

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017861.D
 Acq On : 08 Aug 2020 17:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Quant Time: Aug 10 04:09:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 02:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268448	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	260848	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	68125	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.28%
7) Chloroethane-d5	1.58	69	57993	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.48%
11) 1,1-Dichloroethene-d2	2.12	63	161340	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
21) 2-Butanone-d5	3.91	46	91583	105.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.50%
24) Chloroform-d	4.37	84	182705	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
26) 1,2-Dichloroethane-d4	5.05	65	132455	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
32) Benzene-d6	5.07	84	295933	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
36) 1,2-Dichloropropane-d6	6.09	67	77590	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.60%
41) Toluene-d8	7.34	98	298179	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%
43) trans-1,3-Dichloropropene-	7.64	79	51371	52.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.46%
47) 2-Hexanone-d5	8.11	63	60971	110.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	120977	50.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	145081	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	105898	49.616	ug/L	100
3) Chloromethane	1.25	50	66536	49.275	ug/L	100
5) Vinyl chloride	1.32	62	78171	49.838	ug/L	98
6) Bromomethane	1.53	94	53966	50.581	ug/L	97
8) Chloroethane	1.59	64	51601	52.127	ug/L	97
9) Trichlorofluoromethane	1.76	101	186720	48.370	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81099	47.286	ug/L	100
12) 1,1-Dichloroethene	2.13	96	76789	48.554	ug/L	94
13) Acetone	2.20	43	82759	73.258	ug/L	98
14) Carbon disulfide	2.31	76	186676	51.213	ug/L	99
15) Methyl Acetate	2.45	43	63492	50.959	ug/L	98
16) Methylene chloride	2.52	84	85197	51.234	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	81589	50.545	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	289743	52.138	ug/L	100
19) 1,1-Dichloroethane	3.21	63	138979	52.170	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	89476	51.323	ug/L	98
22) 2-Butanone	3.99	43	94063	95.912	ug/L	95

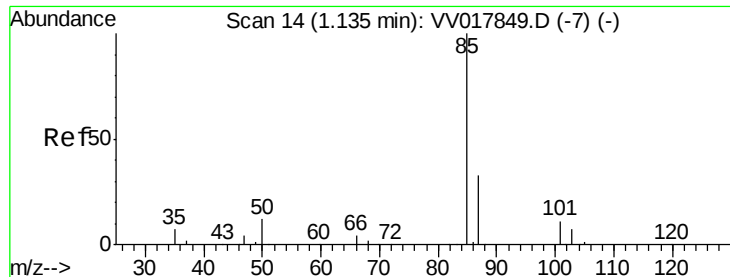
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 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 02:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54406	52.226	ug/L	97
25) Chloroform	4.40	83	172921	50.452	ug/L	98
27) 1,2-Dichloroethane	5.15	62	161007	52.035	ug/L	99
29) Cyclohexane	4.70	56	100994	48.597	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	181165	49.618	ug/L	100
31) Carbon tetrachloride	4.85	117	155828	47.812	ug/L	99
33) Benzene	5.12	78	314688	51.011	ug/L	100
34) Trichloroethene	5.94	95	94656	50.790	ug/L	99
35) Methylcyclohexane	6.15	83	128791	48.526	ug/L	99
37) 1,2-Dichloropropane	6.20	63	70283	52.095	ug/L	99
38) Bromodichloromethane	6.53	83	125683	51.302	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	123619	53.280	ug/L	94
40) 4-Methyl-2-pentanone	7.24	43	186581	106.009	ug/L	99
42) Toluene	7.41	91	366391	50.958	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	135778	55.682	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	86592	51.008	ug/L	98
46) Tetrachloroethene	8.00	164	88665	50.477	ug/L	99
48) 2-Hexanone	8.16	43	145839	98.972	ug/L	99
49) Dibromochloromethane	8.27	129	100957	53.432	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96072	51.344	ug/L	98
51) Chlorobenzene	8.90	112	249047	49.789	ug/L	96
52) Ethylbenzene	9.03	91	424292	51.358	ug/L	98
53) m,p-Xylene	9.16	106	162410	50.574	ug/L	99
54) o-xylene	9.56	106	161849	51.319	ug/L	98
55) Styrene	9.58	104	276114	51.056	ug/L	98
56) Isopropylbenzene	9.95	105	445372	51.093	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	117288	51.295	ug/L	96
59) 1,2,3-Trichloropropane	10.29	75	104762	50.428	ug/L	98
61) Bromoform	9.75	173	67986	54.805	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	221588	50.211	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	224129	50.001	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	230888	51.422	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32357	55.058	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	177301	49.431	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	167439	53.299	ug/L	99
69) Naphthalene	13.52	128	440872	54.956	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	166002	52.349	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.616 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

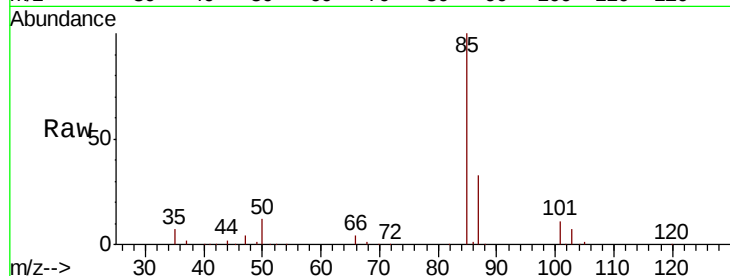
VSTD05093

Tot Ion: 85 Resp: 105898

Ion Ratio Lower Upper

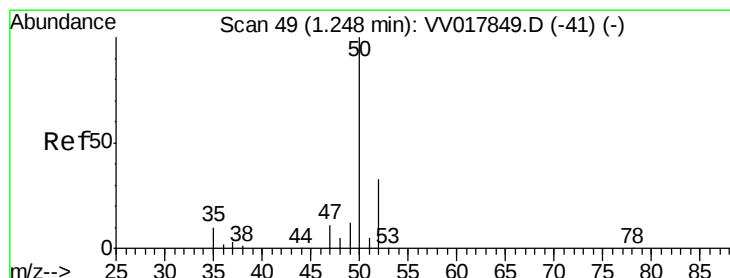
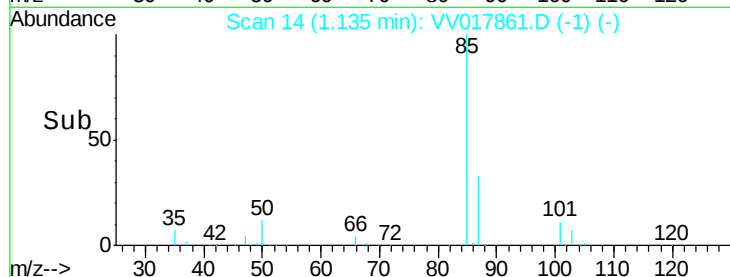
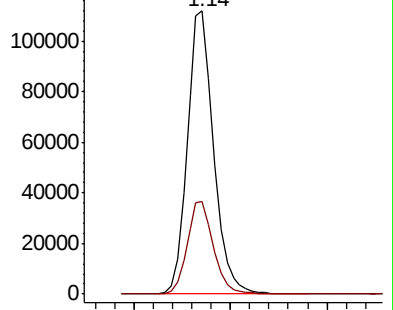
85 100

87 32.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 49.275 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017861.D

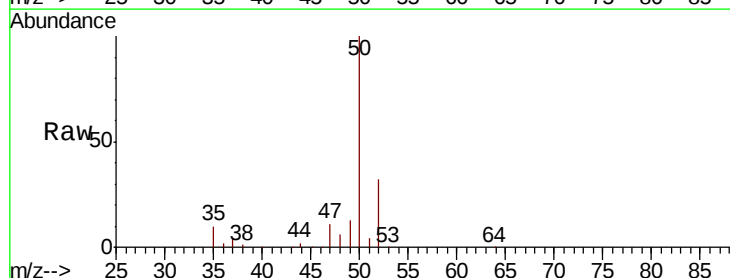
Acq: 08 Aug 2020 17:43

Tgt Ion: 50 Resp: 66536

Ion Ratio Lower Upper

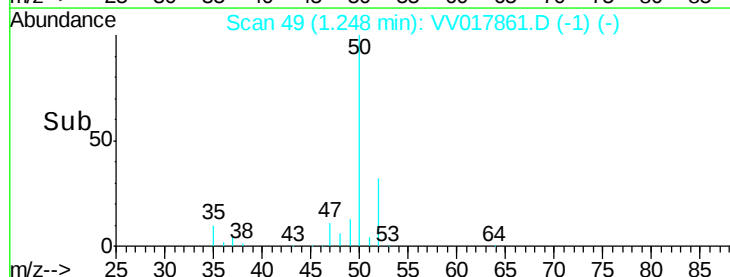
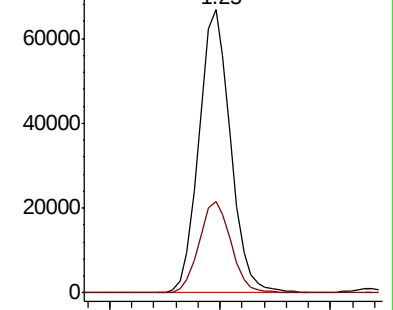
50 100

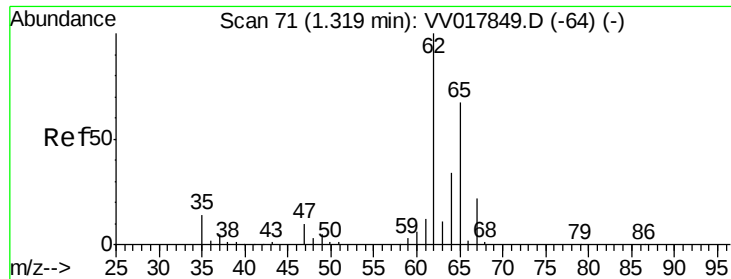
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.838 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

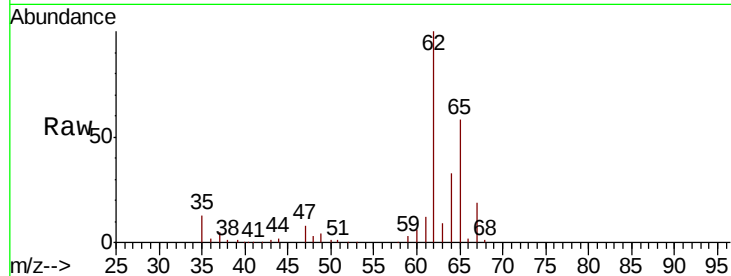
VSTD05093

Tot Ion: 62 Resp: 78171

Ion Ratio Lower Upper

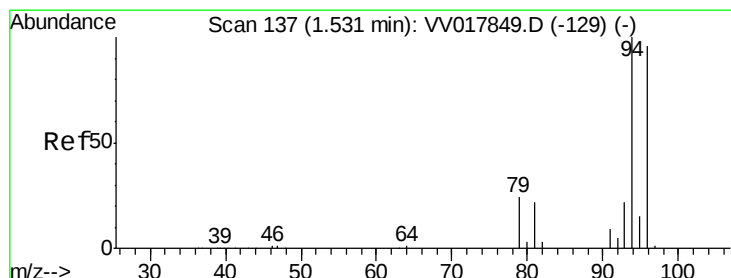
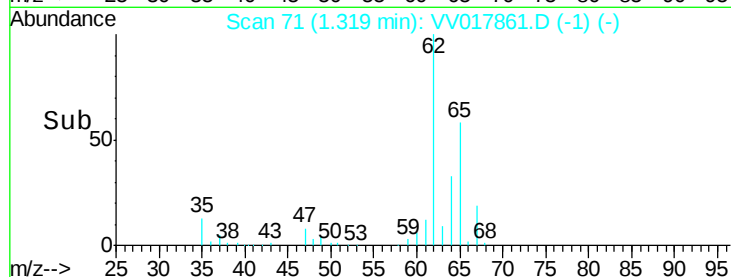
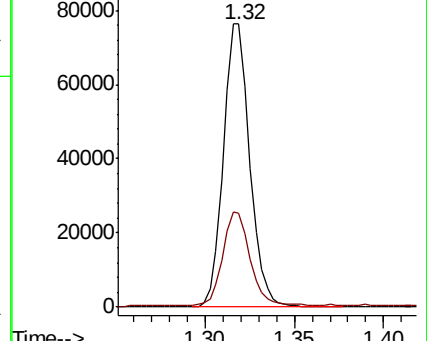
62 100

64 33.0 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.581 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017861.D

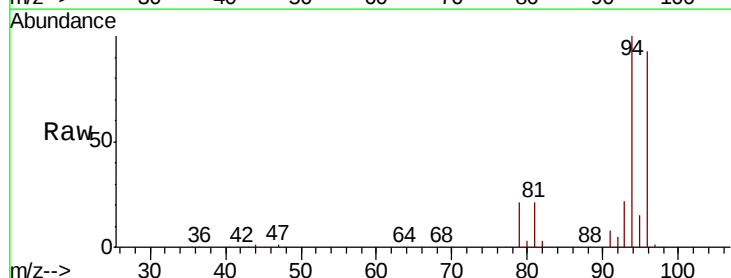
Acq: 08 Aug 2020 17:43

Tgt Ion: 94 Resp: 53966

Ion Ratio Lower Upper

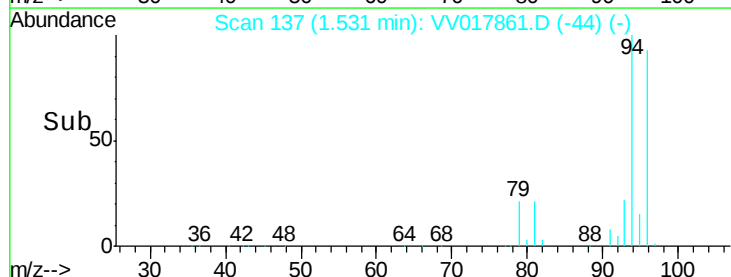
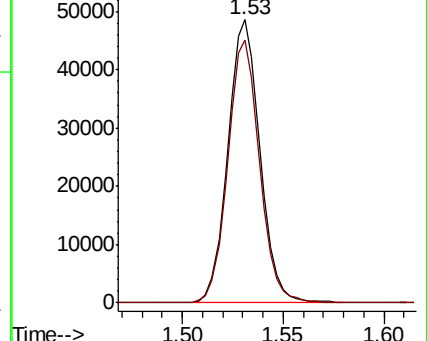
94 100

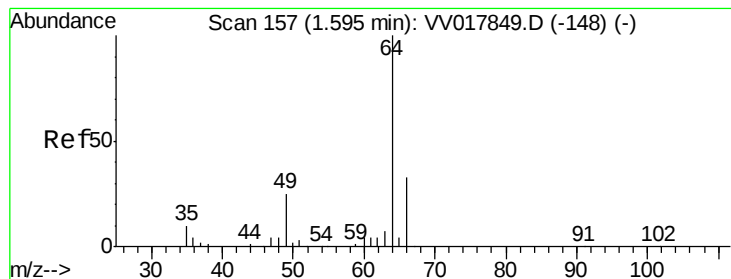
96 93.1 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 52.127 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

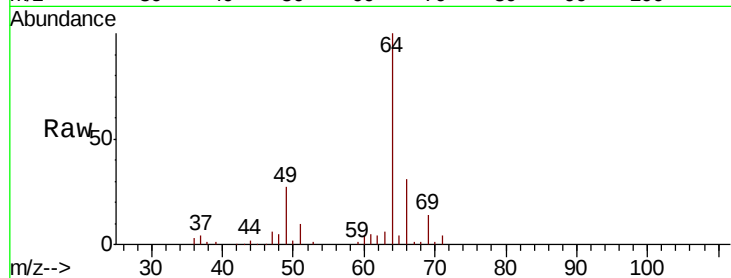
VSTD05093

Tot Ion: 64 Resp: 51601

Ion Ratio Lower Upper

64 100

66 31.4 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VV017849.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017849.D (-148) (-)

1.59

50000

40000

30000

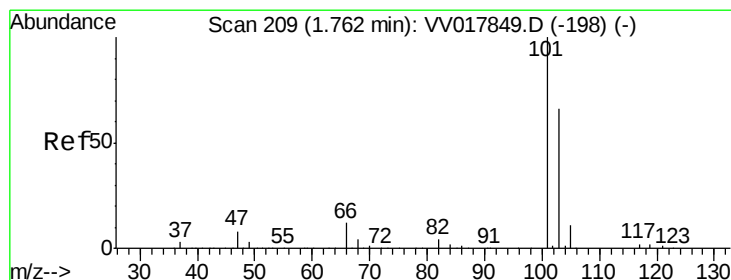
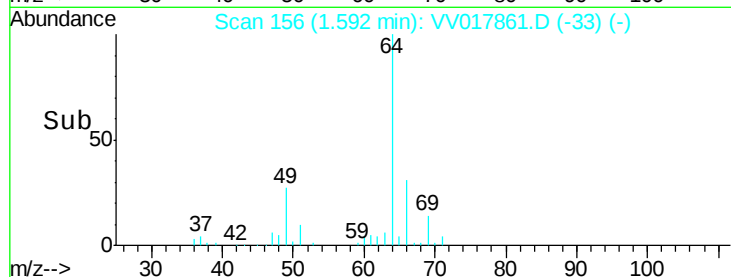
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 48.370 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017861.D

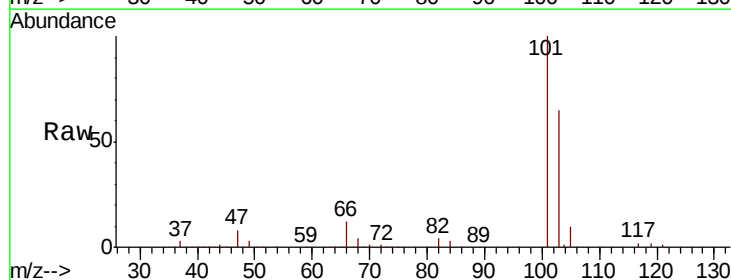
Acq: 08 Aug 2020 17:43

Tgt Ion: 101 Resp: 186720

Ion Ratio Lower Upper

101 100

103 64.8 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017849.D (-198) (-)

