

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
 Data File : VV017539.D
 Acq On : 20 Jul 2020 12:36
 Operator : SY/MD
 Sample : VSTD05061
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Quant Time: Jul 20 17:47:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	285335	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279118	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155759	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81667	54.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	64654	59.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	185122	54.33	ug/L	0.00
21) 2-Butanone-d5	3.91	46	112438	109.52	ug/L	0.00
24) Chloroform-d	4.37	84	176347	51.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	123888	52.54	ug/L	0.00
32) Benzene-d6	5.07	84	301701	50.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	86637	50.28	ug/L	0.00
41) Toluene-d8	7.33	98	291777	50.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	55389	54.41	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	88265	120.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132061	53.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	133800	51.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	134386	44.869	ug/L 100
3) Chloromethane	1.25	50	97909	45.928	ug/L 100
5) Vinyl chloride	1.32	62	112743	51.168	ug/L 100
6) Bromomethane	1.53	94	71724	60.247	ug/L 100
8) Chloroethane	1.60	64	62480	53.690	ug/L 100
9) Trichlorofluoromethane	1.76	101	200197	49.146	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102883	53.333	ug/L 100
12) 1,1-Dichloroethene	2.13	96	91037	52.251	ug/L 100
13) Acetone	2.19	43	126484	92.440	ug/L 100
14) Carbon disulfide	2.31	76	234511	45.793	ug/L 100
15) Methyl Acetate	2.44	43	89405	49.039	ug/L 100
16) Methylene chloride	2.52	84	92583	46.727	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	83703	45.822	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	320439	51.184	ug/L 100
19) 1,1-Dichloroethane	3.21	63	162292	47.732	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	96887	48.841	ug/L 100
22) 2-Butanone	3.99	43	129009	97.733	ug/L 100
23) Bromochloromethane	4.27	128	54649	49.314	ug/L 100
25) Chloroform	4.40	83	188468	49.196	ug/L 100
27) 1,2-Dichloroethane	5.15	62	161628	48.250	ug/L 100
29) Cyclohexane	4.70	56	131476	46.118	ug/L # 100
30) 1,1,1-Trichloroethane	4.63	97	184602	48.475	ug/L 100
31) Carbon tetrachloride	4.85	117	166326	47.847	ug/L 100
33) Benzene	5.12	78	351015	48.103	ug/L 100
34) Trichloroethene	5.94	95	96009	44.669	ug/L 100
35) Methylcyclohexane	6.15	83	145750	46.394	ug/L 100
37) 1,2-Dichloropropane	6.20	63	86845	48.517	ug/L 100
38) Bromodichloromethane	6.53	83	146094	49.689	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	160029	51.942	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	253558	101.590	ug/L 100

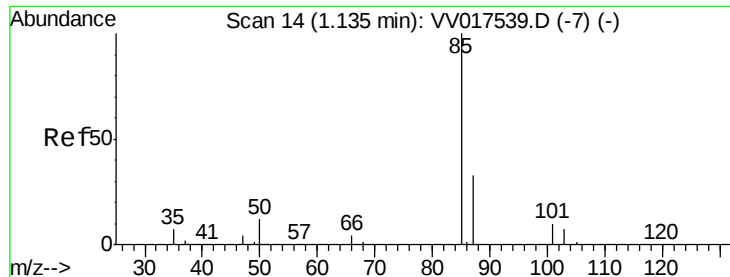
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	391701	48.108	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	165941	52.067	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	96078	48.998	ug/L	100
46) Tetrachloroethene	8.00	164	85793	47.028	ug/L	100
48) 2-Hexanone	8.16	43	208038	103.005	ug/L	100
49) Dibromochloromethane	8.26	129	126777	51.502	ug/L	100
50) 1,2-Dibromoethane	8.37	107	118859	55.195	ug/L	100
51) Chlorobenzene	8.90	112	268536	48.252	ug/L	100
52) Ethylbenzene	9.03	91	455611	48.718	ug/L	100
53) m,p-Xylene	9.16	106	172849	49.458	ug/L	100
54) o-xylene	9.56	106	173088	51.153	ug/L	100
55) Styrene	9.58	104	303268	51.538	ug/L	100
56) Isopropylbenzene	9.95	105	475748	50.585	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	150265	51.725	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	125085	49.793	ug/L	100
61) Bromoform	9.75	173	98390	52.042	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	236023	48.861	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	239412	48.597	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	239514	49.475	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	44904	55.805	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	189970	51.627	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	172627	53.283	ug/L	100
69) Naphthalene	13.52	128	502693	55.739	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174768	53.348	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.869 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

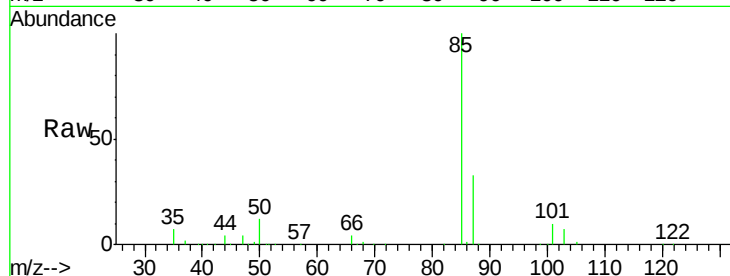
VSTD05061

Tgt Ion: 85 Resp: 134386

Ion Ratio Lower Upper

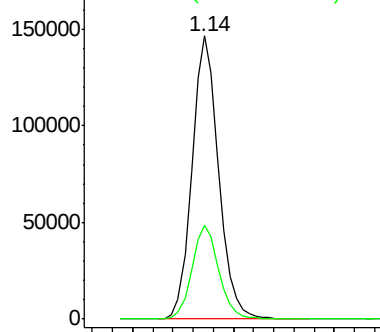
85 100

87 33.3 26.6 40.0

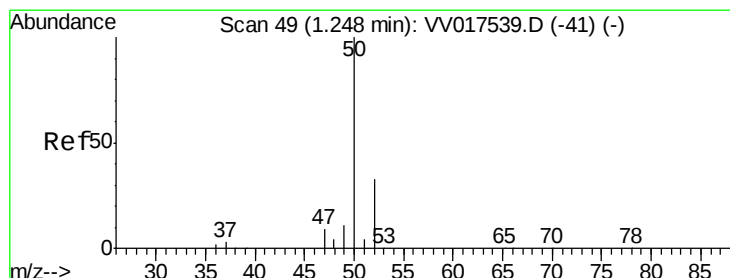
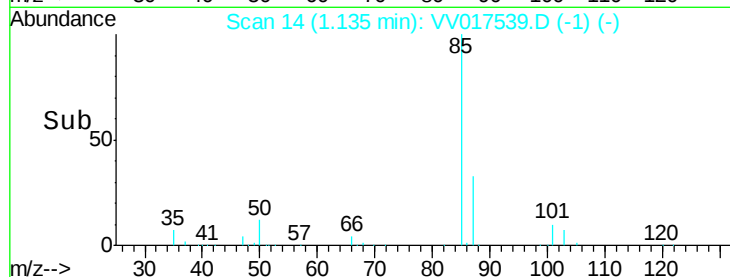


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 45.928 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017539.D

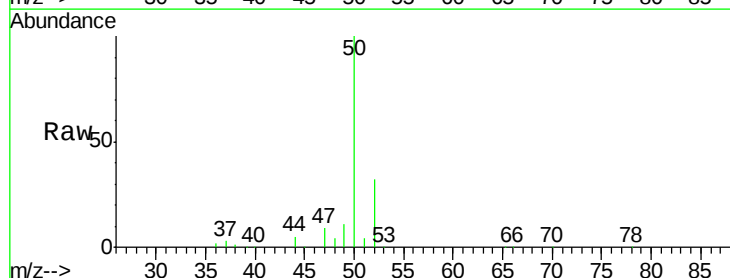
Acq: 20 Jul 2020 12:36

Tgt Ion: 50 Resp: 97909

Ion Ratio Lower Upper

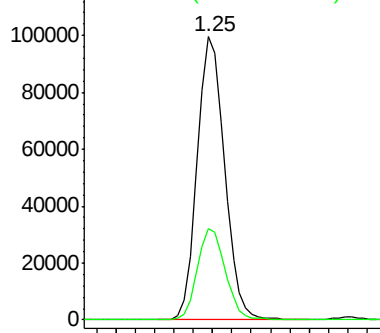
50 100

52 32.5 22.7 42.3

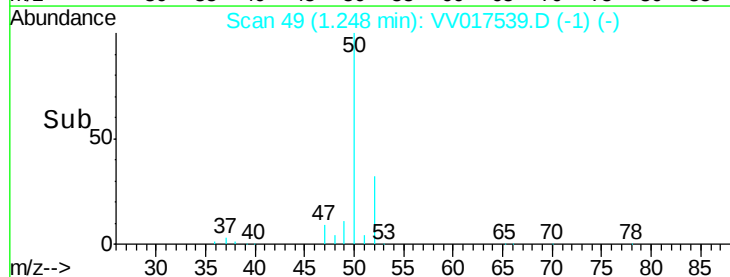


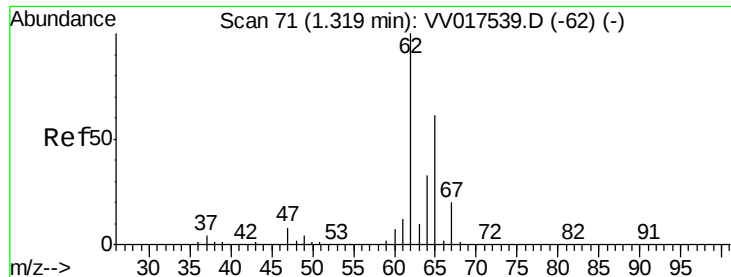
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 51.168 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

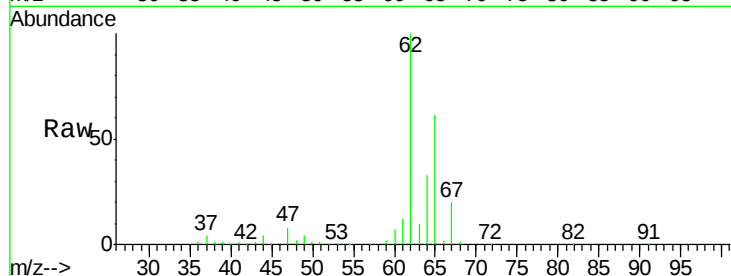
VSTD05061

Tgt Ion: 62 Resp: 112743

Ion Ratio Lower Upper

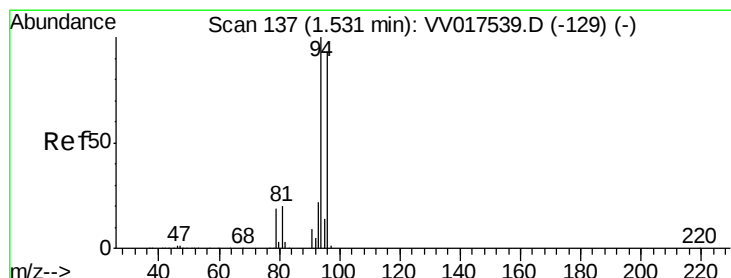
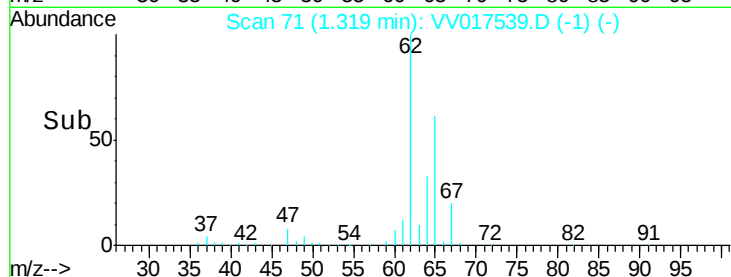
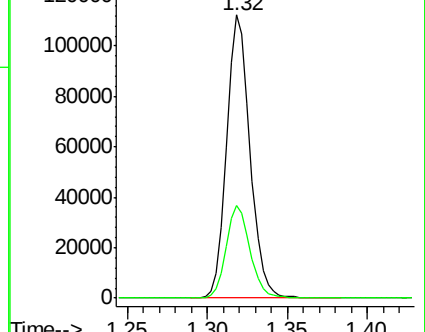
62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 60.247 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017539.D

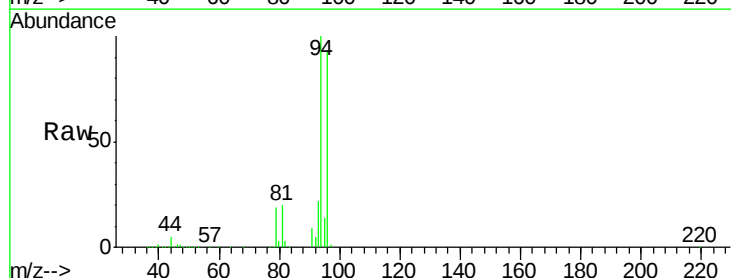
Acq: 20 Jul 2020 12:36

Tgt Ion: 94 Resp: 71724

Ion Ratio Lower Upper

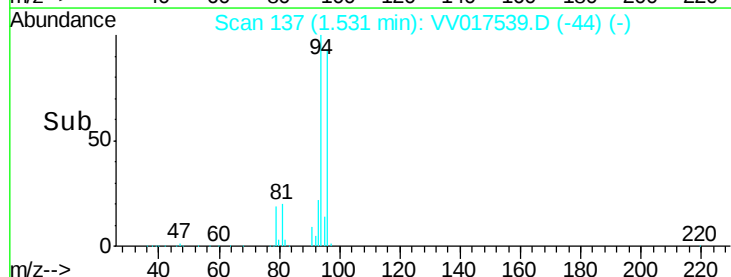
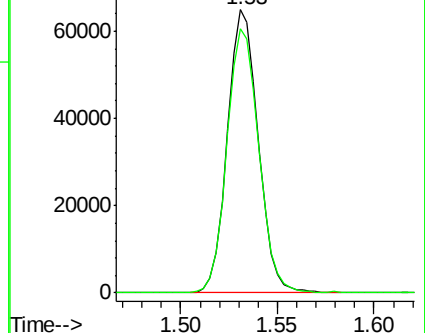
94 100

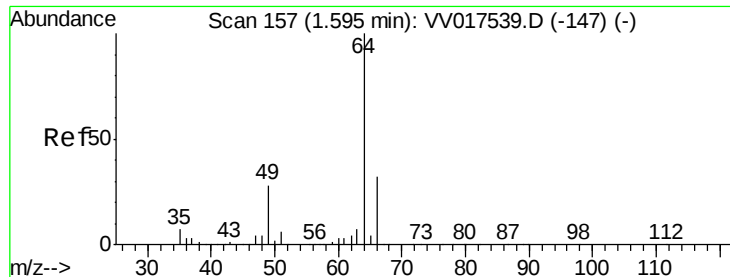
96 93.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 53.690 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

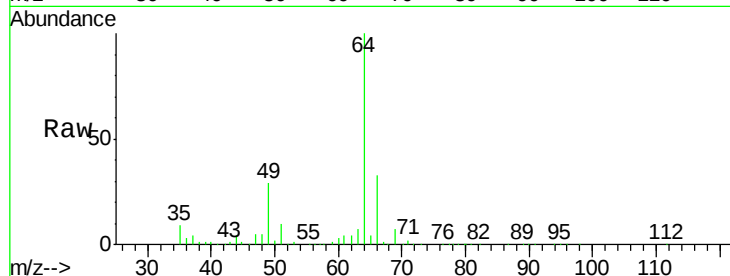
VSTD05061

Tgt Ion: 64 Resp: 62480

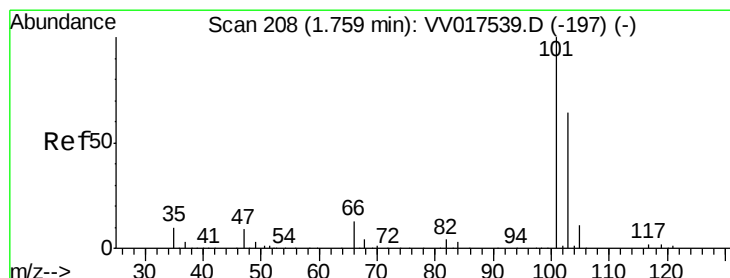
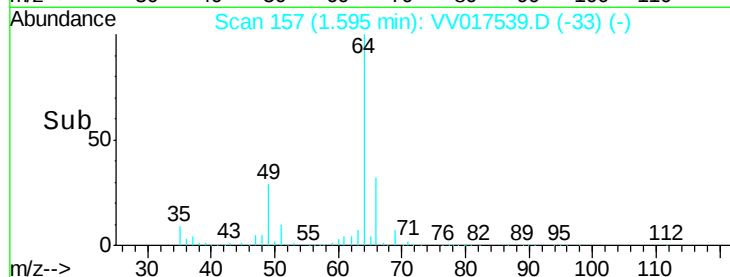
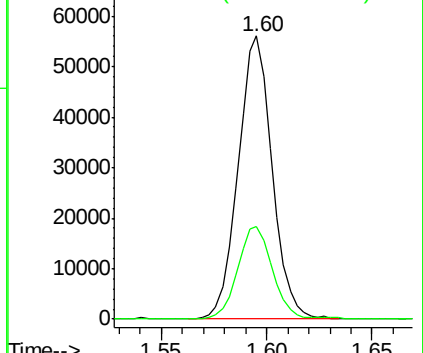
Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV017539.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 49.146 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV017539.D

