

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102320\
 Data File : VV019086.D
 Acq On : 23 Oct 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 24 03:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	295804	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	291929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156427	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114795	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.44%
7) Chloroethane-d5	1.58	69	95486	44.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.30%
11) 1,1-Dichloroethene-d2	2.12	63	229673	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
21) 2-Butanone-d5	3.91	46	164519	91.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.03%
24) Chloroform-d	4.37	84	216468	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	5.05	65	147635	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
32) Benzene-d6	5.07	84	404153	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.52%
36) 1,2-Dichloropropane-d6	6.09	67	129575	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.58%
41) Toluene-d8	7.33	98	373808	46.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.62%
43) trans-1,3-Dichloropropene-	7.64	79	67828	45.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.52%
47) 2-Hexanone-d5	8.11	63	114813	91.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.29%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	175125	45.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	147730	45.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	116878	50.727	ug/L 100
3) Chloromethane	1.25	50	134197	46.832	ug/L 98
5) Vinyl chloride	1.32	62	134819	47.760	ug/L 100
6) Bromomethane	1.53	94	81609	50.526	ug/L 98
8) Chloroethane	1.60	64	84372	47.661	ug/L 98
9) Trichlorofluoromethane	1.77	101	190731	51.368	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99884	50.582	ug/L 99
12) 1,1-Dichloroethene	2.13	96	96759	48.975	ug/L 87
13) Acetone	2.20	43	126561	103.323	ug/L 99
14) Carbon disulfide	2.31	76	312082	47.910	ug/L 100
15) Methyl Acetate	2.45	43	117105	45.494	ug/L 98
16) Methylene chloride	2.52	84	108902	47.291	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	102252	48.976	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	326947	48.291	ug/L 99
19) 1,1-Dichloroethane	3.21	63	201180	47.726	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	106305	47.617	ug/L 98
22) 2-Butanone	4.00	43	161016	95.890	ug/L 98

