

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017982.D
 Acq On : 13 Aug 2020 20:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Aug 14 04:18:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	253110	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	249164	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134912	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101312	52.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.92%
7) Chloroethane-d5	1.58	69	82541	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.48%
11) 1,1-Dichloroethene-d2	2.12	63	193105	52.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.54%
21) 2-Butanone-d5	3.91	46	130022	102.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.79%
24) Chloroform-d	4.38	84	182774	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
26) 1,2-Dichloroethane-d4	5.06	65	119180	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.40%
32) Benzene-d6	5.08	84	356757	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.90%
36) 1,2-Dichloropropane-d6	6.09	67	114992	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.44%
41) Toluene-d8	7.34	98	330799	53.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.14%
43) trans-1,3-Dichloropropene-	7.64	79	54516	53.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.08%
47) 2-Hexanone-d5	8.11	63	75100	104.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.25%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	148433	50.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	134372	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	95997	49.126	ug/L	100
3) Chloromethane	1.25	50	106242	46.804	ug/L	99
5) Vinyl chloride	1.32	62	113269	50.363	ug/L	97
6) Bromomethane	1.53	94	52749	39.243	ug/L	100
8) Chloroethane	1.60	64	73411	51.141	ug/L	99
9) Trichlorofluoromethane	1.76	101	157549	49.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89851	50.089	ug/L	99
12) 1,1-Dichloroethene	2.13	96	88315	52.016	ug/L	99
13) Acetone	2.19	43	97503	74.632	ug/L	98
14) Carbon disulfide	2.31	76	245113	52.453	ug/L	100
15) Methyl Acetate	2.45	43	110931	52.615	ug/L	98
16) Methylene chloride	2.52	84	102545	47.408	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	90589	51.905	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	303883	52.648	ug/L	100
19) 1,1-Dichloroethane	3.21	63	184948	52.702	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	102312	53.345	ug/L	97
22) 2-Butanone	3.99	43	147238	100.461	ug/L	99

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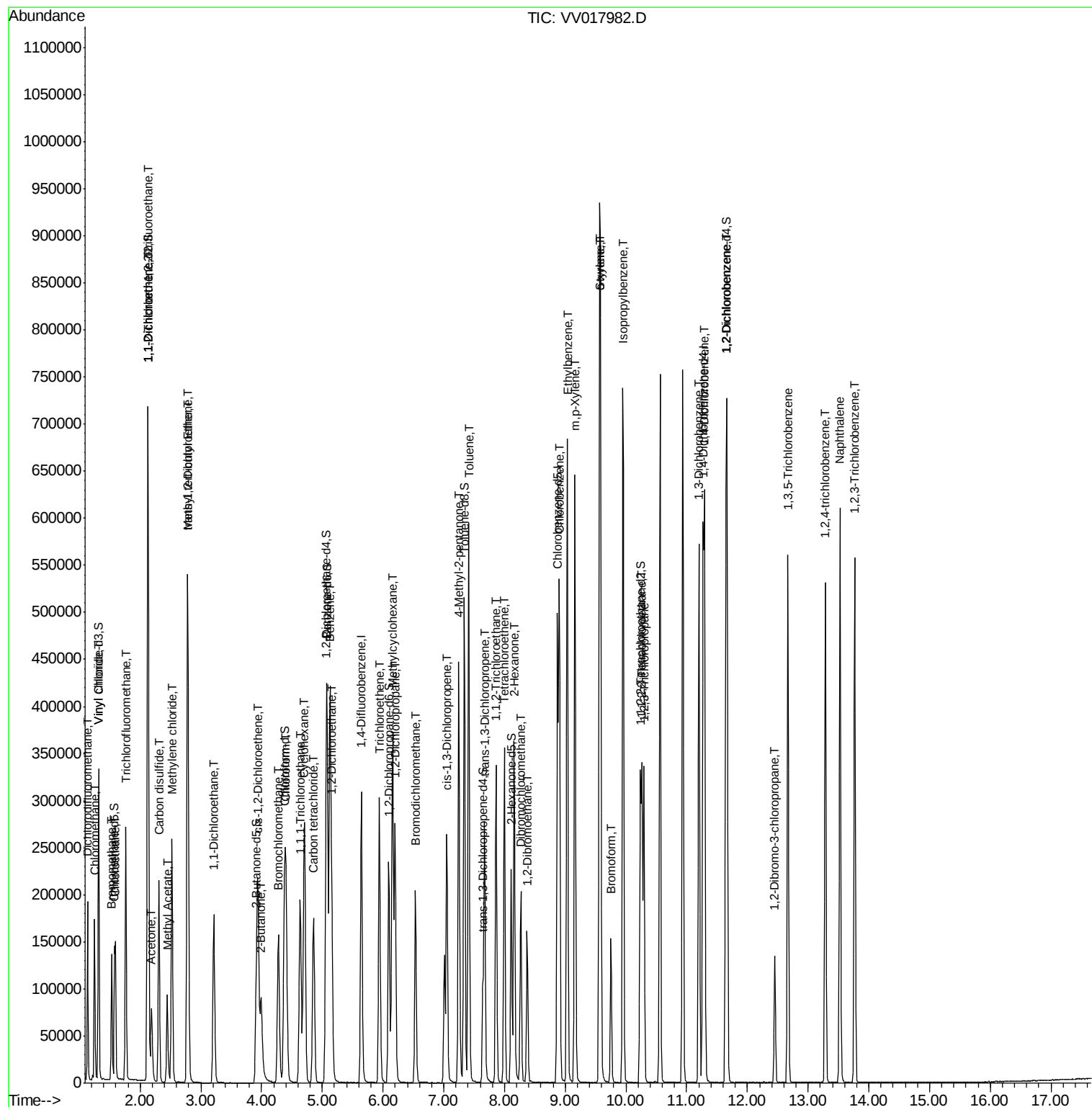
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53112	53.010	ug/L	97
25) Chloroform	4.40	83	185102	51.713	ug/L	100
27) 1,2-Dichloroethane	5.16	62	150533	52.836	ug/L	99
29) Cyclohexane	4.70	56	152435	50.690	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	157711	51.652	ug/L	99
31) Carbon tetrachloride	4.86	117	131264	51.641	ug/L	99
33) Benzene	5.13	78	397977	51.627	ug/L	100
34) Trichloroethene	5.94	95	104143	51.110	ug/L	98
35) Methylcyclohexane	6.16	83	152923	50.471	ug/L	100
37) 1,2-Dichloropropane	6.20	63	106717	50.763	ug/L	99
38) Bromodichloromethane	6.53	83	134591	51.543	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	153894	51.638	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	292413	106.402	ug/L	100
42) Toluene	7.41	91	425719	52.924	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	153753	54.375	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	101005	51.881	ug/L	99
46) Tetrachloroethene	8.00	164	78603	52.599	ug/L	97
48) 2-Hexanone	8.16	43	226124	102.036	ug/L	99
49) Dibromochloromethane	8.27	129	102380	53.876	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105246	52.250	ug/L	97
51) Chlorobenzene	8.90	112	270693	52.324	ug/L	99
52) Ethylbenzene	9.04	91	465902	53.120	ug/L	100
53) m,p-Xylene	9.16	106	173116	53.665	ug/L	100
54) o-xylene	9.57	106	168976	53.006	ug/L	97
55) Styrene	9.58	104	302776	55.461	ug/L	99
56) Isopropylbenzene	9.96	105	453664	53.944	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	157526	51.960	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	133856	51.556	ug/L	100
61) Bromoform	9.75	173	66851	52.369	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	221091	51.535	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	225259	51.112	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	223630	50.644	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33093	50.865	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	170293	52.253	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	157847	55.090	ug/L	99
69) Naphthalene	13.52	128	451952	57.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166566	57.164	ug/L	99

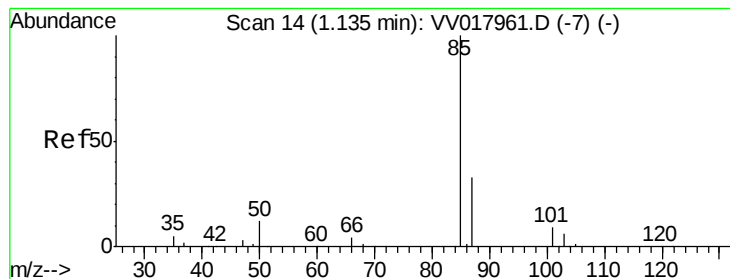
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.126 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

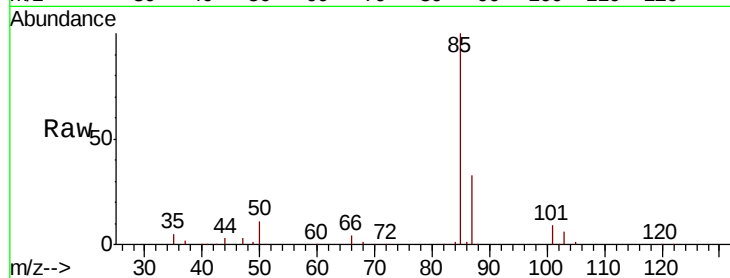
VSTD05068

Tot Ion: 85 Resp: 95997

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017961.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017961.D (-7) (-)

1.14

120000

100000

80000

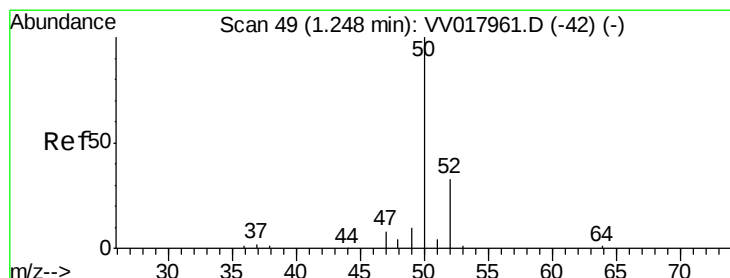
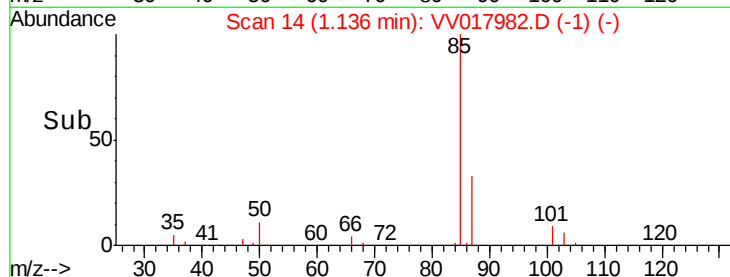
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 46.804 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017982.D

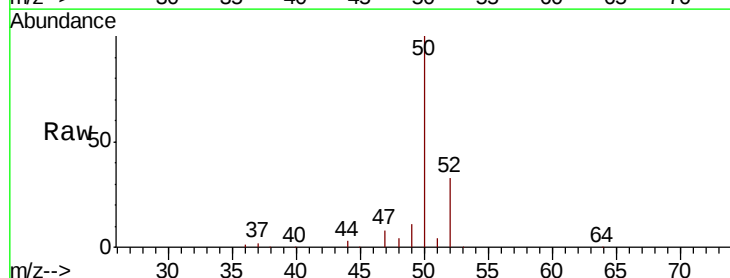
Acq: 13 Aug 2020 20:12

Tgt Ion: 50 Resp: 106242

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017961.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017961.D (-42) (-)

1.25

120000

100000

80000

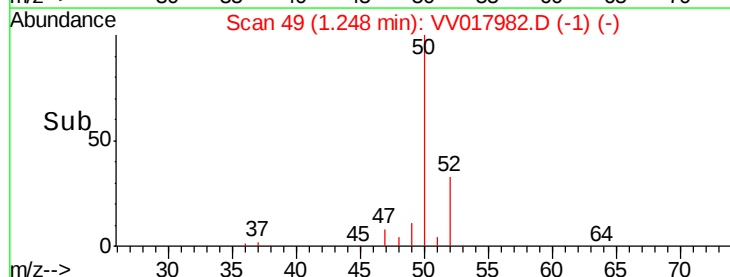
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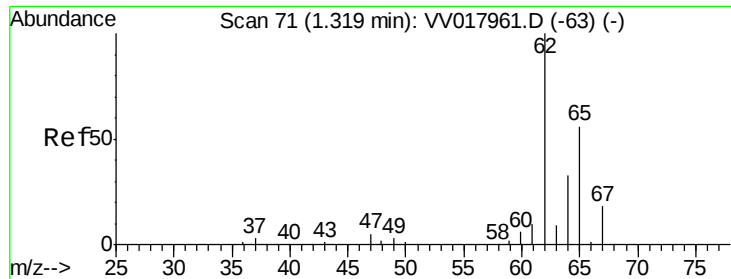
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 50.363 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

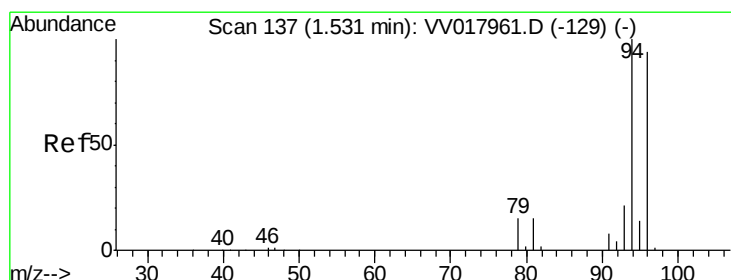
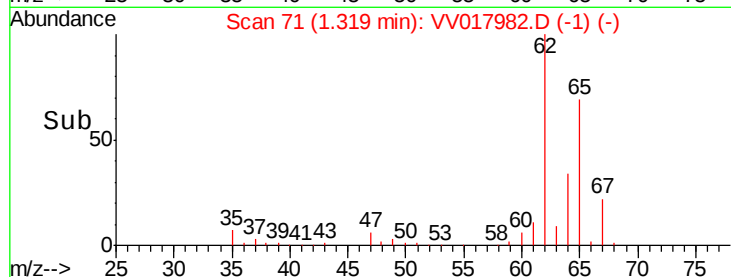
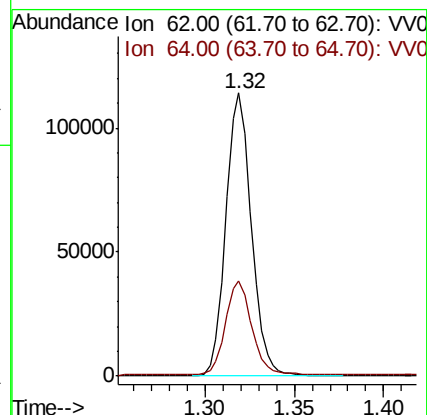
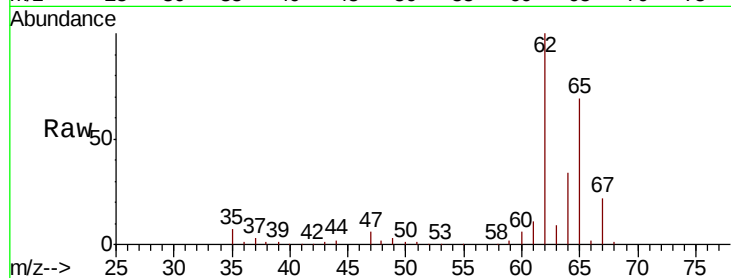
VSTD05068

Tot Ion: 62 Resp: 113269

Ion Ratio Lower Upper

62 100

64 33.6 22.4 41.6



#6

Bromomethane

Concen: 39.243 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017982.D

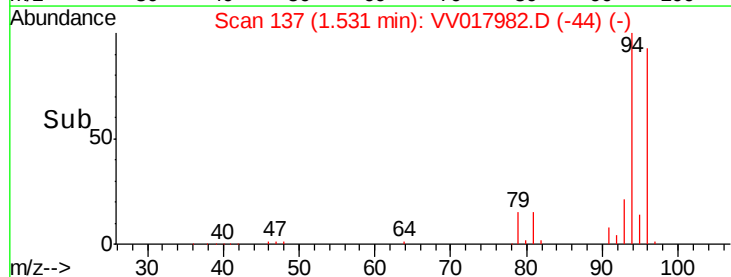
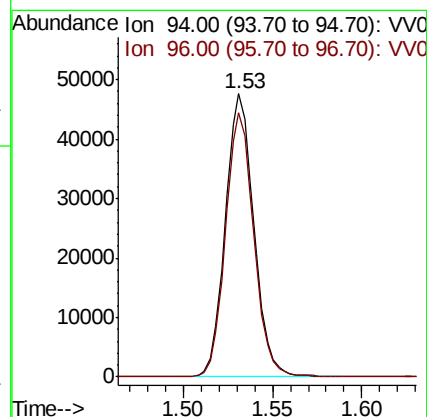
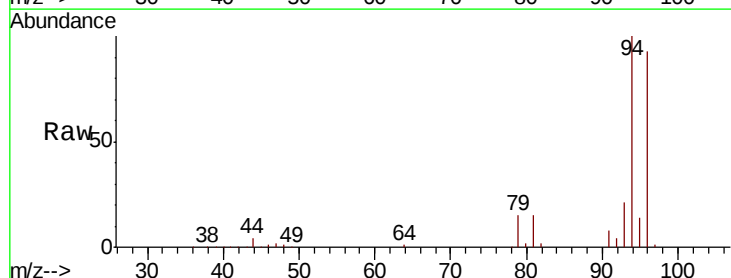
Acq: 13 Aug 2020 20:12

