

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018595.D
 Acq On : 01 Oct 2020 17:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Oct 01 23:39:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 23:37:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316111	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	303581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100349	54.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.26%
7) Chloroethane-d5	1.58	69	92117	60.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.18%
11) 1,1-Dichloroethene-d2	2.12	63	215122	56.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.90%
21) 2-Butanone-d5	3.92	46	125054	90.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.43%
24) Chloroform-d	4.38	84	198196	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.06	65	127067	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
32) Benzene-d6	5.07	84	381379	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	114434	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.34	98	365000	50.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.90%
43) trans-1,3-Dichloropropene-	7.64	79	62250	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.11	63	84611	95.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	145029	47.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	153078	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	100424	46.722	ug/L 99
3) Chloromethane	1.25	50	104285	45.344	ug/L 99
5) Vinyl chloride	1.32	62	112372	46.472	ug/L 100
6) Bromomethane	1.53	94	89070	54.122	ug/L 97
8) Chloroethane	1.60	64	80700	54.158	ug/L 99
9) Trichlorofluoromethane	1.77	101	199615	54.316	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109887	53.423	ug/L 99
12) 1,1-Dichloroethene	2.13	96	103720	52.561	ug/L 96
13) Acetone	2.20	43	124651	104.332	ug/L 99
14) Carbon disulfide	2.31	76	292517	45.760	ug/L 100
15) Methyl Acetate	2.45	43	103816	45.103	ug/L 100
16) Methylene chloride	2.52	84	113950	48.112	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	107703	47.698	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	335331	48.742	ug/L 99
19) 1,1-Dichloroethane	3.21	63	192422	48.670	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	118466	49.367	ug/L 100
22) 2-Butanone	4.00	43	149024	98.739	ug/L 100

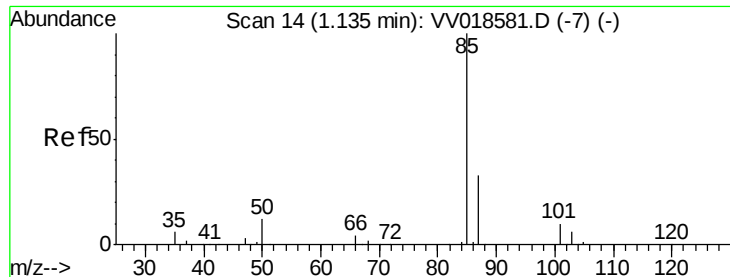
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018595.D
 Acq On : 01 Oct 2020 17:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Oct 01 23:39:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 23:37:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	62638	47.468	ug/L	98
25) Chloroform	4.40	83	205508	49.228	ug/L	100
27) 1,2-Dichloroethane	5.15	62	164615	50.591	ug/L	98
29) Cyclohexane	4.70	56	167362	48.337	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	188438	49.999	ug/L	100
31) Carbon tetrachloride	4.86	117	170946	50.539	ug/L	100
33) Benzene	5.13	78	436100	48.897	ug/L	100
34) Trichloroethene	5.94	95	128165	49.498	ug/L	98
35) Methylcyclohexane	6.15	83	162379	46.488	ug/L	99
37) 1,2-Dichloropropane	6.20	63	111172	48.584	ug/L	100
38) Bromodichloromethane	6.53	83	153468	50.080	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	180252	50.208	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	287946	97.522	ug/L	99
42) Toluene	7.41	91	481662	49.922	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	177787	50.412	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	109777	48.462	ug/L	98
46) Tetrachloroethene	8.00	164	110288	52.502	ug/L	99
48) 2-Hexanone	8.16	43	222536	96.597	ug/L	99
49) Dibromochloromethane	8.27	129	129566	50.009	ug/L	99
50) 1,2-Dibromoethane	8.37	107	118313	49.125	ug/L	96
51) Chlorobenzene	8.90	112	321186	49.208	ug/L	100
52) Ethylbenzene	9.03	91	535694	49.717	ug/L	100
53) m,p-Xylene	9.16	106	206806	49.664	ug/L	100
54) o-xylene	9.56	106	200212	50.784	ug/L	100
55) Styrene	9.58	104	350970	51.128	ug/L	96
56) Isopropylbenzene	9.95	105	525241	49.677	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	152412	47.735	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	136882	49.180	ug/L	100
61) Bromoform	9.75	173	95287	48.660	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	266831	48.364	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	278080	48.947	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	265284	48.604	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34940	46.893	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	180643	47.268	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	170873	48.049	ug/L	99
69) Naphthalene	13.52	128	503577	49.468	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	172534	48.329	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.722 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

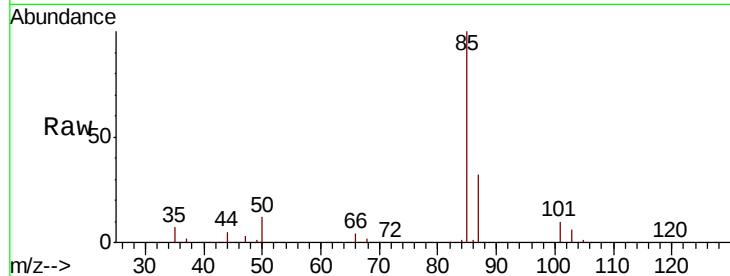
VSTD05097

Tot Ion: 85 Resp: 100424

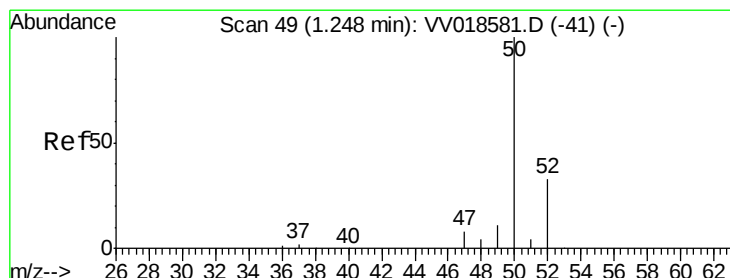
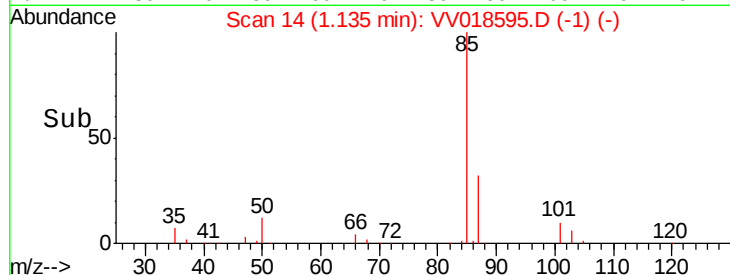
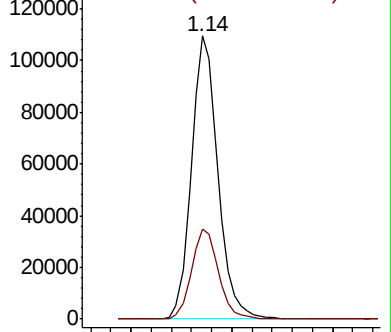
Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018581.D (-7) (-)



#3

Chloromethane

Concen: 45.344 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018595.D

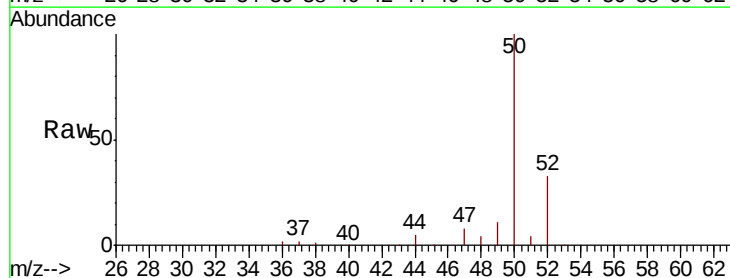
Acq: 01 Oct 2020 17:37

Tgt Ion: 50 Resp: 104285

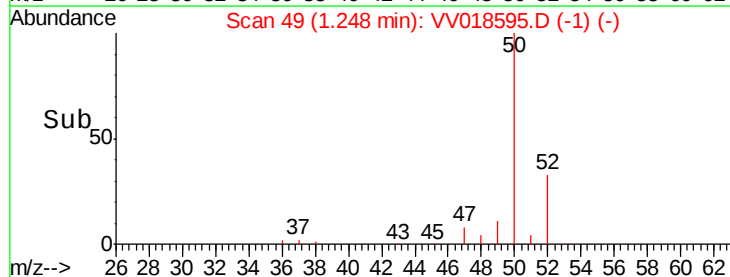
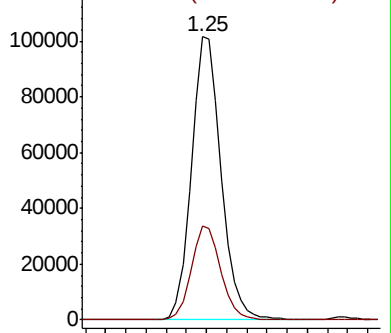
Ion Ratio Lower Upper

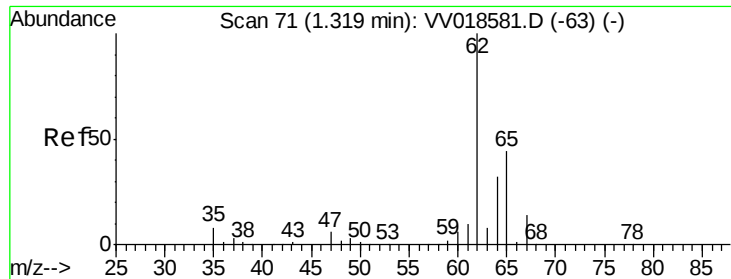
50 100

52 33.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018581.D (-41) (-)





#5

Vinyl chloride

Concen: 46.472 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

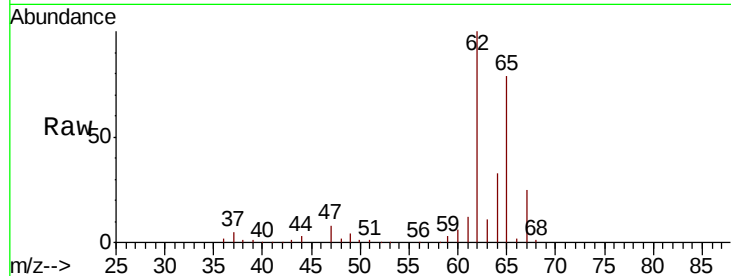
VSTD05097

Tot Ion: 62 Resp: 112372

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

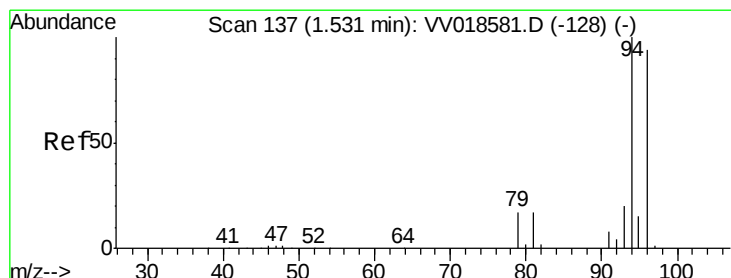
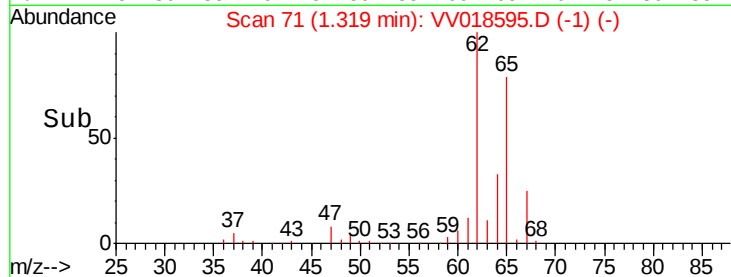
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 54.122 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018595.D

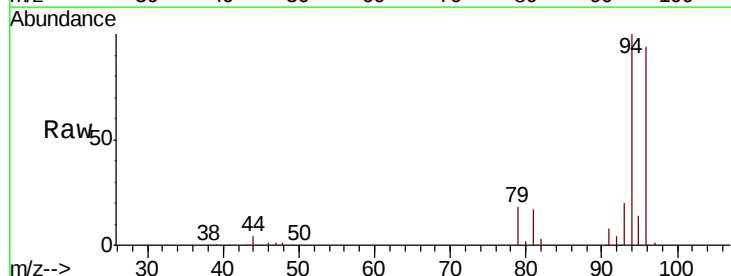
Acq: 01 Oct 2020 17:37

Tgt Ion: 94 Resp: 89070

Ion Ratio Lower Upper

94 100

96 93.9 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

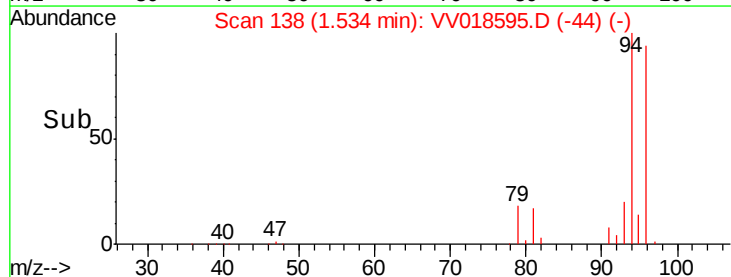
60000

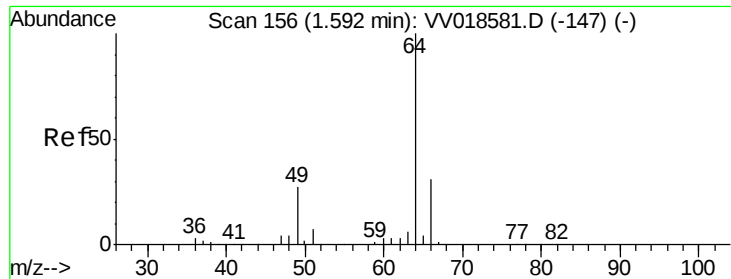
40000

20000

0

Time-->





#8

Chloroethane

Concen: 54.158 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

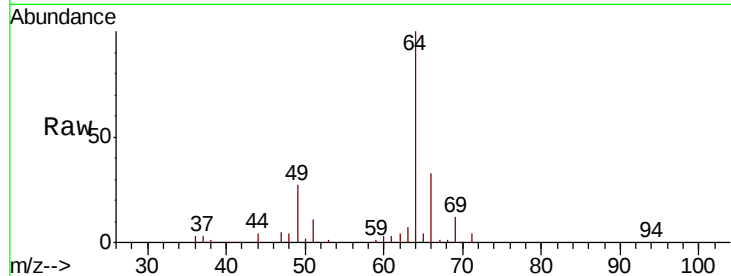
VSTD05097

Tot Ion: 64 Resp: 80700

Ion Ratio Lower Upper

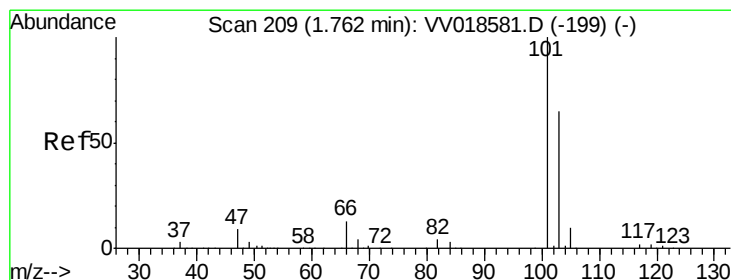
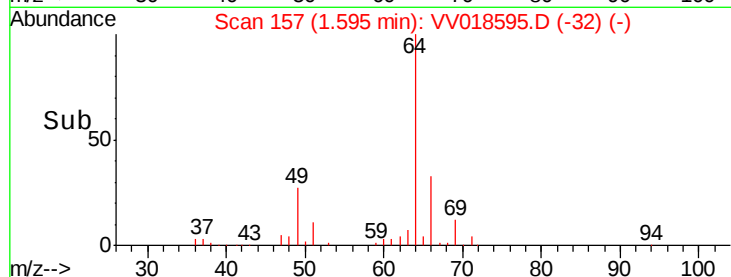
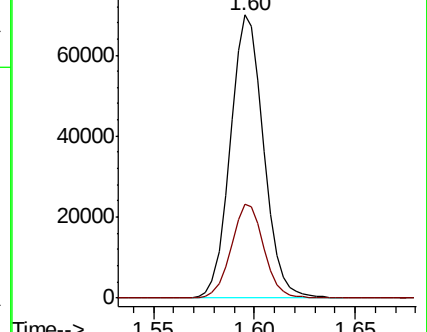
64 100

66 33.0 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018581.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018581.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 54.316 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018595.D

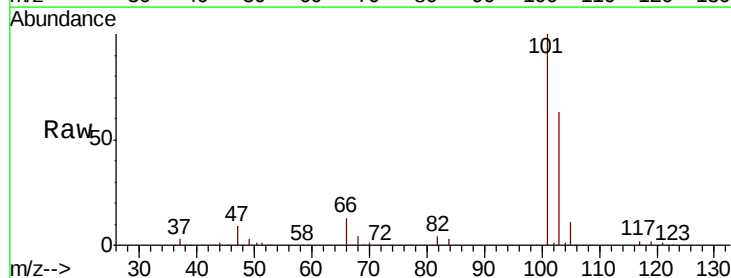
Acq: 01 Oct 2020 17:37

Tgt Ion: 101 Resp: 199615

Ion Ratio Lower Upper

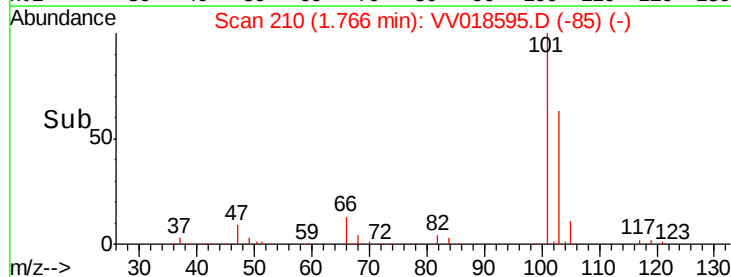
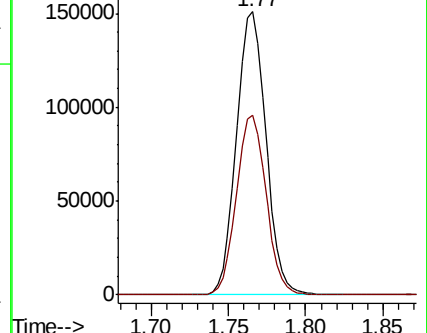
101 100