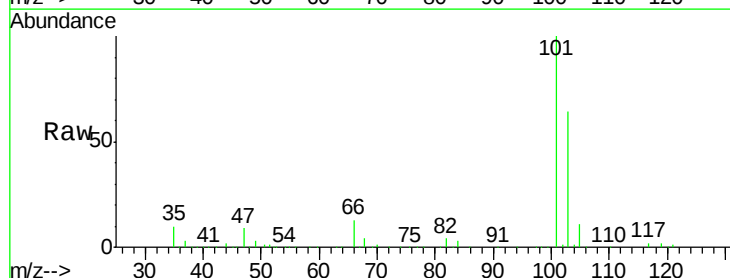
Acq: 20 Jul 2020 12:36

Tgt Ion: 101 Resp: 200197

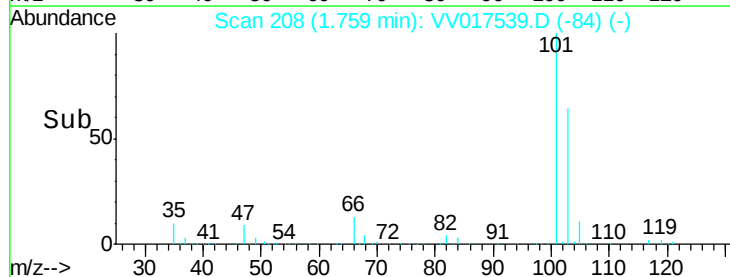
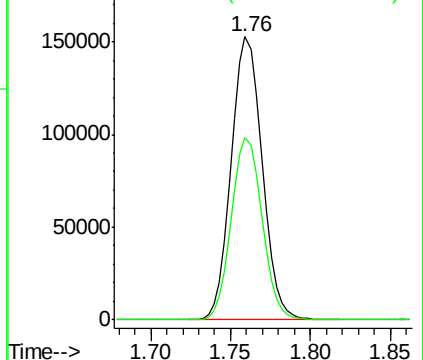
Ion Ratio Lower Upper

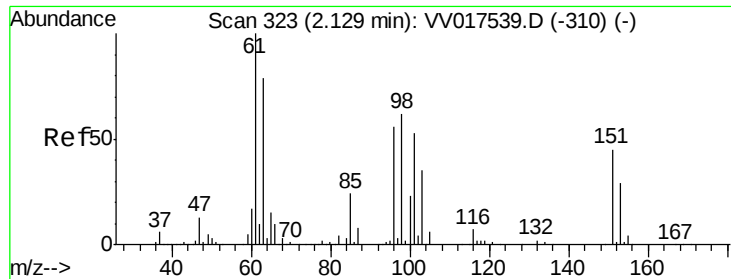
101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV017539.D (-197) (-)





#10

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

Concen: 53.333 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

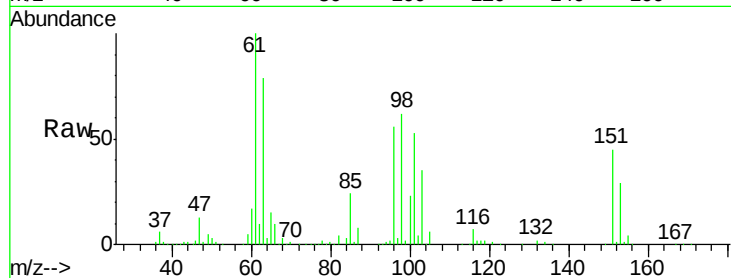
Tgt Ion: 101 Resp: 102883

Ion Ratio Lower Upper

101 100

85 45.3 36.2 54.4

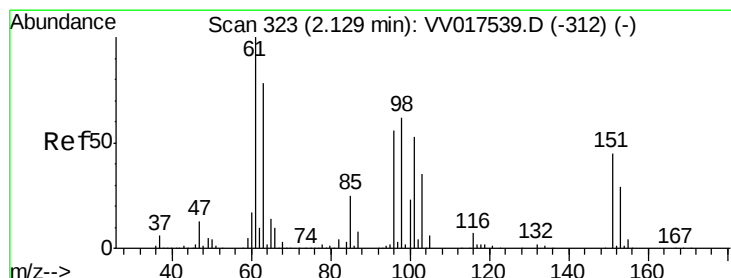
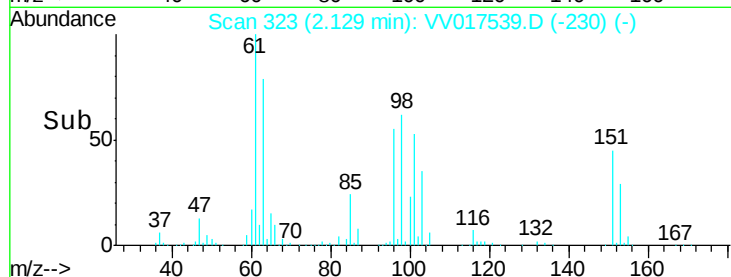
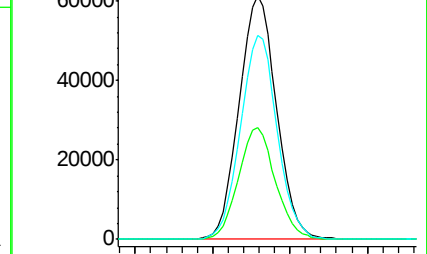
151 82.4 65.9 98.9



Abundance Ion 101.00 (100.70 to 101.70): VV017539.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017539.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017539.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 52.251 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

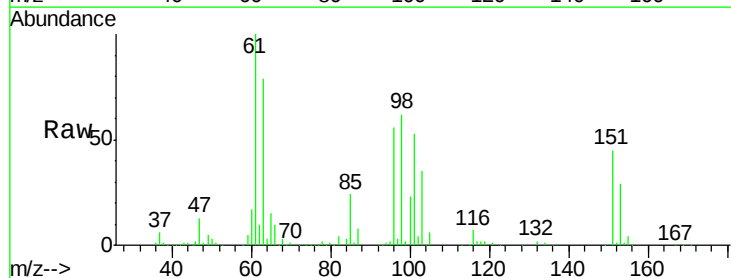
Tgt Ion: 96 Resp: 91037

Ion Ratio Lower Upper

96 100

61 180.0 126.0 234.0

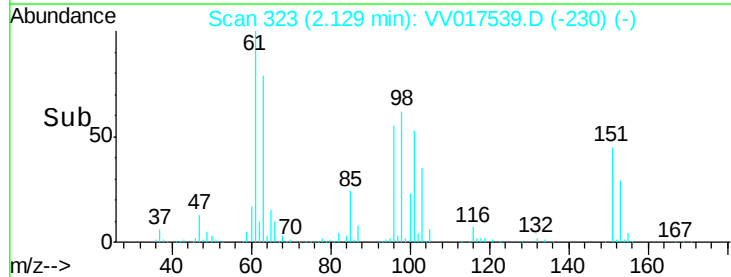
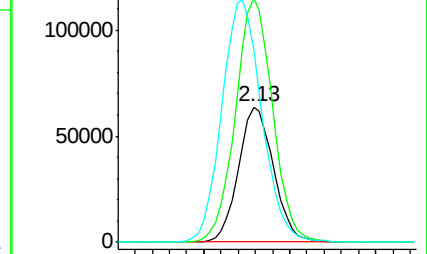
63 142.6 99.8 185.4

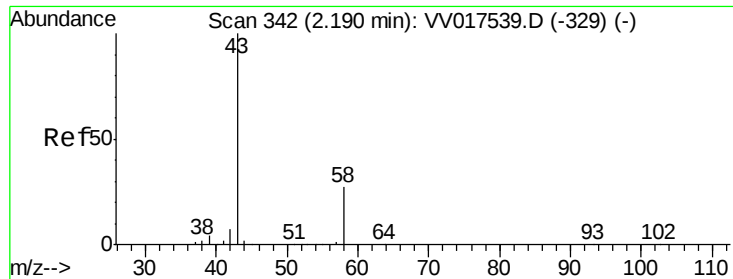


Abundance Ion 96.00 (95.70 to 96.70): VV017539.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017539.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017539.D (-312) (-)





#13

Acetone

Concen: 92.440 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

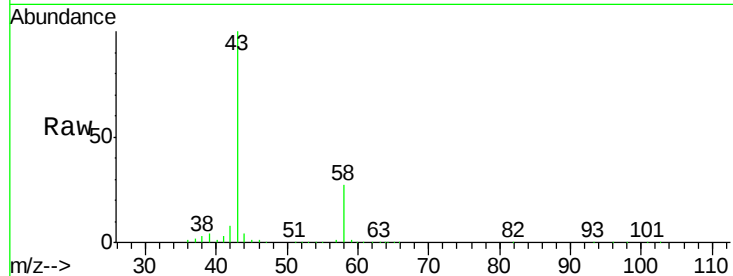
VSTD05061

Tgt Ion: 43 Resp: 126484

Ion Ratio Lower Upper

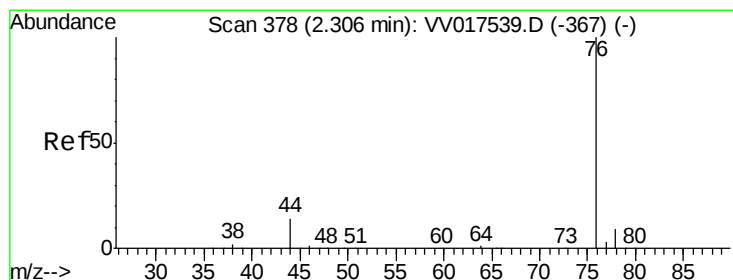
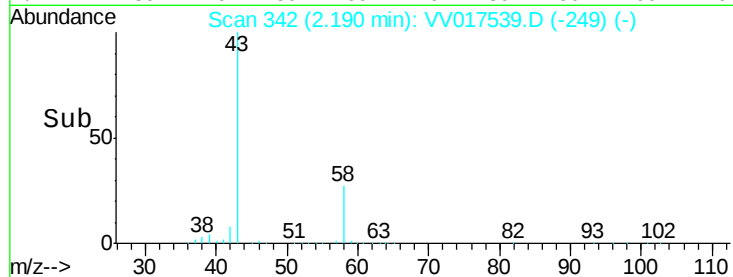
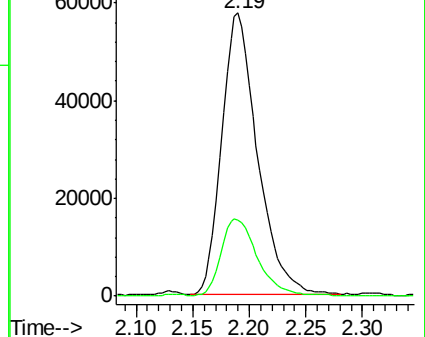
43 100

58 28.0 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017539.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017539.D (-329) (-)



#14

Carbon disulfide

Concen: 45.793 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017539.D

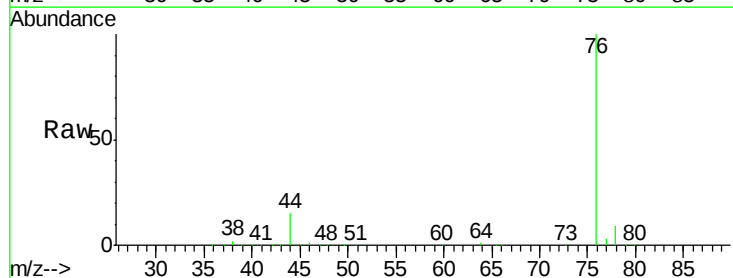
Acq: 20 Jul 2020 12:36

Tgt Ion: 76 Resp: 234511

Ion Ratio Lower Upper

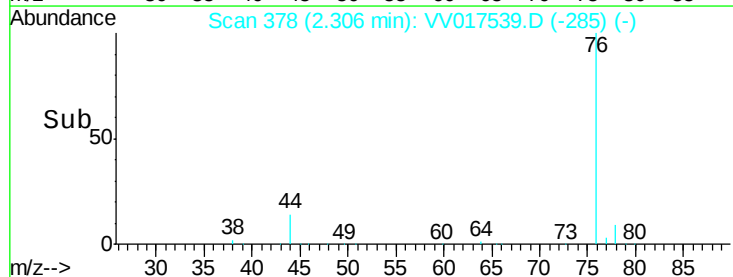
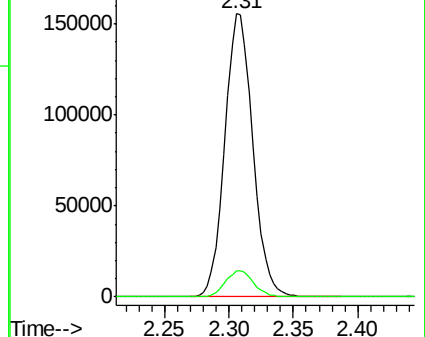
76 100

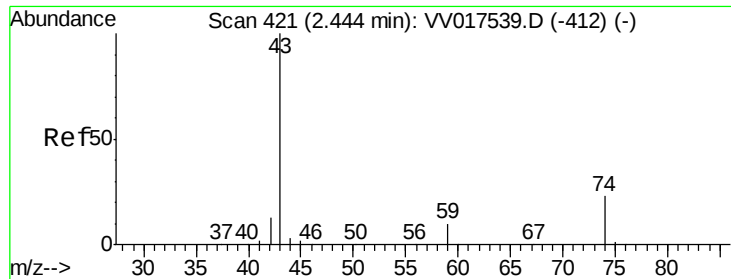
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017539.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017539.D (-367) (-)

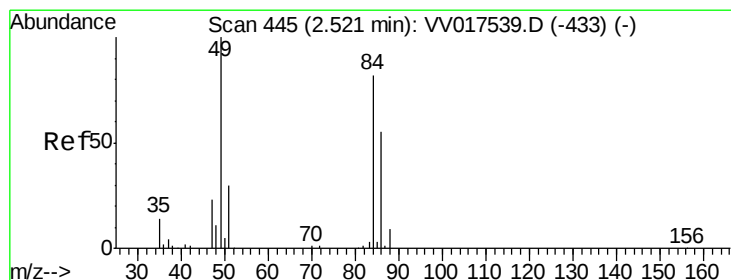
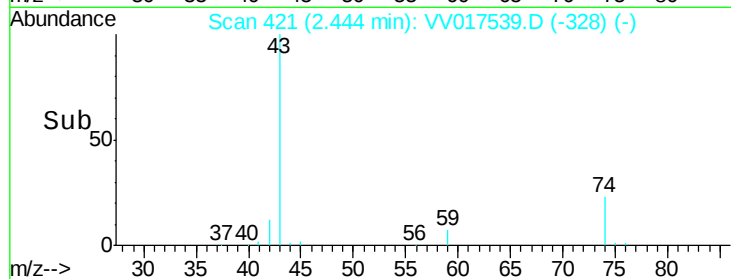
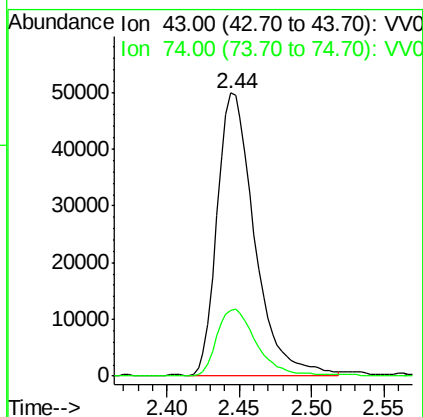
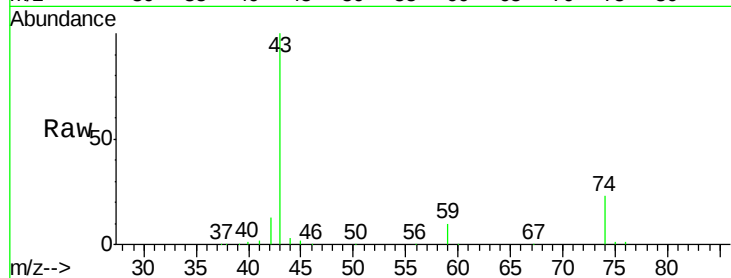




#15
Methyl Acetate
Concen: 49.039 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

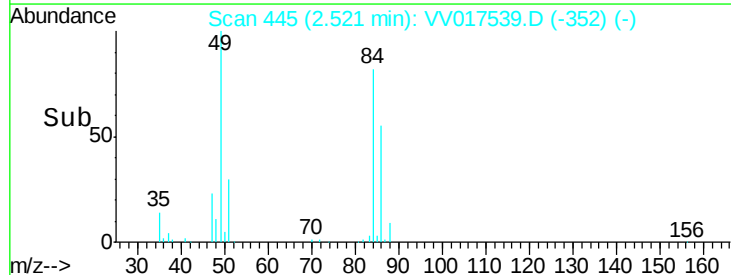
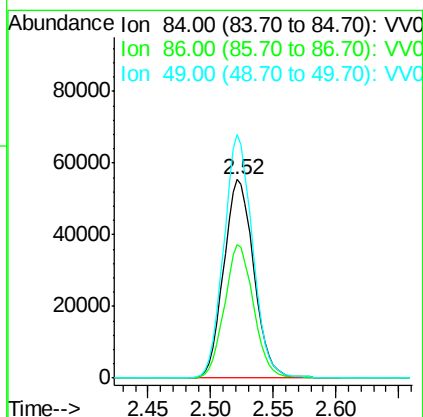
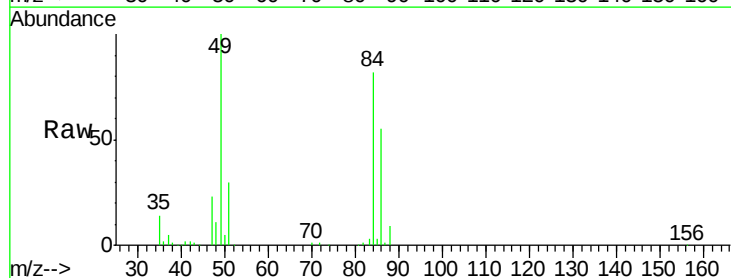
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

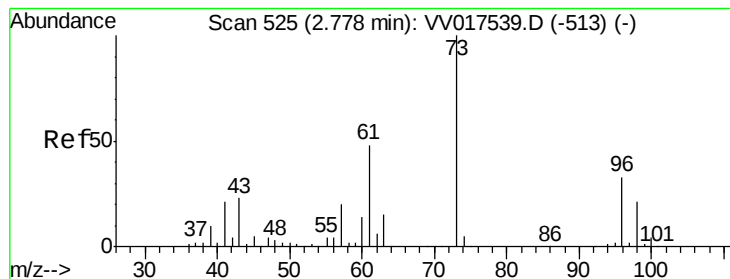
Tgt Ion: 43 Resp: 89405
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 46.727 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

Tgt Ion: 84 Resp: 92583
Ion Ratio Lower Upper
84 100
86 67.3 47.1 87.5
49 122.6 85.8 159.4





