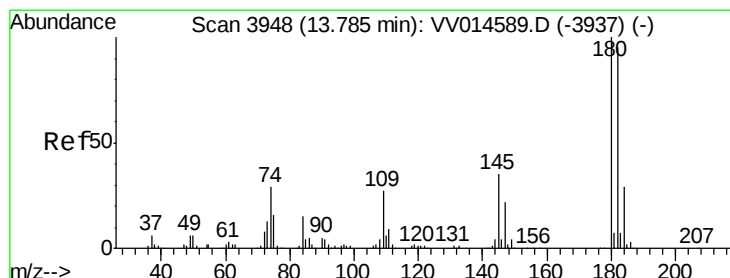
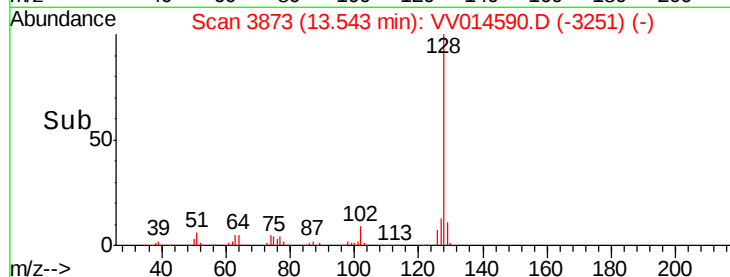
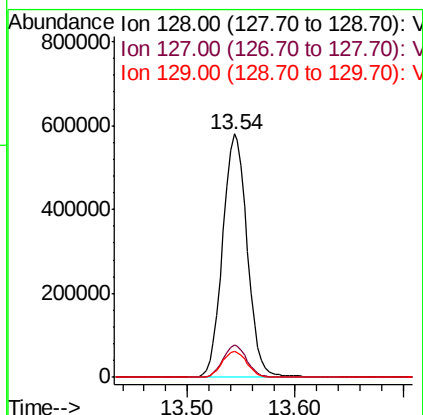
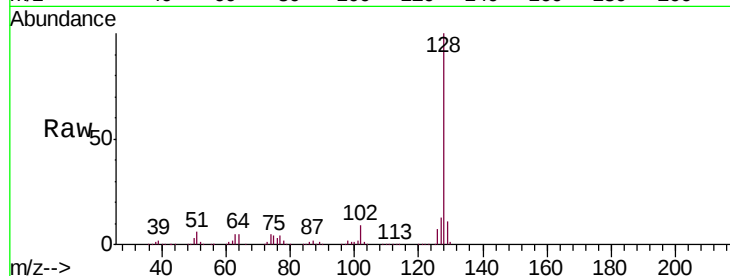




#71
Naphthalene
Concen: 97.249 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD100205

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 99.027 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014590.D
Acq: 17 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	34.5	27.7	41.5

