

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017884.D
 Acq On : 10 Aug 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 11 01:14:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 15:54:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	258885	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251216	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145036	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	67545	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.04%
7) Chloroethane-d5	1.58	69	57118	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.58%
11) 1,1-Dichloroethene-d2	2.12	63	158453	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.66%
21) 2-Butanone-d5	3.91	46	90257	107.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.81%
24) Chloroform-d	4.37	84	182844	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.32%
26) 1,2-Dichloroethane-d4	5.05	65	136115	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.88%
32) Benzene-d6	5.07	84	295960	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
36) 1,2-Dichloropropane-d6	6.09	67	76241	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.33	98	293726	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%
43) trans-1,3-Dichloropropene-	7.64	79	54965	58.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.06%
47) 2-Hexanone-d5	8.11	63	57404	107.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.75%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	118018	51.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	146403	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	108821	52.868	ug/L	99
3) Chloromethane	1.25	50	63801	48.995	ug/L	96
5) Vinyl chloride	1.32	62	74253	49.089	ug/L	98
6) Bromomethane	1.53	94	53397	51.896	ug/L	98
8) Chloroethane	1.59	64	48942	51.267	ug/L	94
9) Trichlorofluoromethane	1.76	101	187250	50.299	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	85025	51.407	ug/L	97
12) 1,1-Dichloroethene	2.13	96	74781	49.031	ug/L	96
13) Acetone	2.19	43	136929	125.686	ug/L	100
14) Carbon disulfide	2.31	76	191023	54.342	ug/L	97
15) Methyl Acetate	2.44	43	62764	52.236	ug/L	97
16) Methylene chloride	2.52	84	80564	50.237	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	78068	50.150	ug/L	91
18) Methyl tert-butyl Ether	2.78	73	276485	51.590	ug/L	99
19) 1,1-Dichloroethane	3.21	63	132123	51.428	ug/L	98
20) cis-1,2-Dichloroethene	3.93	96	86784	51.618	ug/L	95
22) 2-Butanone	3.99	43	116224	122.887	ug/L	96

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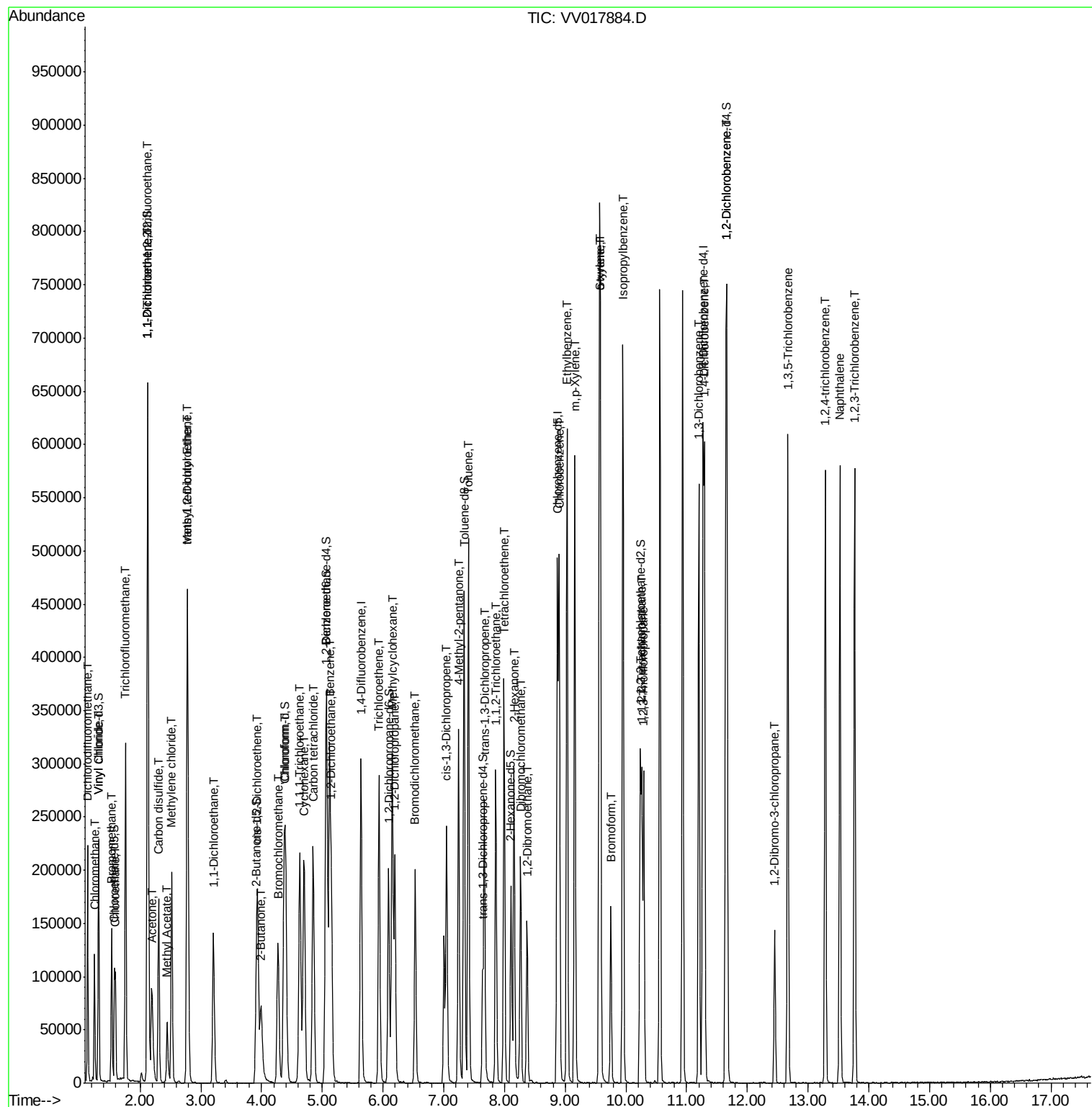
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52433	52.191	ug/L	99
25) Chloroform	4.40	83	168777	51.062	ug/L	98
27) 1,2-Dichloroethane	5.15	62	151154	50.655	ug/L	99
29) Cyclohexane	4.70	56	102829	51.377	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	175383	49.876	ug/L	98
31) Carbon tetrachloride	4.85	117	162887	51.894	ug/L	99
33) Benzene	5.12	78	299381	50.391	ug/L	100
34) Trichloroethene	5.94	95	92416	51.490	ug/L	99
35) Methylcyclohexane	6.15	83	131503	51.448	ug/L	98
37) 1,2-Dichloropropane	6.20	63	68205	52.493	ug/L	98
38) Bromodichloromethane	6.53	83	129258	54.784	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	128631	57.566	ug/L	96
40) 4-Methyl-2-pentanone	7.24	43	182959	107.937	ug/L	100
42) Toluene	7.41	91	358091	51.713	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	137735	58.650	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	82195	50.274	ug/L	96
46) Tetrachloroethene	7.99	164	85363	50.460	ug/L	91
48) 2-Hexanone	8.15	43	161162	113.564	ug/L	99
49) Dibromochloromethane	8.26	129	107626	59.146	ug/L	98
50) 1,2-Dibromoethane	8.37	107	93896	52.105	ug/L	95
51) Chlorobenzene	8.90	112	248981	51.684	ug/L	99
52) Ethylbenzene	9.03	91	406145	51.046	ug/L	99
53) m,p-Xylene	9.16	106	155361	50.234	ug/L	99
54) o-xylene	9.56	106	155665	51.251	ug/L	98
55) Styrene	9.58	104	271765	52.178	ug/L	99
56) Isopropylbenzene	9.95	105	429155	51.121	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	113101	51.361	ug/L	96
59) 1,2,3-Trichloropropane	10.29	75	103871	51.916	ug/L	99
61) Bromoform	9.75	173	75911	60.901	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	227065	51.206	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	226891	50.375	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	227737	50.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34790	58.914	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	184896	51.301	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	168205	53.286	ug/L	96
69) Naphthalene	13.52	128	442834	54.936	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	173940	54.589	ug/L	99

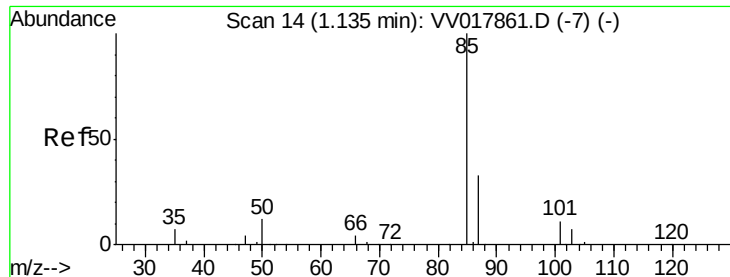
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 52.868 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

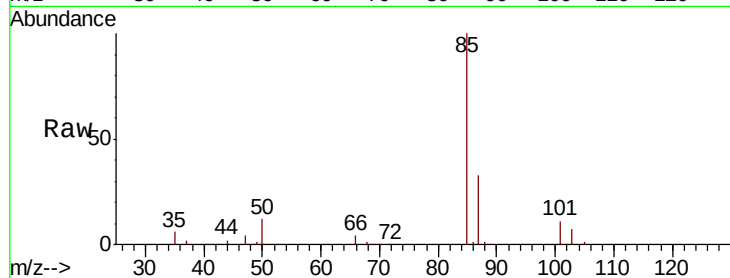
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 108821

Ion Ratio Lower Upper

85 100

87 33.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017861.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017861.D (-7) (-)

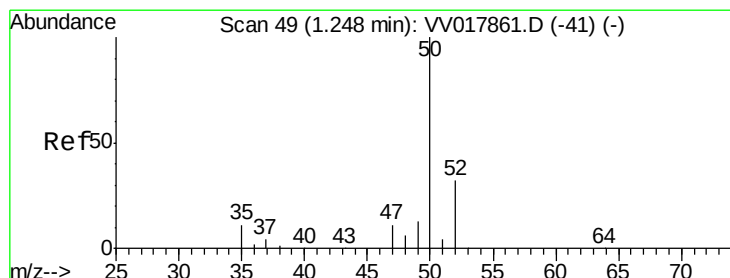
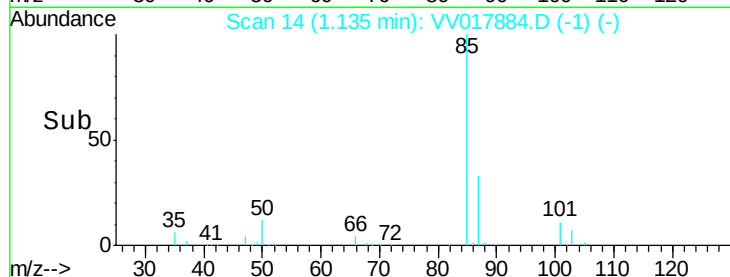
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.995 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017884.D

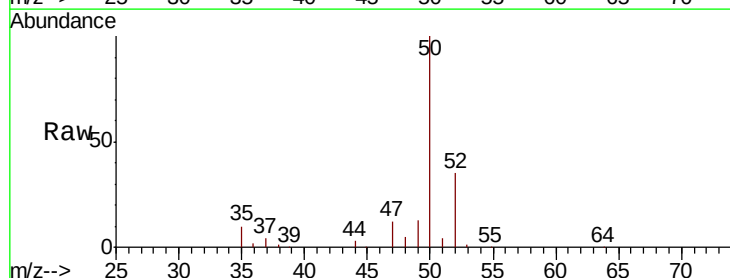
Acq: 10 Aug 2020 09:31

Tgt Ion: 50 Resp: 63801

Ion Ratio Lower Upper

50 100

52 34.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017861.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017861.D (-41) (-)

1.25

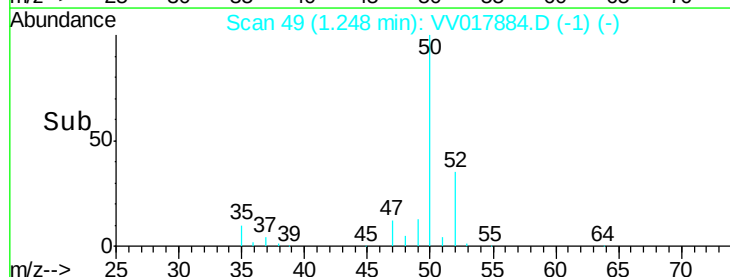
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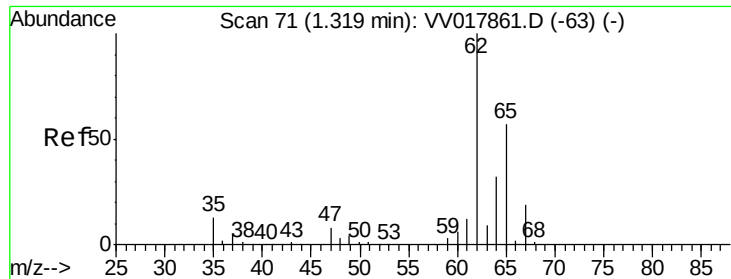
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.089 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

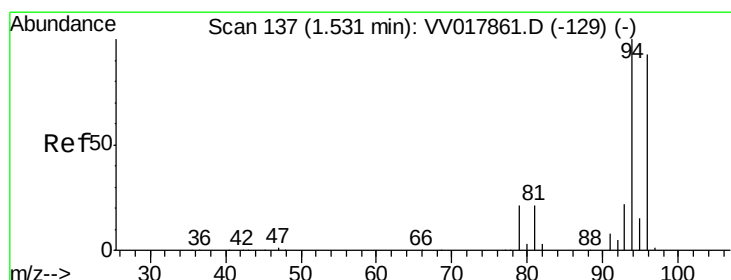
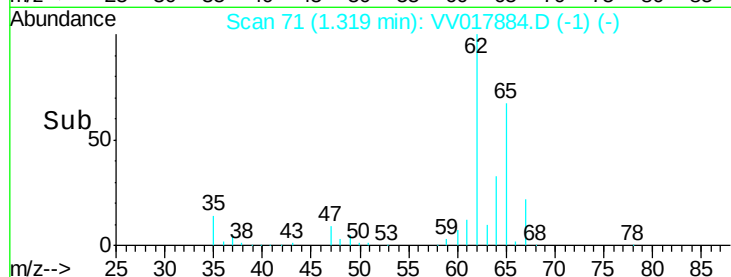
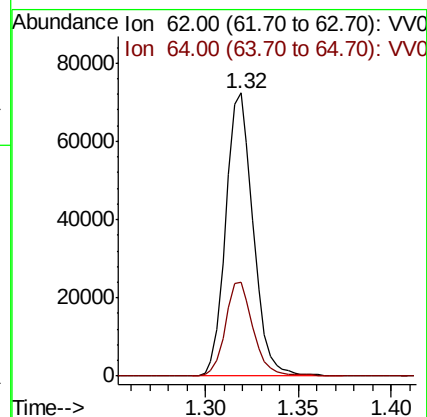
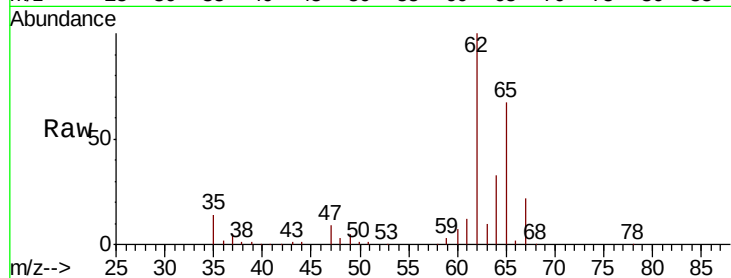
ClientSampleId :

Tot Ion: 62 Resp: 74253

Ion Ratio Lower Upper

62 100

64 33.4 24.0 44.6



#6

Bromomethane

Concen: 51.896 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017884.D

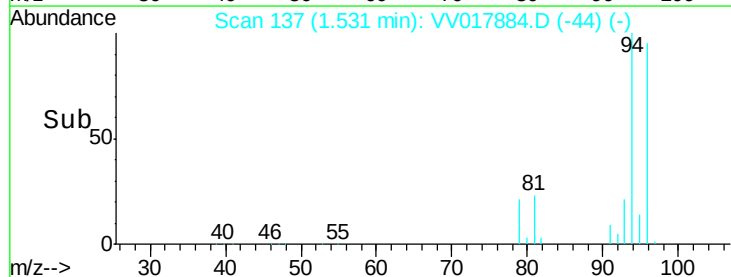
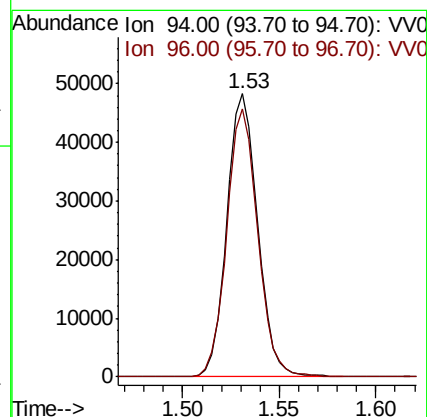
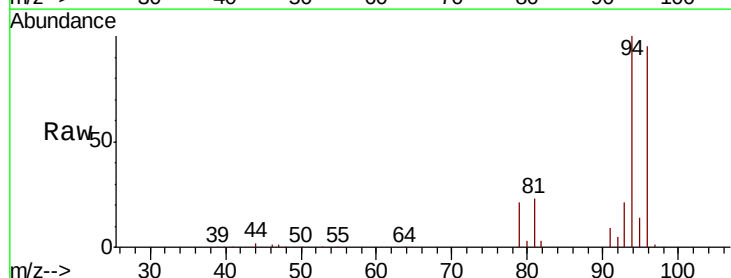
Acq: 10 Aug 2020 09:31

