

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018190.D
 Acq On : 10 Sep 2020 19:41
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Sep 11 01:35:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291352	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288993	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159063	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100700	42.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.82%
7) Chloroethane-d5	1.58	69	87226	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.78%
11) 1,1-Dichloroethene-d2	2.13	63	200491	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	3.91	46	145388	100.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.04%
24) Chloroform-d	4.38	84	193053	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	5.06	65	126781	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
32) Benzene-d6	5.08	84	386747	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
36) 1,2-Dichloropropane-d6	6.09	67	123033	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.34	98	353908	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	60749	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.96%
47) 2-Hexanone-d5	8.11	63	101874	102.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	163973	49.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	153181	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	107769	50.727	ug/L	99
3) Chloromethane	1.25	50	118552	51.104	ug/L	99
5) Vinyl chloride	1.32	62	122057	51.308	ug/L	100
6) Bromomethane	1.53	94	75214	51.728	ug/L	98
8) Chloroethane	1.60	64	77243	51.834	ug/L	100
9) Trichlorofluoromethane	1.77	101	169182	51.689	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102067	51.915	ug/L	99
12) 1,1-Dichloroethene	2.14	96	99302	51.909	ug/L	92
13) Acetone	2.20	43	98320	84.485	ug/L	100
14) Carbon disulfide	2.31	76	295321	50.450	ug/L	99
15) Methyl Acetate	2.45	43	108455	51.858	ug/L	99
16) Methylene chloride	2.52	84	110687	51.591	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	102673	52.079	ug/L	100
18) Methyl tert-butyl Ether	2.79	73	323094	52.979	ug/L	100
19) 1,1-Dichloroethane	3.21	63	195483	52.443	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	111406	52.862	ug/L	99
22) 2-Butanone	4.00	43	145391	105.505	ug/L	98

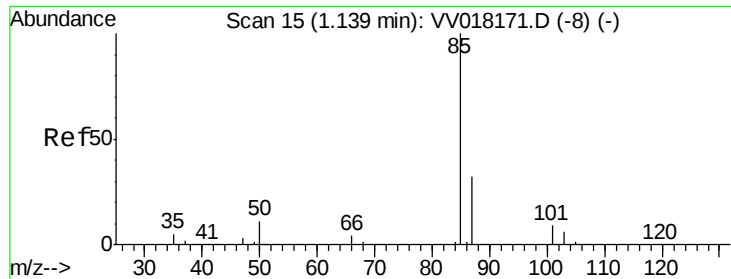
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 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	59379	53.851	ug/L	98
25) Chloroform	4.41	83	202804	53.524	ug/L	99
27) 1,2-Dichloroethane	5.16	62	155012	52.846	ug/L	99
29) Cyclohexane	4.71	56	172883	51.806	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	172480	51.427	ug/L	100
31) Carbon tetrachloride	4.86	117	149969	50.853	ug/L	99
33) Benzene	5.13	78	436304	52.804	ug/L	100
34) Trichloroethene	5.94	95	115424	51.280	ug/L	98
35) Methylcyclohexane	6.16	83	174674	51.542	ug/L	100
37) 1,2-Dichloropropane	6.20	63	113047	51.631	ug/L	99
38) Bromodichloromethane	6.53	83	148319	52.055	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	177735	52.685	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	288404	108.577	ug/L	99
42) Toluene	7.41	91	466027	53.296	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	174057	52.991	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	106666	52.560	ug/L	99
46) Tetrachloroethene	8.00	164	92269	52.282	ug/L	96
48) 2-Hexanone	8.16	43	225900	107.873	ug/L	100
49) Dibromochloromethane	8.27	129	118672	52.096	ug/L	98
50) 1,2-Dibromoethane	8.37	107	113944	53.349	ug/L	99
51) Chlorobenzene	8.90	112	300637	52.941	ug/L	99
52) Ethylbenzene	9.03	91	513926	53.834	ug/L	100
53) m,p-Xylene	9.16	106	194865	54.688	ug/L	97
54) o-xylene	9.56	106	189653	55.247	ug/L	97
55) Styrene	9.58	104	334016	55.981	ug/L	99
56) Isopropylbenzene	9.95	105	506422	54.738	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	163685	54.526	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	137787	53.504	ug/L	100
61) Bromoform	9.75	173	86138	50.409	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	250459	52.953	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	257418	52.949	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	251034	52.509	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34789	51.567	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	195818	52.515	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	181684	54.716	ug/L	99
69) Naphthalene	13.52	128	491829	58.538	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	183577	56.132	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.727 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

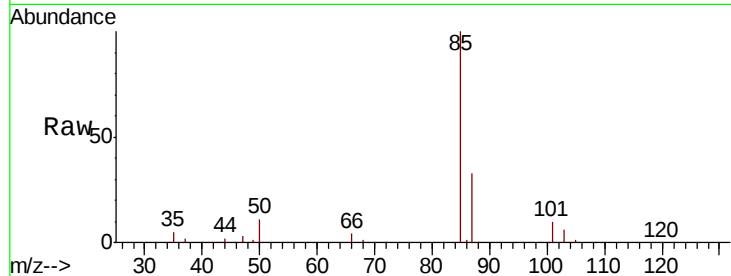
VSTD05097

Tot Ion: 85 Resp: 107769

Ion Ratio Lower Upper

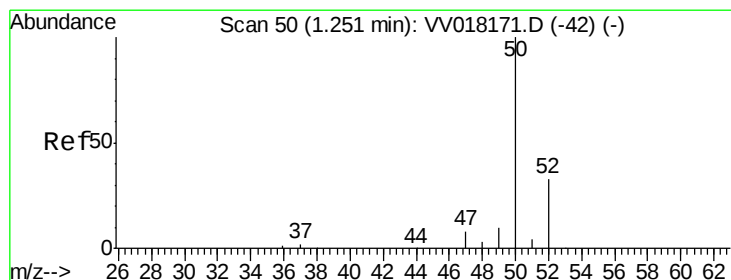
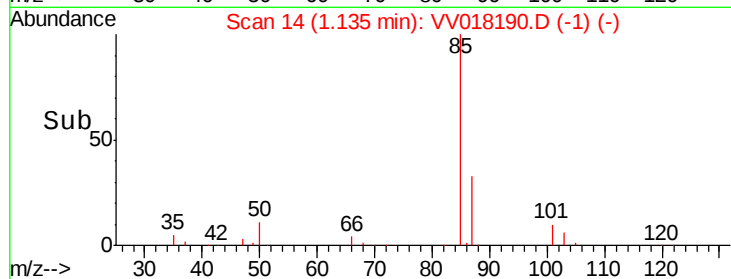
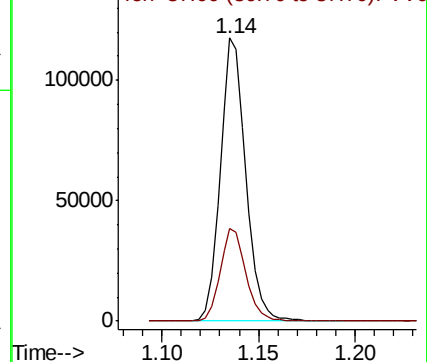
85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.104 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018190.D

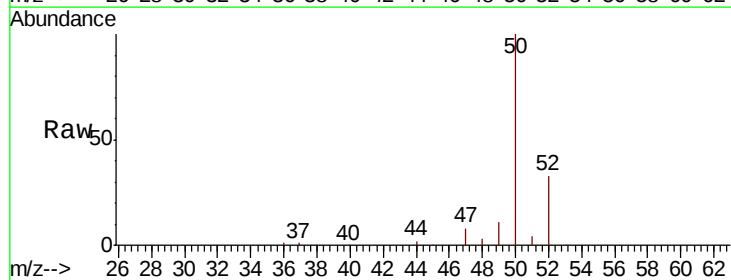
Acq: 10 Sep 2020 19:41

Tgt Ion: 50 Resp: 118552

Ion Ratio Lower Upper

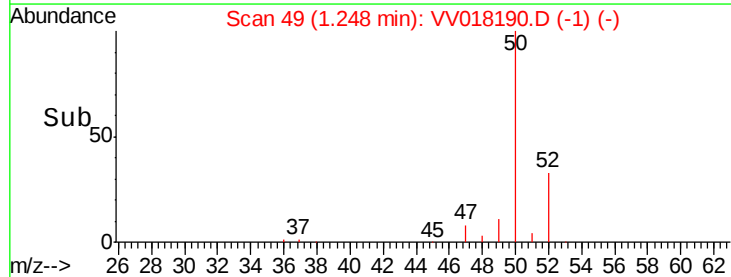
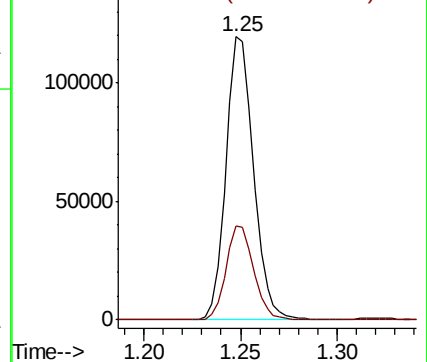
50 100

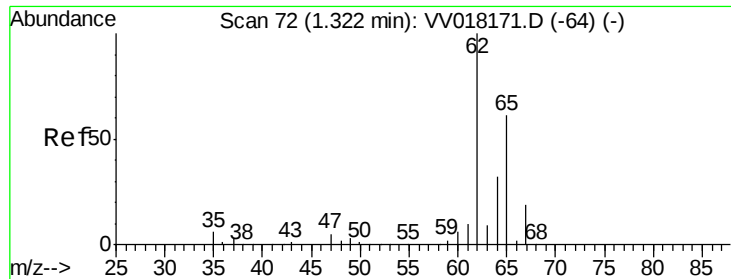
52 33.3 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.308 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

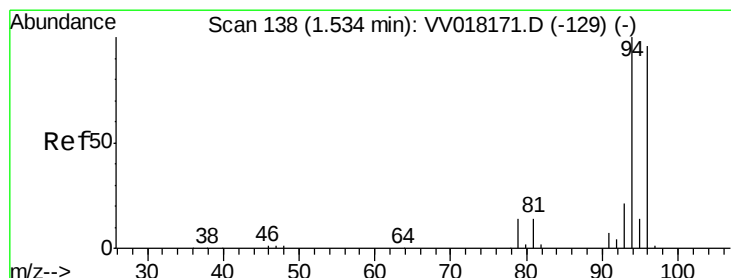
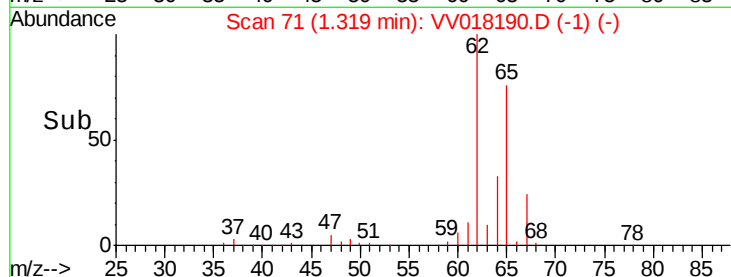
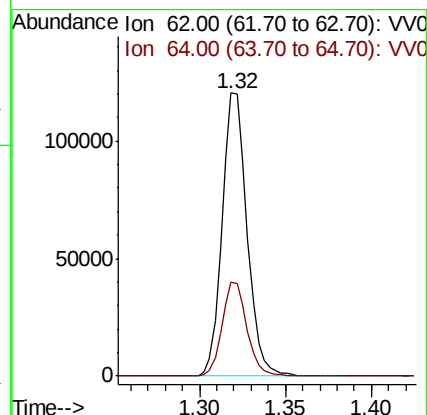
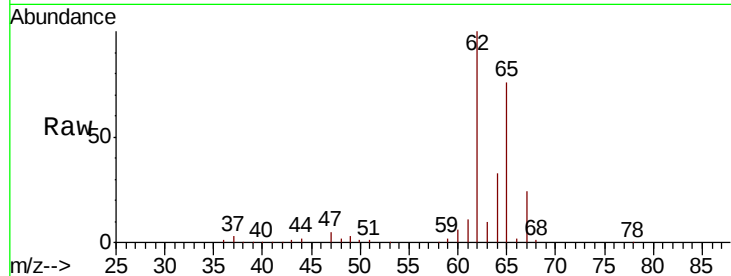
VSTD05097

Tot Ion: 62 Resp: 122057

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 51.728 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018190.D

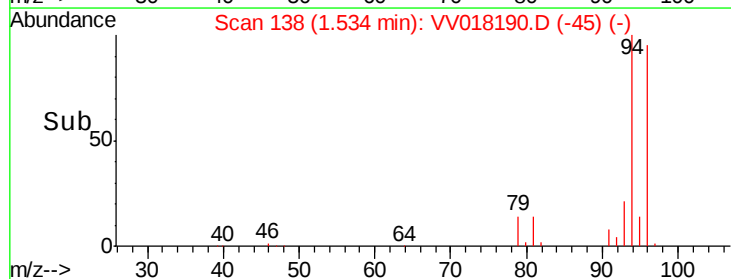
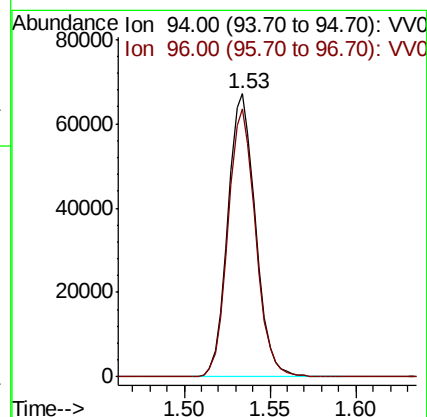
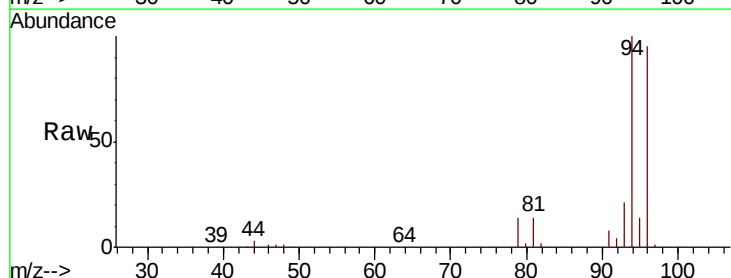
Acq: 10 Sep 2020 19:41

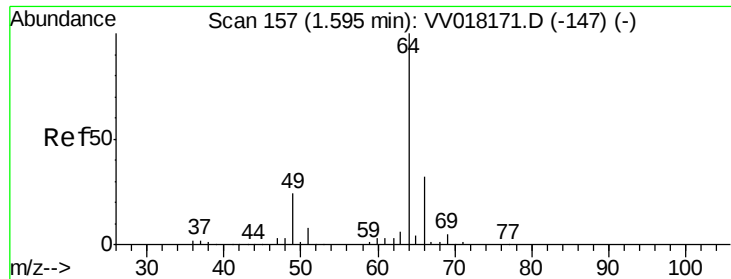
Tgt Ion: 94 Resp: 75214

Ion Ratio Lower Upper

94 100

96 94.7 65.1 120.9

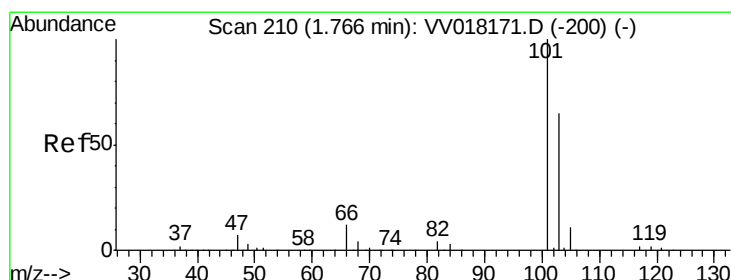
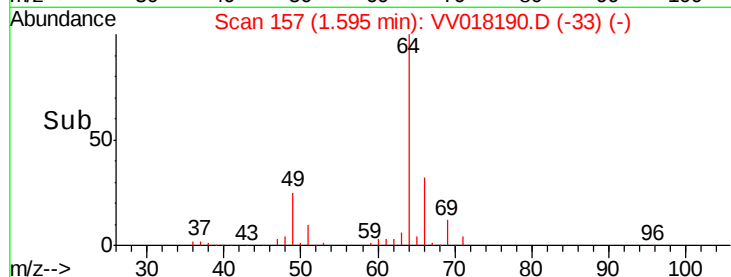
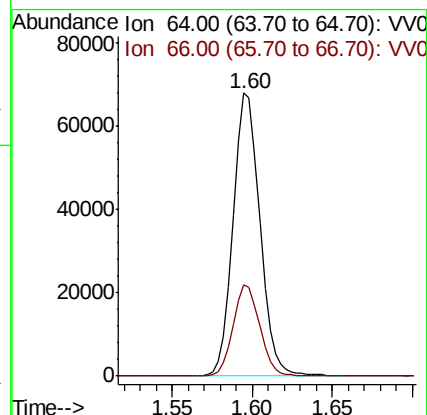
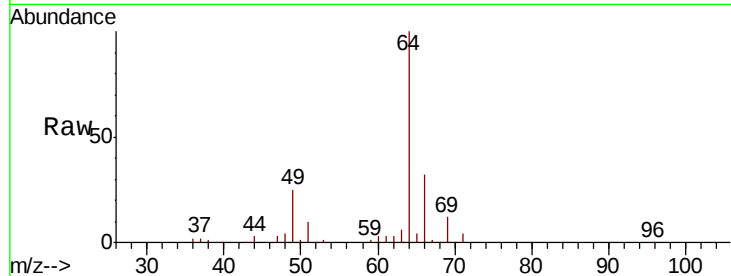




#8
Chloroethane
Concen: 51.834 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

