

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015623.D
 Acq On : 22 Apr 2020 15:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 02:49:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 02:43:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138813	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132881	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	69214	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35142	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.58	69	33231	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	77160	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.94	46	120688	51.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.62%
24) Chloroform-d	4.38	84	83584	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.06	65	46256	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.07	84	157455	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.09	67	49963	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.34	98	150265	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.64	79	19779	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.11	63	98517	51.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36741	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	56247	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	60928	5.124	ug/L 99
3) Chloromethane	1.25	50	53305	5.182	ug/L 99
5) Vinyl chloride	1.32	62	55471	5.049	ug/L 100
6) Bromomethane	1.53	94	25801	5.470	ug/L 97
8) Chloroethane	1.59	64	33380	4.626	ug/L 99
9) Trichlorofluoromethane	1.76	101	78237	5.075	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44537	5.106	ug/L 97
12) 1,1-Dichloroethene	2.13	96	41326	5.115	ug/L 95
13) Acetone	2.22	43	80718	49.905	ug/L 99
14) Carbon disulfide	2.31	76	119264	5.222	ug/L 99
15) Methyl Acetate	2.46	43	19889	5.171	ug/L 96
16) Methylene chloride	2.52	84	49599	4.973	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	117114	5.164	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	47092	5.206	ug/L 98
19) 1,1-Dichloroethane	3.21	63	90621	5.102	ug/L 99
21) 2-Butanone	4.02	43	128909	51.671	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	51433	5.142	ug/L 97

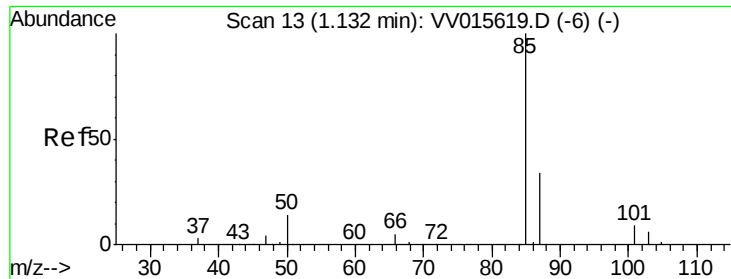
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015623.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 02:43:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20905	5.117	ug/L	97
25) Chloroform	4.40	83	95458	5.062	ug/L	99
27) 1,2-Dichloroethane	5.16	62	61416	4.957	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	85137	5.052	ug/L	100
30) Cyclohexane	4.70	56	82437	5.120	ug/L	99
31) Carbon tetrachloride	4.85	117	70869	5.078	ug/L	97
33) Benzene	5.13	78	193089	5.086	ug/L	100
34) Trichloroethene	5.94	95	53126	5.067	ug/L	97
35) Methylcyclohexane	6.15	83	82135	5.104	ug/L	99
37) 1,2-Dichloropropane	6.20	63	50752	5.259	ug/L	98
38) Bromodichloromethane	6.53	83	62085	5.067	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	70621	5.250	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	319513	51.016	ug/L	99
42) Toluene	7.41	91	207912	5.125	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	59939	5.303	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	33620	5.112	ug/L	99
47) Tetrachloroethene	8.00	164	38611	5.115	ug/L	96
48) 2-Hexanone	8.16	43	234412	52.486	ug/L	100
49) Dibromochloromethane	8.27	129	35610	5.231	ug/L	96
50) 1,2-Dibromoethane	8.37	107	30823	5.067	ug/L	99
51) Chlorobenzene	8.90	112	133700	5.031	ug/L	99
52) Ethylbenzene	9.03	91	240290	5.119	ug/L	99
53) m,p-xylene	9.16	106	90273	5.250	ug/L	100
54) o-xylene	9.57	106	85788	5.156	ug/L	98
55) Styrene	9.58	104	146622	5.193	ug/L	99
56) Isopropylbenzene	9.95	105	238993	5.120	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39363	5.125	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	30995	5.031	ug/L	97
61) Bromoform	9.75	173	15697	5.494	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	111048	5.069	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	109775	4.969	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	98544	4.974	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6644	5.147	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	80960	5.001	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	73026	4.901	ug/L	98
69) Naphthalene	13.53	128	131012	4.913	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	64867	4.933	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.124 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

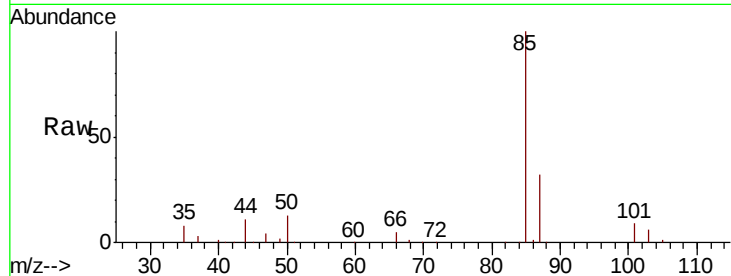
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 60928

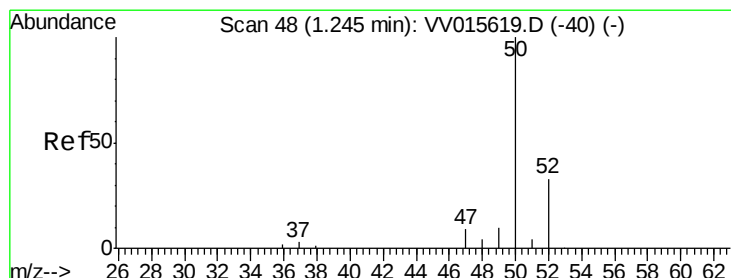
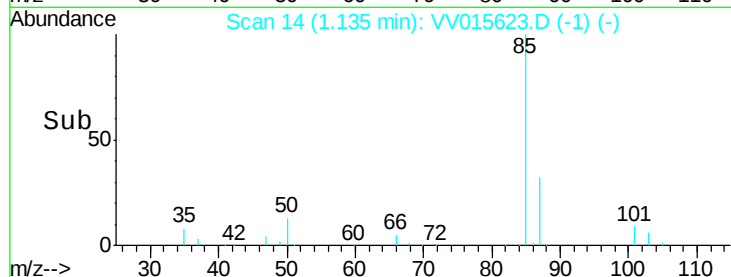
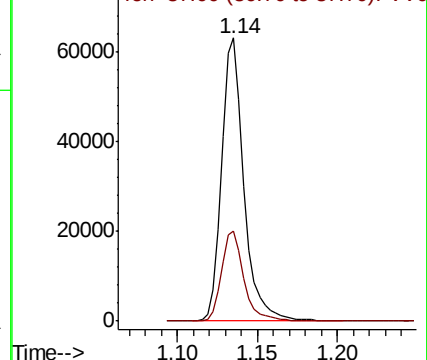
Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.182 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015623.D

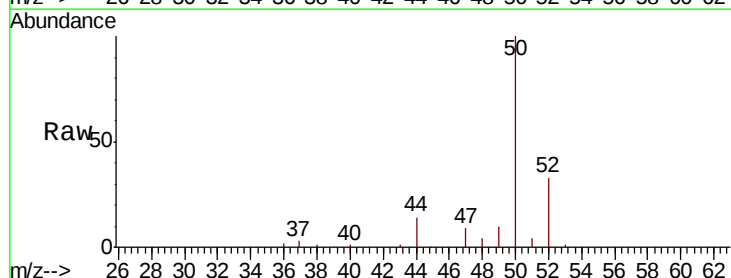
Acq: 22 Apr 2020 15:41

Tgt Ion: 50 Resp: 53305

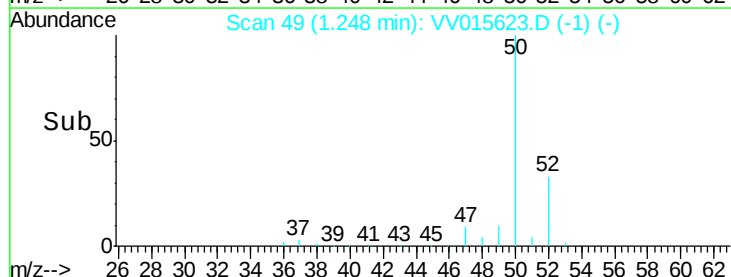
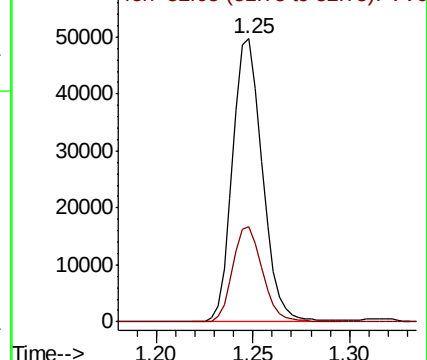
Ion Ratio Lower Upper

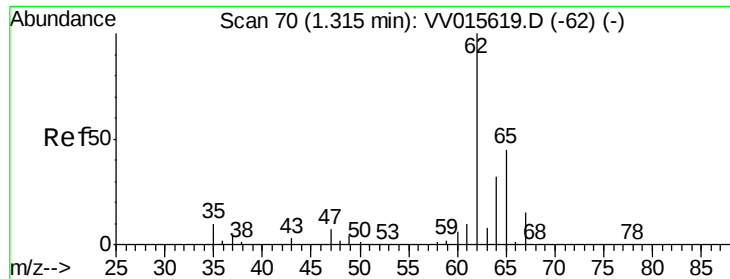
50 100

52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.049 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

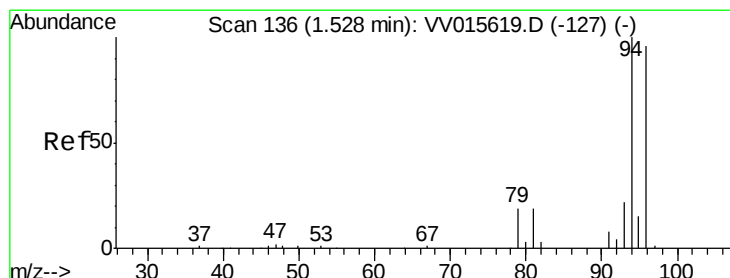
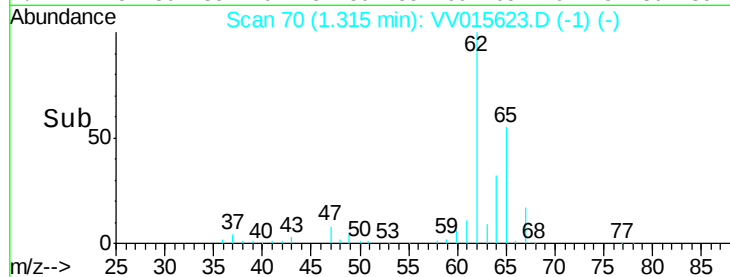
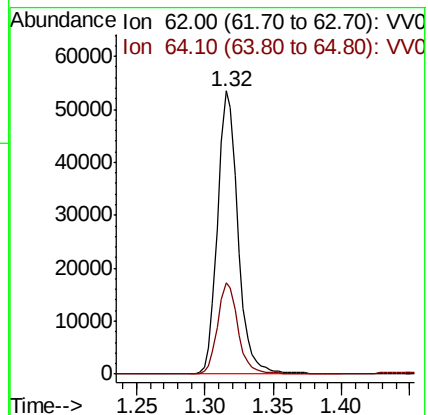
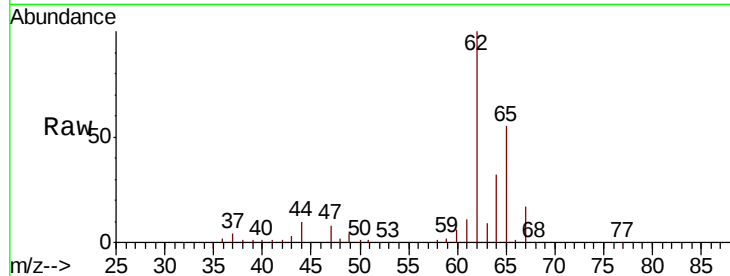
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 55471

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



#6

Bromomethane

Concen: 5.470 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015623.D

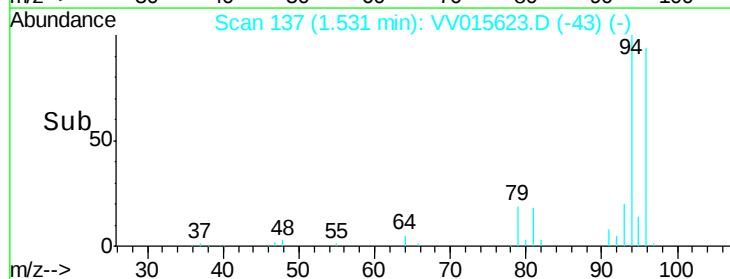
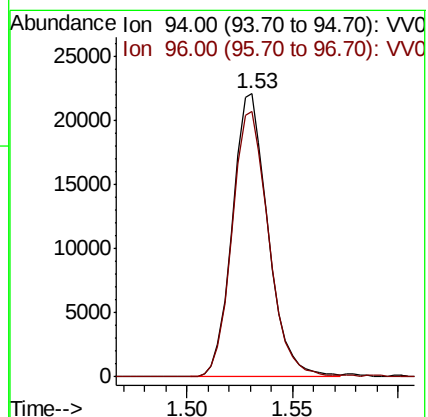
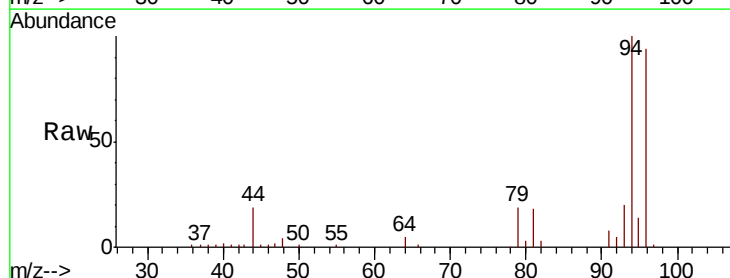
Acq: 22 Apr 2020 15:41

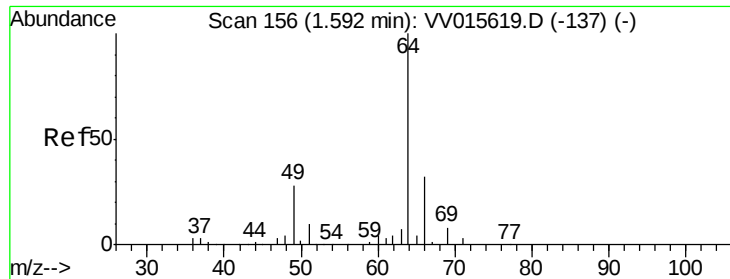
Tgt Ion: 94 Resp: 25801

Ion Ratio Lower Upper

94 100

96 93.7 67.3 125.1





#8

Chloroethane

Concen: 4.626 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

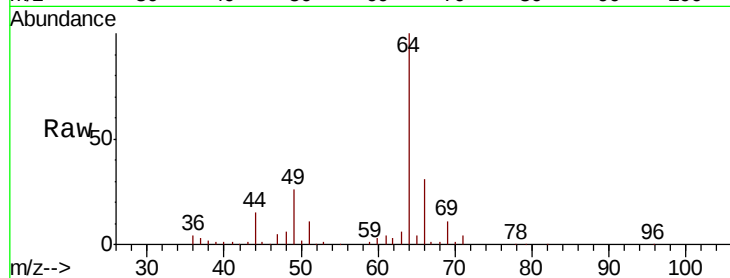
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33380

Ion Ratio Lower Upper

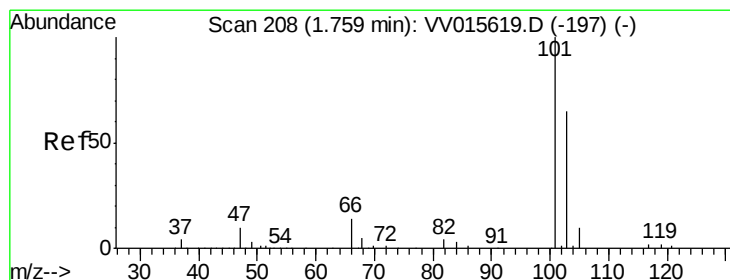
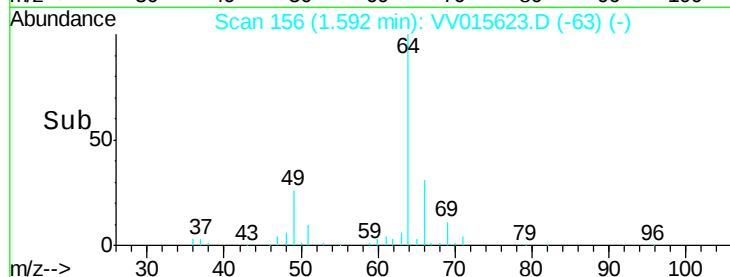
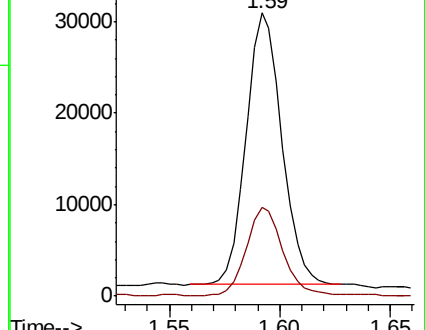
64 100

66 31.2 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015619.D (-137) (-)

Ion 66.05 (65.75 to 66.75): VV015619.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 5.075 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015623.D