#17

trans-1,2-Dichloroethene

Concen: 45.822 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

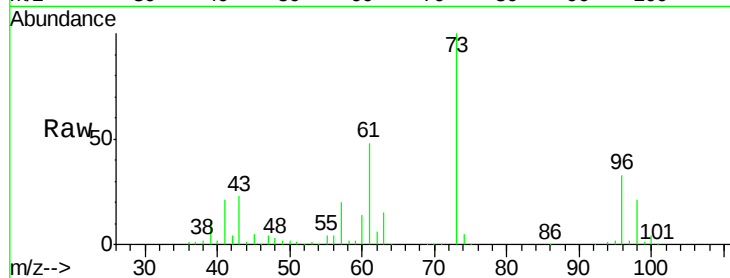
Tgt Ion: 96 Resp: 83703

Ion Ratio Lower Upper

96 100

61 143.5 100.4 186.6

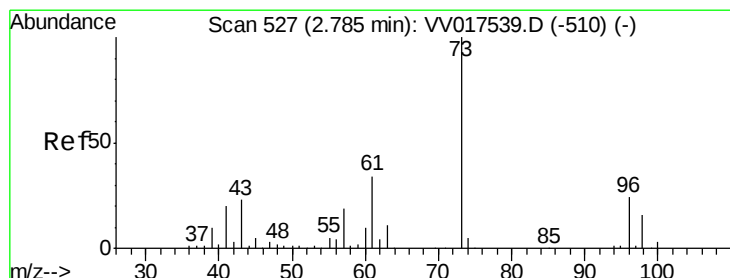
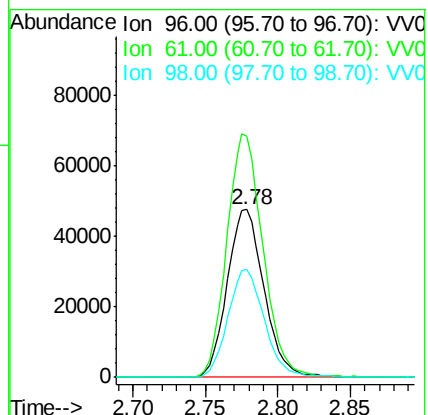
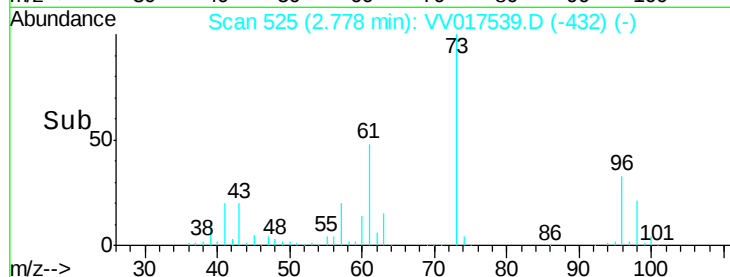
98 64.0 44.8 83.2



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: 51.184 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

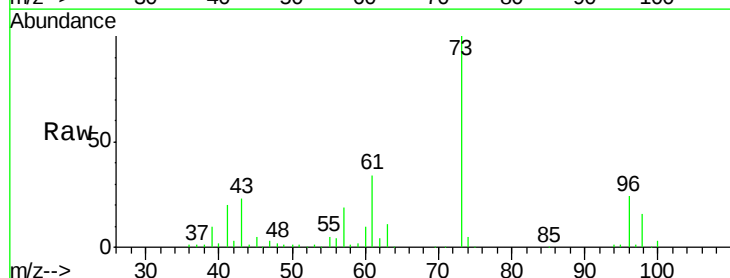
Tgt Ion: 73 Resp: 320439

Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

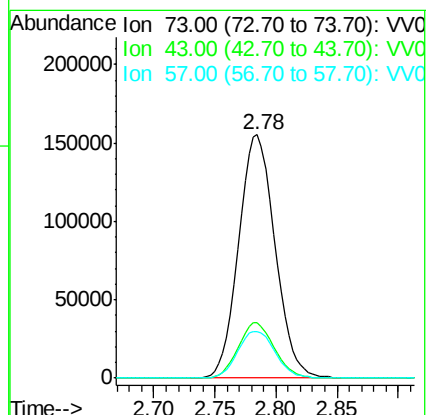
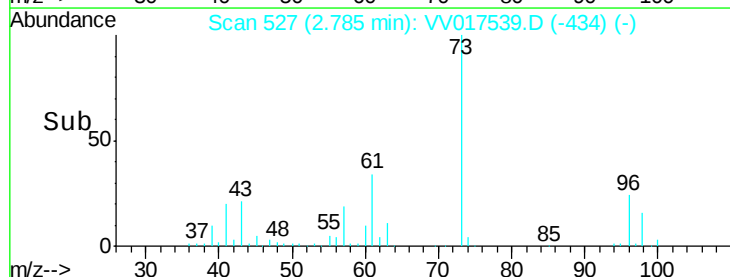
57 19.8 15.8 23.8

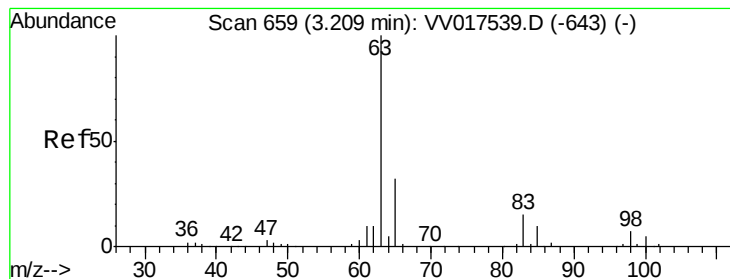


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 47.732 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

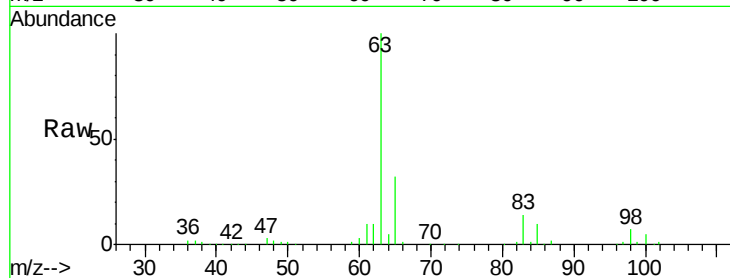
Tgt Ion: 63 Resp: 162292

Ion Ratio Lower Upper

63 100

65 31.5 22.0 41.0

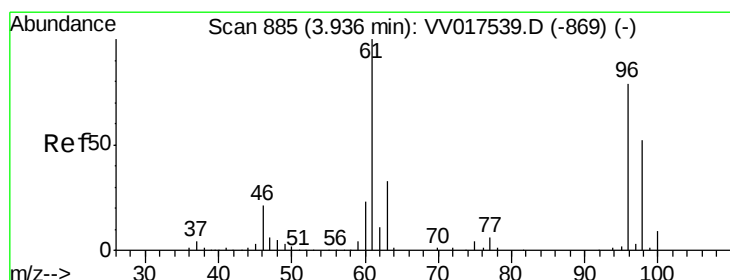
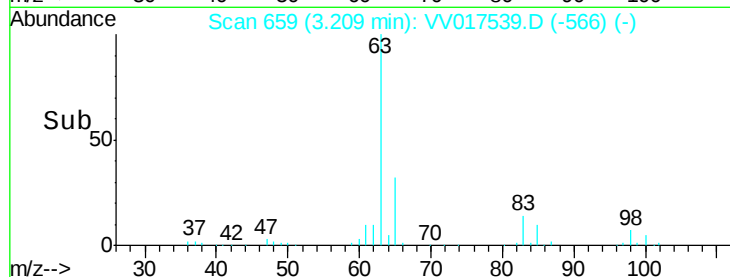
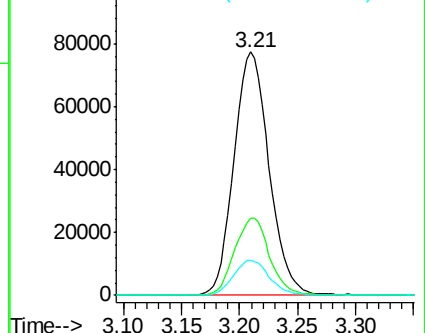
83 14.5 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.841 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

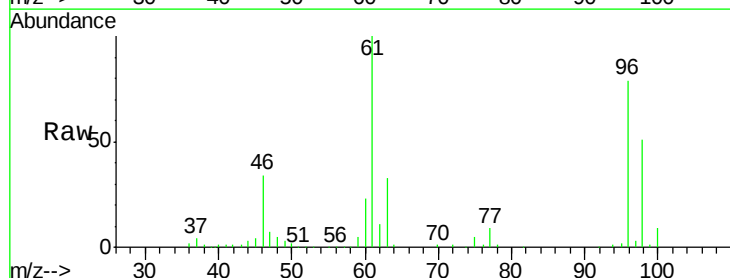
Tgt Ion: 96 Resp: 96887

Ion Ratio Lower Upper

96 100

61 126.5 88.5 164.4

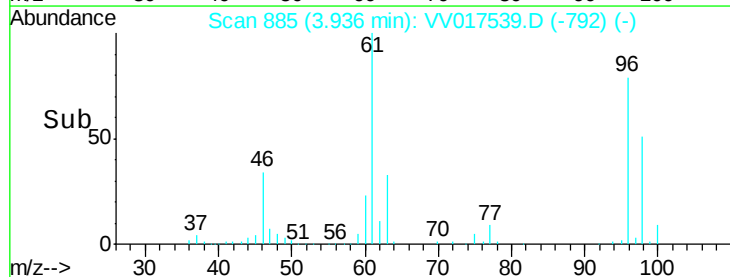
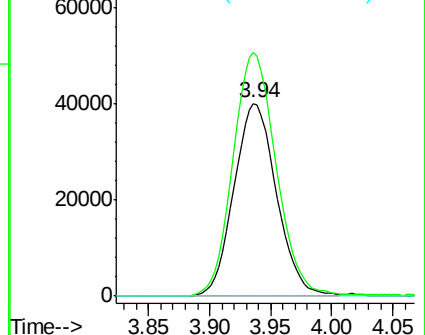
68 0.0 0.0 0.0

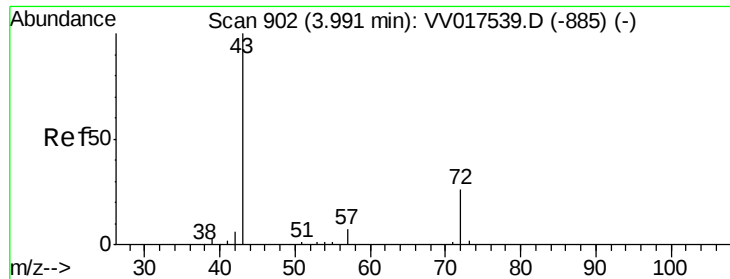


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.733 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampled :

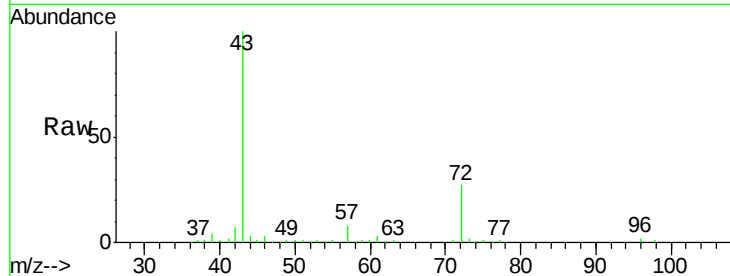
VSTD05061

Tgt Ion: 43 Resp: 129009

Ion Ratio Lower Upper

43 100

72 25.3 12.7 38.0

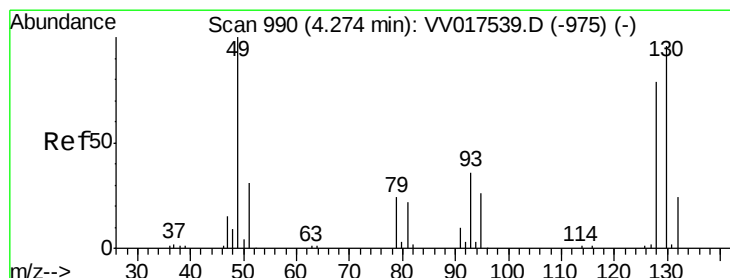
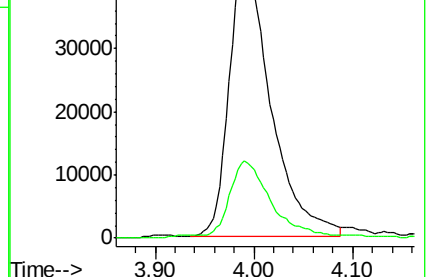
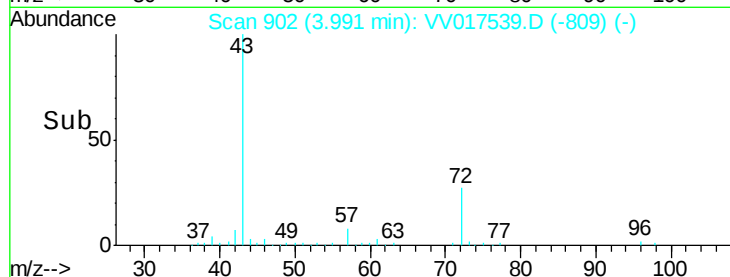


Abundance Ion 43.00 (42.70 to 43.70): VV017539.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017539.D (-885) (-)

3.99

Time-->



#23

Bromochloromethane

Concen: 49.314 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Tgt Ion: 128 Resp: 54649

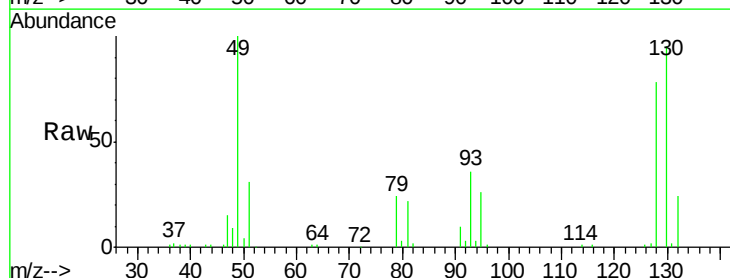
Ion Ratio Lower Upper

128 100

49 127.6 89.3 165.9

130 121.3 84.9 157.7

51 39.9 31.9 47.9



Abundance Ion 128.00 (127.70 to 128.70): VV017539.D (-975) (-)

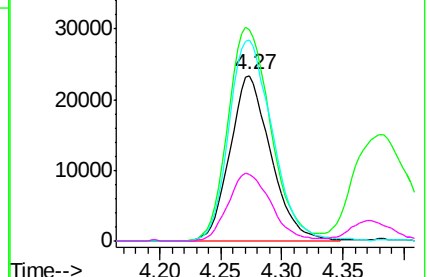
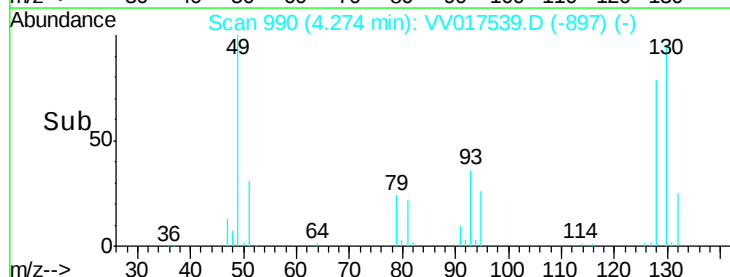
Ion 49.00 (48.70 to 49.70): VV017539.D (-975) (-)

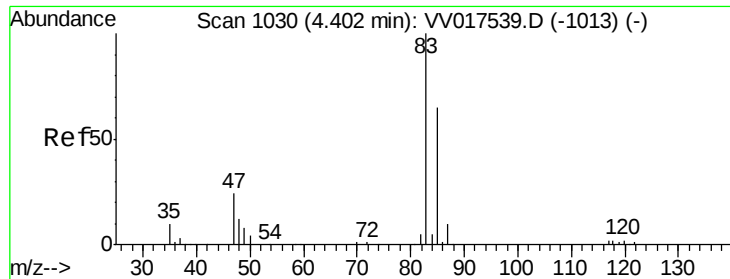
Ion 130.00 (129.70 to 130.70): VV017539.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017539.D (-975) (-)

4.27

Time-->

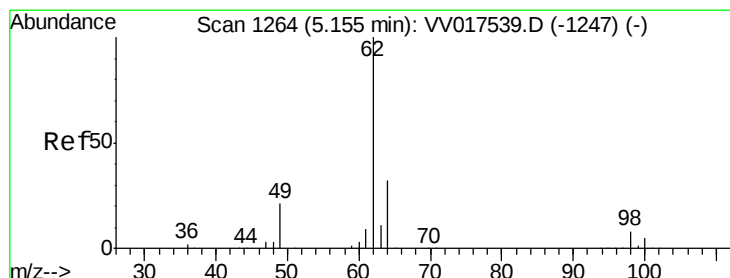
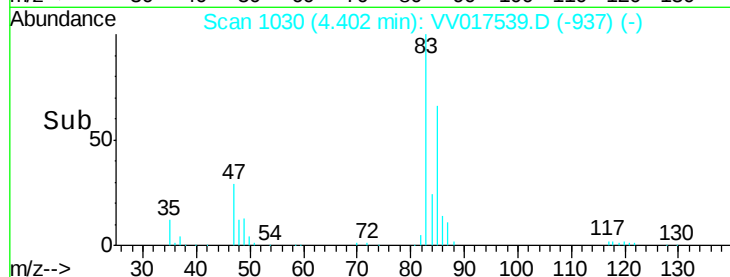
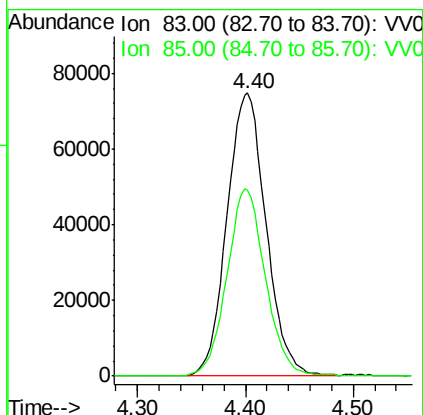
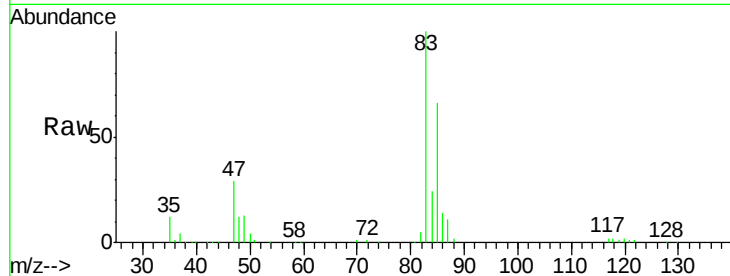




