

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017882.D
 Acq On : 09 Aug 2020 02:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Aug 10 05:14:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 05:09:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254646	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	246087	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	139864	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63233	48.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.16%
7) Chloroethane-d5	1.58	69	54716	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.96%
11) 1,1-Dichloroethene-d2	2.12	63	151446	47.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.86%
21) 2-Butanone-d5	3.92	46	84619	102.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.38	84	173272	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.06	65	129742	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.08	84	284632	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.09	67	74603	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.56%
41) Toluene-d8	7.34	98	282863	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	7.64	79	49236	53.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.14%
47) 2-Hexanone-d5	8.11	63	55342	106.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	110823	49.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	141567	49.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	98198	48.502	ug/L	99
3) Chloromethane	1.25	50	63821	49.826	ug/L	98
5) Vinyl chloride	1.32	62	73268	49.244	ug/L	98
6) Bromomethane	1.53	94	51580	50.965	ug/L	96
8) Chloroethane	1.60	64	47927	51.040	ug/L	98
9) Trichlorofluoromethane	1.76	101	176838	48.293	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	76214	46.846	ug/L	98
12) 1,1-Dichloroethene	2.13	96	72028	48.012	ug/L	97
13) Acetone	2.20	43	72576	67.726	ug/L	99
14) Carbon disulfide	2.31	76	180978	52.341	ug/L	99
15) Methyl Acetate	2.45	43	60151	50.894	ug/L	95
16) Methylene chloride	2.52	84	80444	50.997	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	76307	49.835	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	276969	52.541	ug/L	99
19) 1,1-Dichloroethane	3.21	63	132366	52.381	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	87367	52.830	ug/L	99
22) 2-Butanone	4.00	43	88228	94.839	ug/L	97

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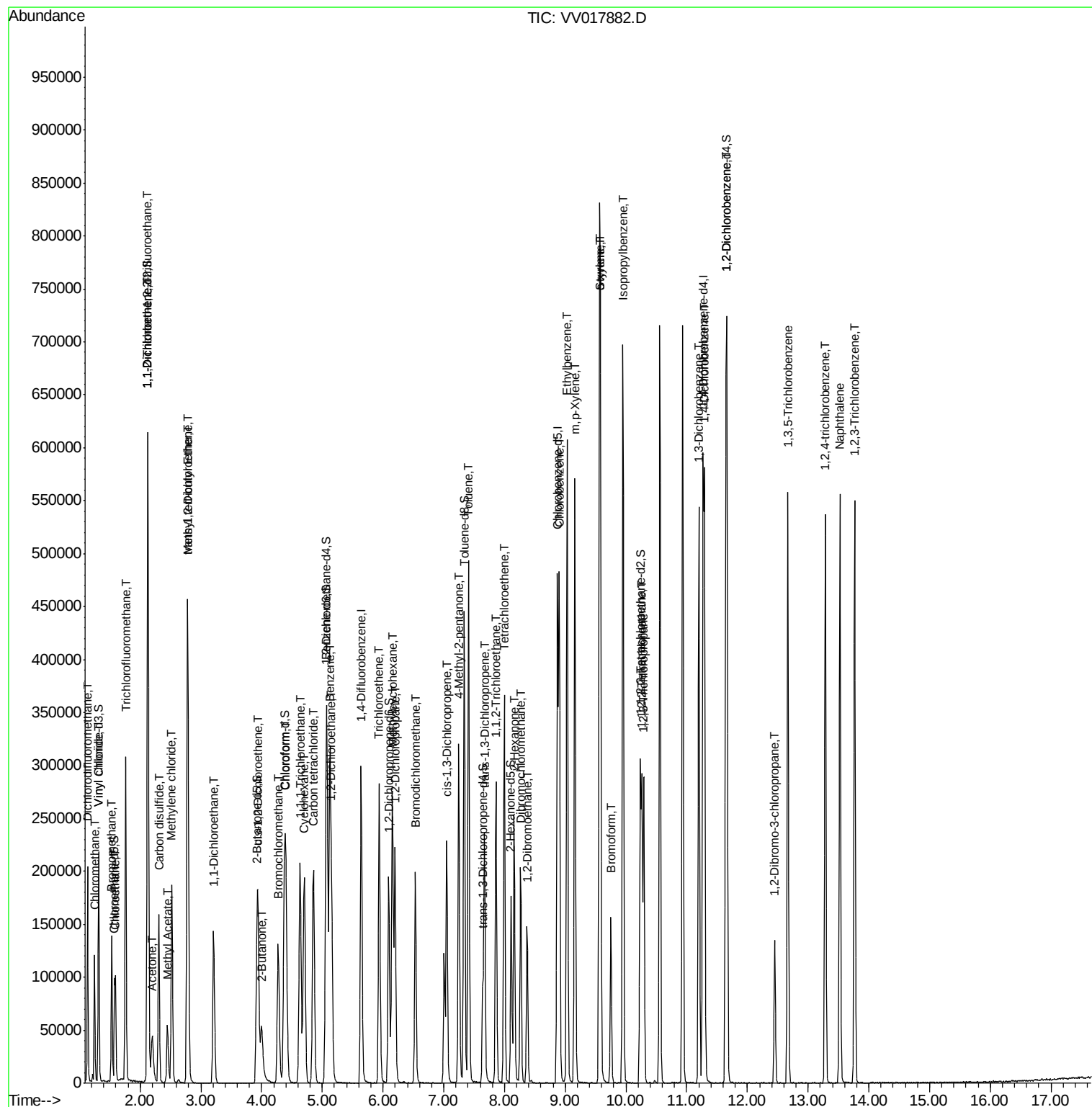
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53149	53.785	ug/L	97
25) Chloroform	4.40	83	168396	51.795	ug/L	99
27) 1,2-Dichloroethane	5.15	62	152631	52.002	ug/L	98
29) Cyclohexane	4.70	56	94478	48.188	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	174645	50.702	ug/L	100
31) Carbon tetrachloride	4.86	117	154936	50.390	ug/L	100
33) Benzene	5.13	78	298931	51.363	ug/L	100
34) Trichloroethene	5.94	95	88441	50.302	ug/L	96
35) Methylcyclohexane	6.15	83	117746	47.026	ug/L	97
37) 1,2-Dichloropropane	6.20	63	67135	52.747	ug/L	98
38) Bromodichloromethane	6.53	83	123678	53.512	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	120038	54.840	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	177527	106.915	ug/L	98
42) Toluene	7.41	91	344658	50.810	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	127474	55.412	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	81822	51.089	ug/L	95
46) Tetrachloroethene	8.00	164	82741	49.930	ug/L	97
48) 2-Hexanone	8.16	43	136901	98.479	ug/L	97
49) Dibromochloromethane	8.27	129	103586	58.112	ug/L	99
50) 1,2-Dibromoethane	8.37	107	90953	51.524	ug/L	97
51) Chlorobenzene	8.90	112	243995	51.705	ug/L	98
52) Ethylbenzene	9.03	91	400214	51.349	ug/L	100
53) m,p-Xylene	9.16	106	151930	50.149	ug/L	96
54) o-xylene	9.56	106	153336	51.536	ug/L	99
55) Styrene	9.58	104	268041	52.536	ug/L	98
56) Isopropylbenzene	9.95	105	421378	51.240	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	112417	52.114	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	102388	52.241	ug/L	100
61) Bromoform	9.75	173	69955	58.198	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	216653	50.664	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	213427	49.138	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	219352	50.417	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32061	56.300	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	172513	49.635	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	160472	52.716	ug/L	99
69) Naphthalene	13.52	128	426911	54.920	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	164385	53.498	ug/L	100

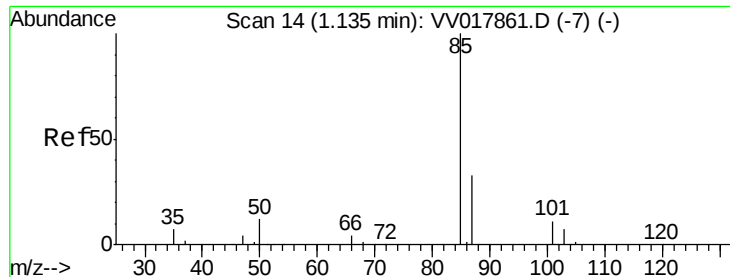
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#2

Dichlorodifluoromethane

Concen: 48.502 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

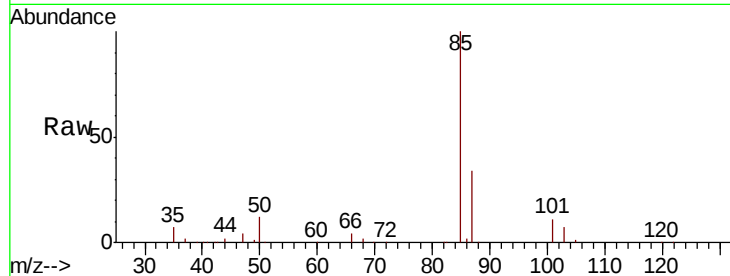
VSTD05094

Tot Ion: 85 Resp: 98198

Ion Ratio Lower Upper

85 100

87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017882.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017882.D (-1) (-)

1.14

120000

100000

80000

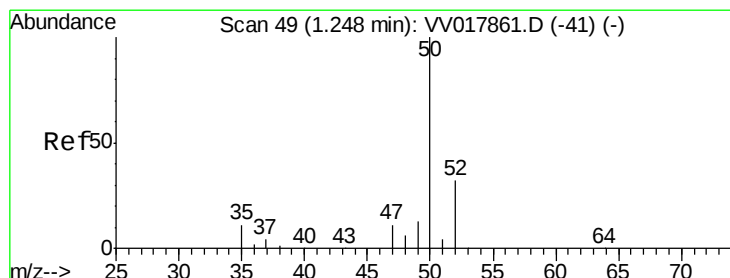
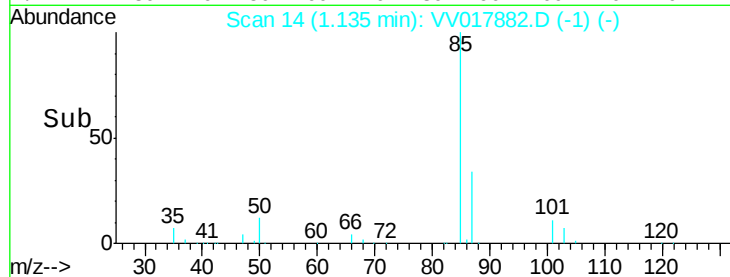
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.826 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017882.D

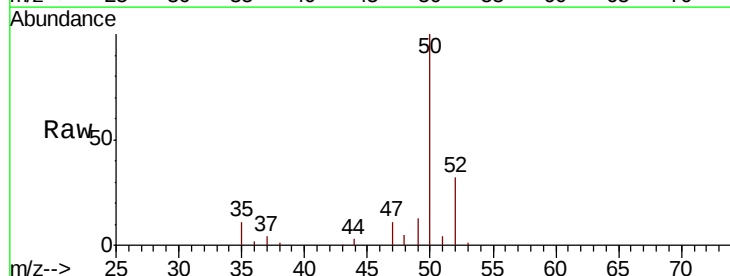
Acq: 09 Aug 2020 02:22

Tgt Ion: 50 Resp: 63821

Ion Ratio Lower Upper

50 100

52 31.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017882.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017882.D (-1) (-)

1.25

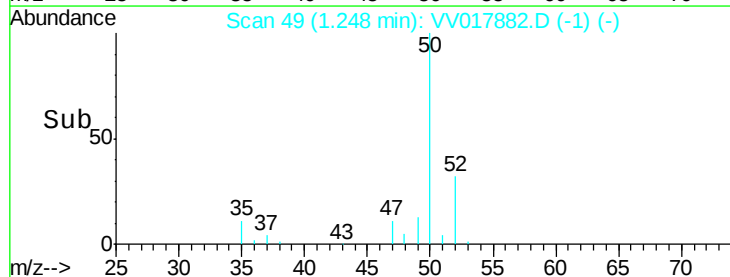
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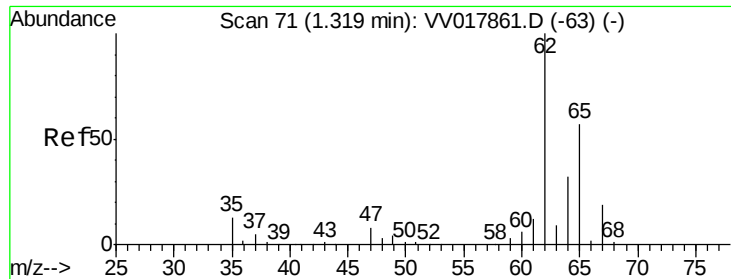
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 49.244 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

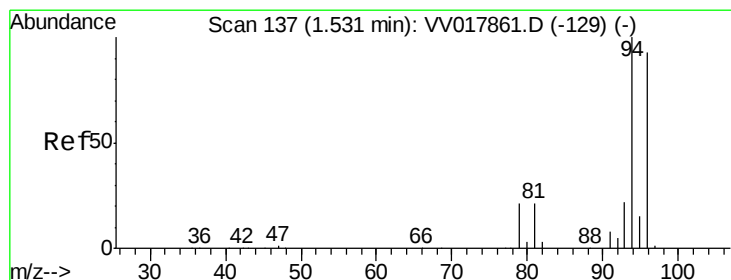
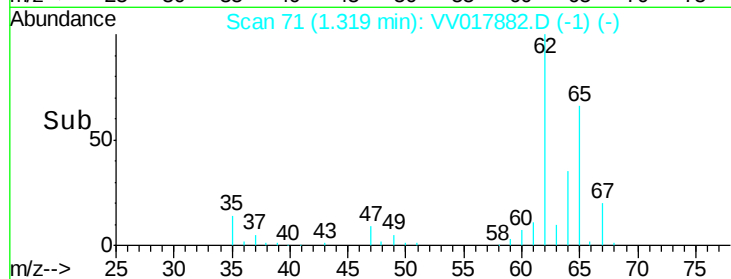
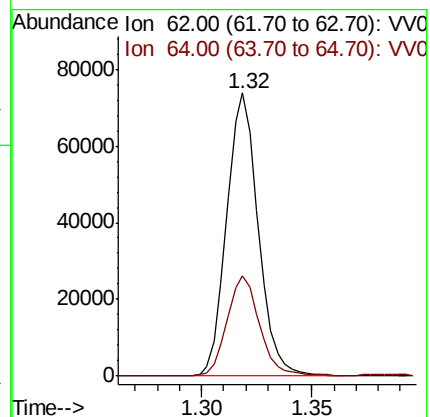
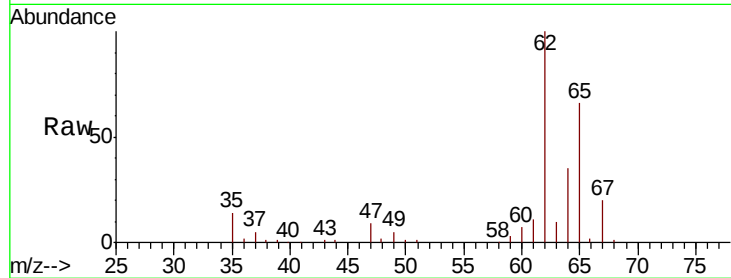
VSTD05094

Tot Ion: 62 Resp: 73268

Ion Ratio Lower Upper

62 100

64 35.4 24.0 44.6



#6

Bromomethane

Concen: 50.965 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017882.D

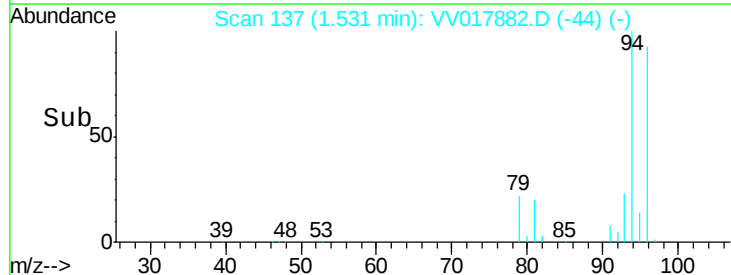
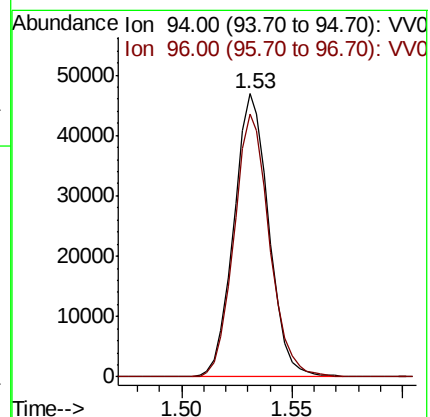
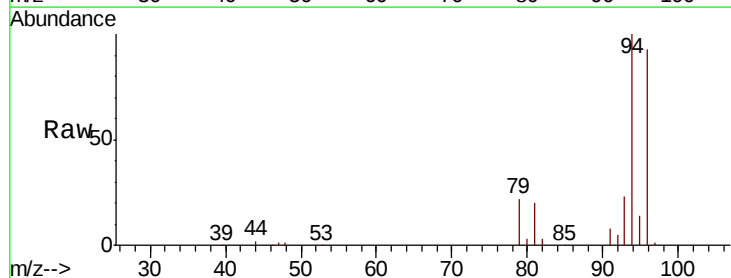
Acq: 09 Aug 2020 02:22