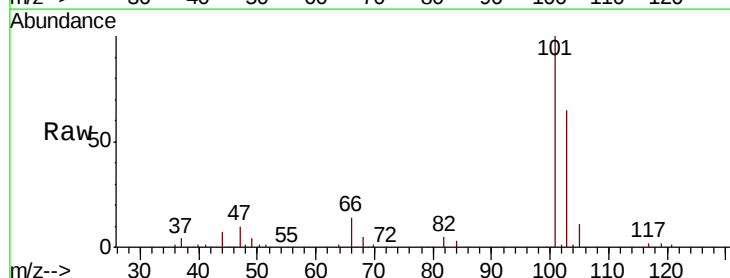
Acq: 22 Apr 2020 15:41

Tgt Ion:101 Resp: 78237

Ion Ratio Lower Upper

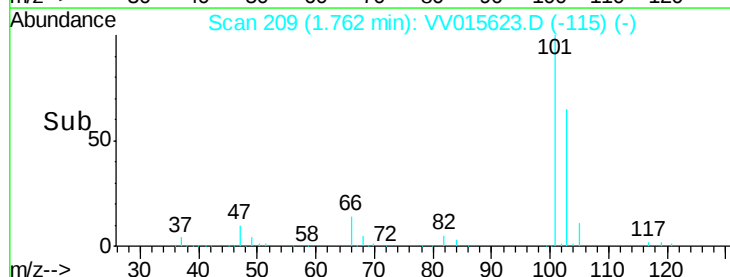
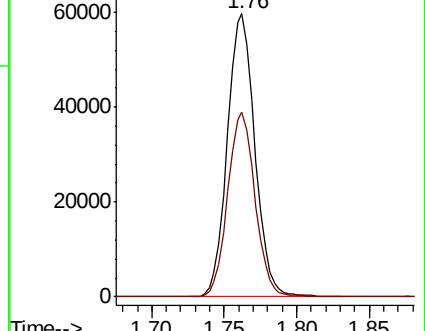
101 100

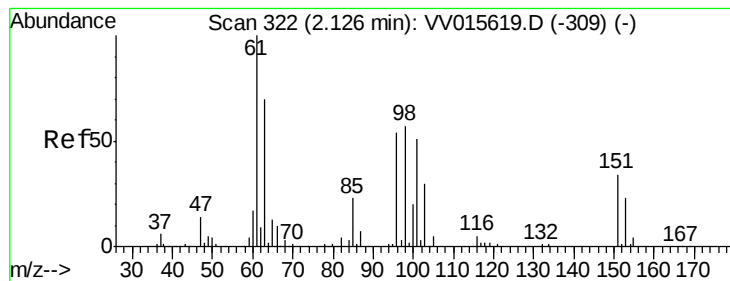
103 65.0 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015619.D (-197) (-)





#10

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

Concen: 5.106 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

ClientSampled :

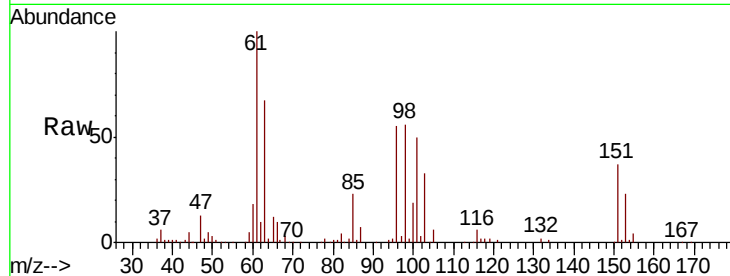
Tot Ion:101 Resp: 44537

Ion Ratio Lower Upper

101 100

85 45.6 36.1 54.1

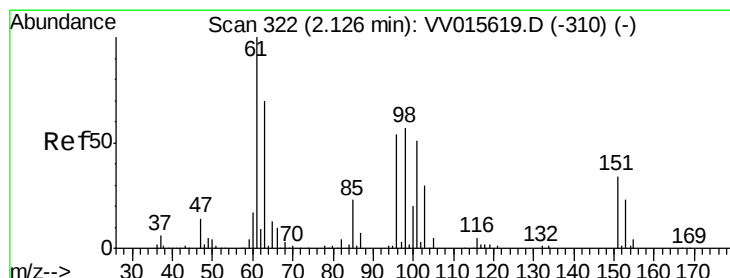
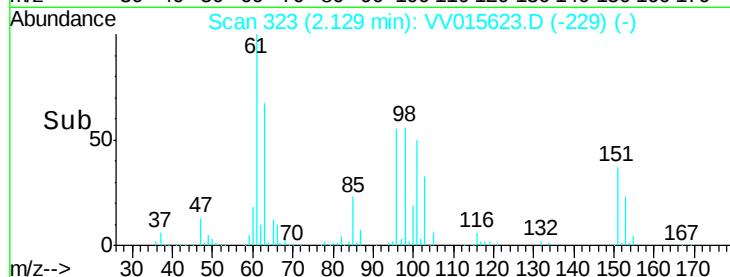
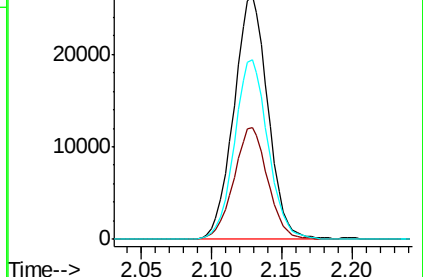
151 72.7 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015623.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015623.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015623.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.115 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

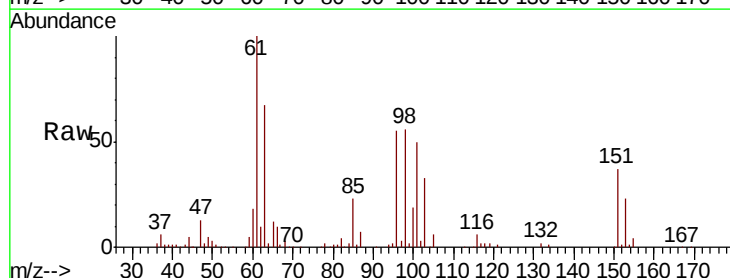
Tgt Ion: 96 Resp: 41326

Ion Ratio Lower Upper

96 100

61 181.6 130.1 241.7

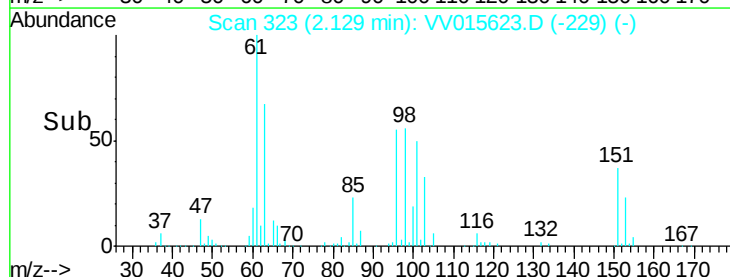
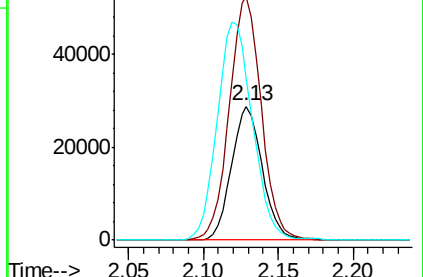
63 120.9 91.4 169.8

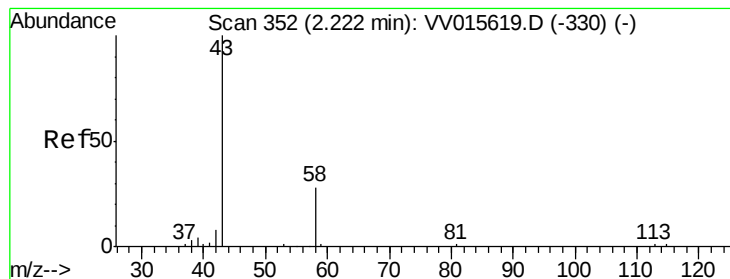


Abundance Ion 96.00 (95.70 to 96.70): VV015623.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015623.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015623.D (-229) (-)





#13

Acetone

Concen: 49.905 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

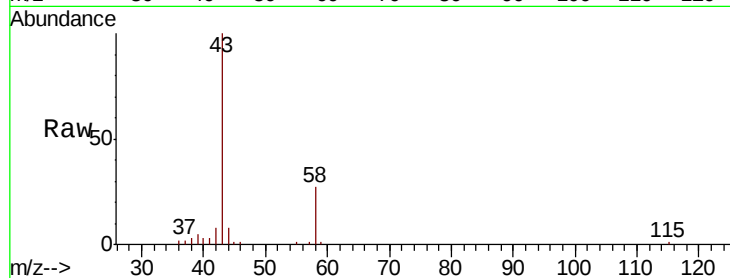
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 80718

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

20000

15000

10000

5000

0

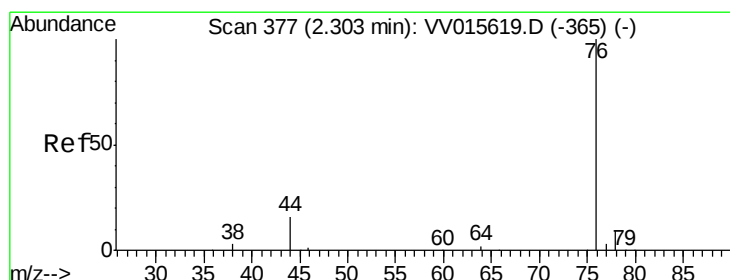
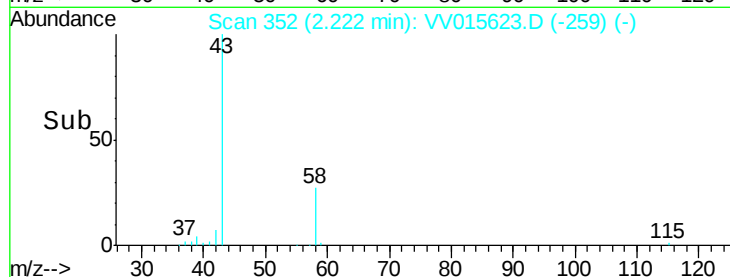
Time-->

2.10

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 5.222 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015623.D

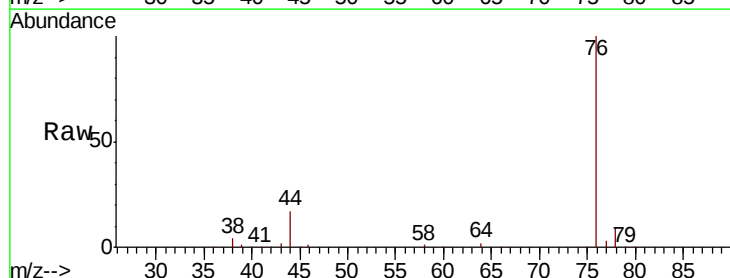
Acq: 22 Apr 2020 15:41

Tgt Ion: 76 Resp: 119264

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

80000

60000

40000

20000

0

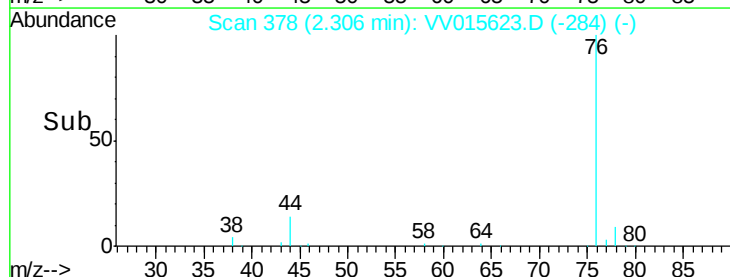
Time-->

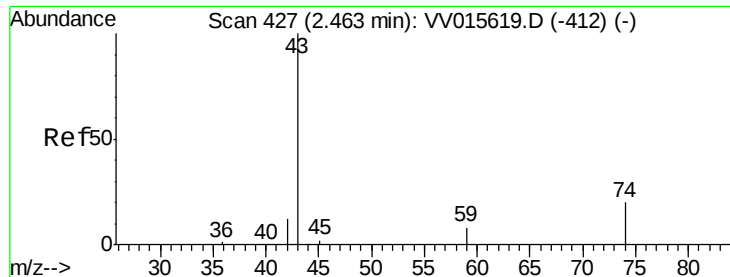
2.25

2.30

2.35

2.40





#15

Methvl Acetate

Concen: 5.171 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

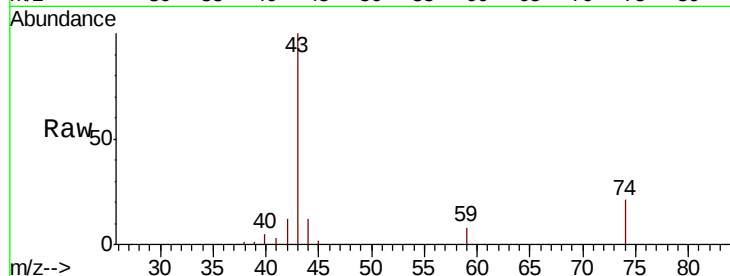
ClientSampleId :

Tot Ion: 43 Resp: 19889

Ion Ratio Lower Upper

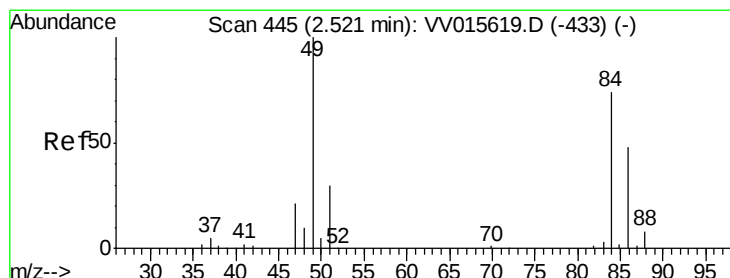
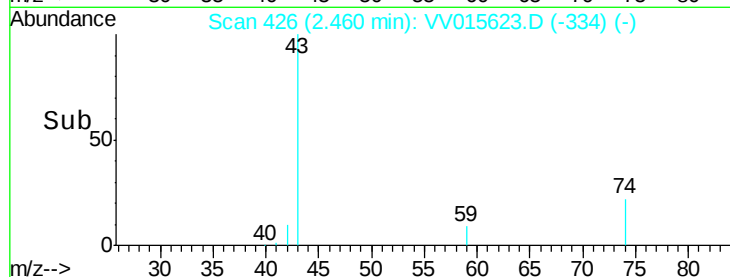
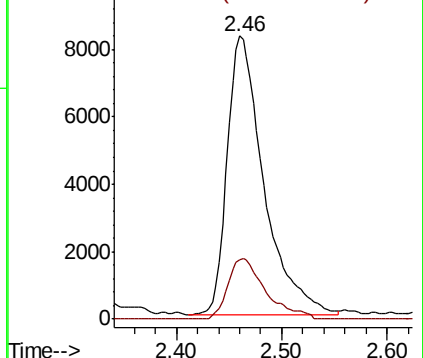
43 100

74 22.4 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.973 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

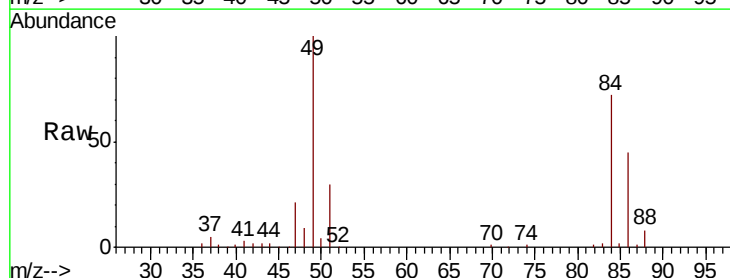
Tgt Ion: 84 Resp: 49599

Ion Ratio Lower Upper

84 100

86 63.1 45.1 83.7

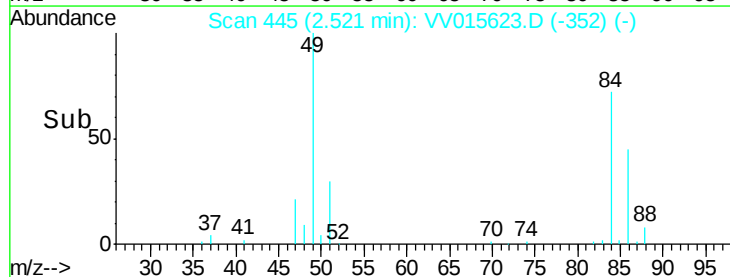
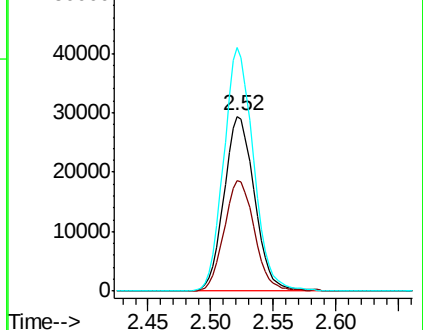
49 139.1 94.4 175.4

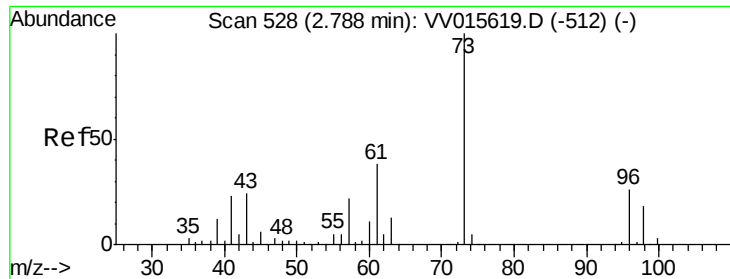


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

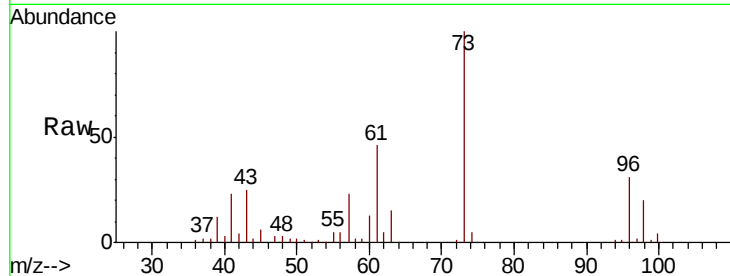




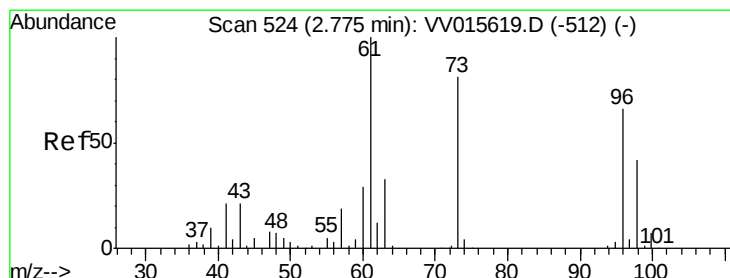
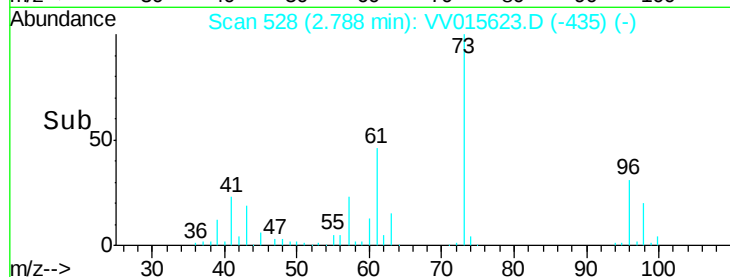
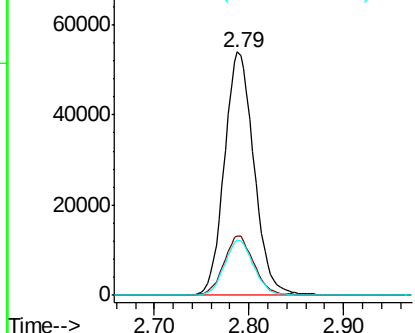
#17
Methvl tert-butvl Ether
Concen: 5.164 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 117114
Ion Ratio Lower Upper
73 100
43 24.2 20.1 30.1
57 22.6 17.8 26.8