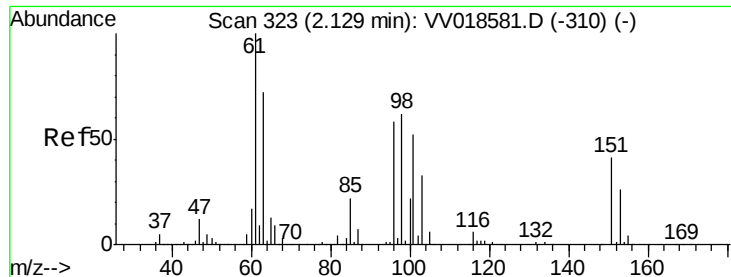
103 63.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018581.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018581.D (-199) (-)





#10

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

Concen: 53.423 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

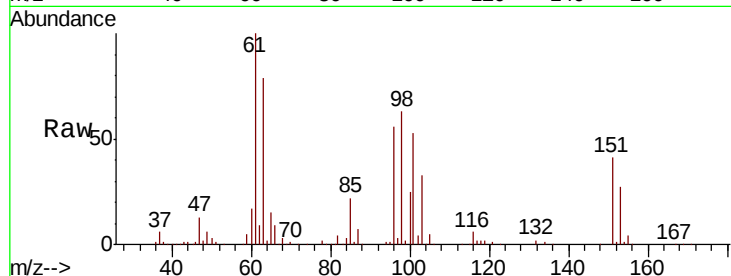
Tot Ion:101 Resp: 109887

Ion Ratio Lower Upper

101 100

85 43.4 34.6 52.0

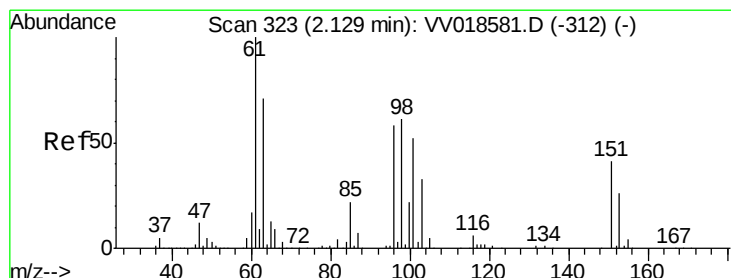
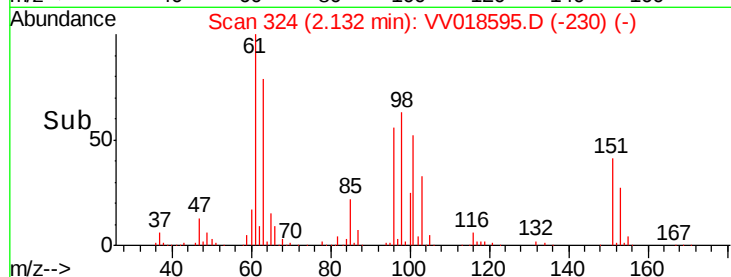
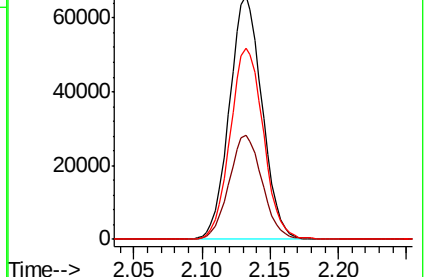
151 79.7 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018581.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV018581.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV018581.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 52.561 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

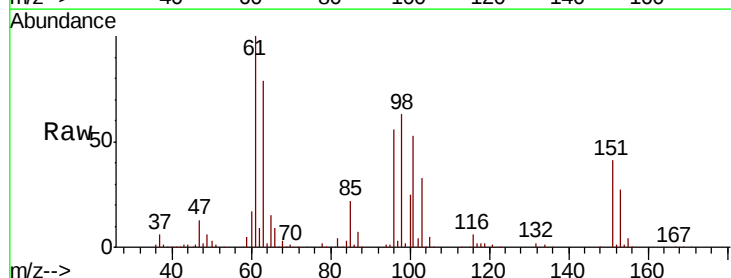
Tgt Ion: 96 Resp: 103720

Ion Ratio Lower Upper

96 100

61 177.1 122.8 228.1

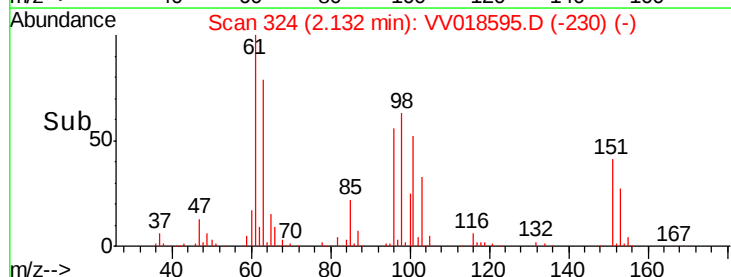
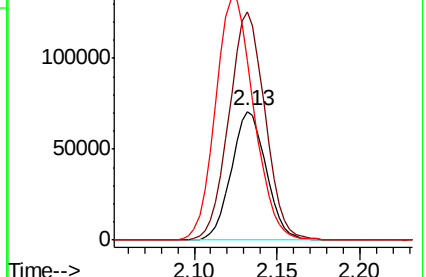
63 139.6 91.9 170.7

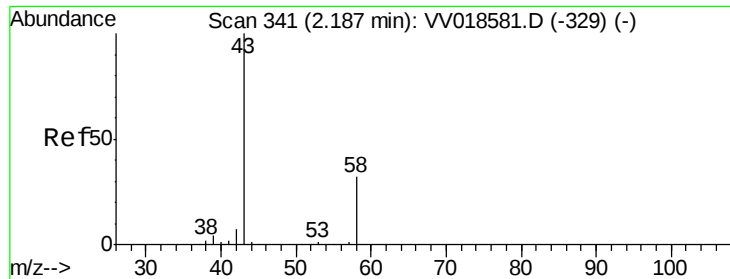


Abundance Ion 96.00 (95.70 to 96.70): VV018581.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018581.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018581.D (-312) (-)





#13

Acetone

Concen: 104.332 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

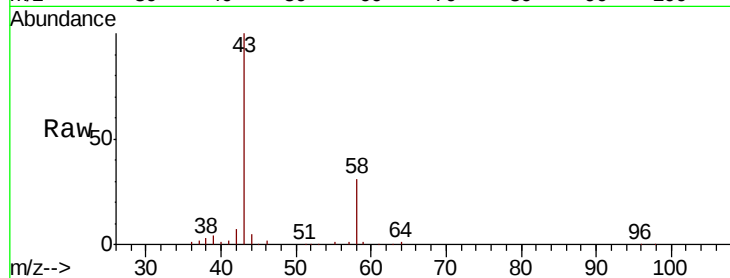
VSTD05097

Tot Ion: 43 Resp: 124651

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018581.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018581.D (-329) (-)

2.20

50000

40000

30000

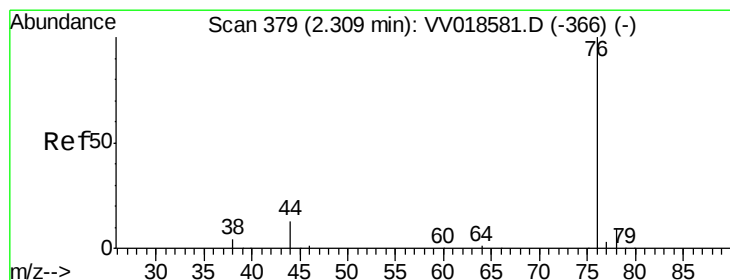
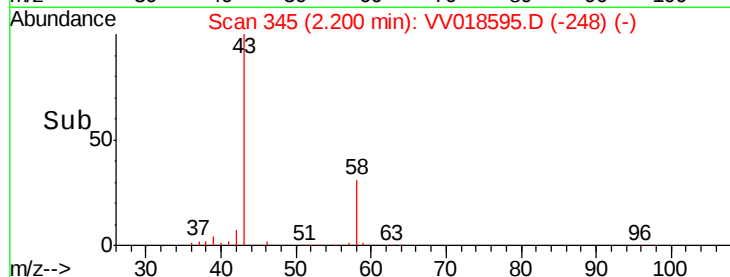
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 45.760 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018595.D

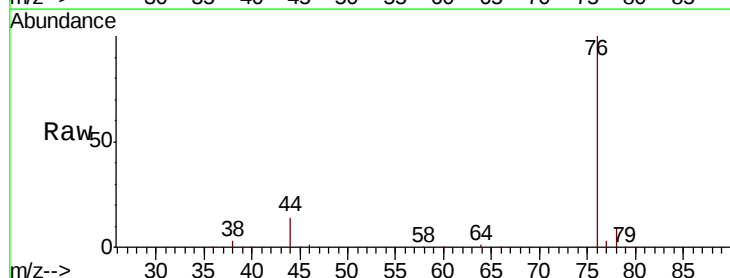
Acq: 01 Oct 2020 17:37

Tgt Ion: 76 Resp: 292517

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018581.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV018581.D (-366) (-)

2.31

200000

150000

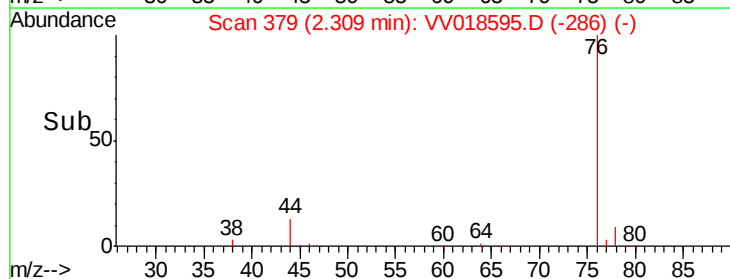
100000

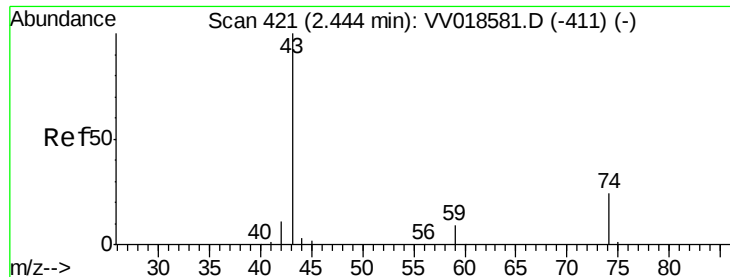
50000

0

Time-->

2.25 2.30 2.35 2.40

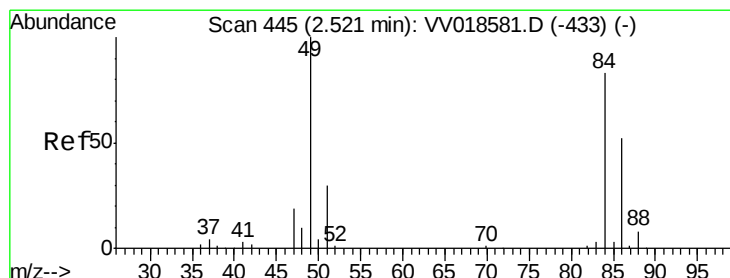
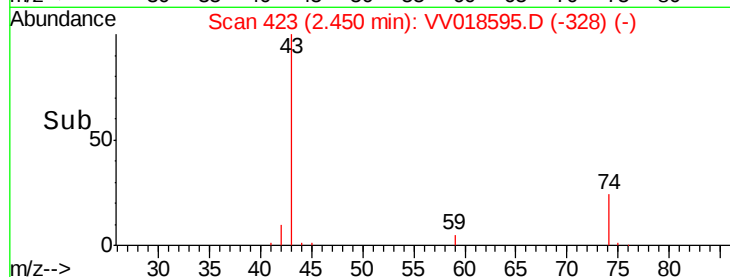
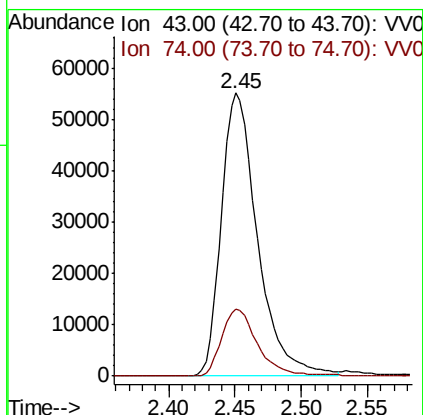
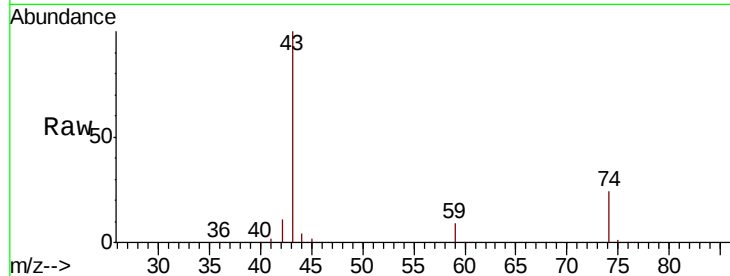




#15
Methvl Acetate
Concen: 45.103 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

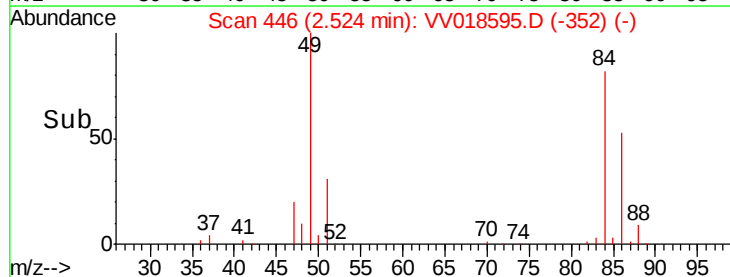
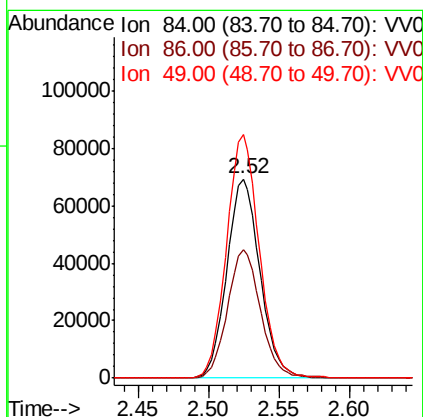
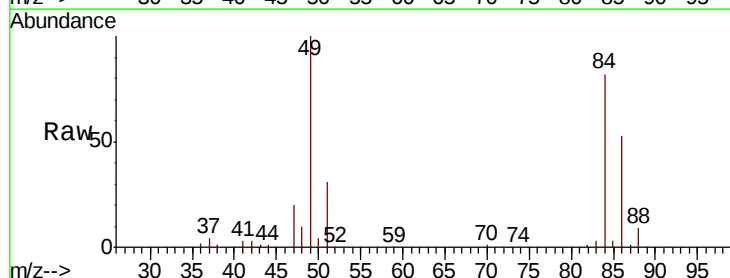
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

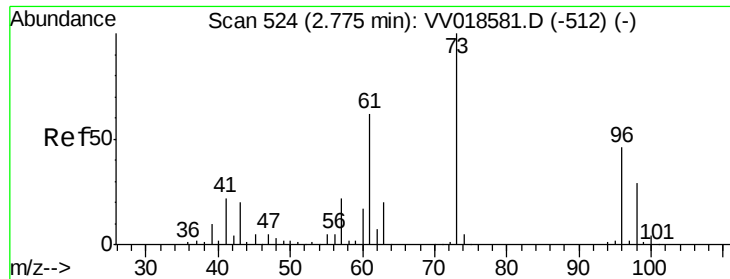
Tot Ion: 43 Resp: 103816
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



#16
Methylene chloride
Concen: 48.112 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

Tgt Ion: 84 Resp: 113950
Ion Ratio Lower Upper
84 100
86 64.4 46.2 85.8
49 122.4 86.6 160.8

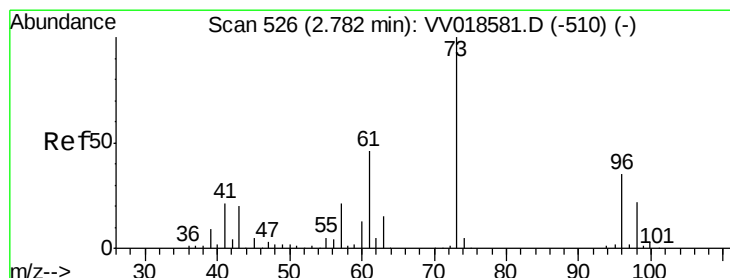
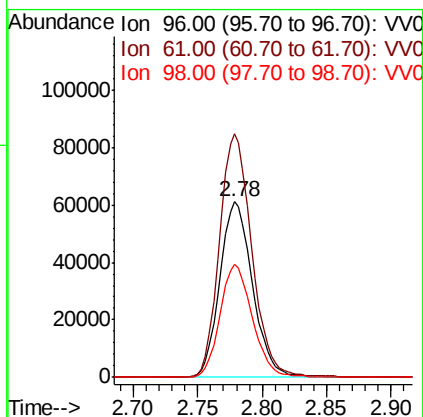
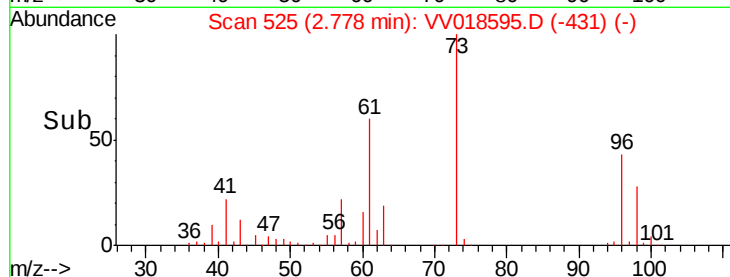
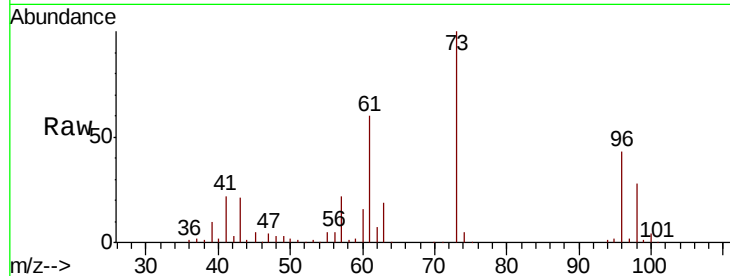




