

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017803.D
 Acq On : 06 Aug 2020 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Aug 07 05:24:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 16:25:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	223009	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216173	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131085	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	45473	41.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.64%
7) Chloroethane-d5	1.58	69	41684	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.78%
11) 1,1-Dichloroethene-d2	2.12	63	122299	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	3.90	46	76801	93.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.92%
24) Chloroform-d	4.37	84	143373	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
26) 1,2-Dichloroethane-d4	5.05	65	109924	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
32) Benzene-d6	5.07	84	232099	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.76%
36) 1,2-Dichloropropane-d6	6.09	67	60769	43.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.04%
41) Toluene-d8	7.33	98	236078	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	7.64	79	45148	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.72%
47) 2-Hexanone-d5	8.11	63	58523	96.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	95604	44.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	121465	47.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	105914	47.309	ug/L 99
3) Chloromethane	1.25	50	62246	41.667	ug/L 96
5) Vinyl chloride	1.32	62	68844	43.516	ug/L 97
6) Bromomethane	1.53	94	51417	54.641	ug/L 98
8) Chloroethane	1.59	64	44979	46.967	ug/L 99
9) Trichlorofluoromethane	1.76	101	167086	53.772	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	70514	49.047	ug/L 94
12) 1,1-Dichloroethene	2.13	96	65116	48.515	ug/L 95
13) Acetone	2.18	43	109868	105.794	ug/L 99
14) Carbon disulfide	2.31	76	188292	45.527	ug/L 99
15) Methyl Acetate	2.44	43	57218	42.364	ug/L 93
16) Methylene chloride	2.52	84	72943	46.089	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	68339	45.155	ug/L 94
18) Methyl tert-butyl Ether	2.78	73	242849	48.818	ug/L 96
19) 1,1-Dichloroethane	3.21	63	116099	43.962	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	75897	46.951	ug/L 96
22) 2-Butanone	3.98	43	97977	101.567	ug/L 96

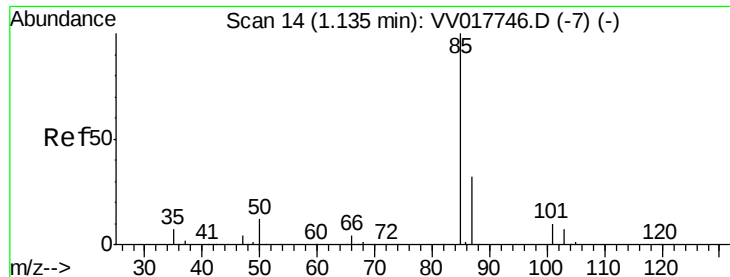
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017803.D
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 16:25:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	45943	50.306	ug/L	91
25) Chloroform	4.40	83	148150	48.405	ug/L	97
27) 1,2-Dichloroethane	5.15	62	137377	50.585	ug/L	99
29) Cyclohexane	4.70	56	87738	40.065	ug/L	89
30) 1,1,1-Trichloroethane	4.63	97	155425	49.871	ug/L	98
31) Carbon tetrachloride	4.85	117	149141	52.502	ug/L	99
33) Benzene	5.12	78	263572	44.954	ug/L	100
34) Trichloroethene	5.94	95	80313	48.196	ug/L	96
35) Methylcyclohexane	6.15	83	112854	46.166	ug/L	96
37) 1,2-Dichloropropane	6.19	63	57985	43.148	ug/L	97
38) Bromodichloromethane	6.53	83	118099	49.411	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	118740	48.117	ug/L	96
40) 4-Methyl-2-pentanone	7.24	43	161727	88.299	ug/L	96
42) Toluene	7.41	91	305012	46.829	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	129215	51.021	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	72730	47.519	ug/L	97
46) Tetrachloroethene	8.00	164	75089	50.860	ug/L	98
48) 2-Hexanone	8.16	43	147138	98.739	ug/L	98
49) Dibromochloromethane	8.26	129	103551	51.725	ug/L	95
50) 1,2-Dibromoethane	8.37	107	80337	48.205	ug/L	93
51) Chlorobenzene	8.90	112	213747	47.832	ug/L	98
52) Ethylbenzene	9.03	91	357179	47.865	ug/L	97
53) m,p-Xylene	9.16	106	141349	49.411	ug/L	98
54) o-xylene	9.56	106	135944	49.108	ug/L	99
55) Styrene	9.58	104	241748	50.206	ug/L	99
56) Isopropylbenzene	9.95	105	382982	50.546	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	98301	44.126	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	92680	47.390	ug/L	98
61) Bromoform	9.75	173	84777	52.353	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	201996	48.220	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	204218	47.979	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	202074	47.981	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34261	52.057	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	167903	51.257	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	158044	55.591	ug/L	99
69) Naphthalene	13.52	128	425361	56.716	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	162687	57.698	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 47.309 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

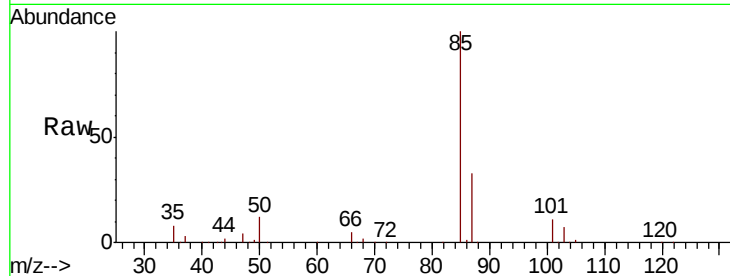
VSTD05089

Tot Ion: 85 Resp: 105914

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017746.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017746.D (-7) (-)

1.14

120000

100000

80000

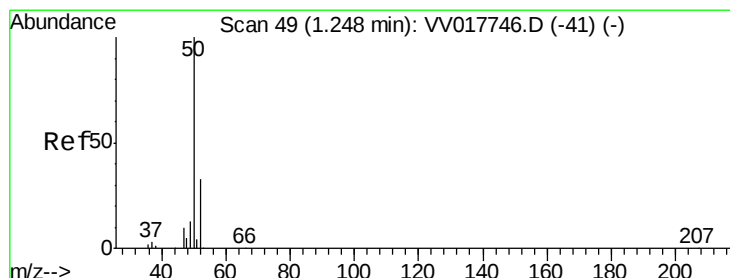
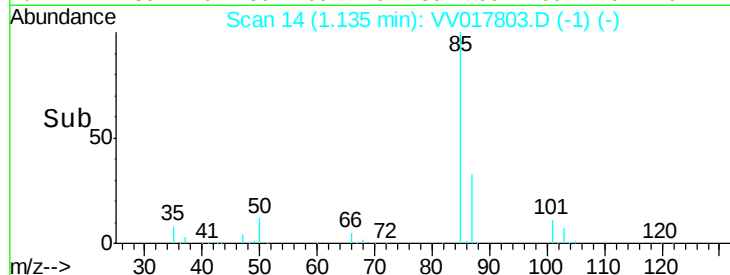
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 41.667 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017803.D

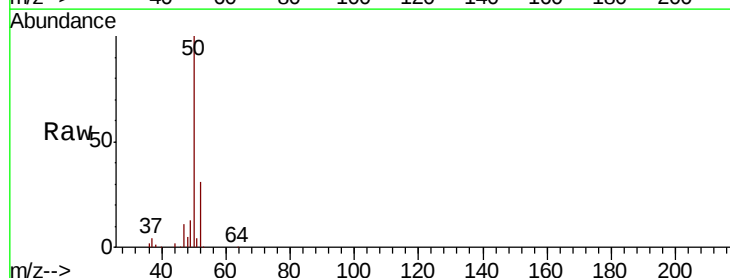
Acq: 06 Aug 2020 10:06

Tgt Ion: 50 Resp: 62246

Ion Ratio Lower Upper

50 100

52 31.3 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017746.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017746.D (-41) (-)

1.25

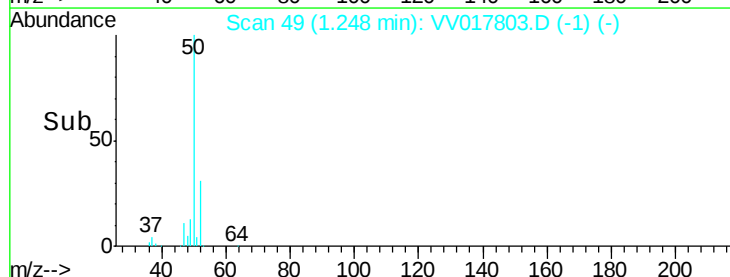
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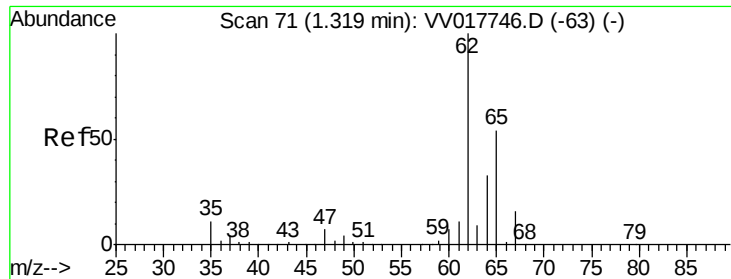
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 43.516 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

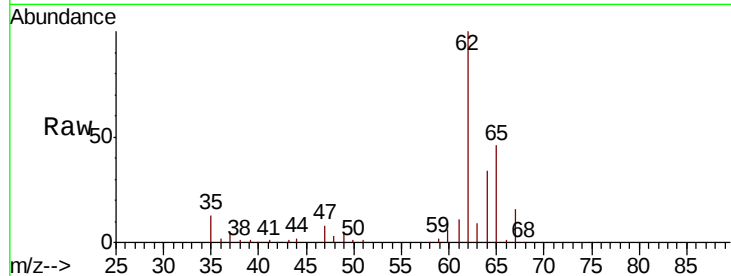
VSTD05089

Tot Ion: 62 Resp: 68844

Ion Ratio Lower Upper

62 100

64 34.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV017746.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017746.D (-63) (-)

1.32

60000

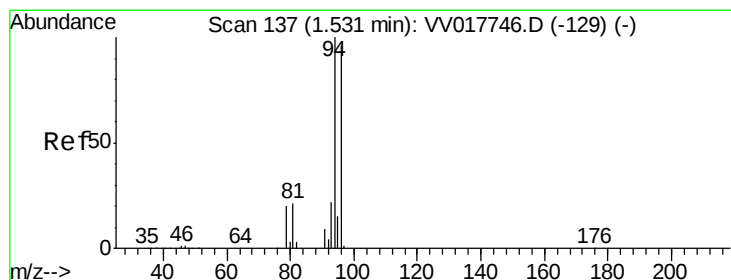
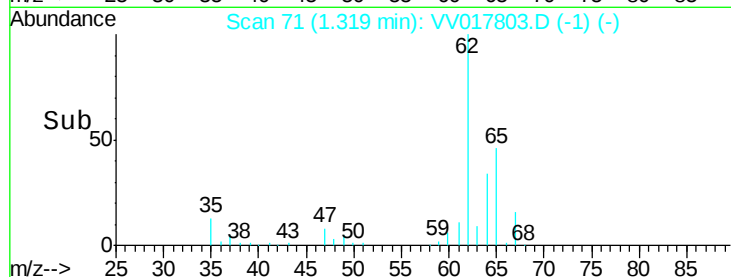
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20000

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Time-->

1.30 1.35



#6

Bromomethane

Concen: 54.641 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017803.D

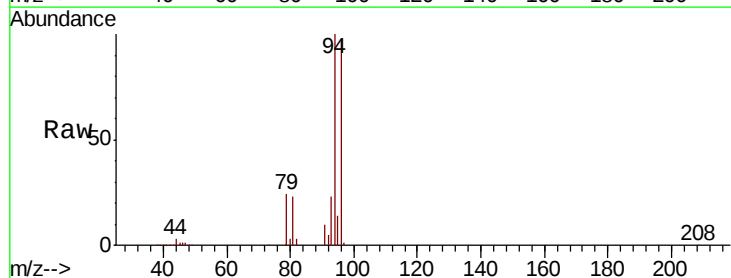
Acq: 06 Aug 2020 10:06

Tgt Ion: 94 Resp: 51417

Ion Ratio Lower Upper

94 100

96 97.3 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV017746.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV017746.D (-129) (-)

1.53

50000

40000

30000

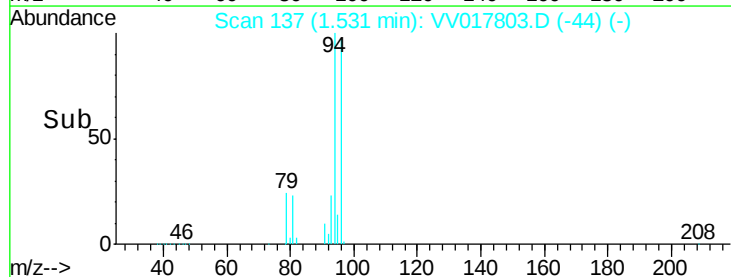
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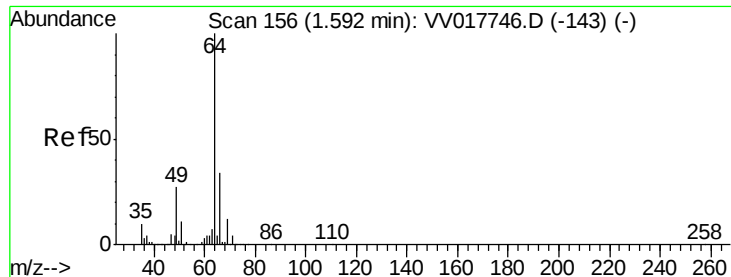
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Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 46.967 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

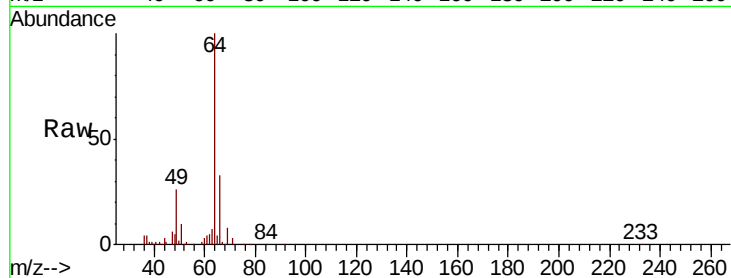
VSTD05089

Tot Ion: 64 Resp: 44979

Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017803.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VV017803.D (-32) (-)

1.59

40000

30000

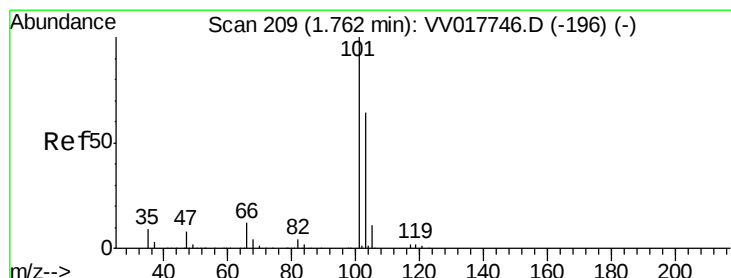
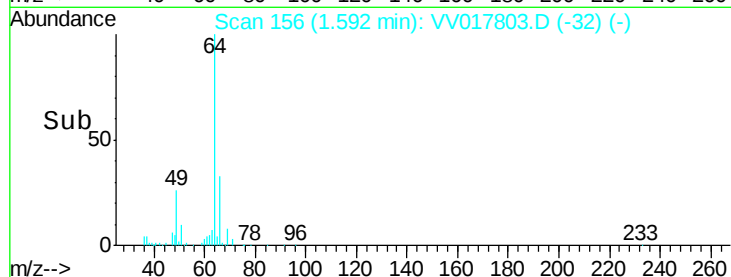
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 53.772 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017803.D

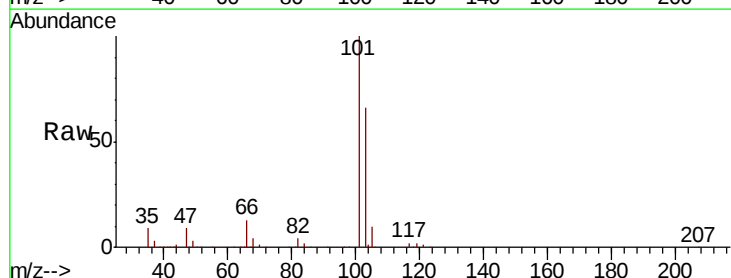
Acq: 06 Aug 2020 10:06

Tgt Ion: 101 Resp: 167086

Ion Ratio Lower Upper

101 100

103 65.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017803.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV017803.D (-85) (-)

150000

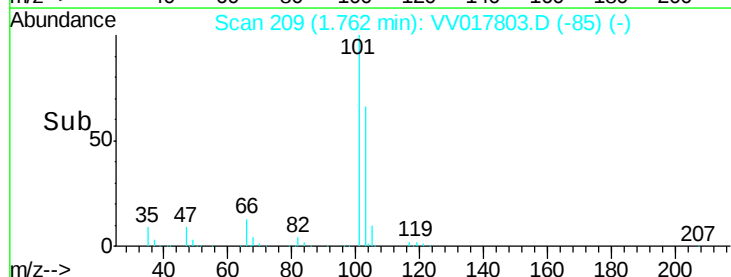
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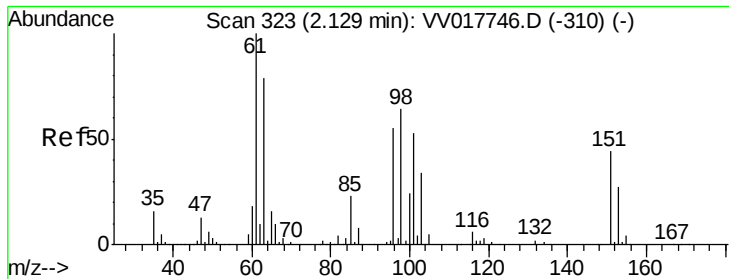
50000

