

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016653.D
 Acq On : 08 Jun 2020 12:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Quant Time: Jun 09 01:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	405759	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	381427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133547	46.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.28%
7) Chloroethane-d5	1.57	69	82967	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.58%
11) 1,1-Dichloroethene-d2	2.12	63	235892	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.12%
21) 2-Butanone-d5	3.90	46	223194	105.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.33%
24) Chloroform-d	4.37	84	285839	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.05	65	194142	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.06%
32) Benzene-d6	5.07	84	544233	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.09	67	169411	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.86%
41) Toluene-d8	7.34	98	507551	50.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.64	79	90401	50.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.28%
47) 2-Hexanone-d5	8.11	63	163165	109.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	221121	48.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	199621	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	154573	48.050	ug/L 98
3) Chloromethane	1.25	50	140006	47.591	ug/L 99
5) Vinyl chloride	1.32	62	137356	47.479	ug/L 96
6) Bromomethane	1.52	94	54691	45.391	ug/L 97
8) Chloroethane	1.59	64	72918	51.026	ug/L 98
9) Trichlorofluoromethane	1.76	101	214724	49.598	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106126	49.194	ug/L 99
12) 1,1-Dichloroethene	2.13	96	97702	48.514	ug/L 94
13) Acetone	2.18	43	143736	102.946	ug/L 99
14) Carbon disulfide	2.31	76	360461	49.435	ug/L 100
15) Methyl Acetate	2.44	43	156140	50.174	ug/L 99
16) Methylene chloride	2.52	84	139628	47.249	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	132484	48.249	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	448887	49.337	ug/L 100
19) 1,1-Dichloroethane	3.21	63	251198	48.601	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	146229	48.849	ug/L 98
22) 2-Butanone	3.98	43	229066	106.390	ug/L 98

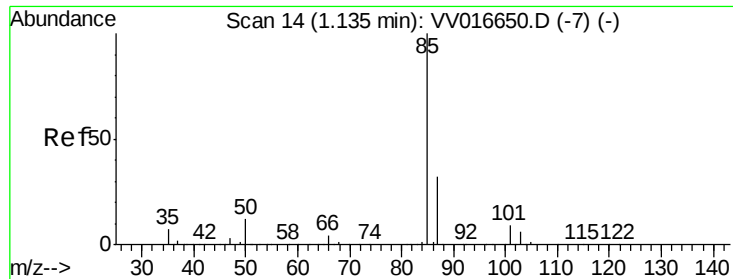
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	76506	48.516	uq/L	98
25) Chloroform	4.40	83	258291	48.626	uq/L	99
27) 1,2-Dichloroethane	5.15	62	219011	49.185	uq/L	98
29) Cyclohexane	4.70	56	232239	48.997	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	235448	48.403	uq/L	99
31) Carbon tetrachloride	4.85	117	209061	49.681	uq/L	99
33) Benzene	5.12	78	537996	47.672	uq/L	100
34) Trichloroethene	5.94	95	146131	48.281	uq/L	98
35) Methylcyclohexane	6.15	83	237923	50.108	uq/L	98
37) 1,2-Dichloropropane	6.20	63	142720	48.630	uq/L	99
38) Bromodichloromethane	6.53	83	193462	49.519	uq/L	97
39) cis-1,3-Dichloropropene	7.05	75	232126	50.918	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	432458	103.988	uq/L	99
42) Toluene	7.41	91	583488	49.046	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	225120	50.794	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	137932	48.714	uq/L	98
46) Tetrachloroethene	8.00	164	118253	49.677	uq/L	96
48) 2-Hexanone	8.16	43	340729	105.668	uq/L	97
49) Dibromochloromethane	8.27	129	149838	49.493	uq/L	99
50) 1,2-Dibromoethane	8.37	107	146421	49.381	uq/L	99
51) Chlorobenzene	8.90	112	377292	48.609	uq/L	99
52) Ethylbenzene	9.03	91	658944	50.006	uq/L	99
53) m,p-Xylene	9.16	106	249222	50.796	uq/L	99
54) o-xylene	9.56	106	237337	49.048	uq/L	98
55) Styrene	9.58	104	410076	50.125	uq/L	99
56) Isopropylbenzene	9.95	105	655908	50.447	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	208852	48.109	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	174938	48.042	uq/L	100
61) Bromoform	9.75	173	102356	53.127	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	299038	50.405	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	302944	50.187	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	295323	49.672	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	49624	53.082	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	229774	51.938	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	215262	53.049	uq/L	99
69) Naphthalene	13.53	128	653929	56.024	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	218290	54.979	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.050 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

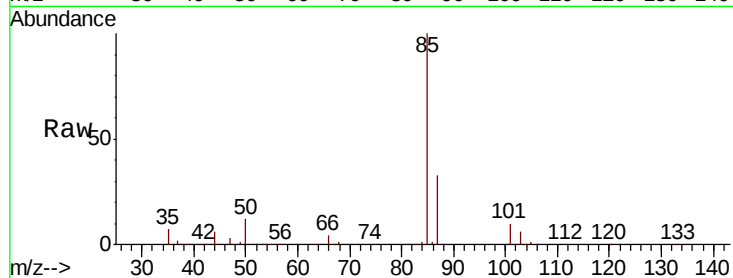
VICV62

Tot Ion: 85 Resp: 154573

Ion Ratio Lower Upper

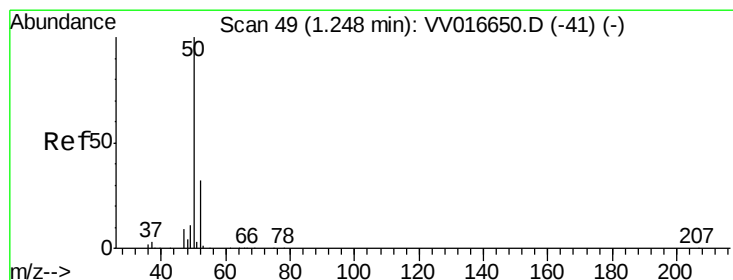
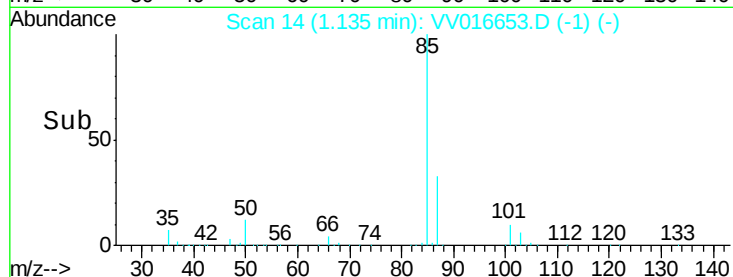
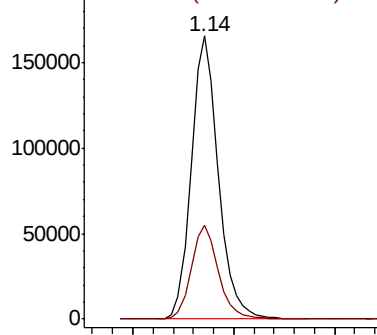
85 100

87 33.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 47.591 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016653.D

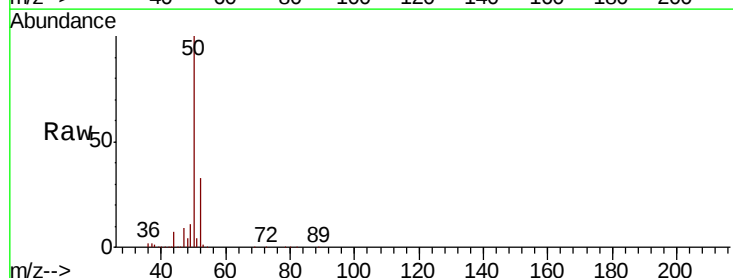
Acq: 08 Jun 2020 12:15

Tgt Ion: 50 Resp: 140006

Ion Ratio Lower Upper

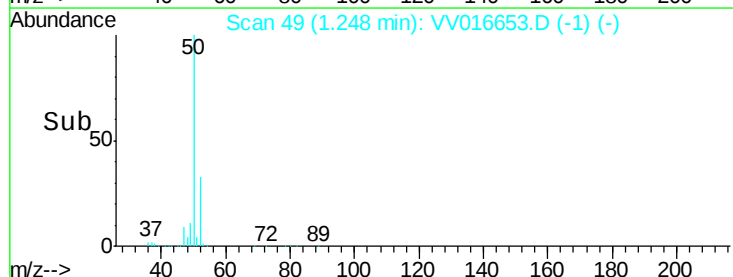
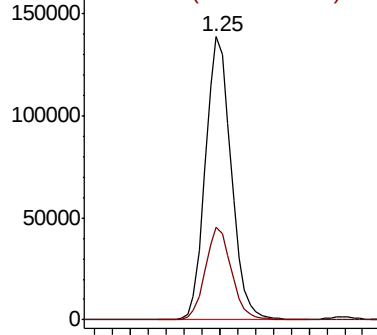
50 100

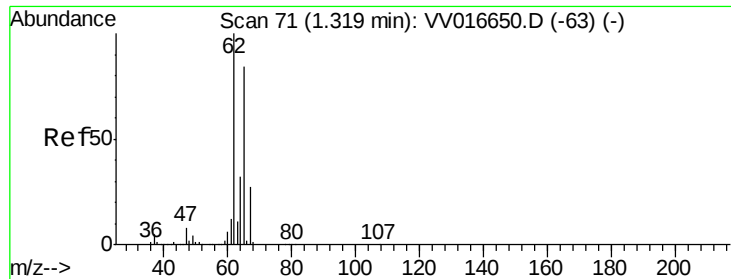
52 32.6 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.479 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

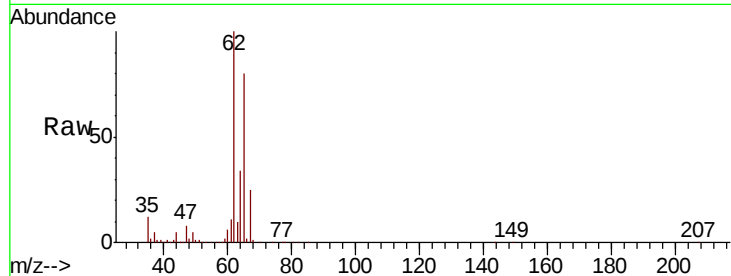
VICV62

Tot Ion: 62 Resp: 137356

Ion Ratio Lower Upper

62 100

64 34.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

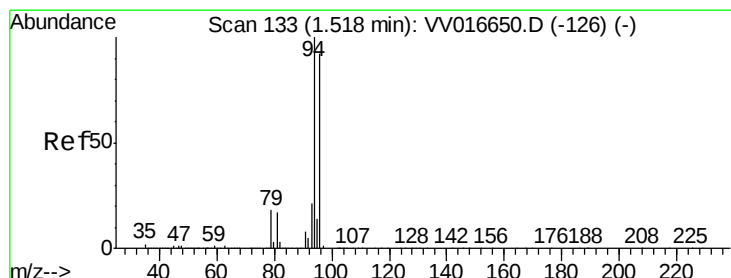
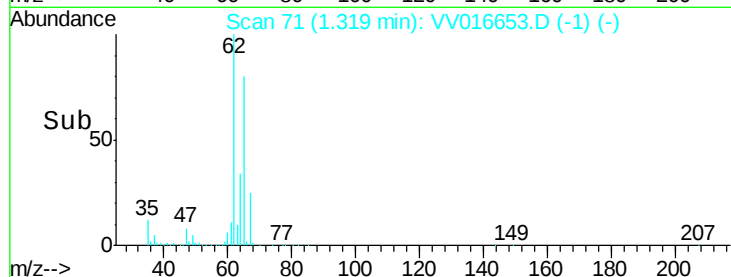
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 45.391 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV016653.D

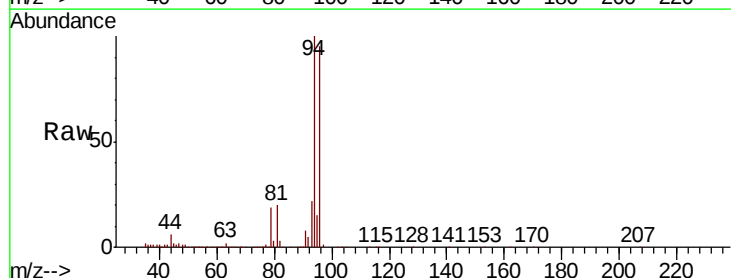
Acq: 08 Jun 2020 12:15

Tgt Ion: 94 Resp: 54691

Ion Ratio Lower Upper

94 100

96 94.7 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

60000

50000

40000

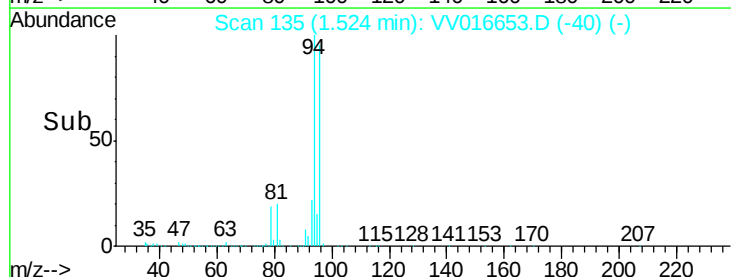
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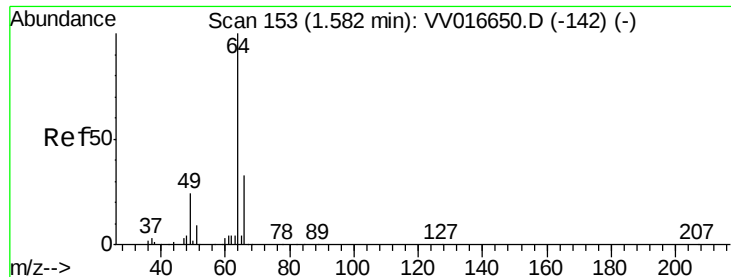
20000

10000

0

Time-->





#8

Chloroethane

Concen: 51.026 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

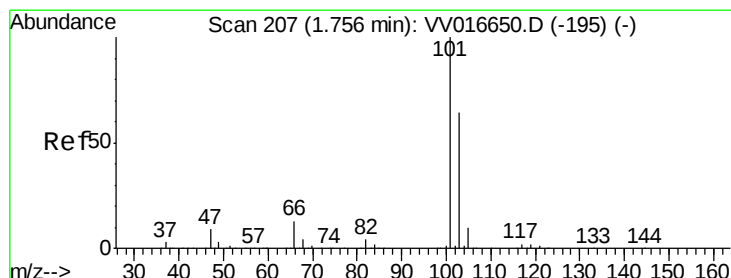
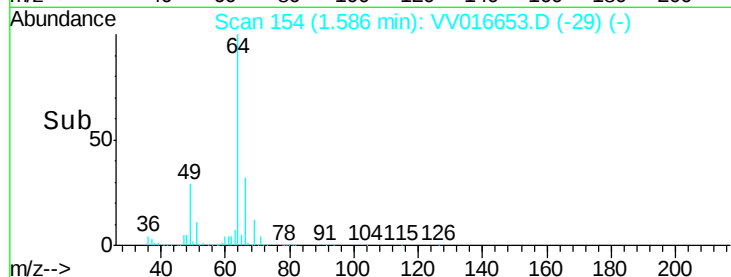
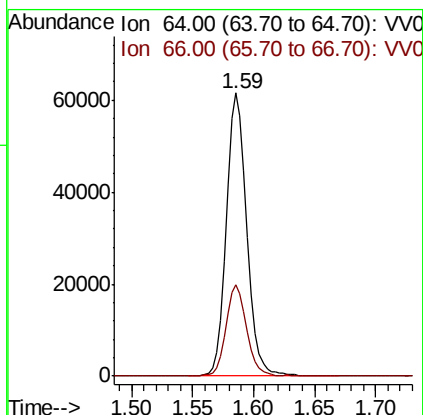
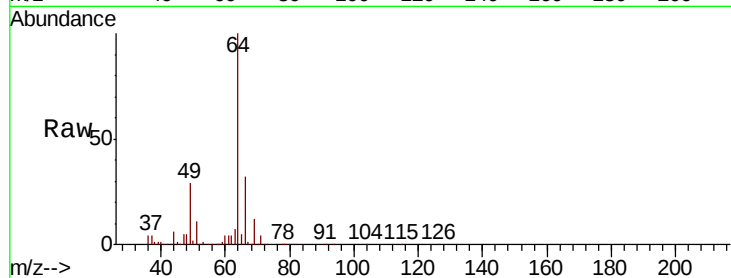
VICV62

Tot Ion: 64 Resp: 72918

Ion Ratio Lower Upper

64 100

66 32.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 49.598 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV016653.D

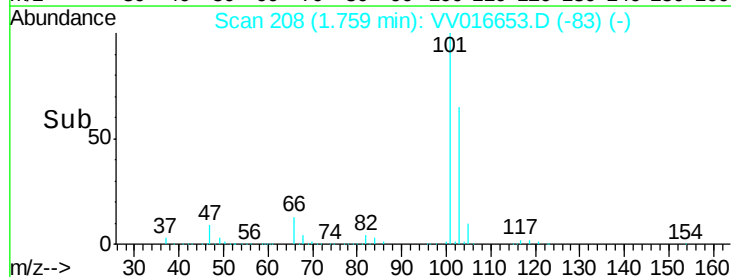
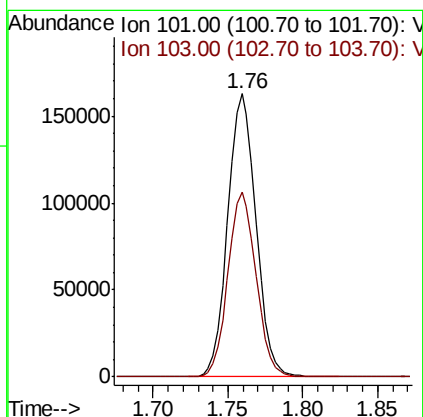
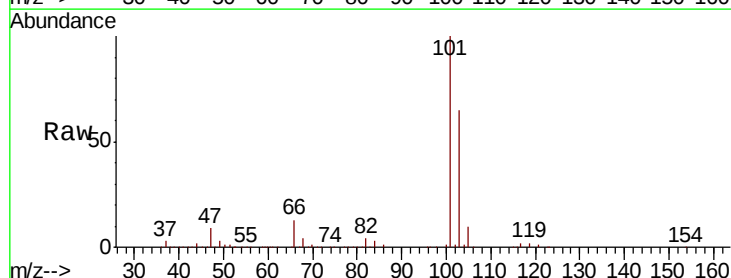
Acq: 08 Jun 2020 12:15