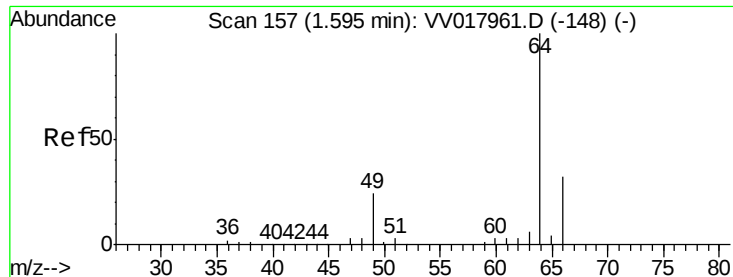
Tgt Ion: 94 Resp: 52749

Ion Ratio Lower Upper

94 100

96 93.3 65.5 121.7

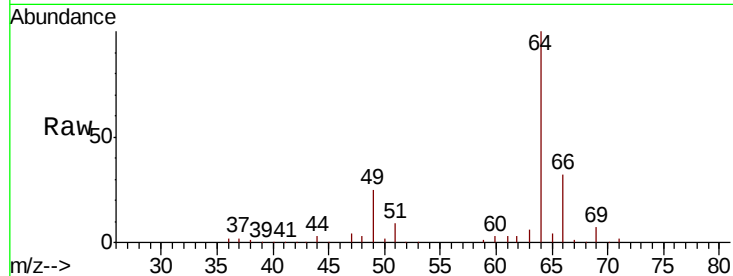




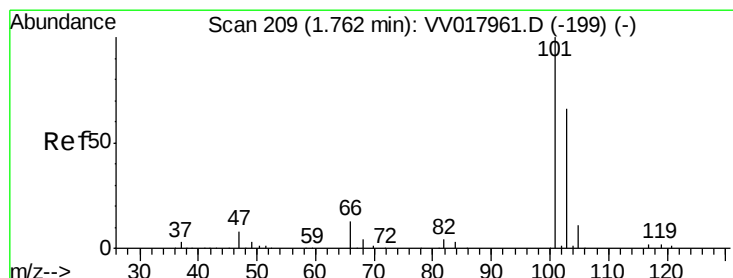
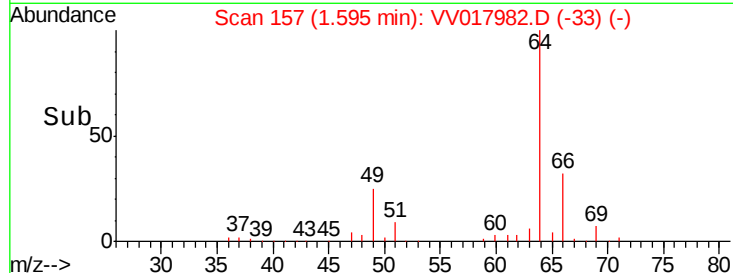
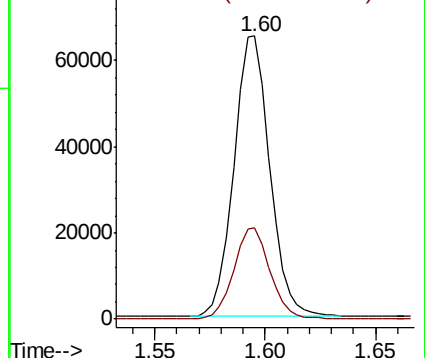
#8
Chloroethane
Concen: 51.141 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 64 Resp: 73411
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.3

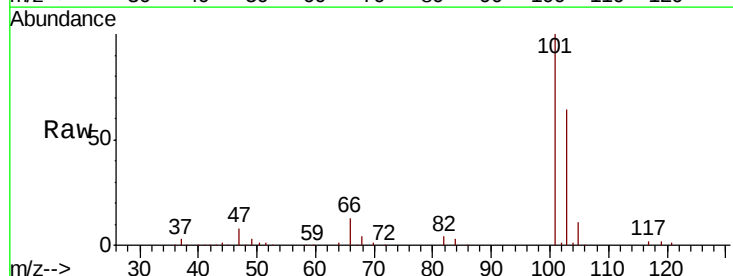


Abundance Ion 64.00 (63.70 to 64.70): VV017961.D (-148) (-)
Ion 66.00 (65.70 to 66.70): VV017961.D (-148) (-)

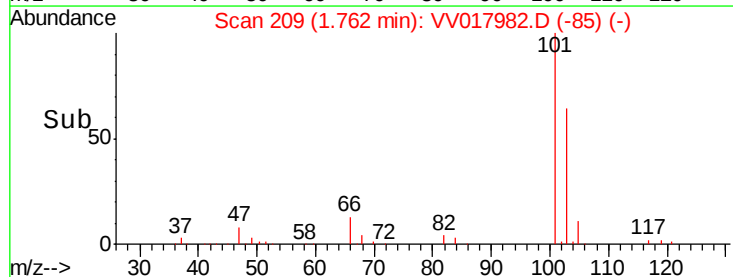
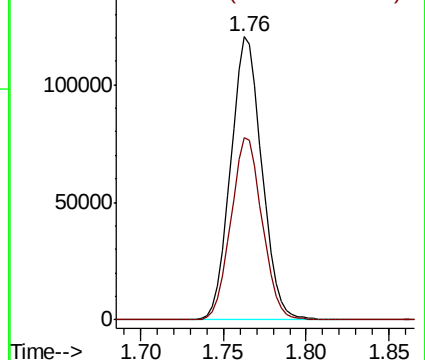


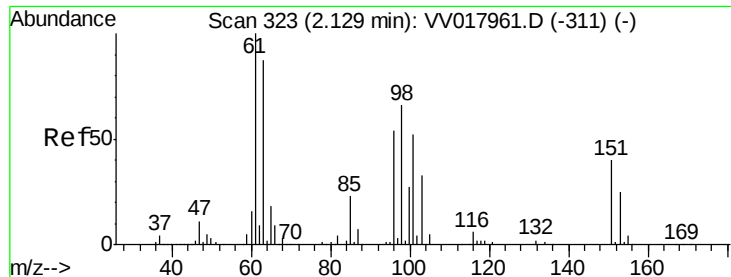
#9
Trichlorofluoromethane
Concen: 49.040 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Tgt Ion: 101 Resp: 157549
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017961.D (-199) (-)
Ion 103.00 (102.70 to 103.70): VV017961.D (-199) (-)





#10

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

Concen: 50.089 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

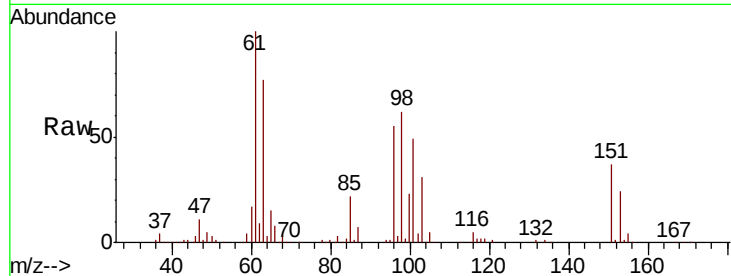
Tot Ion:101 Resp: 89851

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

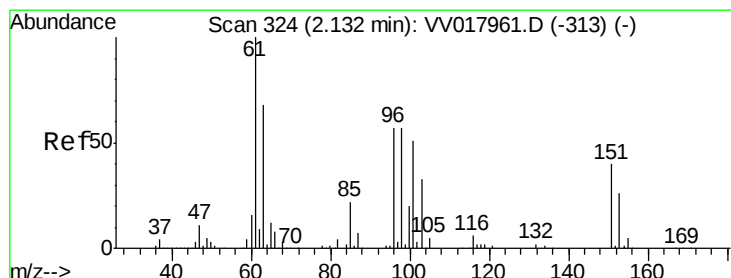
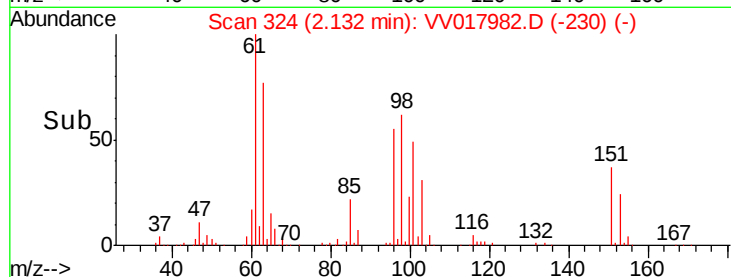
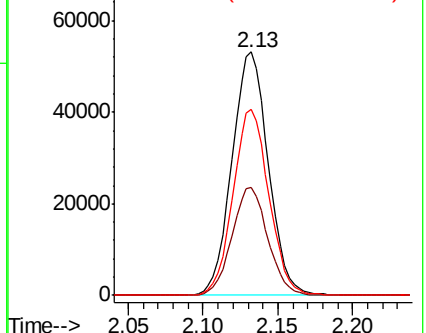
151 75.3 59.1 88.7



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: 52.016 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

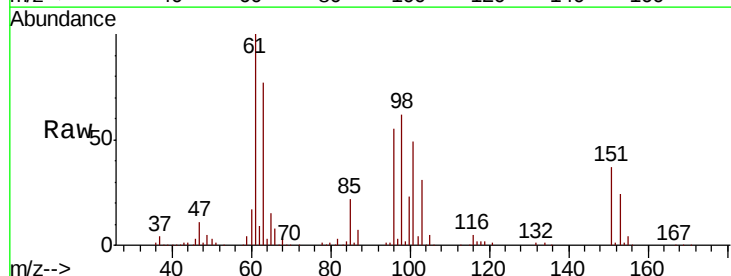
Tgt Ion: 96 Resp: 88315

Ion Ratio Lower Upper

96 100

61 180.6 127.1 236.0

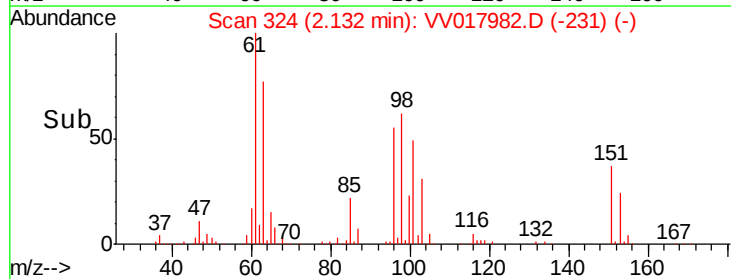
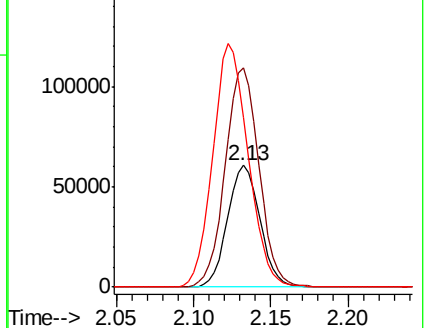
63 139.0 95.2 176.8

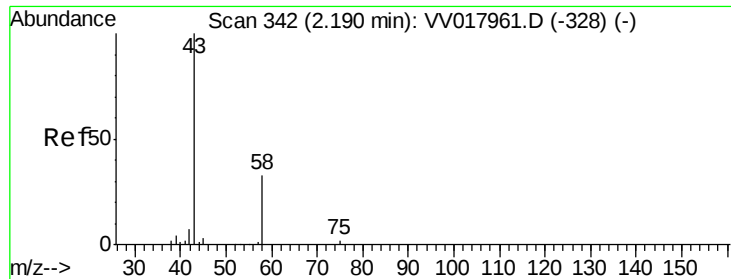


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 74.632 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

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MSVOA_V

ClientSampled :

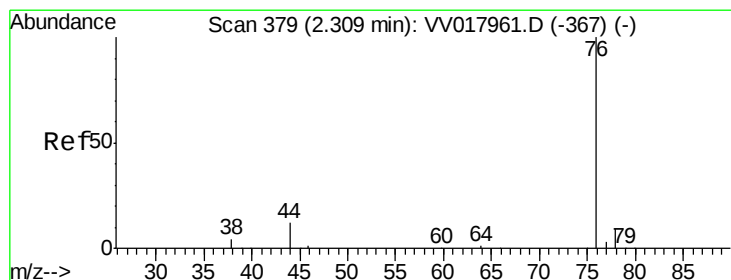
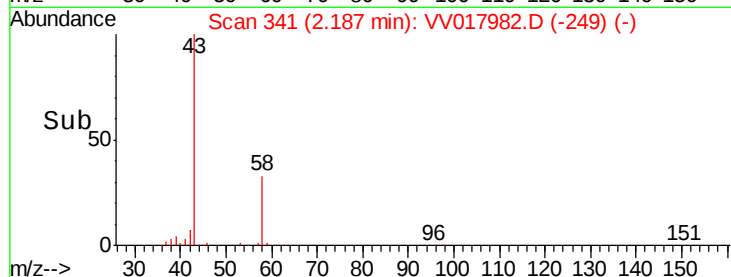
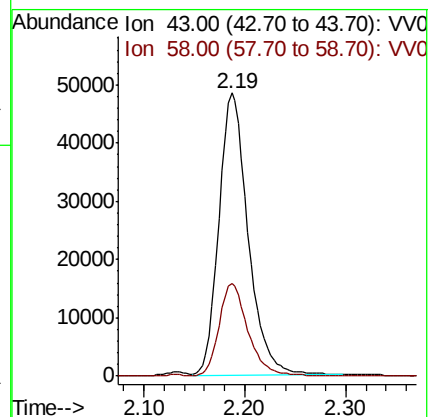
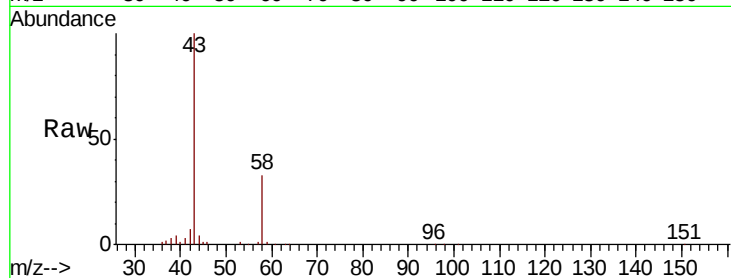
VSTD05068

Tot Ion: 43 Resp: 97503

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



#14

Carbon disulfide

Concen: 52.453 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017982.D

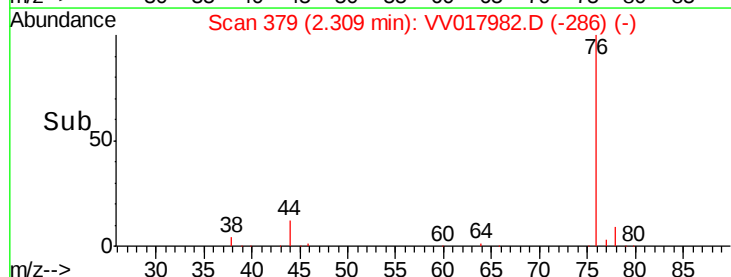
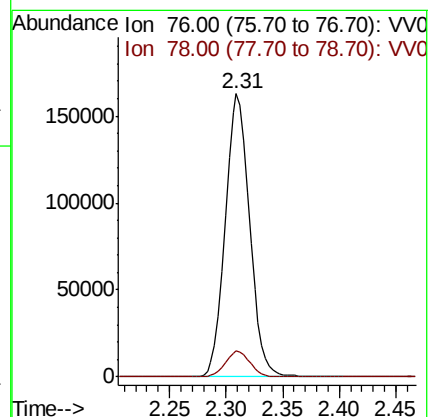
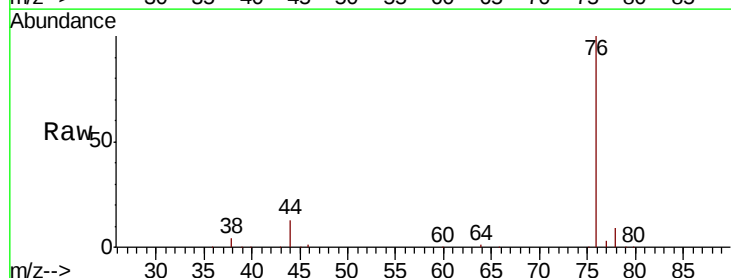
Acq: 13 Aug 2020 20:12

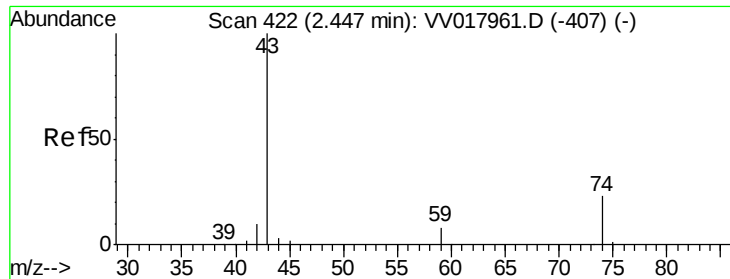
Tgt Ion: 76 Resp: 245113

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methvl Acetate

Concen: 52.615 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

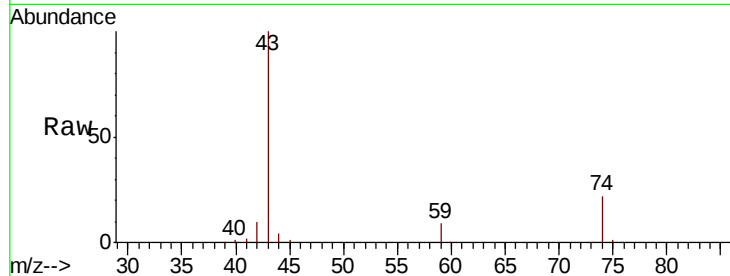
VSTD05068

Tot Ion: 43 Resp: 110931

Ion Ratio Lower Upper

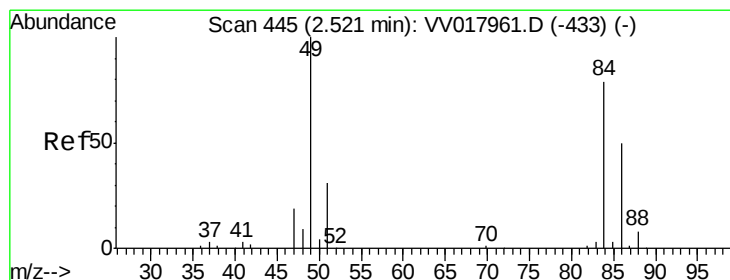
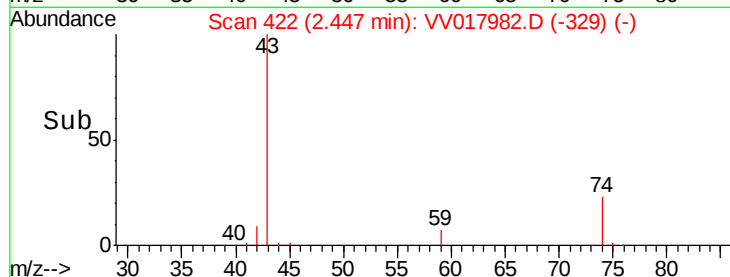
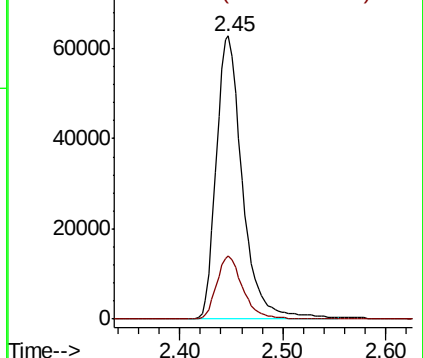
43 100

74 22.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.408 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