#25
Chloroform
Concen: 49.196 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

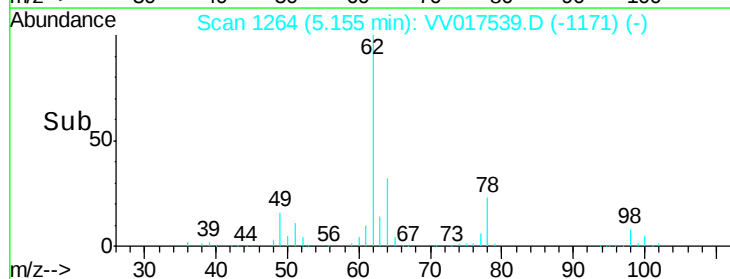
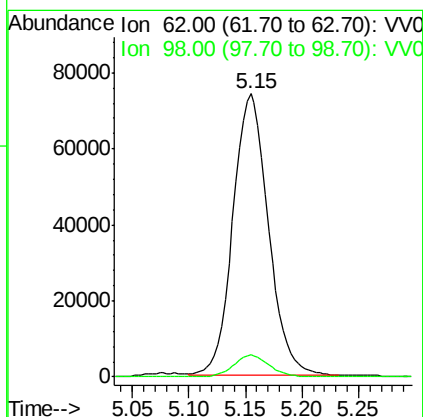
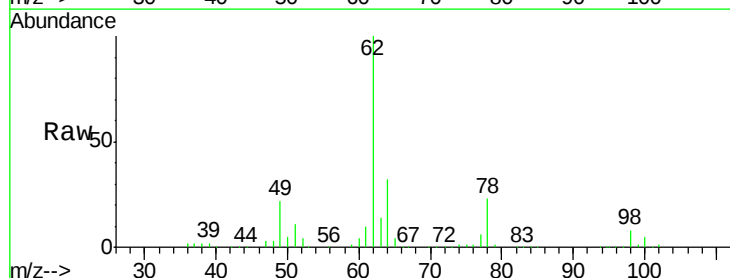
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

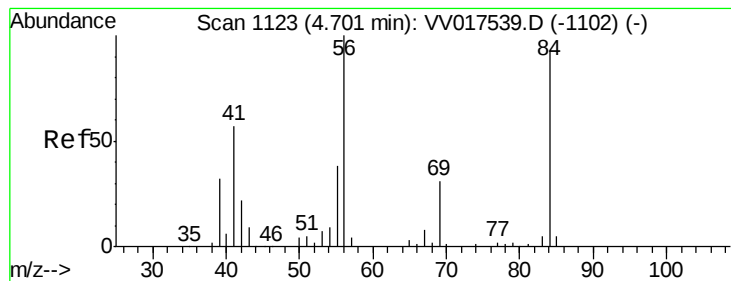
Tgt Ion: 83 Resp: 188468
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 48.250 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

Tgt Ion: 62 Resp: 161628
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 46.118 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

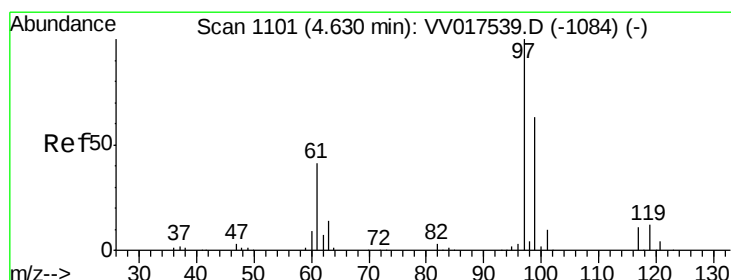
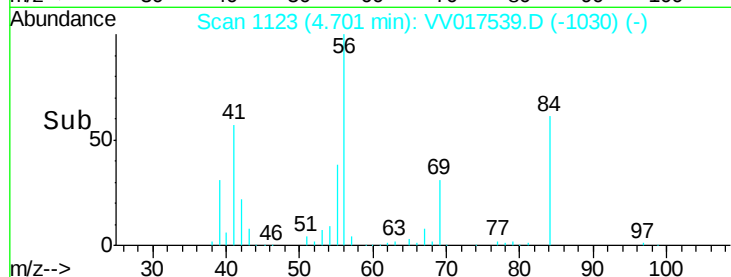
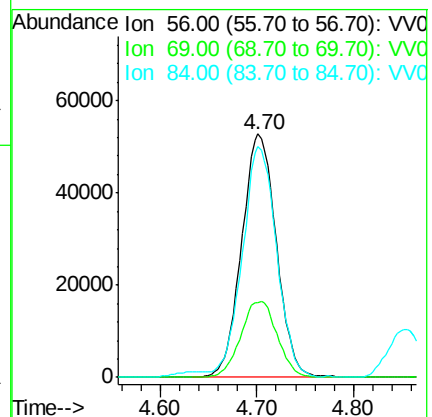
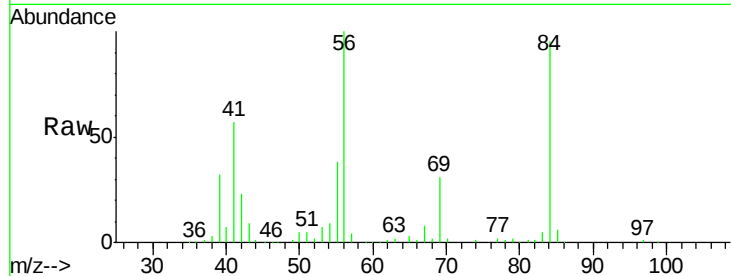
Tgt Ion: 56 Resp: 131476

Ion Ratio Lower Upper

56 100

69 0.0 0.0 0.0

84 93.9 75.1 112.7



#30

1,1,1-Trichloroethane

Concen: 48.475 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

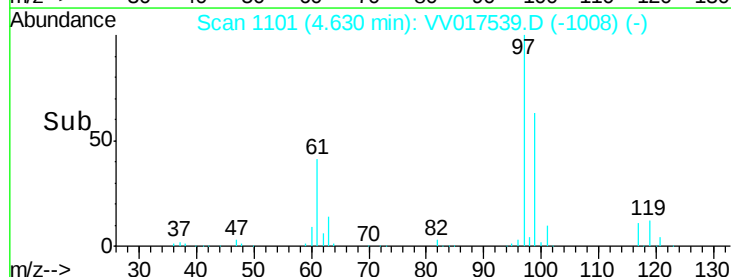
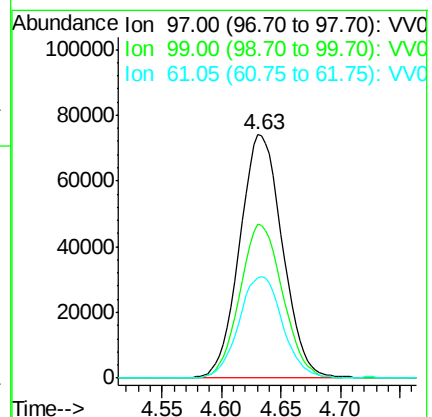
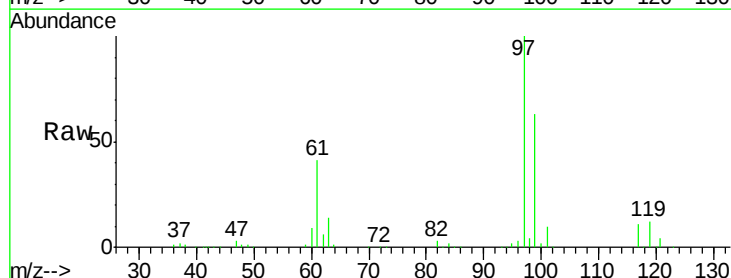
Tgt Ion: 97 Resp: 184602

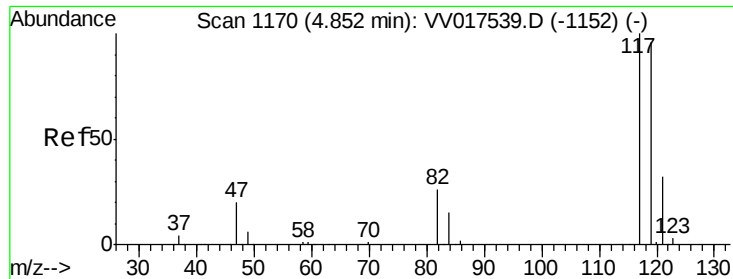
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 42.6 34.1 51.1





#31

Carbon tetrachloride

Concen: 47.847 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

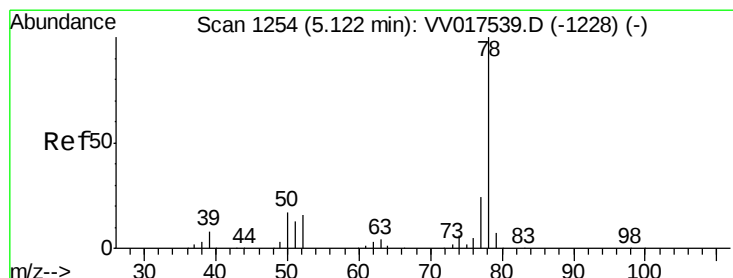
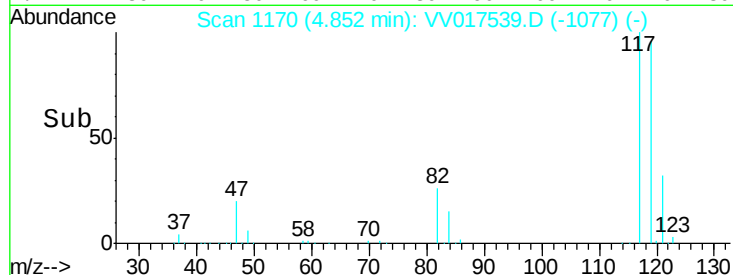
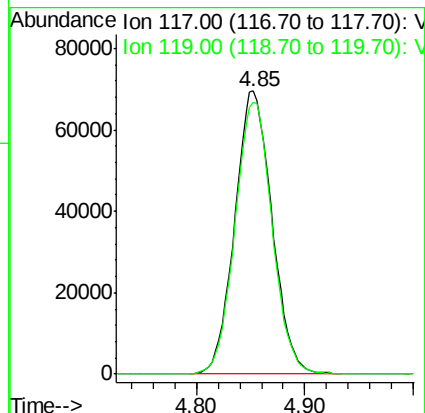
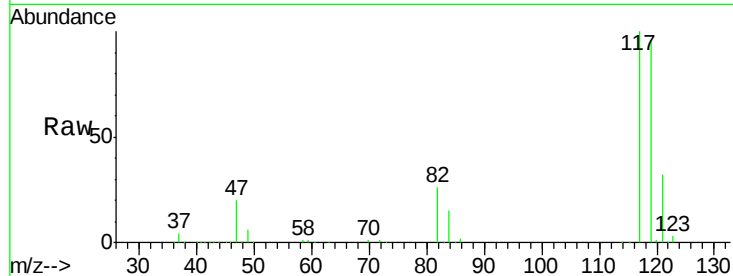
VSTD05061

Tgt Ion:117 Resp: 166326

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



#33

Benzene

Concen: 48.103 ug/L

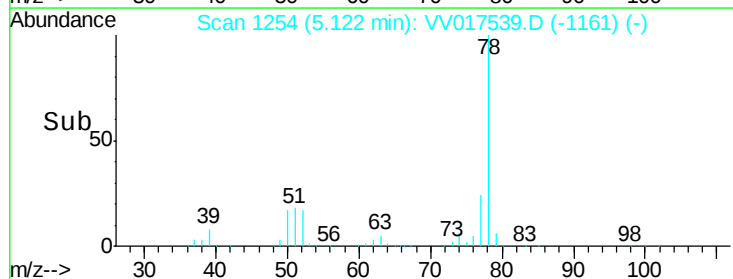
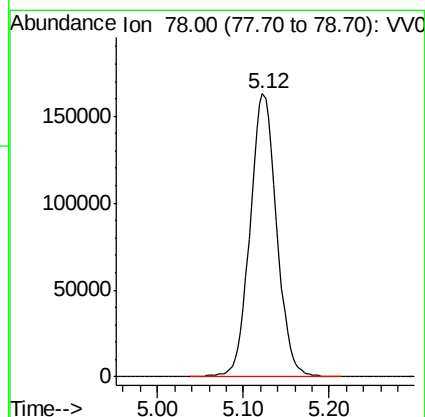
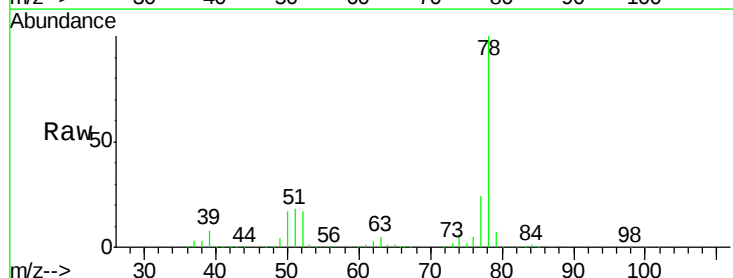
RT: 5.12 min Scan# 1254

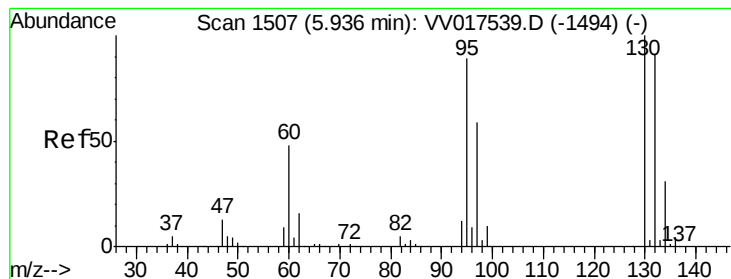
Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Tgt Ion: 78 Resp: 351015





#34

Trichloroethene

Concen: 44.669 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 95 Resp: 96009

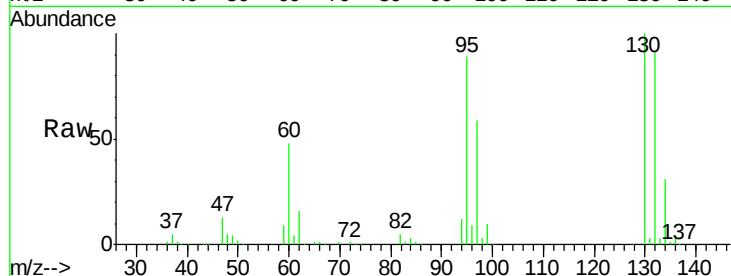
Ion Ratio Lower Upper

95 100

97 65.8 46.1 85.5

132 101.8 71.3 132.3

130 111.8 78.3 145.3

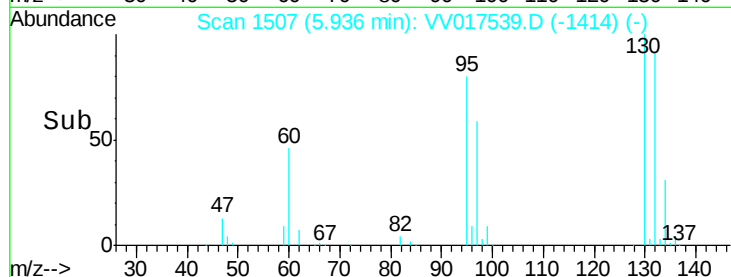


Abundance Ion 95.00 (94.70 to 95.70): VV0

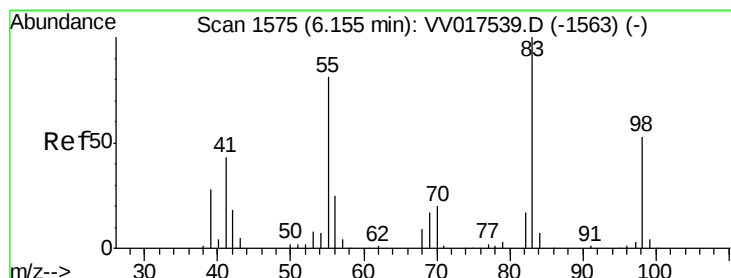
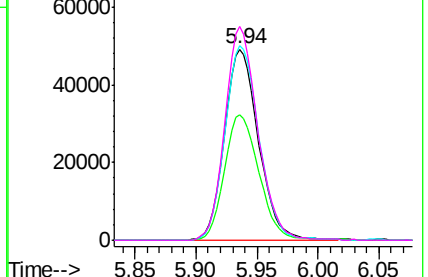
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Time-->



#35

Methylcyclohexane

Concen: 46.394 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

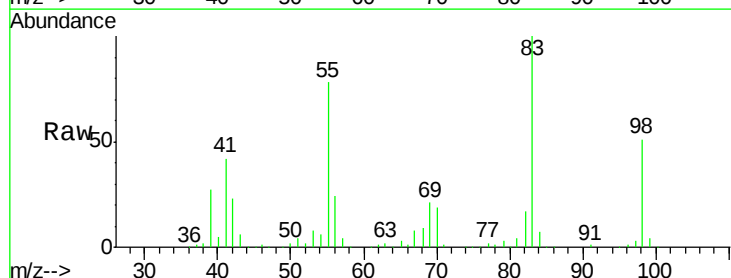
Tgt Ion: 83 Resp: 145750

Ion Ratio Lower Upper

83 100

55 75.9 60.7 91.1

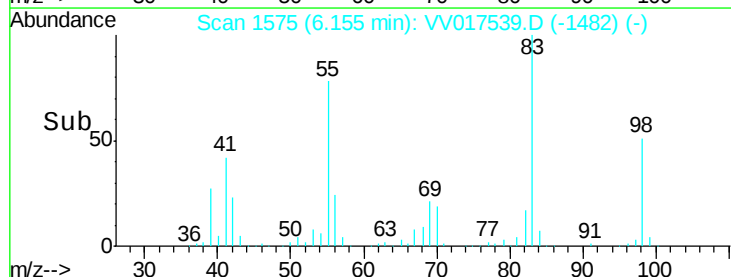
98 51.0 40.8 61.2



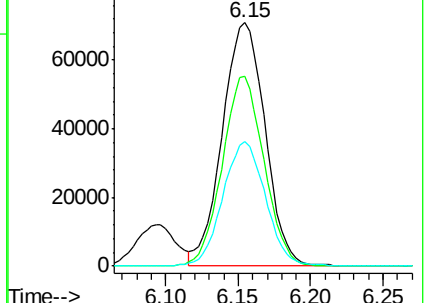
Abundance Ion 83.00 (82.70 to 83.70): VV0