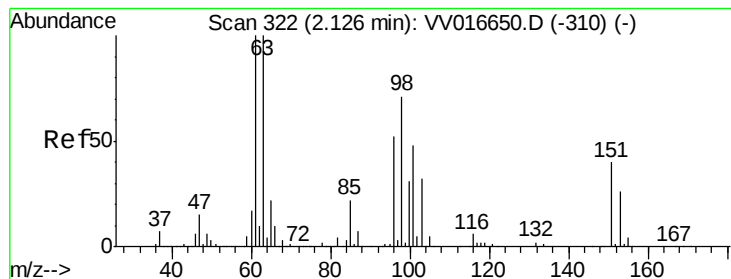
Tgt Ion: 101 Resp: 214724

Ion Ratio Lower Upper

101 100

103 64.7 51.3 76.9





#10

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

Concen: 49.194 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

VICV62

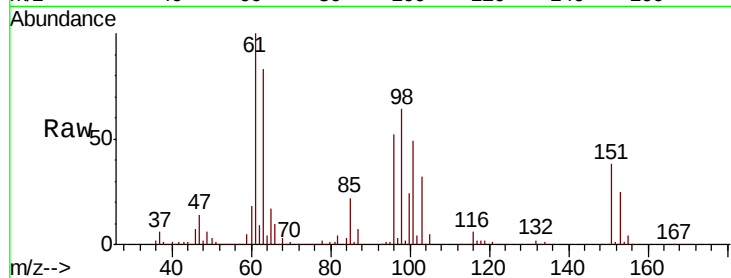
Tot Ion:101 Resp: 106126

Ion Ratio Lower Upper

101 100

85 45.2 35.5 53.3

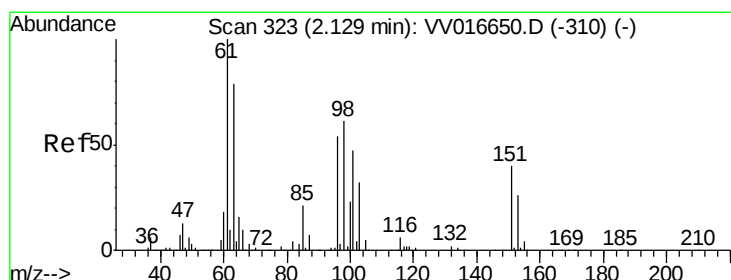
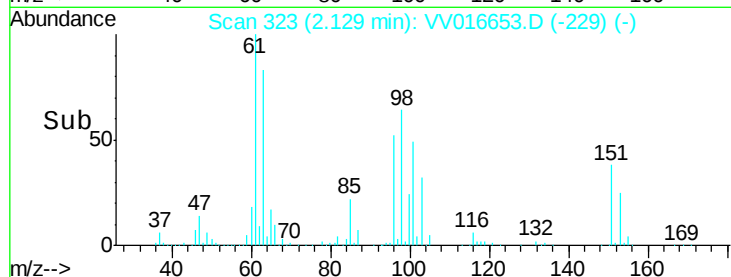
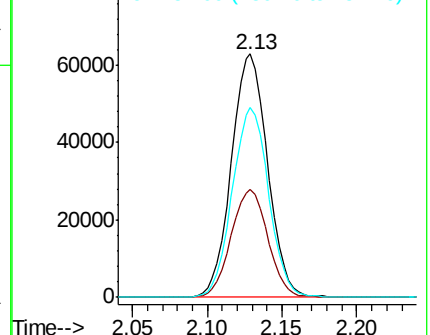
151 78.6 63.9 95.9



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: 48.514 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

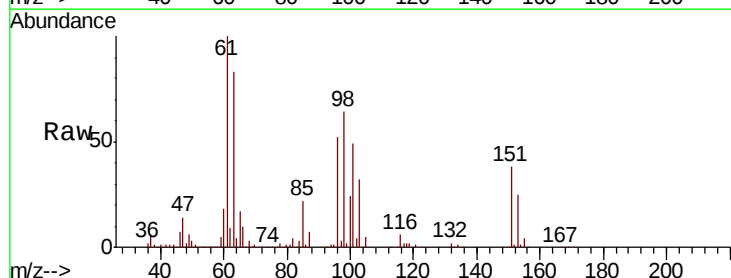
Tgt Ion: 96 Resp: 97702

Ion Ratio Lower Upper

96 100

61 191.3 130.4 242.2

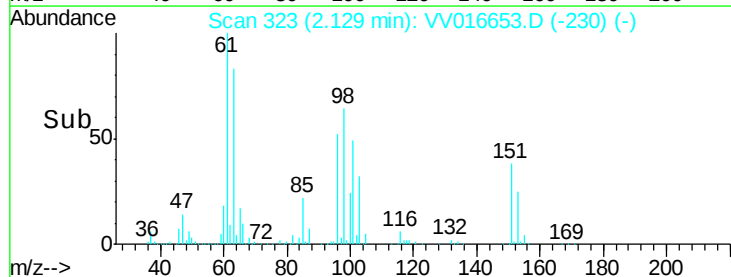
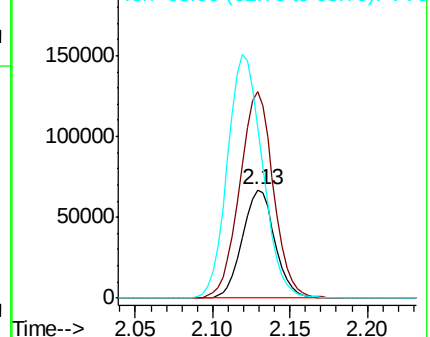
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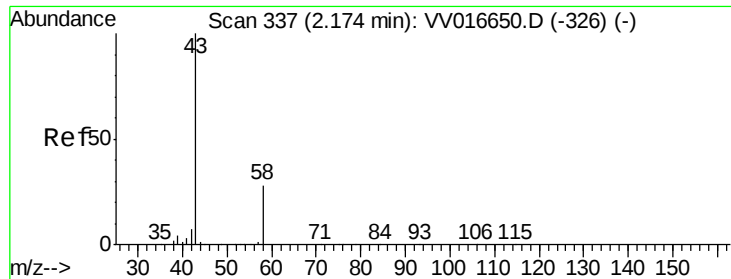


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 102.946 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

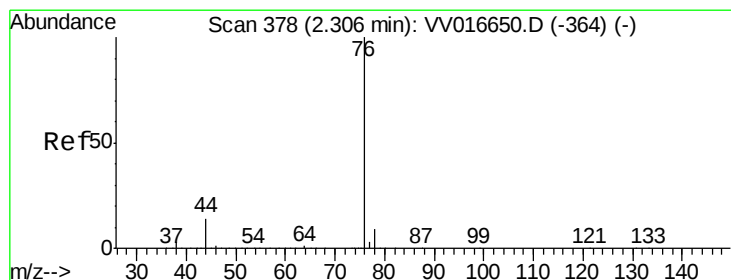
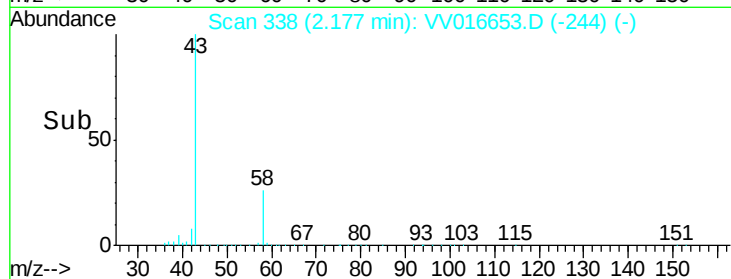
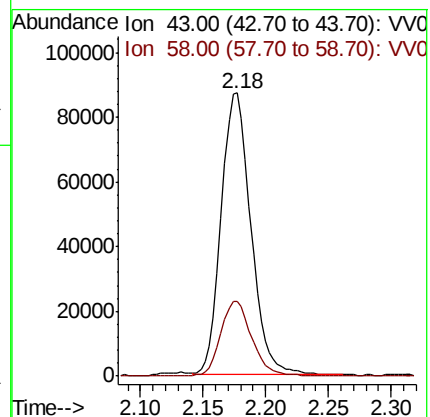
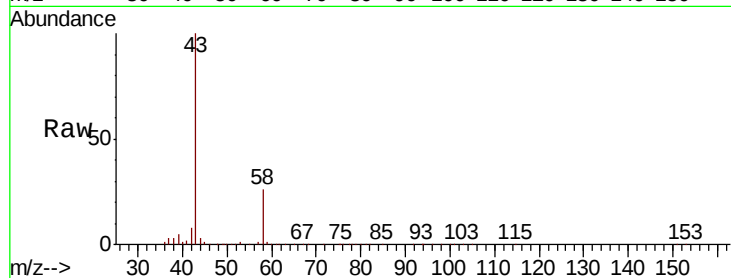
VICV62

Tot Ion: 43 Resp: 143736

Ion Ratio Lower Upper

43 100

58 27.1 0.0 55.2



#14

Carbon disulfide

Concen: 49.435 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016653.D

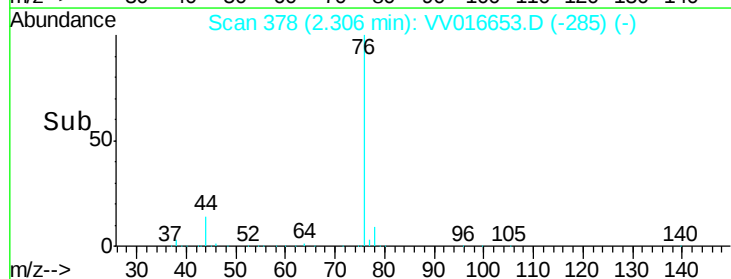
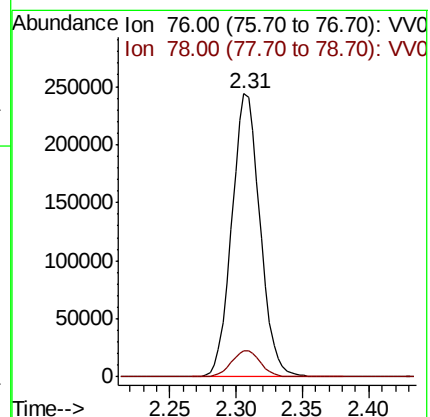
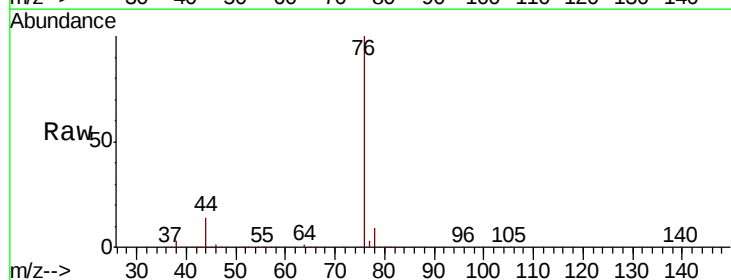
Acq: 08 Jun 2020 12:15

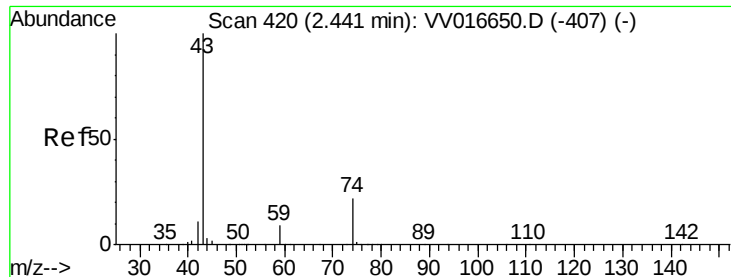
Tgt Ion: 76 Resp: 360461

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methvl Acetate

Concen: 50.174 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

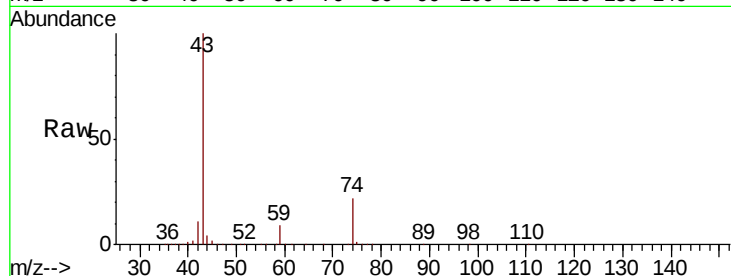
VICV62

Tot Ion: 43 Resp: 156140

Ion Ratio Lower Upper

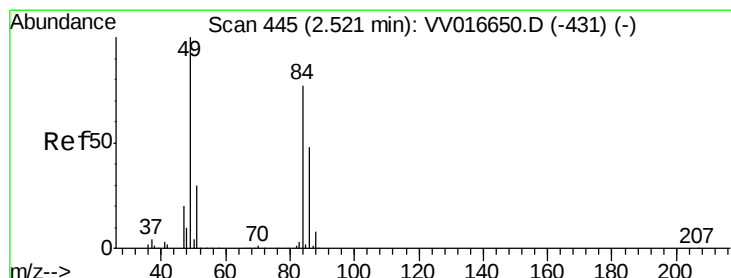
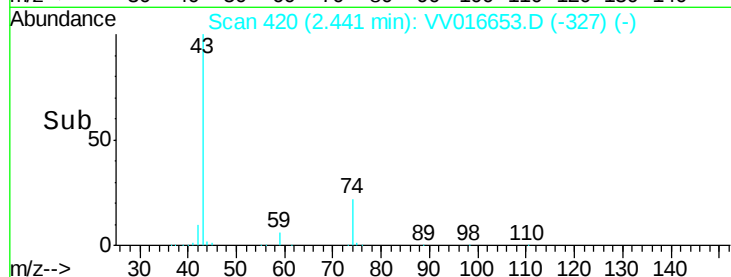
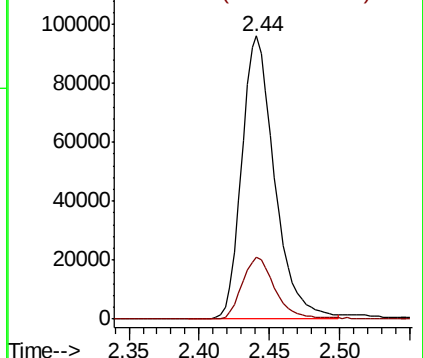
43 100

74 21.7 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: 47.249 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

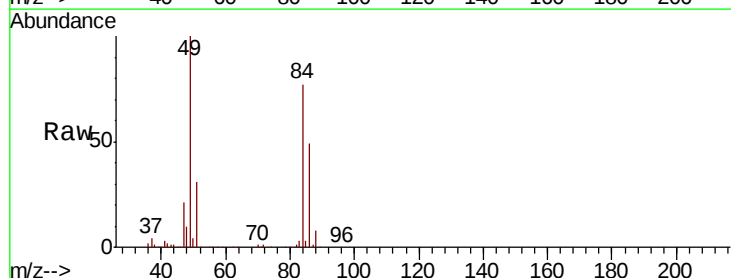
Tgt Ion: 84 Resp: 139628

Ion Ratio Lower Upper

84 100

86 63.5 44.0 81.8

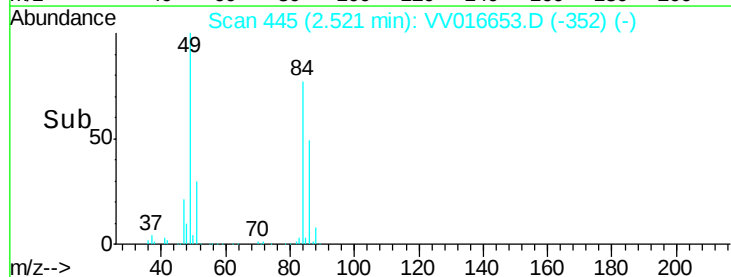
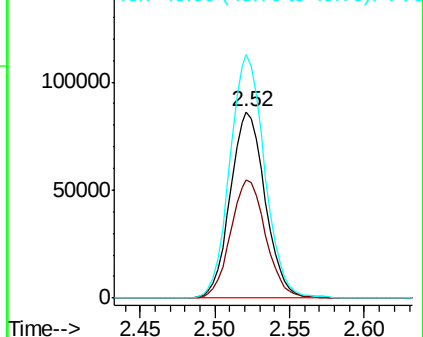
49 130.5 90.9 168.9

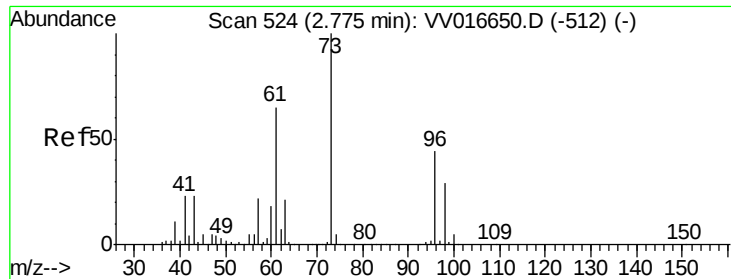


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.249 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VICV62