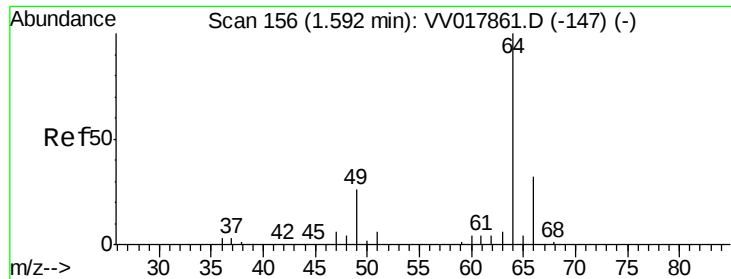
Tgt Ion: 94 Resp: 51580

Ion Ratio Lower Upper

94 100

96 92.7 67.5 125.3

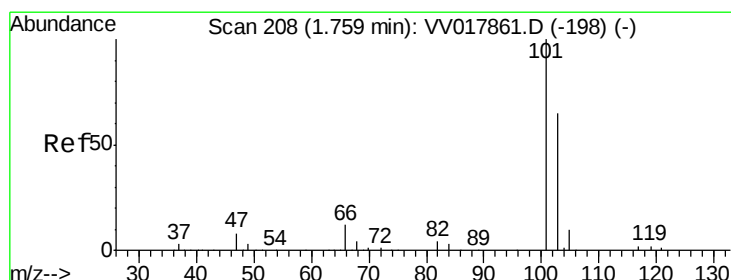
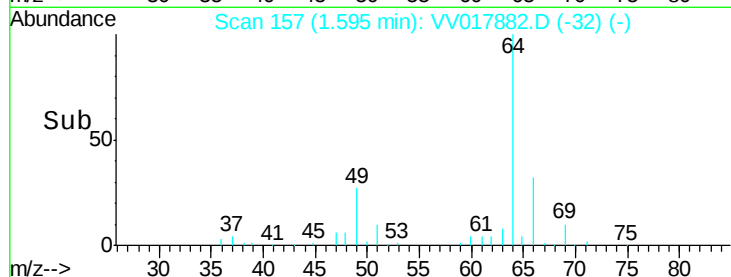
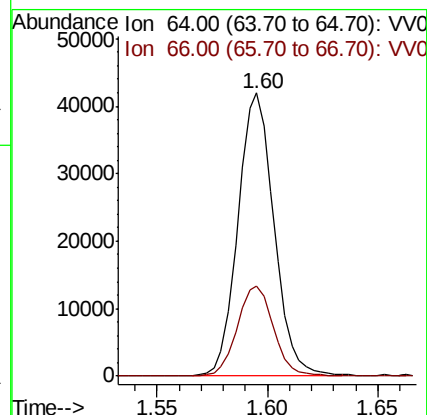
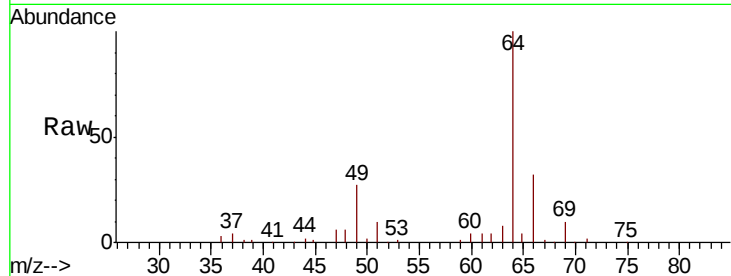




#8
Chloroethane
Concen: 51.040 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

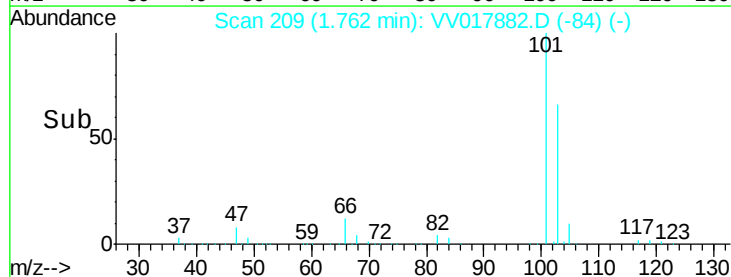
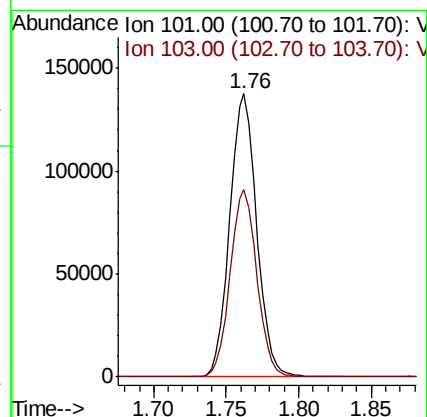
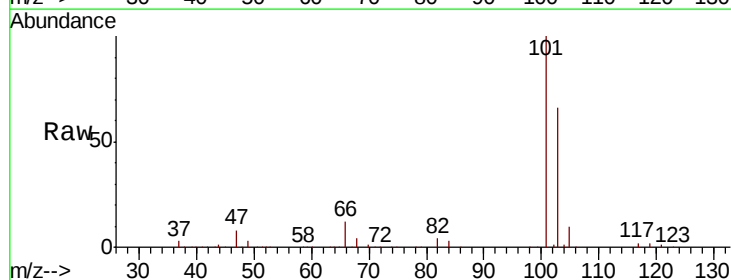
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

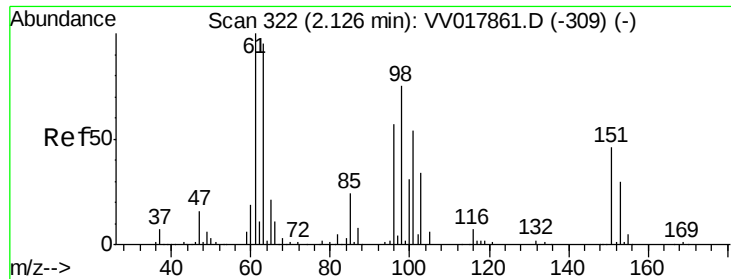
Tot Ion: 64 Resp: 47927
Ion Ratio Lower Upper
64 100
66 32.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.293 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Tgt Ion: 101 Resp: 176838
Ion Ratio Lower Upper
101 100
103 65.6 53.2 79.8





#10

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

Concen: 46.846 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

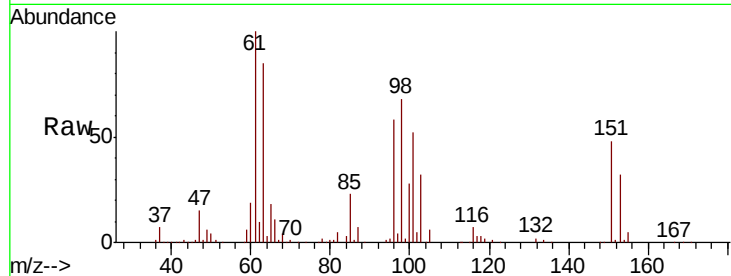
Tot Ion:101 Resp: 76214

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.6

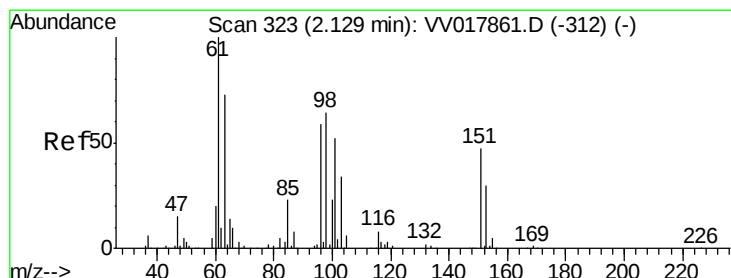
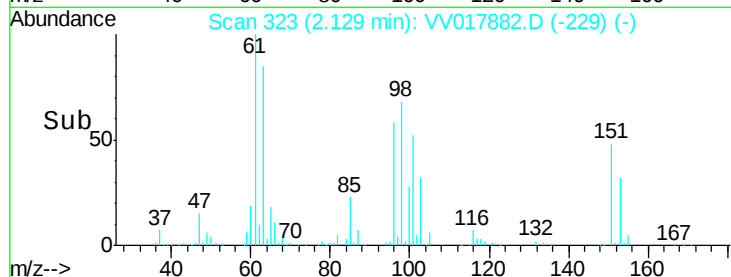
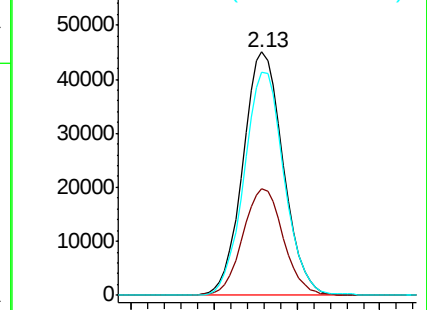
151 91.2 71.0 106.6



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: 48.012 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

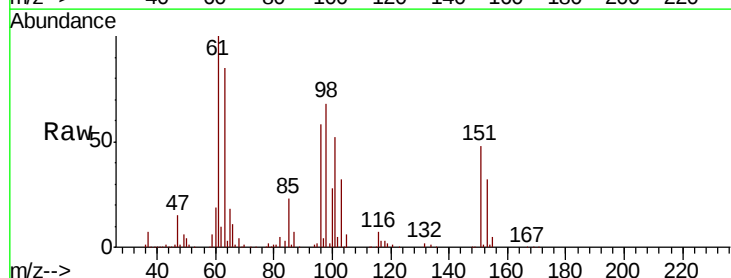
Tgt Ion: 96 Resp: 72028

Ion Ratio Lower Upper

96 100

61 172.6 121.1 224.9

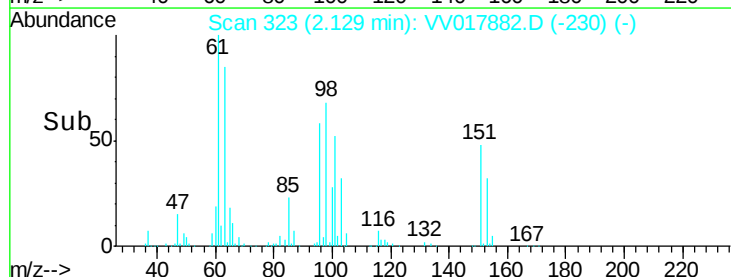
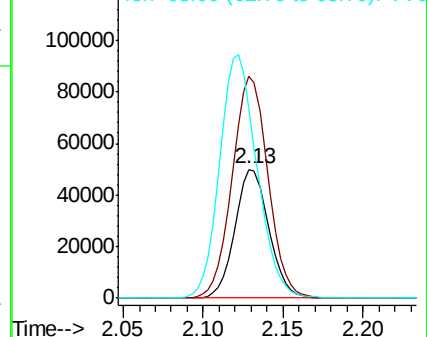
63 147.5 98.1 182.1

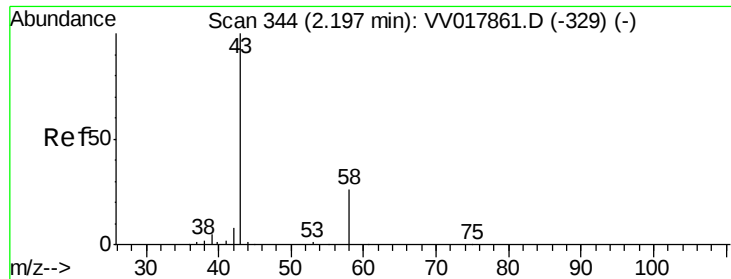


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 67.726 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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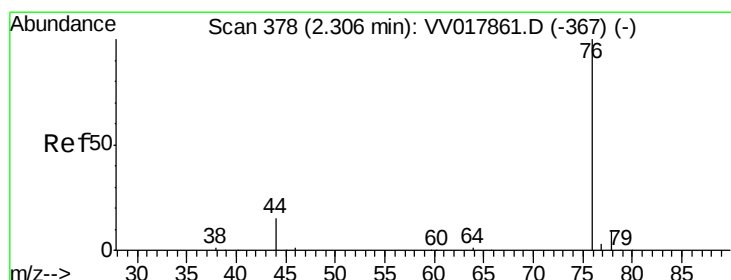
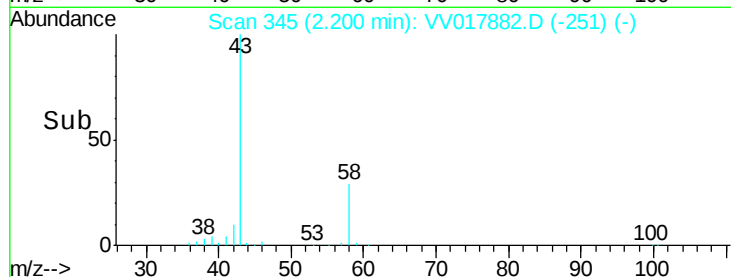
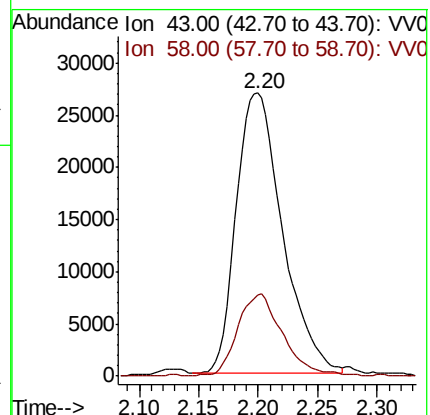
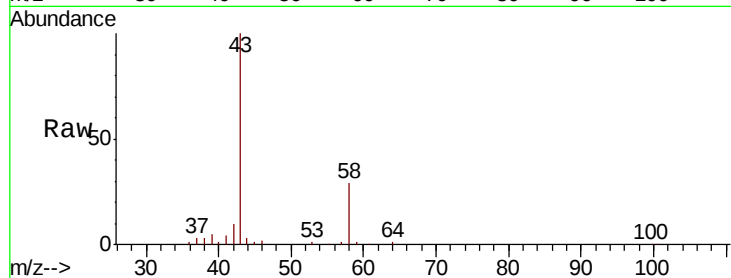
VSTD05094

Tot Ion: 43 Resp: 72576

Ion Ratio Lower Upper

43 100

58 26.9 0.0 54.8



#14

Carbon disulfide

Concen: 52.341 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017882.D

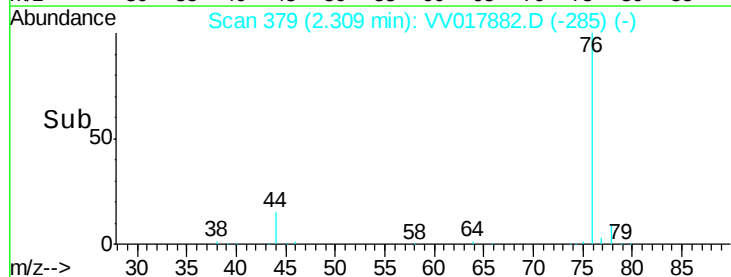
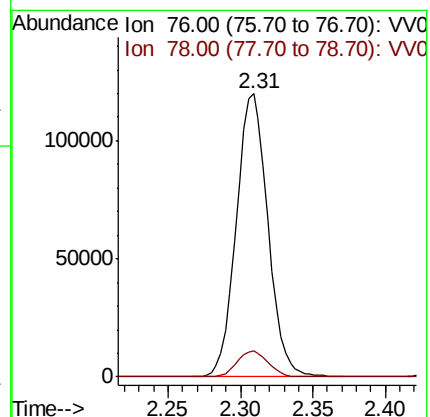
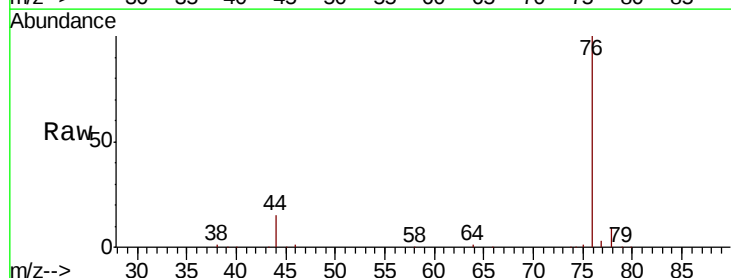
Acq: 09 Aug 2020 02:22

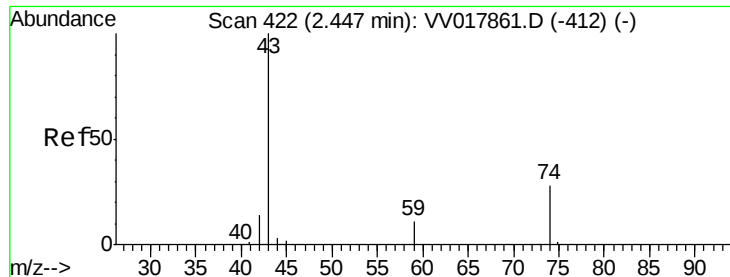
Tgt Ion: 76 Resp: 180978

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methvl Acetate

Concen: 50.894 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

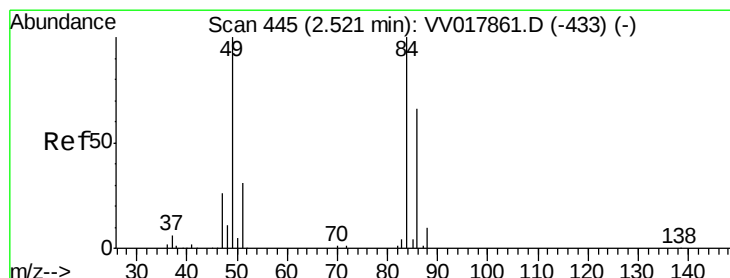
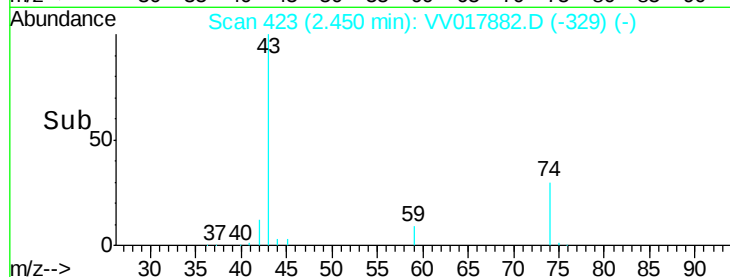
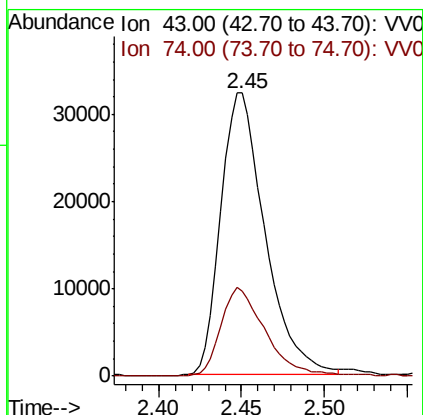
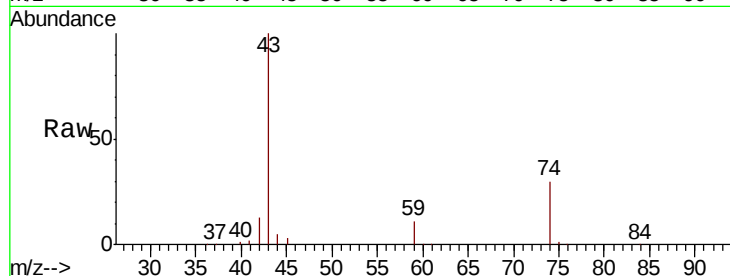
VSTD05094