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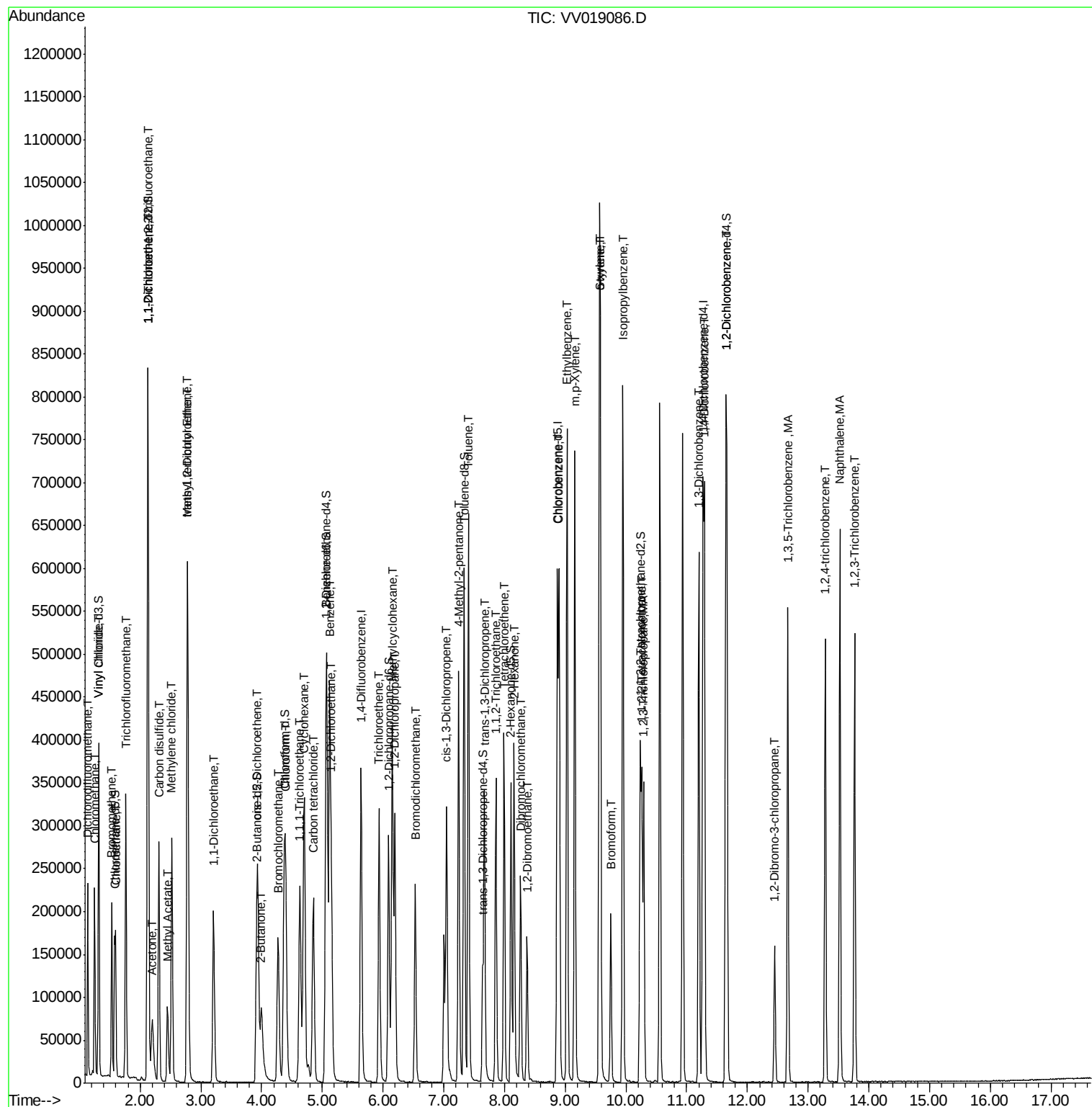
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54988	48.385	uq/L	99
25) Chloroform	4.40	83	199977	48.158	uq/L	97
27) 1,2-Dichloroethane	5.15	62	170934	49.600	uq/L	100
29) Cyclohexane	4.70	56	177137	50.693	uq/L	97
30) 1,1,1-Trichloroethane	4.63	97	180356	49.620	uq/L	99
31) Carbon tetrachloride	4.85	117	157946	49.847	uq/L	100
33) Benzene	5.12	78	431587	48.293	uq/L	100
34) Trichloroethene	5.94	95	109486	48.481	uq/L	99
35) Methylcyclohexane	6.15	83	159226	51.532	uq/L	100
37) 1,2-Dichloropropane	6.19	63	115435	46.918	uq/L	100
38) Bromodichloromethane	6.53	83	151056	48.524	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	174814	48.078	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	317010	95.506	uq/L	100
42) Toluene	7.41	91	458071	49.936	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	179871	49.863	uq/L	97
45) 1,1,2-Trichloroethane	7.86	97	102252	47.056	uq/L	99
46) Tetrachloroethene	7.99	164	88707	51.186	uq/L	99
48) 2-Hexanone	8.16	43	248482	97.014	uq/L	99
49) Dibromochloromethane	8.26	129	116223	48.933	uq/L	99
50) 1,2-Dibromoethane	8.37	107	106645	47.292	uq/L	99
51) Chlorobenzene	8.90	112	290054	49.301	uq/L	100
52) Ethylbenzene	9.03	91	506467	51.058	uq/L	99
53) m,p-Xylene	9.16	106	188919	52.025	uq/L	96
54) o-xylene	9.56	106	178999	51.196	uq/L	100
55) Styrene	9.58	104	325282	52.448	uq/L	99
56) Isopropylbenzene	9.95	105	485642	52.825	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166149	46.468	uq/L	98
59) 1,2,3-Trichloropropane	10.29	75	133363	46.358	uq/L	100
61) Bromoform	9.75	173	84489	47.960	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	233411	49.723	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	239727	48.872	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	231067	48.820	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	38670	46.245	uq/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	160230	49.987	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	150341	49.739	uq/L	98
69) Naphthalene	13.52	128	460806	49.479	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	151875	49.591	uq/L	98