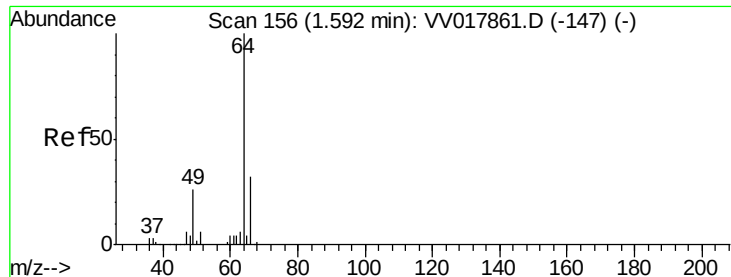
Tgt Ion: 94 Resp: 53397

Ion Ratio Lower Upper

94 100

96 94.8 67.5 125.3





#8

Chloroethane

Concen: 51.267 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

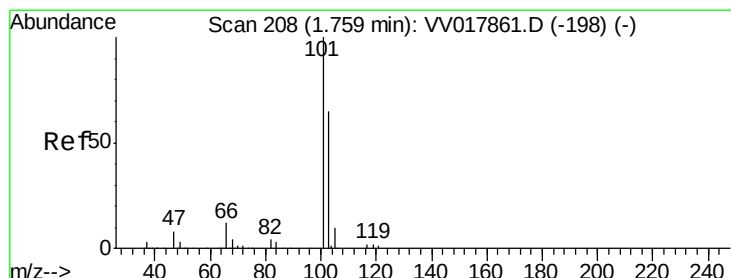
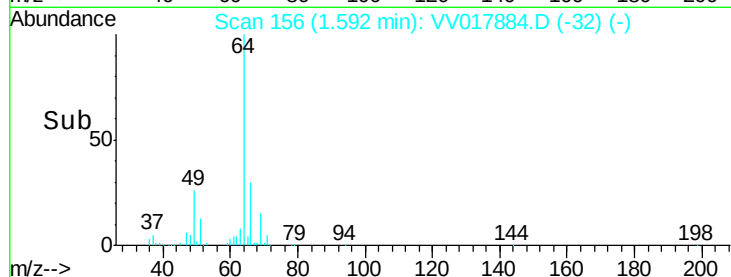
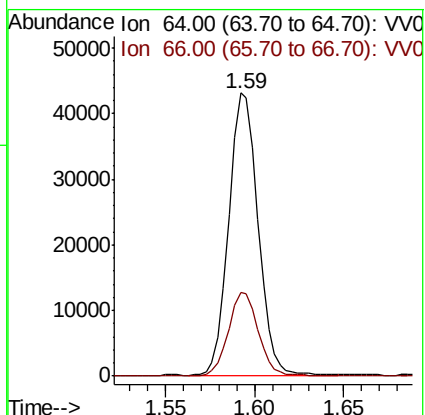
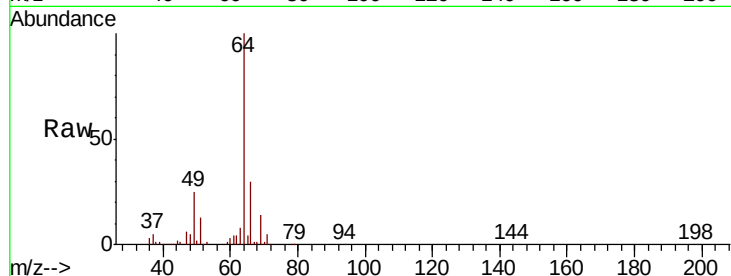
ClientSampleId :

Tot Ion: 64 Resp: 48942

Ion Ratio Lower Upper

64 100

66 29.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 50.299 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017884.D

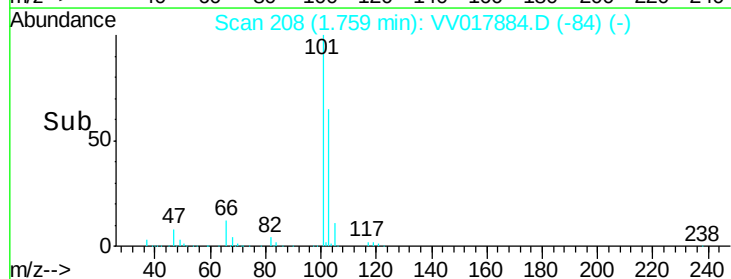
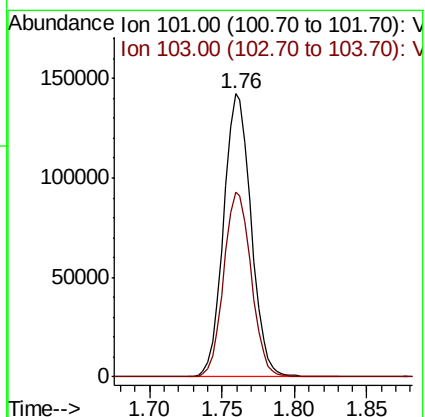
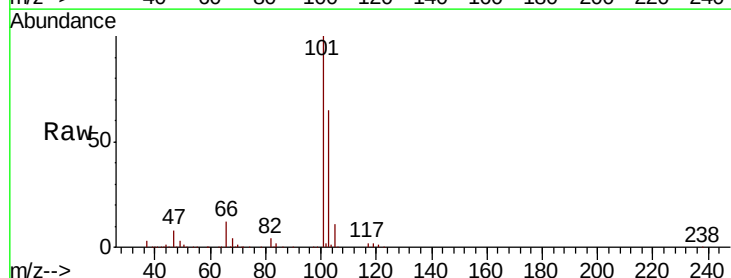
Acq: 10 Aug 2020 09:31

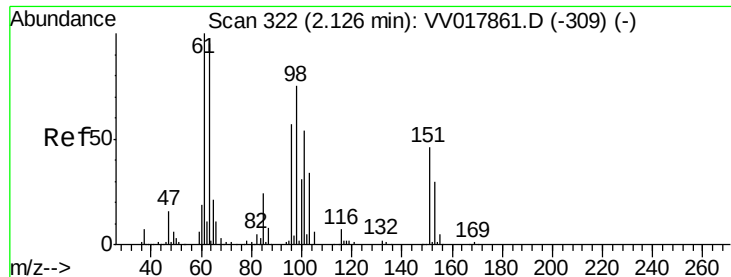
Tgt Ion: 101 Resp: 187250

Ion Ratio Lower Upper

101 100

103 65.3 53.2 79.8





#10

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

Concen: 51.407 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

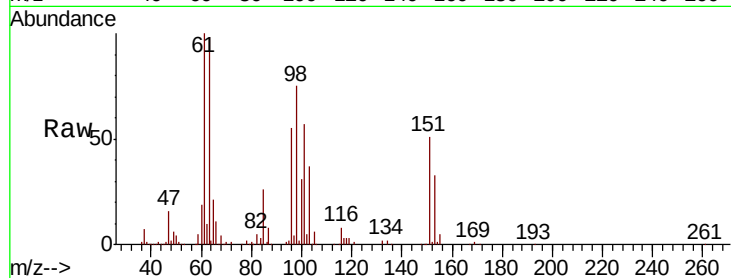
Tot Ion:101 Resp: 85025

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.6

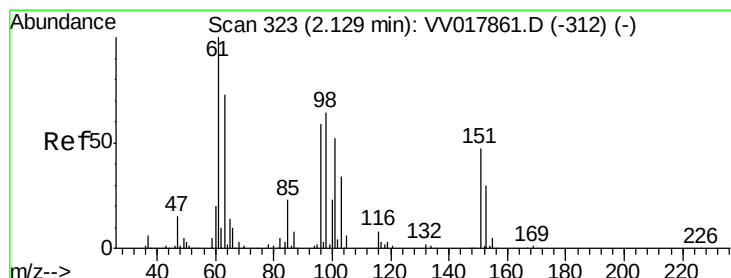
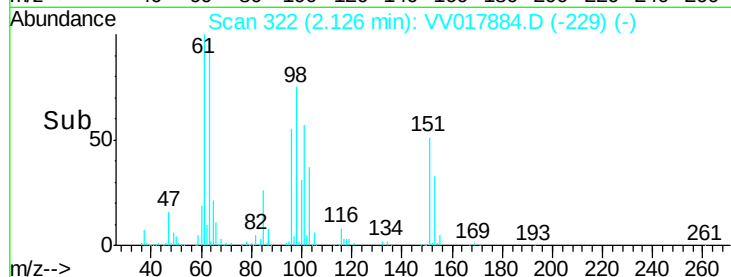
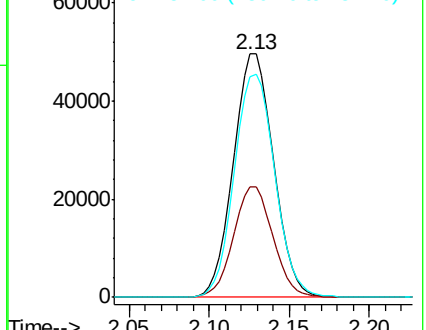
151 92.5 71.0 106.6



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: 49.031 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

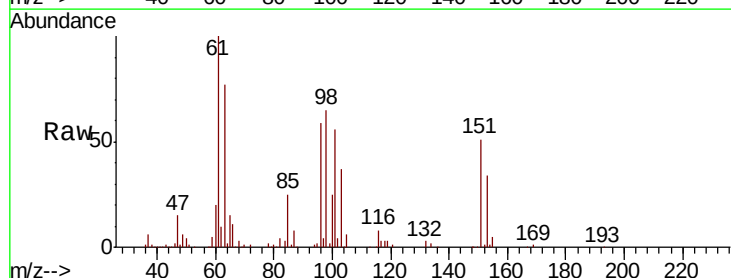
Tgt Ion: 96 Resp: 74781

Ion Ratio Lower Upper

96 100

61 170.4 121.1 224.9

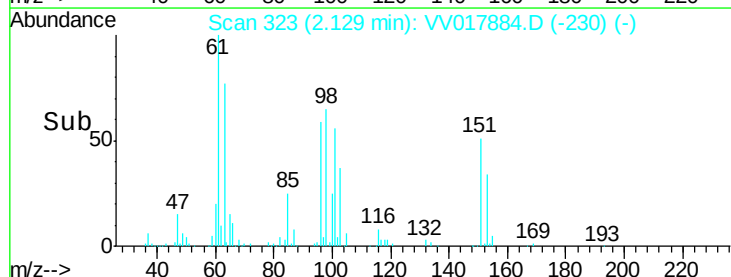
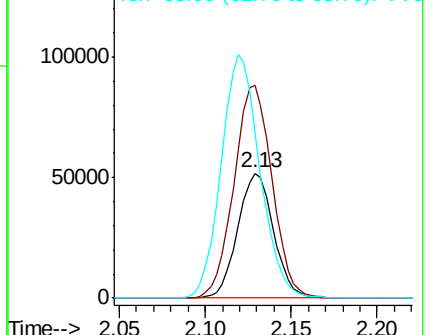
63 131.9 98.1 182.1

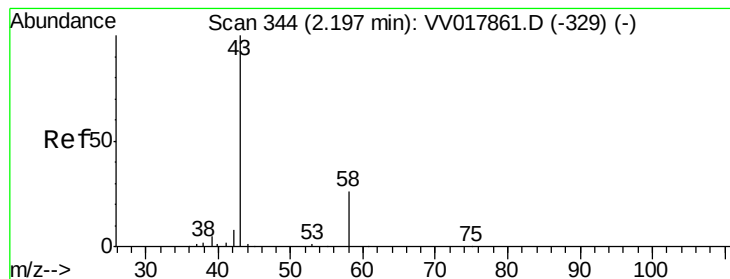


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 125.686 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

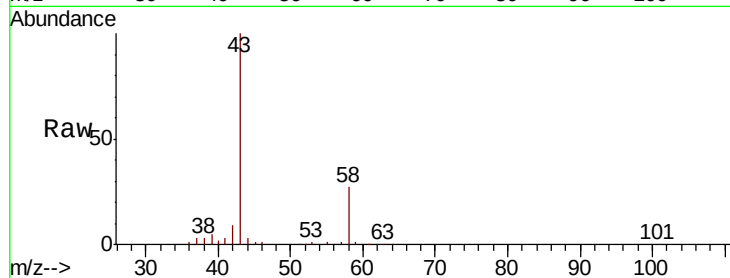
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 136929

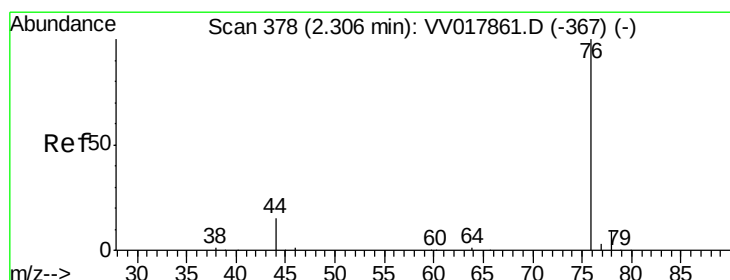
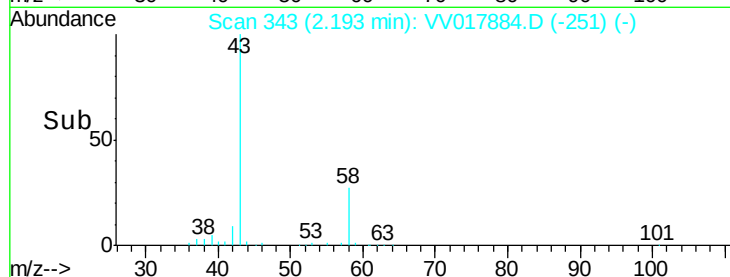
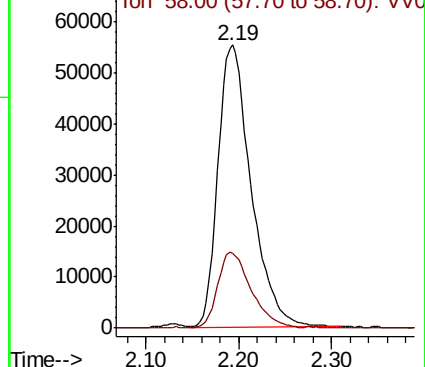
Ion Ratio Lower Upper

43 100

58 27.3 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV017861.D (-329) (-)



#14

Carbon disulfide

Concen: 54.342 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017884.D

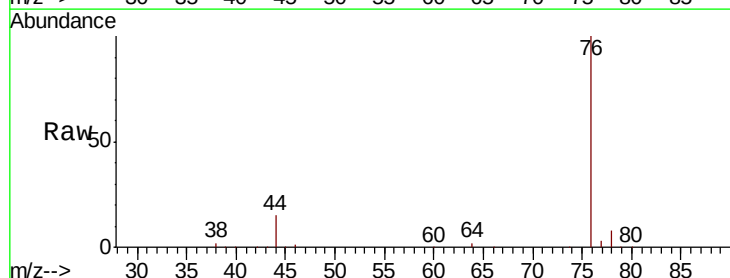
Acq: 10 Aug 2020 09:31

Tgt Ion: 76 Resp: 191023

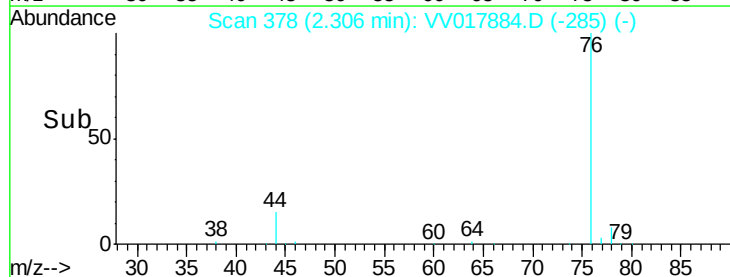
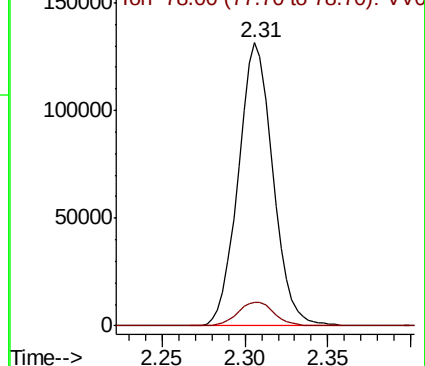
Ion Ratio Lower Upper

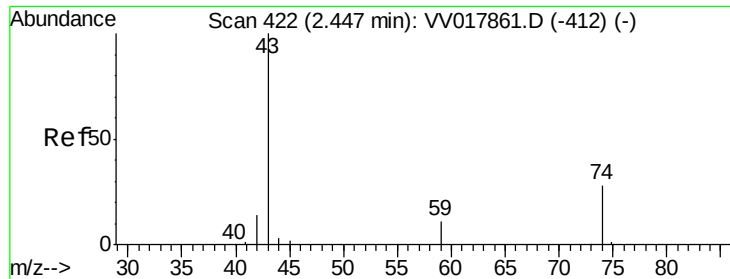
76 100

78 8.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV017861.D (-367) (-)

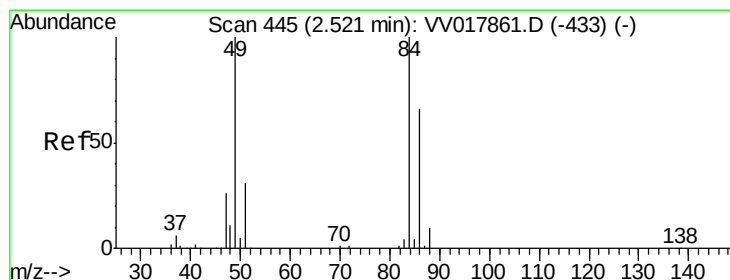
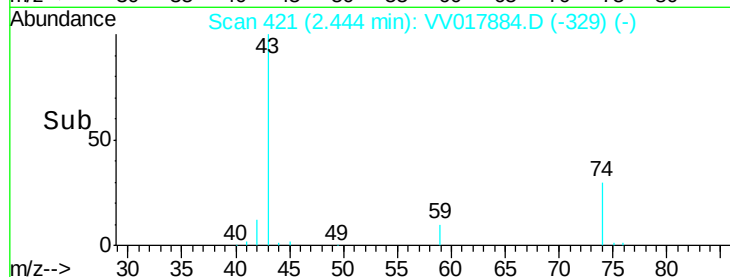
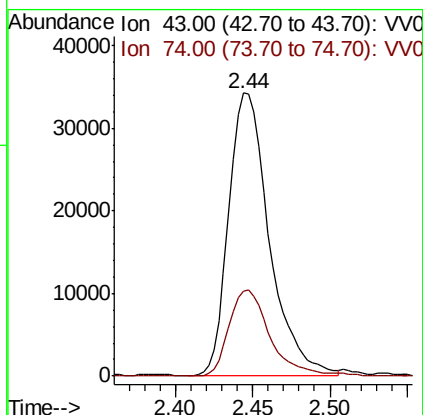
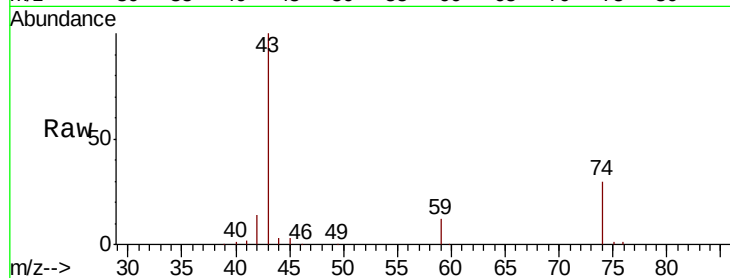




#15
Methvl Acetate
Concen: 52.236 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

