

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017909.D
 Acq On : 10 Aug 2020 20:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 11 01:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247163	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239752	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	133350	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	50353	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.90%
7) Chloroethane-d5	1.58	69	53003	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.76%
11) 1,1-Dichloroethene-d2	2.12	63	151717	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.94%
21) 2-Butanone-d5	3.91	46	82220	102.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.87%
24) Chloroform-d	4.37	84	158129	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
26) 1,2-Dichloroethane-d4	5.05	65	117694	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
32) Benzene-d6	5.07	84	258079	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
36) 1,2-Dichloropropane-d6	6.09	67	67762	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.34	98	259630	46.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.32%
43) trans-1,3-Dichloropropene-	7.64	79	46934	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.84%
47) 2-Hexanone-d5	8.11	63	53542	105.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	106524	48.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	131292	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	92480	47.060	ug/L 99
3) Chloromethane	1.25	50	56615	45.538	ug/L 97
5) Vinyl chloride	1.32	62	65519	45.369	ug/L 98
6) Bromomethane	1.53	94	47508	48.363	ug/L 100
8) Chloroethane	1.59	64	51289	56.274	ug/L 98
9) Trichlorofluoromethane	1.76	101	189017	53.182	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81745	51.767	ug/L 98
12) 1,1-Dichloroethene	2.13	96	75232	51.666	ug/L 93
13) Acetone	2.19	43	69092	66.427	ug/L 99
14) Carbon disulfide	2.31	76	172263	51.329	ug/L 99
15) Methyl Acetate	2.45	43	58230	50.760	ug/L 97
16) Methylene chloride	2.52	84	75766	49.486	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	71419	48.055	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	262240	51.253	ug/L 100
19) 1,1-Dichloroethane	3.21	63	121508	49.540	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	80389	50.082	ug/L 99
22) 2-Butanone	3.99	43	82293	91.137	ug/L 98

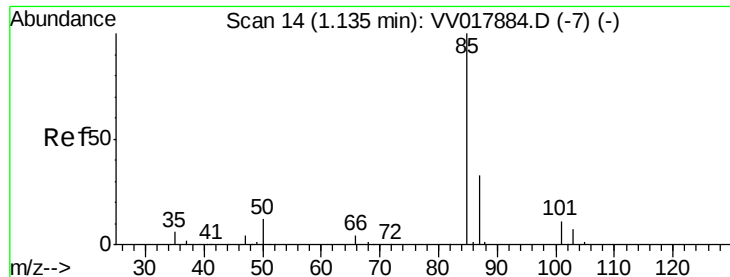
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	47272	49.286	ug/L	97
25) Chloroform	4.40	83	156114	49.471	ug/L	96
27) 1,2-Dichloroethane	5.15	62	145449	51.055	ug/L	99
29) Cyclohexane	4.70	56	90095	47.167	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	161944	48.257	ug/L	100
31) Carbon tetrachloride	4.85	117	147133	49.117	ug/L	97
33) Benzene	5.13	78	274679	48.443	ug/L	100
34) Trichloroethene	5.94	95	84485	49.322	ug/L	97
35) Methylcyclohexane	6.15	83	113308	46.449	ug/L	99
37) 1,2-Dichloropropane	6.20	63	62485	50.391	ug/L	98
38) Bromodichloromethane	6.53	83	116785	51.864	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	115654	54.233	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	166059	102.651	ug/L	96
42) Toluene	7.41	91	319325	48.319	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	122449	54.635	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	79760	51.117	ug/L	98
46) Tetrachloroethene	8.00	164	75999	47.073	ug/L	96
48) 2-Hexanone	8.16	43	135303	99.901	ug/L	99
49) Dibromochloromethane	8.27	129	97935	56.394	ug/L	95
50) 1,2-Dibromoethane	8.37	107	85437	49.678	ug/L	99
51) Chlorobenzene	8.90	112	229121	49.836	ug/L	99
52) Ethylbenzene	9.03	91	373796	49.227	ug/L	99
53) m,p-Xylene	9.16	106	146449	49.617	ug/L	100
54) o-xylene	9.56	106	142242	49.071	ug/L	98
55) Styrene	9.58	104	247661	49.824	ug/L	97
56) Isopropylbenzene	9.95	105	393366	49.098	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	105201	50.057	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	96866	50.730	ug/L	100
61) Bromoform	9.75	173	70927	61.889	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	199961	49.045	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	201929	48.762	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	209393	50.479	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	29955	55.171	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	160511	48.438	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	150173	51.742	ug/L	100
69) Naphthalene	13.52	128	406058	54.789	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	155598	53.112	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.060 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

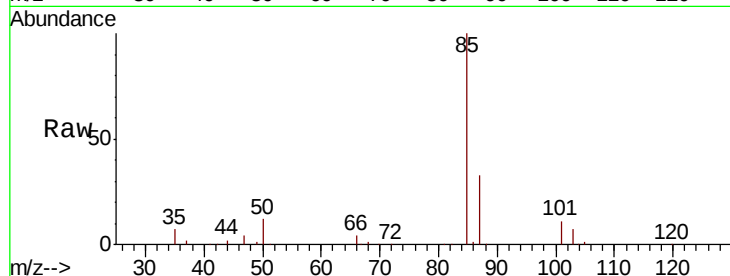
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 92480

Ion Ratio Lower Upper

85 100

87 33.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017884.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017884.D (-7) (-)

1.14

100000

80000

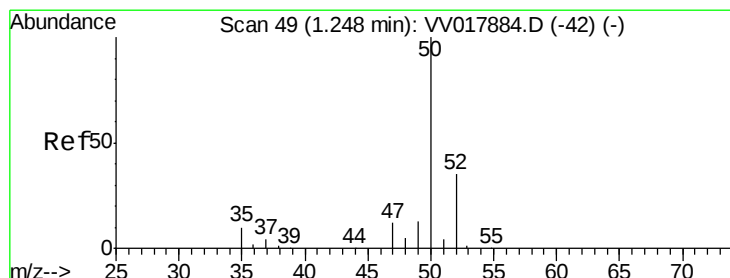
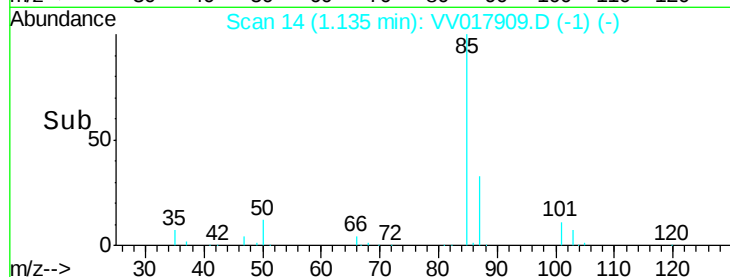
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.538 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017909.D

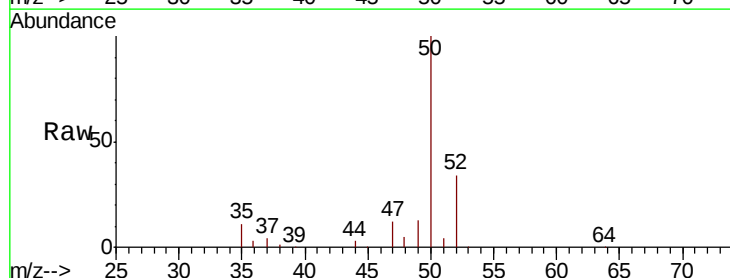
Acq: 10 Aug 2020 20:24

Tgt Ion: 50 Resp: 56615

Ion Ratio Lower Upper

50 100

52 34.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017884.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017884.D (-42) (-)

1.25

60000

50000

40000

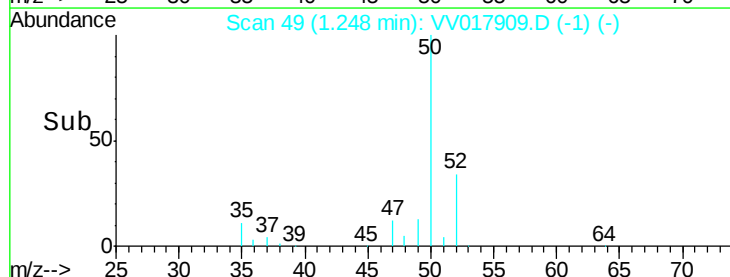
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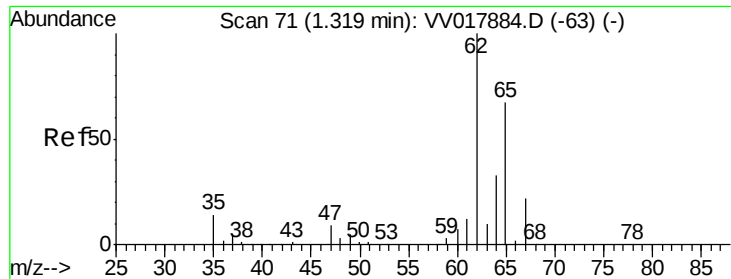
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 45.369 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

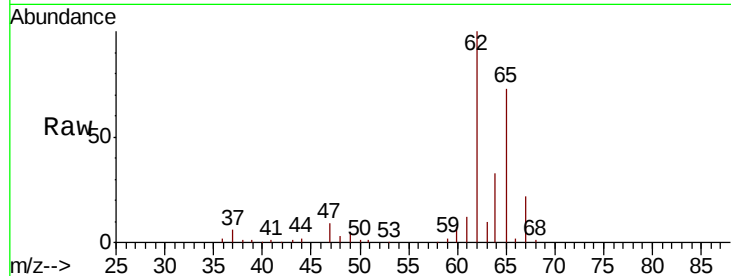
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 65519

Ion Ratio Lower Upper

62 100

64 33.4 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV017884.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017884.D (-63) (-)

1.32

60000

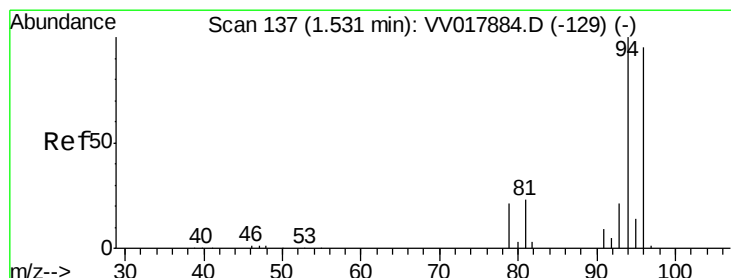
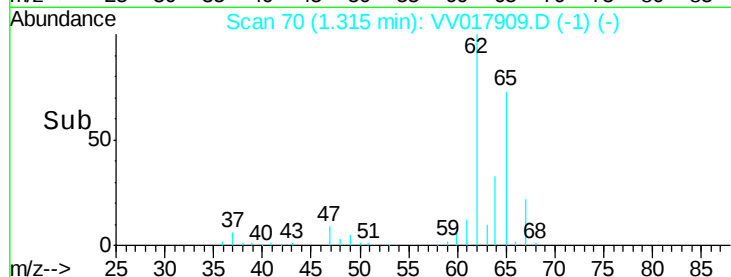
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 48.363 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017909.D

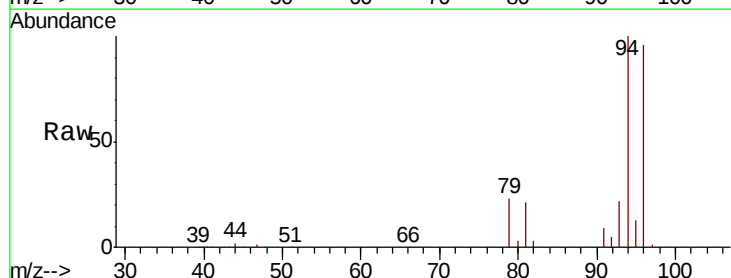
Acq: 10 Aug 2020 20:24

Tgt Ion: 94 Resp: 47508

Ion Ratio Lower Upper

94 100

96 96.2 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV017884.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV017884.D (-129) (-)

1.53

50000

40000

30000

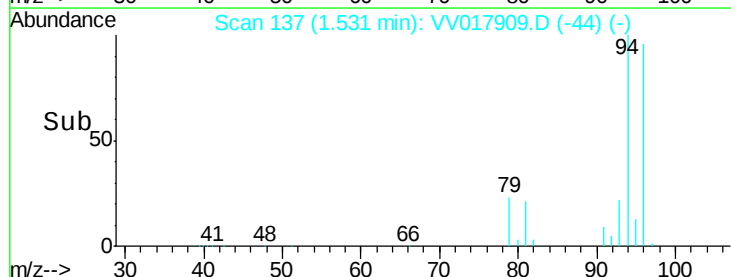
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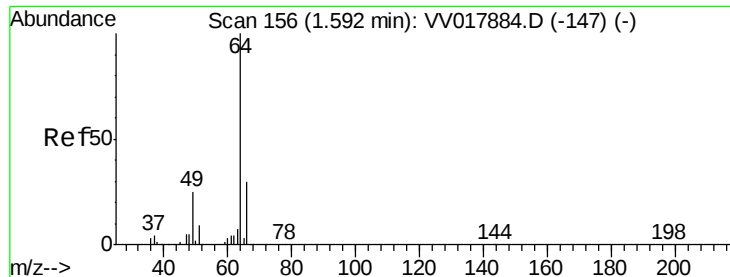
10000

0

1.50 1.55

Time-->

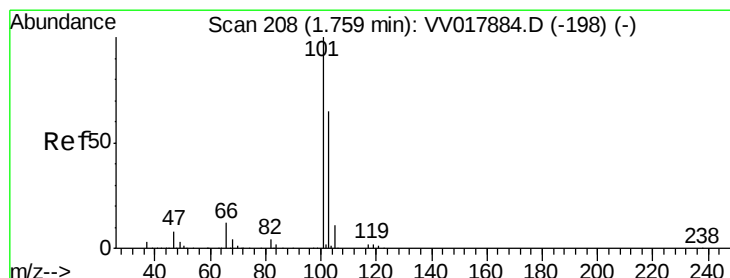
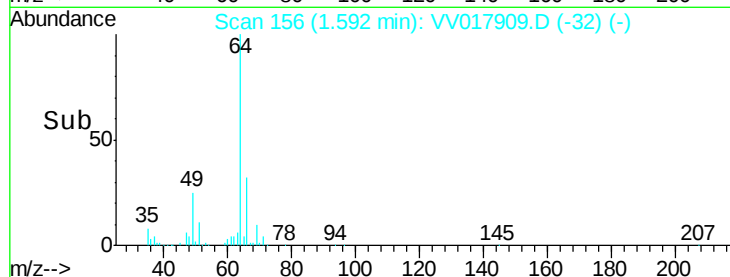
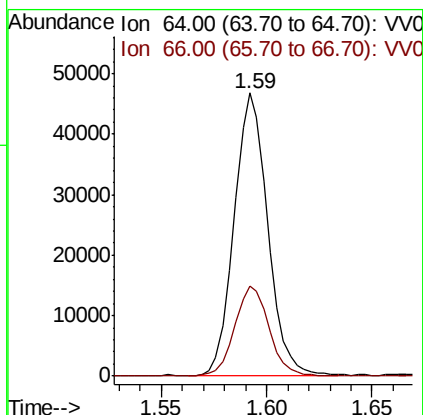
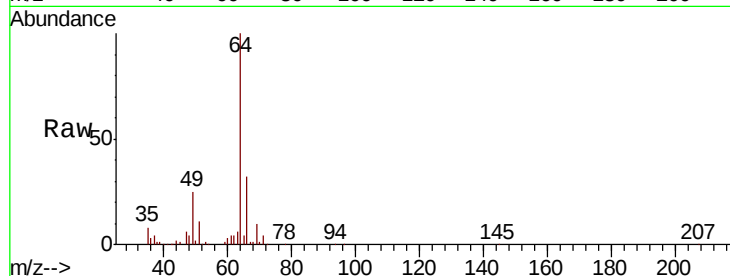




#8
Chloroethane
Concen: 56.274 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

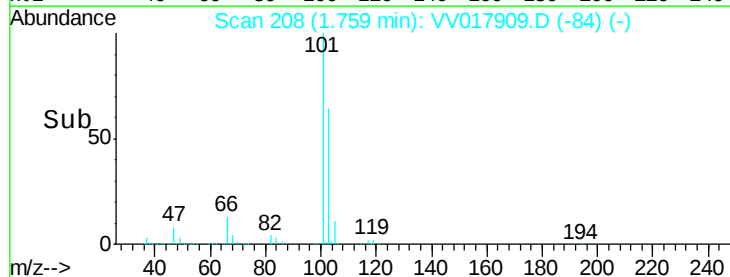
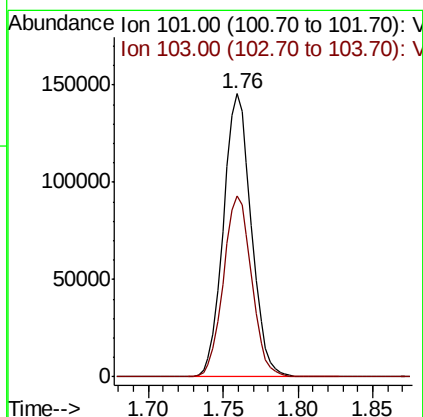
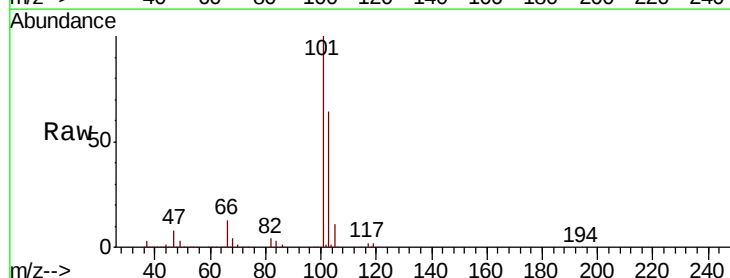
Instrument :
MSVOA_V
ClientSampleId :