1.76

150000

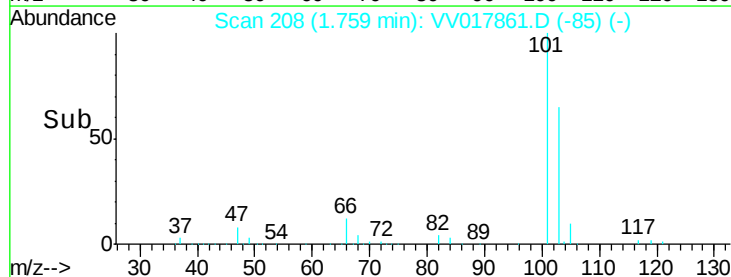
100000

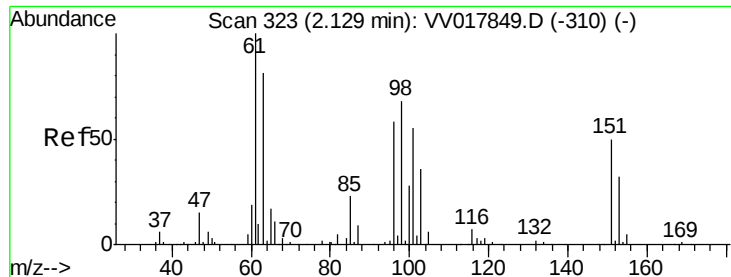
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 47.286 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

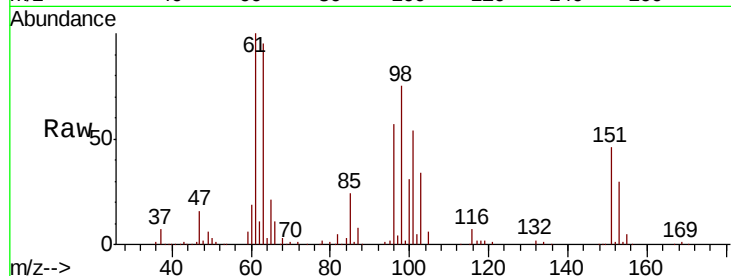
Tot Ion:101 Resp: 81099

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

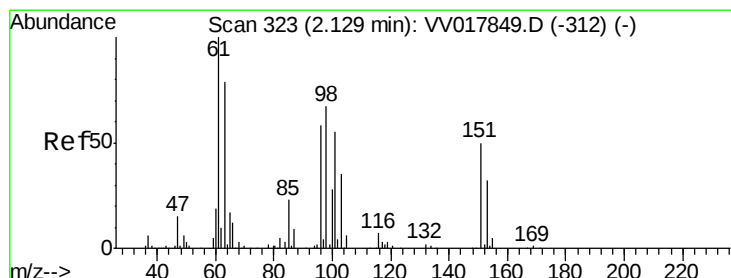
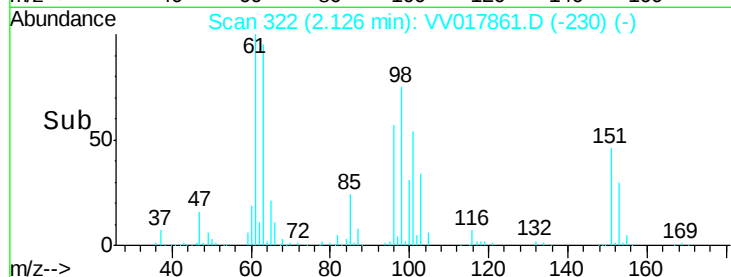
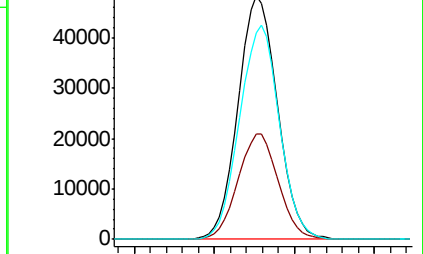
151 88.9 71.0 106.6



Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017849.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 48.554 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

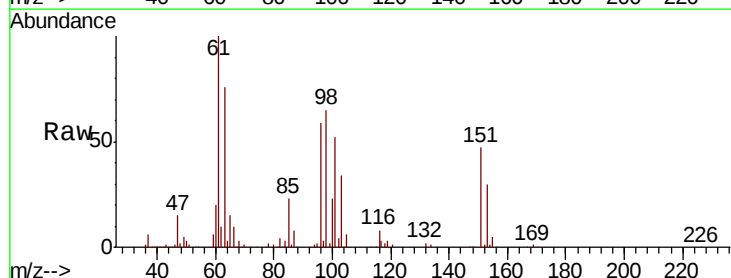
Tgt Ion: 96 Resp: 76789

Ion Ratio Lower Upper

96 100

61 169.3 121.1 224.9

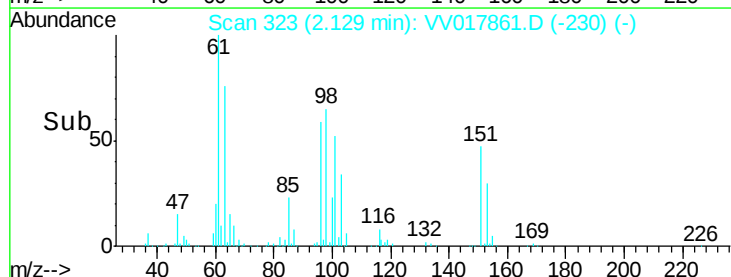
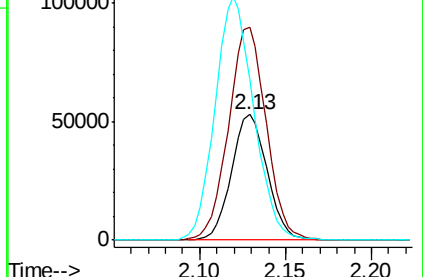
63 128.0 98.1 182.1

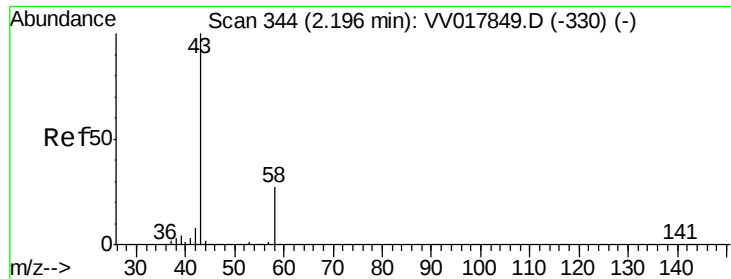


Abundance Ion 96.00 (95.70 to 96.70): VV017849.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017849.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017849.D (-312) (-)





#13

Acetone

Concen: 73.258 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

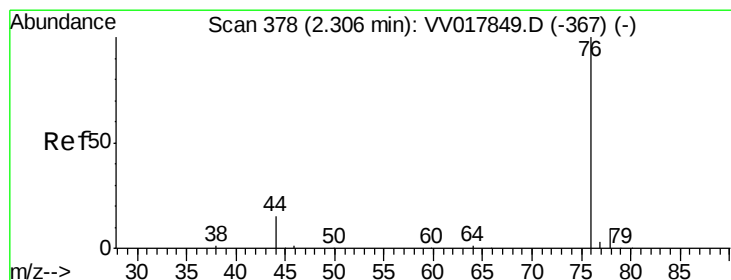
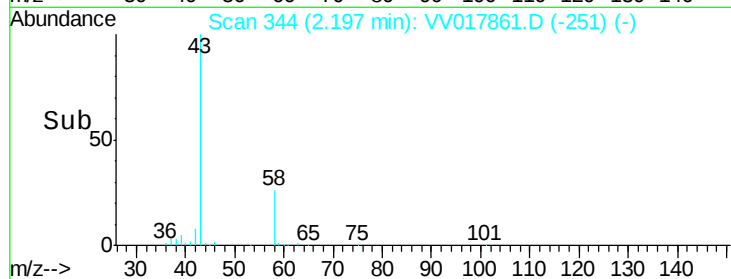
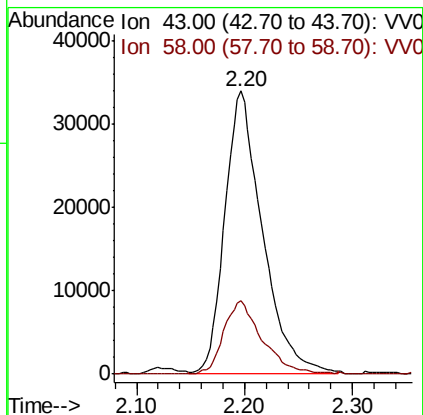
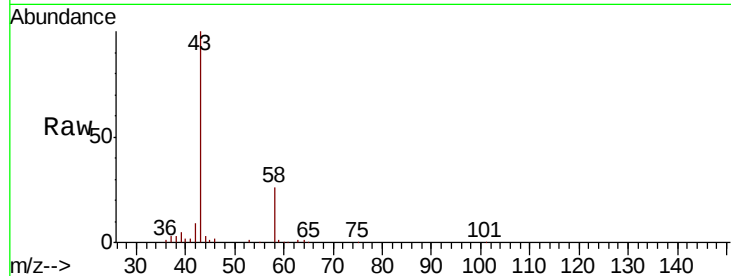
VSTD05093

Tot Ion: 43 Resp: 82759

Ion Ratio Lower Upper

43 100

58 26.2 0.0 54.8



#14

Carbon disulfide

Concen: 51.213 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017861.D

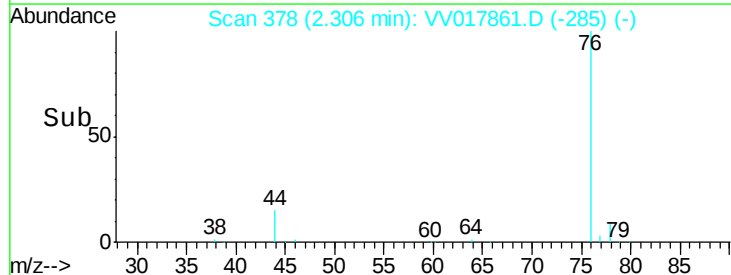
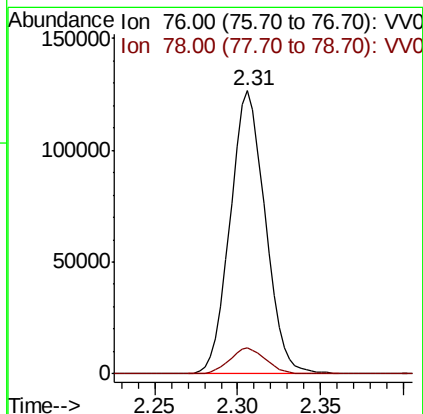
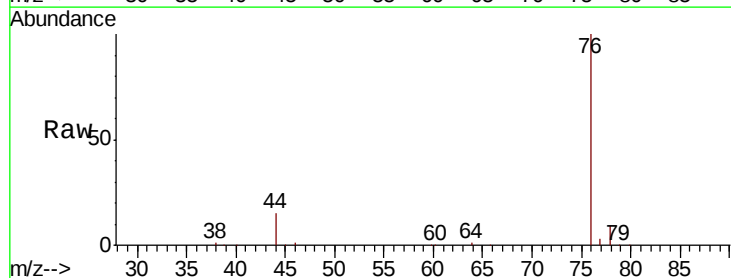
Acq: 08 Aug 2020 17:43

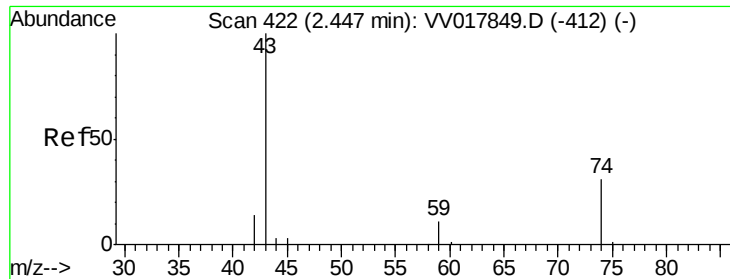
Tgt Ion: 76 Resp: 186676

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methyl Acetate

Concen: 50.959 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

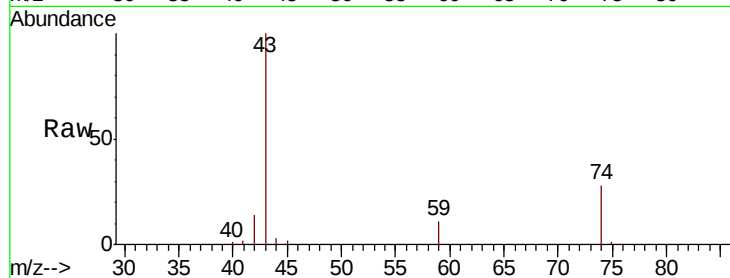
VSTD05093

Tot Ion: 43 Resp: 63492

Ion Ratio Lower Upper

43 100

74 30.0 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VV017861.D (-329) (-)

Ion 74.00 (73.70 to 74.70): VV017861.D (-329) (-)

2.45

40000

30000

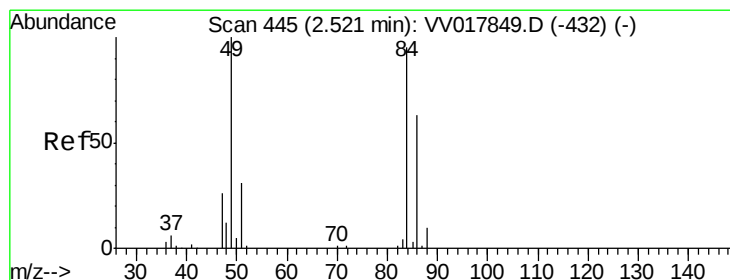
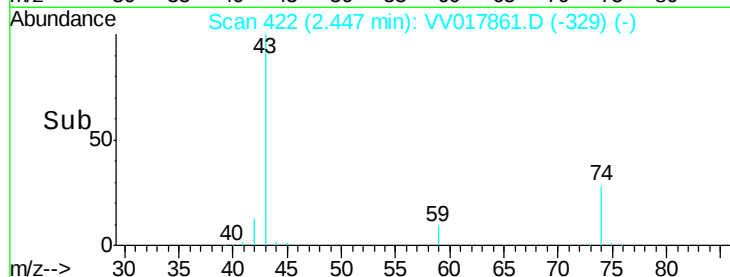
20000

10000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 51.234 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

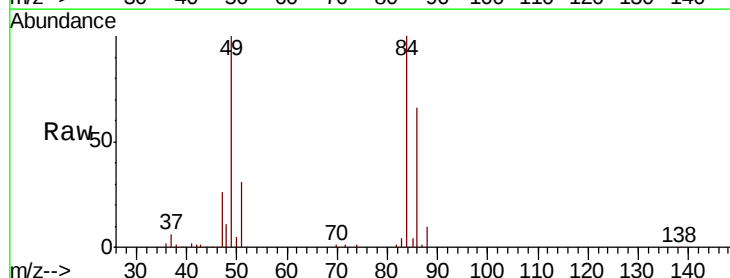
Tgt Ion: 84 Resp: 85197

Ion Ratio Lower Upper

84 100

86 65.8 46.2 85.8

49 99.7 73.6 136.6



Abundance Ion 84.00 (83.70 to 84.70): VV017861.D (-352) (-)

Ion 86.00 (85.70 to 86.70): VV017861.D (-352) (-)

Ion 49.00 (48.70 to 49.70): VV017861.D (-352) (-)

2.52

60000

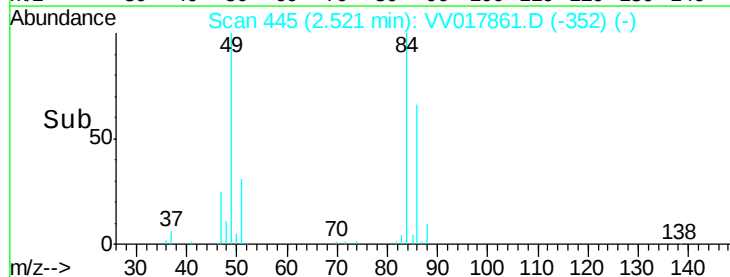
40000

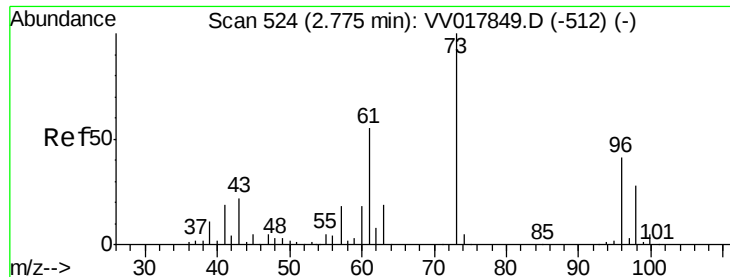
20000

0

Time-->

2.45 2.50 2.55 2.60





#17

trans-1,2-Dichloroethene

Concen: 50.545 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

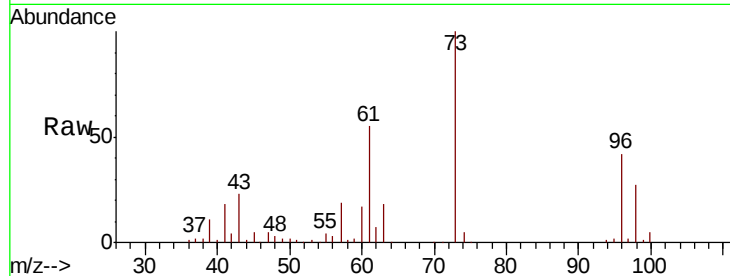
MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 96 Resp: 81589