Tot Ion: 43 Resp: 60151

Ion Ratio Lower Upper

43 100

74 31.6 23.0 34.6



#16

Methylene chloride

Concen: 50.997 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

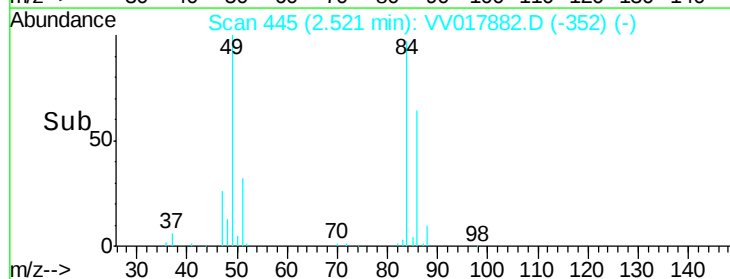
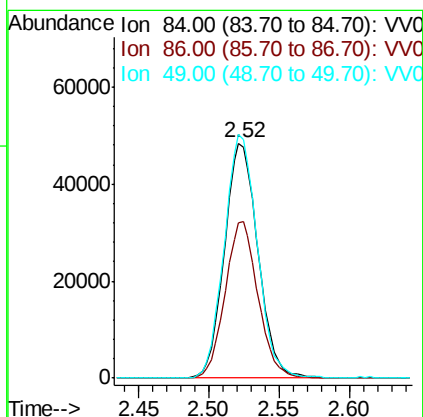
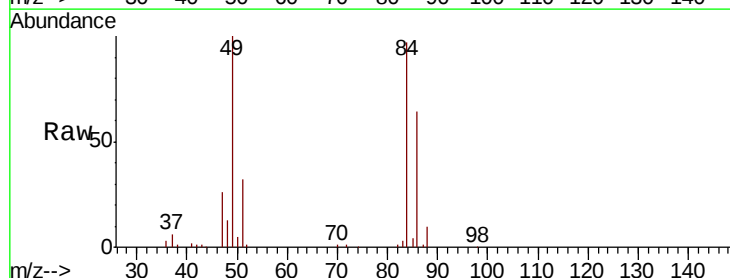
Tgt Ion: 84 Resp: 80444

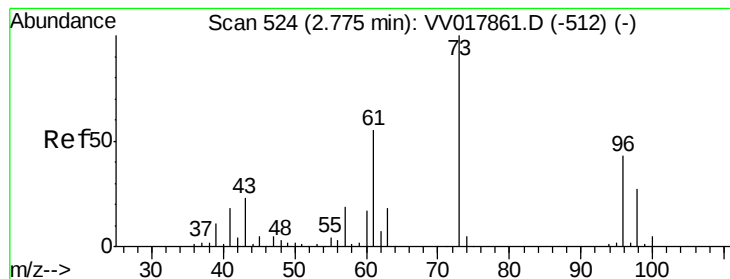
Ion Ratio Lower Upper

84 100

86 65.8 46.2 85.8

49 103.6 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 49.835 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampled :

VSTD05094

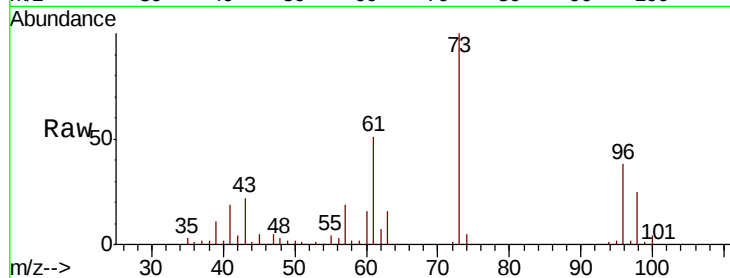
Tot Ion: 96 Resp: 76307

Ion Ratio Lower Upper

96 100

61 134.0 92.4 171.6

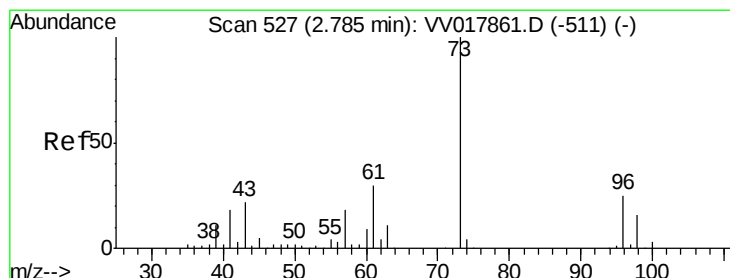
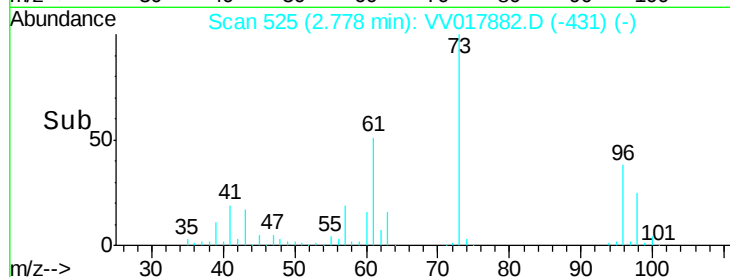
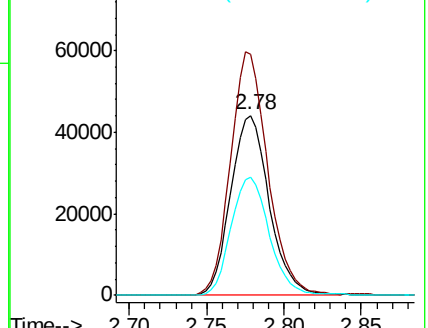
98 65.5 47.5 88.1



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: 52.541 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

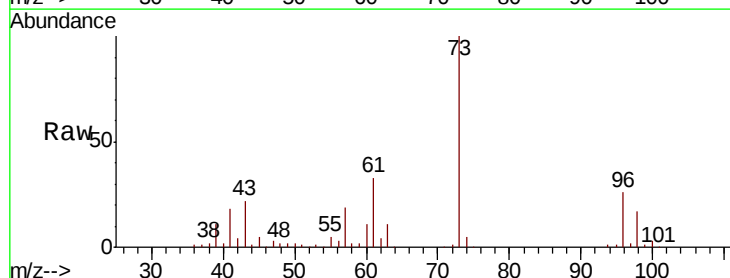
Tgt Ion: 73 Resp: 276969

Ion Ratio Lower Upper

73 100

43 22.2 18.1 27.1

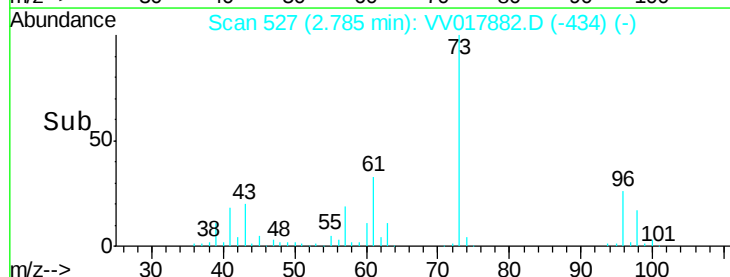
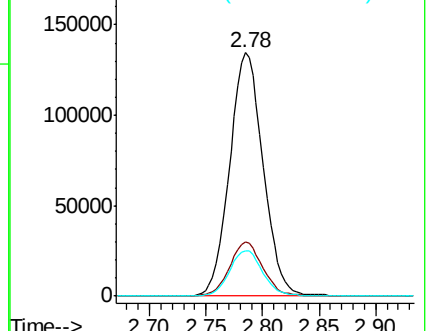
57 18.6 14.5 21.7

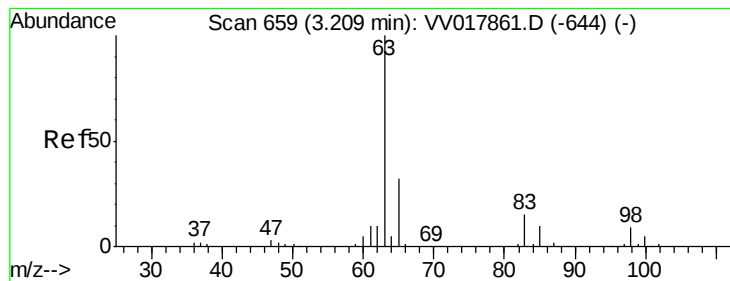


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 52.381 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

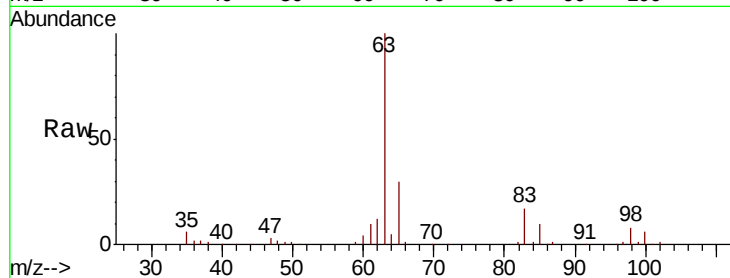
Tot Ion: 63 Resp: 132366

Ion Ratio Lower Upper

63 100

65 30.1 23.4 43.6

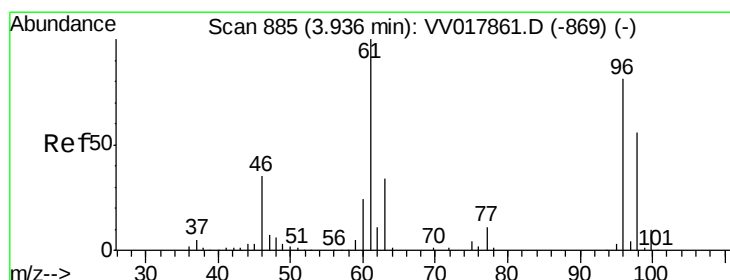
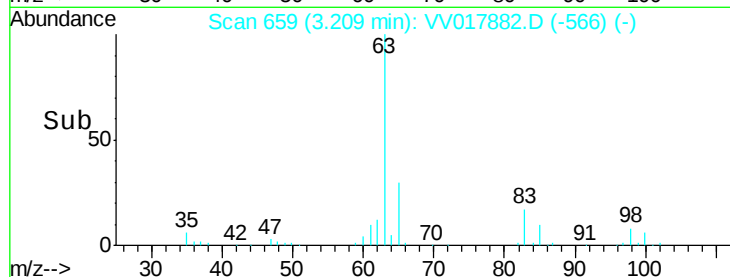
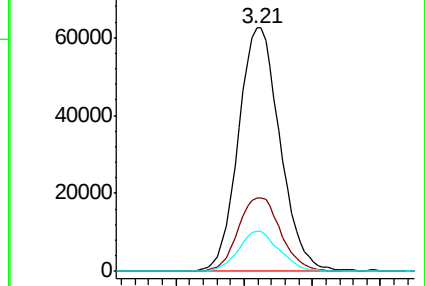
83 16.6 11.5 21.5



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: 52.830 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

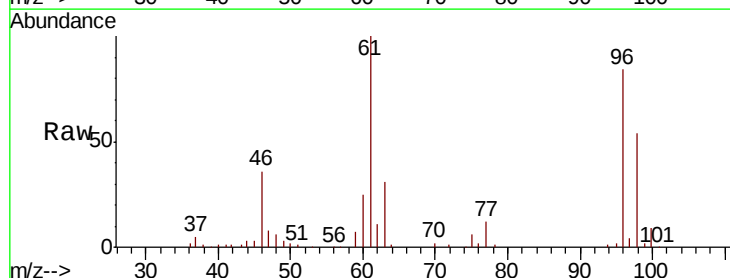
Tgt Ion: 96 Resp: 87367

Ion Ratio Lower Upper

96 100

61 119.7 84.4 156.8

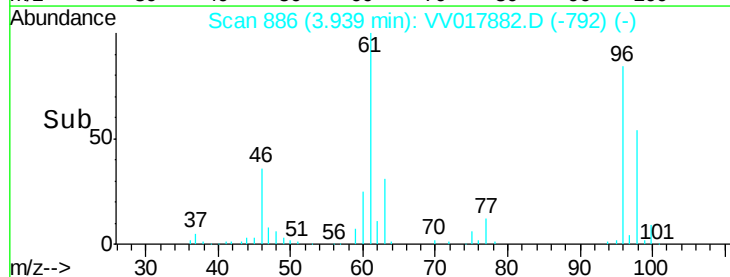
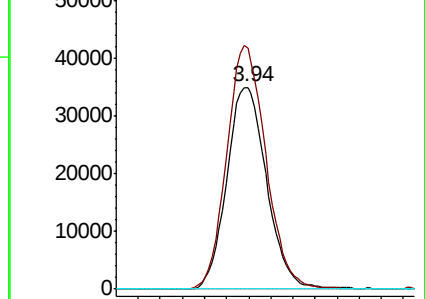
68 0.0 0.0 0.0

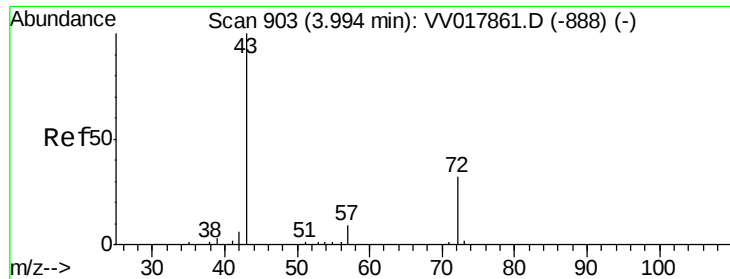


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 94.839 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

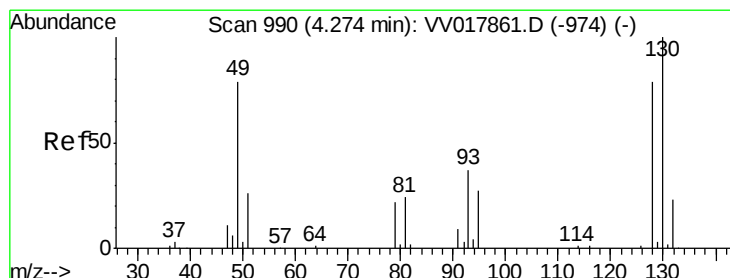
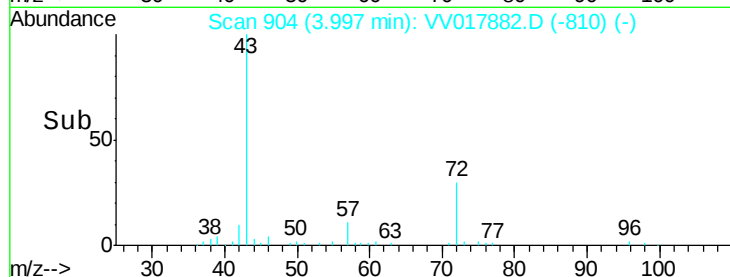
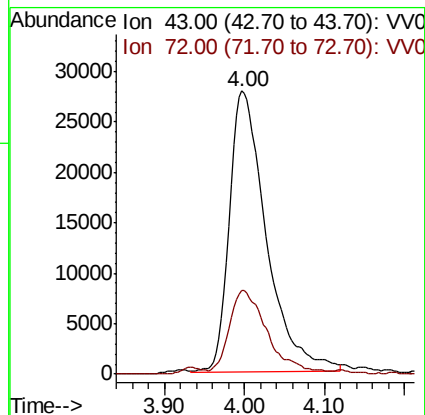
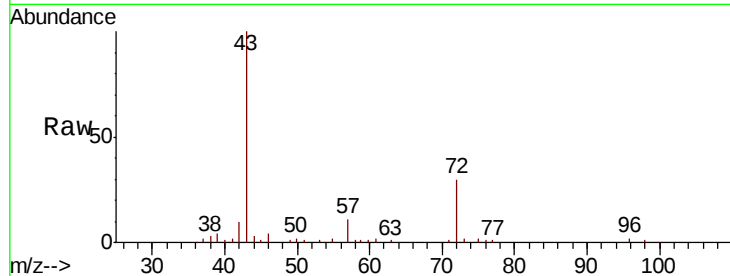
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion: 43 Resp: 88228

Ion Ratio Lower Upper

43 100

72 28.2 14.9 44.7



#23

Bromochloromethane

Concen: 53.785 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Tgt Ion:128 Resp: 53149

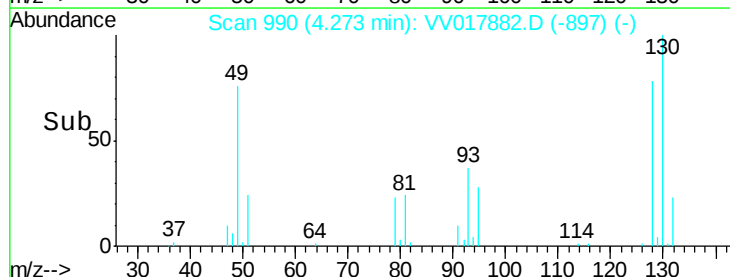
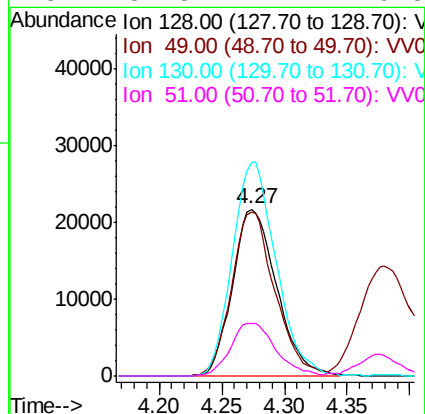
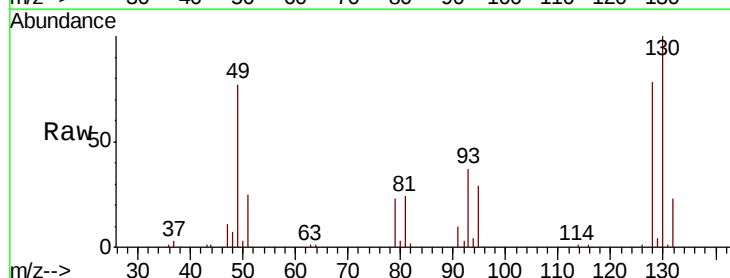
Ion Ratio Lower Upper