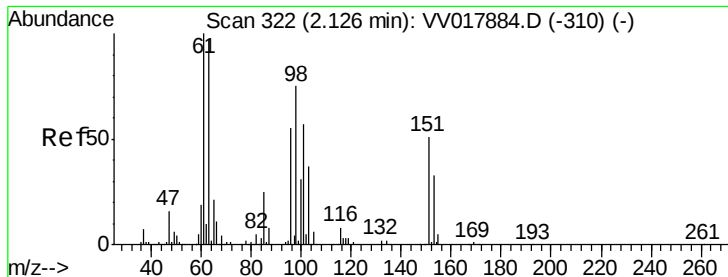
Tot Ion: 64 Resp: 51289
Ion Ratio Lower Upper
64 100
66 31.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 53.182 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion:101 Resp: 189017
Ion Ratio Lower Upper
101 100
103 64.7 53.2 79.8





#10

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

Concen: 51.767 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

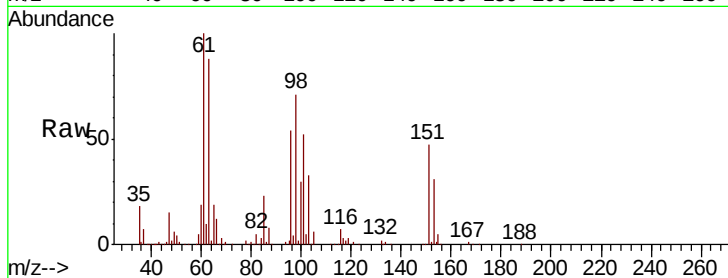
Tot Ion:101 Resp: 81745

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.6

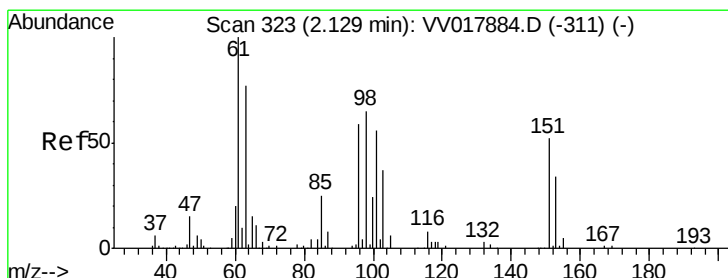
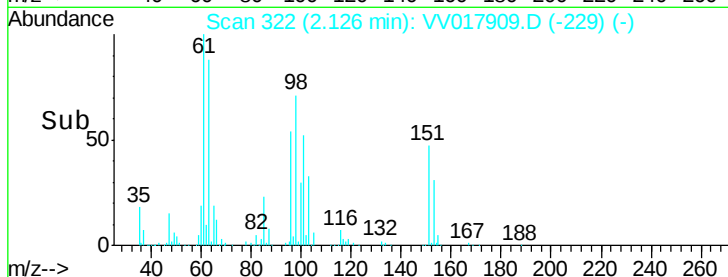
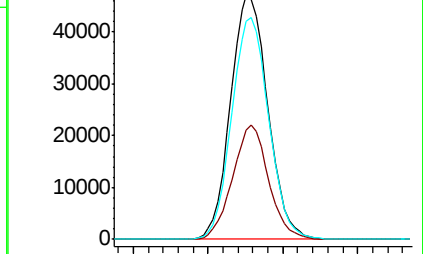
151 90.0 71.0 106.6



Abundance Ion 101.00 (100.70 to 101.70): VV017884.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017884.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017884.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 51.666 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

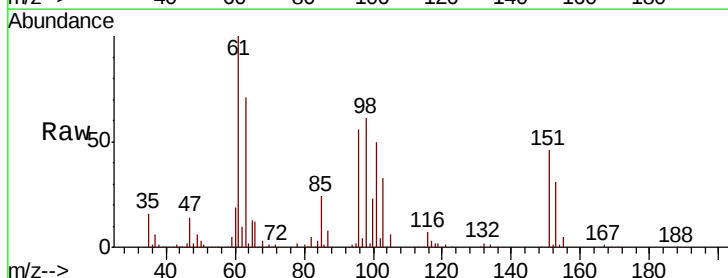
Tgt Ion: 96 Resp: 75232

Ion Ratio Lower Upper

96 100

61 178.2 121.1 224.9

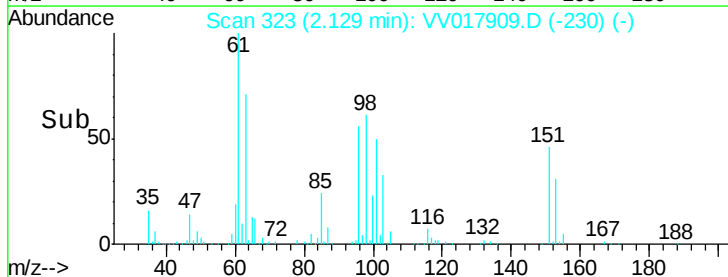
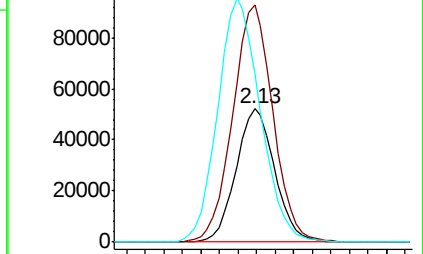
63 126.1 98.1 182.1

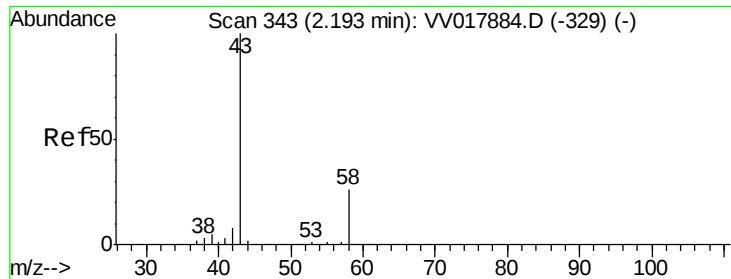


Abundance Ion 96.00 (95.70 to 96.70): VV017884.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV017884.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV017884.D (-311) (-)





#13

Acetone

Concen: 66.427 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

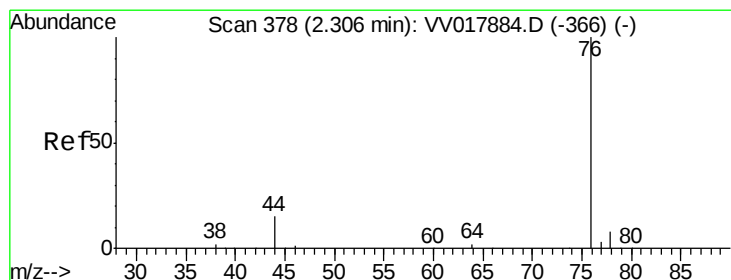
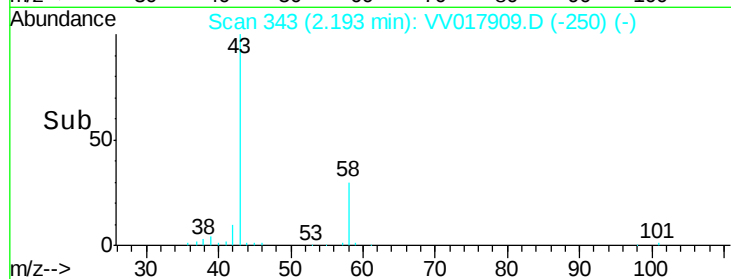
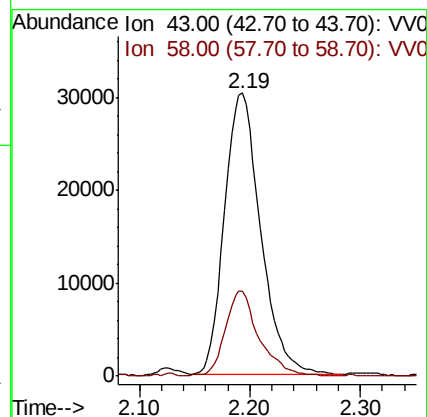
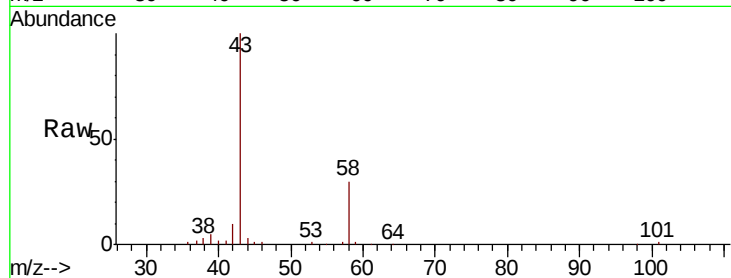
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 69092

Ion Ratio Lower Upper

43 100

58 28.1 0.0 54.8



#14

Carbon disulfide

Concen: 51.329 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017909.D

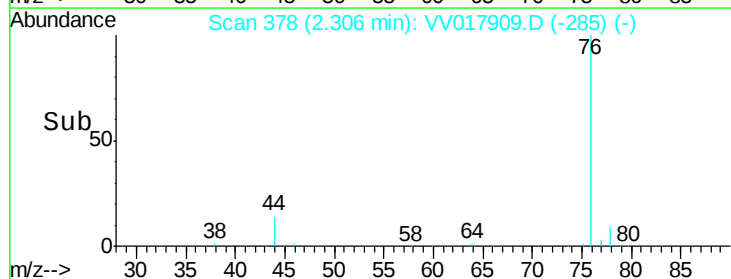
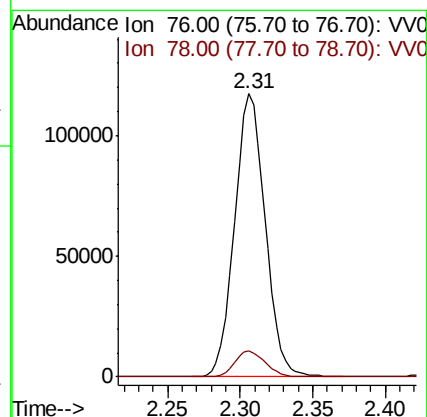
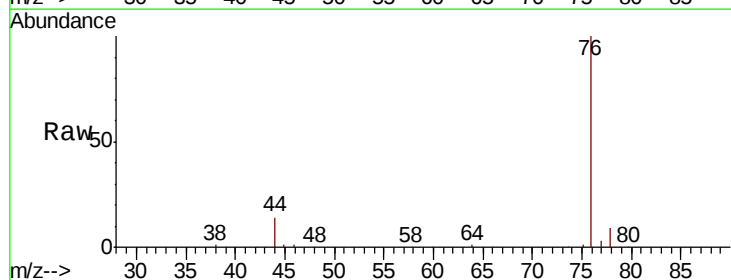
Acq: 10 Aug 2020 20:24

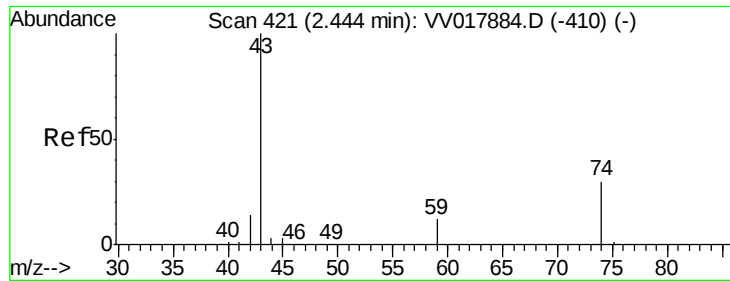
Tgt Ion: 76 Resp: 172263

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

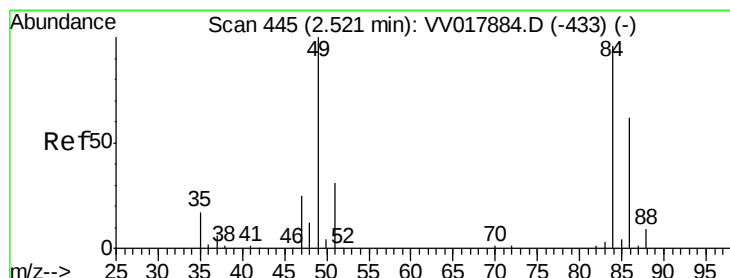
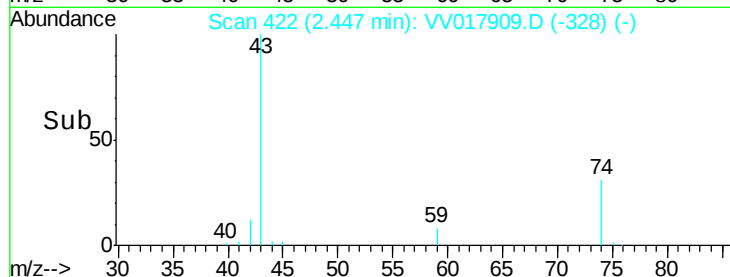
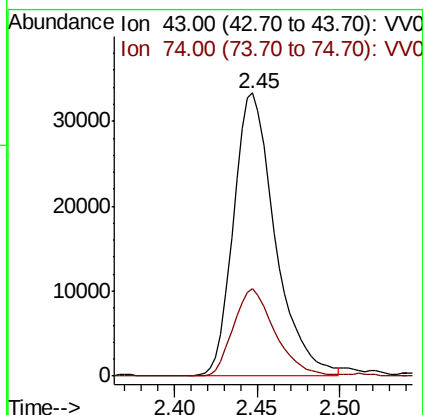
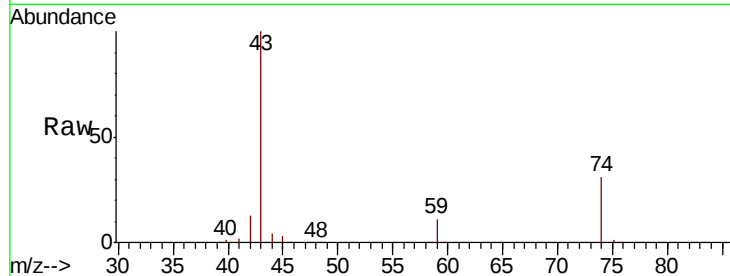




#15
Methyl Acetate
Concen: 50.760 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

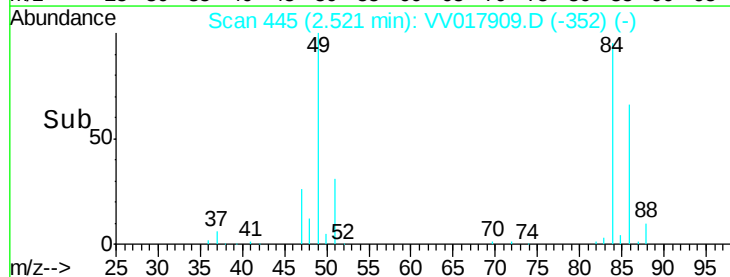
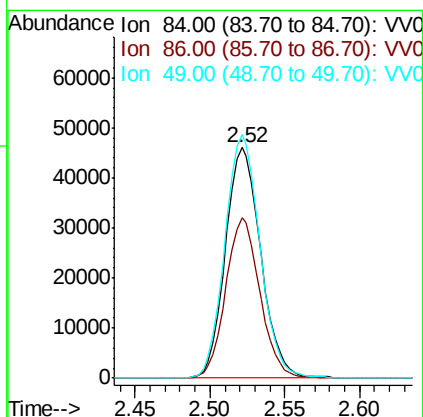
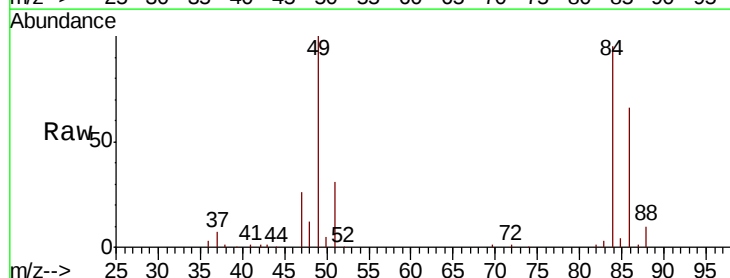
Instrument :
MSVOA_V
ClientSampled :

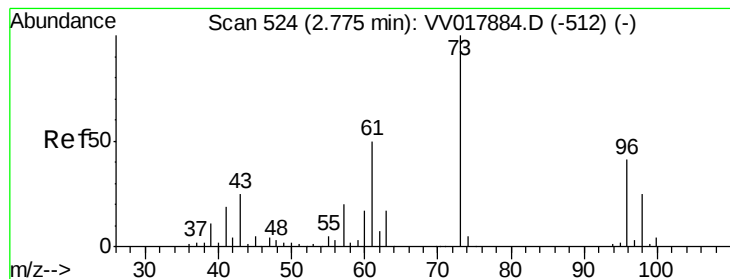
Tot Ion: 43 Resp: 58230
Ion Ratio Lower Upper
43 100
74 30.6 23.0 34.6



#16
Methylene chloride
Concen: 49.486 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 84 Resp: 75766
Ion Ratio Lower Upper
84 100
86 69.4 46.2 85.8
49 105.7 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 48.055 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

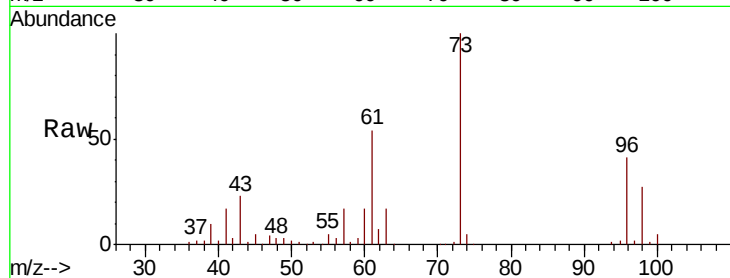
Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

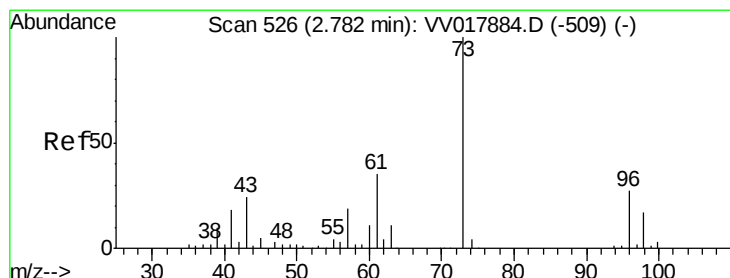
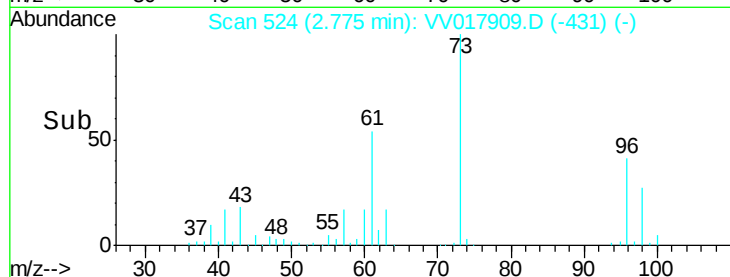
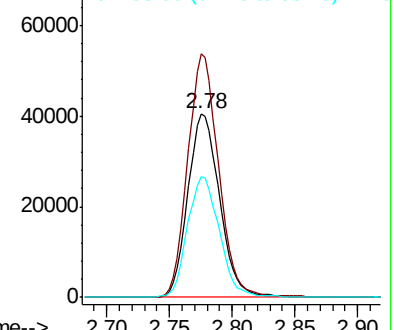
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 71419