#17
trans-1,2-Dichloroethene
Concen: 47.698 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

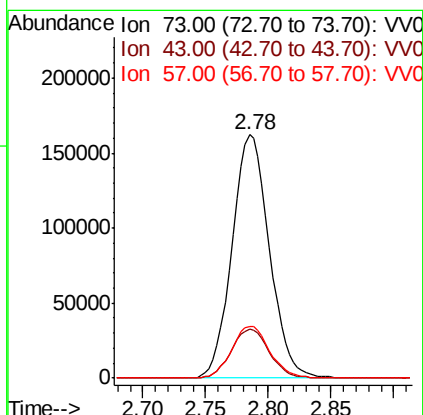
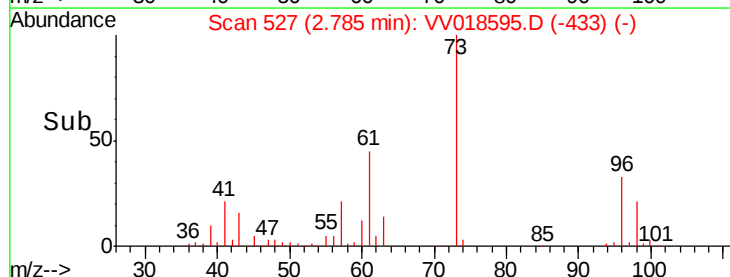
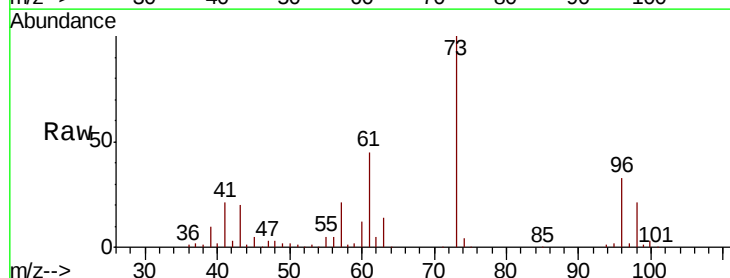
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

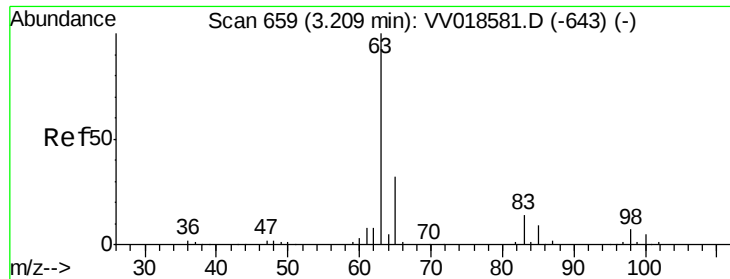
Tot Ion: 96 Resp: 107703
Ion Ratio Lower Upper
96 100
61 138.9 95.0 176.4
98 64.2 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 48.742 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

Tgt Ion: 73 Resp: 335331
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 21.8 17.5 26.3

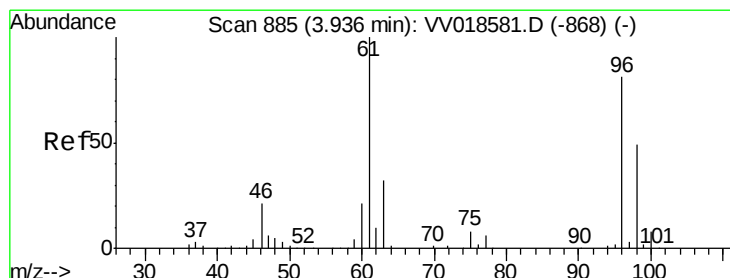
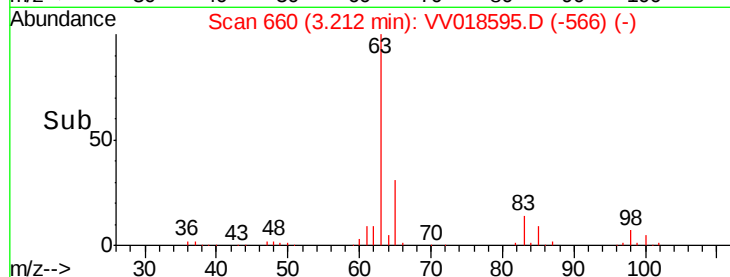
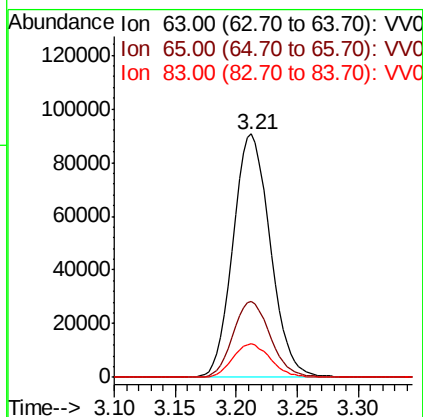
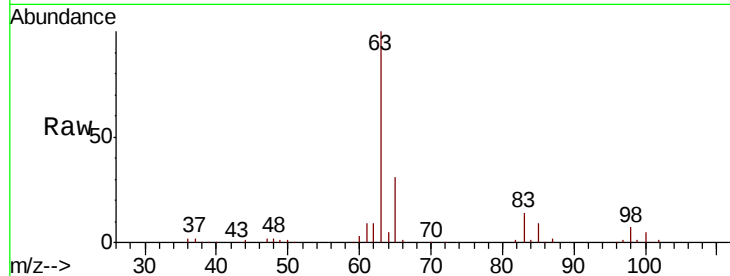




#19
 1,1-Dichloroethane
 Concen: 48.670 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

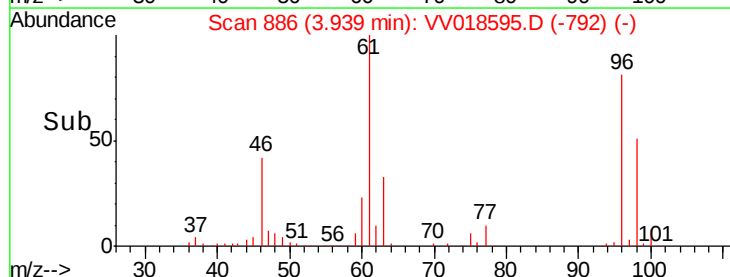
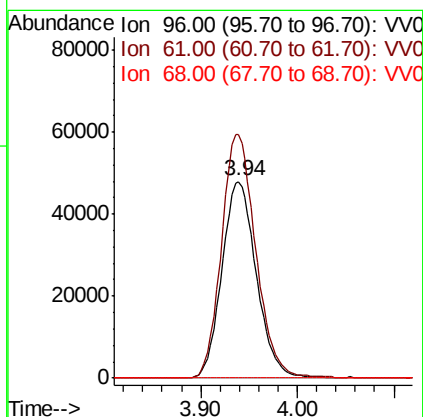
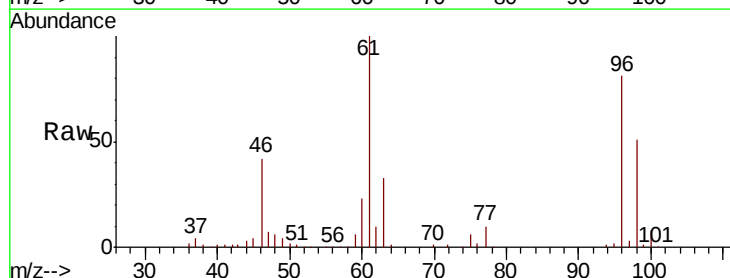
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

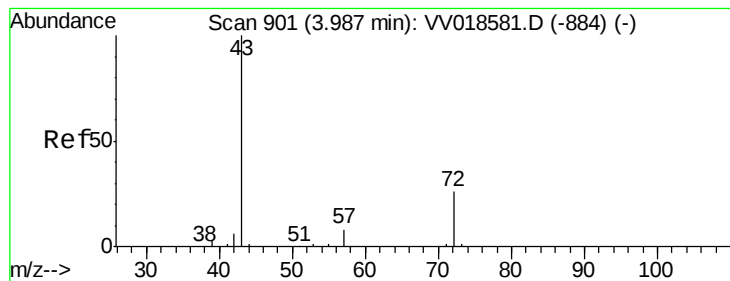
Tot Ion: 63 Resp: 192422
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.3
 83 13.7 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.367 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion: 96 Resp: 118466
 Ion Ratio Lower Upper
 96 100
 61 123.6 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.739 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampled :

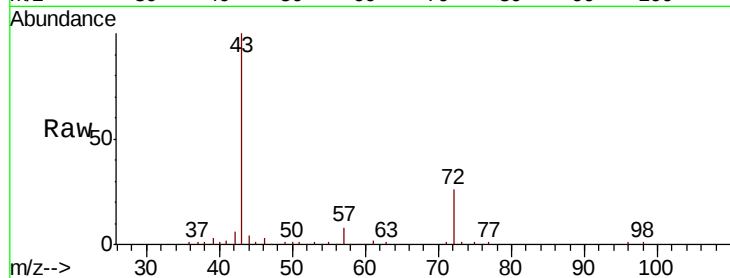
VSTD05097

Tot Ion: 43 Resp: 149024

Ion Ratio Lower Upper

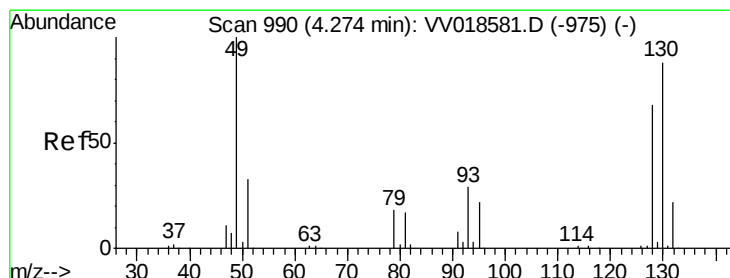
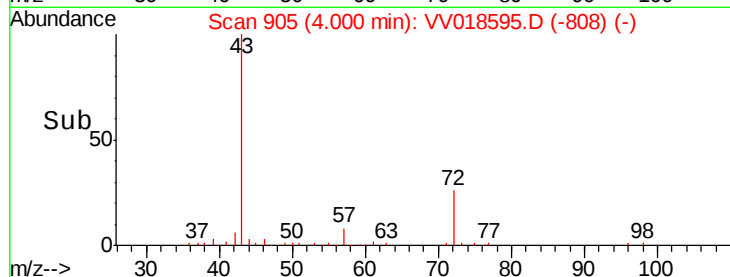
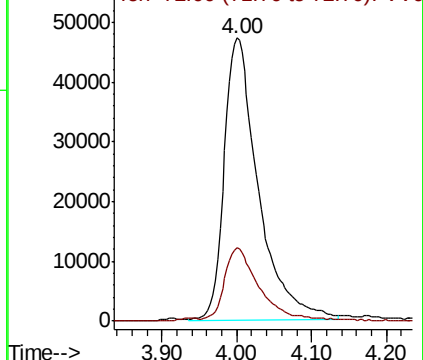
43 100

72 24.1 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018595.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV018595.D (-897) (-)



#23

Bromochloromethane

Concen: 47.468 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Tgt Ion:128 Resp: 62638

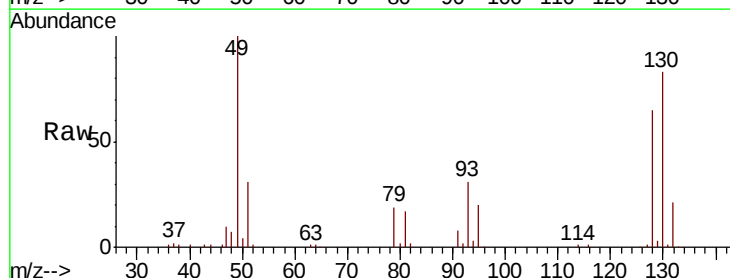
Ion Ratio Lower Upper

128 100

49 153.8 105.1 195.1

130 127.1 90.0 167.2

51 47.0 38.6 57.8

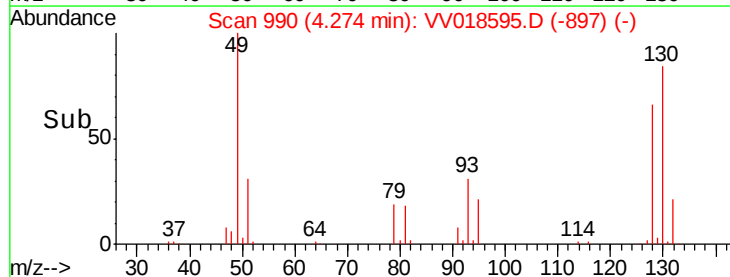
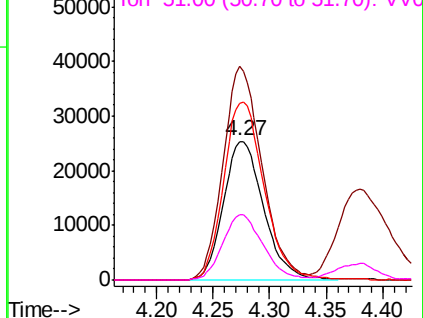


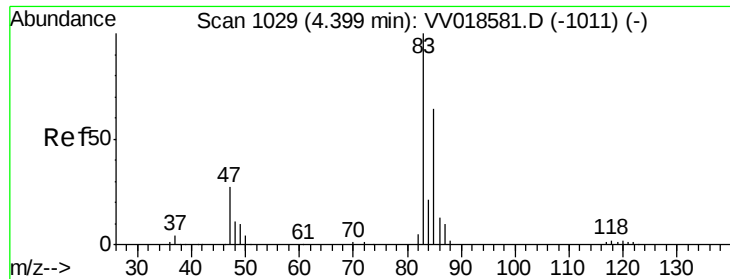
Abundance Ion 128.00 (127.70 to 128.70): VV018595.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018595.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018595.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018595.D (-897) (-)

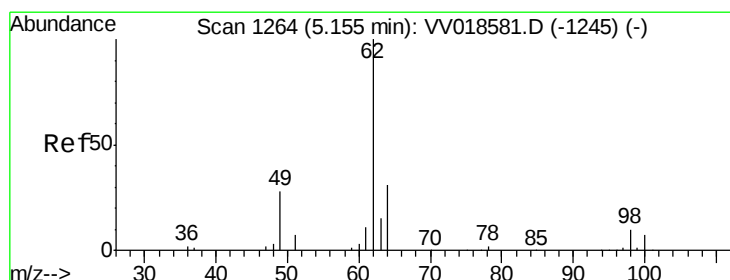
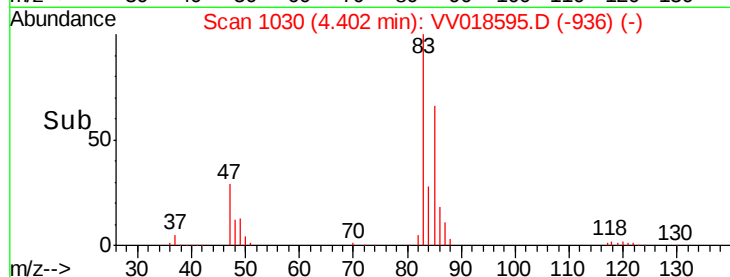
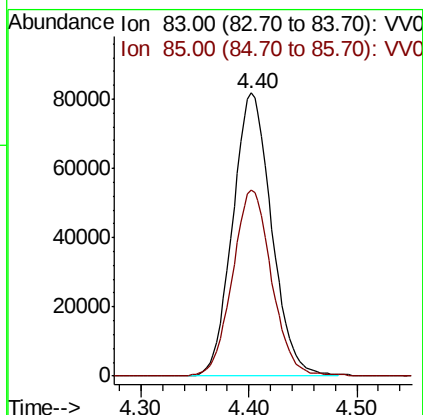
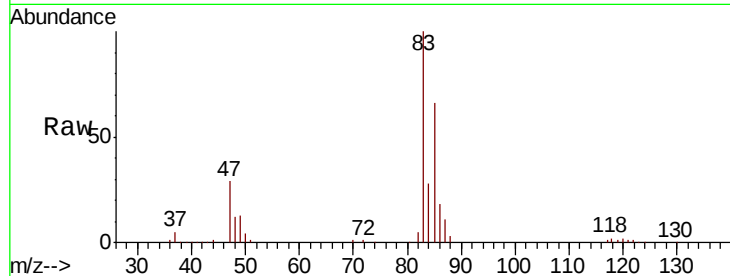




#25
Chloroform
Concen: 49.228 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

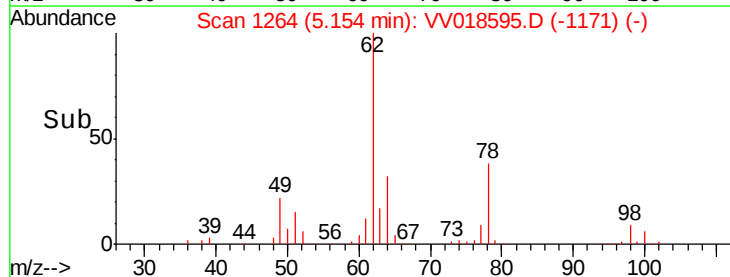
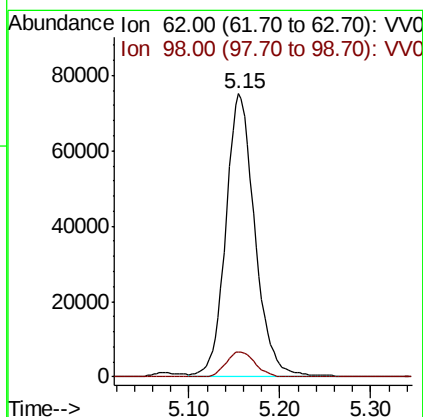
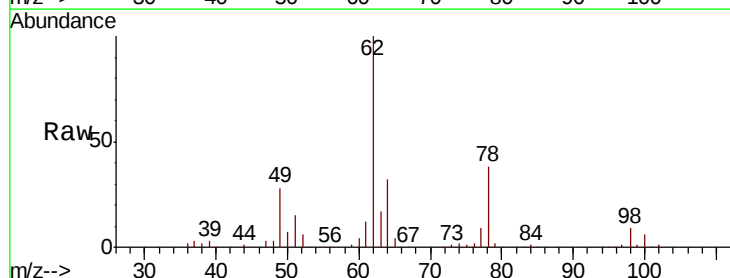
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