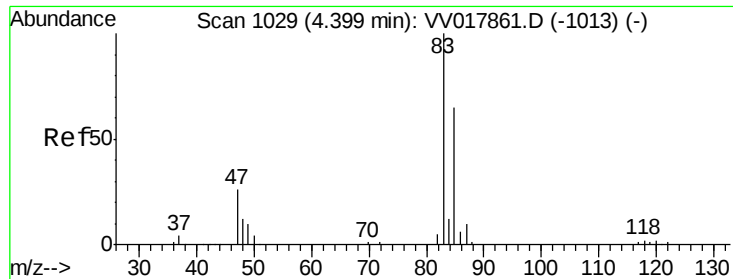
128 100

49 98.3 73.7 136.9

130 127.9 89.3 165.9

51 31.8 27.2 40.8

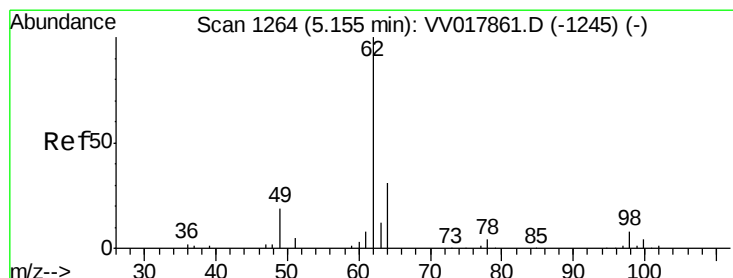
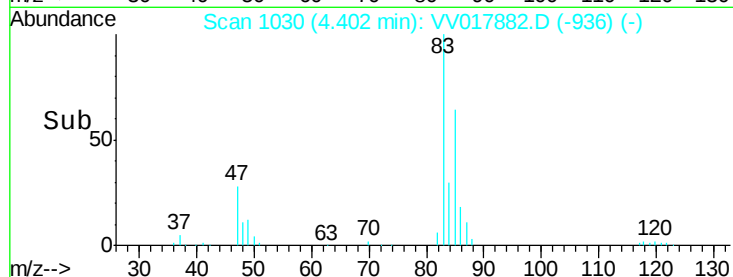
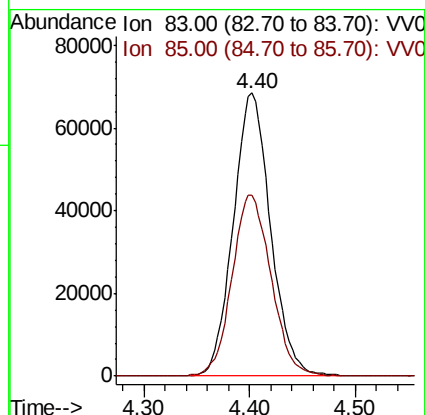
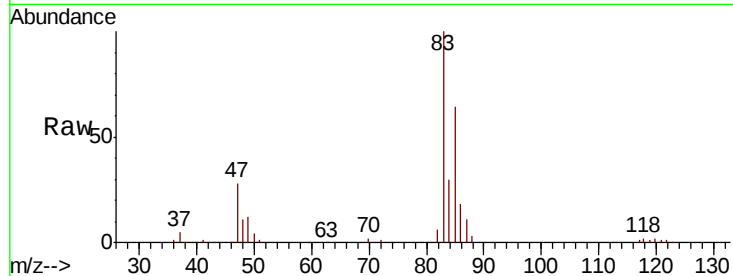




#25
Chloroform
Concen: 51.795 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

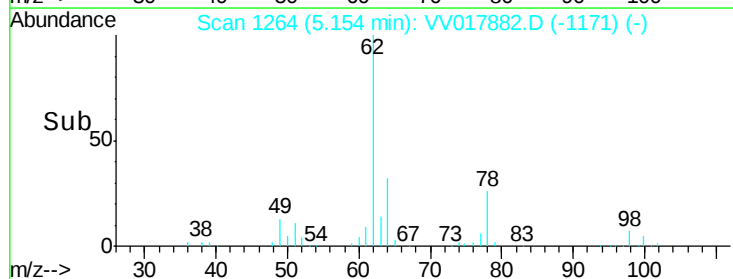
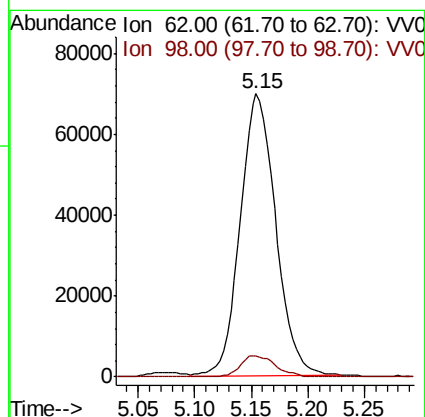
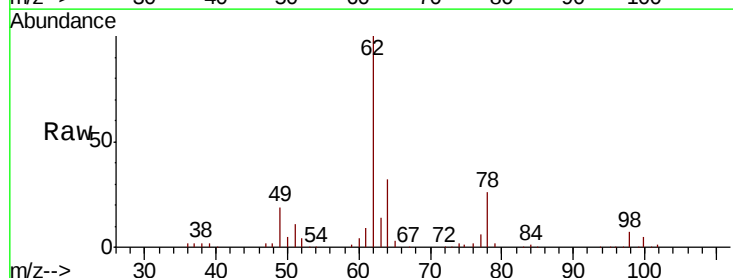
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

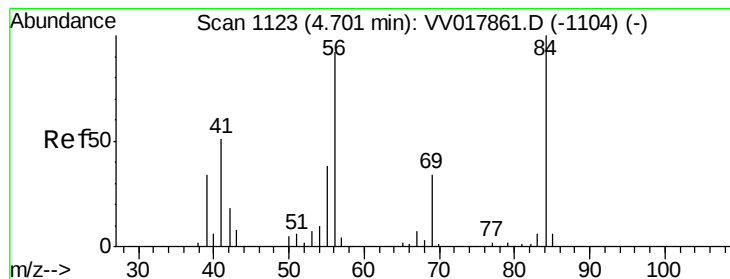
Tot Ion: 83 Resp: 168396
Ion Ratio Lower Upper
83 100
85 63.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 52.002 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Tgt Ion: 62 Resp: 152631
Ion Ratio Lower Upper
62 100
98 7.2 6.2 9.4





#29

Cyclohexane

Concen: 48.188 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

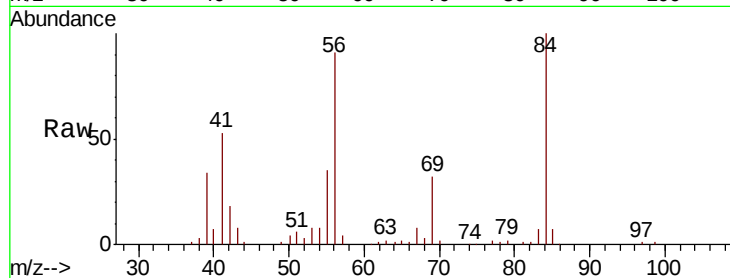
Tot Ion: 56 Resp: 94478

Ion Ratio Lower Upper

56 100

69 34.3 29.6 44.4

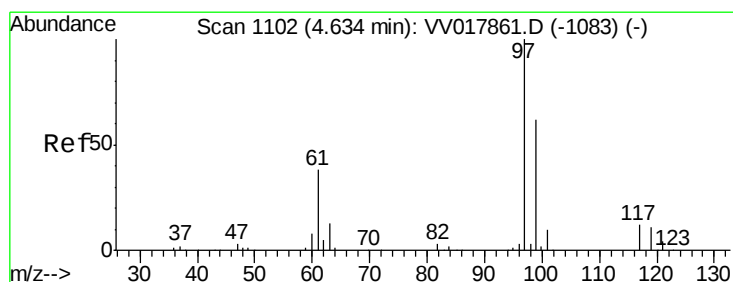
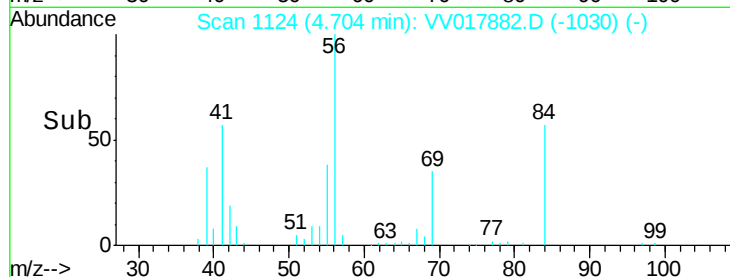
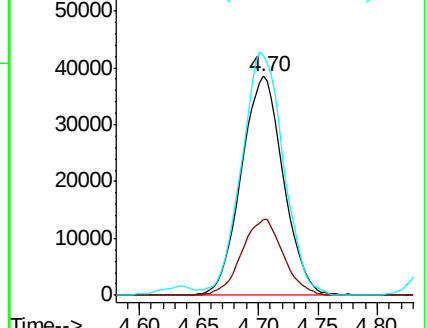
84 111.3 88.5 132.7



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: 50.702 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

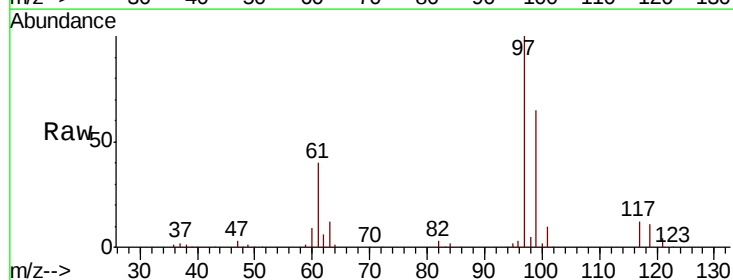
Tgt Ion: 97 Resp: 174645

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

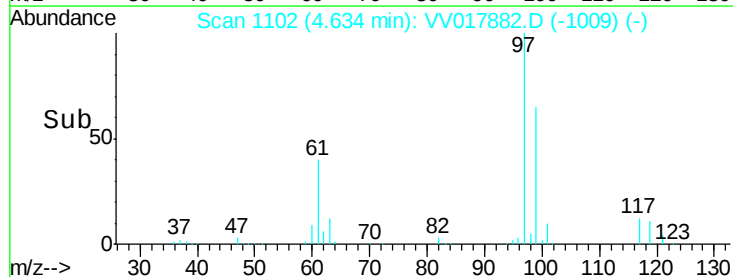
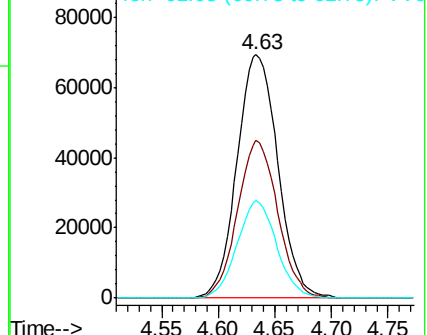
61 38.8 31.5 47.3

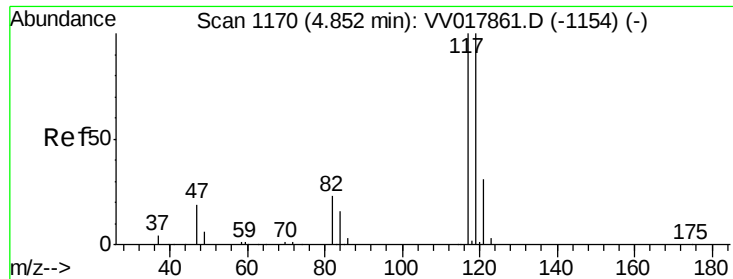


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.390 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

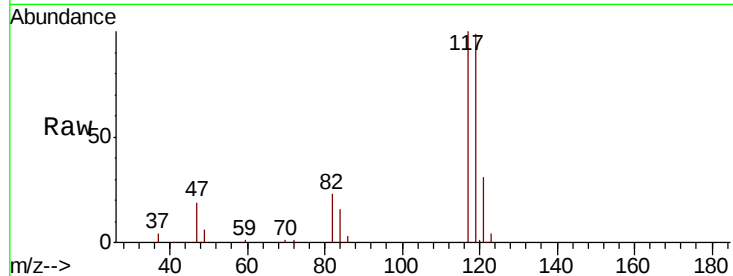
VSTD05094

Tot Ion:117 Resp: 154936

Ion Ratio Lower Upper

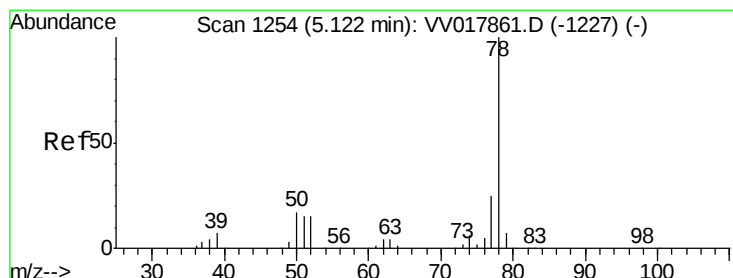
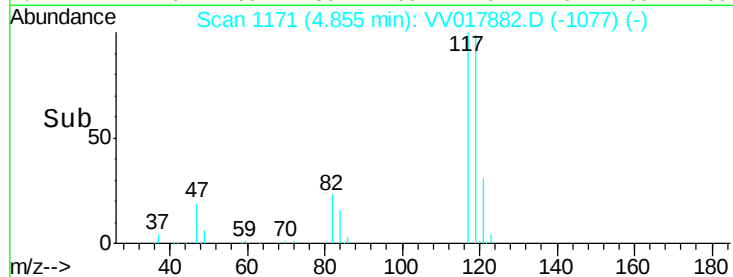
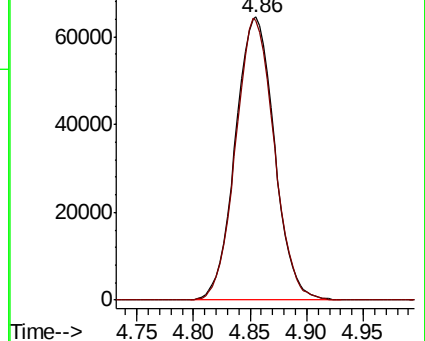
117 100

119 97.9 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.363 ug/L

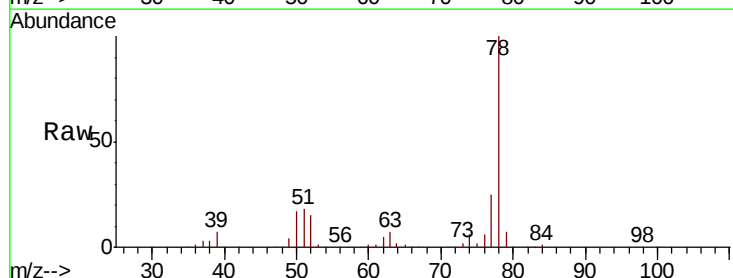
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

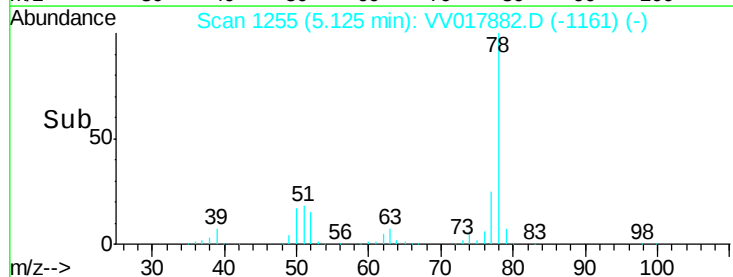
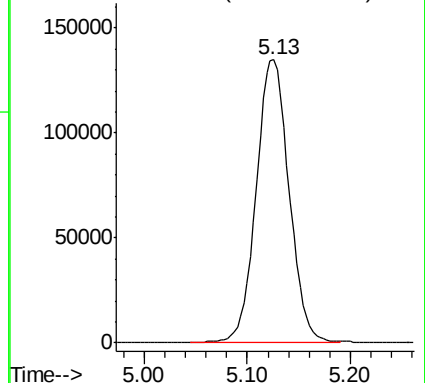
Lab File: VV017882.D

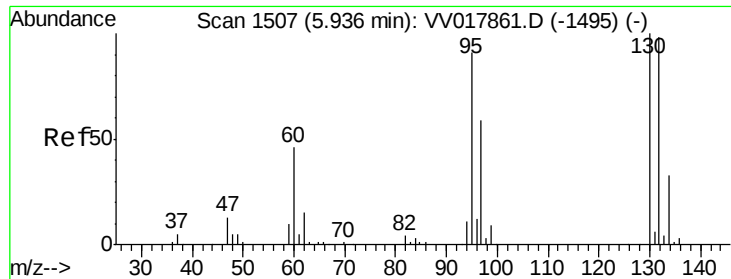
Acq: 09 Aug 2020 02:22

Tgt Ion: 78 Resp: 298931



Abundance Ion 78.00 (77.70 to 78.70): VV0

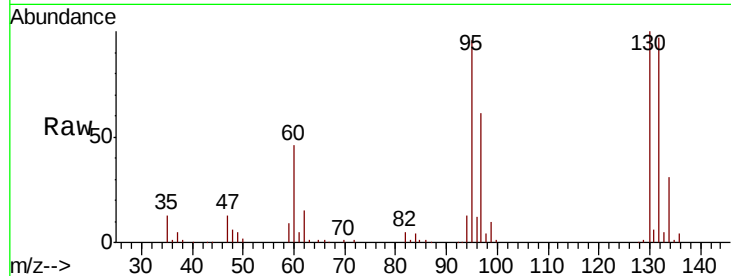




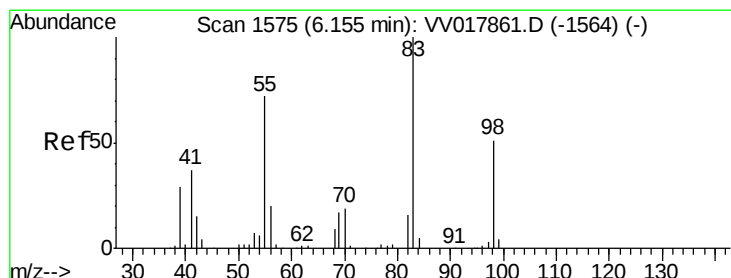
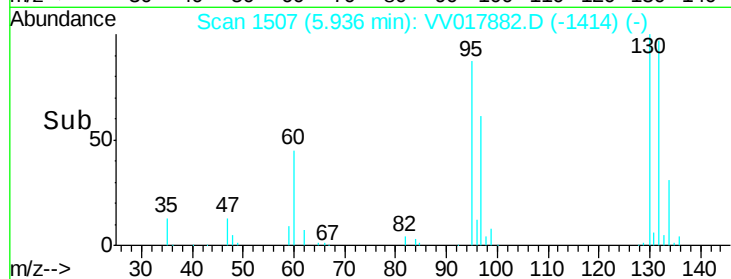
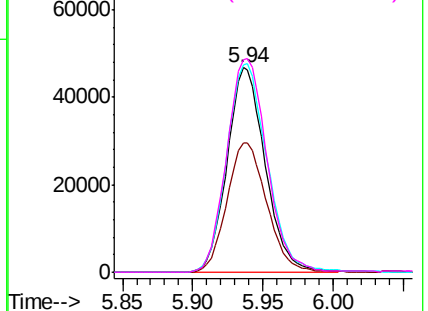
#34
 Trichloroethene
 Concen: 50.302 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05094

Tot Ion: 95 Resp: 88441
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.7 83.1
 132 101.5 73.6 136.8
 130 104.1 77.6 144.0

