

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062220\
 Data File : VV017012.D
 Acq On : 22 Jun 2020 10:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Jun 23 03:02:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 22 18:51:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	354983	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	332989	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175916	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113806	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.58	69	77347	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.92%
11) 1,1-Dichloroethene-d2	2.12	63	219881	52.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.56%
21) 2-Butanone-d5	3.91	46	175960	94.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.91%
24) Chloroform-d	4.37	84	257865	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
26) 1,2-Dichloroethane-d4	5.05	65	176879	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.07	84	482728	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
36) 1,2-Dichloropropane-d6	6.09	67	146622	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.00%
41) Toluene-d8	7.33	98	453099	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	7.64	79	80227	51.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.96%
47) 2-Hexanone-d5	8.11	63	117889	90.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	191059	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	188974	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	138994	49.387	ug/L	100
3) Chloromethane	1.25	50	120124	46.673	ug/L	98
5) Vinyl chloride	1.32	62	122662	48.465	ug/L	99
6) Bromomethane	1.53	94	66734	63.308	ug/L	100
8) Chloroethane	1.60	64	60933	48.738	ug/L	98
9) Trichlorofluoromethane	1.76	101	200687	52.987	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107474	56.945	ug/L	99
12) 1,1-Dichloroethene	2.13	96	94979	53.908	ug/L	96
13) Acetone	2.19	43	163597	133.931	ug/L	98
14) Carbon disulfide	2.31	76	297576	46.649	ug/L	99
15) Methyl Acetate	2.44	43	134758	49.497	ug/L	99
16) Methylene chloride	2.52	84	131075	50.699	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	119783	49.863	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	429708	53.985	ug/L	99
19) 1,1-Dichloroethane	3.21	63	236464	52.294	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	137289	52.422	ug/L	98
22) 2-Butanone	3.99	43	202084	107.283	ug/L	100

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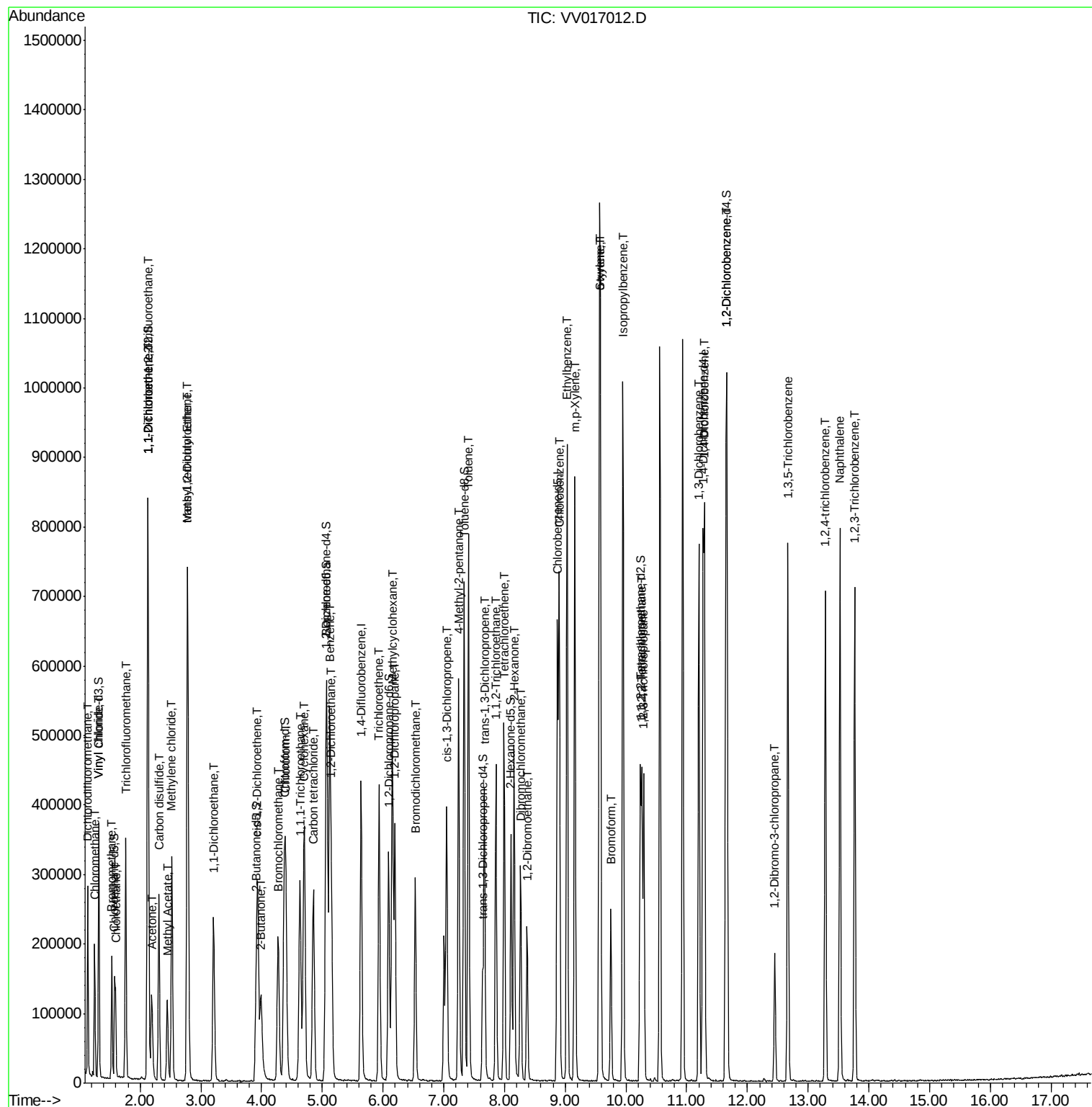
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	72941	52.872	ug/L	98
25) Chloroform	4.40	83	251153	54.045	ug/L	100
27) 1,2-Dichloroethane	5.15	62	206472	53.002	ug/L	98
29) Cyclohexane	4.70	56	198022	47.855	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	234262	55.165	ug/L	99
31) Carbon tetrachloride	4.85	117	208672	56.802	ug/L	99
33) Benzene	5.12	78	504865	51.244	ug/L	100
34) Trichloroethene	5.94	95	140172	53.049	ug/L	98
35) Methylcyclohexane	6.15	83	209756	50.602	ug/L	98
37) 1,2-Dichloropropane	6.20	63	132210	51.601	ug/L	99
38) Bromodichloromethane	6.53	83	187903	55.092	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	221516	55.659	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	373091	102.763	ug/L	98
42) Toluene	7.41	91	546079	52.578	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	219512	56.733	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	130921	52.964	ug/L	99
46) Tetrachloroethene	8.00	164	112221	54.001	ug/L	98
48) 2-Hexanone	8.16	43	288257	102.399	ug/L	99
49) Dibromochloromethane	8.27	129	153744	58.171	ug/L	96
50) 1,2-Dibromoethane	8.37	107	140511	54.282	ug/L	99
51) Chlorobenzene	8.90	112	357072	52.696	ug/L	99
52) Ethylbenzene	9.03	91	614395	53.407	ug/L	98
53) m,p-Xylene	9.16	106	232940	54.384	ug/L	99
54) o-xylene	9.56	106	229286	54.277	ug/L	100
55) Styrene	9.58	104	395752	55.411	ug/L	98
56) Isopropylbenzene	9.95	105	620519	54.667	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	194182	51.236	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	165549	52.077	ug/L	98
61) Bromoform	9.75	173	107044	59.159	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	300304	53.897	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	304796	53.764	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	306135	54.826	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	43971	50.081	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	229282	55.184	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	207575	54.468	ug/L	98
69) Naphthalene	13.52	128	594230	54.207	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	203421	54.553	ug/L	99

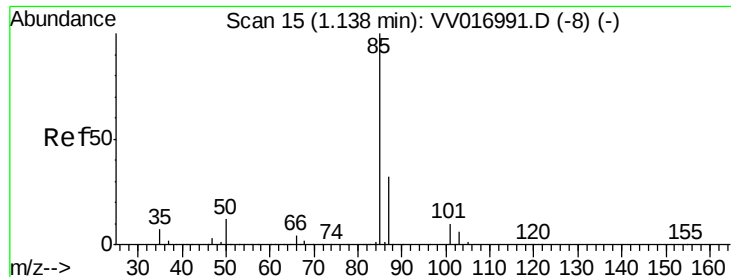
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.387 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

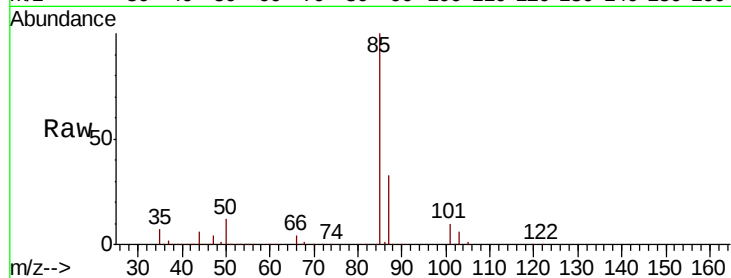
VSTD05068

Tot Ion: 85 Resp: 138994

Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016991.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV016991.D (-8) (-)

1.14

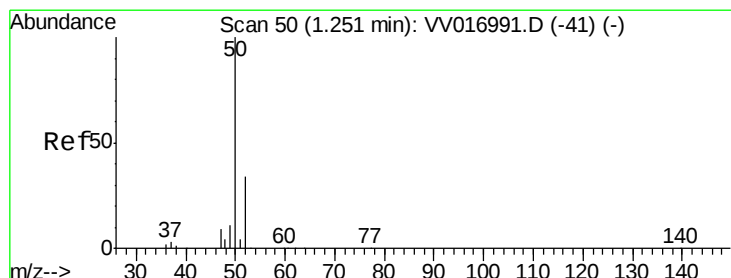
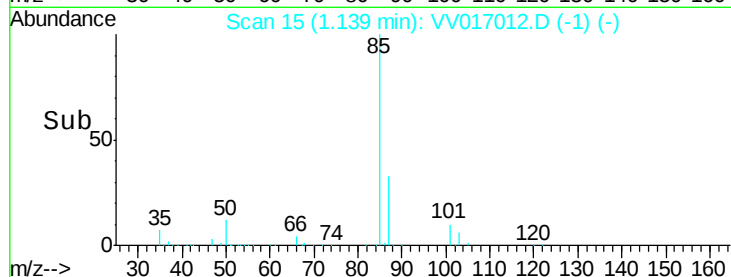
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.673 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017012.D

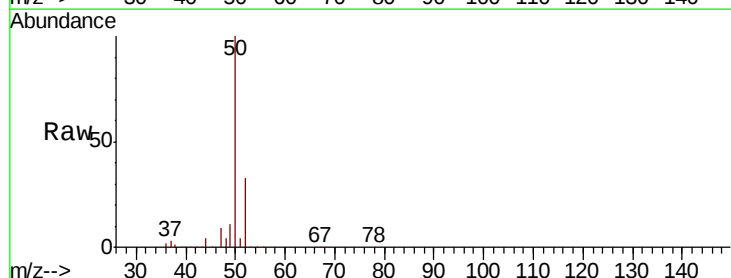
Acq: 22 Jun 2020 10:44

Tgt Ion: 50 Resp: 120124

Ion Ratio Lower Upper

50 100

52 33.2 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016991.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016991.D (-41) (-)

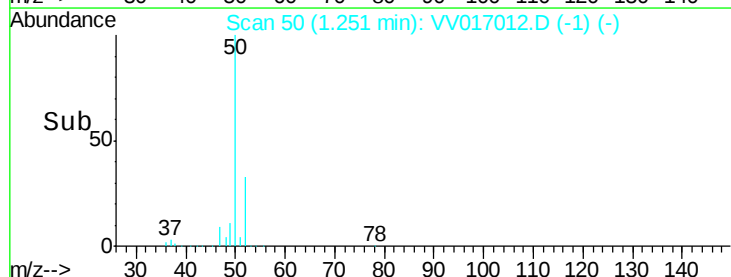
1.25

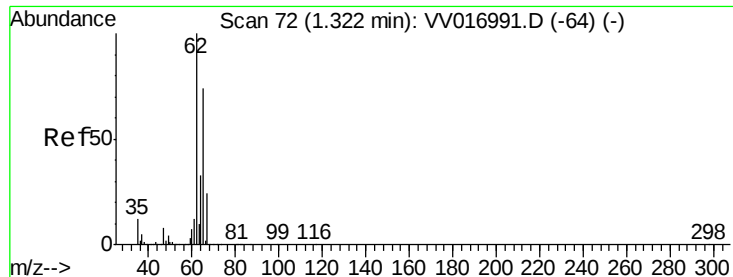
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50000

0

Time-->





#5

Vinyl chloride

Concen: 48.465 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampled :

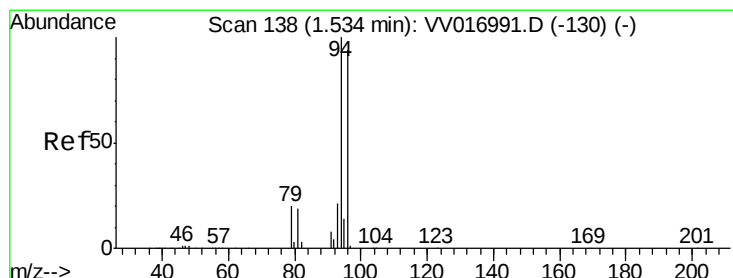
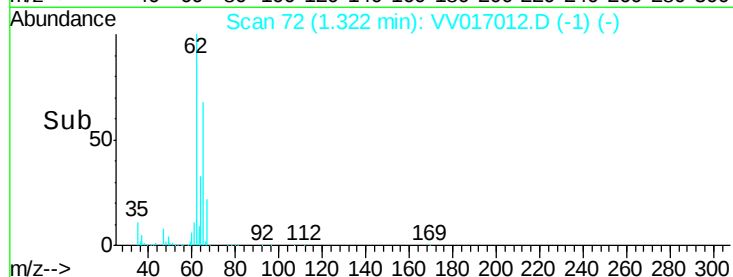
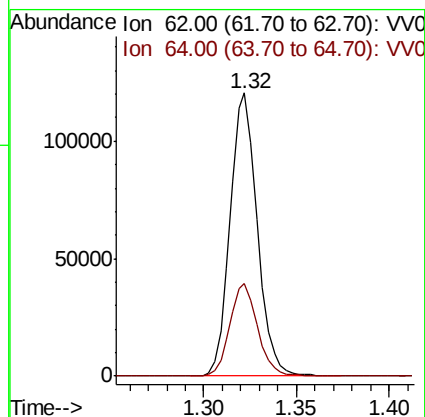
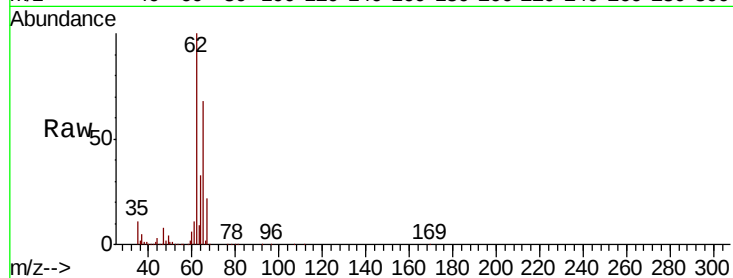
VSTD05068

Tot Ion: 62 Resp: 122662

Ion Ratio Lower Upper

62 100

64 32.5 22.3 41.5



#6

Bromomethane

Concen: 63.308 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017012.D

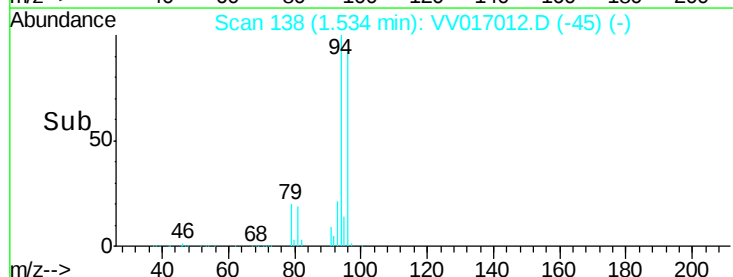
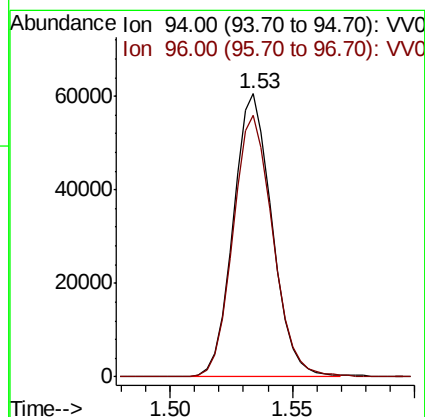
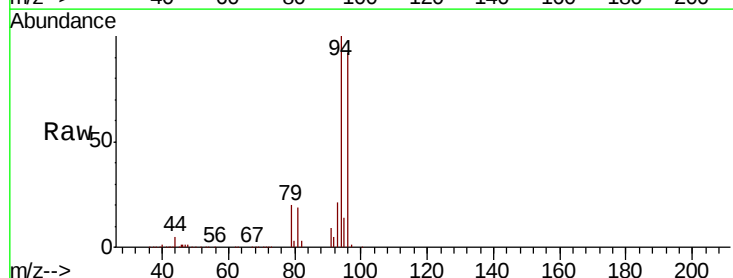
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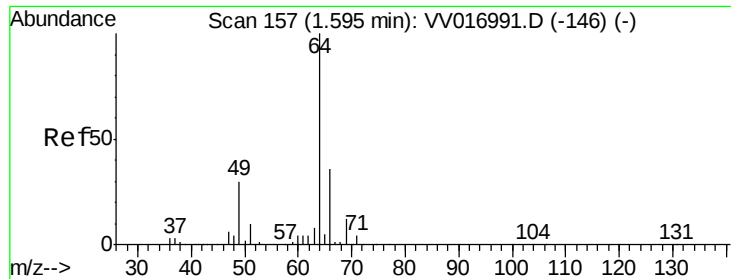
Tgt Ion: 94 Resp: 66734