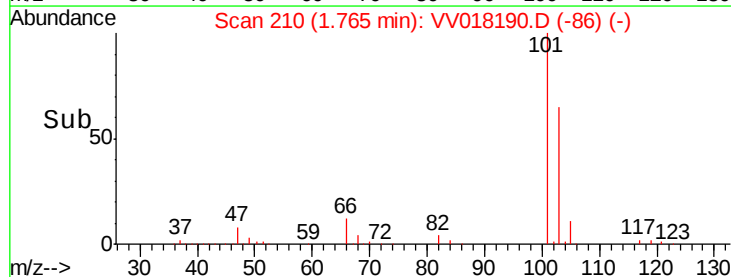
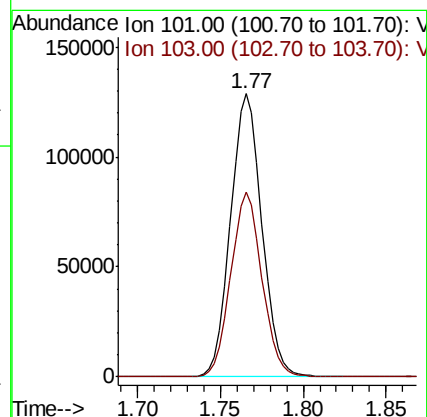
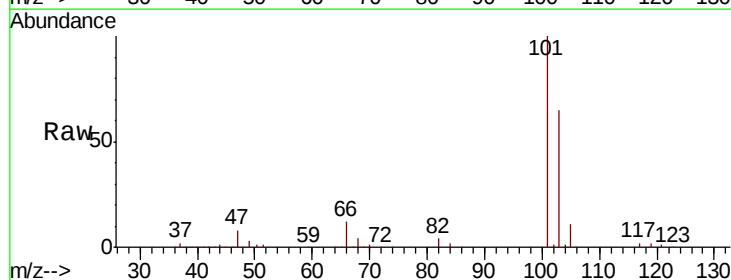
Instrument :
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VSTD05097

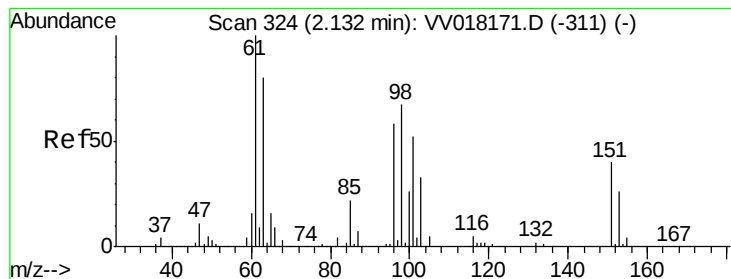
Tot Ion: 64 Resp: 77243
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 51.689 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion:101 Resp: 169182
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

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

Concen: 51.915 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

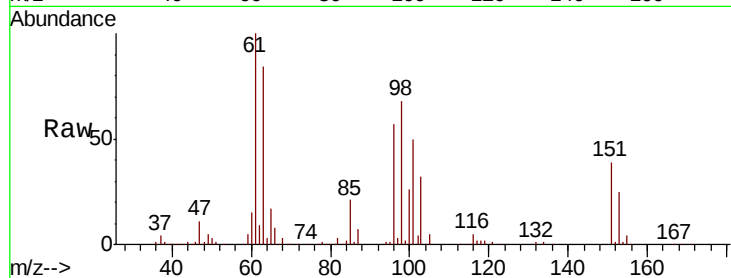
Tot Ion:101 Resp: 102067

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

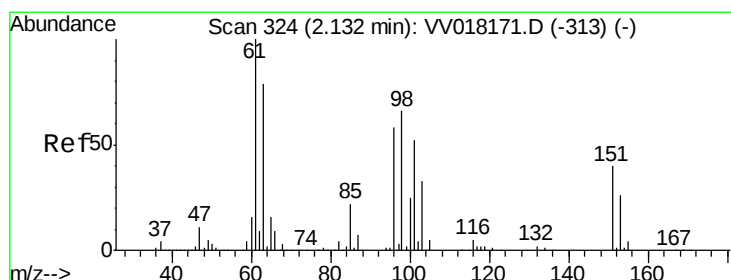
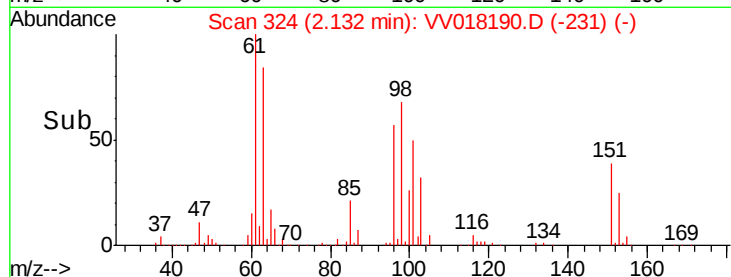
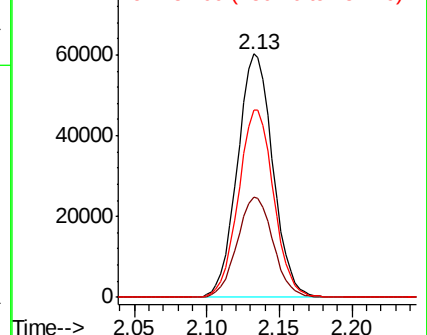
151 76.7 62.2 93.2



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: 51.909 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

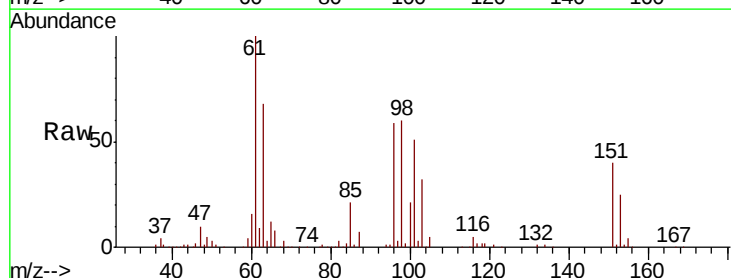
Tgt Ion: 96 Resp: 99302

Ion Ratio Lower Upper

96 100

61 169.4 122.9 228.3

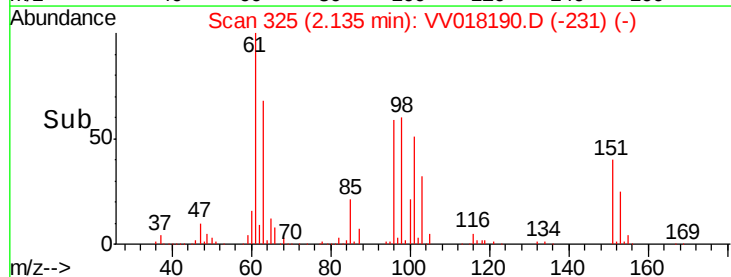
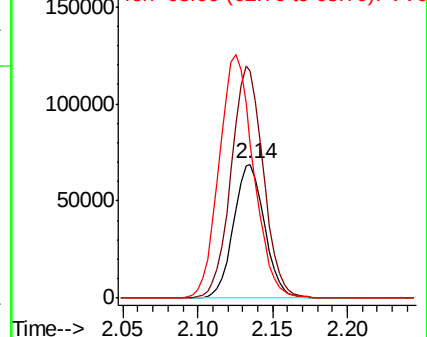
63 115.4 91.9 170.7

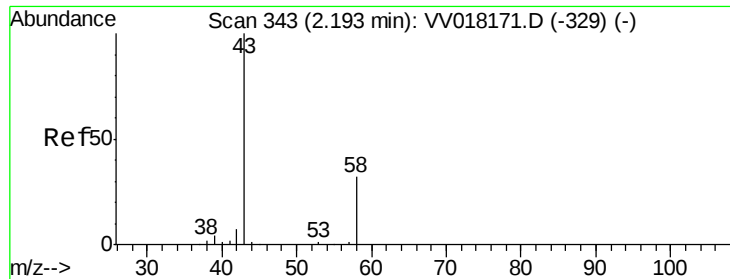


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 84.485 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

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ClientSampleId :

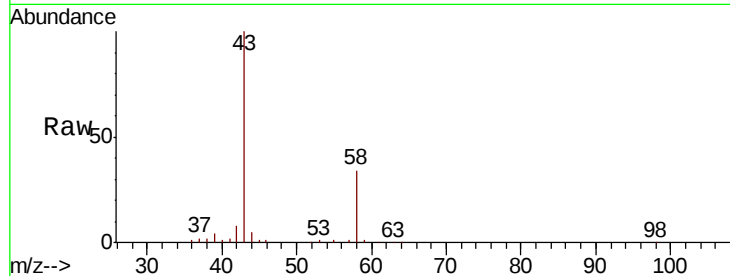
VSTD05097

Tot Ion: 43 Resp: 98320

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018190.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV018190.D (-250) (-)

2.20

40000

30000

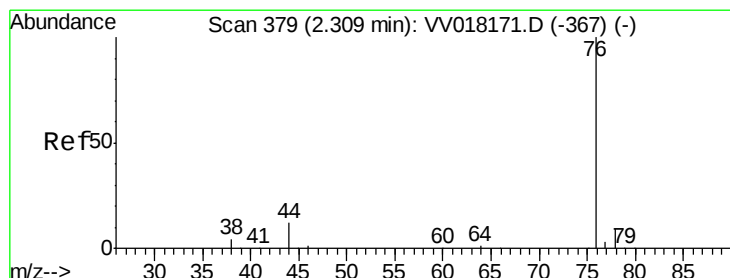
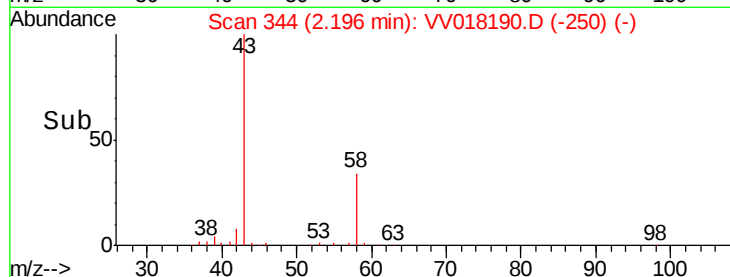
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 50.450 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018190.D

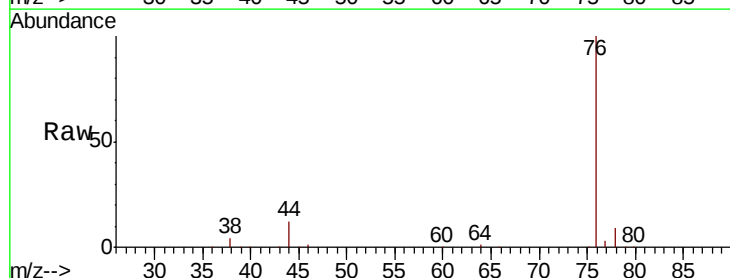
Acq: 10 Sep 2020 19:41

Tgt Ion: 76 Resp: 295321

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018190.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018190.D (-286) (-)

2.31

200000

150000

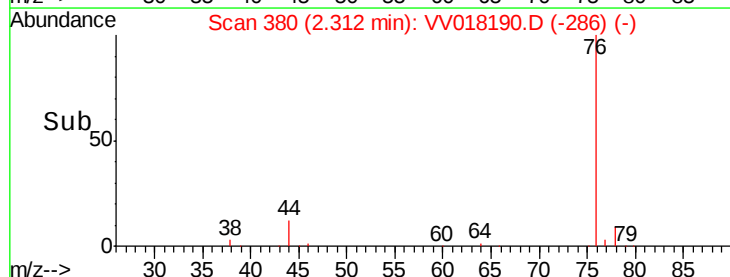
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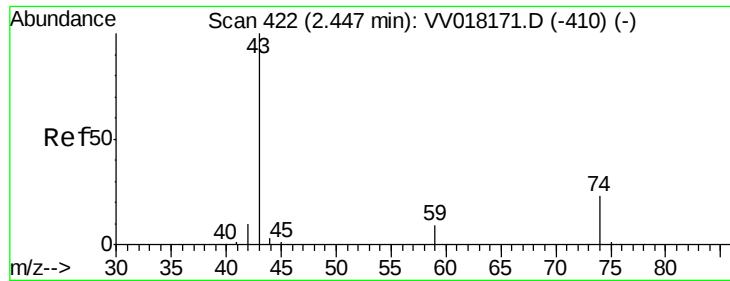
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Time-->

2.25 2.30 2.35 2.40

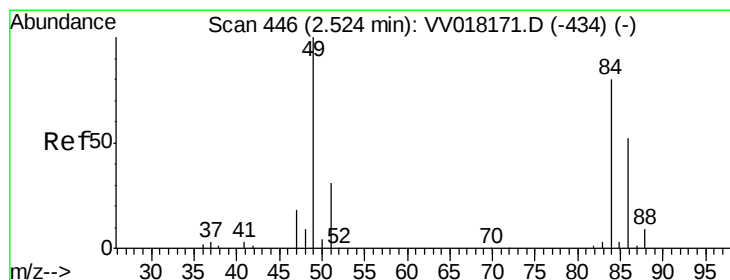
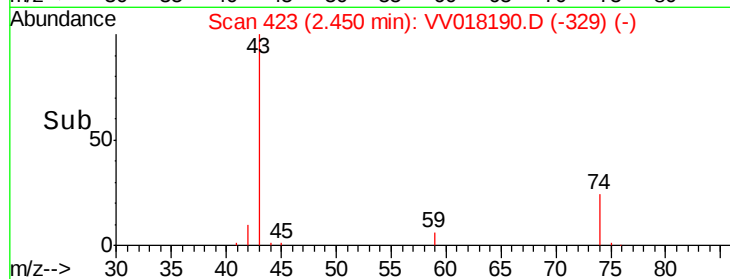
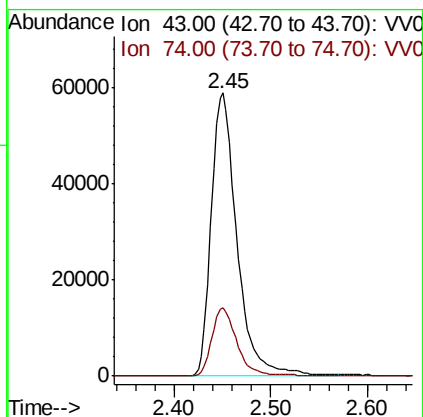
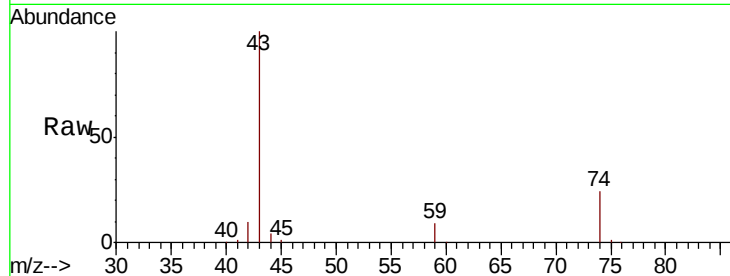




#15
Methyl Acetate
Concen: 51.858 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

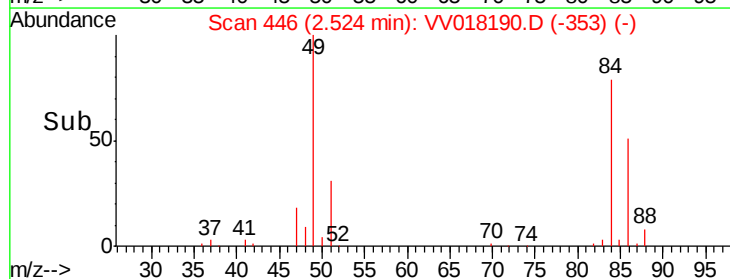
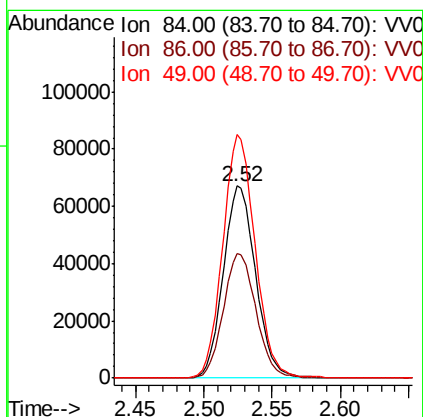
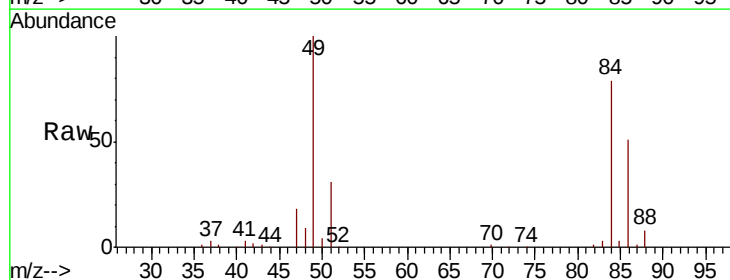
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

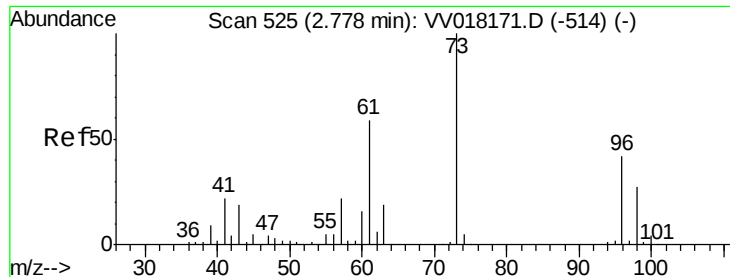
Tot Ion: 43 Resp: 108455
Ion Ratio Lower Upper
43 100
74 23.4 18.4 27.6



#16
Methylene chloride
Concen: 51.591 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion: 84 Resp: 110687
Ion Ratio Lower Upper
84 100
86 65.1 44.4 82.4
49 126.9 87.2 162.0