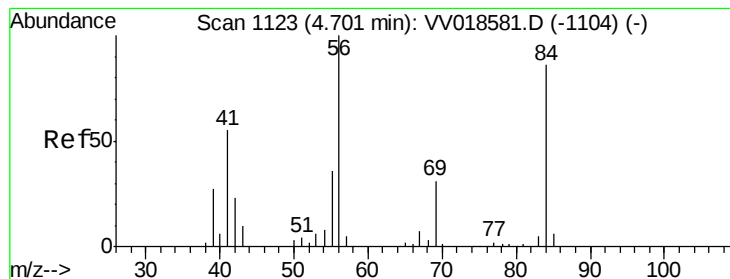
Tot Ion: 83 Resp: 205508
Ion Ratio Lower Upper
83 100
85 65.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 50.591 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

Tgt Ion: 62 Resp: 164615
Ion Ratio Lower Upper
62 100
98 8.9 7.7 11.5





#29

Cyclohexane

Concen: 48.337 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

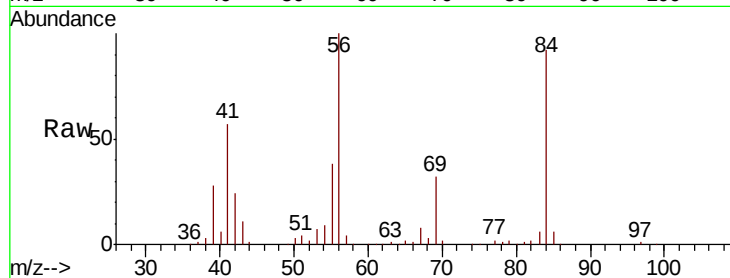
Tot Ion: 56 Resp: 167362

Ion Ratio Lower Upper

56 100

69 31.3 24.8 37.2

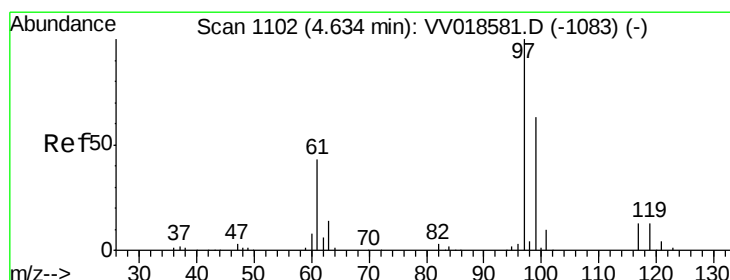
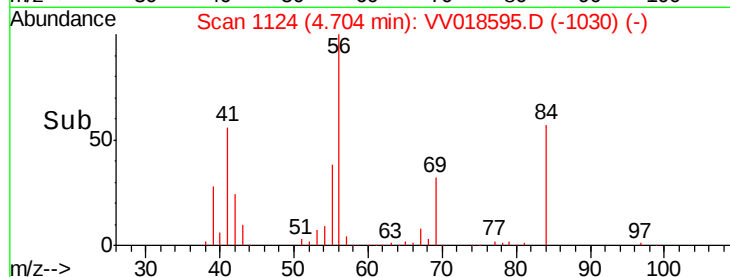
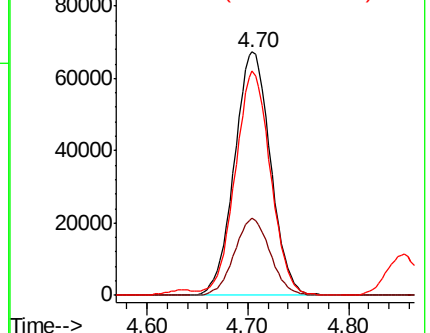
84 90.3 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018581.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018581.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018581.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 49.999 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

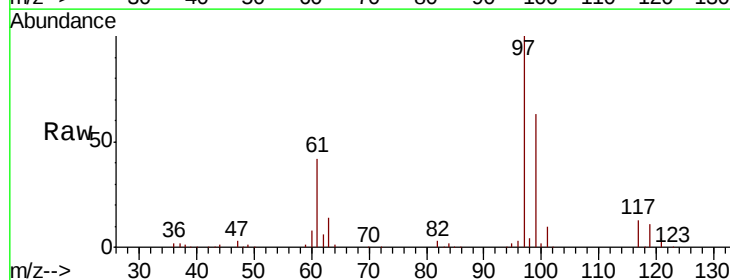
Tgt Ion: 97 Resp: 188438

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

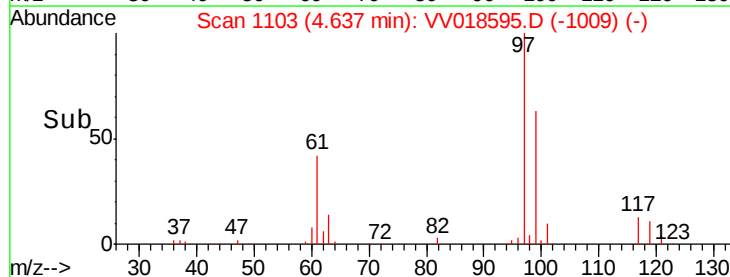
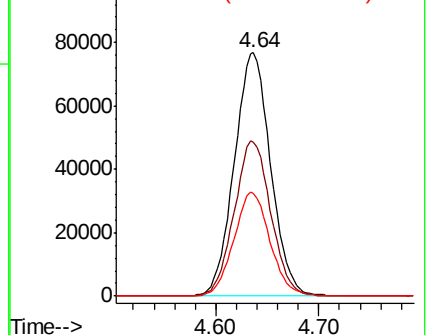
61 42.6 33.9 50.9

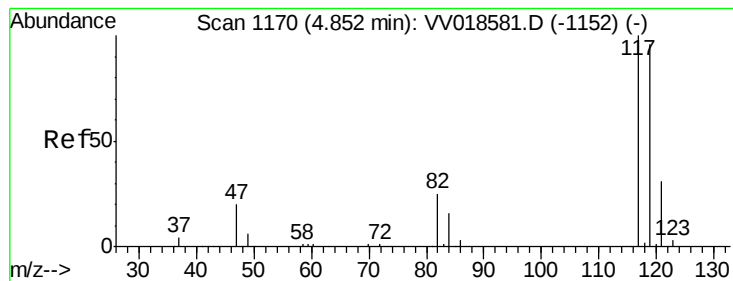


Abundance Ion 97.00 (96.70 to 97.70): VV018581.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018581.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018581.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 50.539 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

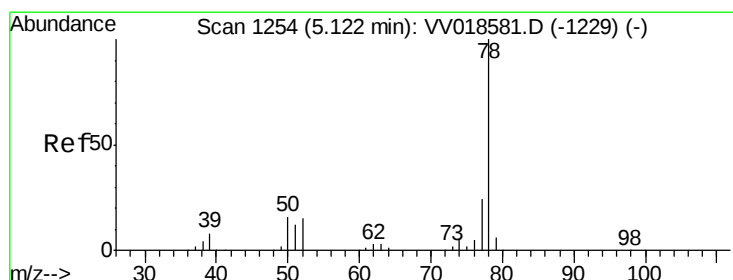
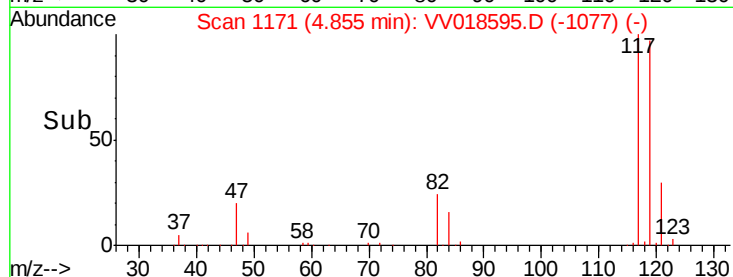
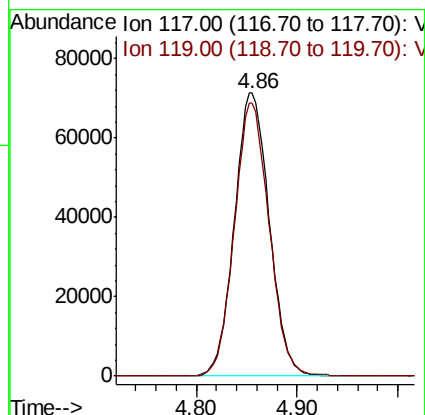
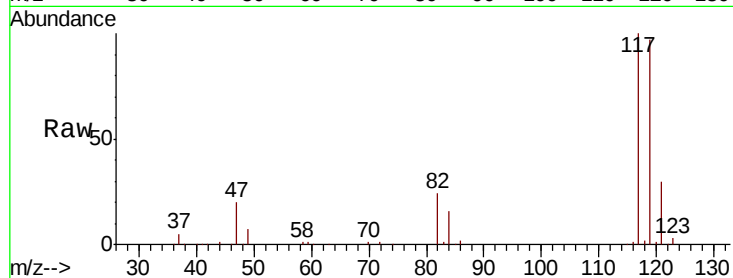
VSTD05097

Tot Ion:117 Resp: 170946

Ion Ratio Lower Upper

117 100

119 96.0 77.0 115.6



#33

Benzene

Concen: 48.897 ug/L

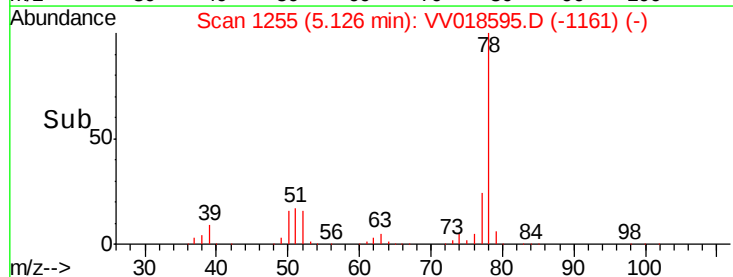
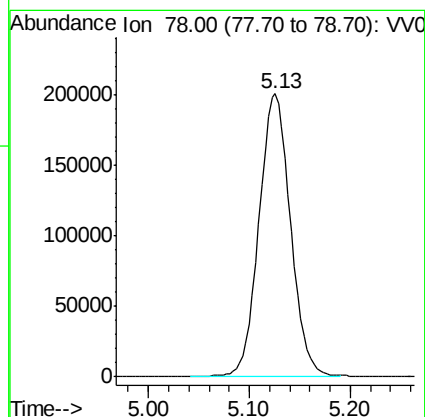
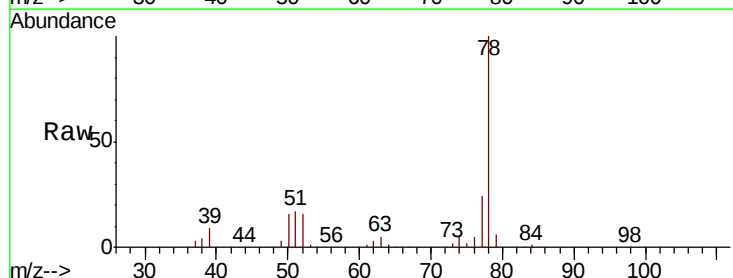
RT: 5.13 min Scan# 1255

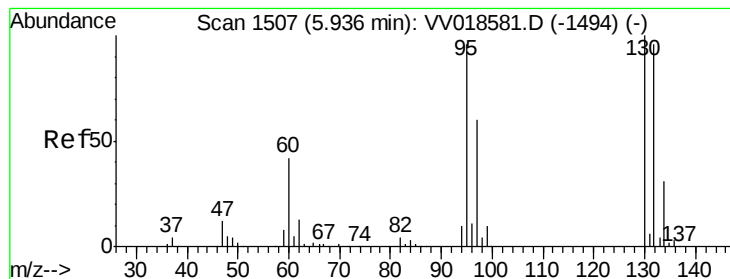
Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Tgt Ion: 78 Resp: 436100





#34

Trichloroethene

Concen: 49.498 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampled :

VSTD05097

Tot Ion: 95 Resp: 128165

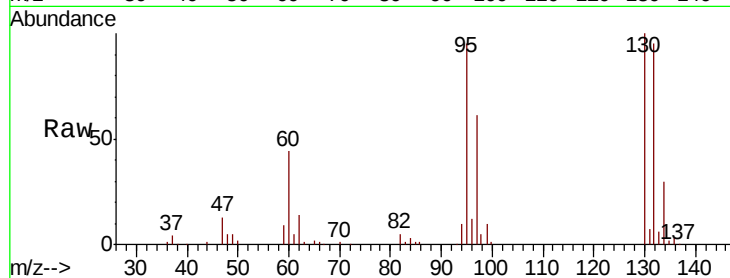
Ion Ratio Lower Upper

95 100

97 63.9 45.9 85.3

132 100.2 70.8 131.4

130 105.0 75.3 139.8

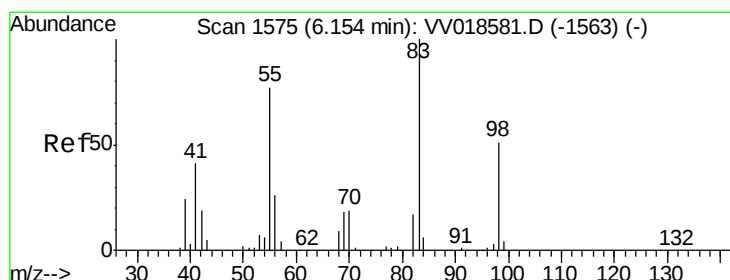
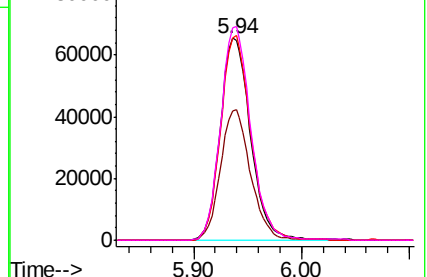
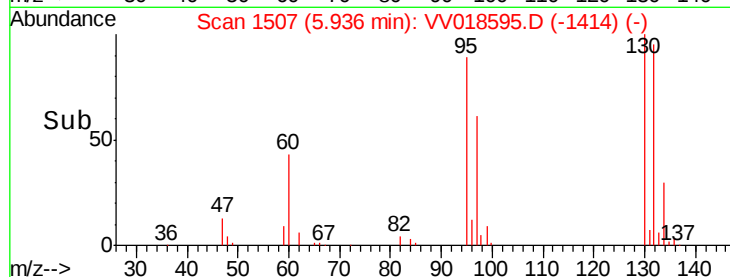


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 46.488 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

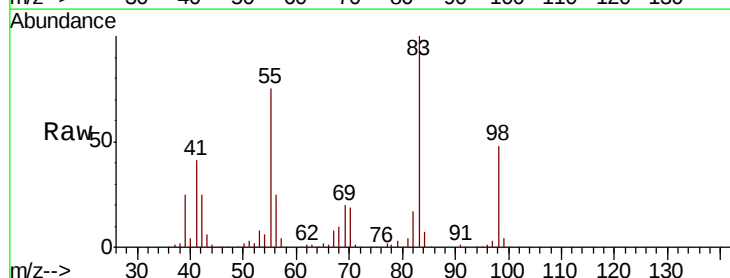
Tgt Ion: 83 Resp: 162379

Ion Ratio Lower Upper

83 100

55 76.8 60.1 90.1

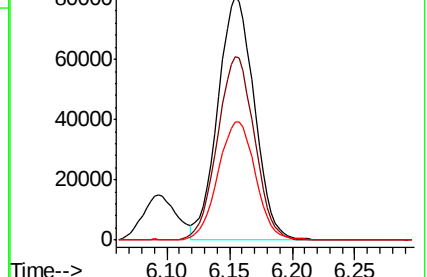
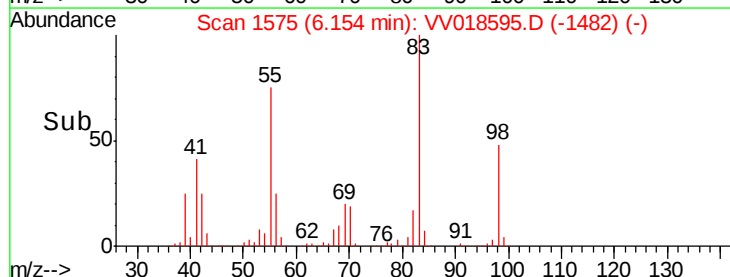
98 50.2 40.2 60.4