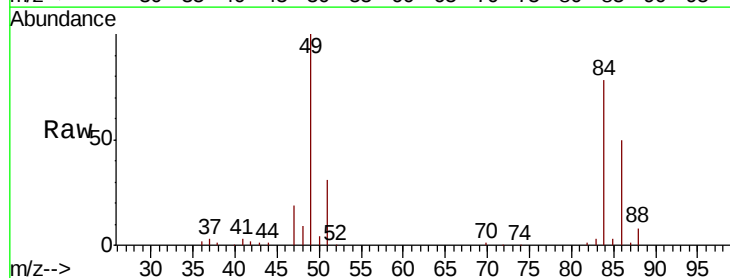
Tgt Ion: 84 Resp: 102545

Ion Ratio Lower Upper

84 100

86 64.7 46.3 85.9

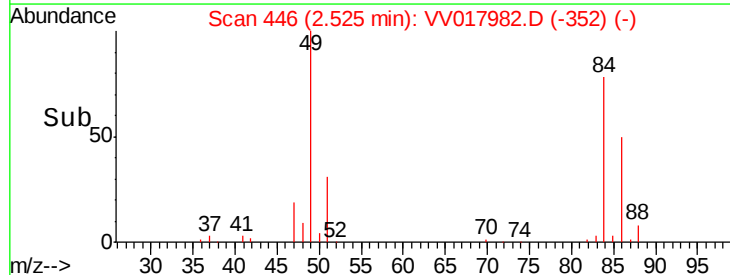
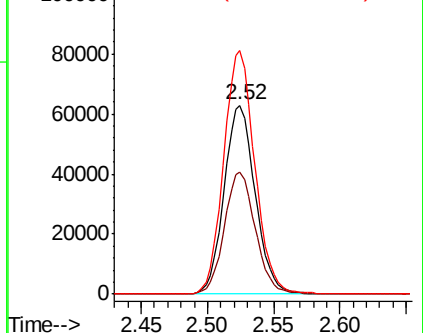
49 129.0 89.7 166.5

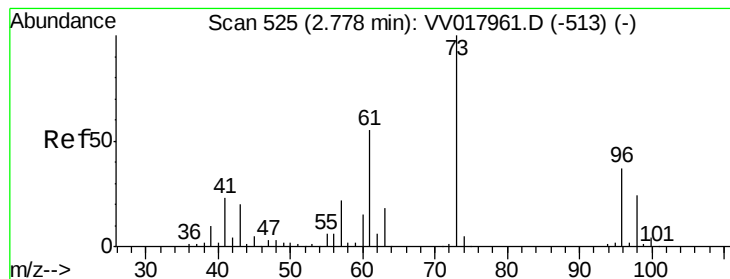


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 51.905 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

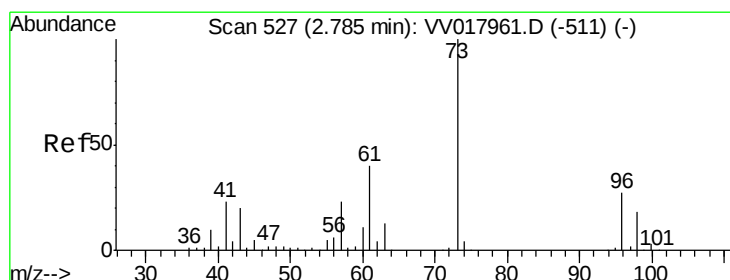
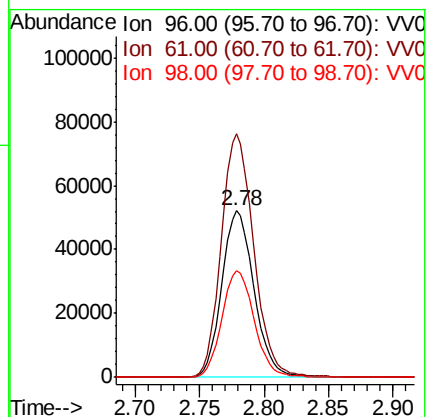
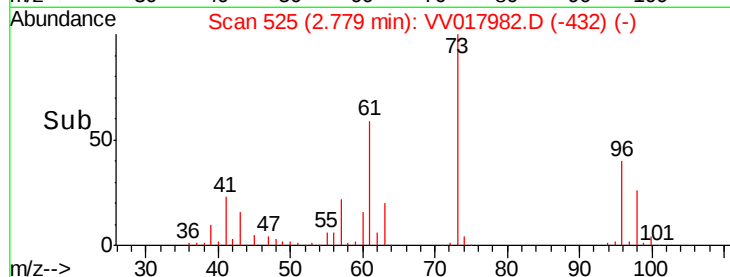
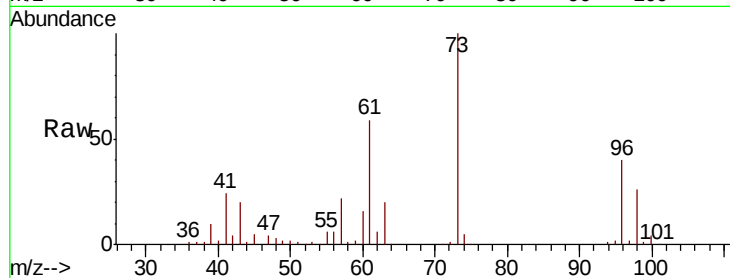
Tot Ion: 96 Resp: 90589

Ion Ratio Lower Upper

96 100

61 146.3 102.4 190.2

98 64.3 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 52.648 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

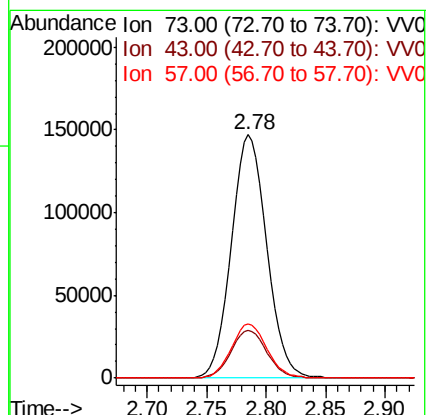
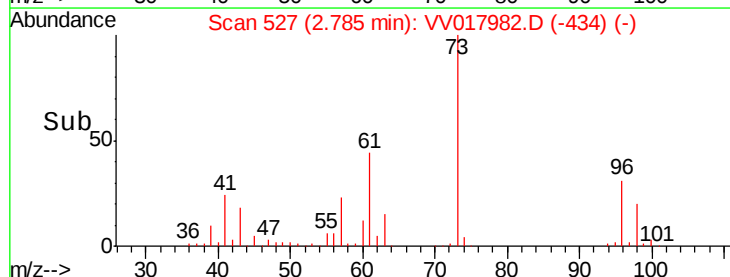
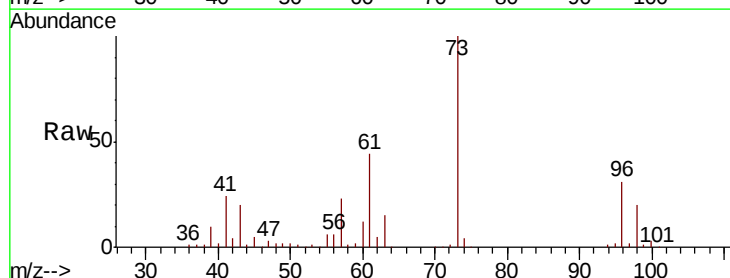
Tgt Ion: 73 Resp: 303883

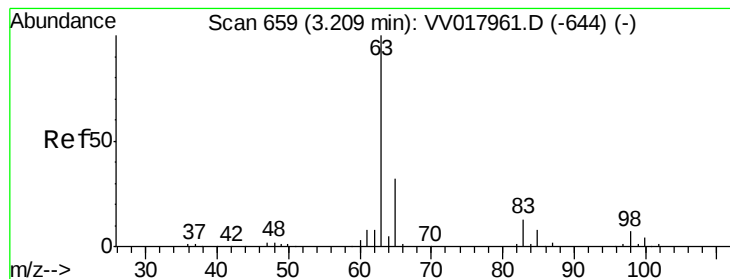
Ion Ratio Lower Upper

73 100

43 19.6 15.9 23.9

57 22.5 18.1 27.1





#19

1,1-Dichloroethane

Concen: 52.702 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

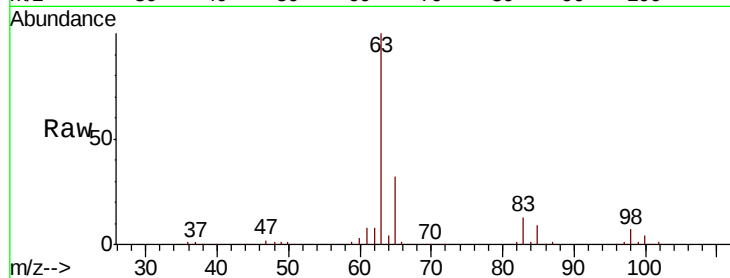
Tot Ion: 63 Resp: 184948

Ion Ratio Lower Upper

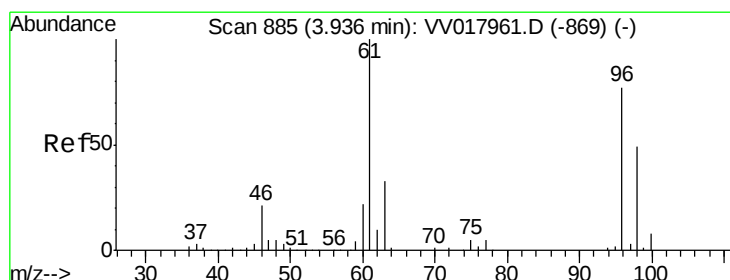
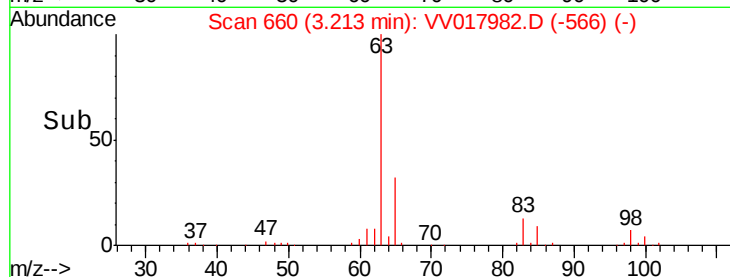
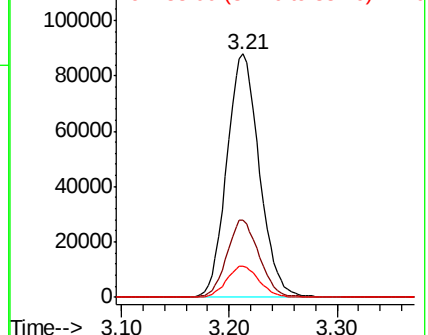
63 100

65 31.7 22.5 41.7

83 12.8 9.2 17.2



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: 53.345 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

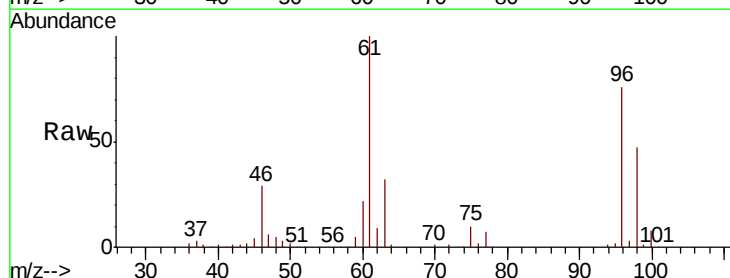
Tgt Ion: 96 Resp: 102312

Ion Ratio Lower Upper

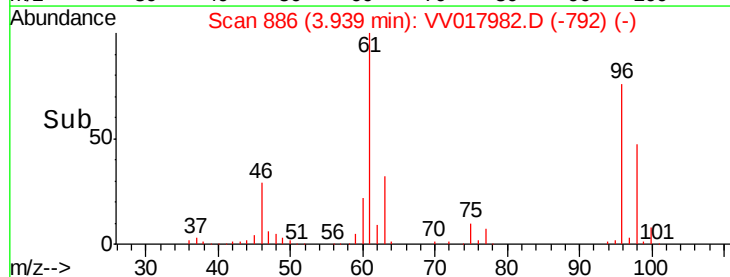
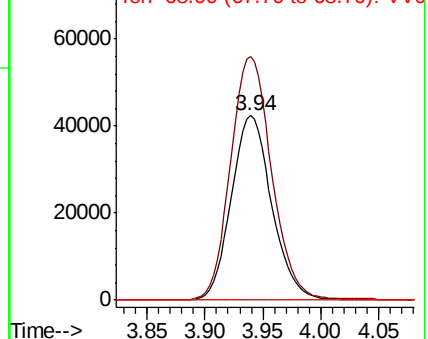
96 100

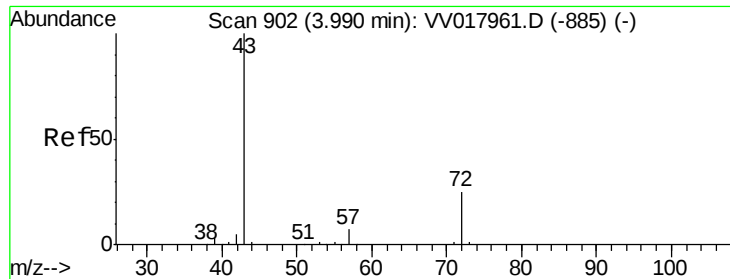
61 132.2 95.0 176.4

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: 100.461 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

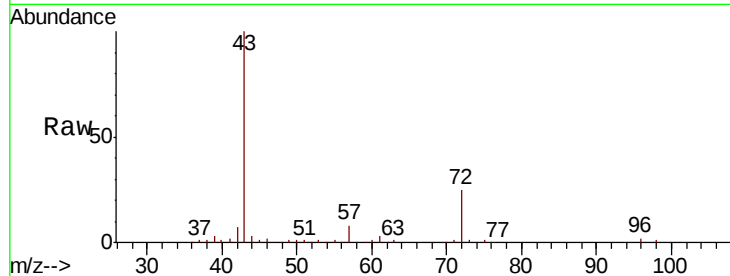
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 43 Resp: 147238

Ion Ratio Lower Upper

43 100

72 25.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017961.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017961.D (-885) (-)

3.99

60000

50000

40000

30000

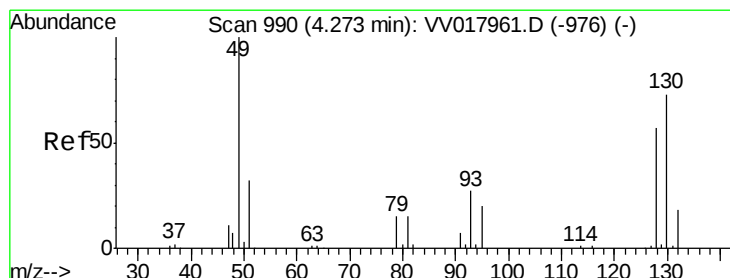
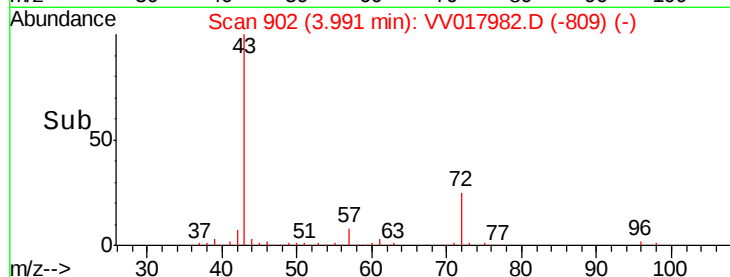
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 53.010 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Tgt Ion:128 Resp: 53112

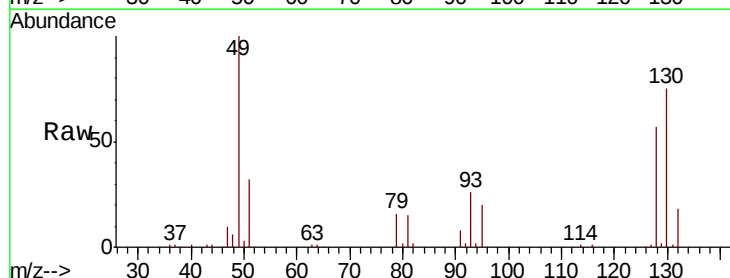
Ion Ratio Lower Upper

128 100

49 176.3 125.6 233.3

130 132.9 89.9 167.0

51 55.8 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV017982.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017982.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017982.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017982.D (-897) (-)

60000

50000

40000

30000

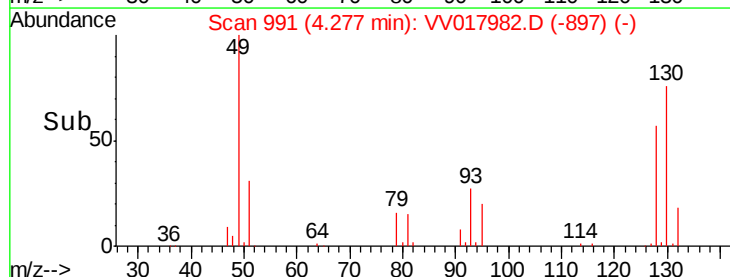
20000

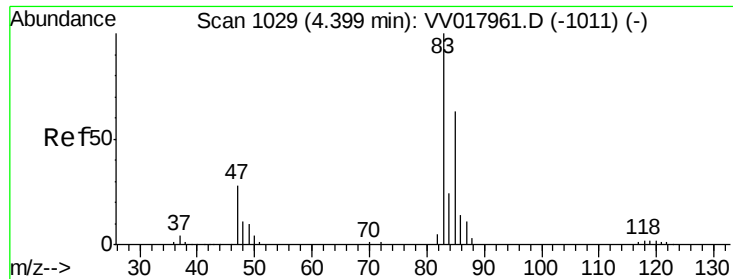
10000

0

Time-->

4.20 4.25 4.30 4.35

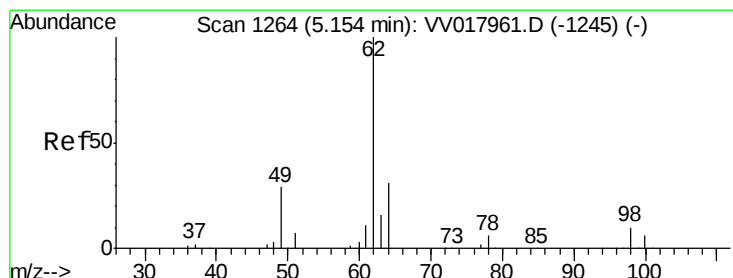
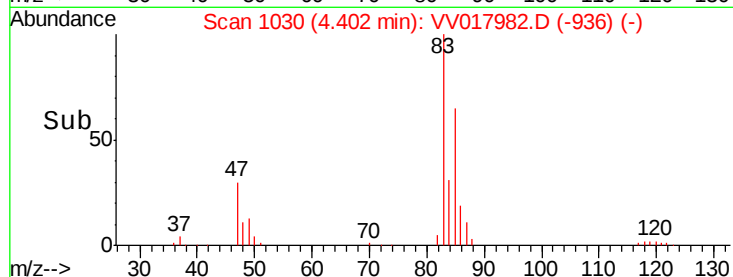
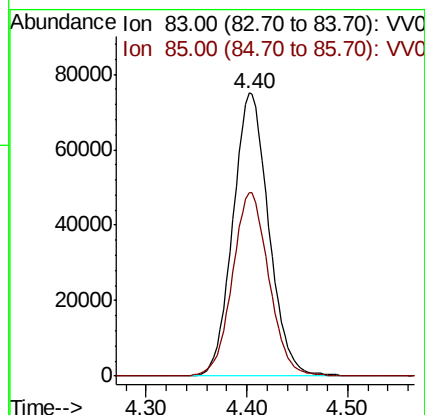
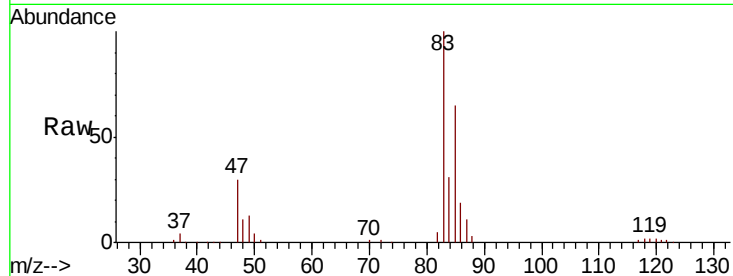