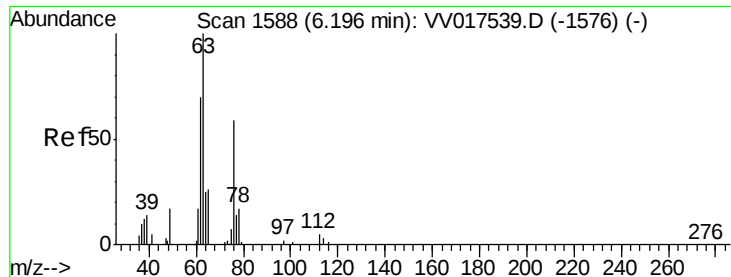
Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



Time-->





#37

1,2-Dichloropropane

Concen: 48.517 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

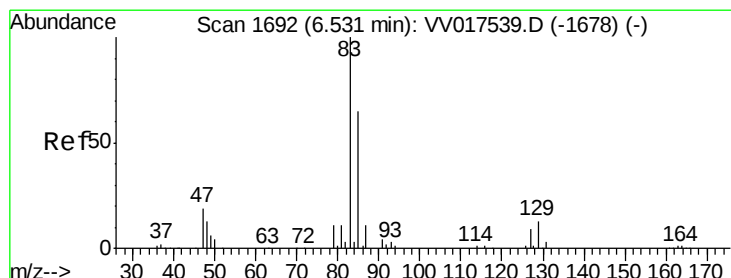
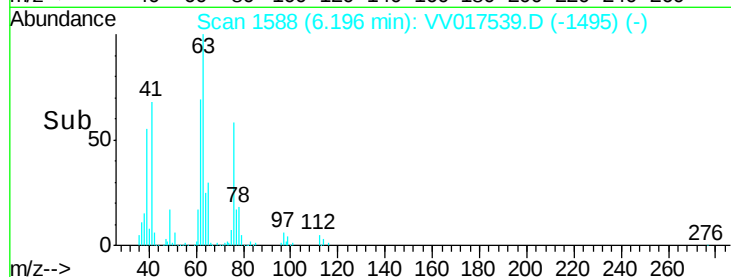
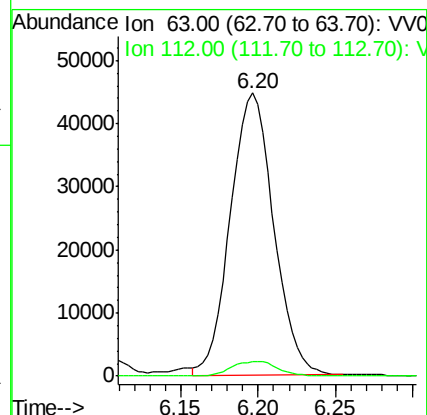
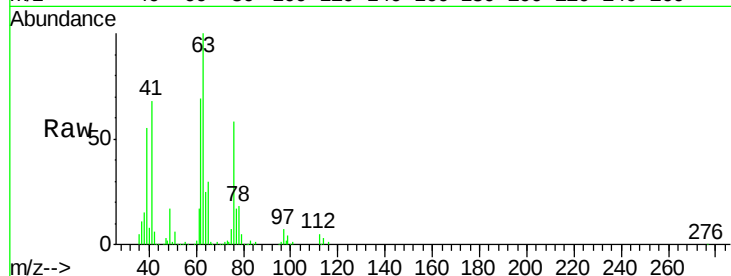
VSTD05061

Tgt Ion: 63 Resp: 86845

Ion Ratio Lower Upper

63 100

112 5.6 4.5 6.7



#38

Bromodichloromethane

Concen: 49.689 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

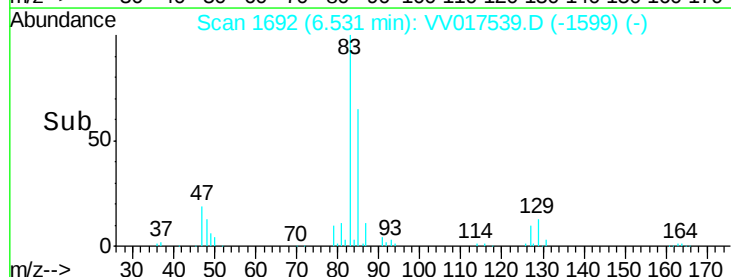
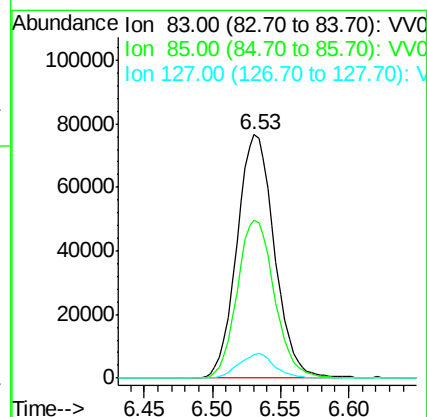
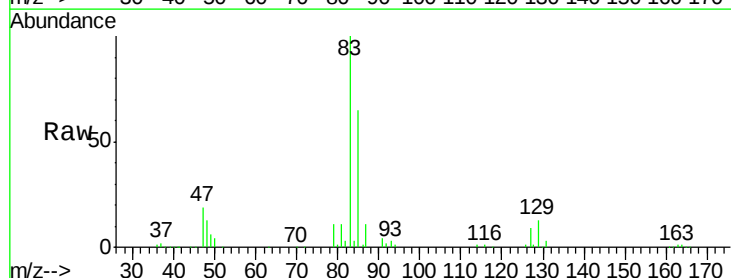
Tgt Ion: 83 Resp: 146094

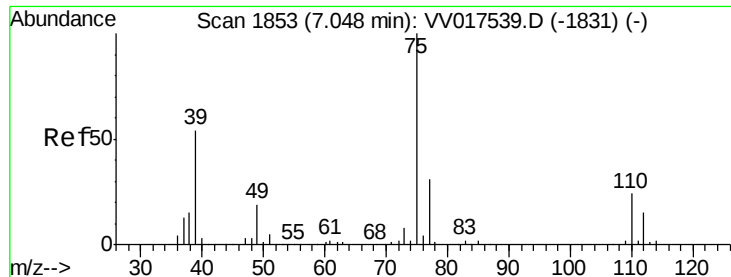
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

127 9.5 7.6 11.4

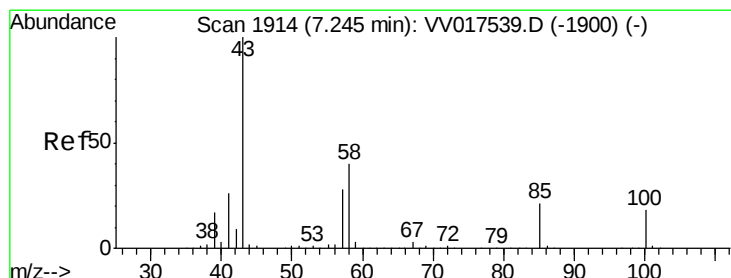
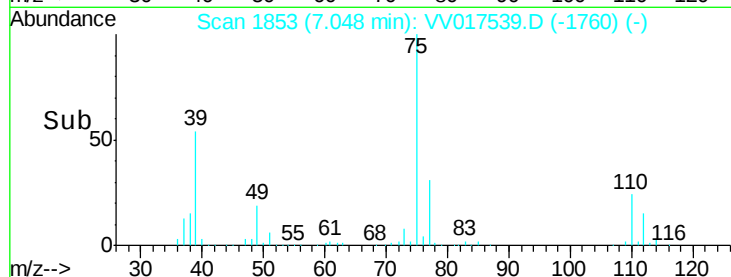
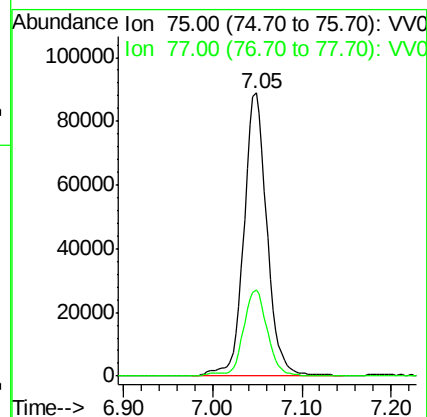
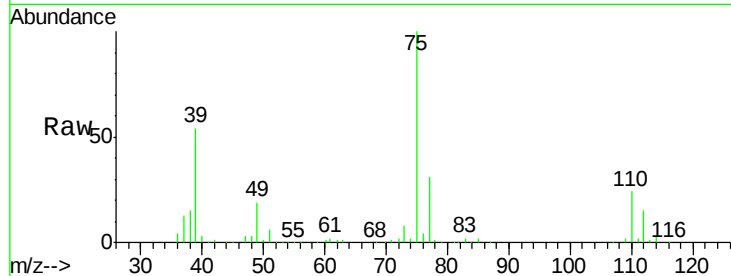




#39
 cis-1,3-Dichloropropene
 Concen: 51.942 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

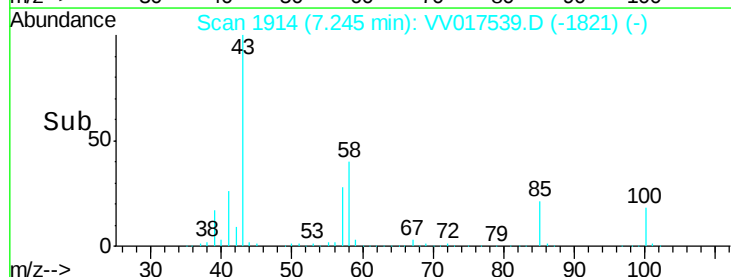
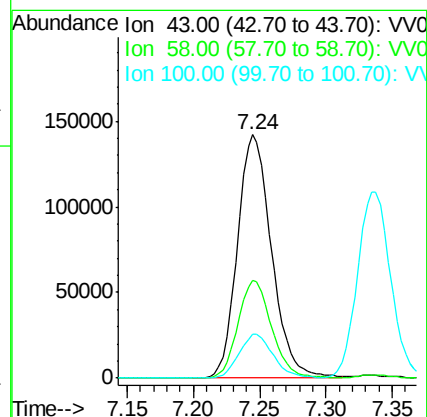
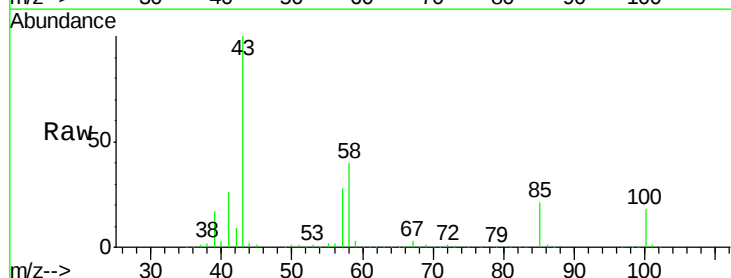
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

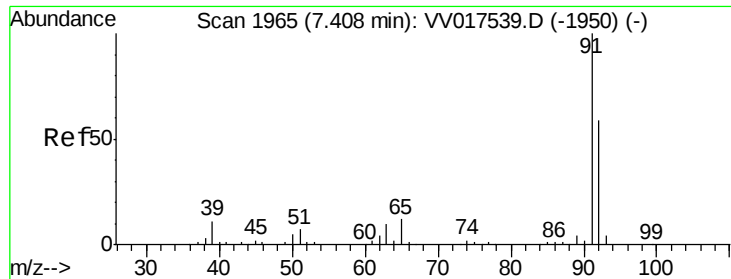
Tgt Ion: 75 Resp: 160029
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 101.590 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

Tgt Ion: 43 Resp: 253558
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6
 100 18.2 14.6 21.8





#42

Toluene

Concen: 48.108 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

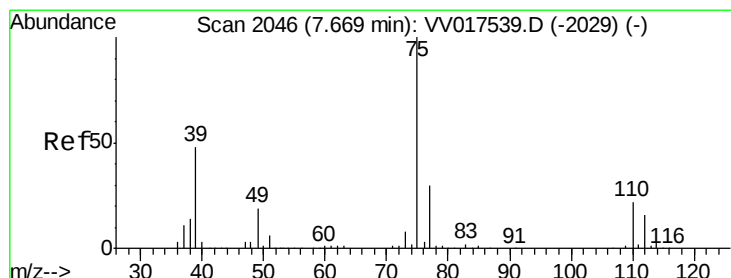
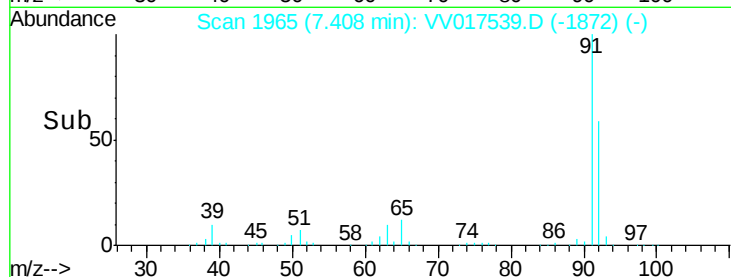
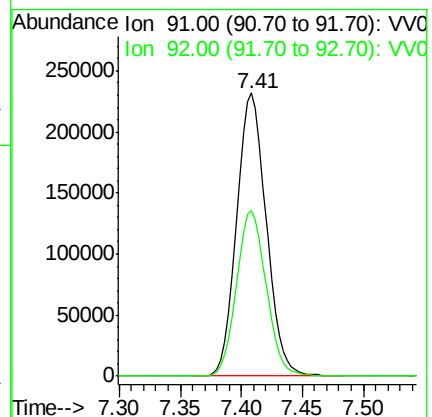
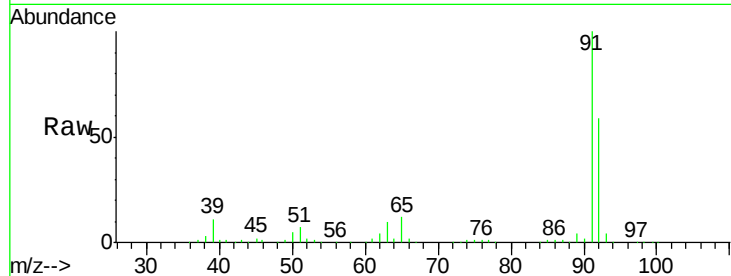
VSTD05061

Tgt Ion: 91 Resp: 391701

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 52.067 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017539.D

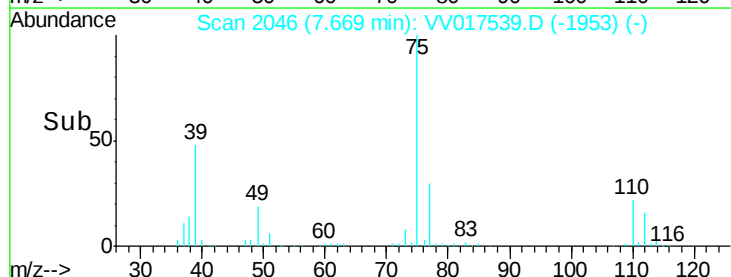
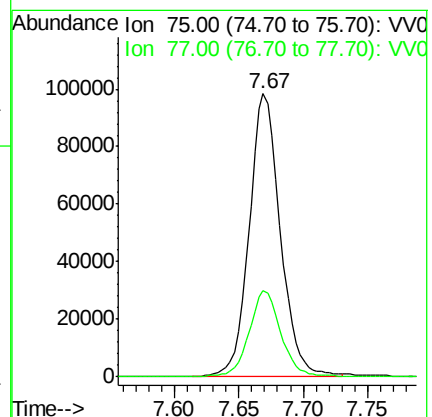
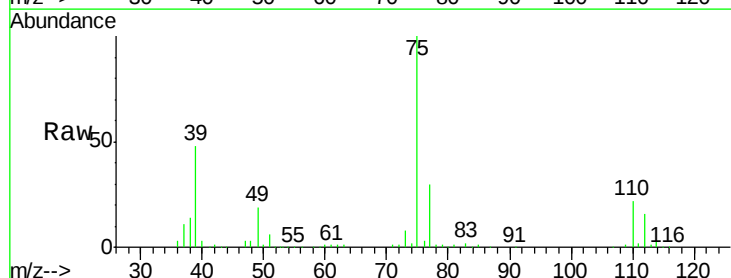
Acq: 20 Jul 2020 12:36