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Time-->

1.70 1.75 1.80





#10

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

Concen: 49.047 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

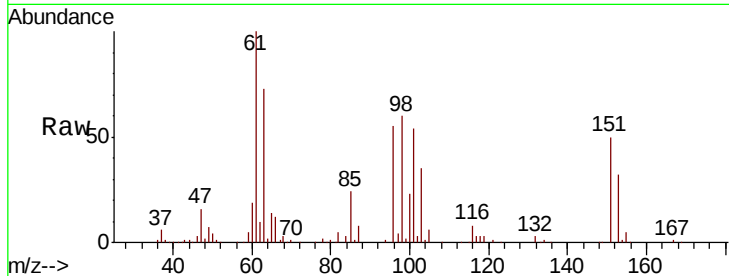
Tot Ion:101 Resp: 70514

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

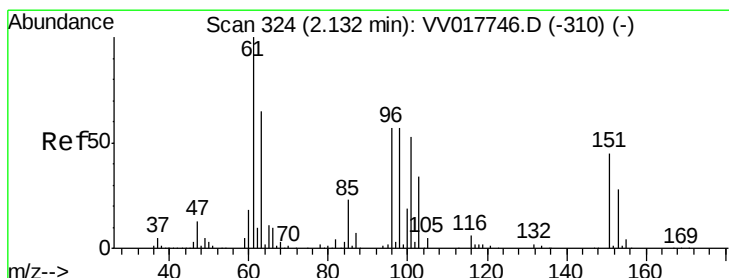
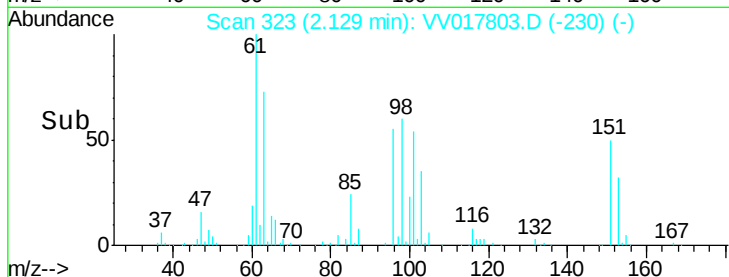
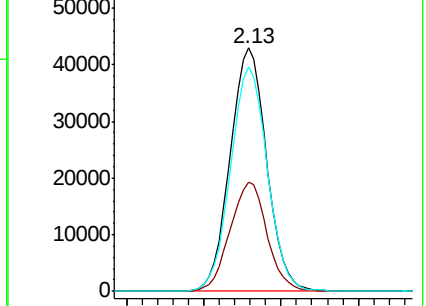
151 92.7 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): VV017746.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017746.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 48.515 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

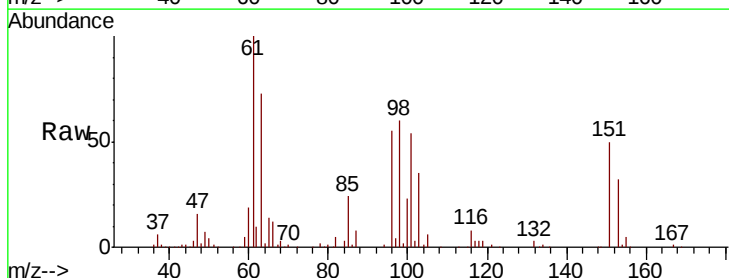
Tgt Ion: 96 Resp: 65116

Ion Ratio Lower Upper

96 100

61 180.6 131.0 243.2

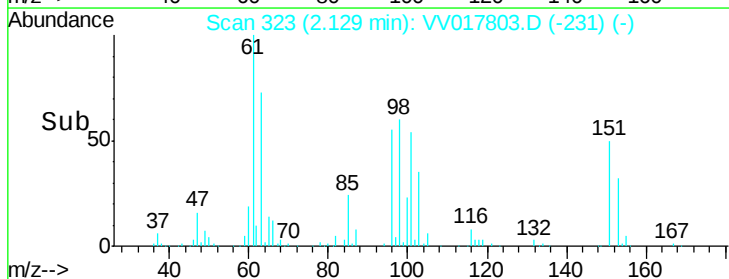
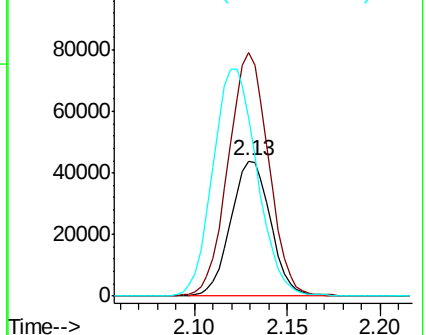
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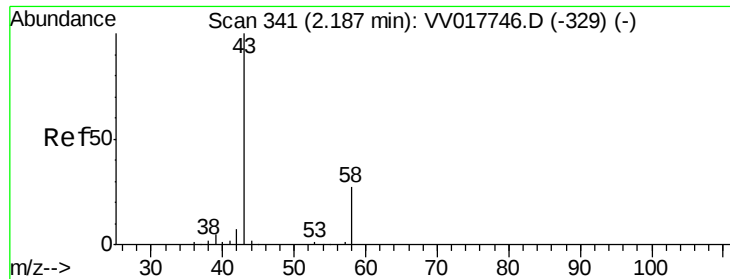


Abundance Ion 96.00 (95.70 to 96.70): VV017746.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV017746.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV017746.D (-310) (-)





#13

Acetone

Concen: 105.794 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

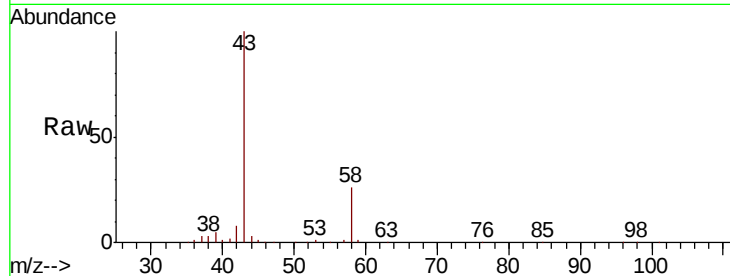
VSTD05089

Tot Ion: 43 Resp: 109868

Ion Ratio Lower Upper

43 100

58 26.6 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017746.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017746.D (-329) (-)

2.18

60000

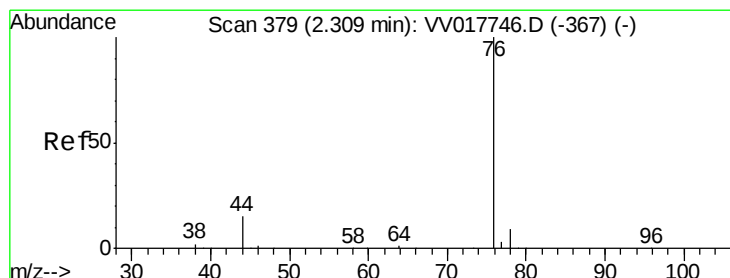
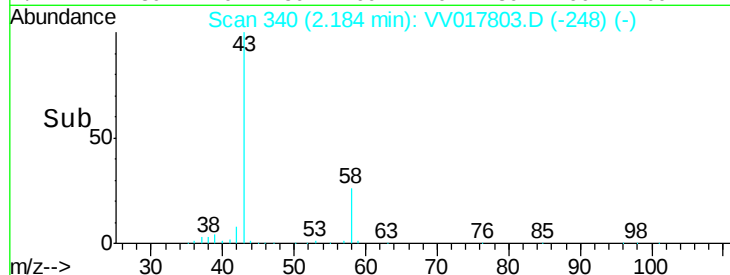
40000

20000

0

Time-->

2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 45.527 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017803.D

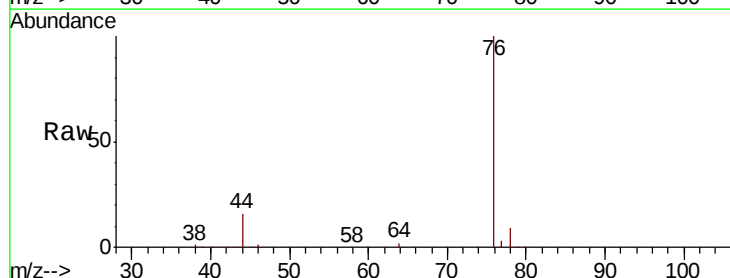
Acq: 06 Aug 2020 10:06

Tgt Ion: 76 Resp: 188292

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017746.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017746.D (-367) (-)

2.31

150000

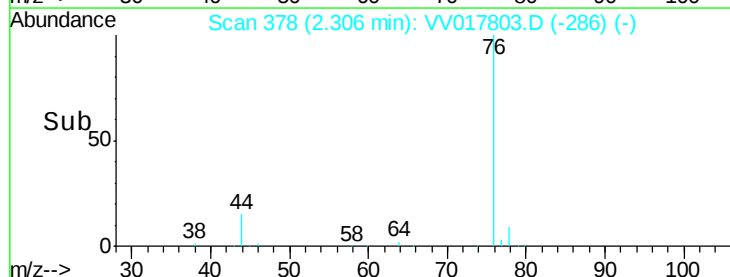
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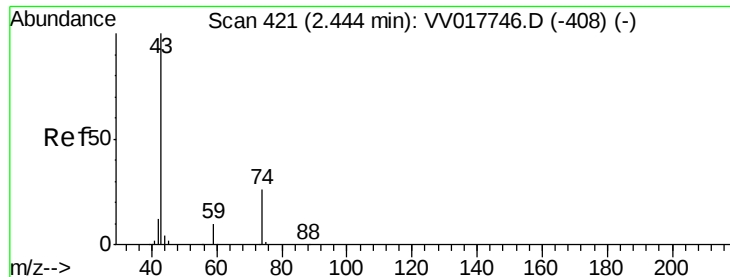
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Time-->

2.25 2.30 2.35 2.40

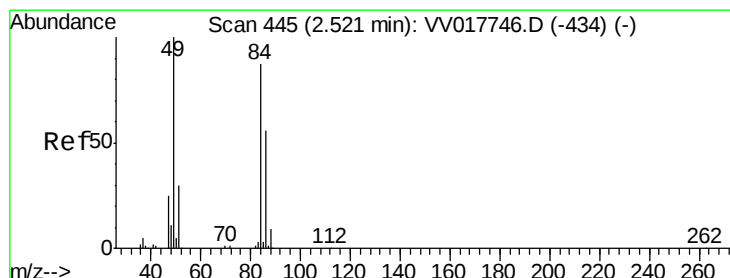
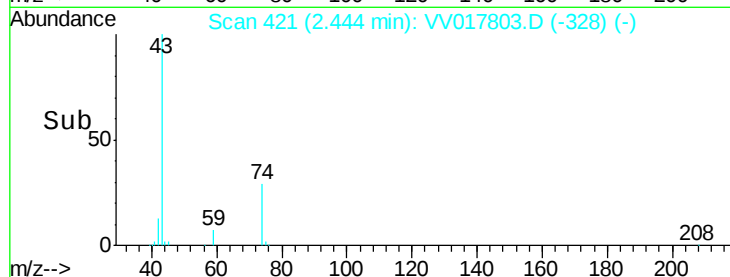
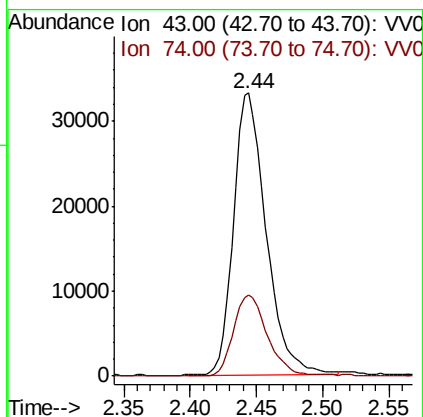
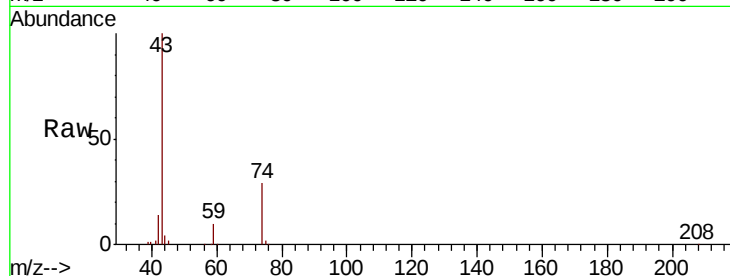




#15
Methvl Acetate
Concen: 42.364 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

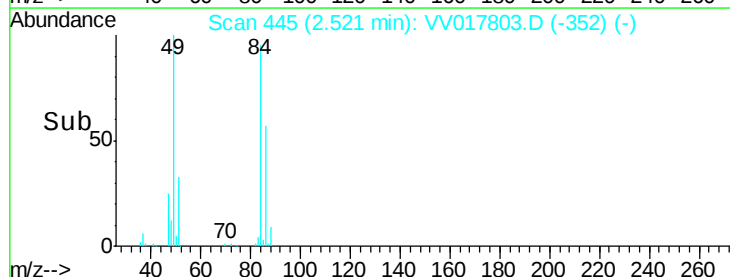
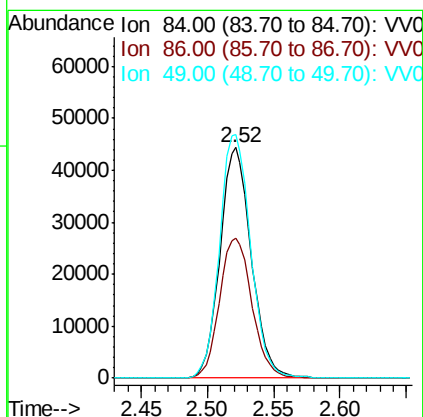
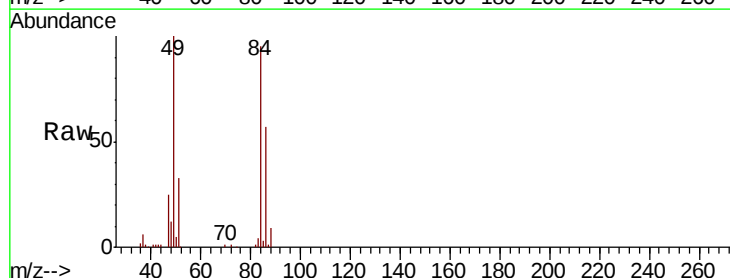
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

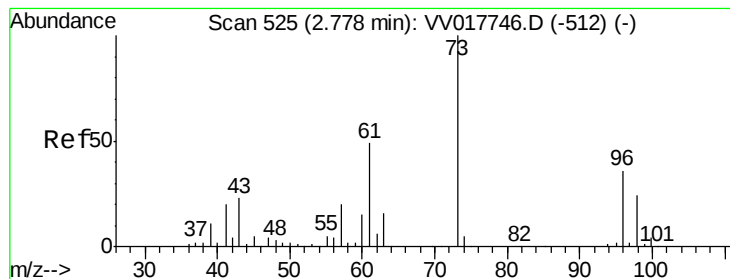
Tot Ion: 43 Resp: 57218
Ion Ratio Lower Upper
43 100
74 29.5 20.6 31.0



#16
Methylene chloride
Concen: 46.089 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

Tgt Ion: 84 Resp: 72943
Ion Ratio Lower Upper
84 100
86 60.7 45.4 84.4
49 105.6 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 45.155 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

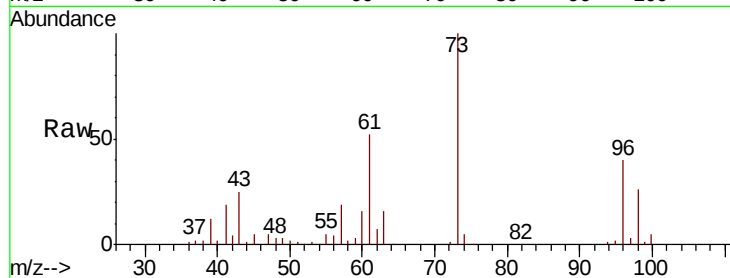
Tot Ion: 96 Resp: 68339

Ion Ratio Lower Upper

96 100

61 129.6 96.2 178.8

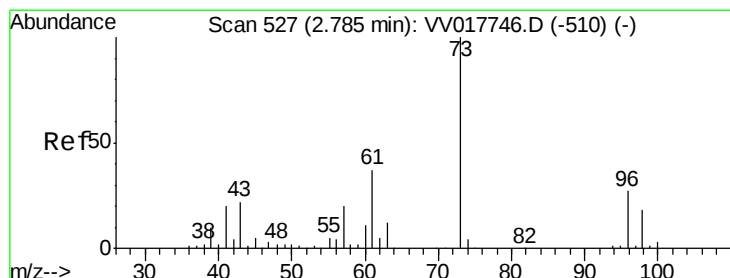
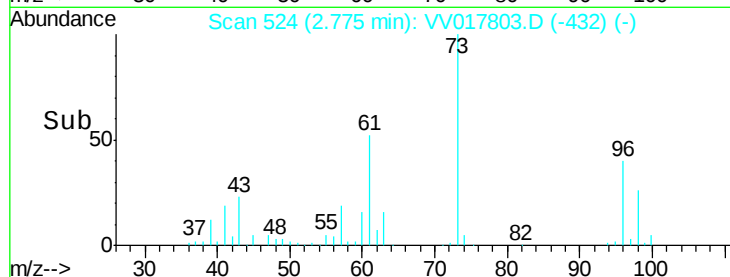
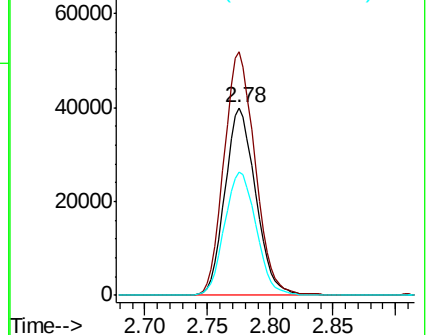
98 65.6 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VV017746.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV017746.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV017746.D (-512) (-)