#25
Chloroform
Concen: 51.713 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

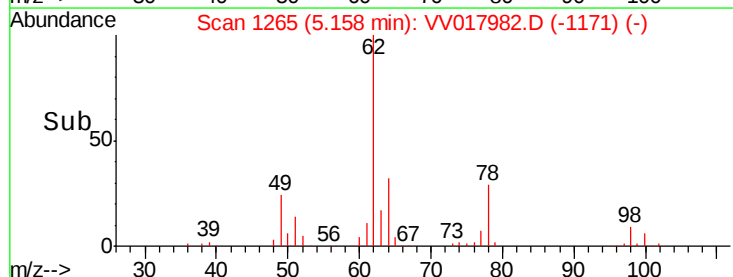
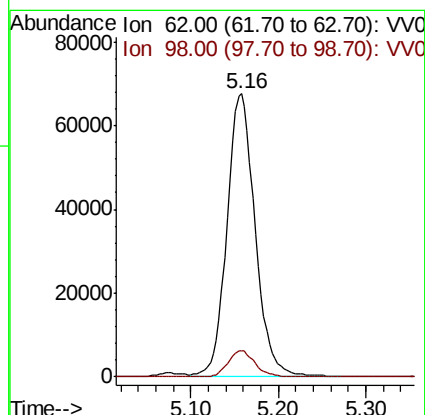
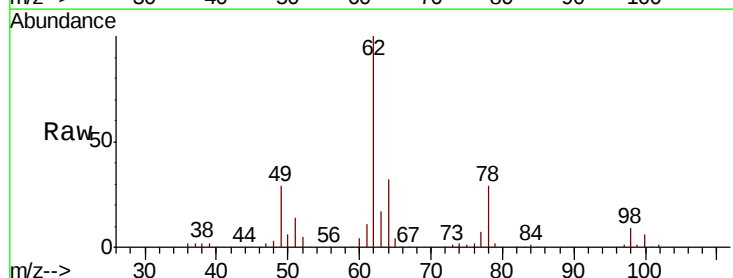
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

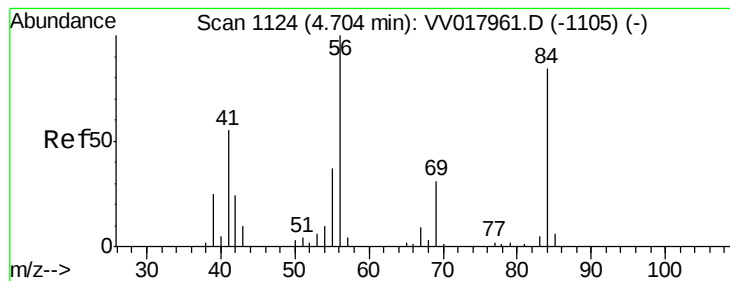
Tot Ion: 83 Resp: 185102
Ion Ratio Lower Upper
83 100
85 64.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 52.836 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Tgt Ion: 62 Resp: 150533
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7





#29

Cyclohexane

Concen: 50.690 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

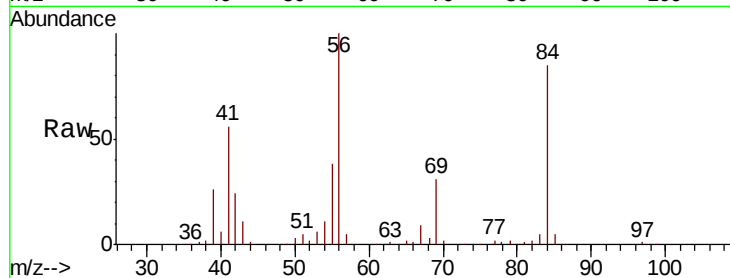
Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 56 Resp: 152435

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.8	35.8
84	83.9	66.8	100.2

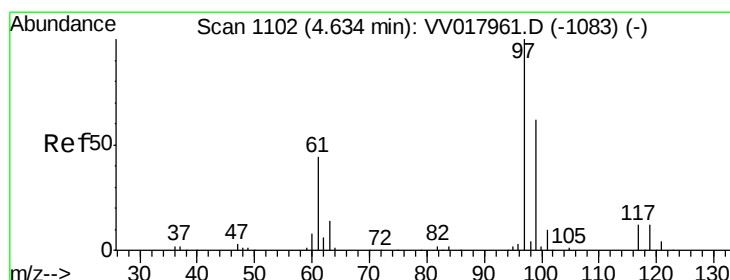
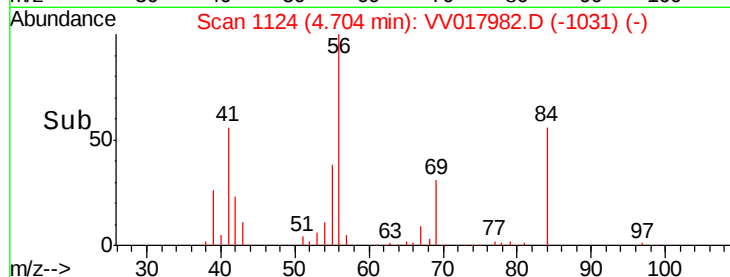
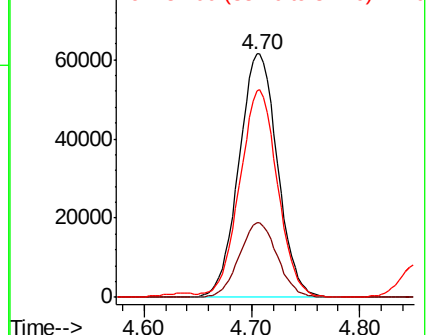


Abundance

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: 51.652 ug/L

RT: 4.64 min Scan# 1103

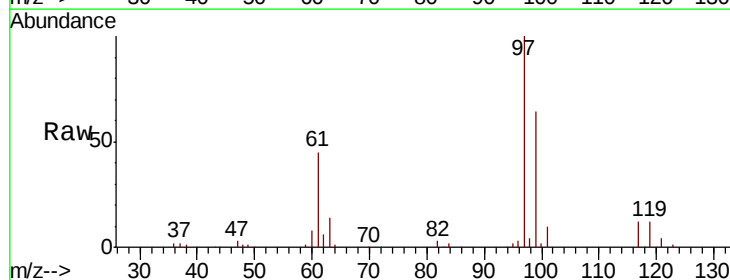
Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Tgt Ion: 97 Resp: 157711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.7	37.0	55.6

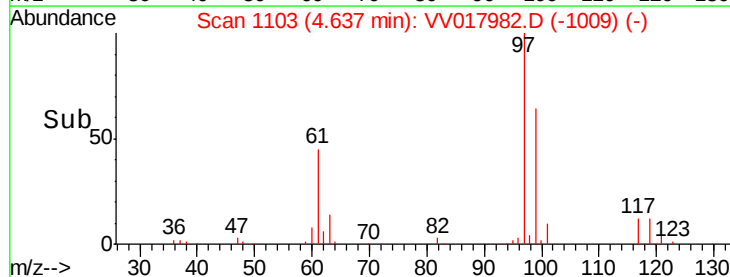
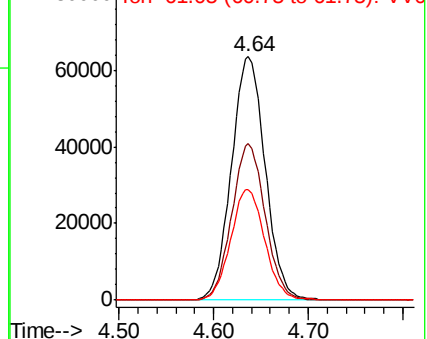


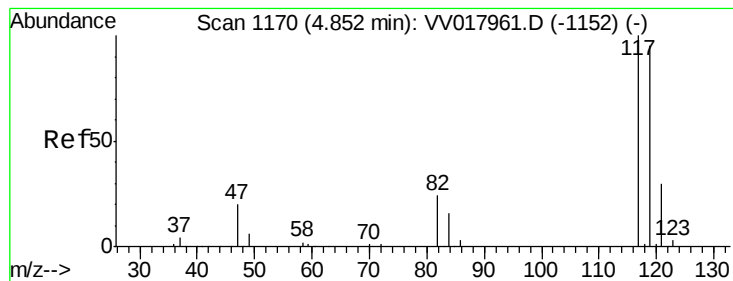
Abundance

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: 51.641 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

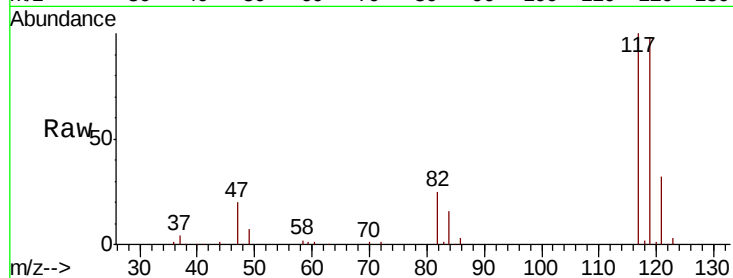
VSTD05068

Tot Ion:117 Resp: 131264

Ion Ratio Lower Upper

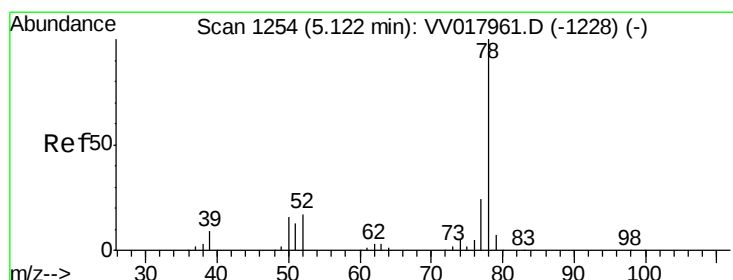
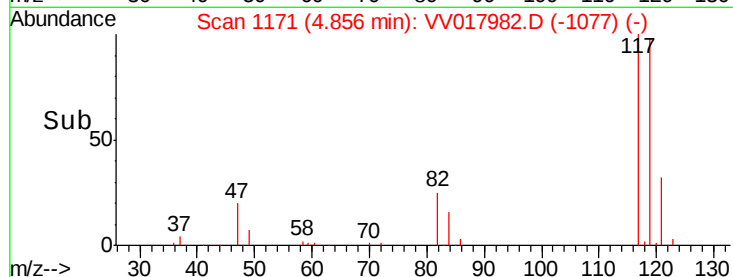
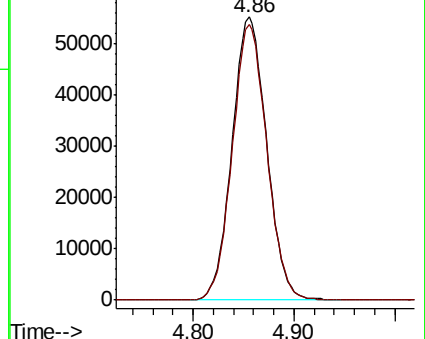
117 100

119 97.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.627 ug/L

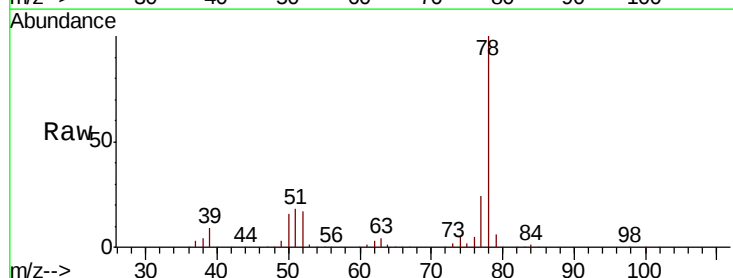
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

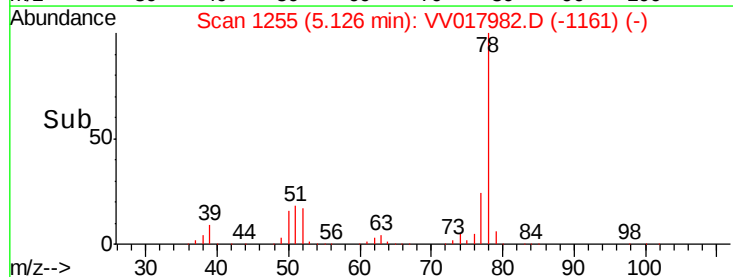
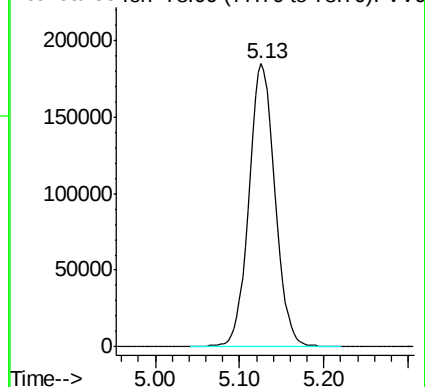
Lab File: VV017982.D

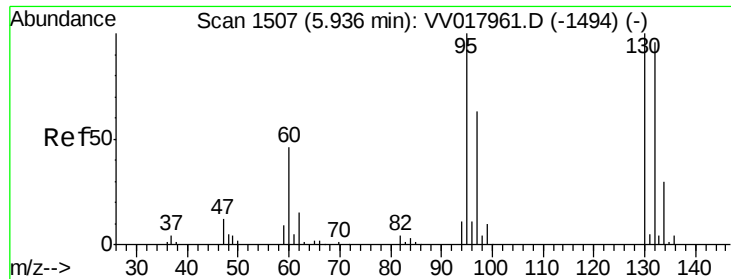
Acq: 13 Aug 2020 20:12

Tgt Ion: 78 Resp: 397977



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.110 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tot Ion: 95 Resp: 104143

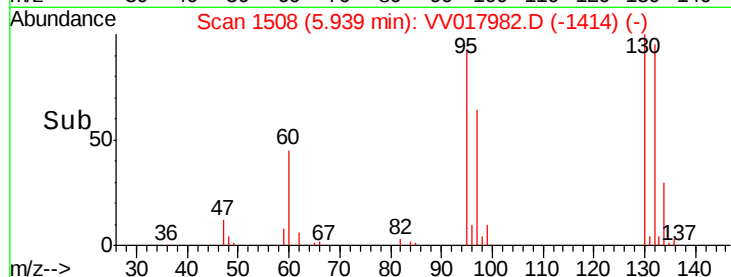
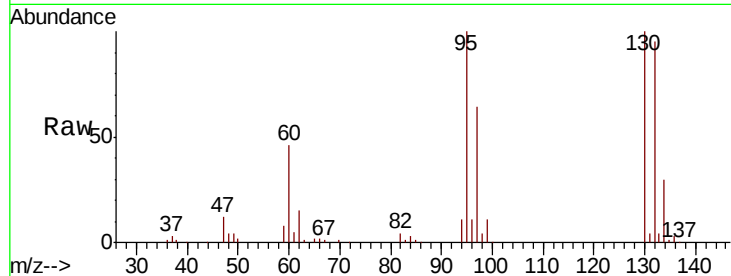
Ion Ratio Lower Upper

95 100

97 64.4 46.0 85.4

132 95.8 65.8 122.2

130 100.4 69.2 128.6



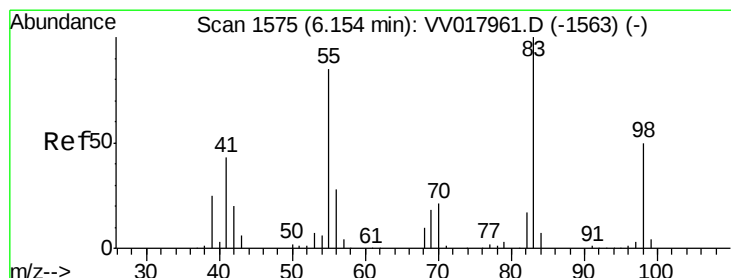
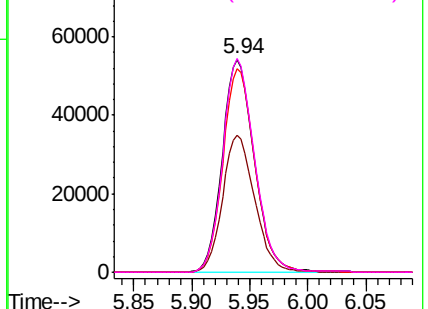
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.471 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