Ion Ratio Lower Upper

94 100

96 92.3 64.5 119.9

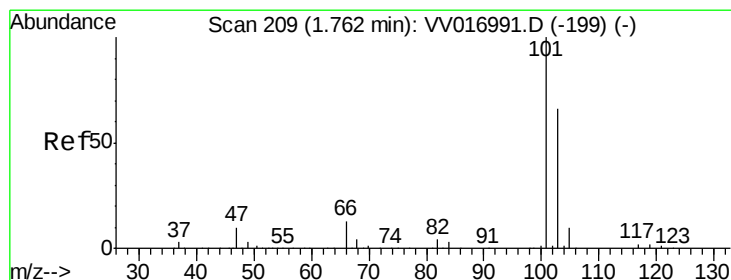
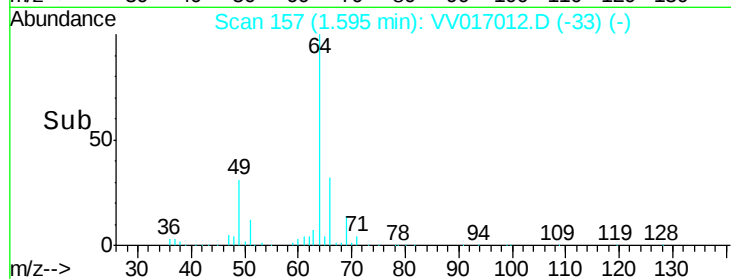
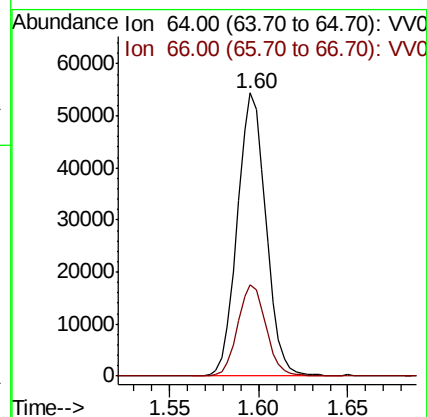
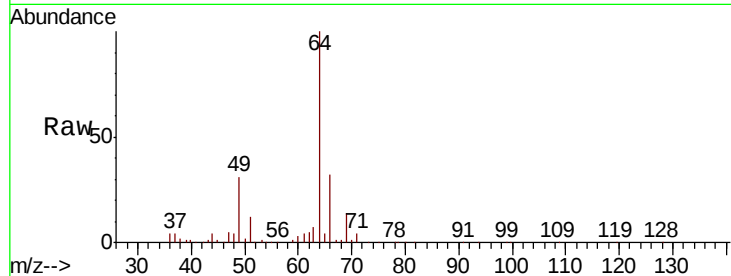




#8
Chloroethane
Concen: 48.738 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

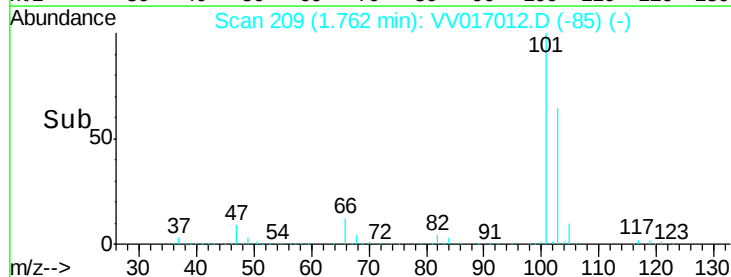
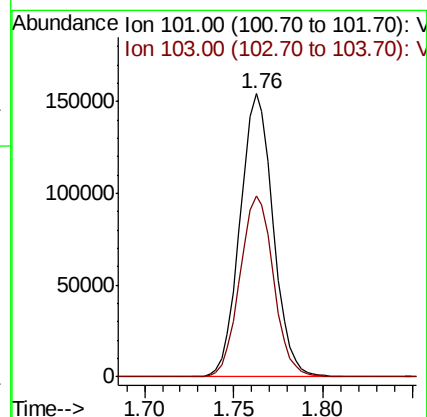
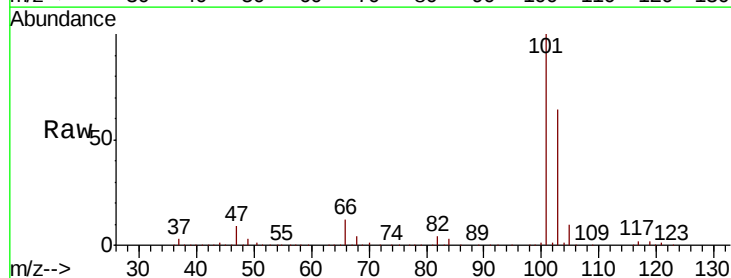
Instrument :
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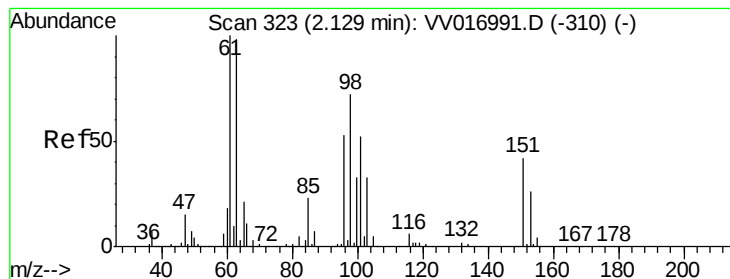
Tot Ion: 64 Resp: 60933
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 52.987 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion: 101 Resp: 200687
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9





#10

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

Concen: 56.945 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

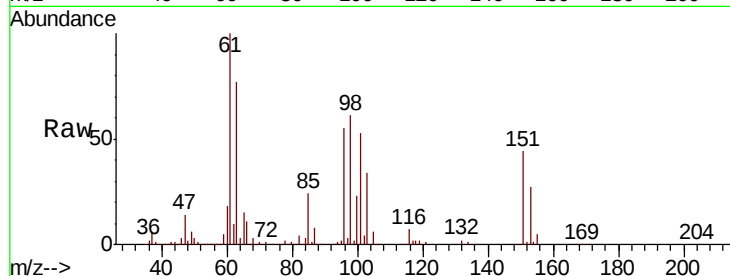
Tot Ion:101 Resp: 107474

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

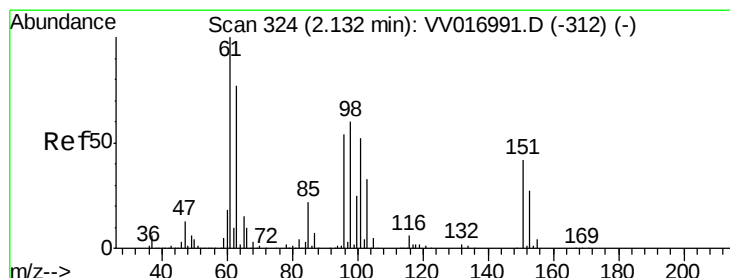
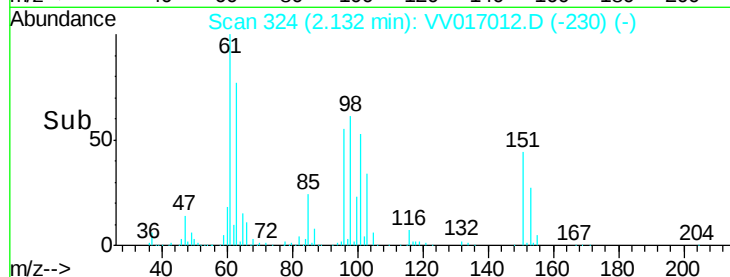
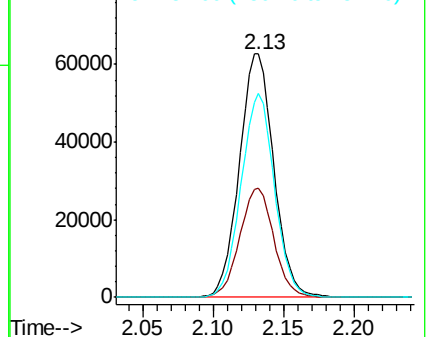
151 81.1 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.908 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

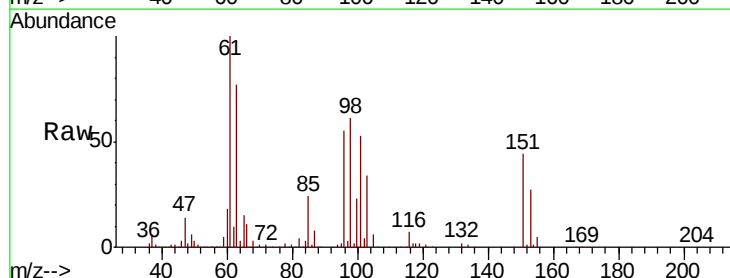
Tgt Ion: 96 Resp: 94979

Ion Ratio Lower Upper

96 100

61 181.5 130.4 242.2

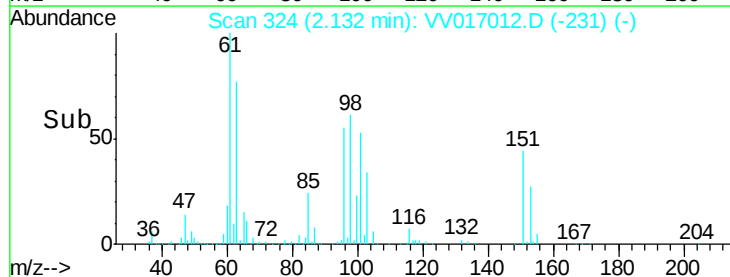
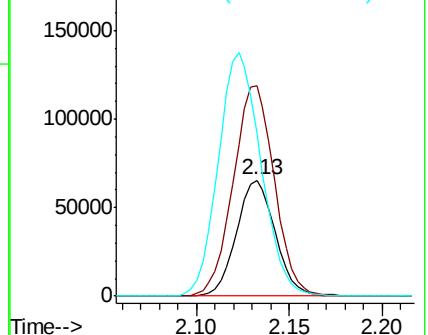
63 140.5 103.3 191.9

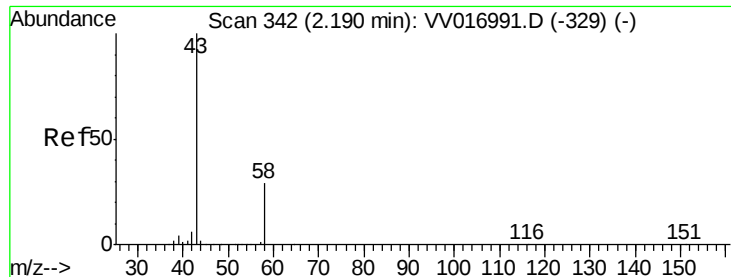


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 133.931 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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Acq: 22 Jun 2020 10:44

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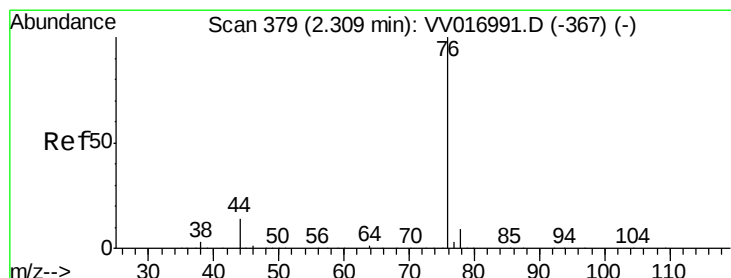
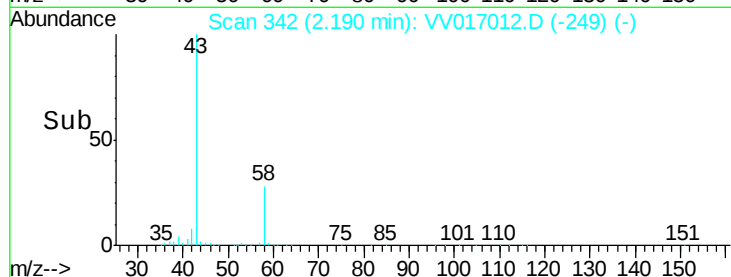
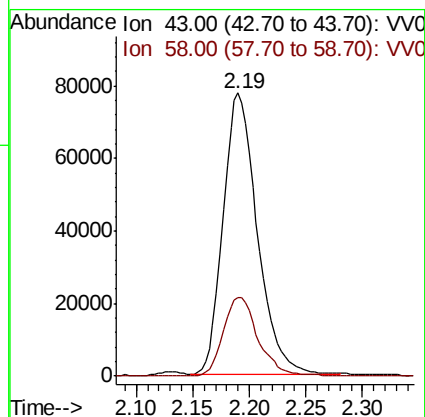
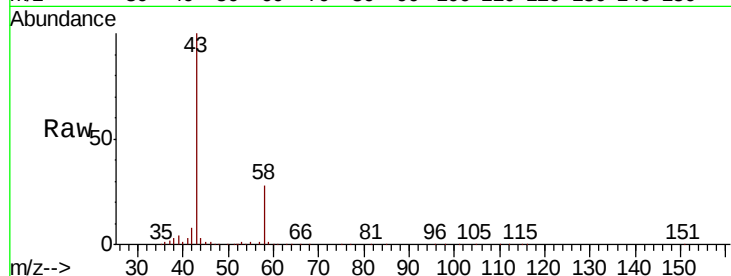
VSTD05068

Tot Ion: 43 Resp: 163597

Ion Ratio Lower Upper

43 100

58 28.4 0.0 55.2



#14

Carbon disulfide

Concen: 46.649 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017012.D

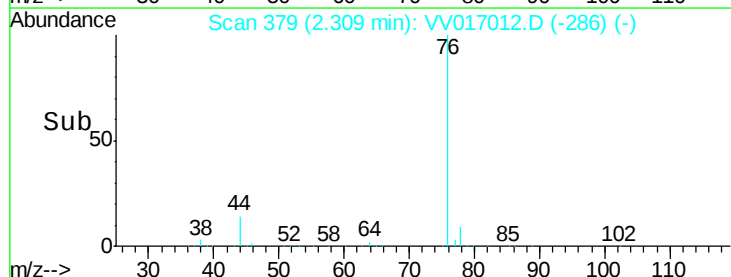
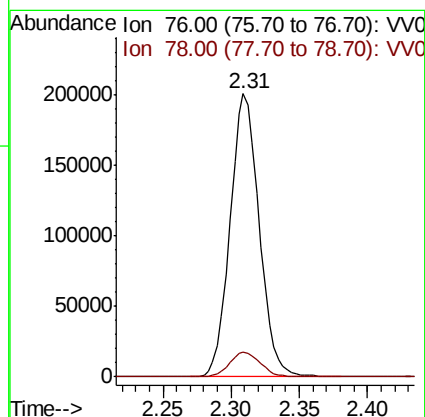
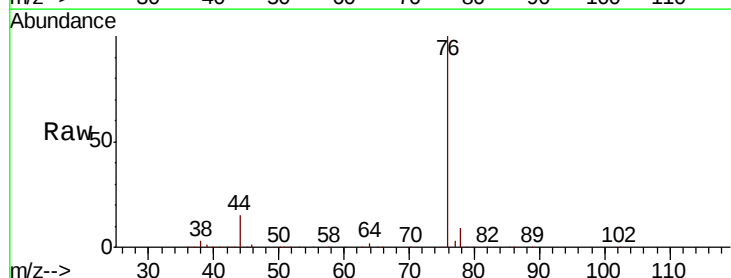
Acq: 22 Jun 2020 10:44

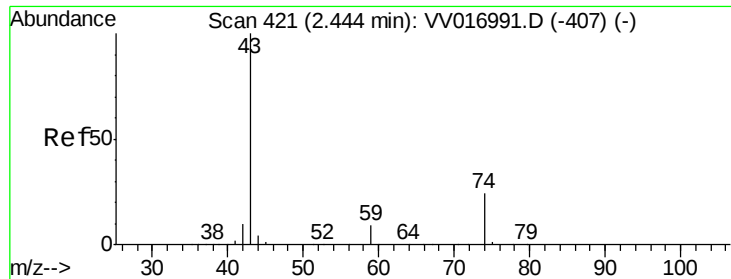
Tgt Ion: 76 Resp: 297576

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0





#15

Methyl Acetate

Concen: 49.497 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

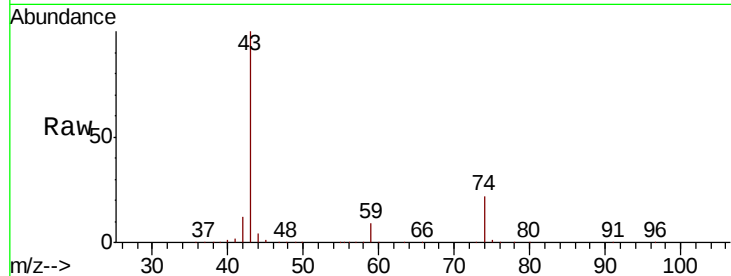
VSTD05068

Tot Ion: 43 Resp: 134758

Ion Ratio Lower Upper

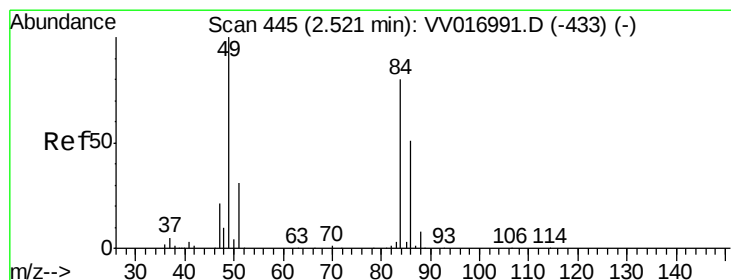
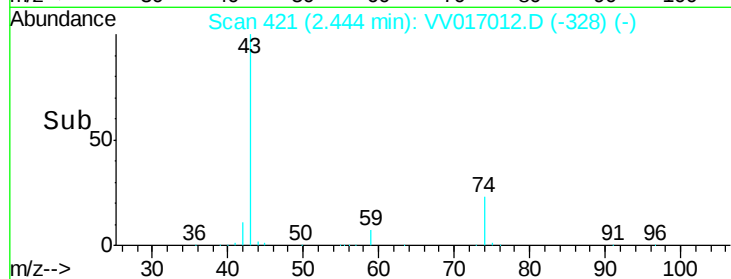
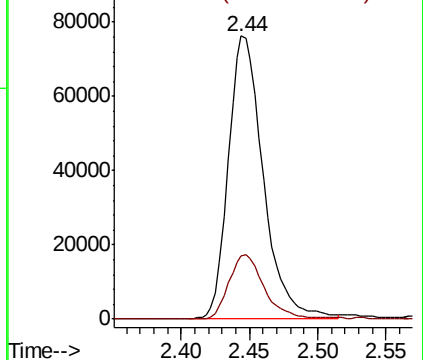
43 100

74 23.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.699 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