#18

Methyl tert-butyl Ether

Concen: 48.818 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

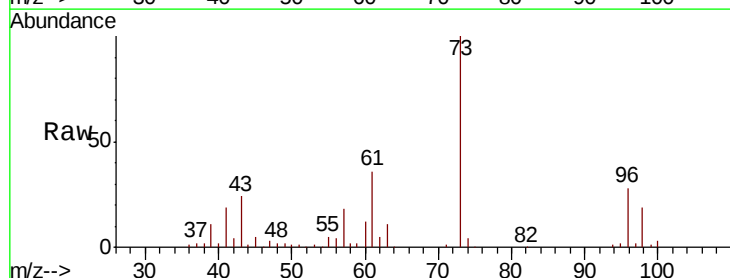
Tgt Ion: 73 Resp: 242849

Ion Ratio Lower Upper

73 100

43 24.4 18.1 27.1

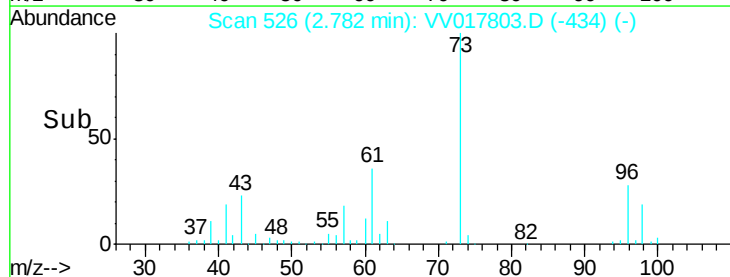
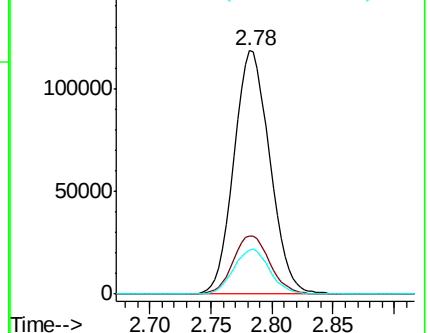
57 18.5 16.0 24.0

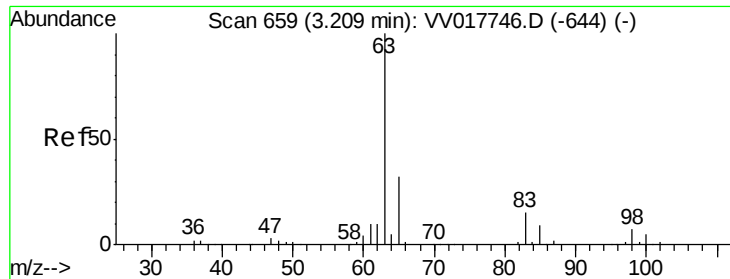


Abundance Ion 73.00 (72.70 to 73.70): VV017746.D (-510) (-)

Ion 43.00 (42.70 to 43.70): VV017746.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VV017746.D (-510) (-)





#19

1,1-Dichloroethane

Concen: 43.962 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

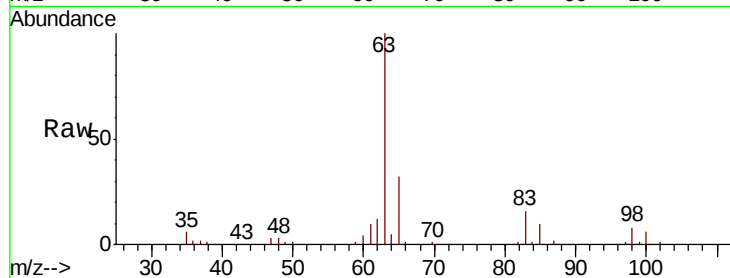
Tot Ion: 63 Resp: 116099

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

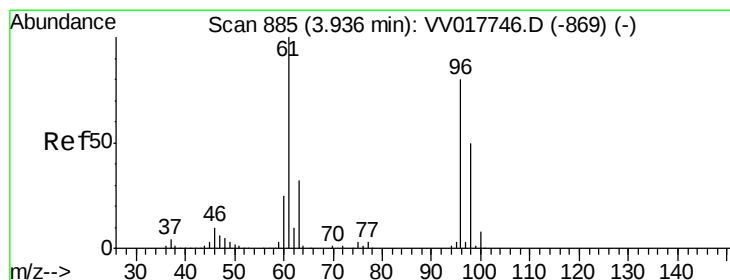
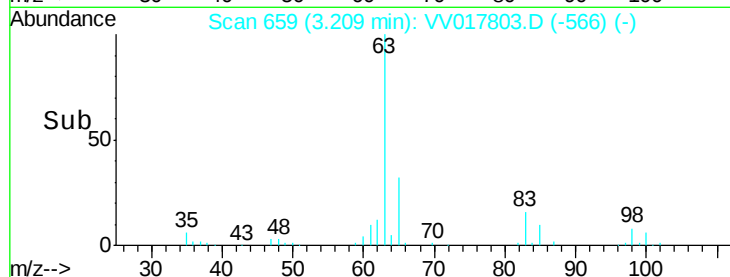
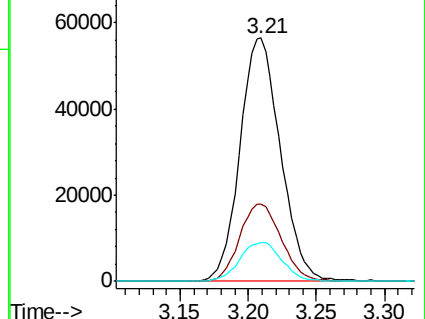
83 15.9 11.0 20.4



Abundance Ion 63.00 (62.70 to 63.70): VV017746.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV017746.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV017746.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.951 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

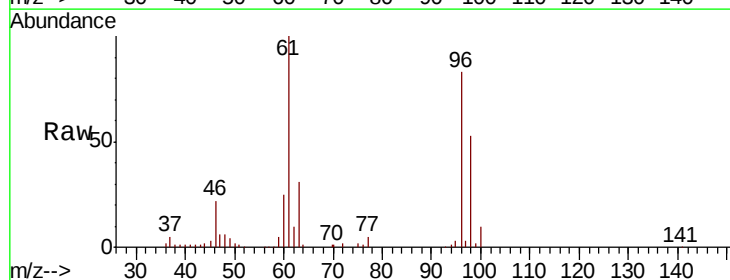
Tgt Ion: 96 Resp: 75897

Ion Ratio Lower Upper

96 100

61 120.4 87.3 162.1

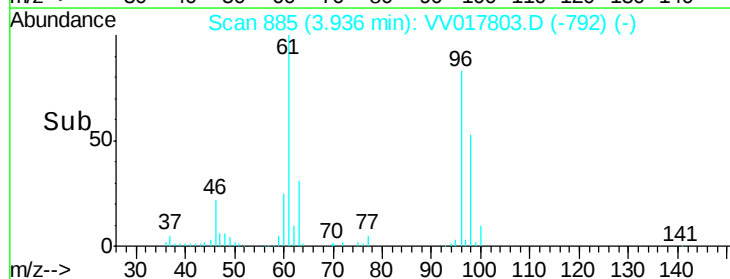
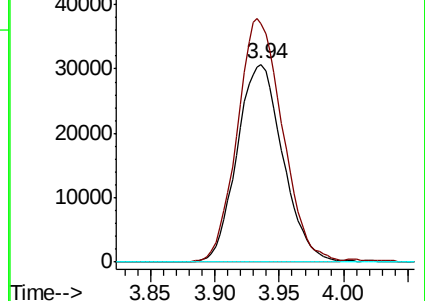
68 0.0 0.0 0.0

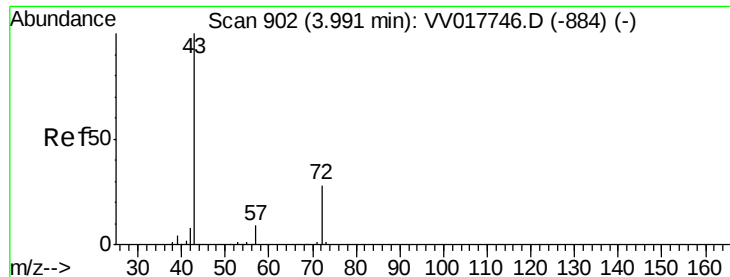


Abundance Ion 96.00 (95.70 to 96.70): VV017746.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV017746.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV017746.D (-869) (-)





#22

2-Butanone

Concen: 101.567 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

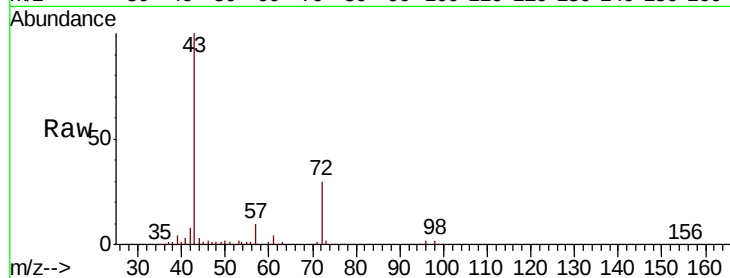
VSTD05089

Tot Ion: 43 Resp: 97977

Ion Ratio Lower Upper

43 100

72 28.1 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017746.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017746.D (-884) (-)

3.98

40000

30000

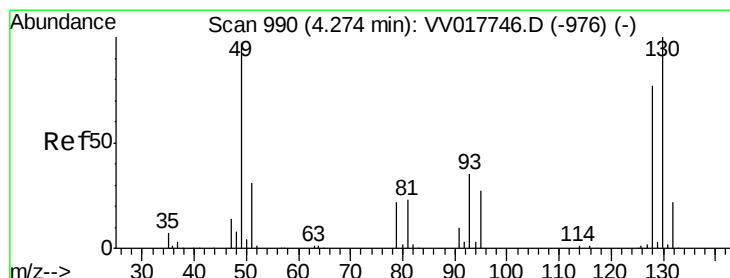
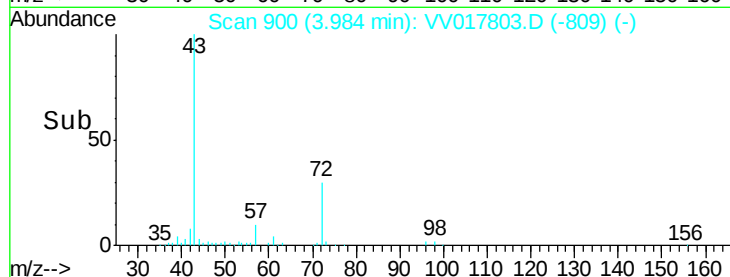
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 50.306 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Tgt Ion: 128 Resp: 45943

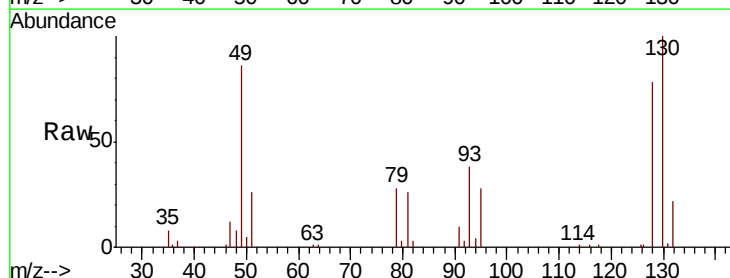
Ion Ratio Lower Upper

128 100

49 110.7 90.4 168.0

130 128.0 90.5 168.1

51 33.4 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV017746.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV017746.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV017746.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV017746.D (-976) (-)

4.27

30000

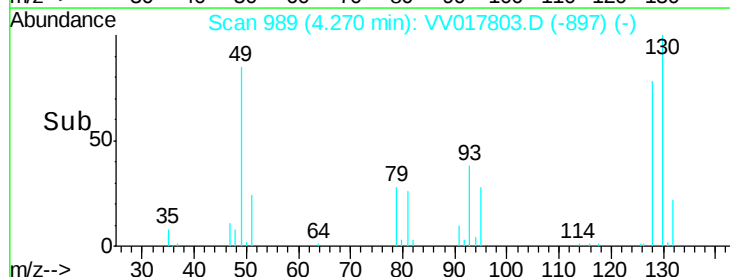
20000

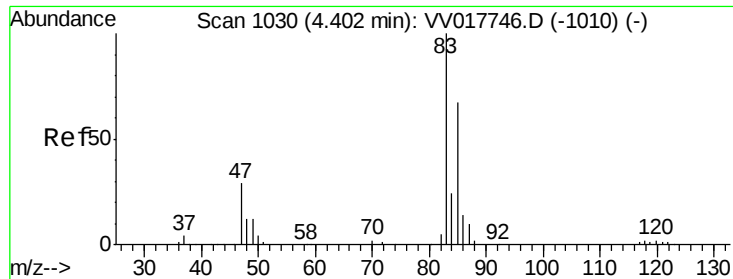
10000

0

Time-->

4.20 4.25 4.30 4.35

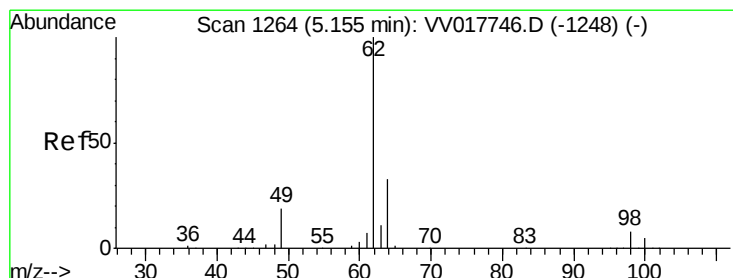
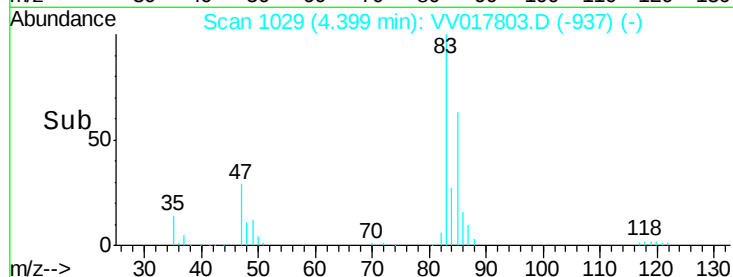
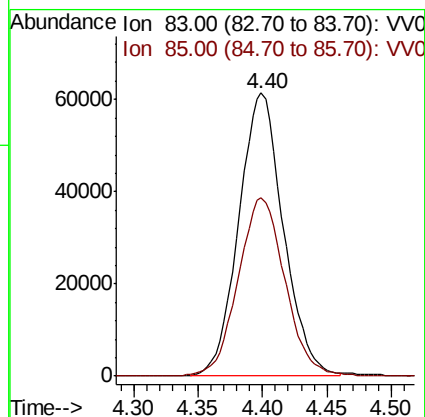
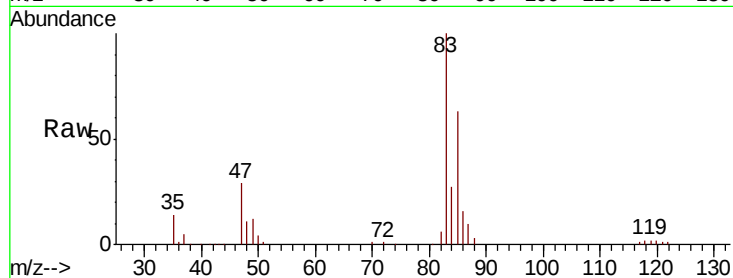




#25
Chloroform
Concen: 48.405 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

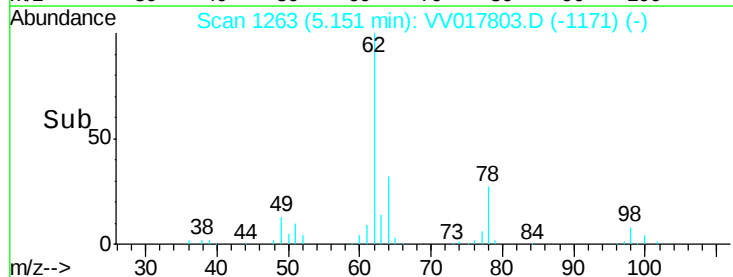
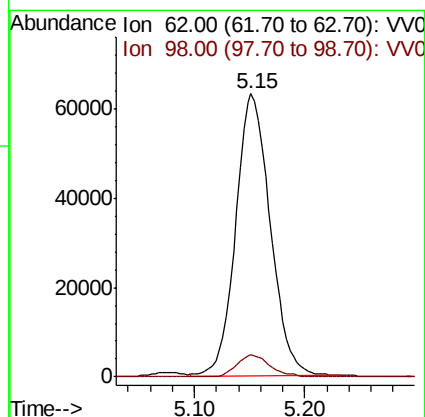
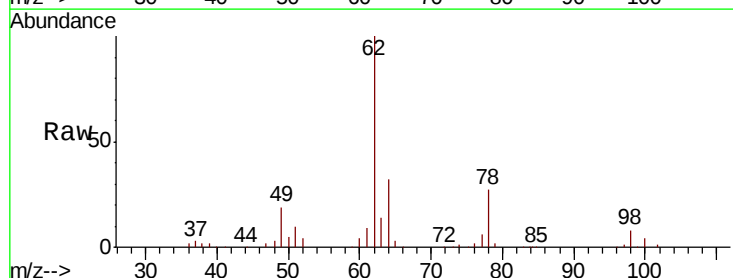
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

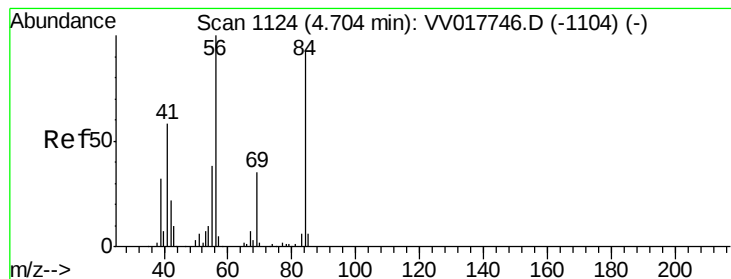
Tot Ion: 83 Resp: 148150
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 50.585 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