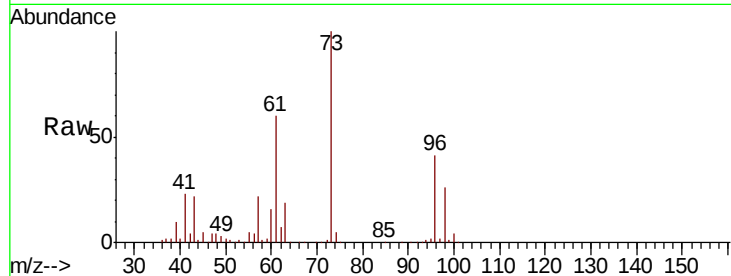
Tot Ion: 96 Resp: 132484

Ion Ratio Lower Upper

96 100

61 148.0 102.9 191.1

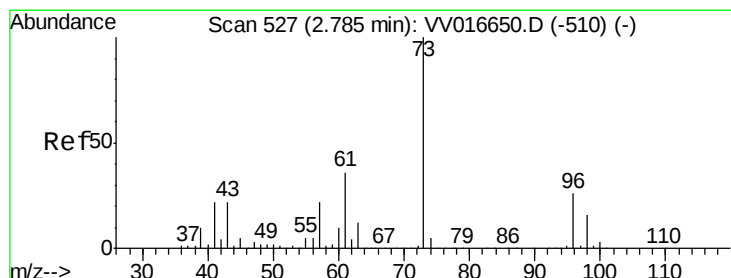
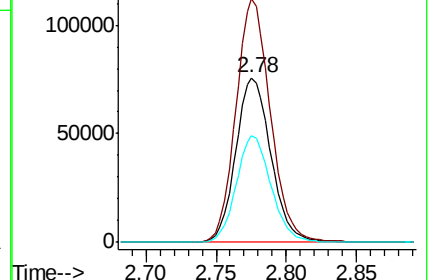
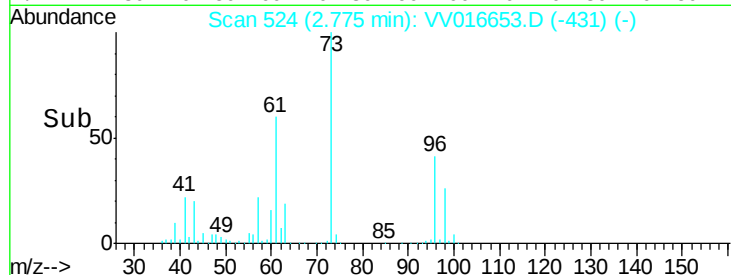
98 64.6 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV016653.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV016653.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV016653.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 49.337 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

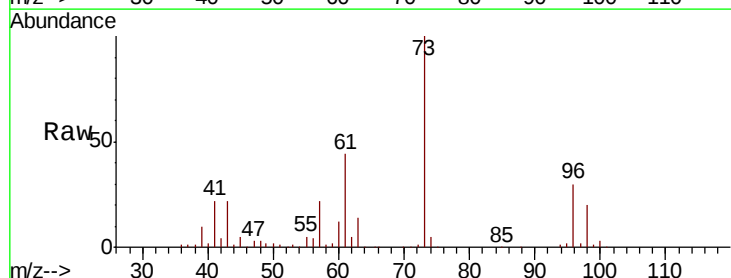
Tgt Ion: 73 Resp: 448887

Ion Ratio Lower Upper

73 100

43 22.1 17.8 26.6

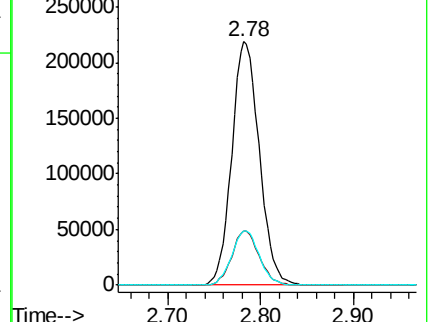
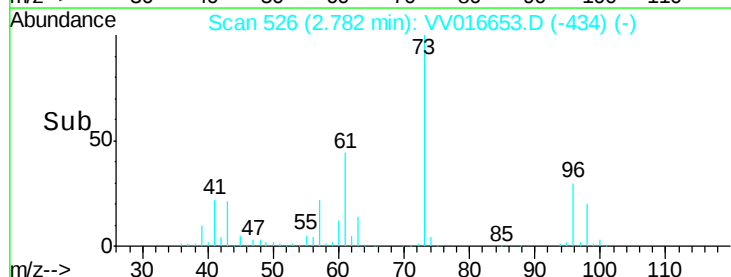
57 22.3 17.7 26.5

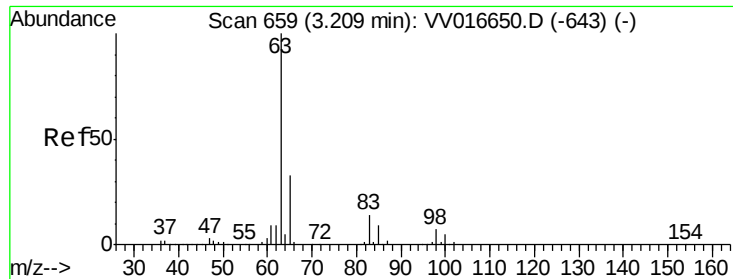


Abundance Ion 73.00 (72.70 to 73.70): VV016653.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV016653.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV016653.D (-434) (-)

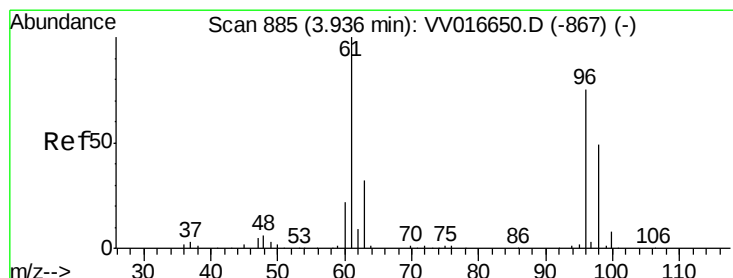
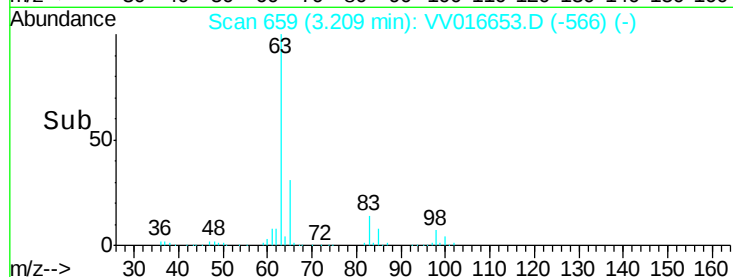
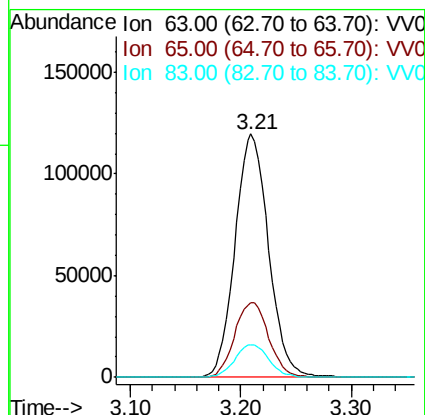
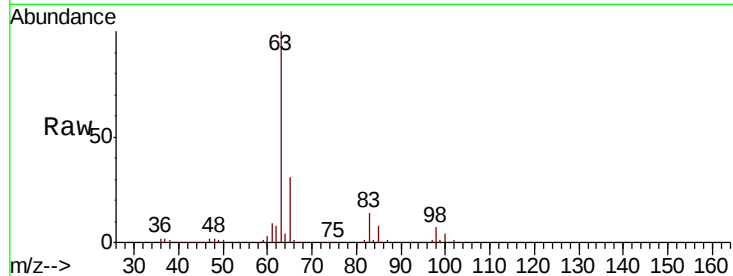




#19
 1,1-Dichloroethane
 Concen: 48.601 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

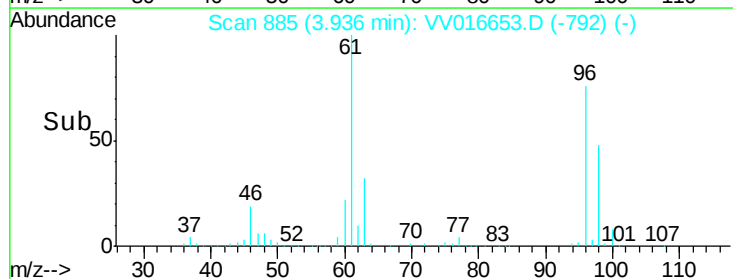
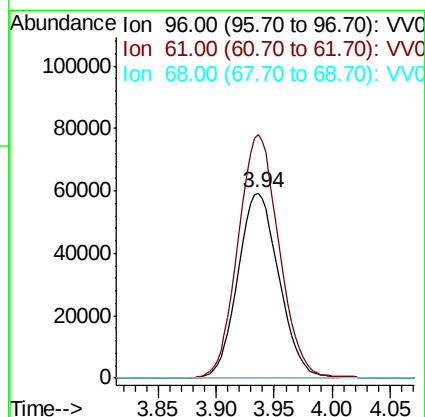
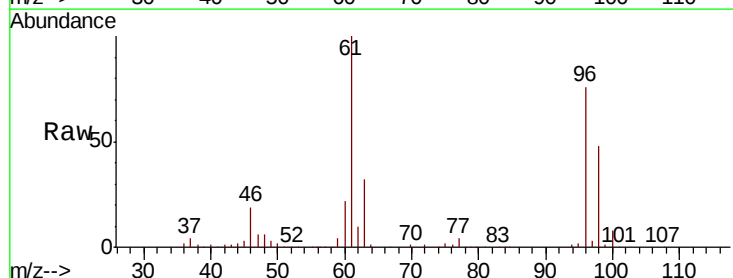
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

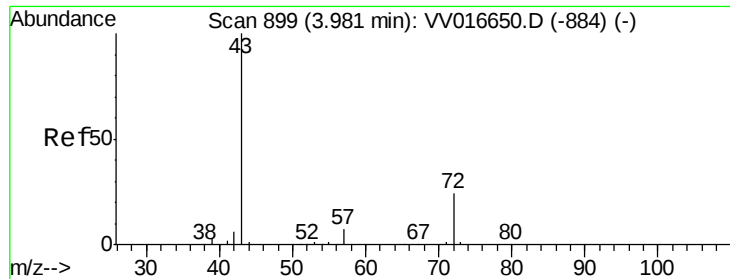
Tot Ion: 63 Resp: 251198
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.2 43.0
 83 13.5 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.849 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Tgt Ion: 96 Resp: 146229
 Ion Ratio Lower Upper
 96 100
 61 131.5 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.390 ug/L

RT: 3.98 min Scan# 899

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

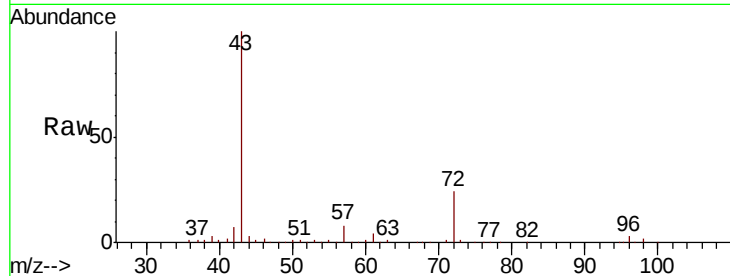
VICV62

Tot Ion: 43 Resp: 229066

Ion Ratio Lower Upper

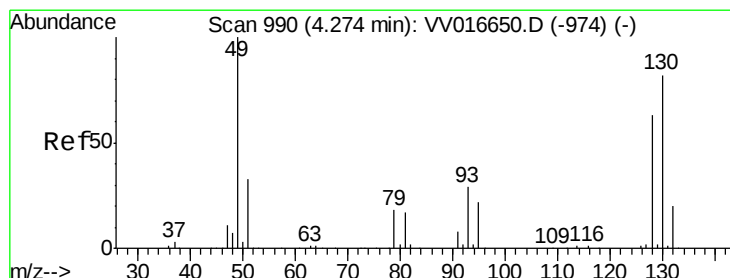
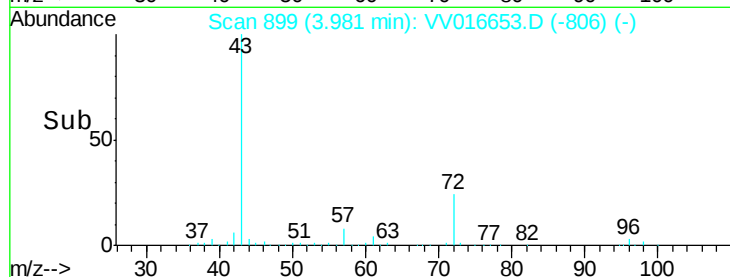
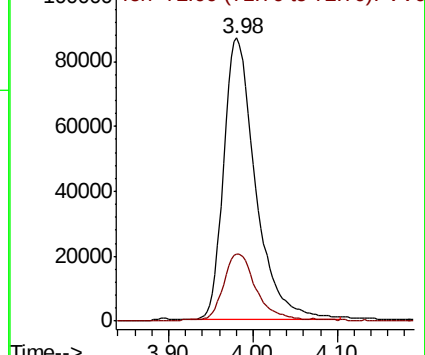
43 100

72 23.8 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016653.D (-806) (-)

Ion 72.00 (71.70 to 72.70): VV016653.D (-806) (-)



#23

Bromochloromethane

Concen: 48.516 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Tgt Ion: 128 Resp: 76506

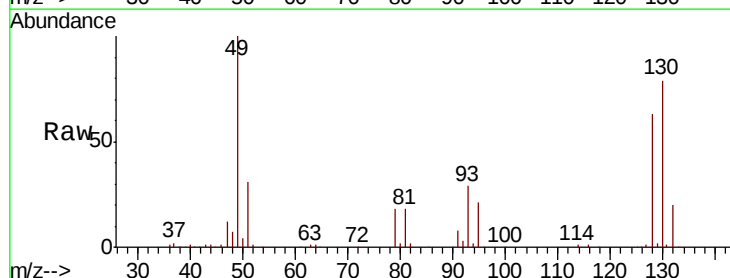
Ion Ratio Lower Upper

128 100

49 159.9 111.9 207.9

130 126.4 91.5 169.9

51 50.3 42.1 63.1

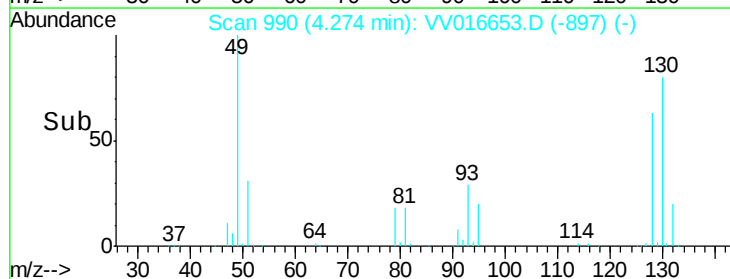
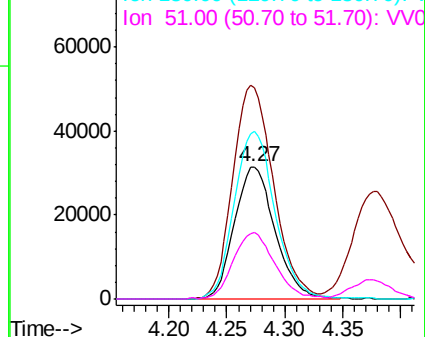


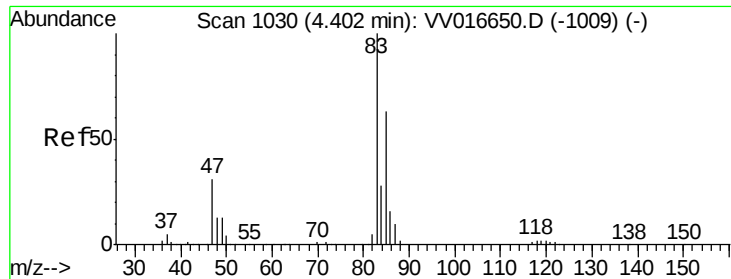
Abundance Ion 128.00 (127.70 to 128.70): VV016653.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016653.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016653.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016653.D (-897) (-)

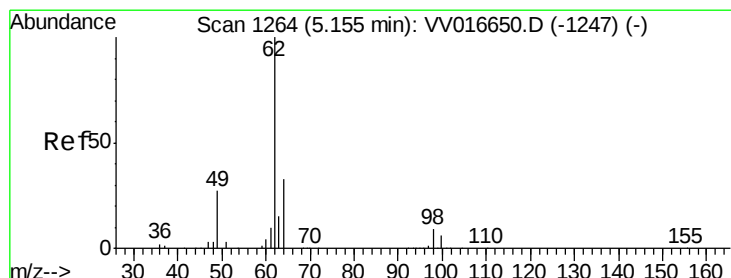
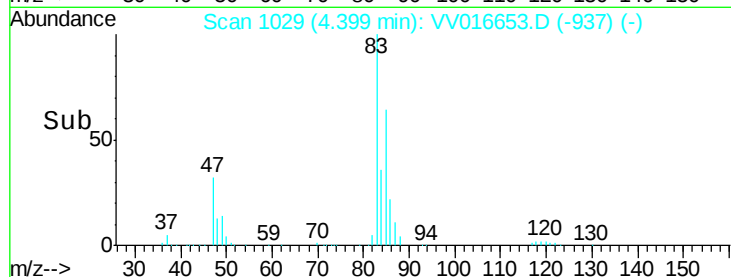
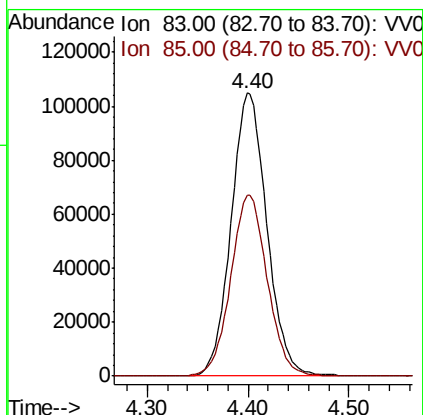
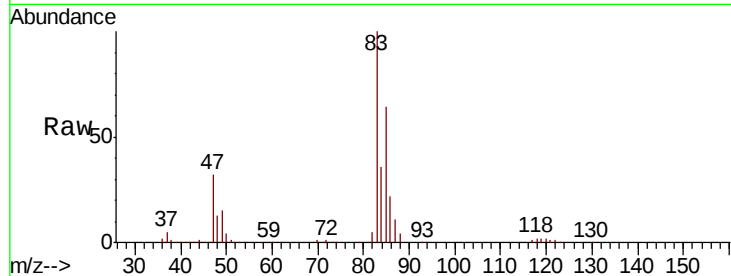




#25
Chloroform
Concen: 48.626 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