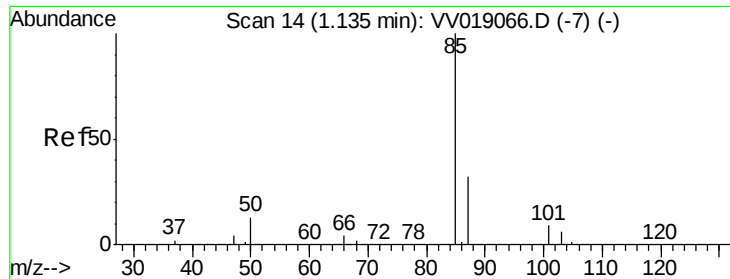
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.727 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

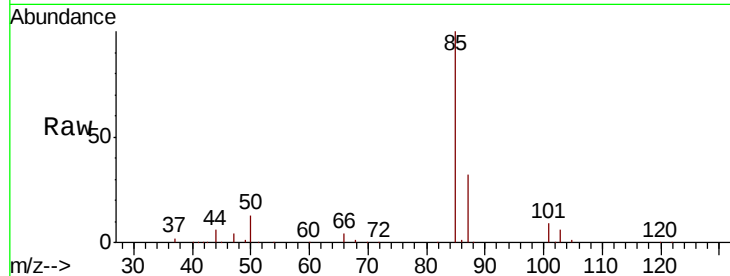
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 116878

Ion Ratio Lower Upper

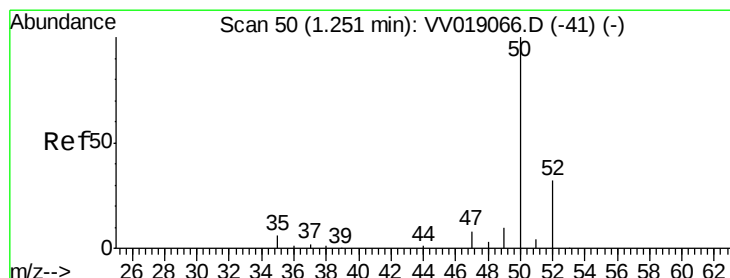
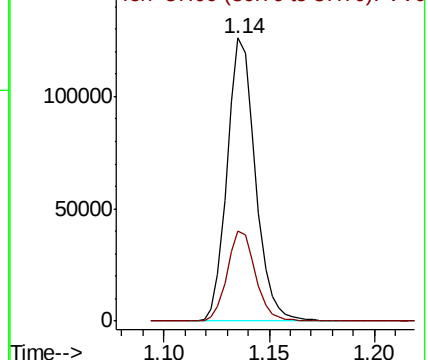
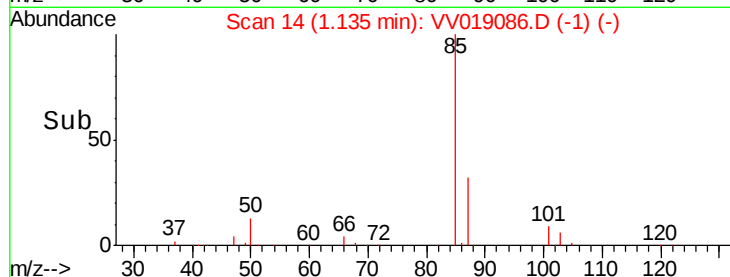
85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019086.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019086.D (-1) (-)