Tgt Ion: 62 Resp: 137377
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0





#29

Cyclohexane

Concen: 40.065 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

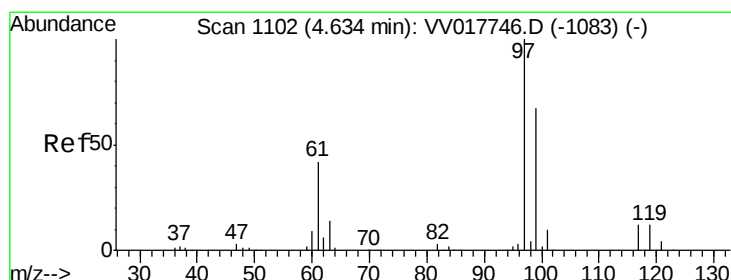
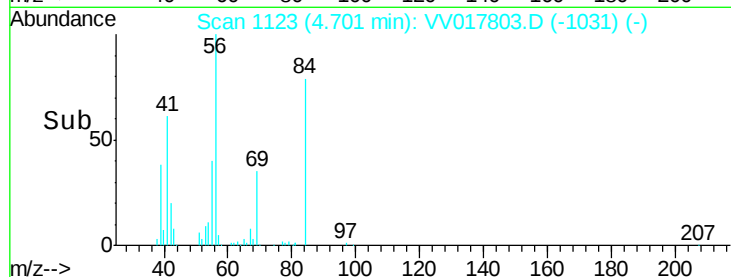
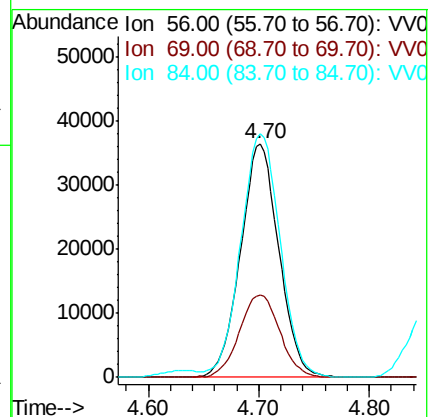
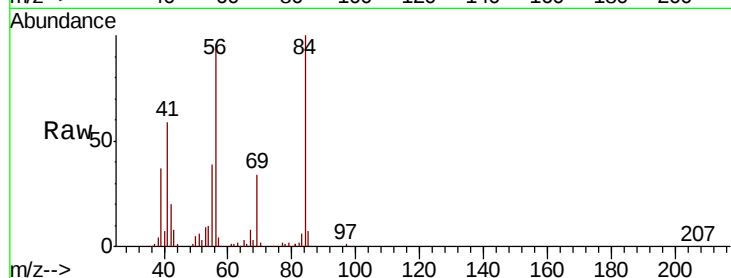
Tot Ion: 56 Resp: 87738

Ion Ratio Lower Upper

56 100

69 37.0 26.1 39.1

84 107.3 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 49.871 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

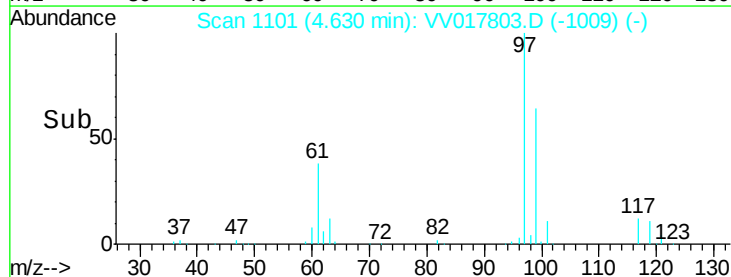
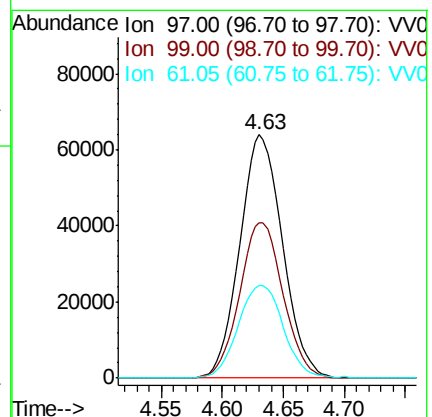
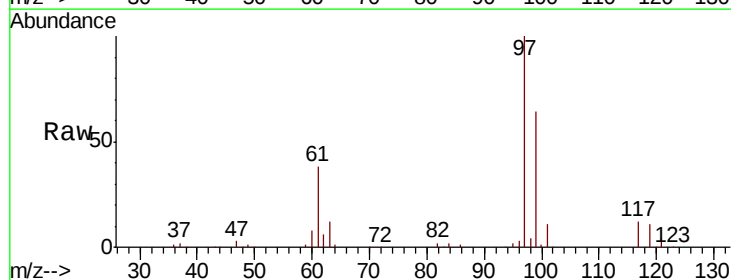
Tgt Ion: 97 Resp: 155425

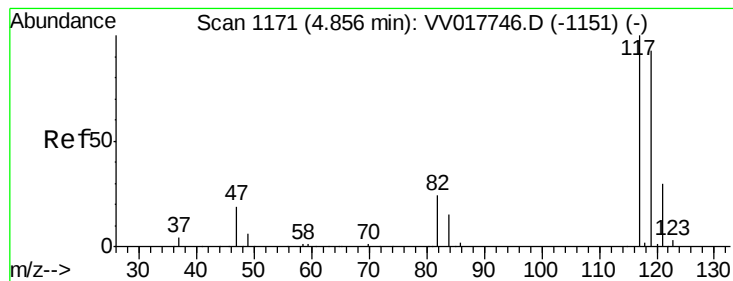
Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

61 40.3 34.1 51.1





#31

Carbon tetrachloride

Concen: 52.502 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

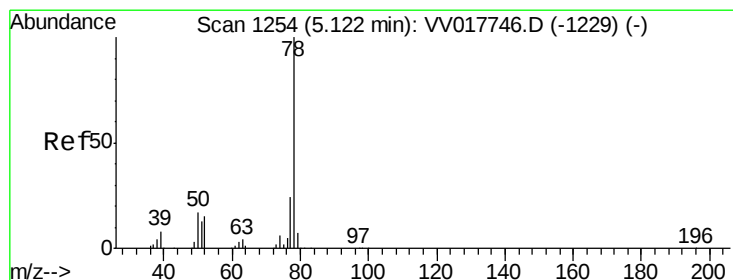
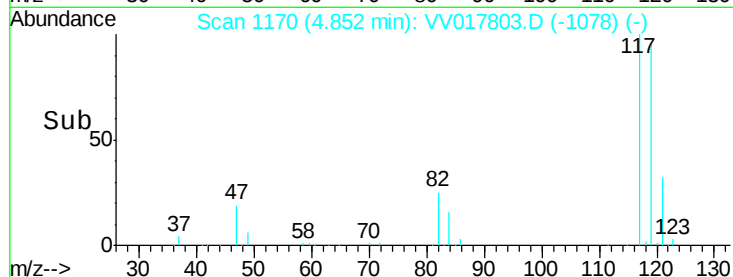
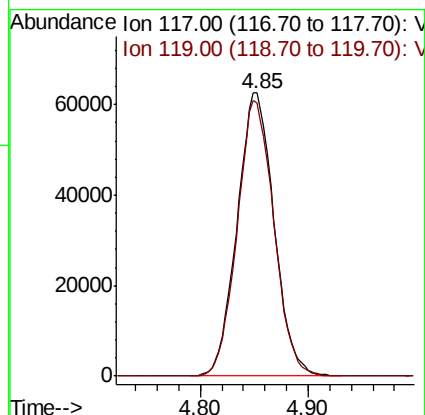
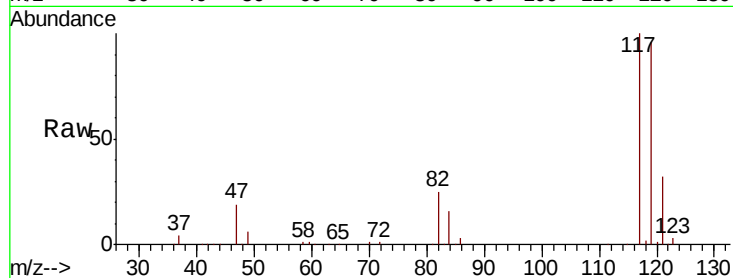
VSTD05089

Tot Ion:117 Resp: 149141

Ion Ratio Lower Upper

117 100

119 96.4 77.6 116.4



#33

Benzene

Concen: 44.954 ug/L

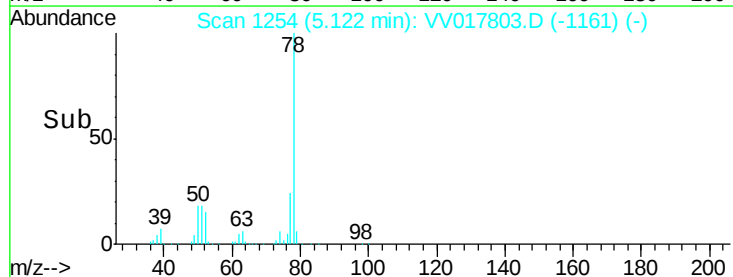
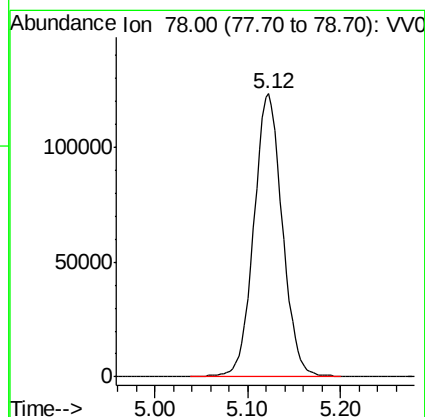
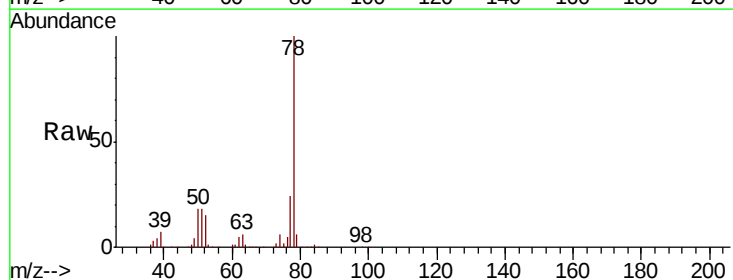
RT: 5.12 min Scan# 1254

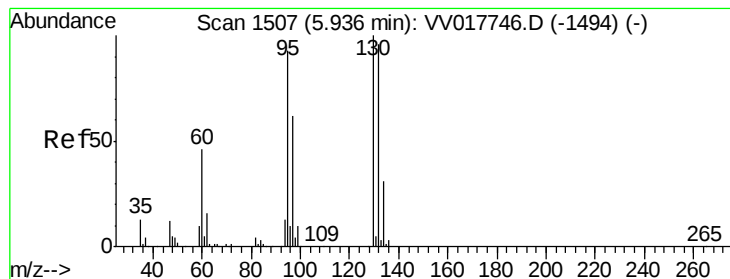
Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Tgt Ion: 78 Resp: 263572





#34

Trichloroethene

Concen: 48.196 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tot Ion: 95 Resp: 80313

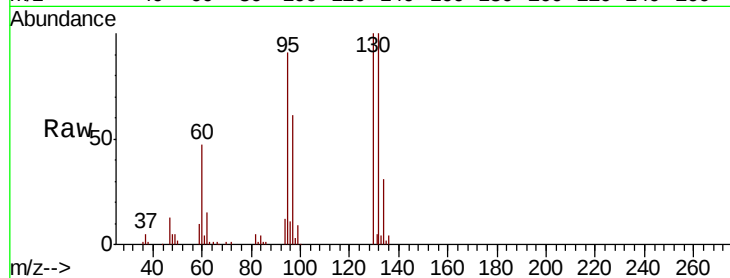
Ion Ratio Lower Upper

95 100

97 66.9 45.3 84.1

132 109.1 71.4 132.6

130 109.5 75.3 139.9

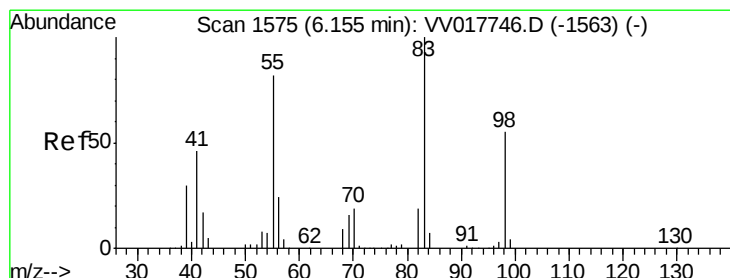
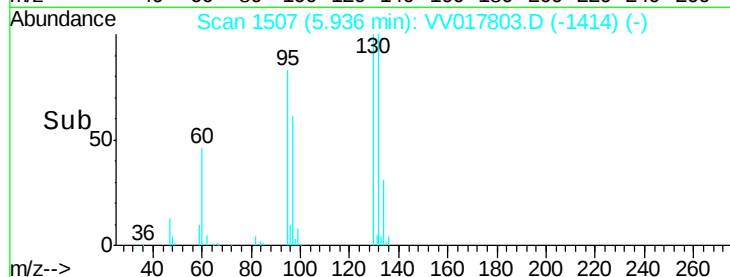
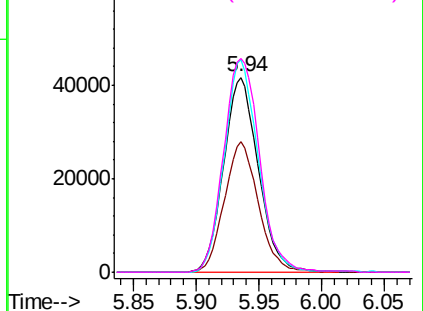


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.166 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

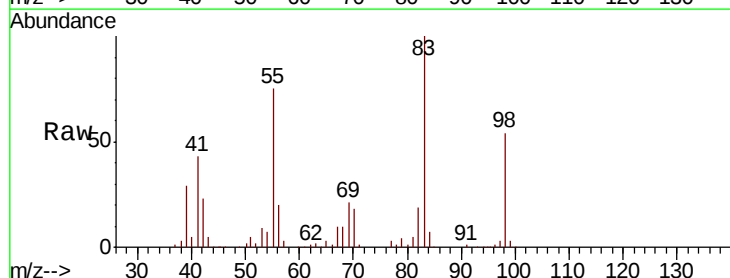
Tgt Ion: 83 Resp: 112854

Ion Ratio Lower Upper

83 100

55 70.0 59.4 89.2

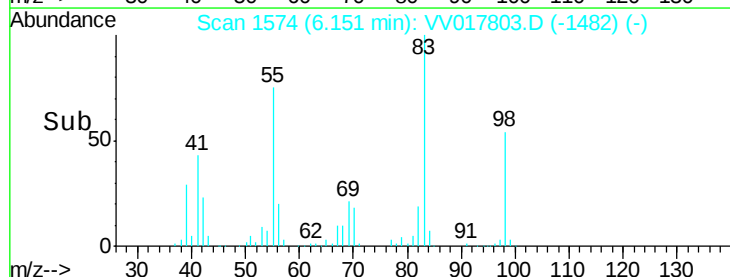
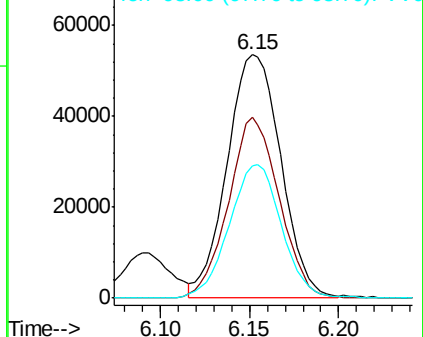
98 53.3 41.2 61.8

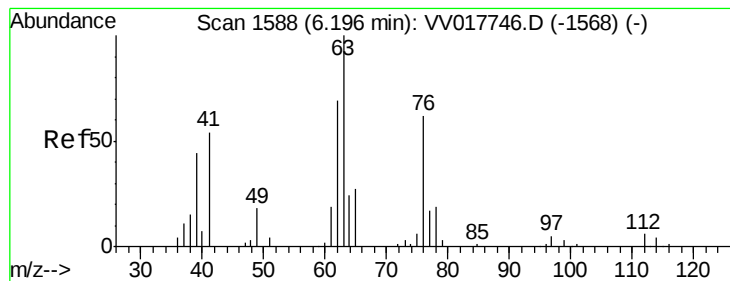


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 43.148 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

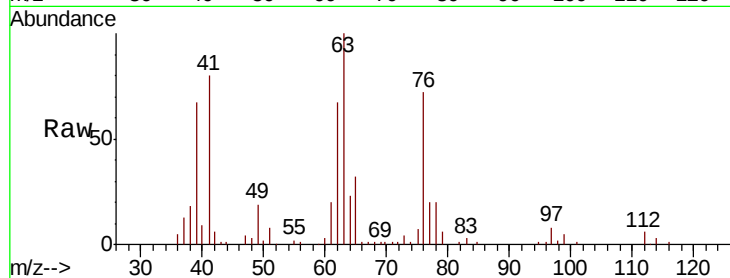
VSTD05089

Tot Ion: 63 Resp: 57985

Ion Ratio Lower Upper

63 100

112 6.6 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VV017746.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV017746.D (-1568) (-)