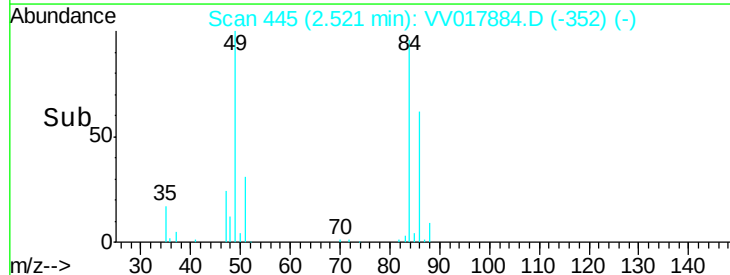
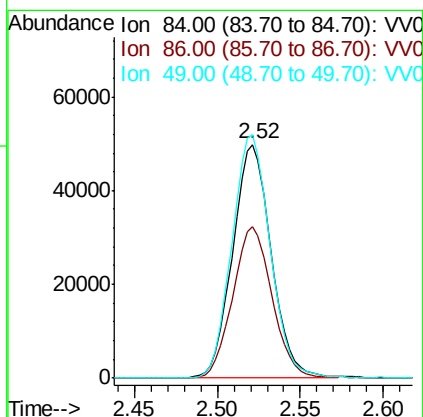
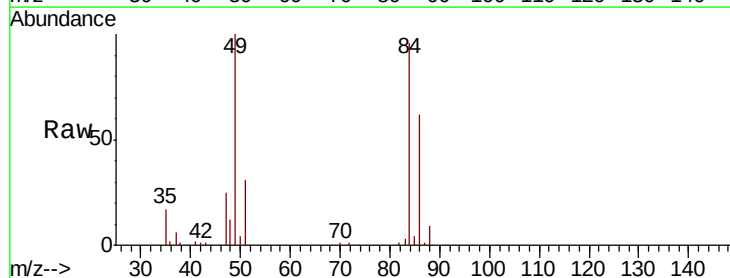
Instrument :
MSVOA_V
ClientSampleId :

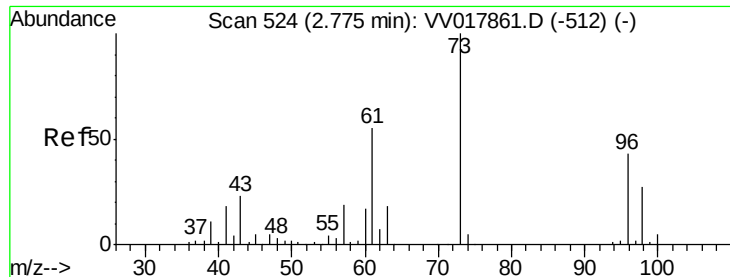
Tot Ion: 43 Resp: 62764
Ion Ratio Lower Upper
43 100
74 30.2 23.0 34.6



#16
Methylene chloride
Concen: 50.237 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Tgt Ion: 84 Resp: 80564
Ion Ratio Lower Upper
84 100
86 65.1 46.2 85.8
49 104.2 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 50.150 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :

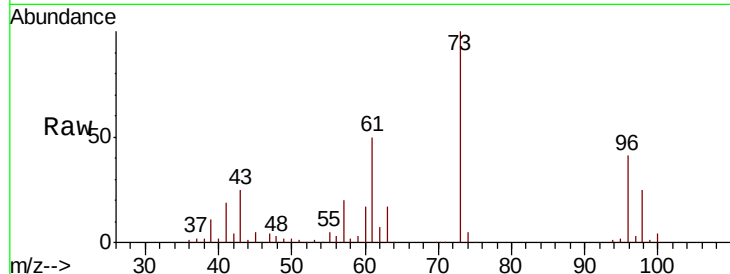
Tot Ion: 96 Resp: 78068

Ion Ratio Lower Upper

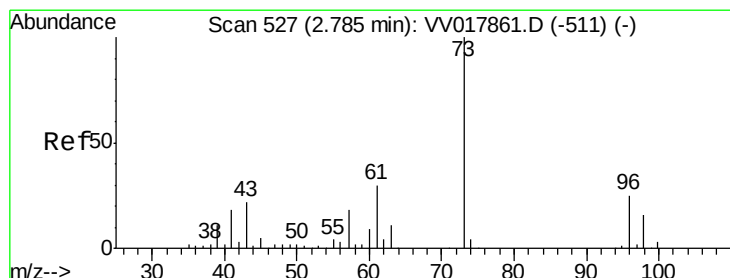
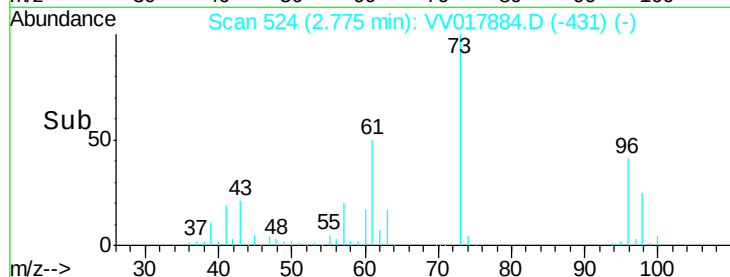
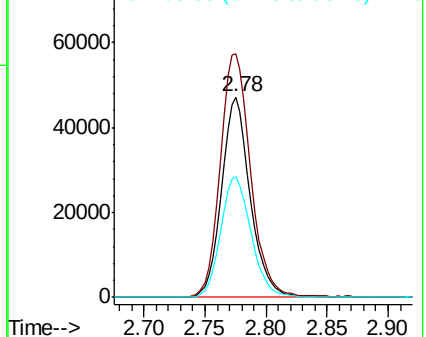
96 100

61 121.6 92.4 171.6

98 60.2 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: 51.590 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

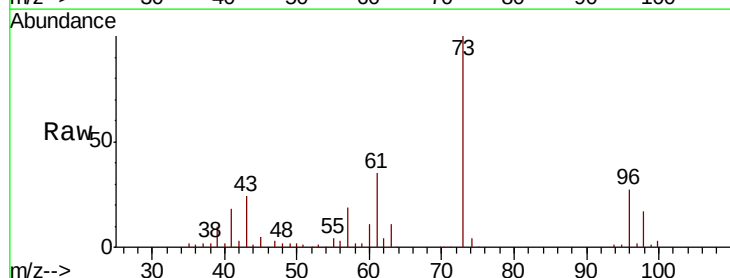
Tgt Ion: 73 Resp: 276485

Ion Ratio Lower Upper

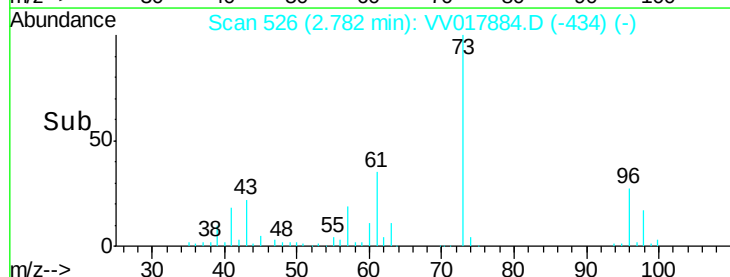
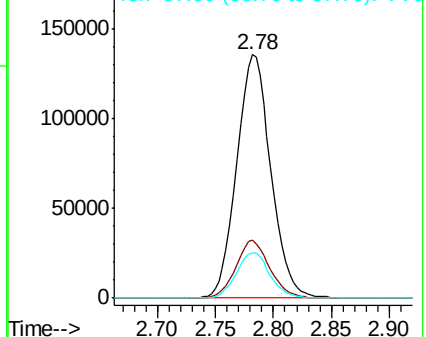
73 100

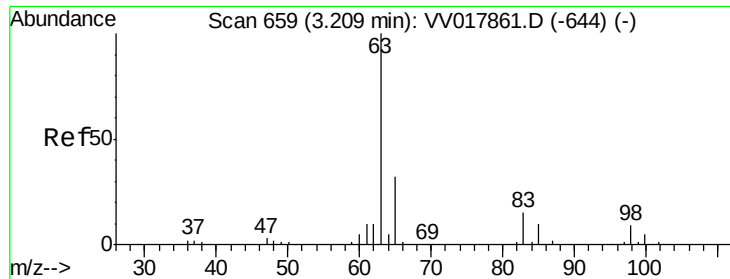
43 23.4 18.1 27.1

57 18.5 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

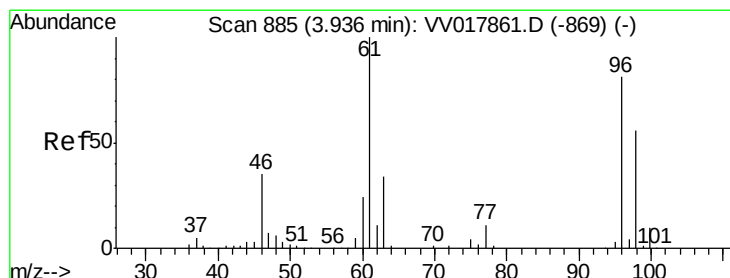
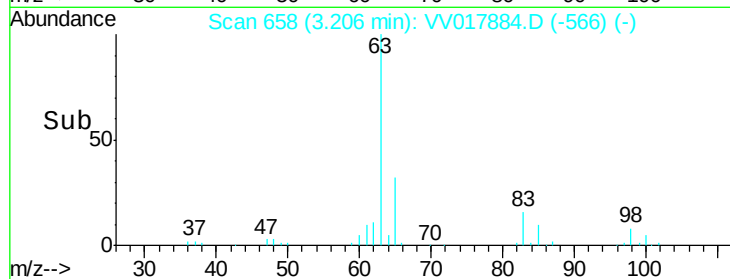
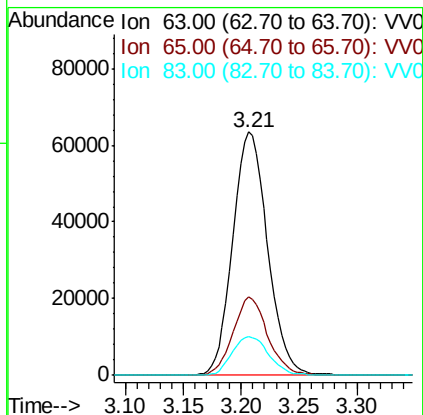
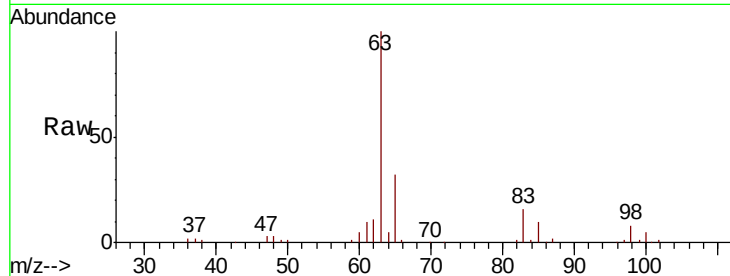




#19
 1,1-Dichloroethane
 Concen: 51.428 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

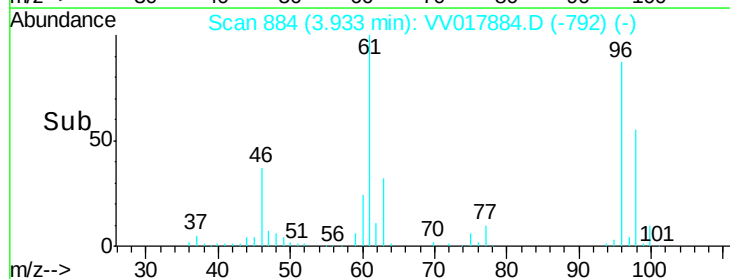
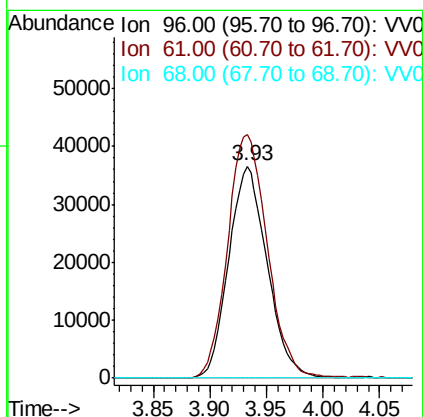
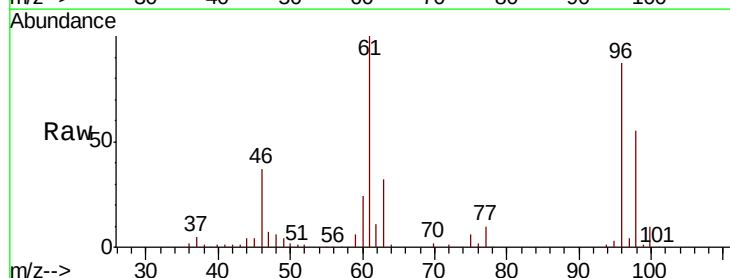
Instrument :
 MSVOA_V
 ClientSampleId :

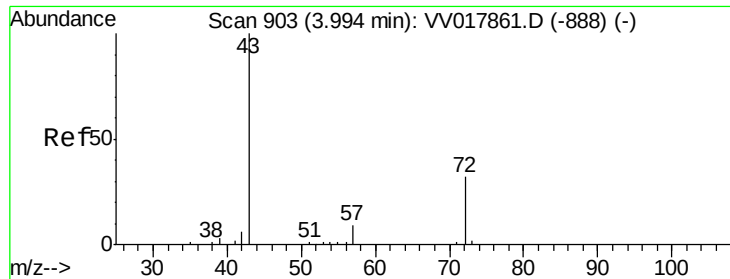
Tot Ion: 63 Resp: 132123
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.4 43.6
 83 15.8 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 51.618 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion: 96 Resp: 86784
 Ion Ratio Lower Upper
 96 100
 61 115.0 84.4 156.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 122.887 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

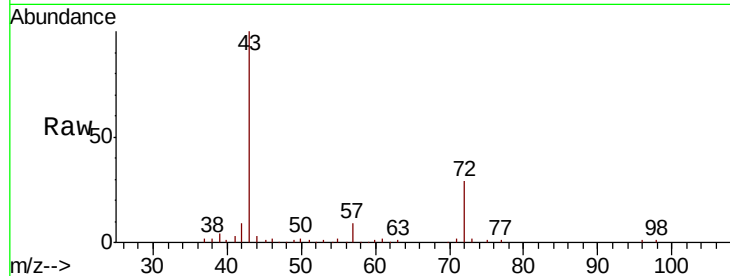
ClientSampleId :

Tot Ion: 43 Resp: 116224

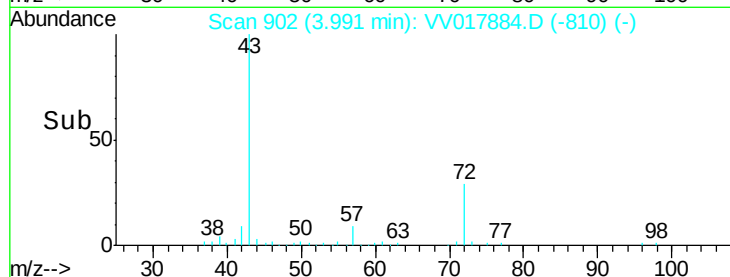
Ion Ratio Lower Upper

43 100

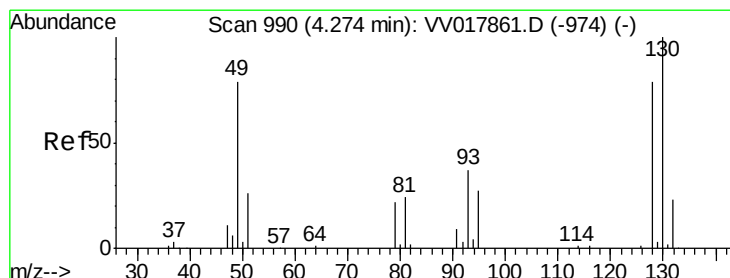
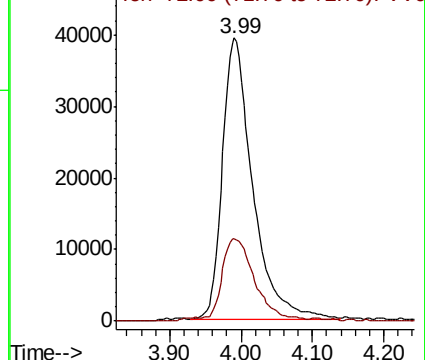
72 31.7 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017884.D (-810) (-)



Ion 72.00 (71.70 to 72.70): VV017884.D (-810) (-)



#23

Bromochloromethane

Concen: 52.191 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Tgt Ion:128 Resp: 52433

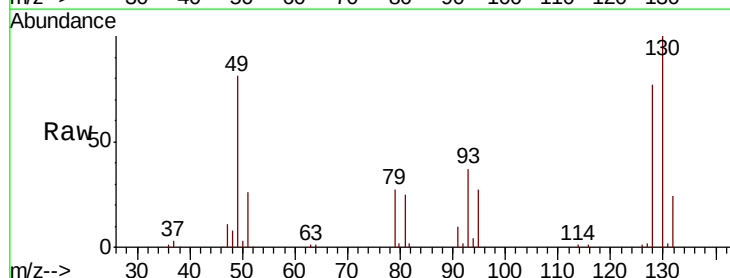
Ion Ratio Lower Upper

128 100

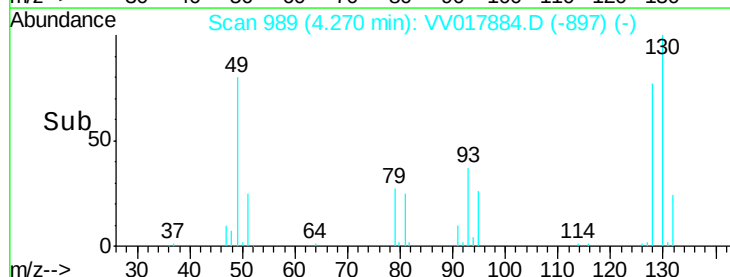
49 105.8 73.7 136.9

130 130.0 89.3 165.9

51 34.4 27.2 40.8



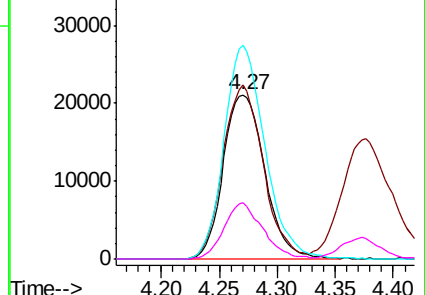
Abundance Ion 128.00 (127.70 to 128.70): VV017884.D (-897) (-)

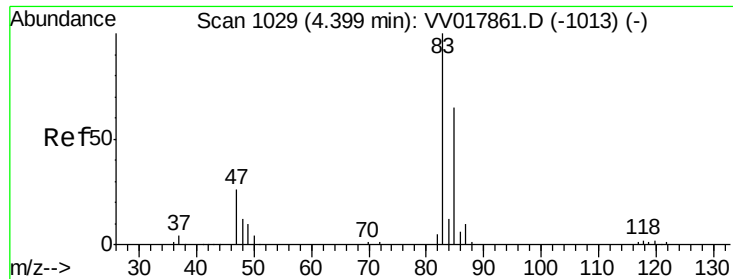


Ion 49.00 (48.70 to 49.70): VV017884.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017884.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017884.D (-897) (-)