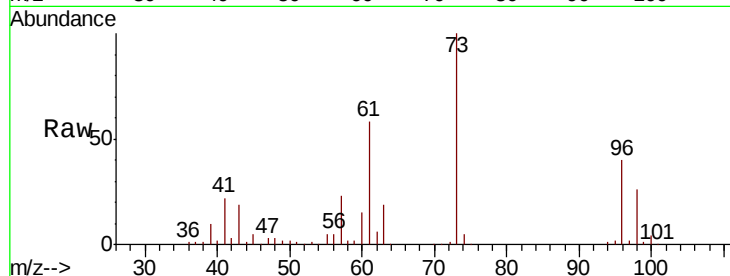




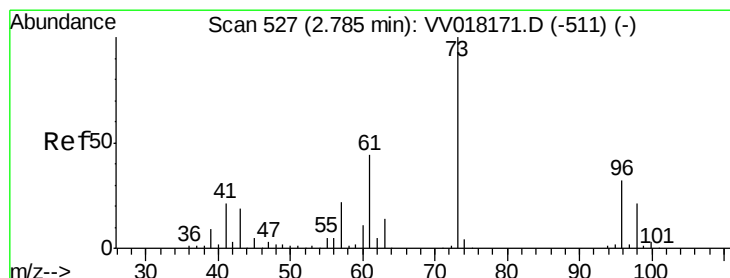
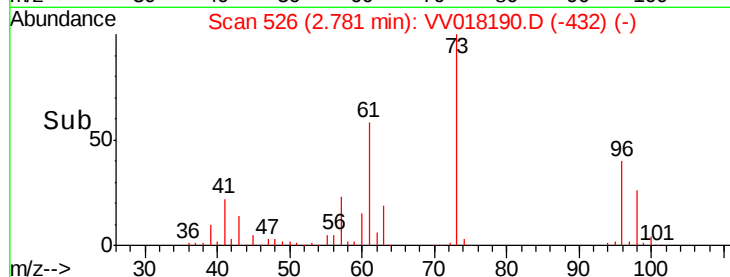
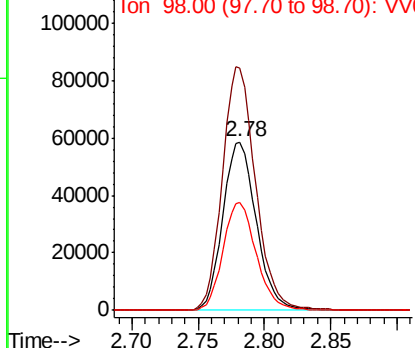
#17
trans-1,2-Dichloroethene
Concen: 52.079 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 96 Resp: 102673
Ion Ratio Lower Upper
96 100
61 144.0 100.7 186.9
98 63.9 45.2 84.0

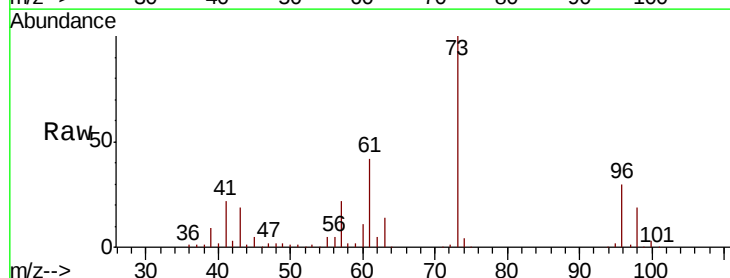


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

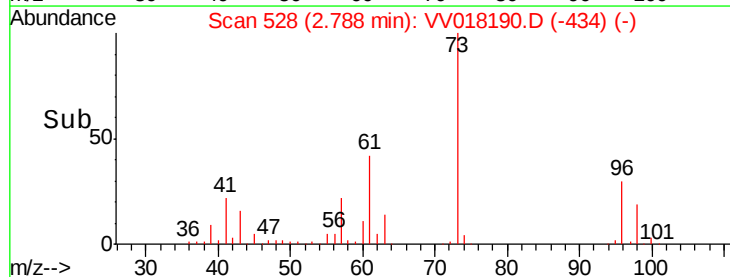
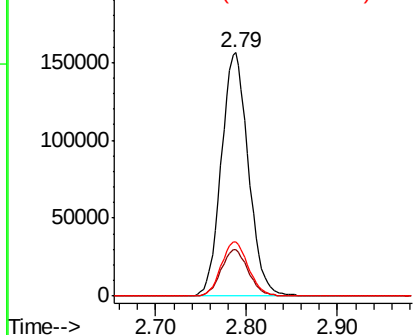


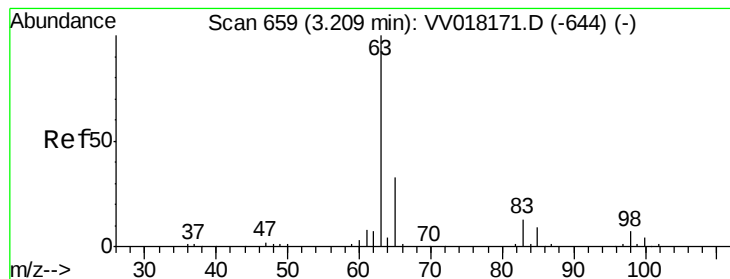
#18
Methyl tert-butyl Ether
Concen: 52.979 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion: 73 Resp: 323094
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0
57 22.5 18.0 27.0



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: 52.443 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

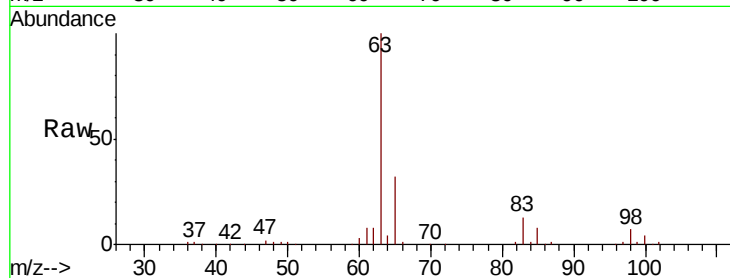
Tot Ion: 63 Resp: 195483

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

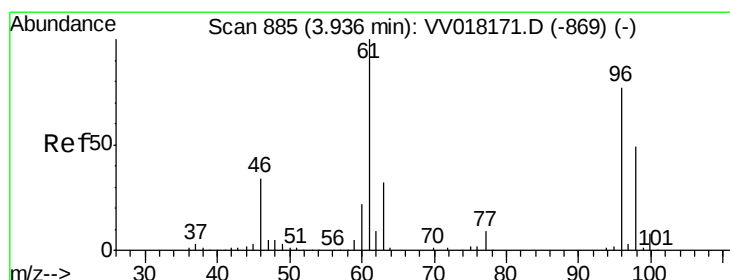
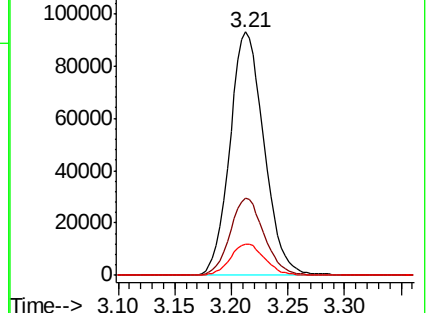
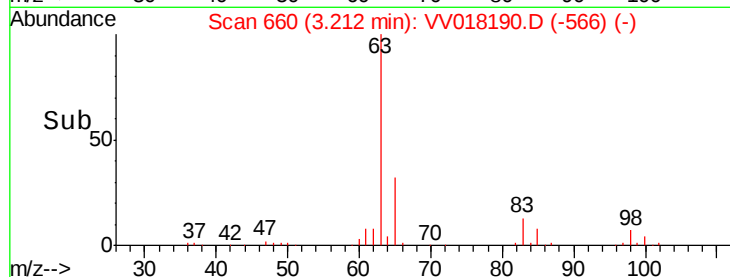
83 12.9 9.3 17.3



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: 52.862 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

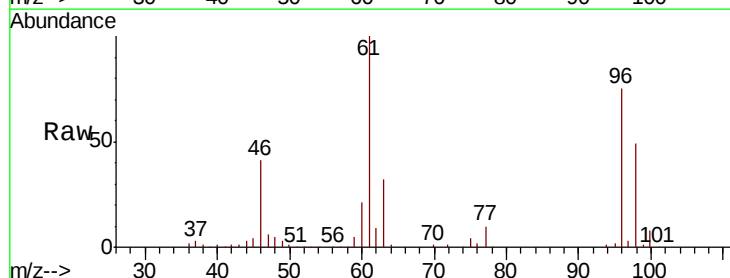
Tgt Ion: 96 Resp: 111406

Ion Ratio Lower Upper

96 100

61 133.1 93.6 173.8

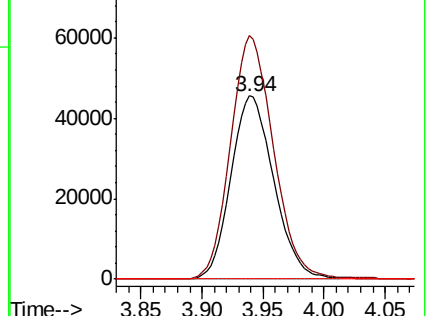
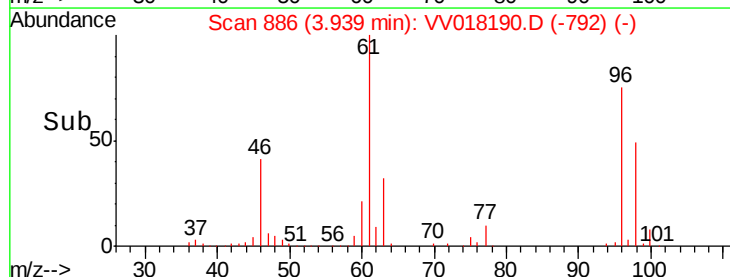
68 0.0 0.0 0.0

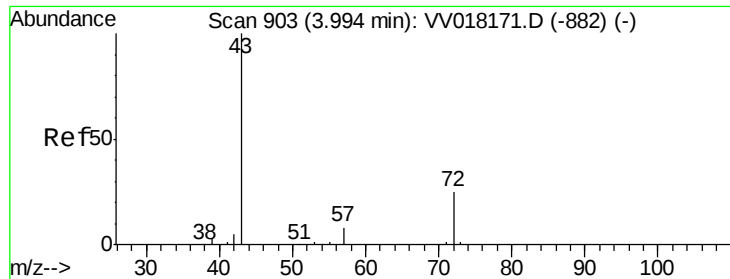


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 105.505 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

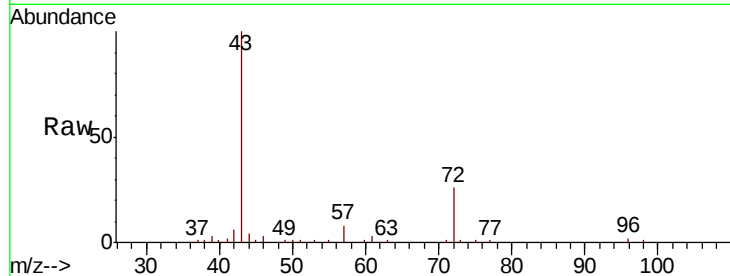
VSTD05097

Tot Ion: 43 Resp: 145391

Ion Ratio Lower Upper

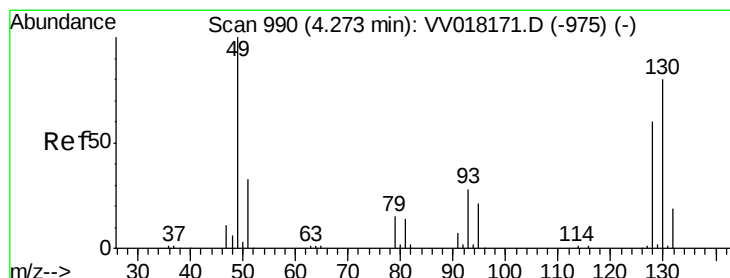
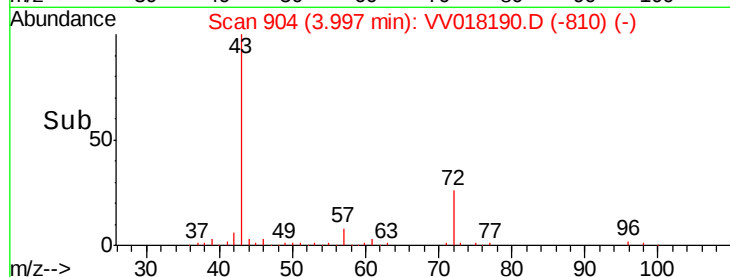
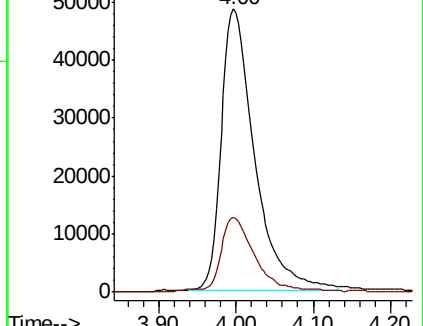
43 100

72 24.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018190.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018190.D (-810) (-)



#23

Bromochloromethane

Concen: 53.851 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Tgt Ion: 128 Resp: 59379

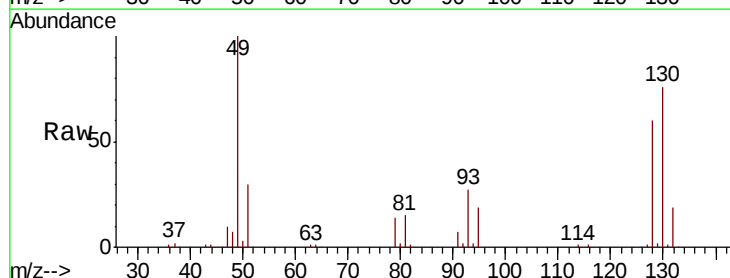
Ion Ratio Lower Upper

128 100

49 166.2 114.4 212.6

130 126.6 87.9 163.3

51 50.4 41.8 62.8

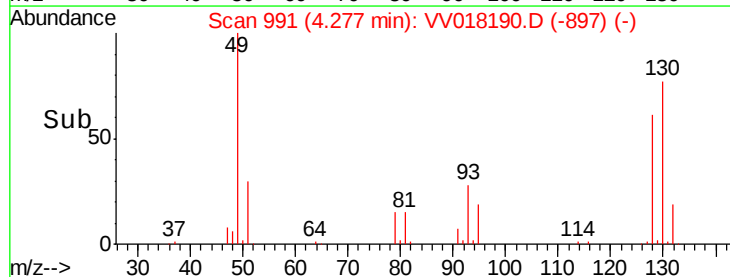
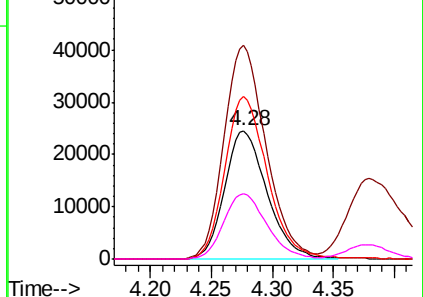


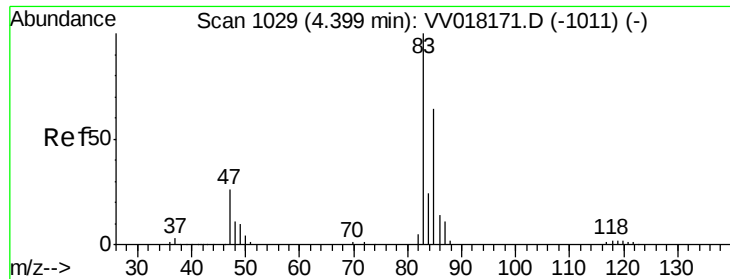
Abundance Ion 128.00 (127.70 to 128.70): VV018190.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018190.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018190.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018190.D (-897) (-)

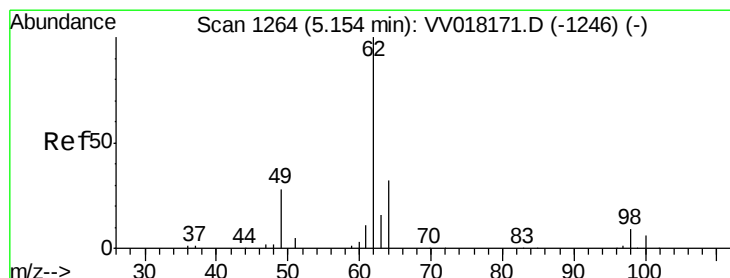
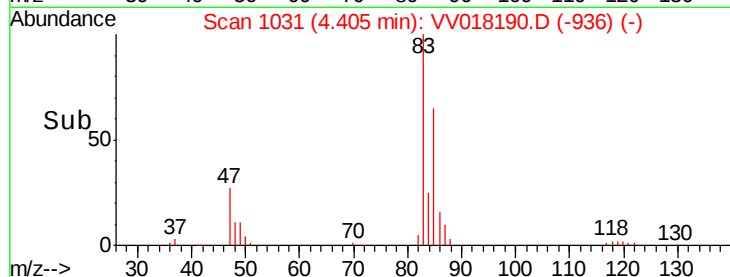
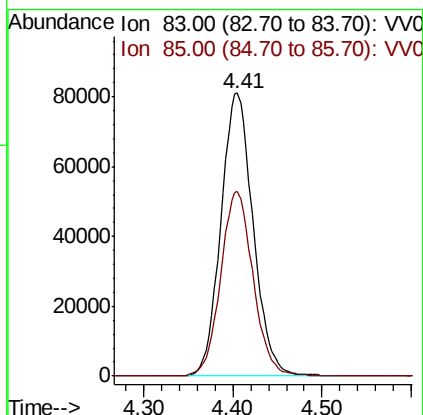
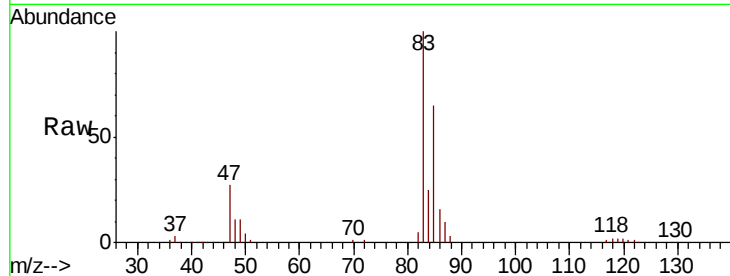




#25
Chloroform
Concen: 53.524 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