Ion	Ratio	Lower	Upper
96	100		
61	128.4	92.4	171.6
98	64.7	47.5	88.1

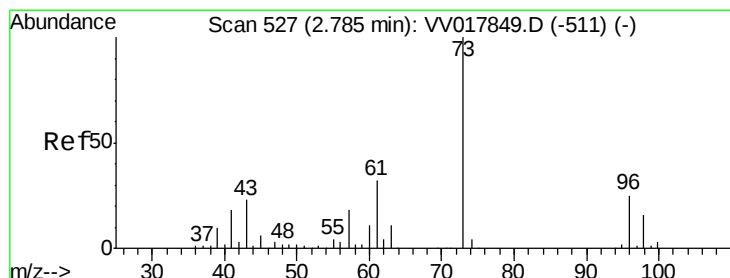
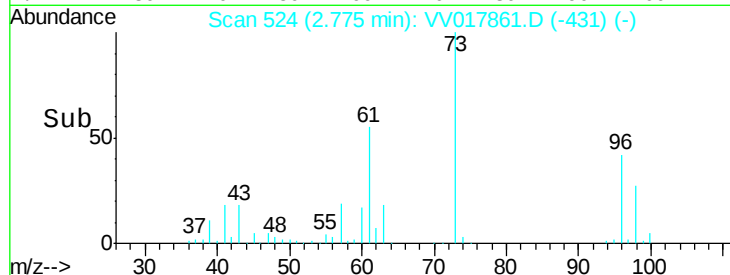
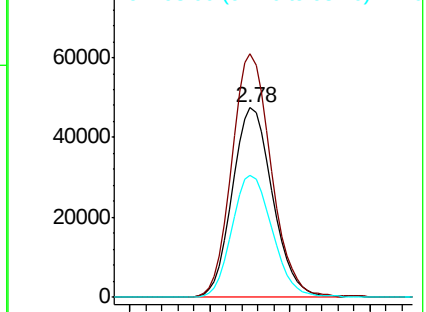


Abundance

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: 52.138 ug/L

RT: 2.78 min Scan# 527

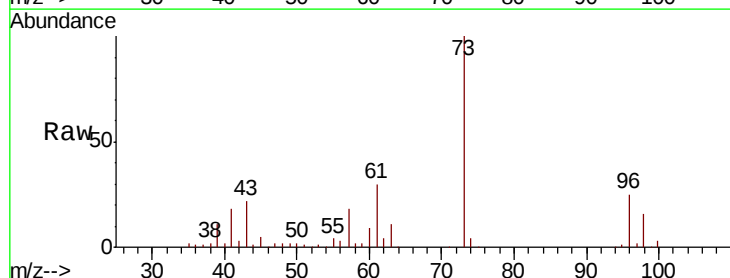
Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Tgt Ion: 73 Resp: 289743

Ion	Ratio	Lower	Upper
73	100		
43	22.6	18.1	27.1
57	18.3	14.5	21.7

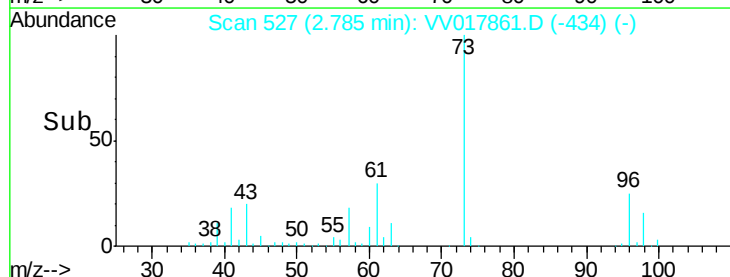
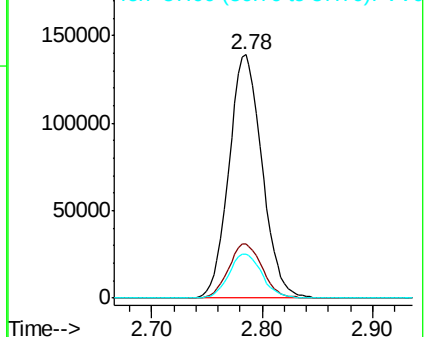


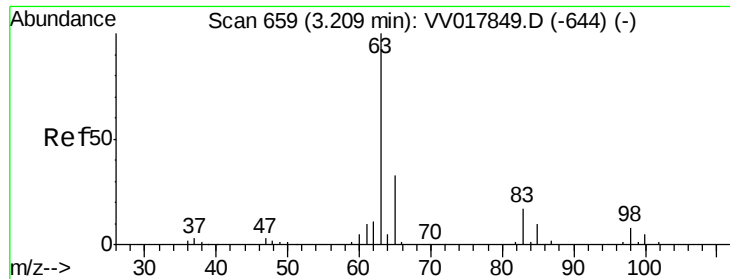
Abundance

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

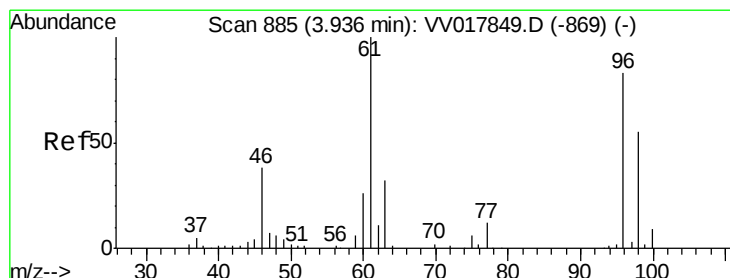
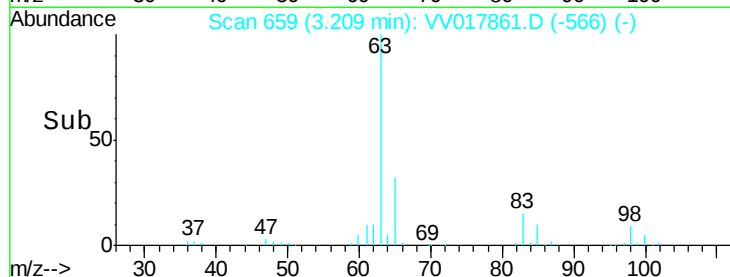
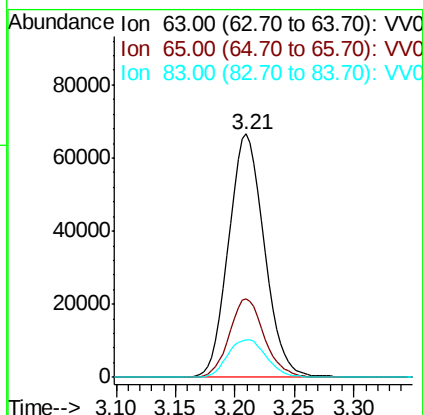
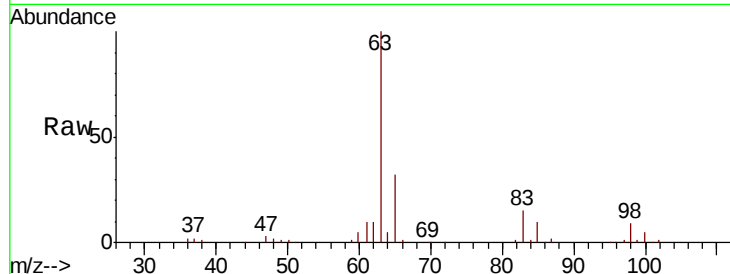




#19
 1,1-Dichloroethane
 Concen: 52.170 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

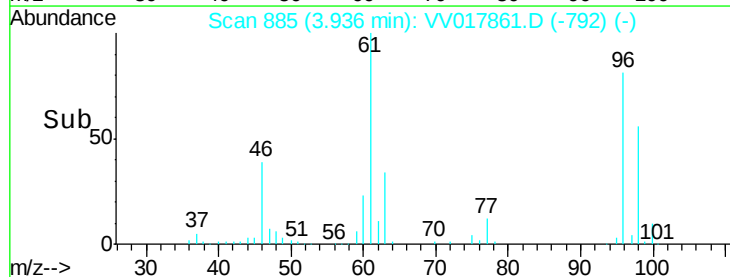
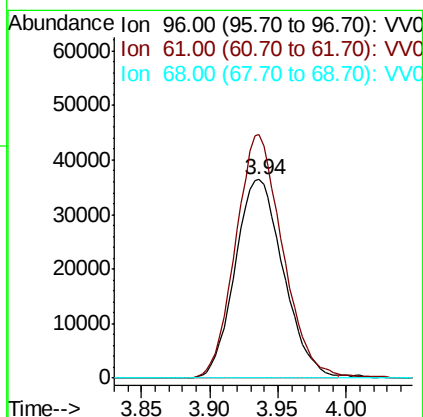
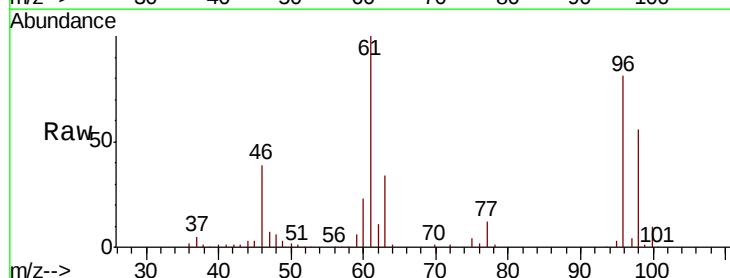
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

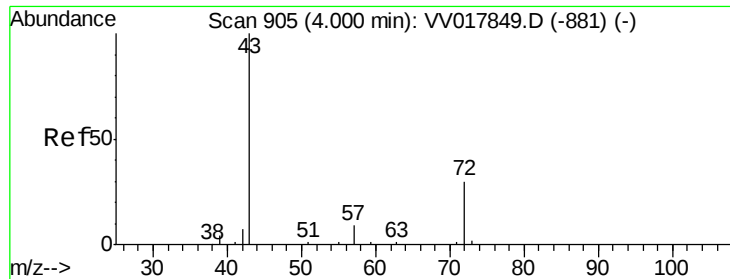
Tot Ion: 63 Resp: 138979
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.4 43.6
 83 15.3 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 51.323 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion: 96 Resp: 89476
 Ion Ratio Lower Upper
 96 100
 61 122.8 84.4 156.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.912 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

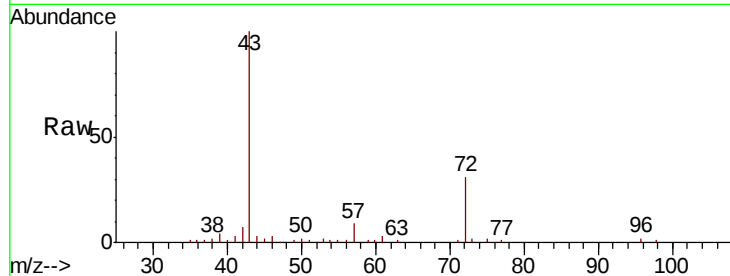
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Tot Ion: 43 Resp: 94063

Ion Ratio Lower Upper

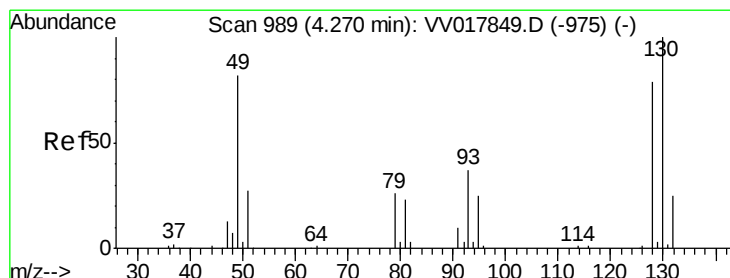
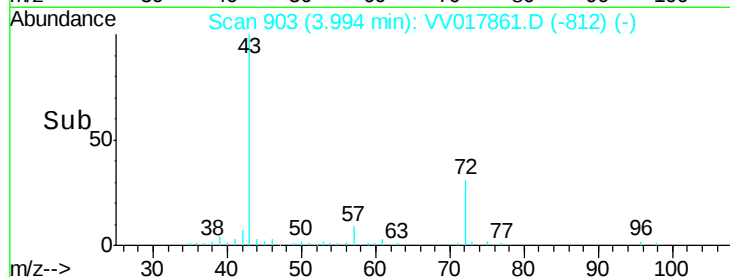
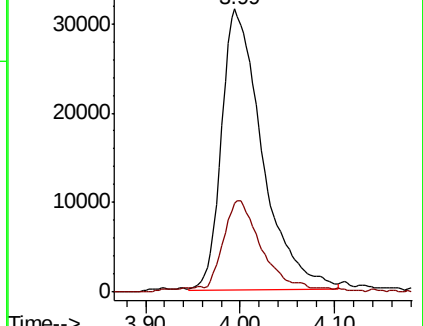
43 100

72 27.3 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV017849.D (-881) (-)



#23

Bromochloromethane

Concen: 52.226 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Tgt Ion: 128 Resp: 54406

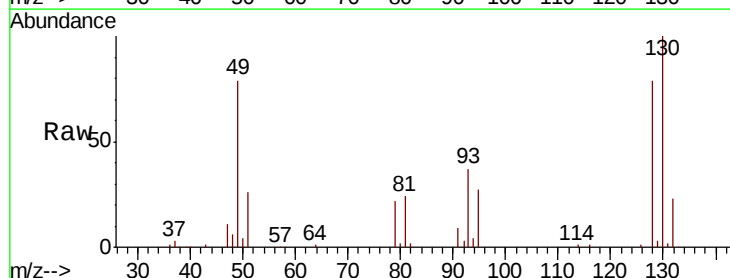
Ion Ratio Lower Upper

128 100

49 99.4 73.7 136.9

130 126.2 89.3 165.9

51 32.2 27.2 40.8

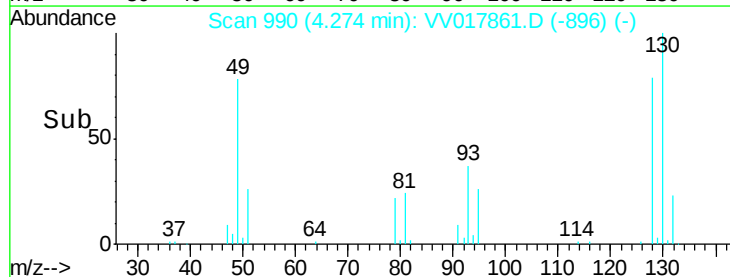
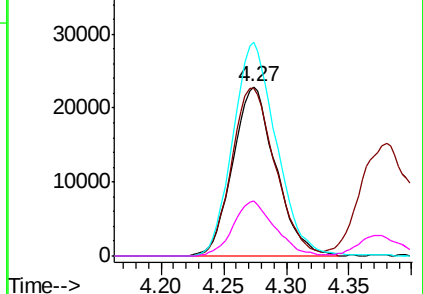


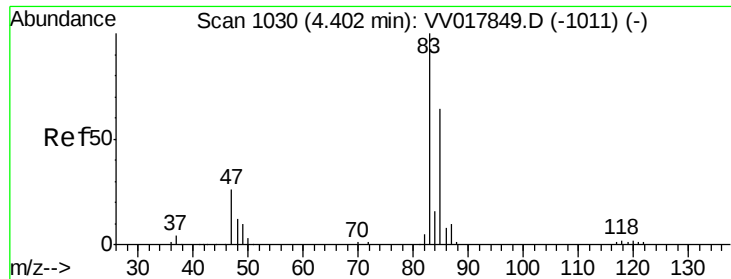
Abundance Ion 128.00 (127.70 to 128.70): VV017849.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017849.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017849.D (-975) (-)

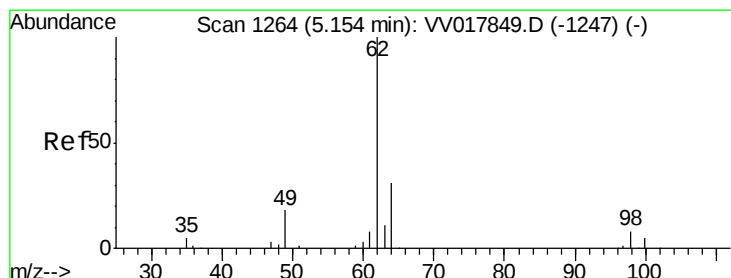
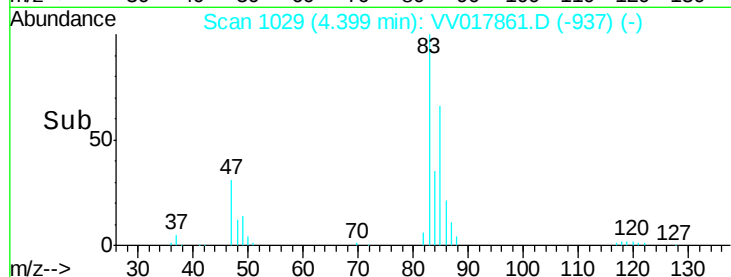
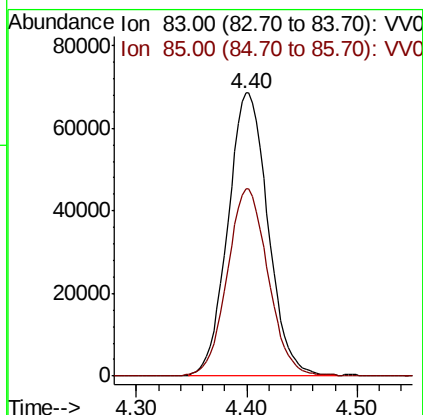
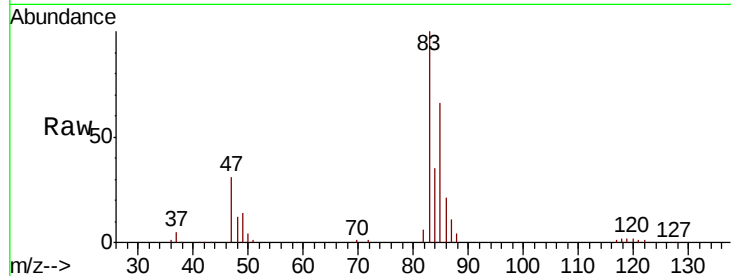




#25
Chloroform
Concen: 50.452 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

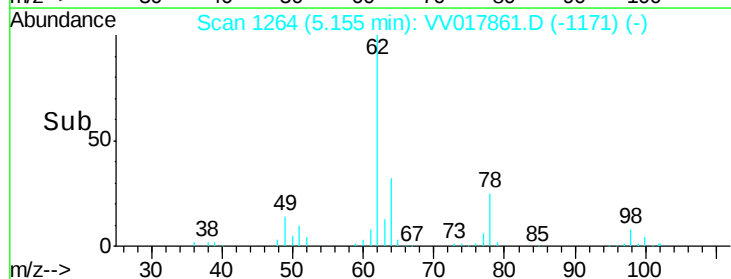
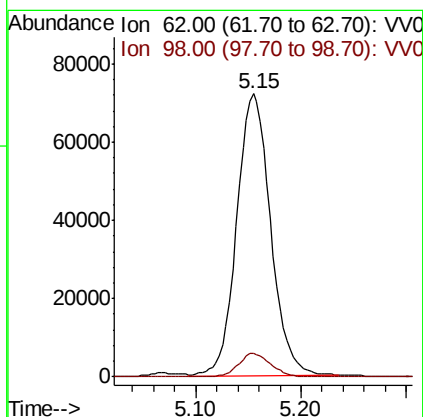
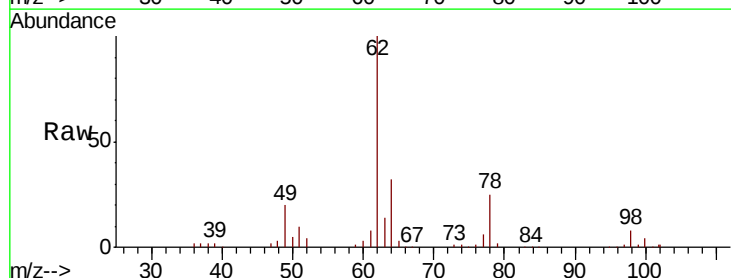
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