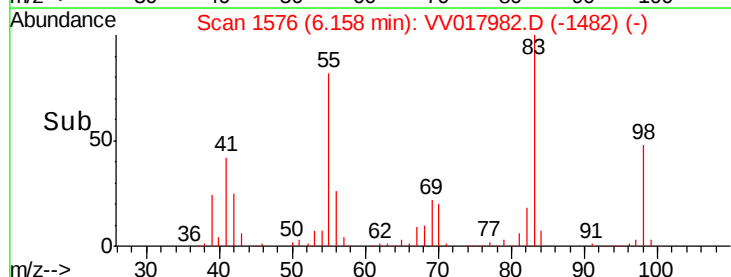
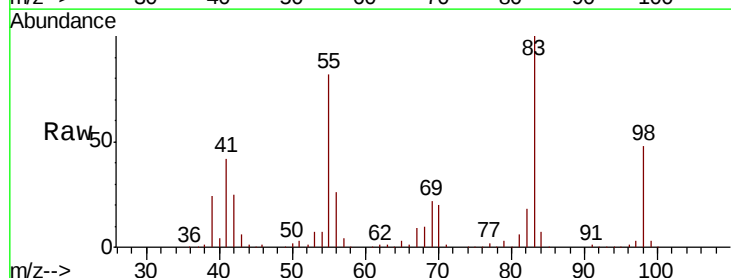
Tgt Ion: 83 Resp: 152923

Ion Ratio Lower Upper

83 100

55 81.2 64.9 97.3

98 48.0 38.7 58.1

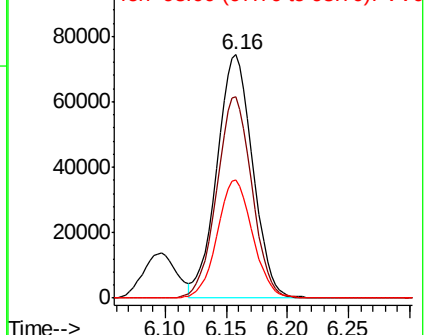


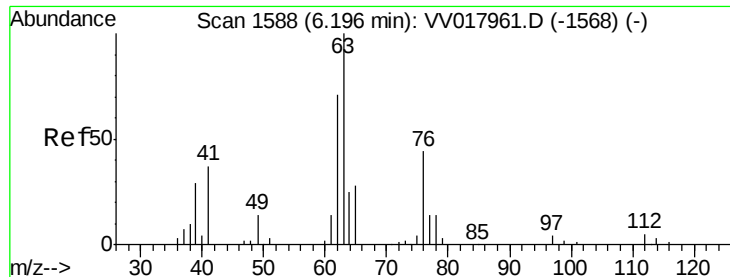
Abundance

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

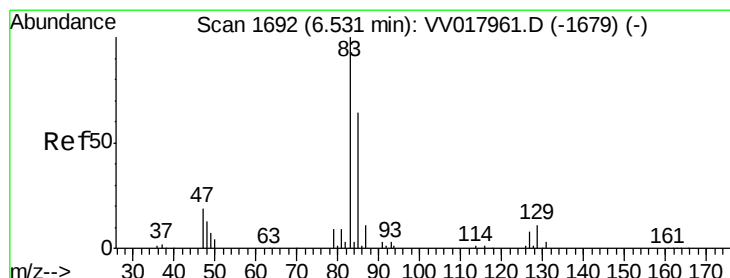
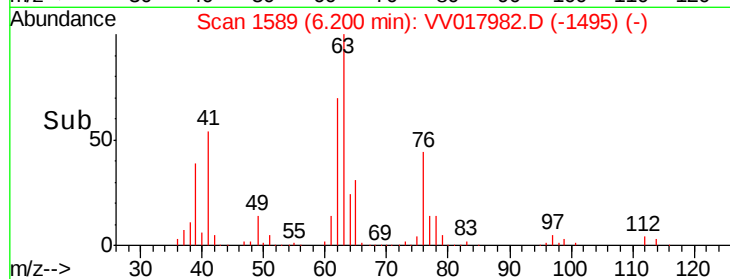
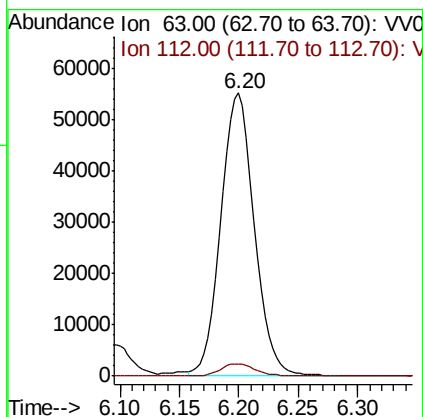
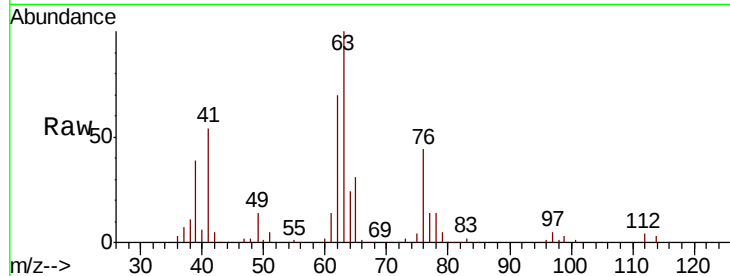




#37
 1,2-Dichloropropane
 Concen: 50.763 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

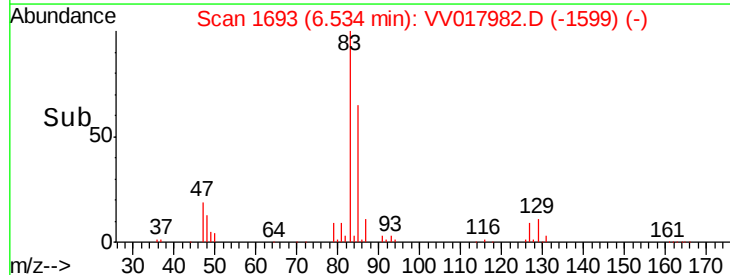
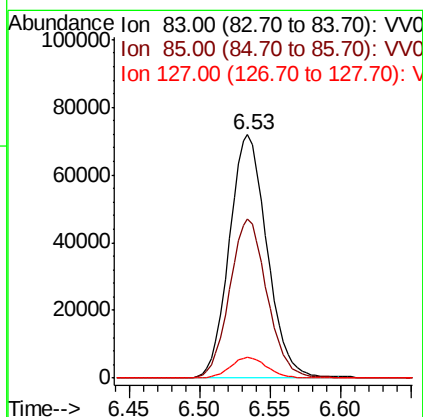
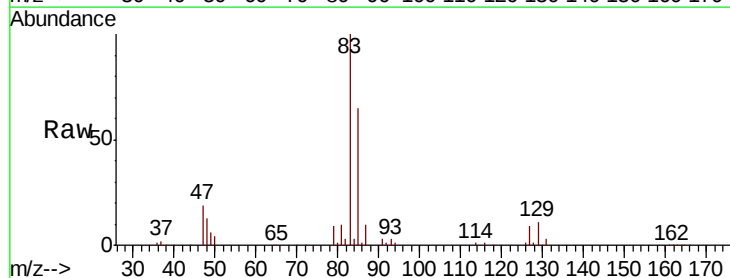
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05068

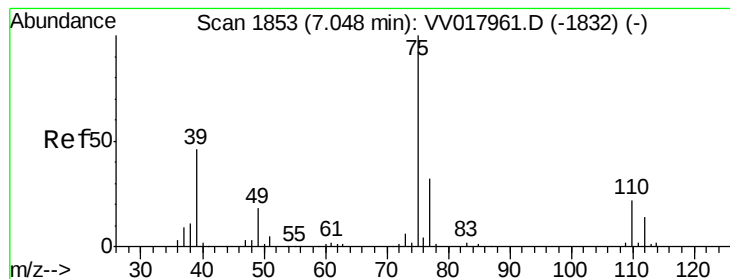
Tot Ion: 63 Resp: 106717
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.543 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

Tgt Ion: 83 Resp: 134591
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.3 82.3
 127 8.5 6.5 9.7



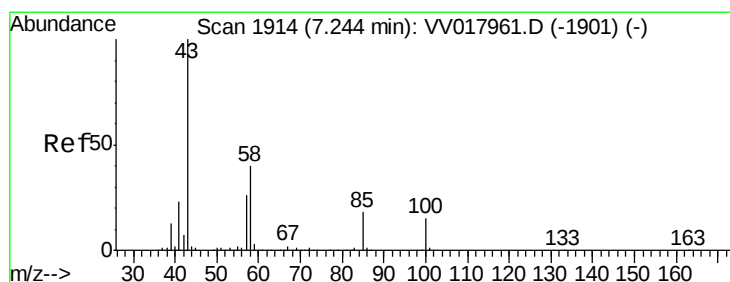
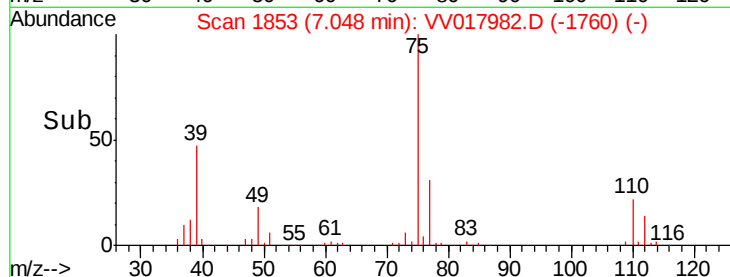
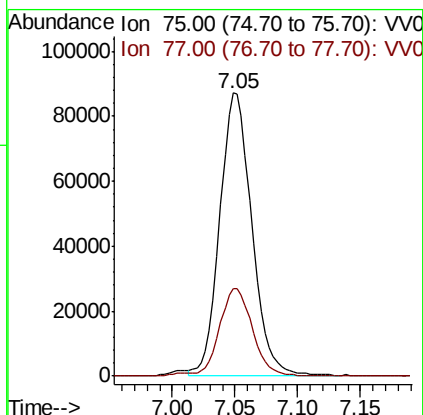
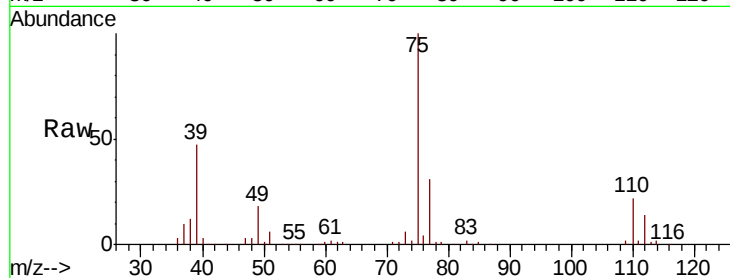


#39

cis-1,3-Dichloropropene
Concen: 51.638 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

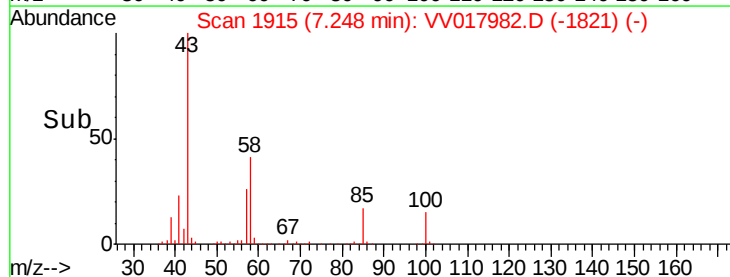
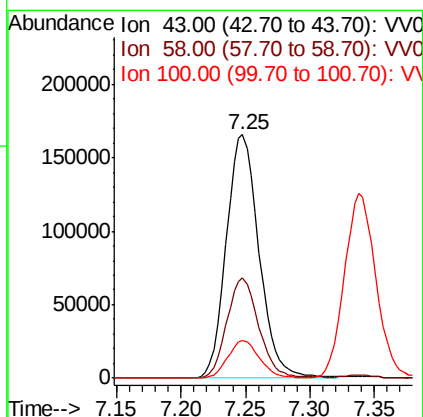
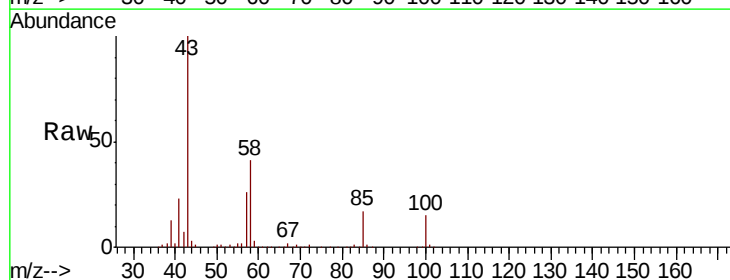
Tot Ion: 75 Resp: 153894
Ion Ratio Lower Upper
75 100
77 30.9 22.3 41.5

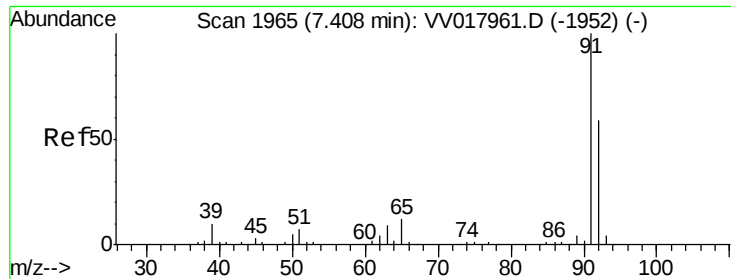


#40

4-Methyl-2-pentanone
Concen: 106.402 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Tgt Ion: 43 Resp: 292413
Ion Ratio Lower Upper
43 100
58 40.1 31.9 47.9
100 15.0 12.2 18.2





#42

Toluene

Concen: 52.924 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampled :

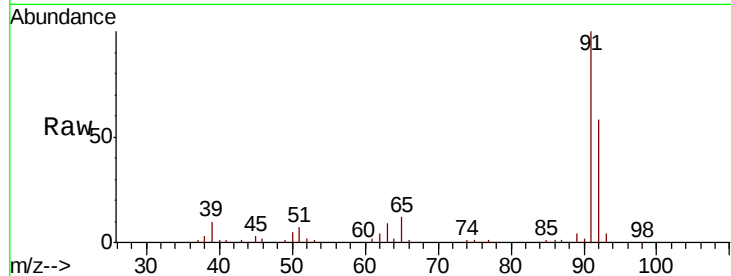
VSTD05068

Tot Ion: 91 Resp: 425719

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV017961.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017961.D (-1952) (-)

7.41

250000

200000

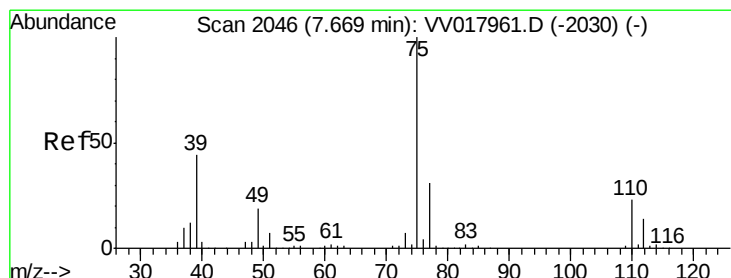
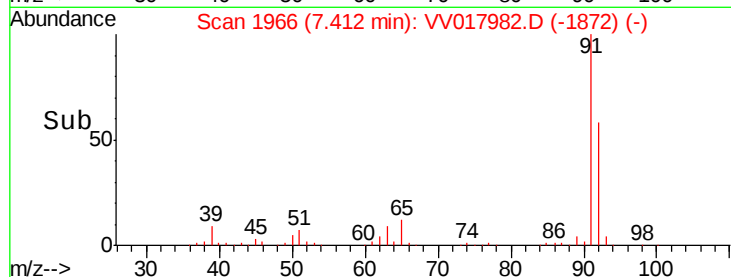
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 54.375 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017982.D

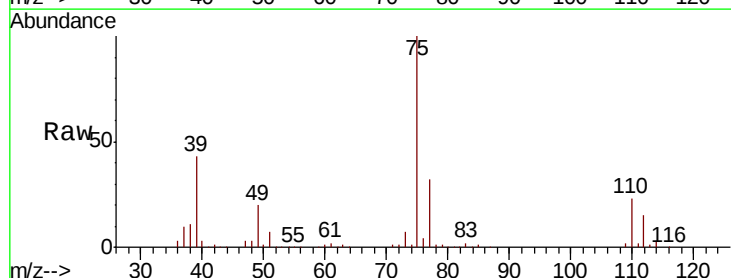
Acq: 13 Aug 2020 20:12

Tgt Ion: 75 Resp: 153753

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017961.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV017961.D (-2030) (-)

7.67

100000

80000

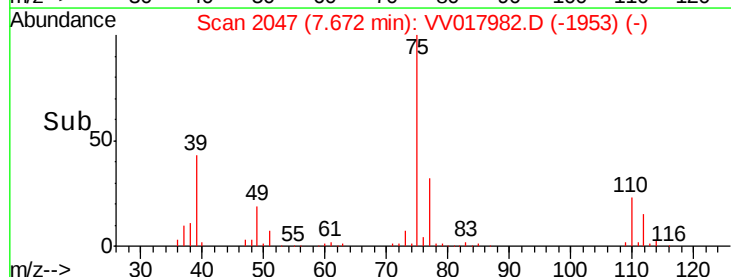
60000

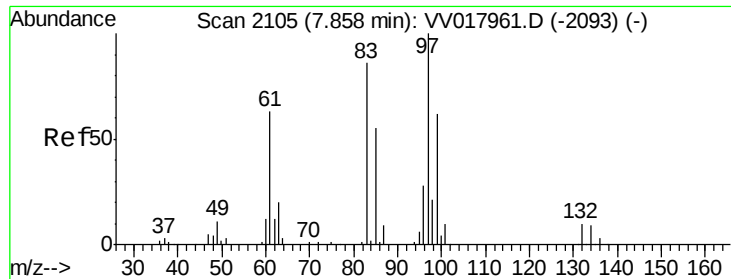
40000

20000

0

Time--> 7.60 7.70 7.80

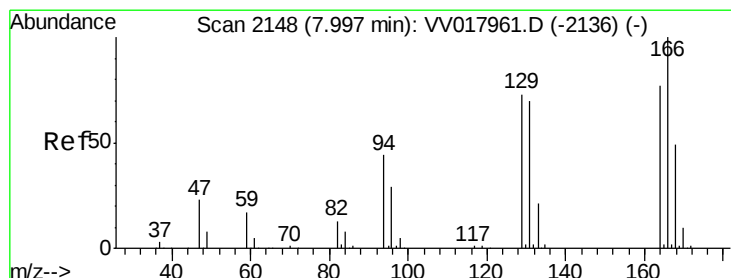
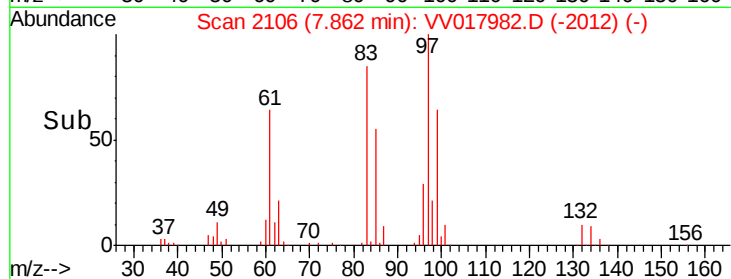
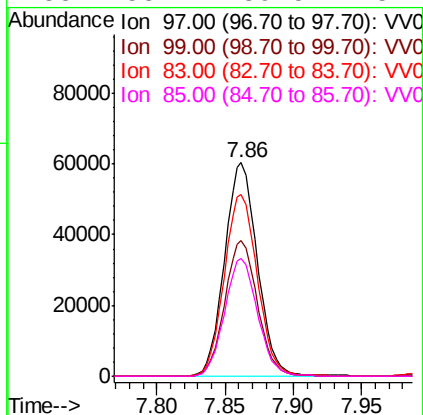
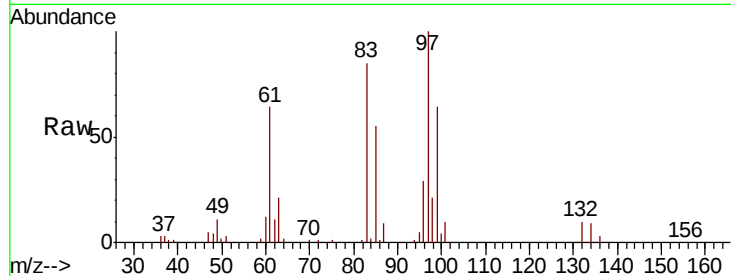