Ion	Ratio	Lower	Upper
96	100		
61	132.3	92.4	171.6
98	65.7	47.5	88.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.253 ug/L

RT: 2.78 min Scan# 527

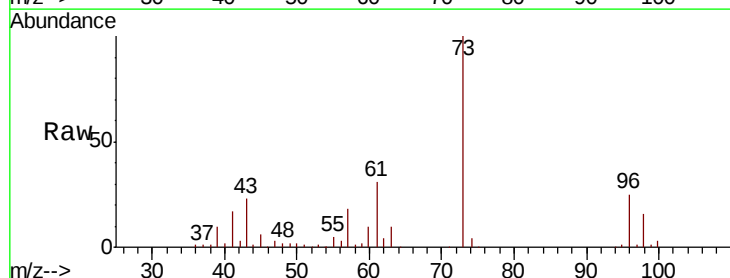
Delta R.T. 0.00 min

Lab File: VV017909.D

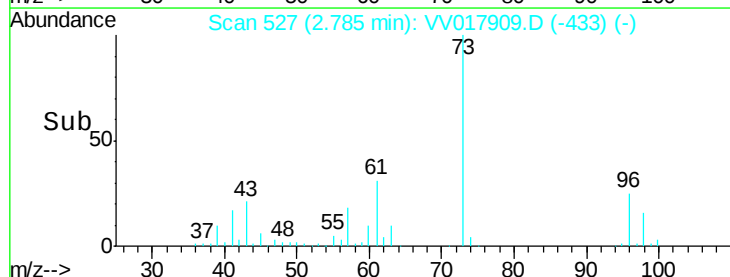
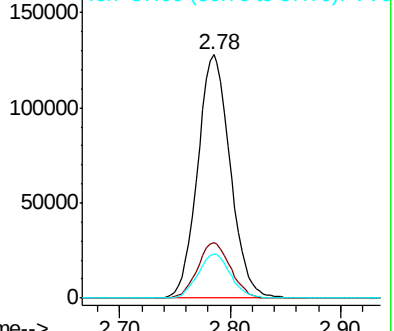
Acq: 10 Aug 2020 20:24

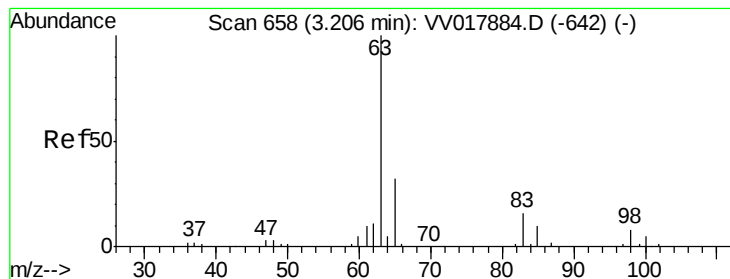
Tgt Ion: 73 Resp: 262240

Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.1	27.1
57	18.1	14.5	21.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.540 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :

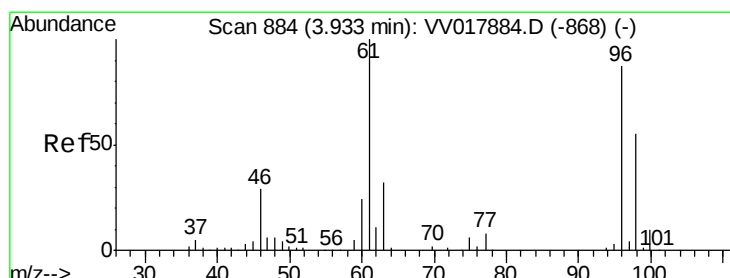
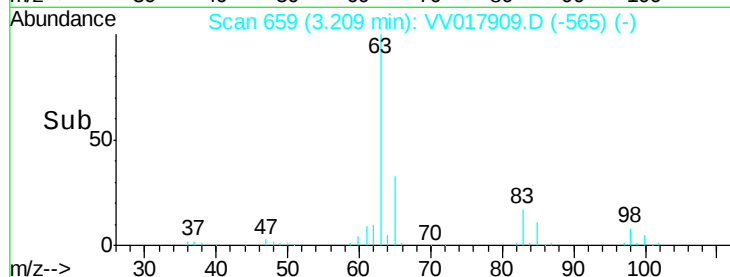
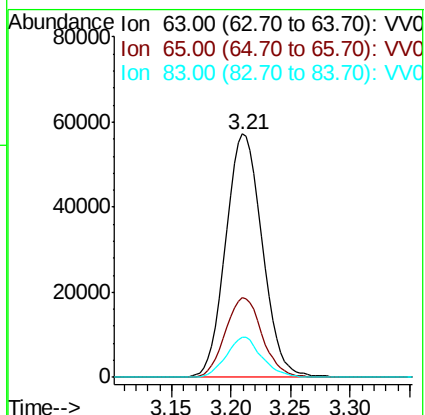
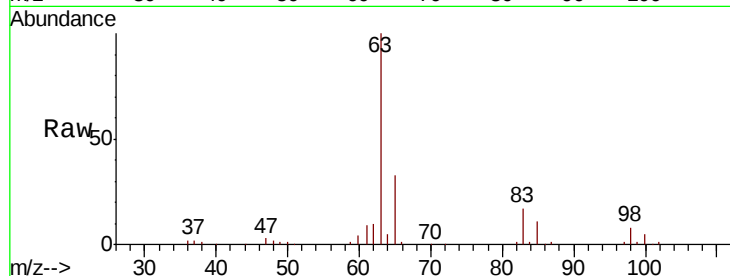
Tot Ion: 63 Resp: 121508

Ion Ratio Lower Upper

63 100

65 32.5 23.4 43.6

83 16.7 11.5 21.5



#20

cis-1,2-Dichloroethene

Concen: 50.082 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

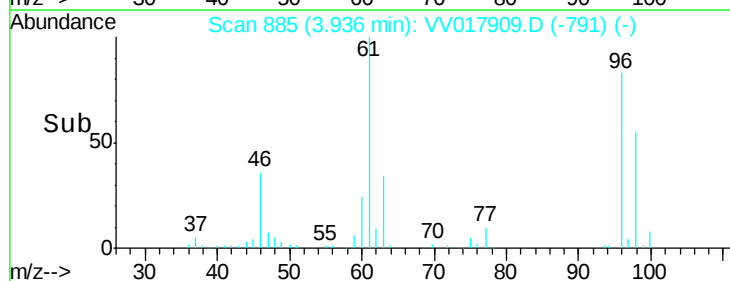
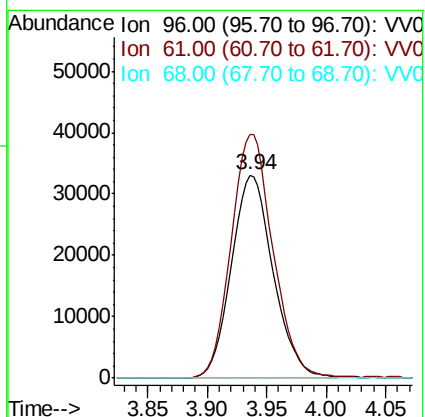
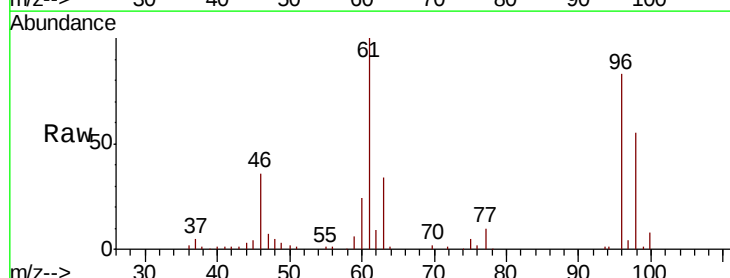
Tgt Ion: 96 Resp: 80389

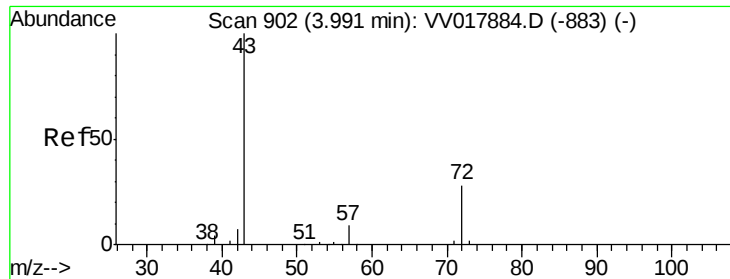
Ion Ratio Lower Upper

96 100

61 119.8 84.4 156.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.137 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

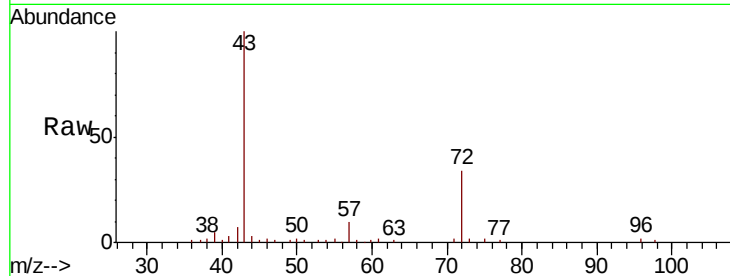
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 82293

Ion Ratio Lower Upper

43 100

72 28.9 14.9 44.7

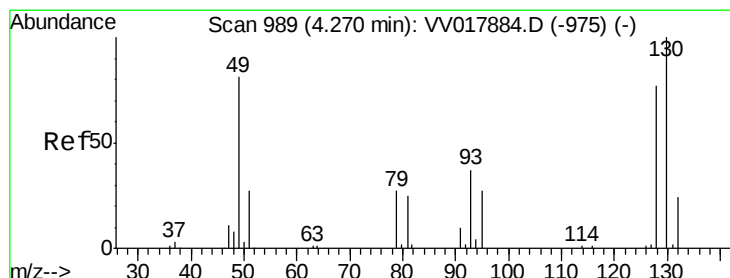
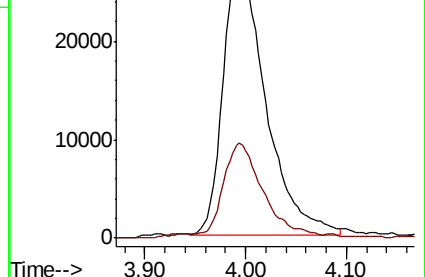
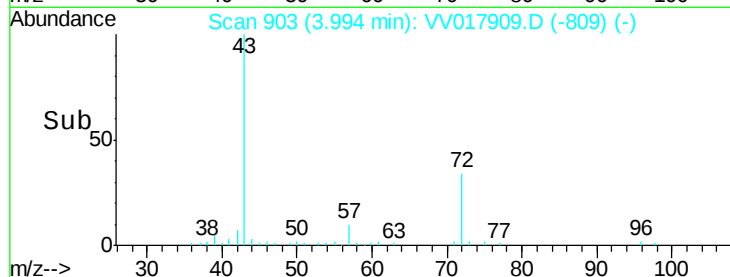


Abundance Ion 43.00 (42.70 to 43.70): VV017884.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV017884.D (-883) (-)

3.99

Time-->



#23

Bromochloromethane

Concen: 49.286 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Tgt Ion: 128 Resp: 47272

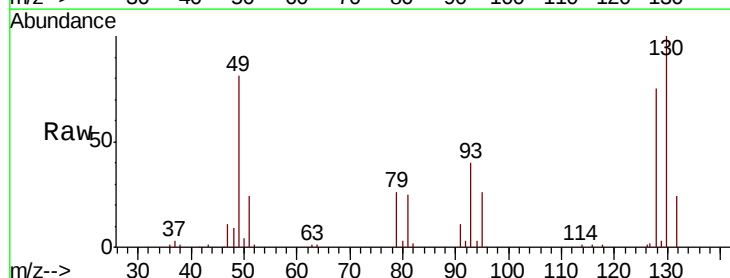
Ion Ratio Lower Upper

128 100

49 107.8 73.7 136.9

130 132.8 89.3 165.9

51 32.5 27.2 40.8



Abundance Ion 128.00 (127.70 to 128.70): VV017884.D (-975) (-)

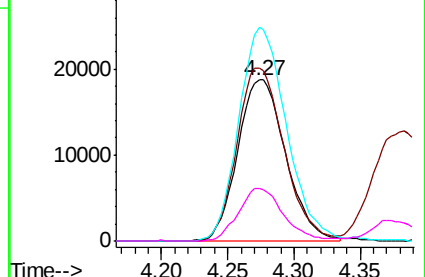
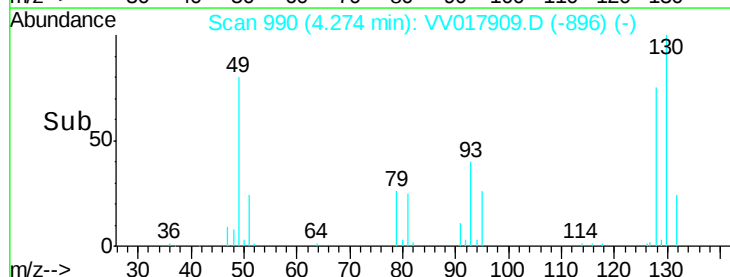
Ion 49.00 (48.70 to 49.70): VV017884.D (-975) (-)

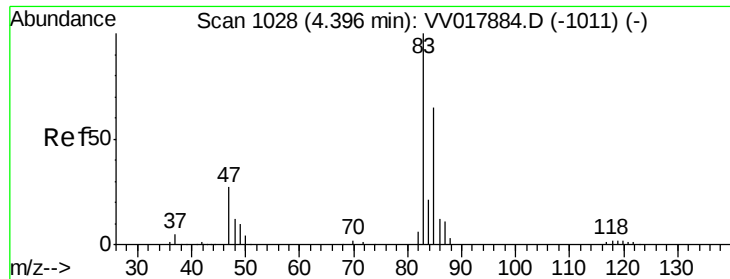
Ion 130.00 (129.70 to 130.70): VV017884.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017884.D (-975) (-)

4.27

Time-->

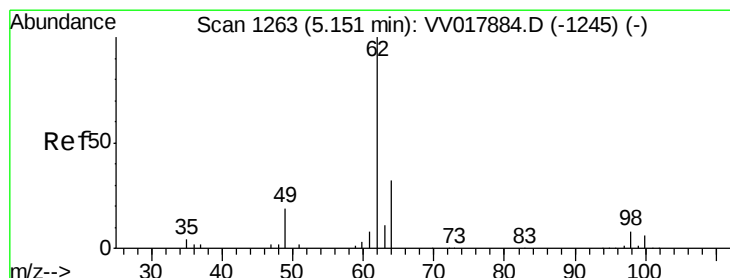
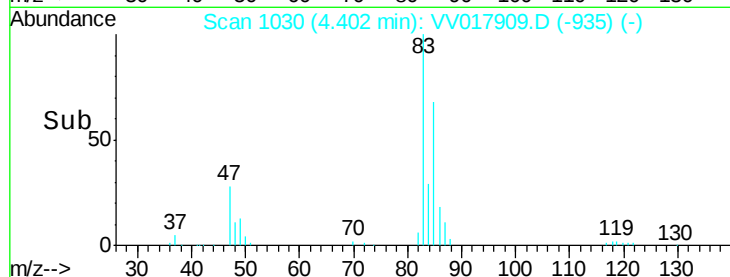
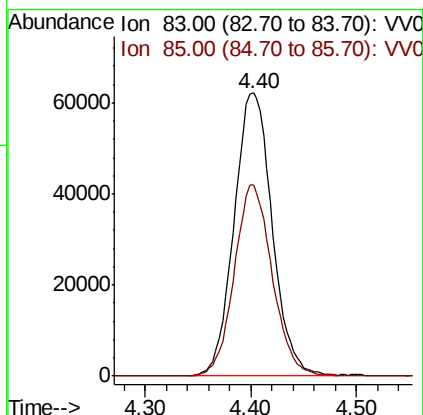
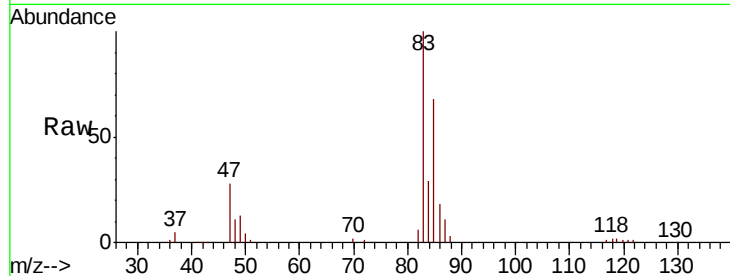




#25
Chloroform
Concen: 49.471 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