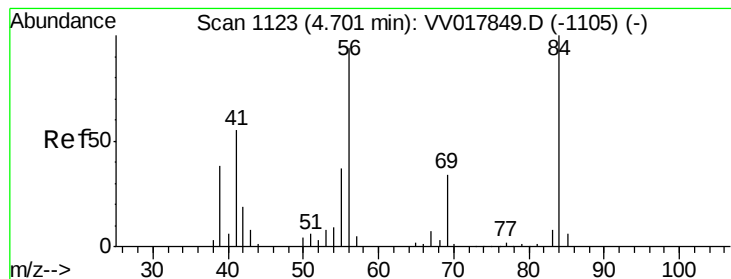
Tot Ion: 83 Resp: 172921
Ion Ratio Lower Upper
83 100
85 66.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 52.035 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

Tgt Ion: 62 Resp: 161007
Ion Ratio Lower Upper
62 100
98 8.3 6.2 9.4





#29

Cyclohexane

Concen: 48.597 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

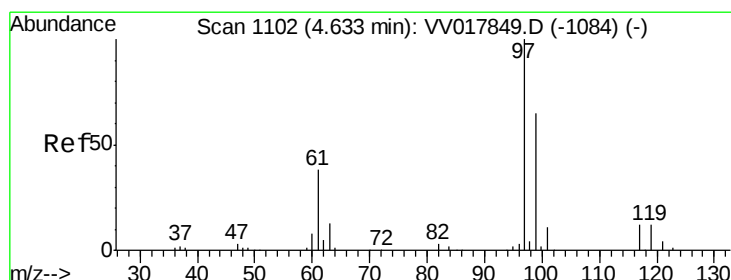
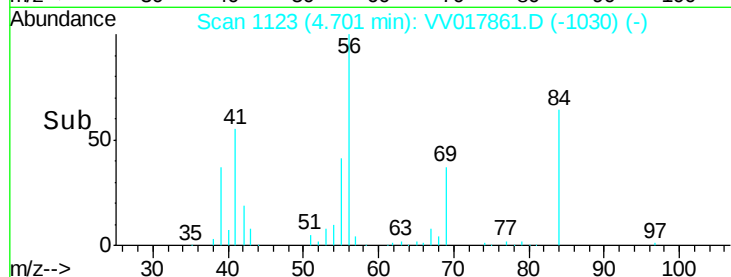
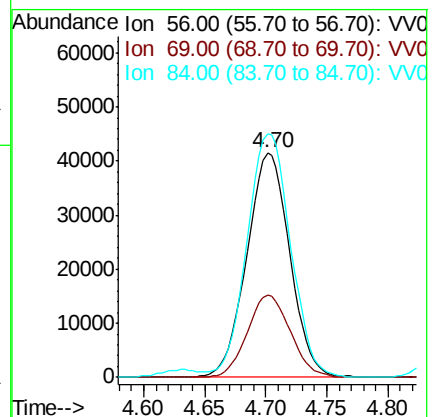
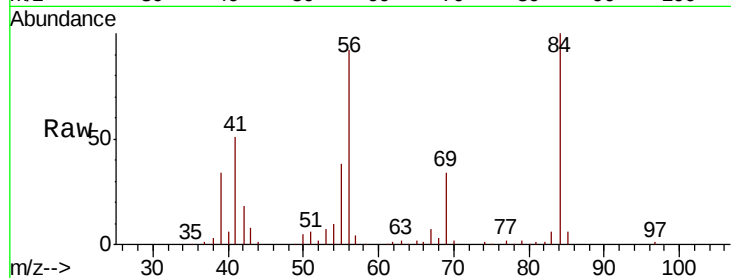
Tot Ion: 56 Resp: 100994

Ion Ratio Lower Upper

56 100

69 36.7 29.6 44.4

84 109.7 88.5 132.7



#30

1,1,1-Trichloroethane

Concen: 49.618 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

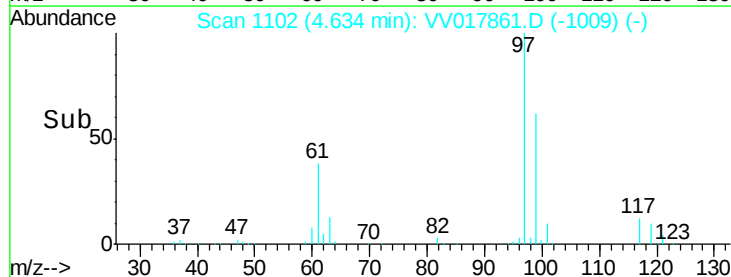
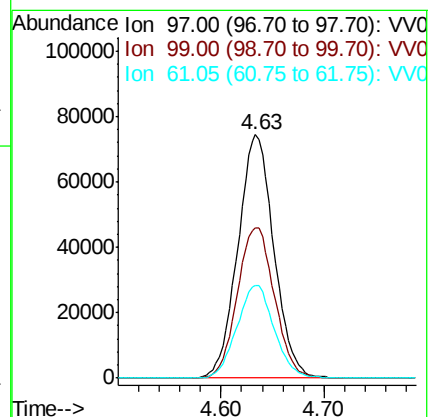
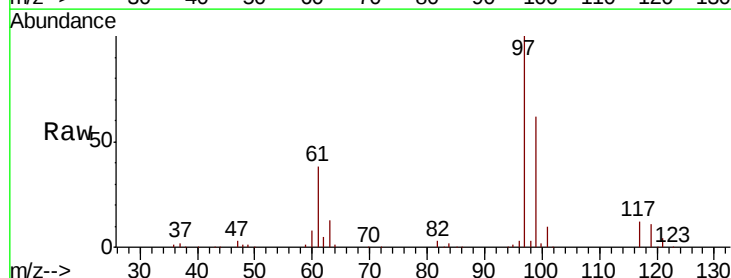
Tgt Ion: 97 Resp: 181165

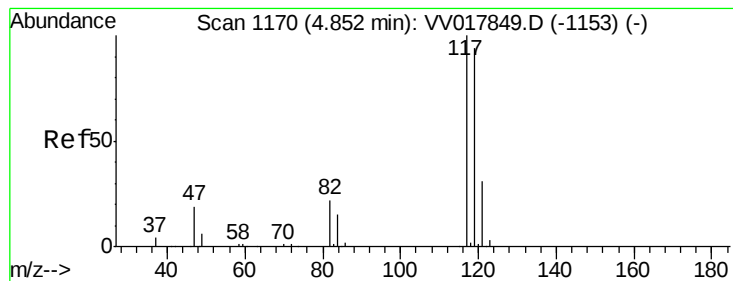
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.6

61 39.3 31.5 47.3





#31

Carbon tetrachloride

Concen: 47.812 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

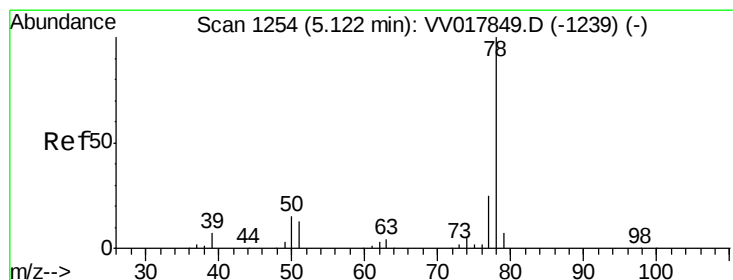
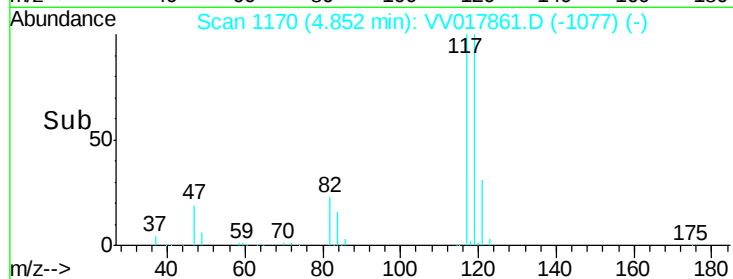
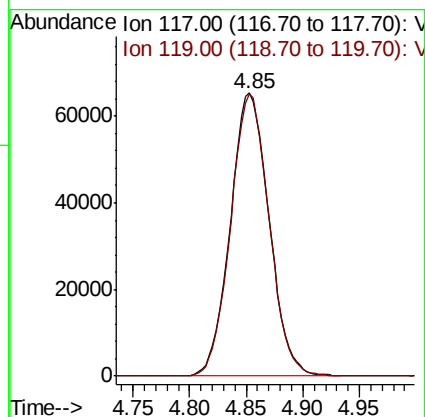
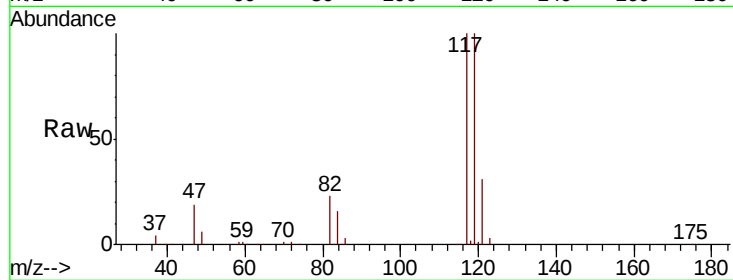
VSTD05093

Tot Ion:117 Resp: 155828

Ion Ratio Lower Upper

117 100

119 98.7 78.2 117.4



#33

Benzene

Concen: 51.011 ug/L

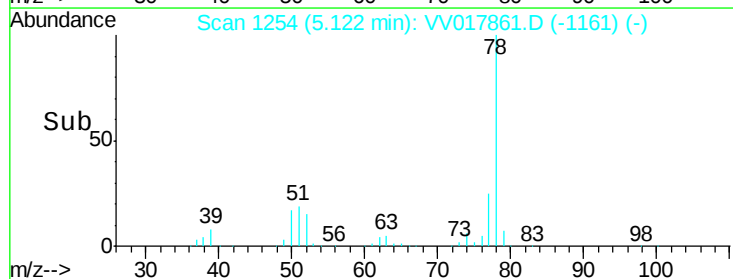
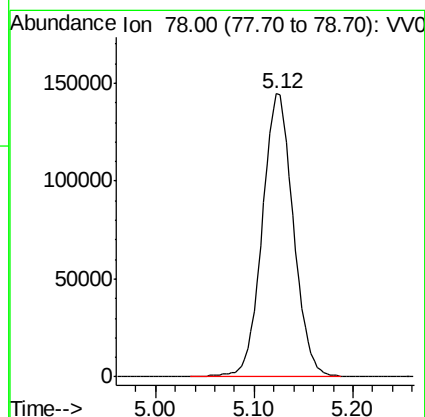
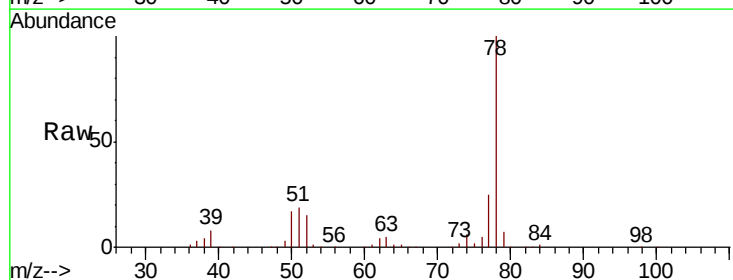
RT: 5.12 min Scan# 1254

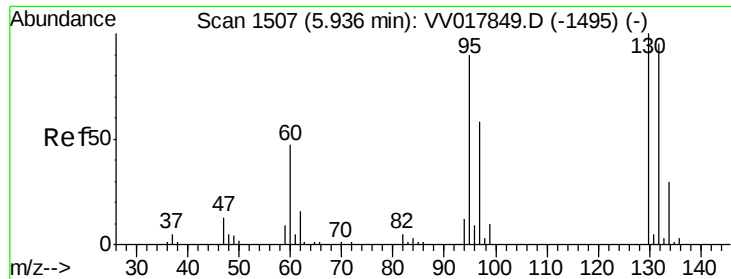
Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Tgt Ion: 78 Resp: 314688

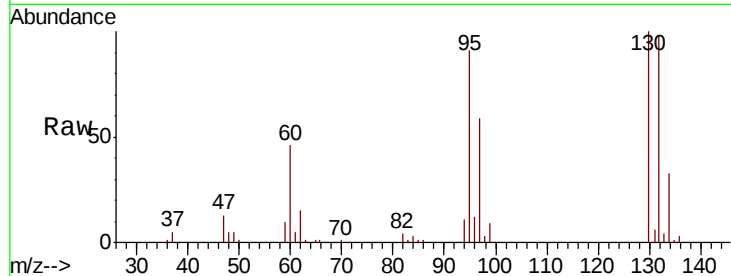




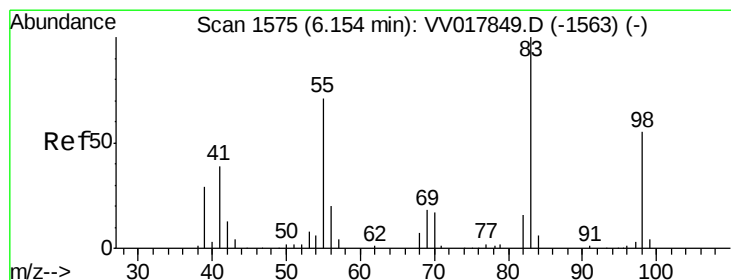
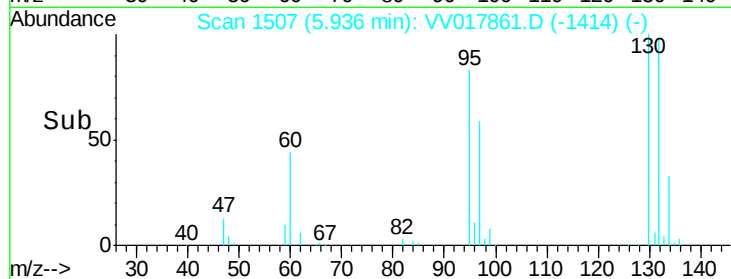
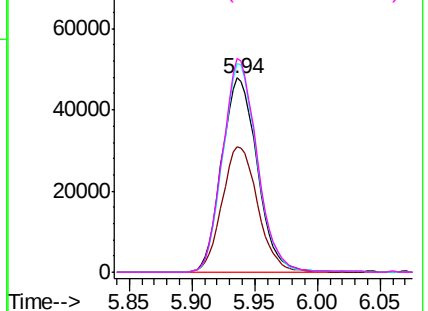
#34
 Trichloroethene
 Concen: 50.790 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Tot Ion: 95 Resp: 94656
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 107.4 73.6 136.8
 130 110.1 77.6 144.0

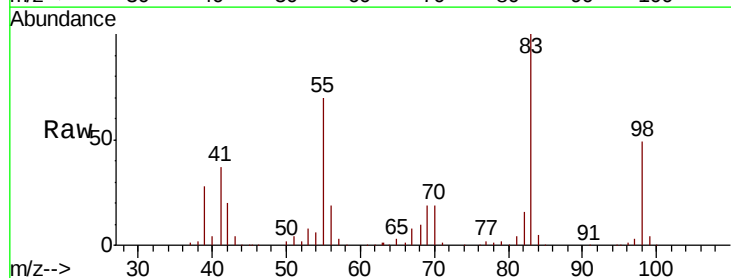


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

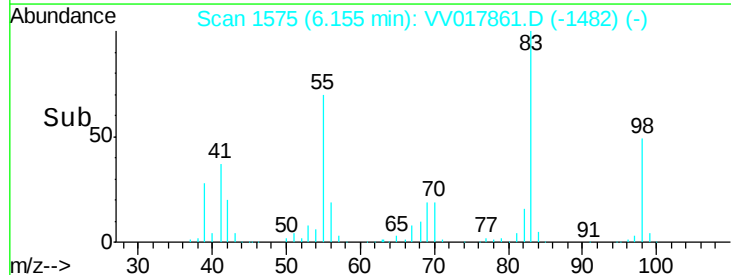
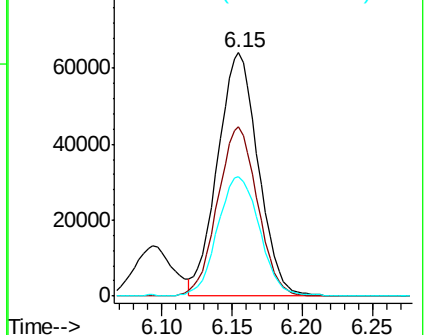


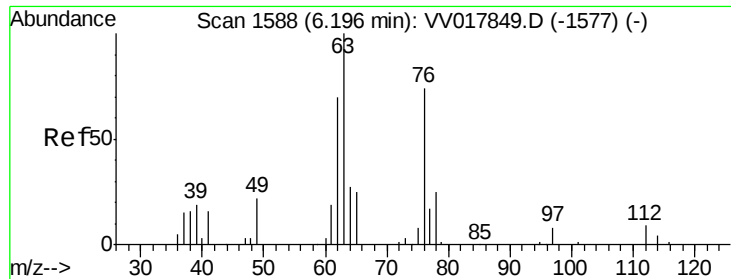
#35
 Methylcyclohexane
 Concen: 48.526 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion: 83 Resp: 128791
 Ion Ratio Lower Upper
 83 100
 55 68.5 54.6 82.0
 98 50.6 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