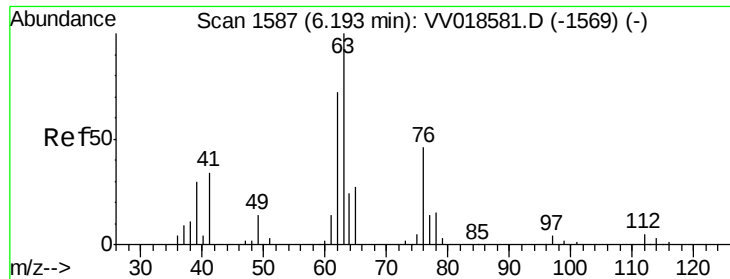


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

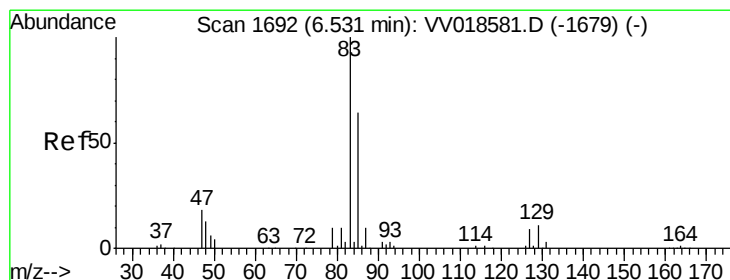
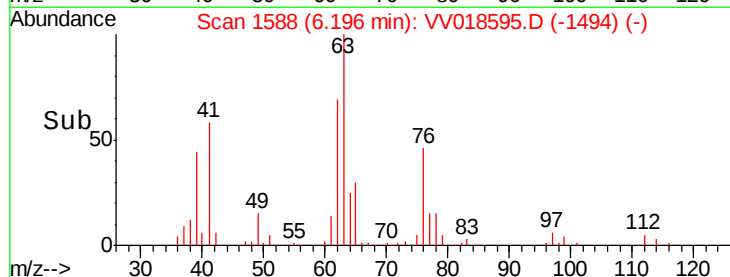
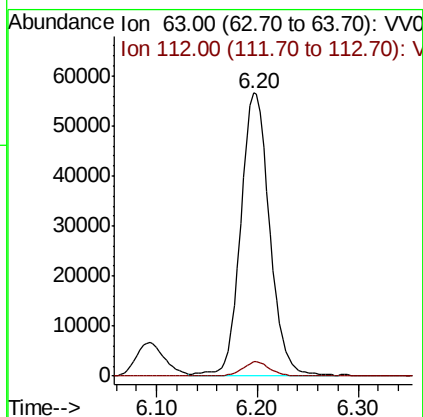
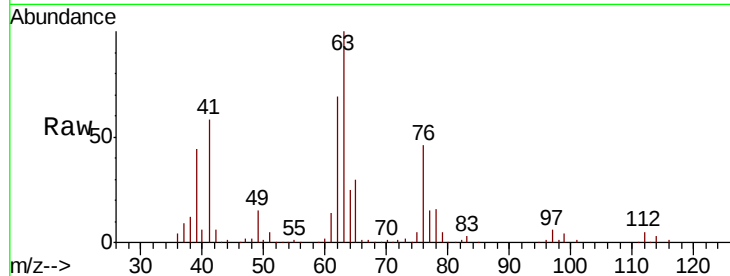




#37
 1,2-Dichloropropane
 Concen: 48.584 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

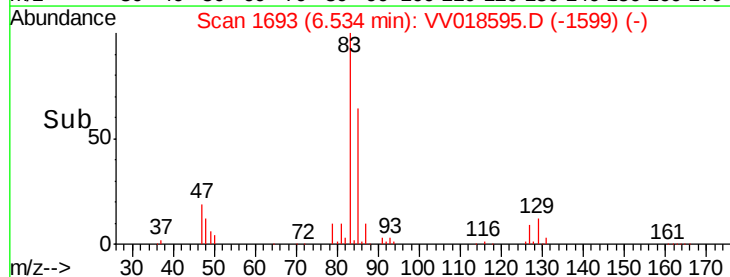
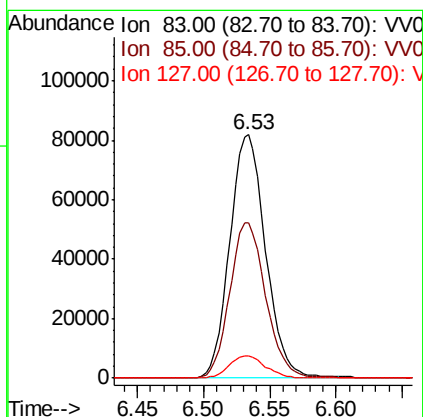
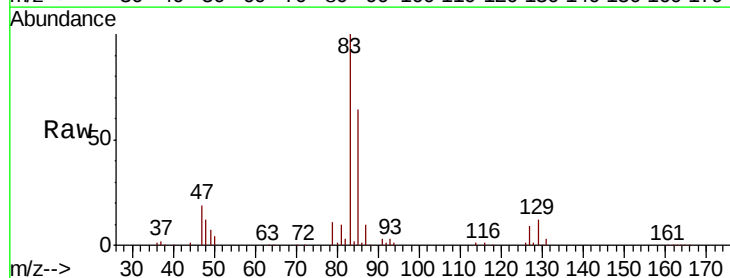
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

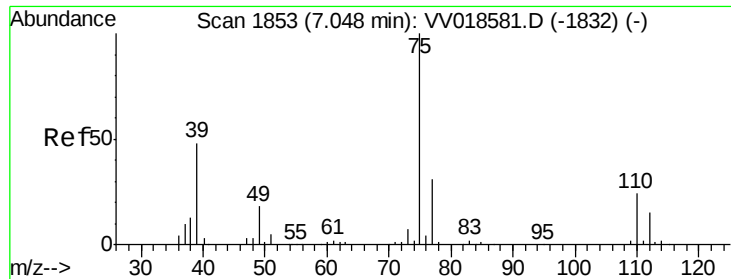
Tot Ion: 63 Resp: 111172
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.080 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion: 83 Resp: 153468
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.5 82.7
 127 8.9 7.2 10.8

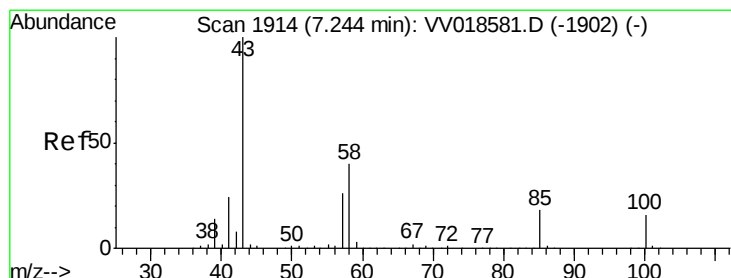
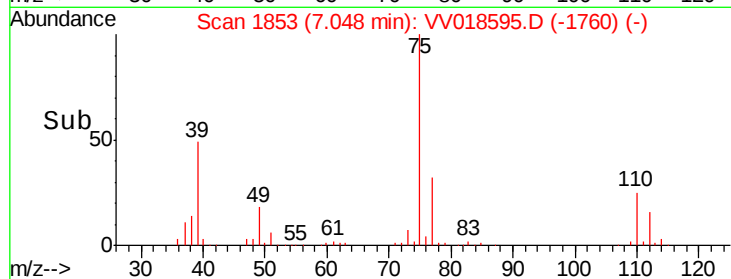
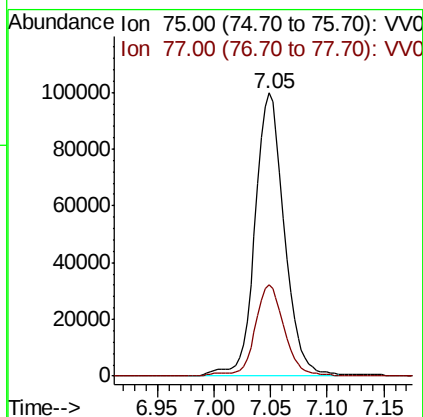
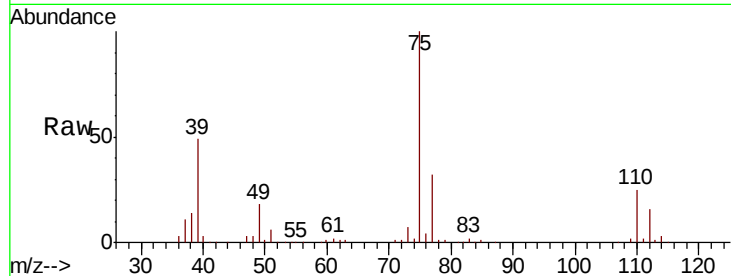




#39
 cis-1,3-Dichloropropene
 Concen: 50.208 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

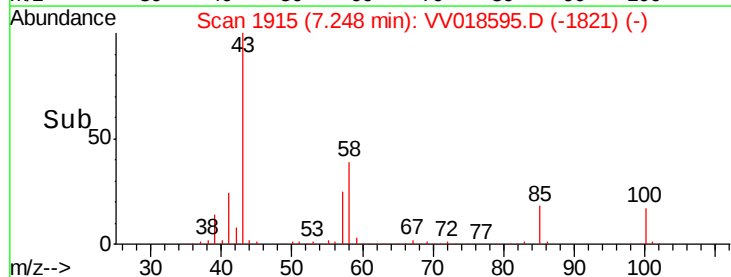
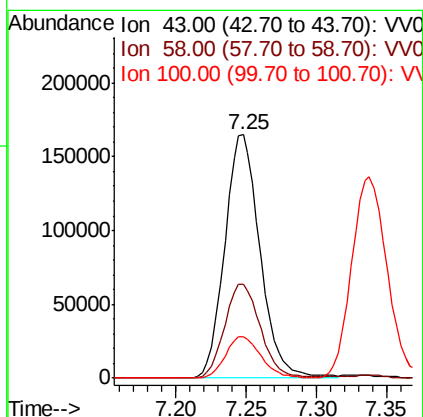
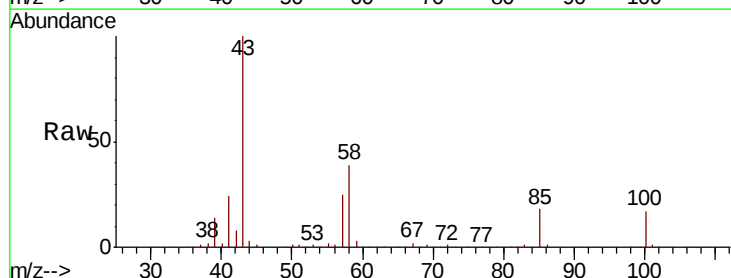
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05097

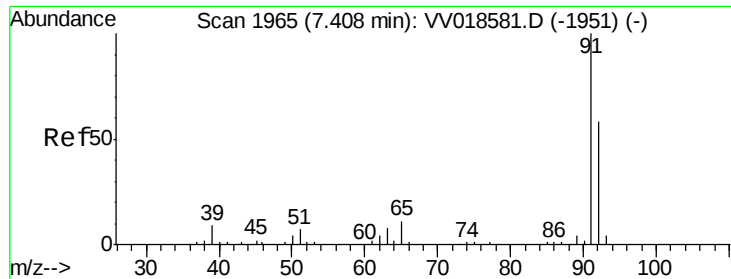
Tot Ion: 75 Resp: 180252
 Ion Ratio Lower Upper
 75 100
 77 32.3 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 97.522 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion: 43 Resp: 287946
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.6
 100 17.1 13.4 20.0





#42

Toluene

Concen: 49.922 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

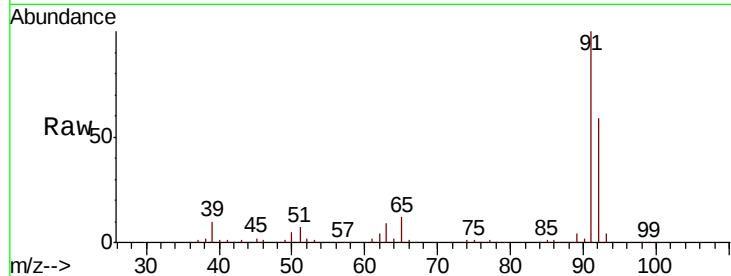
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 91 Resp: 481662

Ion Ratio Lower Upper

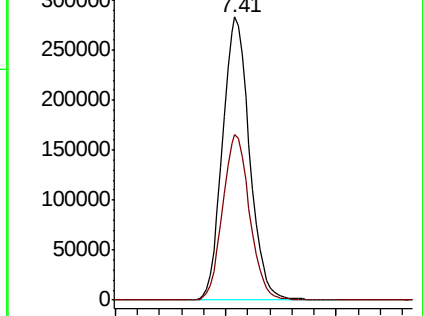
91 100

92 58.7 41.6 77.3

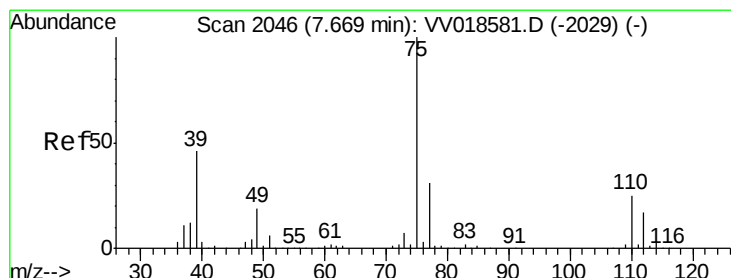
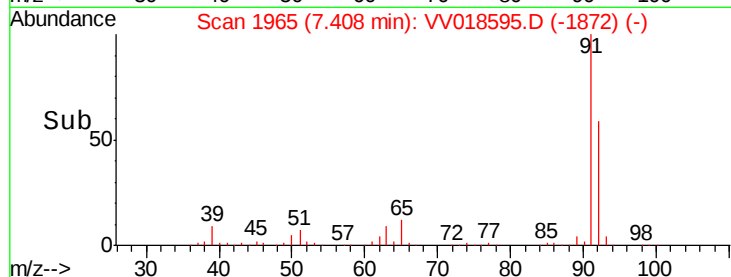


Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.412 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018595.D

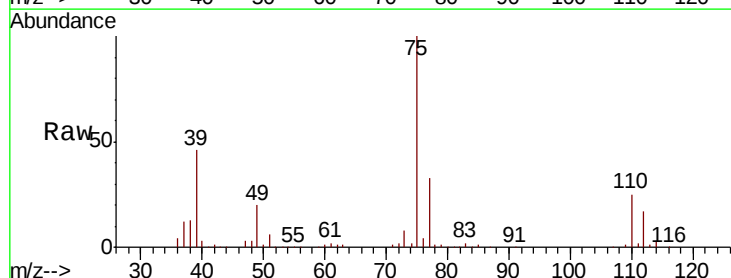
Acq: 01 Oct 2020 17:37

Tgt Ion: 75 Resp: 177787

Ion Ratio Lower Upper

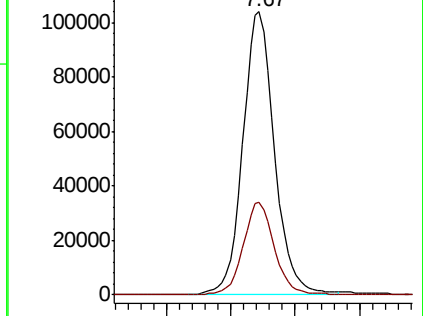
75 100

77 32.7 22.7 42.1

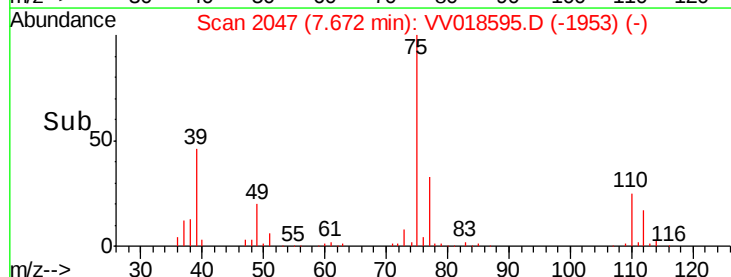


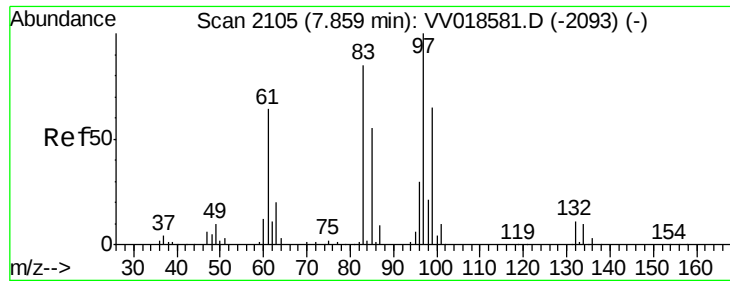
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time--> 7.60 7.65 7.70 7.75

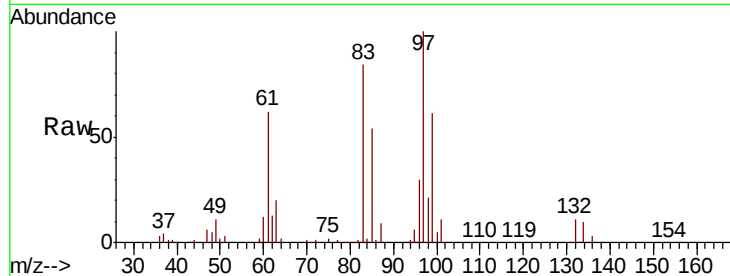




#45
 1,1,2-Trichloroethane
 Concen: 48.462 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05097

Tot Ion:	97	Resp:	109777
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.3	80.3
83	84.5	60.5	112.5
85	53.6	38.3	71.1



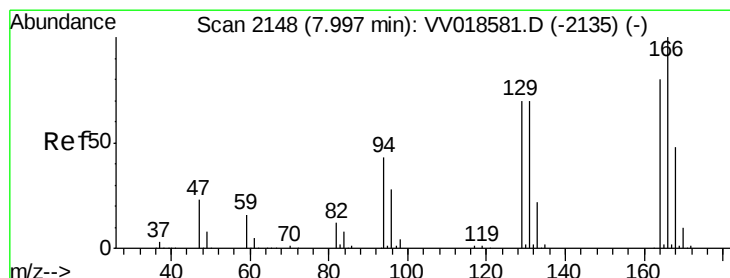
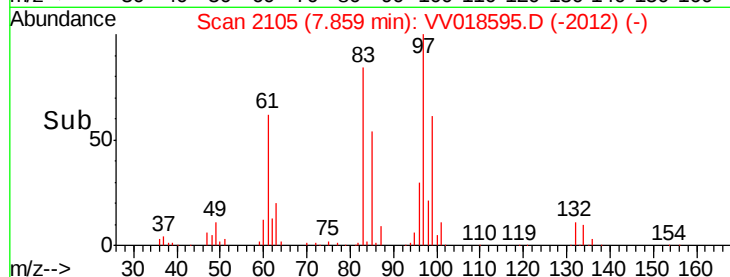
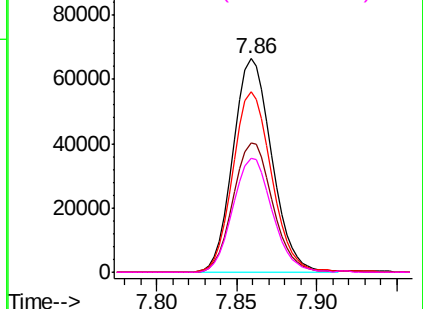
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