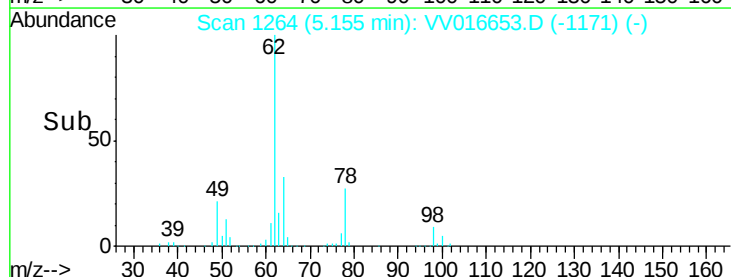
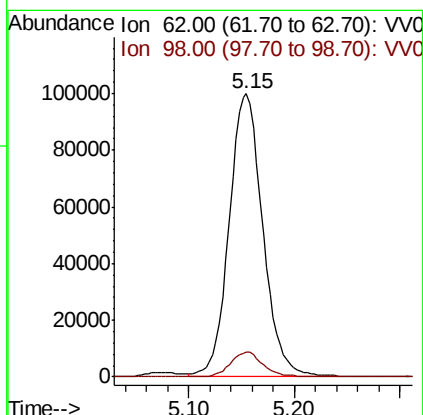
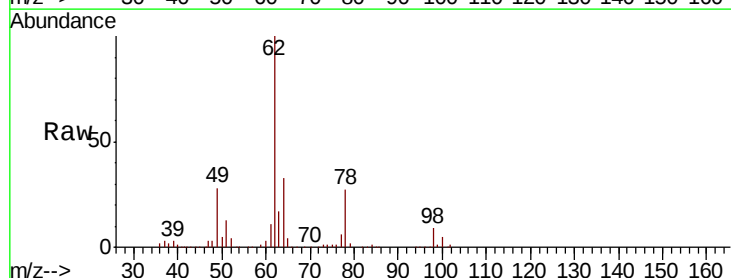
Instrument :
MSVOA_V
ClientSampleId :
VICV62

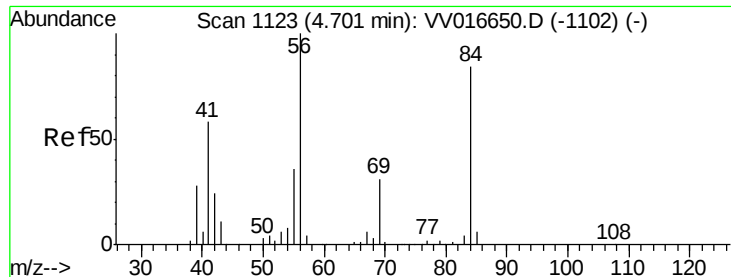
Tot Ion: 83 Resp: 258291
Ion Ratio Lower Upper
83 100
85 63.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 49.185 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Tgt Ion: 62 Resp: 219011
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.2

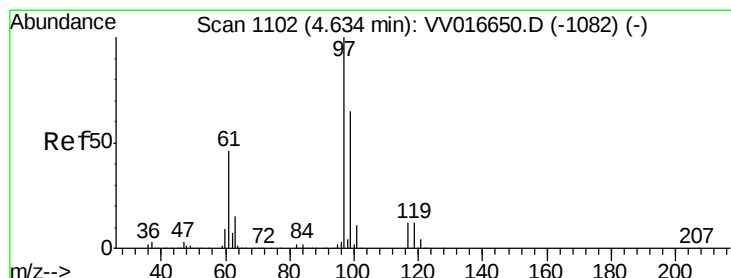
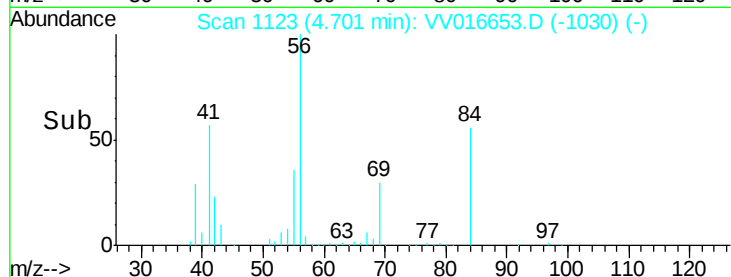
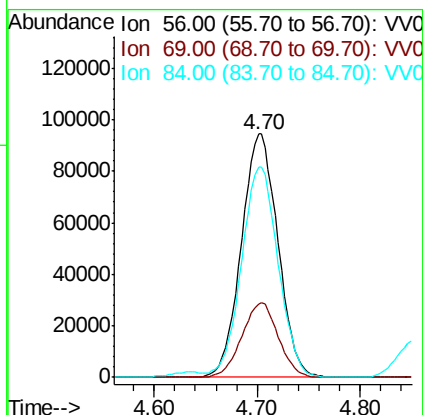
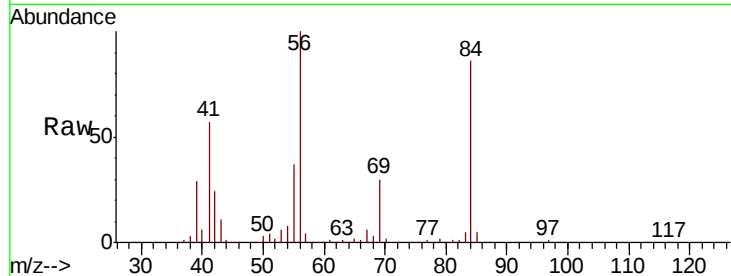




#29
Cyclohexane
Concen: 48.997 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

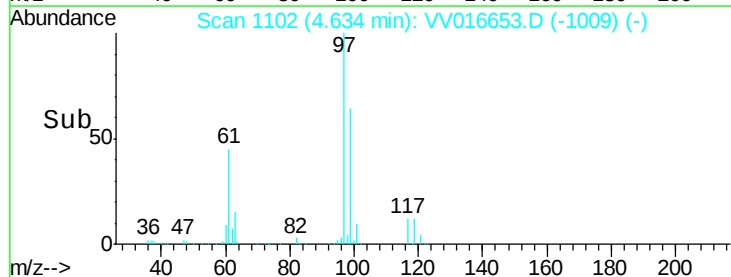
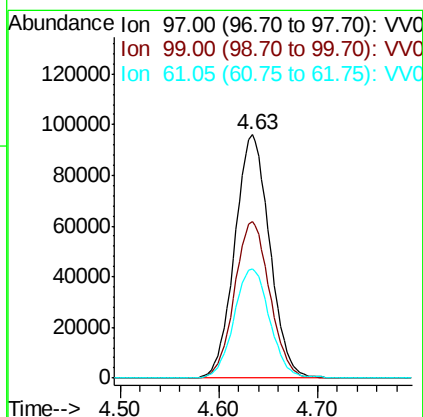
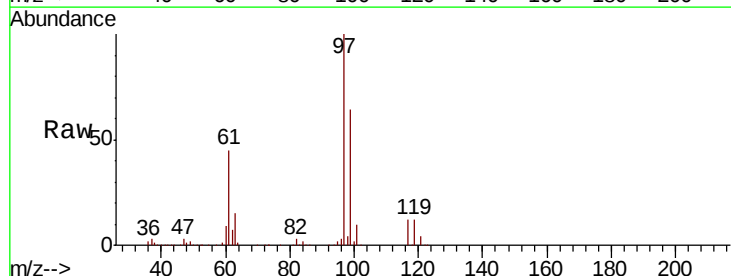
Instrument :
MSVOA_V
ClientSampleId :
VICV62

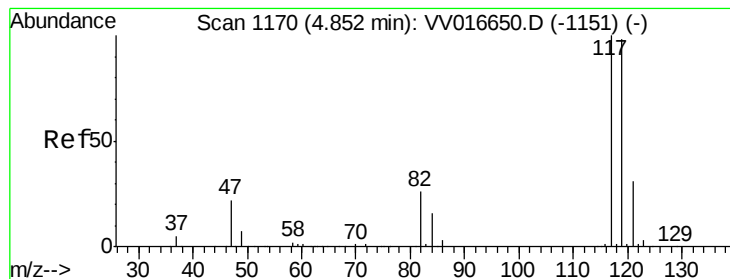
Tot Ion: 56 Resp: 232239
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.4
84 86.7 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 48.403 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Tgt Ion: 97 Resp: 235448
Ion Ratio Lower Upper
97 100
99 65.1 51.3 76.9
61 45.8 36.7 55.1





#31

Carbon tetrachloride

Concen: 49.681 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

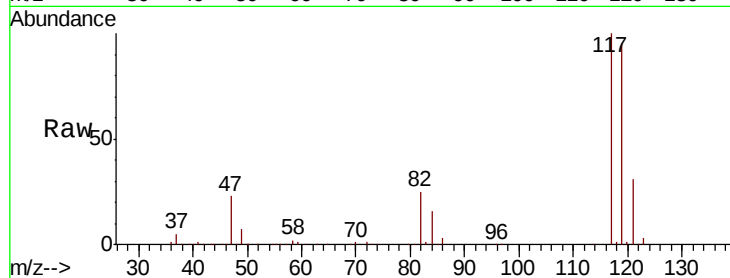
VICV62

Tot Ion:117 Resp: 209061

Ion Ratio Lower Upper

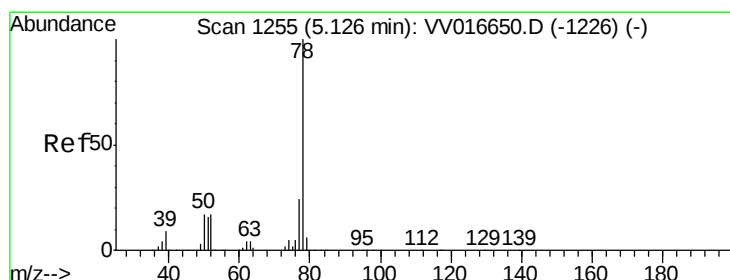
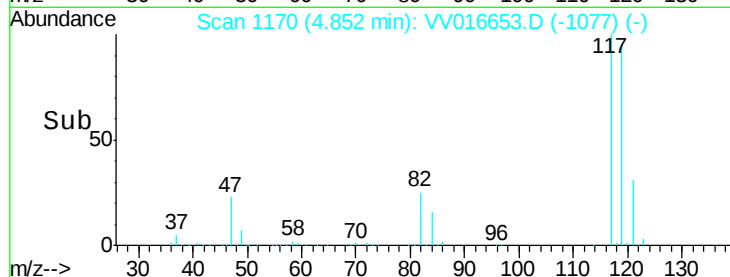
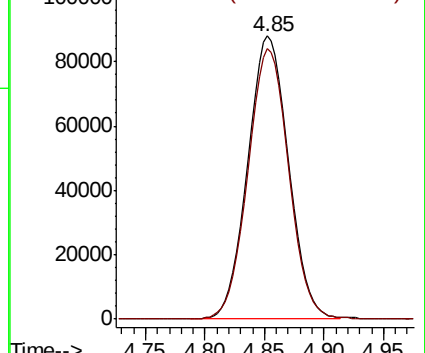
117 100

119 95.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.672 ug/L

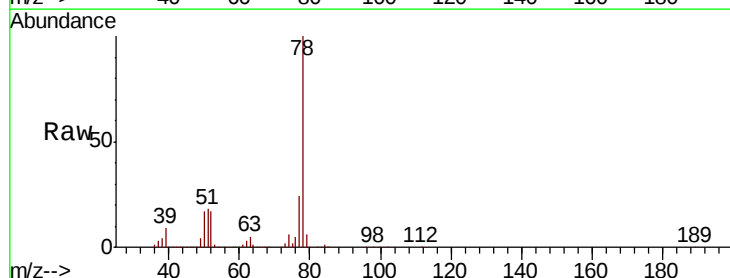
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

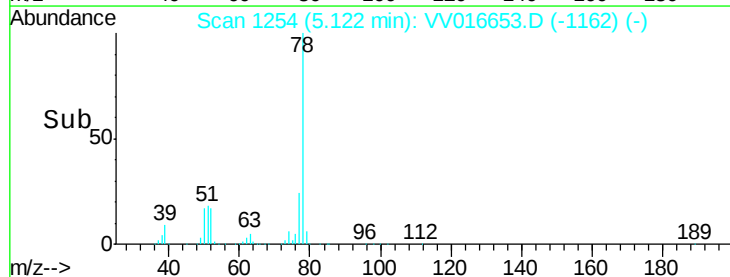
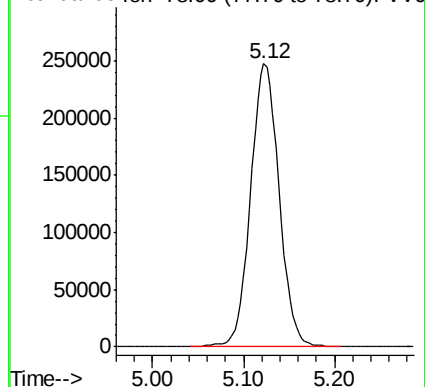
Lab File: VV016653.D

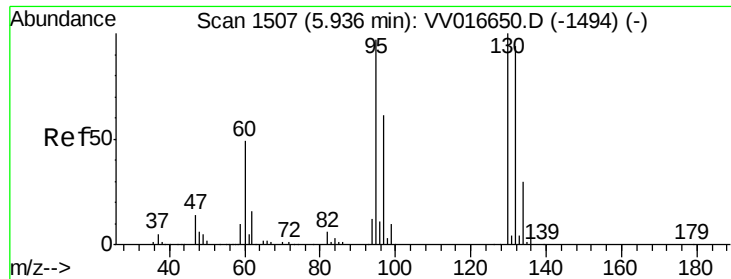
Acq: 08 Jun 2020 12:15

Tgt Ion: 78 Resp: 537996



Abundance Ion 78.00 (77.70 to 78.70): VV0

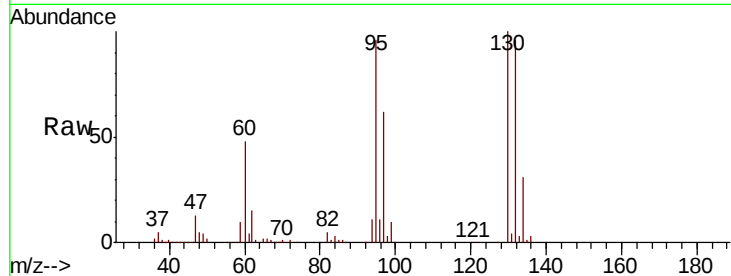




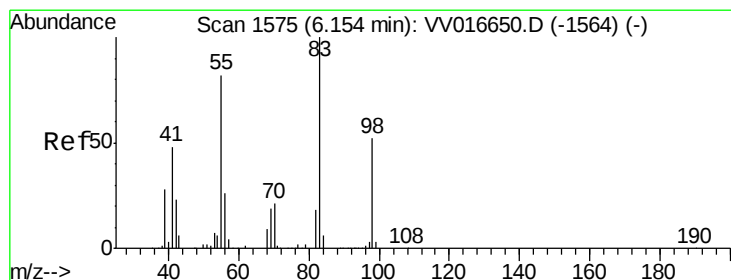
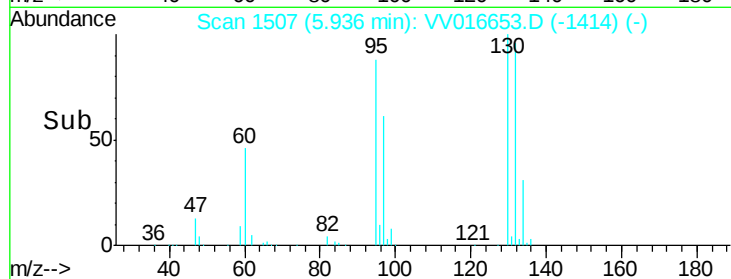
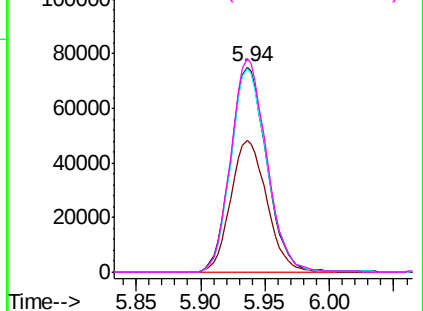
#34
 Trichloroethene
 Concen: 48.281 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Tot Ion:	95	Resp:	146131
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.3	82.3
132	99.6	67.9	126.1
130	104.2	72.2	134.2

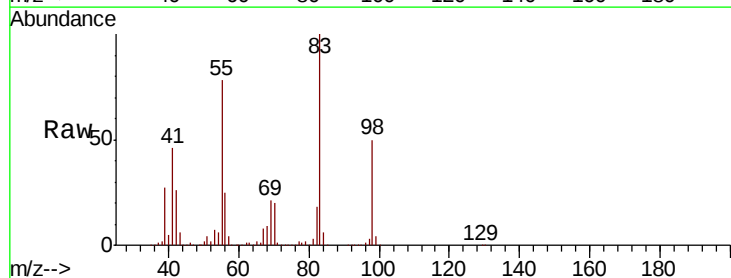


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

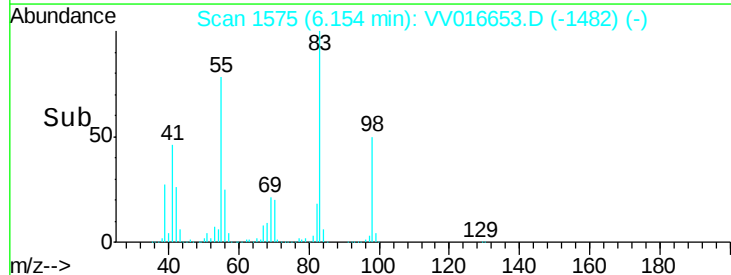
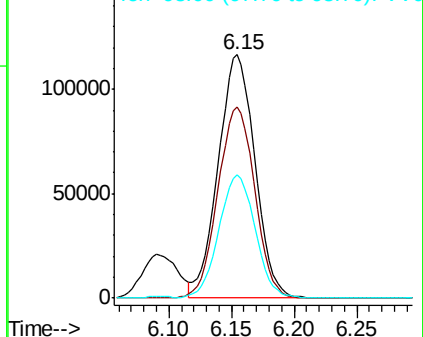