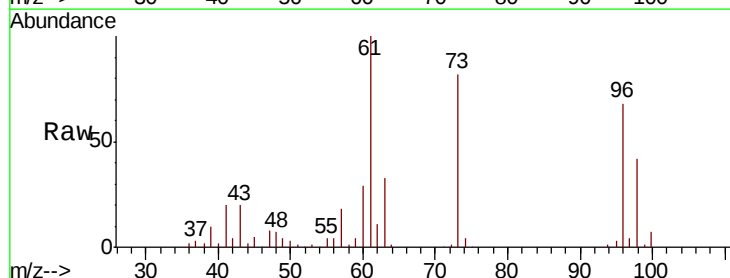


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

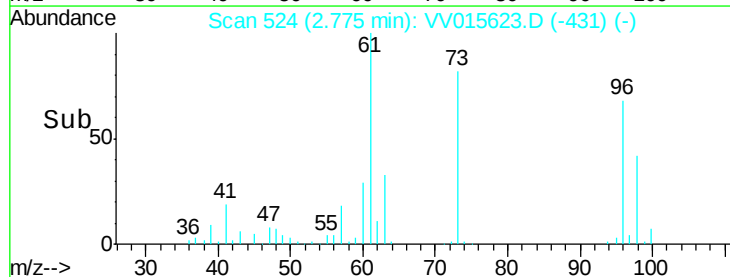
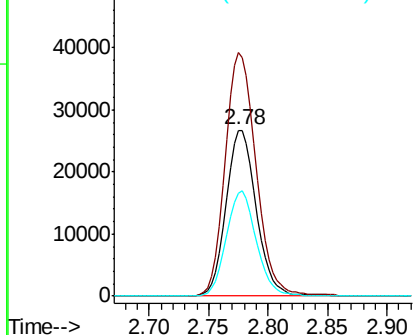


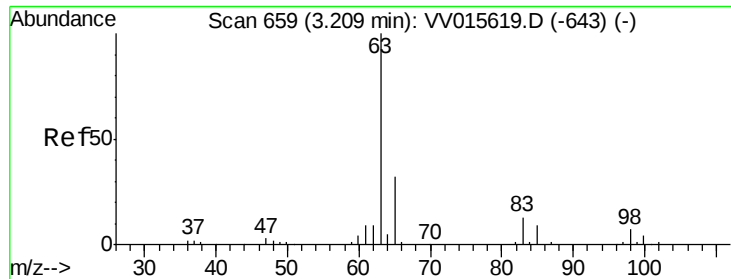
#18
trans-1,2-Dichloroethene
Concen: 5.206 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion: 96 Resp: 47092
Ion Ratio Lower Upper
96 100
61 147.0 105.5 195.9
98 62.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

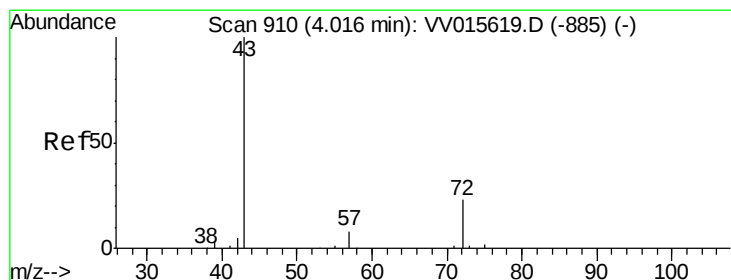
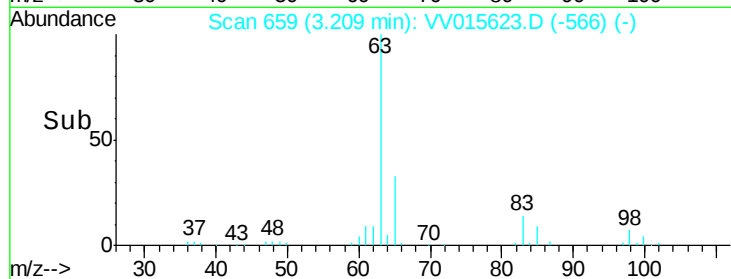
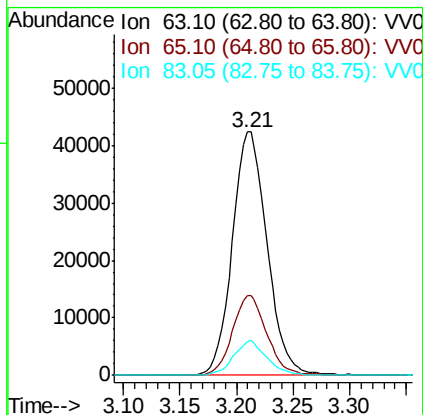
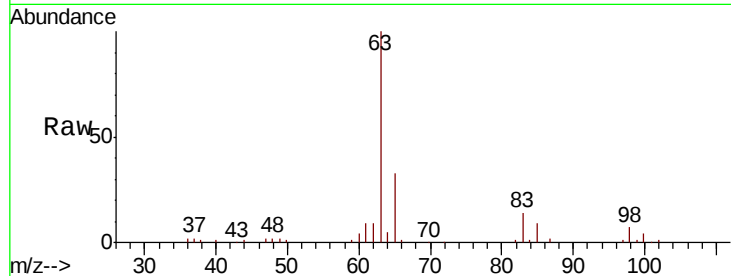




#19
 1,1-Dichloroethane
 Concen: 5.102 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

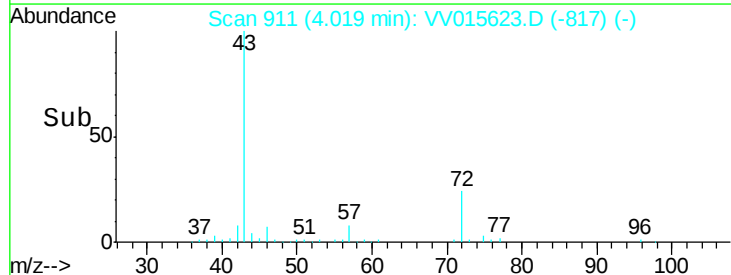
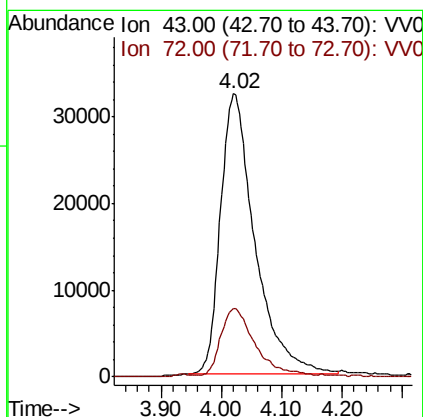
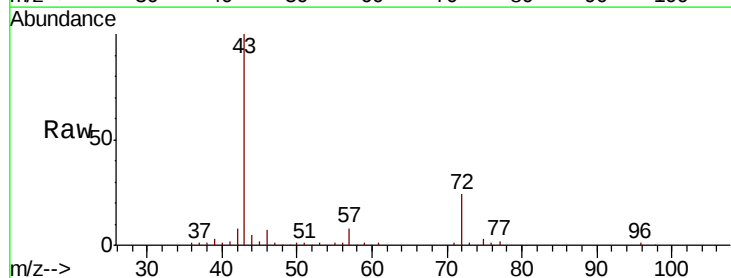
Instrument :
 MSVOA_V
 ClientSampled :

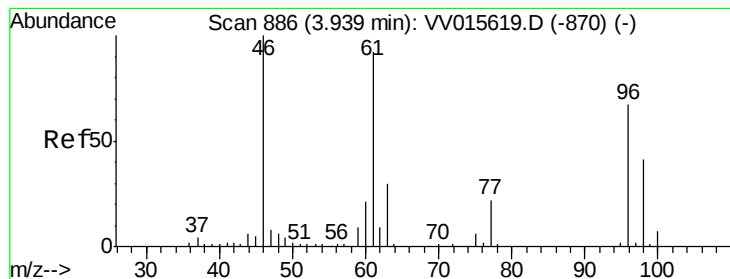
Tot Ion: 63 Resp: 90621
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.3 41.3
 83 13.7 9.3 17.3



#21
 2-Butanone
 Concen: 51.671 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Tgt Ion: 43 Resp: 128909
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.3 36.9



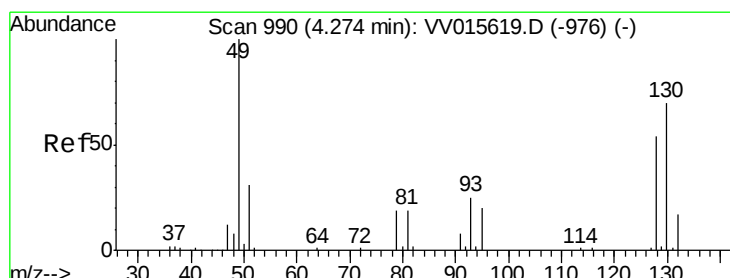
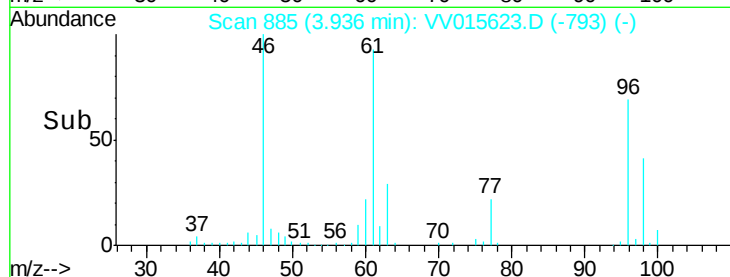
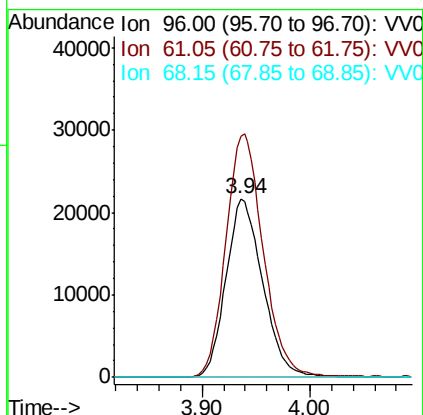
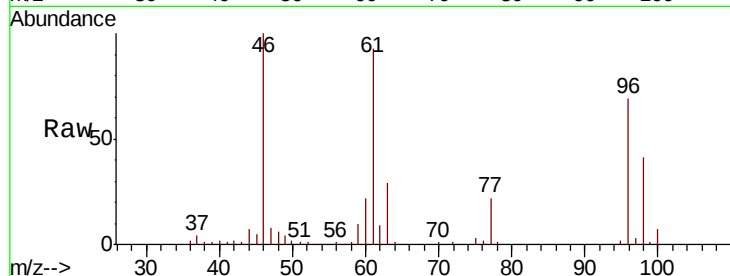


#22

cis-1,2-Dichloroethene
Concen: 5.142 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampleId :

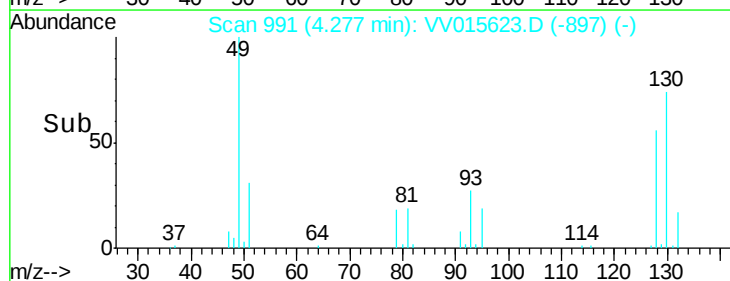
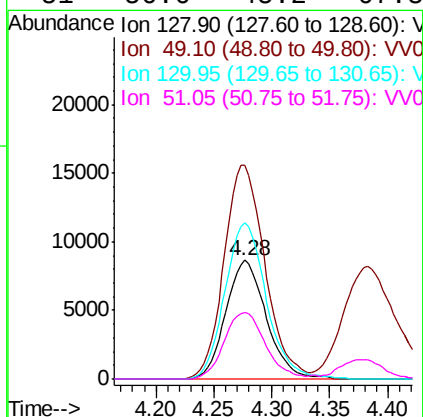
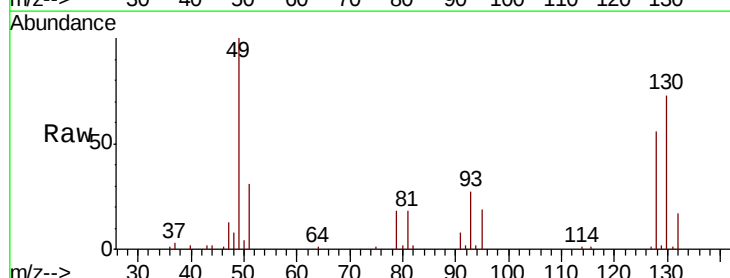
Tot Ion: 96 Resp: 51433
Ion Ratio Lower Upper
96 100
61 134.4 96.4 179.0
68 0.0 0.0 0.0

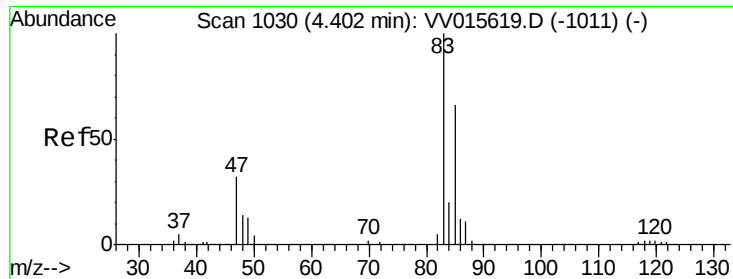


#23

Bromochloromethane
Concen: 5.117 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion: 128 Resp: 20905
Ion Ratio Lower Upper
128 100
49 180.1 130.8 242.8
130 131.3 91.1 169.3
51 56.6 45.2 67.8

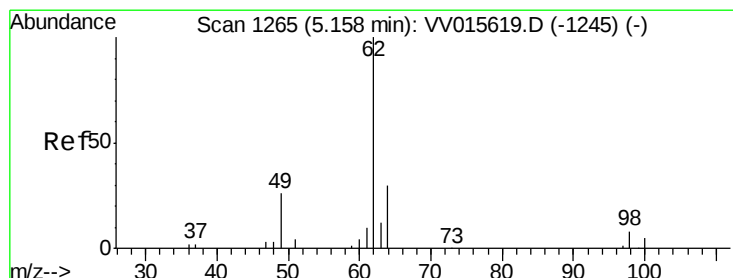
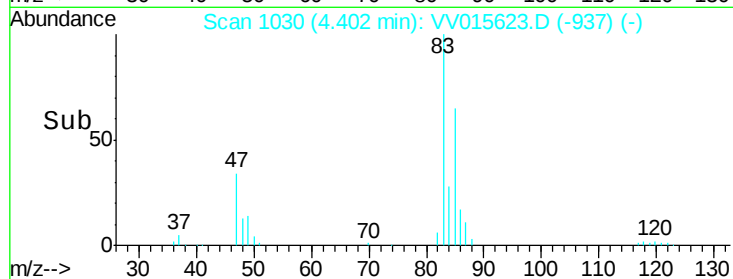
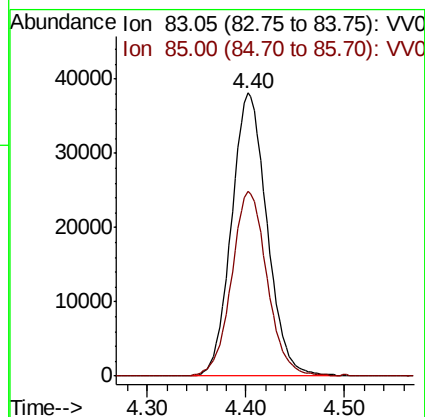
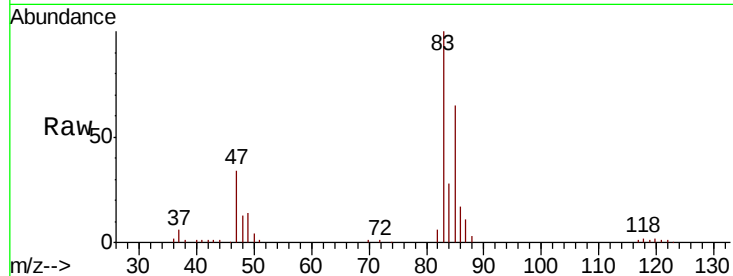




#25
Chloroform
Concen: 5.062 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