6.19

30000

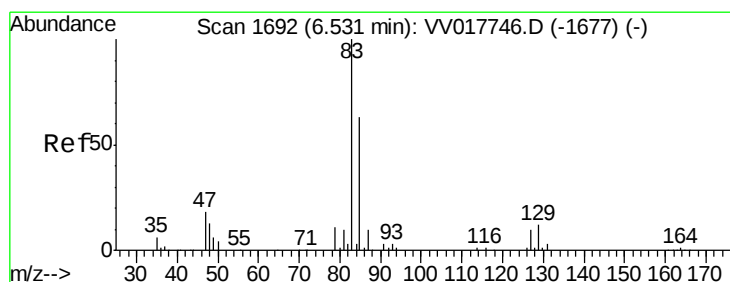
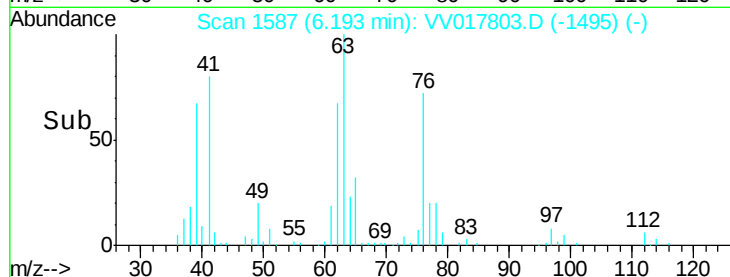
20000

10000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 49.411 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

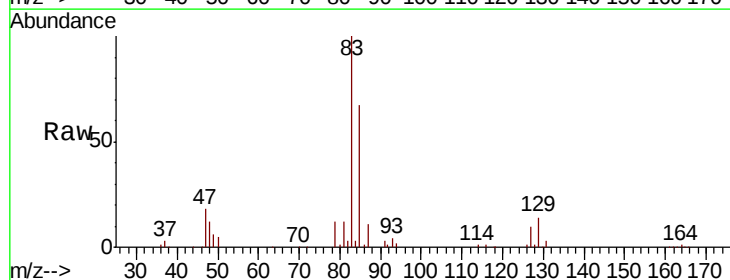
Tgt Ion: 83 Resp: 118099

Ion Ratio Lower Upper

83 100

85 67.4 44.8 83.2

127 10.3 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV017746.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV017746.D (-1677) (-)

Ion 127.00 (126.70 to 127.70): VV017746.D (-1677) (-)

6.53

80000

60000

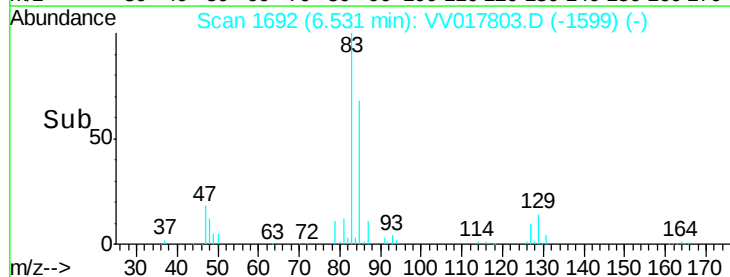
40000

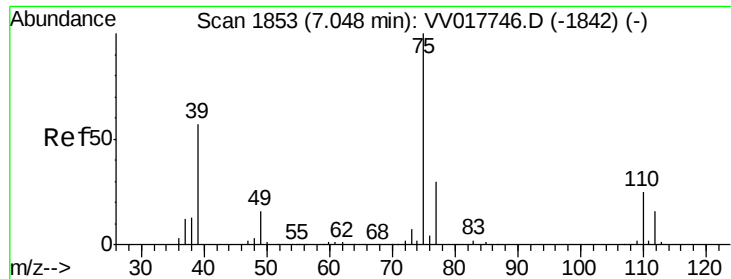
20000

0

6.45 6.50 6.55 6.60

Time-->

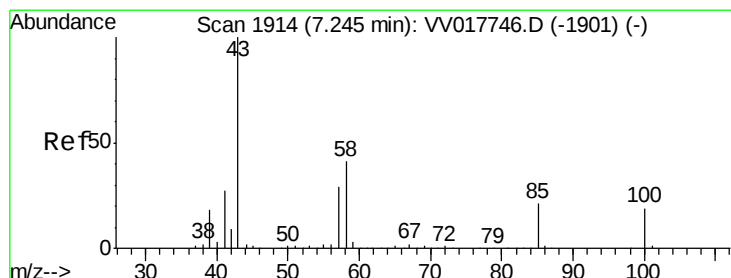
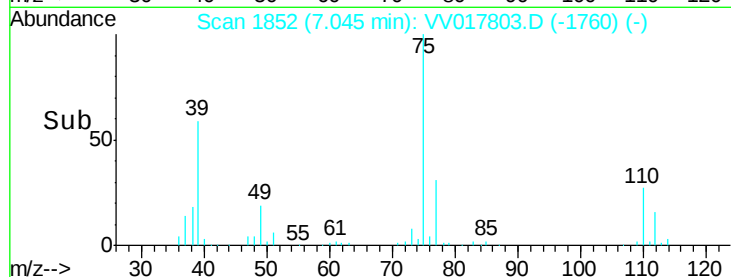
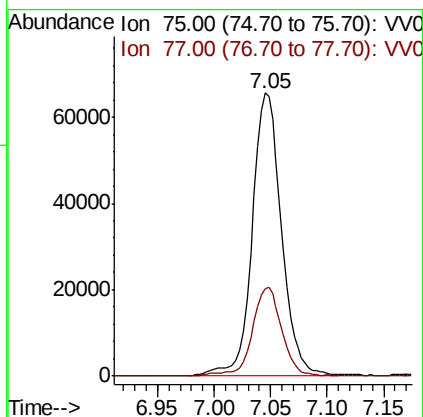
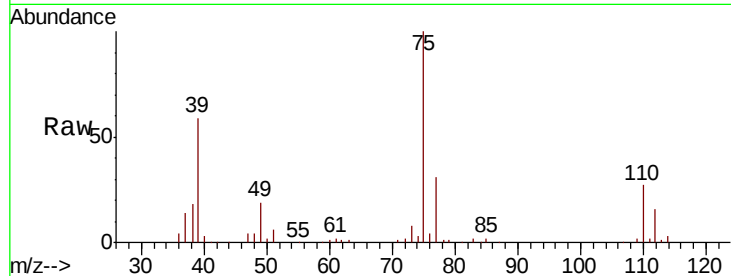




#39
 cis-1,3-Dichloropropene
 Concen: 48.117 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

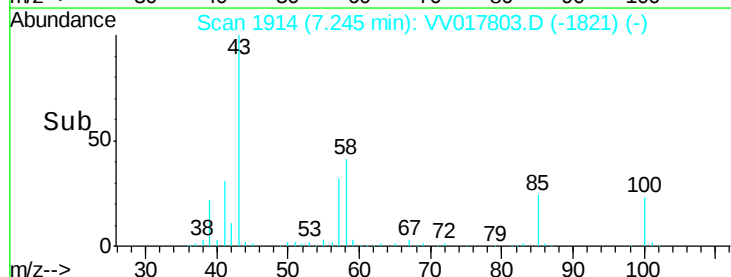
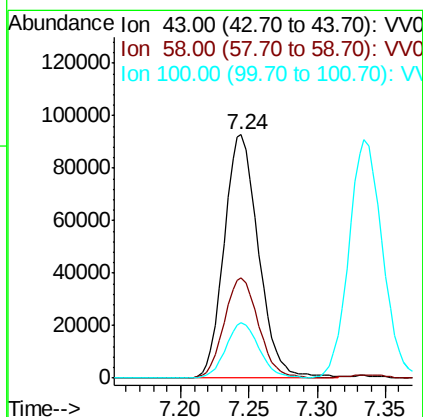
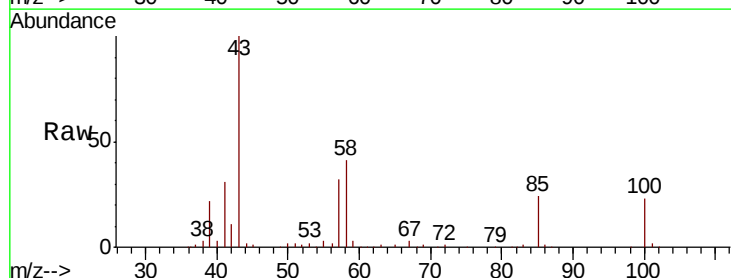
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

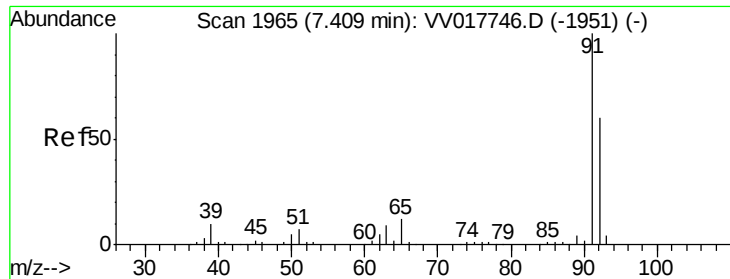
Tot Ion: 75 Resp: 118740
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 88.299 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Tgt Ion: 43 Resp: 161727
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.4 48.6
 100 22.2 14.9 22.3





#42

Toluene

Concen: 46.829 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

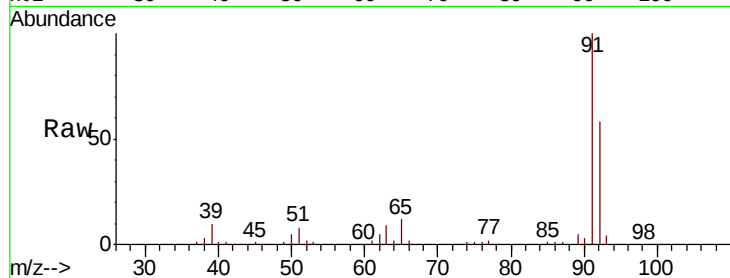
VSTD05089

Tot Ion: 91 Resp: 305012

Ion Ratio Lower Upper

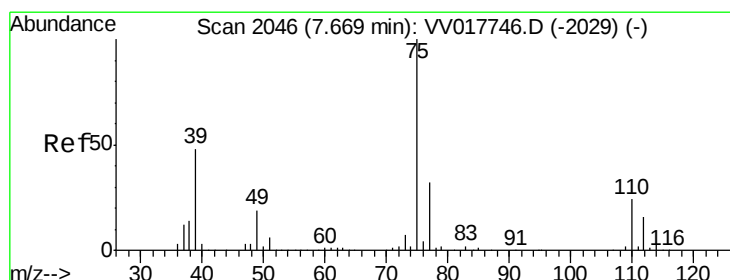
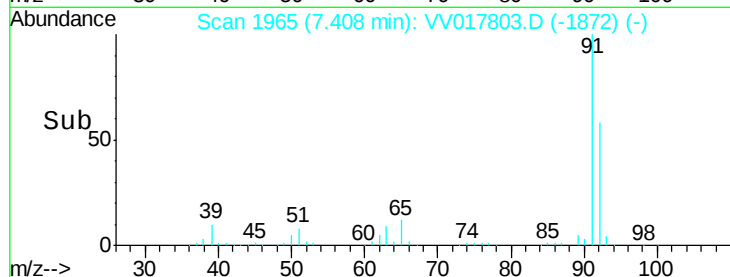
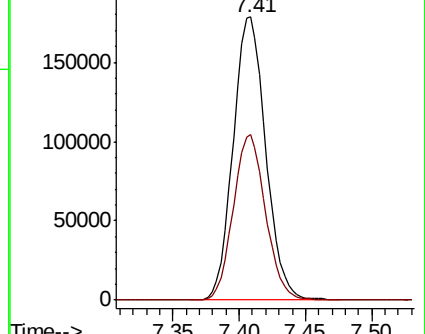
91 100

92 58.5 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 51.021 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017803.D

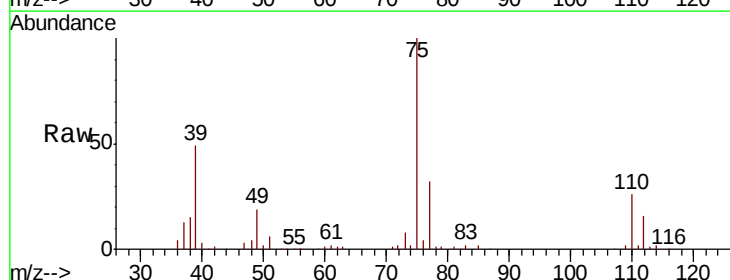
Acq: 06 Aug 2020 10:06

Tgt Ion: 75 Resp: 129215

Ion Ratio Lower Upper

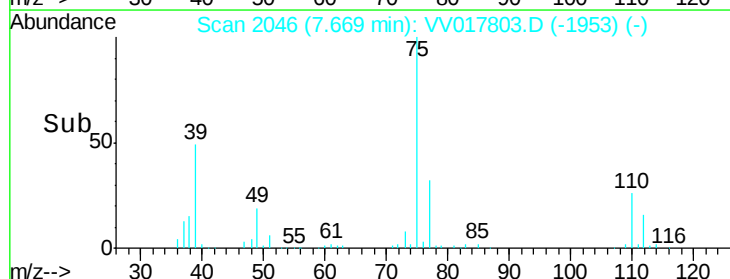
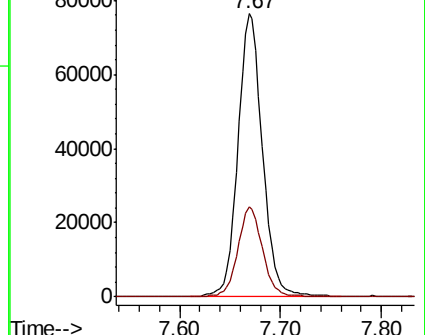
75 100

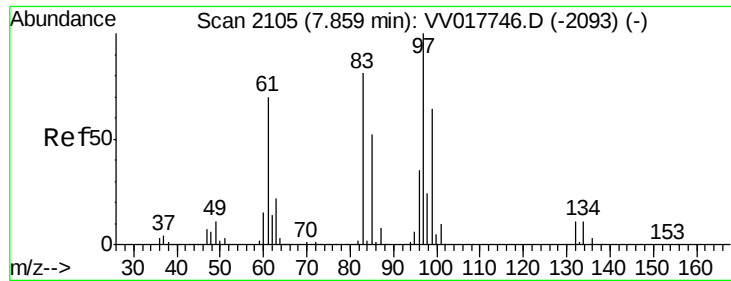
77 32.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

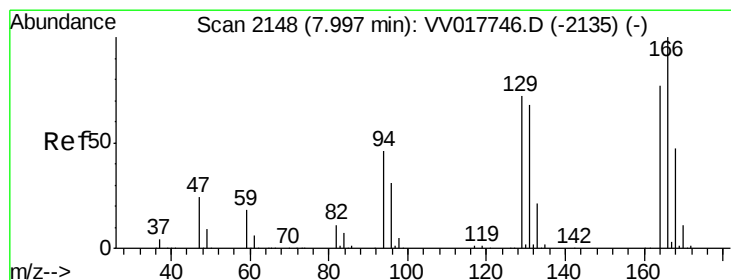
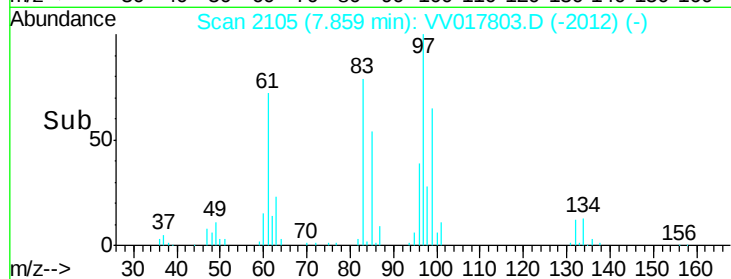
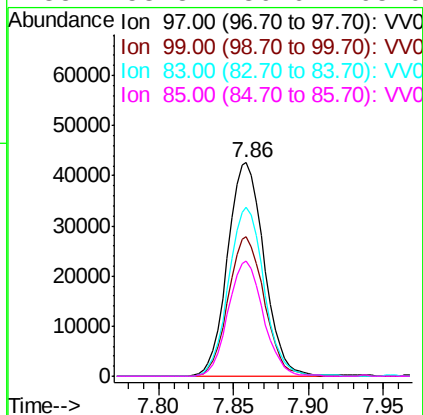
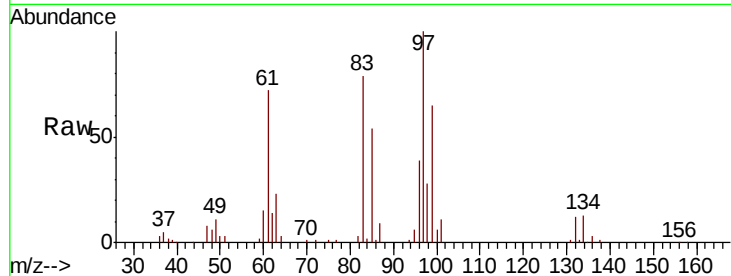




#45
 1,1,2-Trichloroethane
 Concen: 47.519 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

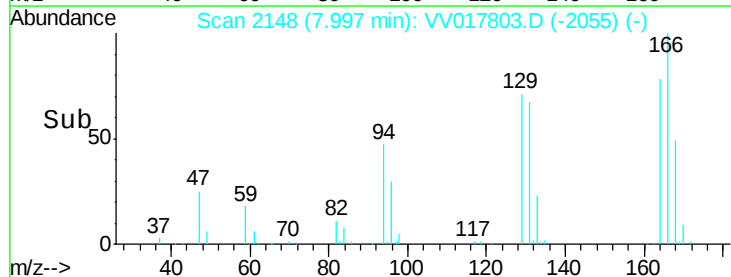
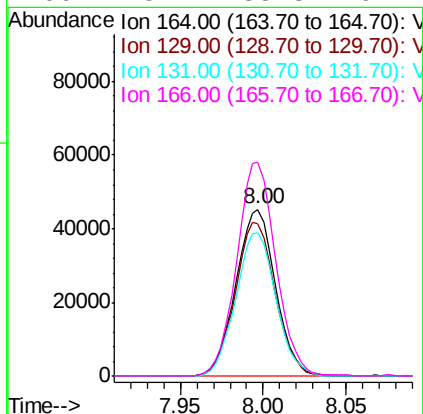
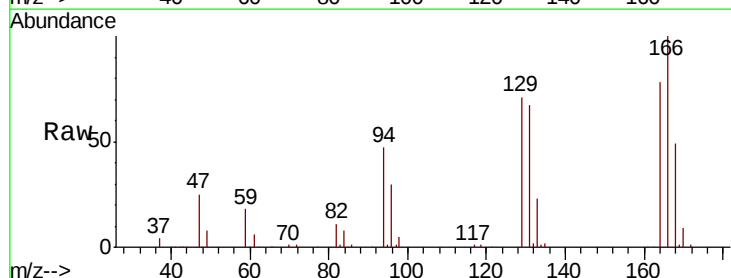
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