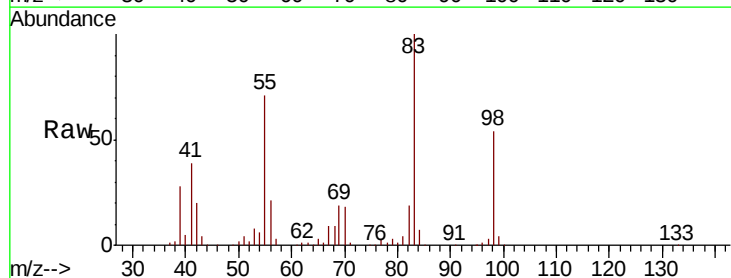


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

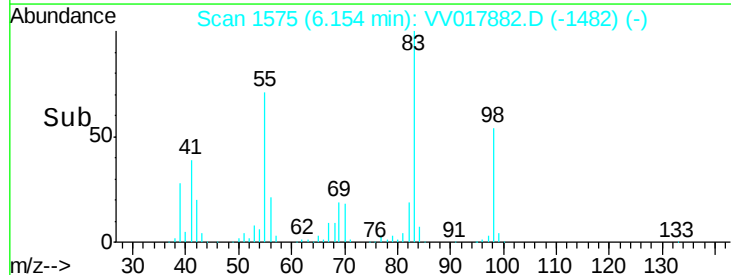
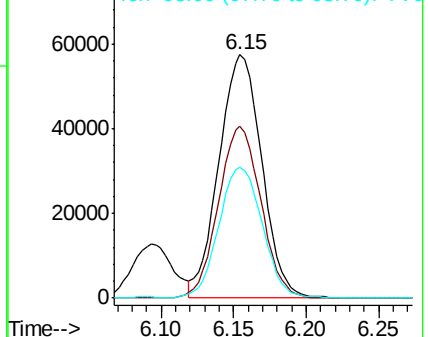


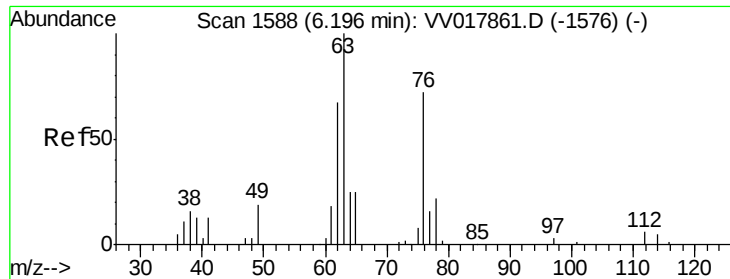
#35
 Methylcyclohexane
 Concen: 47.026 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

Tgt Ion: 83 Resp: 117746
 Ion Ratio Lower Upper
 83 100
 55 69.7 54.6 82.0
 98 54.6 41.1 61.7



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

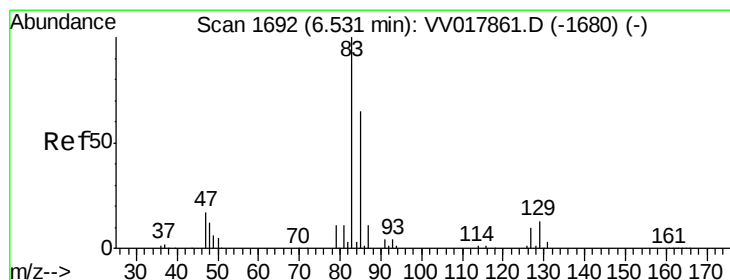
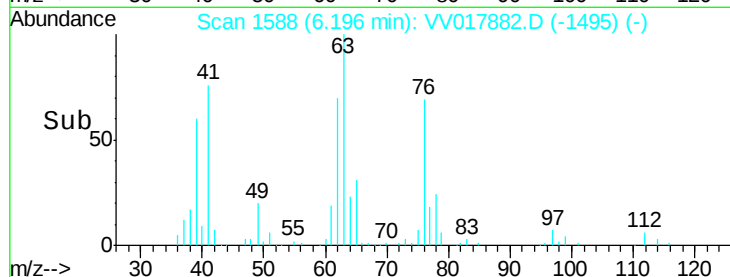
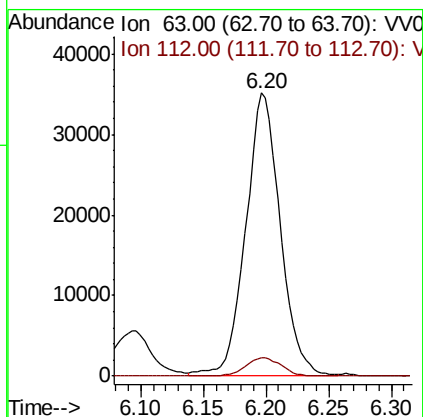
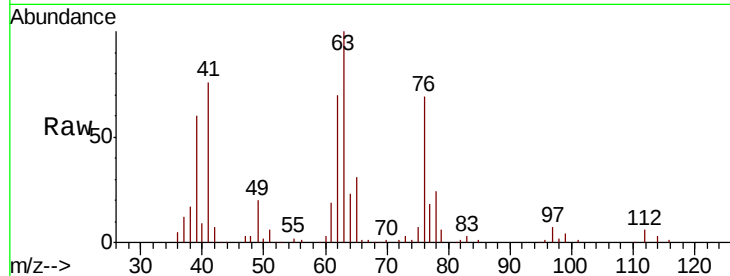




#37
 1,2-Dichloropropane
 Concen: 52.747 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

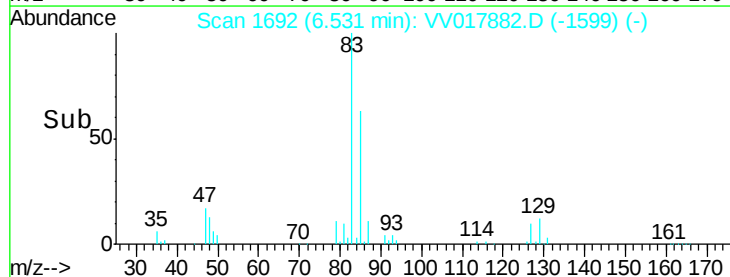
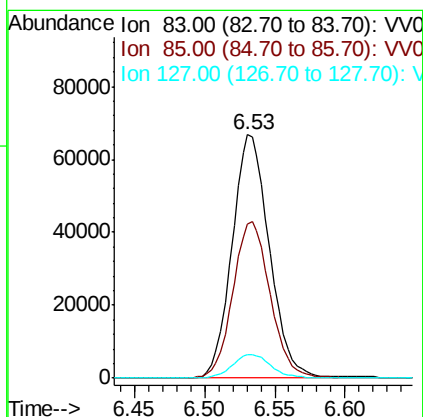
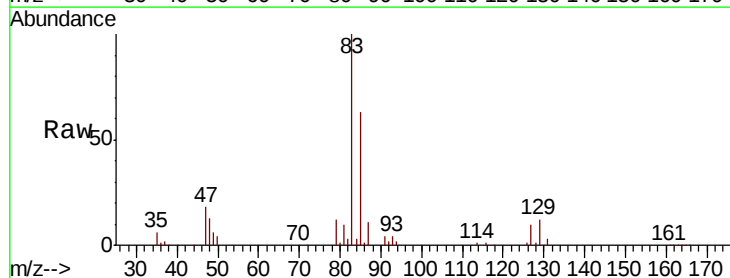
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

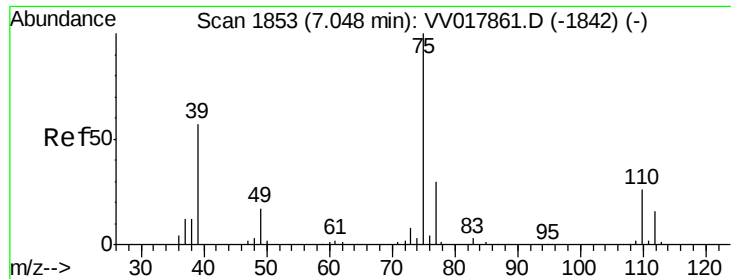
Tot Ion: 63 Resp: 67135
 Ion Ratio Lower Upper
 63 100
 112 6.6 5.8 8.6



#38
 Bromodichloromethane
 Concen: 53.512 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

Tgt Ion: 83 Resp: 123678
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.4 84.2
 127 9.8 7.8 11.8

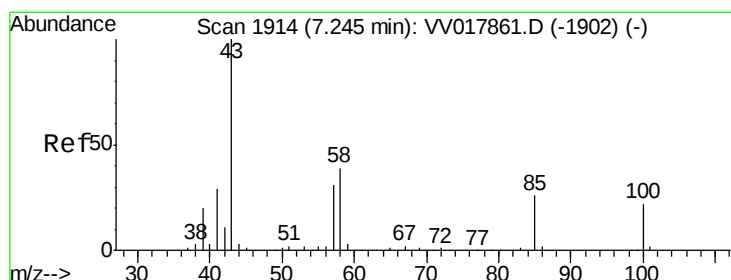
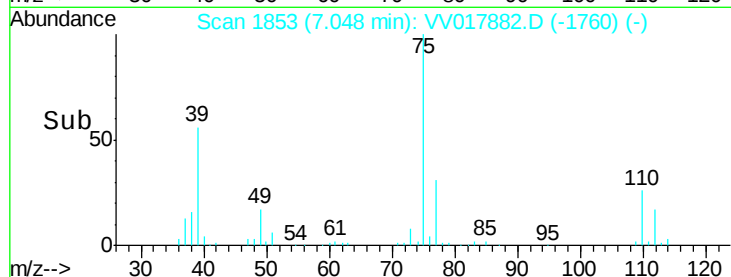
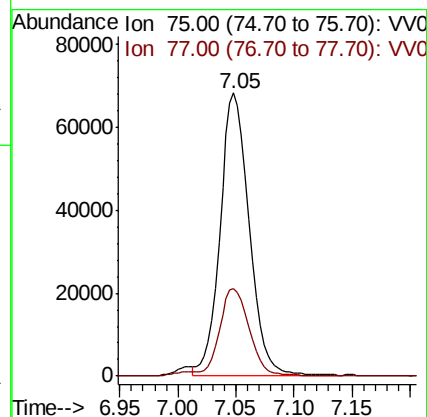
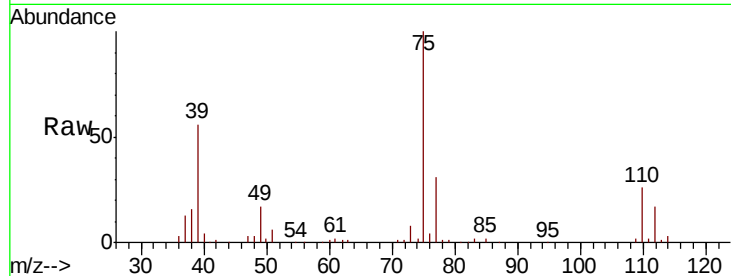




#39
 cis-1,3-Dichloropropene
 Concen: 54.840 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

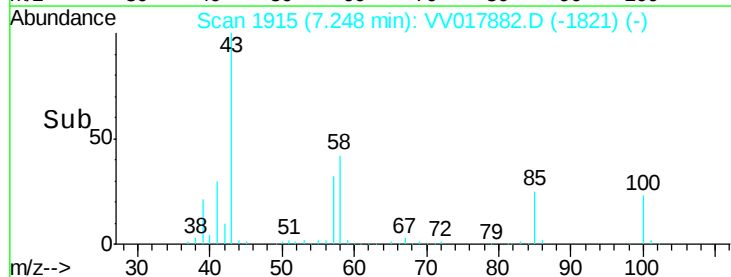
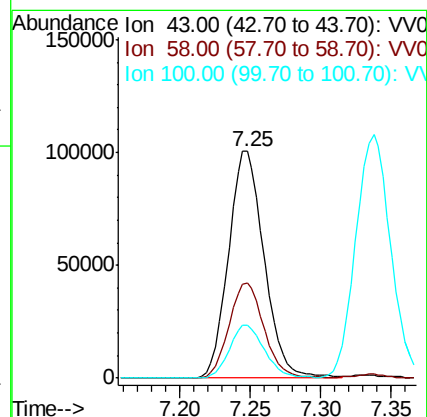
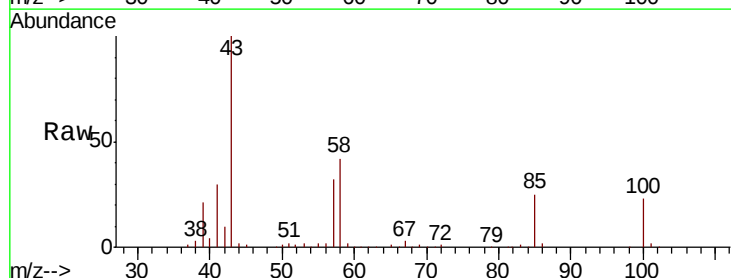
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

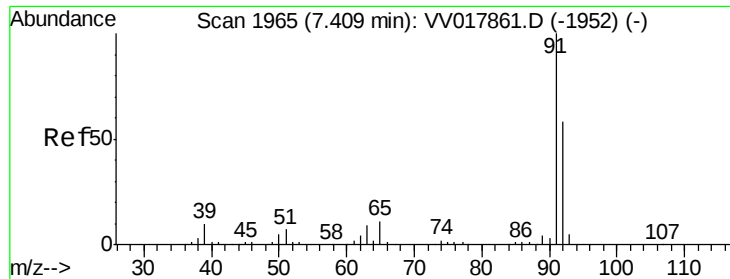
Tot Ion: 75 Resp: 120038
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.7 44.1



#40
 4-Methyl-2-pentanone
 Concen: 106.915 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

Tgt Ion: 43 Resp: 177527
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.3 48.5
 100 22.9 17.4 26.0





#42

Toluene

Concen: 50.810 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

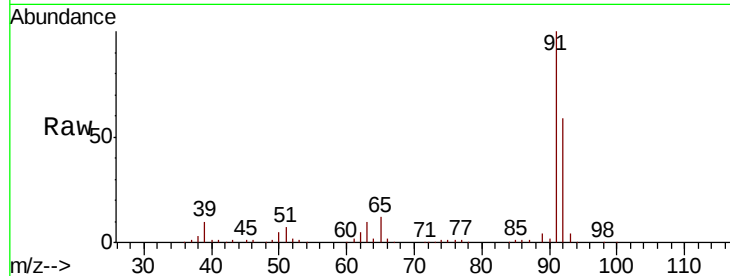
VSTD05094

Tot Ion: 91 Resp: 344658

Ion Ratio Lower Upper

91 100

92 58.6 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV017861.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017861.D (-1952) (-)

7.41

200000

150000

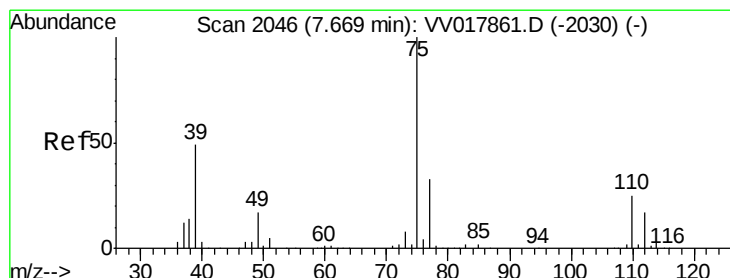
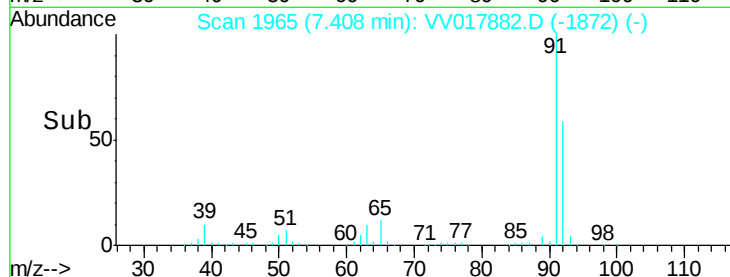
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.412 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017882.D

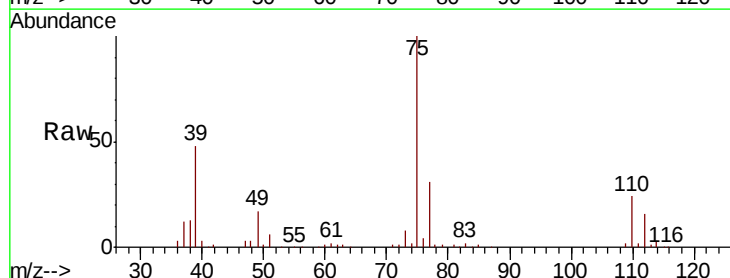
Acq: 09 Aug 2020 02:22

Tgt Ion: 75 Resp: 127474

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017861.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV017861.D (-2030) (-)

7.67

80000

60000

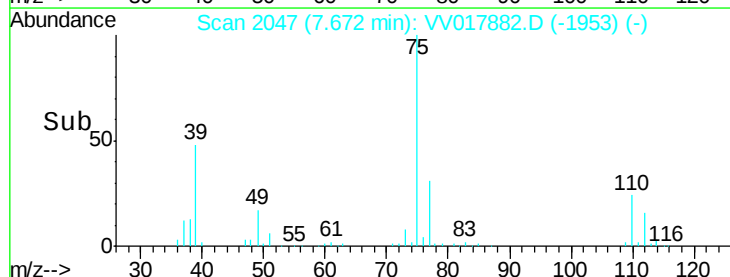
40000

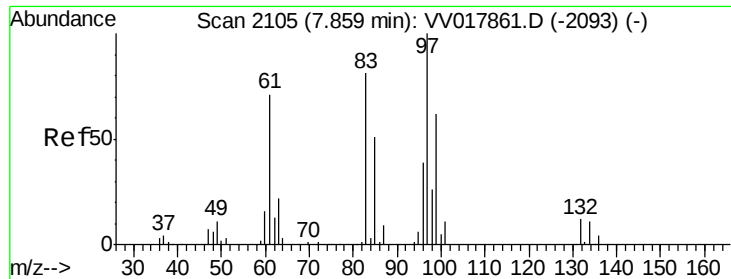
20000

0

7.60 7.65 7.70 7.75

Time-->

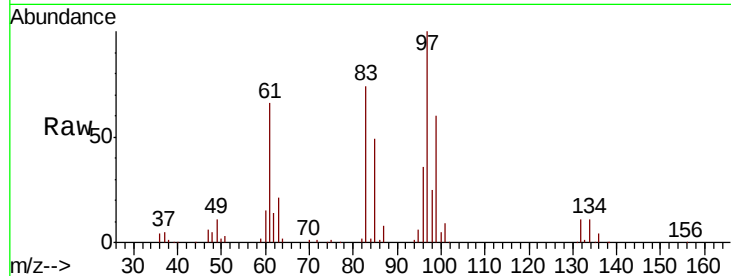




#45
 1,1,2-Trichloroethane
 Concen: 51.089 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