#3

Chloromethane

Concen: 46.832 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019086.D

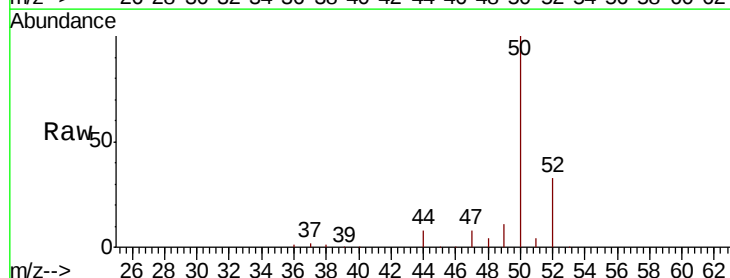
Acq: 23 Oct 2020 10:09

Tgt Ion: 50 Resp: 134197

Ion Ratio Lower Upper

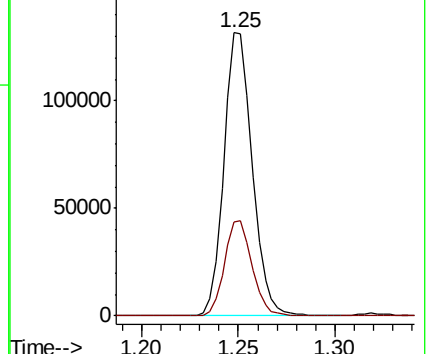
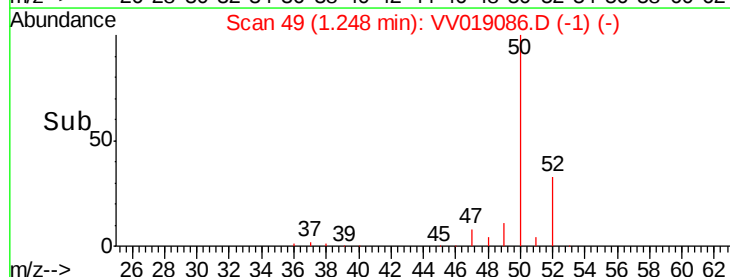
50 100

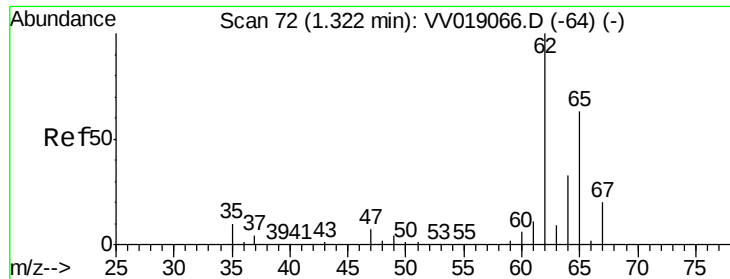
52 33.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019086.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019086.D (-1) (-)





#5

Vinyl chloride

Concen: 47.760 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

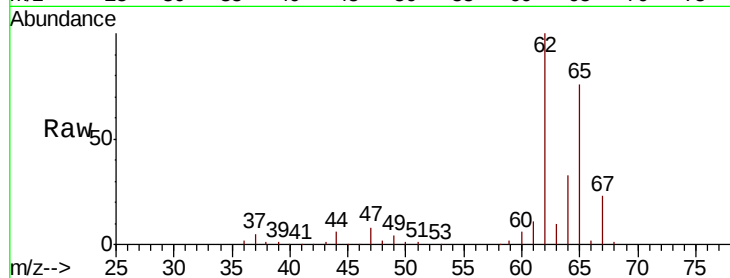
ClientSampled :