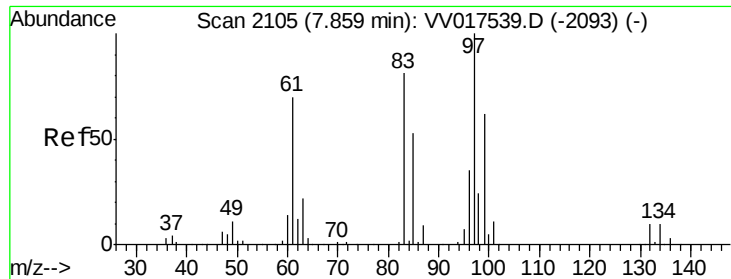
Tgt Ion: 75 Resp: 165941

Ion Ratio Lower Upper

75 100

77 30.3 21.2 39.4

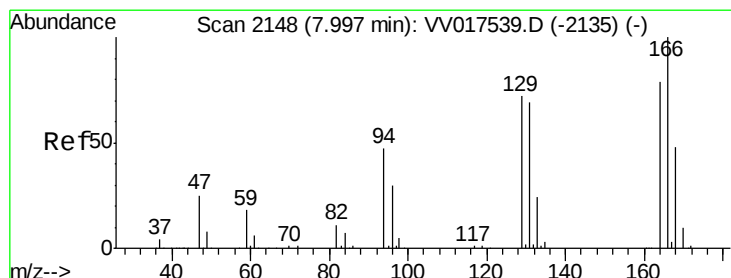
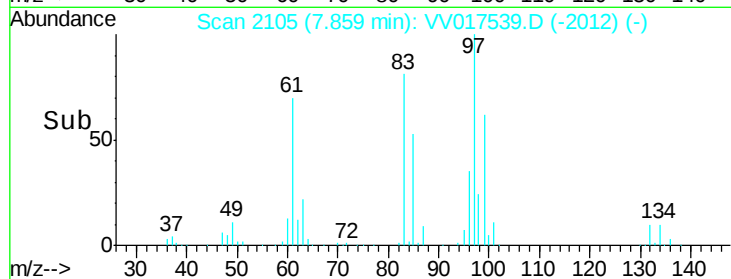
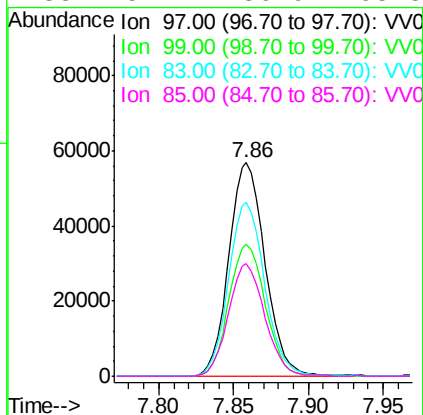
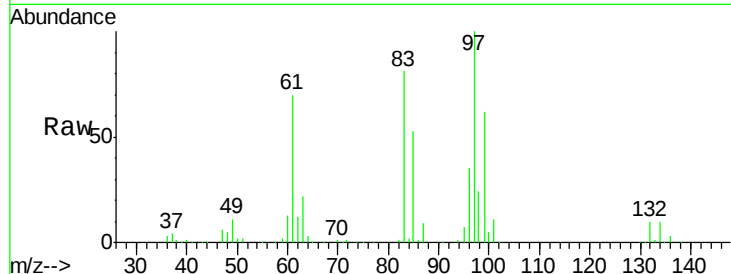




#45
 1,1,2-Trichloroethane
 Concen: 48.998 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

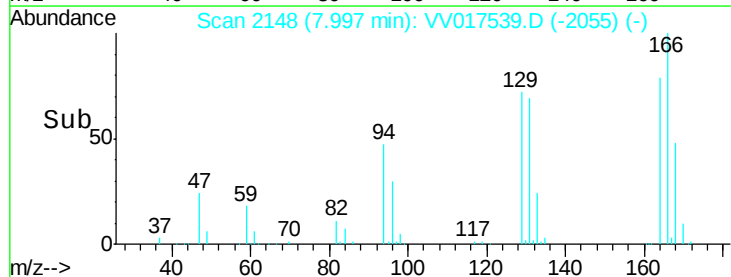
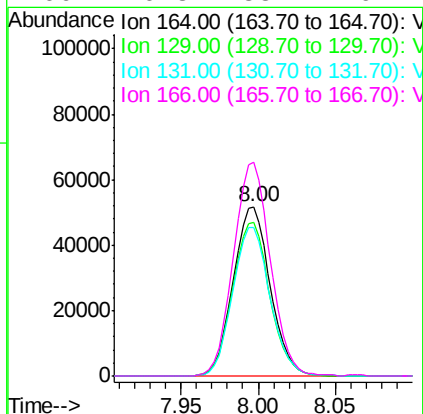
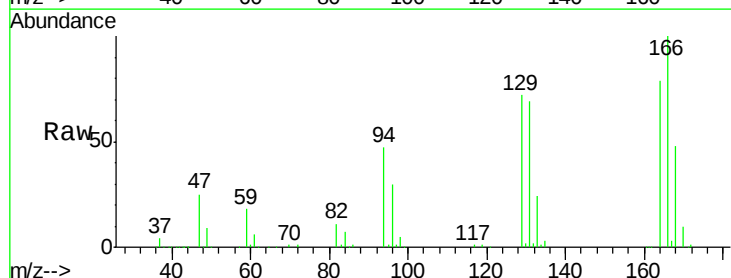
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

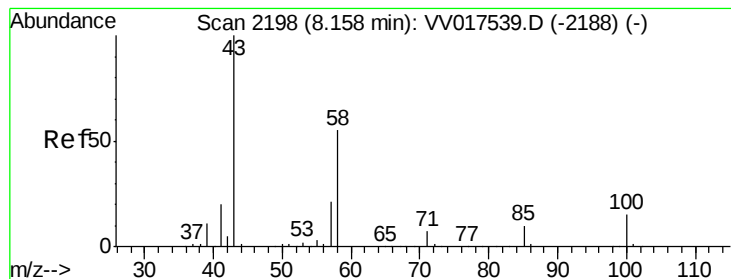
Tgt Ion:	97	Resp:	96078
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.4	80.6
83	81.3	56.9	105.7
85	52.7	36.9	68.5



#46
 Tetrachloroethene
 Concen: 47.028 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

Tgt Ion:	164	Resp:	85793
Ion	Ratio	Lower	Upper
164	100		
129	90.9	63.6	118.2
131	87.6	61.3	113.9
166	126.3	88.4	164.2





#48

2-Hexanone

Concen: 103.005 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion: 43 Resp: 208038

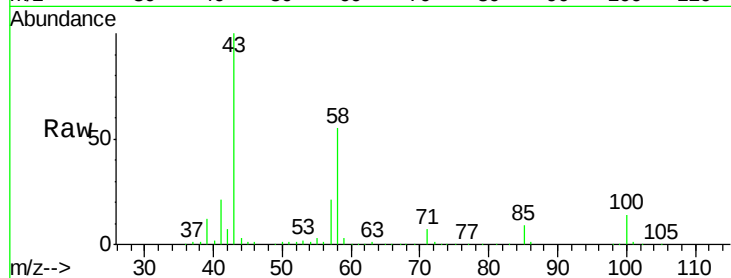
Ion Ratio Lower Upper

43 100

58 54.1 43.3 64.9

57 21.5 17.2 25.8

100 14.6 11.7 17.5

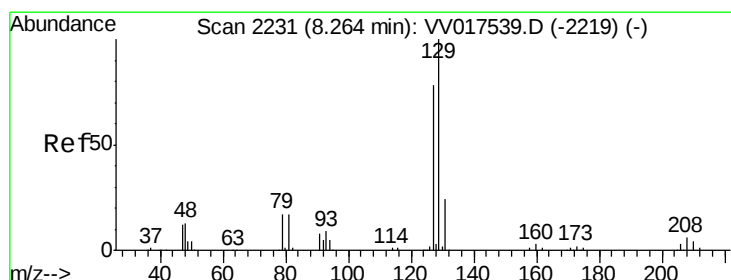
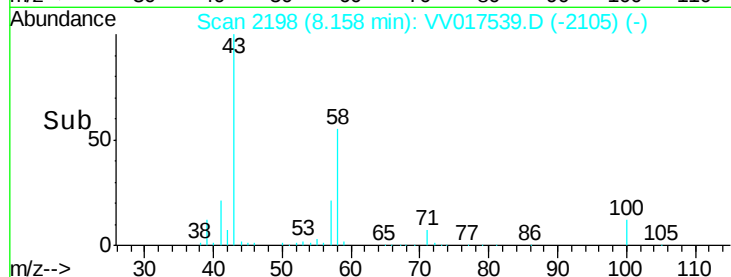
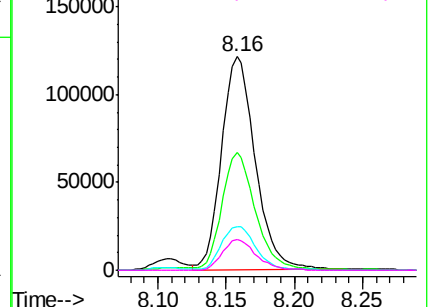


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 51.502 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. 0.00 min

Lab File: VV017539.D

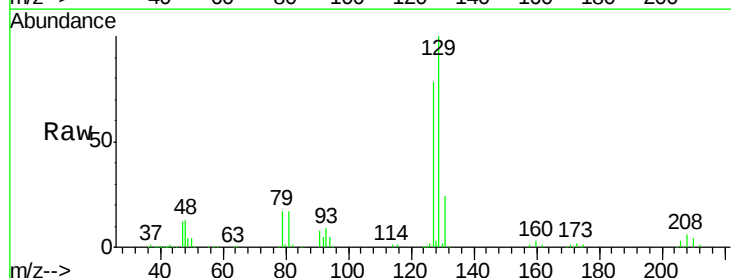
Acq: 20 Jul 2020 12:36

Tgt Ion: 129 Resp: 126777

Ion Ratio Lower Upper

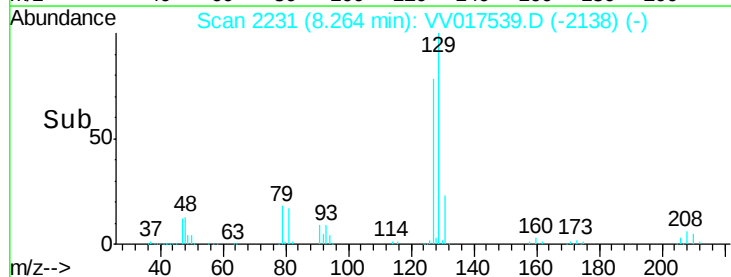
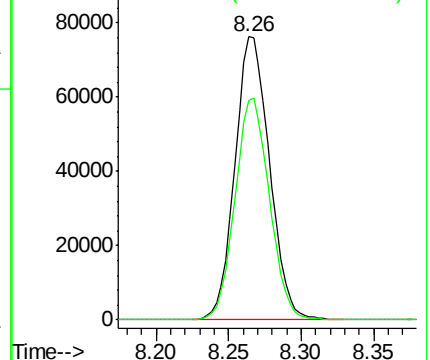
129 100

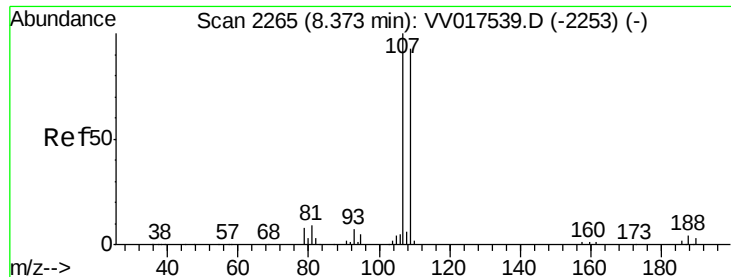
127 77.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

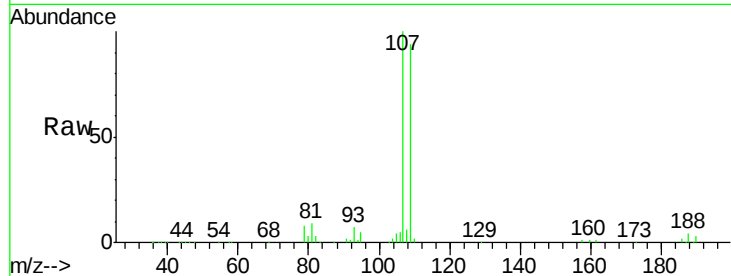




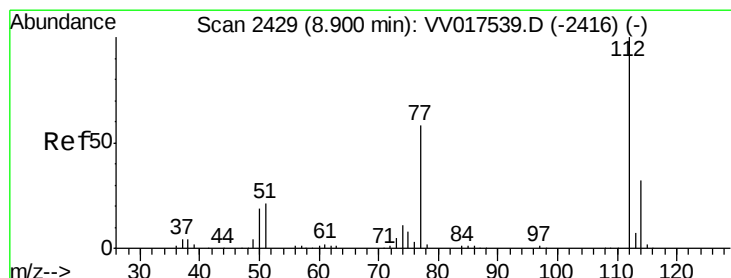
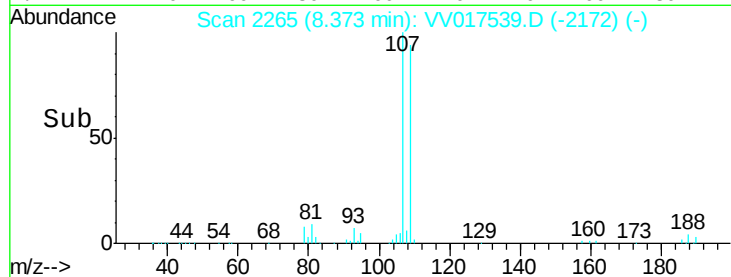
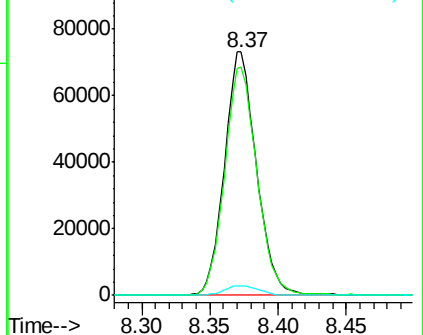
#50
1,2-Dibromoethane
Concen: 55.195 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.5	121.7
188	4.1	3.3	4.9

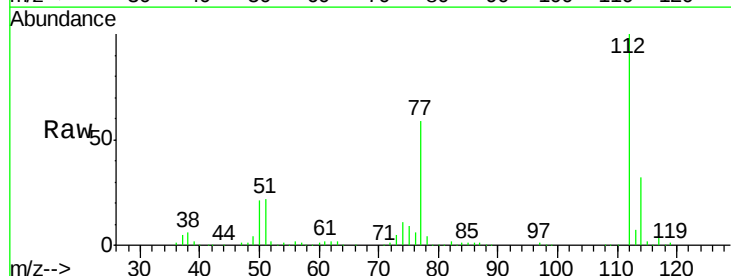


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

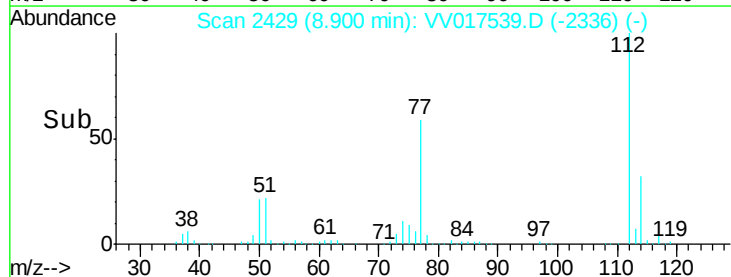
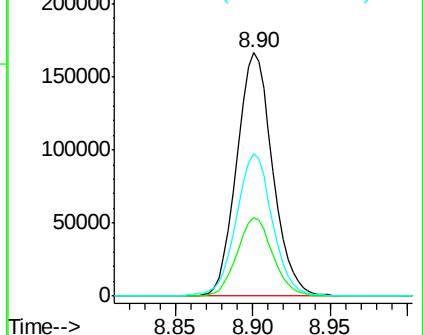


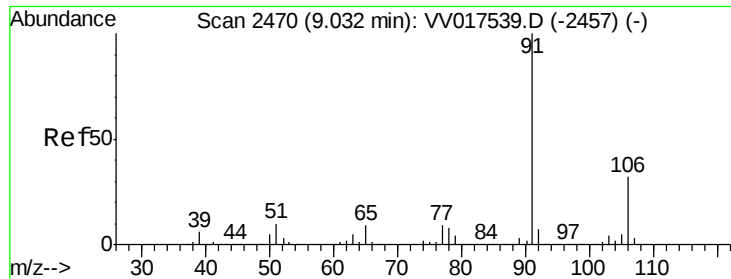
#51
Chlorobenzene
Concen: 48.252 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017539.D
Acq: 20 Jul 2020 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	58.6	46.9	70.3



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: 48.718 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

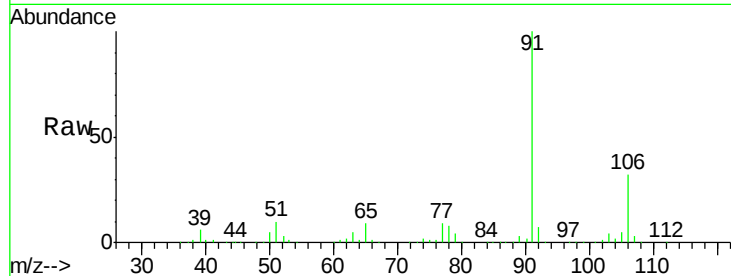
VSTD05061

Tgt Ion: 91 Resp: 455611

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV017539.D (-2457) (-)

9.03

300000

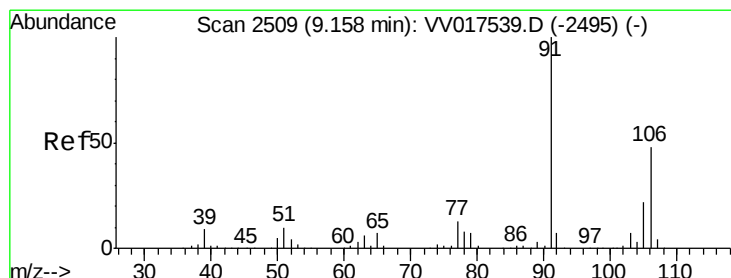
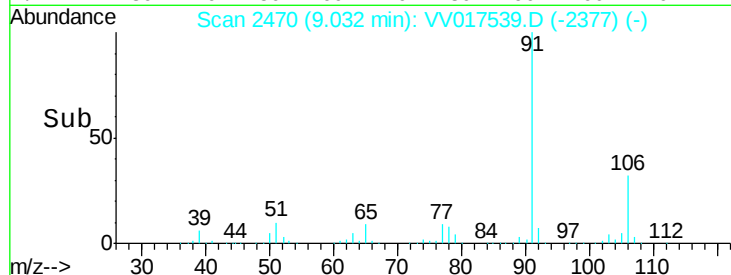
200000

100000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 49.458 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017539.D

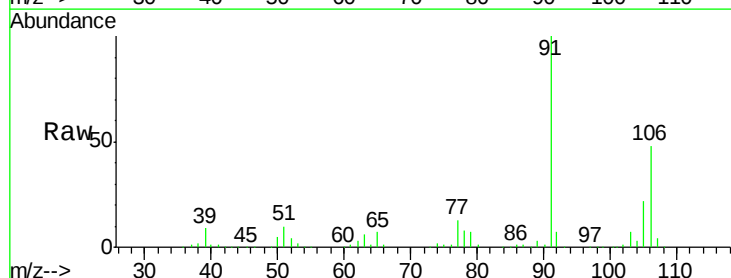
Acq: 20 Jul 2020 12:36

Tgt Ion: 106 Resp: 172849

Ion Ratio Lower Upper

106 100

91 208.8 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017539.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV017539.D (-2495) (-)