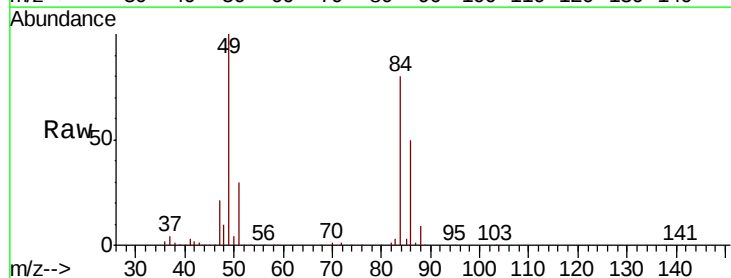
Tgt Ion: 84 Resp: 131075

Ion Ratio Lower Upper

84 100

86 62.1 44.0 81.8

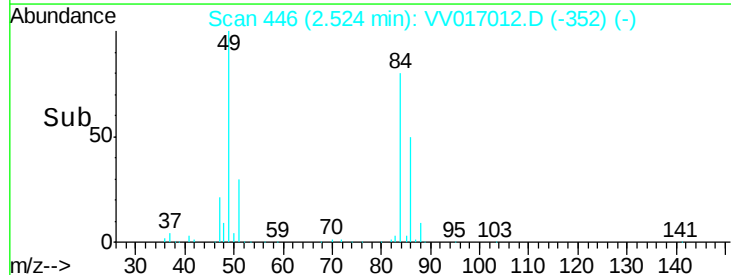
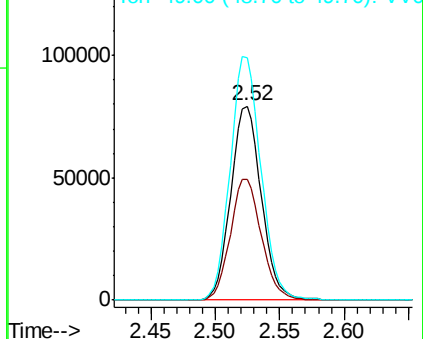
49 124.8 90.9 168.9

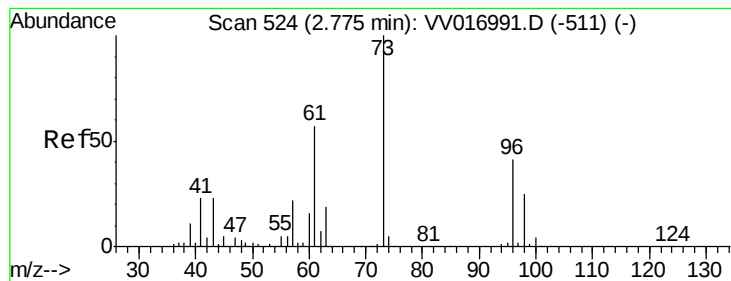


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.863 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

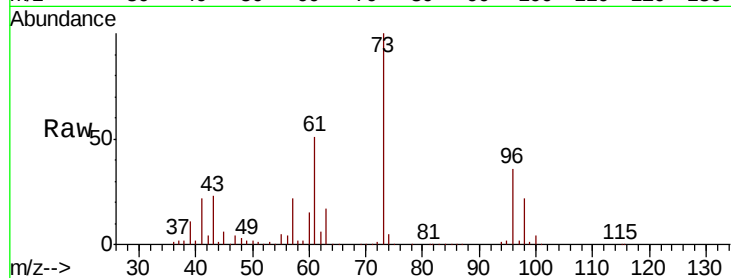
Tot Ion: 96 Resp: 119783

Ion Ratio Lower Upper

96 100

61 143.2 102.9 191.1

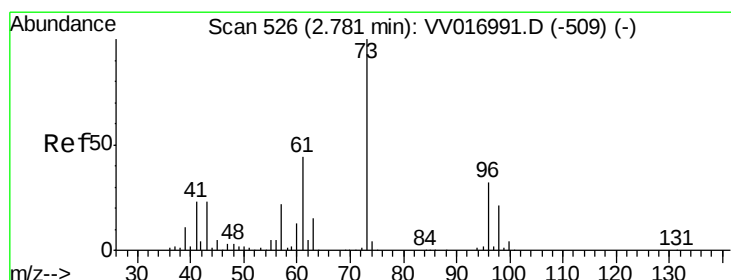
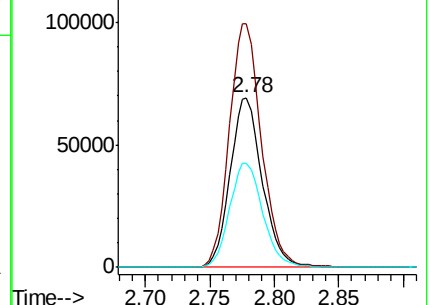
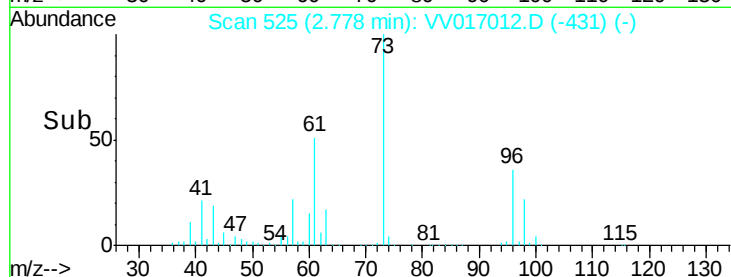
98 61.5 45.5 84.5



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: 53.985 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

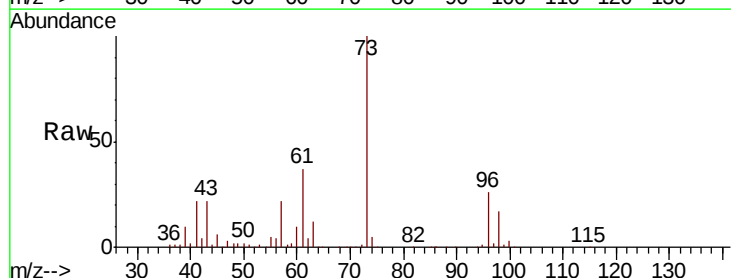
Tgt Ion: 73 Resp: 429708

Ion Ratio Lower Upper

73 100

43 22.2 17.8 26.6

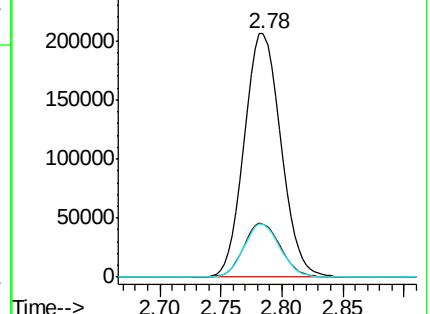
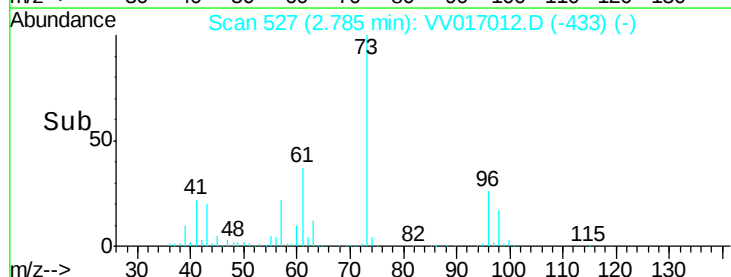
57 21.4 17.7 26.5

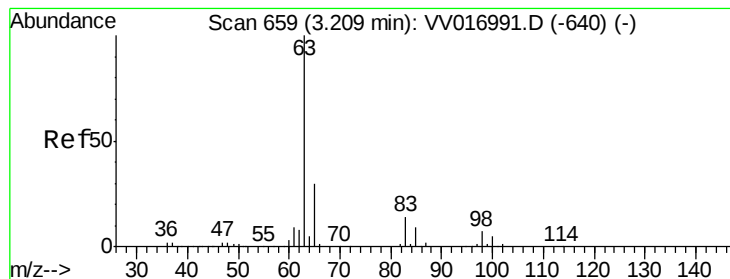


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 52.294 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

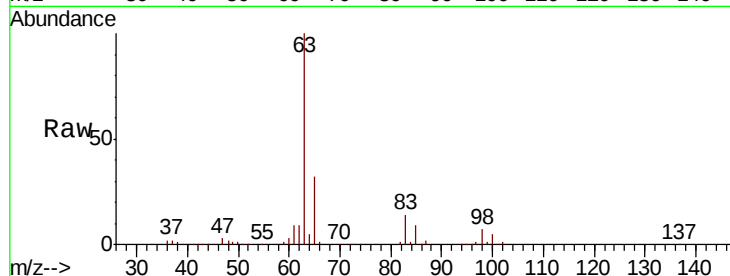
Tot Ion: 63 Resp: 236464

Ion Ratio Lower Upper

63 100

65 31.9 23.2 43.0

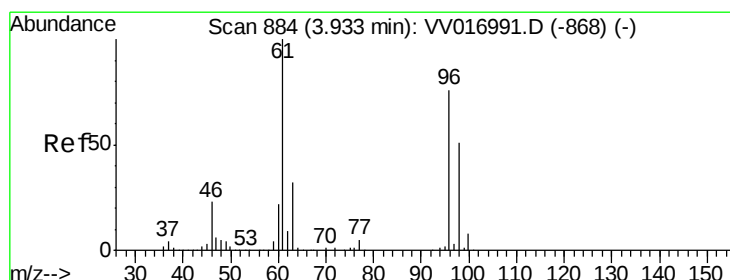
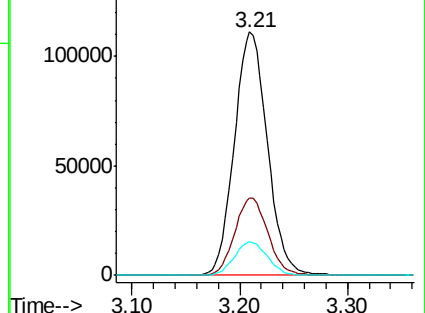
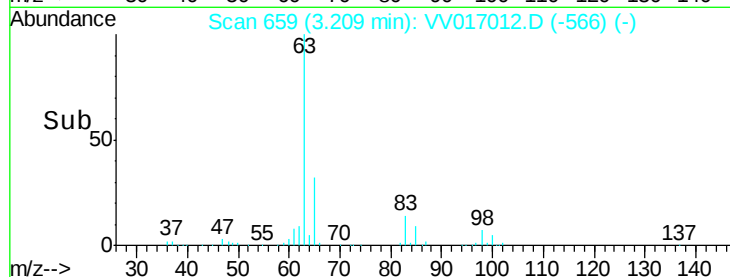
83 13.6 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV017012.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV017012.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV017012.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.422 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

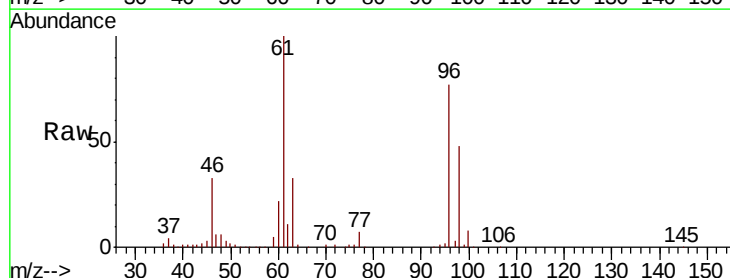
Tgt Ion: 96 Resp: 137289

Ion Ratio Lower Upper

96 100

61 130.5 93.4 173.4

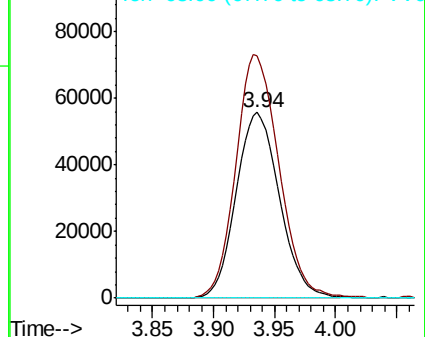
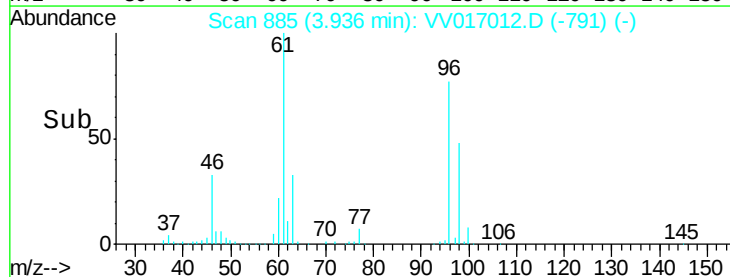
68 0.0 0.0 0.0

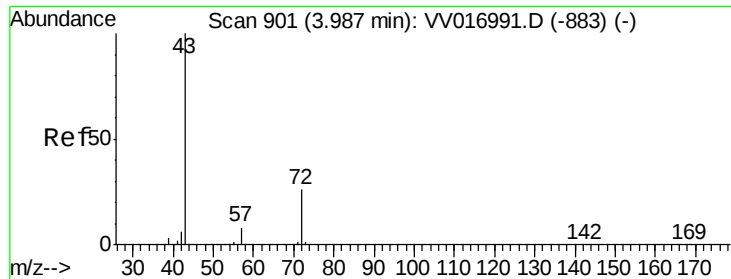


Abundance Ion 96.00 (95.70 to 96.70): VV017012.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV017012.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV017012.D (-791) (-)





#22

2-Butanone

Concen: 107.283 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

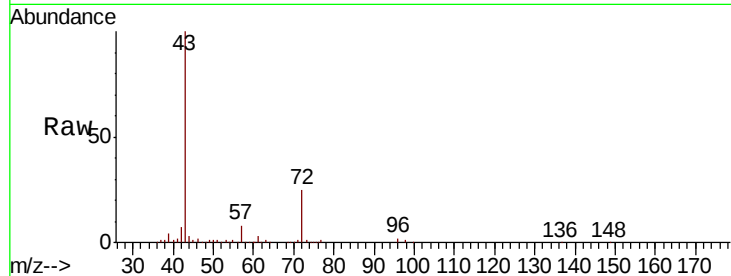
VSTD05068

Tot Ion: 43 Resp: 202084

Ion Ratio Lower Upper

43 100

72 24.8 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017012.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV017012.D (-896) (-)

3.99

80000

60000

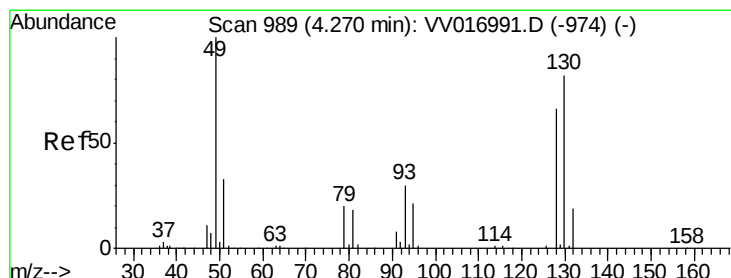
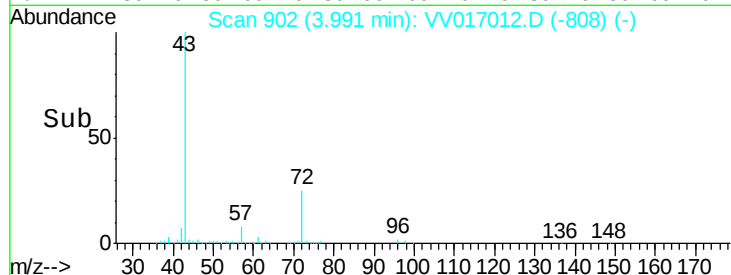
40000

20000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 52.872 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Tgt Ion: 128 Resp: 72941

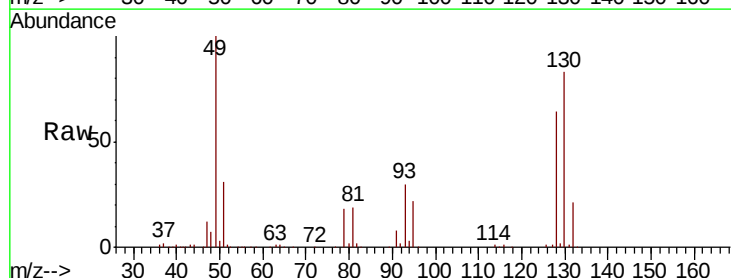
Ion Ratio Lower Upper

128 100

49 156.4 111.9 207.9

130 130.4 91.5 169.9

51 48.1 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV017012.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV017012.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV017012.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV017012.D (-896) (-)

60000

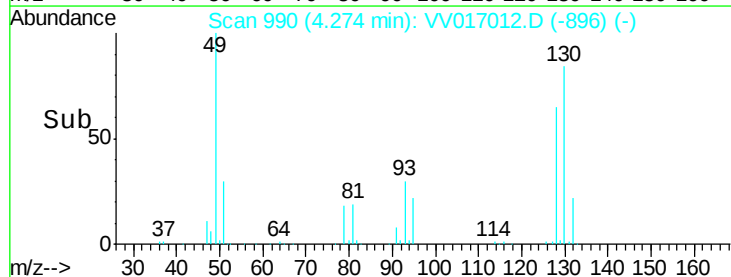
40000

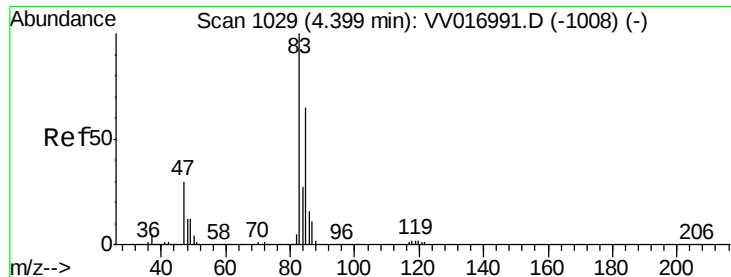
20000

0

4.20 4.25 4.30 4.35

Time-->

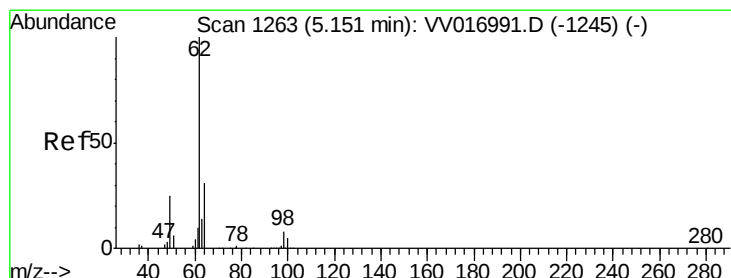
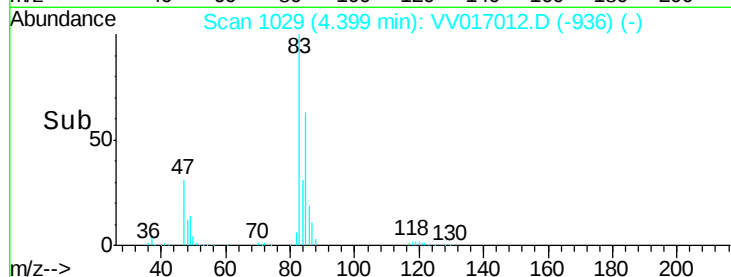
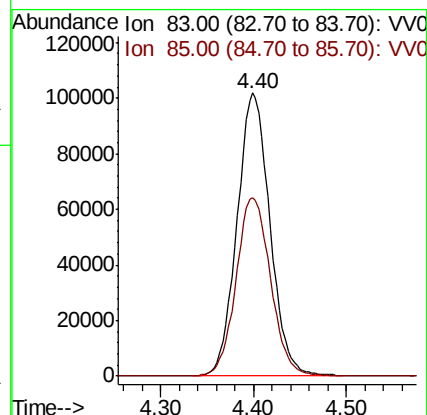
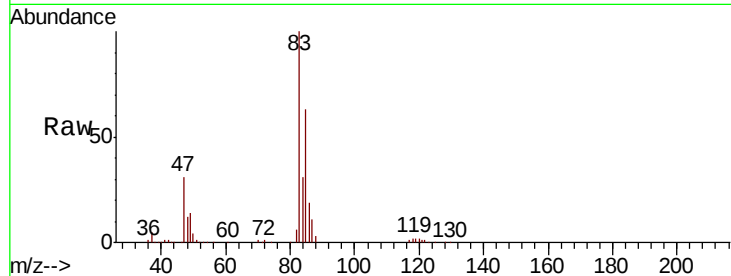