Tot Ion: 62 Resp: 134819

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

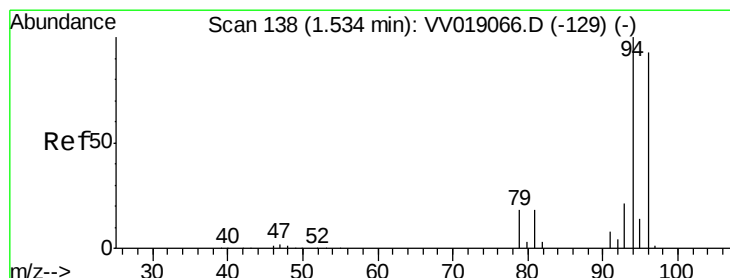
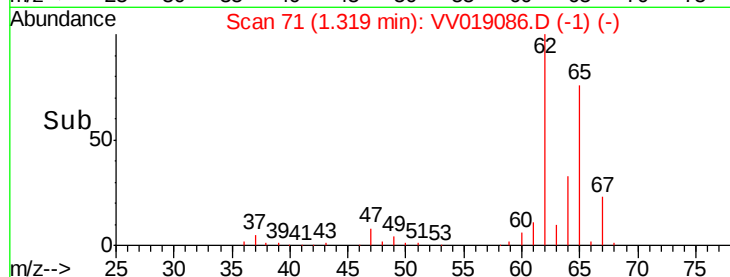
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 50.526 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019086.D