#45
1,1,2-Trichloroethane
Concen: 51.881 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

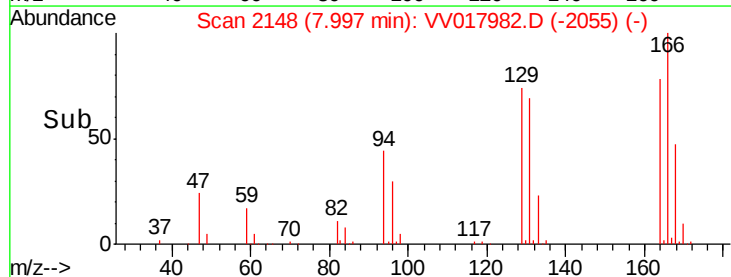
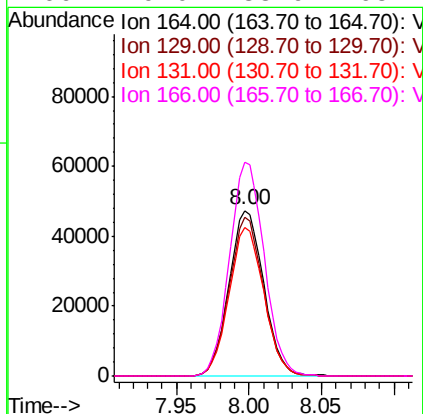
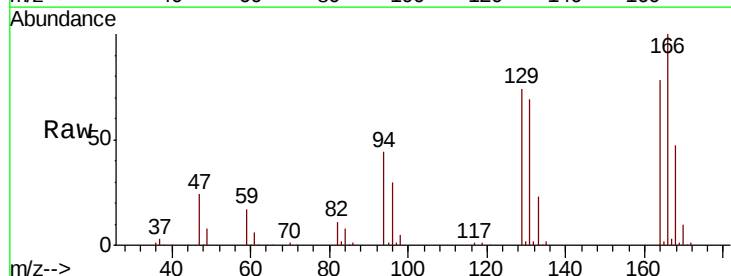
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

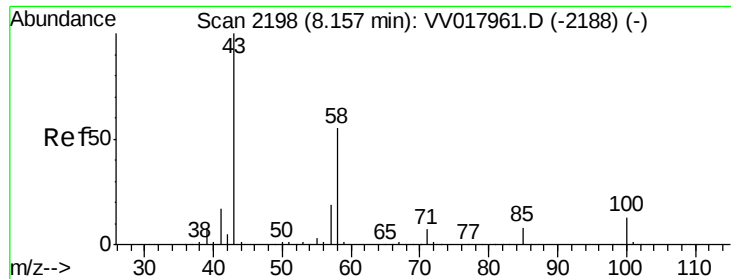
Tot Ion:	97	Resp:	101005
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.2	82.2
83	85.4	61.0	113.4
85	55.4	39.5	73.4



#46
Tetrachloroethene
Concen: 52.599 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Tgt Ion:	164	Resp:	78603
Ion	Ratio	Lower	Upper
164	100		
129	95.7	64.8	120.3
131	89.6	64.5	119.9
166	129.0	88.9	165.1

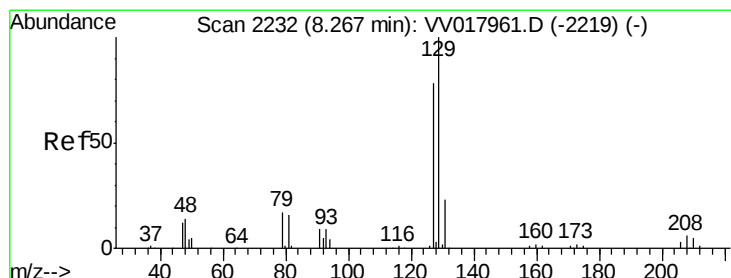
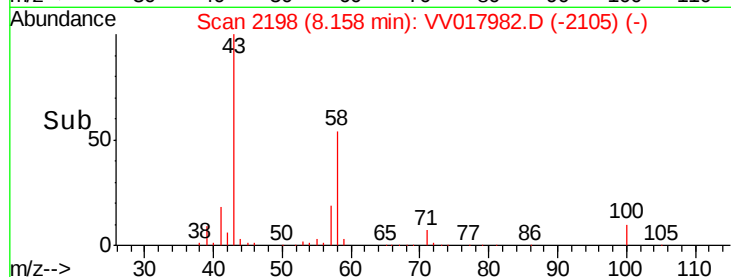
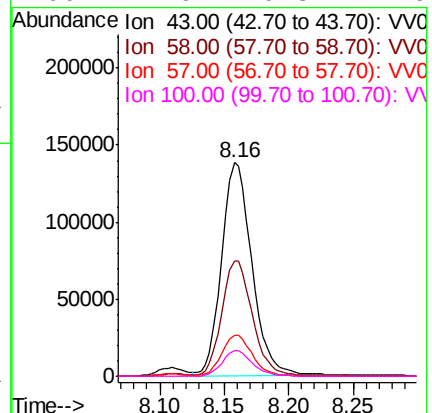
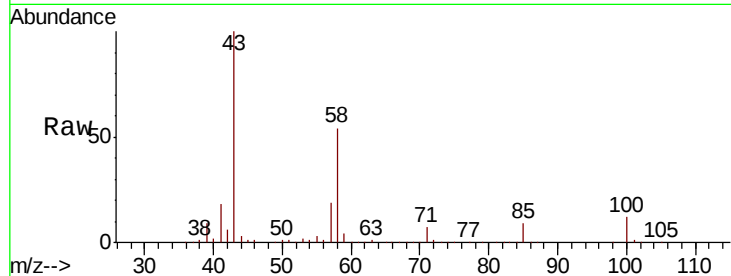




#48
2-Hexanone
Concen: 102.036 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

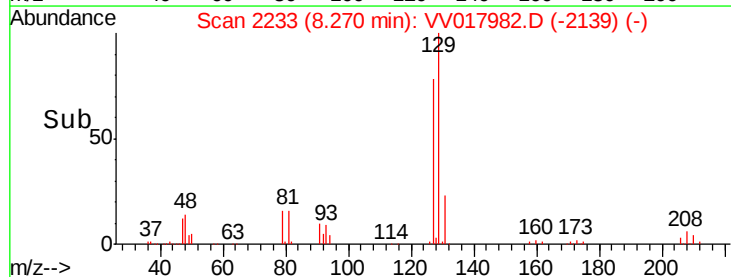
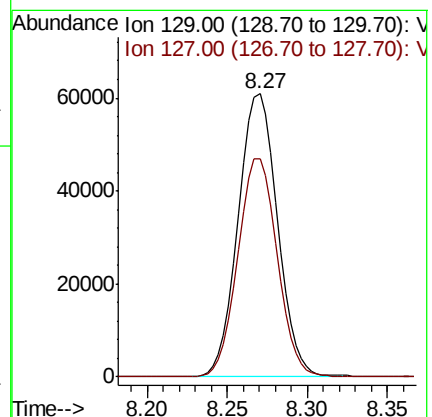
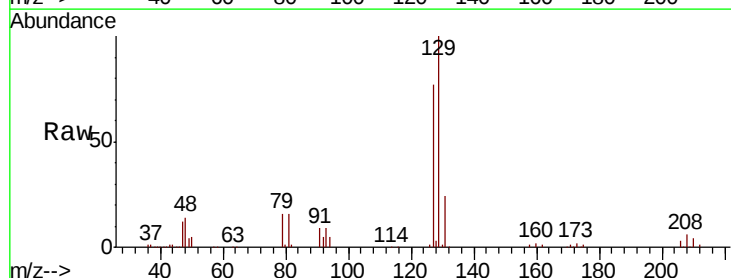
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

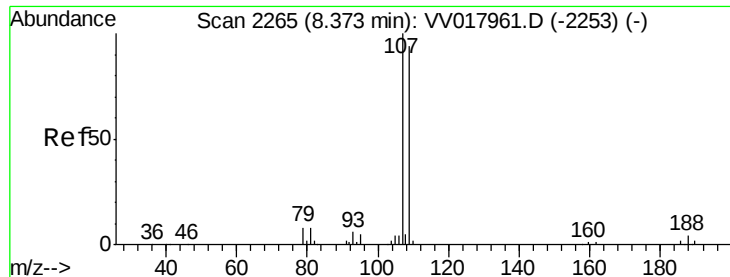
Tot Ion: 43 Resp: 226124
Ion Ratio Lower Upper
43 100
58 54.4 44.4 66.6
57 19.4 15.2 22.8
100 11.9 9.8 14.6



#49
Dibromochloromethane
Concen: 53.876 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017982.D
Acq: 13 Aug 2020 20:12

Tgt Ion: 129 Resp: 102380
Ion Ratio Lower Upper
129 100
127 77.2 54.9 101.9

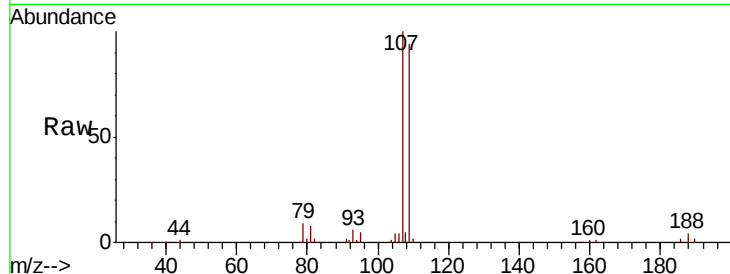




#50
 1,2-Dibromoethane
 Concen: 52.250 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	67.5	125.4
188	3.9	3.4	5.0

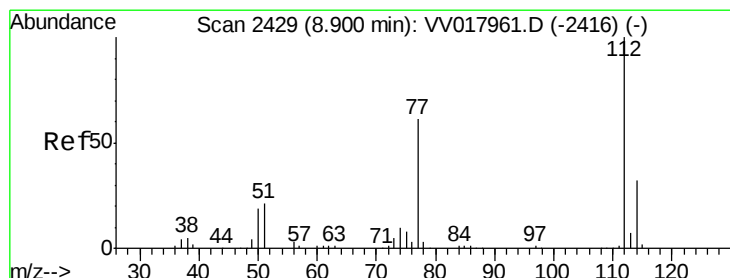
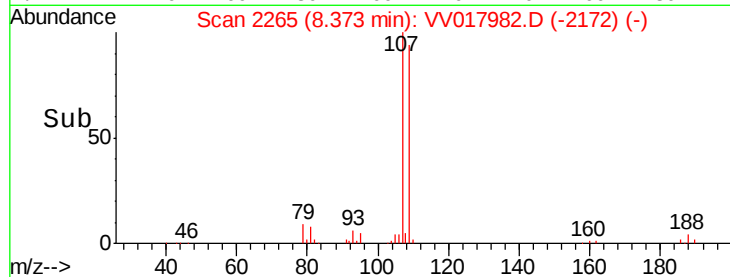
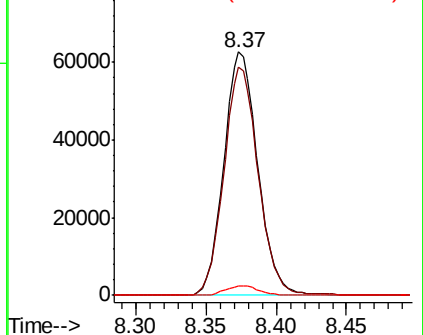


Abundance

Ion 107.00 (106.70 to 107.70): V

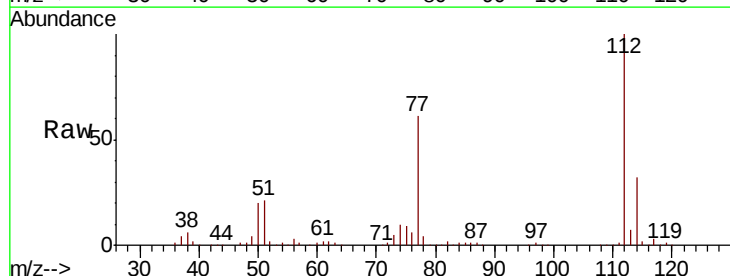
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 52.324 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	61.1	49.4	74.2

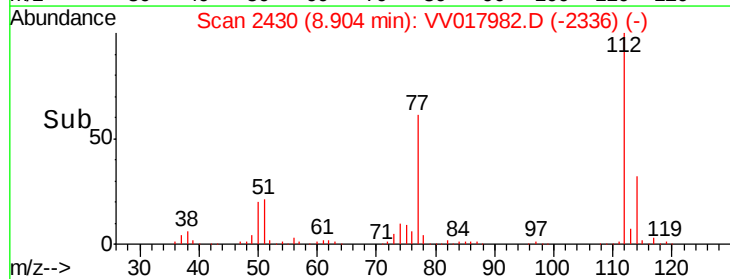
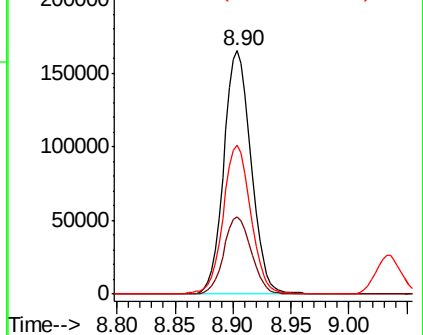


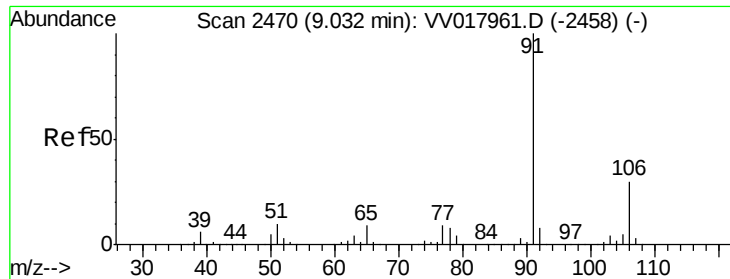
Abundance

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: 53.120 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

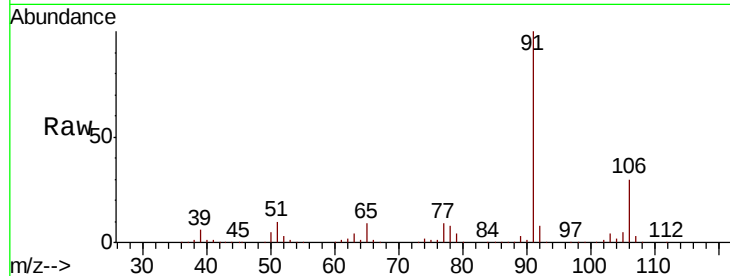
VSTD05068

Tot Ion: 91 Resp: 465902

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017961.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV017961.D (-2458) (-)

300000

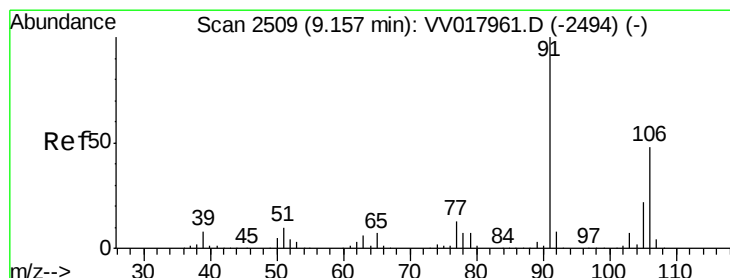
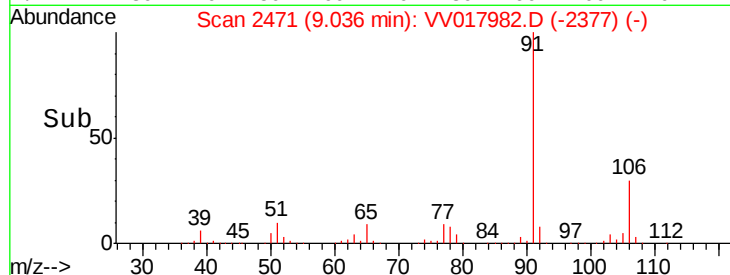
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 53.665 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017982.D

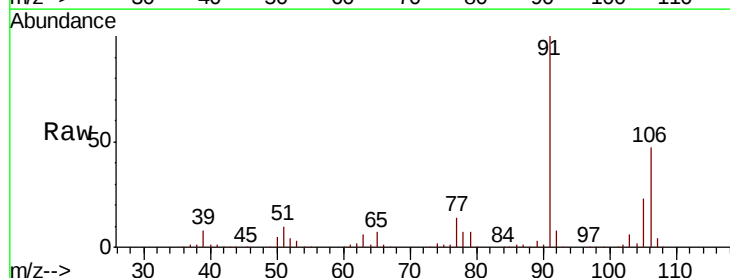
Acq: 13 Aug 2020 20:12

Tgt Ion: 106 Resp: 173116

Ion Ratio Lower Upper

106 100

91 211.0 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017961.D (-2494) (-)