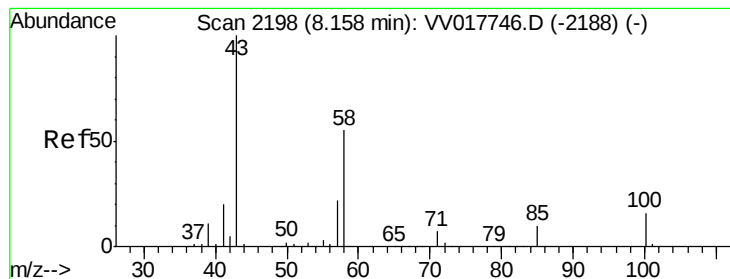
Tot Ion:	97	Resp:	72730
Ion	Ratio	Lower	Upper
97	100		
99	65.4	43.0	80.0
83	79.3	57.3	106.5
85	53.8	36.6	68.0



#46
 Tetrachloroethene
 Concen: 50.860 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Tgt Ion:	164	Resp:	75089
Ion	Ratio	Lower	Upper
164	100		
129	91.2	63.9	118.7
131	85.9	62.6	116.3
166	128.2	88.3	164.1





#48

2-Hexanone

Concen: 98.739 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tot Ion: 43 Resp: 147138

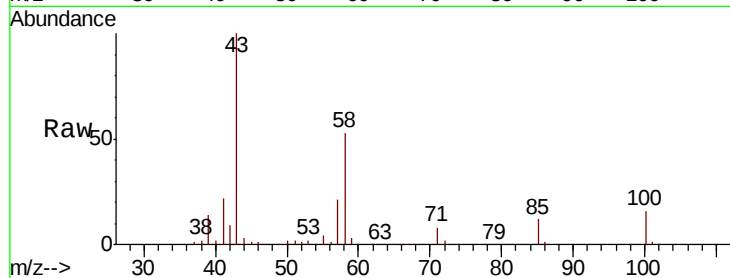
Ion Ratio Lower Upper

43 100

58 54.2 42.8 64.2

57 22.0 16.6 24.8

100 15.9 11.6 17.4

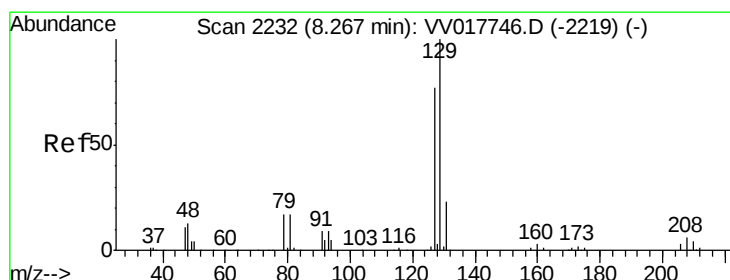
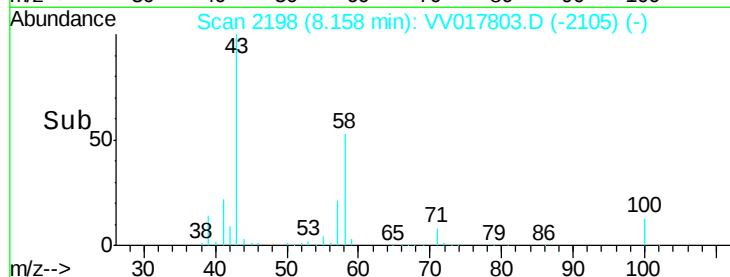
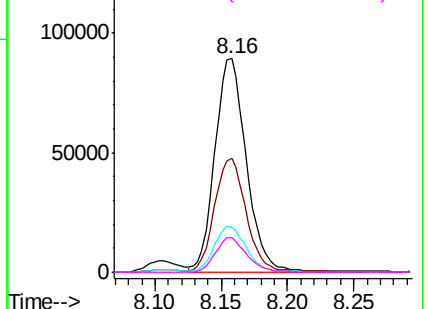


Abundance Ion 43.00 (42.70 to 43.70): VV017746.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV017746.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV017746.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV017746.D (-2188) (-)



#49

Dibromochloromethane

Concen: 51.725 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV017803.D

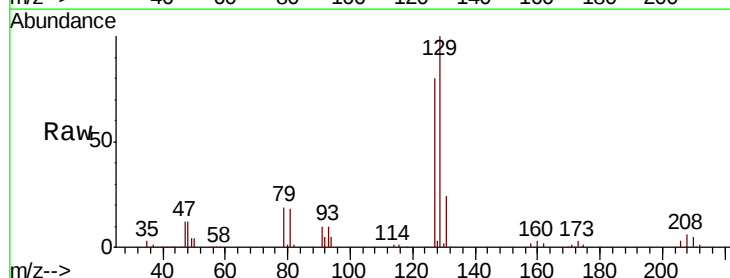
Acq: 06 Aug 2020 10:06

Tgt Ion: 129 Resp: 103551

Ion Ratio Lower Upper

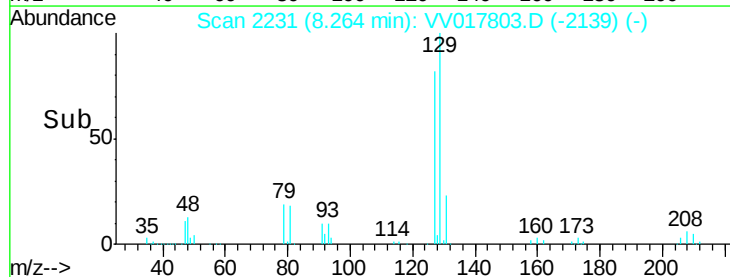
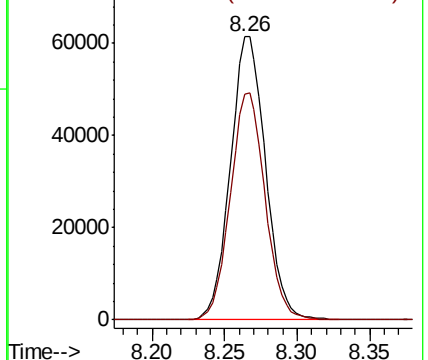
129 100

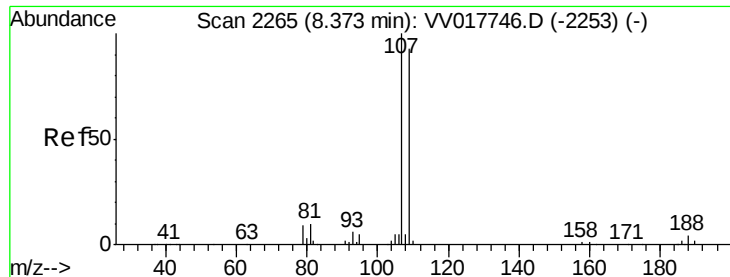
127 79.7 52.6 97.8



Abundance Ion 129.00 (128.70 to 129.70): VV017746.D (-2219) (-)

Ion 127.00 (126.70 to 127.70): VV017746.D (-2219) (-)

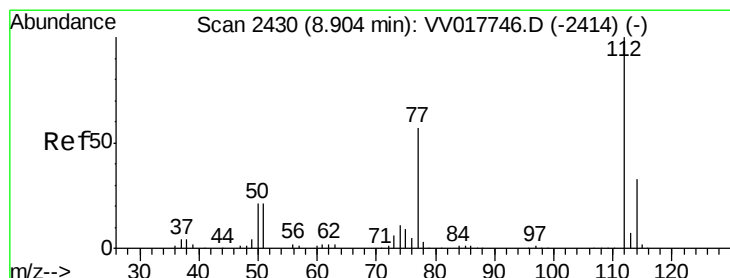
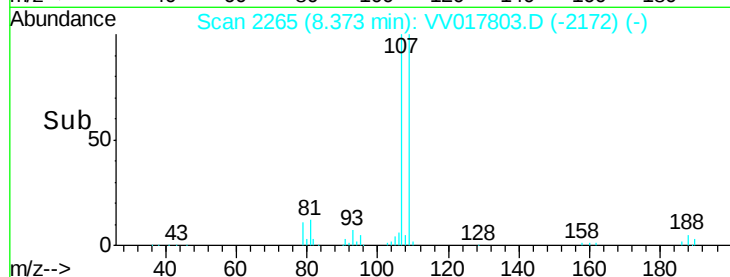
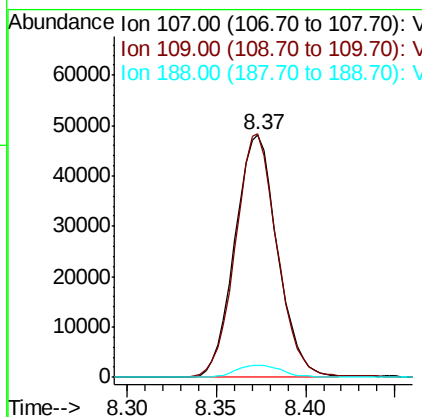
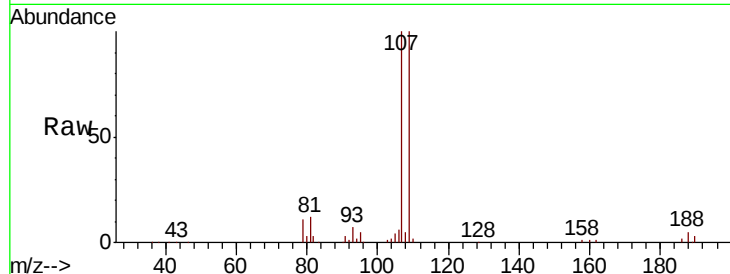




#50
1,2-Dibromoethane
Concen: 48.205 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

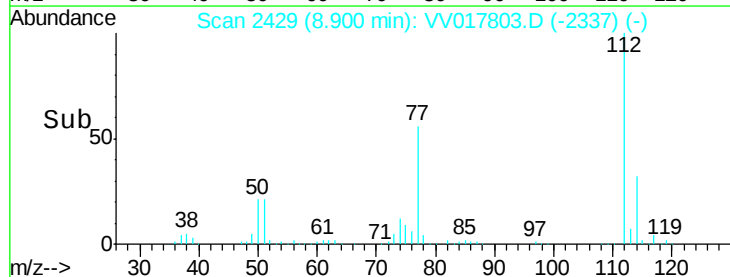
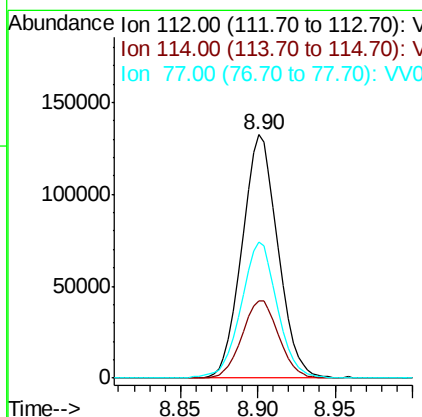
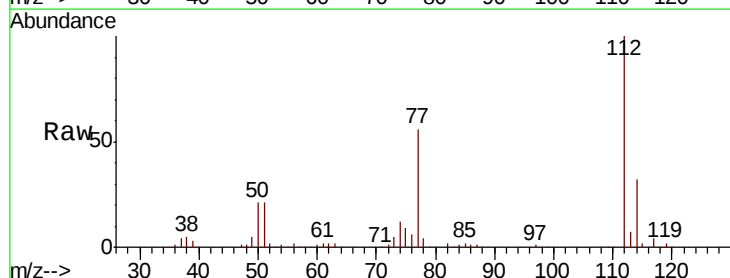
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

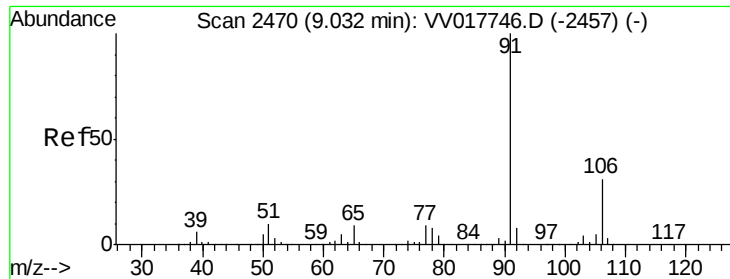
Tot Ion	Ratio	Lower	Upper
107	100		
109	100.2	65.5	121.7
188	5.1	3.6	5.4



#51
Chlorobenzene
Concen: 47.832 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017803.D
Acq: 06 Aug 2020 10:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	56.1	46.6	70.0





#52

Ethylbenzene

Concen: 47.865 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

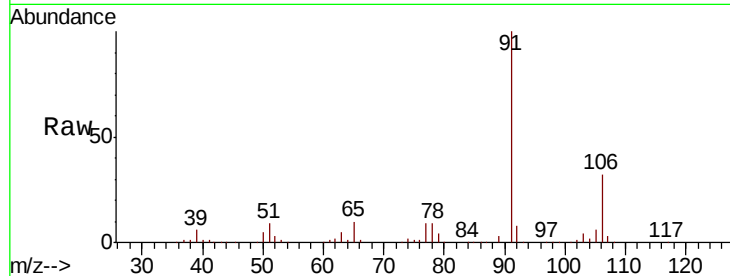
VSTD05089

Tot Ion: 91 Resp: 357179

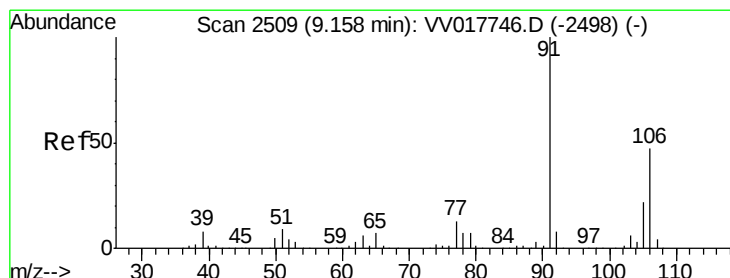
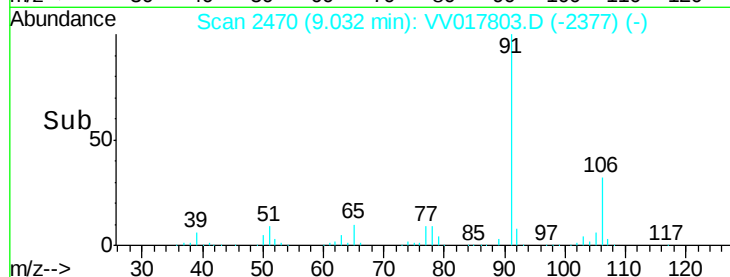
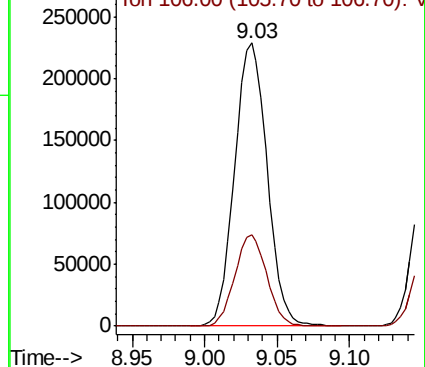
Ion Ratio Lower Upper

91 100

106 32.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV017746.D (-2457) (-)



#53

m,p-Xylene

Concen: 49.411 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017803.D

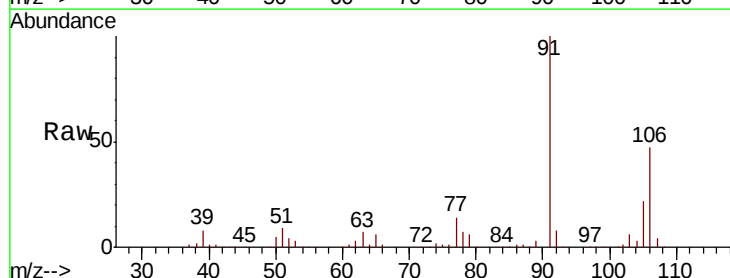
Acq: 06 Aug 2020 10:06

Tgt Ion: 106 Resp: 141349

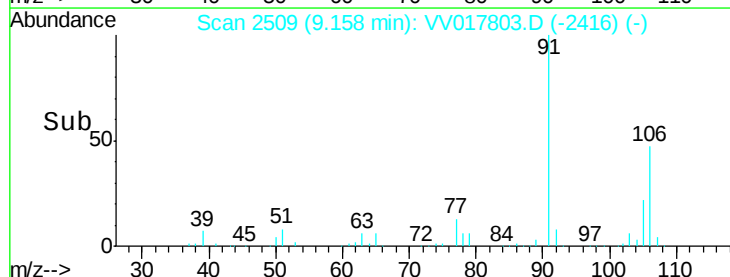
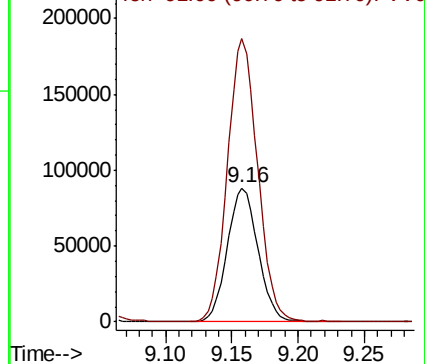
Ion Ratio Lower Upper