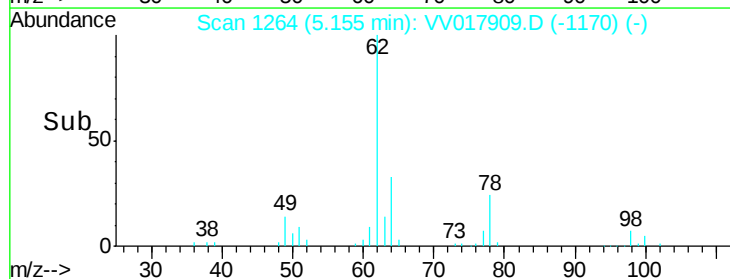
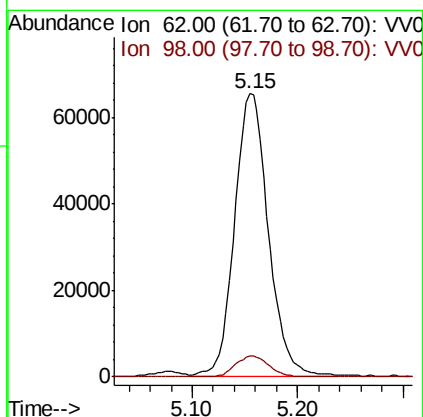
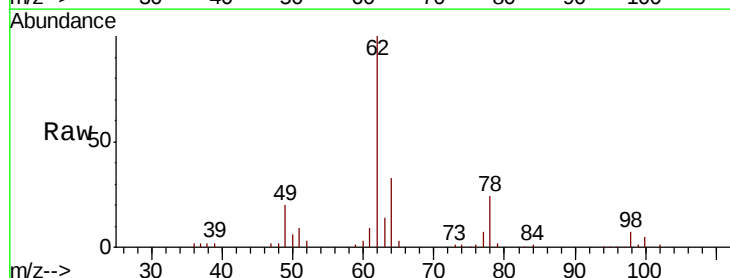
Instrument :
MSVOA_V
ClientSampleId :

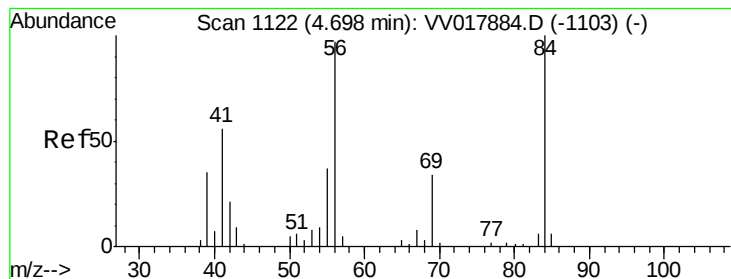
Tot Ion: 83 Resp: 156114
Ion Ratio Lower Upper
83 100
85 67.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 51.055 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 62 Resp: 145449
Ion Ratio Lower Upper
62 100
98 7.3 6.2 9.4





#29

Cyclohexane

Concen: 47.167 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampled :

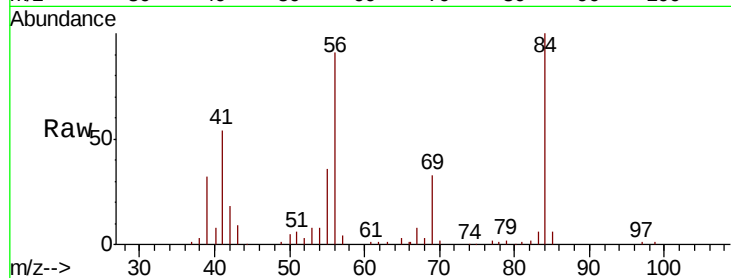
Tot Ion: 56 Resp: 90095

Ion Ratio Lower Upper

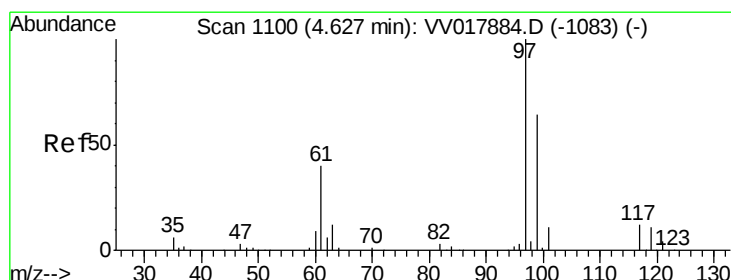
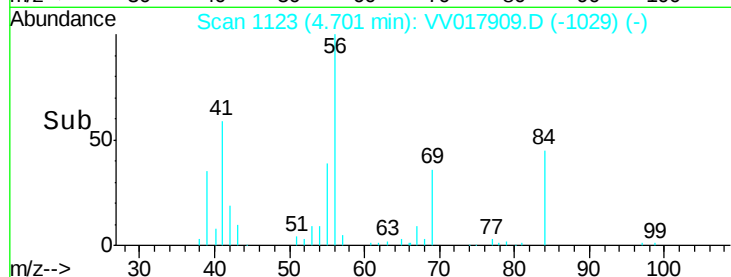
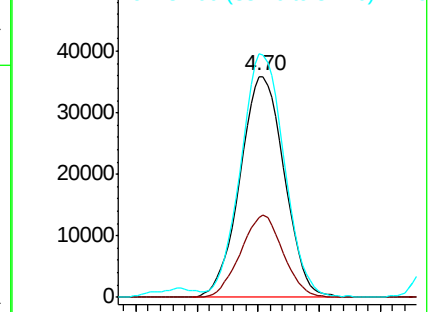
56 100

69 35.7 29.6 44.4

84 108.4 88.5 132.7



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.257 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

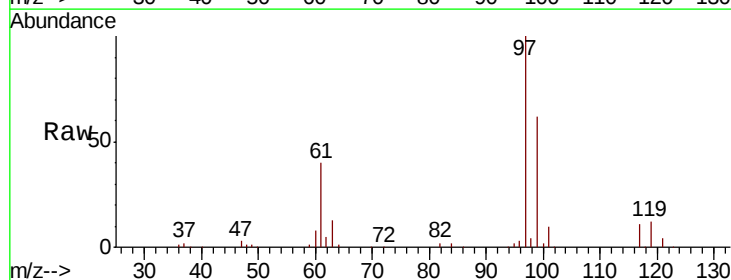
Tgt Ion: 97 Resp: 161944

Ion Ratio Lower Upper

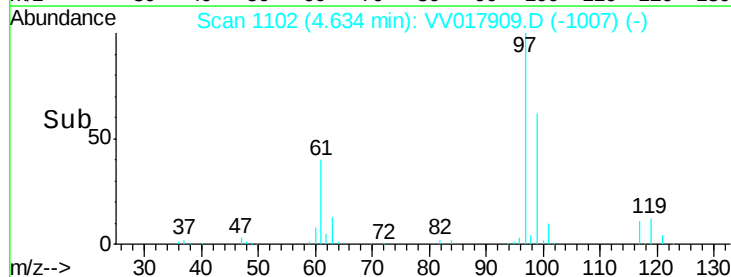
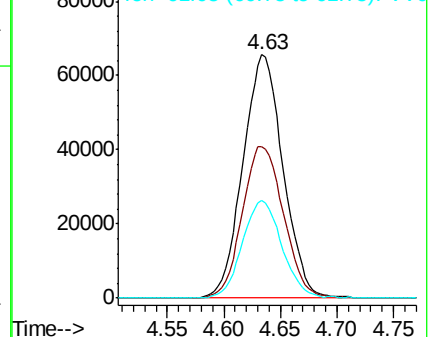
97 100

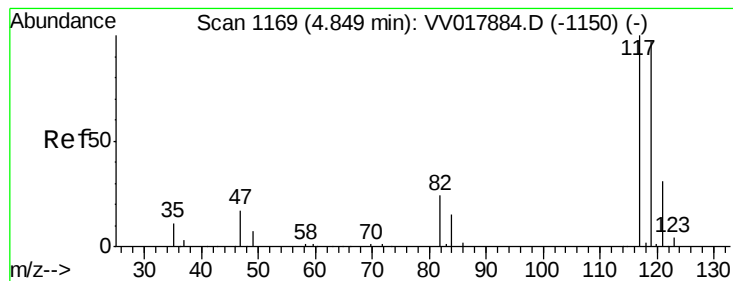
99 64.0 51.0 76.6

61 39.3 31.5 47.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.117 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

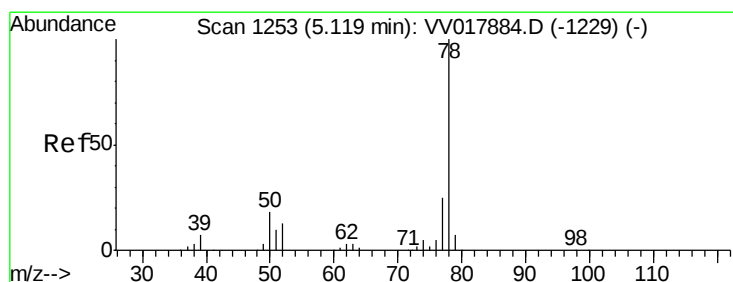
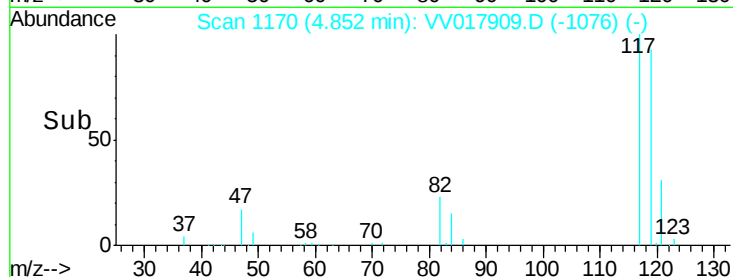
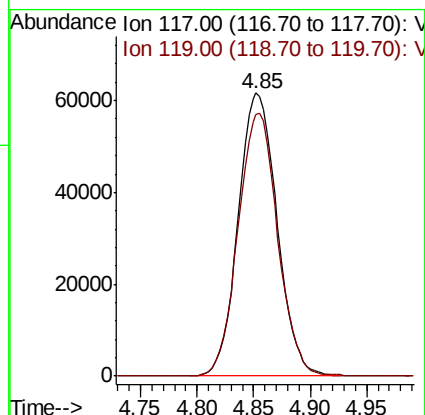
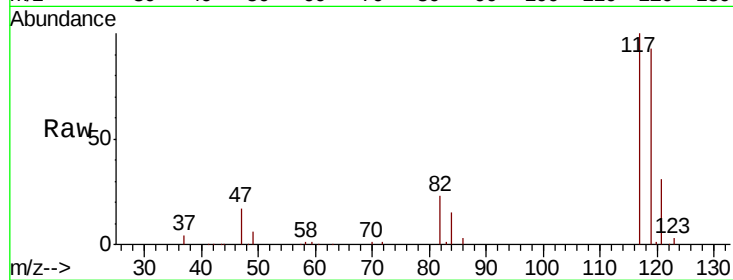
ClientSampleId :

Tot Ion:117 Resp: 147133

Ion Ratio Lower Upper

117 100

119 94.6 78.2 117.4



#33

Benzene

Concen: 48.443 ug/L

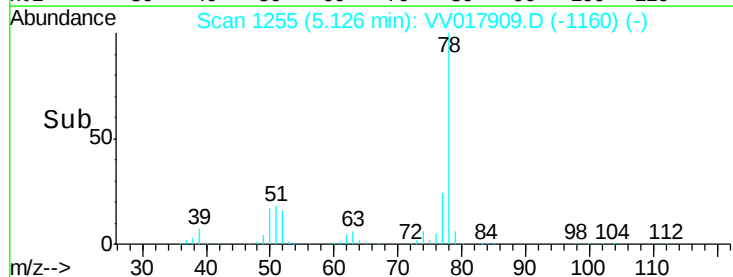
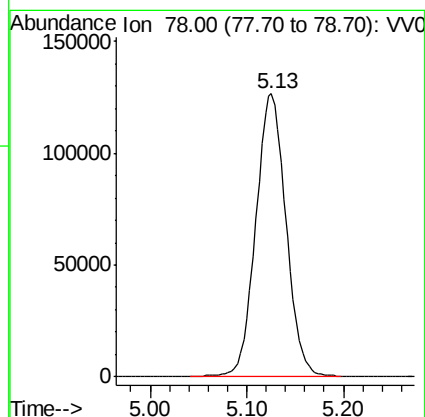
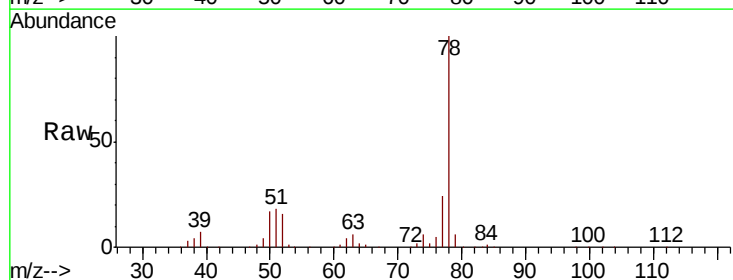
RT: 5.13 min Scan# 1255

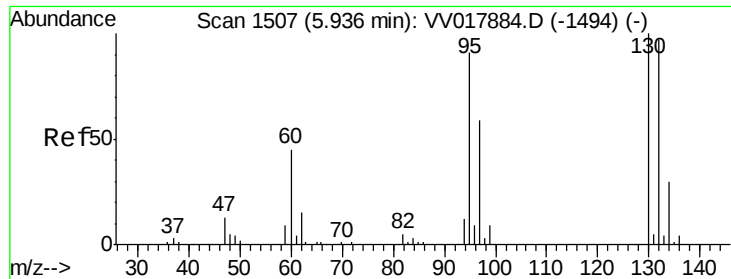
Delta R.T. 0.01 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Tgt Ion: 78 Resp: 274679

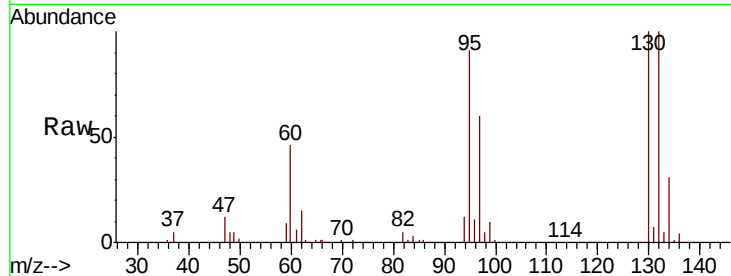




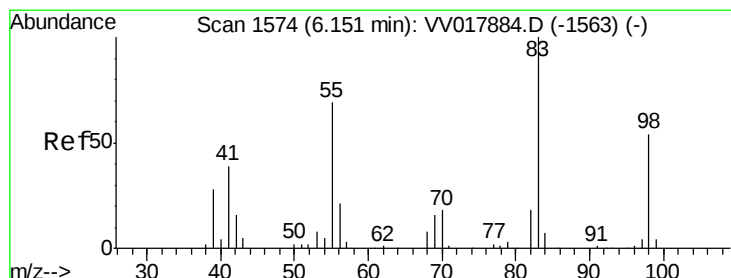
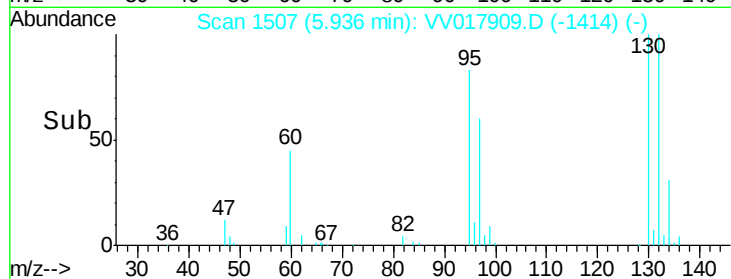
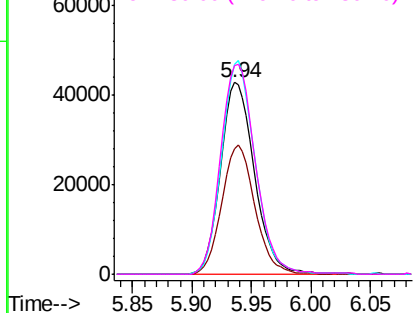
#34
 Trichloroethene
 Concen: 49.322 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 84485
 Ion Ratio Lower Upper
 95 100
 97 65.8 44.7 83.1
 132 109.6 73.6 136.8
 130 109.2 77.6 144.0

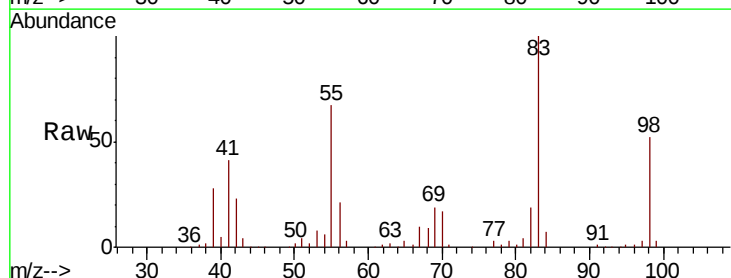


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

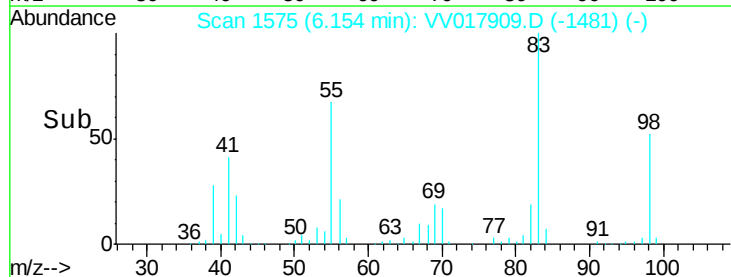
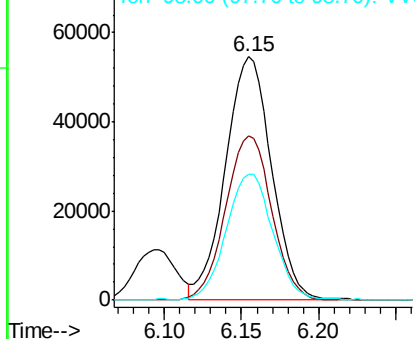


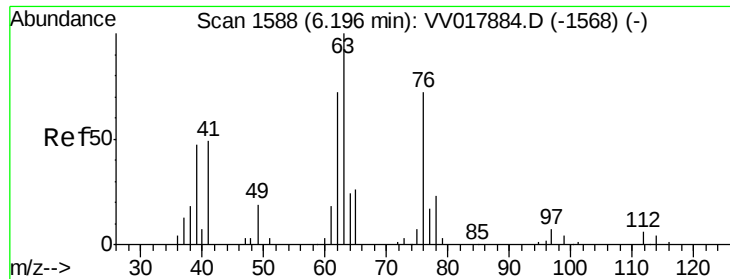
#35
 Methylcyclohexane
 Concen: 46.449 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion: 83 Resp: 113308
 Ion Ratio Lower Upper
 83 100
 55 67.4 54.6 82.0
 98 51.4 41.1 61.7