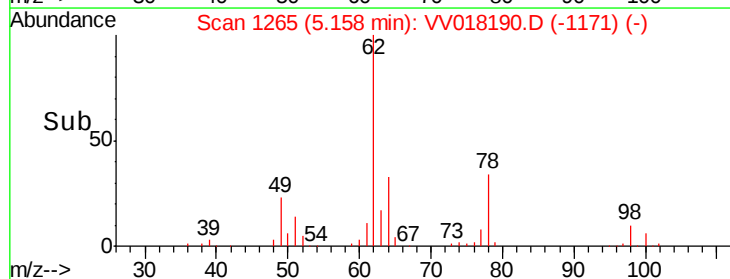
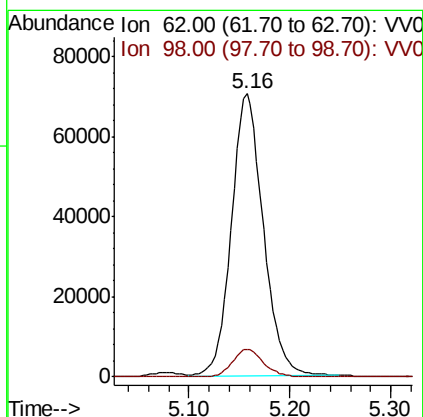
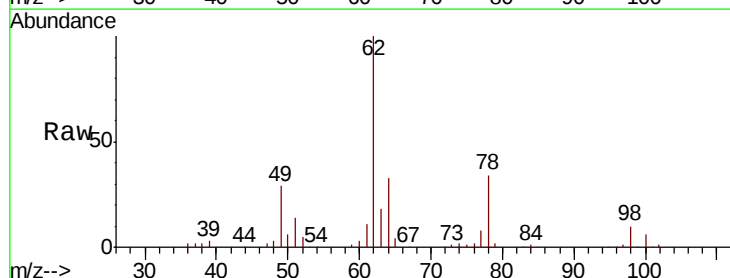
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

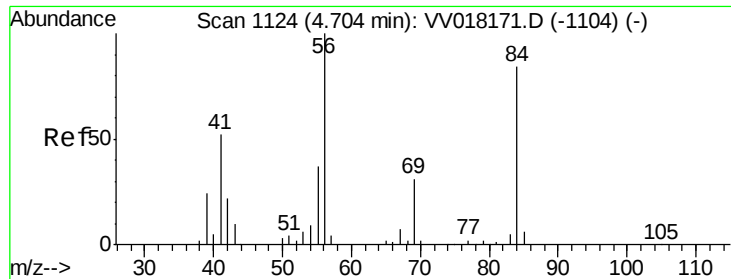
Tot Ion: 83 Resp: 202804
Ion Ratio Lower Upper
83 100
85 65.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 52.846 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion: 62 Resp: 155012
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

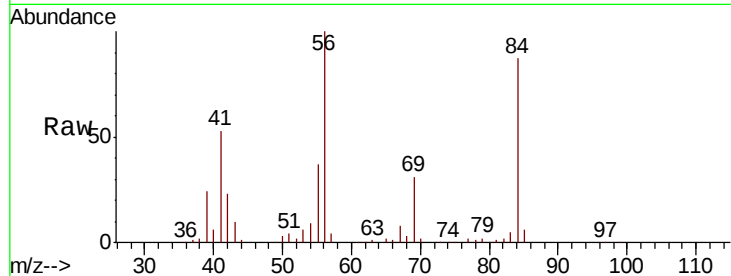




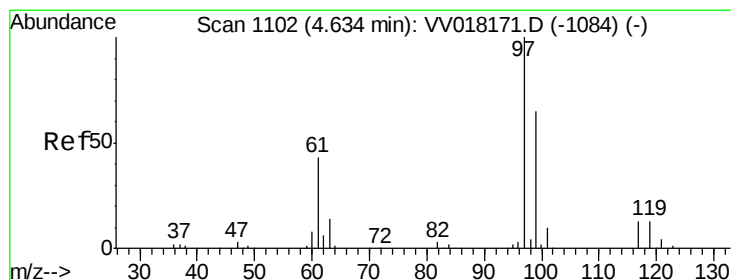
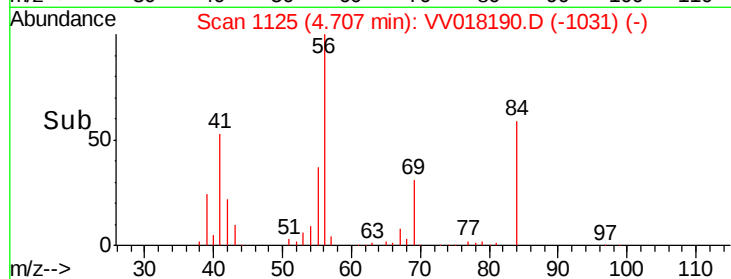
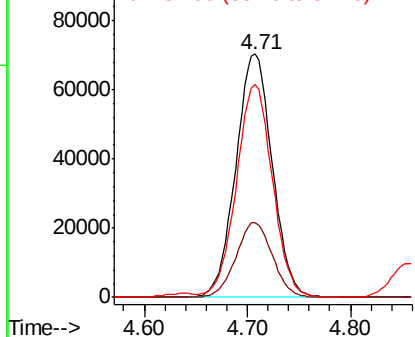
#29
Cyclohexane
Concen: 51.806 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 56 Resp: 172883
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.2
84 86.9 68.3 102.5

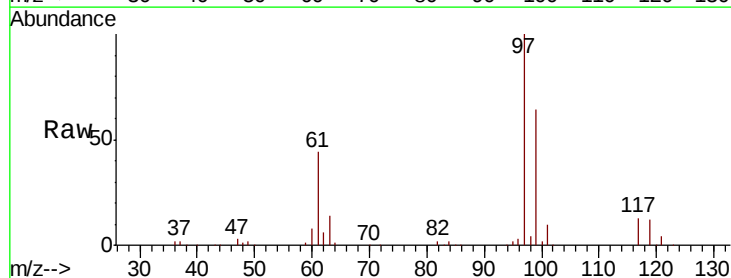


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

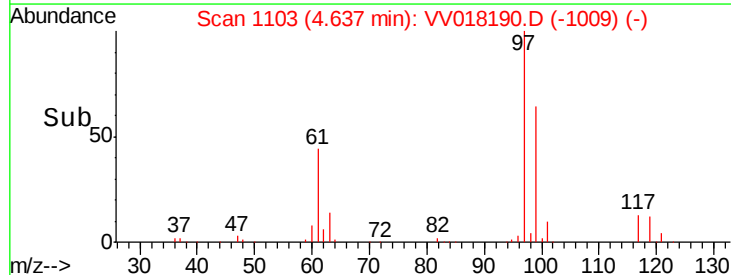
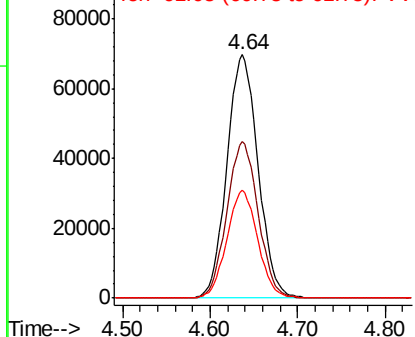


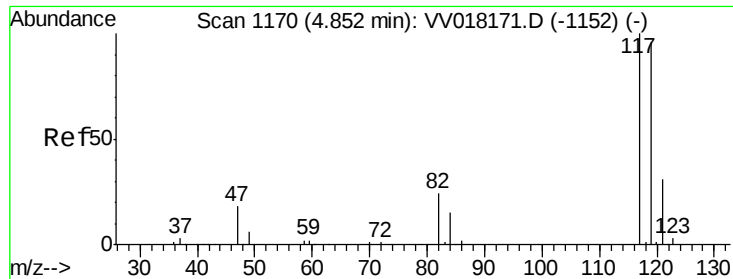
#30
1,1,1-Trichloroethane
Concen: 51.427 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion: 97 Resp: 172480
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.0 34.9 52.3



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: 50.853 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

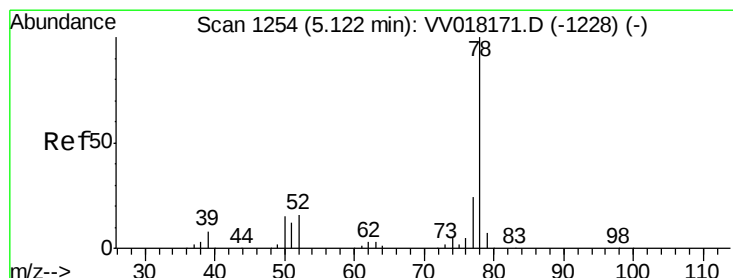
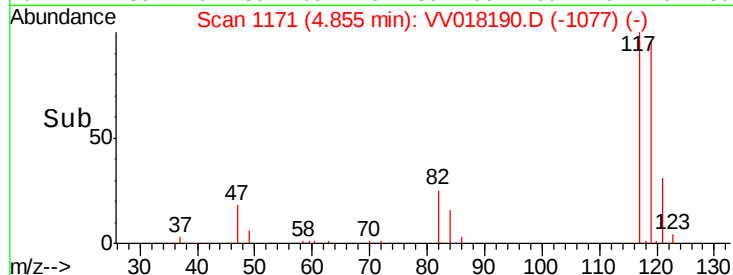
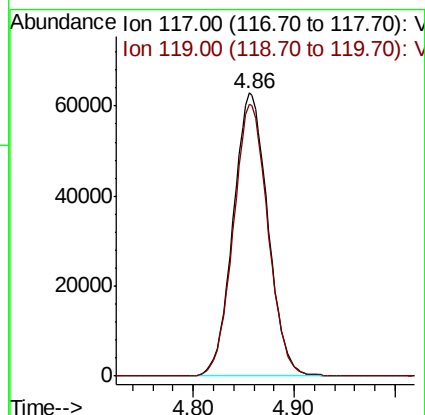
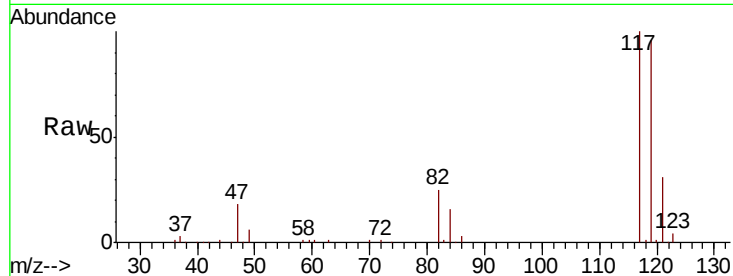
VSTD05097

Tot Ion:117 Resp: 149969

Ion Ratio Lower Upper

117 100

119 95.9 75.7 113.5



#33

Benzene

Concen: 52.804 ug/L

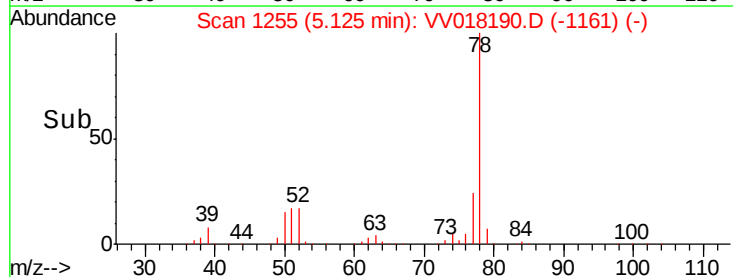
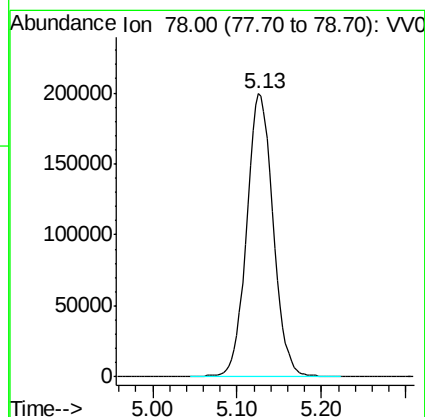
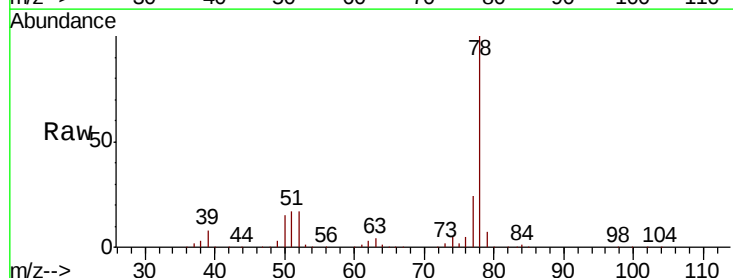
RT: 5.13 min Scan# 1255

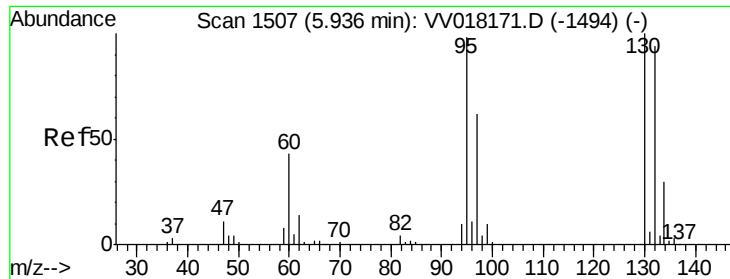
Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Tgt Ion: 78 Resp: 436304

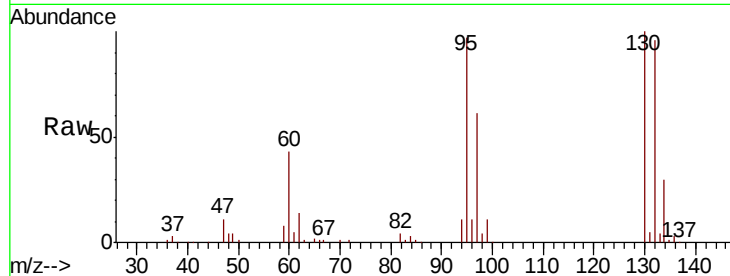




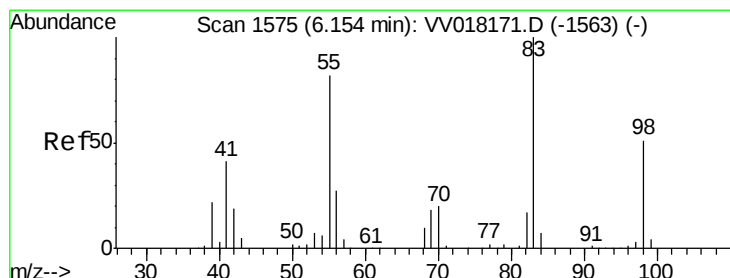
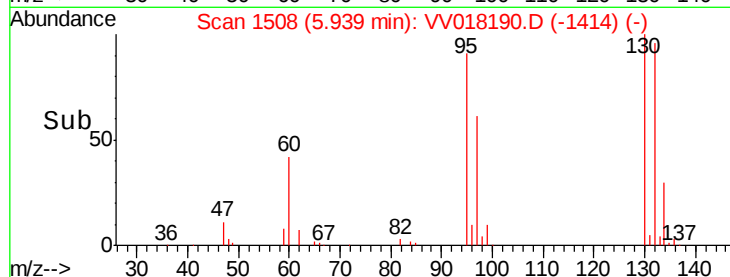
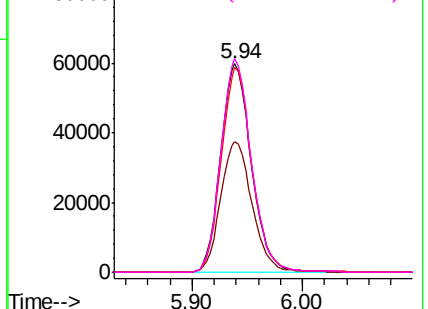
#34
 Trichloroethene
 Concen: 51.280 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion: 95 Resp: 115424
 Ion Ratio Lower Upper
 95 100
 97 62.9 46.3 85.9
 132 98.4 68.1 126.5
 130 102.6 71.5 132.9

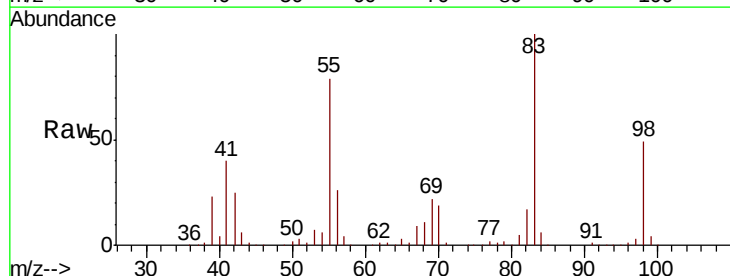


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

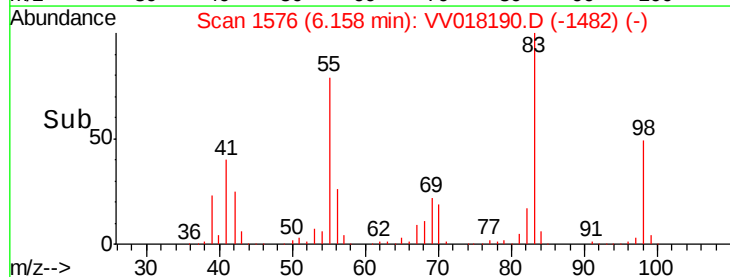
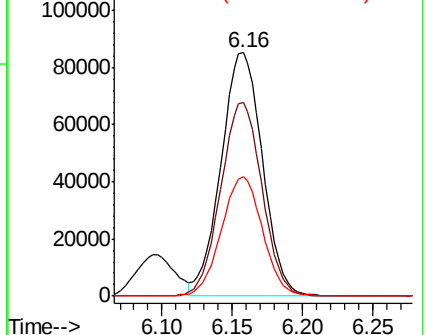


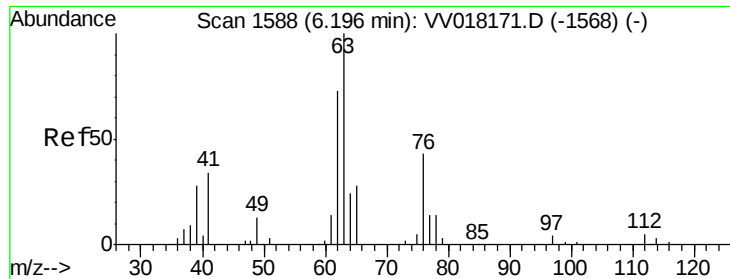
#35
 Methylcyclohexane
 Concen: 51.542 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion: 83 Resp: 174674
 Ion Ratio Lower Upper
 83 100
 55 79.5 63.4 95.2
 98 49.0 38.8 58.2