9.16

250000

200000

150000

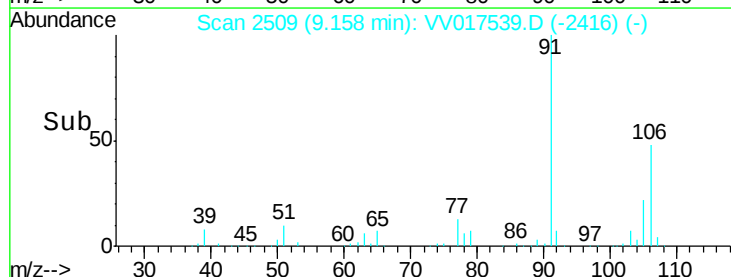
100000

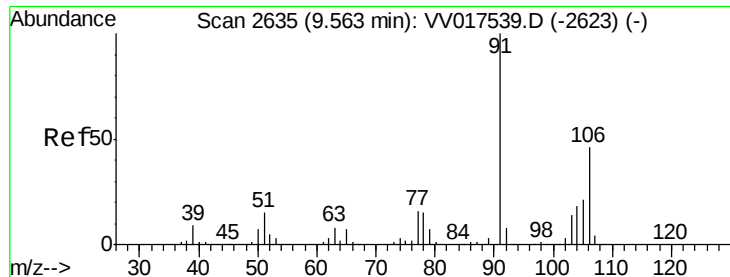
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 51.153 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

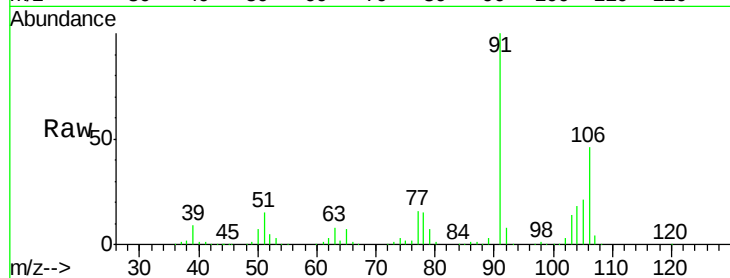
VSTD05061

Tgt Ion:106 Resp: 173088

Ion Ratio Lower Upper

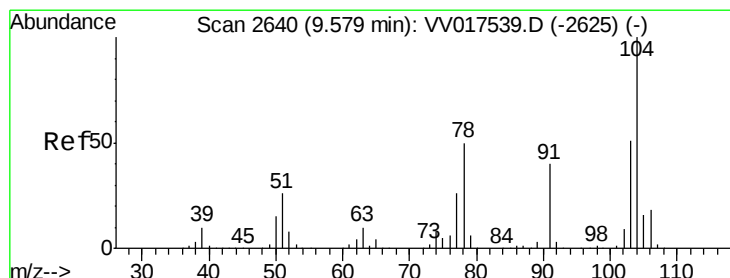
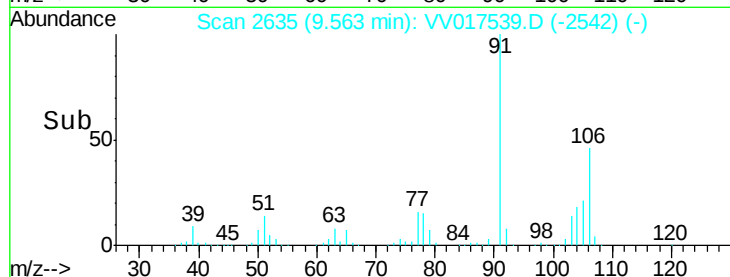
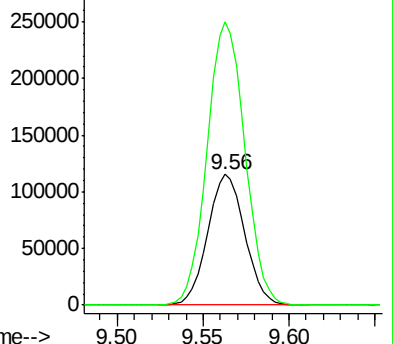
106 100

91 216.6 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.538 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017539.D

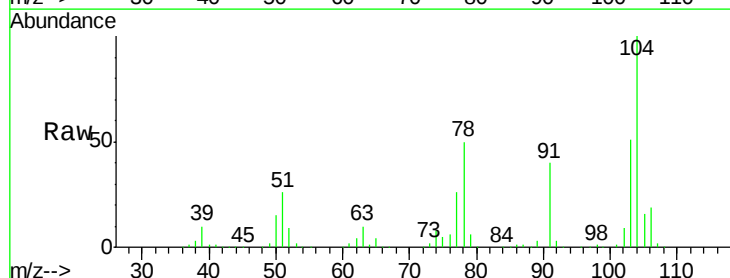
Acq: 20 Jul 2020 12:36

Tgt Ion:104 Resp: 303268

Ion Ratio Lower Upper

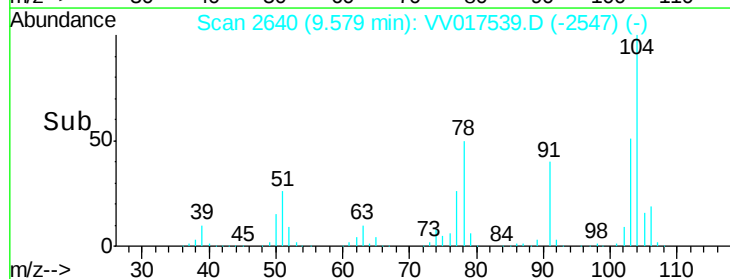
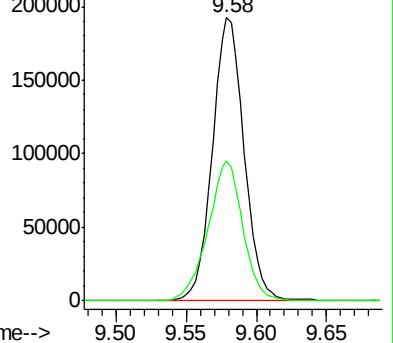
104 100

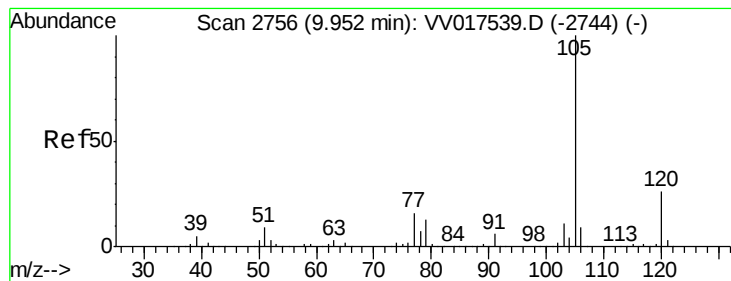
78 49.6 34.7 64.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.585 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

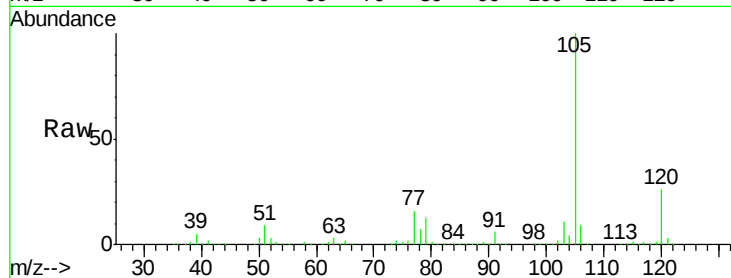
Tgt Ion: 105 Resp: 475748

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

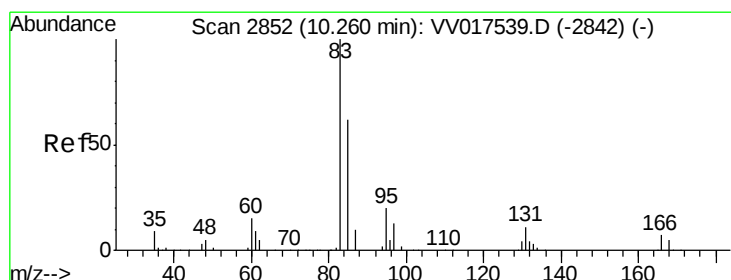
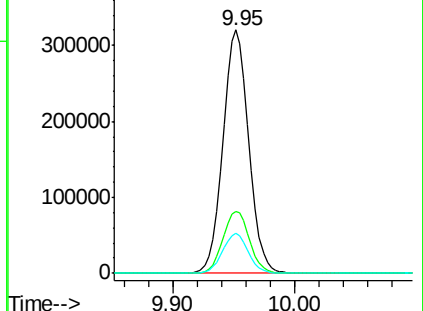
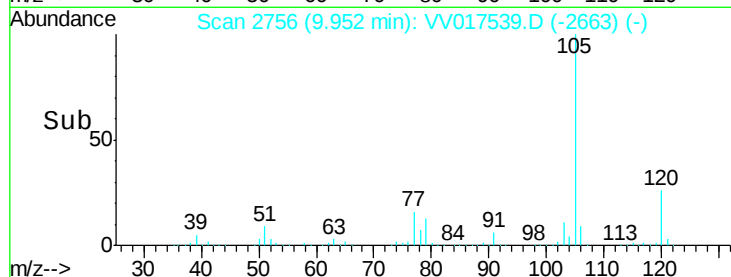
77 16.6 13.3 19.9



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: 51.725 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

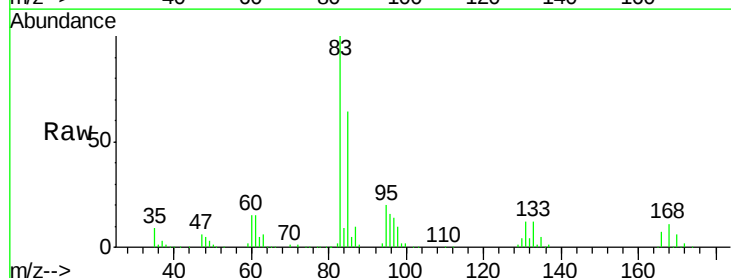
Tgt Ion: 83 Resp: 150265

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

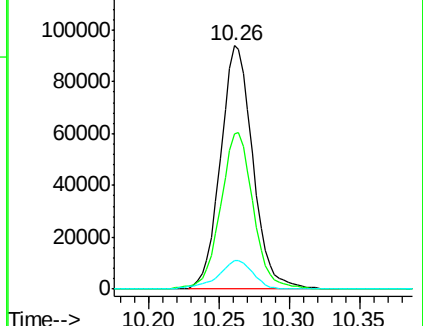
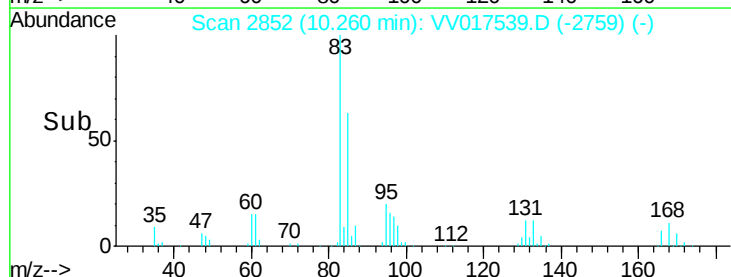
131 11.7 9.4 14.0

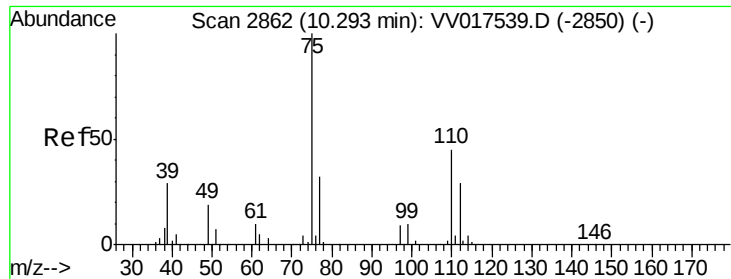


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.793 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

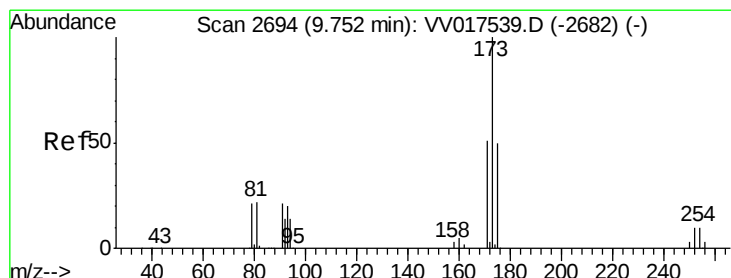
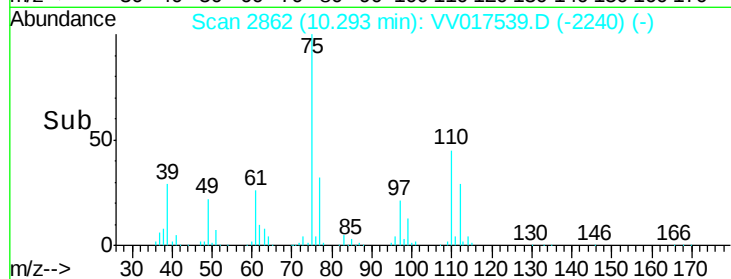
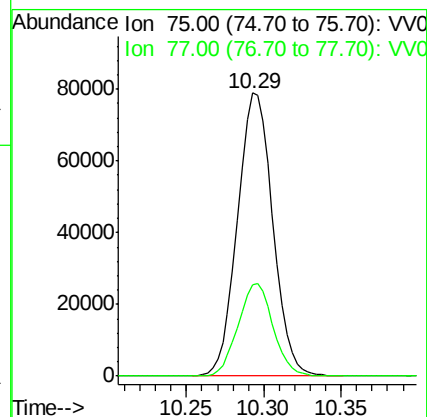
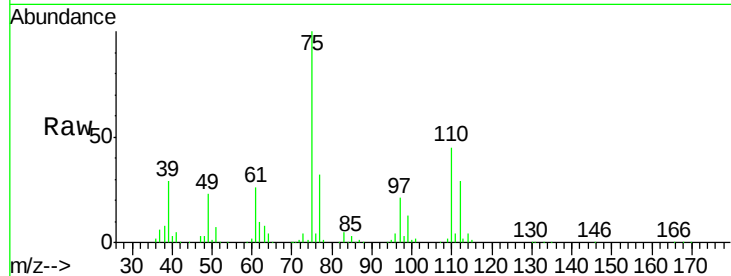
VSTD05061

Tgt Ion: 75 Resp: 125085

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 52.042 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

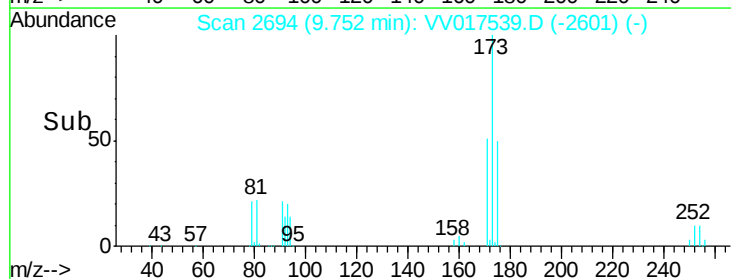
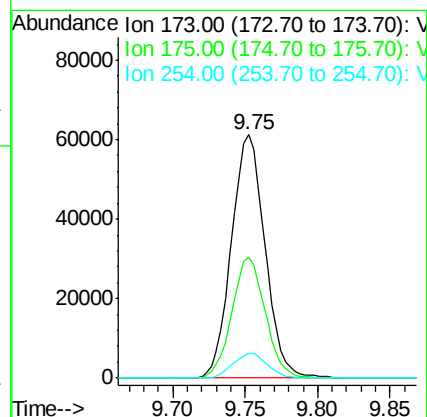
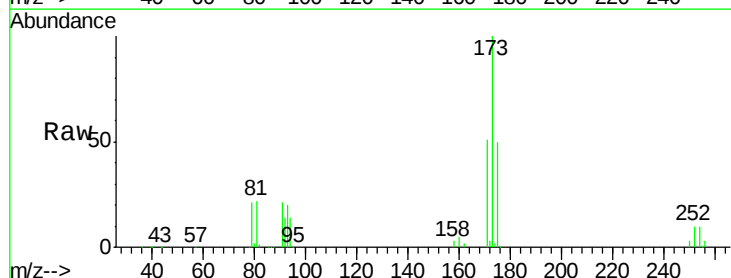
Tgt Ion: 173 Resp: 98390

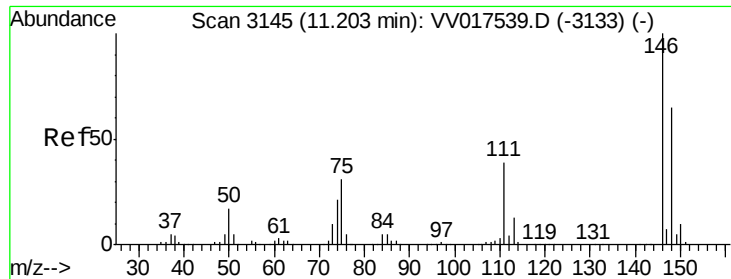
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 10.3 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 48.861 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