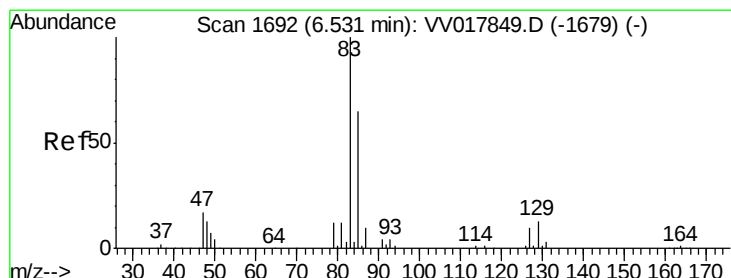
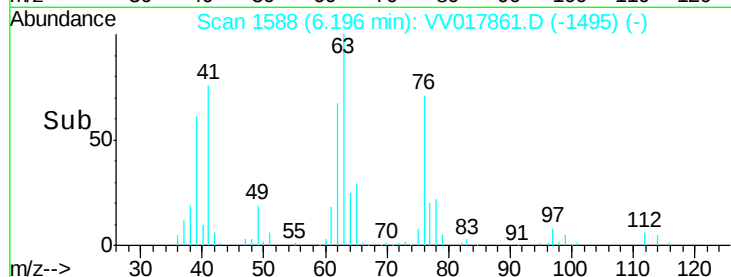
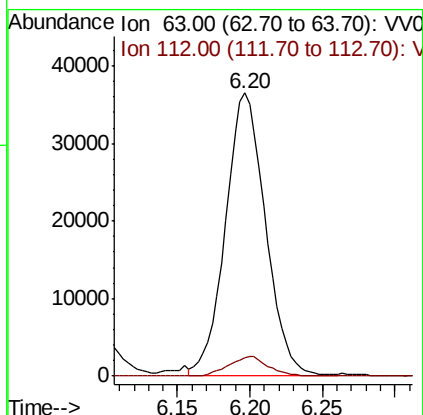
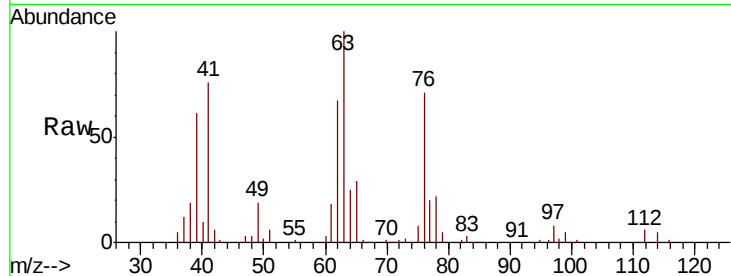




#37
 1,2-Dichloropropane
 Concen: 52.095 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

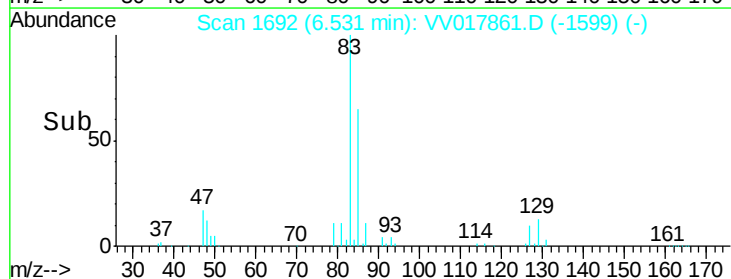
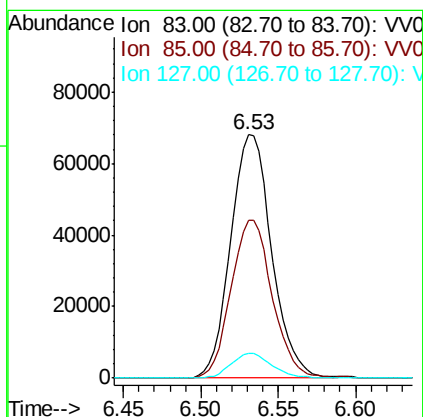
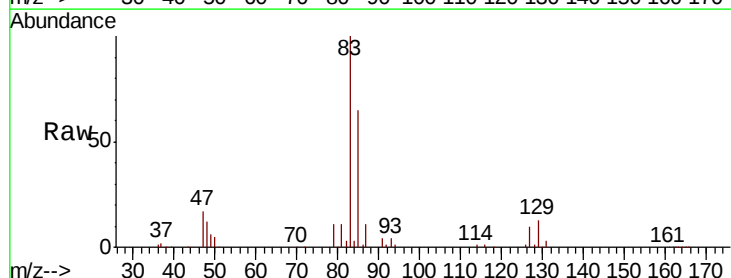
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

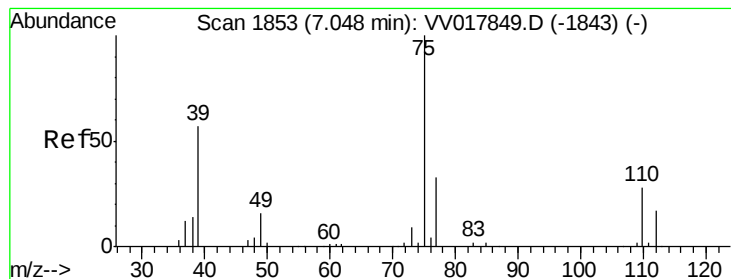
Tot Ion: 63 Resp: 70283
 Ion Ratio Lower Upper
 63 100
 112 6.8 5.8 8.6



#38
 Bromodichloromethane
 Concen: 51.302 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion: 83 Resp: 125683
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.4 84.2
 127 10.4 7.8 11.8



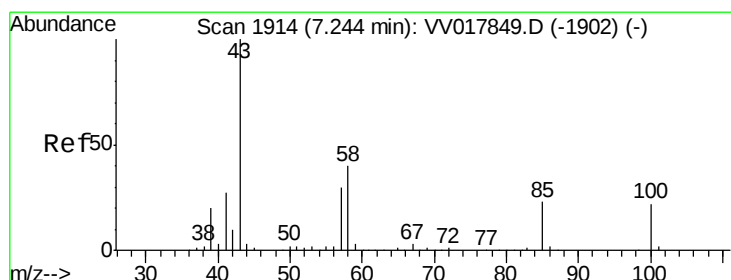
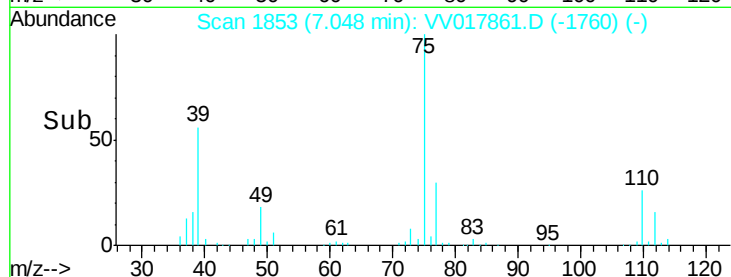
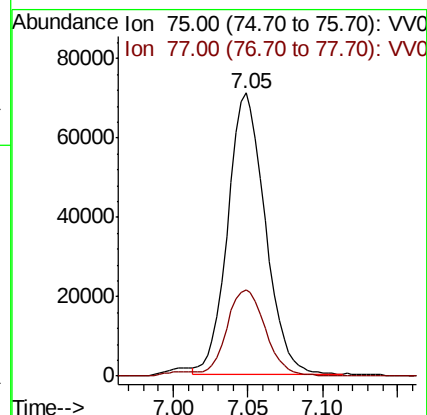
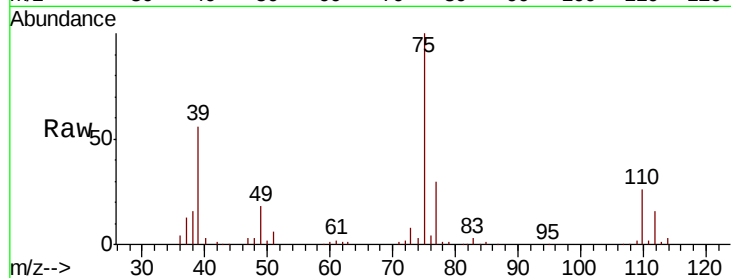


#39

cis-1,3-Dichloropropene
Concen: 53.280 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

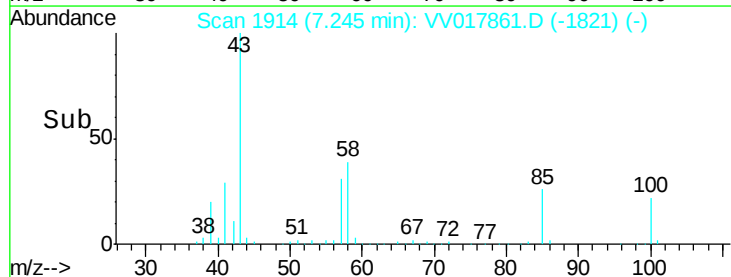
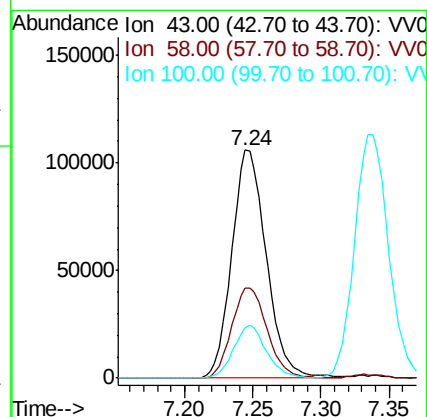
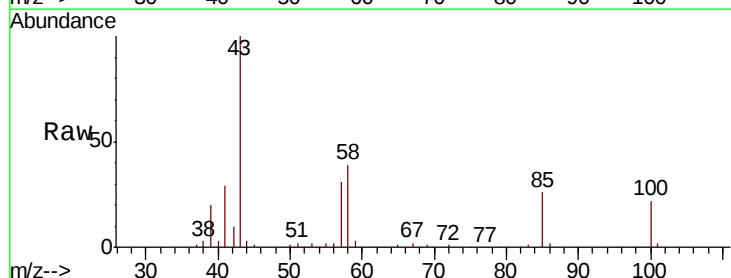
Tot Ion: 75 Resp: 123619
Ion Ratio Lower Upper
75 100
77 30.5 23.7 44.1

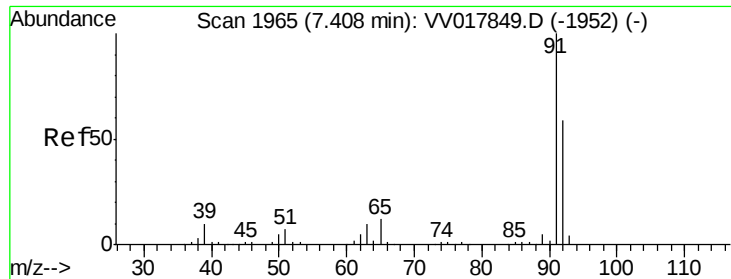


#40

4-Methyl-2-pentanone
Concen: 106.009 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

Tgt Ion: 43 Resp: 186581
Ion Ratio Lower Upper
43 100
58 40.6 32.3 48.5
100 22.1 17.4 26.0





#42

Toluene

Concen: 50.958 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

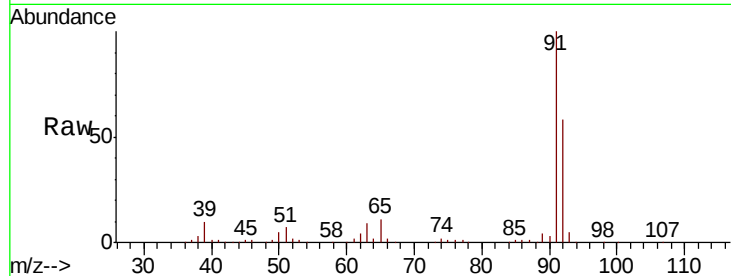
VSTD05093

Tot Ion: 91 Resp: 366391

Ion Ratio Lower Upper

91 100

92 58.3 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV017849.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017849.D (-1952) (-)

7.41

250000

200000

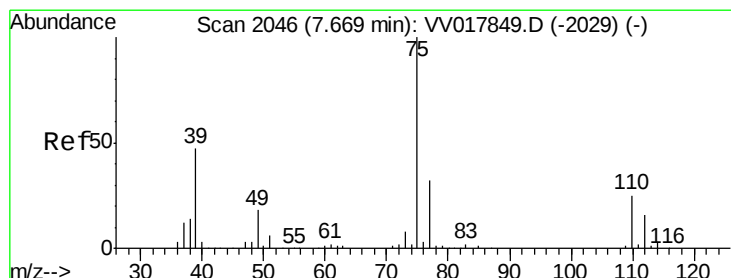
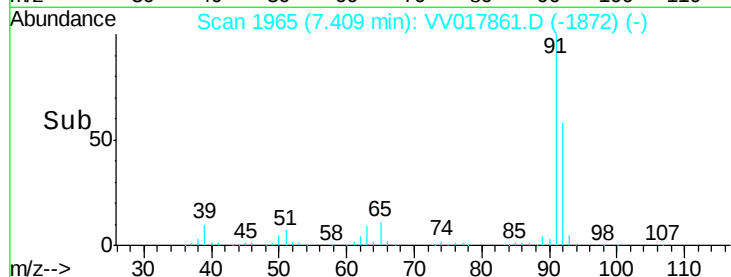
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.682 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017861.D

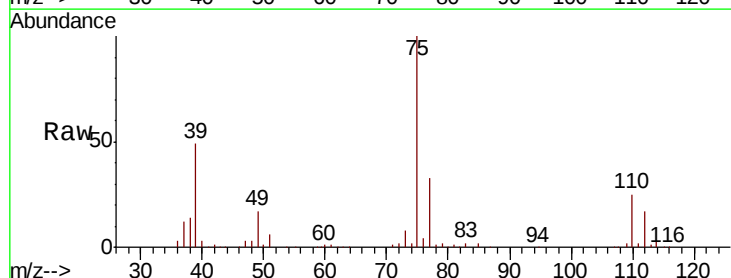
Acq: 08 Aug 2020 17:43

Tgt Ion: 75 Resp: 135778

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2029) (-)

7.67

80000

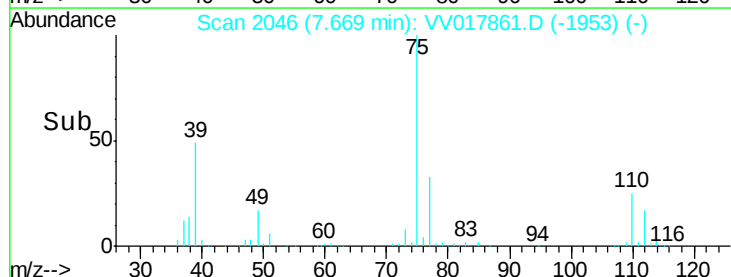
60000

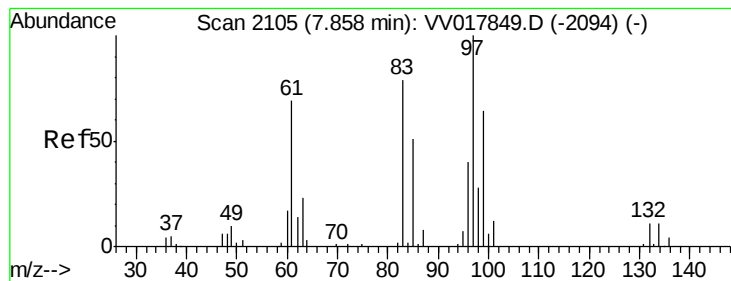
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.008 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 97 Resp: 86592

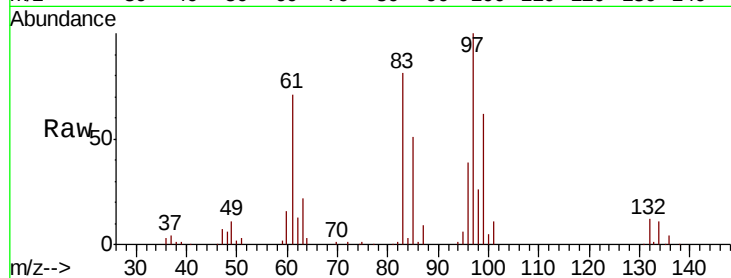
Ion Ratio Lower Upper

97 100

99 61.8 44.7 82.9

83 81.3 55.7 103.5

85 51.4 35.4 65.8



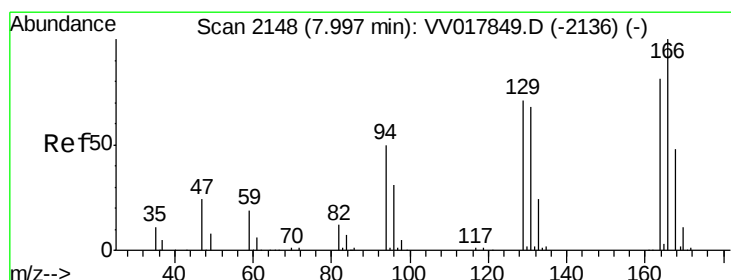
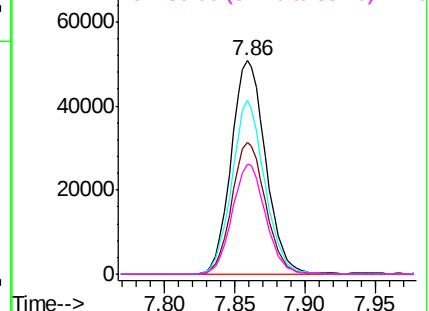
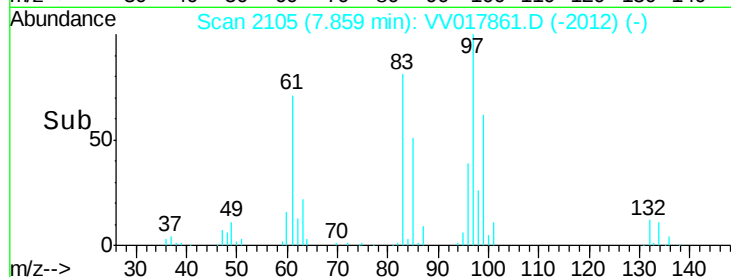
Abundance

Ion 97.00 (96.70 to 97.70): VV017861.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV017861.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV017861.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV017861.D (-2012) (-)