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

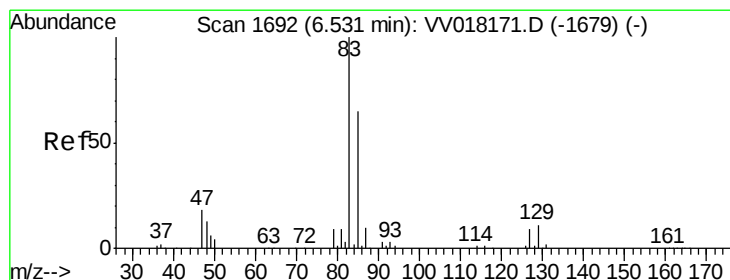
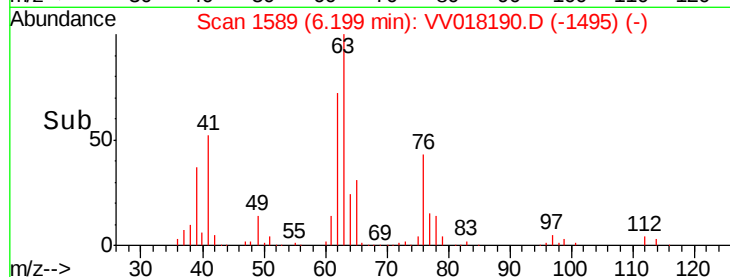
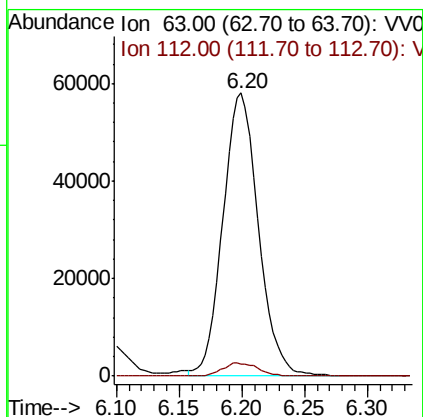
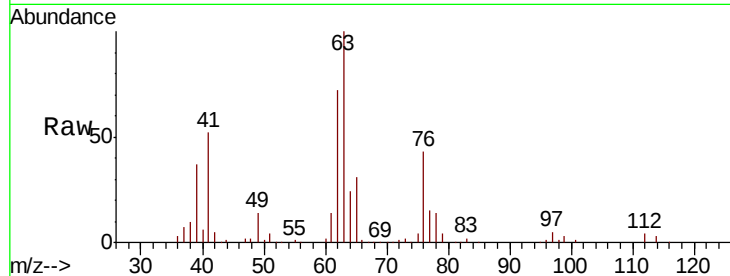




#37
 1,2-Dichloropropane
 Concen: 51.631 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

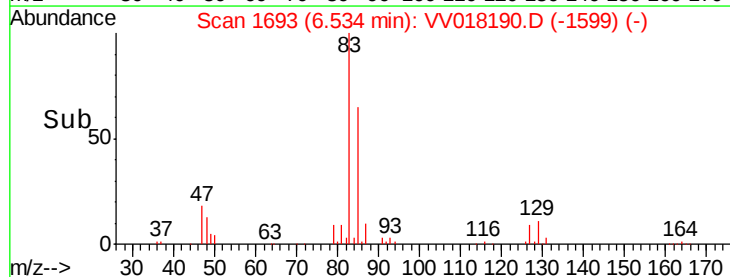
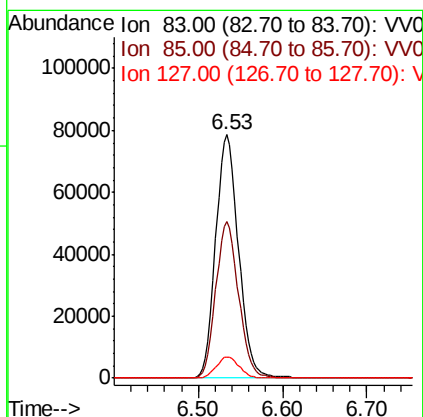
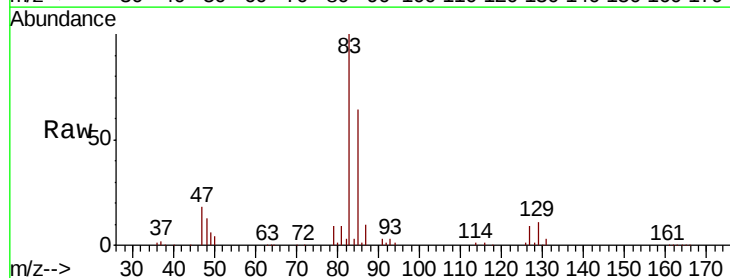
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

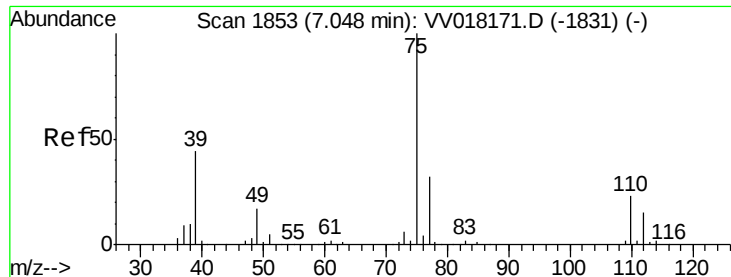
Tot Ion: 63 Resp: 113047
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 52.055 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion: 83 Resp: 148319
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 82.9
 127 8.7 6.7 10.1

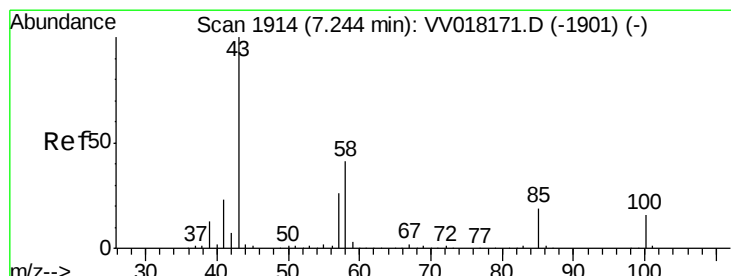
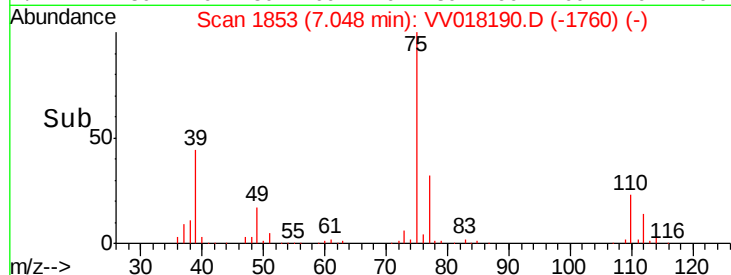
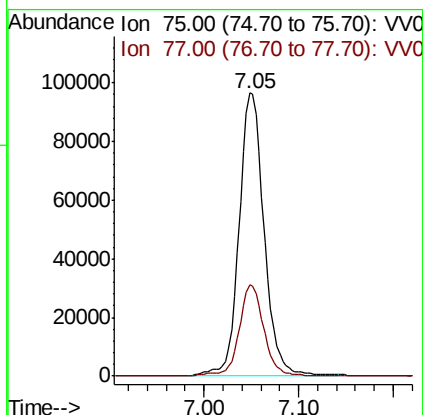
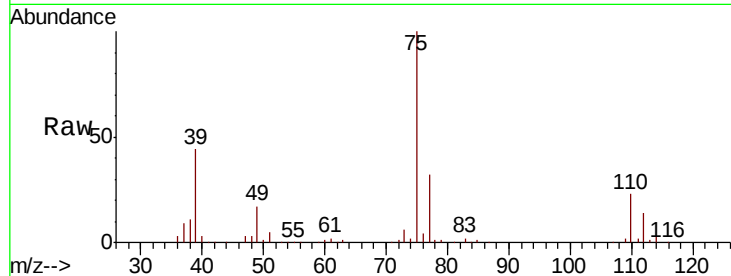




#39
 cis-1,3-Dichloropropene
 Concen: 52.685 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

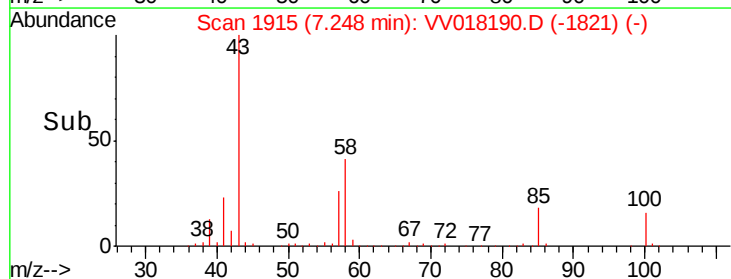
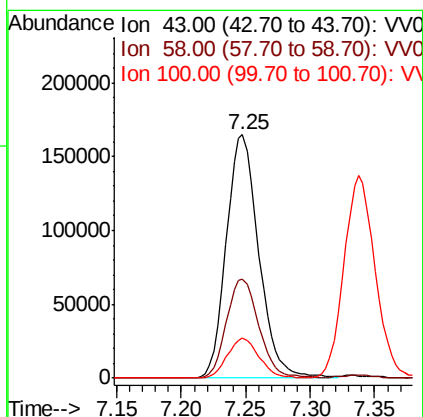
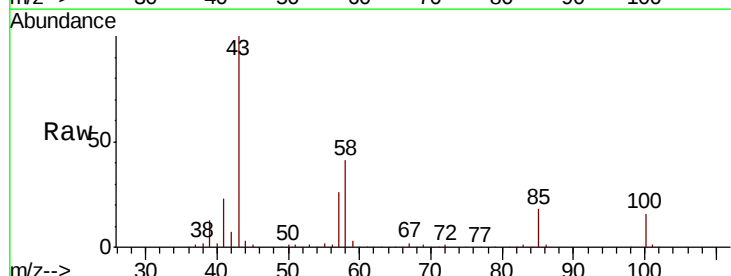
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

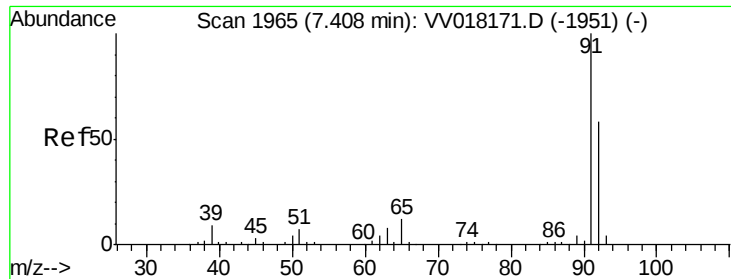
Tot Ion: 75 Resp: 177735
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 108.577 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion: 43 Resp: 288404
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 16.2 12.7 19.1





#42

Toluene

Concen: 53.296 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

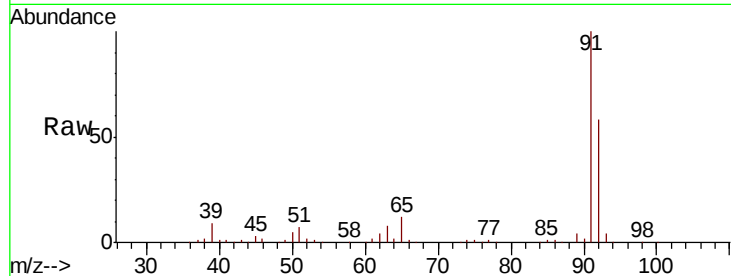
VSTD05097

Tot Ion: 91 Resp: 466027

Ion Ratio Lower Upper

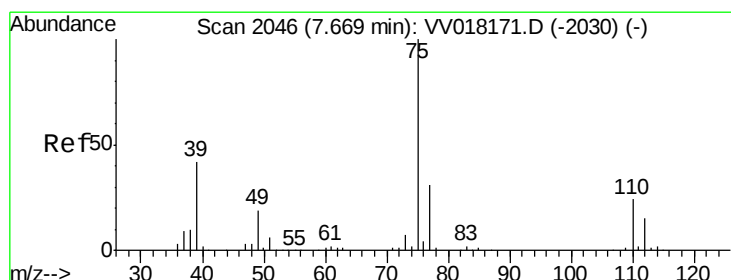
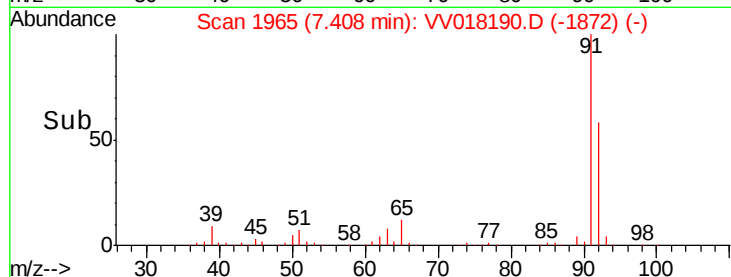
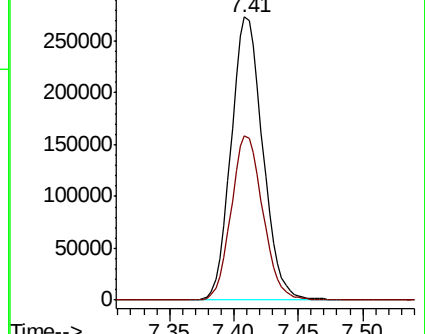
91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.991 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018190.D

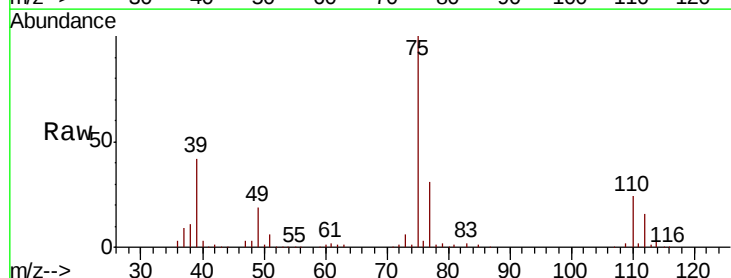
Acq: 10 Sep 2020 19:41

Tgt Ion: 75 Resp: 174057

Ion Ratio Lower Upper

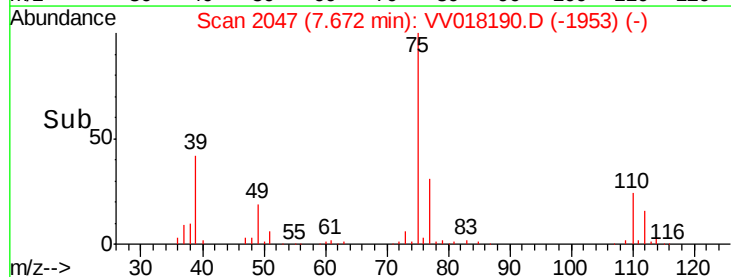
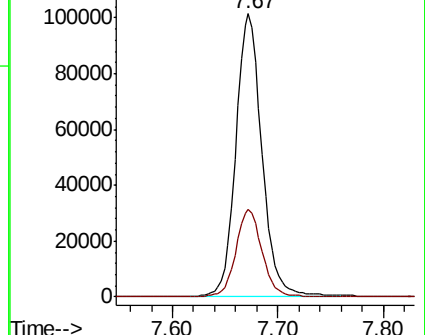
75 100

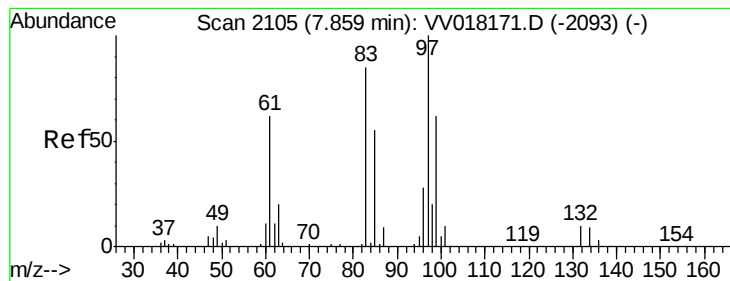
77 31.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 52.560 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

Tot Ion: 97 Resp: 106666

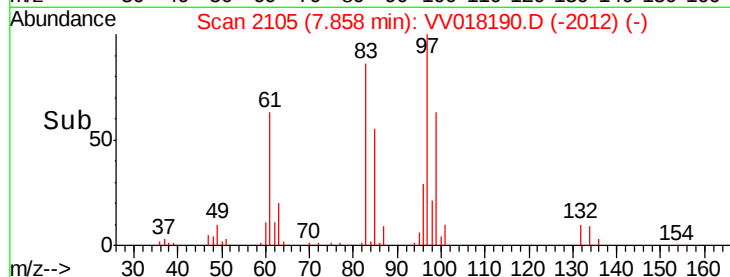
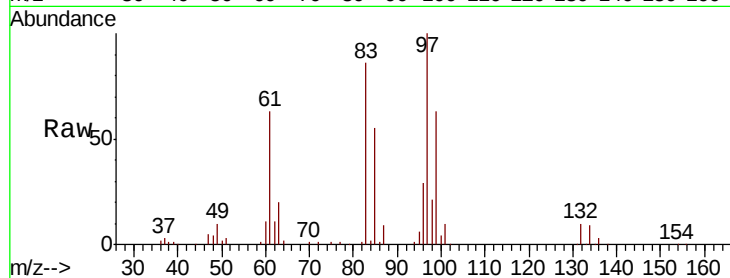
Ion Ratio Lower Upper

97 100

99 62.6 43.7 81.1

83 86.5 59.9 111.3

85 55.1 37.6 69.8



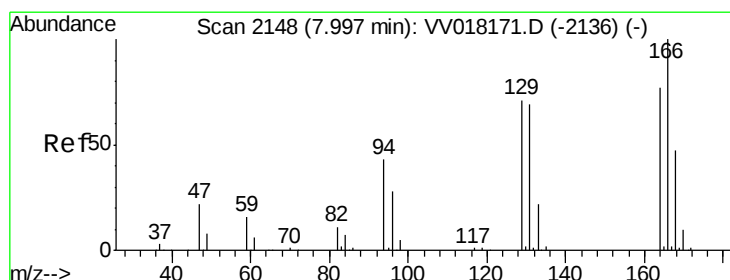
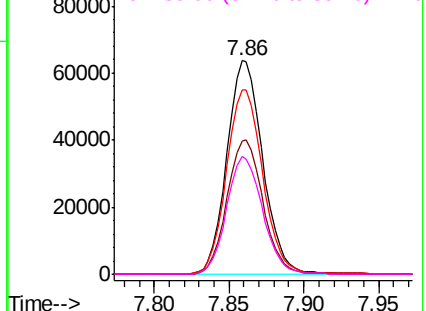
Abundance