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

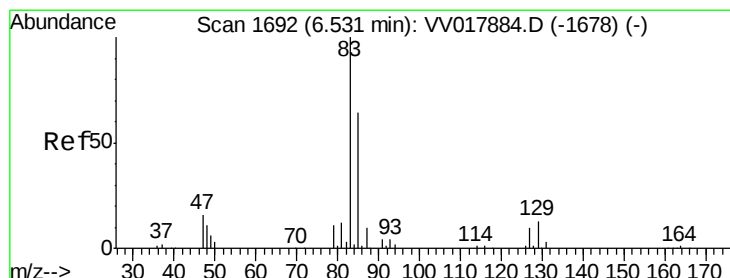
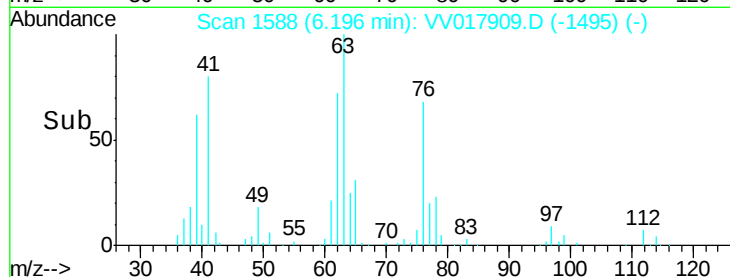
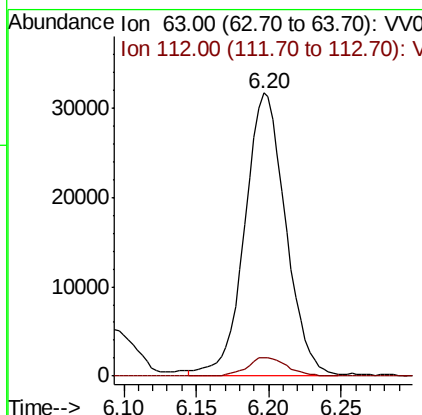
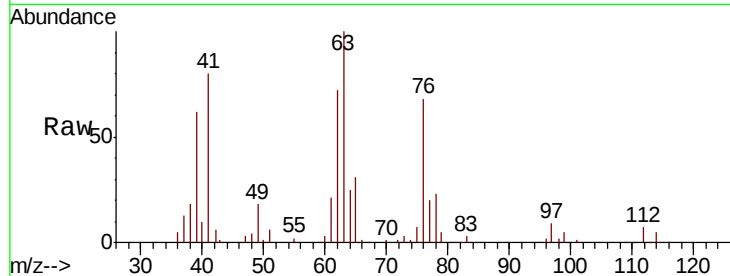




#37
 1,2-Dichloropropane
 Concen: 50.391 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

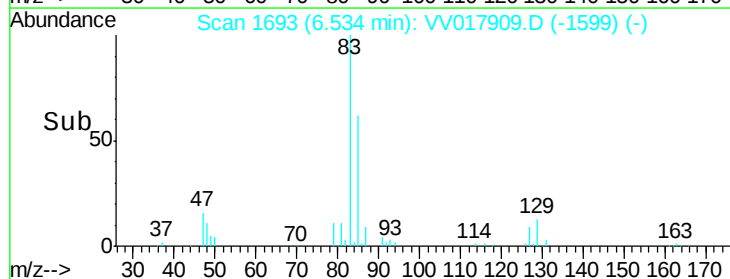
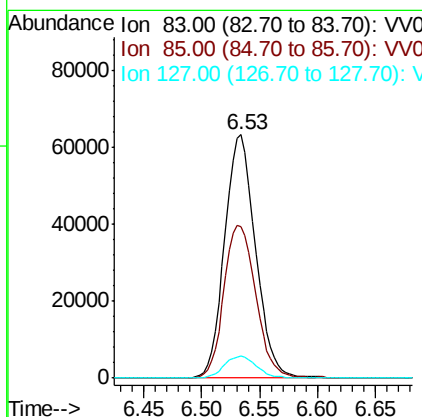
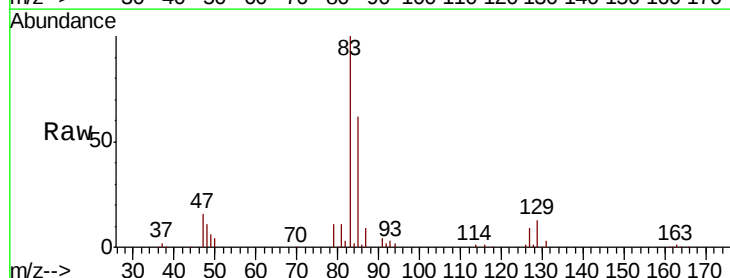
Instrument :
 MSVOA_V
 ClientSampleId :

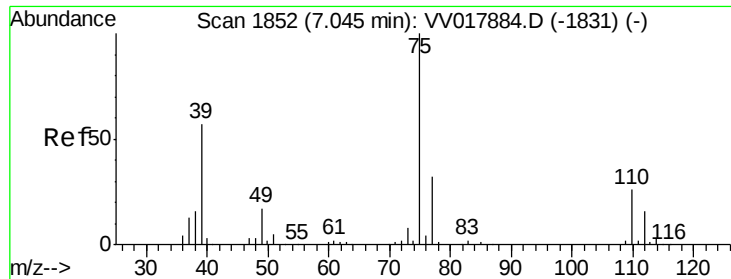
Tot Ion: 63 Resp: 62485
 Ion Ratio Lower Upper
 63 100
 112 6.4 5.8 8.6



#38
 Bromodichloromethane
 Concen: 51.864 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion: 83 Resp: 116785
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.4 84.2
 127 9.0 7.8 11.8

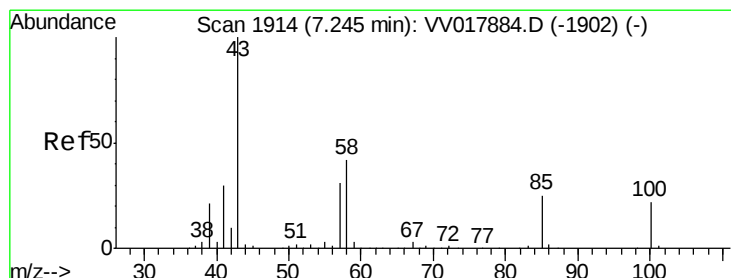
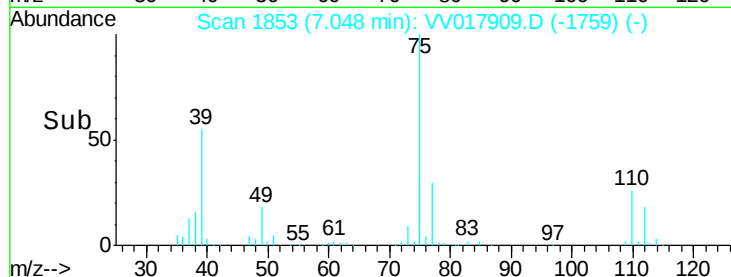
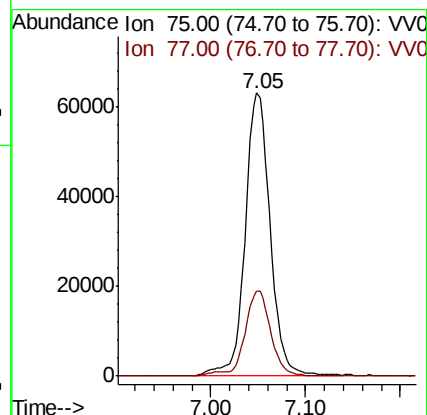
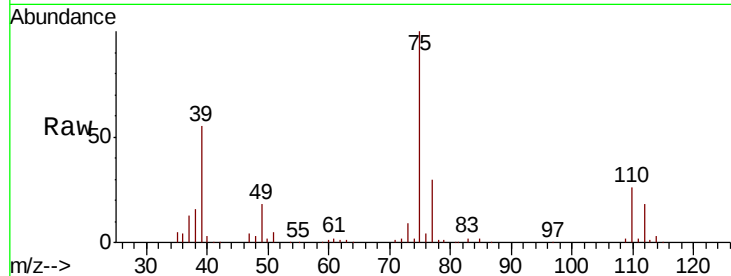




#39
 cis-1,3-Dichloropropene
 Concen: 54.233 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

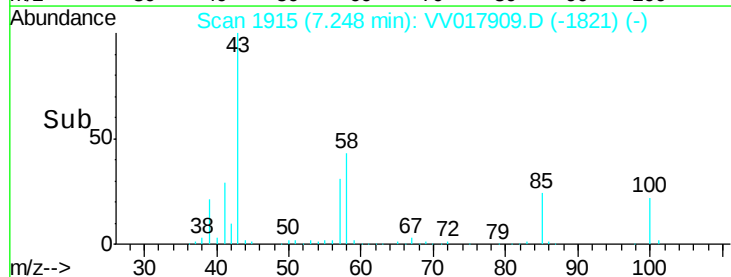
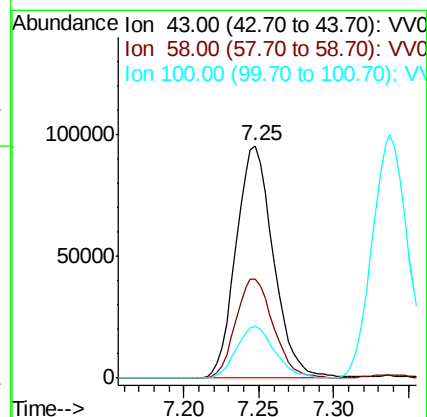
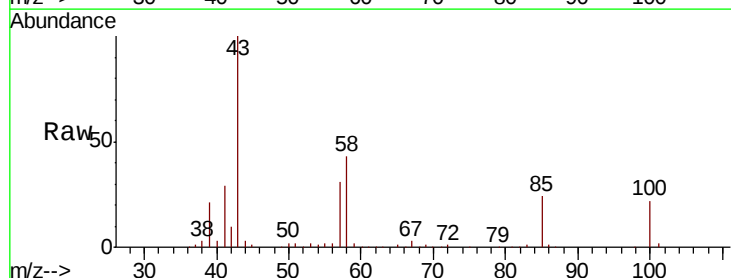
Instrument :
 MSVOA_V
 ClientSampleId :

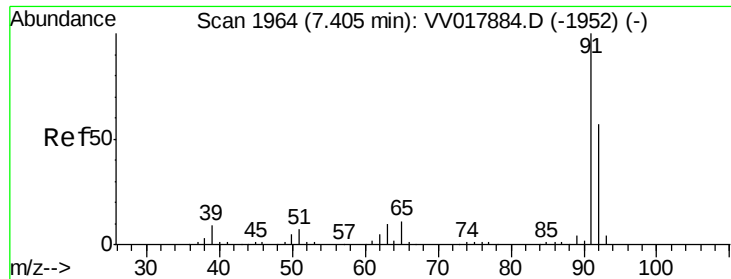
Tot Ion: 75 Resp: 115654
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.7 44.1



#40
 4-Methyl-2-pentanone
 Concen: 102.651 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion: 43 Resp: 166059
 Ion Ratio Lower Upper
 43 100
 58 43.0 32.3 48.5
 100 22.8 17.4 26.0





#42

Toluene

Concen: 48.319 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

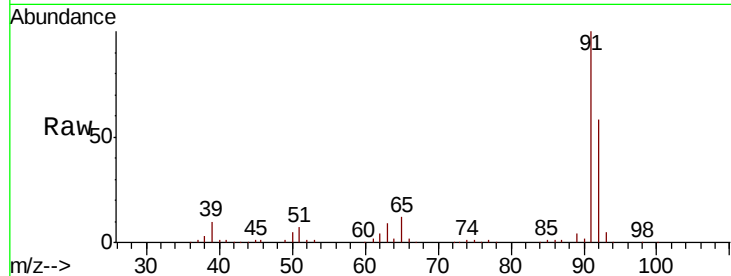
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 319325

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV017884.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017884.D (-1952) (-)

7.41

200000

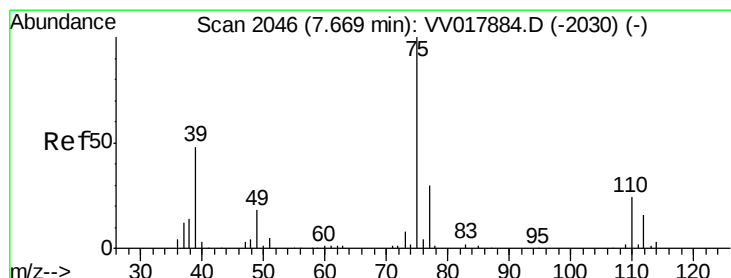
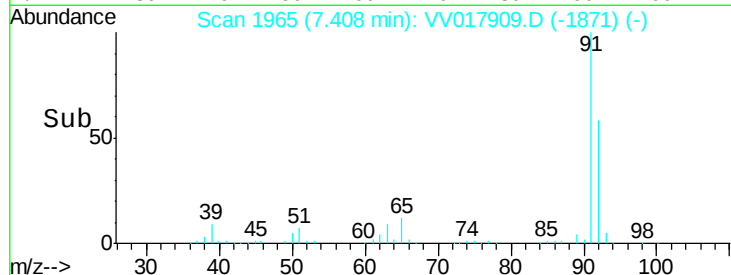
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.635 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017909.D

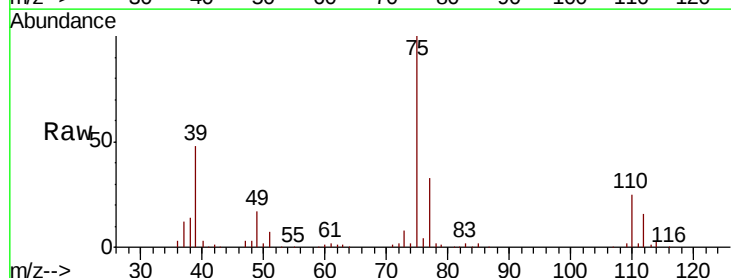
Acq: 10 Aug 2020 20:24

Tgt Ion: 75 Resp: 122449

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017884.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV017884.D (-2030) (-)

7.67

80000

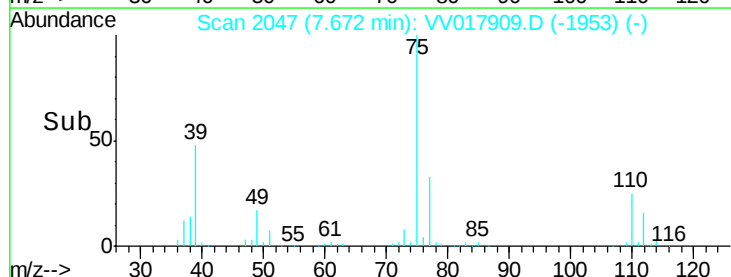
60000

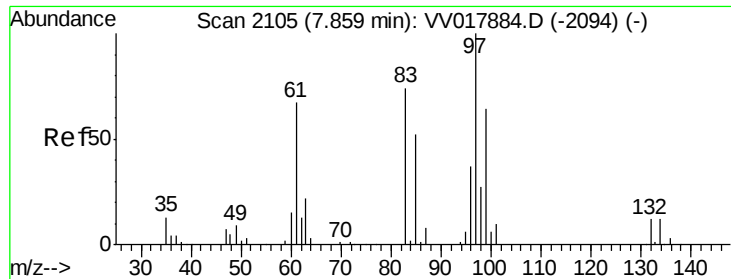
40000

20000

0

Time-->

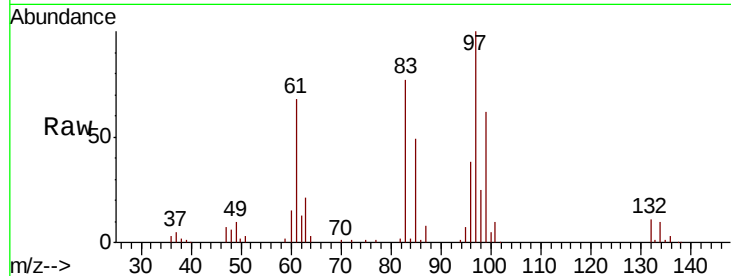




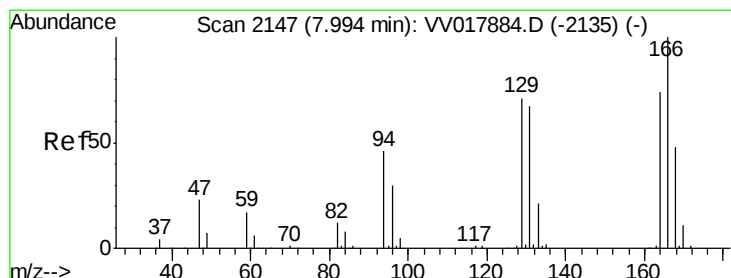
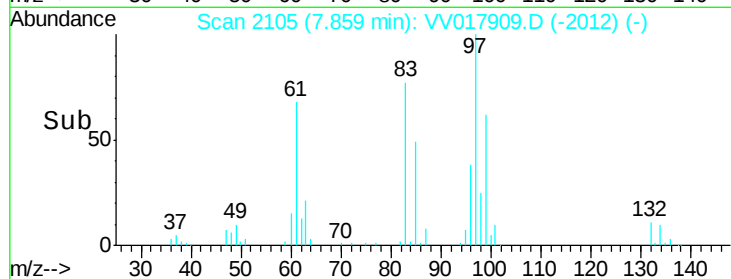
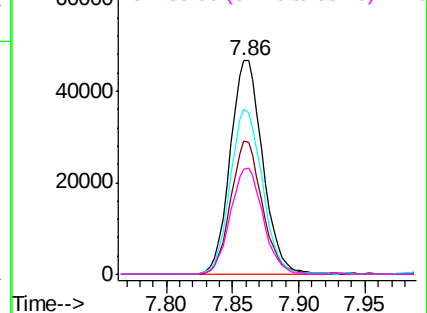
#45
1,1,2-Trichloroethane
Concen: 51.117 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	79760
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.7	82.9
83	77.3	55.7	103.5
85	49.3	35.4	65.8