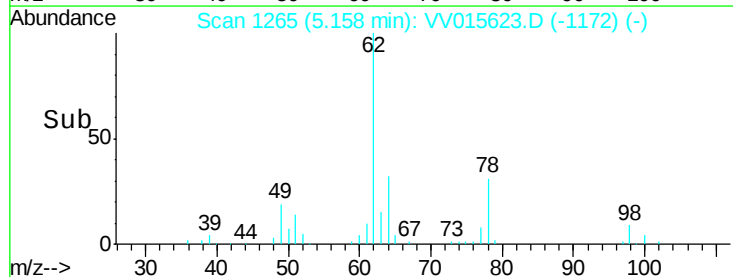
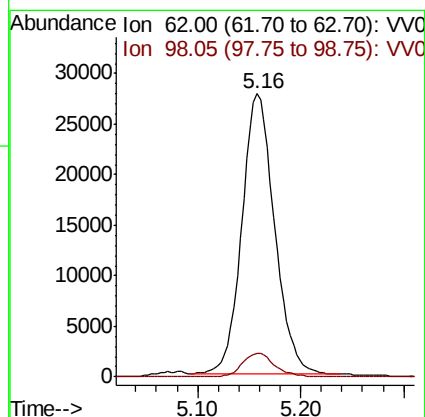
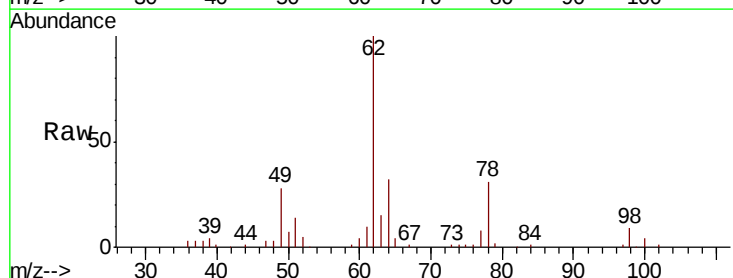
Instrument :
MSVOA_V
ClientSampleId :

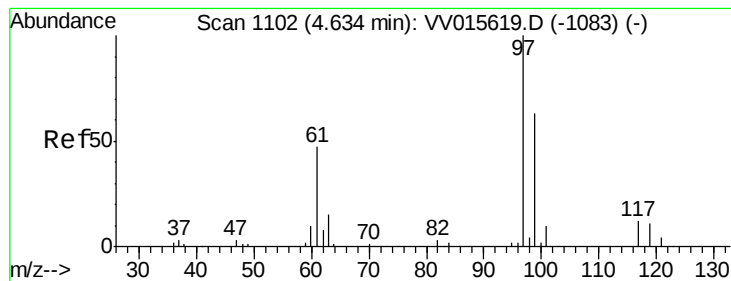
Tot Ion: 83 Resp: 95458
Ion Ratio Lower Upper
83 100
85 65.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 4.957 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion: 62 Resp: 61416
Ion Ratio Lower Upper
62 100
98 8.5 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.052 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

ClientSampleId :

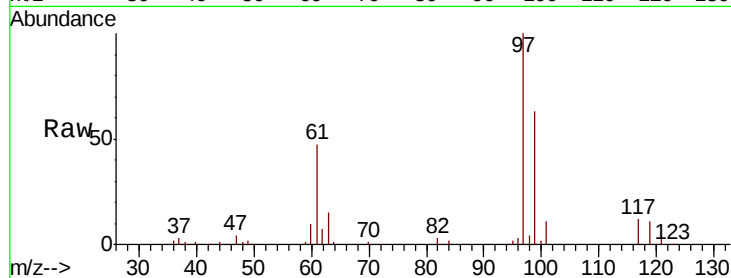
Tot Ion: 97 Resp: 85137

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

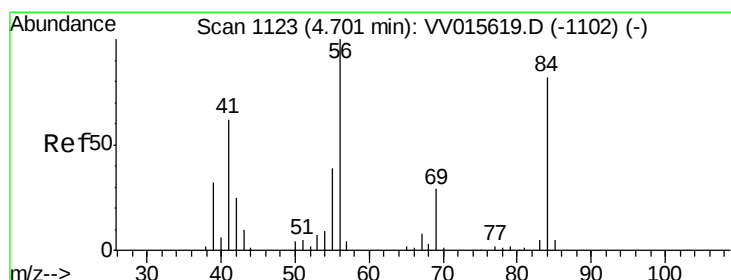
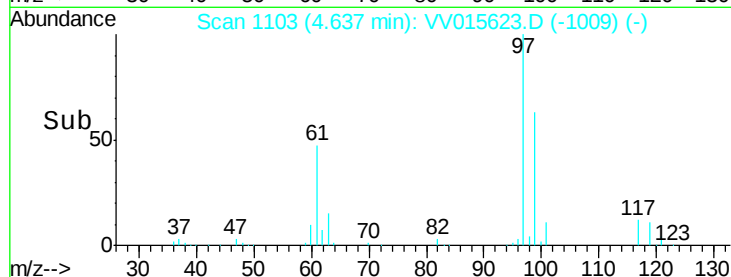
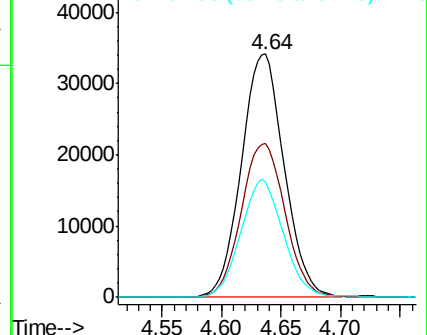
61 48.4 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.120 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

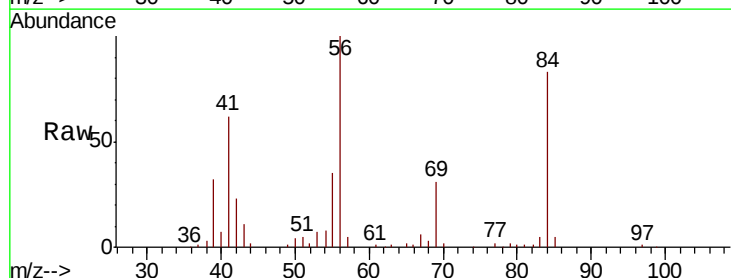
Tgt Ion: 56 Resp: 82437

Ion Ratio Lower Upper

56 100

69 29.8 23.9 35.9

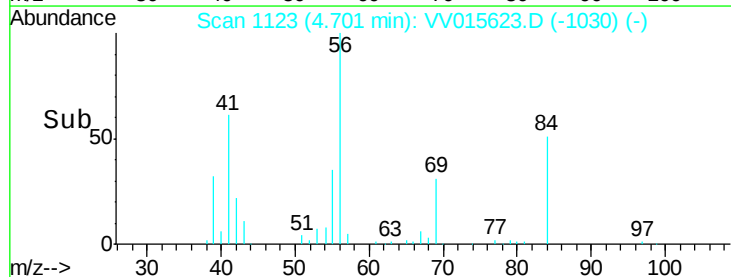
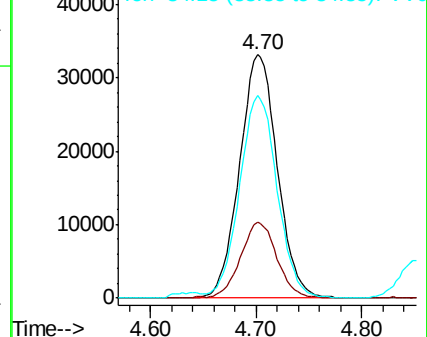
84 83.0 66.9 100.3

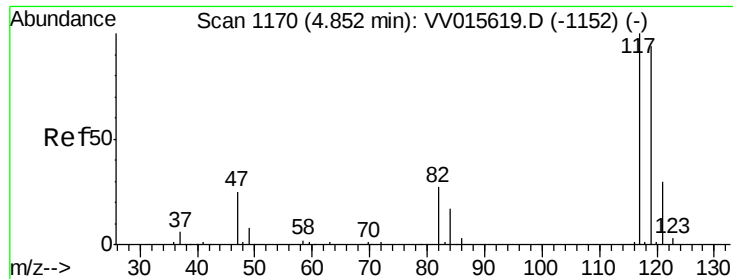


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.078 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

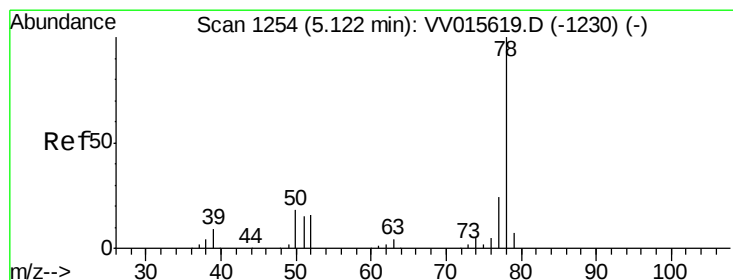
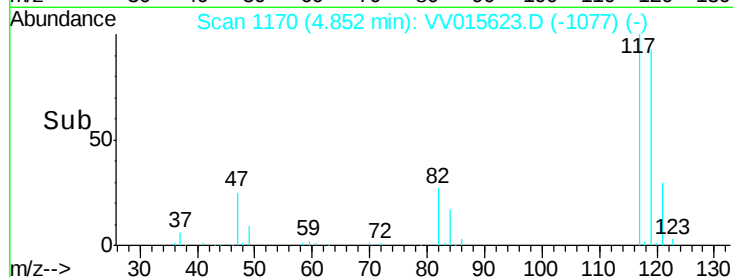
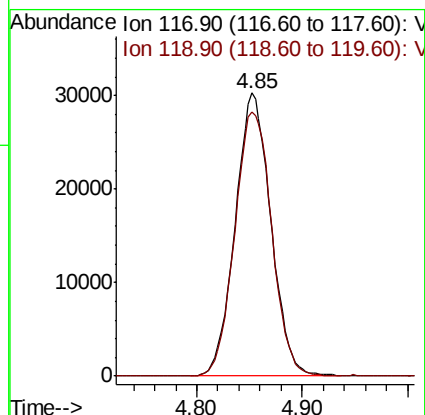
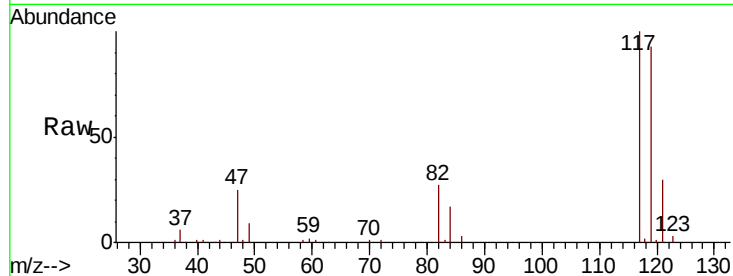
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 70869

Ion Ratio Lower Upper

117 100

119 97.0 75.6 113.4



#33

Benzene

Concen: 5.086 ug/L

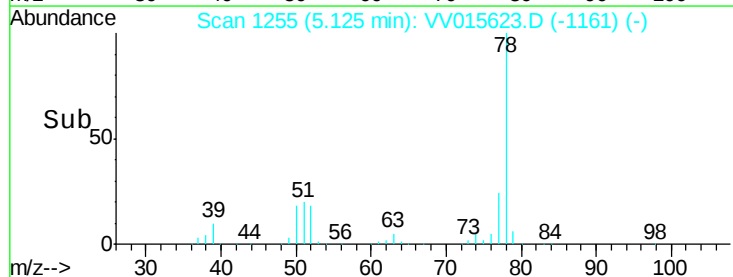
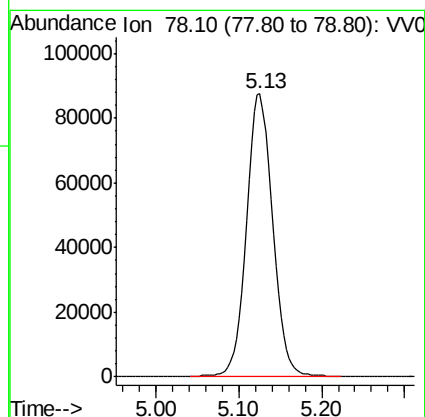
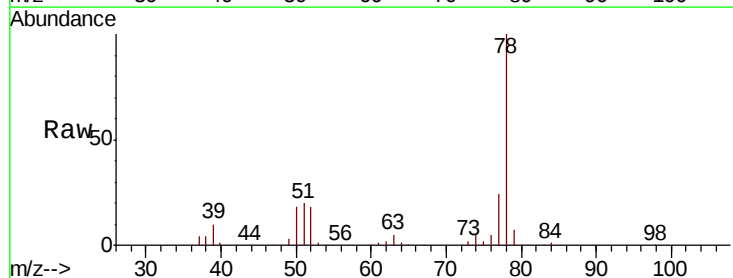
RT: 5.13 min Scan# 1255

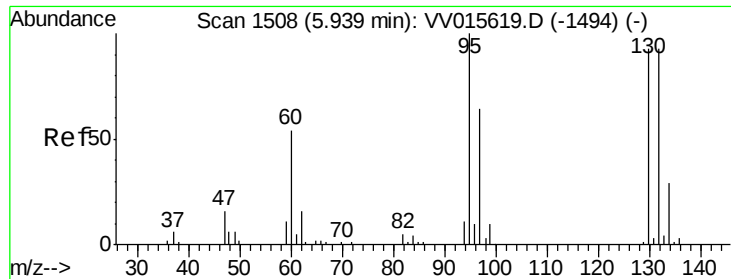
Delta R.T. 0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Tgt Ion: 78 Resp: 193089

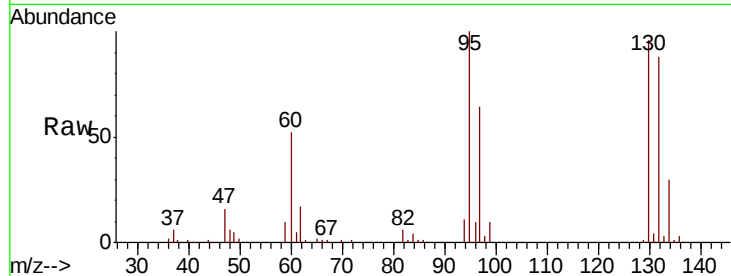




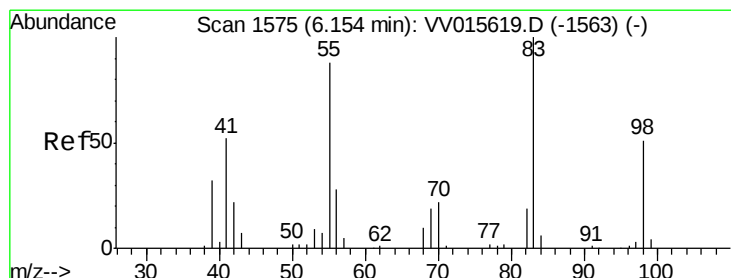
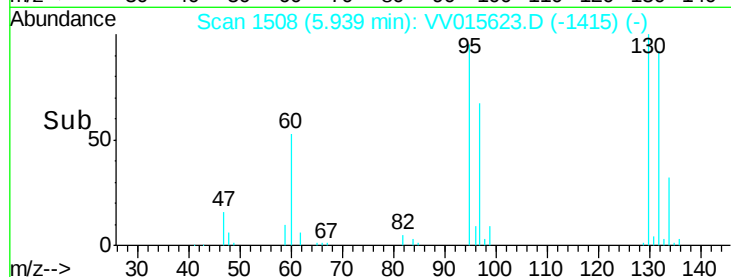
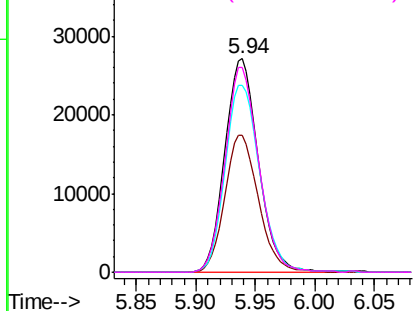
#34
 Trichloroethene
 Concen: 5.067 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 53126
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 82.9
 132 87.6 65.2 121.0
 130 95.7 65.0 120.6

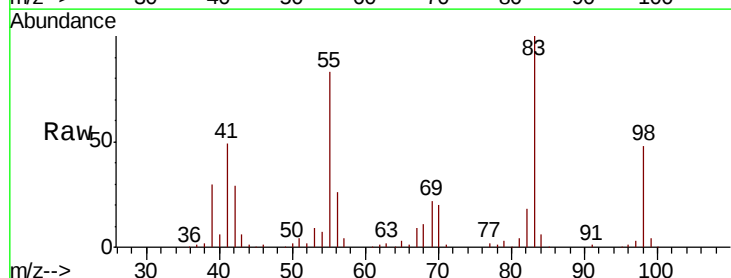


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

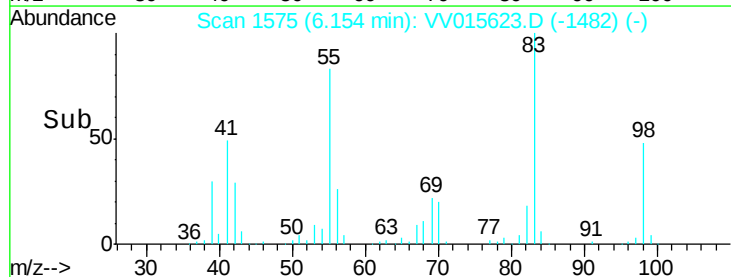
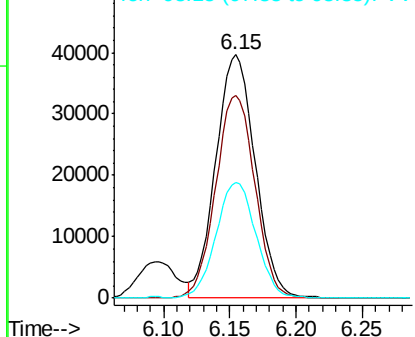


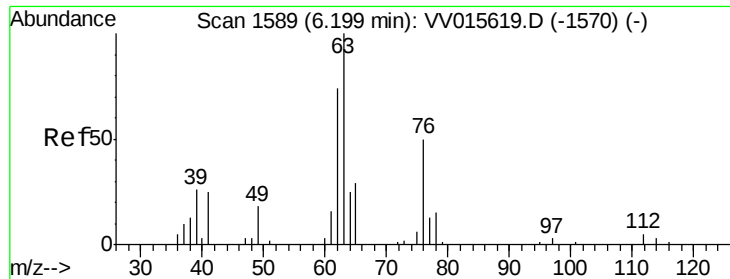
#35
 Methylcyclohexane
 Concen: 5.104 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Tgt Ion: 83 Resp: 82135
 Ion Ratio Lower Upper
 83 100
 55 82.8 66.6 99.8
 98 48.3 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