#25
Chloroform
Concen: 54.045 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

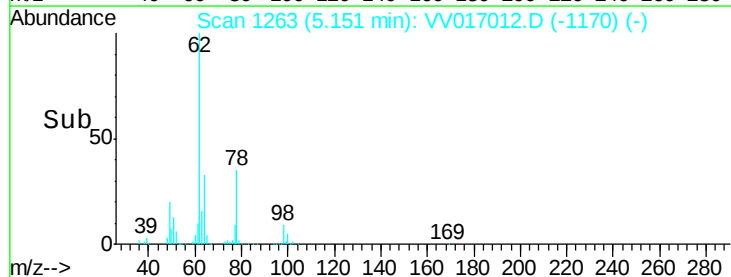
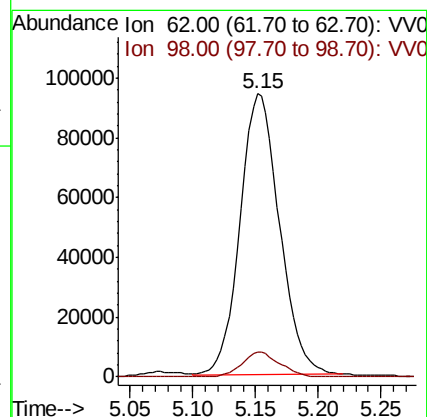
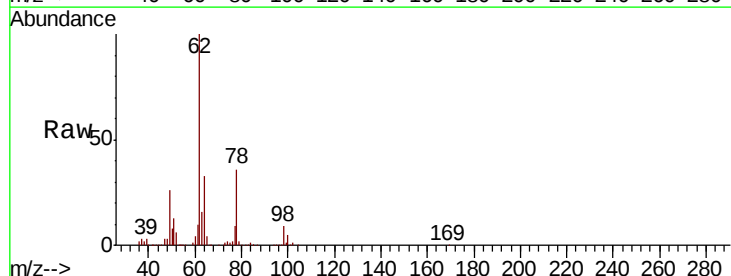
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

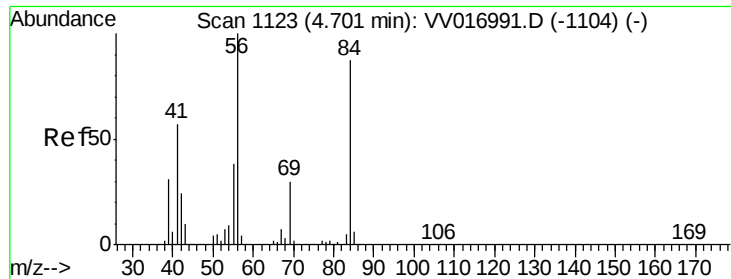
Tot Ion: 83 Resp: 251153
Ion Ratio Lower Upper
83 100
85 63.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 53.002 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion: 62 Resp: 206472
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2

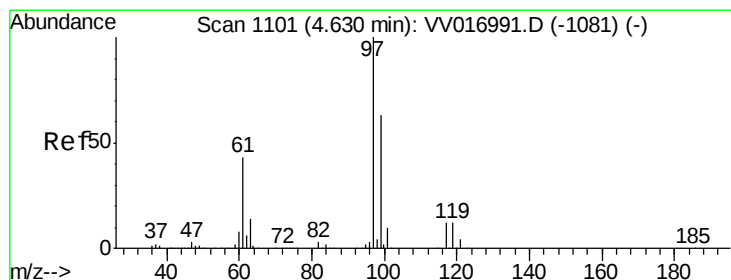
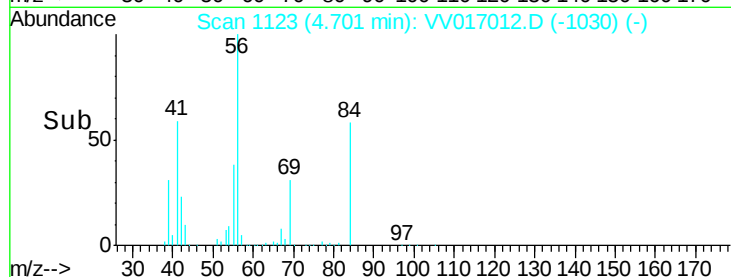
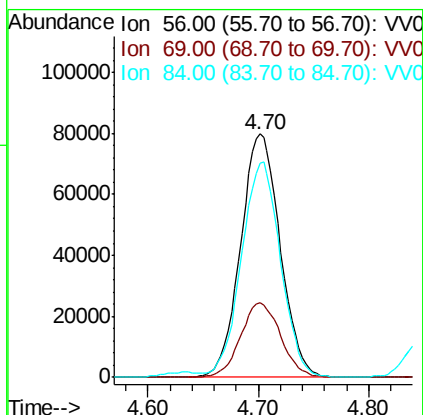
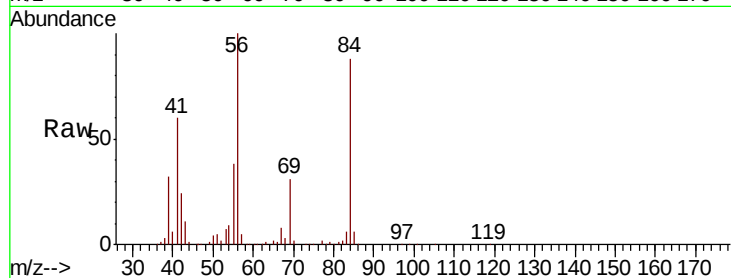




#29
Cyclohexane
Concen: 47.855 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

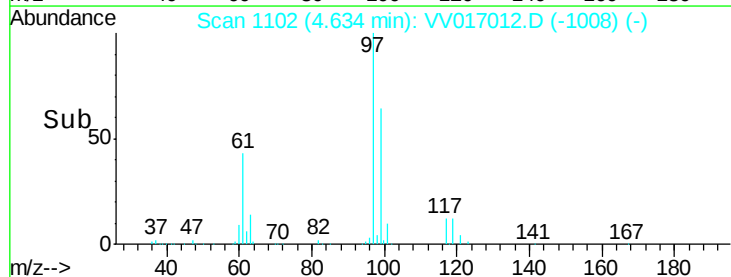
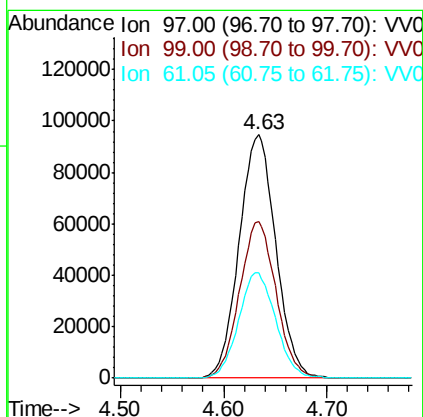
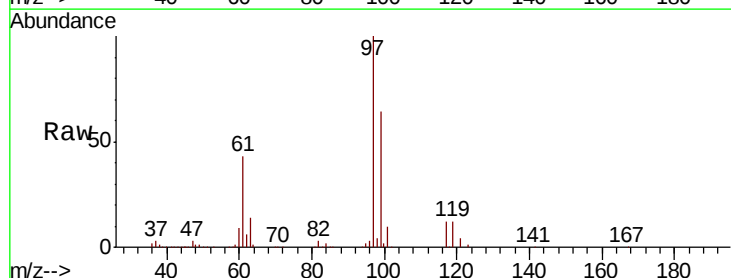
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

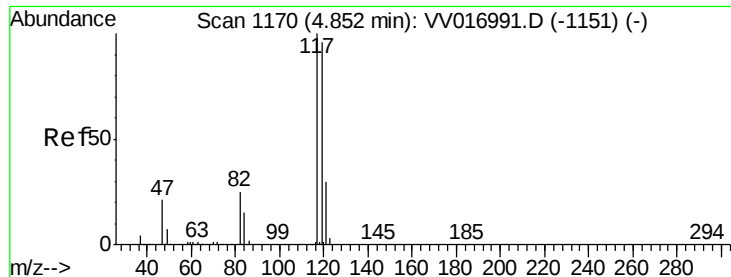
Tot Ion: 56 Resp: 198022
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 87.9 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 55.165 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion: 97 Resp: 234262
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 43.9 36.7 55.1

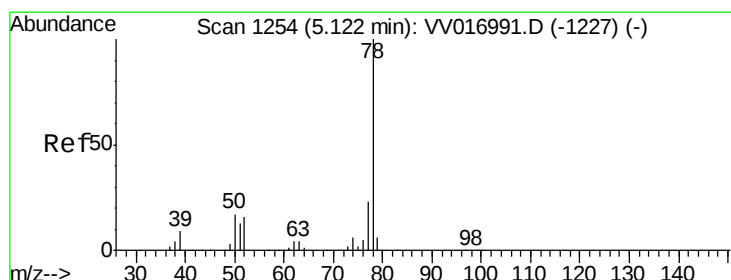
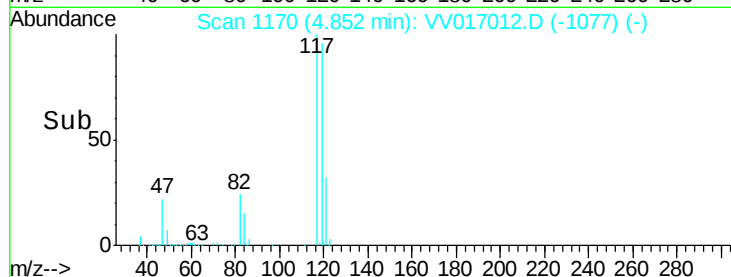
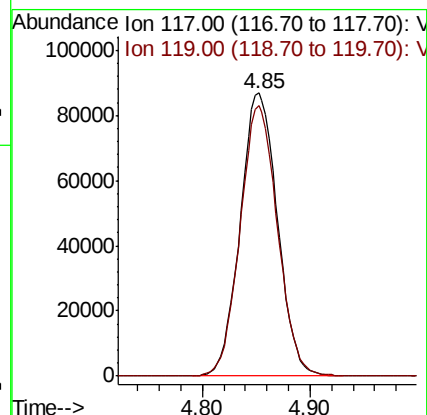
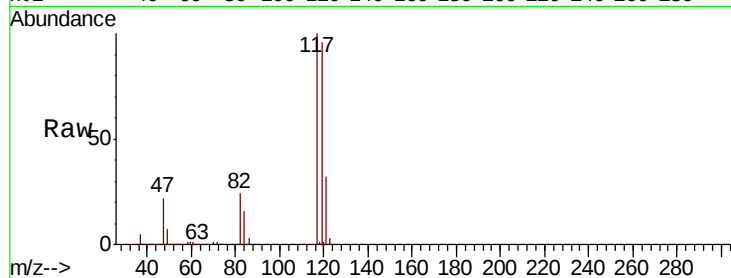




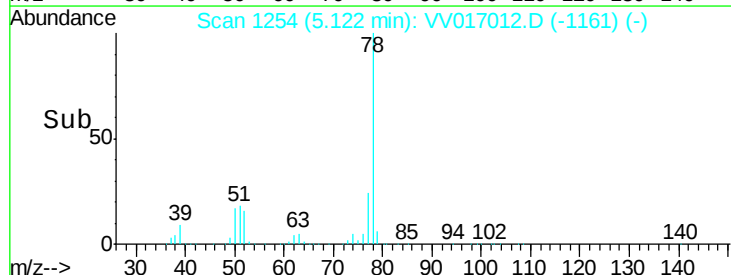
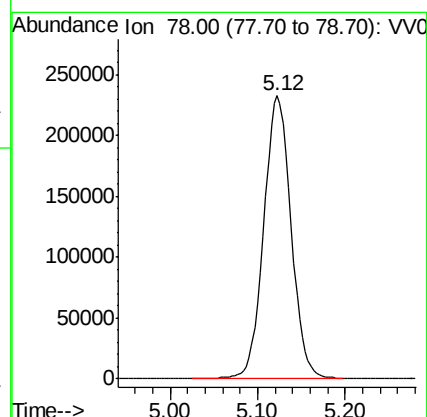
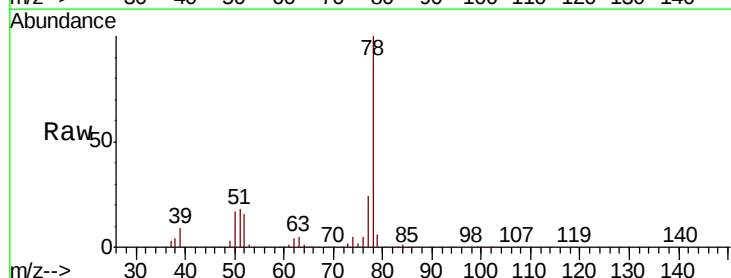
#31
Carbon tetrachloride
Concen: 56.802 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

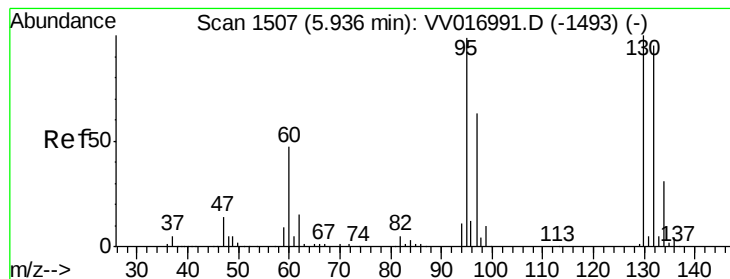
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion:117 Resp: 208672
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.2



#33
Benzene
Concen: 51.244 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44
Tgt Ion: 78 Resp: 504865





#34

Trichloroethene

Concen: 53.049 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

Tot Ion: 95 Resp: 140172

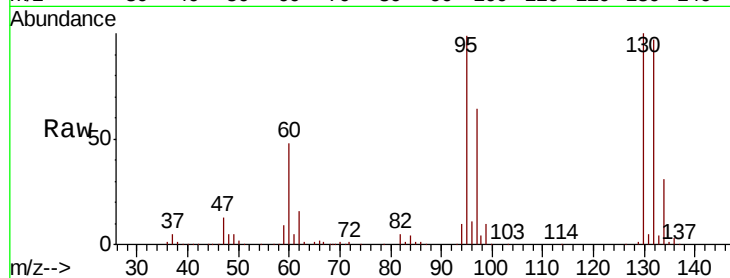
Ion Ratio Lower Upper

95 100

97 65.3 44.3 82.3

132 98.1 67.9 126.1

130 101.5 72.2 134.2

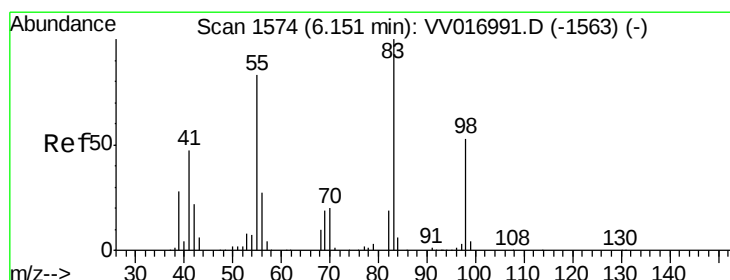
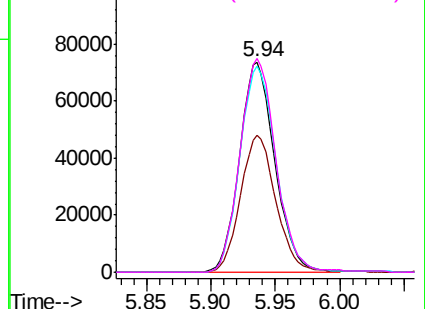
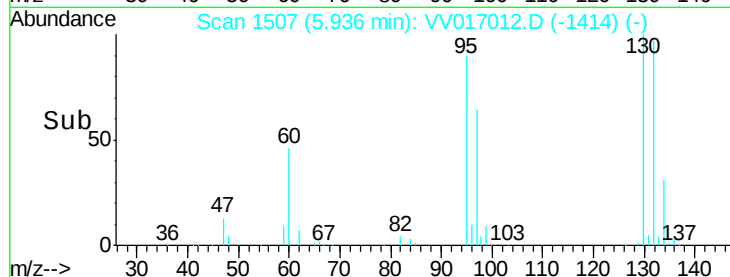


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.602 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