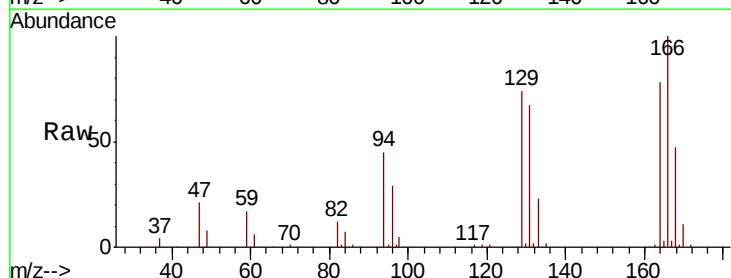


Abundance Ion 97.00 (96.70 to 97.70): VV017884.D (-2094) (-)

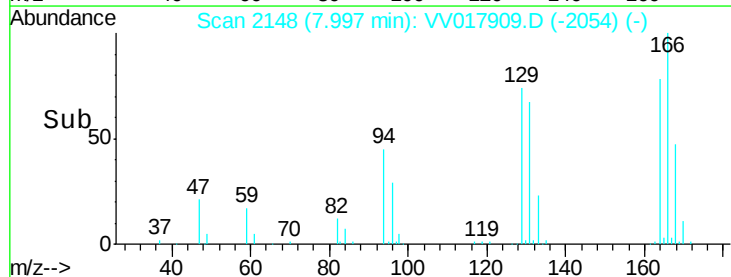
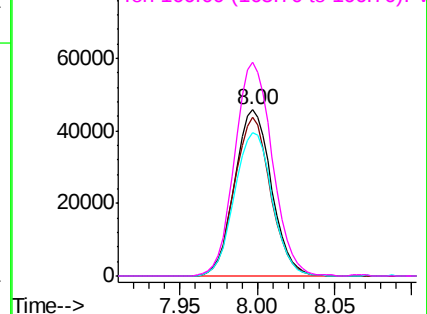


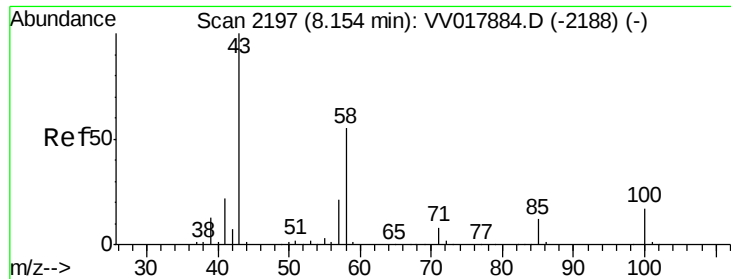
#46
Tetrachloroethene
Concen: 47.073 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion:	164	Resp:	75999
Ion	Ratio	Lower	Upper
164	100		
129	95.6	61.6	114.4
131	86.1	59.6	110.8
166	128.4	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): VV017884.D (-2135) (-)

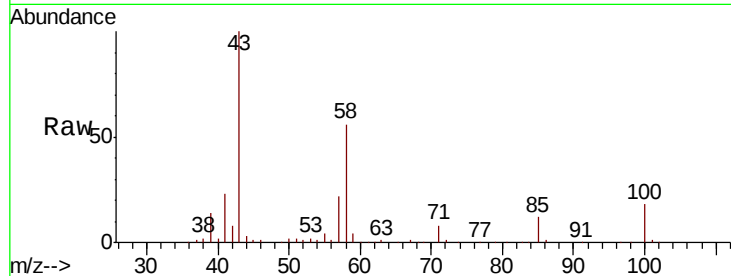




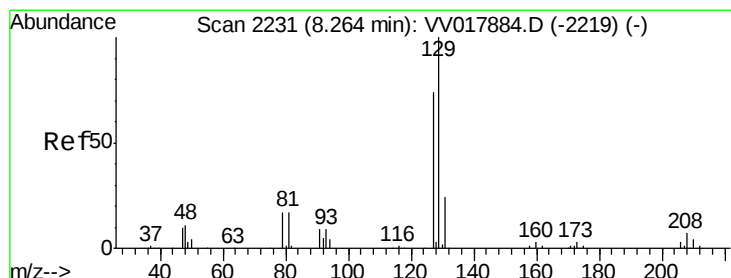
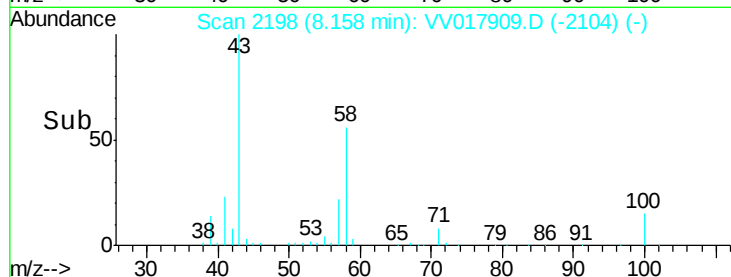
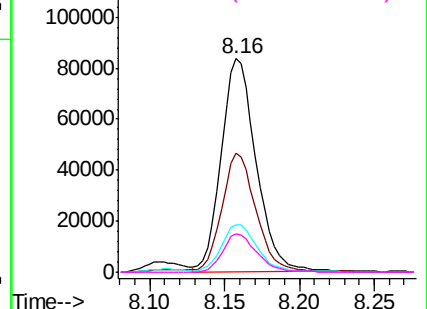
#48
2-Hexanone
Concen: 99.901 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 135303
Ion Ratio Lower Upper
43 100
58 54.0 43.8 65.8
57 22.9 18.0 27.0
100 17.8 13.8 20.8

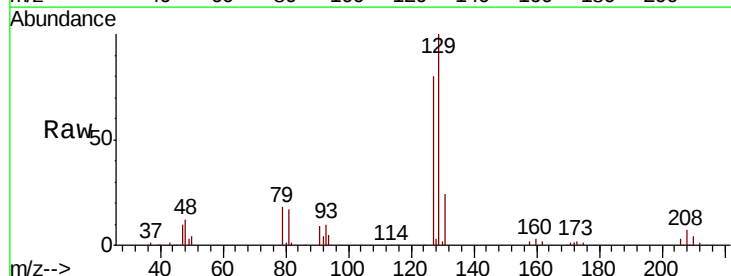


Abundance Ion 43.00 (42.70 to 43.70): VV017909.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV017909.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV017909.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV017909.D (-2104) (-)

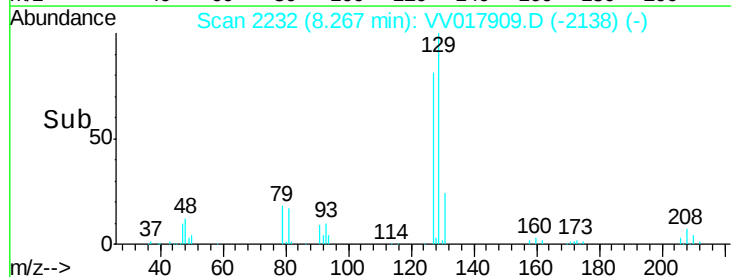
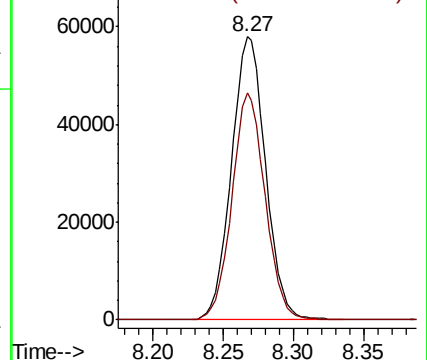


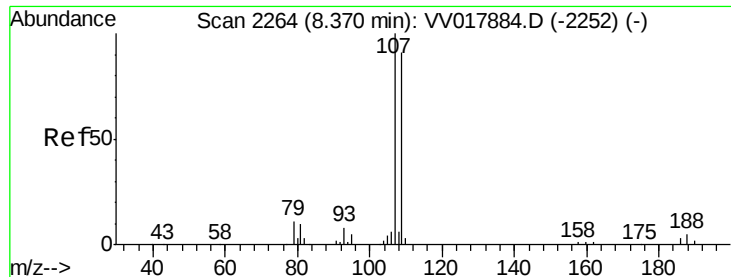
#49
Dibromochloromethane
Concen: 56.394 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 129 Resp: 97935
Ion Ratio Lower Upper
129 100
127 80.0 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017909.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV017909.D (-2138) (-)

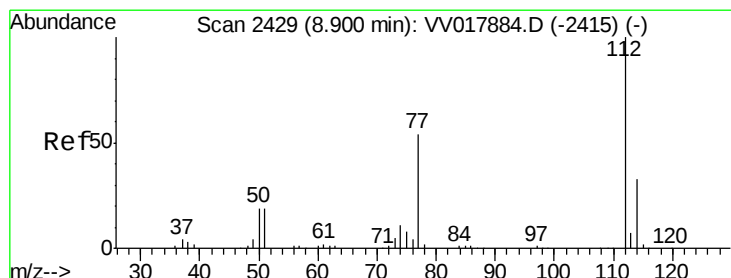
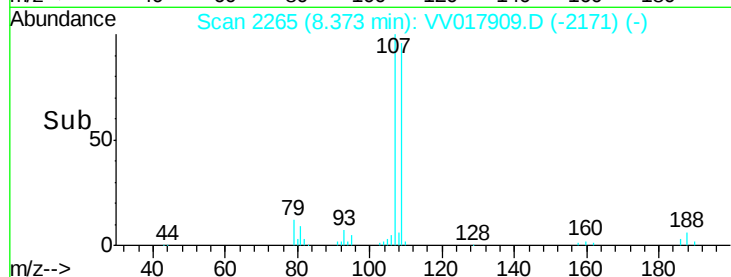
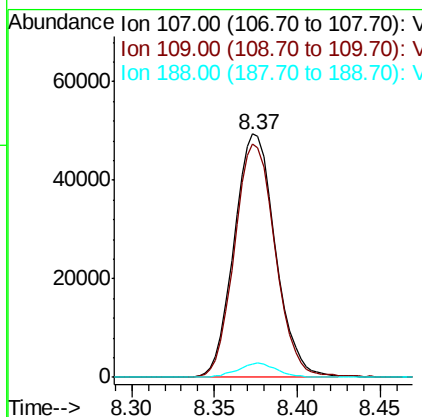
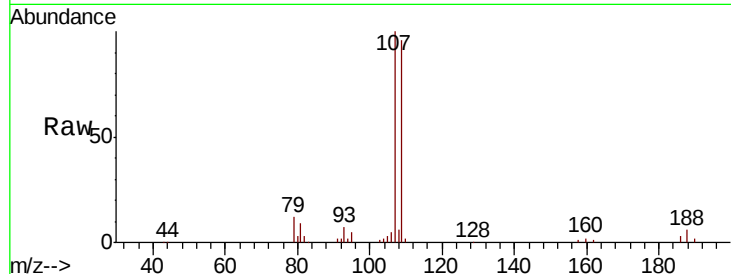




#50
1,2-Dibromoethane
Concen: 49.678 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

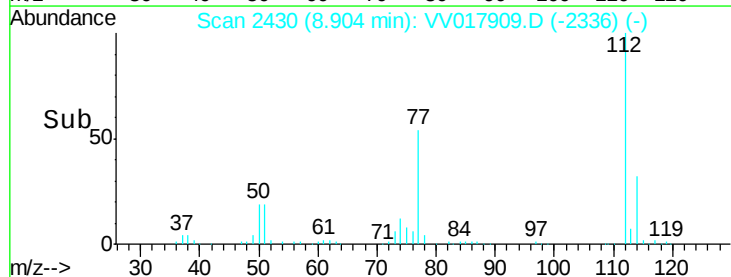
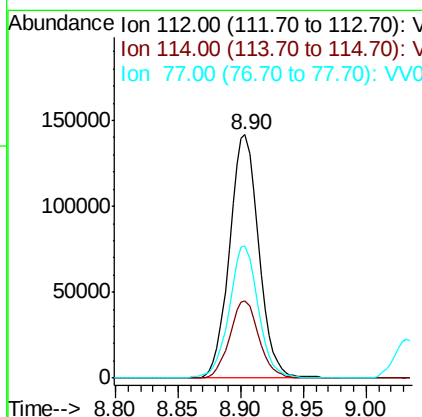
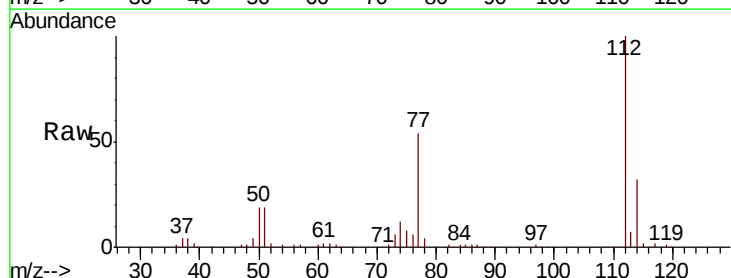
Instrument :
MSVOA_V
ClientSampleId :

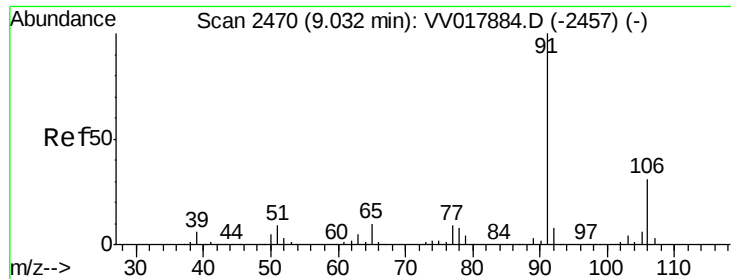
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	67.3	125.1
188	5.7	4.3	6.5



#51
Chlorobenzene
Concen: 49.836 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	54.4	42.7	64.1





#52

Ethylbenzene

Concen: 49.227 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

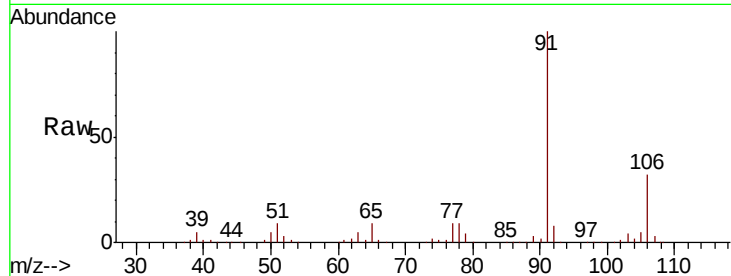
ClientSampled :

Tot Ion: 91 Resp: 373796

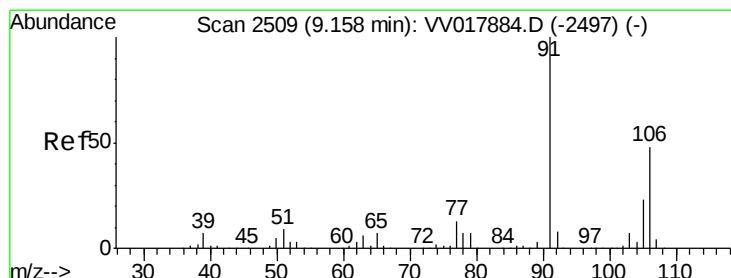
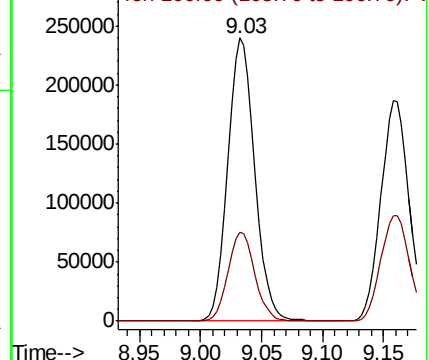
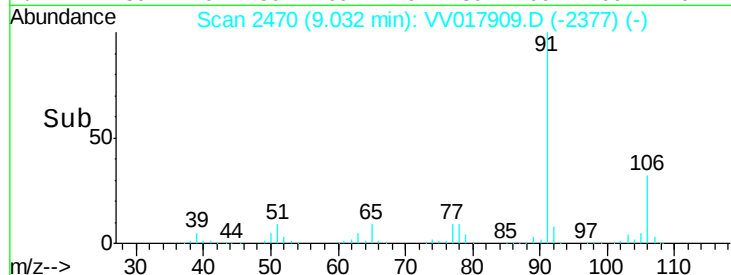
Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017909.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.617 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017909.D

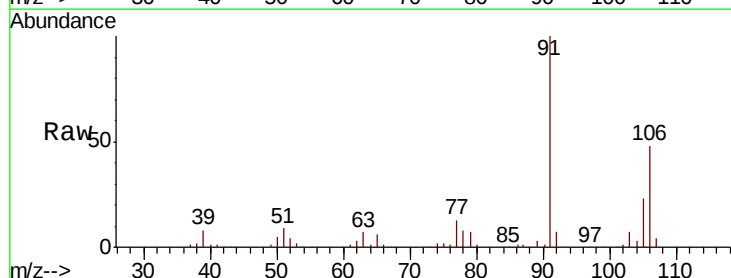
Acq: 10 Aug 2020 20:24

Tgt Ion: 106 Resp: 146449

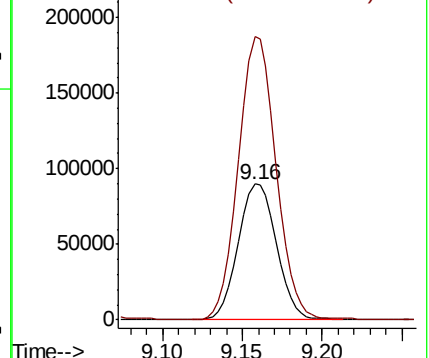
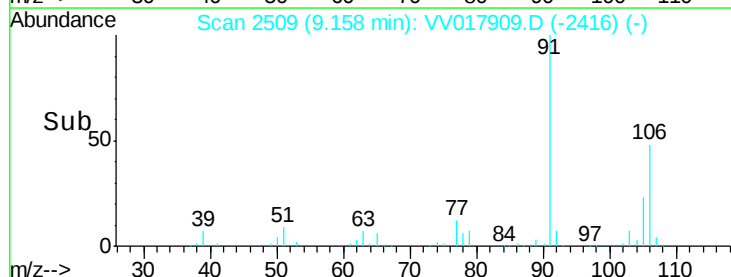
Ion Ratio Lower Upper