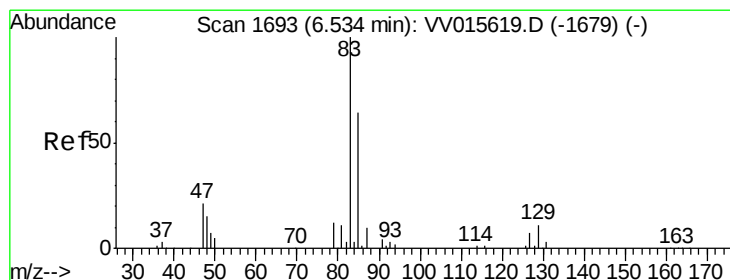
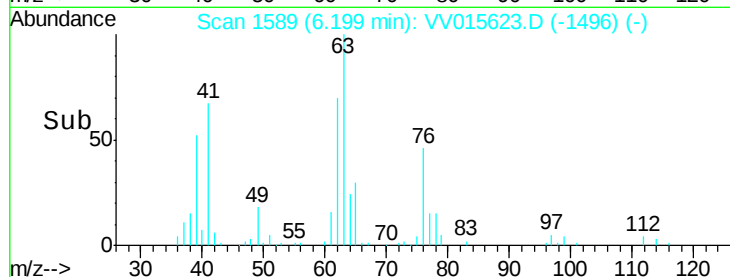
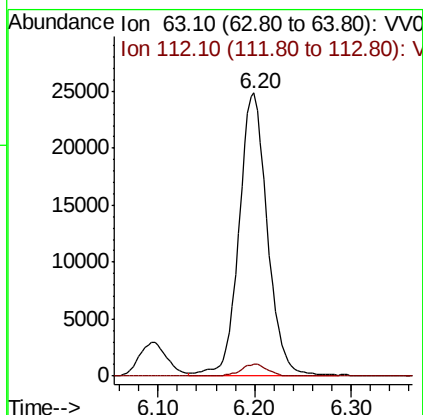
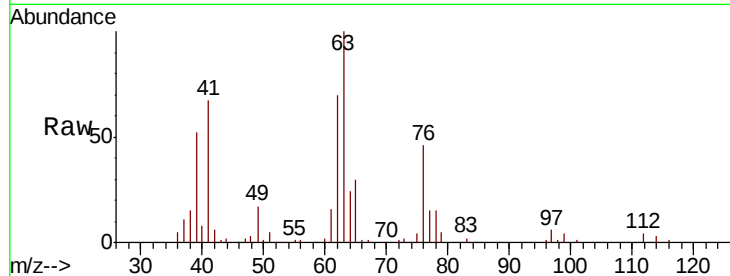




#37
 1,2-Dichloropropane
 Concen: 5.259 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

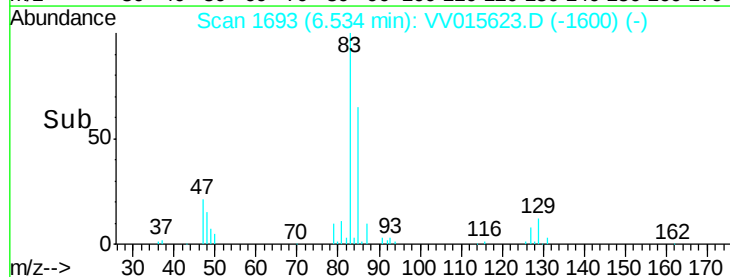
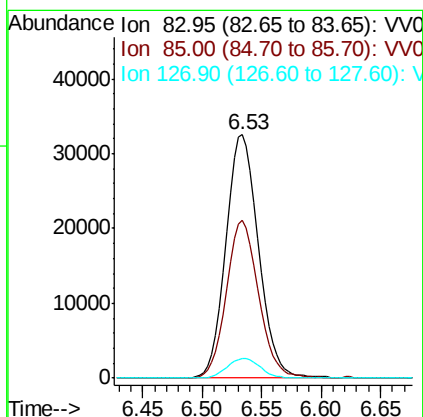
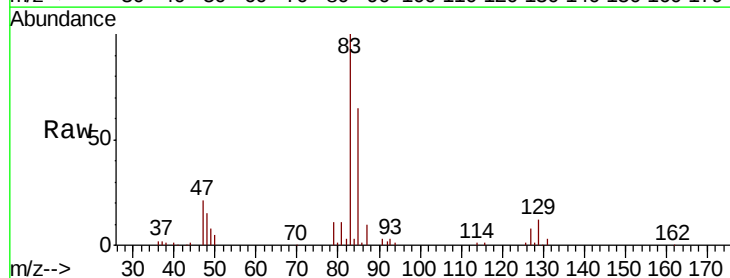
Instrument :
 MSVOA_V
 ClientSampled :

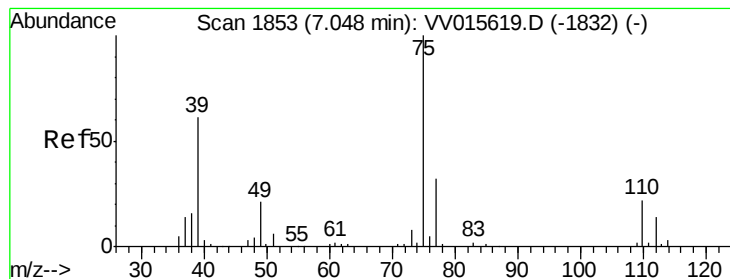
Tot Ion: 63 Resp: 50752
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.067 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Tgt Ion: 83 Resp: 62085
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 83.1
 127 8.2 5.8 8.6



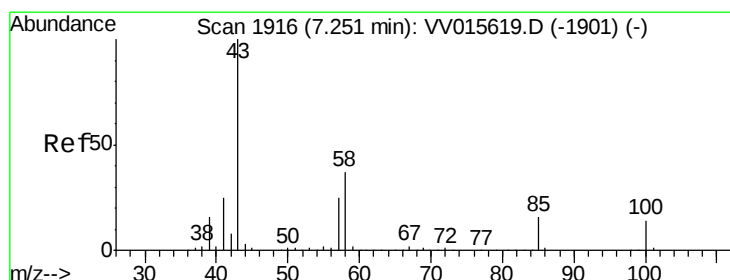
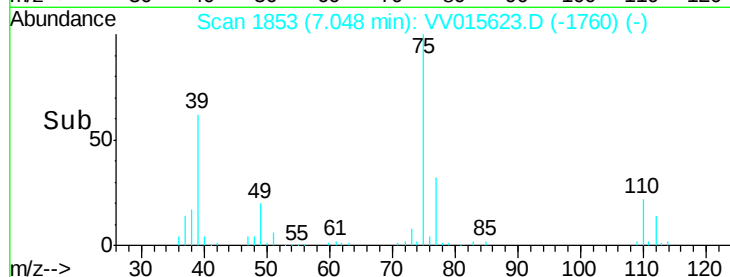
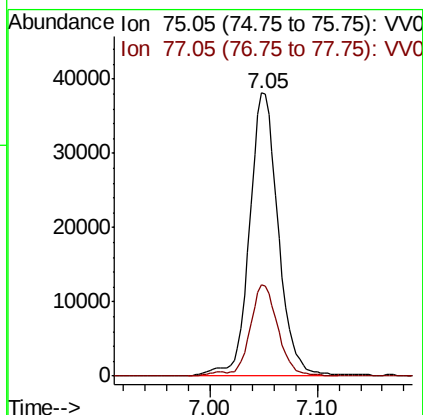
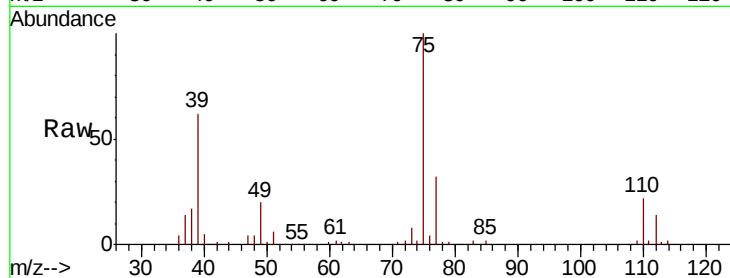


#39

cis-1,3-Dichloropropene
Concen: 5.250 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampleId :

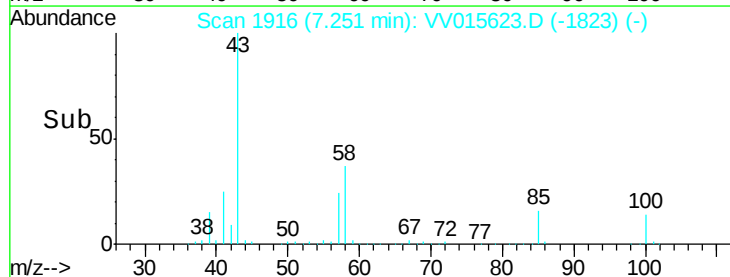
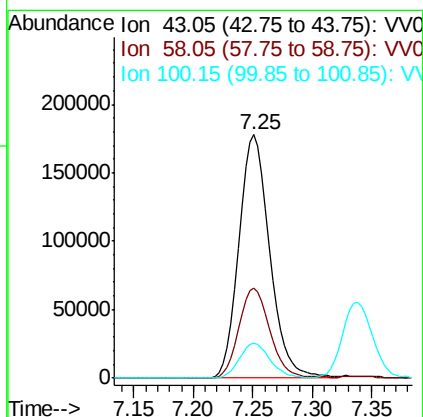
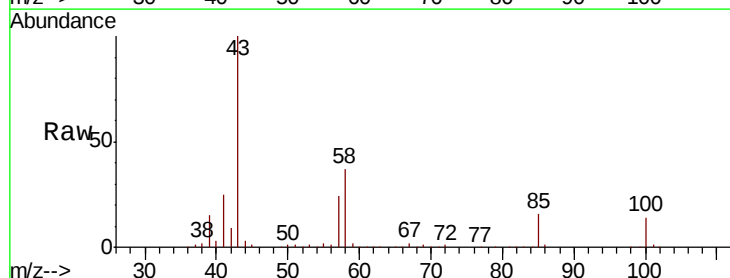
Tot Ion: 75 Resp: 70621
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.5

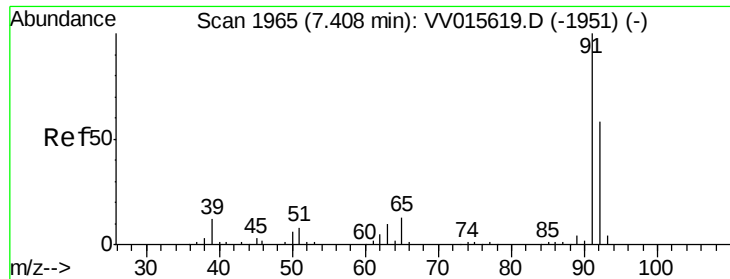


#40

4-Methyl-2-pentanone
Concen: 51.016 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion: 43 Resp: 319513
Ion Ratio Lower Upper
43 100
58 37.4 29.2 43.8
100 14.3 11.4 17.2





#42

Toluene

Concen: 5.125 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

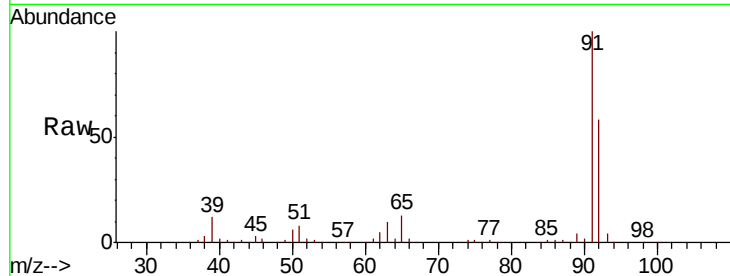
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 207912

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

100000

50000

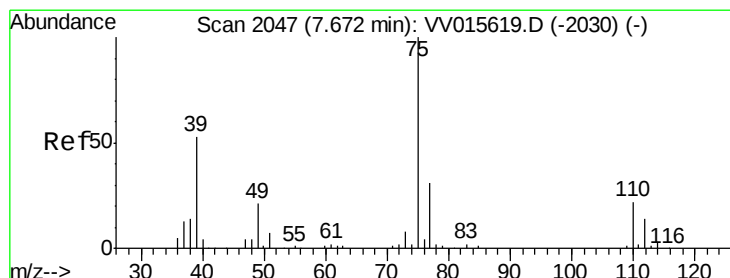
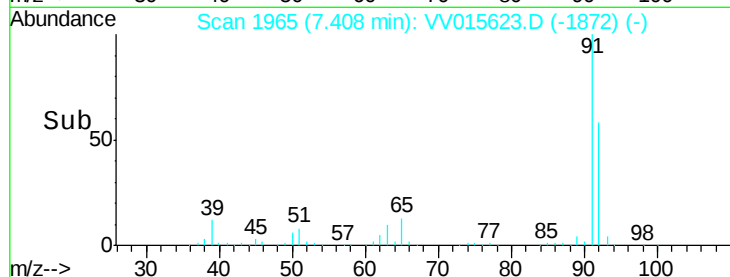
0

Time-->

7.30

7.40

7.50



#44

trans-1,3-Dichloropropene

Concen: 5.303 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015623.D

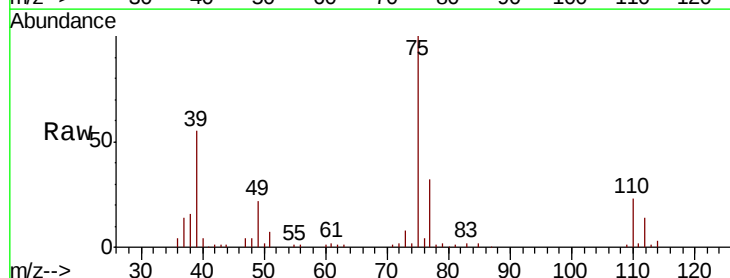
Acq: 22 Apr 2020 15:41

Tgt Ion: 75 Resp: 59939

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

40000

30000

20000

10000

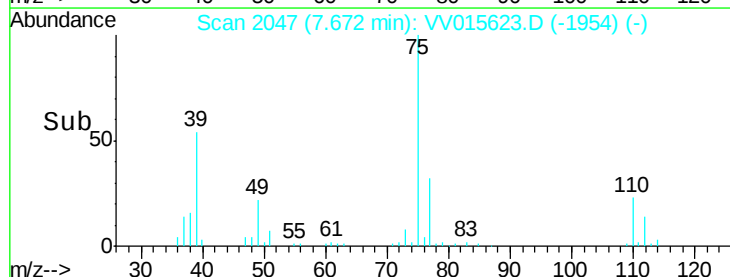
0

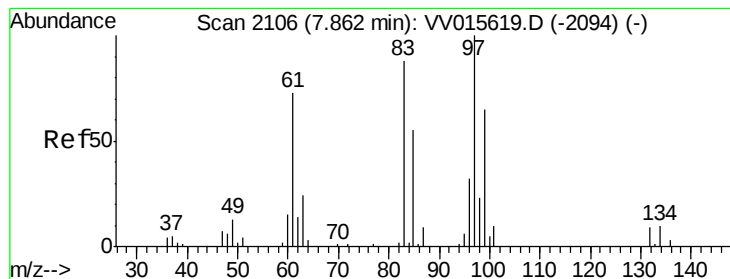
Time-->

7.60

7.70

7.80





#45

1,1,2-Trichloroethane

Concen: 5.112 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 33620

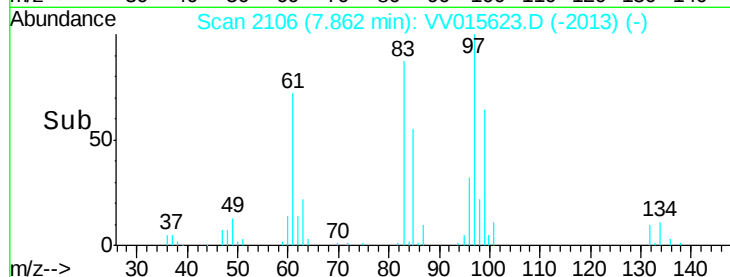
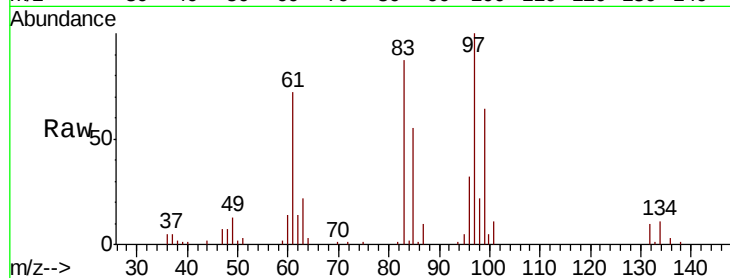
Ion Ratio Lower Upper

97 100

99 64.3 45.4 84.4

83 87.4 61.3 113.9

85 55.4 38.4 71.4

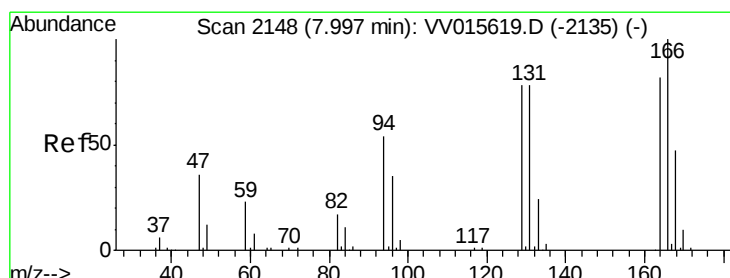
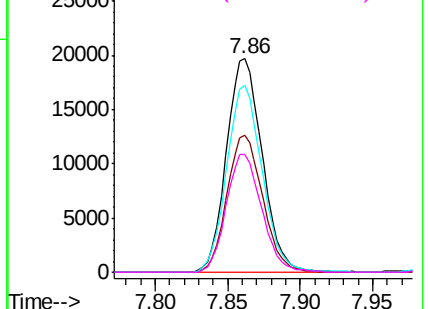


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.115 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Tgt Ion:164 Resp: 38611