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: 52.282 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Tgt Ion: 164 Resp: 92269

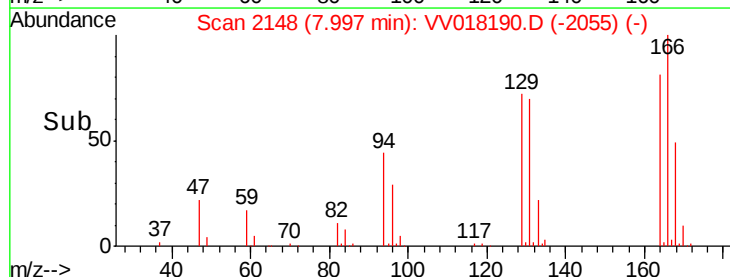
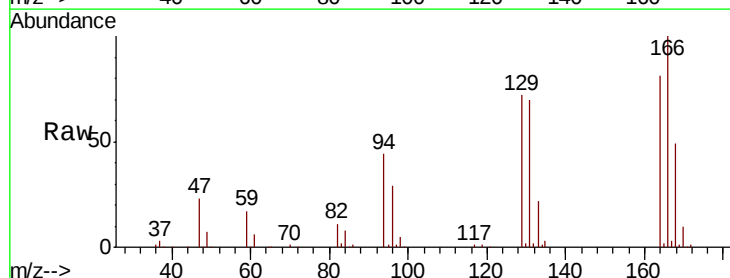
Ion Ratio Lower Upper

164 100

129 89.0 64.5 119.7

131 86.5 61.8 114.8

166 123.4 90.6 168.2



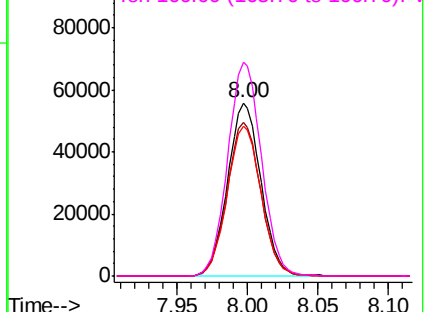
Abundance

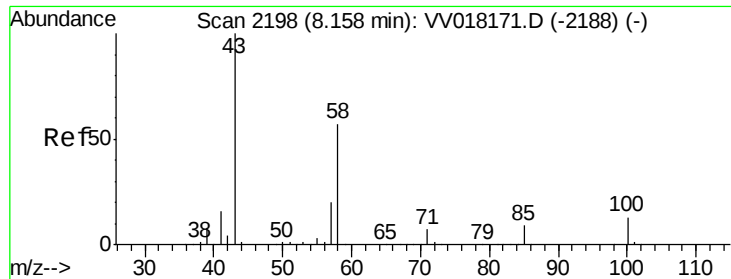
Ion 164.00 (163.70 to 164.70): V

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

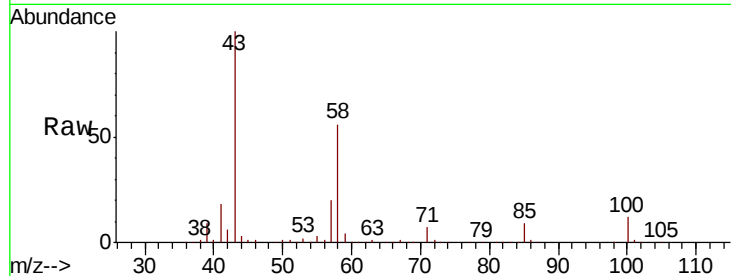




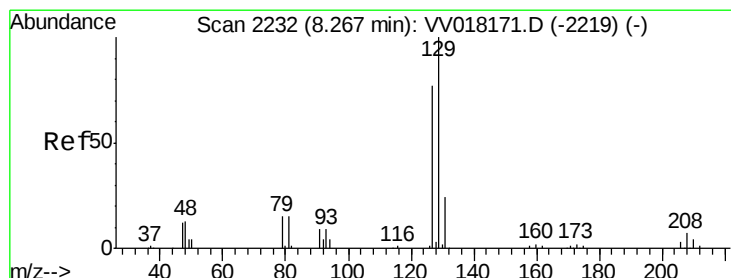
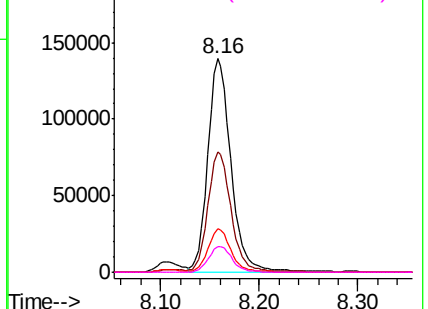
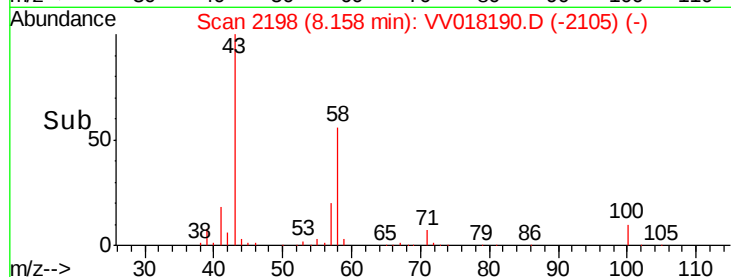
#48
2-Hexanone
Concen: 107.873 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 43 Resp: 225900
Ion Ratio Lower Upper
43 100
58 56.4 44.8 67.2
57 19.6 15.8 23.6
100 12.6 10.2 15.4

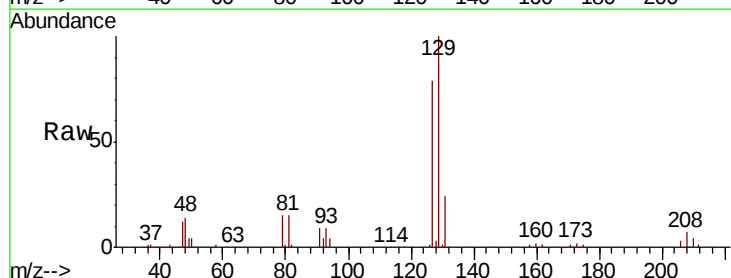


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

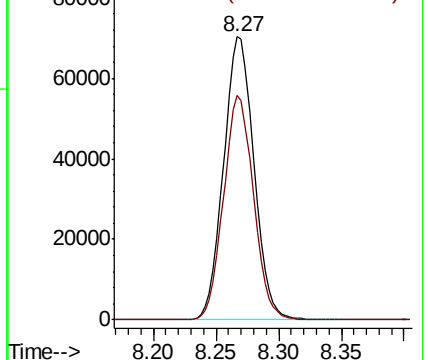
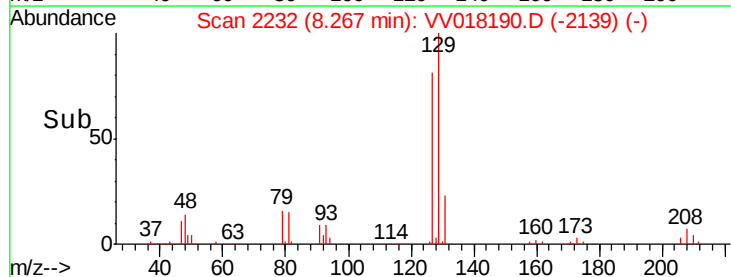


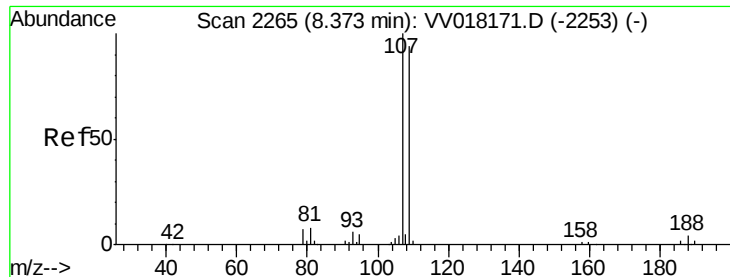
#49
Dibromochloromethane
Concen: 52.096 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion: 129 Resp: 118672
Ion Ratio Lower Upper
129 100
127 79.4 54.5 101.1



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

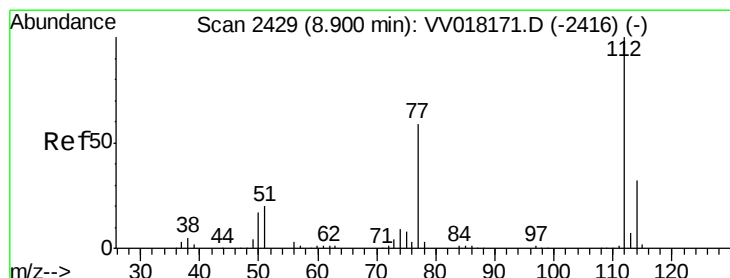
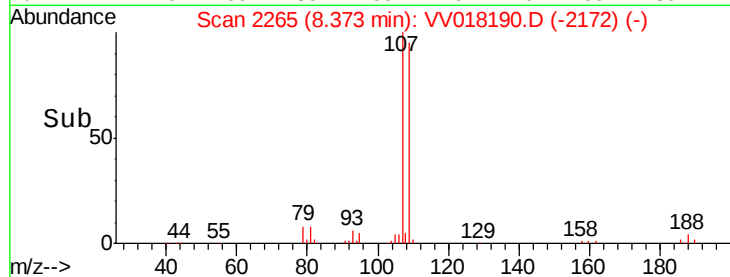
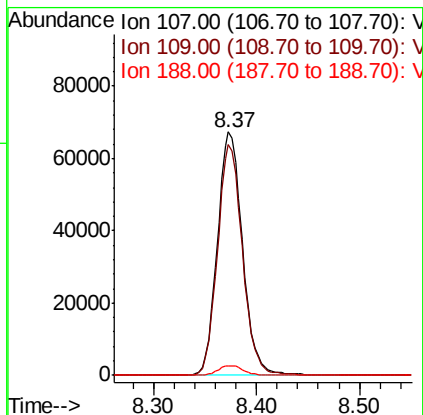
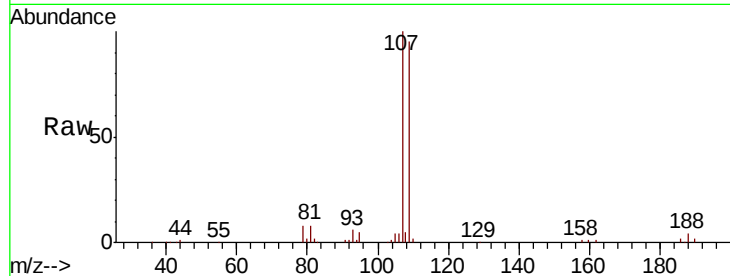




#50
 1,2-Dibromoethane
 Concen: 53.349 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

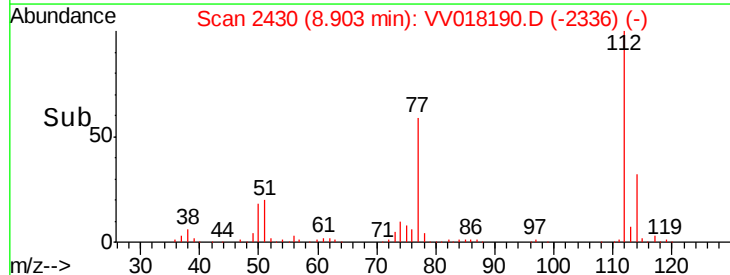
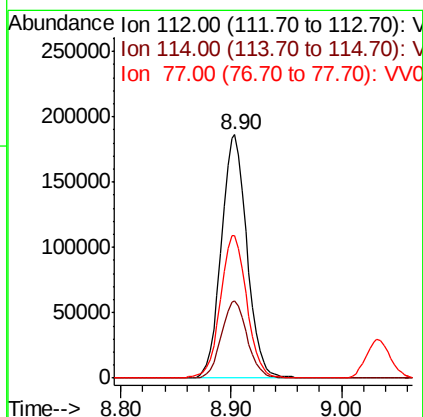
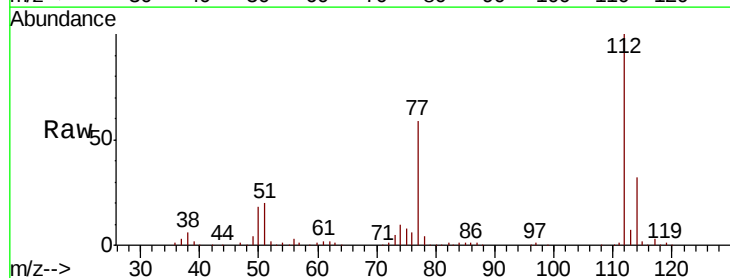
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

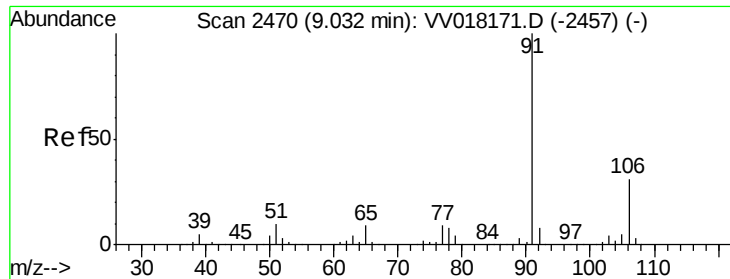
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.1	122.8
188	4.1	3.2	4.8



#51
 Chlorobenzene
 Concen: 52.941 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	58.6	48.0	72.0





#52

Ethylbenzene

Concen: 53.834 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

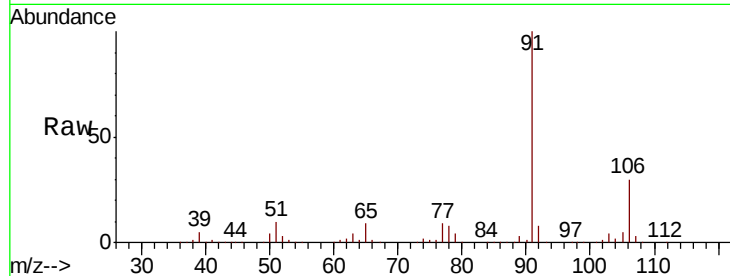
VSTD05097

Tot Ion: 91 Resp: 513926

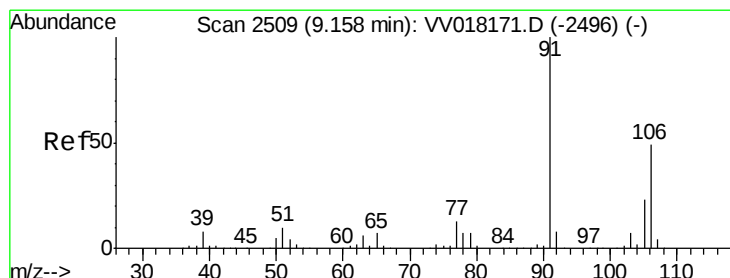
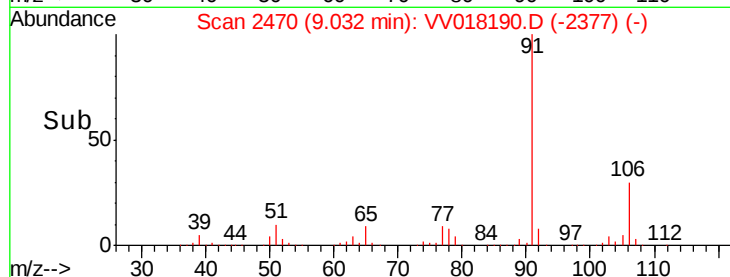
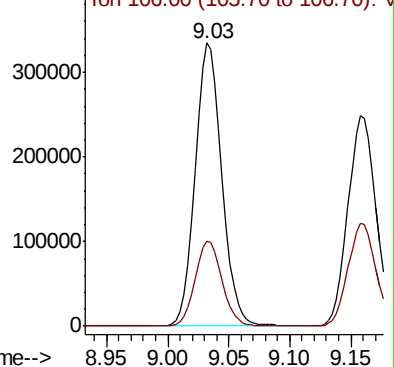
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018190.D (-2377) (-)



#53

m,p-Xylene

Concen: 54.688 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018190.D

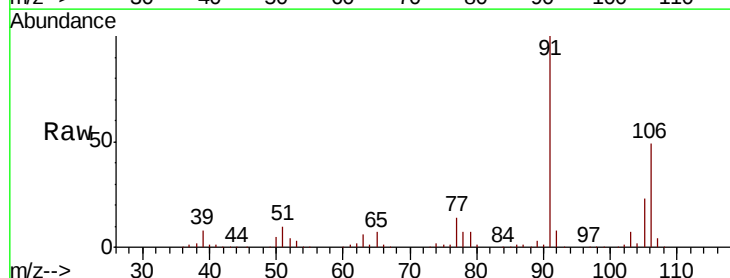
Acq: 10 Sep 2020 19:41

Tgt Ion: 106 Resp: 194865

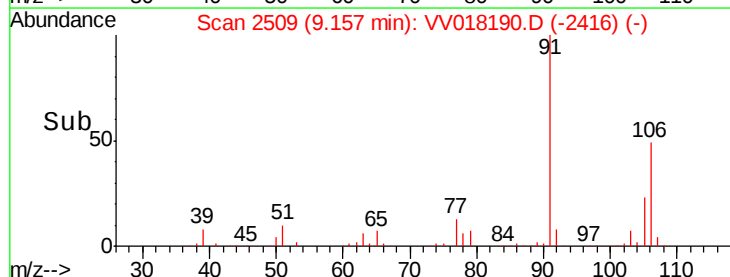
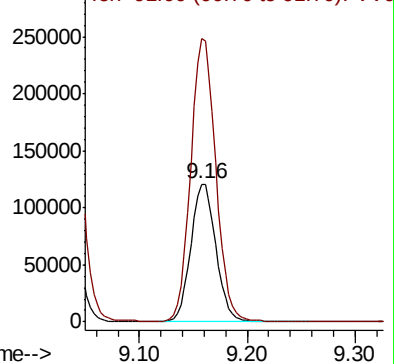
Ion Ratio Lower Upper