#25

Chloroform

Concen: 51.062 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

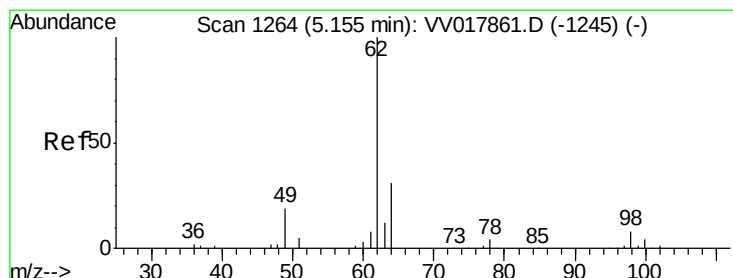
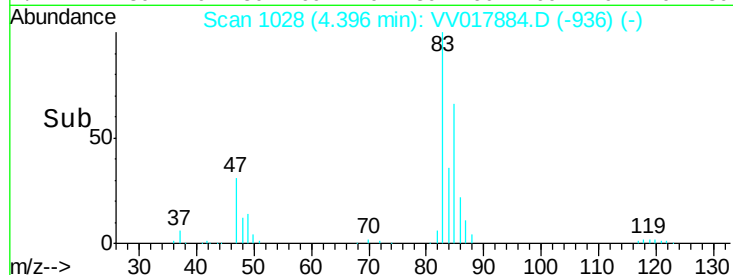
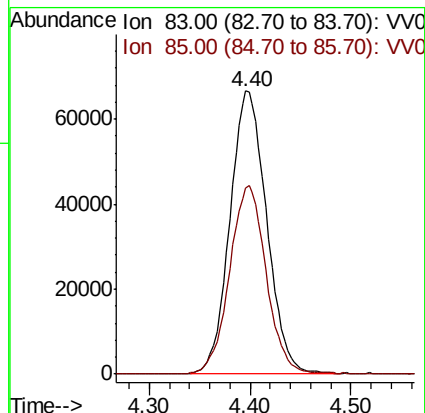
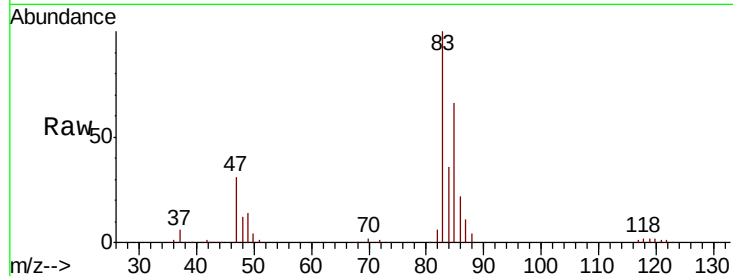
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 168777

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.5



#27

1,2-Dichloroethane

Concen: 50.655 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV017884.D

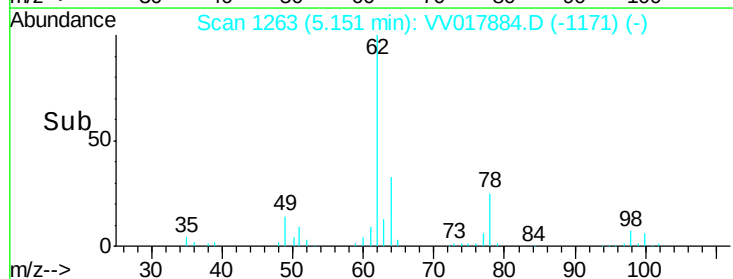
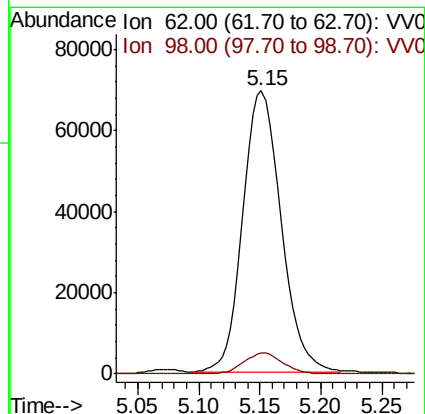
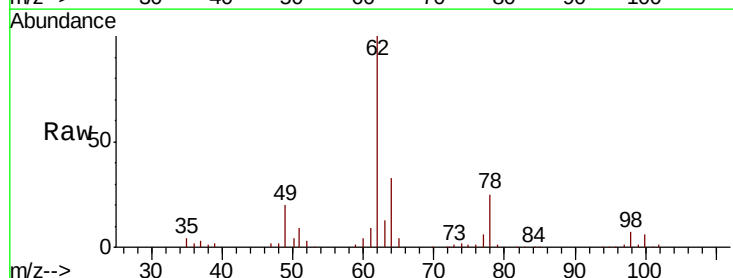
Acq: 10 Aug 2020 09:31

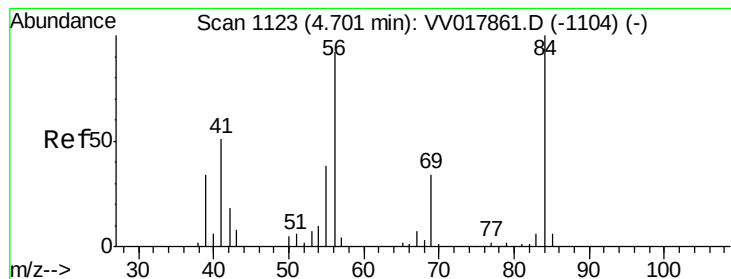
Tgt Ion: 62 Resp: 151154

Ion Ratio Lower Upper

62 100

98 7.4 6.2 9.4





#29

Cyclohexane

Concen: 51.377 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampled :

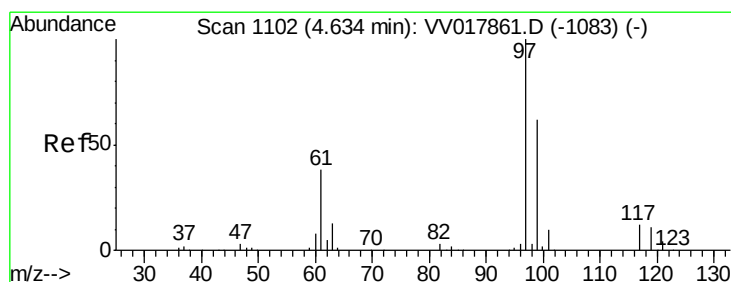
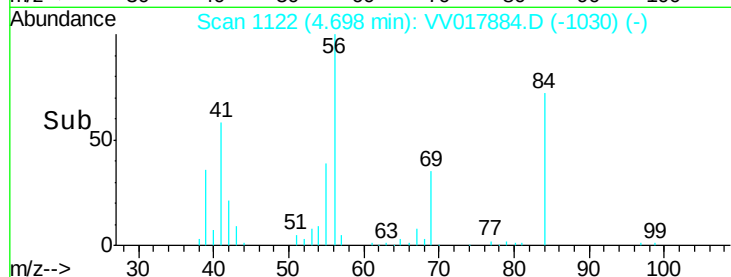
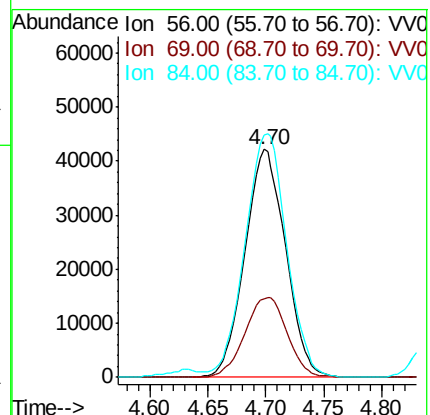
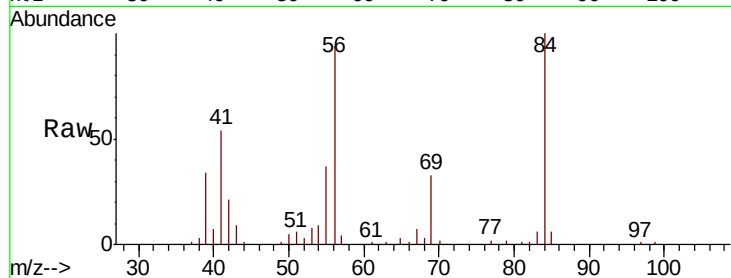
Tot Ion: 56 Resp: 102829

Ion Ratio Lower Upper

56 100

69 36.4 29.6 44.4

84 109.8 88.5 132.7



#30

1,1,1-Trichloroethane

Concen: 49.876 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

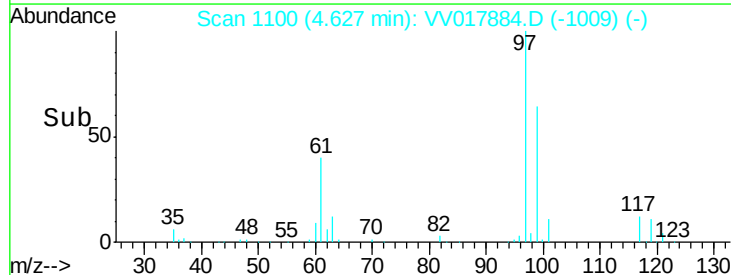
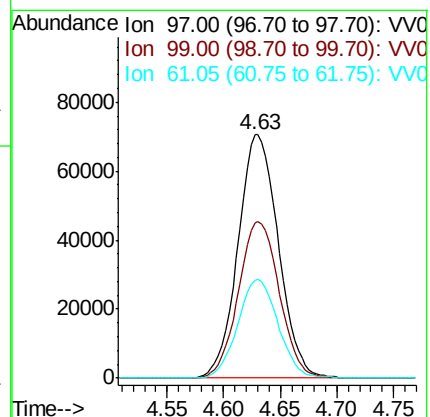
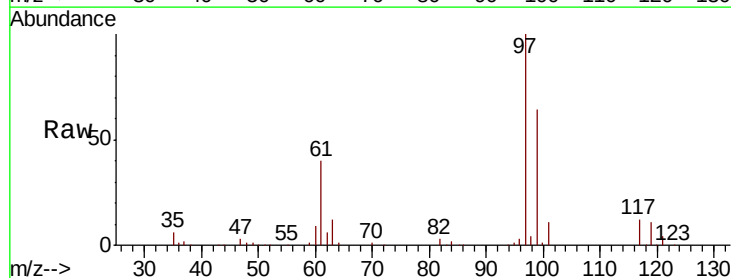
Tgt Ion: 97 Resp: 175383

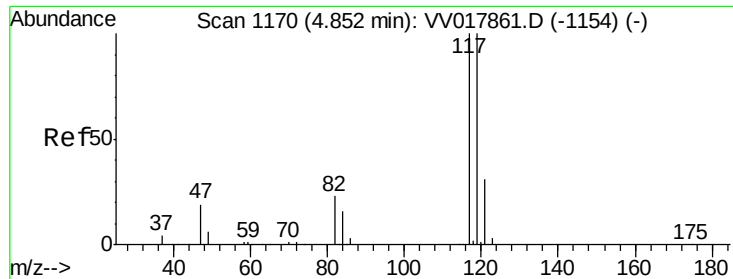
Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

61 40.7 31.5 47.3





#31

Carbon tetrachloride

Concen: 51.894 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

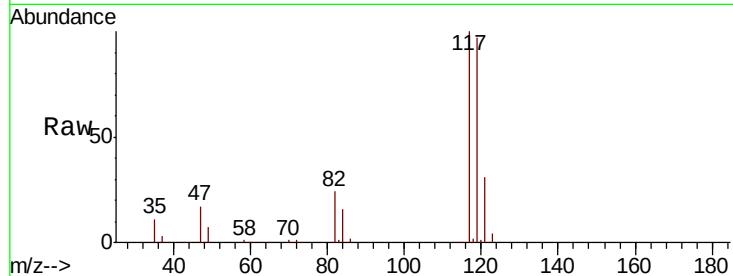
ClientSampleId :

Tot Ion:117 Resp: 162887

Ion Ratio Lower Upper

117 100

119 97.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

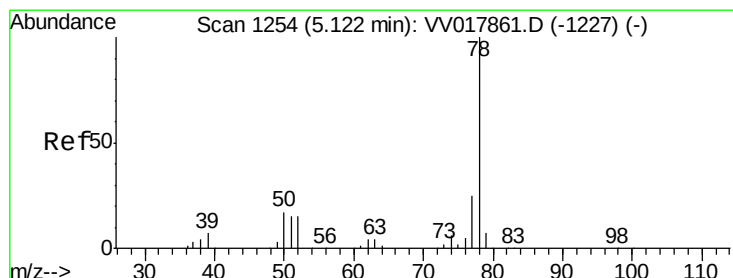
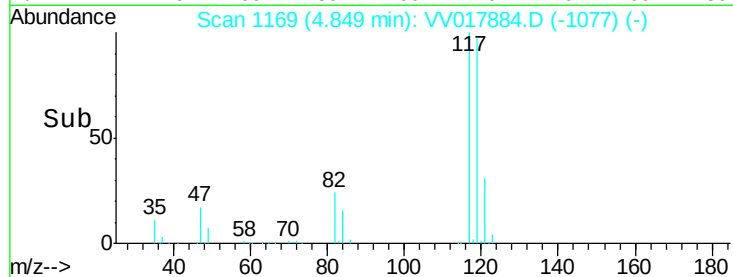
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 50.391 ug/L

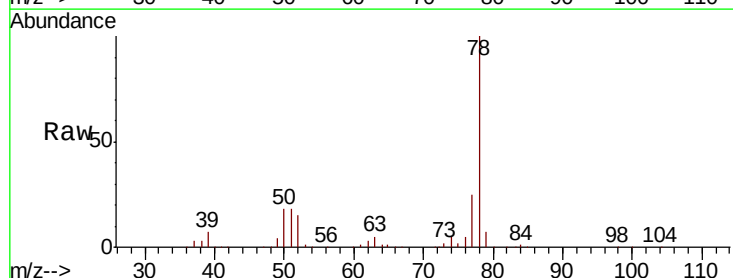
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Tgt Ion: 78 Resp: 299381



Abundance Ion 78.00 (77.70 to 78.70): VV0

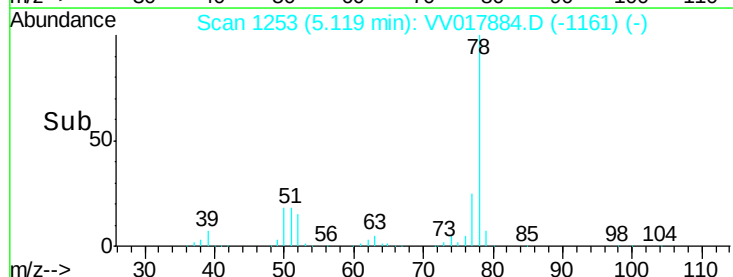
150000

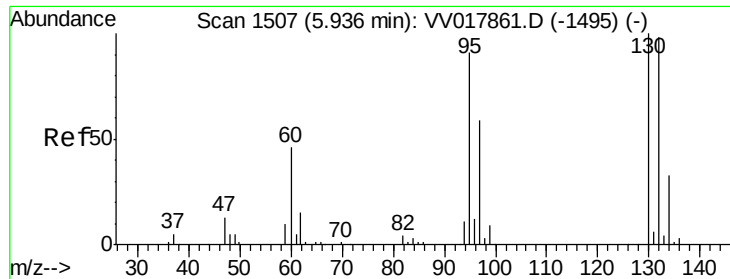
100000

50000

0

Time-->

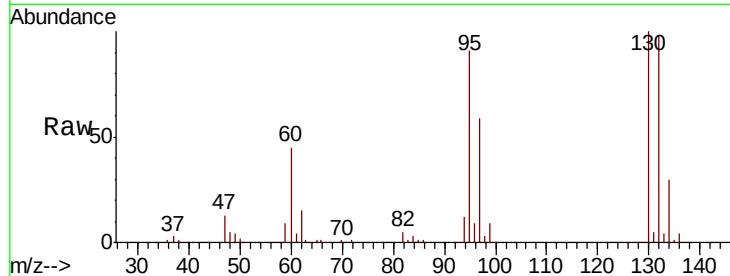




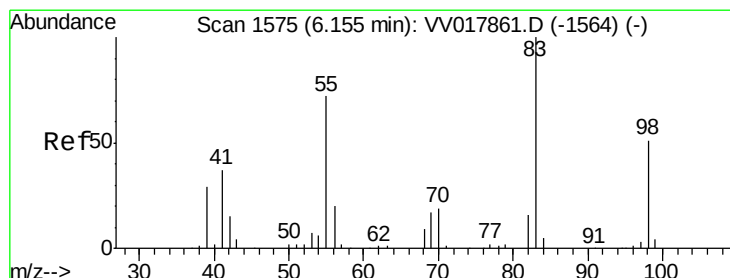
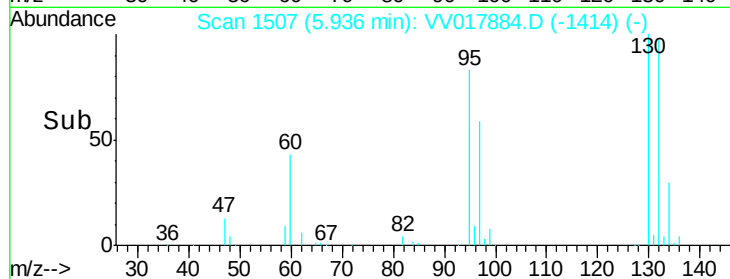
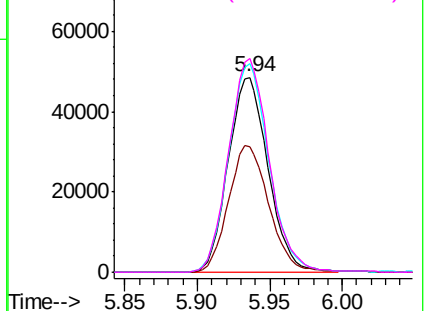
#34
 Trichloroethene
 Concen: 51.490 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 92416
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 107.1 73.6 136.8
 130 109.6 77.6 144.0

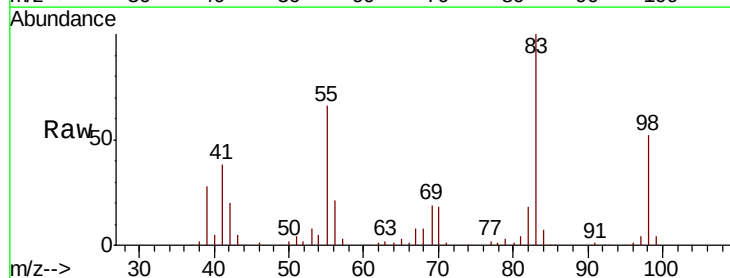


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

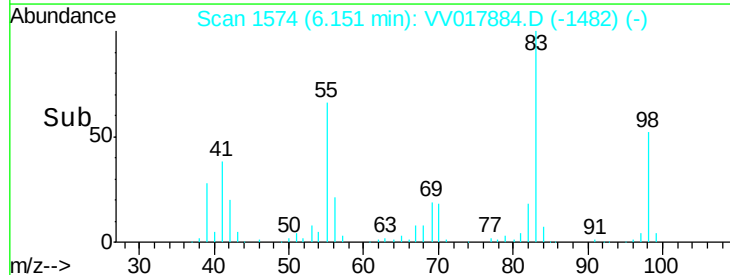
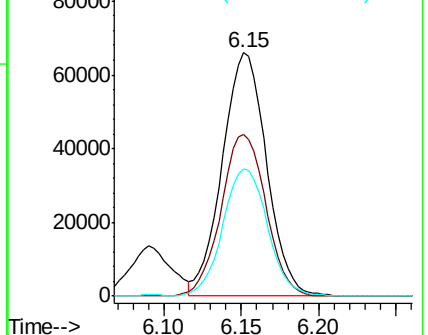