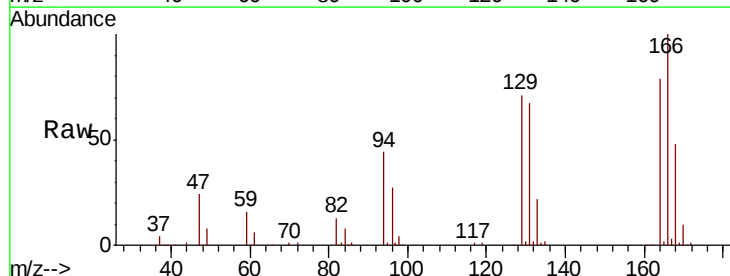
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 52.502 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion:	164	Resp:	110288
Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.8	116.6
131	85.1	60.8	112.8
166	127.3	88.9	165.1



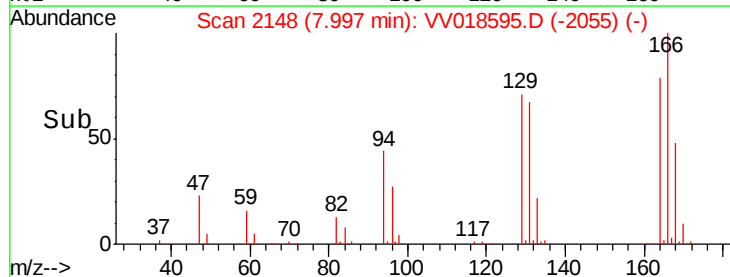
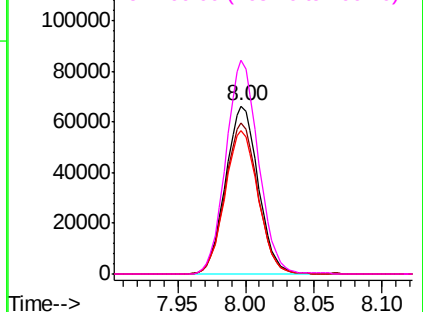
Abundance

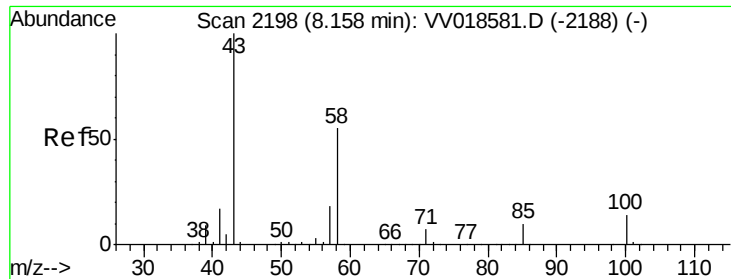
Ion 164.00 (163.70 to 164.70): V

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

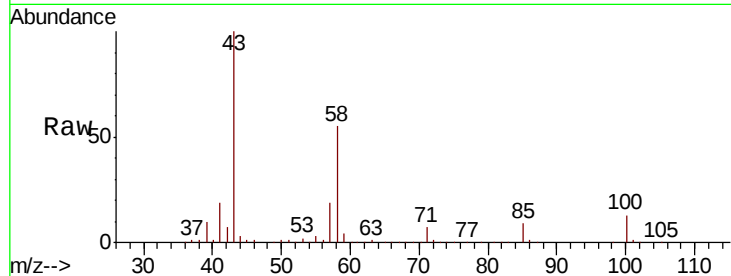




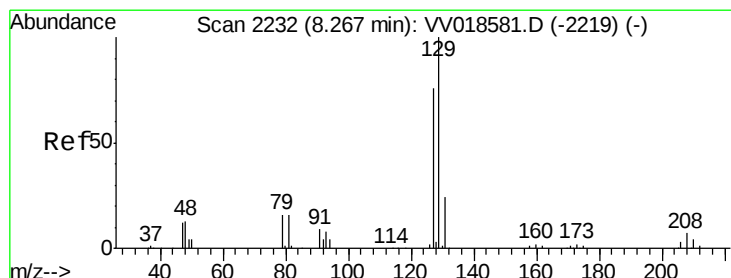
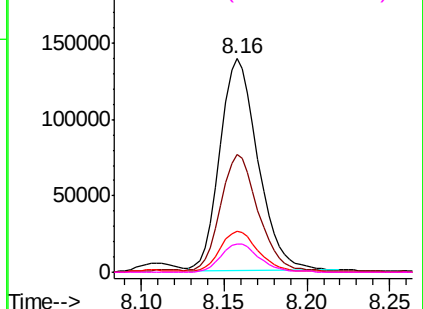
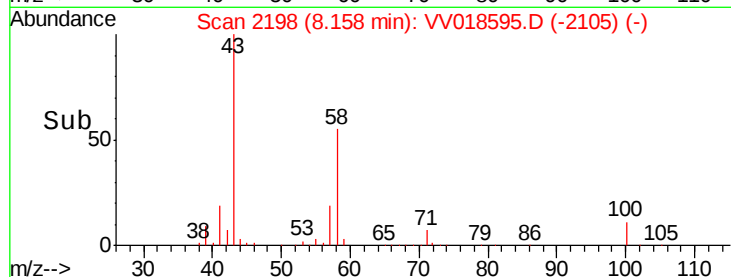
#48
2-Hexanone
Concen: 96.597 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 43 Resp: 222536
Ion Ratio Lower Upper
43 100
58 55.8 45.1 67.7
57 19.2 15.7 23.5
100 13.7 11.0 16.4

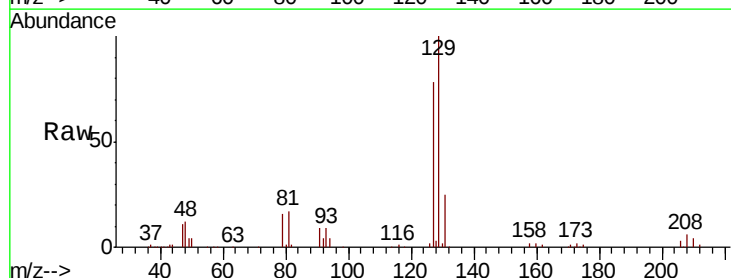


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

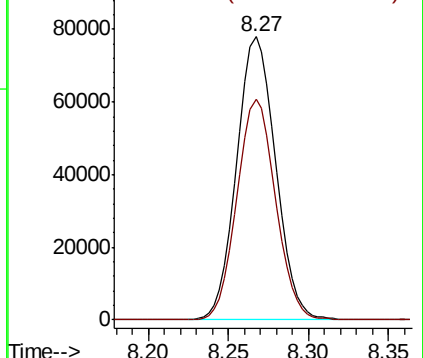
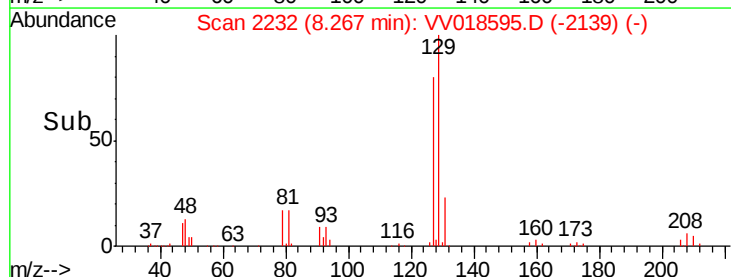


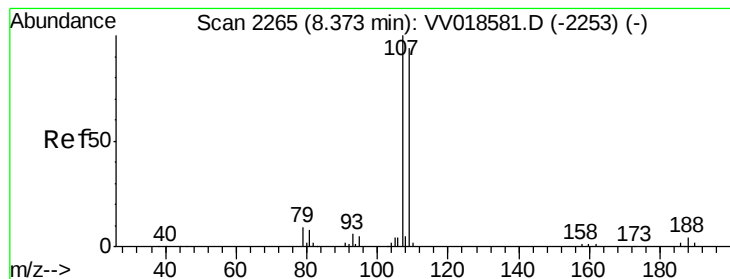
#49
Dibromochloromethane
Concen: 50.009 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018595.D
Acq: 01 Oct 2020 17:37

Tgt Ion: 129 Resp: 129566
Ion Ratio Lower Upper
129 100
127 78.0 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 49.125 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

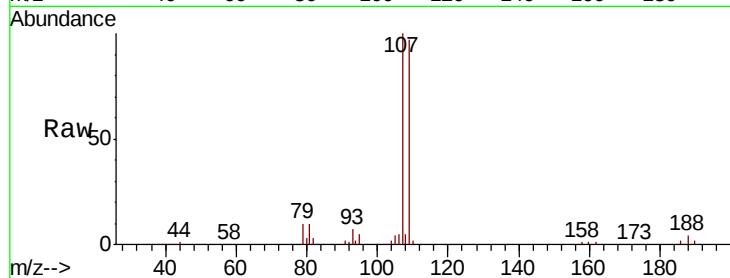
Tot Ion:107 Resp: 118313

Ion Ratio Lower Upper

107 100

109 96.6 65.1 120.9

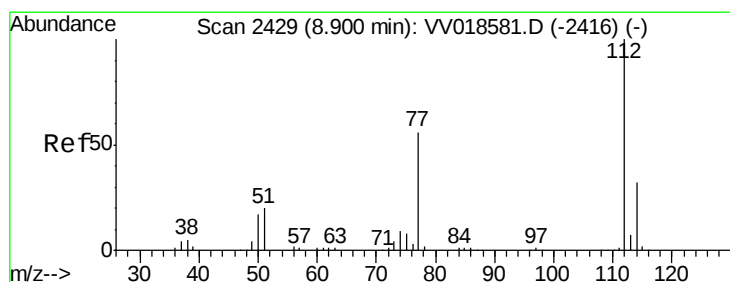
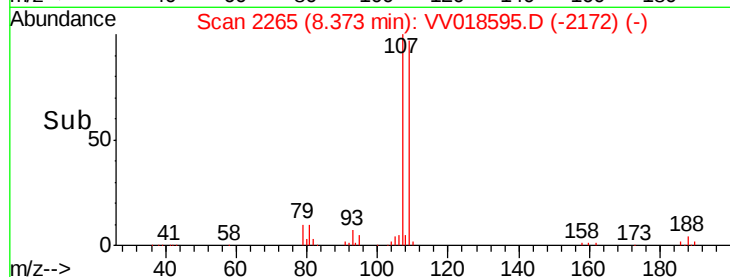
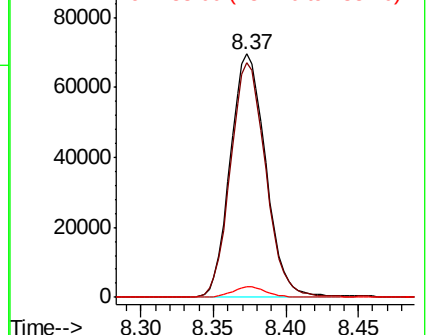
188 4.4 3.7 5.5



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: 49.208 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

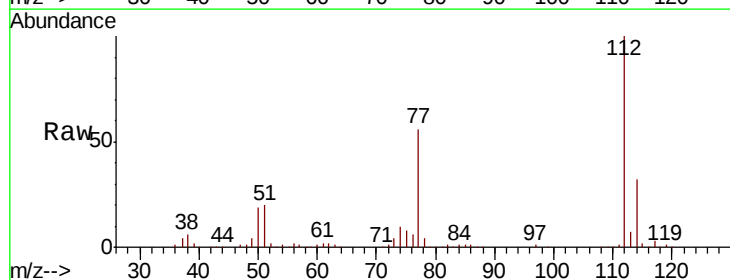
Tgt Ion:112 Resp: 321186

Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

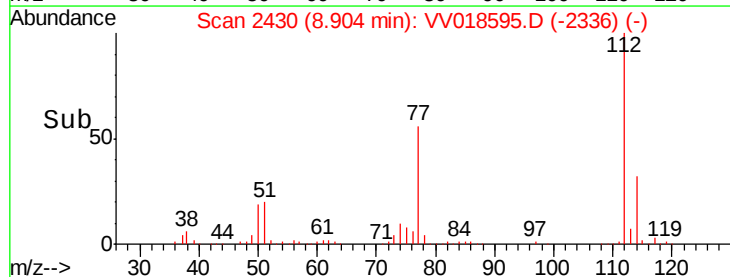
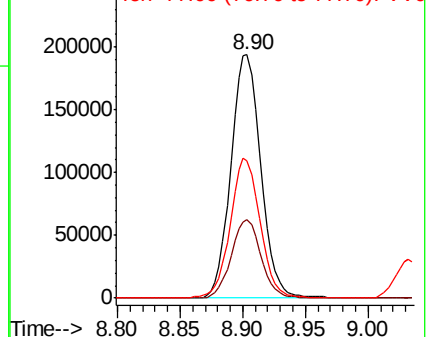
77 56.4 44.8 67.2

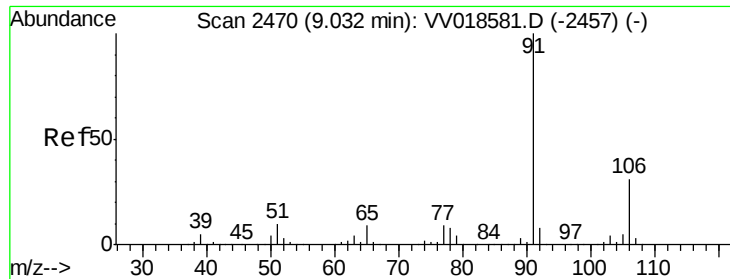


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 49.717 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

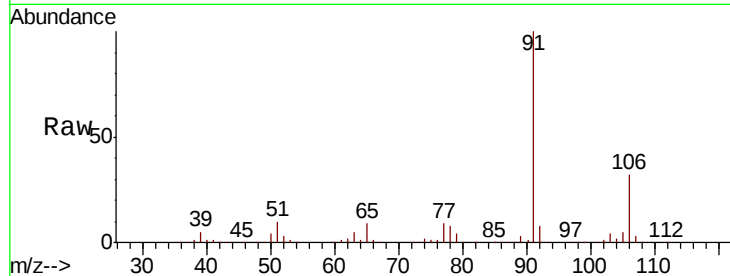
VSTD05097

Tot Ion: 91 Resp: 535694

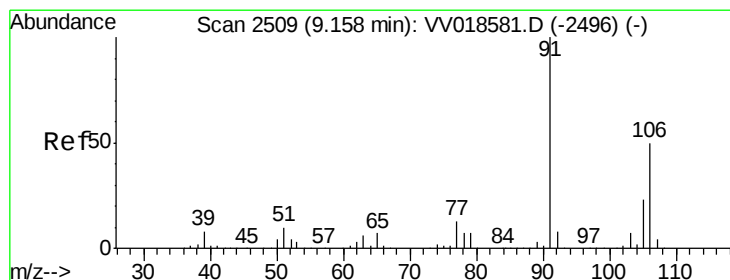
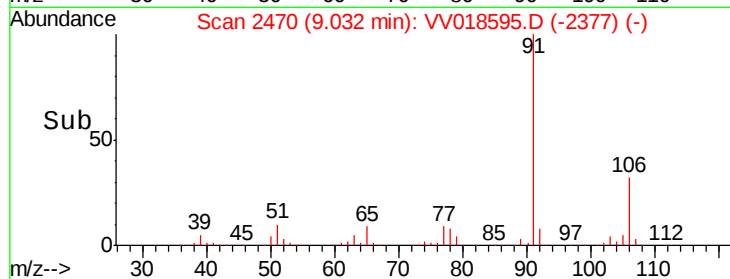
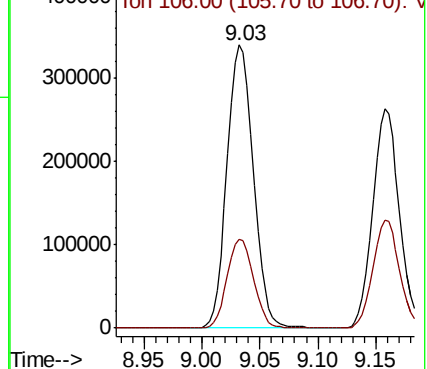
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018595.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.664 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018595.D

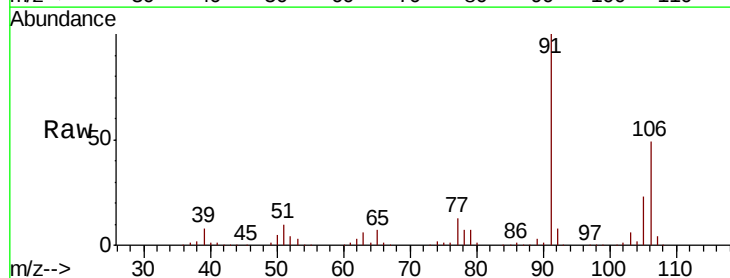
Acq: 01 Oct 2020 17:37

Tgt Ion: 106 Resp: 206806

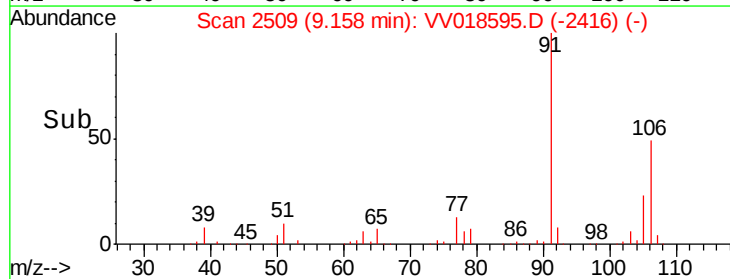
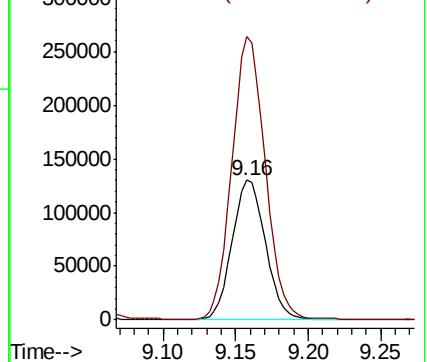
Ion Ratio Lower Upper