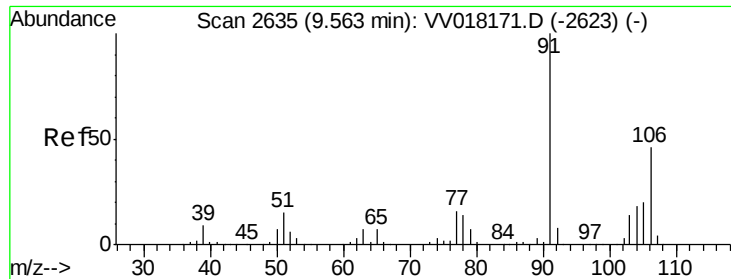
106 100

91 205.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018190.D (-2416) (-)

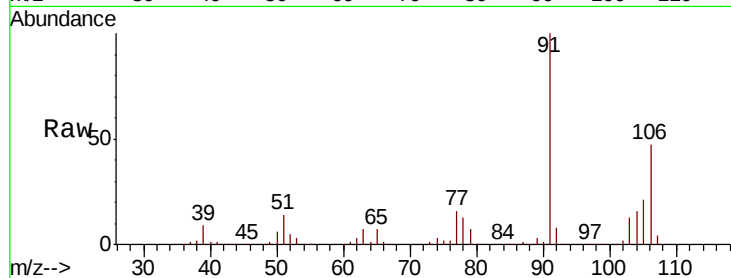




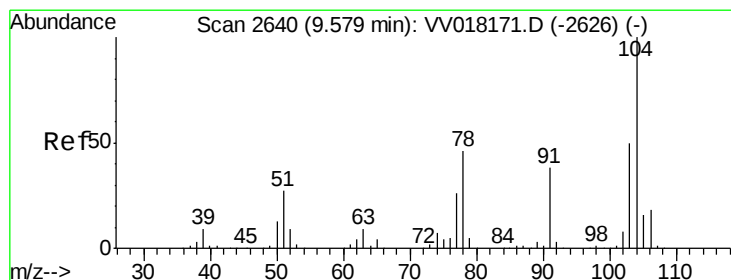
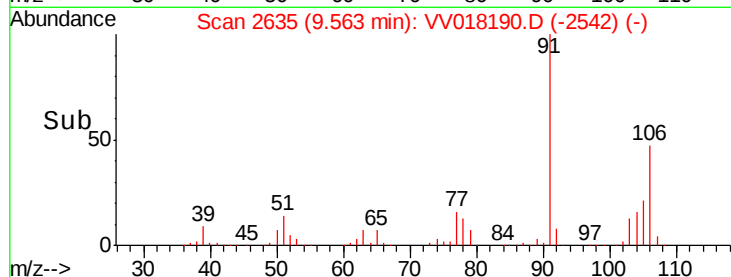
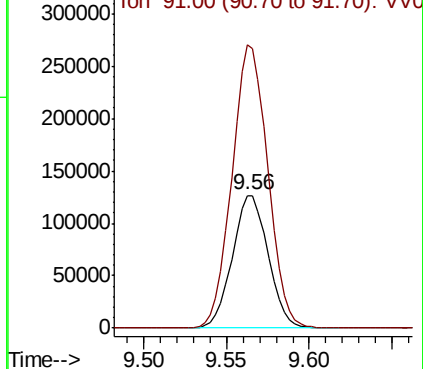
#54
o-xylene
Concen: 55.247 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion:106 Resp: 189653
Ion Ratio Lower Upper
106 100
91 213.3 152.2 282.6

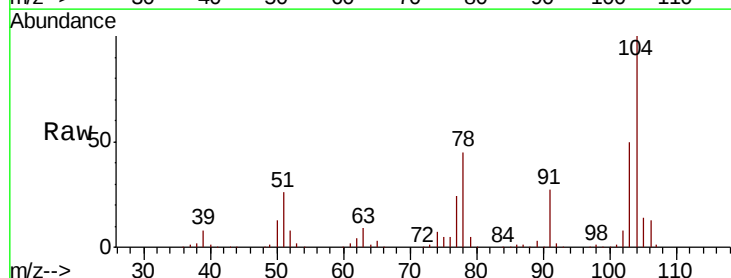


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

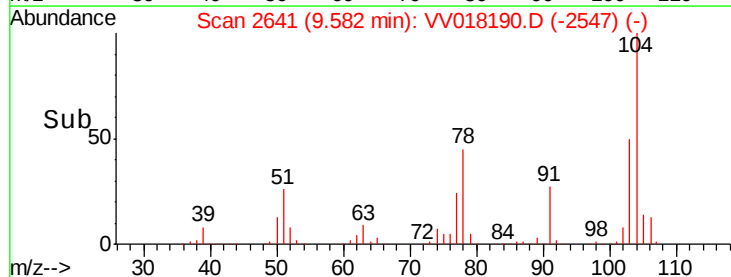
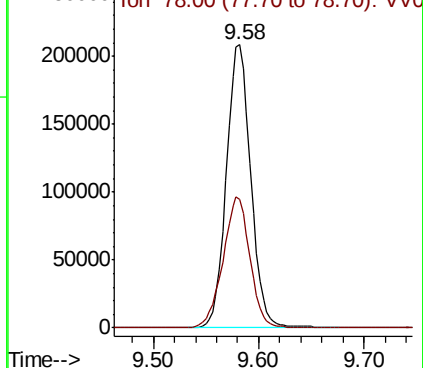


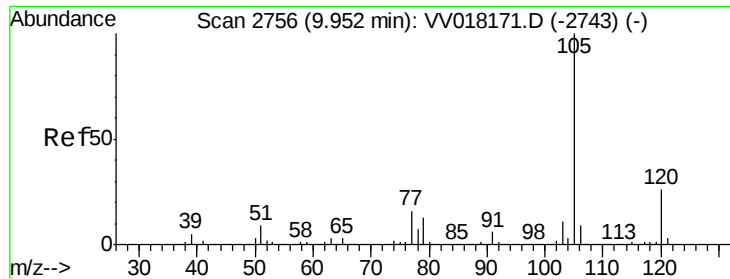
#55
Styrene
Concen: 55.981 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018190.D
Acq: 10 Sep 2020 19:41

Tgt Ion:104 Resp: 334016
Ion Ratio Lower Upper
104 100
78 45.2 31.4 58.2



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





#56

Isopropylbenzene

Concen: 54.738 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

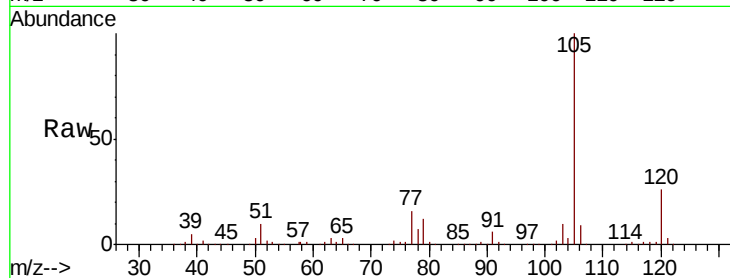
Tot Ion:105 Resp: 506422

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

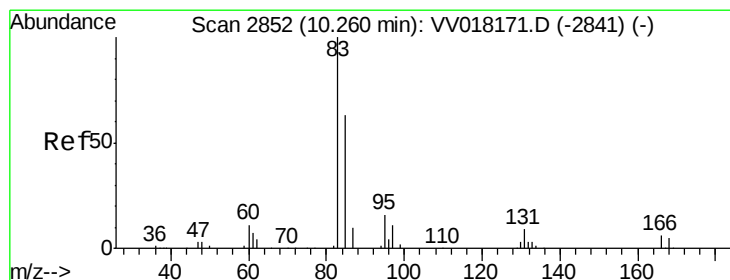
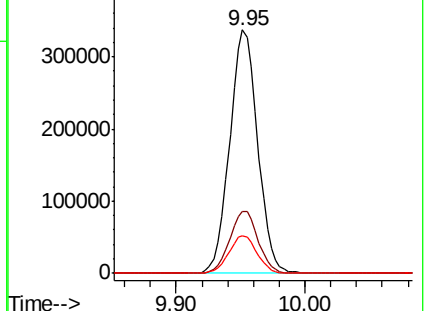
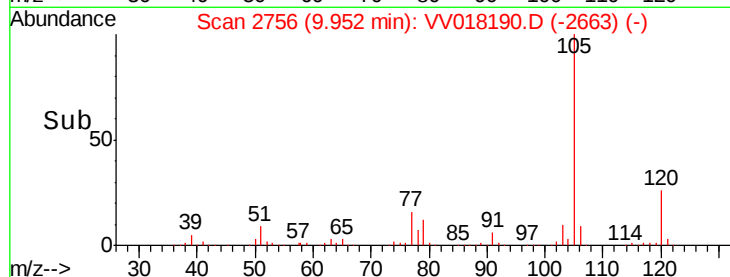
77 15.6 12.5 18.7



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: 54.526 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

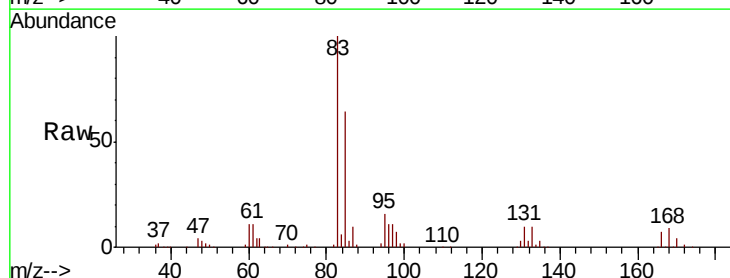
Tgt Ion: 83 Resp: 163685

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

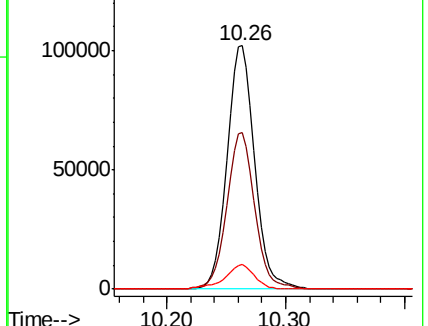
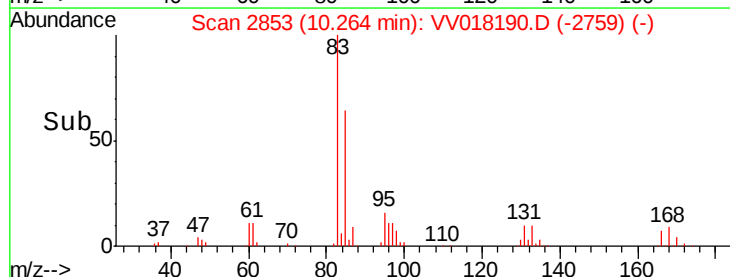
131 10.0 8.0 12.0

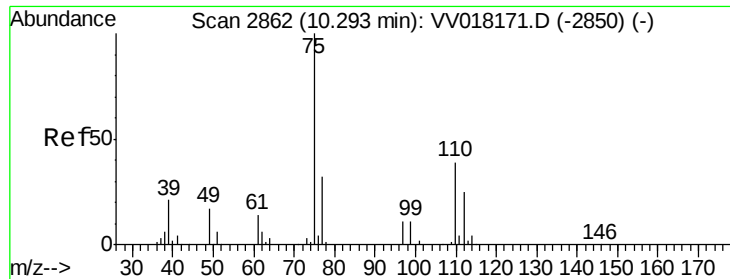


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.504 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

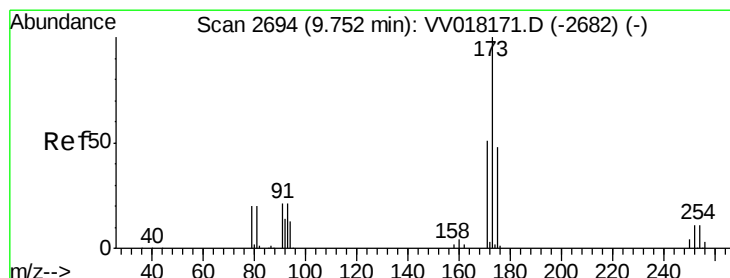
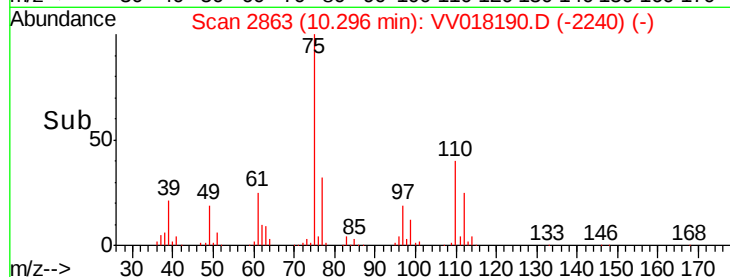
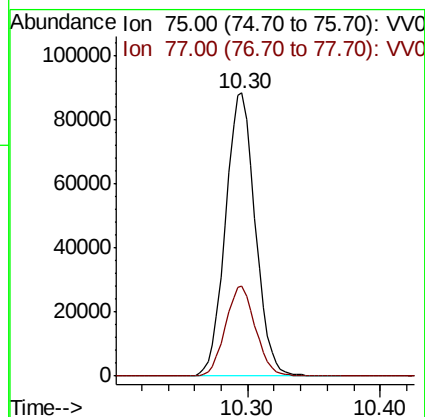
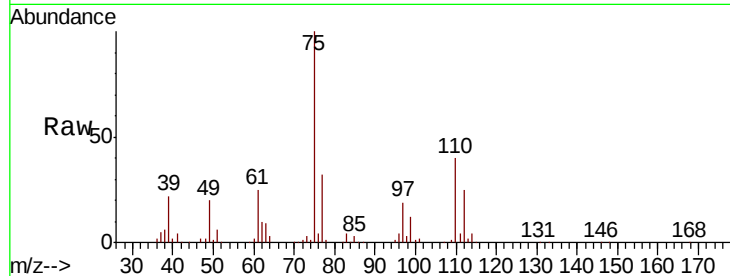
VSTD05097

Tot Ion: 75 Resp: 137787

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



#61

Bromoform

Concen: 50.409 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

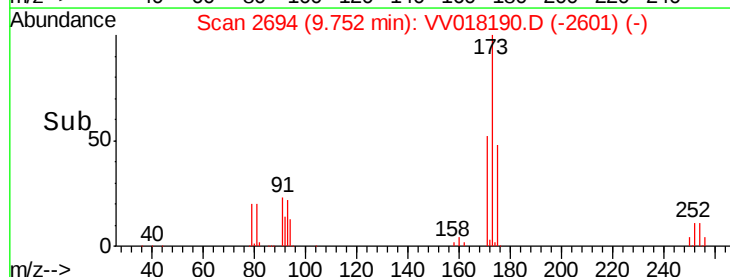
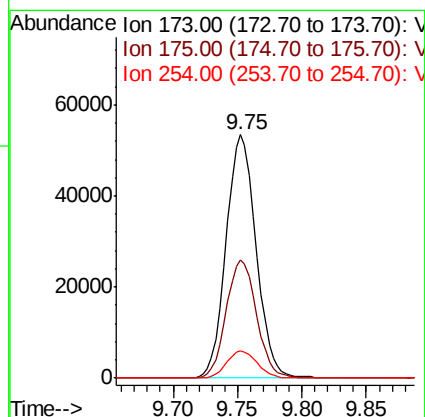
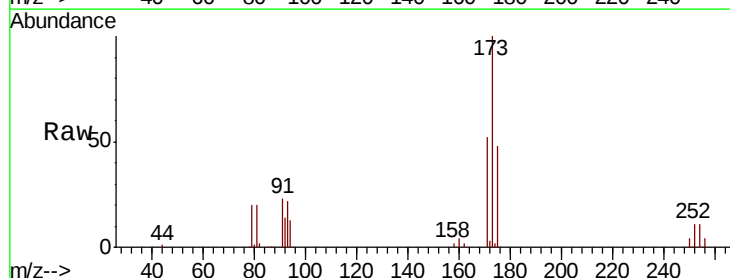
Tgt Ion: 173 Resp: 86138

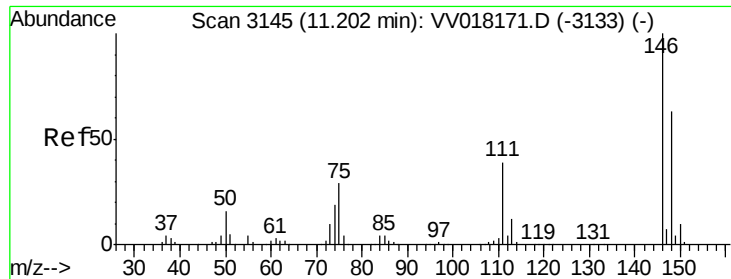
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 11.2 9.0 13.4