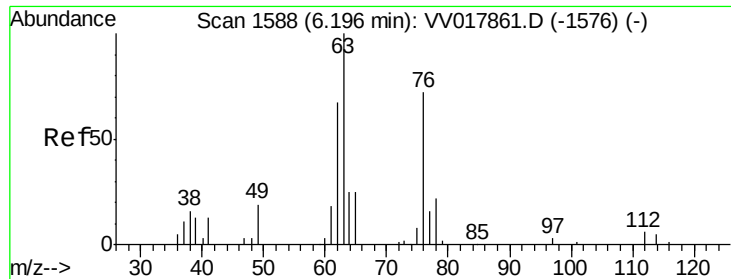
#35
 Methylcyclohexane
 Concen: 51.448 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion: 83 Resp: 131503
 Ion Ratio Lower Upper
 83 100
 55 66.9 54.6 82.0
 98 52.8 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

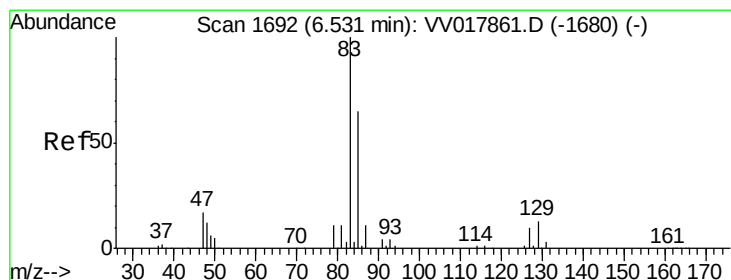
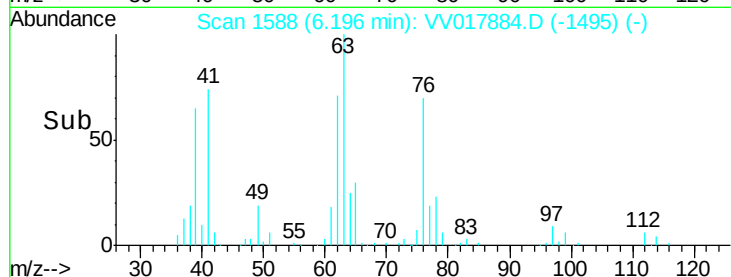
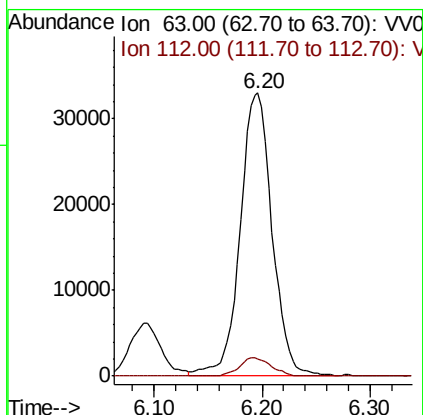
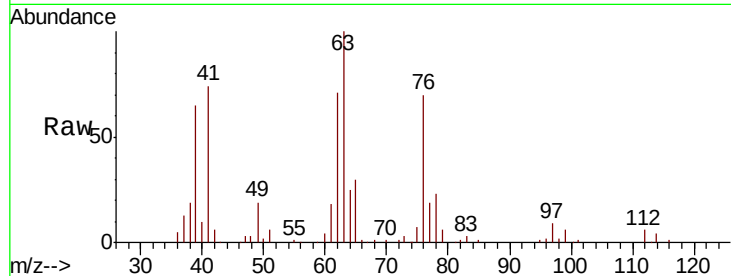




#37
 1,2-Dichloropropane
 Concen: 52.493 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

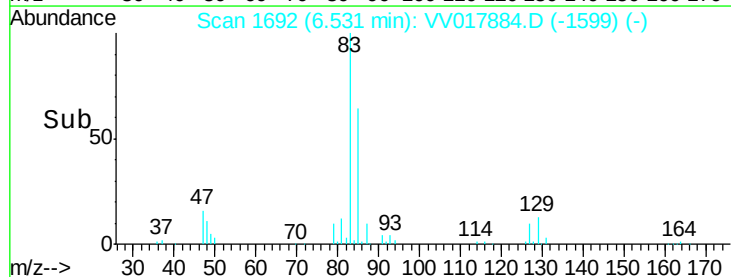
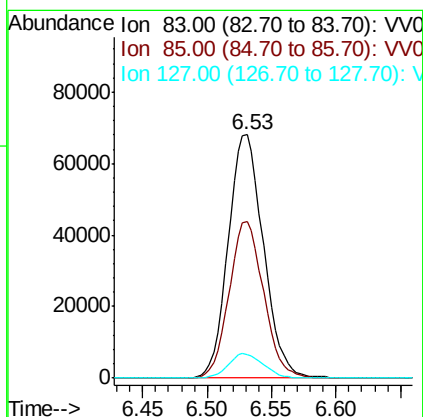
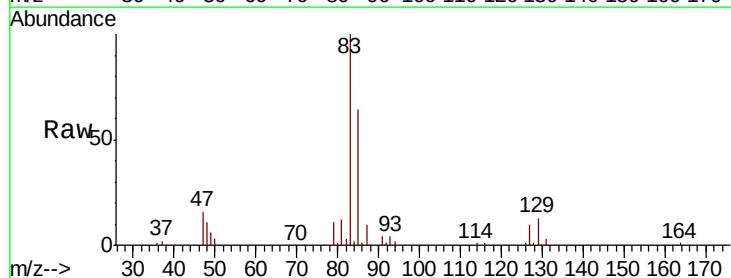
Instrument :
 MSVOA_V
 ClientSampleId :

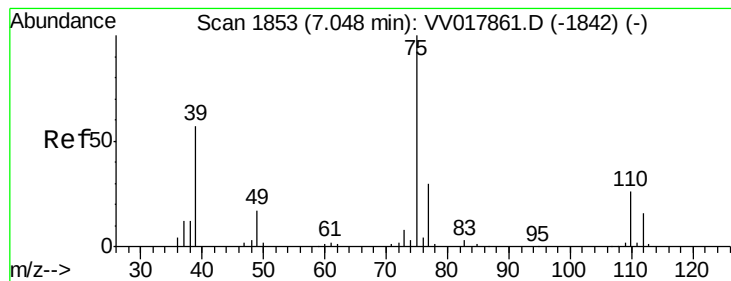
Tot Ion: 63 Resp: 68205
 Ion Ratio Lower Upper
 63 100
 112 6.4 5.8 8.6



#38
 Bromodichloromethane
 Concen: 54.784 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion: 83 Resp: 129258
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.4 84.2
 127 9.9 7.8 11.8



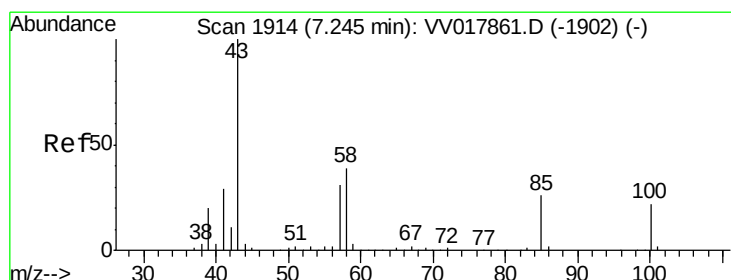
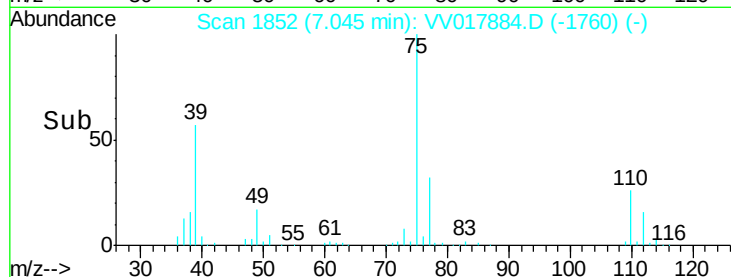
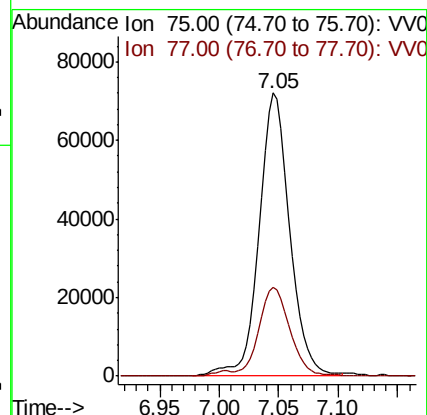
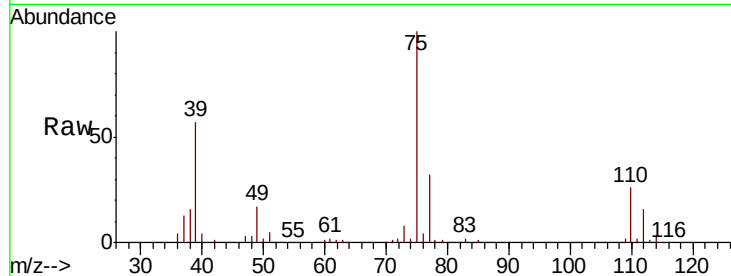


#39

cis-1,3-Dichloropropene
Concen: 57.566 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampled :

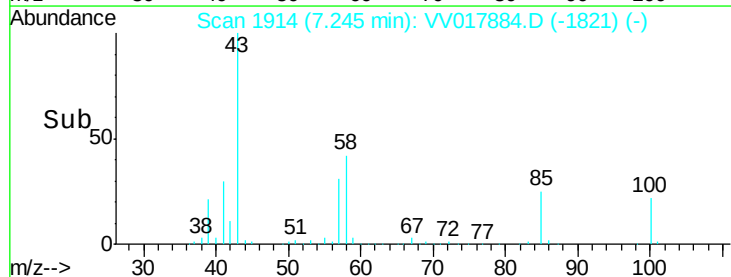
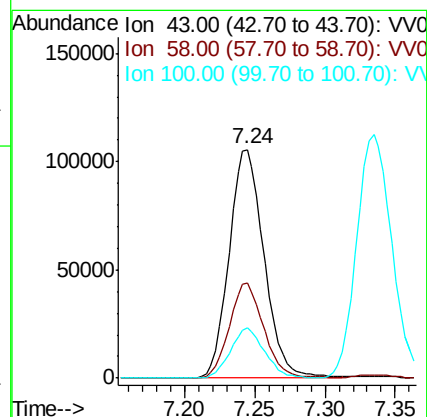
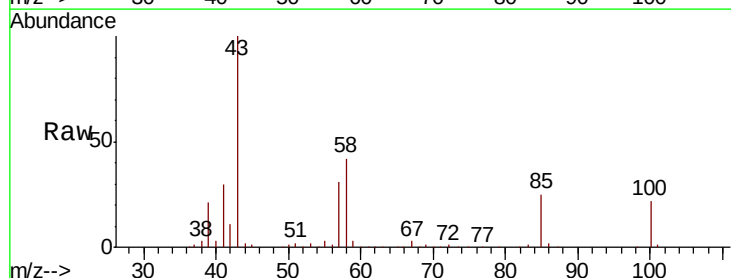
Tot Ion: 75 Resp: 128631
Ion Ratio Lower Upper
75 100
77 31.6 23.7 44.1

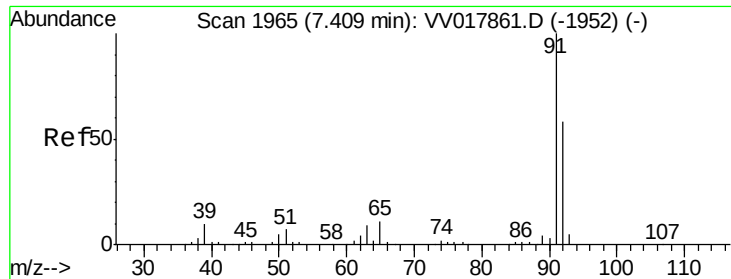


#40

4-Methyl-2-pentanone
Concen: 107.937 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Tgt Ion: 43 Resp: 182959
Ion Ratio Lower Upper
43 100
58 40.7 32.3 48.5
100 21.4 17.4 26.0





#42

Toluene

Concen: 51.713 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

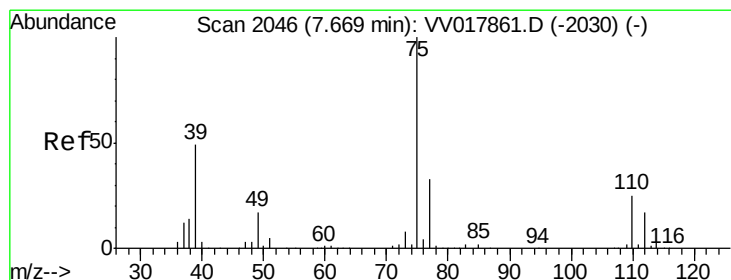
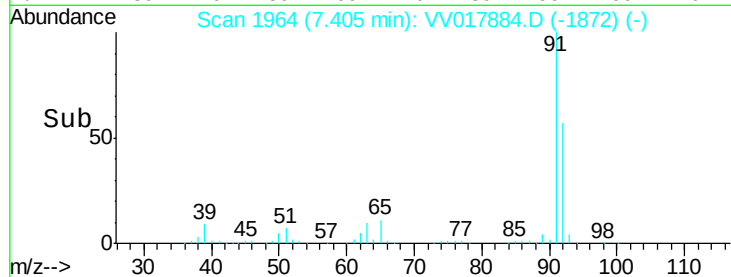
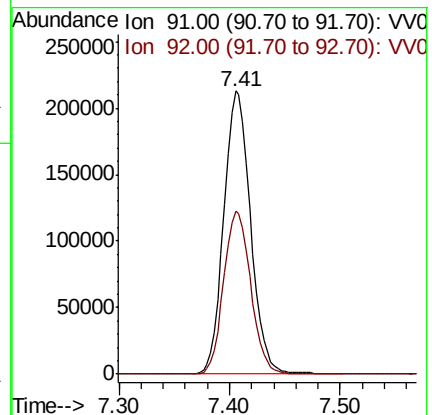
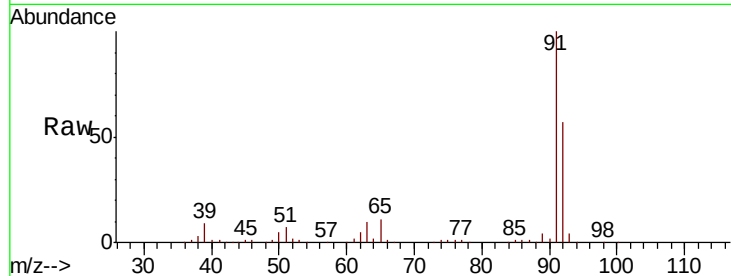
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 358091

Ion Ratio Lower Upper

91 100

92 57.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 58.650 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017884.D

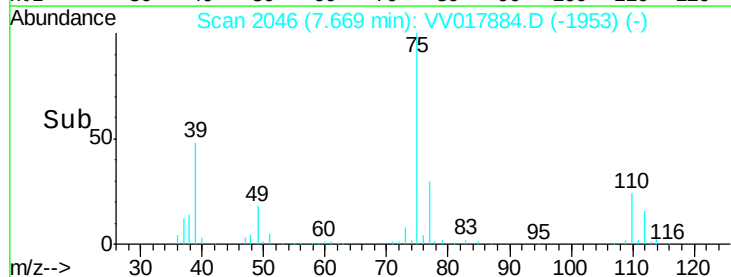
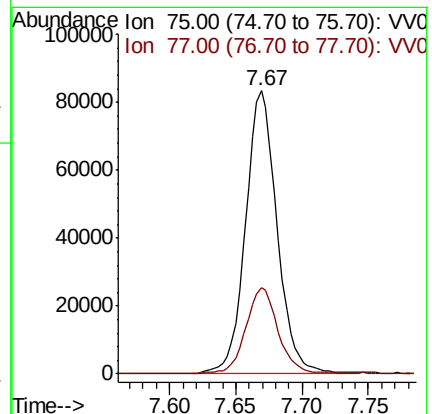
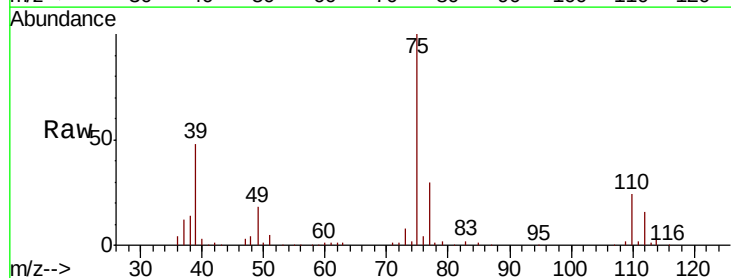
Acq: 10 Aug 2020 09:31

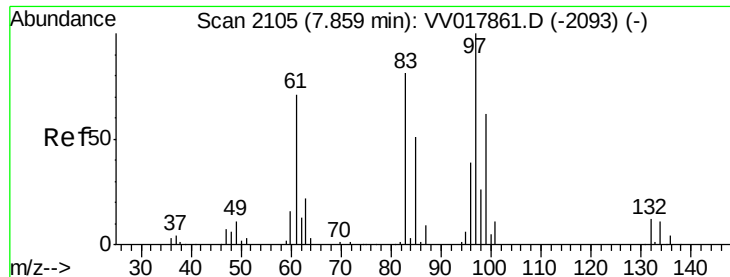
Tgt Ion: 75 Resp: 137735

Ion Ratio Lower Upper

75 100

77 30.3 22.3 41.5

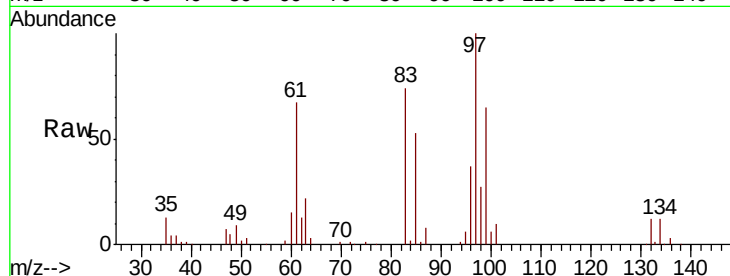




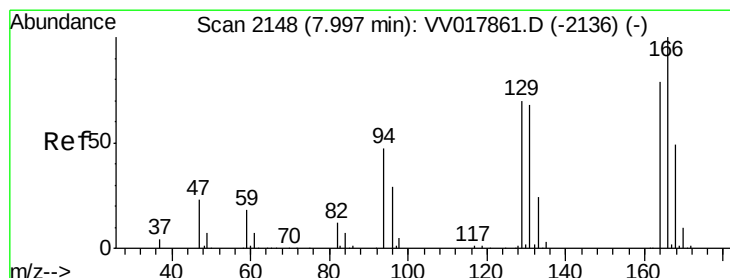
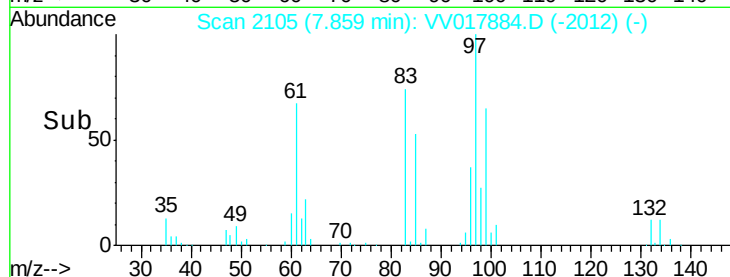
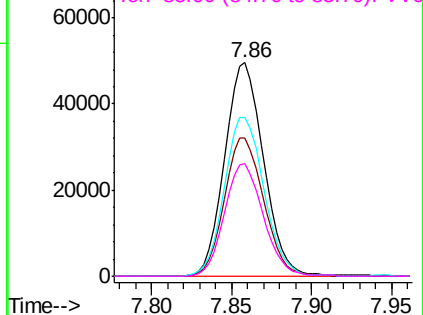
#45
 1,1,2-Trichloroethane
 Concen: 50.274 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	82195
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.7	82.9
83	74.2	55.7	103.5
85	52.5	35.4	65.8