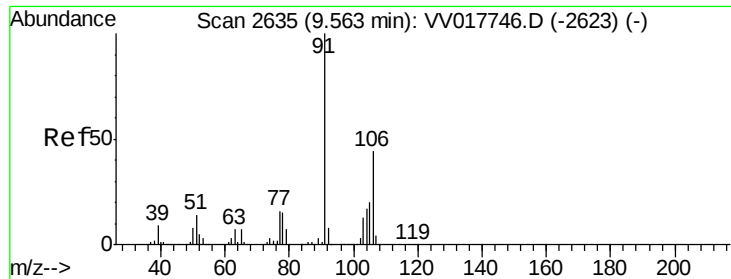
106 100

91 211.7 145.8 270.8



Abundance Ion 106.00 (105.70 to 106.70): VV017746.D (-2498) (-)





#54

o-xylene

Concen: 49.108 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

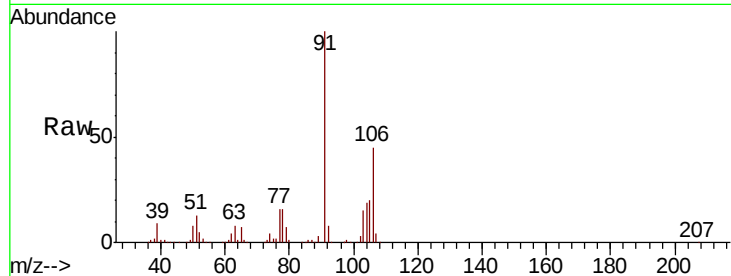
VSTD05089

Tot Ion:106 Resp: 135944

Ion Ratio Lower Upper

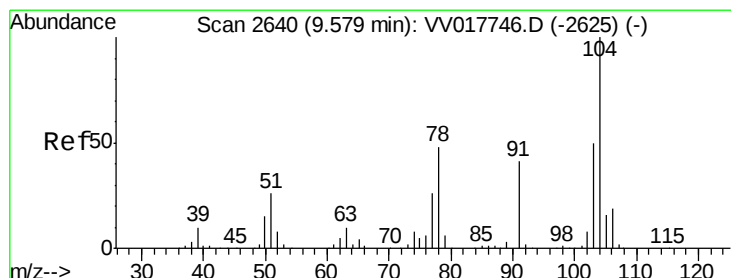
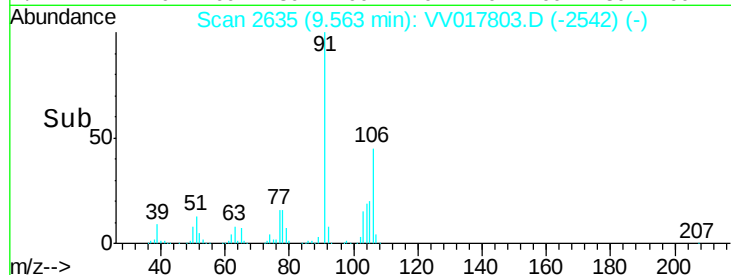
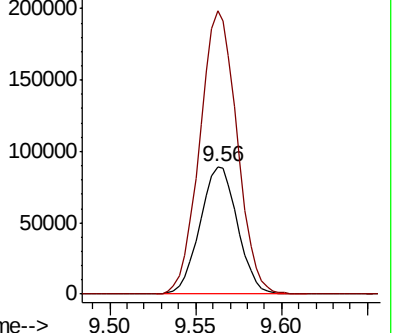
106 100

91 221.8 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.206 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017803.D

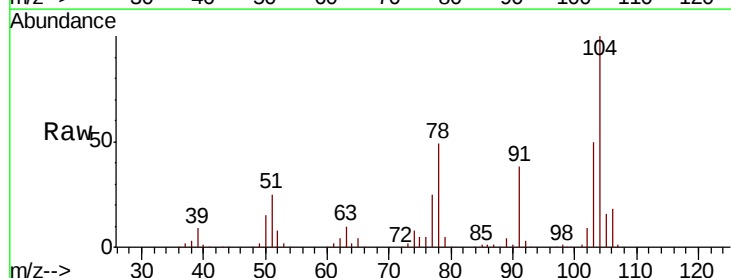
Acq: 06 Aug 2020 10:06

Tgt Ion:104 Resp: 241748

Ion Ratio Lower Upper

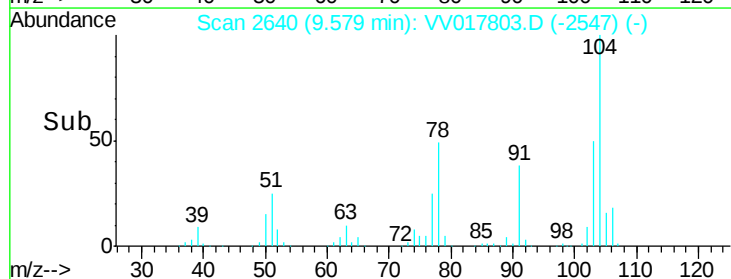
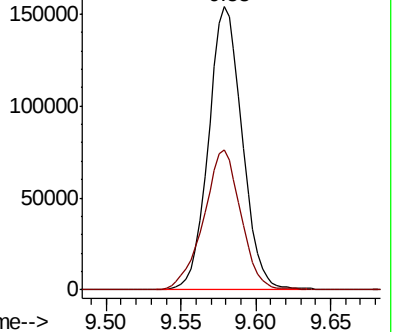
104 100

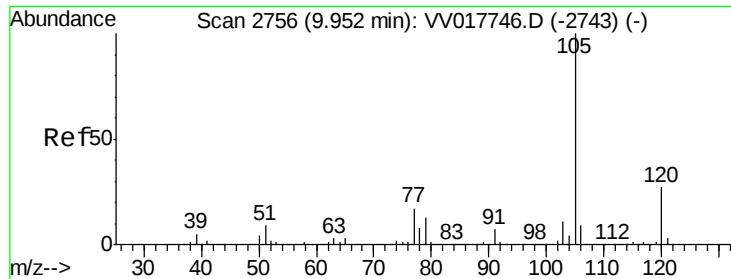
78 49.3 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.546 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

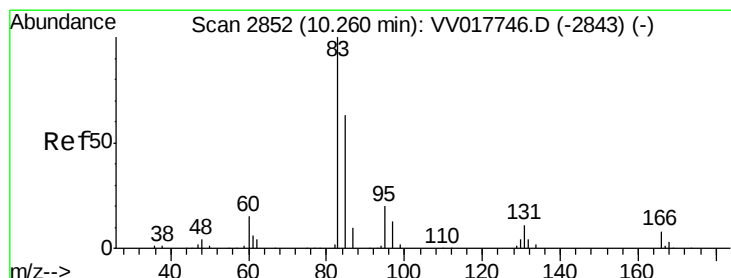
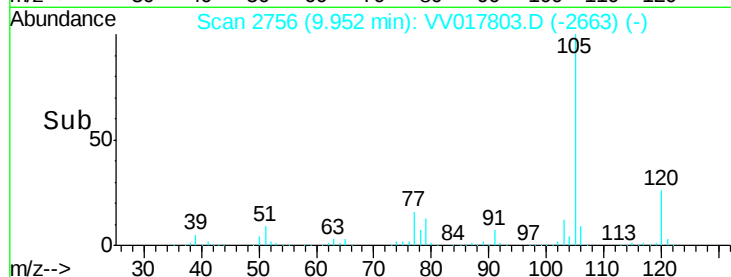
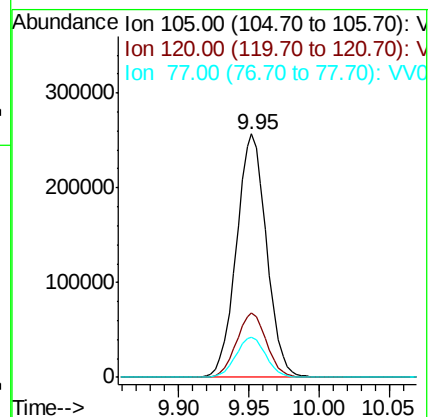
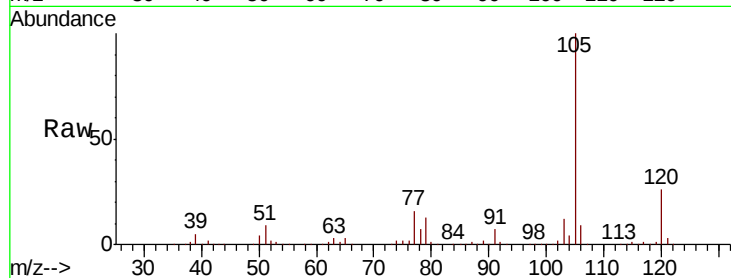
Tot Ion:105 Resp: 382982

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

77 16.4 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 44.126 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

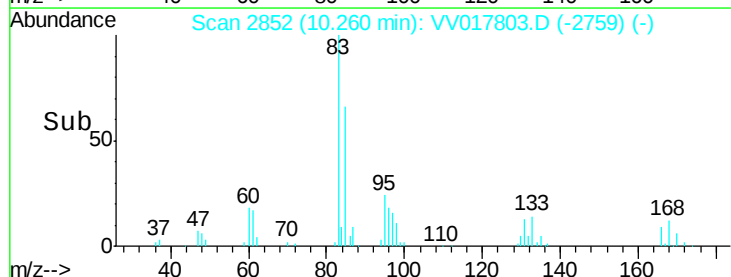
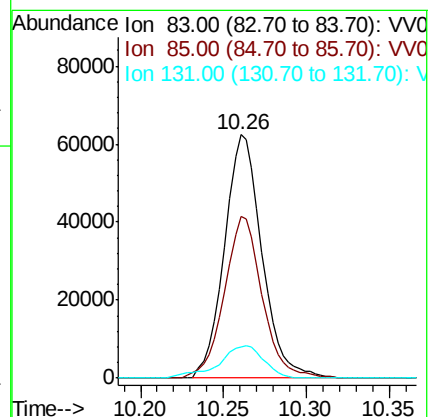
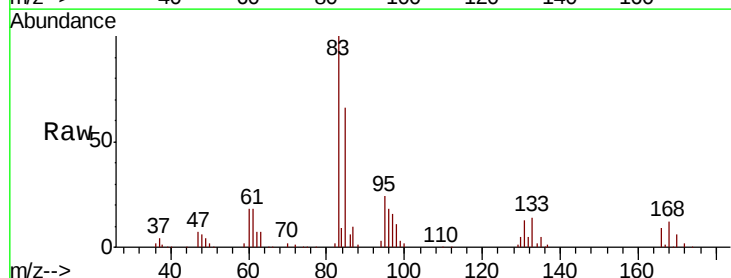
Tgt Ion: 83 Resp: 98301

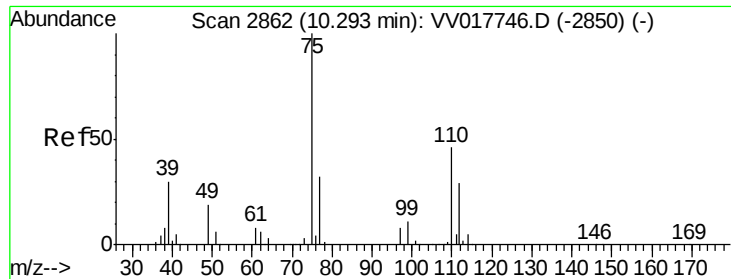
Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.8

131 12.8 9.5 14.3

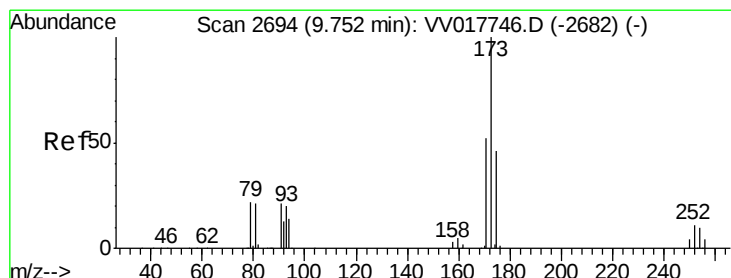
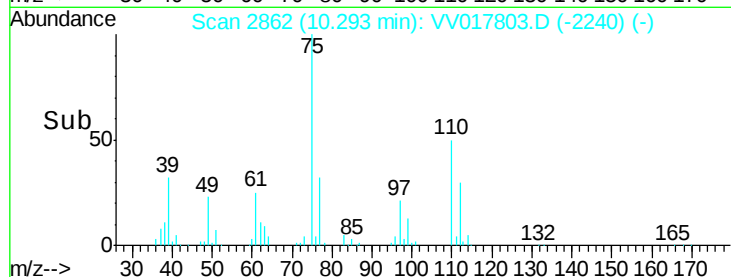
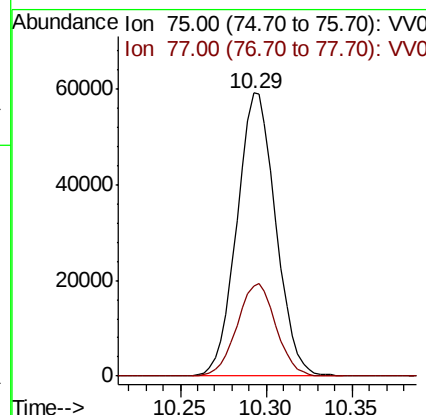
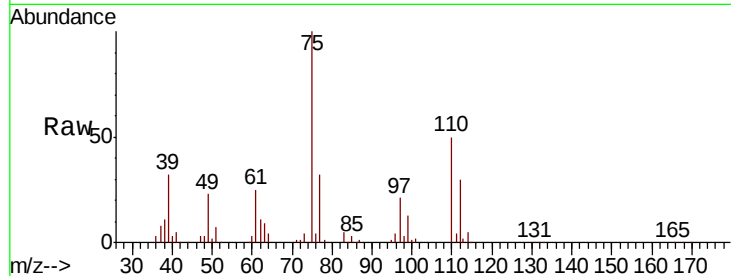




#59
 1,2,3-Trichloropropane
 Concen: 47.390 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

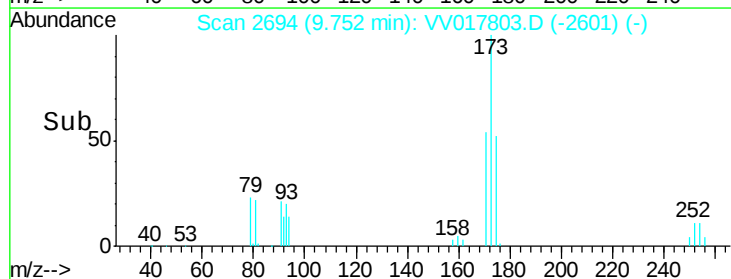
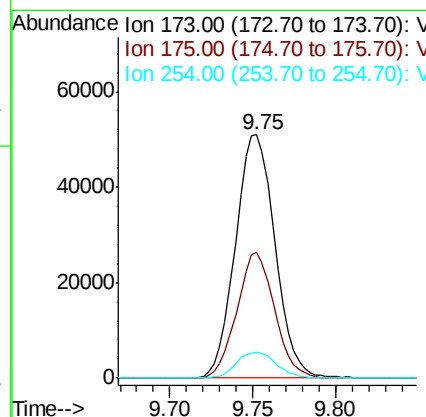
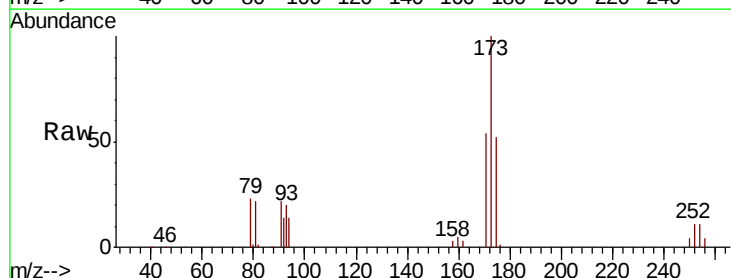
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

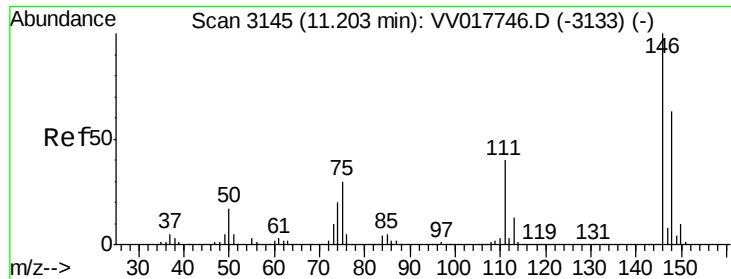
Tot Ion: 75 Resp: 92680
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.1 37.7



#61
 Bromoform
 Concen: 52.353 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Tgt Ion: 173 Resp: 84777
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.8 59.8
 254 10.8 8.4 12.6

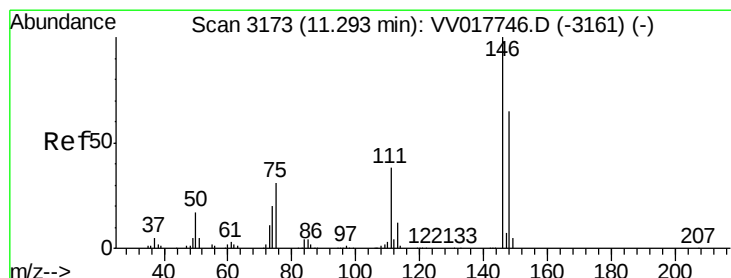
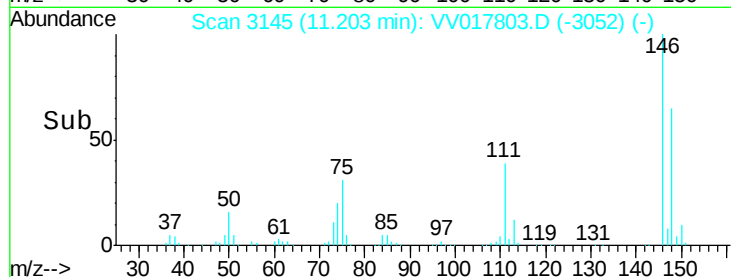
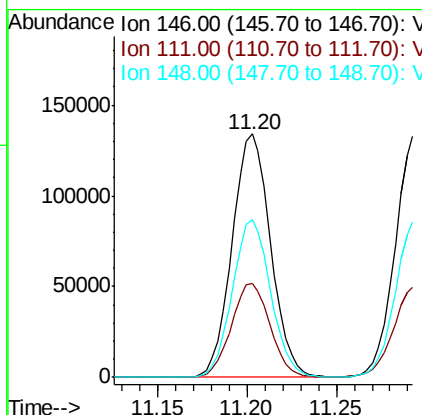
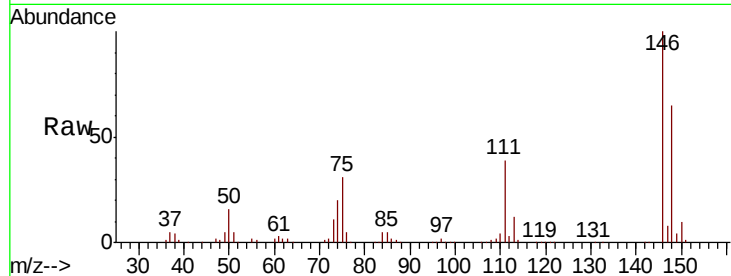