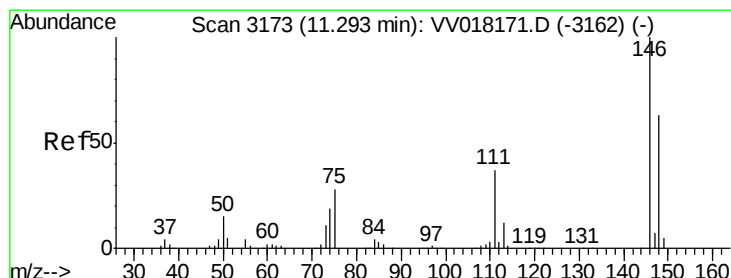
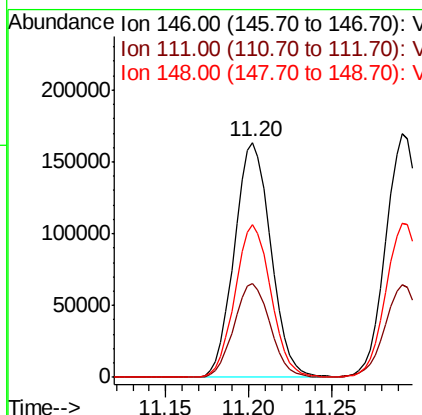
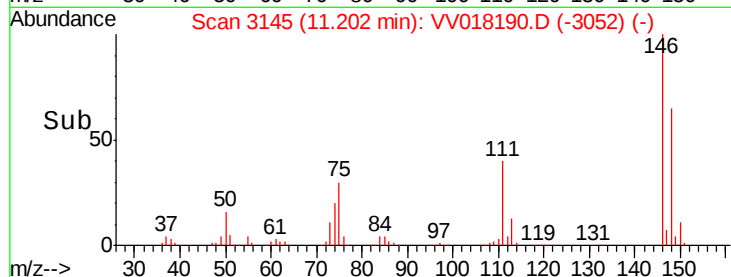
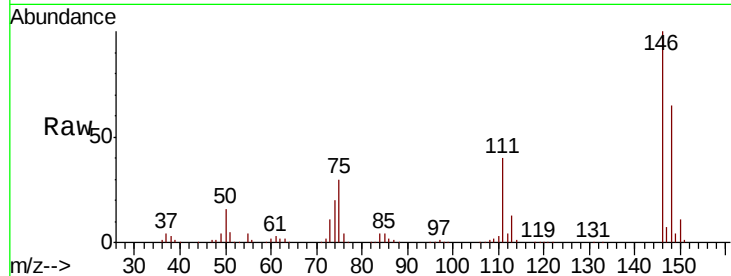




#62
 1,3-Dichlorobenzene
 Concen: 52.953 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

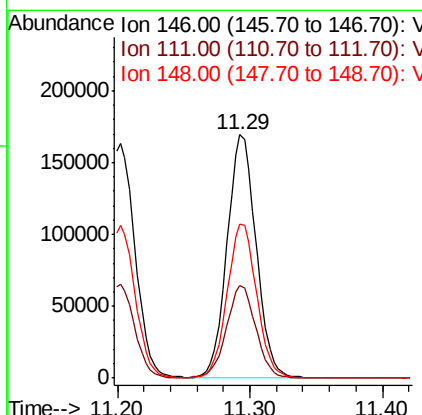
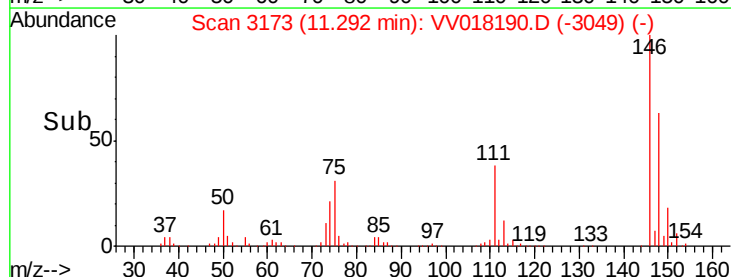
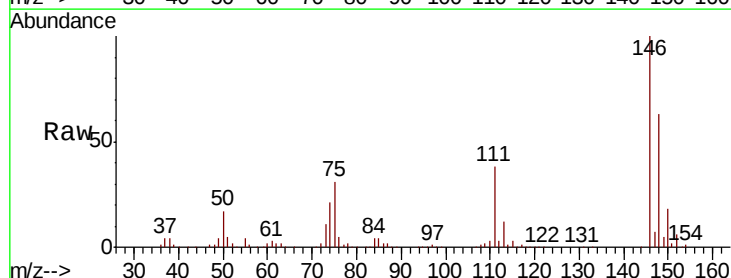
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

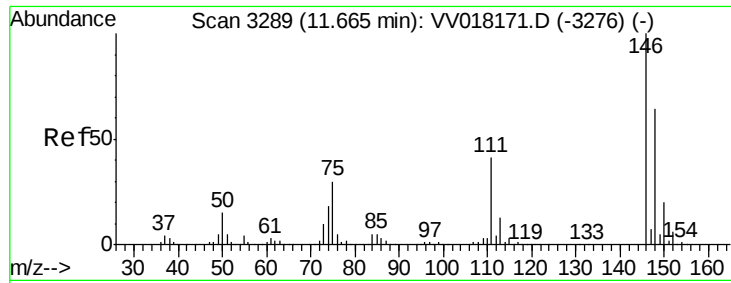
Tot Ion:146 Resp: 250459
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.2
 148 65.0 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 52.949 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion:146 Resp: 257418
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.1 50.3
 148 63.2 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 52.509 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

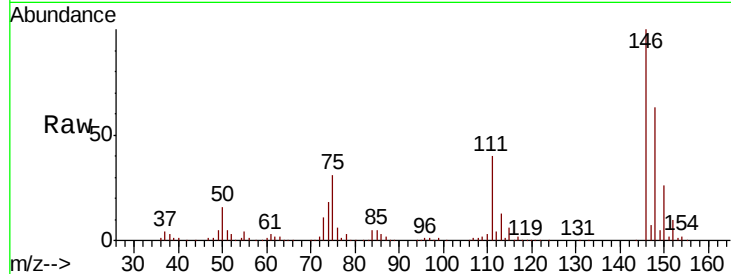
Tot Ion:146 Resp: 251034

Ion Ratio Lower Upper

146 100

111 40.4 32.8 49.2

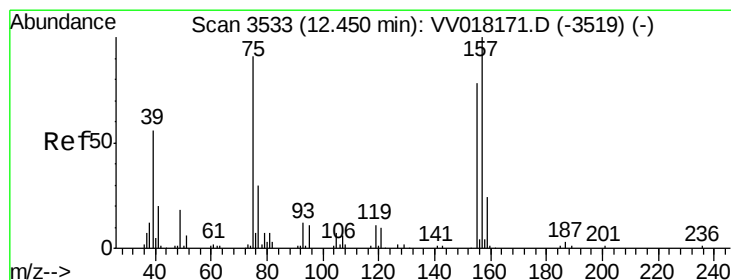
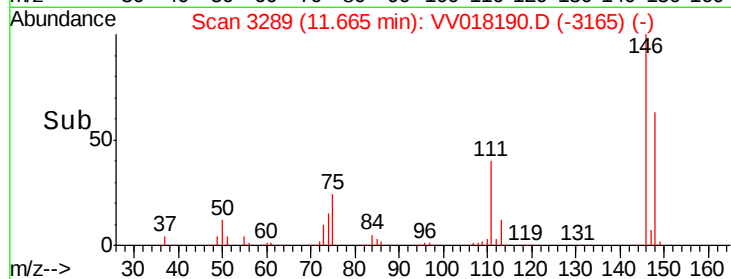
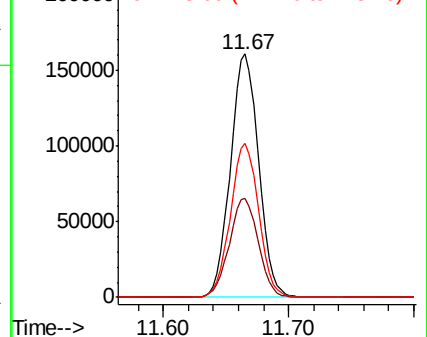
148 63.1 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.567 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

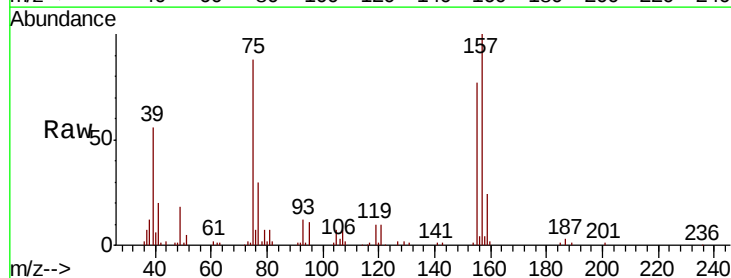
Tgt Ion: 75 Resp: 34789

Ion Ratio Lower Upper

75 100

155 87.5 69.7 104.5

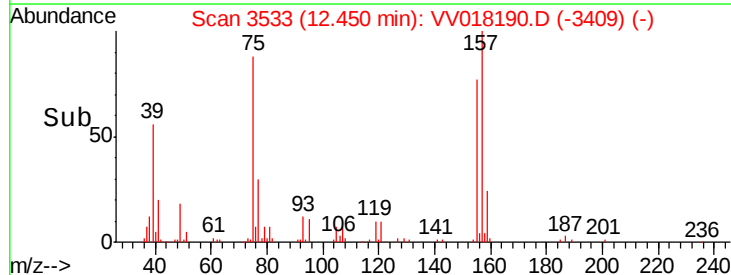
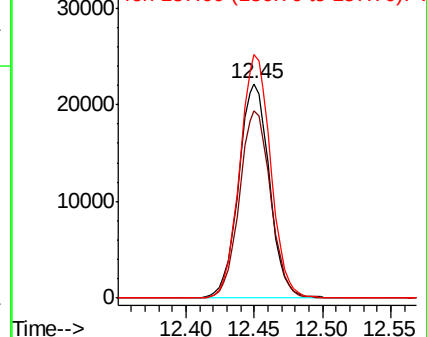
157 113.5 88.2 132.4

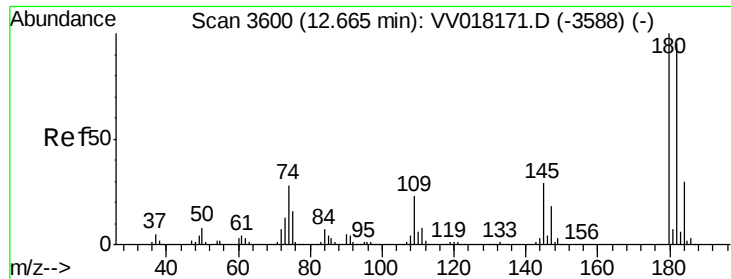


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

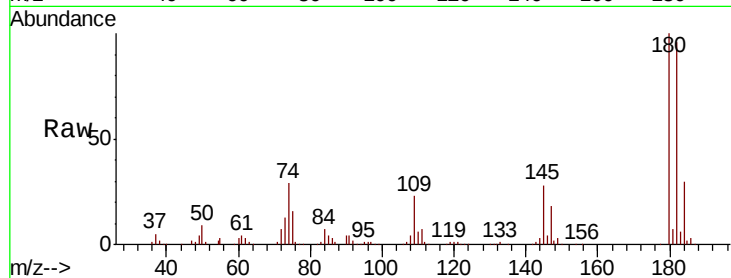




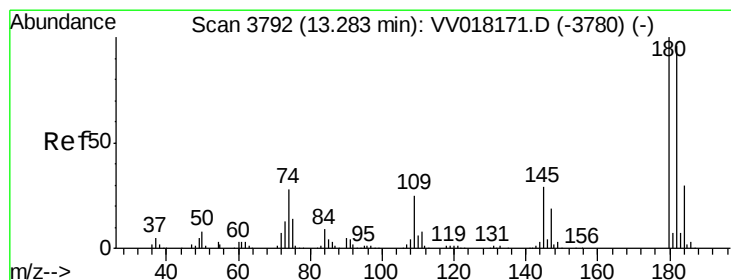
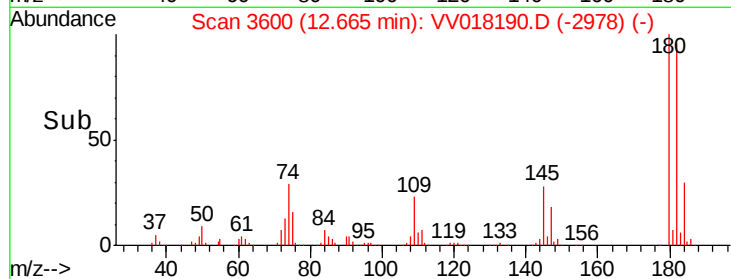
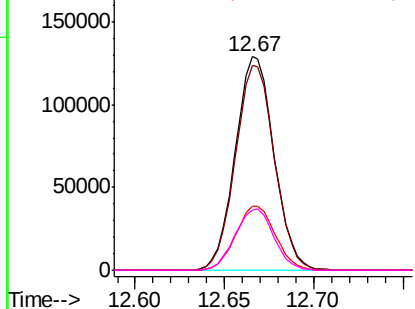
#67
 1,3,5-Trichlorobenzene
 Concen: 52.515 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion:180	Resp:	195818
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.8 115.2
184	30.6	24.6 36.8
145	28.8	22.7 34.1

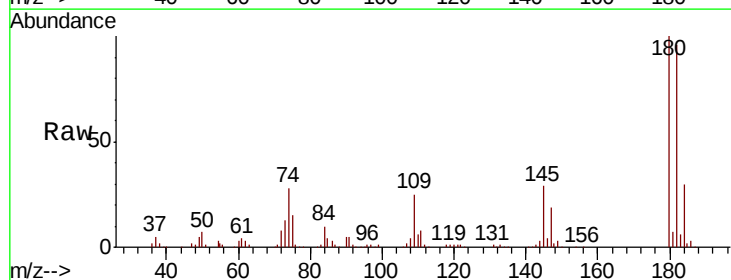


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

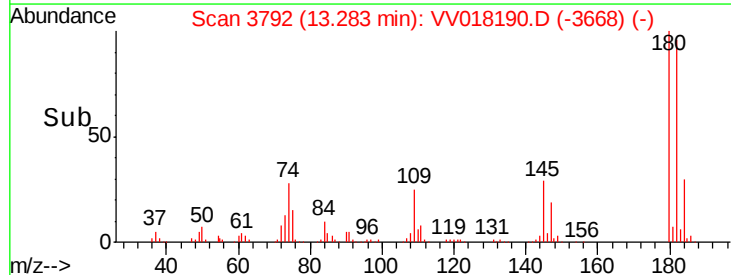
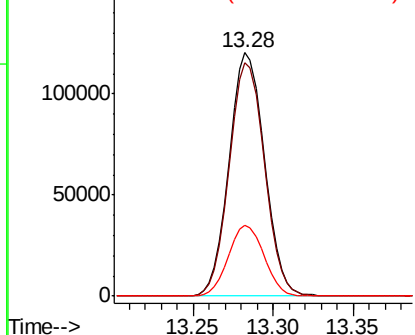


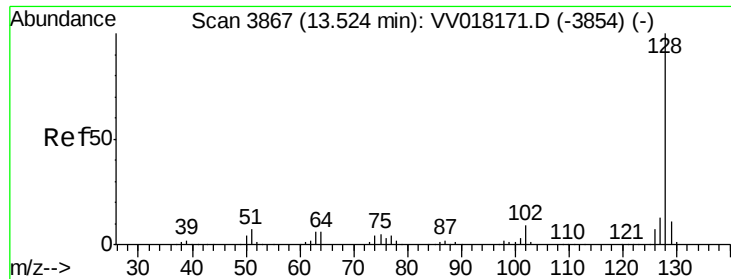
#68
 1,2,4-trichlorobenzene
 Concen: 54.716 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018190.D
 Acq: 10 Sep 2020 19:41

Tgt Ion:180	Resp:	181684
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.4 116.2
145	29.4	23.2 34.8



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: 58.538 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

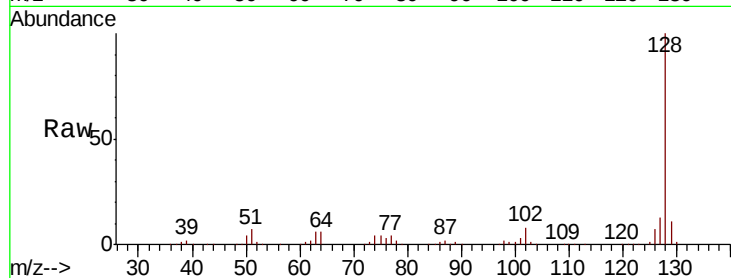
Tot Ion:128 Resp: 491829

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

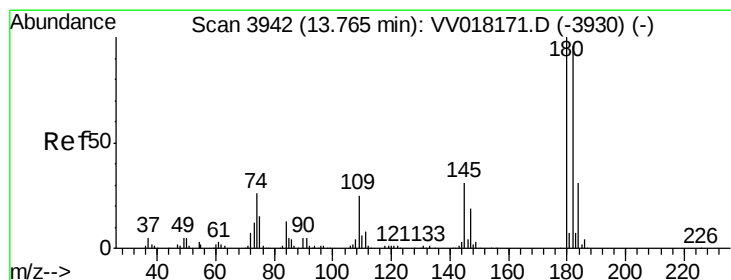
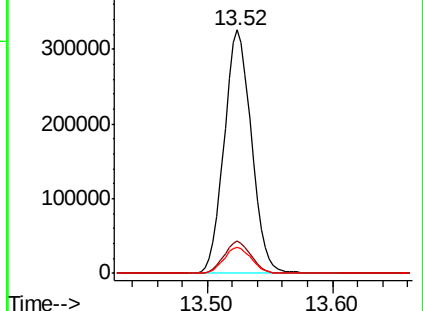
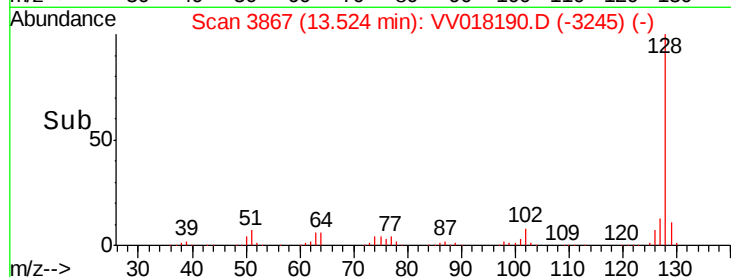
129 10.9 8.6 13.0



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: 56.132 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018190.D

Acq: 10 Sep 2020 19:41

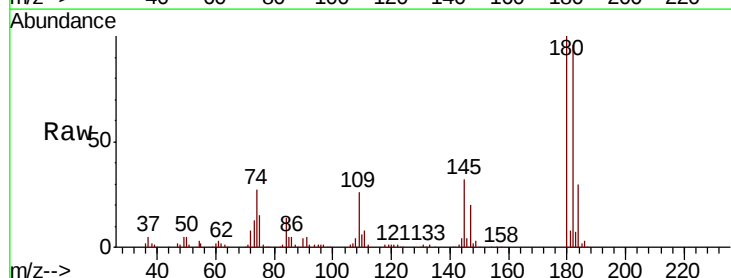
Tgt Ion:180 Resp: 183577

Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 31.4 24.9 37.3



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