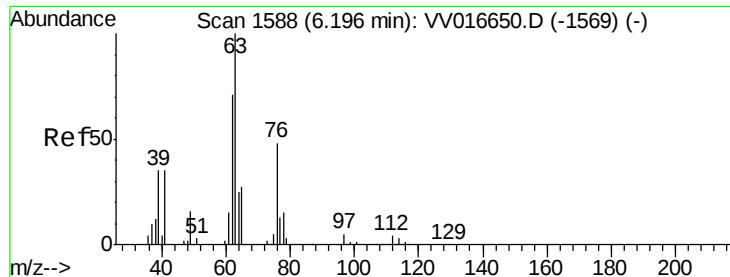
#35
 Methylcyclohexane
 Concen: 50.108 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Tgt Ion:	83	Resp:	237923
Ion	Ratio	Lower	Upper
83	100		
55	78.2	64.2	96.2
98	49.9	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: 48.630 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

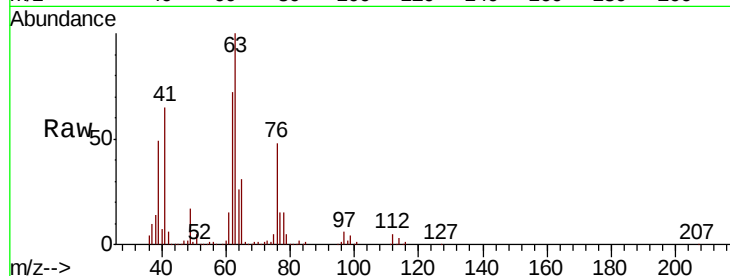
VICV62

Tot Ion: 63 Resp: 142720

Ion Ratio Lower Upper

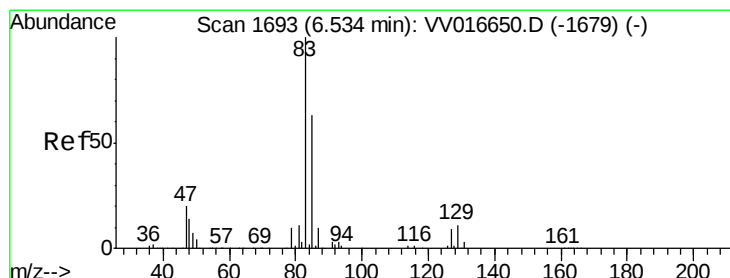
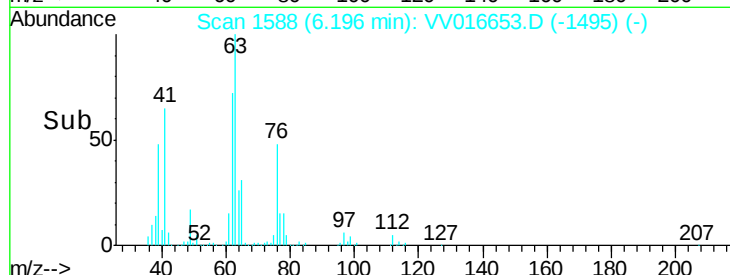
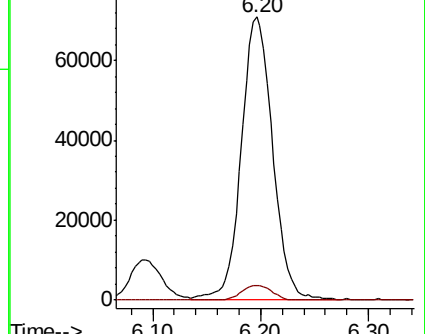
63 100

112 5.1 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 49.519 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

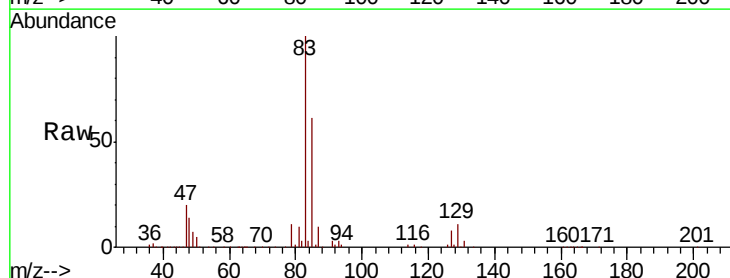
Tgt Ion: 83 Resp: 193462

Ion Ratio Lower Upper

83 100

85 61.4 44.4 82.5

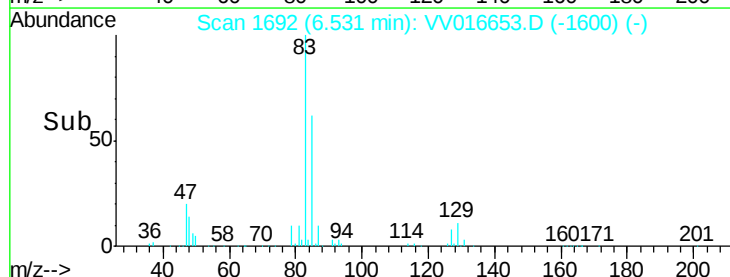
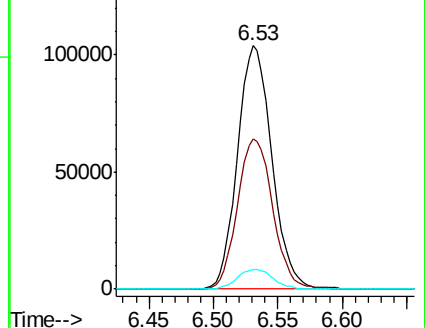
127 8.0 7.4 11.0

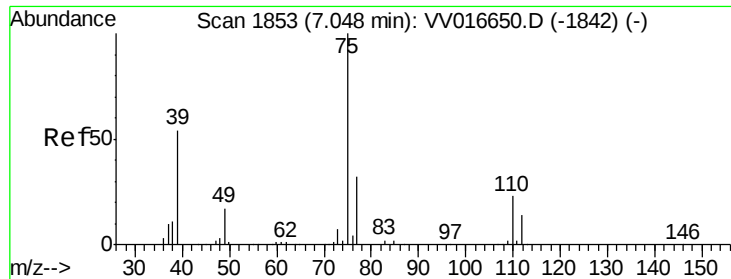


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

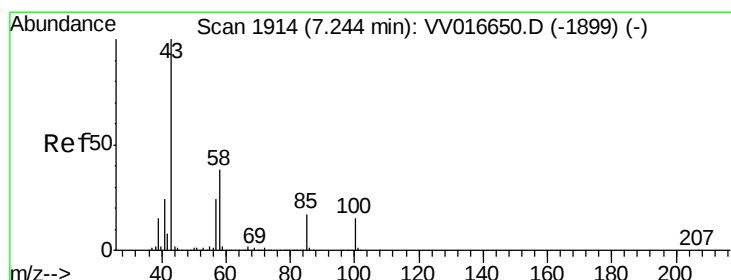
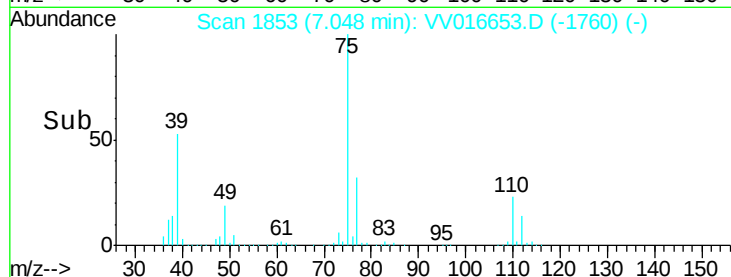
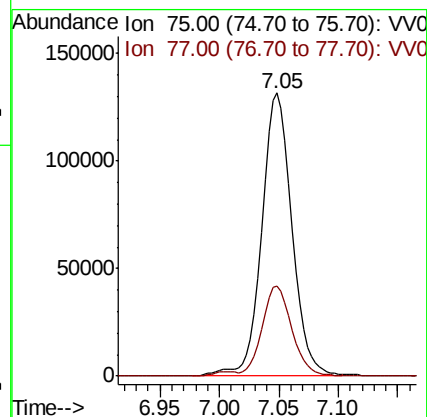
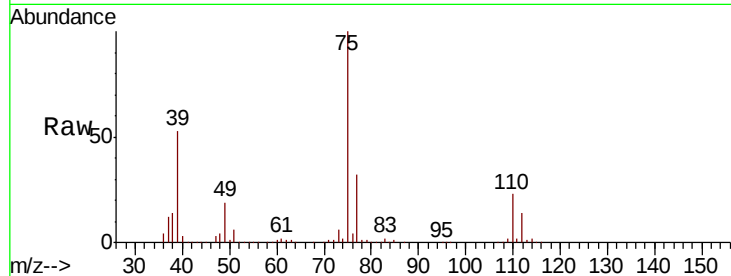




#39
 cis-1,3-Dichloropropene
 Concen: 50.918 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

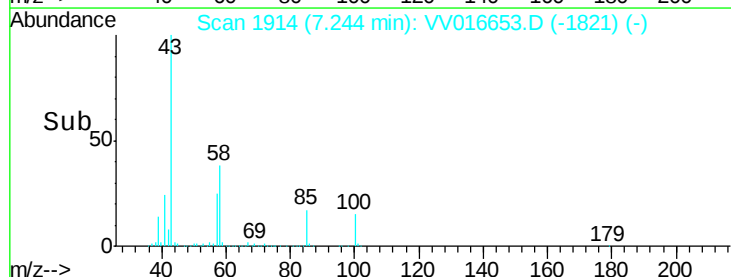
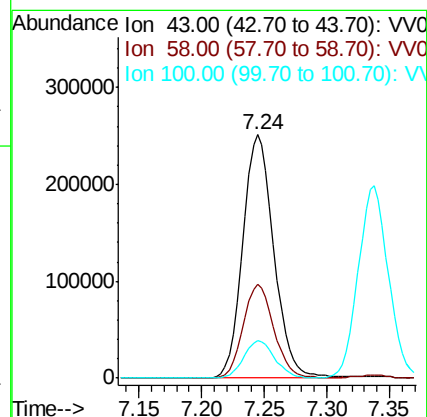
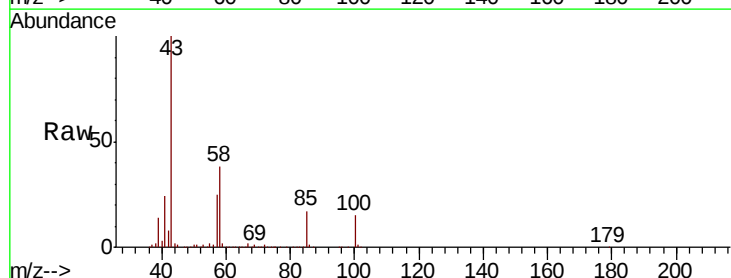
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

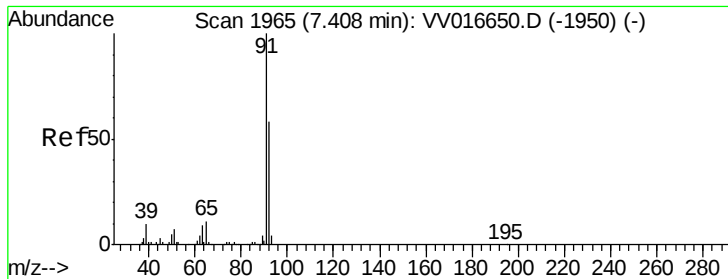
Tot Ion: 75 Resp: 232126
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 103.988 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Tgt Ion: 43 Resp: 432458
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 49.046 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

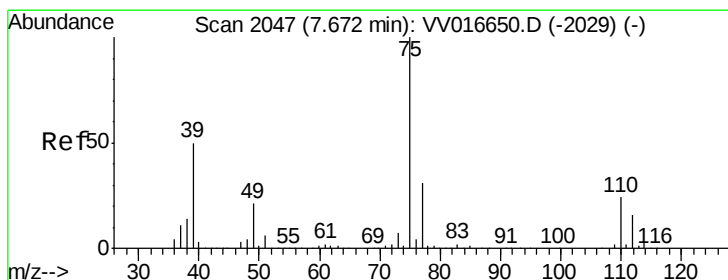
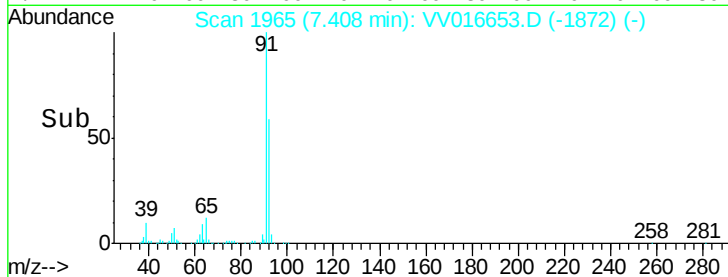
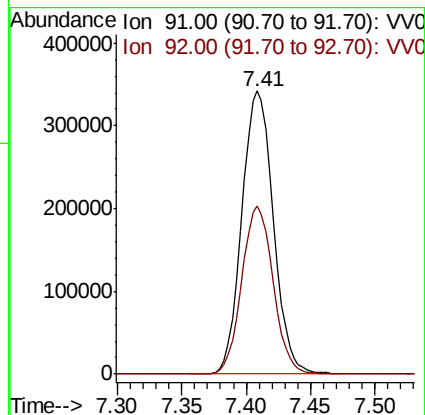
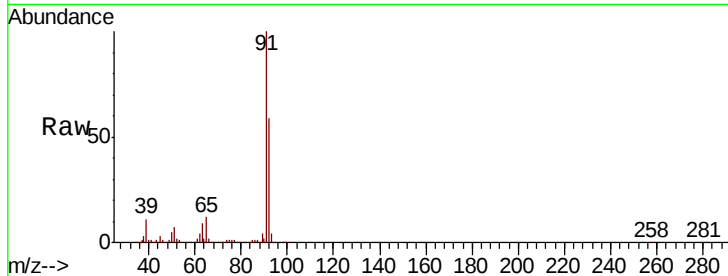
VICV62

Tot Ion: 91 Resp: 583488

Ion Ratio Lower Upper

91 100

92 59.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.794 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016653.D

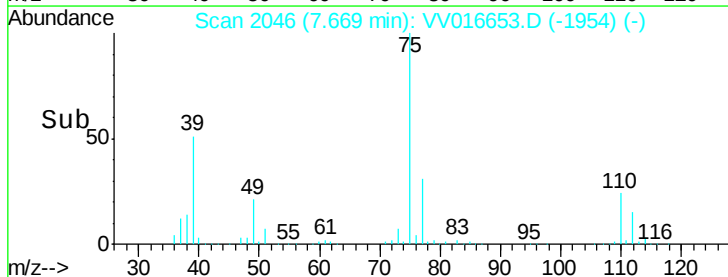
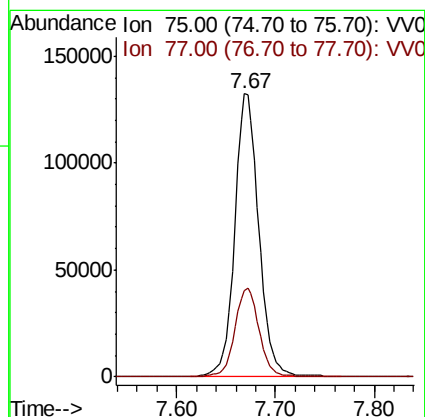
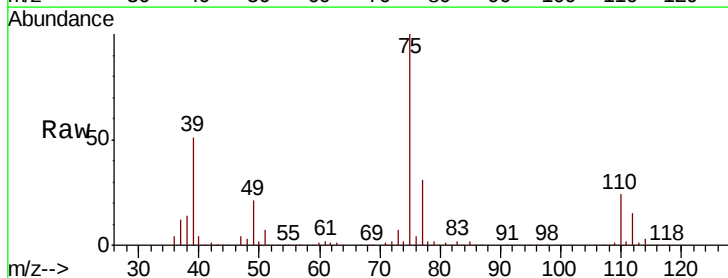
Acq: 08 Jun 2020 12:15

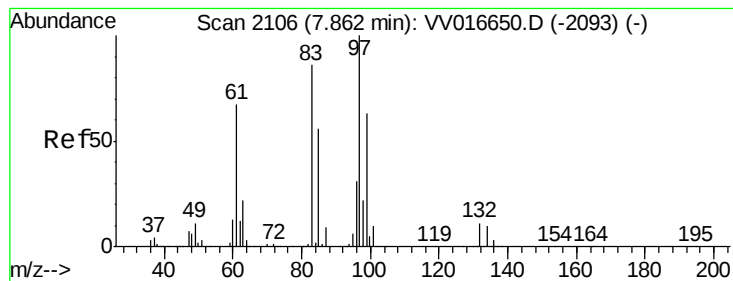
Tgt Ion: 75 Resp: 225120

Ion Ratio Lower Upper

75 100

77 30.6 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 48.714 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

VICV62

Tot Ion: 97 Resp: 137932

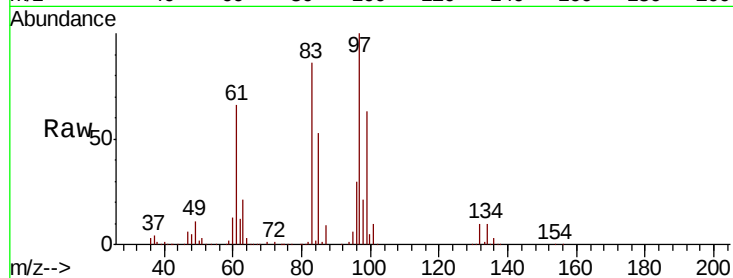
Ion Ratio Lower Upper

97 100

99 62.9 44.3 82.3

83 86.2 60.0 111.4

85 52.9 39.5 73.3

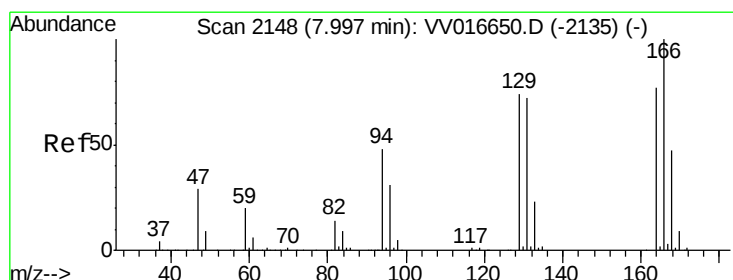
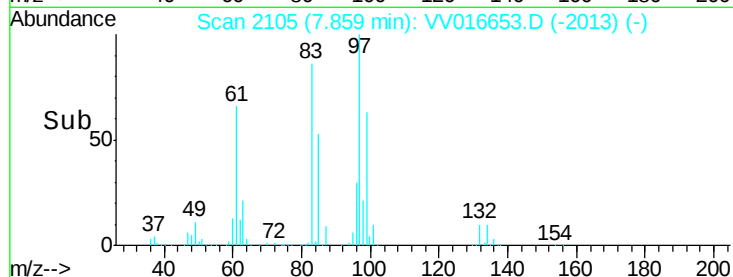
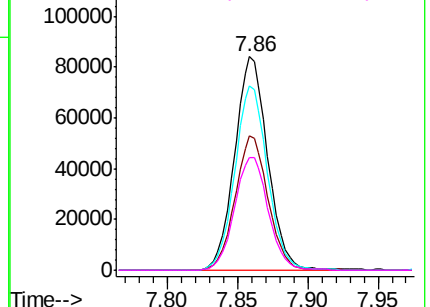