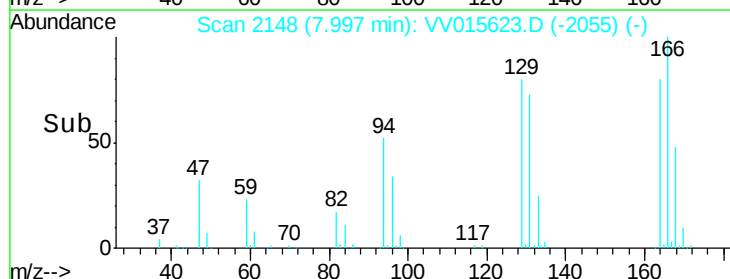
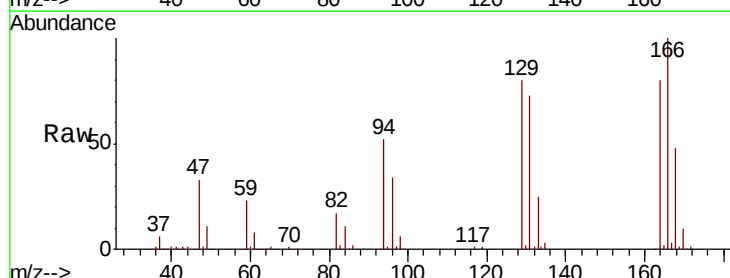
Ion Ratio Lower Upper

164 100

129 99.7 66.7 123.9

131 91.5 66.6 123.6

166 125.2 85.3 158.5

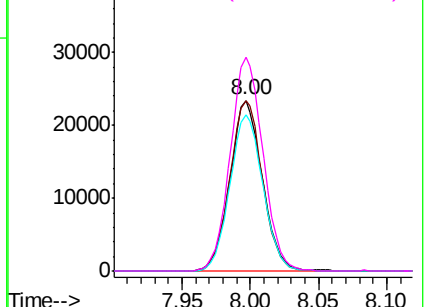


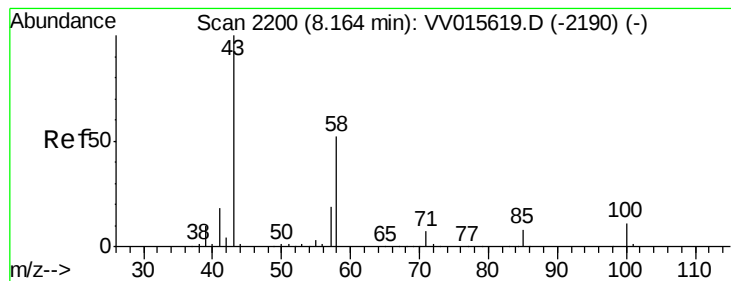
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 52.486 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 234412

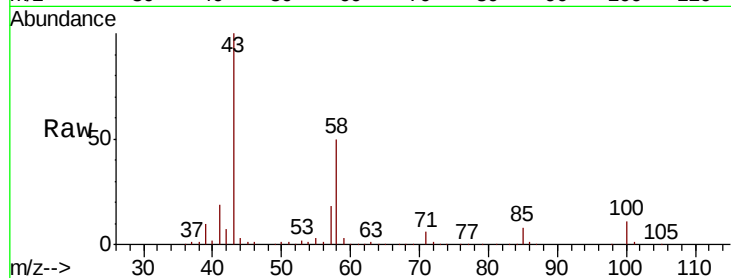
Ion Ratio Lower Upper

43 100

58 51.0 41.1 61.7

57 18.8 15.0 22.4

100 11.3 9.0 13.4

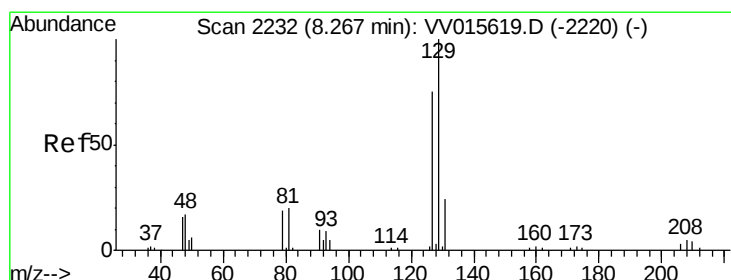
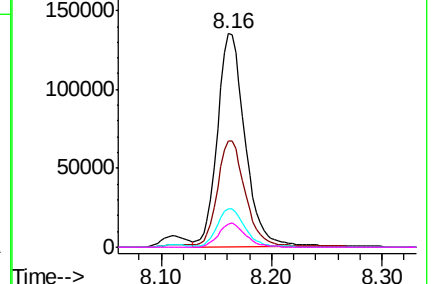
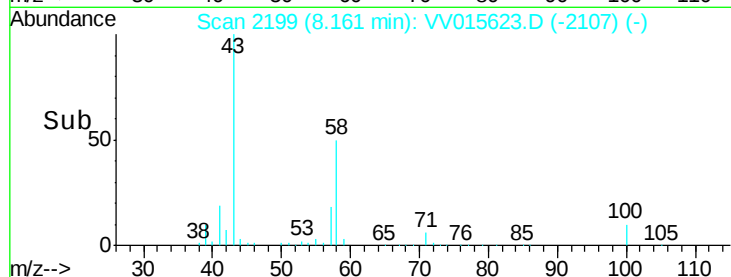


Abundance Ion 43.05 (42.75 to 43.75): VV015623.D (-2107) (-)

Ion 58.05 (57.75 to 58.75): VV015623.D (-2107) (-)

Ion 57.20 (56.90 to 57.90): VV015623.D (-2107) (-)

Ion 100.15 (99.85 to 100.85): VV015623.D (-2107) (-)



#49

Dibromochloromethane

Concen: 5.231 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015623.D

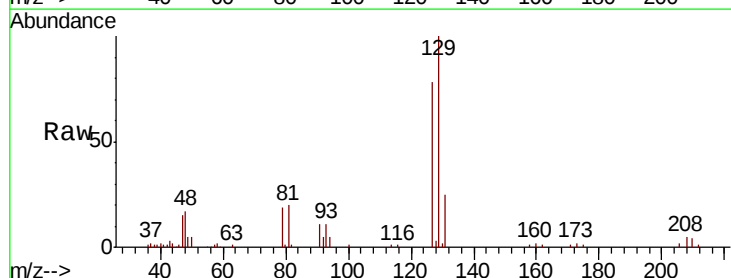
Acq: 22 Apr 2020 15:41

Tgt Ion: 129 Resp: 35610

Ion Ratio Lower Upper

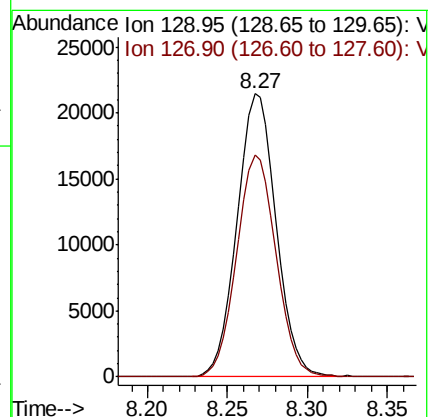
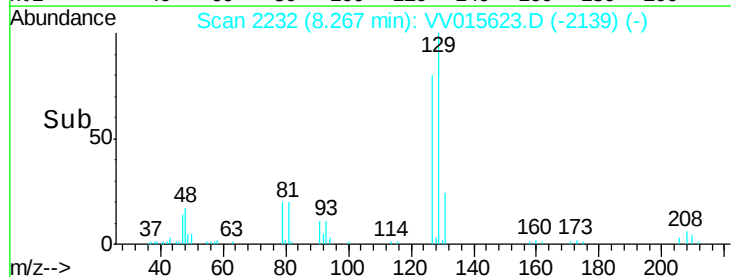
129 100

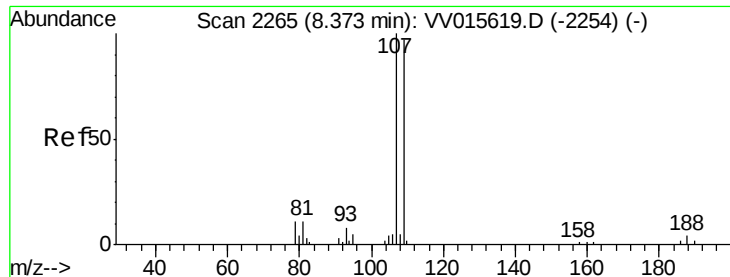
127 78.3 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015623.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV015623.D (-2139) (-)

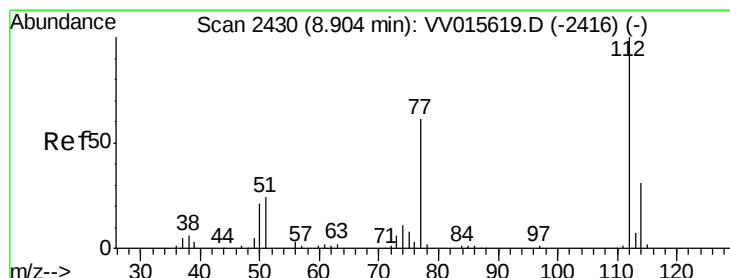
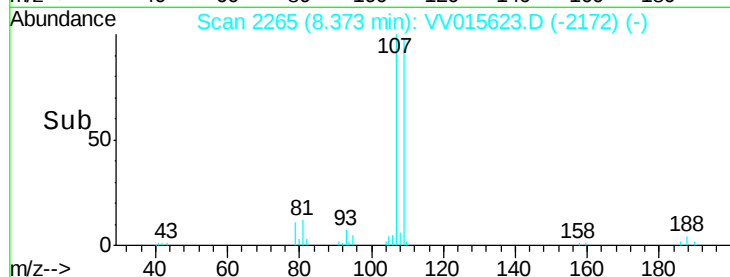
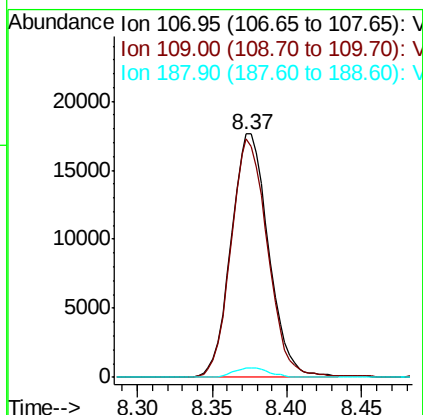
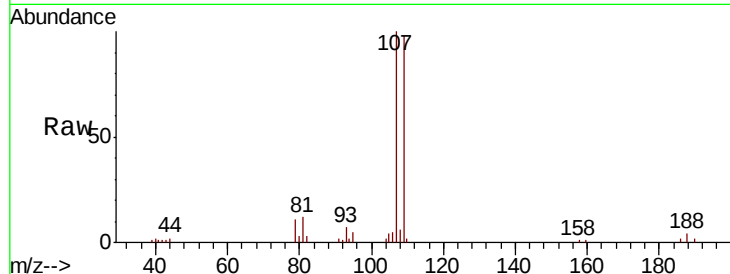




#50
1,2-Dibromoethane
Concen: 5.067 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

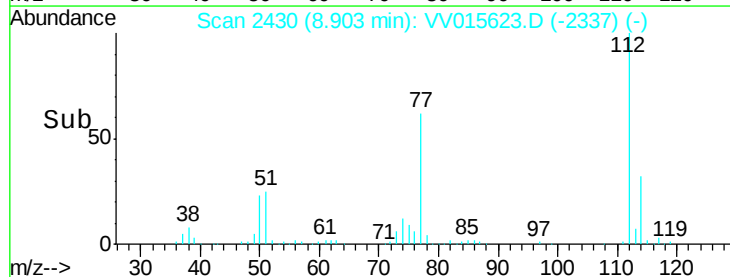
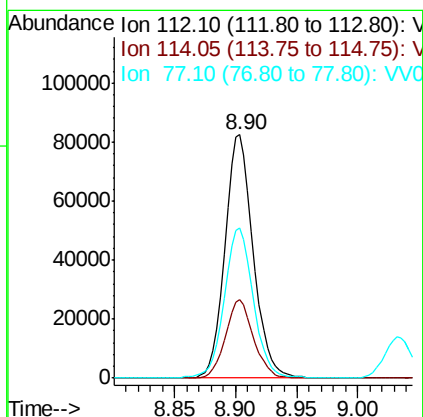
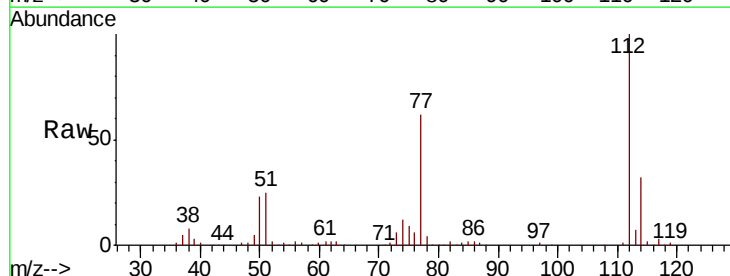
Instrument :
MSVOA_V
ClientSampleId :

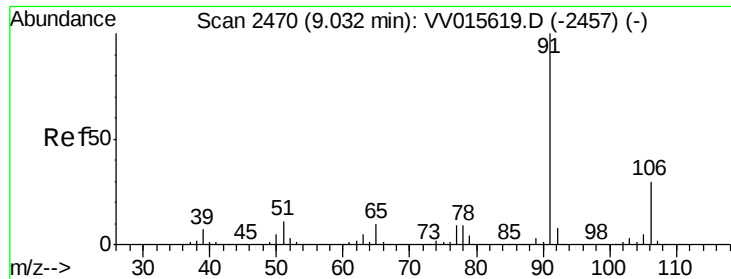
Tot Ion:107 Resp: 30823
Ion Ratio Lower Upper
107 100
109 98.0 68.1 126.5
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 5.031 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion:112 Resp: 133700
Ion Ratio Lower Upper
112 100
114 32.3 21.6 40.2
77 61.6 48.9 73.3

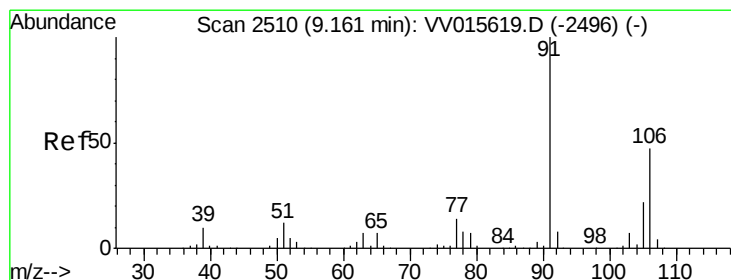
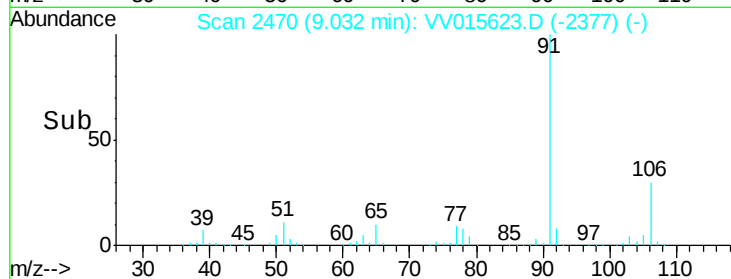
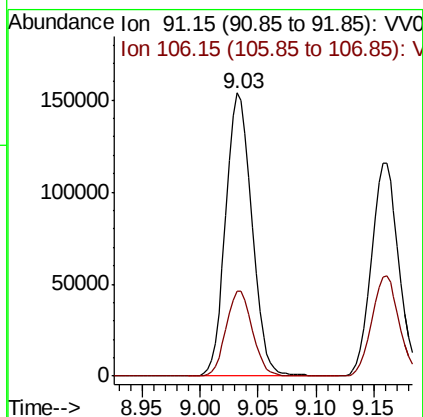
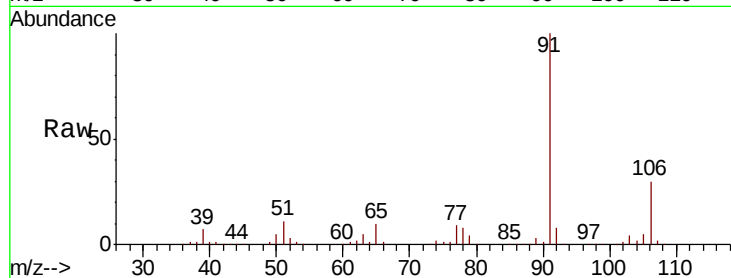




#52
Ethylbenzene
Concen: 5.119 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

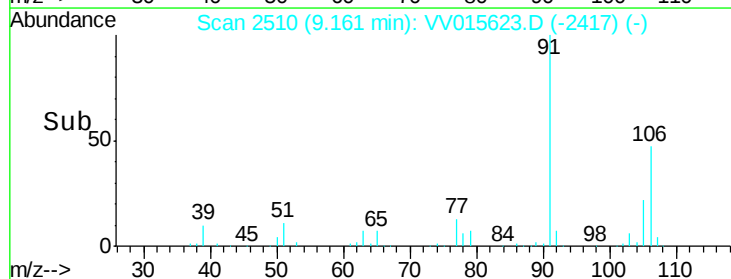
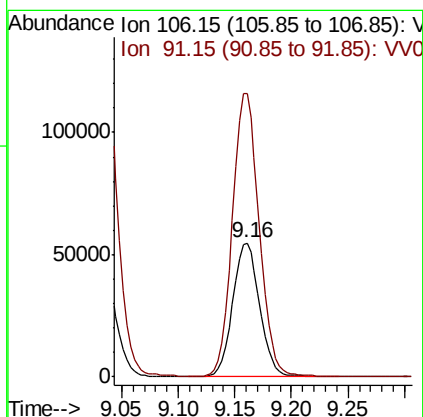
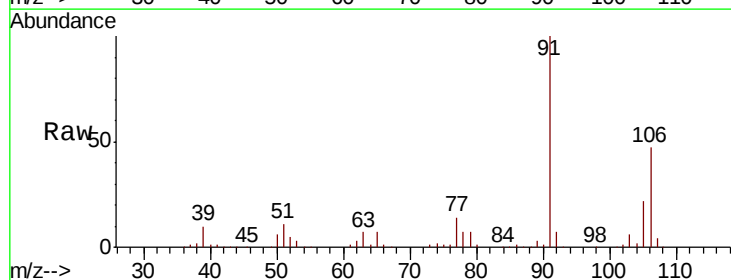
Instrument :
MSVOA_V
ClientSampleId :