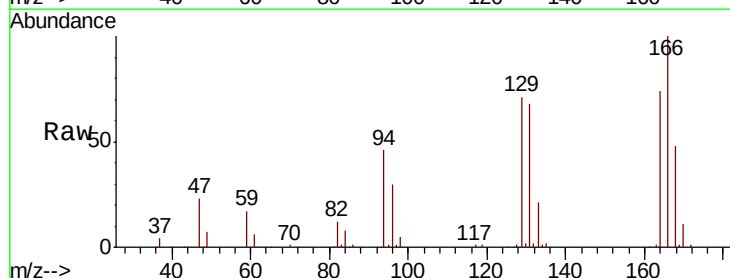


Abundance Ion 97.00 (96.70 to 97.70): VV017884.D (-2012) (-)

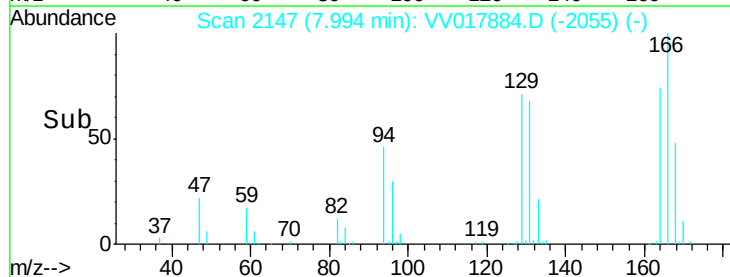
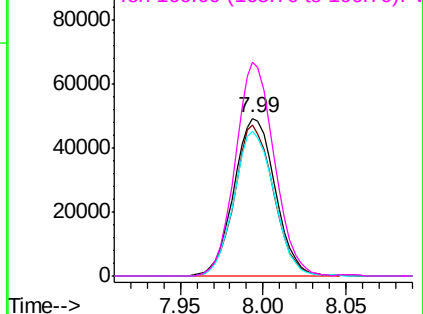


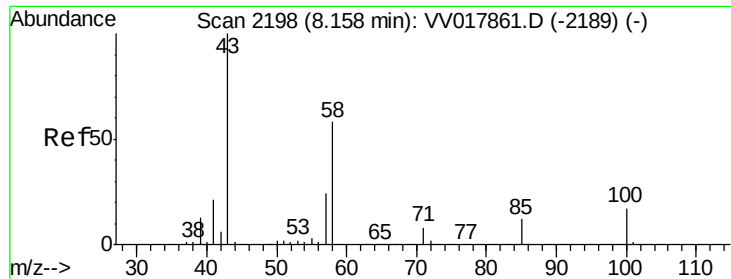
#46
 Tetrachloroethene
 Concen: 50.460 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion:	164	Resp:	85363
Ion	Ratio	Lower	Upper
164	100		
129	95.7	61.6	114.4
131	91.6	59.6	110.8
166	135.6	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): VV017884.D (-2055) (-)

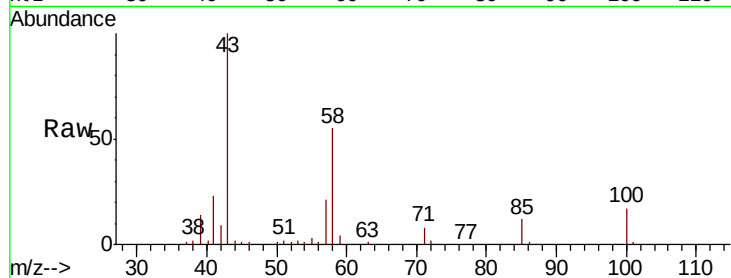




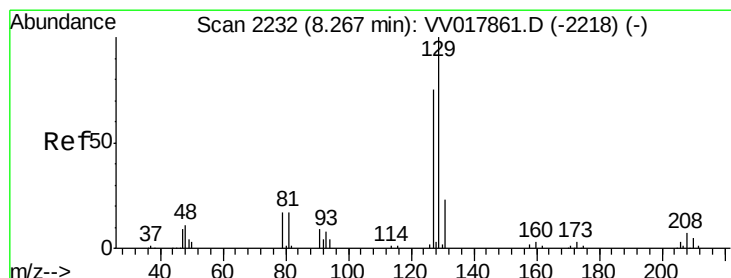
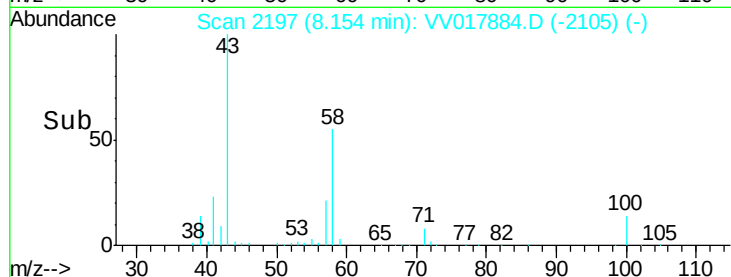
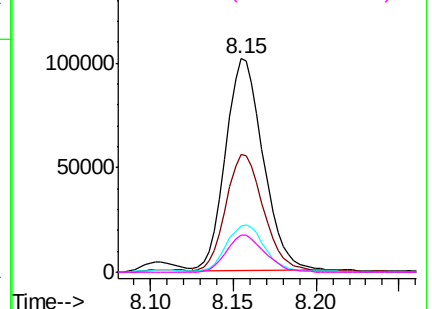
#48
2-Hexanone
Concen: 113.564 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 161162
Ion Ratio Lower Upper
43 100
58 54.9 43.8 65.8
57 23.1 18.0 27.0
100 18.0 13.8 20.8

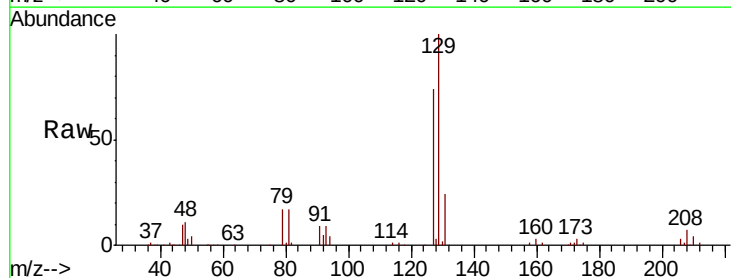


Abundance Ion 43.00 (42.70 to 43.70): VV017884.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017884.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017884.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017884.D (-2105) (-)

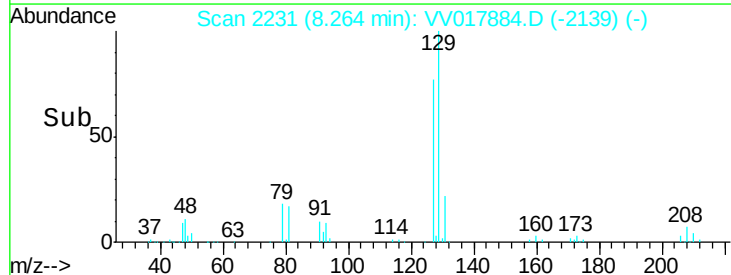
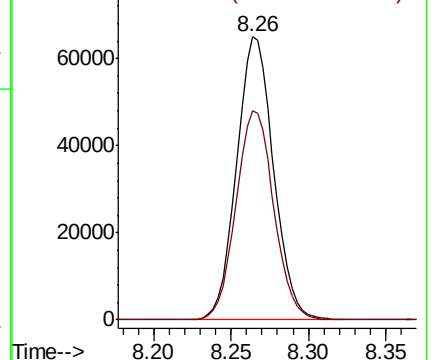


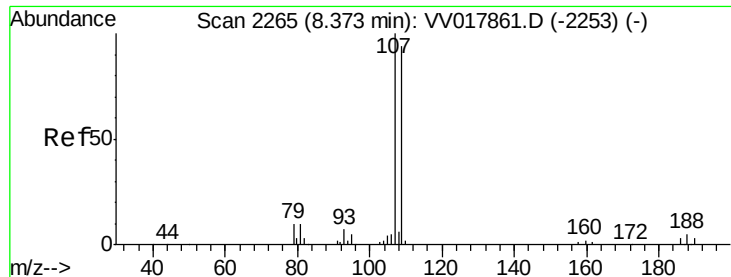
#49
Dibromochloromethane
Concen: 59.146 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Tgt Ion: 129 Resp: 107626
Ion Ratio Lower Upper
129 100
127 73.9 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017884.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017884.D (-2139) (-)

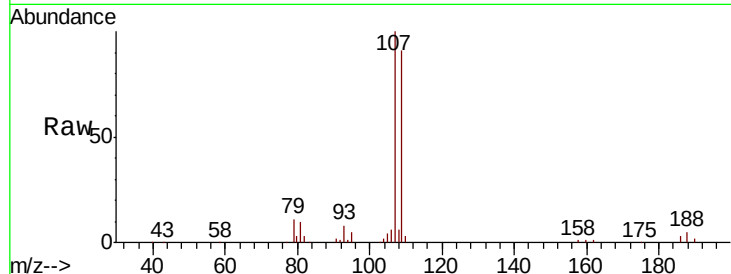




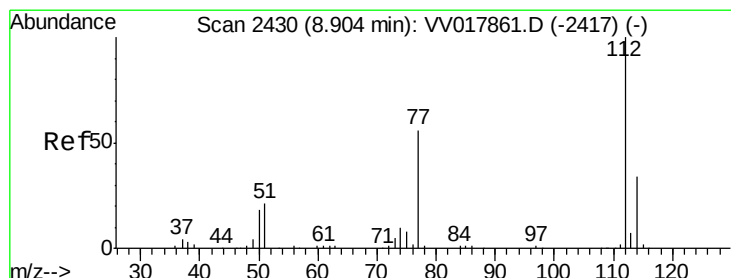
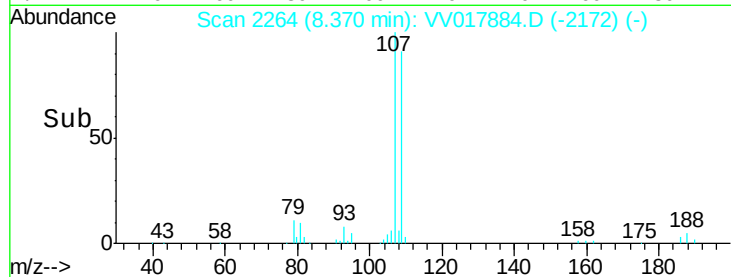
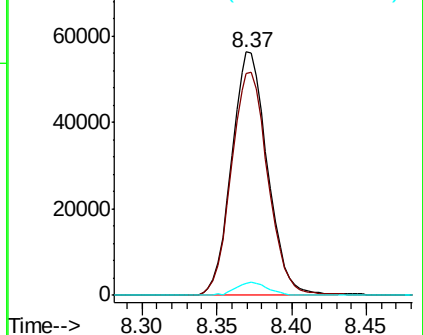
#50
1,2-Dibromoethane
Concen: 52.105 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	107	Resp	93896
Ion Ratio	Lower	Upper	
107	100		
109	91.2	67.3	125.1
188	5.0	4.3	6.5

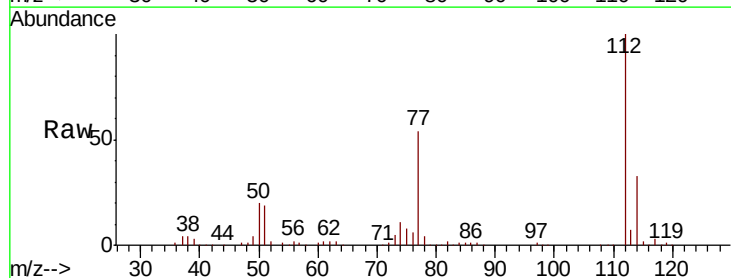


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

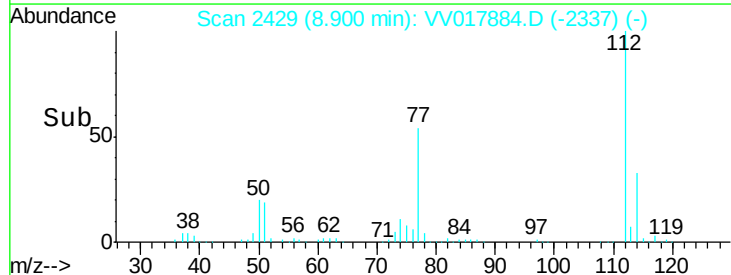
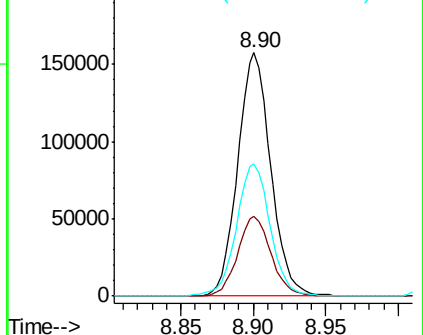


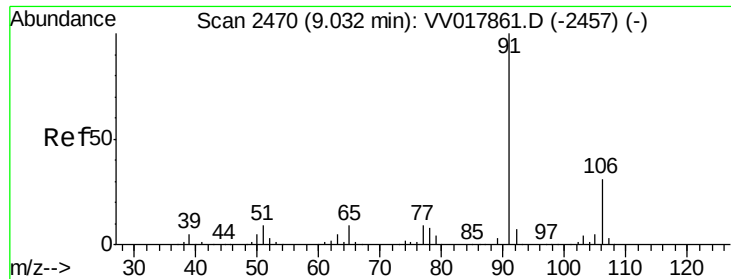
#51
Chlorobenzene
Concen: 51.684 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Tgt Ion	112	Resp	248981
Ion Ratio	Lower	Upper	
112	100		
114	32.9	22.4	41.6
77	54.4	42.7	64.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 51.046 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

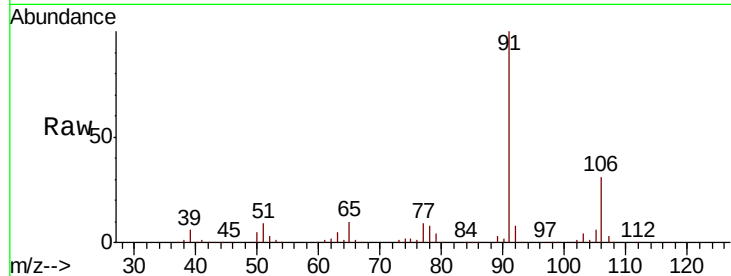
ClientSampled :

Tot Ion: 91 Resp: 406145

Ion Ratio Lower Upper

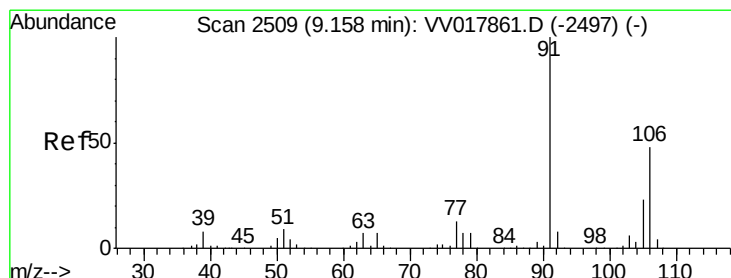
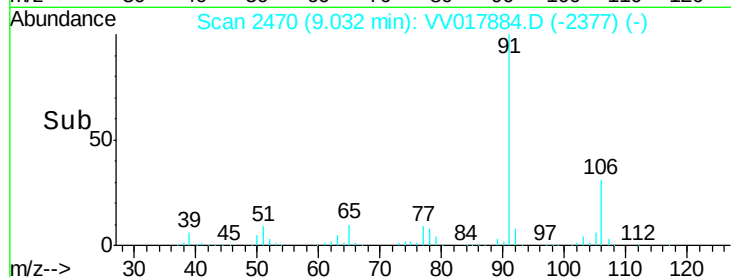
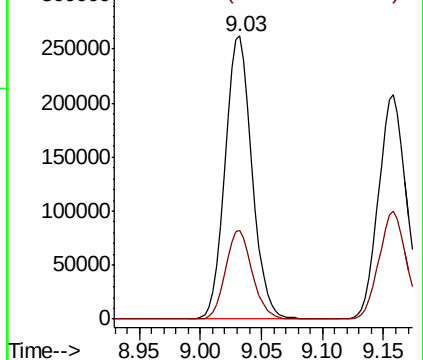
91 100

106 31.4 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017884.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017884.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.234 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017884.D