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.677 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Tgt Ion: 164 Resp: 118253

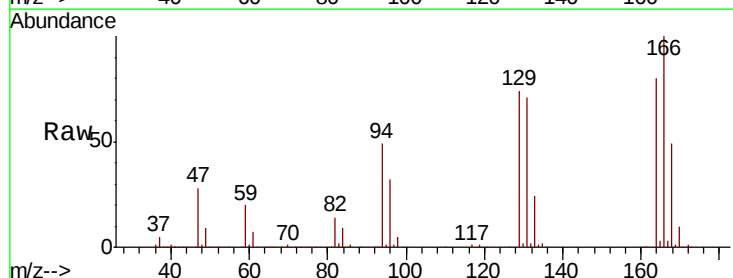
Ion Ratio Lower Upper

164 100

129 92.0 67.0 124.4

131 88.6 64.8 120.3

166 124.8 90.4 167.8

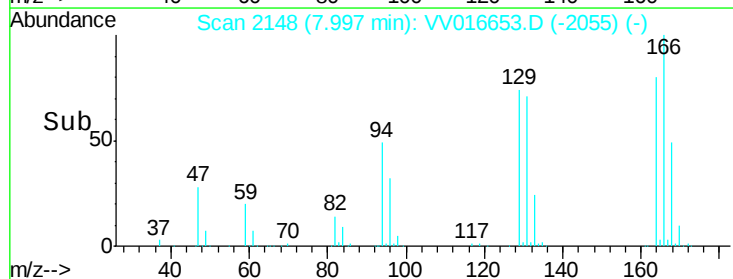
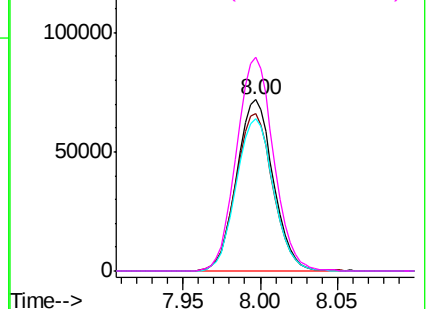


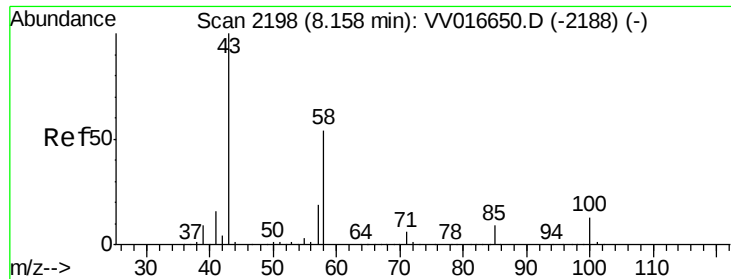
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

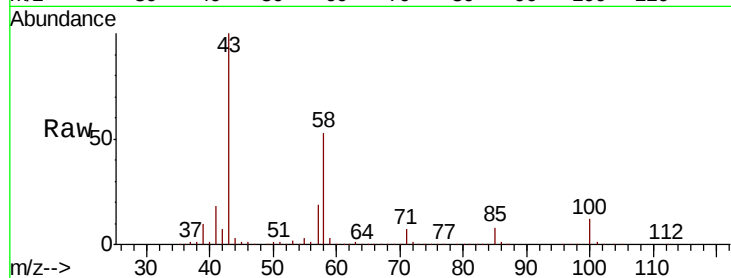




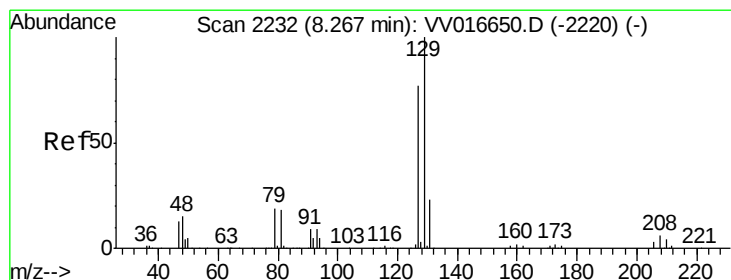
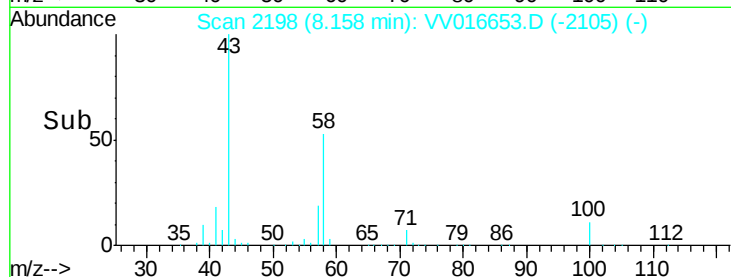
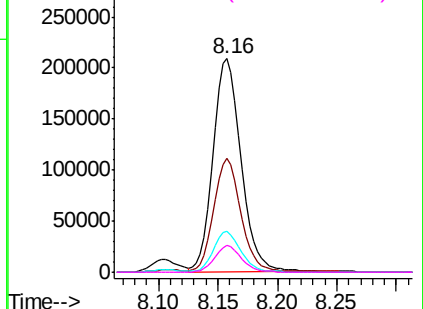
#48
2-Hexanone
Concen: 105.668 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :
VICV62

Tot Ion: 43 Resp: 340729
Ion Ratio Lower Upper
43 100
58 51.1 43.1 64.7
57 19.0 15.3 22.9
100 12.1 10.0 15.0

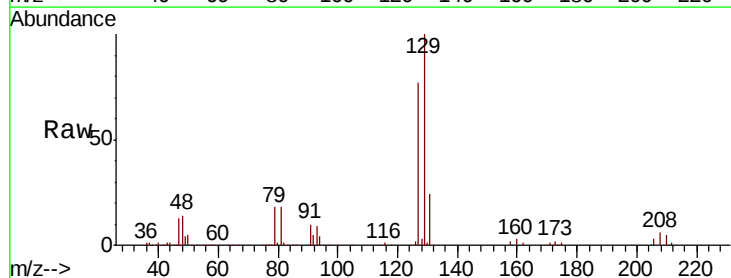


Abundance Ion 43.00 (42.70 to 43.70): VV016653.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV016653.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV016653.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV016653.D (-2105) (-)

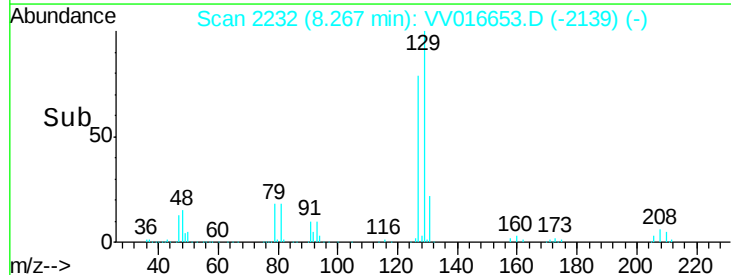
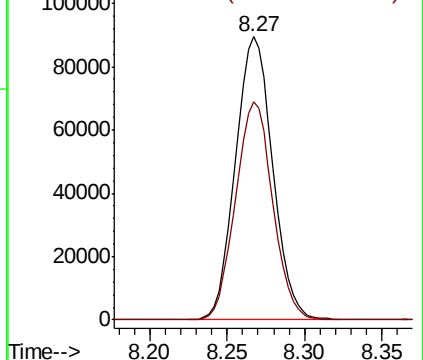


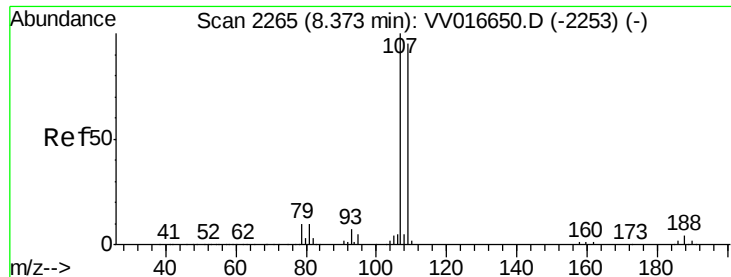
#49
Dibromochloromethane
Concen: 49.493 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Tgt Ion: 129 Resp: 149838
Ion Ratio Lower Upper
129 100
127 76.9 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016653.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV016653.D (-2139) (-)

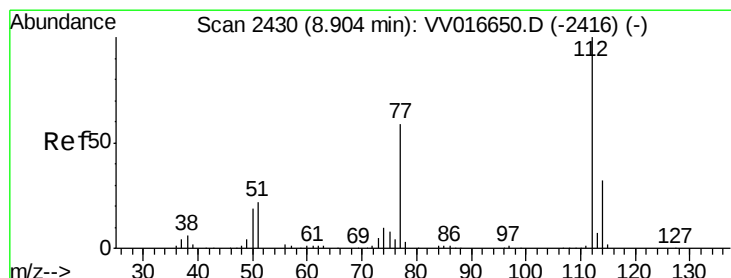
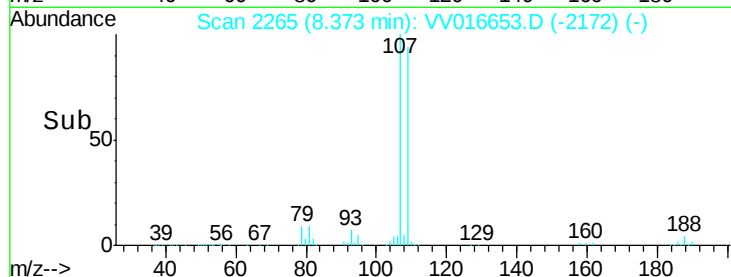
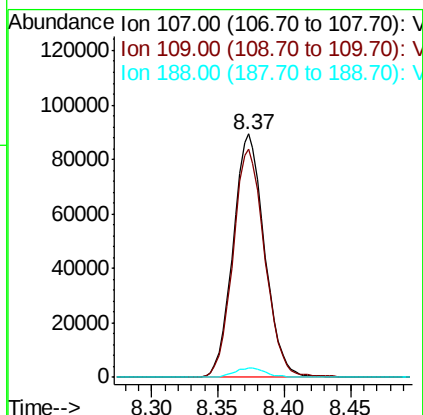
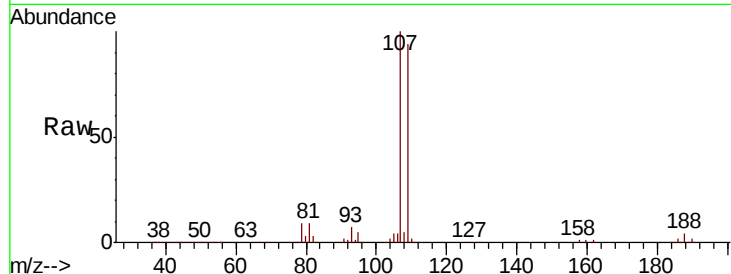




#50
1,2-Dibromoethane
Concen: 49.381 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

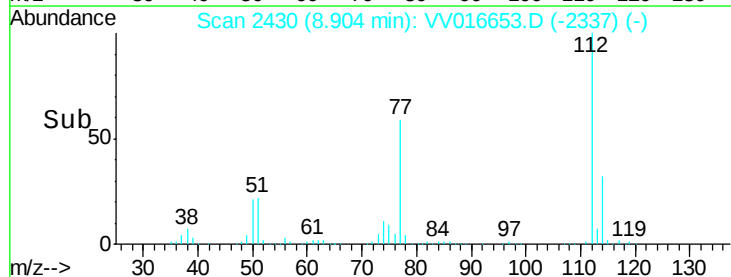
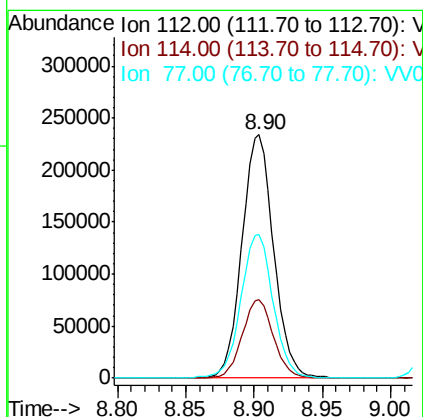
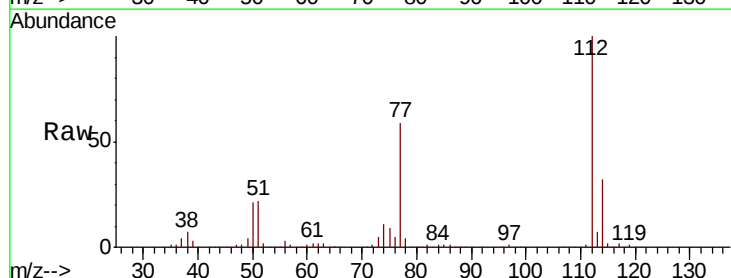
Instrument :
MSVOA_V
ClientSampleId :
VICV62

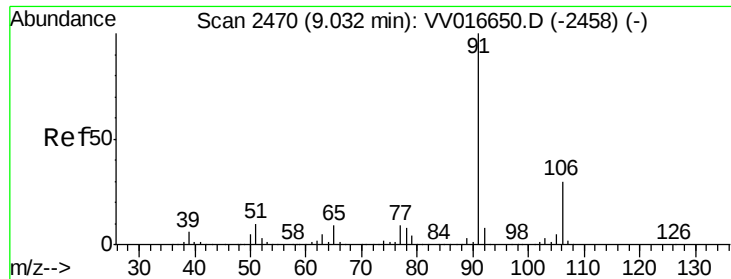
Tot Ion:107 Resp: 146421
Ion Ratio Lower Upper
107 100
109 93.8 66.4 123.2
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 48.609 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Tgt Ion:112 Resp: 377292
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 59.0 47.9 71.9

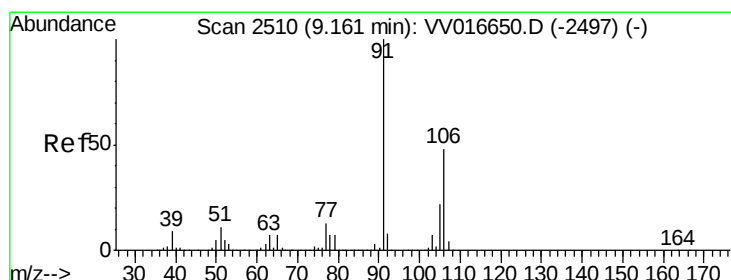
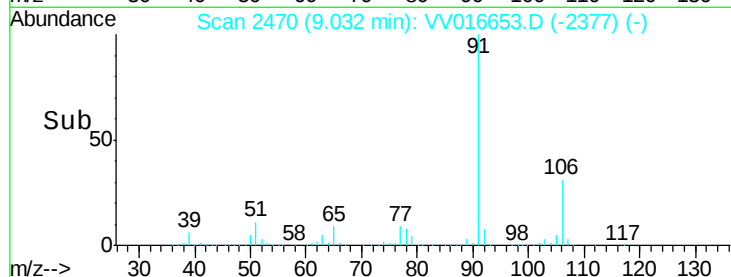
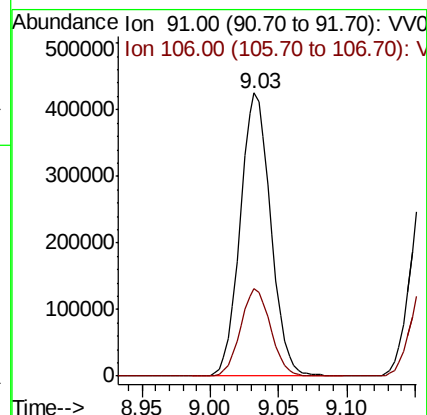
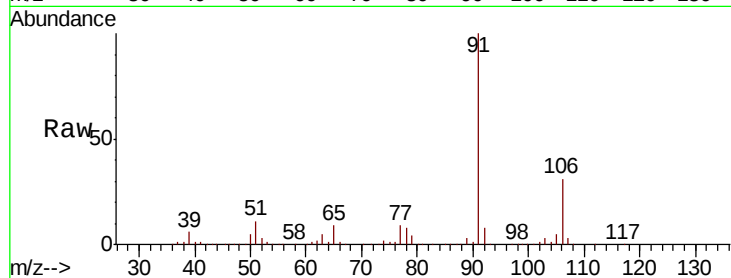




#52
Ethylbenzene
Concen: 50.006 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