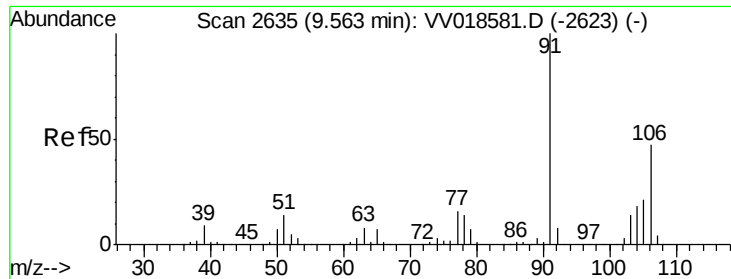
106 100

91 203.1 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018595.D (-2416) (-)





#54

o-xylene

Concen: 50.784 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

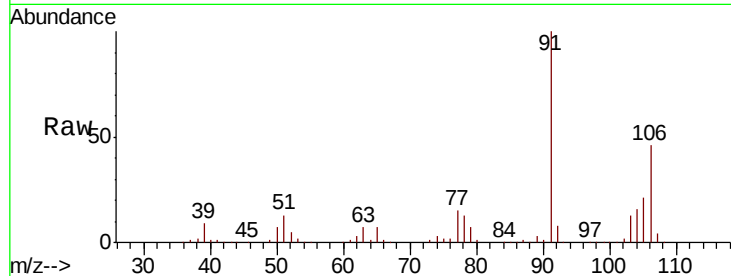
VSTD05097

Tot Ion:106 Resp: 200212

Ion Ratio Lower Upper

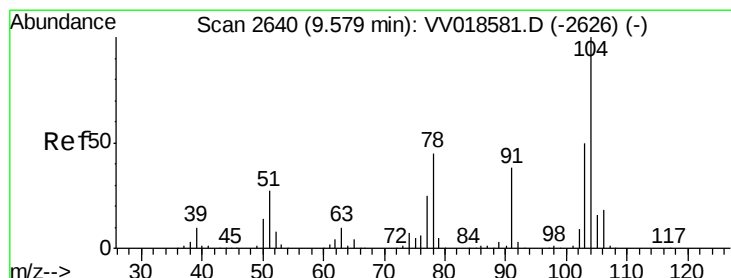
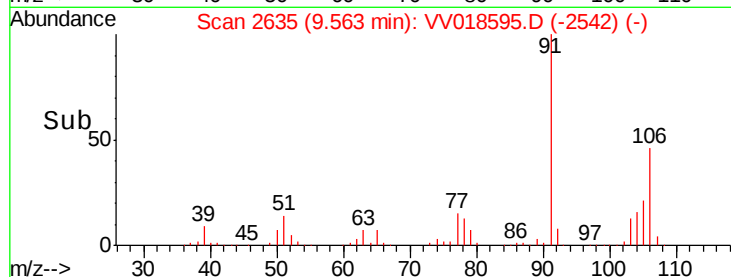
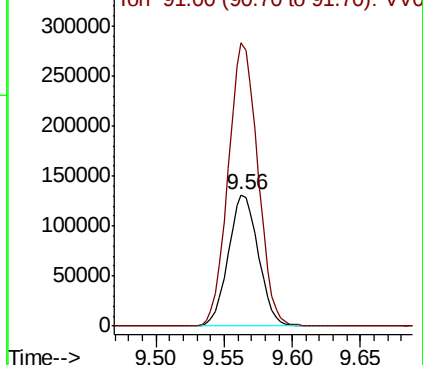
106 100

91 215.8 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.128 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018595.D

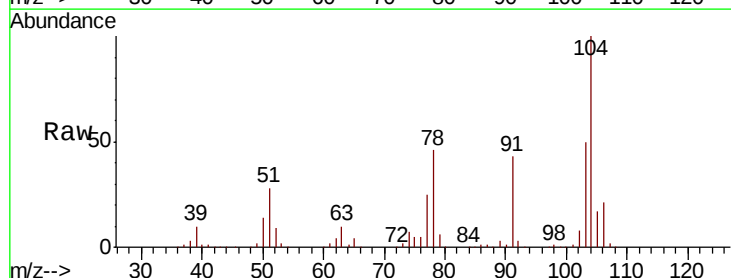
Acq: 01 Oct 2020 17:37

Tgt Ion:104 Resp: 350970

Ion Ratio Lower Upper

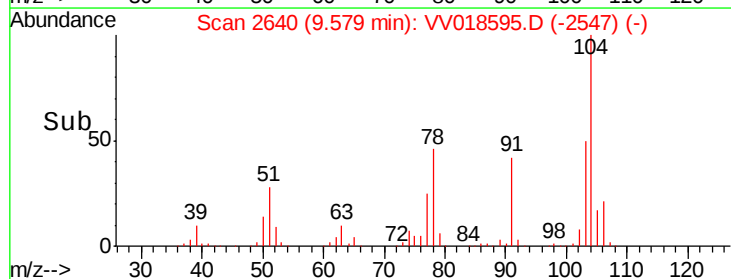
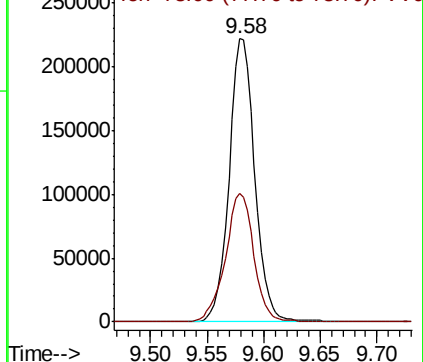
104 100

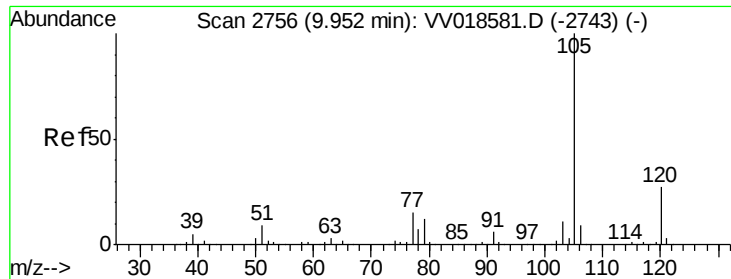
78 45.6 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.677 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

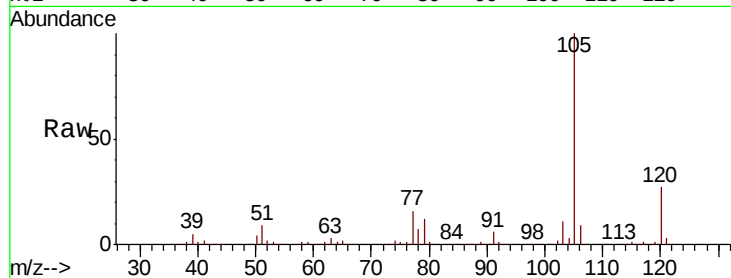
Tot Ion:105 Resp: 525241

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

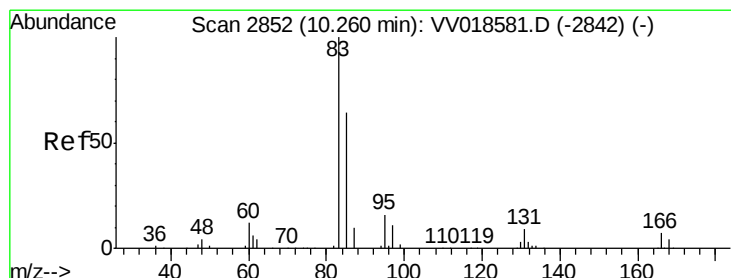
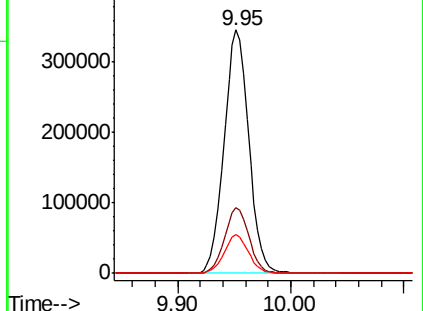
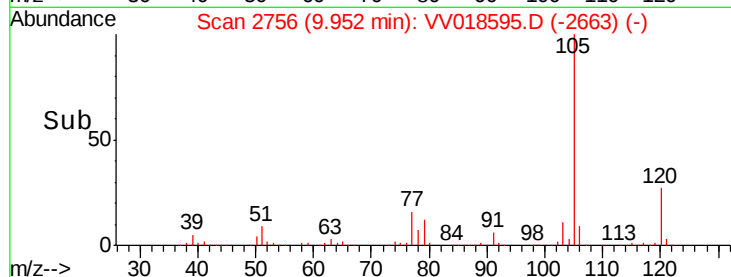
77 15.6 12.2 18.2



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



#58

1,1,2,2-Tetrachloroethane

Concen: 47.735 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

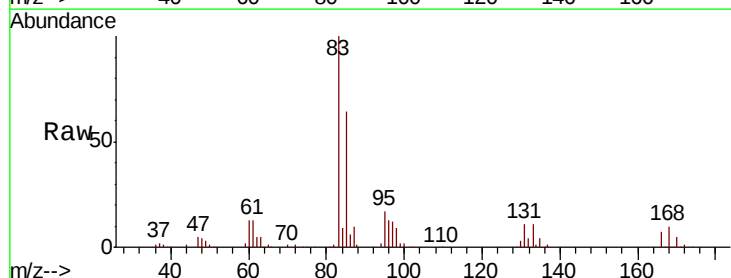
Tgt Ion: 83 Resp: 152412

Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7

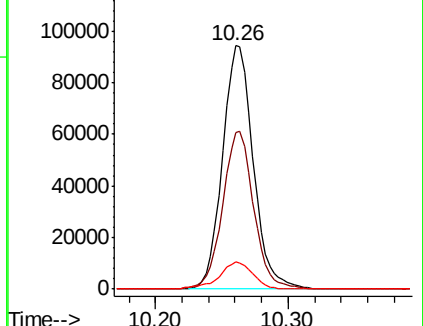
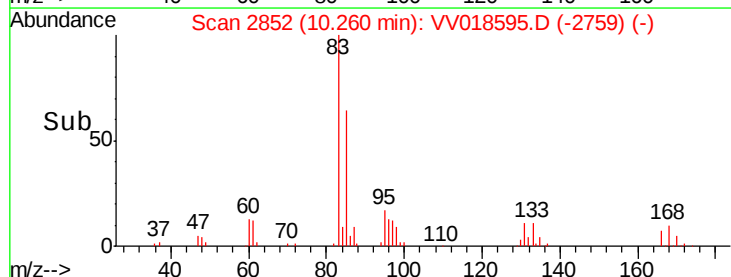
131 11.1 8.6 12.8

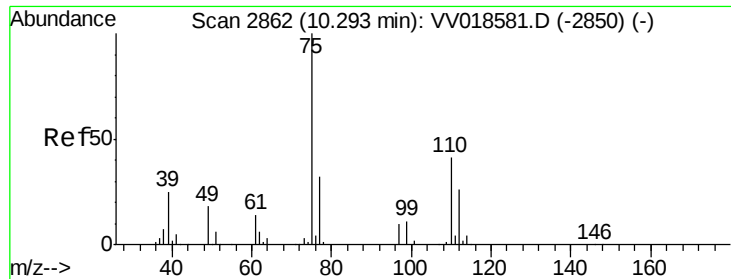


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

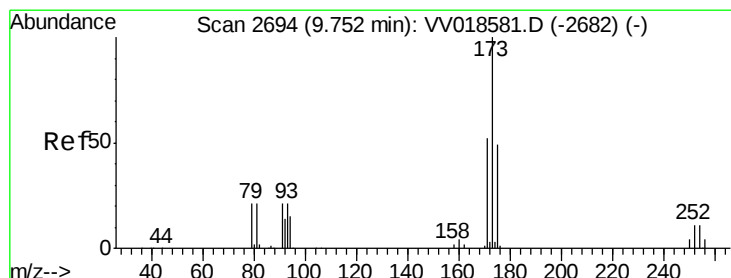
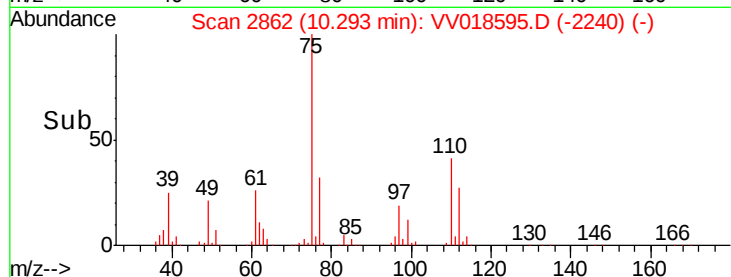
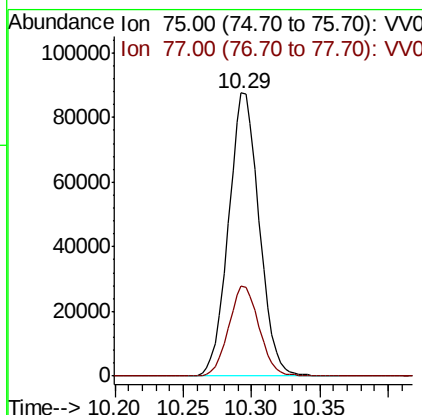
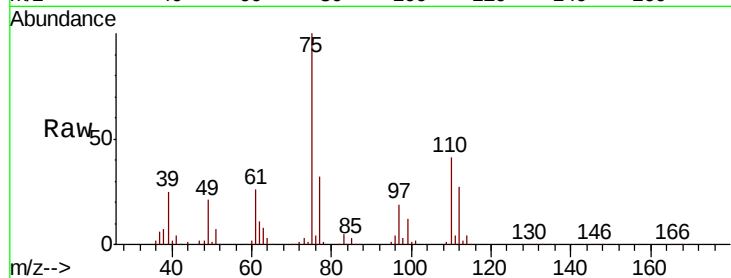




#59
 1,2,3-Trichloropropane
 Concen: 49.180 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

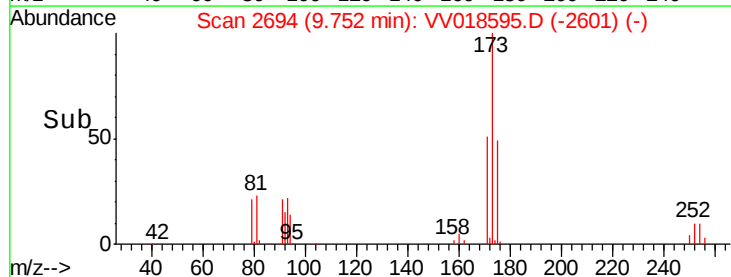
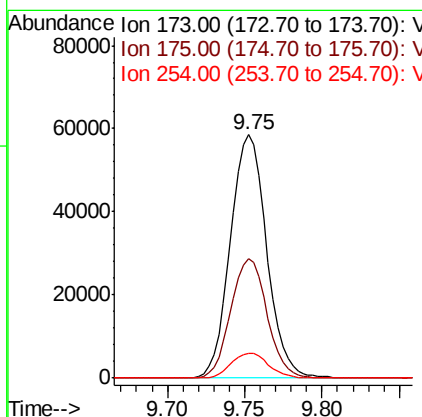
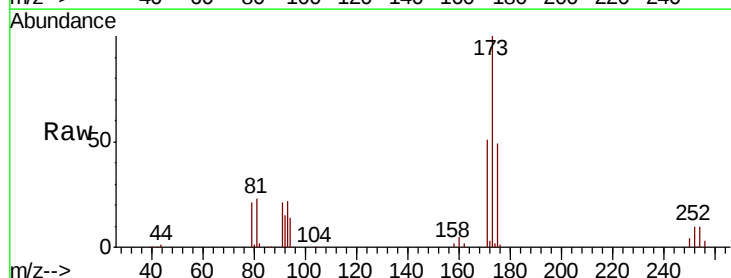
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

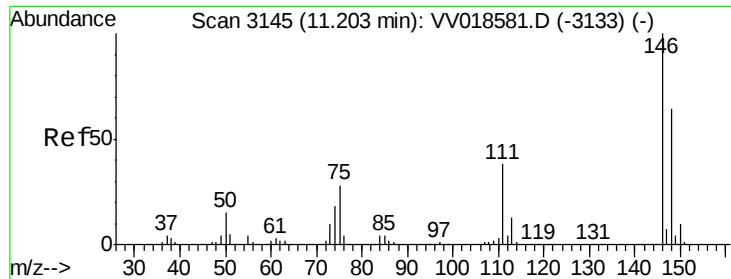
Tot Ion: 75 Resp: 136882
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0



#61
 Bromoform
 Concen: 48.660 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion: 173 Resp: 95287
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.8 59.8
 254 10.5 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 48.364 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