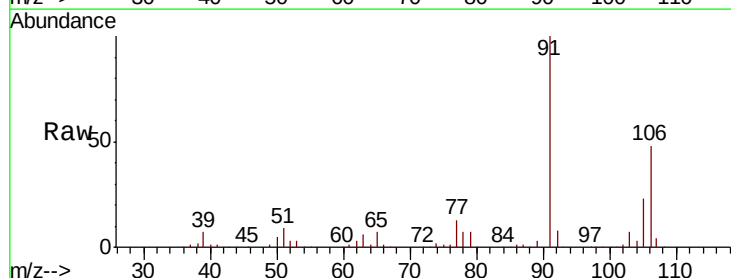
Acq: 10 Aug 2020 09:31

Tgt Ion: 106 Resp: 155361

Ion Ratio Lower Upper

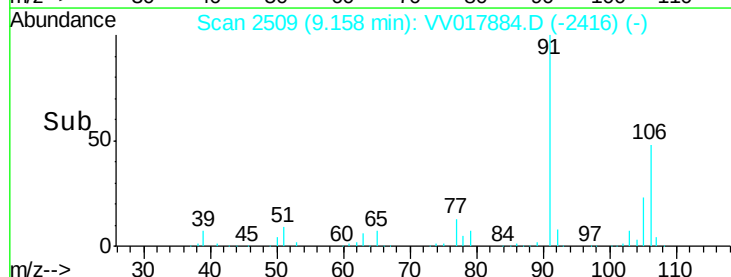
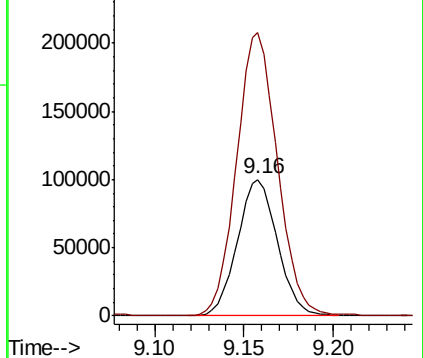
106 100

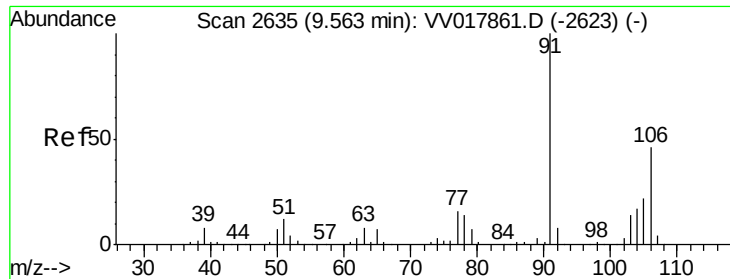
91 207.8 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017884.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017884.D (-2416) (-)

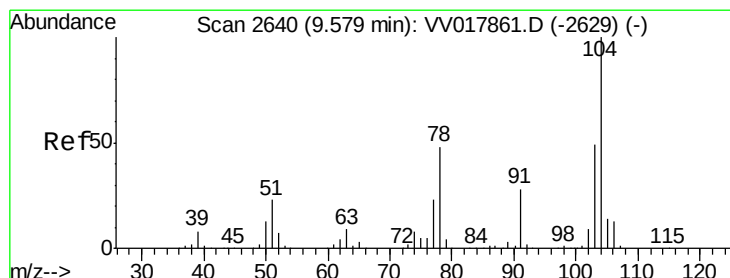
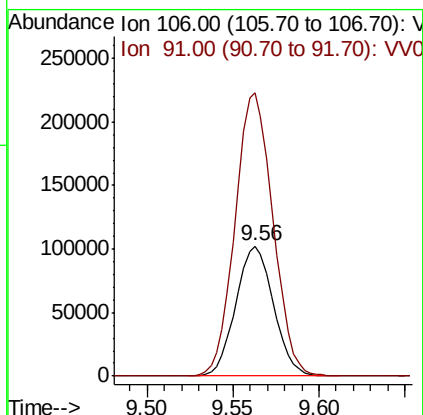
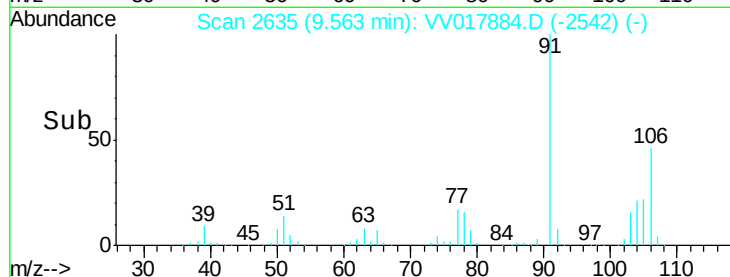
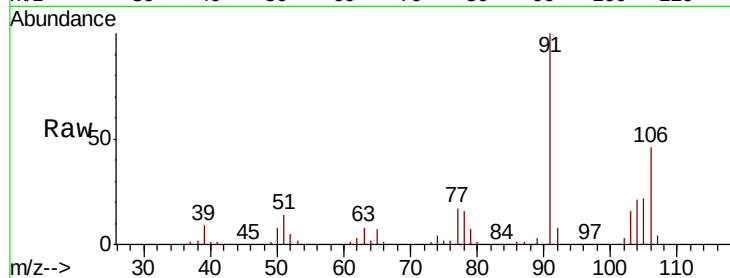




#54
o-xylene
Concen: 51.251 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

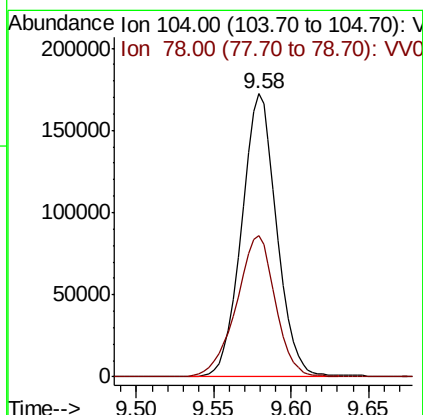
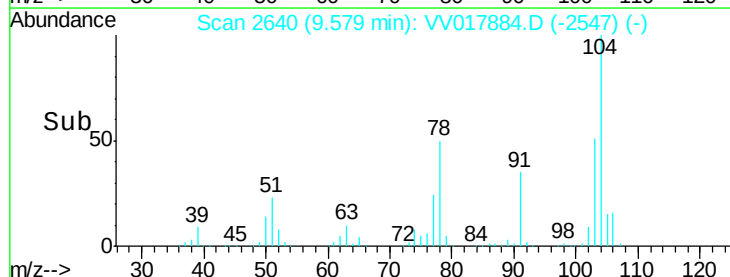
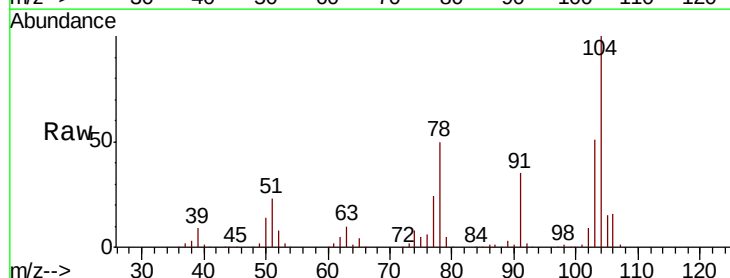
Instrument :
MSVOA_V
ClientSampled :

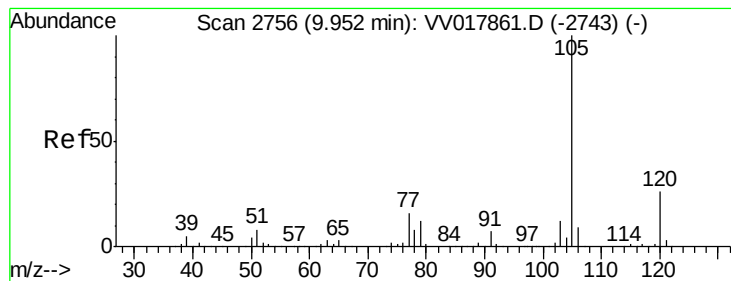
Tot Ion:106 Resp: 155665
Ion Ratio Lower Upper
106 100
91 217.9 155.2 288.2



#55
Styrene
Concen: 52.178 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017884.D
Acq: 10 Aug 2020 09:31

Tgt Ion:104 Resp: 271765
Ion Ratio Lower Upper
104 100
78 49.7 35.4 65.7





#56

Isopropylbenzene

Concen: 51.121 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :

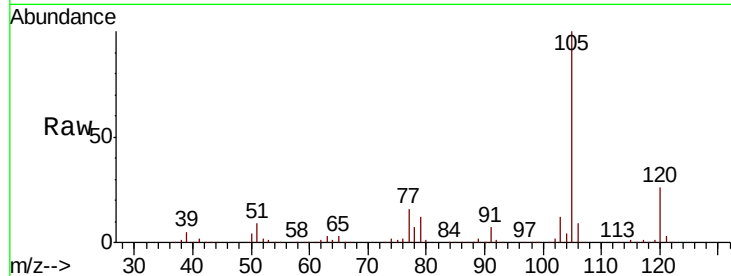
Tot Ion:105 Resp: 429155

Ion Ratio Lower Upper

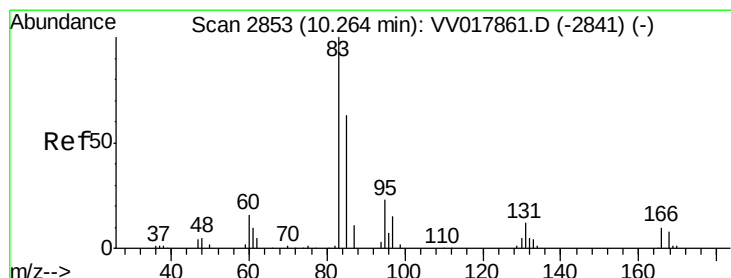
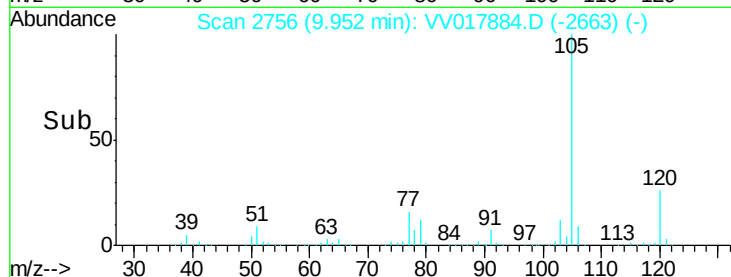
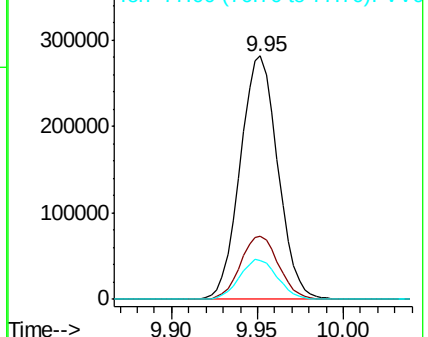
105 100

120 26.3 21.0 31.4

77 16.5 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.361 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

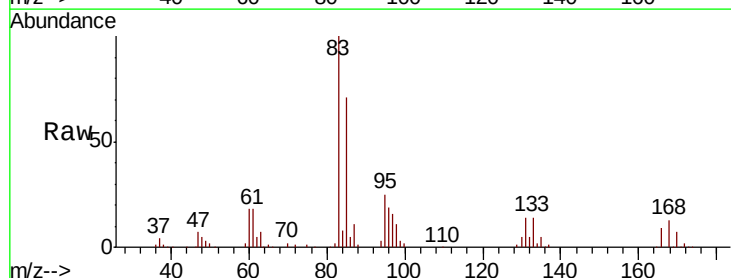
Tgt Ion: 83 Resp: 113101

Ion Ratio Lower Upper

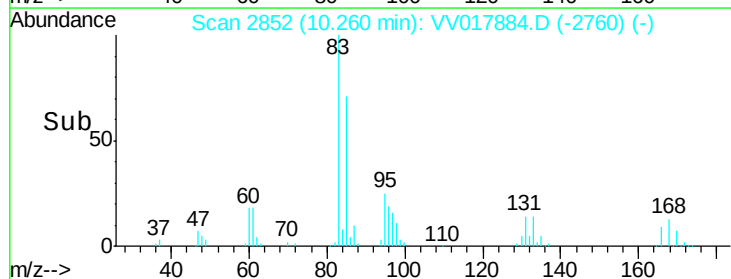
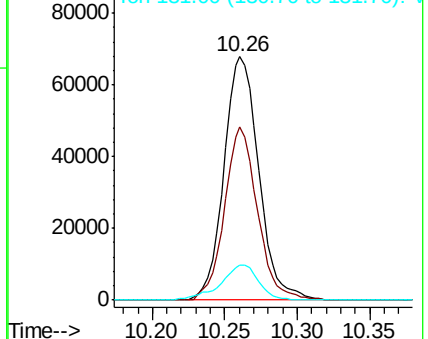
83 100

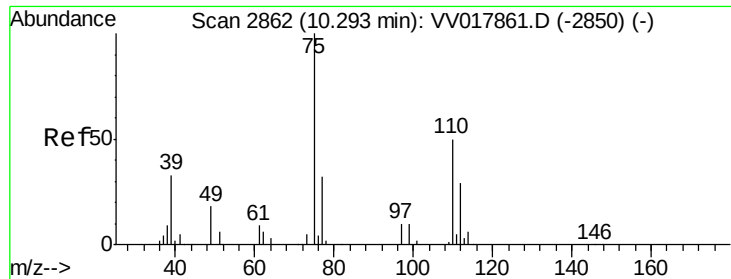
85 71.1 47.5 88.1

131 14.2 11.1 16.7



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

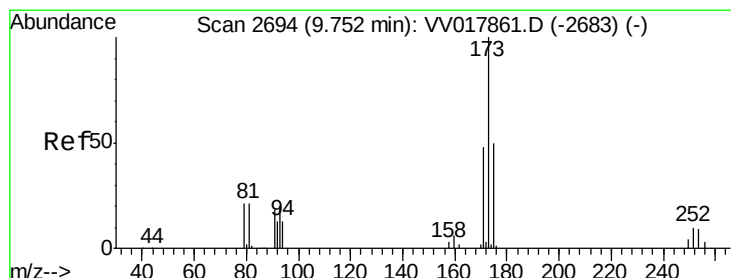
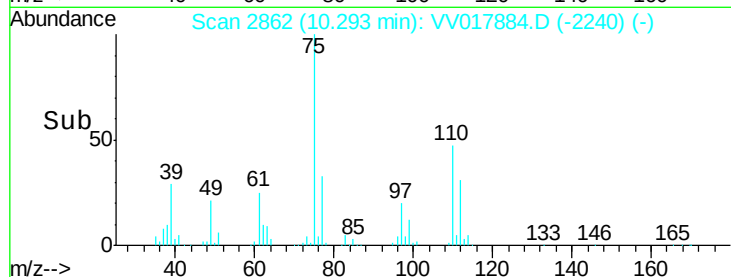
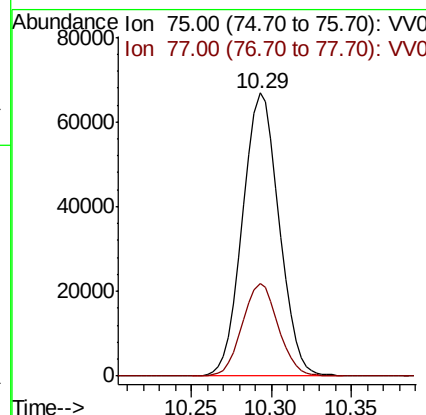
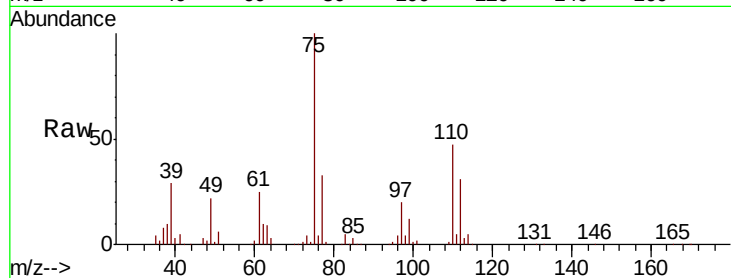




#59
 1,2,3-Trichloropropane
 Concen: 51.916 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

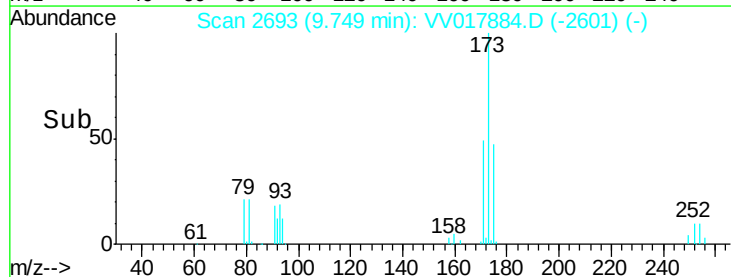
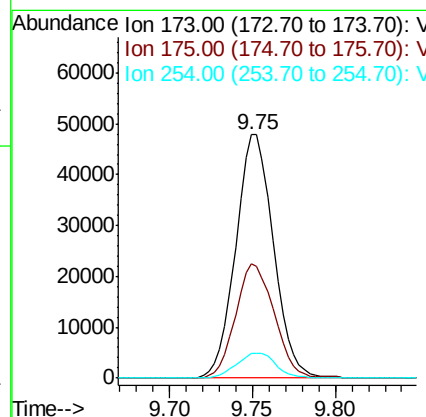
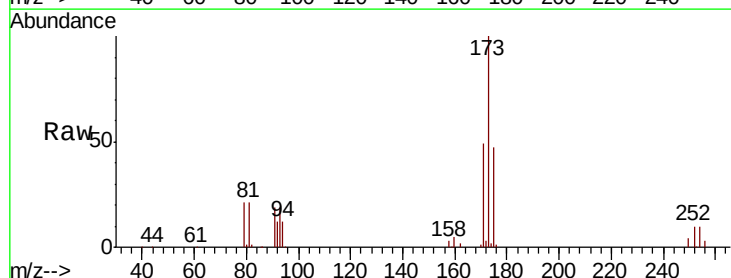
Instrument :
 MSVOA_V
 ClientSampleId :

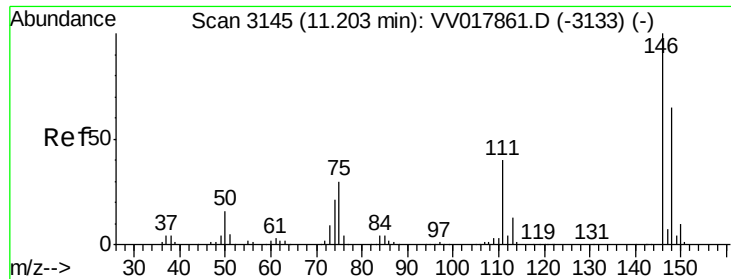
Tot Ion: 75 Resp: 103871
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.4 39.6



#61
 Bromoform
 Concen: 60.901 ug/L
 RT: 9.75 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion: 173 Resp: 75911
 Ion Ratio Lower Upper
 173 100
 175 47.9 40.6 60.8
 254 10.5 8.2 12.2