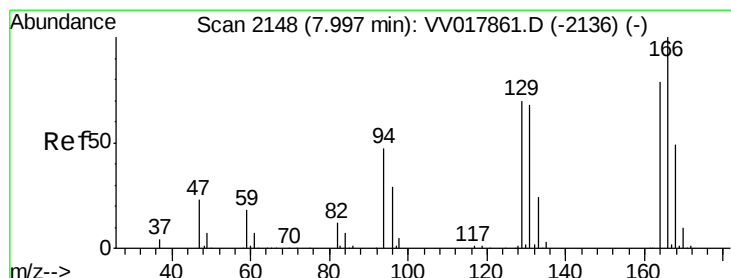
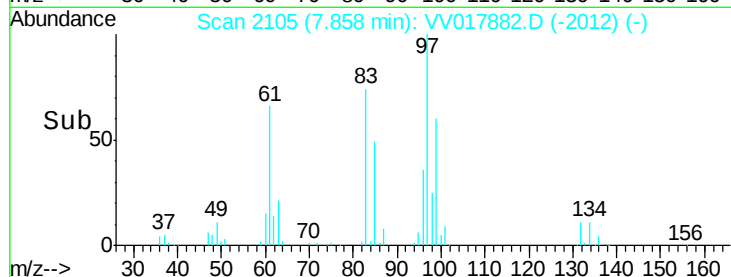
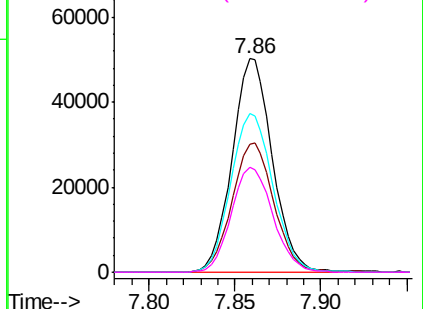
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion:	97	Resp:	81822
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.7	82.9
83	74.1	55.7	103.5
85	49.1	35.4	65.8



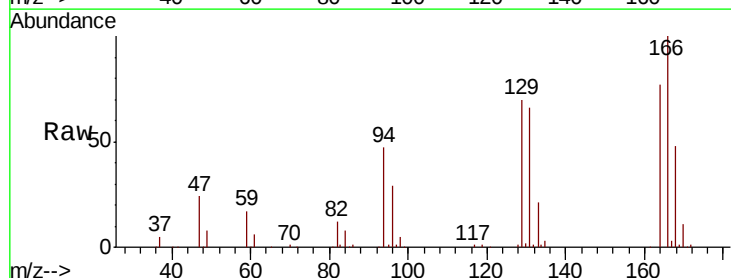
Abundance

Ion 97.00 (96.70 to 97.70): VV017882.D (-2012) (-)



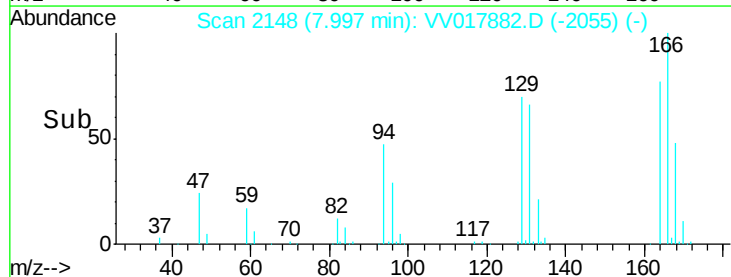
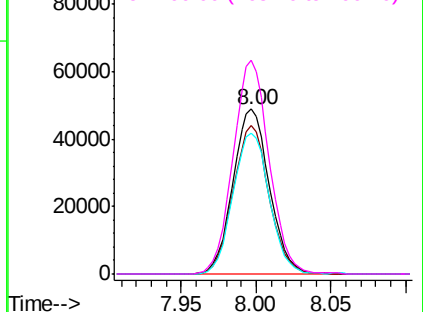
#46
 Tetrachloroethene
 Concen: 49.930 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

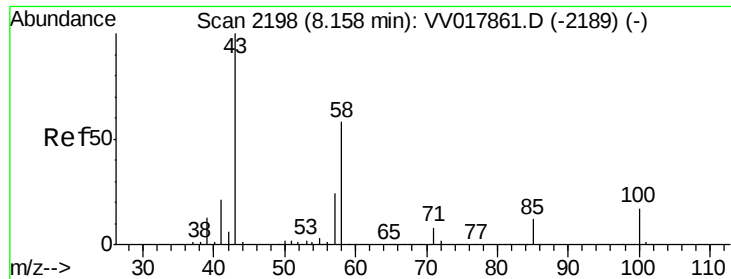
Tgt Ion:	164	Resp:	82741
Ion	Ratio	Lower	Upper
164	100		
129	90.3	61.6	114.4
131	85.7	59.6	110.8
166	129.6	87.2	161.9



Abundance

Ion 164.00 (163.70 to 164.70): VV017882.D (-2055) (-)

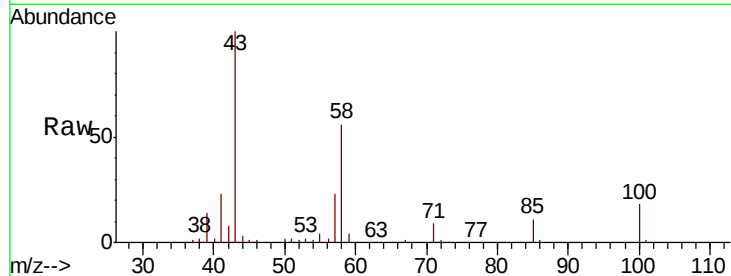




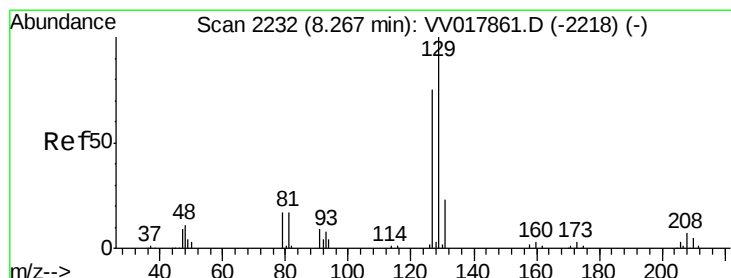
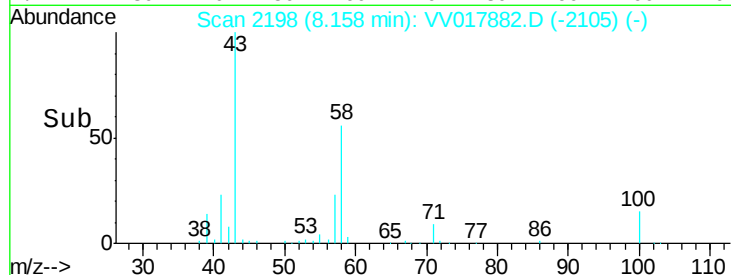
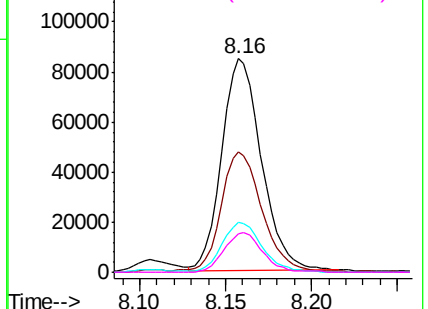
#48
2-Hexanone
Concen: 98.479 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:	43	Resp:	136901
Ion	Ratio	Lower	Upper
43	100		
58	58.0	43.8	65.8
57	23.8	18.0	27.0
100	17.9	13.8	20.8

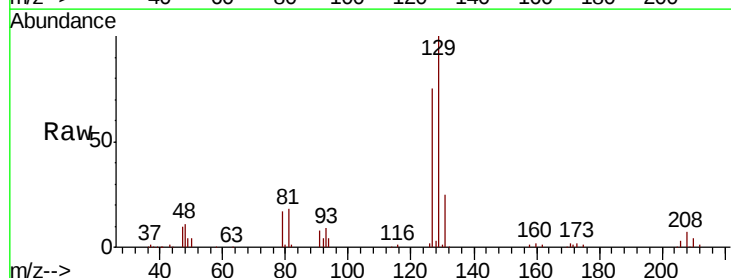


Abundance Ion 43.00 (42.70 to 43.70): VV017882.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017882.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017882.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017882.D (-2105) (-)

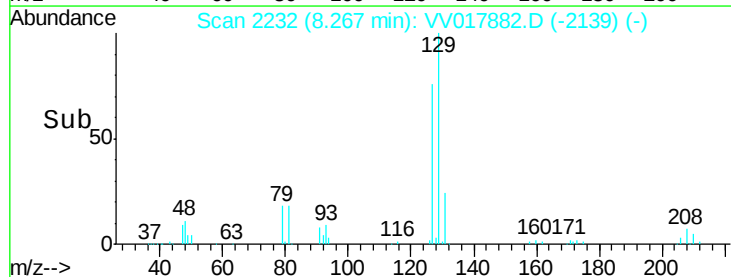
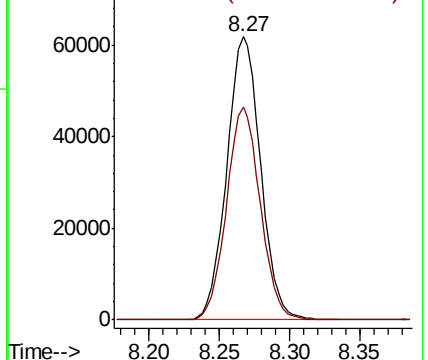


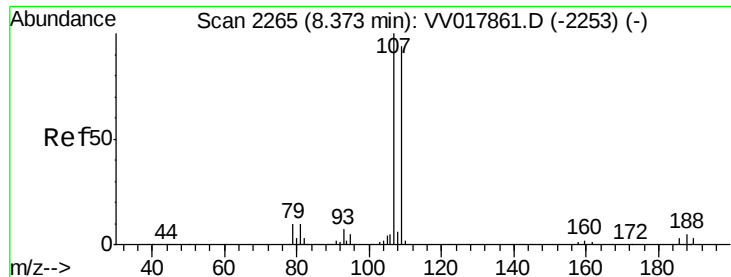
#49
Dibromochloromethane
Concen: 58.112 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Tgt Ion:	129	Resp:	103586
Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.1	98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017882.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017882.D (-2139) (-)

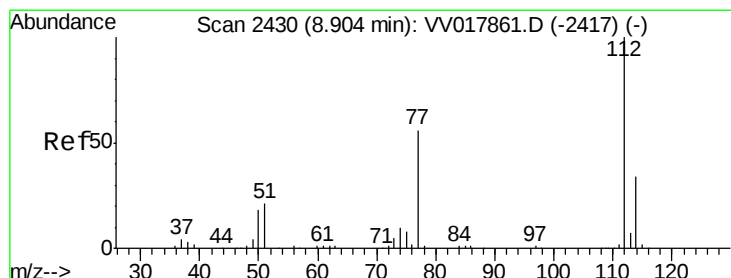
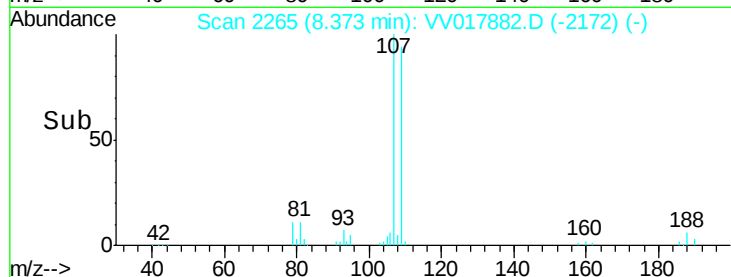
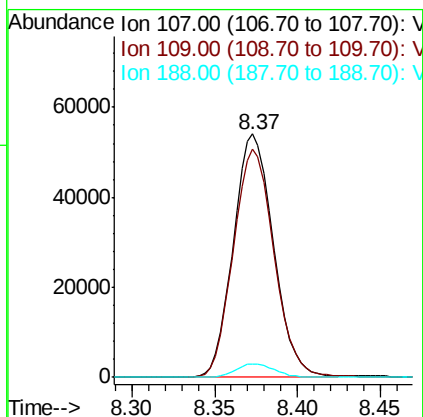
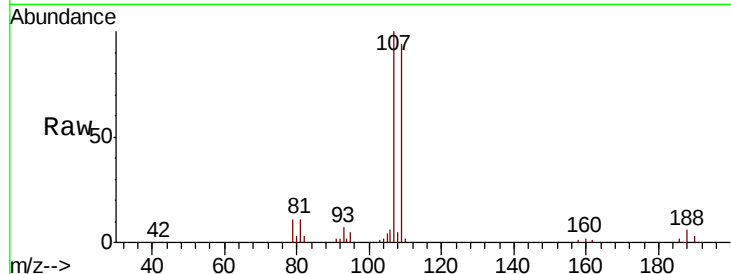




#50
1,2-Dibromoethane
Concen: 51.524 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

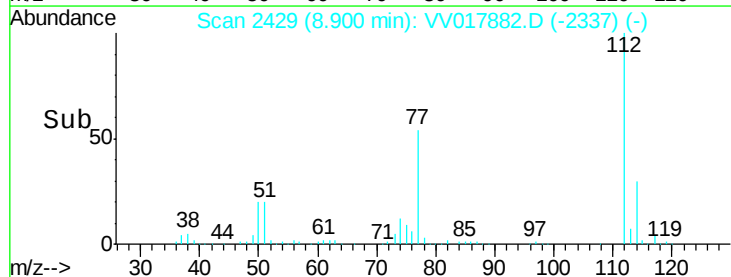
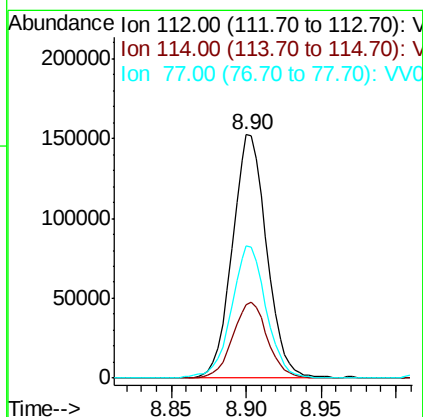
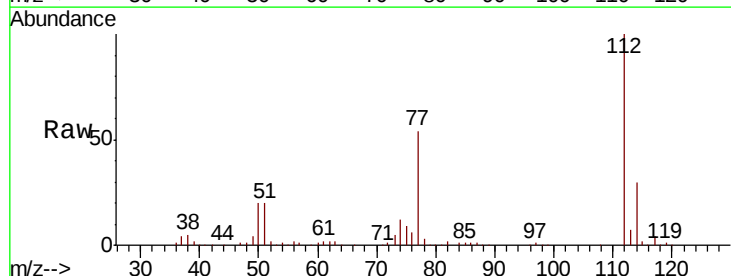
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

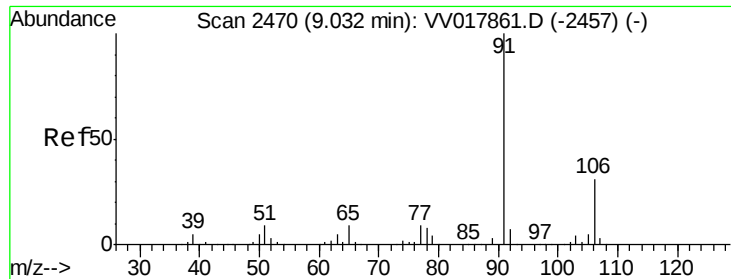
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	67.3	125.1
188	5.6	4.3	6.5



#51
Chlorobenzene
Concen: 51.705 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.4	41.6
77	54.4	42.7	64.1





#52

Ethylbenzene

Concen: 51.349 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleID :

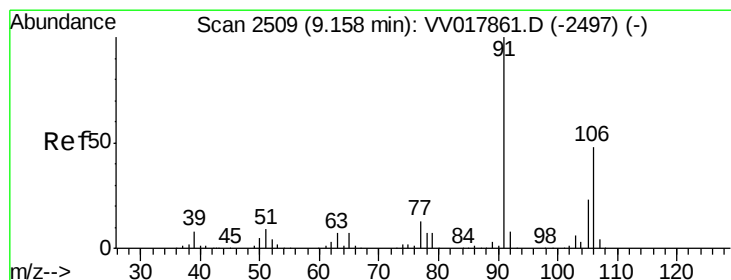
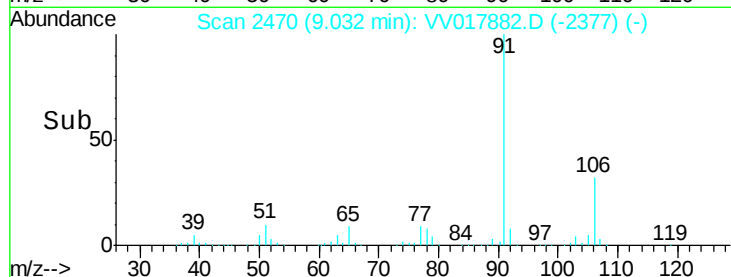
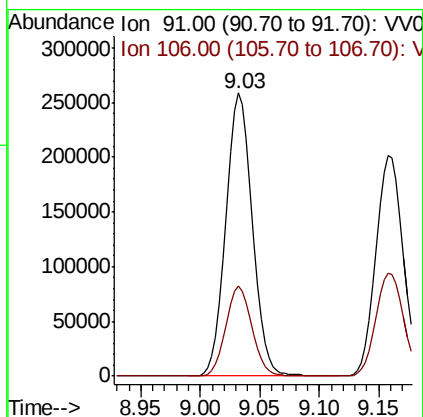
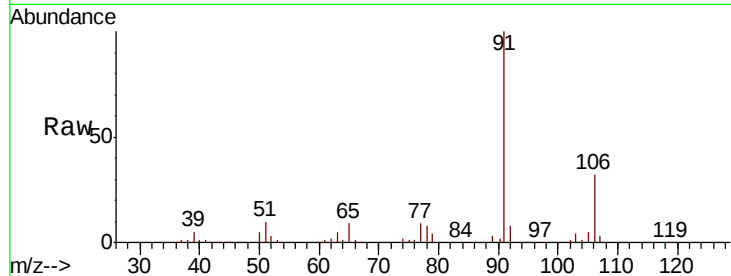
VSTD05094

Tot Ion: 91 Resp: 400214

Ion Ratio Lower Upper

91 100

106 31.8 22.4 41.6



#53

m,p-Xylene

Concen: 50.149 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017882.D

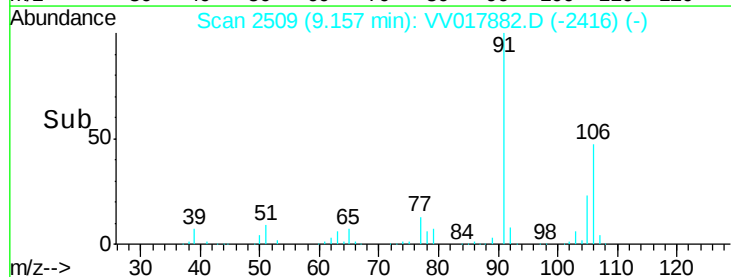
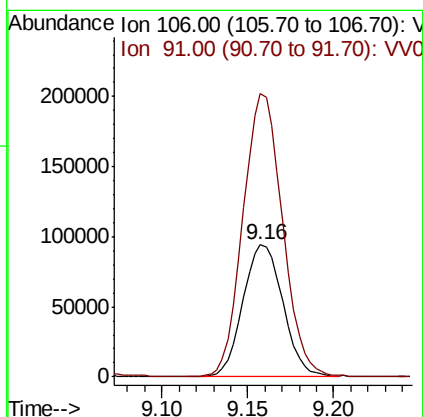
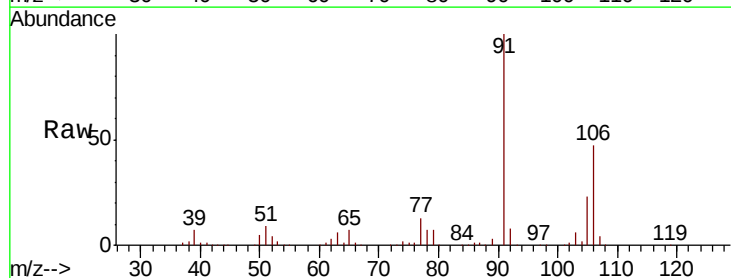
Acq: 09 Aug 2020 02:22