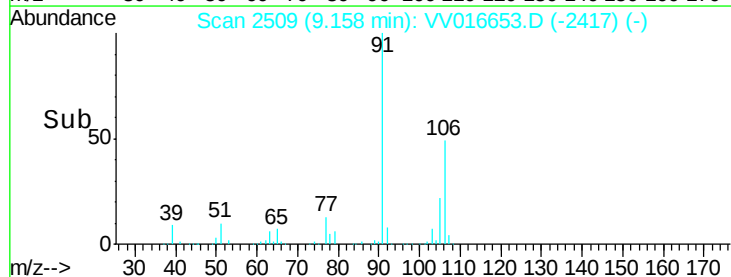
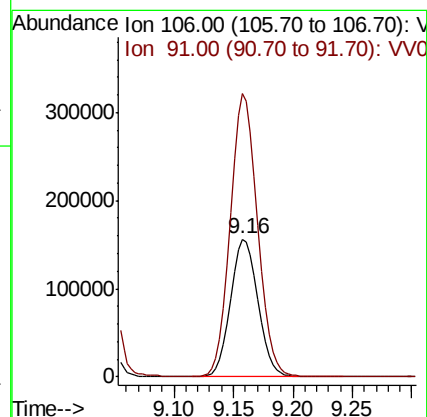
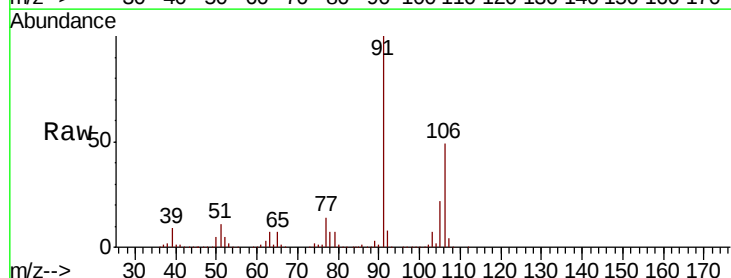
Instrument :
MSVOA_V
ClientSampleId :
VICV62

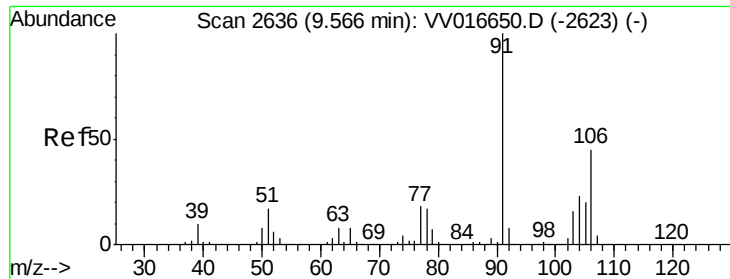
Tot Ion: 91 Resp: 658944
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.1



#53
m,p-Xylene
Concen: 50.796 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016653.D
Acq: 08 Jun 2020 12:15

Tgt Ion: 106 Resp: 249222
Ion Ratio Lower Upper
106 100
91 205.6 144.6 268.6





#54

o-xylene

Concen: 49.048 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

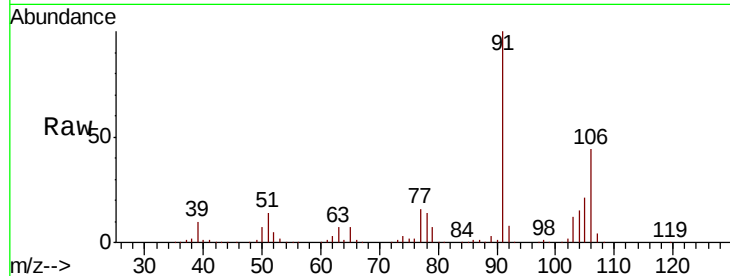
VICV62

Tot Ion:106 Resp: 237337

Ion Ratio Lower Upper

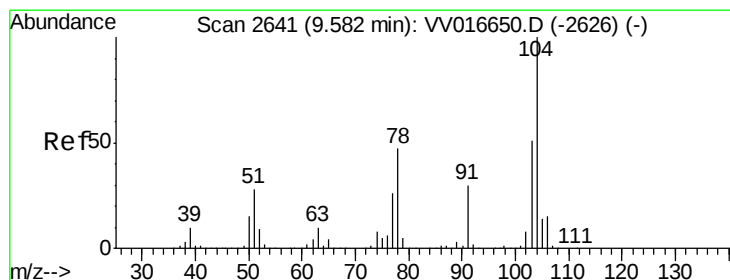
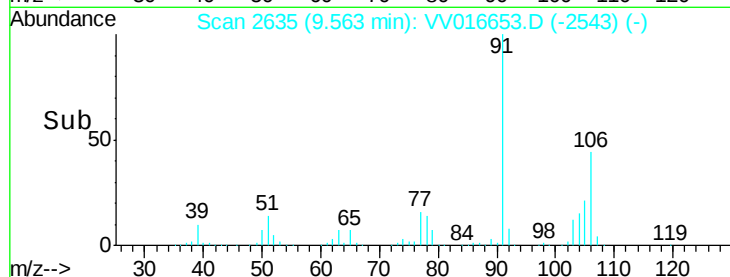
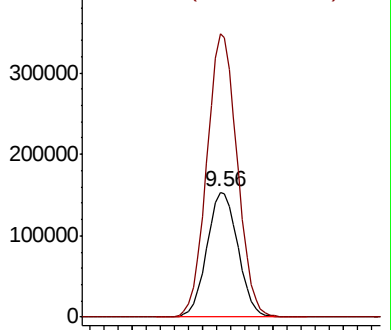
106 100

91 225.9 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.125 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV016653.D

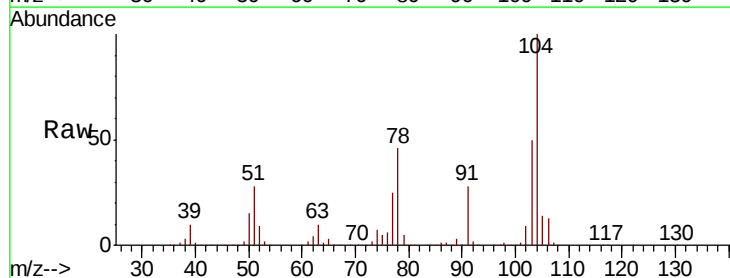
Acq: 08 Jun 2020 12:15

Tgt Ion:104 Resp: 410076

Ion Ratio Lower Upper

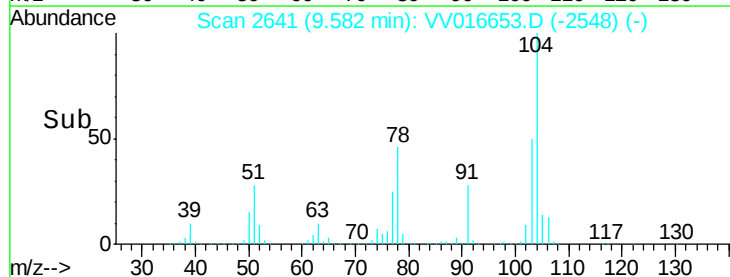
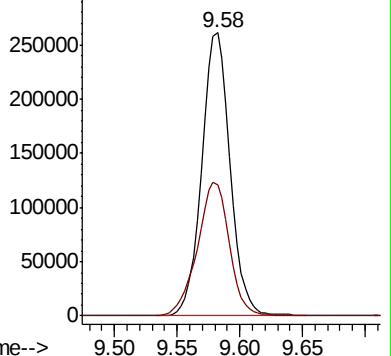
104 100

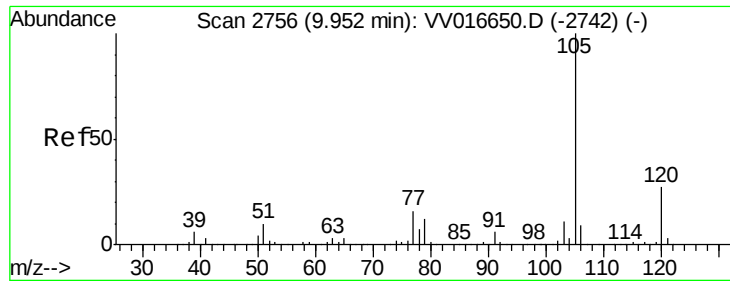
78 46.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.447 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

VICV62

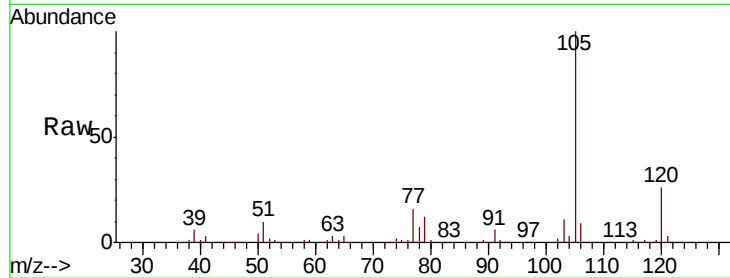
Tot Ion:105 Resp: 655908

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

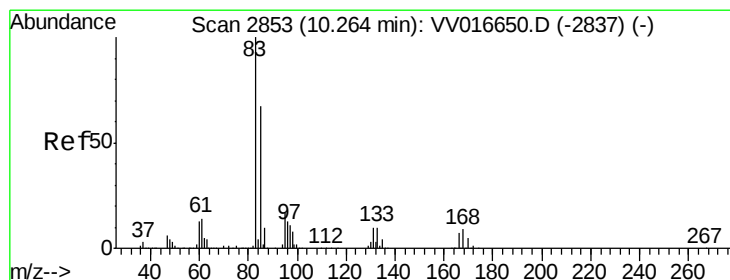
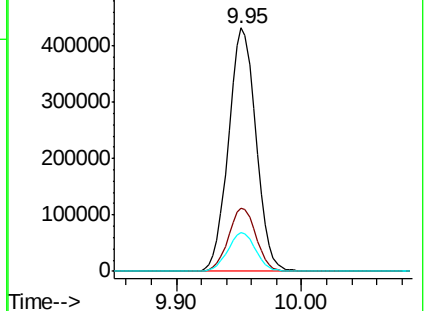
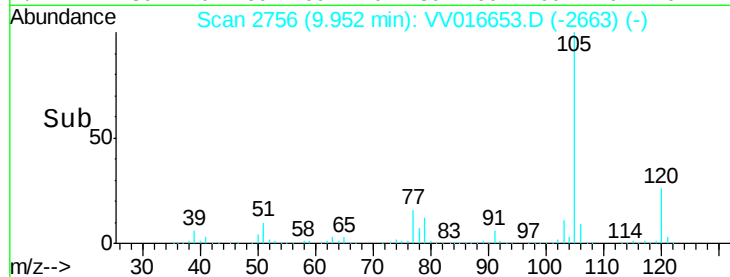
77 16.2 13.0 19.4



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: 48.109 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

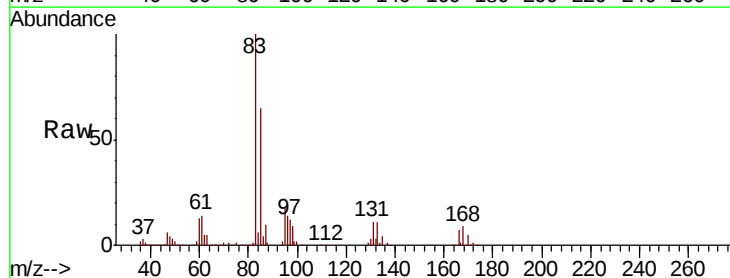
Tgt Ion: 83 Resp: 208852

Ion Ratio Lower Upper

83 100

85 65.5 46.8 86.8

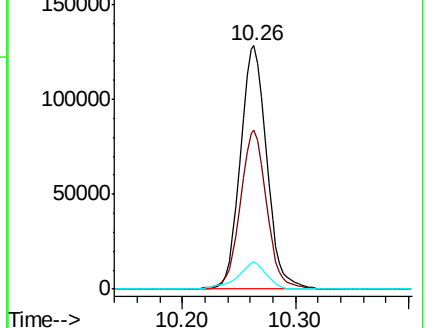
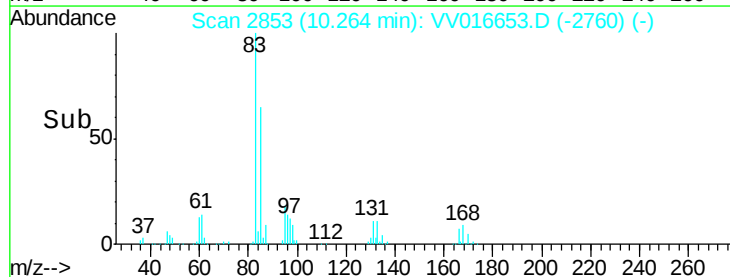
131 11.0 7.9 11.9

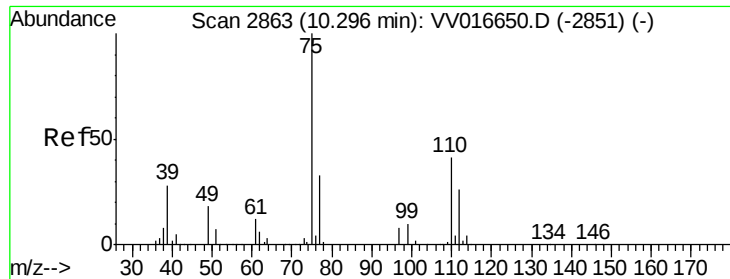


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.042 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampleId :

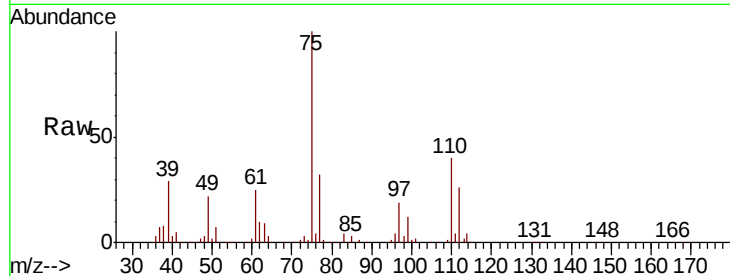
VICV62

Tot Ion: 75 Resp: 174938

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

120000

100000

80000

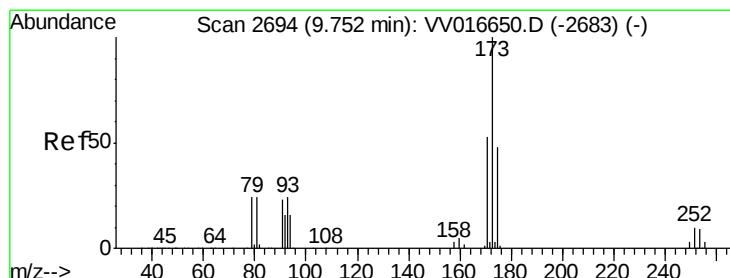
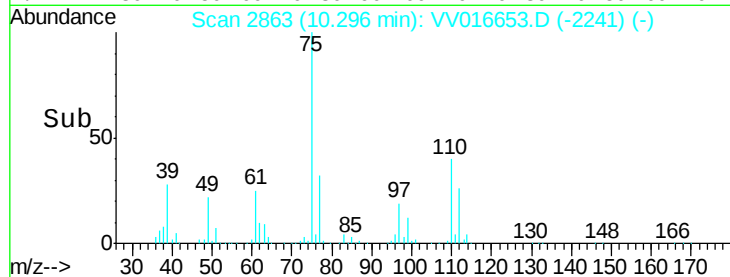
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.127 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

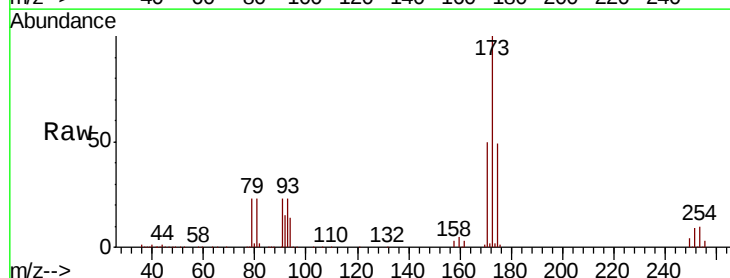
Tgt Ion:173 Resp: 102356

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 9.9 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

80000

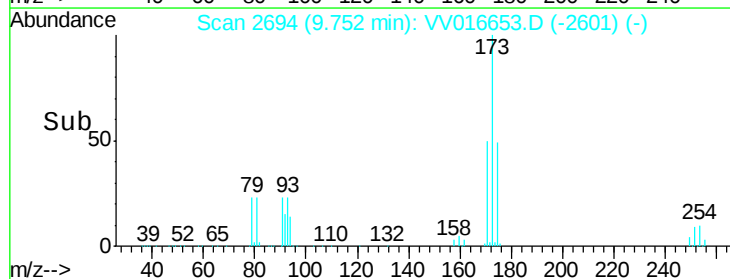
60000

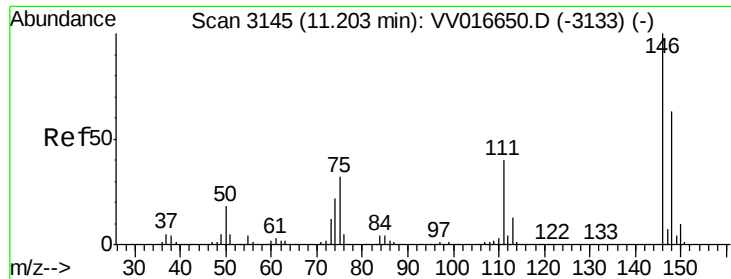
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 50.405 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

VICV62

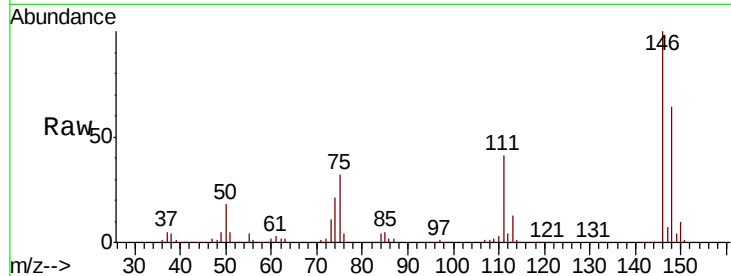
Tot Ion:146 Resp: 299038

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

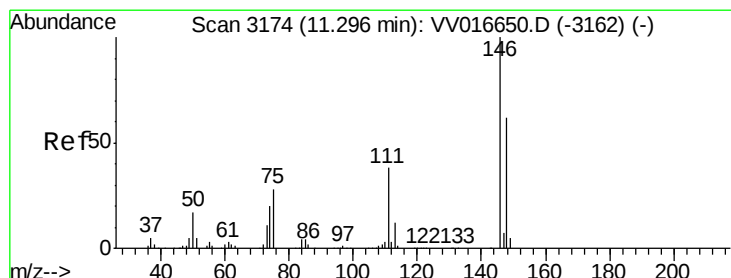
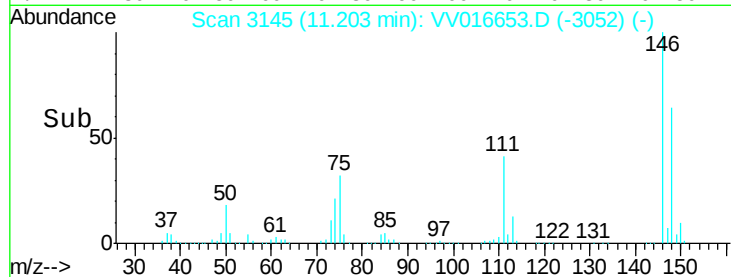
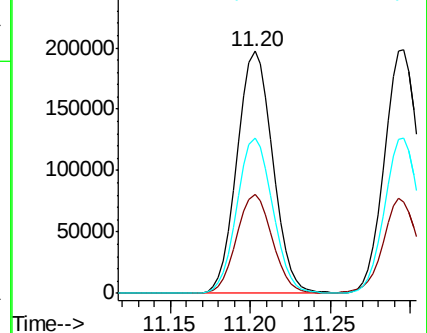
148 64.2 44.2 82.2