Ion 91.00 (90.70 to 91.70): VV017961.D (-2494) (-)

250000

200000

150000

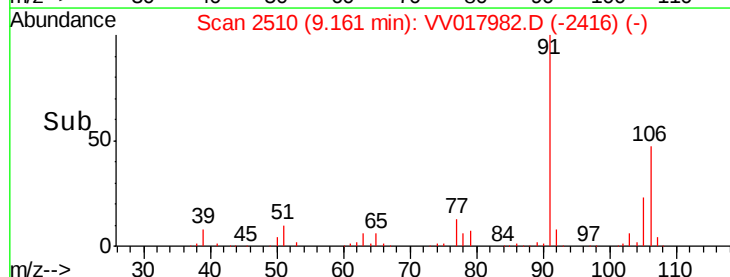
100000

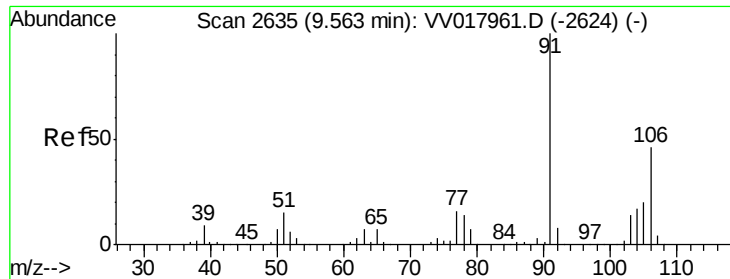
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 53.006 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

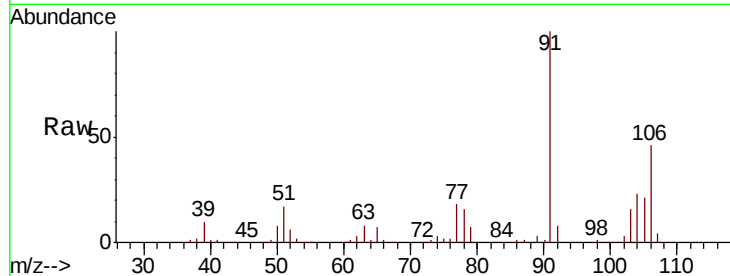
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion:106 Resp: 168976

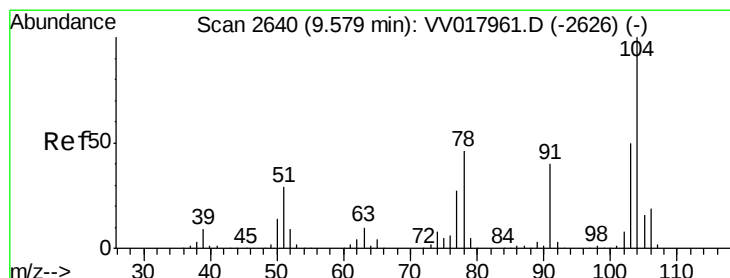
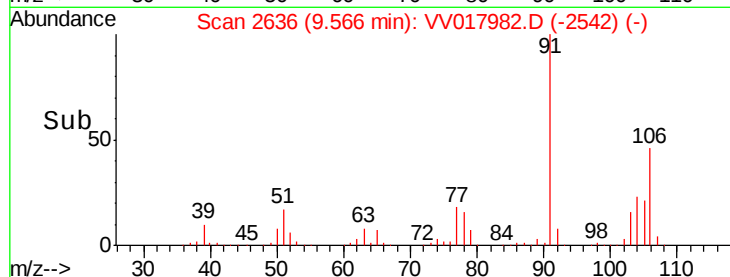
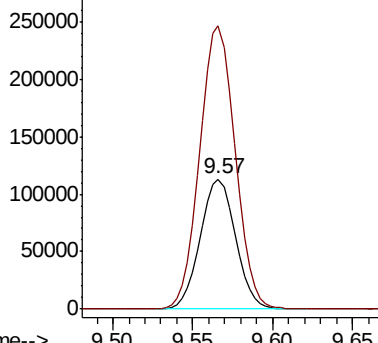
Ion Ratio Lower Upper

106 100

91 217.9 156.0 289.8



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



#55

Styrene

Concen: 55.461 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017982.D

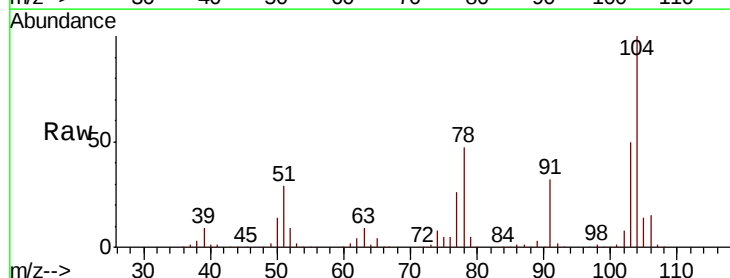
Acq: 13 Aug 2020 20:12

Tgt Ion:104 Resp: 302776

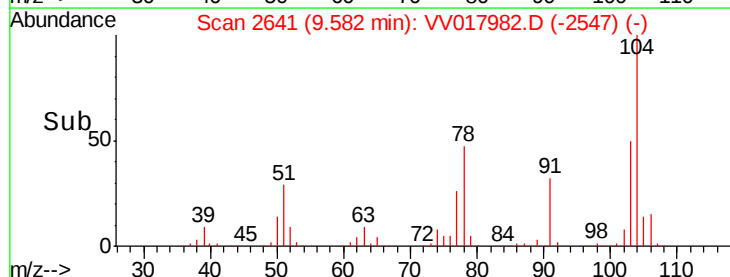
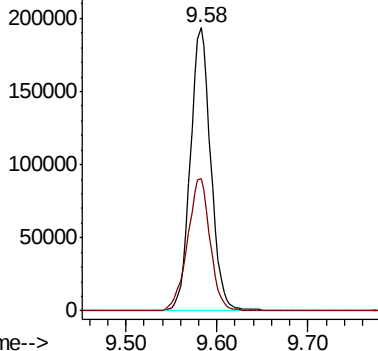
Ion Ratio Lower Upper

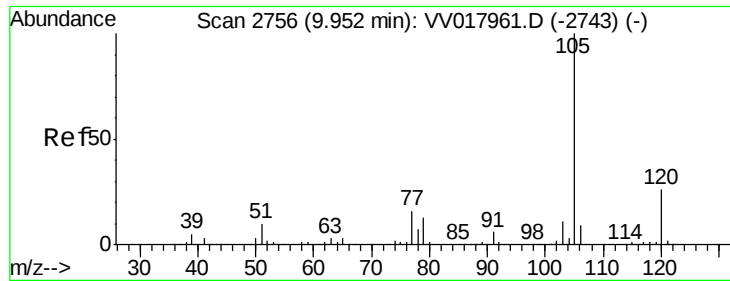
104 100

78 46.7 32.2 59.8



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





#56

Isopropylbenzene

Concen: 53.944 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

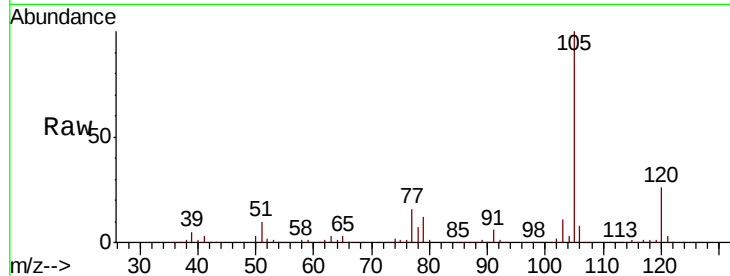
Tot Ion:105 Resp: 453664

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

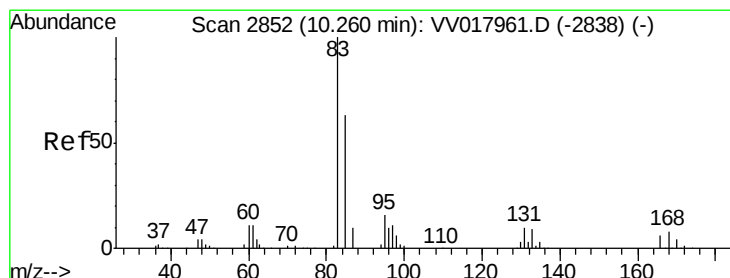
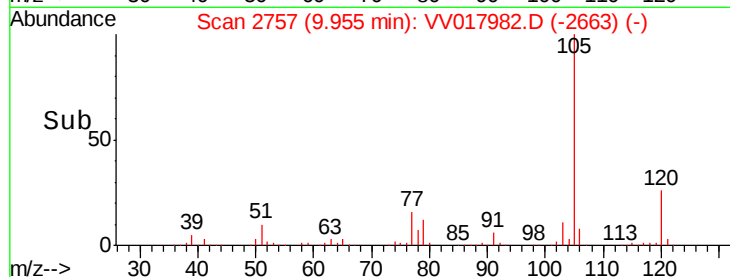
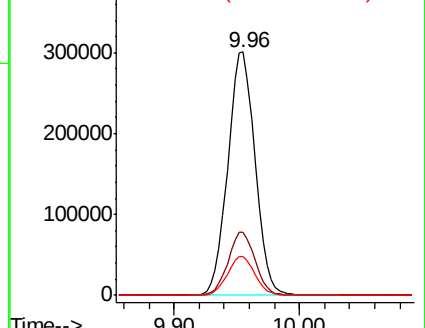
77 16.1 13.1 19.7



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: 51.960 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

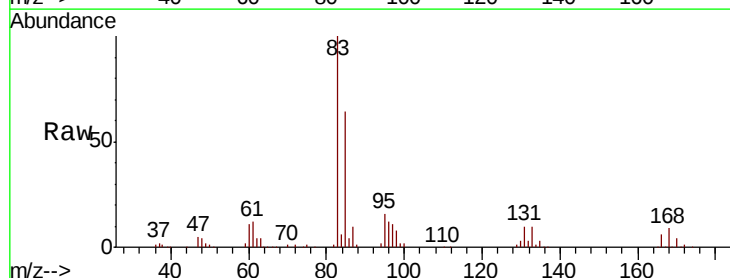
Tgt Ion: 83 Resp: 157526

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

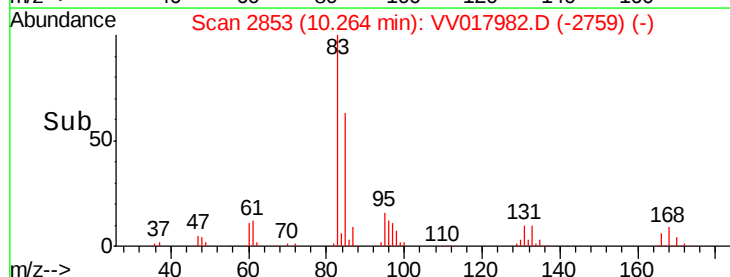
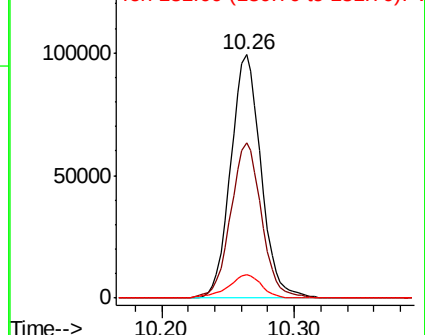
131 9.6 7.8 11.6

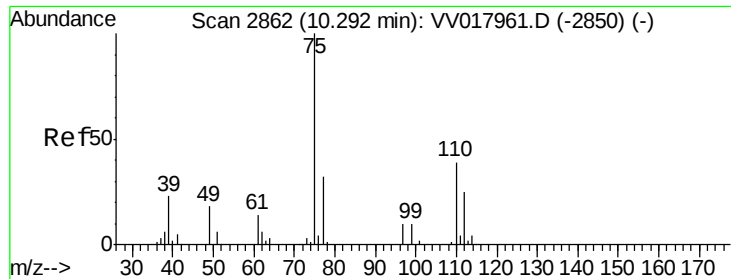


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.556 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

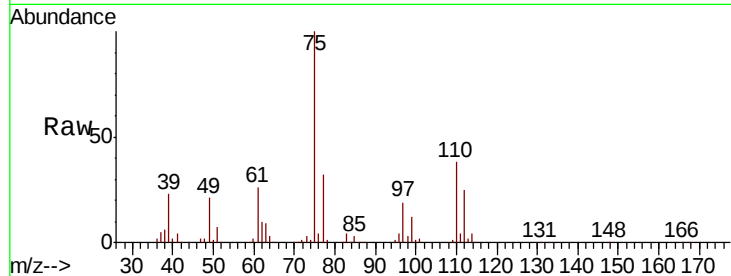
VSTD05068

Tot Ion: 75 Resp: 133856

Ion Ratio Lower Upper

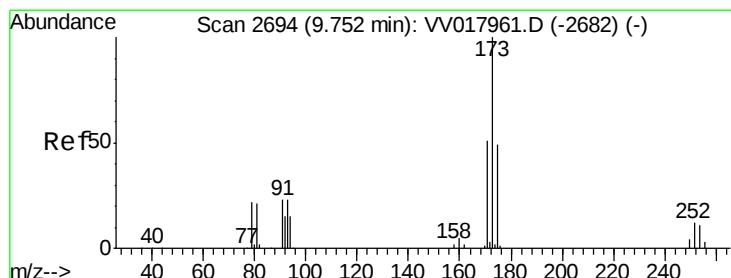
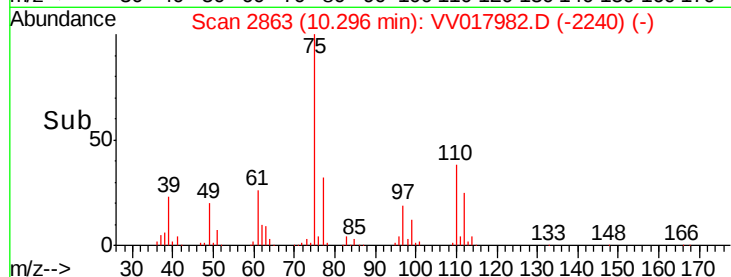
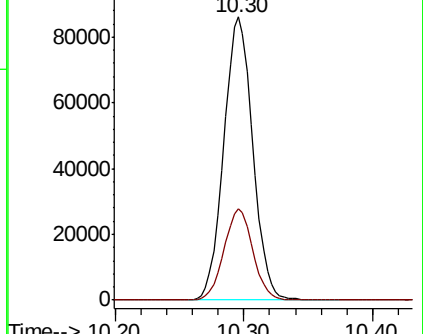
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV017961.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017961.D (-2850) (-)



#61

Bromoform

Concen: 52.369 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

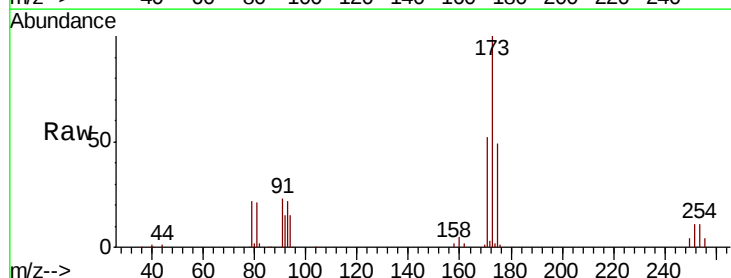
Tgt Ion: 173 Resp: 66851

Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

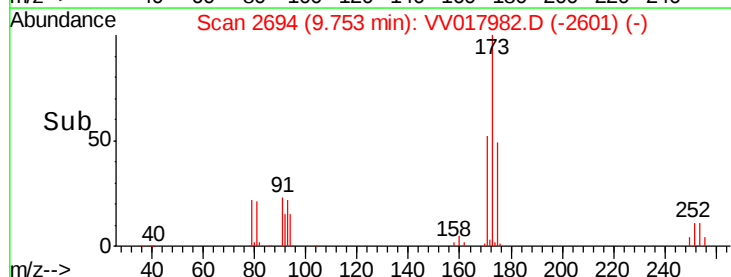
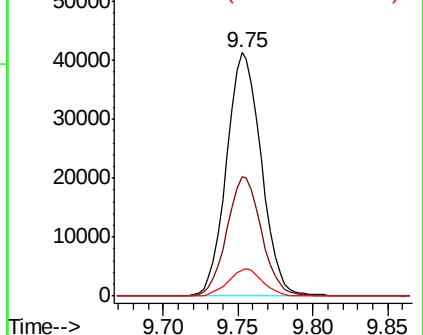
254 11.1 8.4 12.6

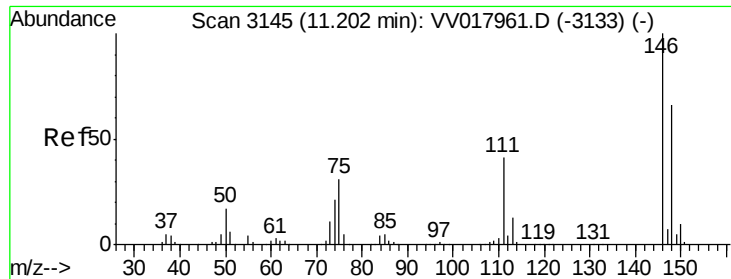


Abundance Ion 173.00 (172.70 to 173.70): VV017961.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017961.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017961.D (-2682) (-)