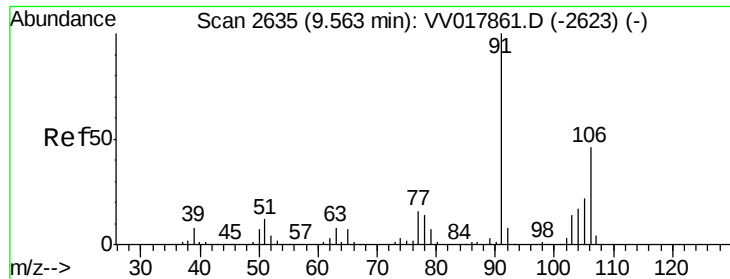
Tgt Ion: 106 Resp: 151930

Ion Ratio Lower Upper

106 100

91 214.8 146.4 272.0

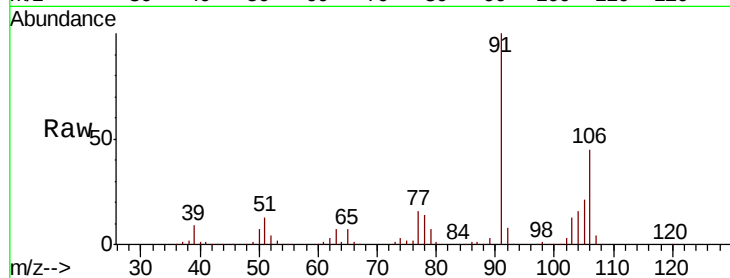




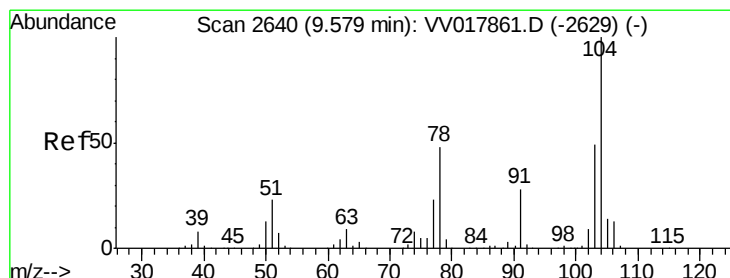
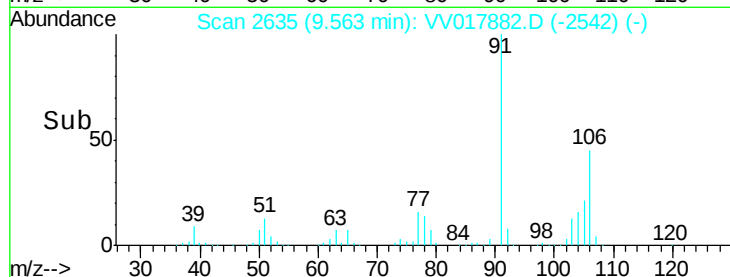
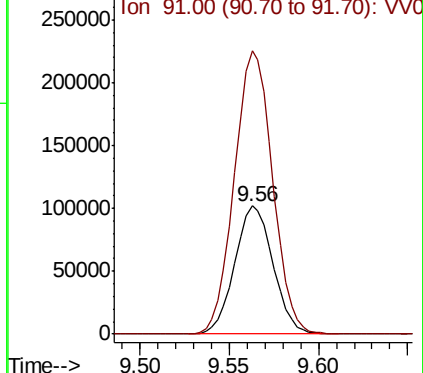
#54
o-xylene
Concen: 51.536 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:106 Resp: 153336
Ion Ratio Lower Upper
106 100
91 220.6 155.2 288.2

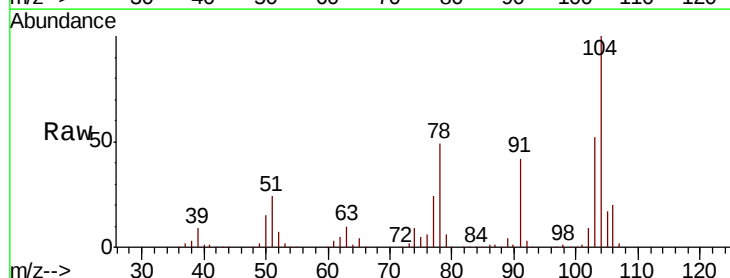


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

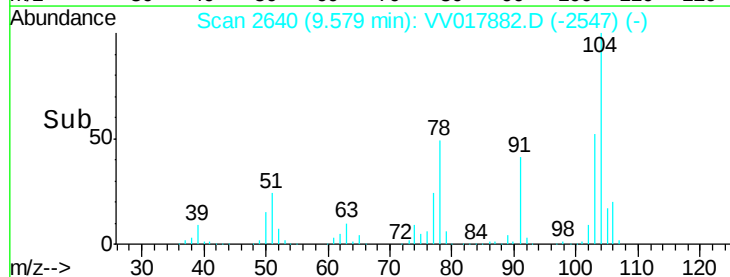
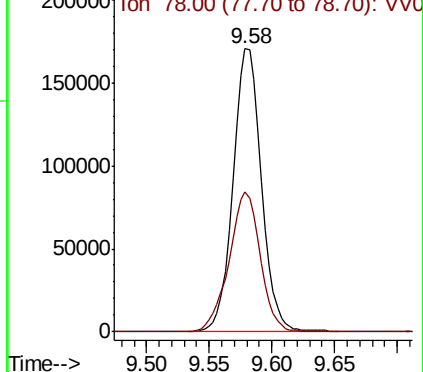


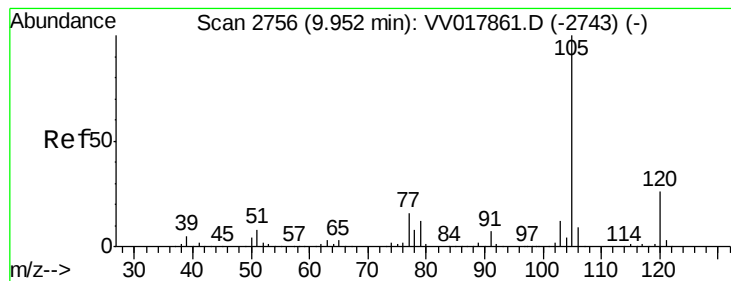
#55
Styrene
Concen: 52.536 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017882.D
Acq: 09 Aug 2020 02:22

Tgt Ion:104 Resp: 268041
Ion Ratio Lower Upper
104 100
78 49.3 35.4 65.7



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





#56

Isopropylbenzene

Concen: 51.240 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

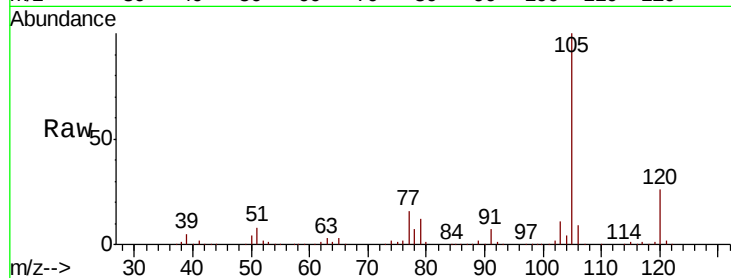
Tot Ion:105 Resp: 421378

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

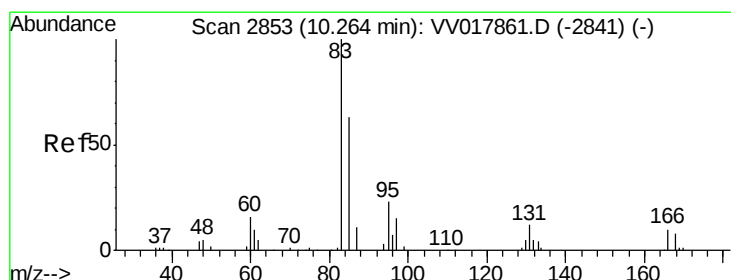
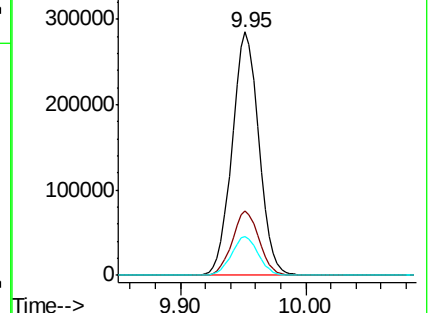
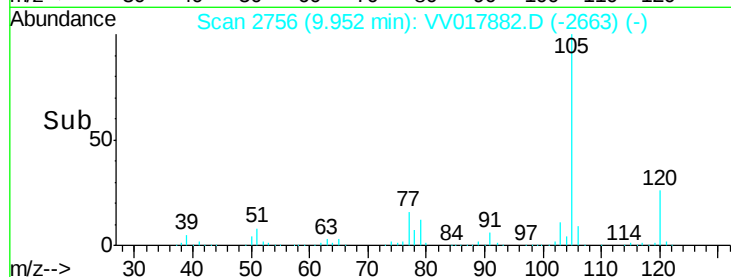
77 16.0 13.0 19.4



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: 52.114 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

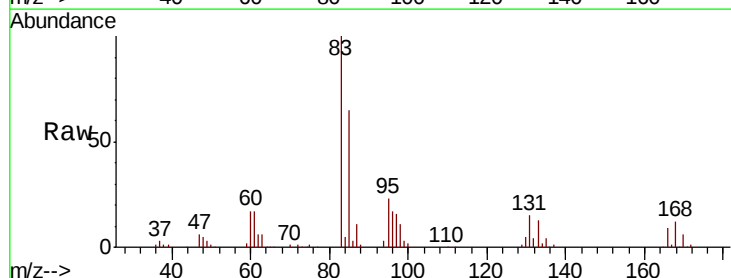
Tgt Ion: 83 Resp: 112417

Ion Ratio Lower Upper

83 100

85 65.3 47.5 88.1

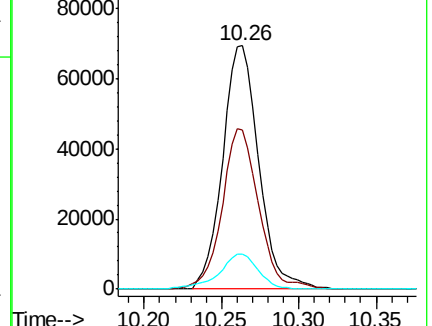
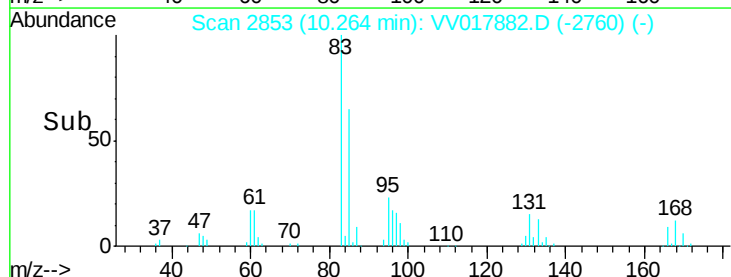
131 14.6 11.1 16.7

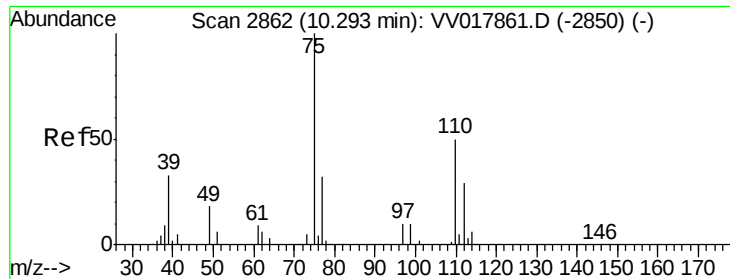


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.241 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

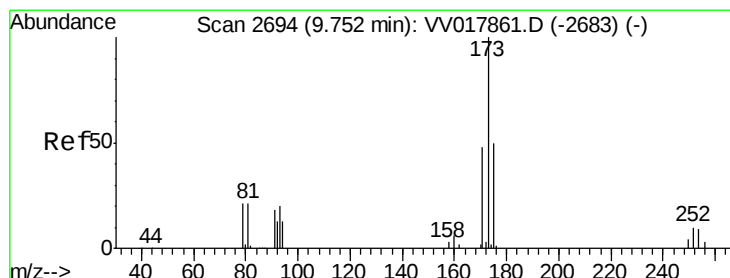
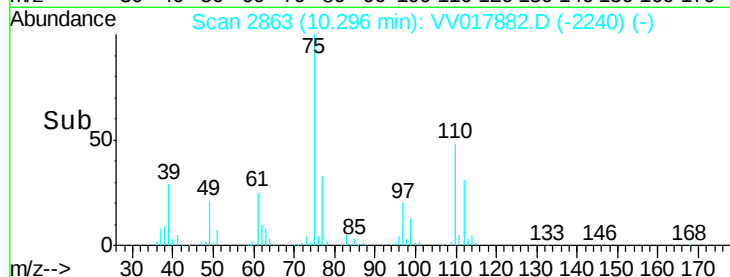
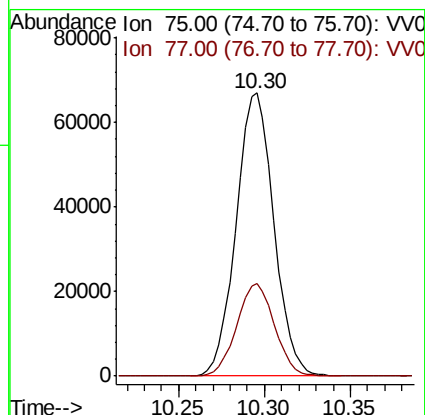
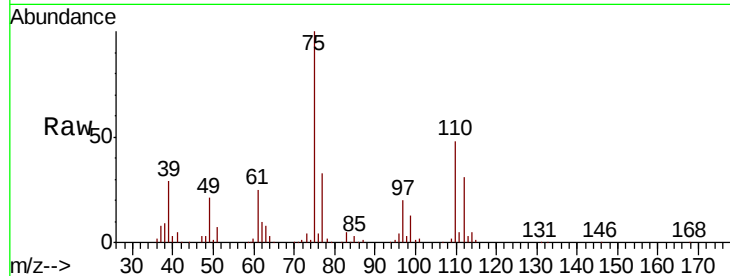
VSTD05094

Tot Ion: 75 Resp: 102388

Ion Ratio Lower Upper

75 100

77 32.8 26.4 39.6



#61

Bromoform

Concen: 58.198 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

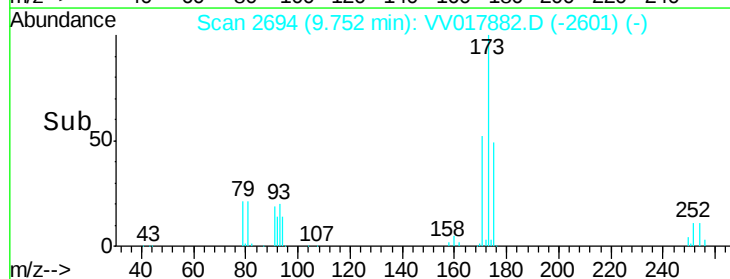
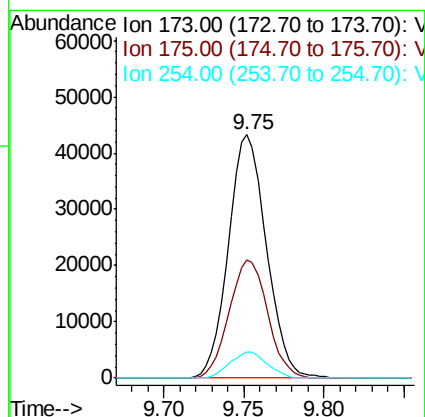
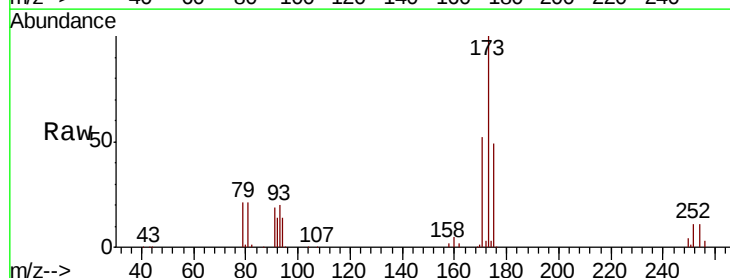
Tgt Ion: 173 Resp: 69955