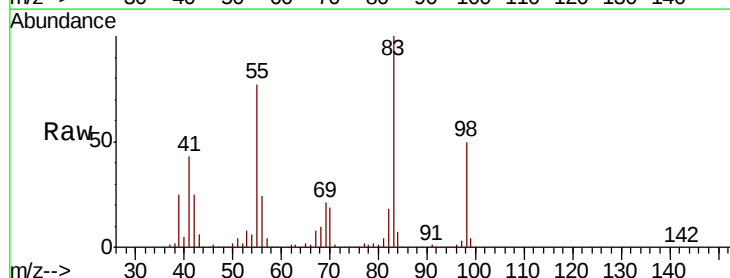
Tgt Ion: 83 Resp: 209756

Ion Ratio Lower Upper

83 100

55 78.1 64.2 96.2

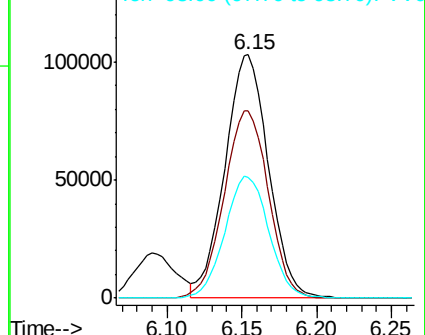
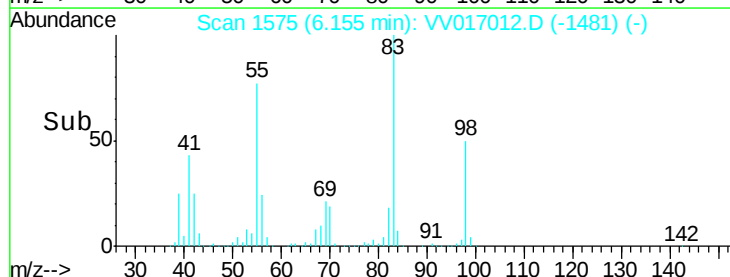
98 50.0 40.3 60.5

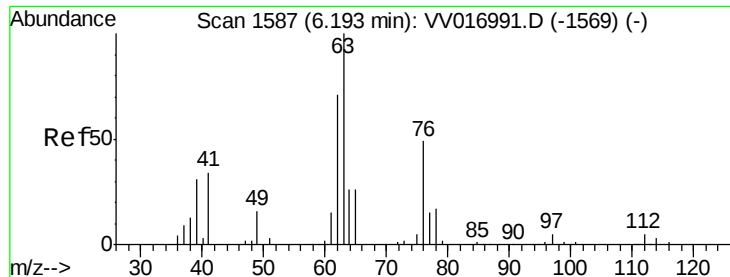


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

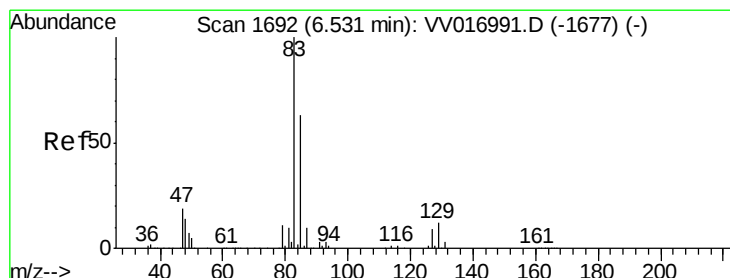
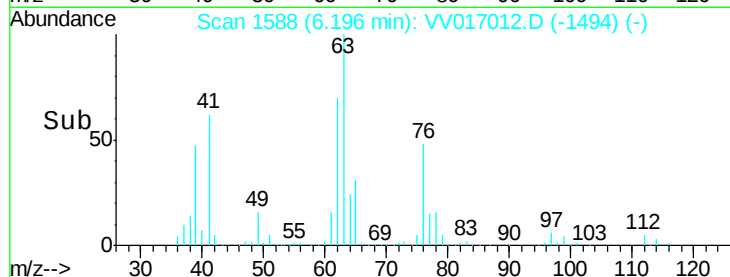
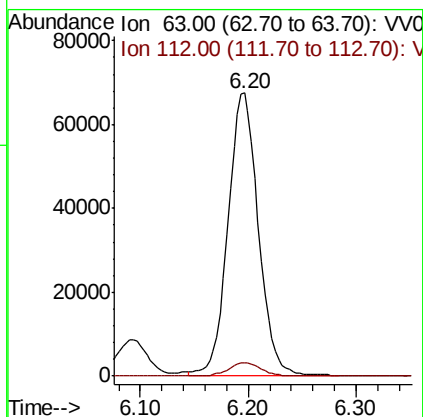
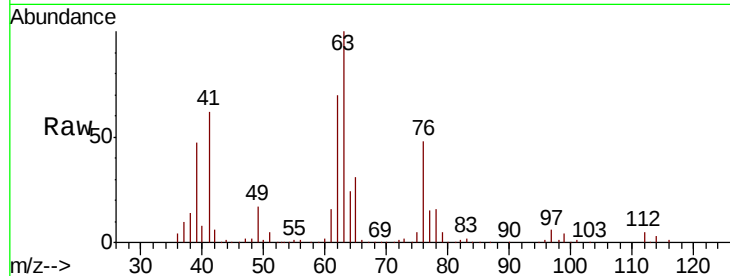




#37
 1,2-Dichloropropane
 Concen: 51.601 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

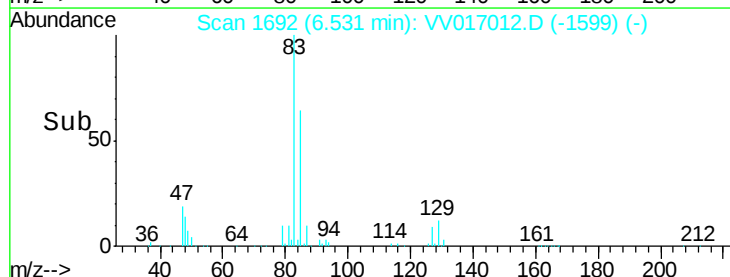
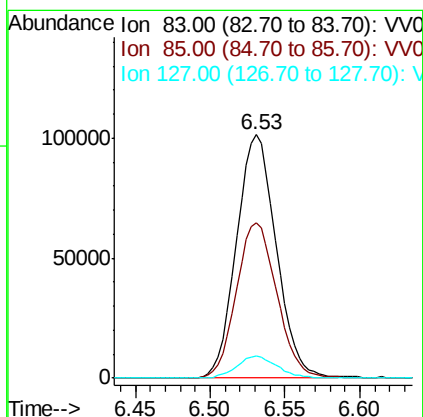
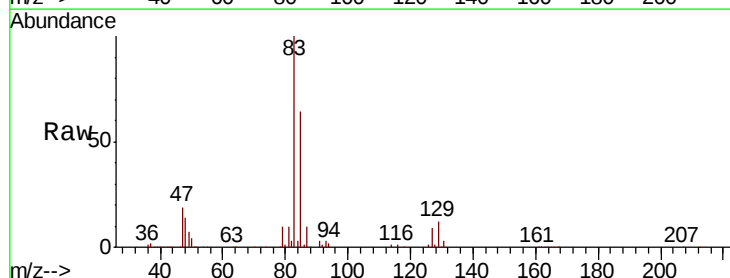
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

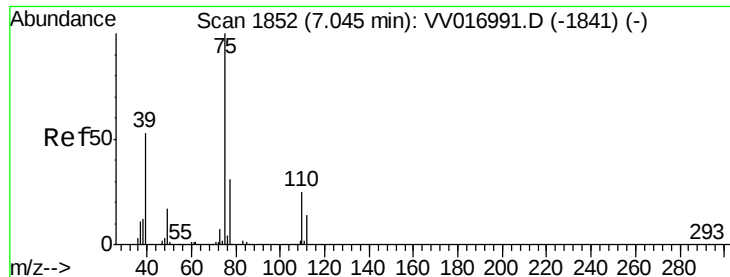
Tot Ion: 63 Resp: 132210
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 55.092 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

Tgt Ion: 83 Resp: 187903
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.5
 127 9.0 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 55.659 ug/L

RT: 7.05 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

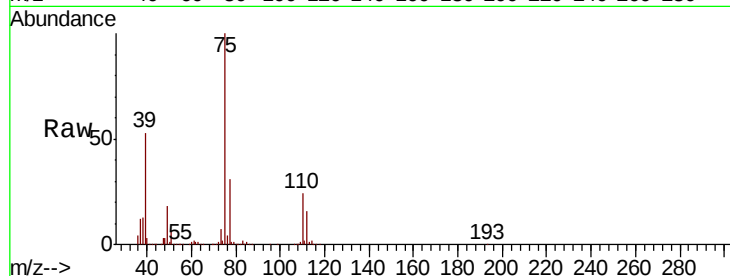
VSTD05068

Tot Ion: 75 Resp: 221516

Ion Ratio Lower Upper

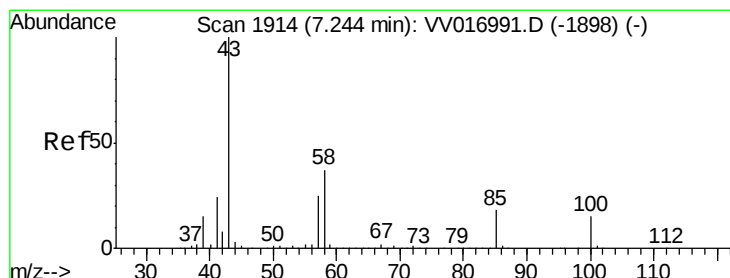
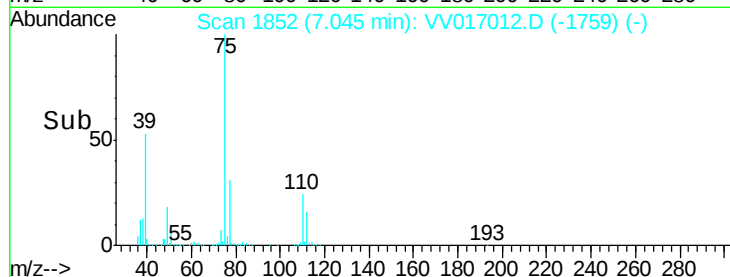
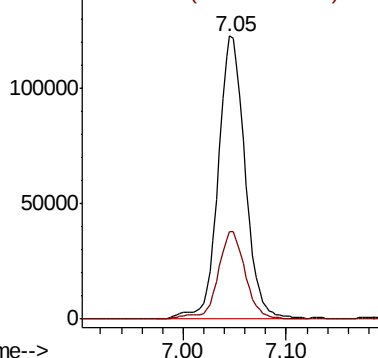
75 100

77 31.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 102.763 ug/L

RT: 7.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

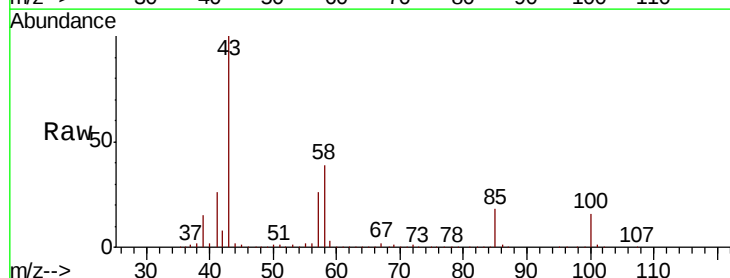
Tgt Ion: 43 Resp: 373091

Ion Ratio Lower Upper

43 100

58 39.1 30.2 45.4

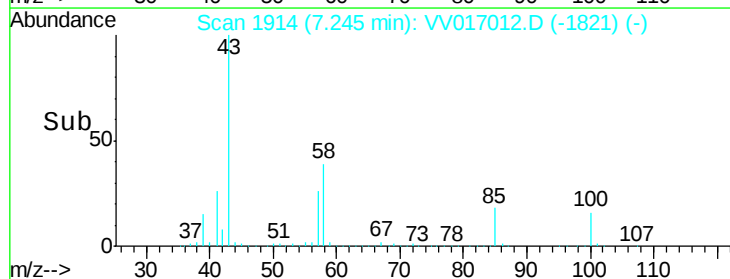
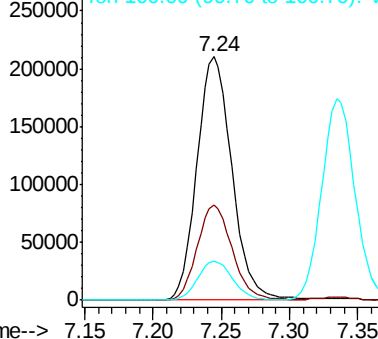
100 16.2 12.3 18.5

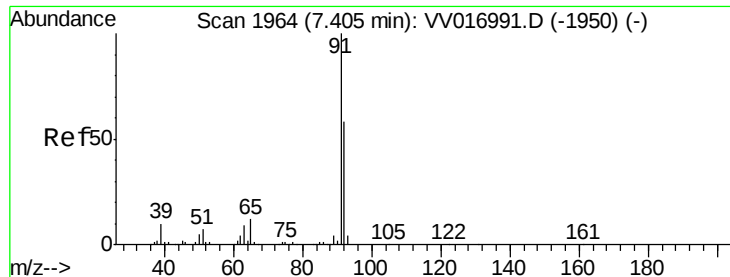


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 52.578 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

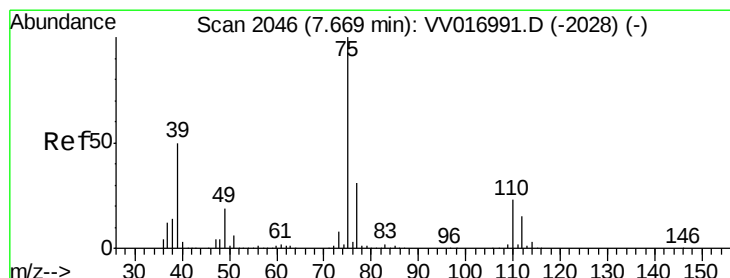
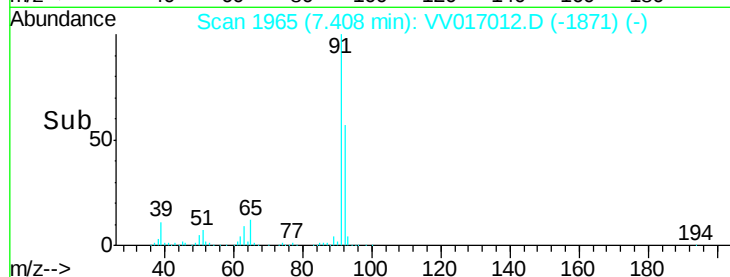
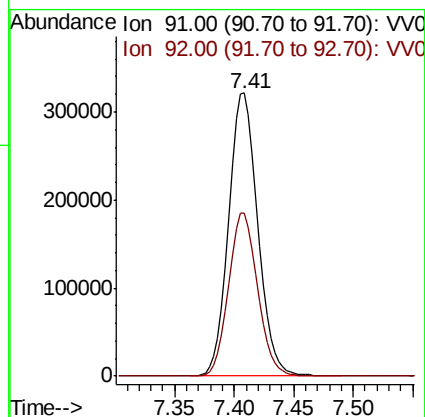
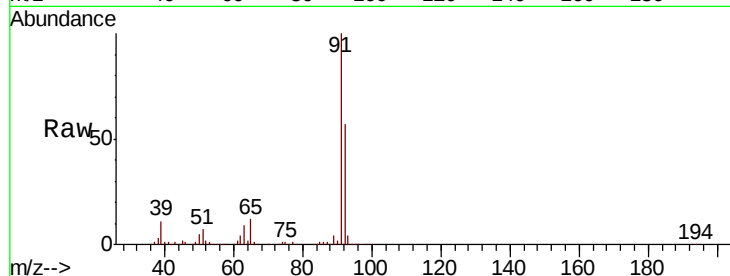
VSTD05068

Tot Ion: 91 Resp: 546079

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 56.733 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017012.D

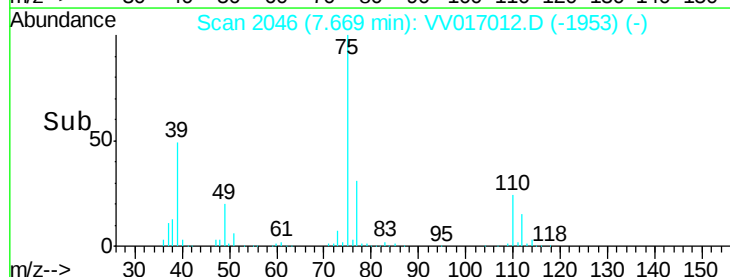
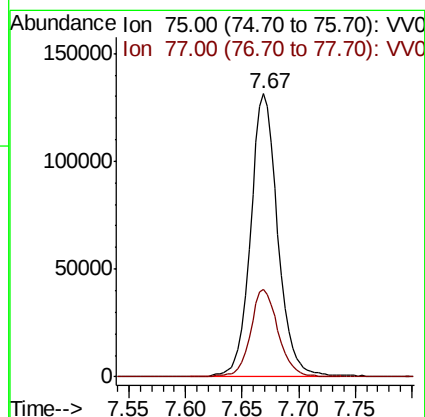
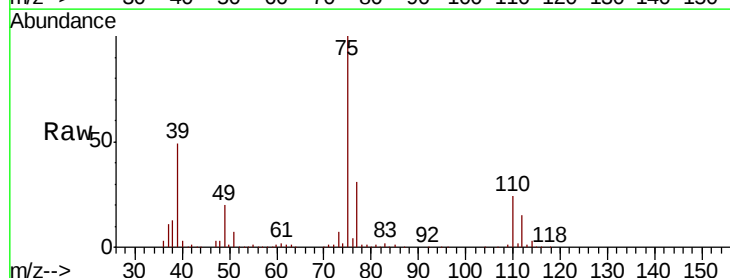
Acq: 22 Jun 2020 10:44

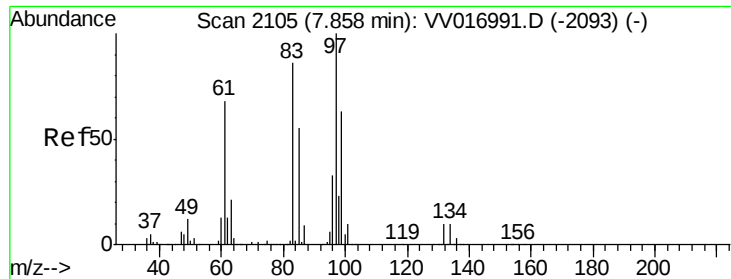
Tgt Ion: 75 Resp: 219512

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3

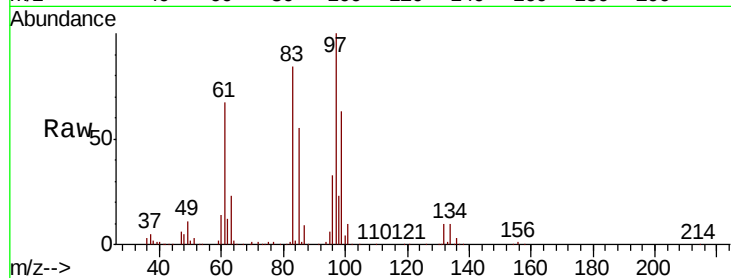




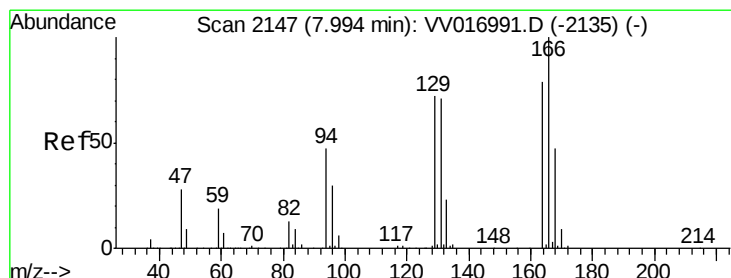
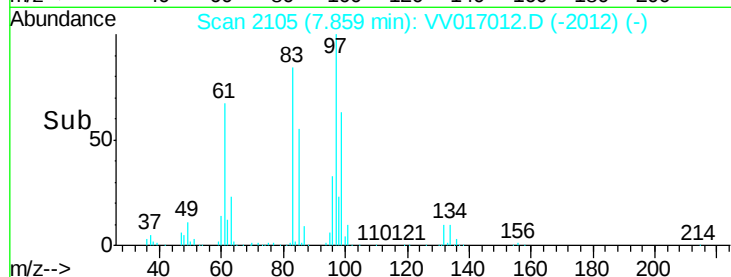
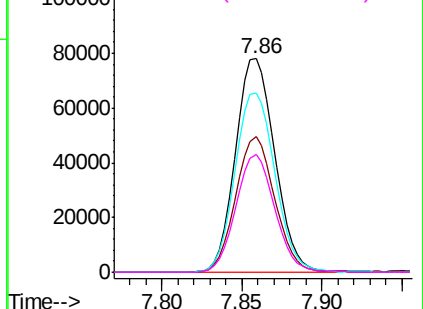
#45
 1,1,2-Trichloroethane
 Concen: 52.964 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion:	97	Resp:	130921
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.3	82.3
83	84.0	60.0	111.4
85	55.0	39.5	73.3