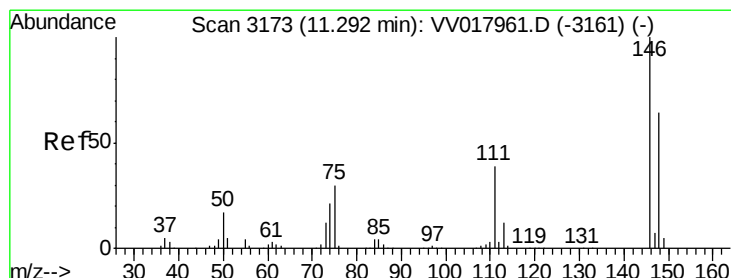
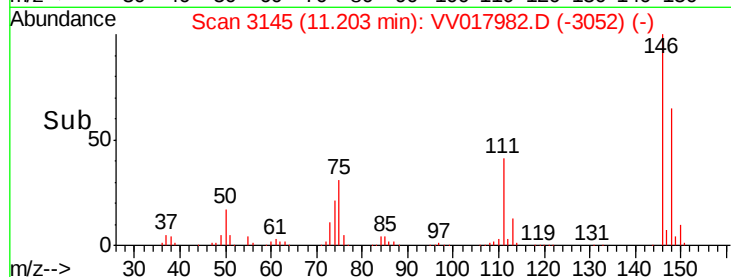
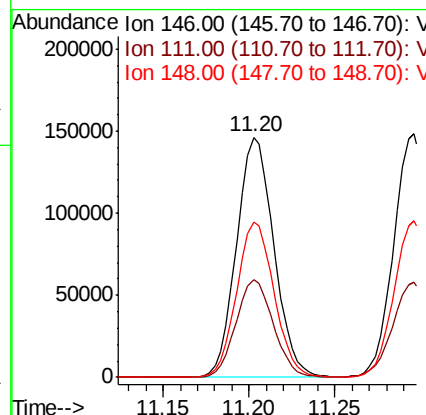
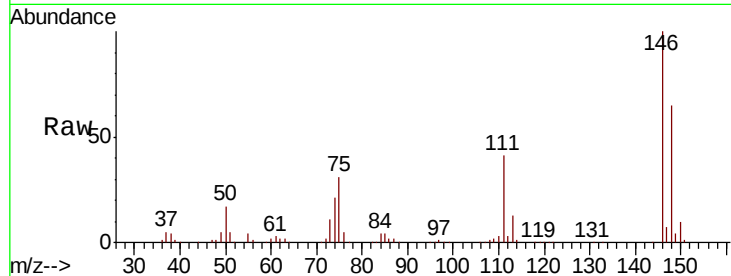




#62
 1,3-Dichlorobenzene
 Concen: 51.535 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

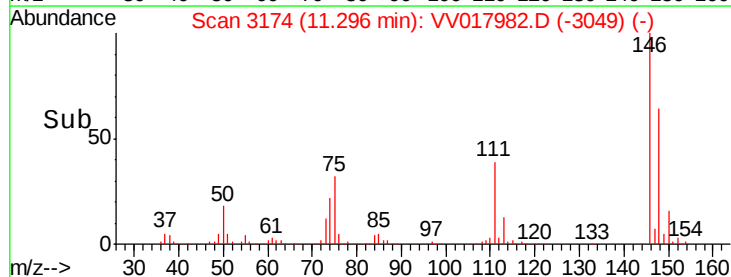
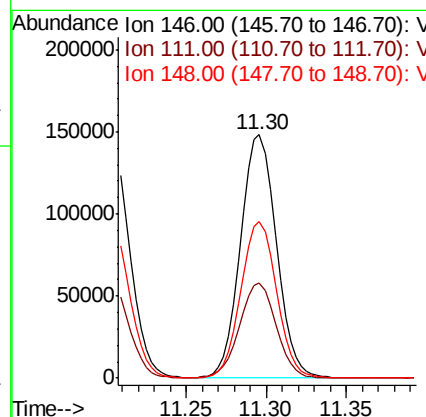
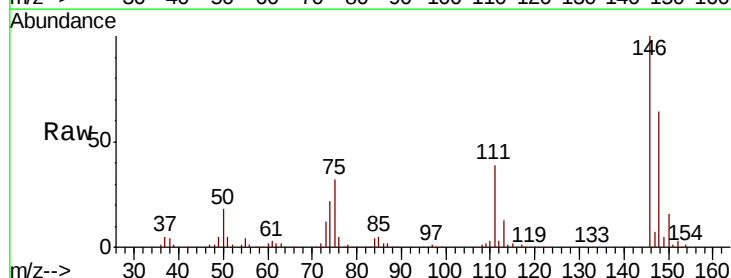
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

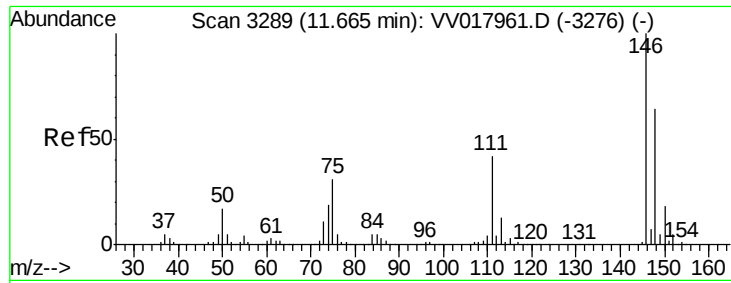
Tot Ion:146 Resp: 221091
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.8 53.4
 148 64.6 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 51.112 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

Tgt Ion:146 Resp: 225259
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.0 52.0
 148 64.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 50.644 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

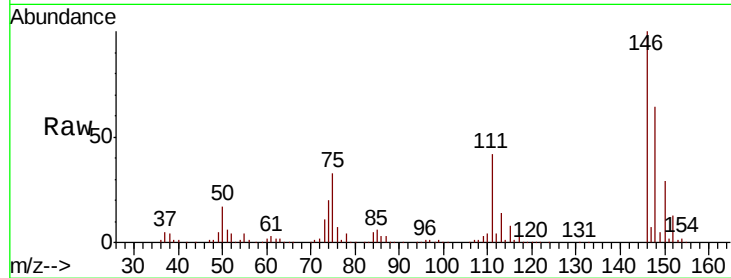
Tot Ion:146 Resp: 223630

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

148 64.3 50.6 76.0

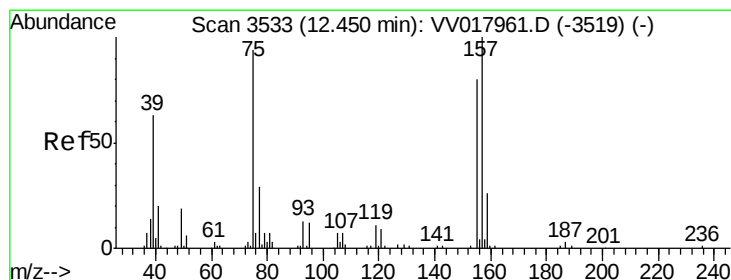
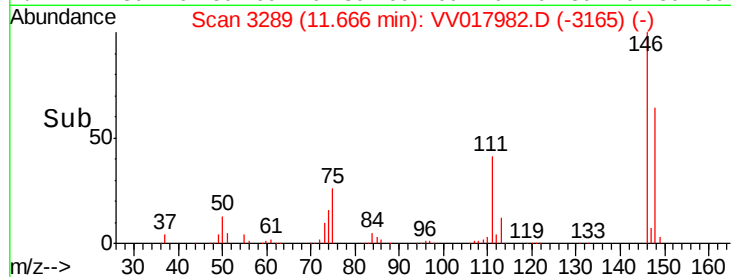
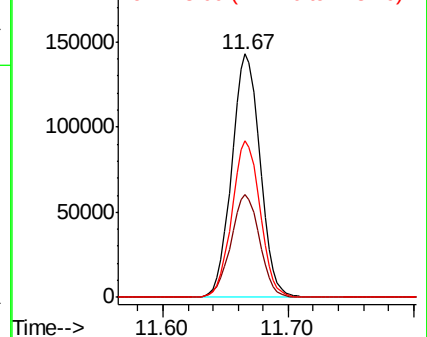


Abundance

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: 50.865 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

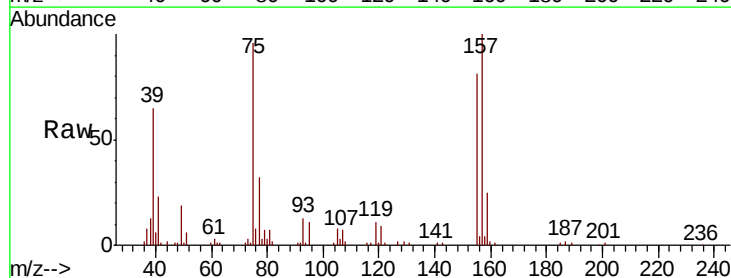
Tgt Ion: 75 Resp: 33093

Ion Ratio Lower Upper

75 100

155 84.2 67.6 101.4

157 104.4 84.3 126.5

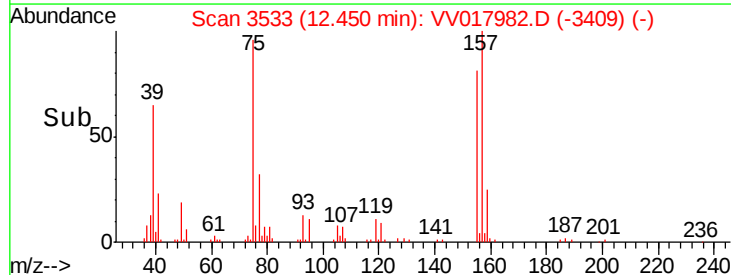
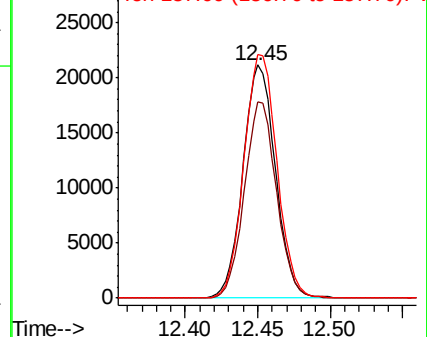


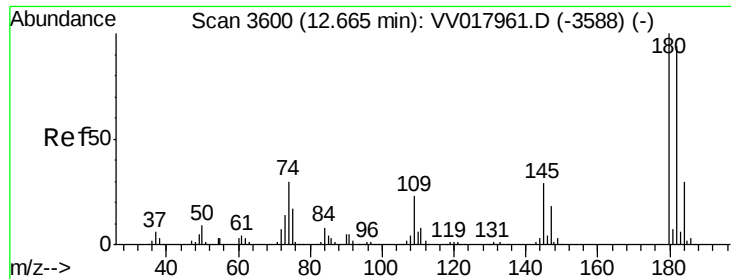
Abundance

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

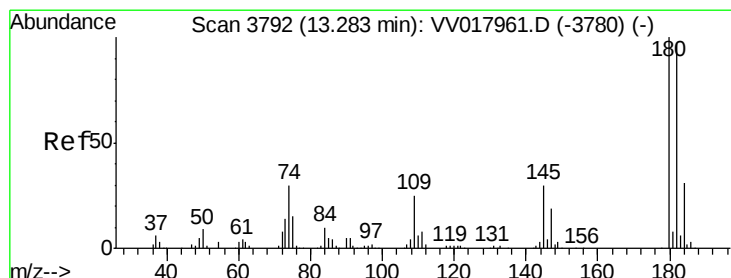
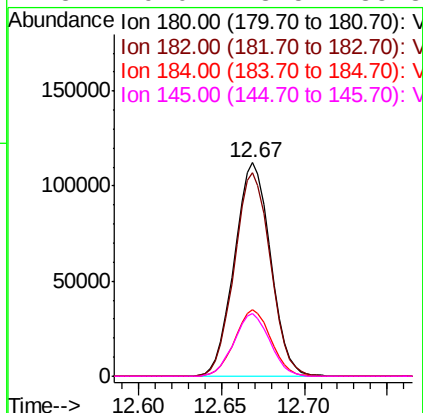
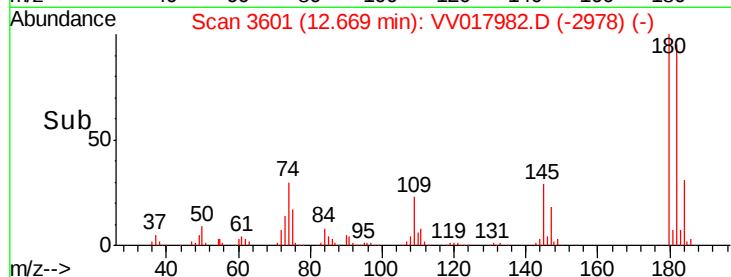
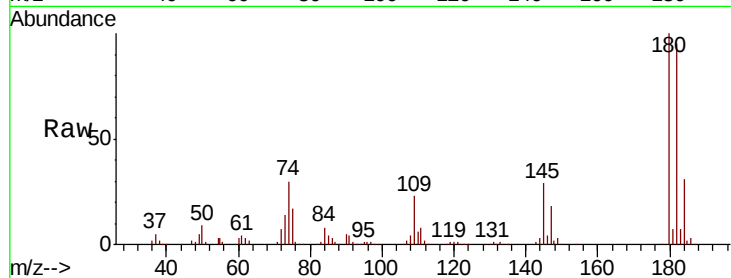




#67
 1,3,5-Trichlorobenzene
 Concen: 52.253 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

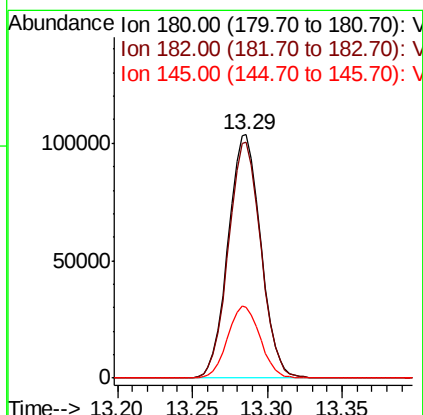
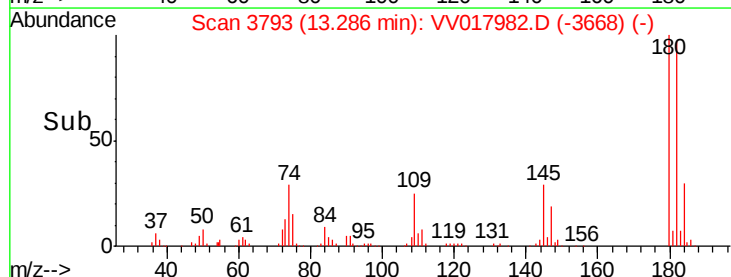
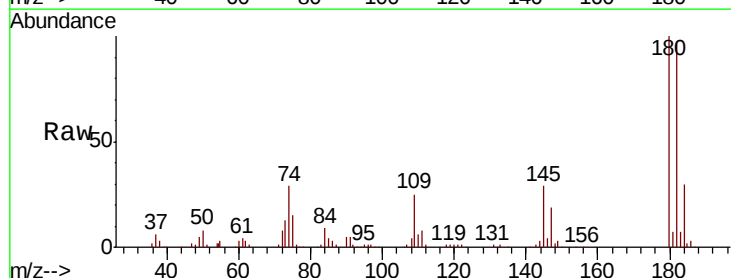
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

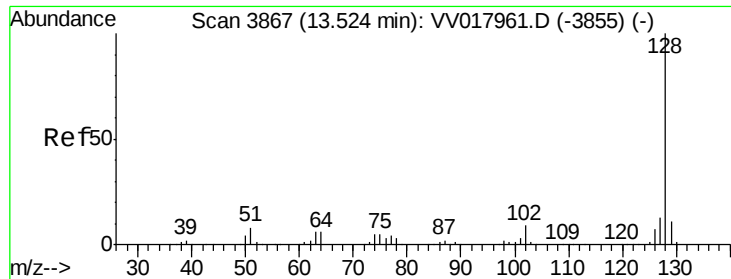
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.2	115.8
184	31.0	24.6	36.8
145	29.0	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 55.090 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017982.D
 Acq: 13 Aug 2020 20:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	29.5	24.0	36.0





#69

Naphthalene

Concen: 57.228 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

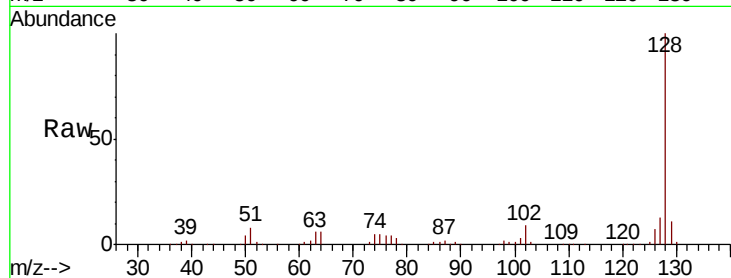
Tot Ion:128 Resp: 451952

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

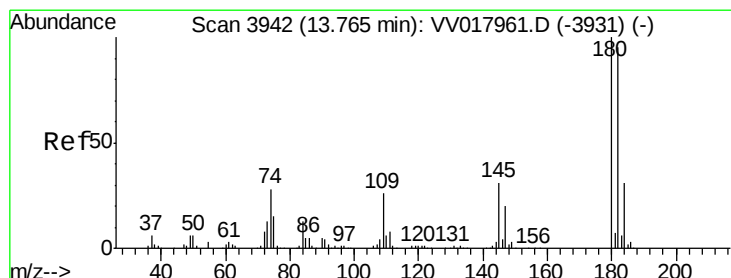
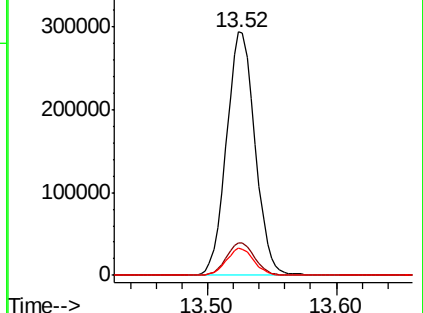
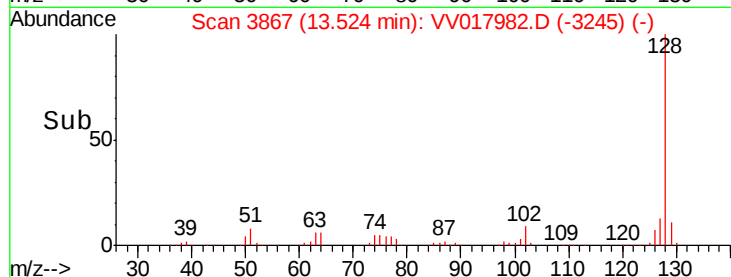
129 10.8 8.7 13.1



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: 57.164 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017982.D

Acq: 13 Aug 2020 20:12

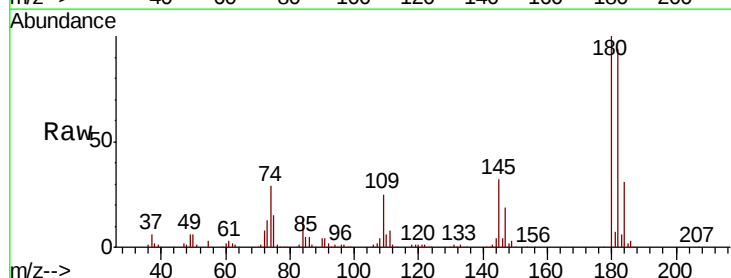
Tgt Ion:180 Resp: 166566

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 31.7 26.0 39.0



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