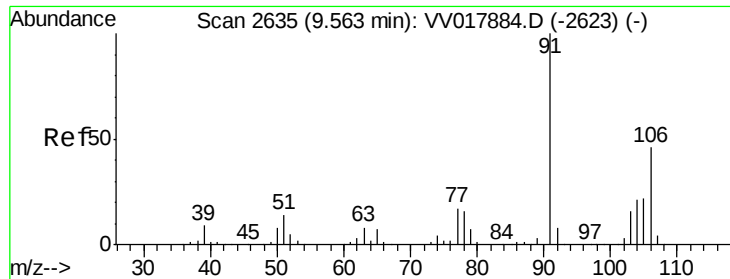
106 100

91 208.7 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017909.D (-2416) (-)





#54

o-xylene

Concen: 49.071 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

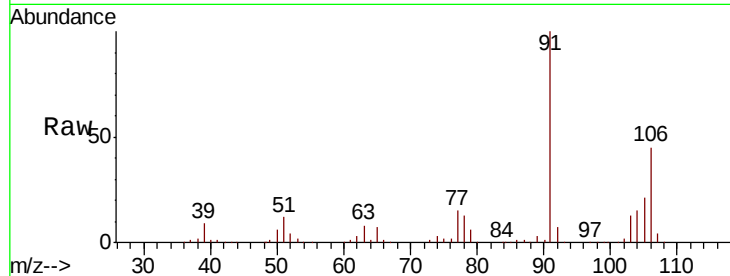
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 142242

Ion Ratio Lower Upper

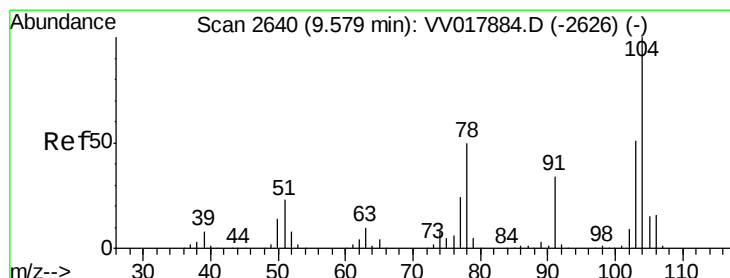
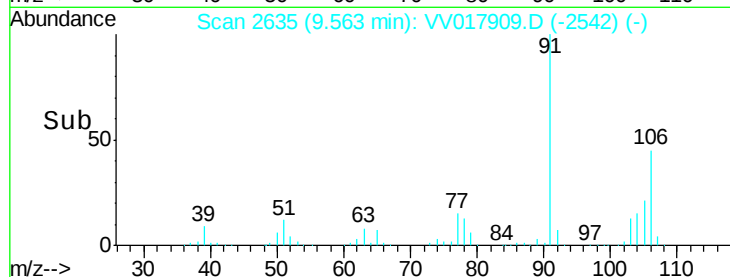
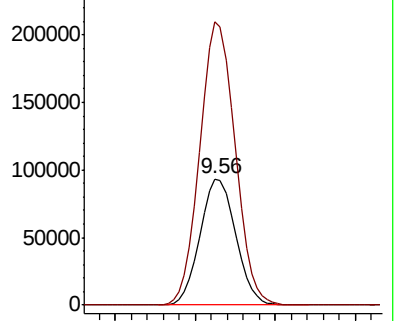
106 100

91 224.2 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.824 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017909.D

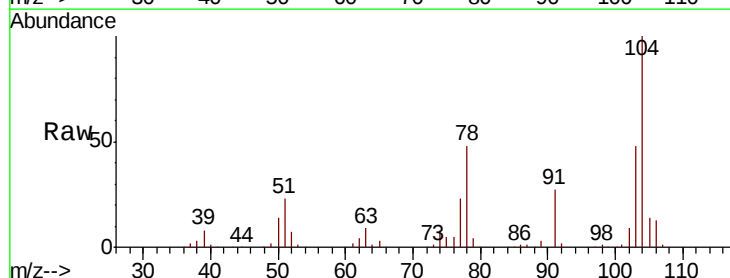
Acq: 10 Aug 2020 20:24

Tgt Ion:104 Resp: 247661

Ion Ratio Lower Upper

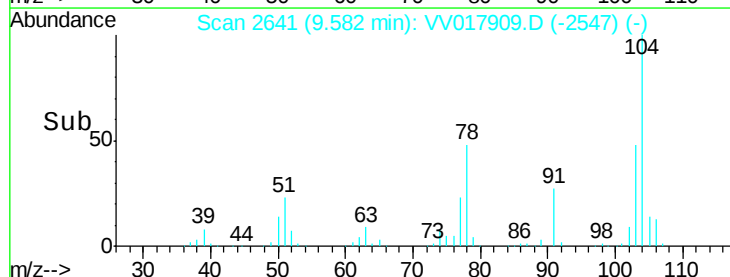
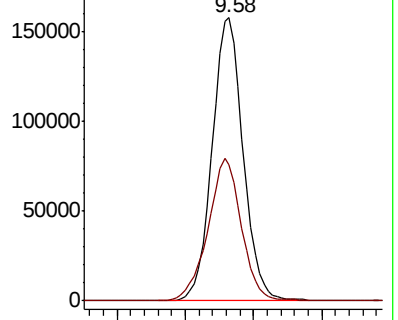
104 100

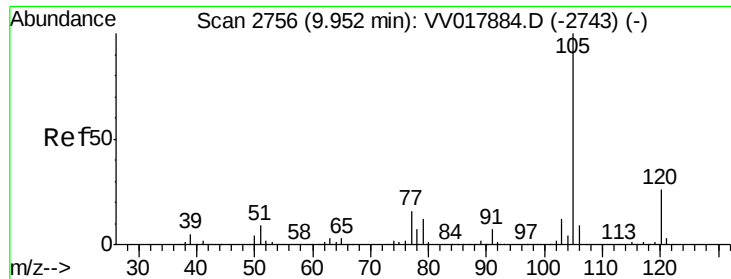
78 48.2 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.098 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :

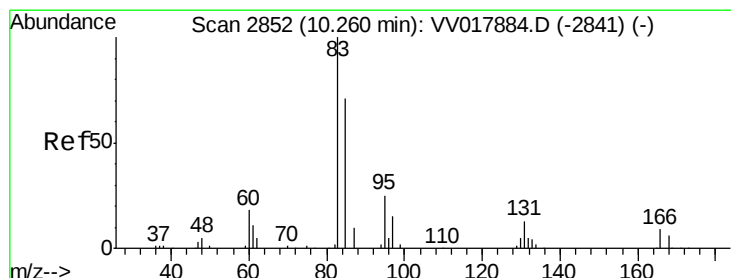
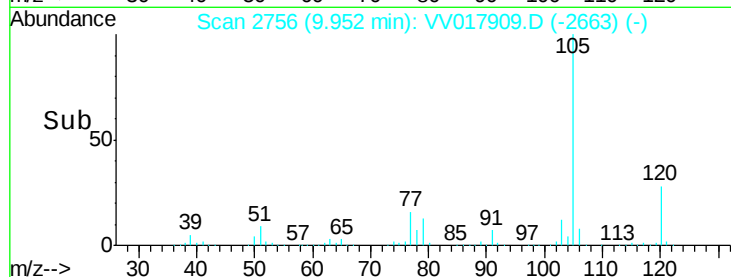
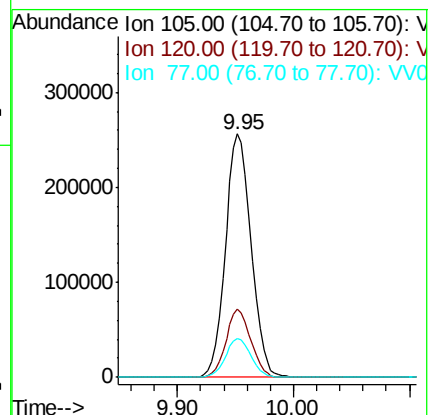
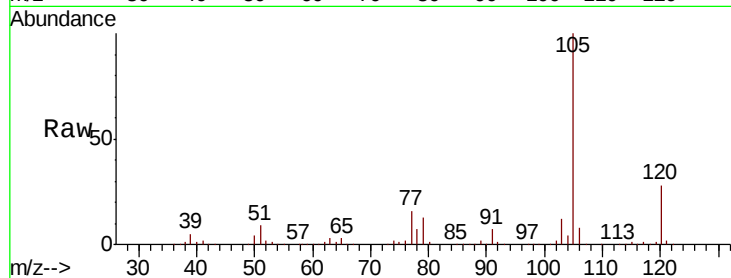
Tot Ion:105 Resp: 393366

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.4

77 15.9 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.057 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

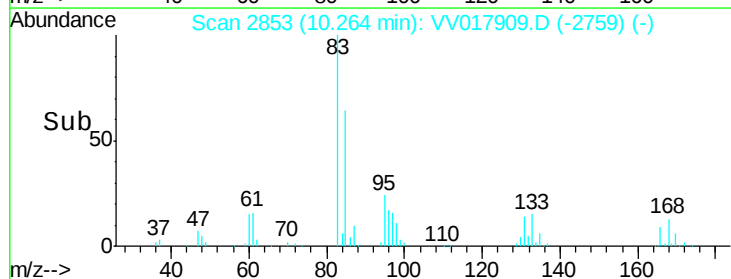
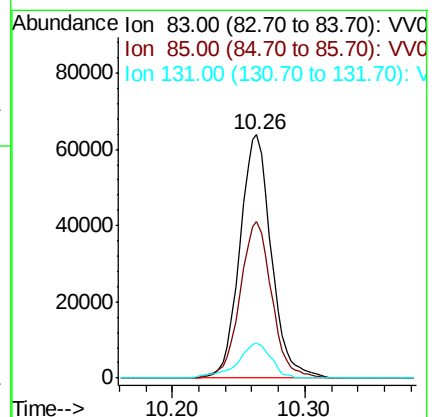
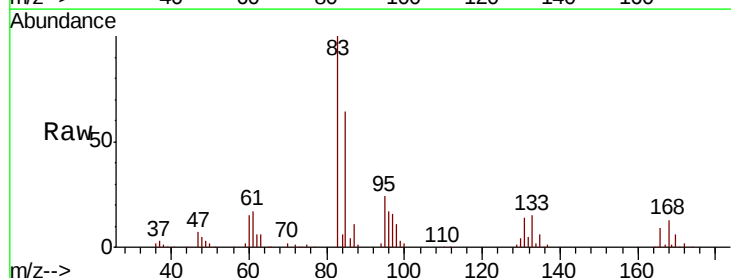
Tgt Ion: 83 Resp: 105201

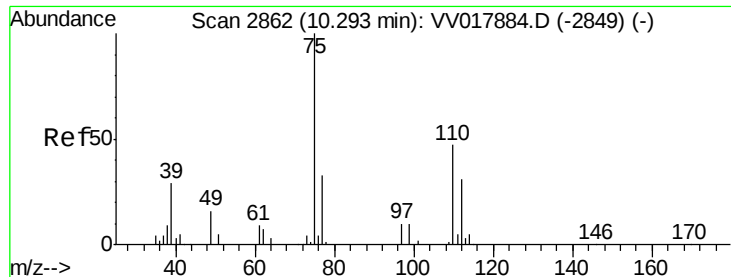
Ion Ratio Lower Upper

83 100

85 64.2 47.5 88.1

131 14.2 11.1 16.7





#59

1,2,3-Trichloropropane

Concen: 50.730 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

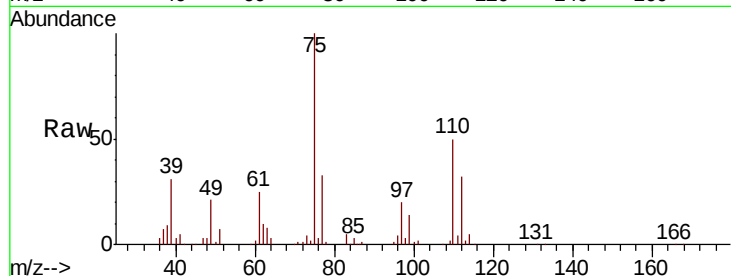
ClientSampleId :

Tot Ion: 75 Resp: 96866

Ion Ratio Lower Upper

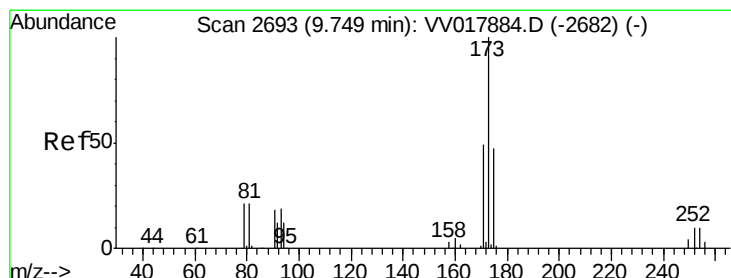
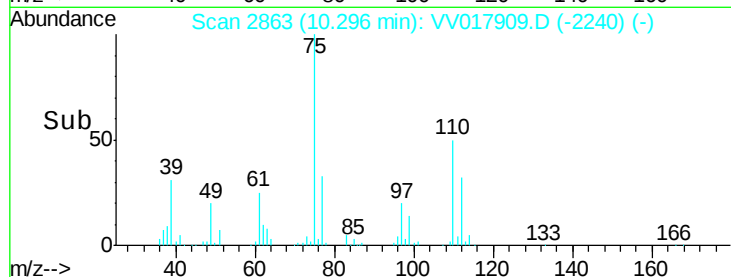
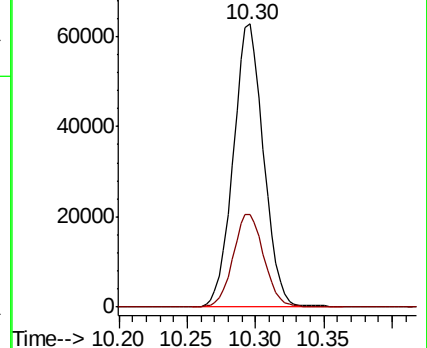
75 100

77 33.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017884.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017884.D (-2849) (-)



#61

Bromoform

Concen: 61.889 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

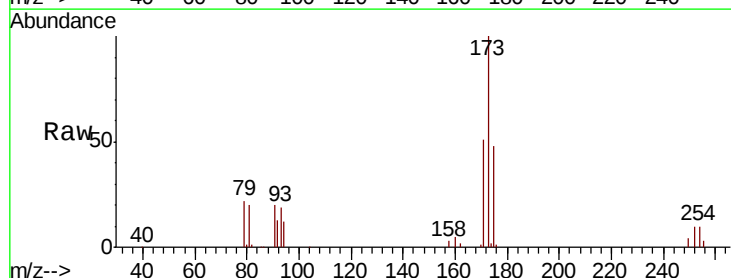
Tgt Ion: 173 Resp: 70927

Ion Ratio Lower Upper

173 100

175 47.4 40.6 60.8

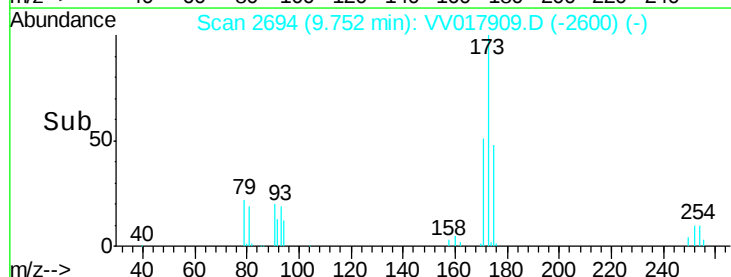
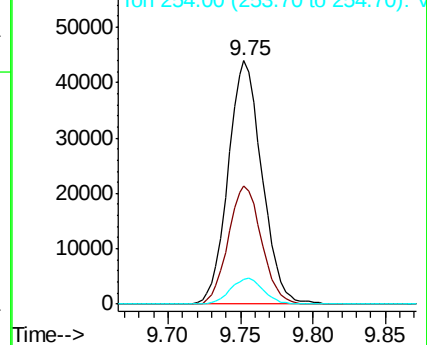
254 10.4 8.2 12.2

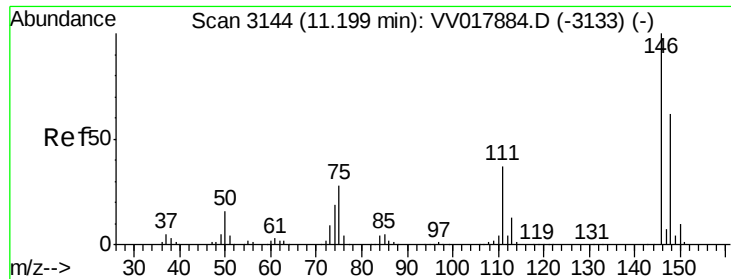


Abundance Ion 173.00 (172.70 to 173.70): VV017884.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017884.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017884.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 49.045 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

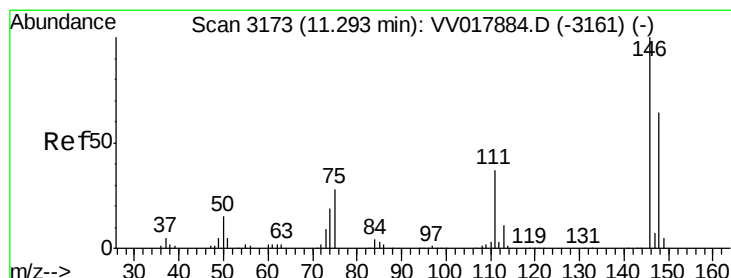
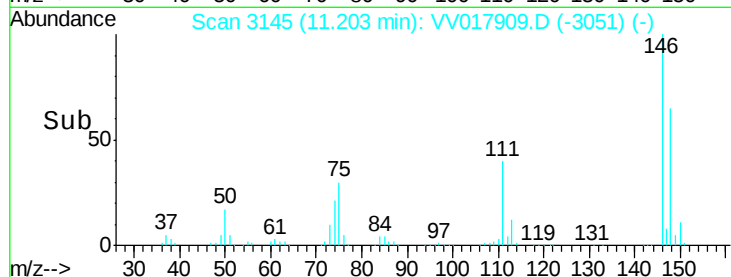
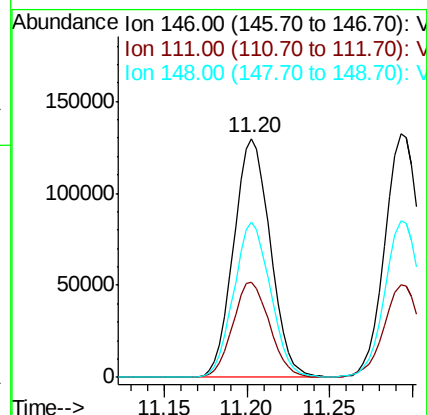
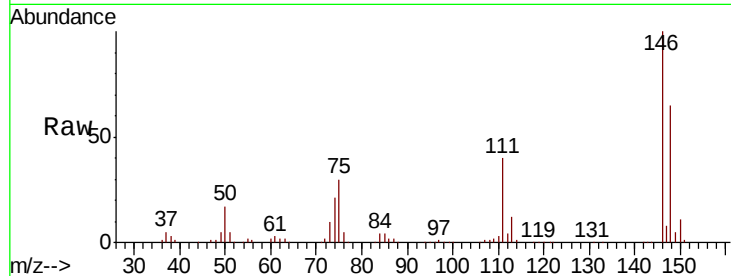
Tot Ion:146 Resp: 199961