#62
 1,3-Dichlorobenzene
 Concen: 48.220 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

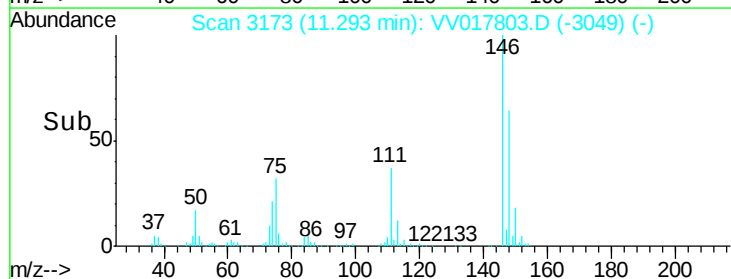
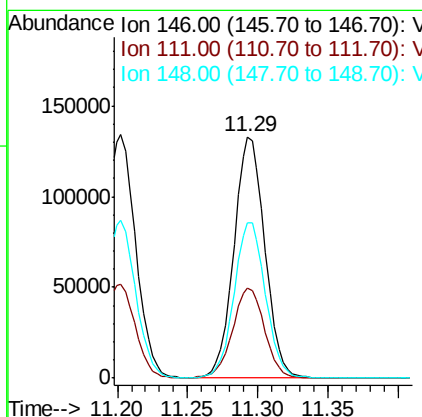
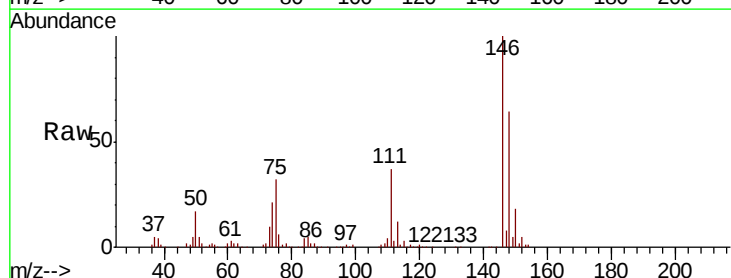
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

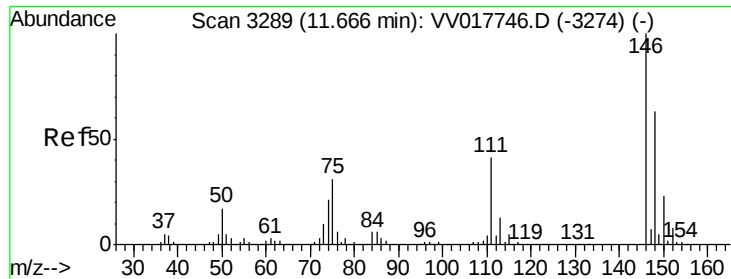
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.6	51.4
148	64.7	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 47.979 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.4	49.0
148	64.4	45.3	84.1





#65

1,2-Dichlorobenzene

Concen: 47.981 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

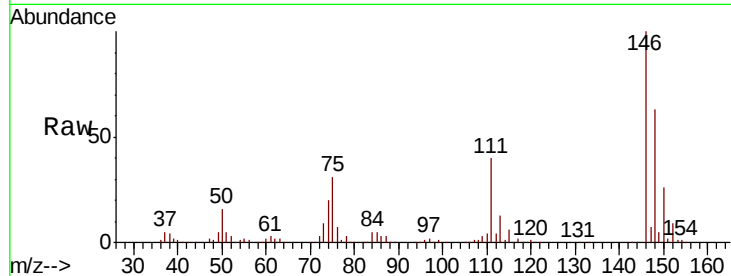
Tot Ion:146 Resp: 202074

Ion Ratio Lower Upper

146 100

111 40.1 32.6 49.0

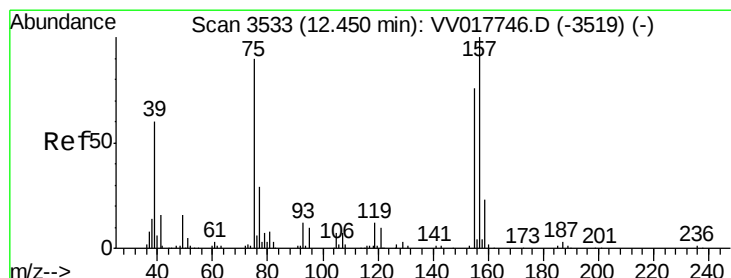
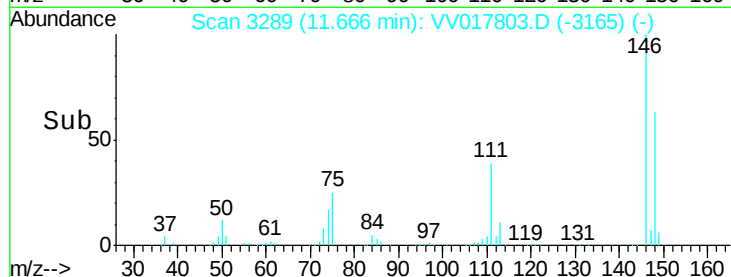
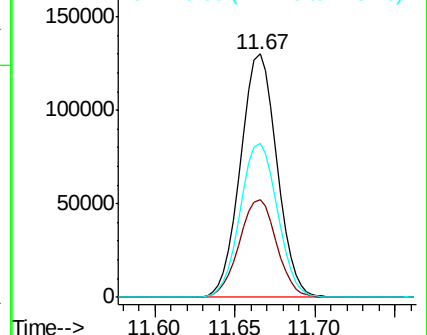
148 63.1 50.4 75.6



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: 52.057 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

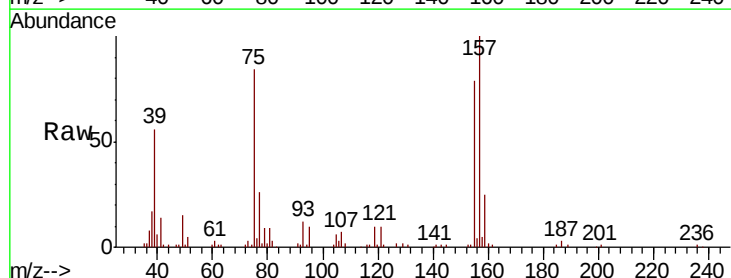
Tgt Ion: 75 Resp: 34261

Ion Ratio Lower Upper

75 100

155 93.7 70.2 105.2

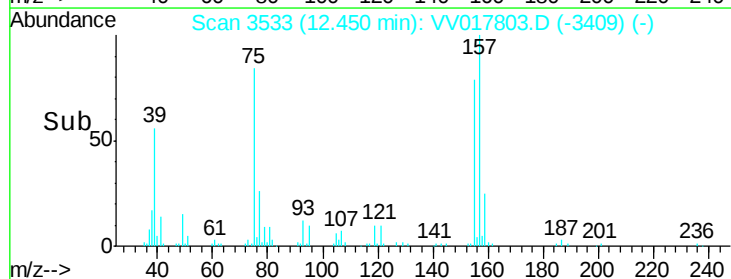
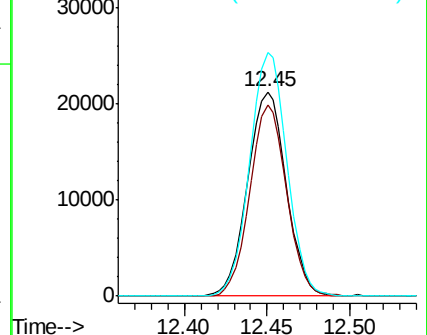
157 119.2 88.9 133.3

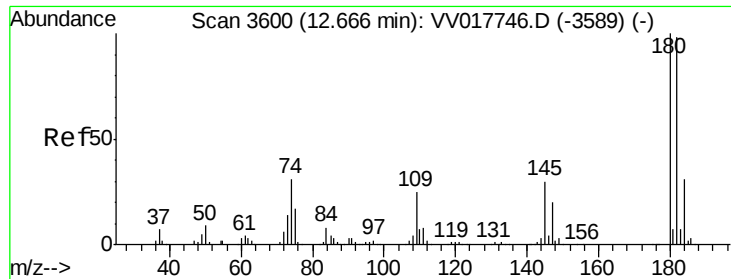


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

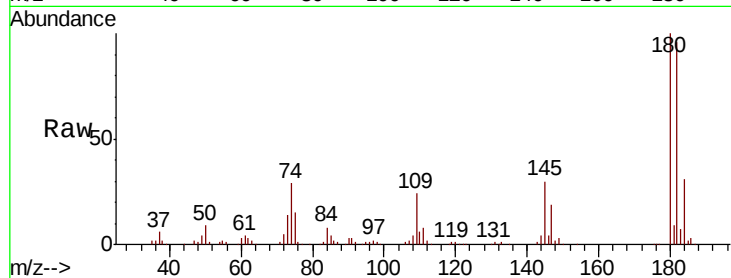




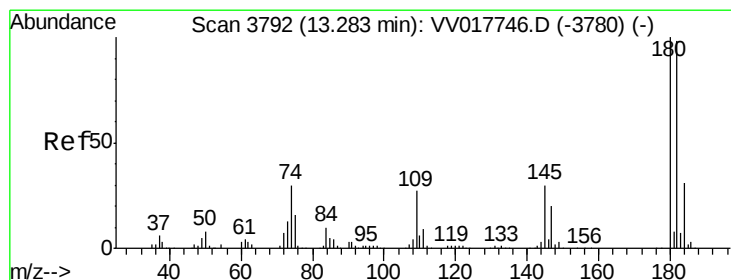
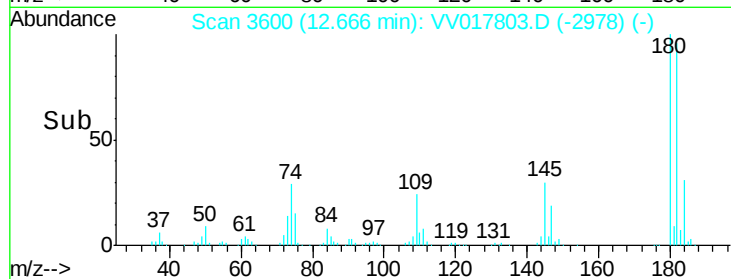
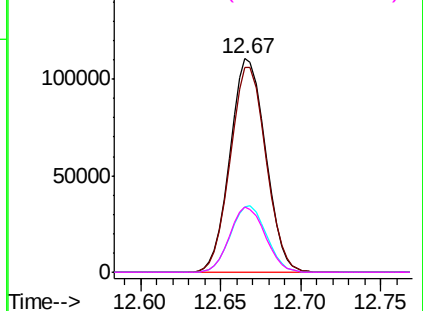
#67
 1,3,5-Trichlorobenzene
 Concen: 51.257 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tot Ion:180	Resp:	167903
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.9 115.3
184	31.2	25.1 37.7
145	30.4	24.3 36.5

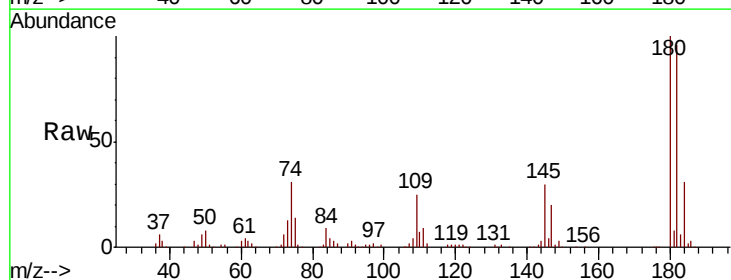


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

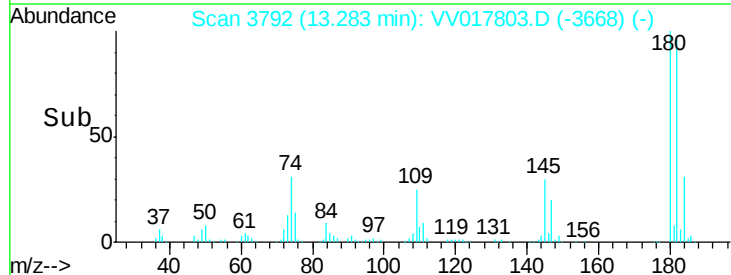
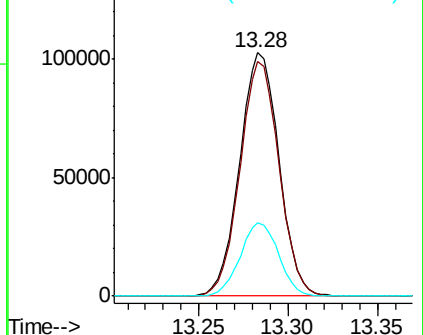


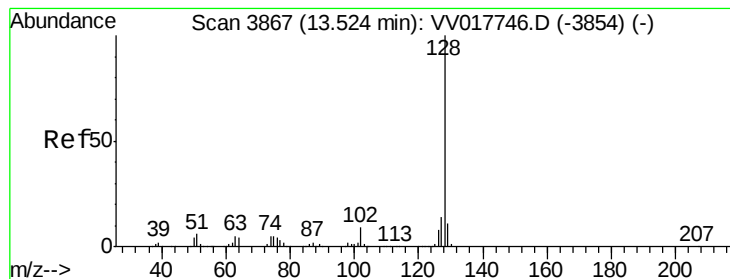
#68
 1,2,4-trichlorobenzene
 Concen: 55.591 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017803.D
 Acq: 06 Aug 2020 10:06

Tgt Ion:180	Resp:	158044
Ion Ratio	Lower	Upper
180	100	
182	95.5	76.0 114.0
145	29.5	24.6 36.8



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





#69

Naphthalene

Concen: 56.716 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

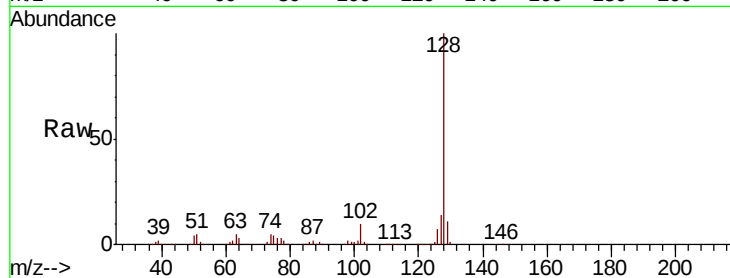
Tot Ion:128 Resp: 425361

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

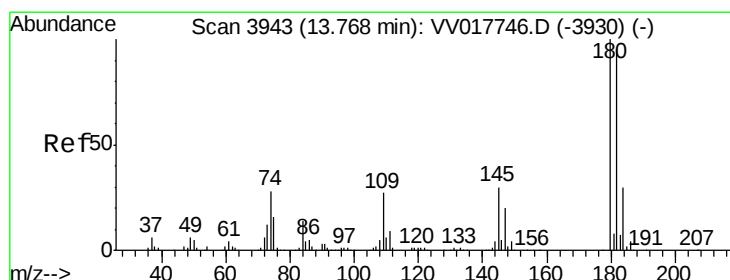
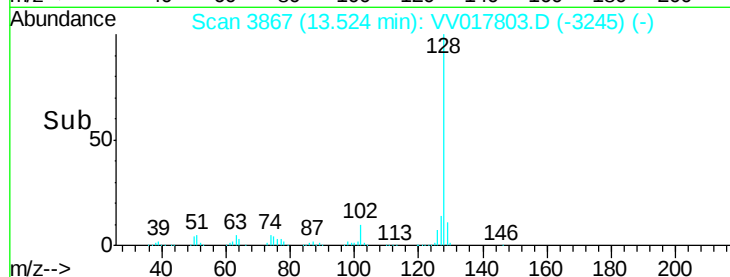
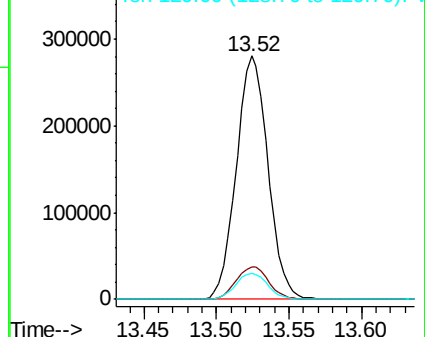
129 10.9 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.698 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017803.D

Acq: 06 Aug 2020 10:06

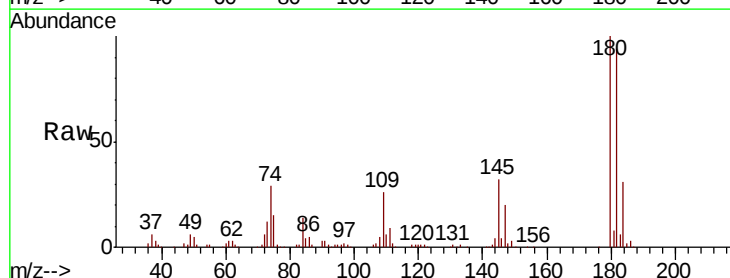
Tgt Ion:180 Resp: 162687

Ion Ratio Lower Upper

180 100

182 94.4 76.7 115.1

145 32.2 26.4 39.6



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