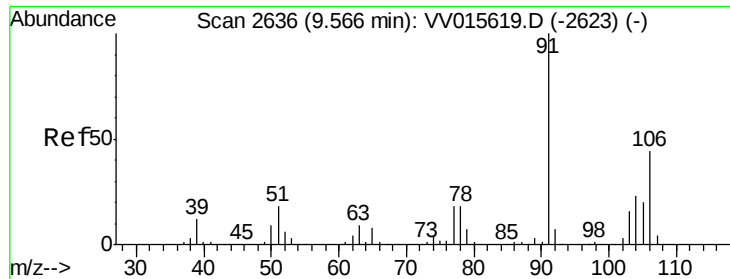
Tot Ion: 91 Resp: 240290
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5



#53
m,p-xylene
Concen: 5.250 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV015623.D
Acq: 22 Apr 2020 15:41

Tgt Ion:106 Resp: 90273
Ion Ratio Lower Upper
106 100
91 211.1 147.8 274.4





#54

o-xylene

Concen: 5.156 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

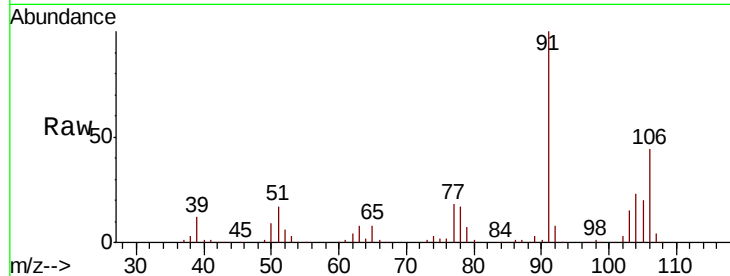
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 85788

Ion Ratio Lower Upper

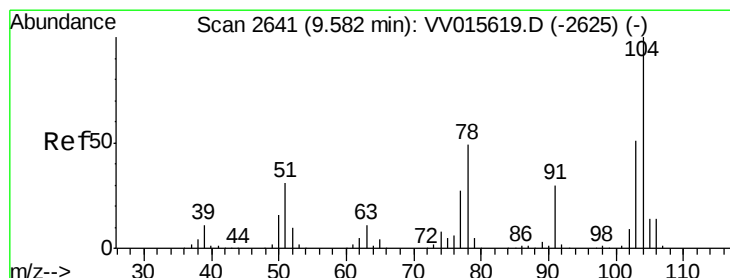
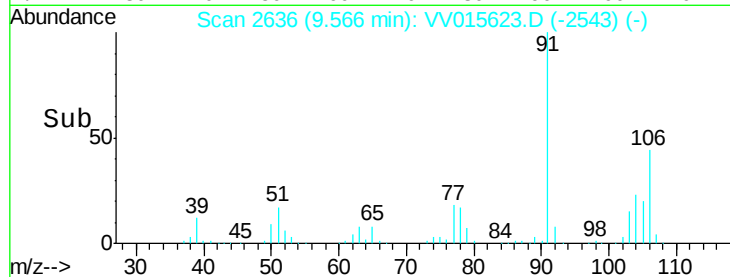
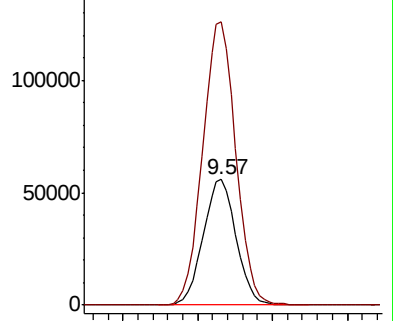
106 100

91 225.0 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.193 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015623.D

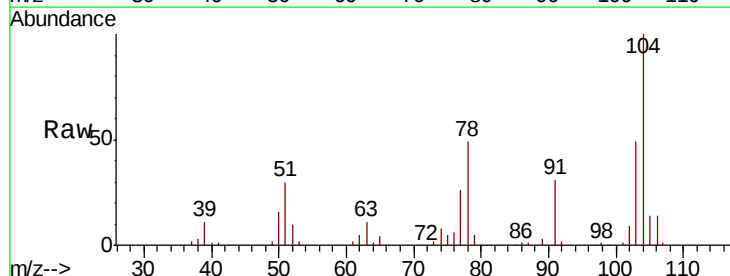
Acq: 22 Apr 2020 15:41

Tgt Ion:104 Resp: 146622

Ion Ratio Lower Upper

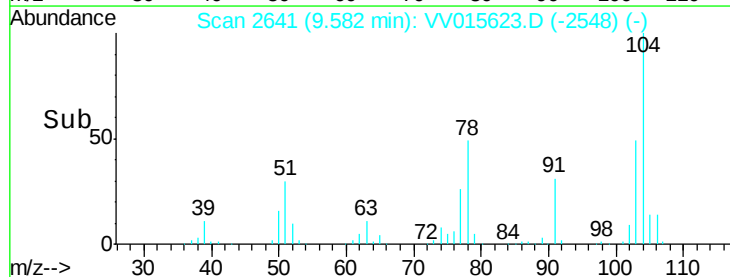
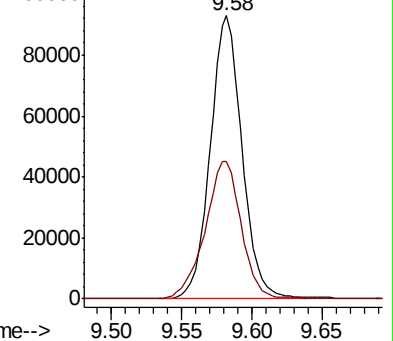
104 100

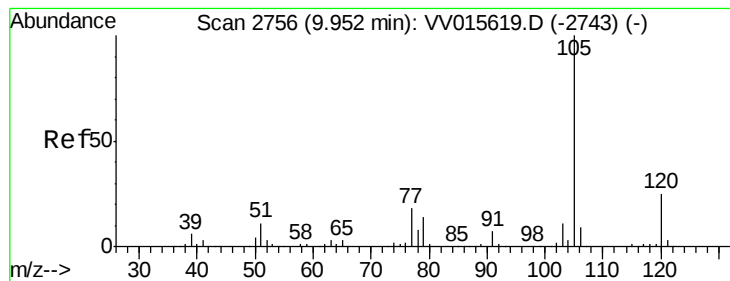
78 48.6 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.120 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :
MSVOA_V
ClientSampled :

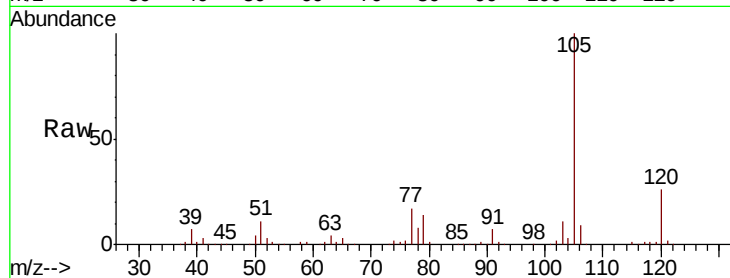
Tot Ion:105 Resp: 238993

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

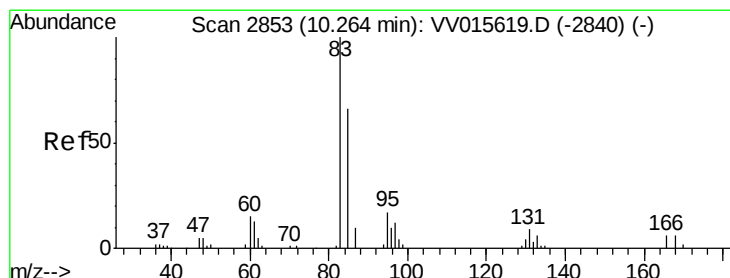
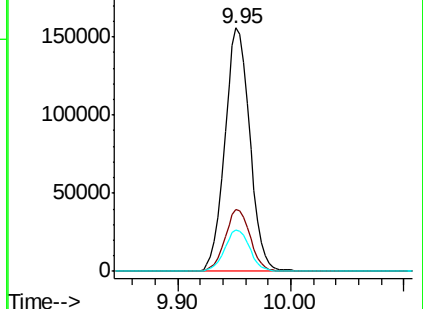
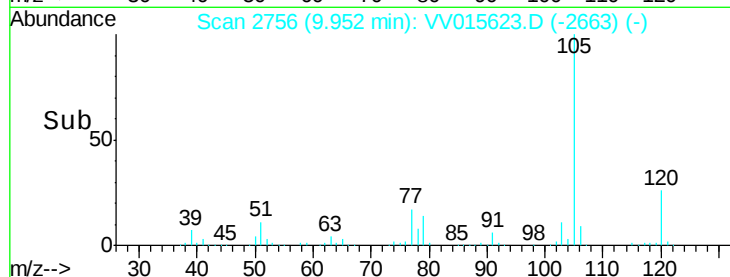
77 17.1 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): VV015623.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV015623.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV015623.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.125 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

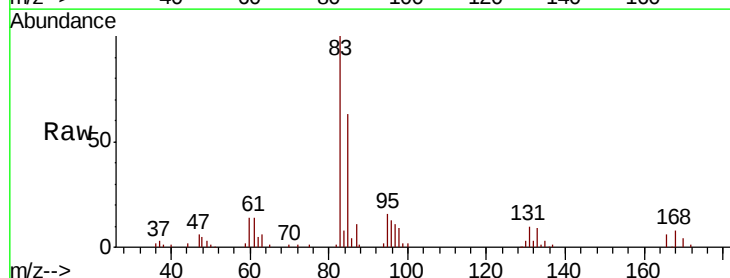
Tgt Ion: 83 Resp: 39363

Ion Ratio Lower Upper

83 100

85 63.1 46.3 85.9

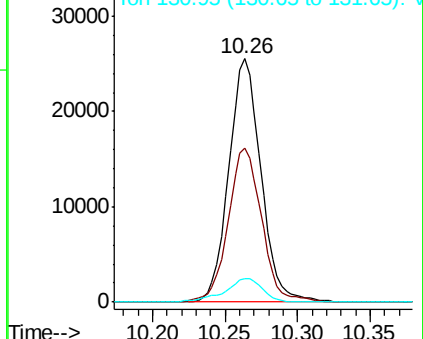
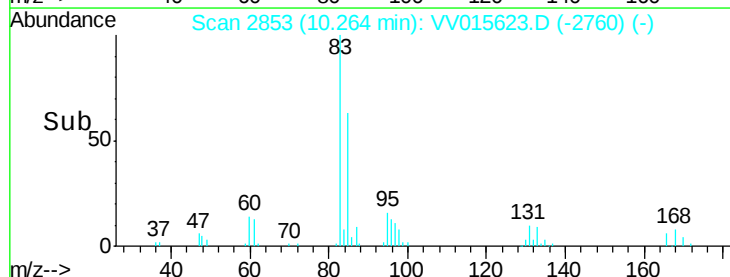
131 9.6 7.7 11.5

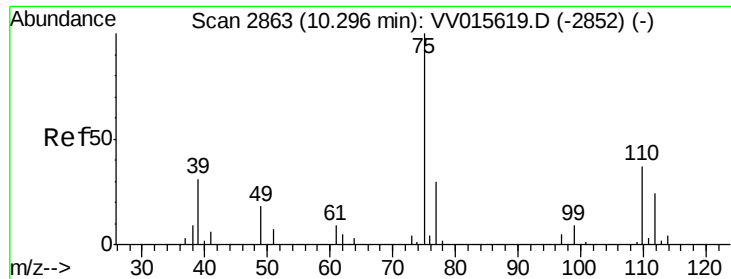


Abundance Ion 82.95 (82.65 to 83.65): VV015623.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015623.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV015623.D (-2760) (-)

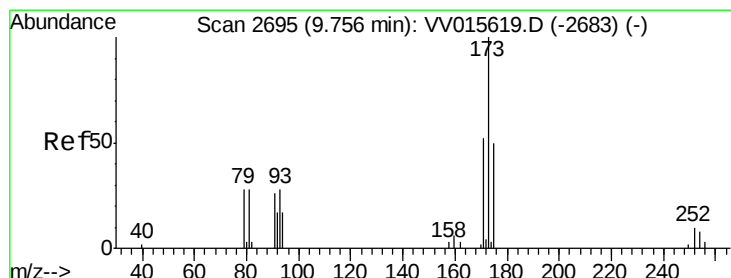
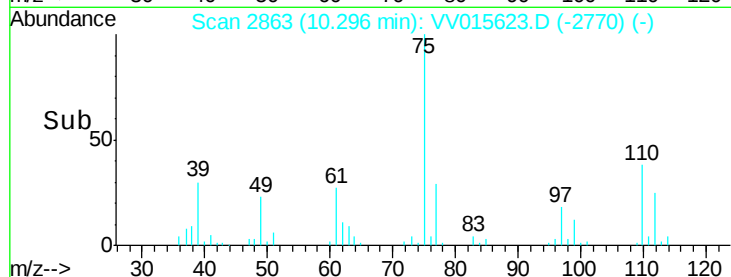
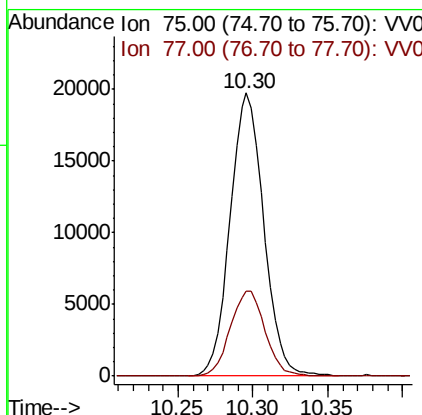
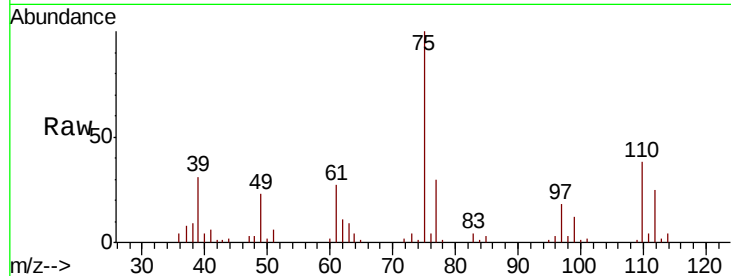




#59
 1,2,3-Trichloropropane
 Concen: 5.031 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

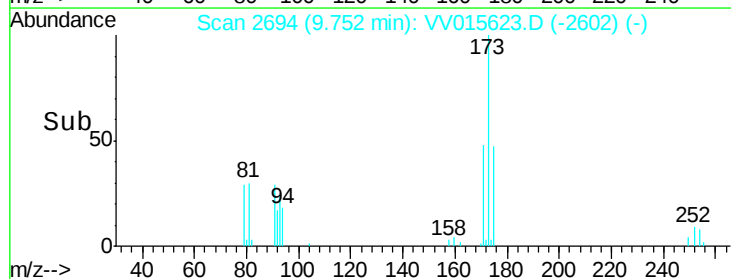
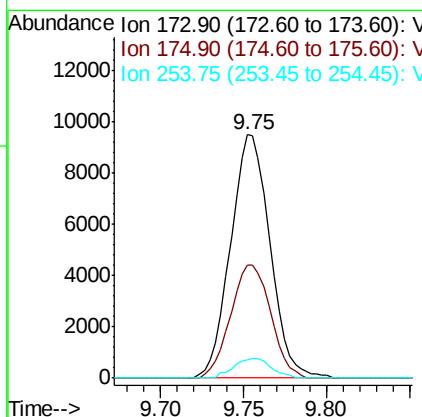
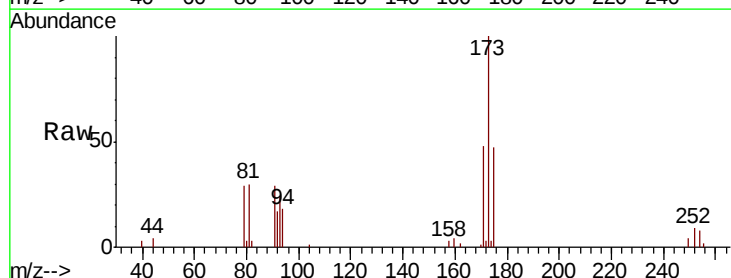
Instrument :
 MSVOA_V
 ClientSampleId :

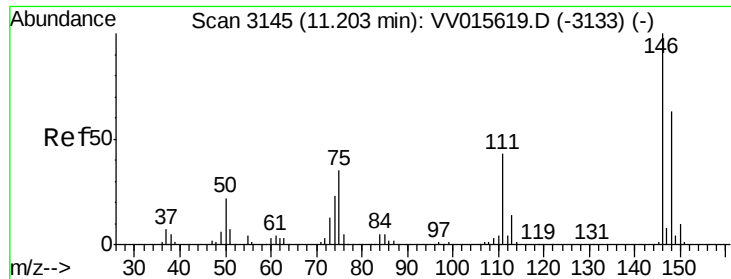
Tot Ion: 75 Resp: 30995
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.0 39.0



#61
 Bromoform
 Concen: 5.494 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Tgt Ion:173 Resp: 15697
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.8 59.8
 254 7.7 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.069 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

ClientSampled :