#46

Tetrachloroethene

Concen: 50.477 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Tgt Ion: 164 Resp: 88665

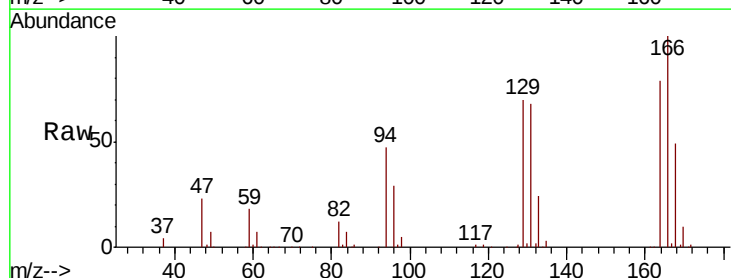
Ion Ratio Lower Upper

164 100

129 88.3 61.6 114.4

131 86.1 59.6 110.8

166 126.4 87.2 161.9



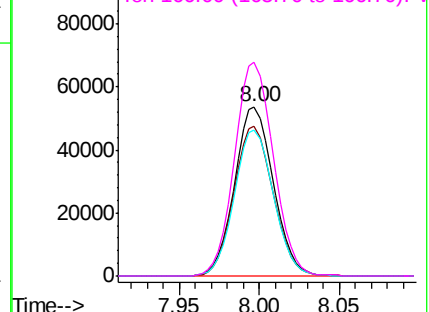
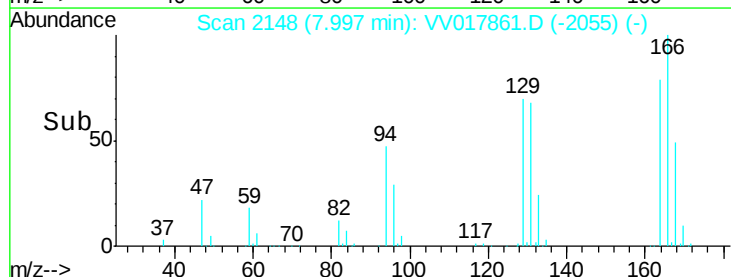
Abundance

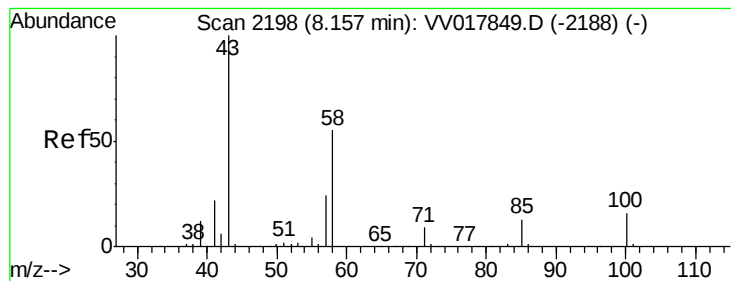
Ion 164.00 (163.70 to 164.70): VV017861.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV017861.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV017861.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV017861.D (-2055) (-)





#48

2-Hexanone

Concen: 98.972 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 43 Resp: 145839

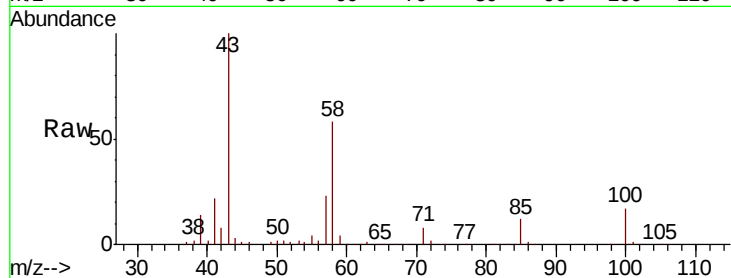
Ion Ratio Lower Upper

43 100

58 55.9 43.8 65.8

57 23.3 18.0 27.0

100 17.5 13.8 20.8

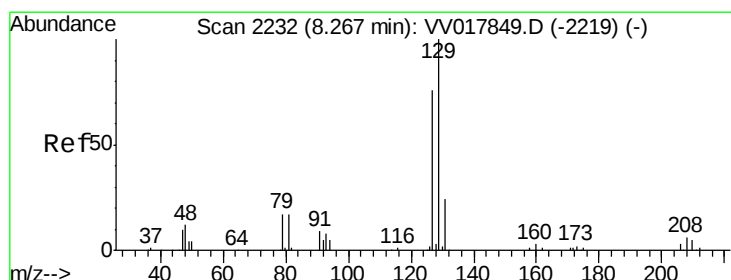
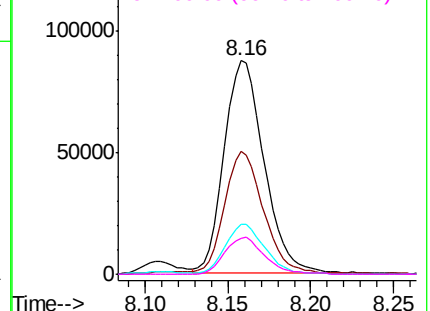
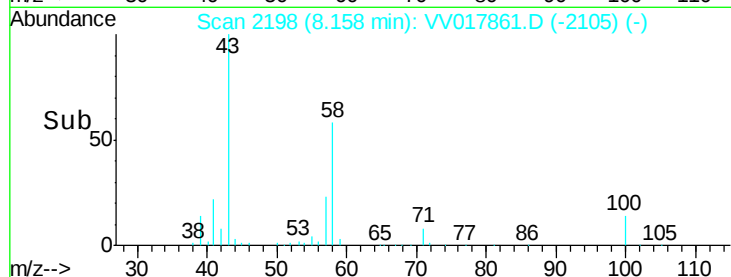


Abundance Ion 43.00 (42.70 to 43.70): VV017861.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV017861.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV017861.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV017861.D (-2105) (-)



#49

Dibromochloromethane

Concen: 53.432 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017861.D

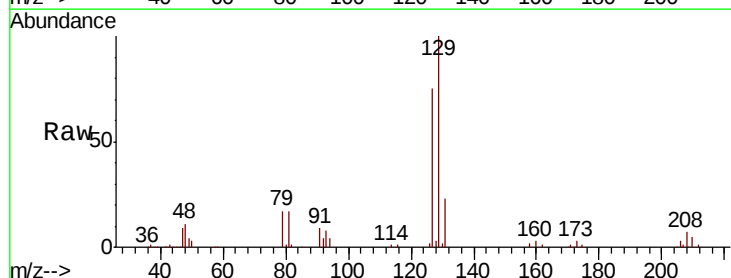
Acq: 08 Aug 2020 17:43

Tgt Ion: 129 Resp: 100957

Ion Ratio Lower Upper

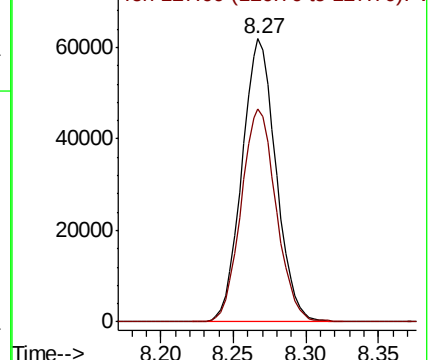
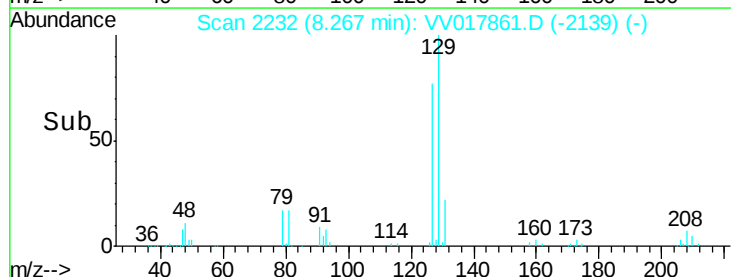
129 100

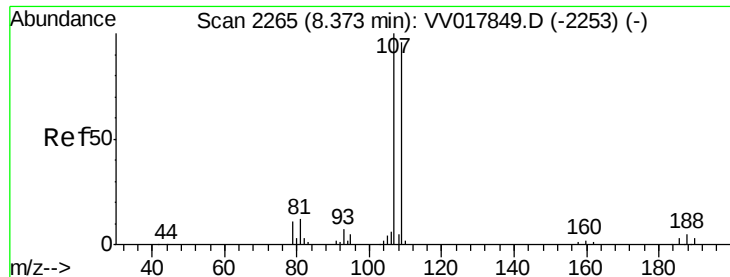
127 75.3 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017861.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV017861.D (-2139) (-)

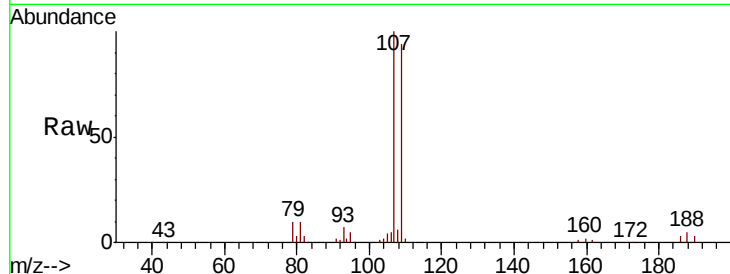




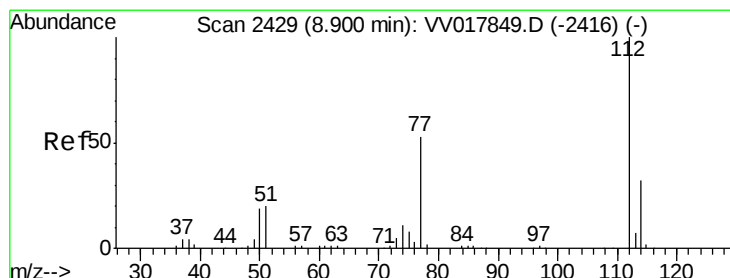
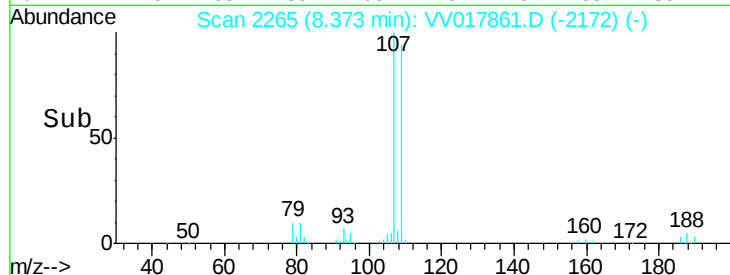
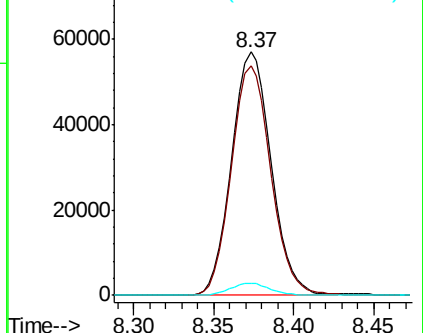
#50
1,2-Dibromoethane
Concen: 51.344 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Tot Ion:107 Resp: 96072
Ion Ratio Lower Upper
107 100
109 94.0 67.3 125.1
188 4.9 4.3 6.5

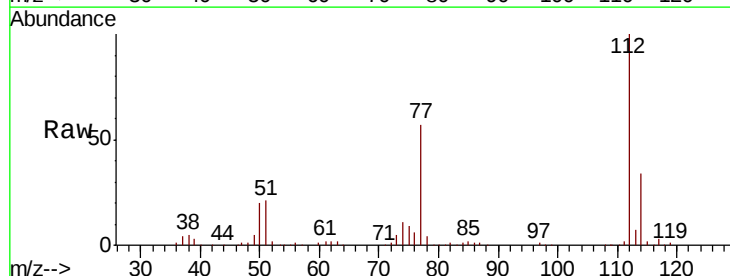


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

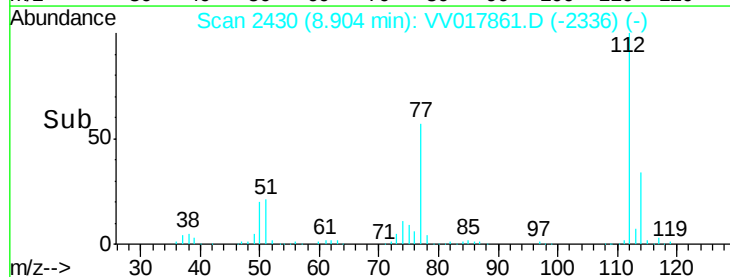
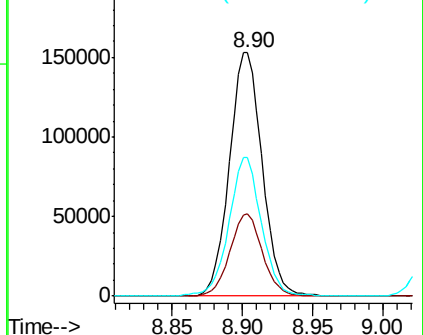


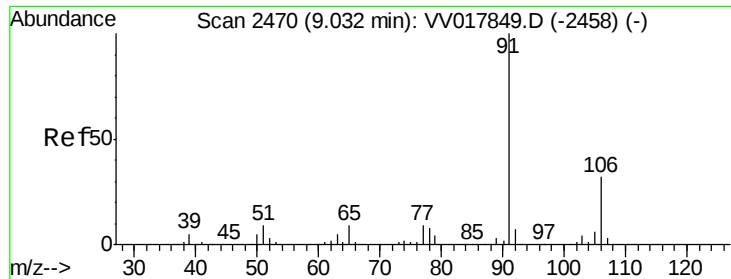
#51
Chlorobenzene
Concen: 49.789 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017861.D
Acq: 08 Aug 2020 17:43

Tgt Ion:112 Resp: 249047
Ion Ratio Lower Upper
112 100
114 33.9 22.4 41.6
77 56.8 42.7 64.1



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): V





#52

Ethylbenzene

Concen: 51.358 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

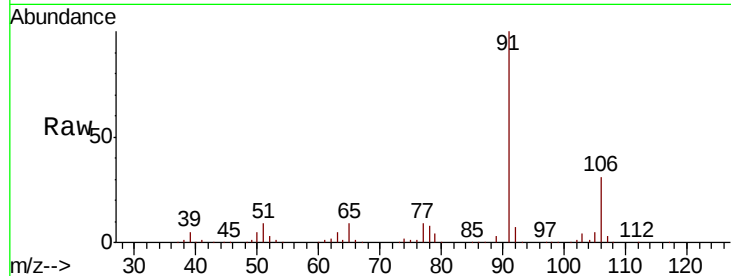
VSTD05093

Tot Ion: 91 Resp: 424292

Ion Ratio Lower Upper

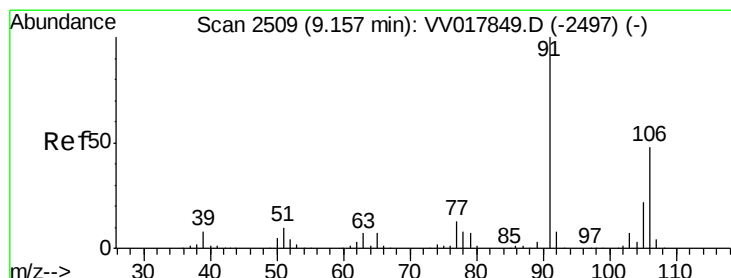
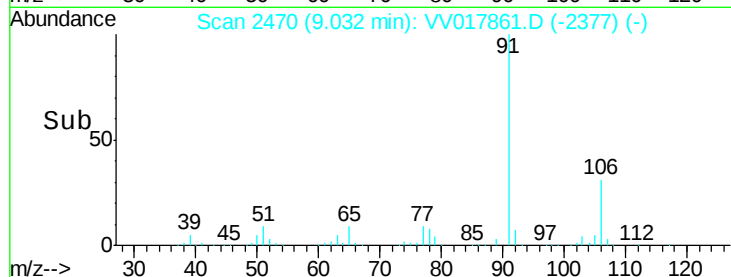
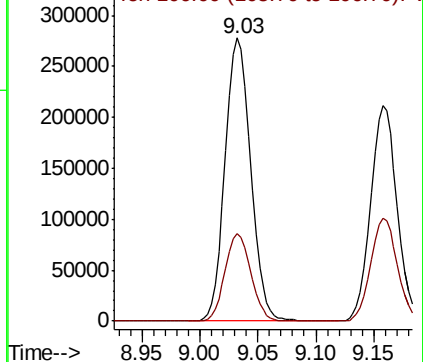
91 100

106 30.8 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017861.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017861.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.574 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017861.D

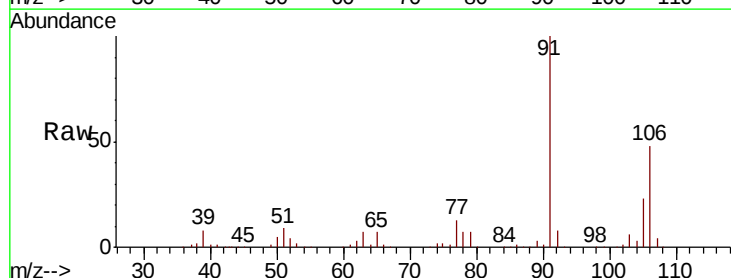
Acq: 08 Aug 2020 17:43

Tgt Ion: 106 Resp: 162410

Ion Ratio Lower Upper

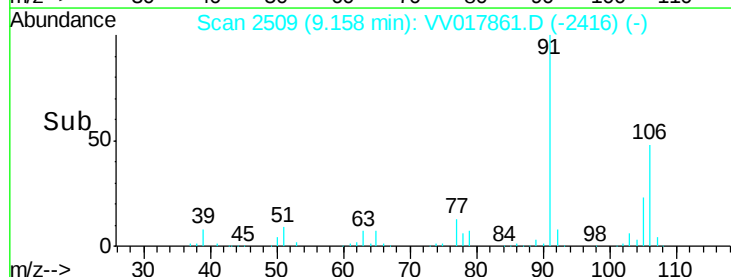
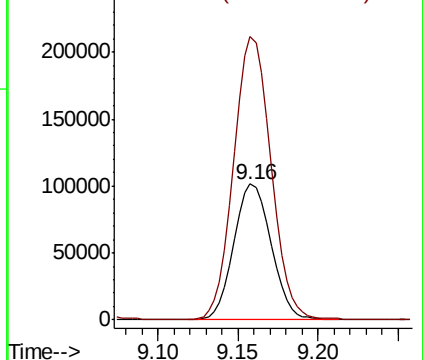
106 100