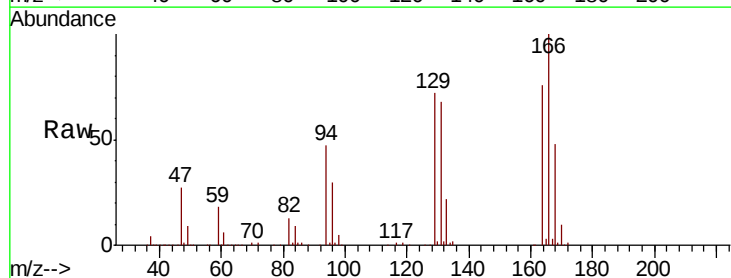


Abundance Ion 97.00 (96.70 to 97.70): VV017012.D (-2012) (-)
 Ion 99.00 (98.70 to 99.70): VV017012.D (-2012) (-)
 Ion 83.00 (82.70 to 83.70): VV017012.D (-2012) (-)
 Ion 85.00 (84.70 to 85.70): VV017012.D (-2012) (-)

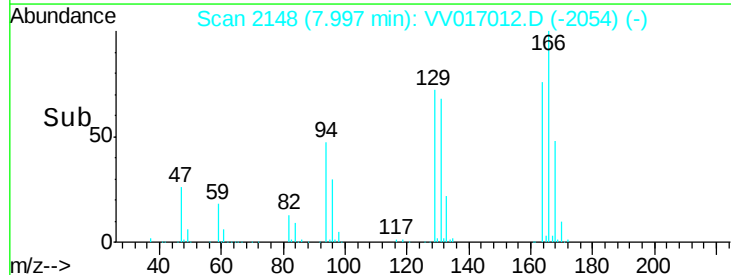
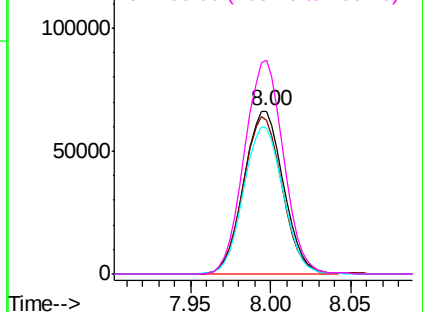


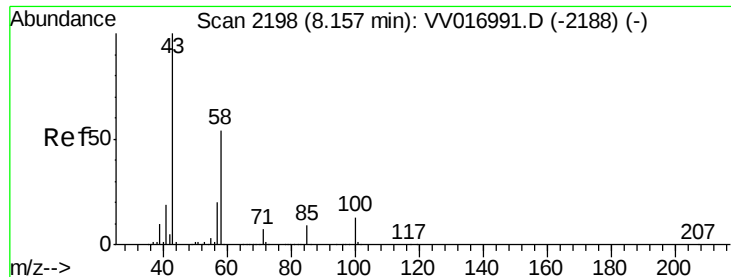
#46
 Tetrachloroethene
 Concen: 54.001 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

Tgt Ion:	164	Resp:	112221
Ion	Ratio	Lower	Upper
164	100		
129	94.2	67.0	124.4
131	89.3	64.8	120.3
166	131.1	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV017012.D (-2054) (-)
 Ion 129.00 (128.70 to 129.70): VV017012.D (-2054) (-)
 Ion 131.00 (130.70 to 131.70): VV017012.D (-2054) (-)
 Ion 166.00 (165.70 to 166.70): VV017012.D (-2054) (-)

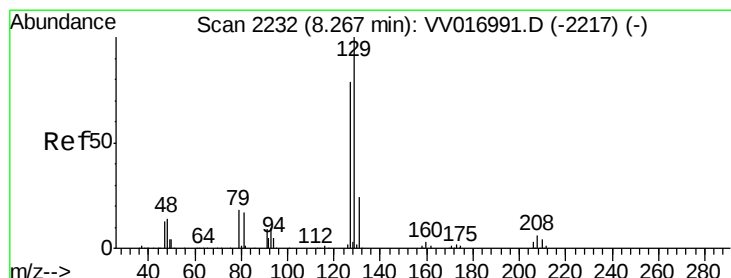
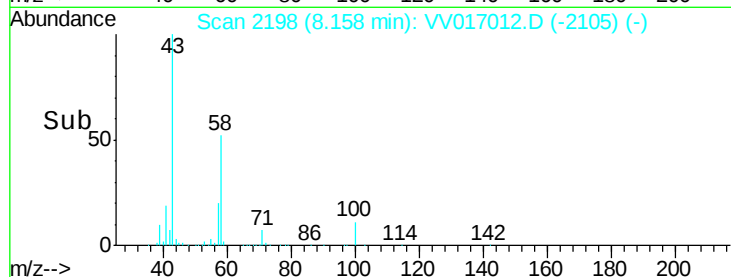
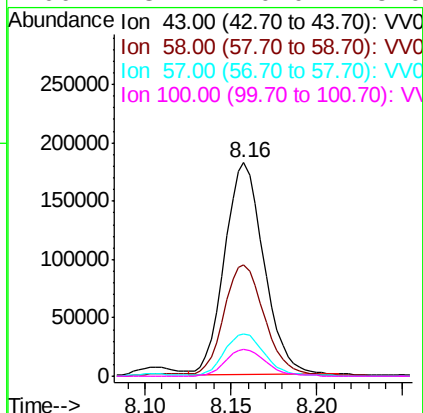
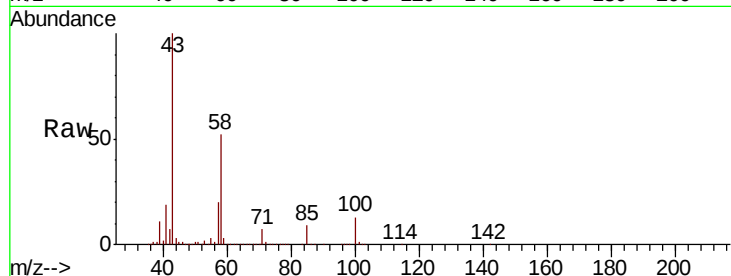




#48
2-Hexanone
Concen: 102.399 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

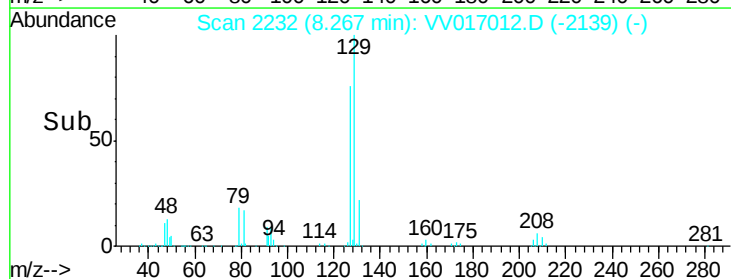
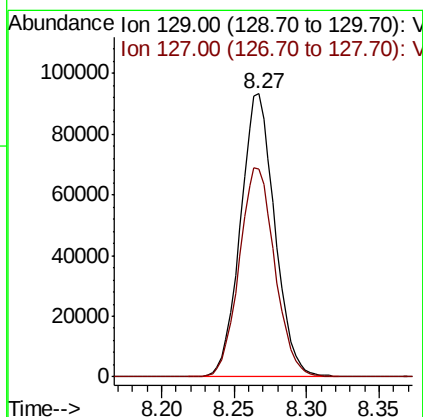
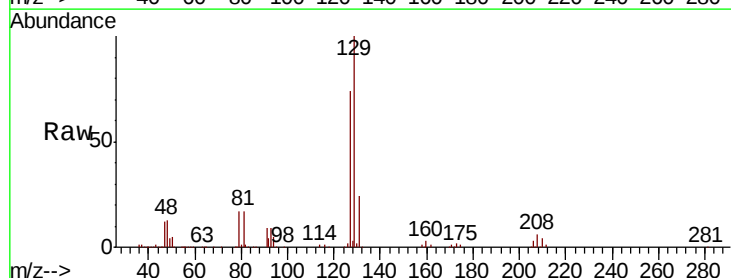
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

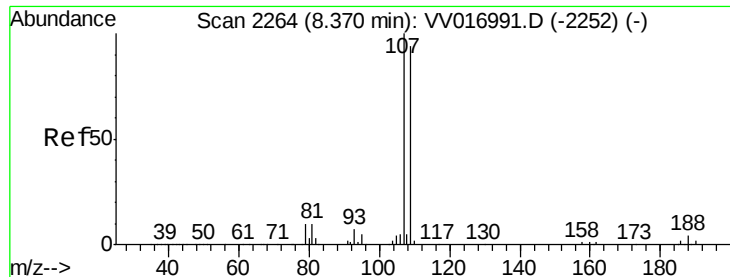
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.1	64.7
57	20.6	15.3	22.9
100	13.1	10.0	15.0



#49
Dibromochloromethane
Concen: 58.171 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.7	54.2	100.6

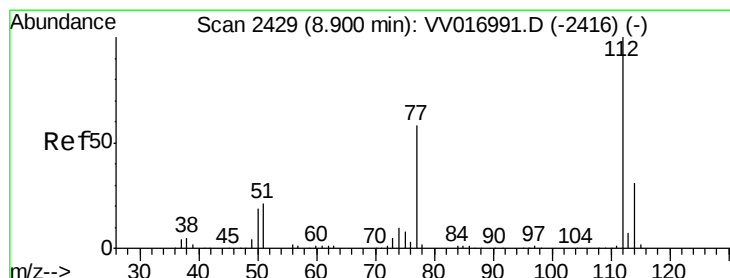
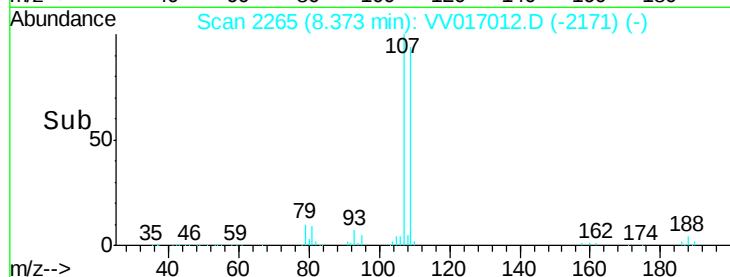
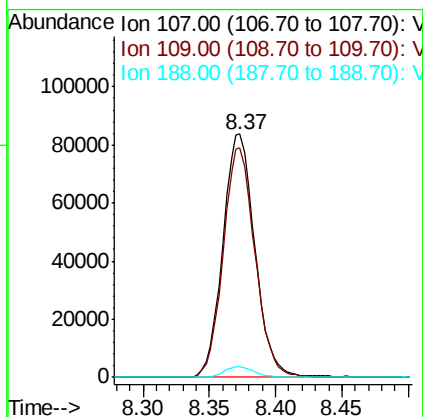
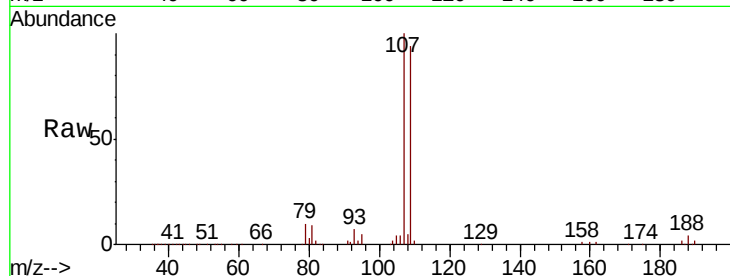




#50
1,2-Dibromoethane
Concen: 54.282 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

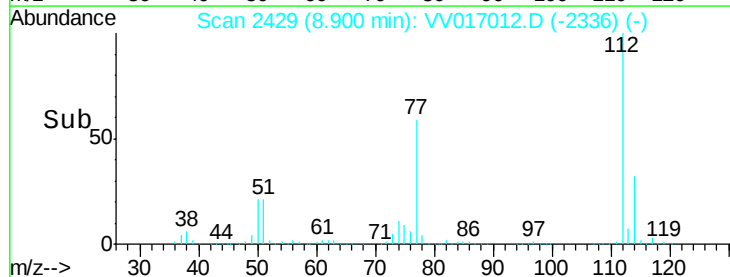
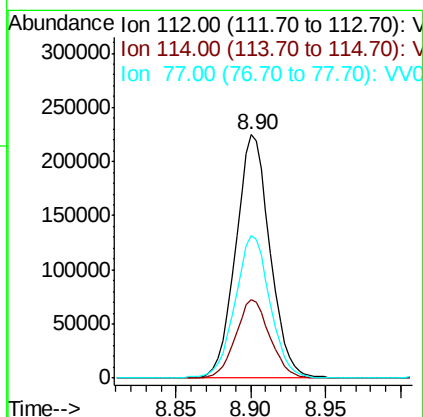
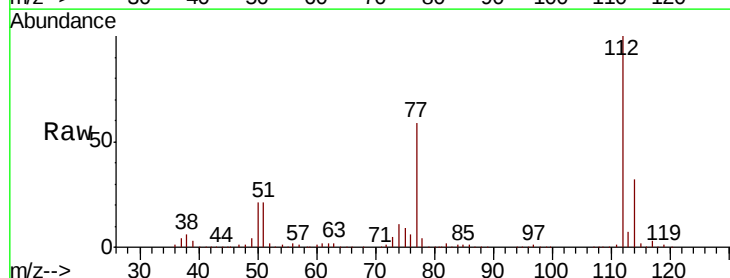
Instrument :
MSVOA_V
ClientSampled :
VSTD05068

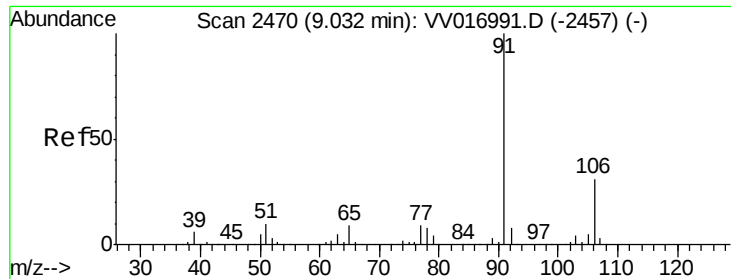
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.4	123.2
188	4.4	3.1	4.7



#51
Chlorobenzene
Concen: 52.696 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	58.6	47.9	71.9

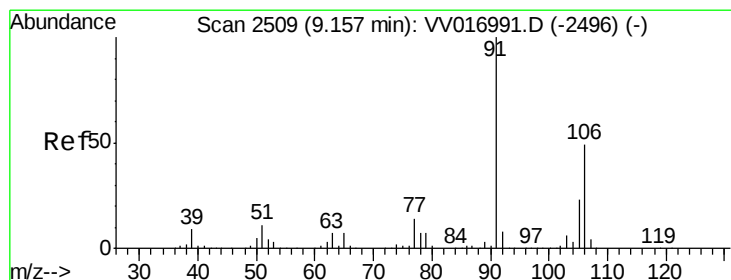
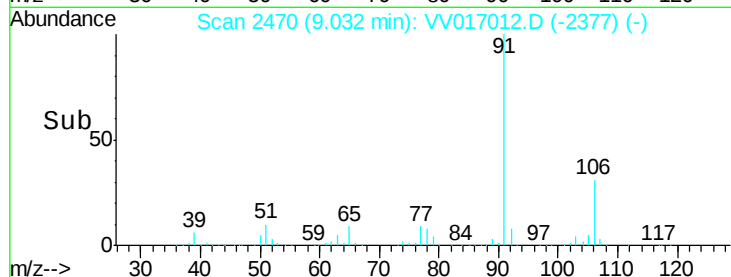
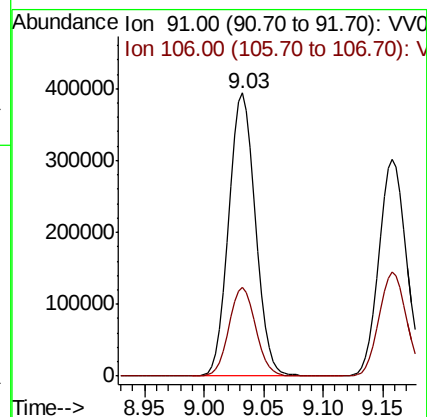
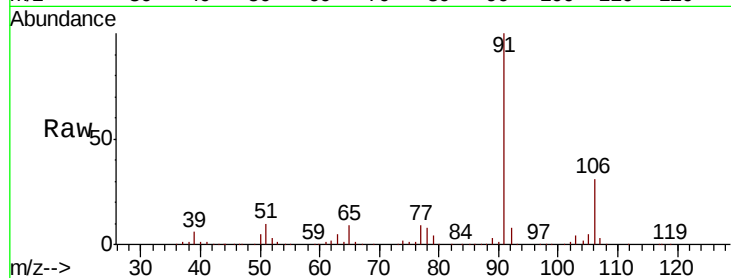




#52
Ethylbenzene
Concen: 53.407 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