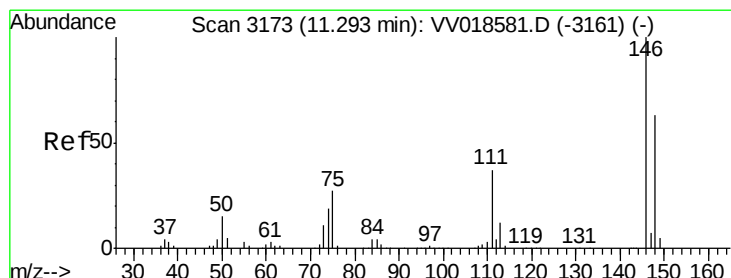
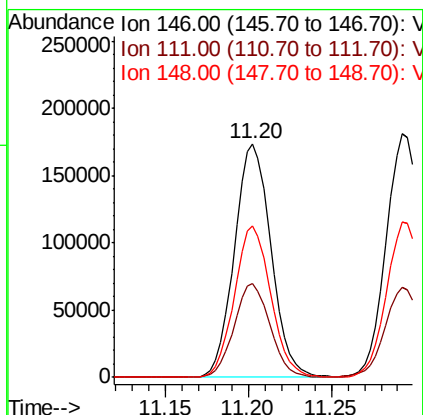
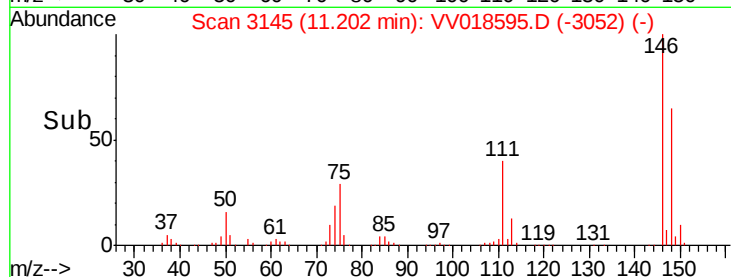
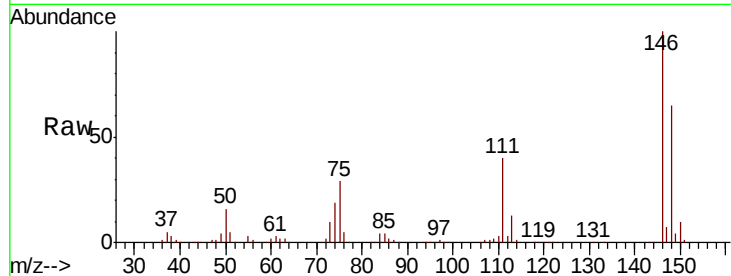
Tot Ion:146 Resp: 266831

Ion Ratio Lower Upper

146 100

111 40.2 26.8 49.8

148 64.9 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 48.947 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

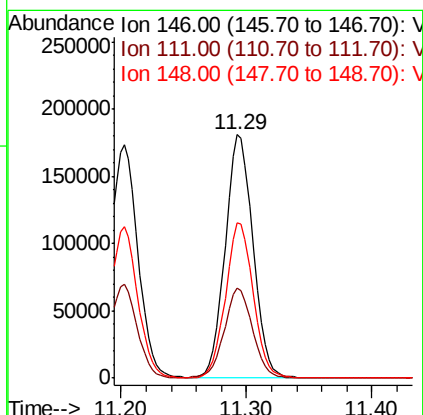
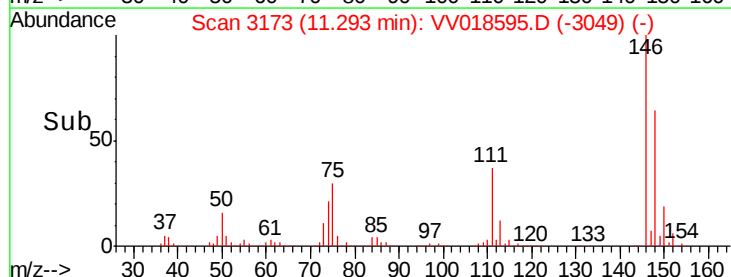
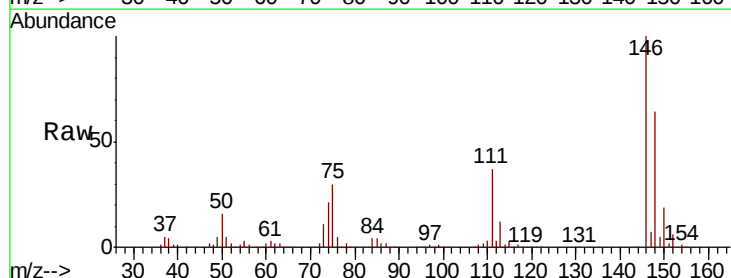
Tgt Ion:146 Resp: 278080

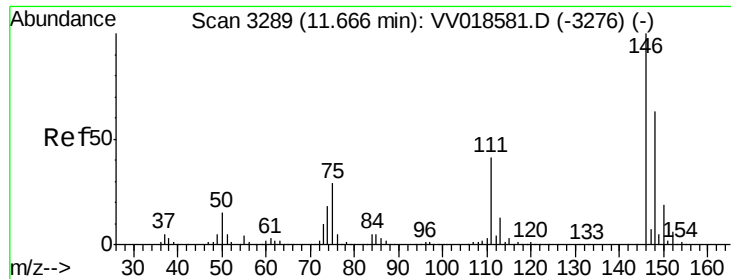
Ion Ratio Lower Upper

146 100

111 37.1 26.2 48.6

148 63.7 44.4 82.5

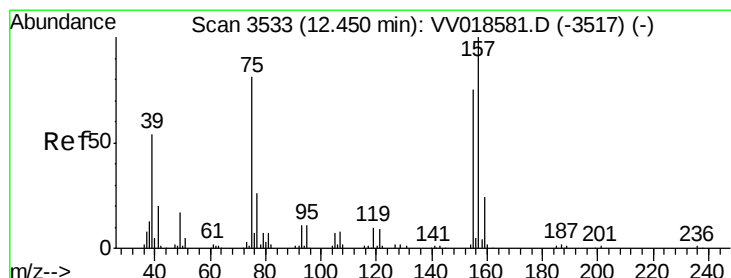
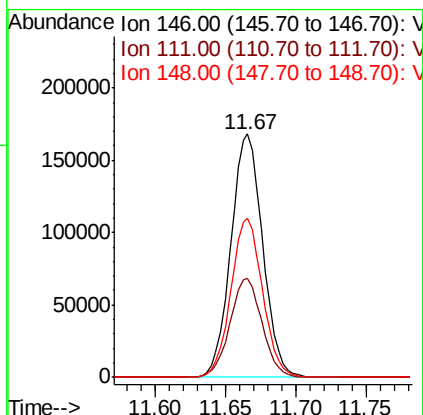
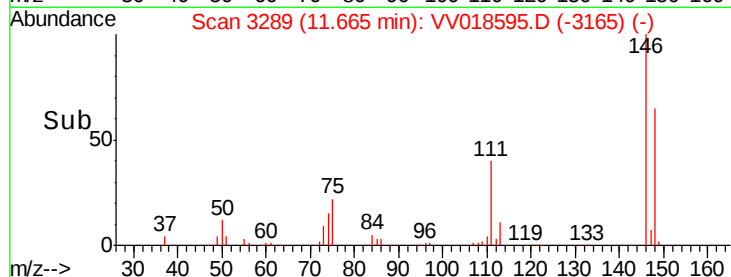
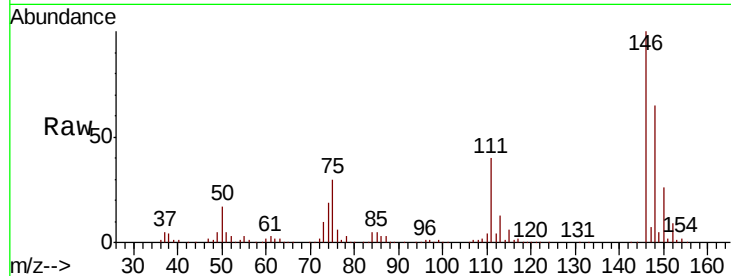




#65
 1,2-Dichlorobenzene
 Concen: 48.604 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

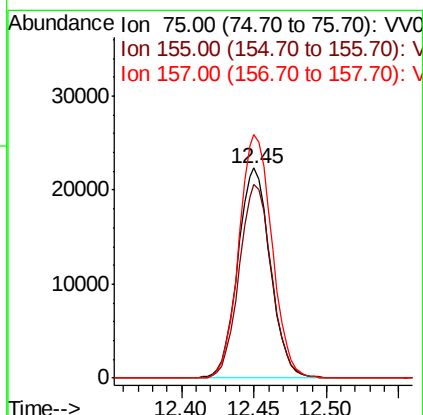
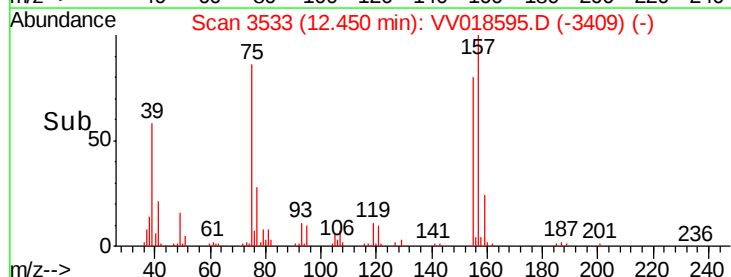
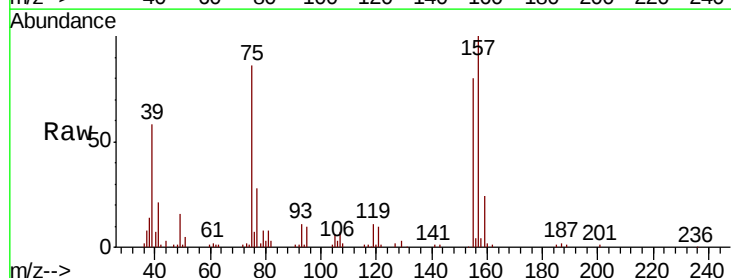
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

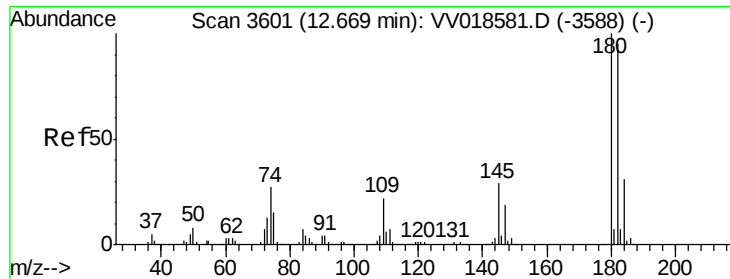
Tot Ion:146 Resp: 265284
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.8 49.2
 148 65.3 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.893 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion: 75 Resp: 34940
 Ion Ratio Lower Upper
 75 100
 155 92.4 73.0 109.6
 157 116.0 95.8 143.6

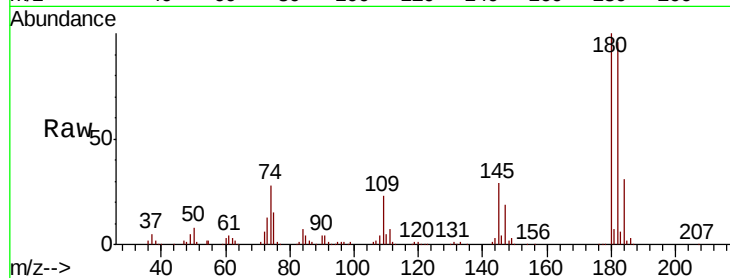




#67
 1,3,5-Trichlorobenzene
 Concen: 47.268 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.1	115.7
184	30.5	24.3	36.5
145	29.4	22.9	34.3



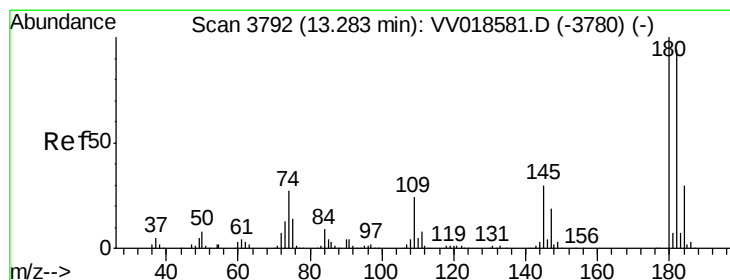
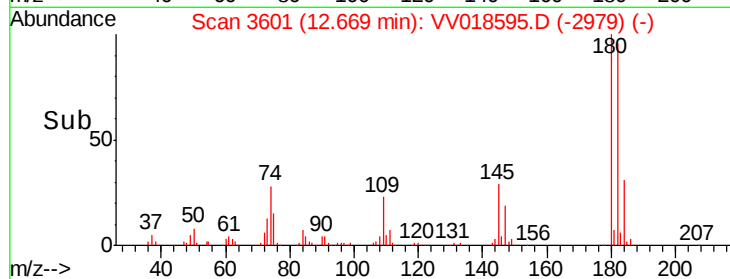
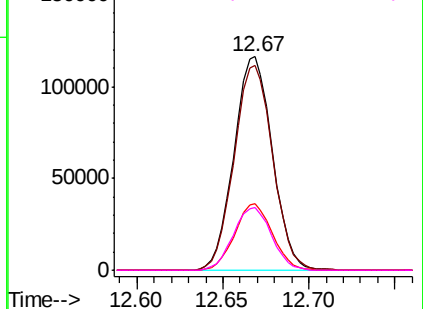
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

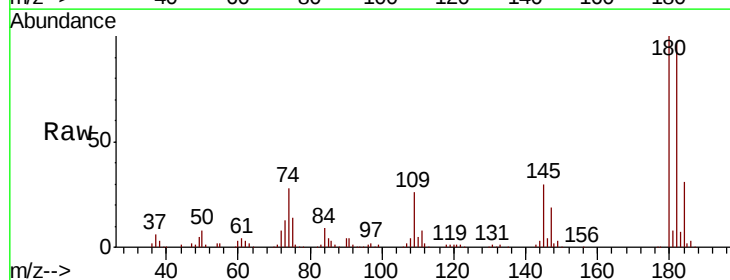
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.049 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018595.D
 Acq: 01 Oct 2020 17:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
145	30.0	23.6	35.4

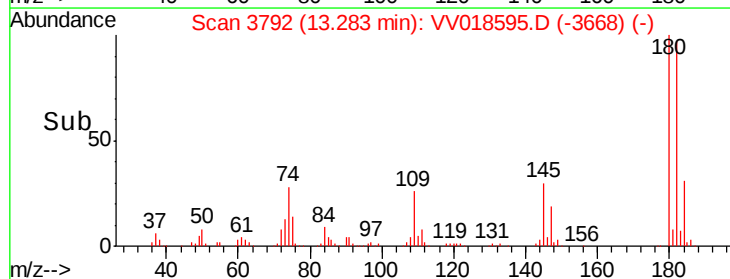
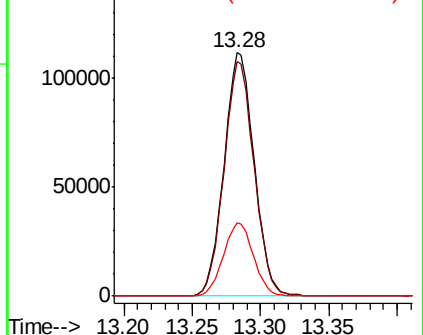


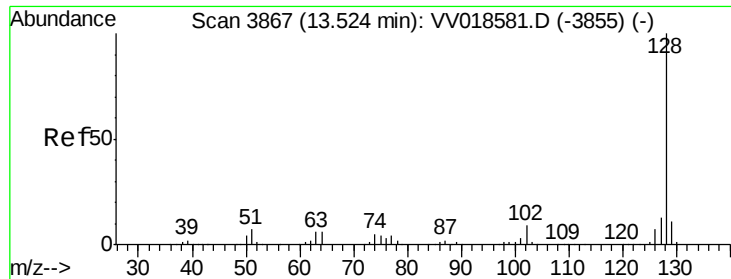
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.468 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

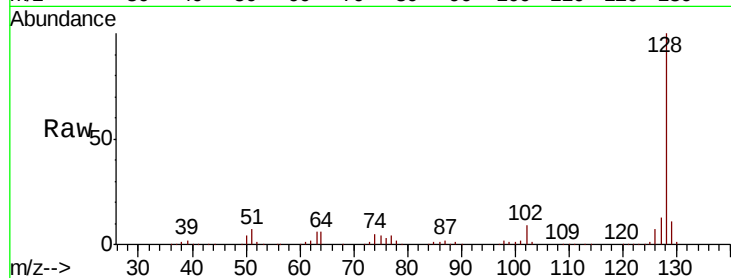
Tot Ion:128 Resp: 503577

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

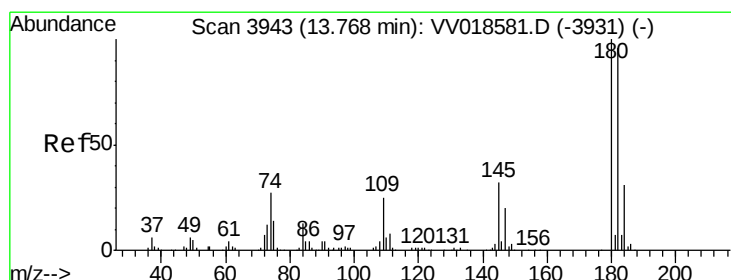
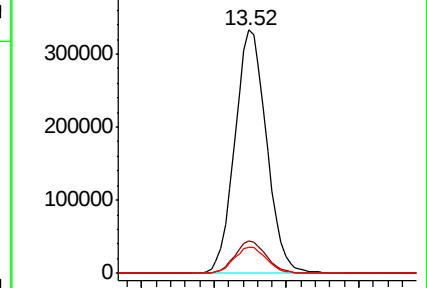
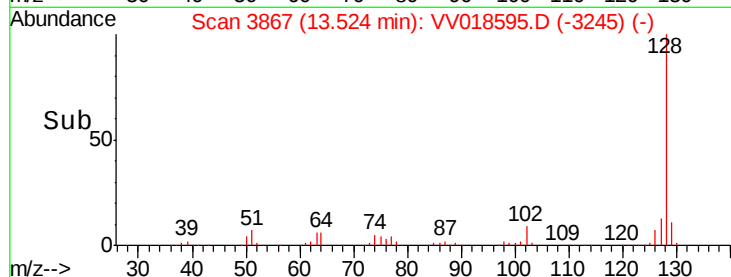
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.329 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018595.D

Acq: 01 Oct 2020 17:37

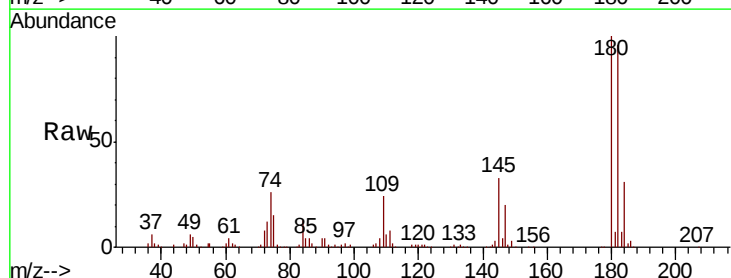
Tgt Ion:180 Resp: 172534

Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

145 32.3 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