Ion Ratio Lower Upper

146 100

111 39.8 27.1 50.3

148 65.3 43.8 81.4



#63

1,4-Dichlorobenzene

Concen: 48.762 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

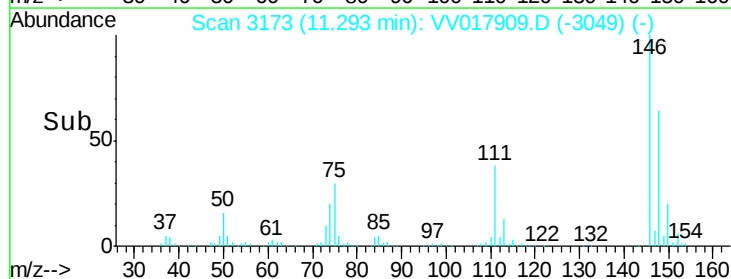
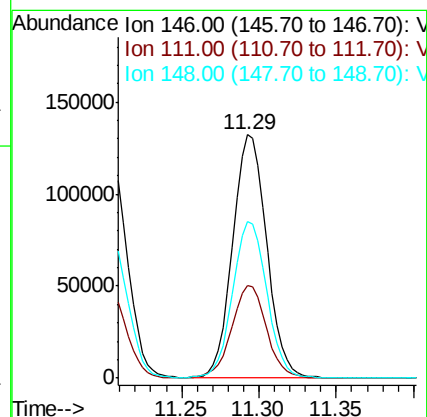
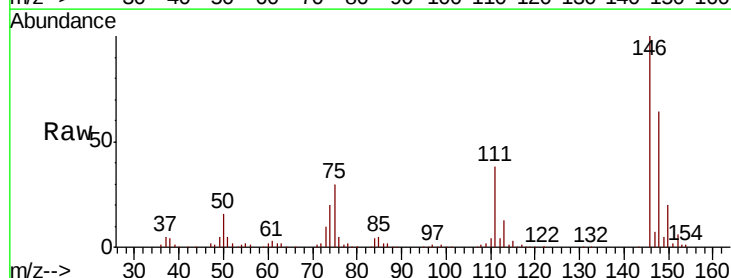
Tgt Ion:146 Resp: 201929

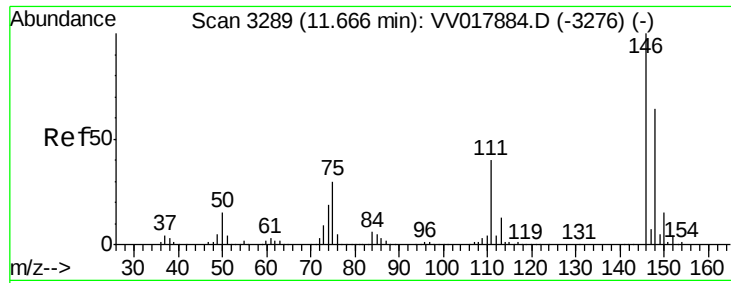
Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.8

148 64.5 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 50.479 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

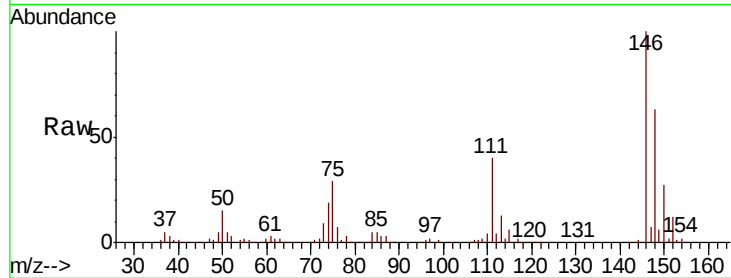
Tot Ion:146 Resp: 209393

Ion Ratio Lower Upper

146 100

111 39.7 32.9 49.3

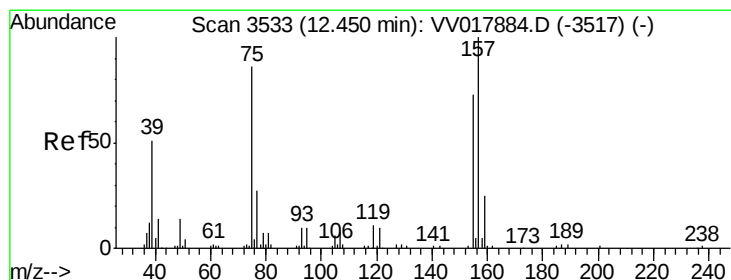
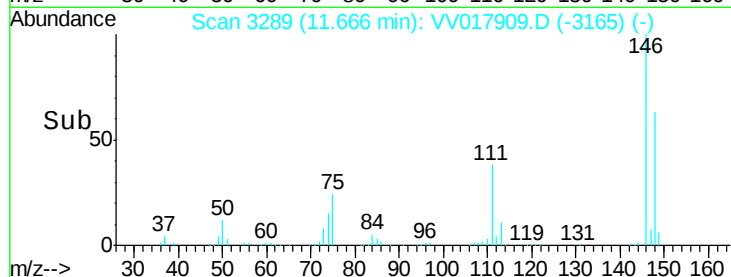
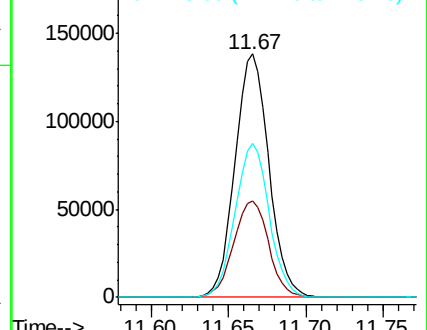
148 63.2 51.9 77.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 55.171 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

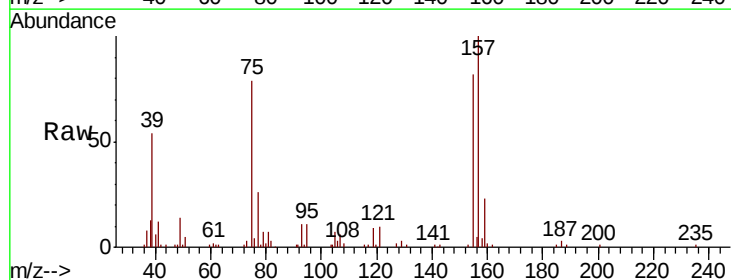
Tgt Ion: 75 Resp: 29955

Ion Ratio Lower Upper

75 100

155 102.6 75.0 112.6

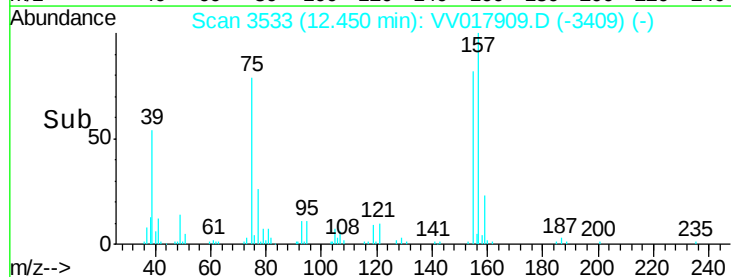
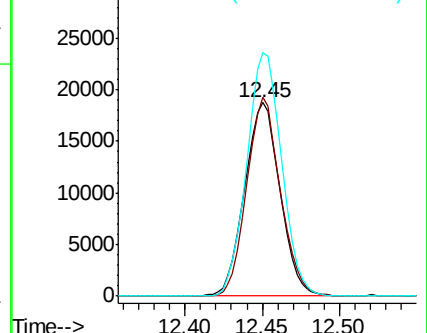
157 125.8 95.0 142.4

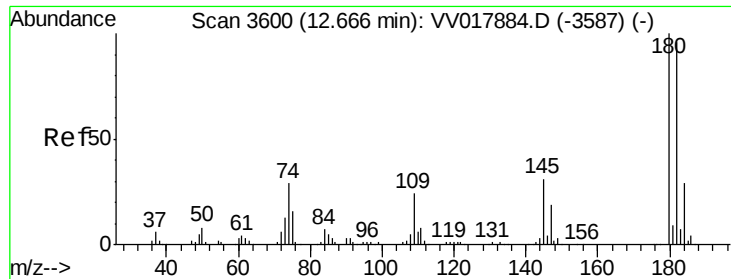


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

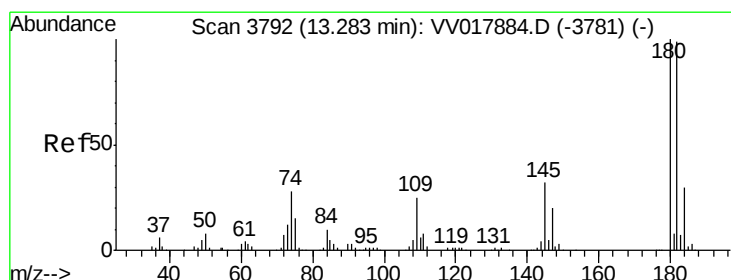
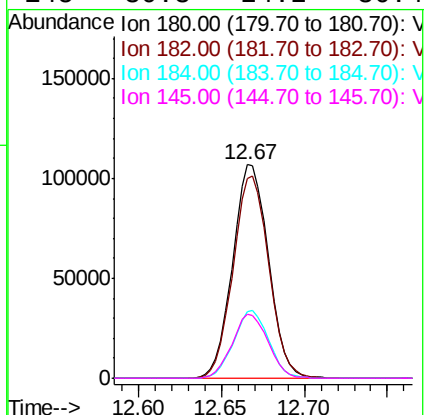
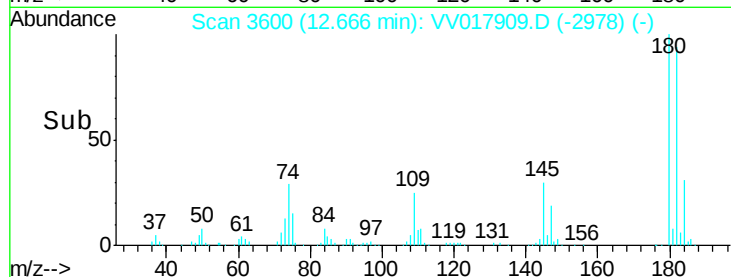
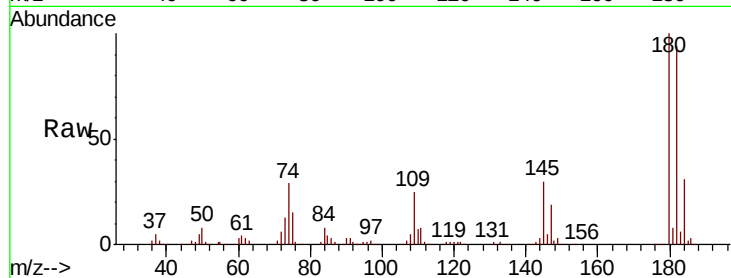




#67
 1,3,5-Trichlorobenzene
 Concen: 48.438 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

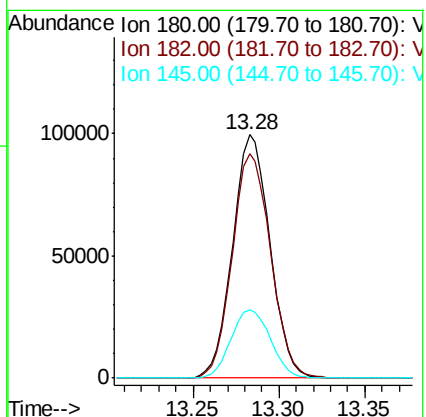
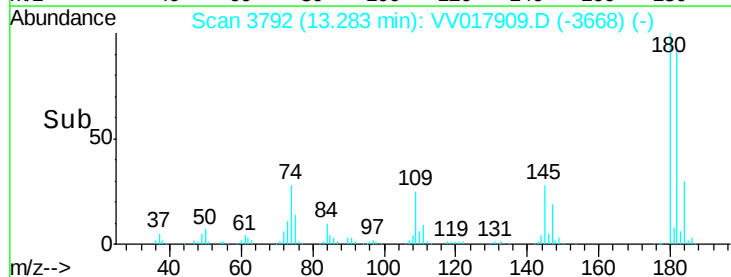
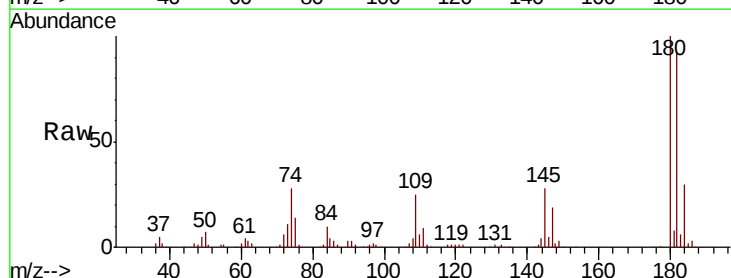
Instrument :
 MSVOA_V
 ClientSampleId :

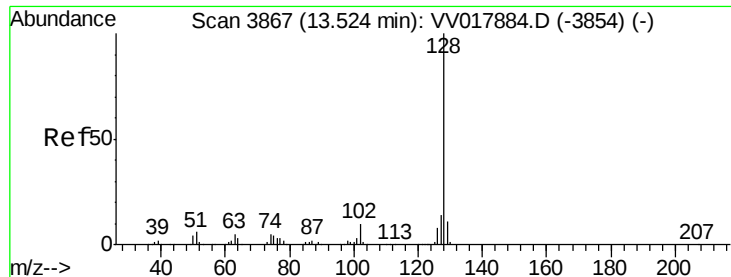
Tot Ion:180	Resp:	160511
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.7 115.1
184	30.9	24.4 36.6
145	30.3	24.2 36.4



#68
 1,2,4-trichlorobenzene
 Concen: 51.742 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion:180	Resp:	150173
Ion Ratio	Lower	Upper
180	100	
182	94.8	75.6 113.4
145	29.6	24.1 36.1





#69

Naphthalene

Concen: 54.789 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

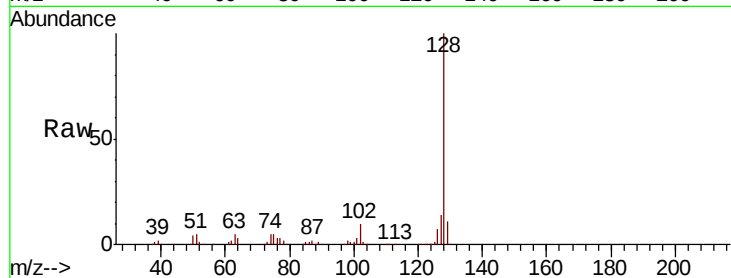
Tot Ion:128 Resp: 406058

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

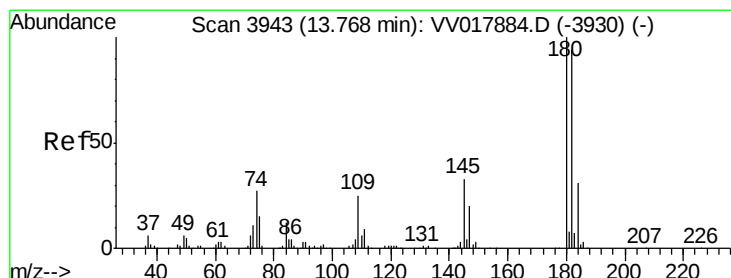
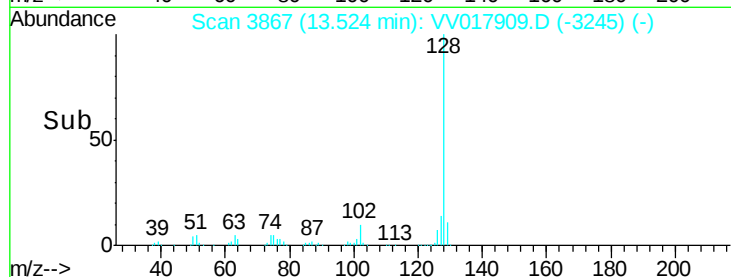
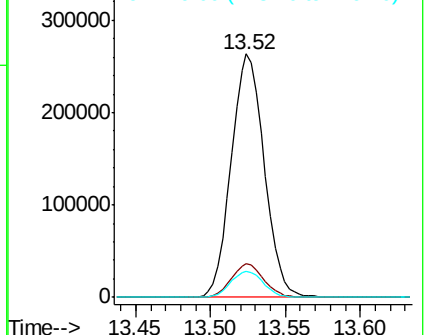
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.112 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

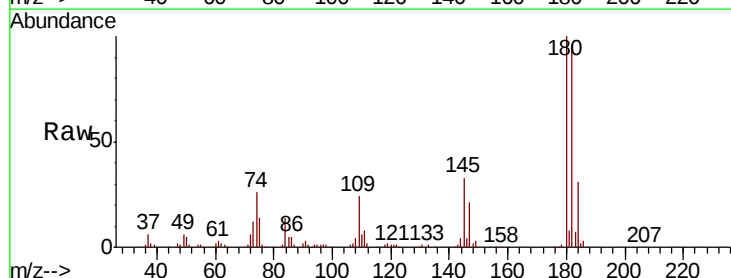
Tgt Ion:180 Resp: 155598

Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

145 33.4 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