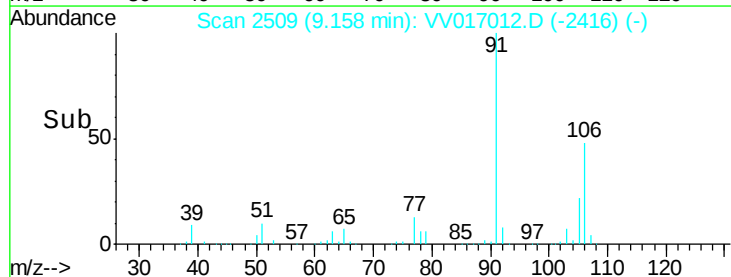
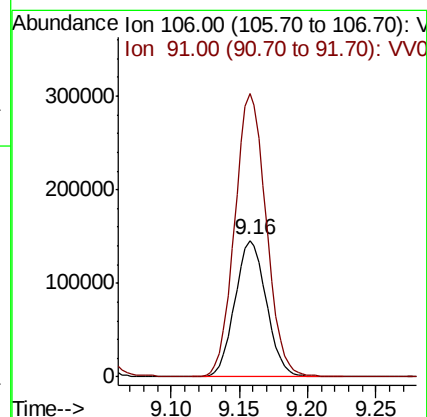
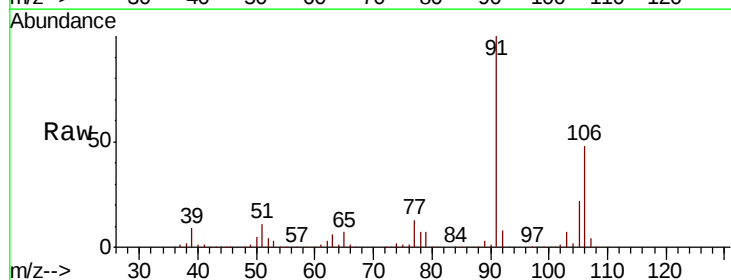
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

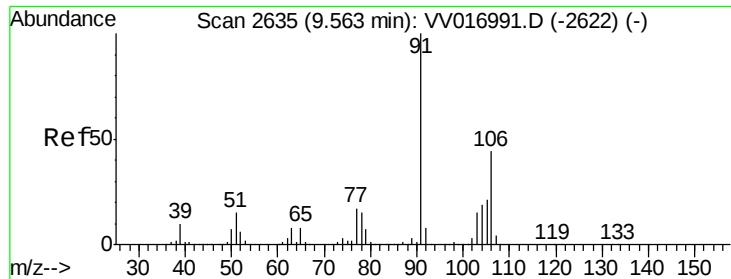
Tot Ion: 91 Resp: 614395
Ion Ratio Lower Upper
91 100
106 31.2 21.1 39.1



#53
m,p-Xylene
Concen: 54.384 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017012.D
Acq: 22 Jun 2020 10:44

Tgt Ion: 106 Resp: 232940
Ion Ratio Lower Upper
106 100
91 207.6 144.6 268.6





#54

o-xylene

Concen: 54.277 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

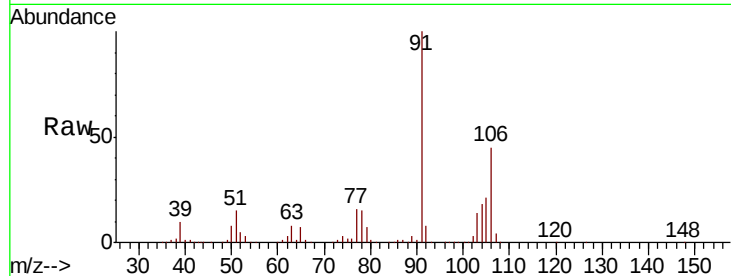
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion:106 Resp: 229286

Ion Ratio Lower Upper

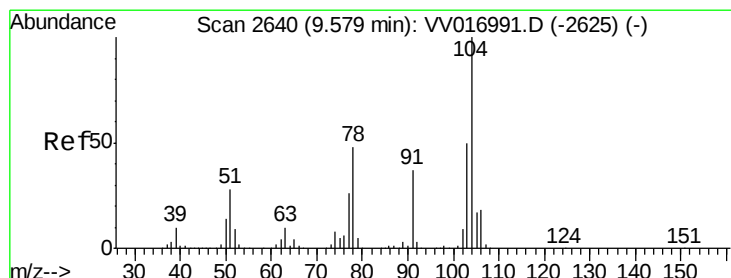
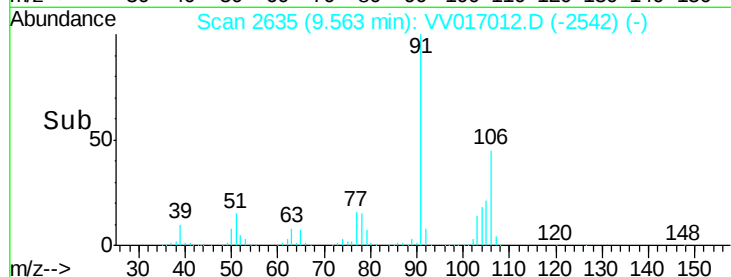
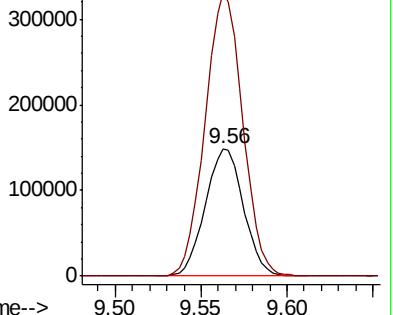
106 100

91 222.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.411 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017012.D

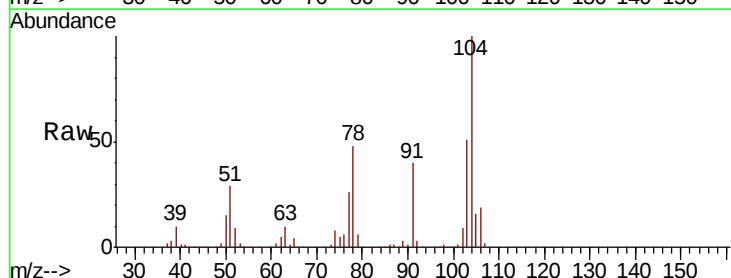
Acq: 22 Jun 2020 10:44

Tgt Ion:104 Resp: 395752

Ion Ratio Lower Upper

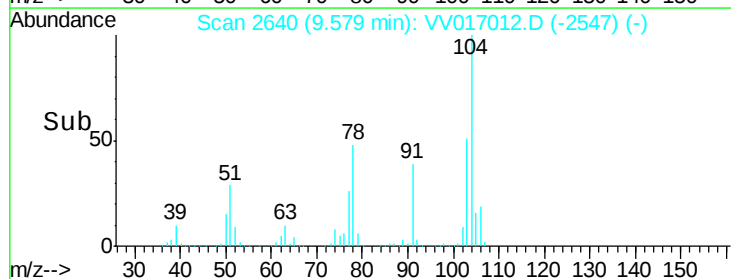
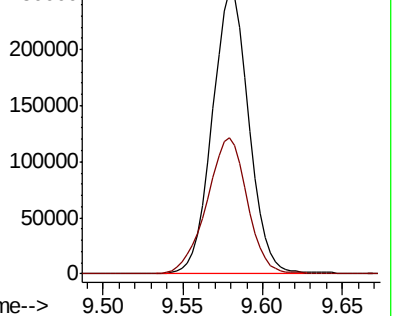
104 100

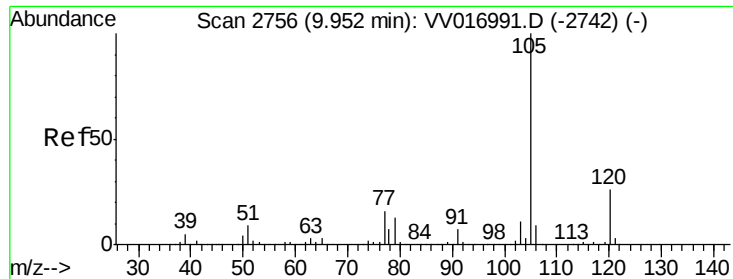
78 48.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.667 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

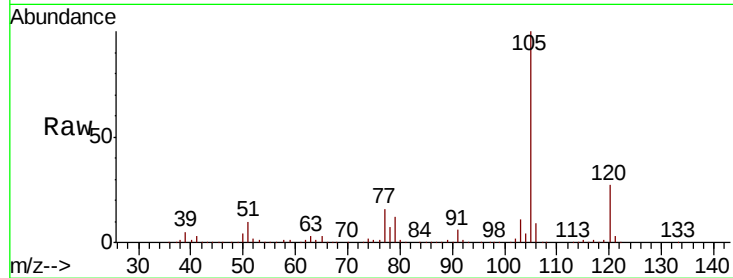
Tot Ion:105 Resp: 620519

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

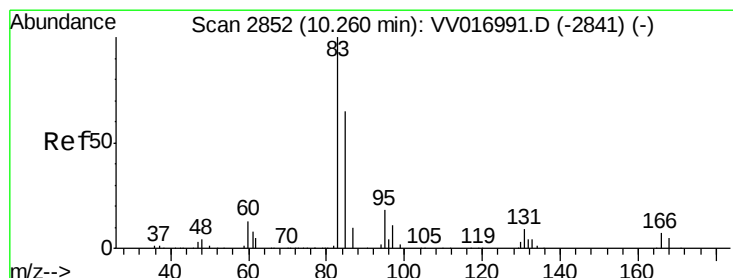
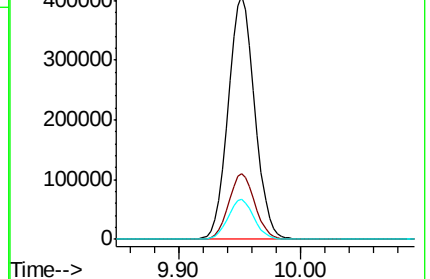
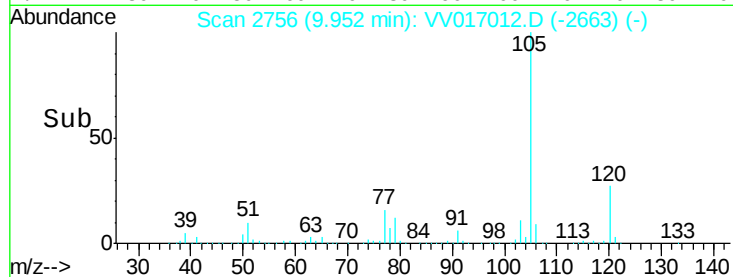
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.236 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

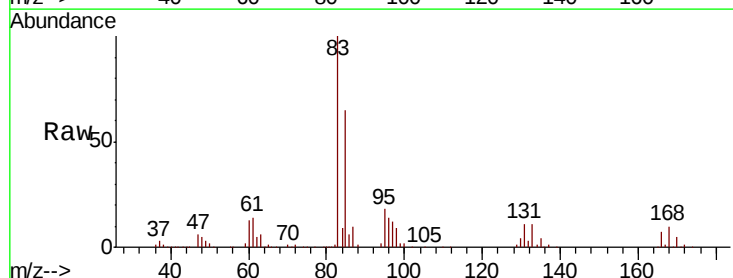
Tgt Ion: 83 Resp: 194182

Ion Ratio Lower Upper

83 100

85 64.8 46.8 86.8

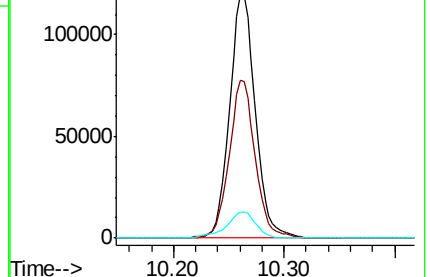
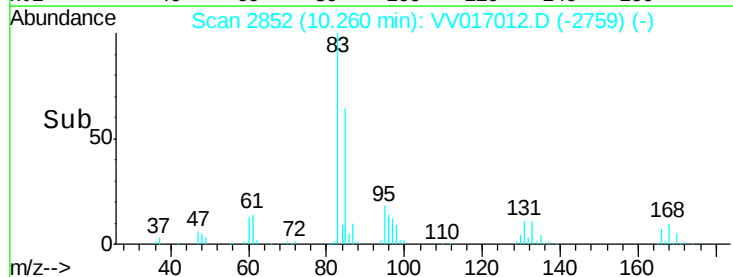
131 10.6 7.9 11.9

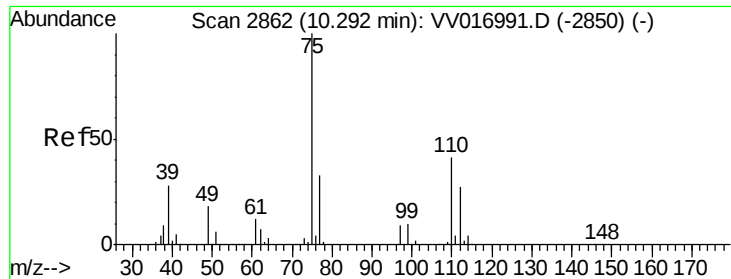


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.077 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

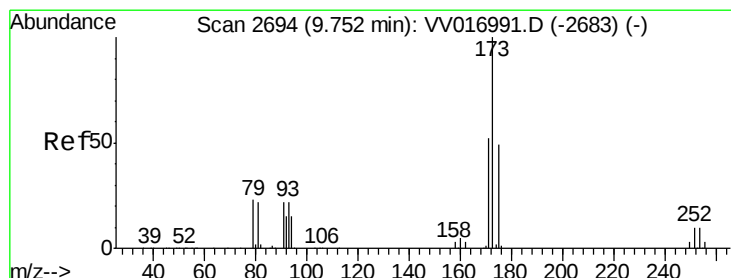
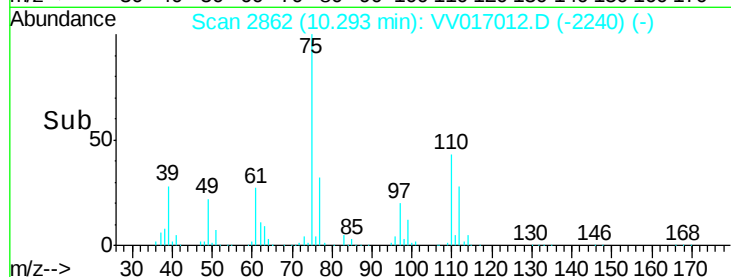
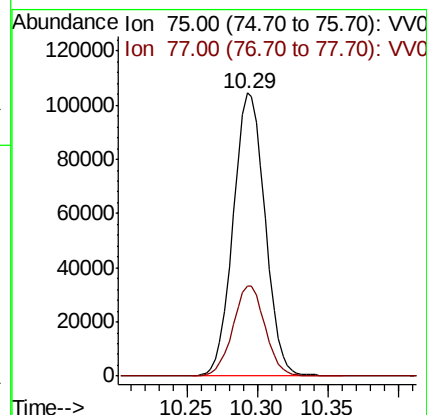
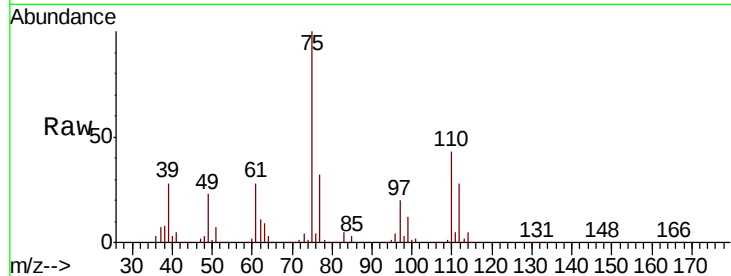
VSTD05068

Tot Ion: 75 Resp: 165549

Ion Ratio Lower Upper

75 100

77 31.8 26.1 39.1



#61

Bromoform

Concen: 59.159 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

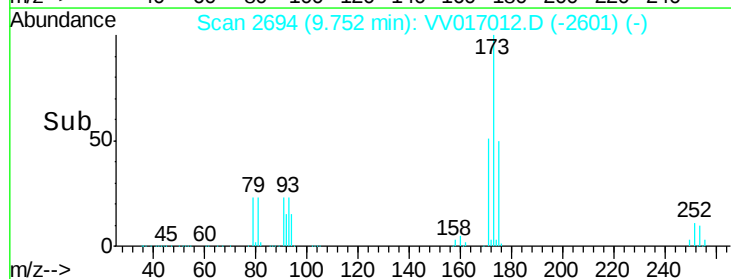
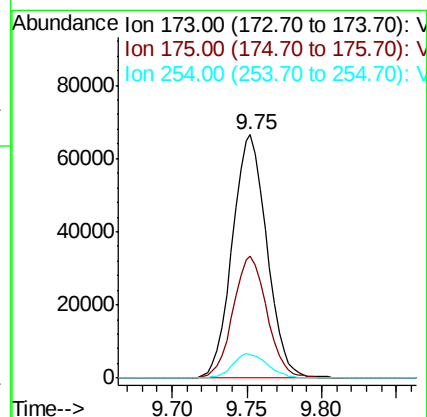
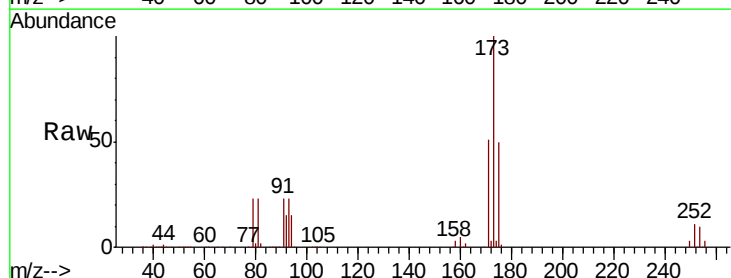
Tgt Ion: 173 Resp: 107044

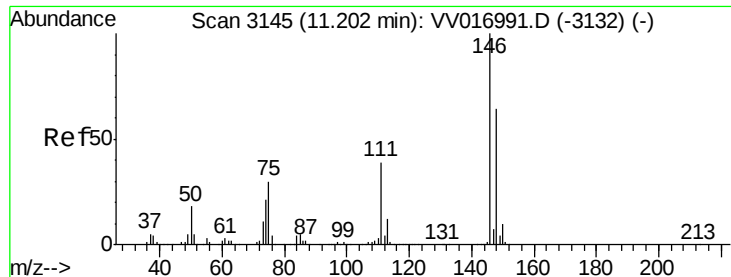
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 10.1 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 53.897 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