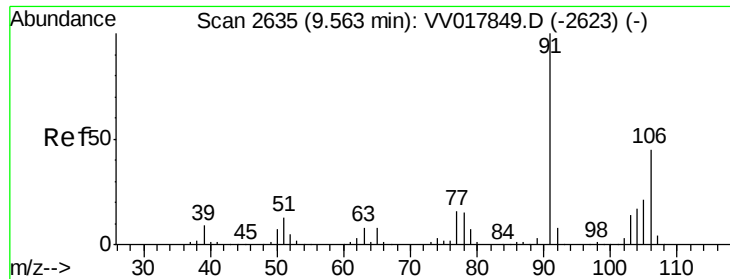
91 208.3 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017861.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017861.D (-2416) (-)





#54

o-xylene

Concen: 51.319 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

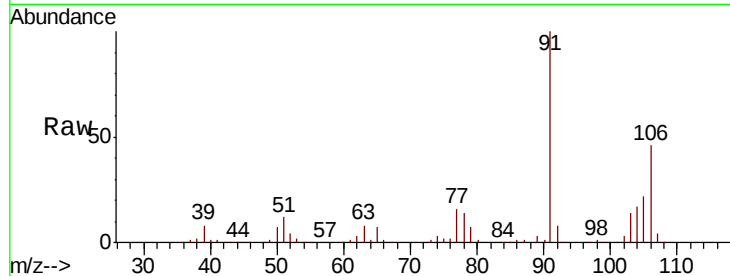
VSTD05093

Tot Ion:106 Resp: 161849

Ion Ratio Lower Upper

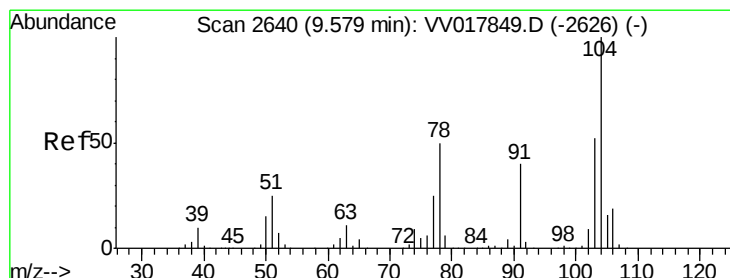
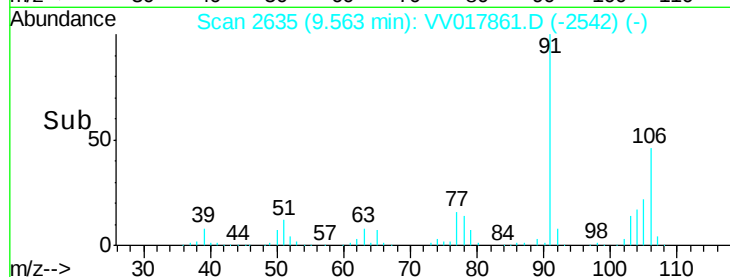
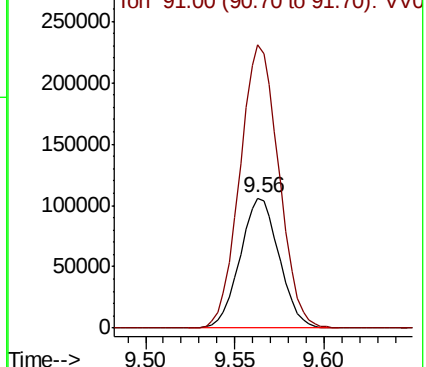
106 100

91 217.7 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.056 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017861.D

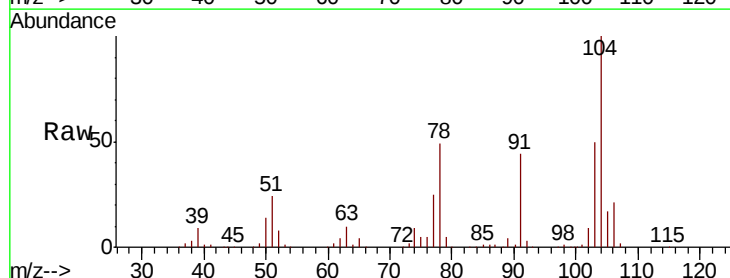
Acq: 08 Aug 2020 17:43

Tgt Ion:104 Resp: 276114

Ion Ratio Lower Upper

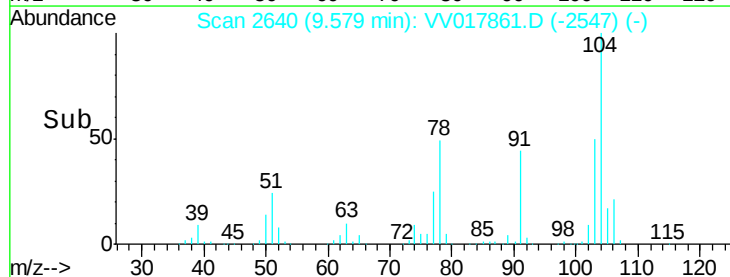
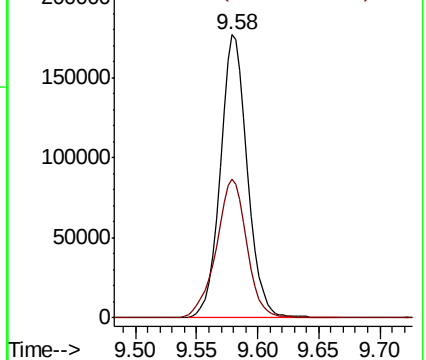
104 100

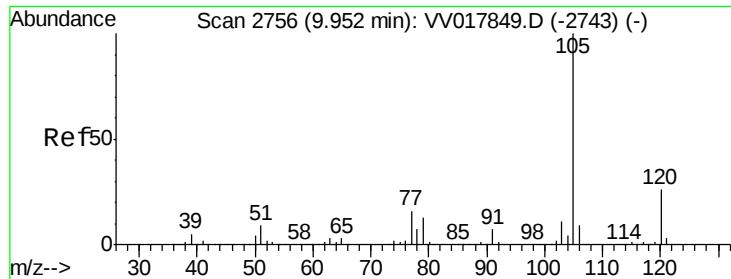
78 48.8 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.093 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

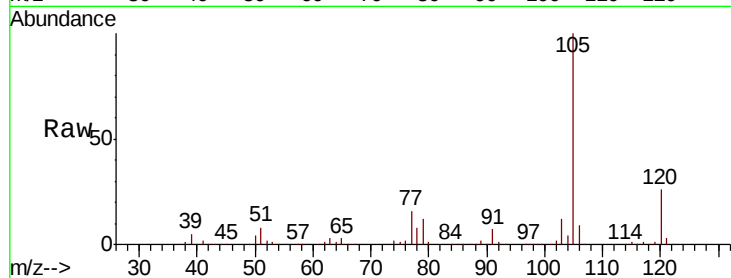
Tot Ion:105 Resp: 445372

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

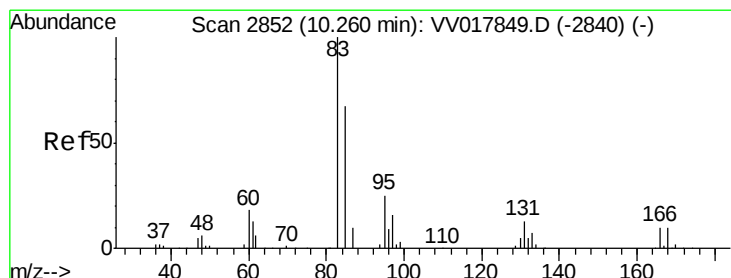
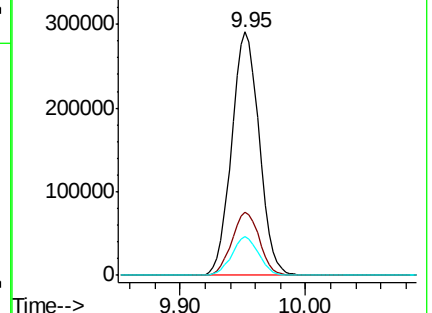
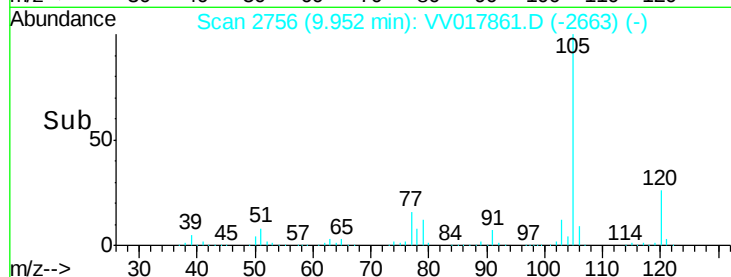
77 15.5 13.0 19.4



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: 51.295 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

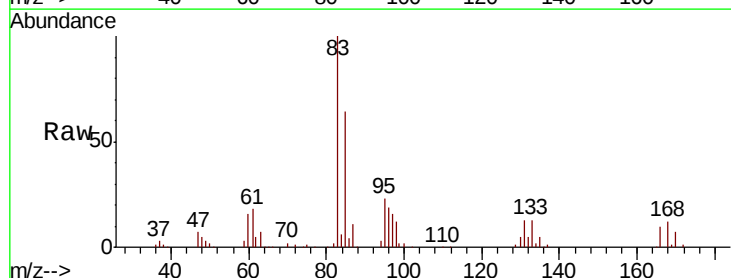
Tgt Ion: 83 Resp: 117288

Ion Ratio Lower Upper

83 100

85 64.3 47.5 88.1

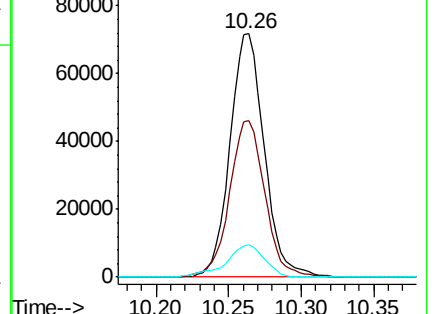
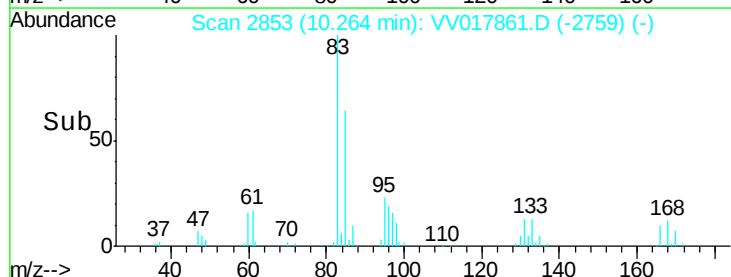
131 13.1 11.1 16.7

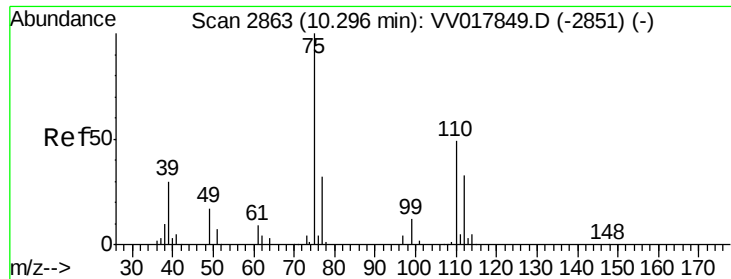


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

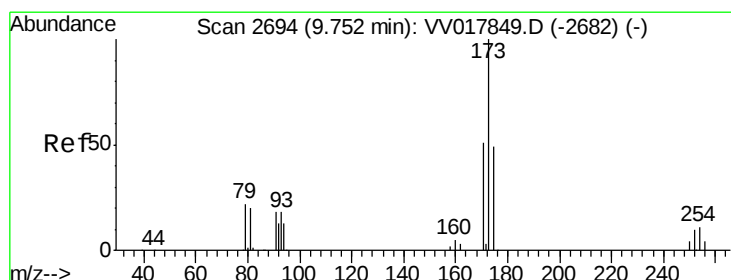
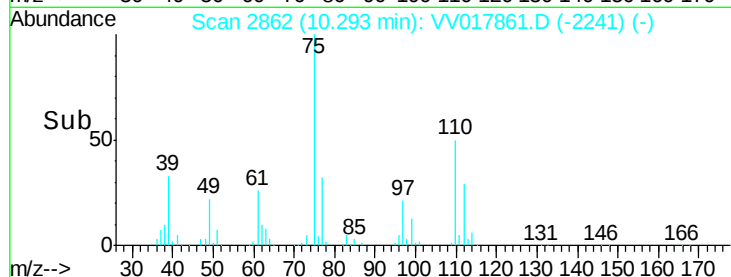
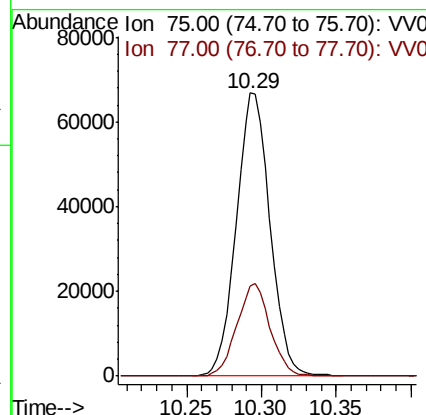
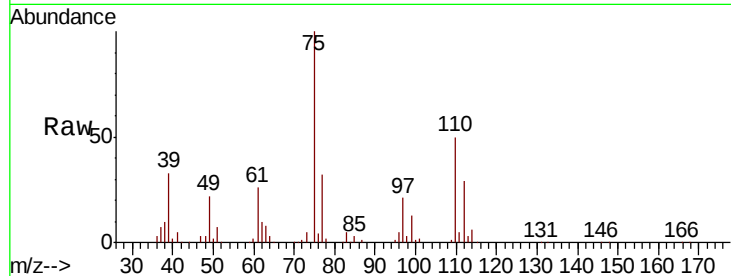




#59
 1,2,3-Trichloropropane
 Concen: 50.428 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

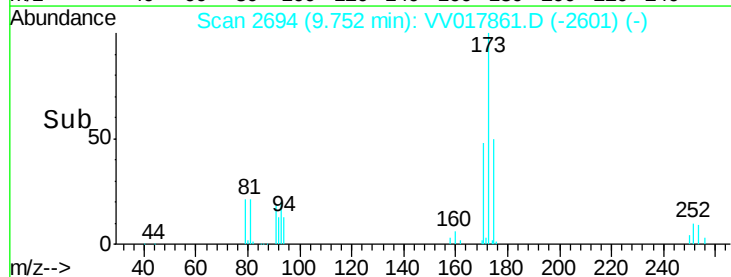
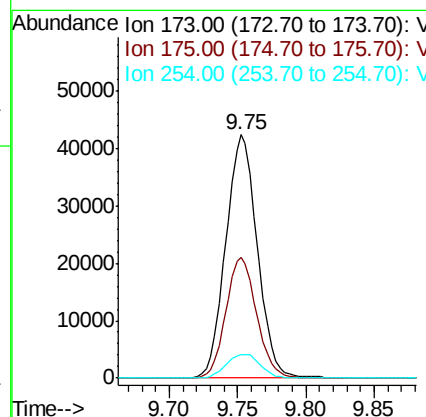
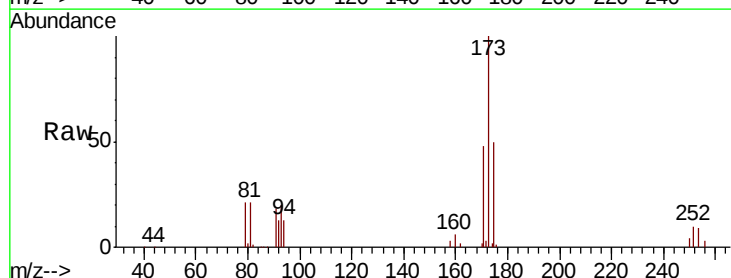
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

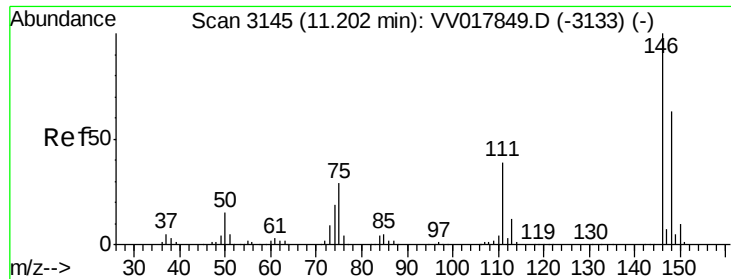
Tot Ion: 75 Resp: 104762
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#61
 Bromoform
 Concen: 54.805 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion: 173 Resp: 67986
 Ion Ratio Lower Upper
 173 100
 175 48.2 40.6 60.8
 254 10.5 8.2 12.2