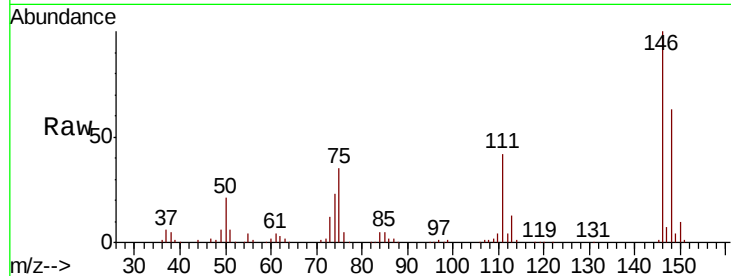
Tot Ion:146 Resp: 111048

Ion Ratio Lower Upper

146 100

111 41.5 30.0 55.6

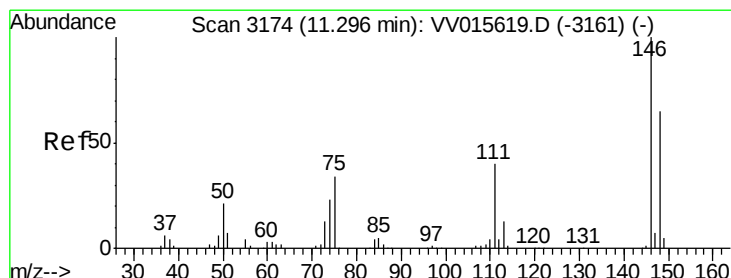
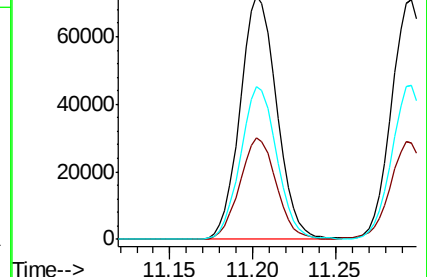
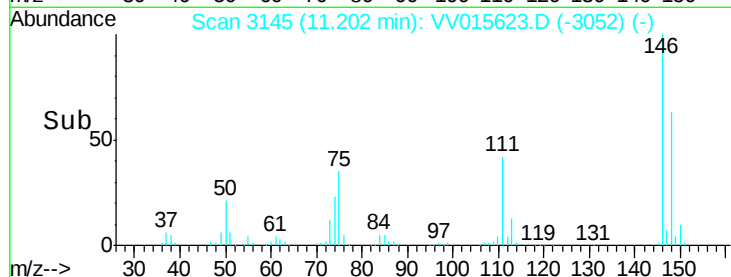
148 62.6 44.2 82.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.969 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

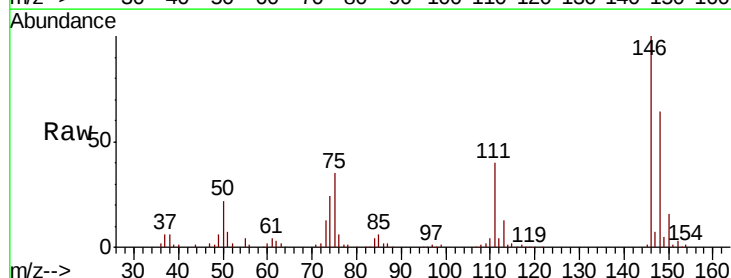
Tgt Ion:146 Resp: 109775

Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

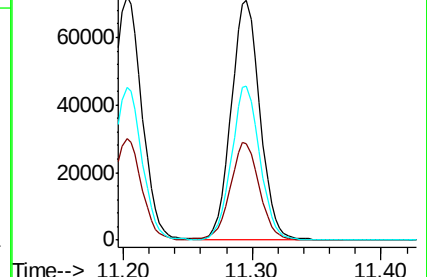
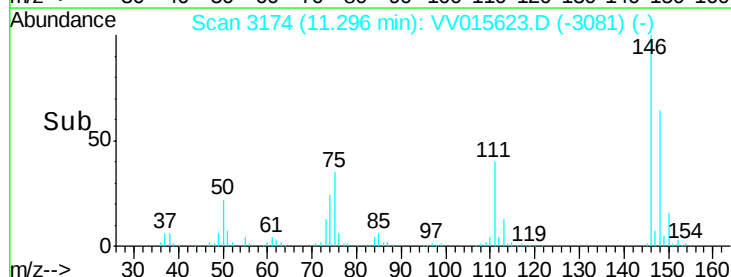
148 64.3 45.7 84.9

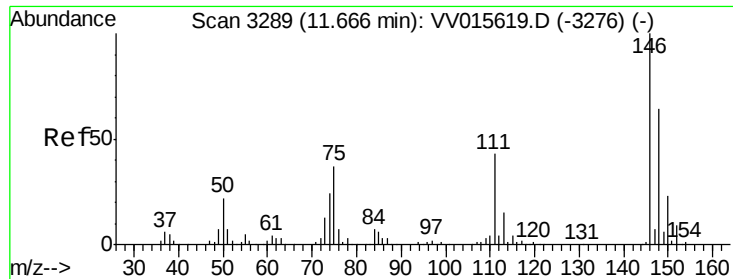


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.974 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

ClientSampled :

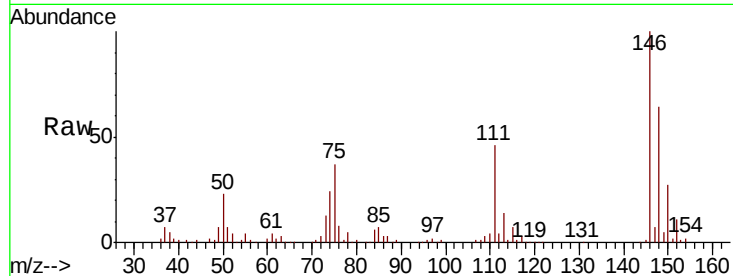
Tot Ion:146 Resp: 98544

Ion Ratio Lower Upper

146 100

111 45.9 34.7 52.1

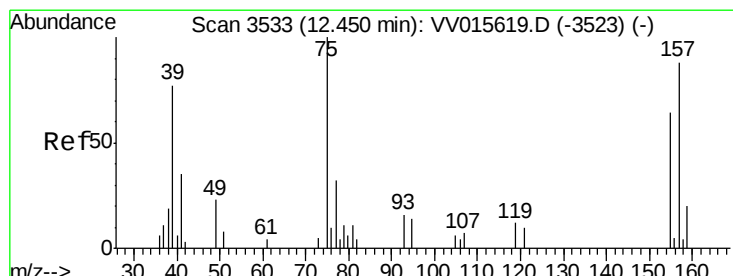
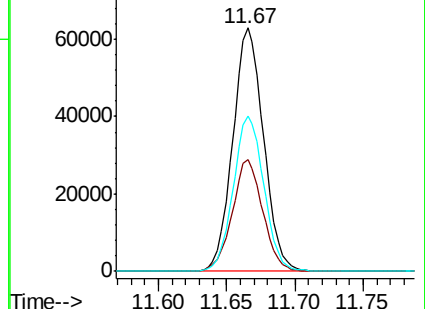
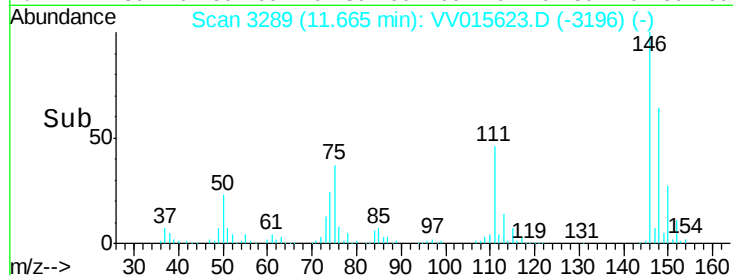
148 63.5 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.147 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

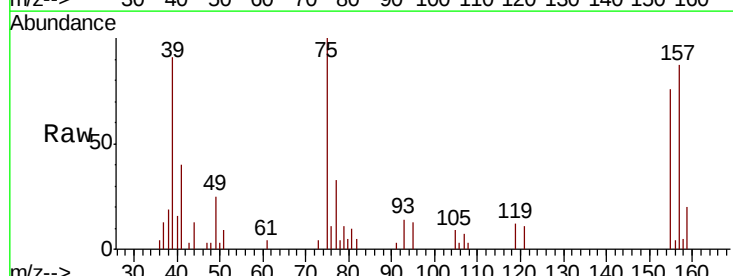
Tgt Ion: 75 Resp: 6644

Ion Ratio Lower Upper

75 100

155 76.0 51.0 76.4

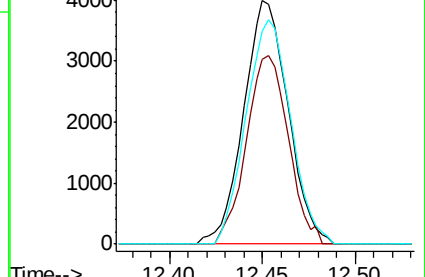
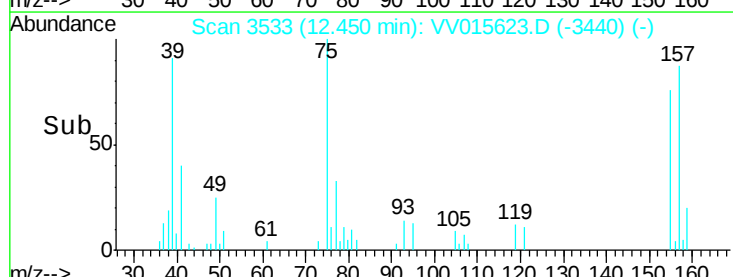
157 87.4 70.6 106.0

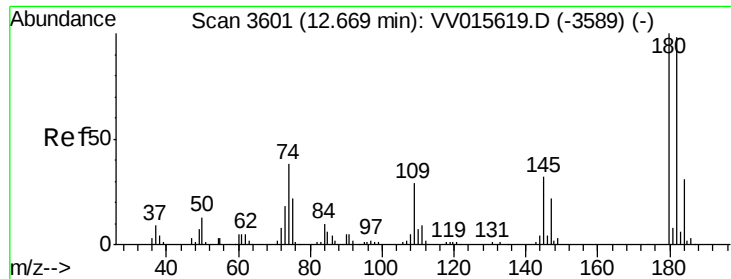


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

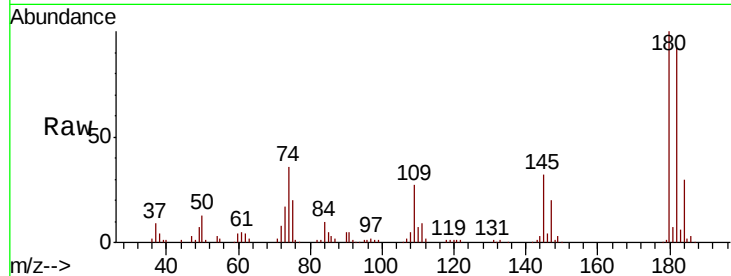




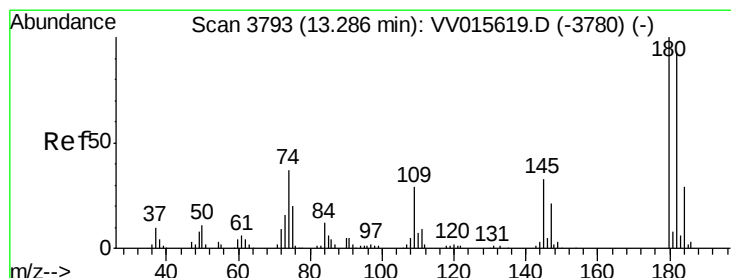
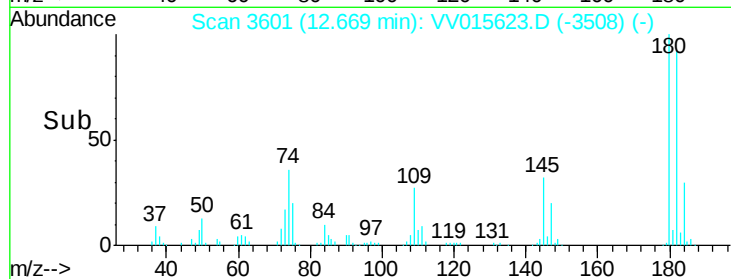
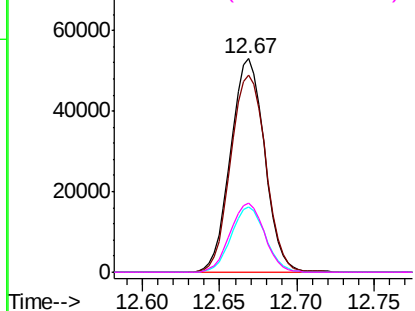
#67
 1,3,5-Trichlorobenzene
 Concen: 5.001 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 80960
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.2 117.4
 184 30.6 25.0 37.4
 145 32.5 26.4 39.6

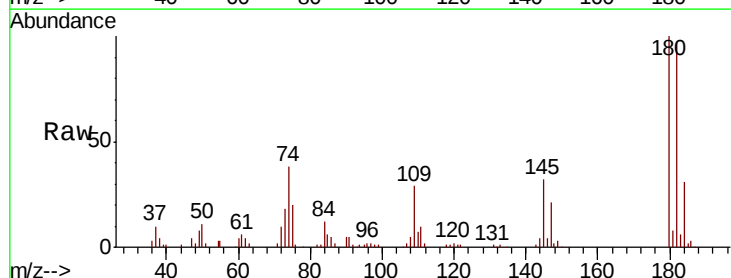


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

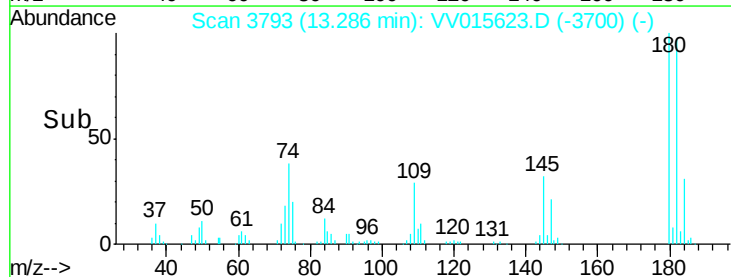
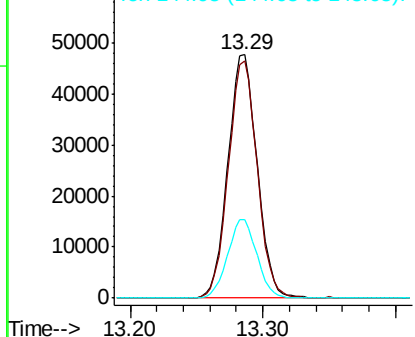


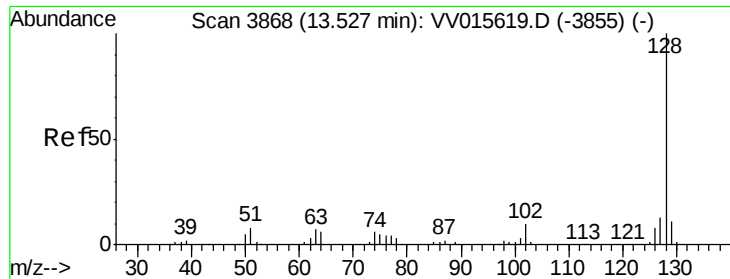
#68
 1,2,4-trichlorobenzene
 Concen: 4.901 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015623.D
 Acq: 22 Apr 2020 15:41

Tgt Ion:180 Resp: 73026
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.8 112.2
 145 32.4 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.913 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

Instrument :

MSVOA_V

ClientSampled :

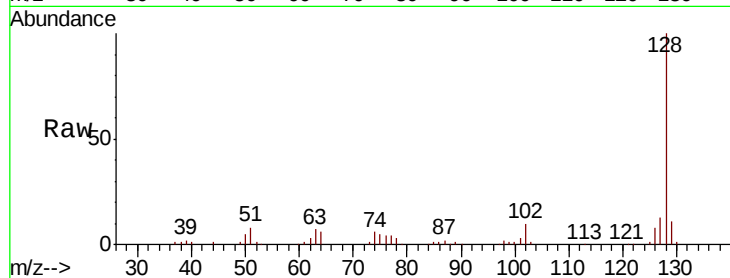
Tot Ion:128 Resp: 131012

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

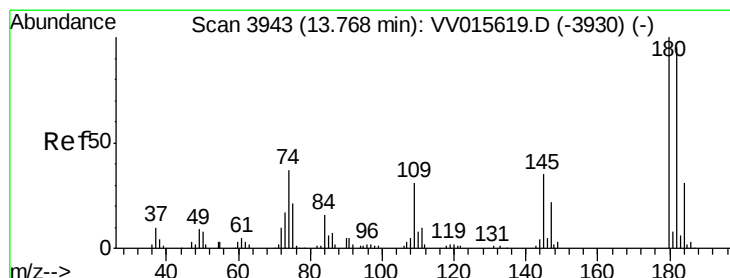
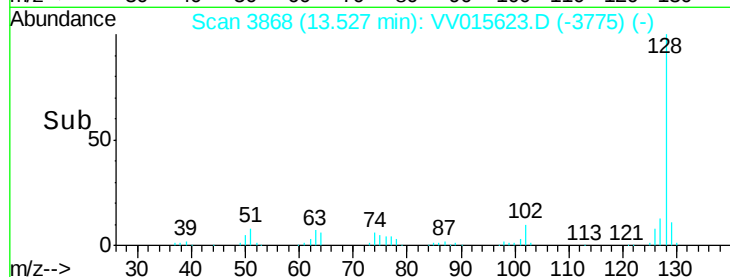
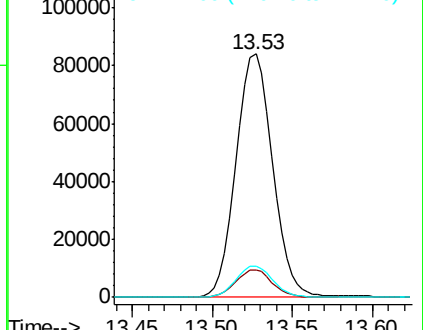
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.933 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015623.D

Acq: 22 Apr 2020 15:41

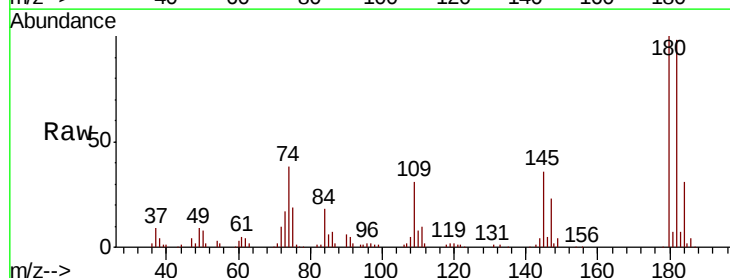
Tgt Ion:180 Resp: 64867

Ion Ratio Lower Upper

180 100

182 94.2 74.8 112.2

145 35.0 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