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: 50.187 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

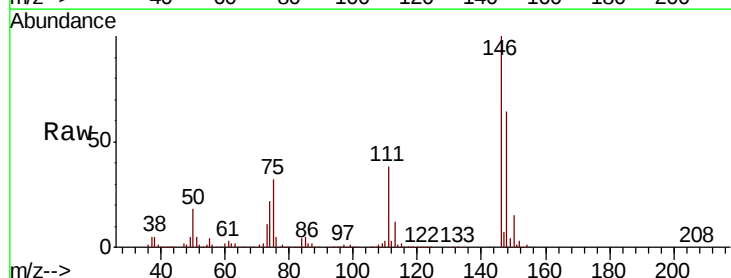
Tgt Ion:146 Resp: 302944

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

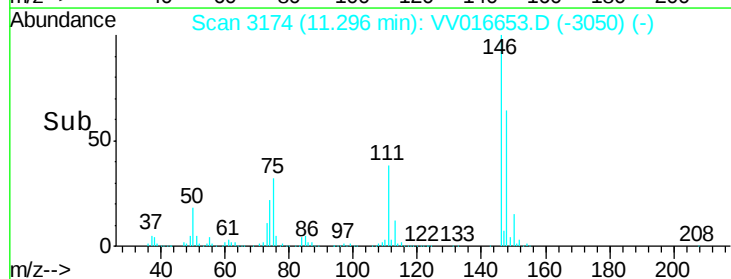
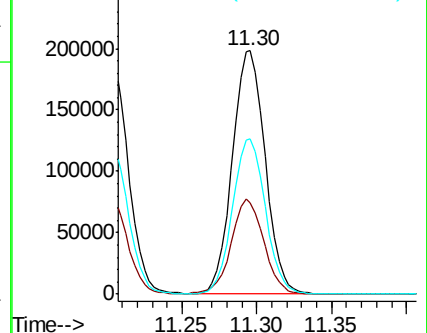
148 63.8 43.5 80.9

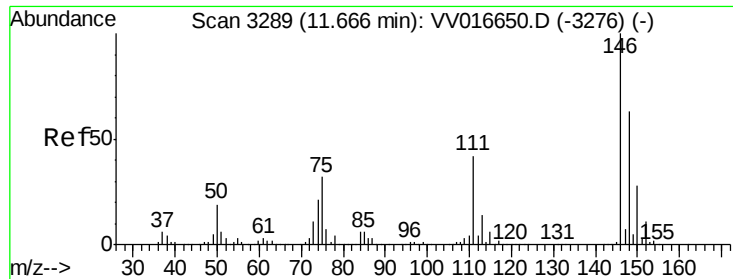


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

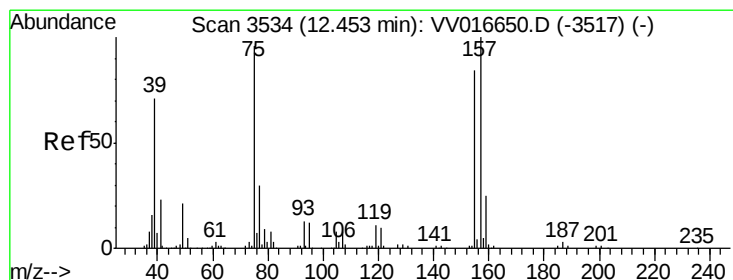
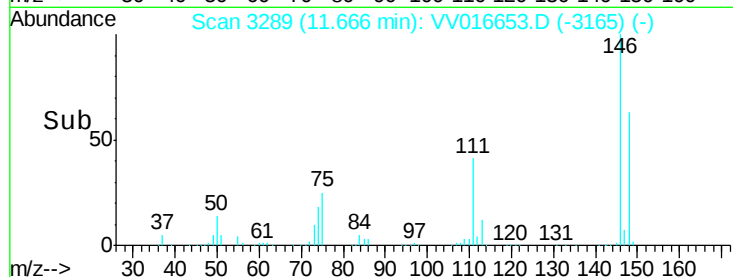
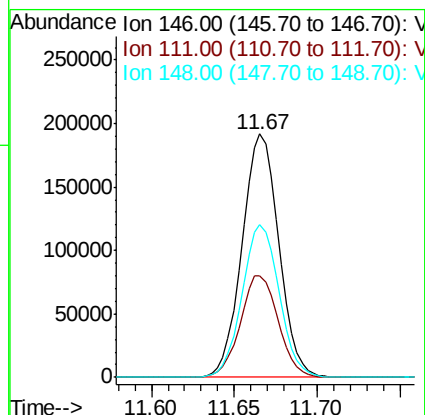
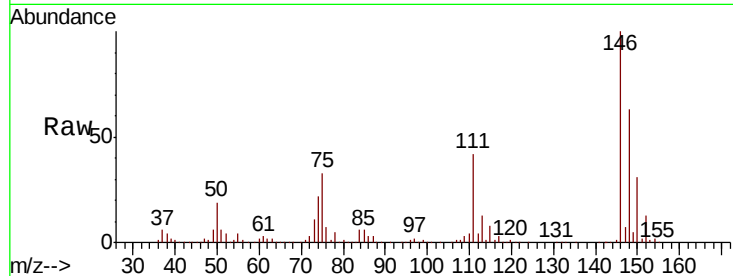




#65
 1,2-Dichlorobenzene
 Concen: 49.672 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

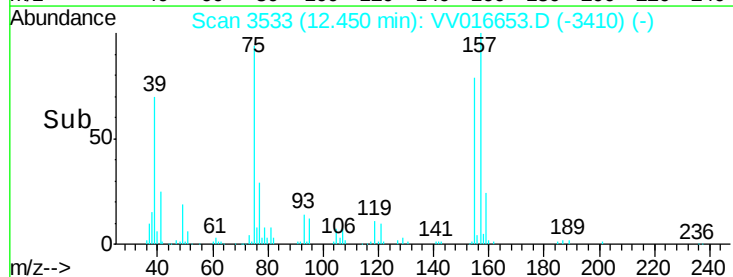
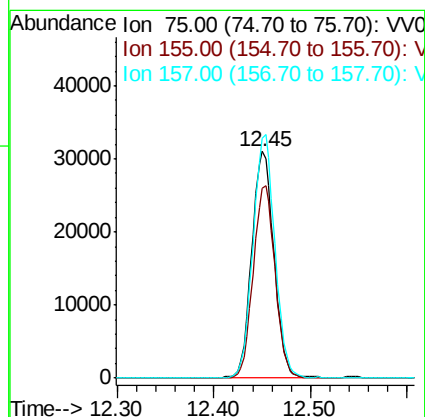
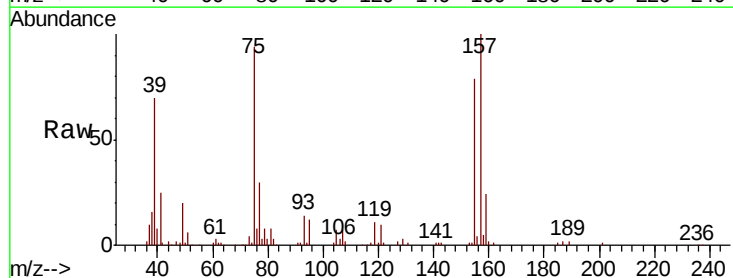
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

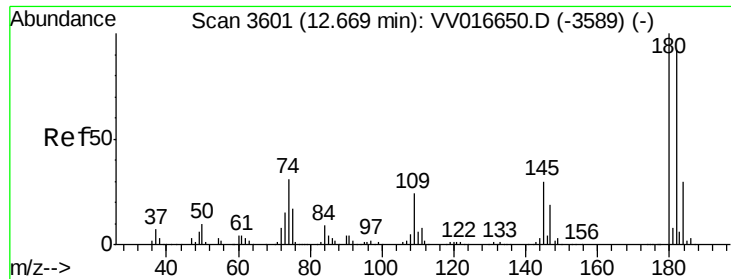
Tot Ion:146 Resp: 295323
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.7 50.5
 148 62.8 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.082 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Tgt Ion: 75 Resp: 49624
 Ion Ratio Lower Upper
 75 100
 155 83.9 69.8 104.6
 157 106.0 83.4 125.2

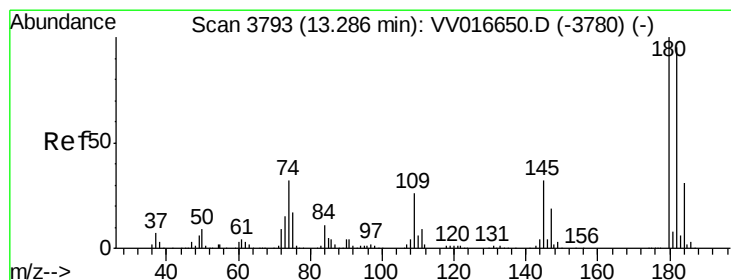
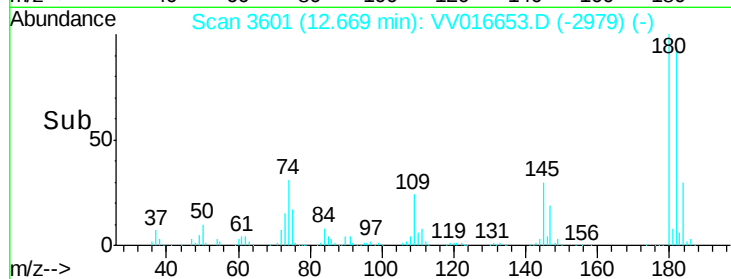
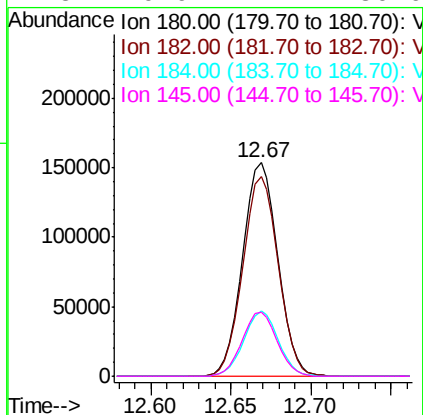
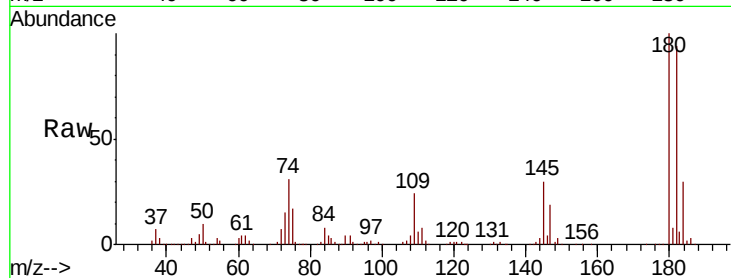




#67
 1,3,5-Trichlorobenzene
 Concen: 51.938 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

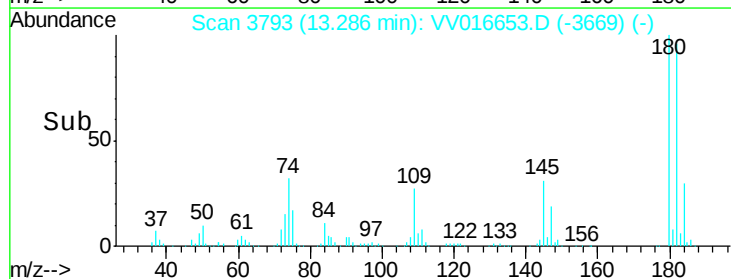
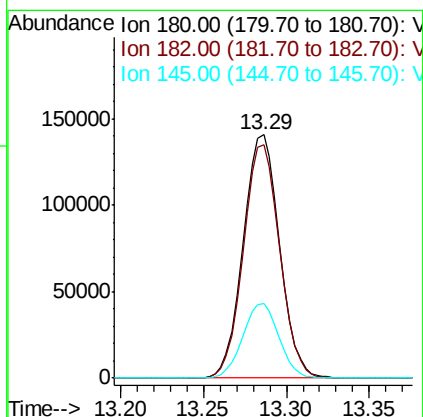
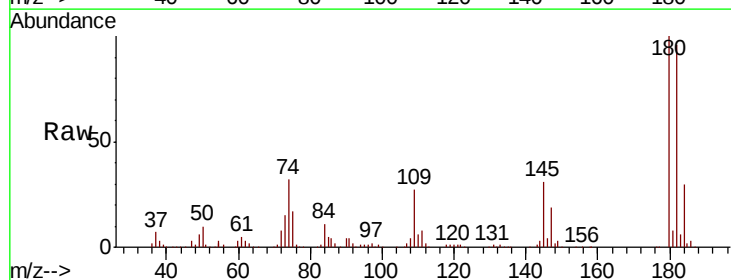
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

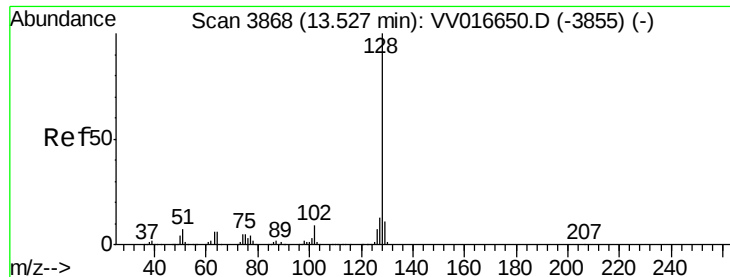
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.0	112.6
184	29.9	24.5	36.7
145	29.9	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 53.049 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016653.D
 Acq: 08 Jun 2020 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	30.5	25.2	37.8





#69

Naphthalene

Concen: 56.024 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

Instrument :

MSVOA_V

ClientSampled :

VICV62

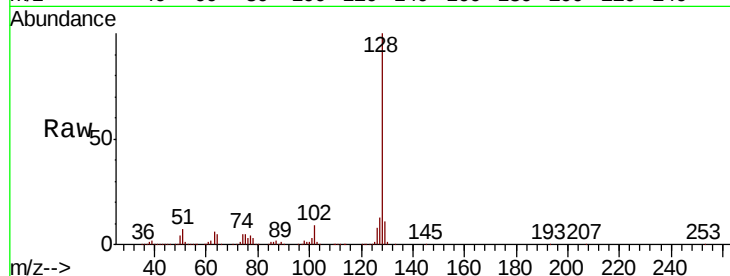
Tot Ion:128 Resp: 653929

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

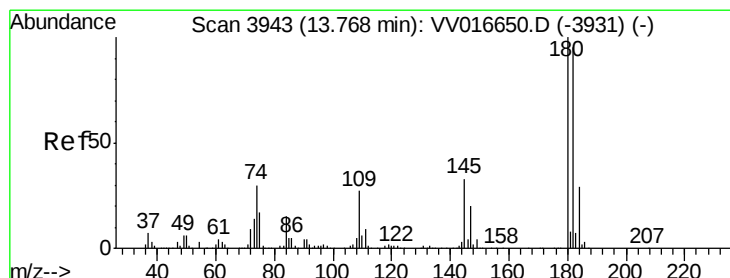
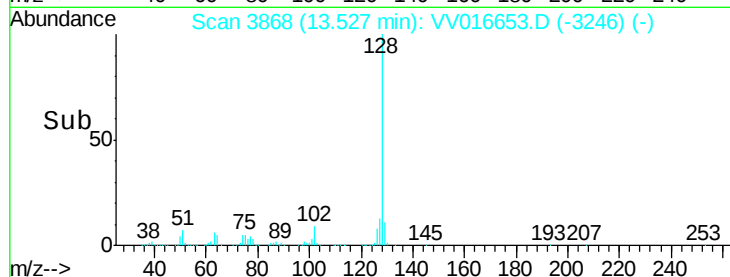
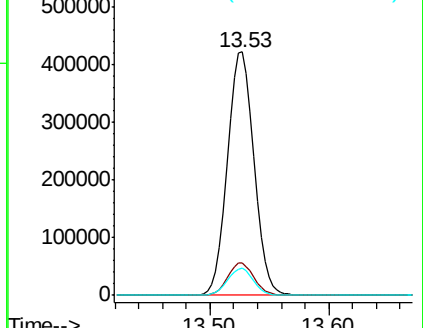
129 10.9 8.7 13.1



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: 54.979 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016653.D

Acq: 08 Jun 2020 12:15

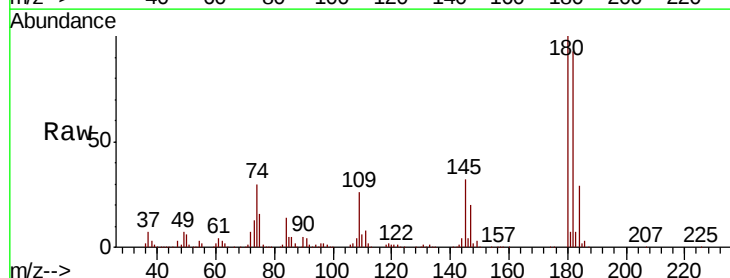
Tgt Ion:180 Resp: 218290

Ion Ratio Lower Upper

180 100

182 93.8 76.5 114.7

145 32.7 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