#62

1,3-Dichlorobenzene

Concen: 50.211 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

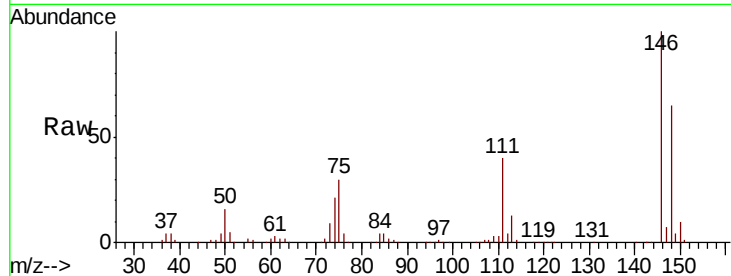
Tot Ion:146 Resp: 221588

Ion Ratio Lower Upper

146 100

111 40.2 27.1 50.3

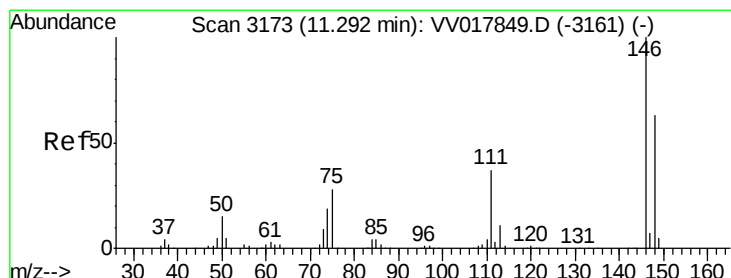
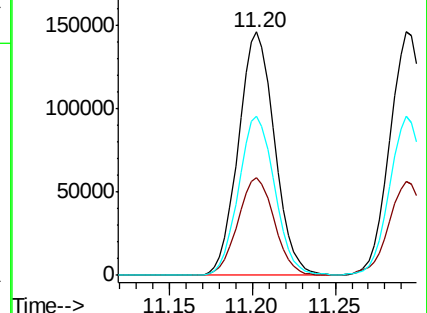
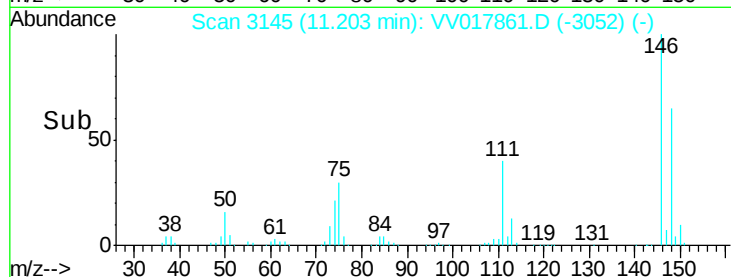
148 65.4 43.8 81.4



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: 50.001 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

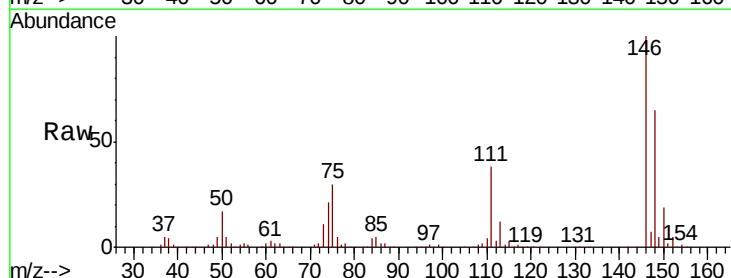
Tgt Ion:146 Resp: 224129

Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.8

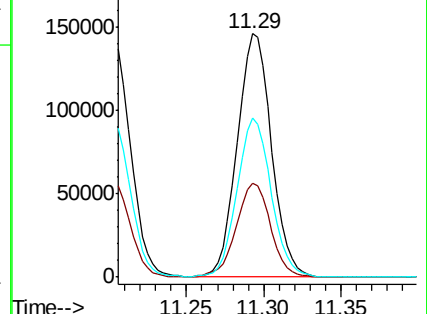
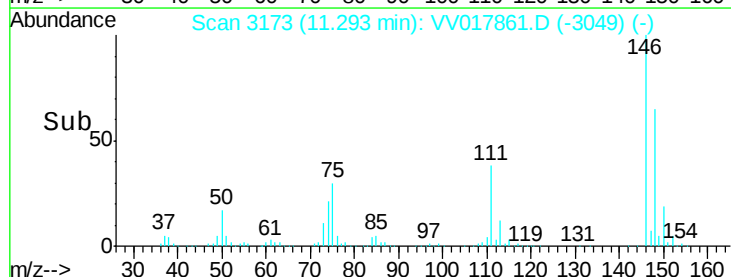
148 65.3 44.3 82.3

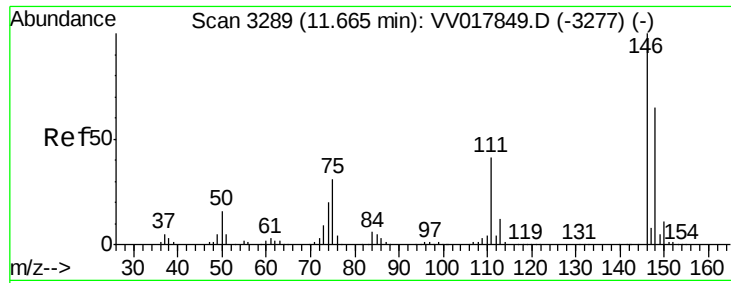


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

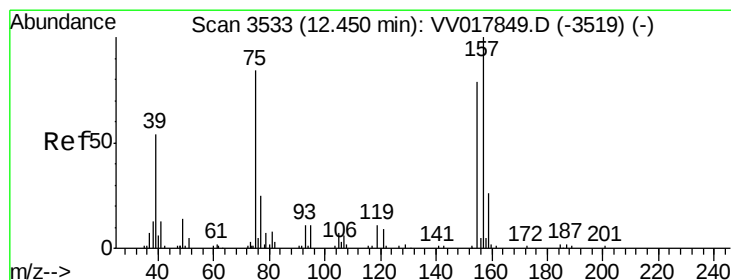
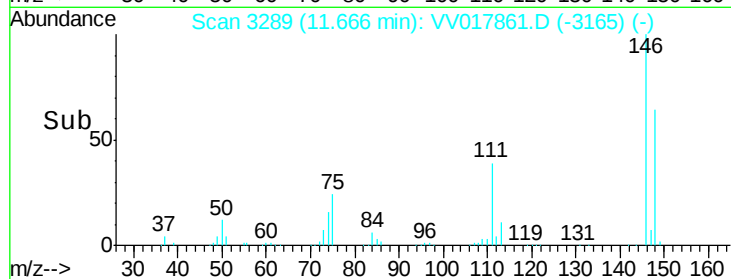
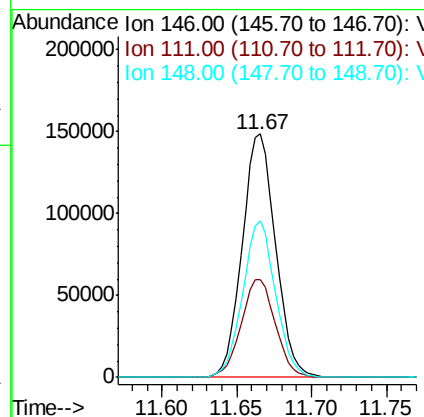
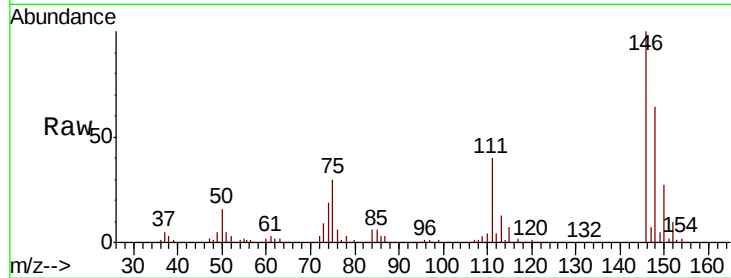




#65
 1,2-Dichlorobenzene
 Concen: 51.422 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

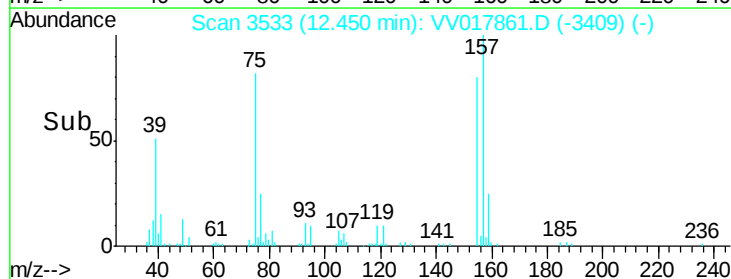
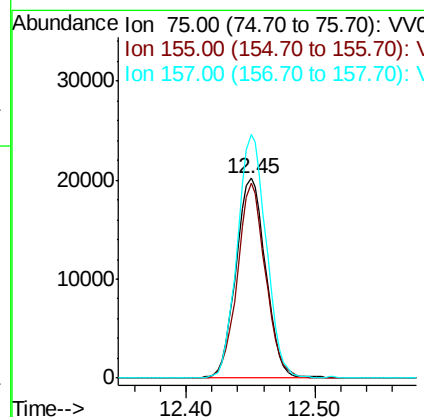
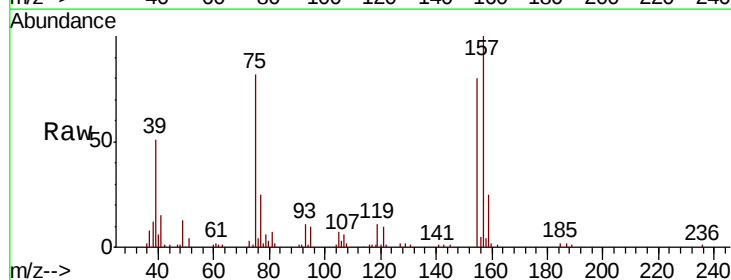
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

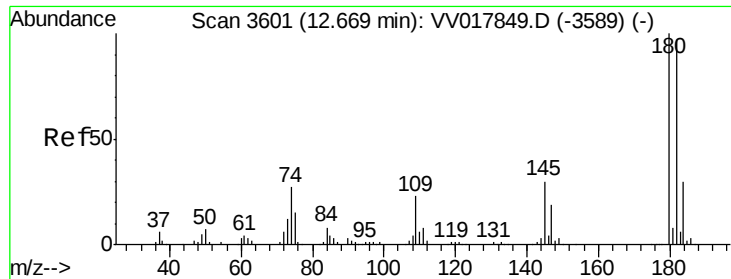
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.9	49.3
148	64.3	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.058 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	75.0	112.6
157	121.7	95.0	142.4

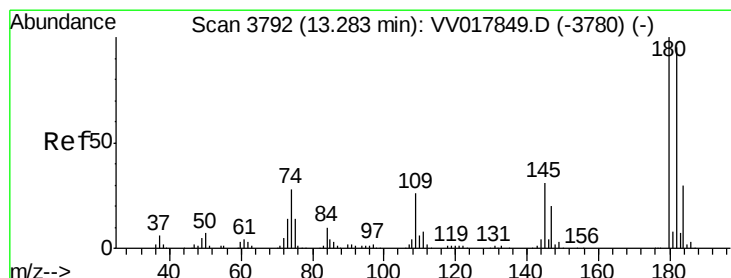
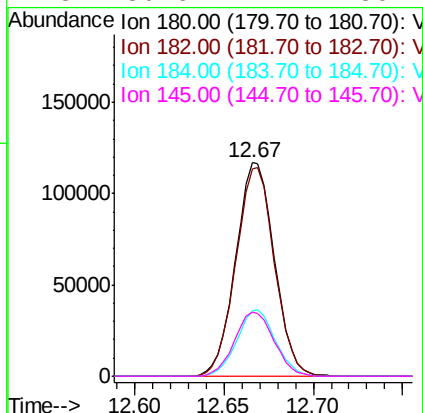
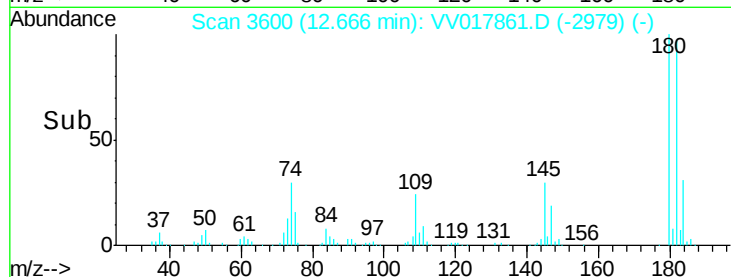
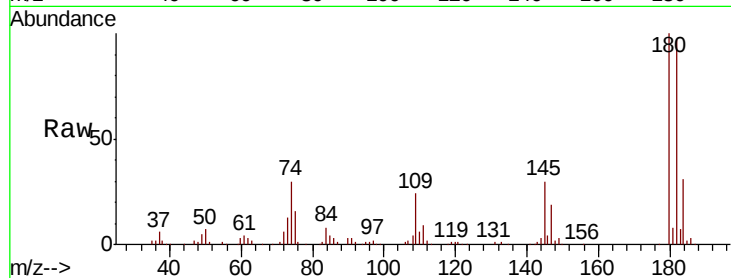




#67
 1,3,5-Trichlorobenzene
 Concen: 49.431 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

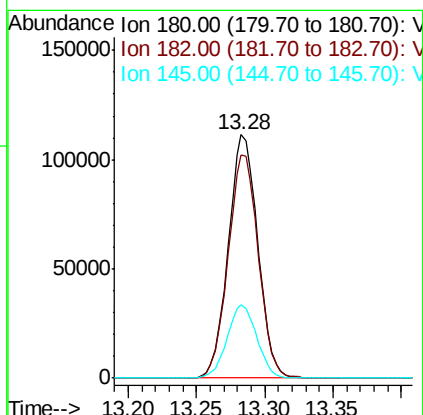
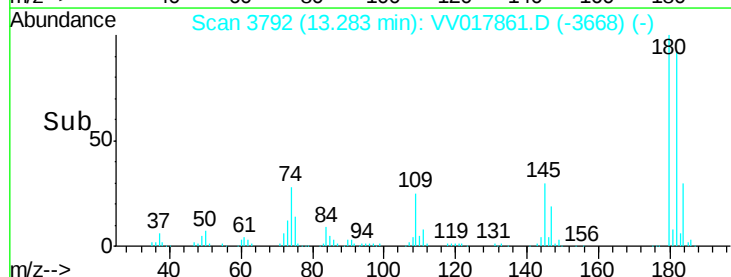
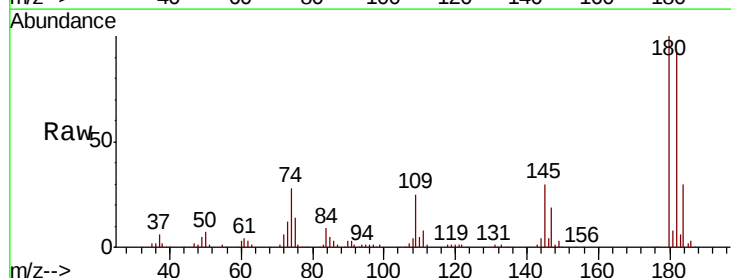
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

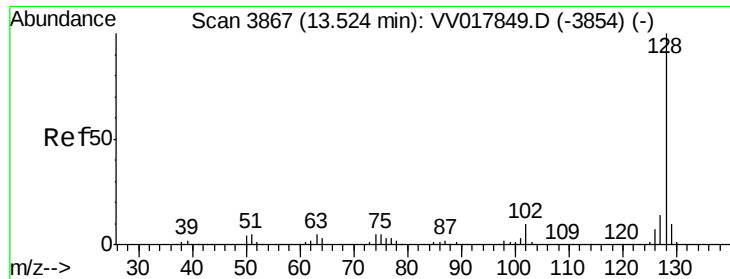
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.7	115.1
184	30.9	24.4	36.6
145	30.6	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 53.299 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017861.D
 Acq: 08 Aug 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.6	113.4
145	30.3	24.1	36.1





#69

Naphthalene

Concen: 54.956 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

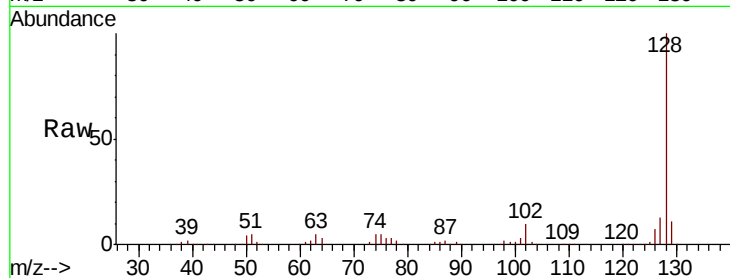
Tot Ion:128 Resp: 440872

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

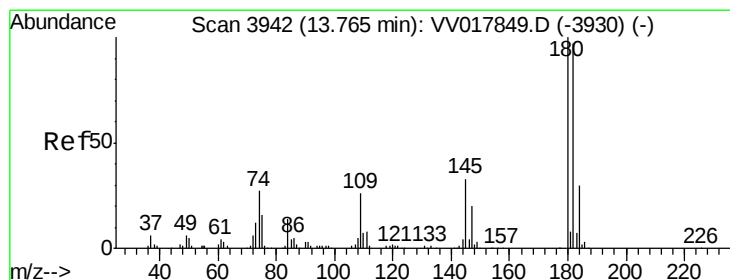
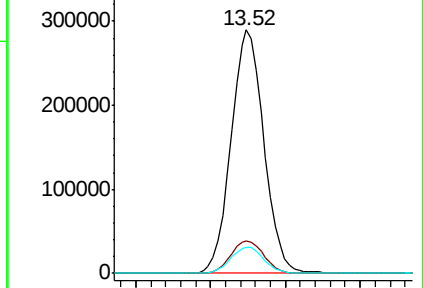
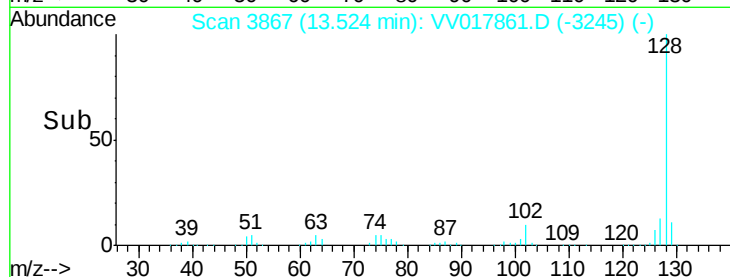
129 10.9 8.5 12.7



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: 52.349 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV017861.D

Acq: 08 Aug 2020 17:43

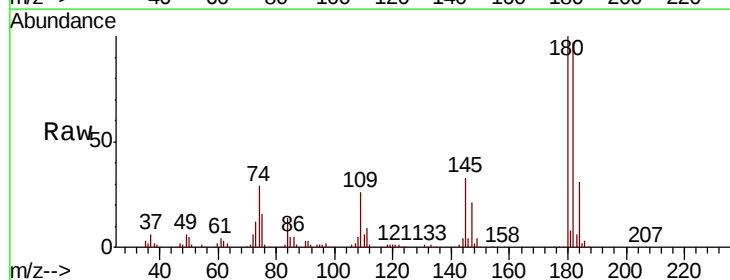
Tgt Ion:180 Resp: 166002

Ion Ratio Lower Upper

180 100

182 96.1 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