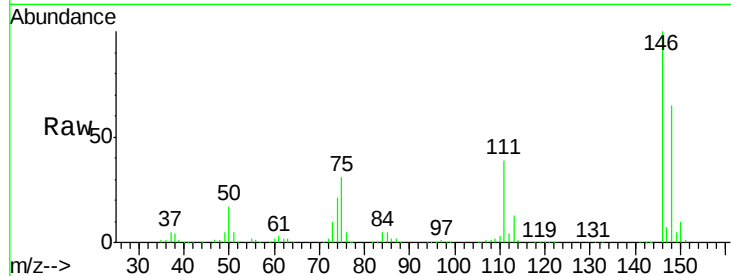
Tgt Ion:146 Resp: 236023

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

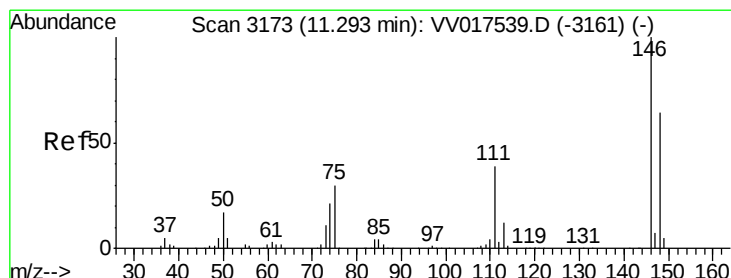
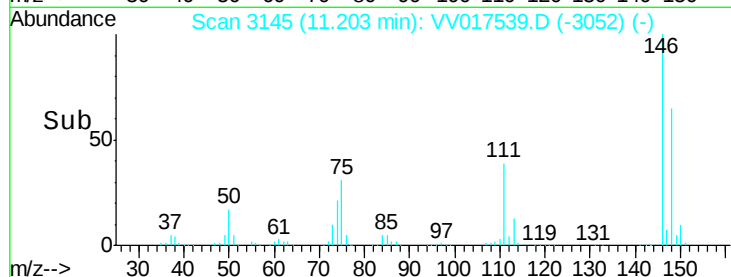
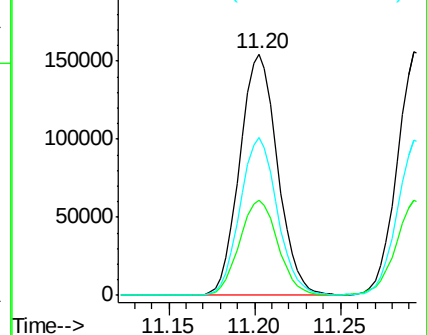
148 65.4 45.8 85.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.597 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

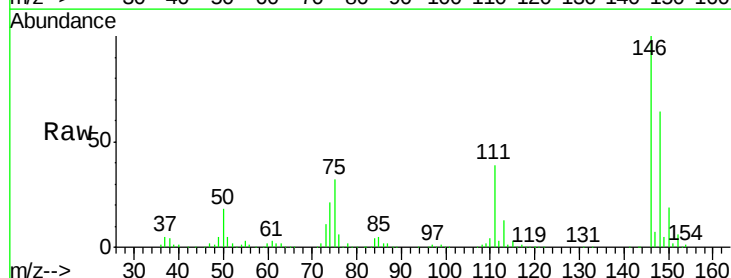
Tgt Ion:146 Resp: 239412

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

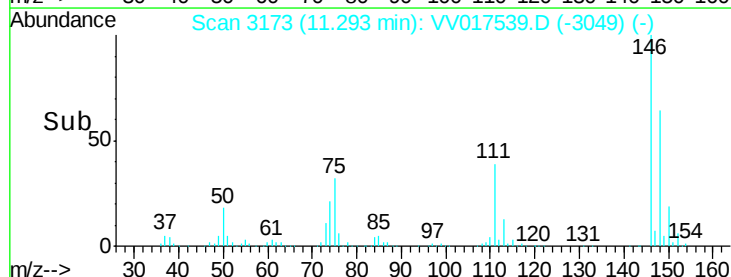
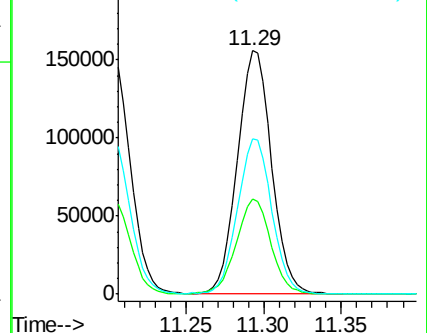
148 63.8 44.7 82.9

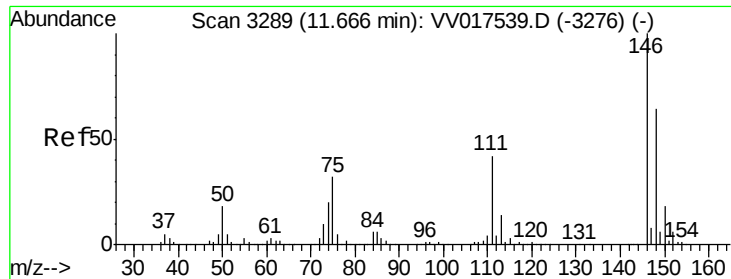


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

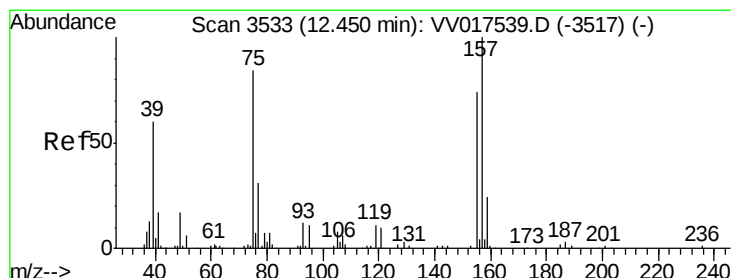
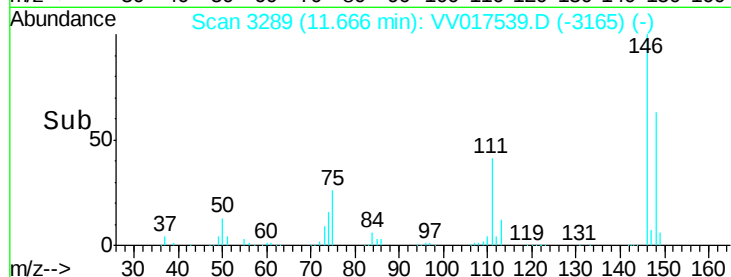
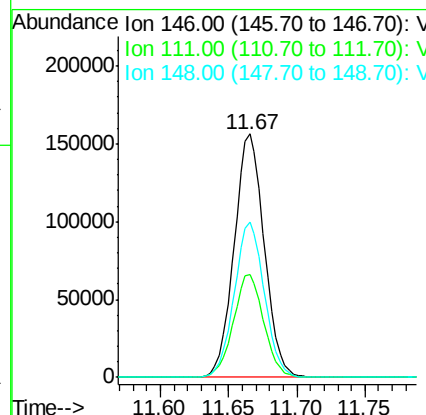
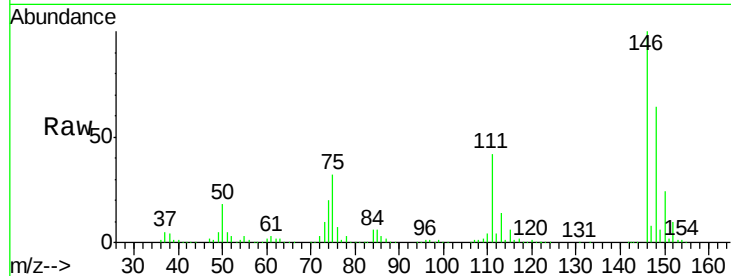




#65
 1,2-Dichlorobenzene
 Concen: 49.475 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

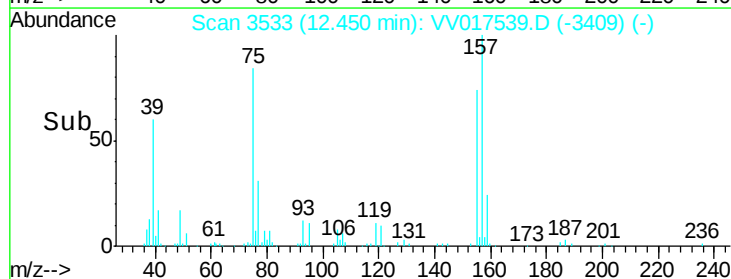
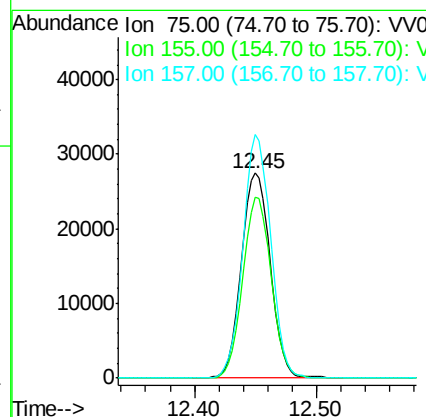
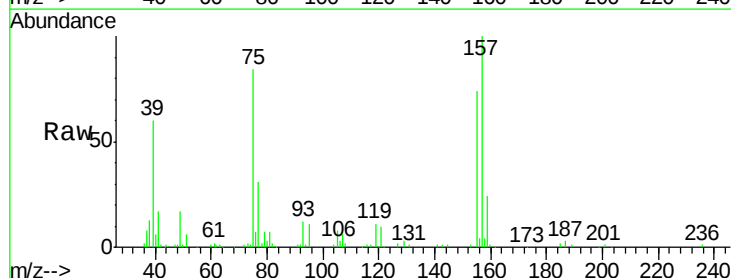
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

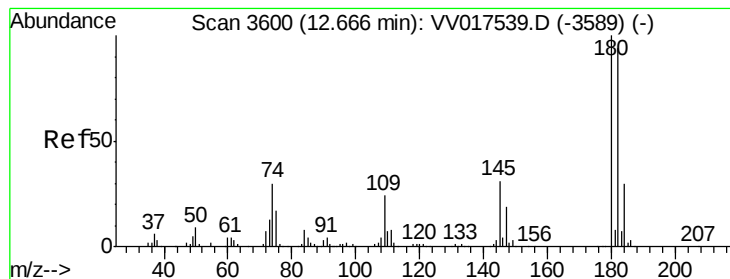
Tgt Ion: 146 Resp: 239514
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.8 50.8
 148 63.6 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.805 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017539.D
 Acq: 20 Jul 2020 12:36

Tgt Ion: 75 Resp: 44904
 Ion Ratio Lower Upper
 75 100
 155 88.2 70.6 105.8
 157 119.0 95.2 142.8





#67

1,3,5-Trichlorobenzene

Concen: 51.627 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

Tgt Ion:180 Resp: 189970

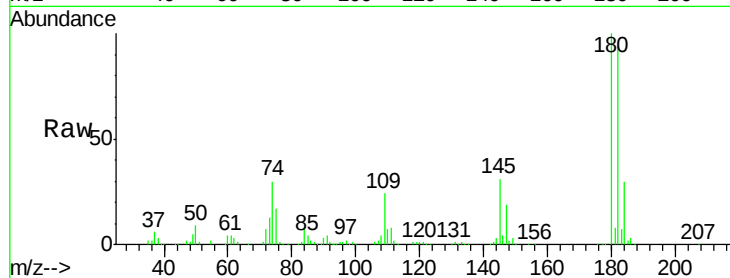
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.5 24.4 36.6

145 30.3 24.2 36.4

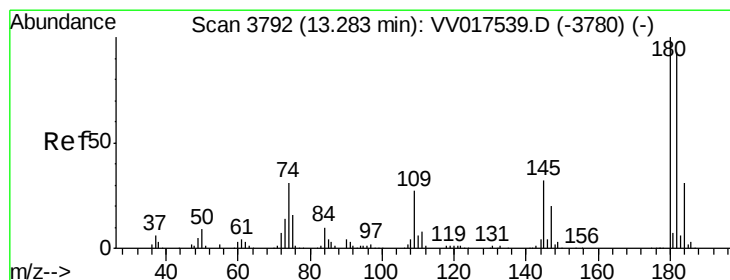
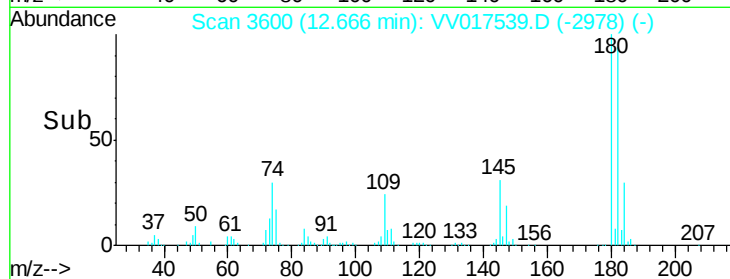
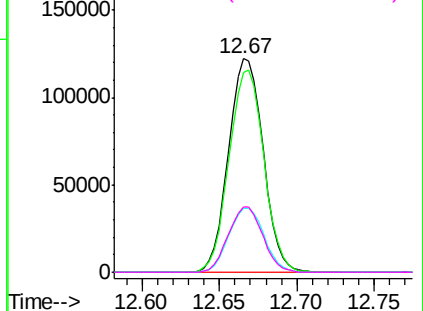


Abundance Ion 180.00 (179.70 to 180.70): V

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: 53.283 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

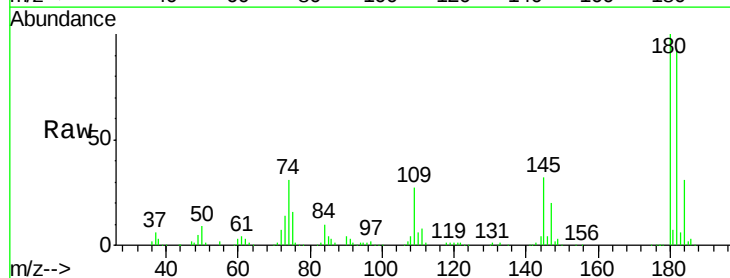
Tgt Ion:180 Resp: 172627

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

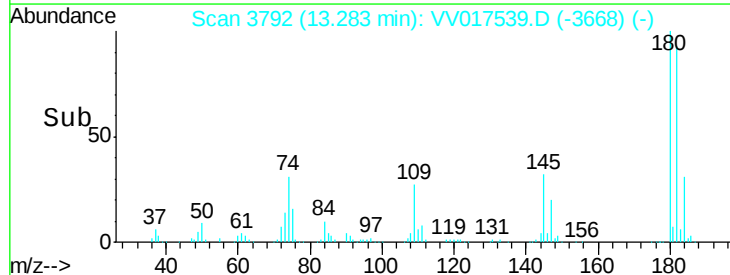
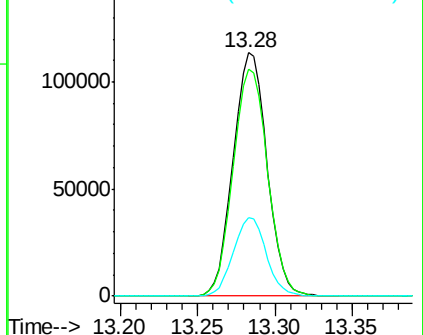
145 31.1 24.9 37.3

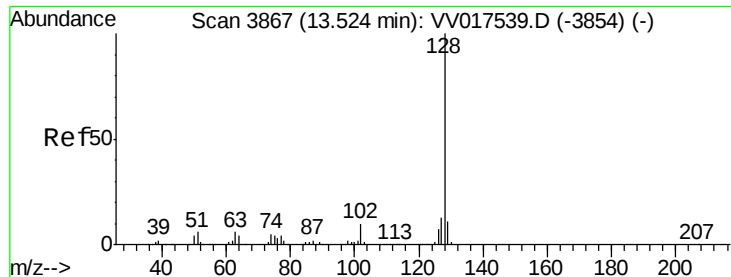


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.739 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

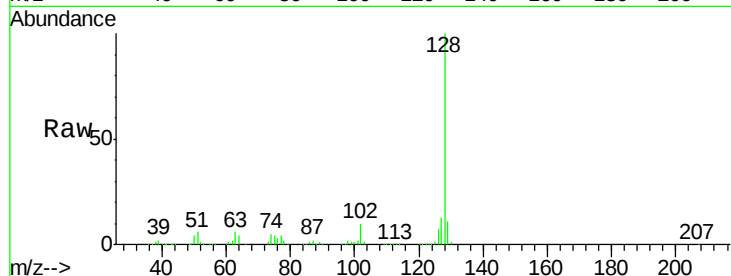
Tgt Ion:128 Resp: 502693

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

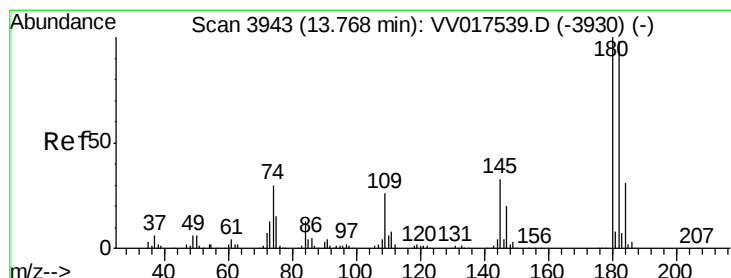
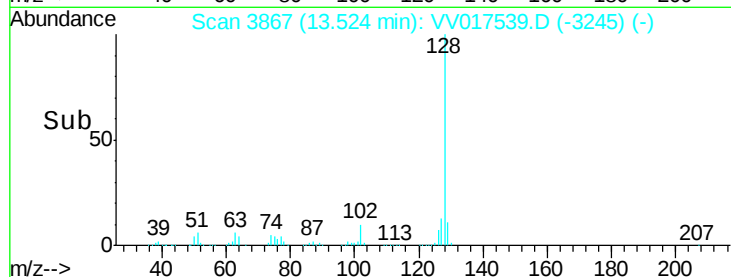
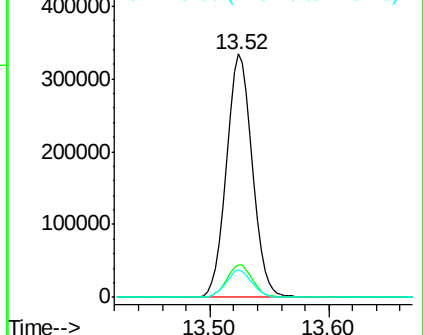
129 11.3 9.0 13.6



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: 53.348 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017539.D

Acq: 20 Jul 2020 12:36

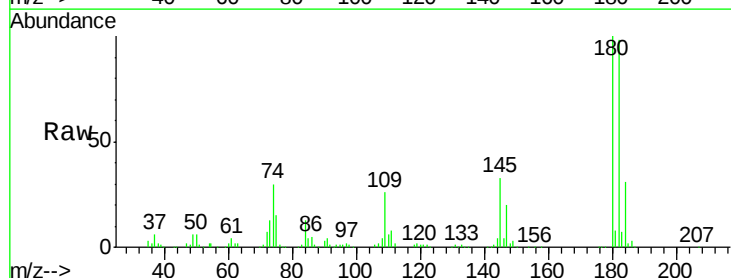
Tgt Ion:180 Resp: 174768

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 33.1 26.5 39.7



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