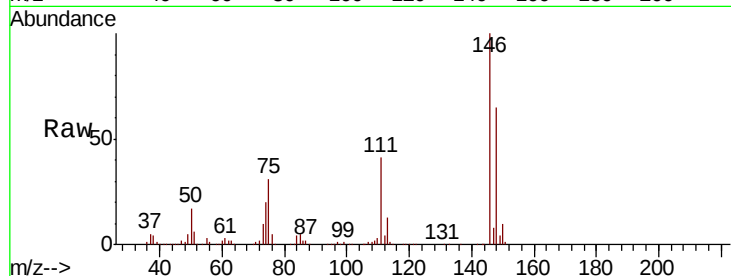
Tot Ion:146 Resp: 300304

Ion Ratio Lower Upper

146 100

111 40.5 28.3 52.7

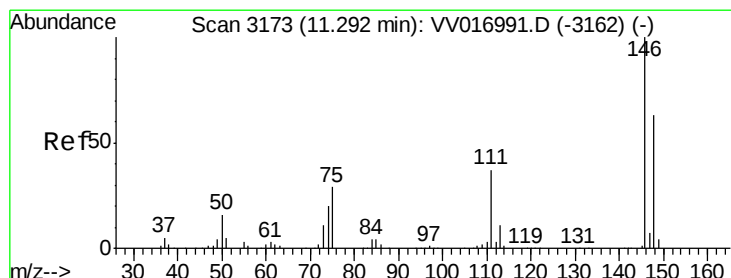
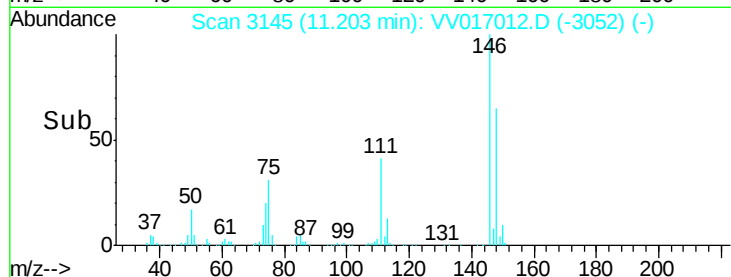
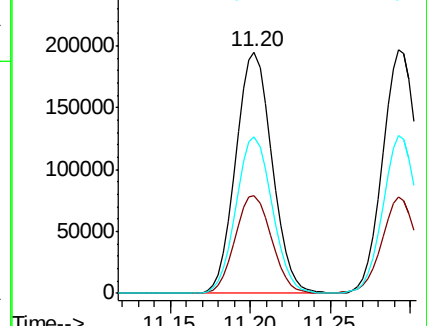
148 65.0 44.2 82.2



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: 53.764 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

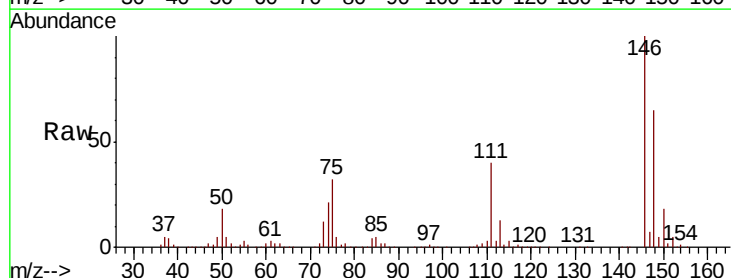
Tgt Ion:146 Resp: 304796

Ion Ratio Lower Upper

146 100

111 39.8 26.7 49.7

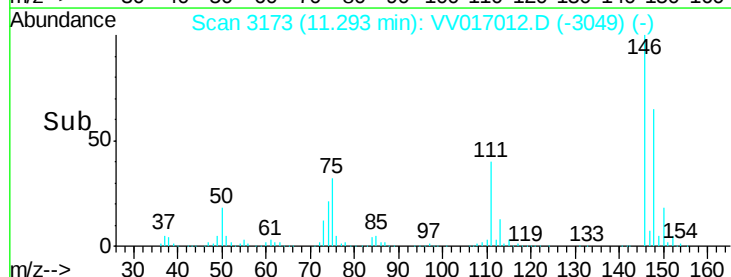
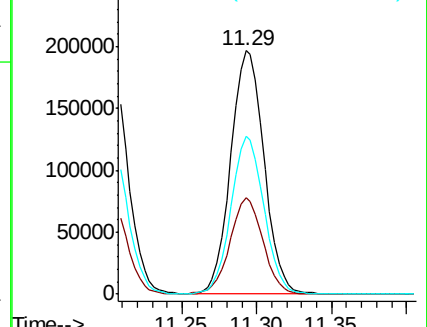
148 64.9 43.5 80.9

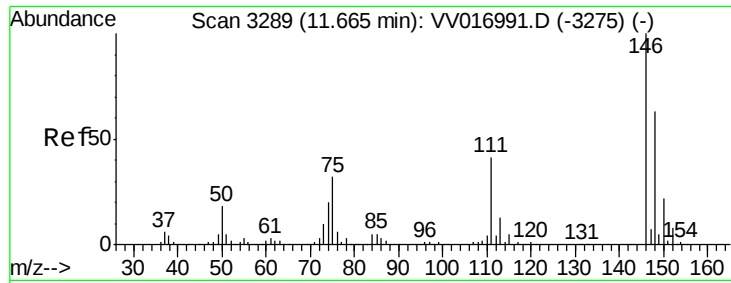


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.826 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

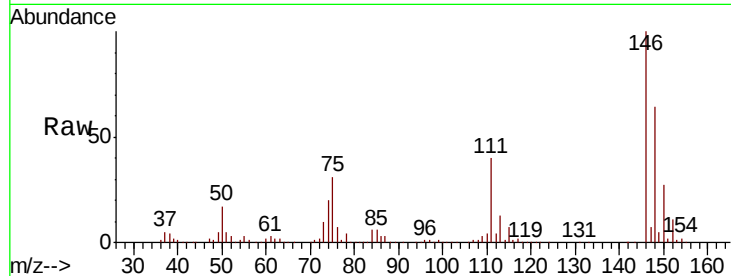
Tot Ion:146 Resp: 306135

Ion Ratio Lower Upper

146 100

111 40.5 33.7 50.5

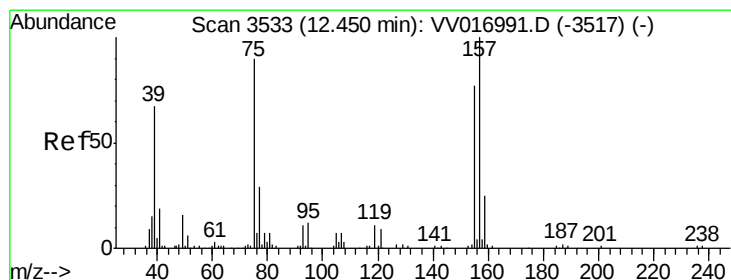
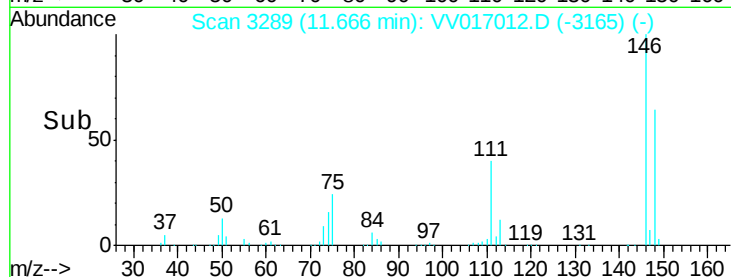
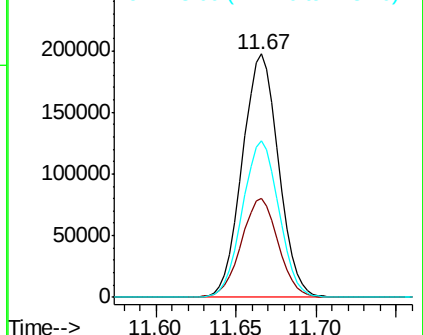
148 64.4 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.081 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

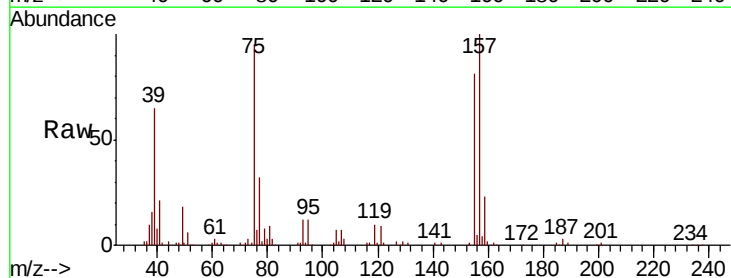
Tgt Ion: 75 Resp: 43971

Ion Ratio Lower Upper

75 100

155 85.4 69.8 104.6

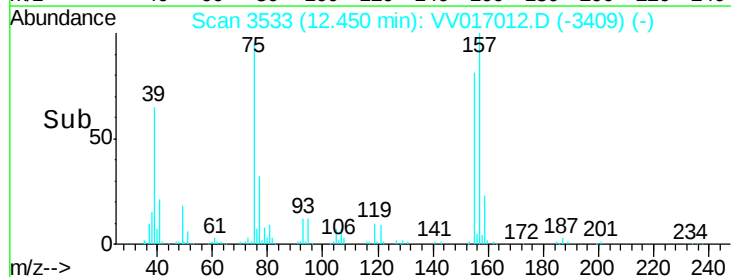
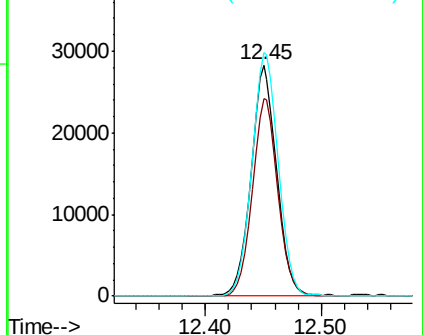
157 105.3 83.4 125.2

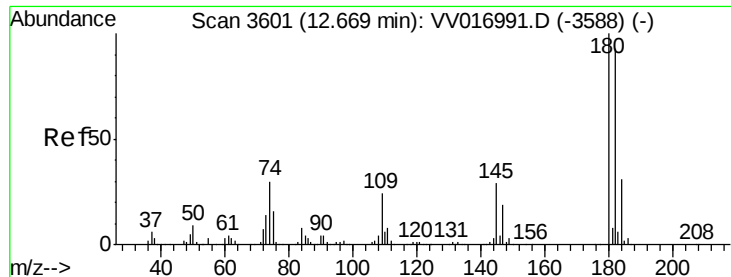


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

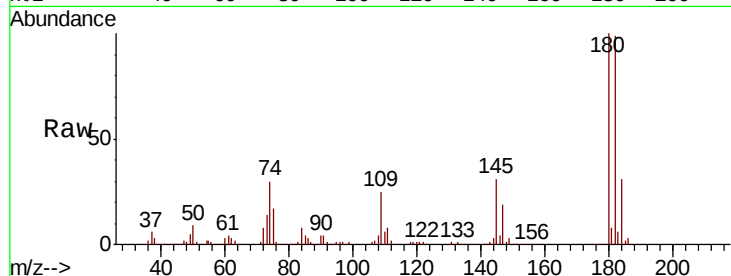




#67
 1,3,5-Trichlorobenzene
 Concen: 55.184 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.6
184	30.3	24.5	36.7
145	30.6	24.4	36.6

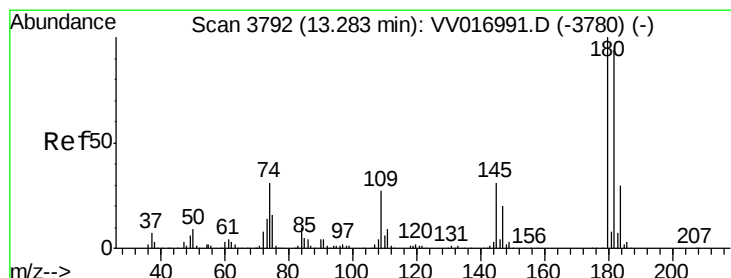
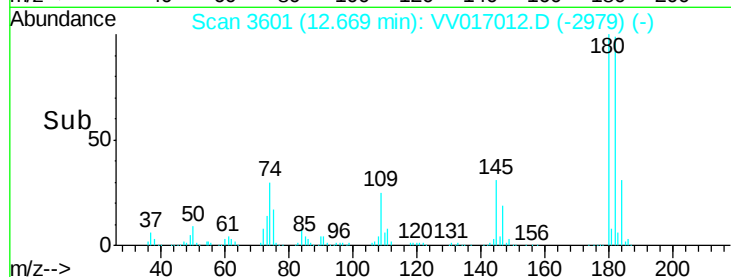
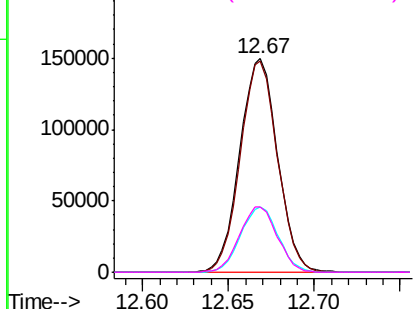


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

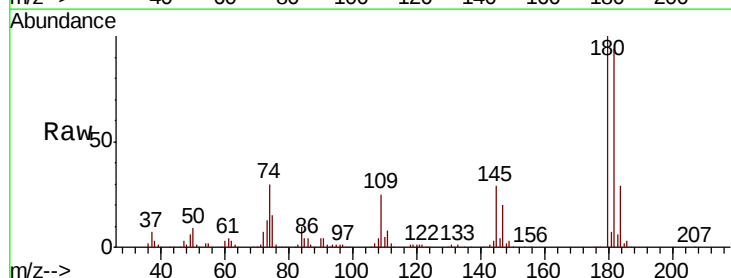
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.468 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017012.D
 Acq: 22 Jun 2020 10:44

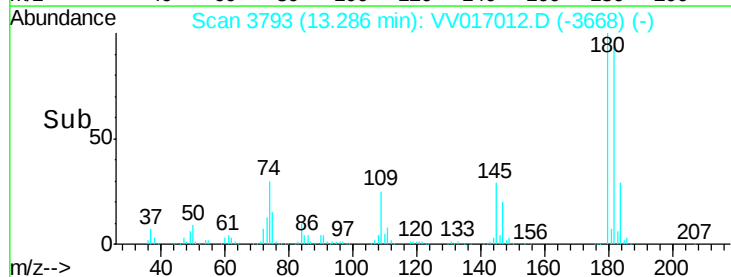
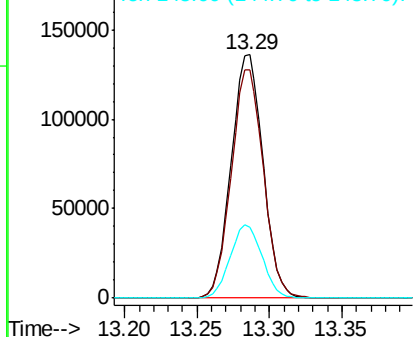
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	30.4	25.2	37.8

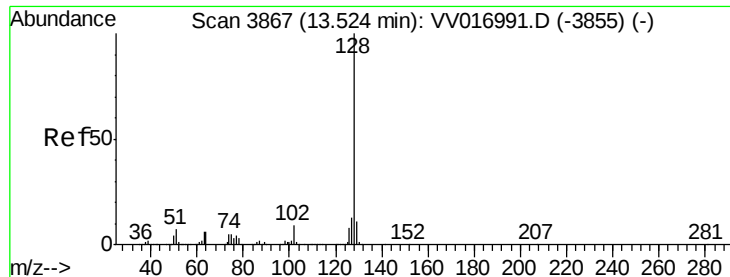


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.207 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

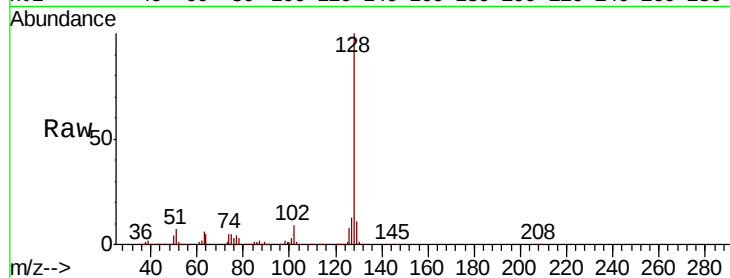
Tot Ion:128 Resp: 594230

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

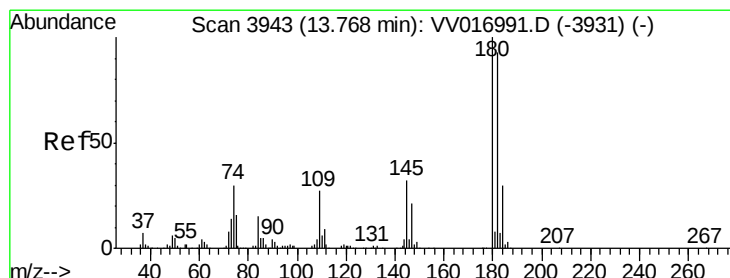
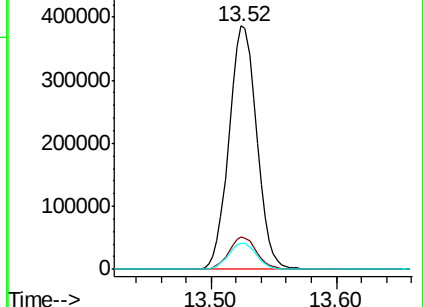
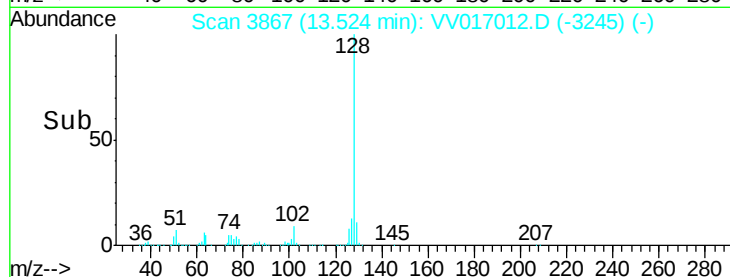
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.553 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017012.D

Acq: 22 Jun 2020 10:44

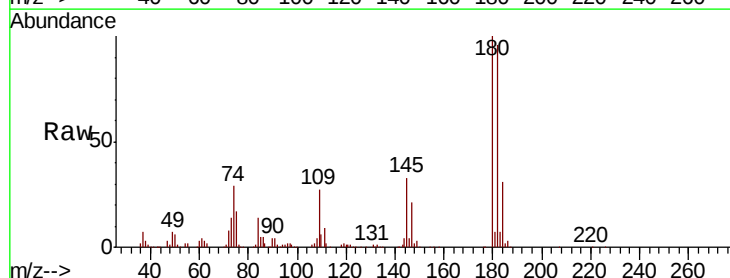
Tgt Ion:180 Resp: 203421

Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

145 32.8 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