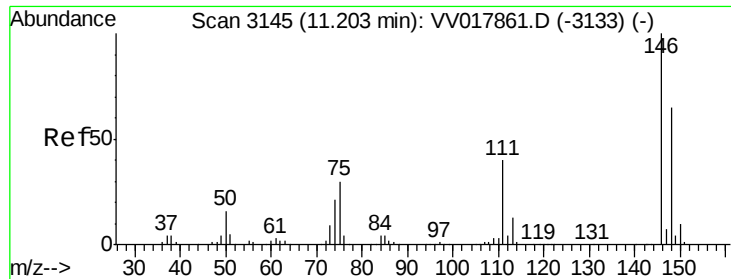
Ion Ratio Lower Upper

173 100

175 48.9 40.6 60.8

254 10.4 8.2 12.2





#62

1,3-Dichlorobenzene

Concen: 50.664 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

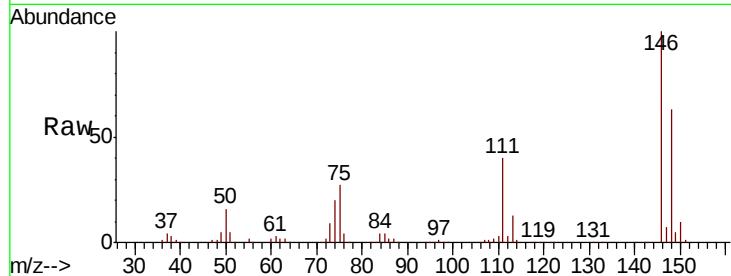
Tot Ion:146 Resp: 216653

Ion Ratio Lower Upper

146 100

111 40.1 27.1 50.3

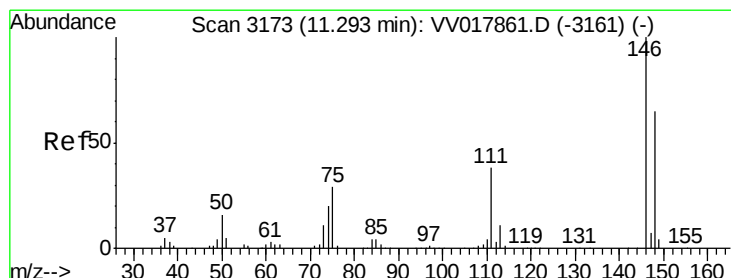
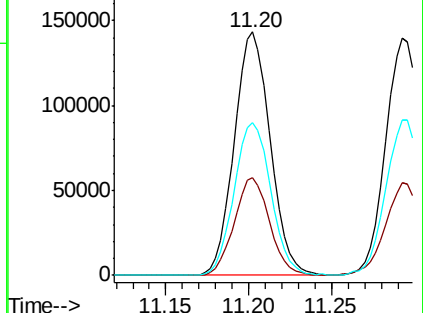
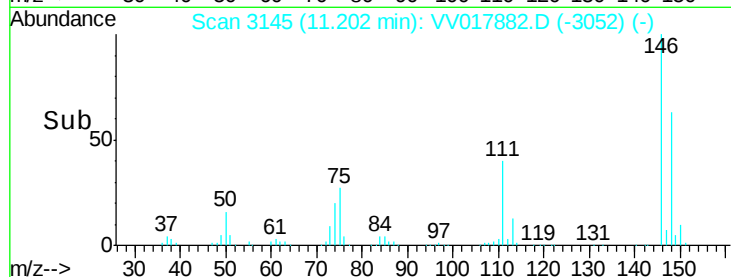
148 62.7 43.8 81.4



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



#63

1,4-Dichlorobenzene

Concen: 49.138 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

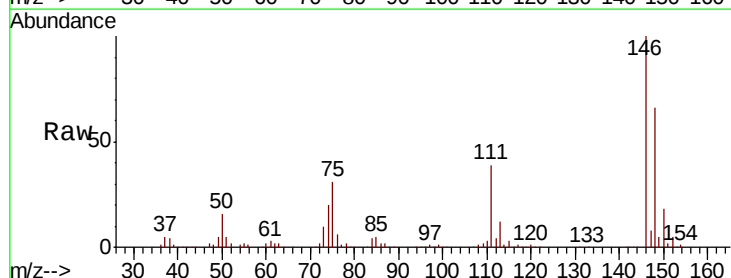
Tgt Ion:146 Resp: 213427

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.8

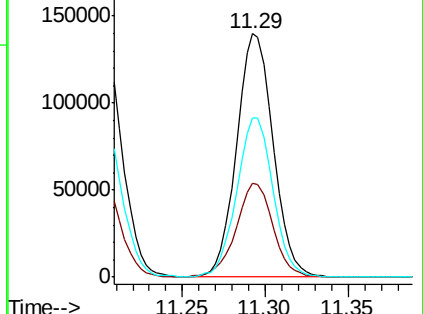
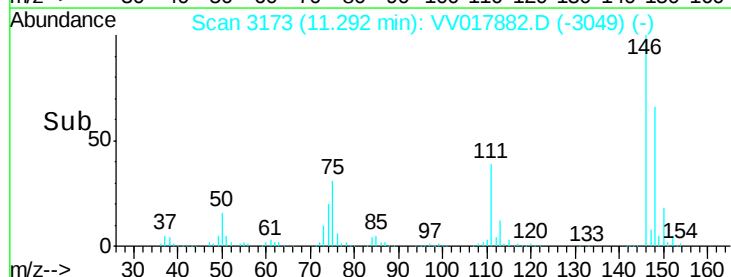
148 65.5 44.3 82.3

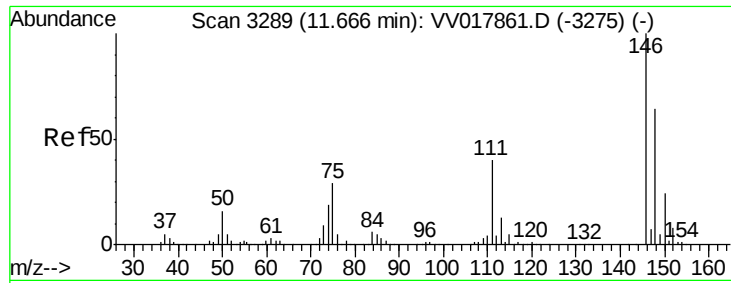


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.417 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

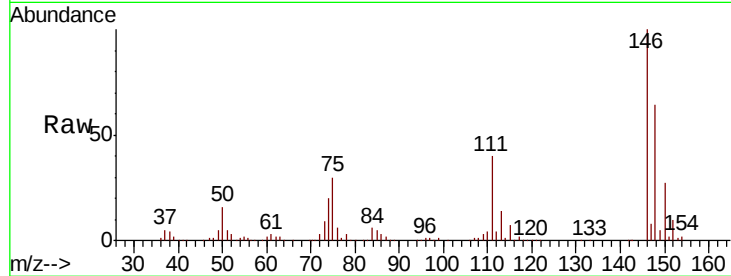
Tot Ion:146 Resp: 219352

Ion Ratio Lower Upper

146 100

111 40.3 32.9 49.3

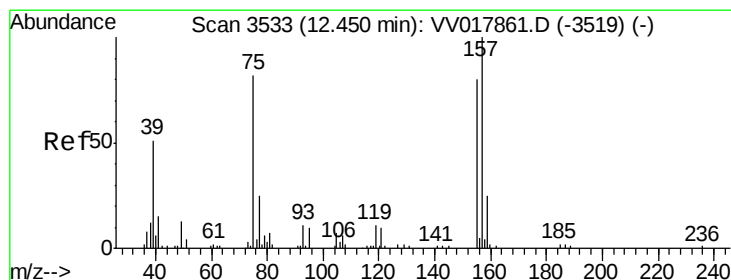
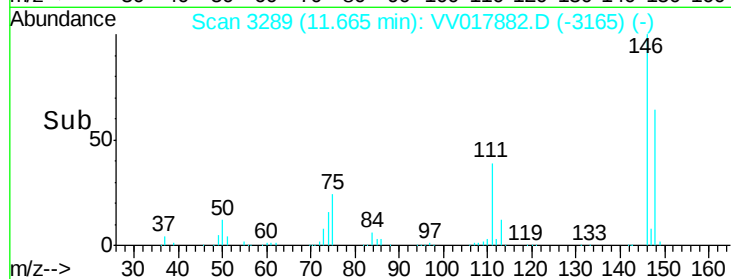
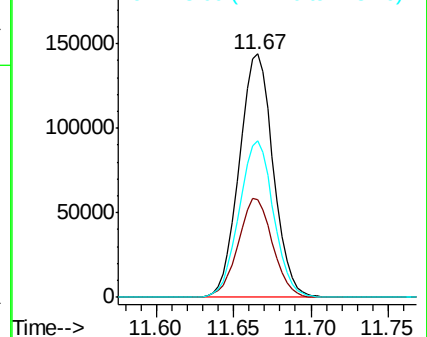
148 64.2 51.9 77.9



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: 56.300 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

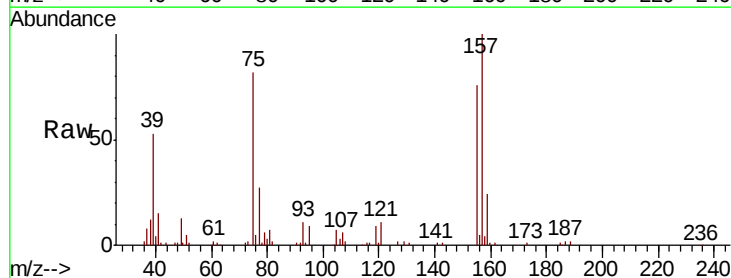
Tgt Ion: 75 Resp: 32061

Ion Ratio Lower Upper

75 100

155 92.4 75.0 112.6

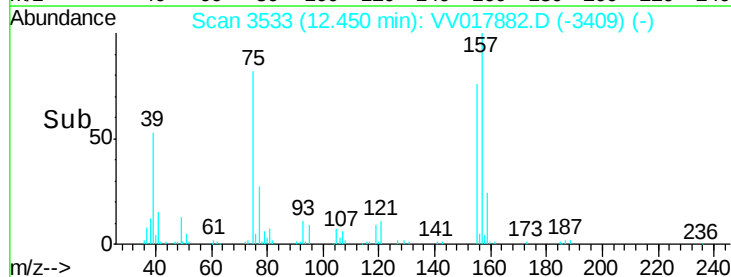
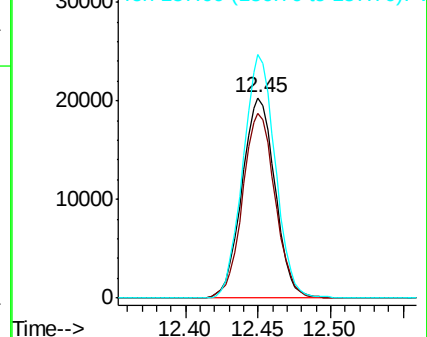
157 121.6 95.0 142.4

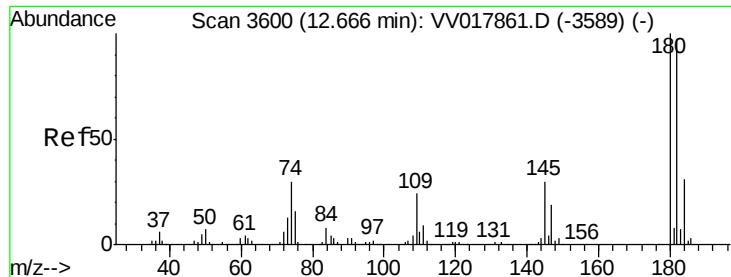


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

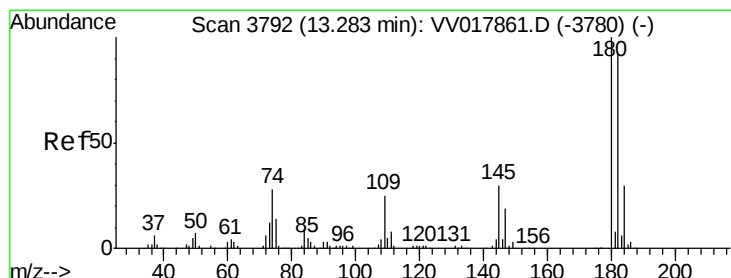
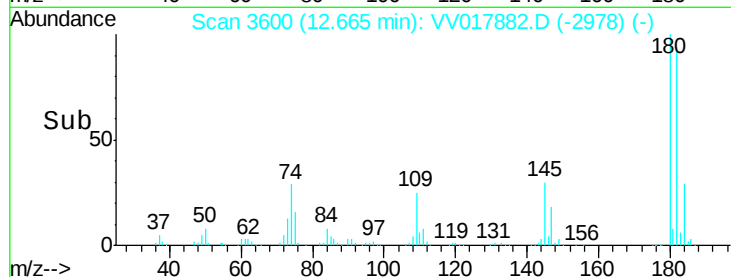
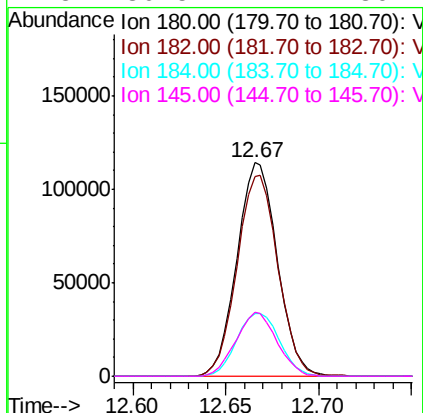
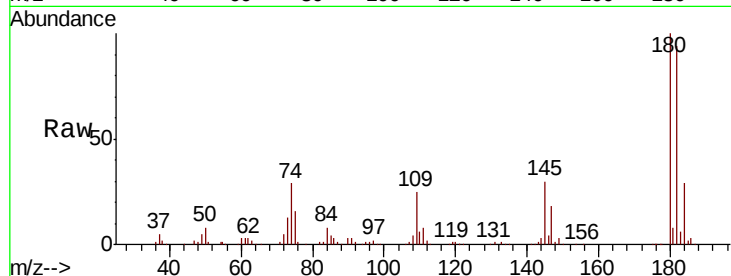




#67
 1,3,5-Trichlorobenzene
 Concen: 49.635 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

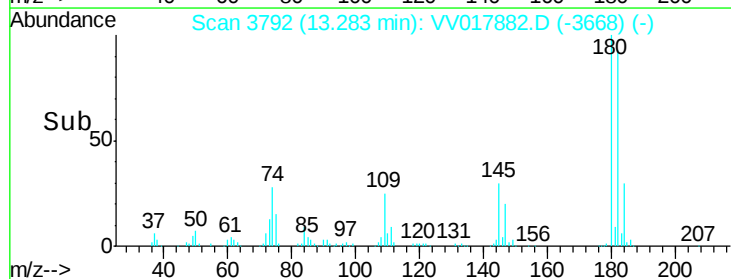
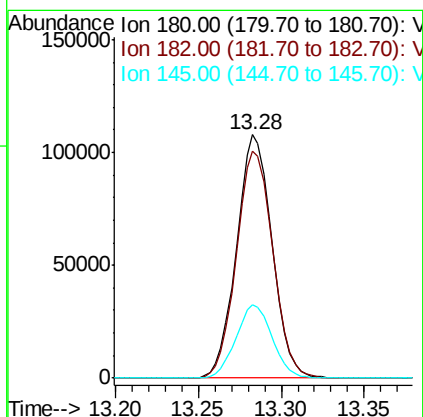
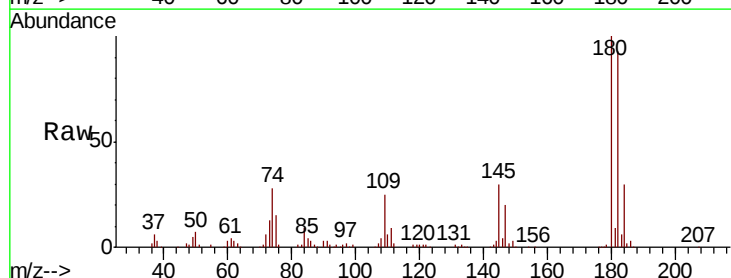
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

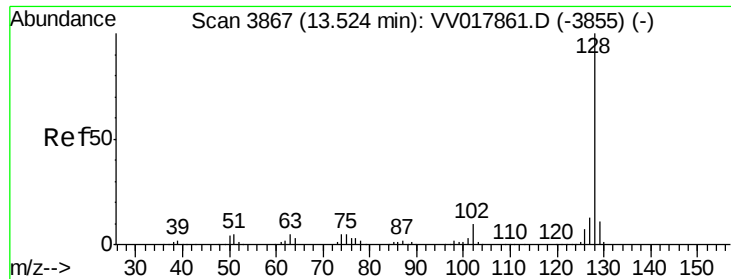
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
184	31.3	24.4	36.6
145	30.5	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 52.716 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017882.D
 Acq: 09 Aug 2020 02:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.6	113.4
145	30.6	24.1	36.1





#69

Naphthalene

Concen: 54.920 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

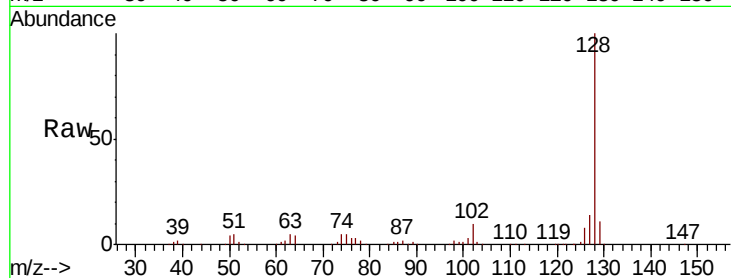
Tot Ion:128 Resp: 426911

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

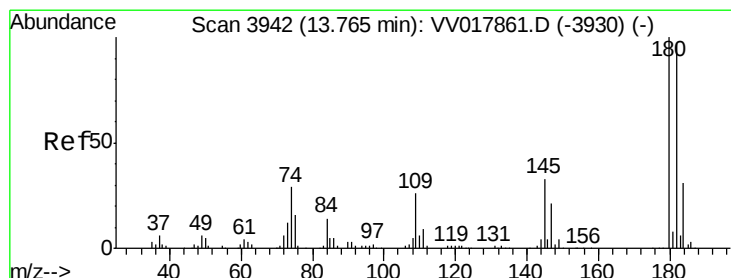
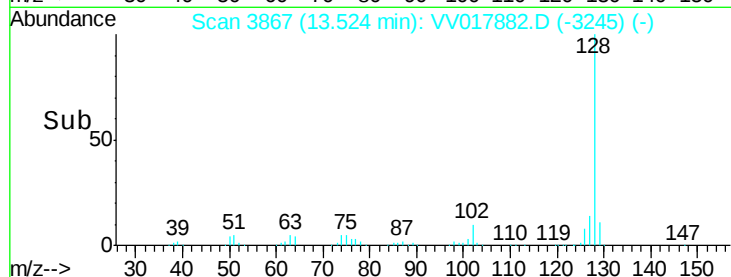
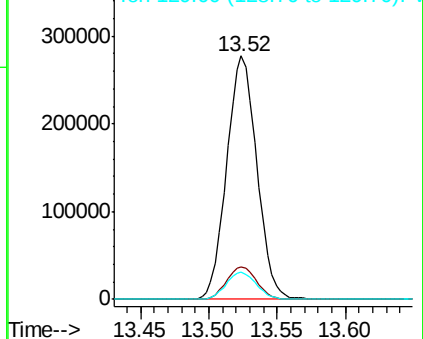
129 11.1 8.5 12.7



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: 53.498 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017882.D

Acq: 09 Aug 2020 02:22

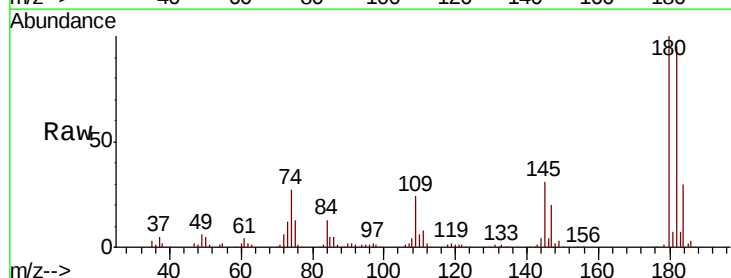
Tgt Ion:180 Resp: 164385

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 32.4 26.1 39.1



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