#62

1,3-Dichlorobenzene

Concen: 51.206 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV017884.D

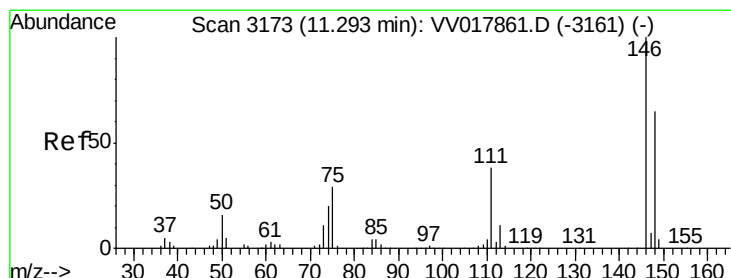
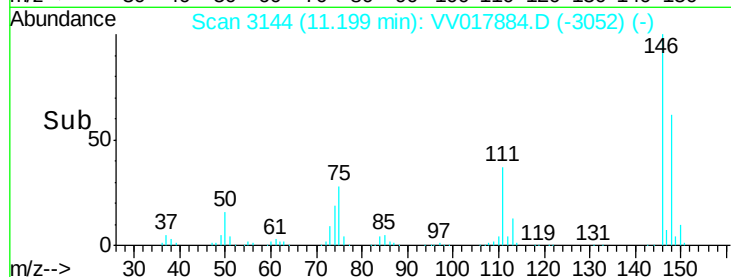
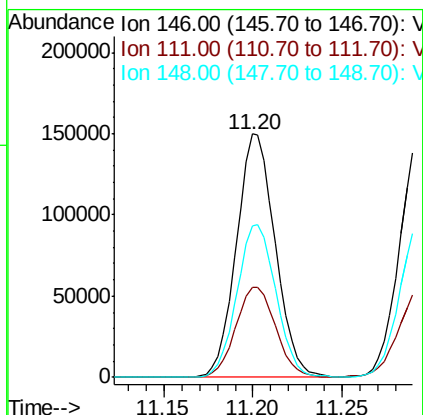
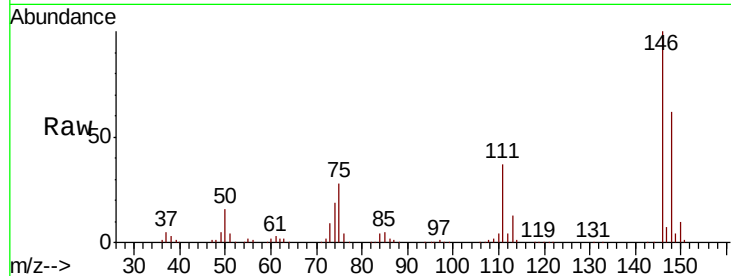
Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	227065
Ion	Ratio	Lower Upper
146	100	
111	37.0	27.1 50.3
148	62.3	43.8 81.4



#63

1,4-Dichlorobenzene

Concen: 50.375 ug/L

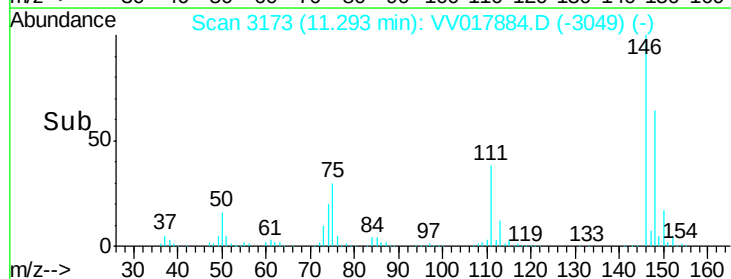
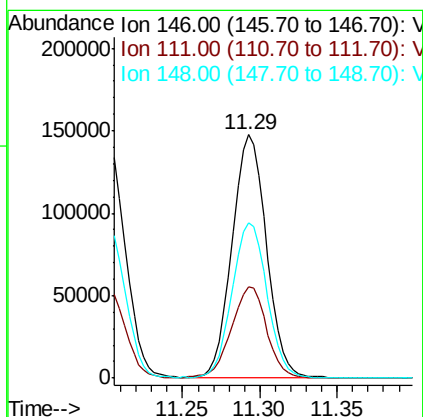
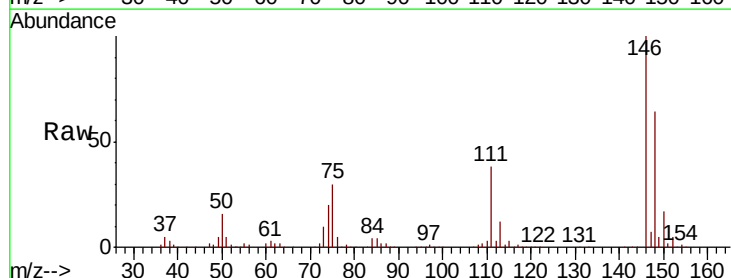
RT: 11.29 min Scan# 3173

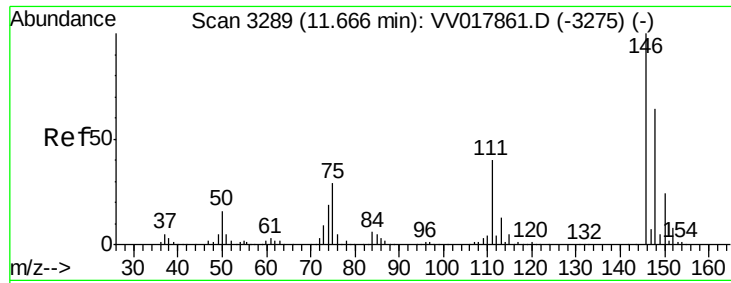
Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Tgt Ion:146	Resp:	226891
Ion	Ratio	Lower Upper
146	100	
111	37.5	26.2 48.8
148	63.9	44.3 82.3

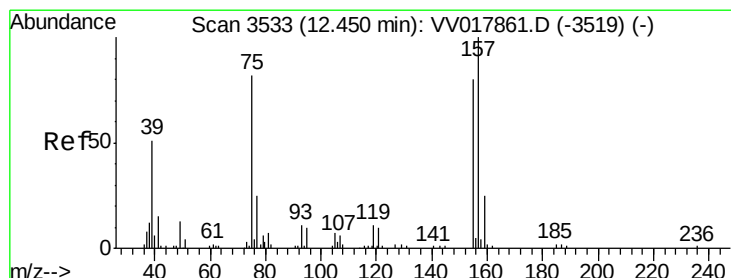
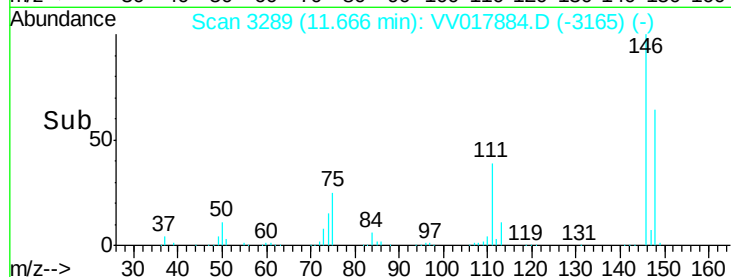
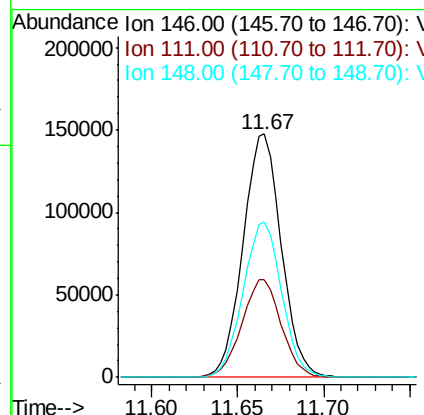
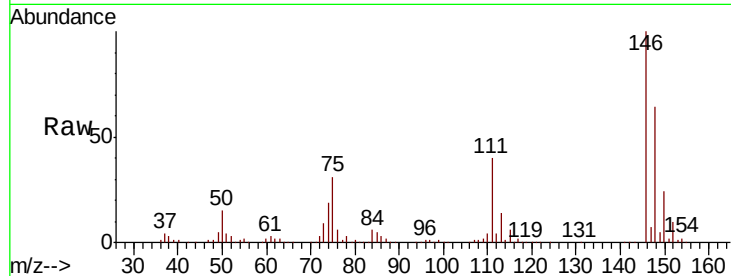




#65
 1,2-Dichlorobenzene
 Concen: 50.477 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

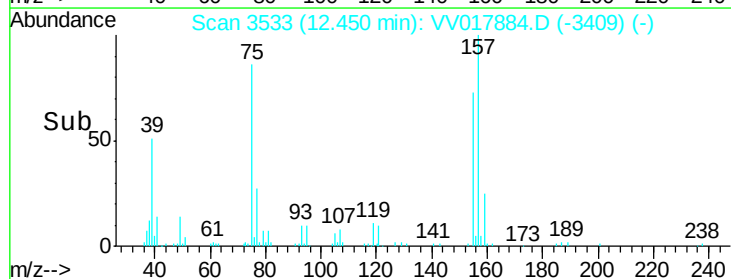
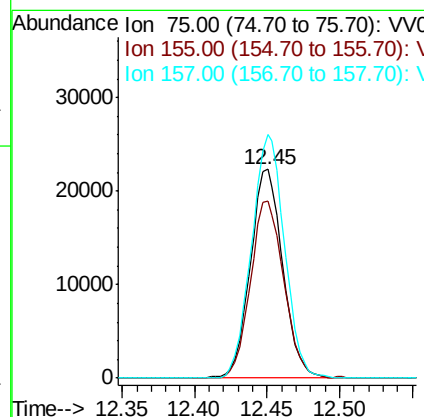
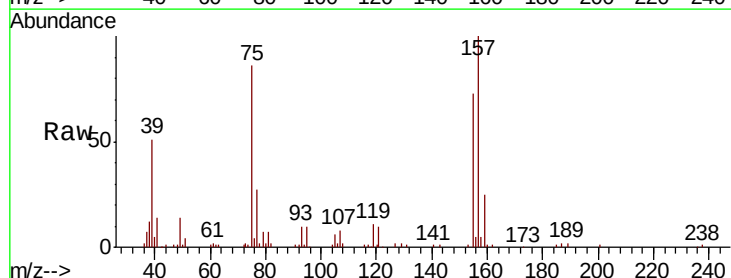
Instrument :
 MSVOA_V
 ClientSampleId :

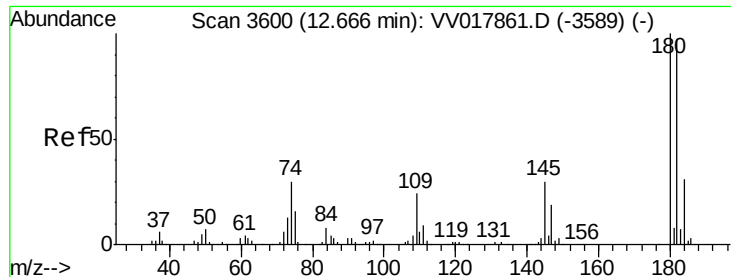
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.9	49.3
148	63.8	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.914 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	75.0	112.6
157	116.6	95.0	142.4

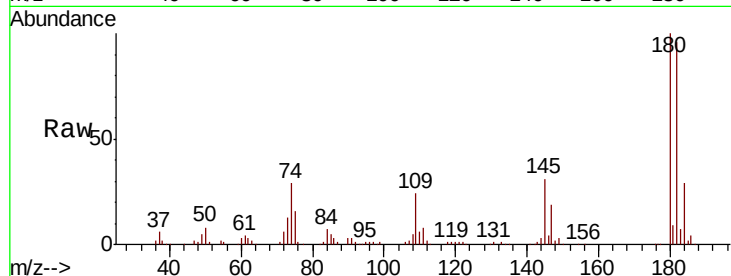




#67
 1,3,5-Trichlorobenzene
 Concen: 51.301 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
184	30.2	24.4	36.6
145	30.8	24.2	36.4

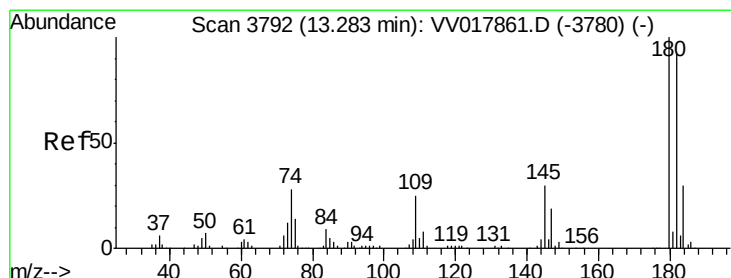
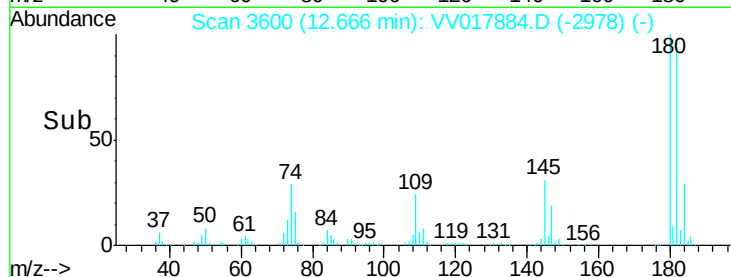
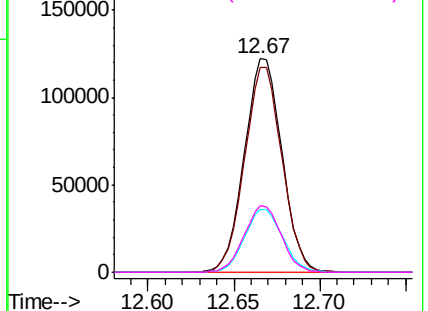


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

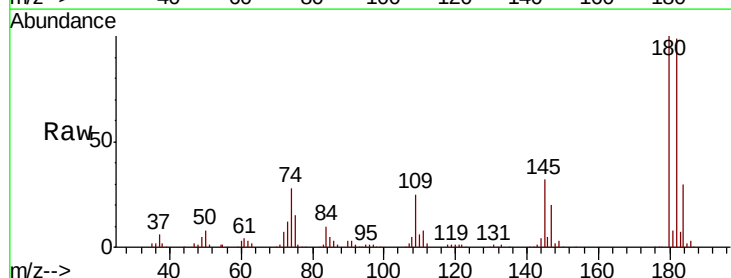
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.286 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017884.D
 Acq: 10 Aug 2020 09:31

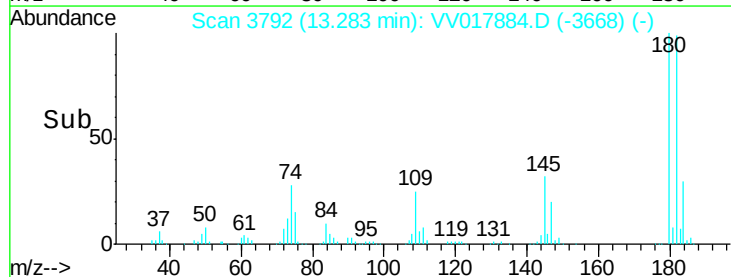
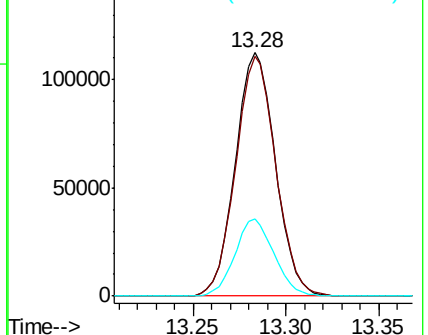
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.6	113.4
145	31.2	24.1	36.1

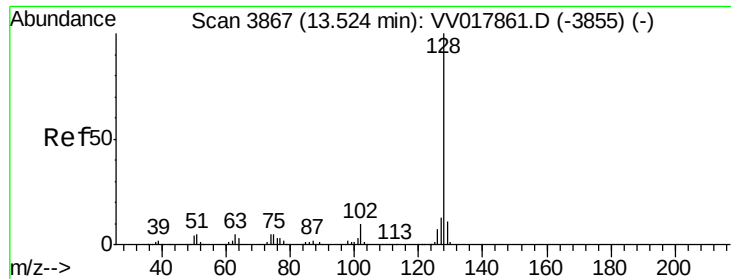


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.936 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

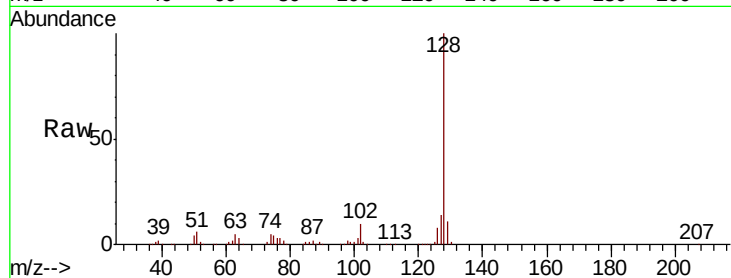
Tot Ion:128 Resp: 442834

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

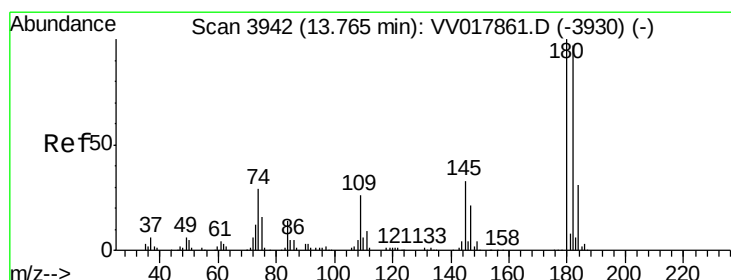
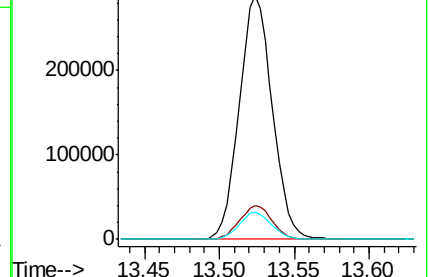
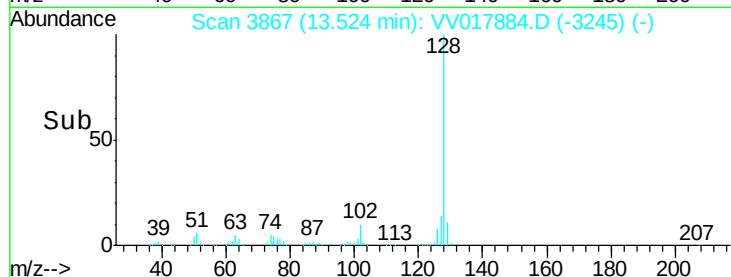
129 10.8 8.5 12.7



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: 54.589 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017884.D

Acq: 10 Aug 2020 09:31

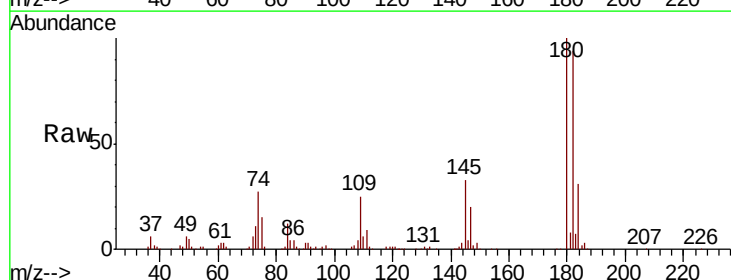
Tgt Ion:180 Resp: 173940

Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

145 32.3 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