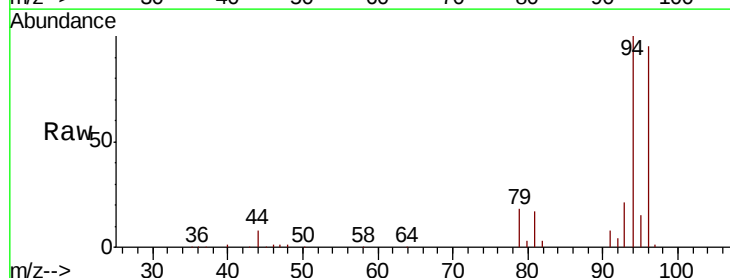
Acq: 23 Oct 2020 10:09

Tgt Ion: 94 Resp: 81609

Ion Ratio Lower Upper

94 100

96 94.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

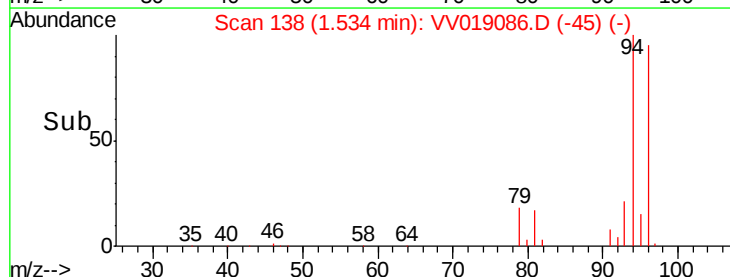
60000

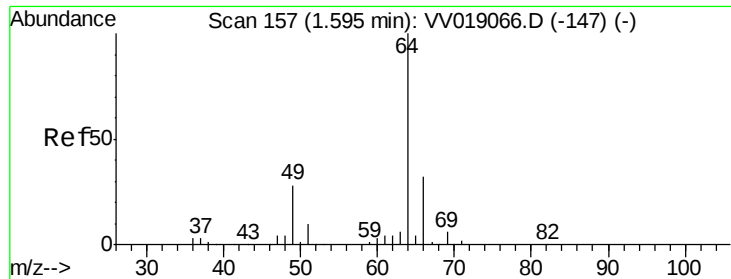
40000

20000

0

Time-->

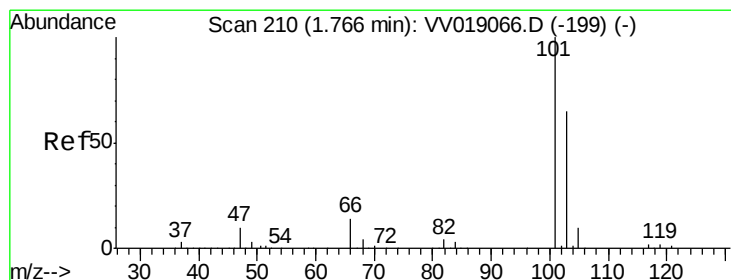
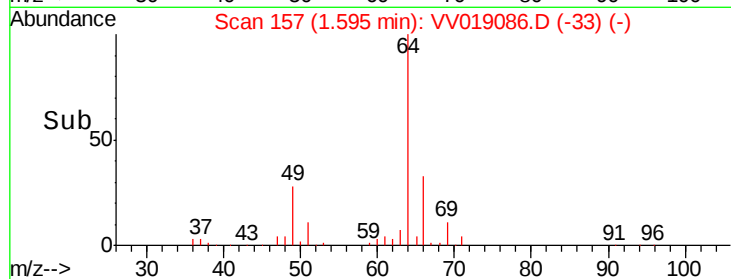
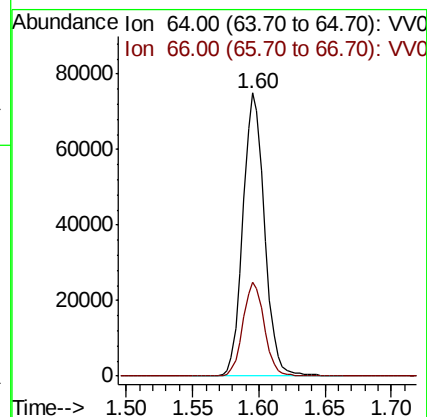
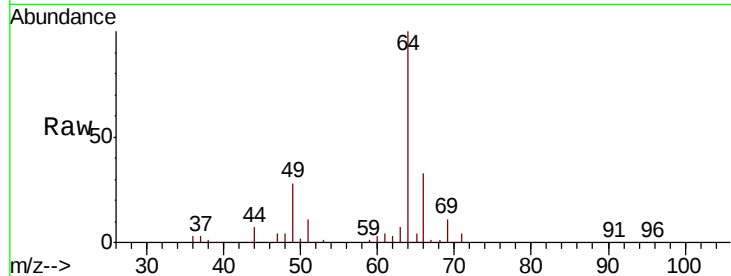




#8
Chloroethane
Concen: 47.661 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

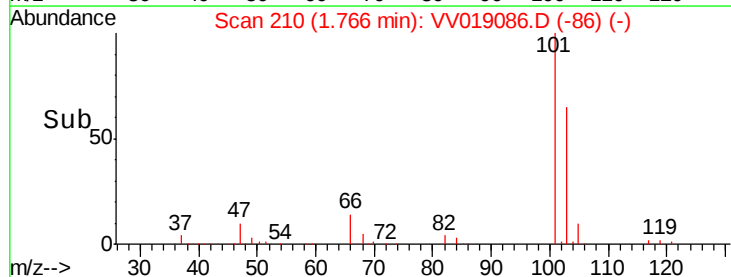
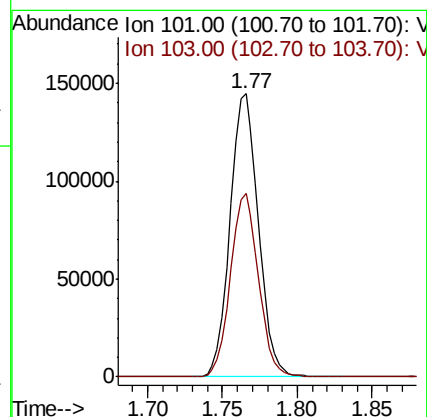
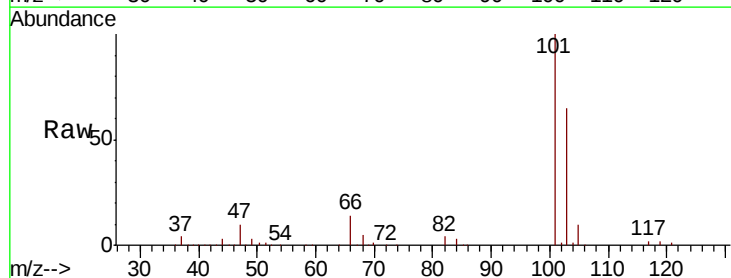
Instrument :
MSVOA_V
ClientSampleId :

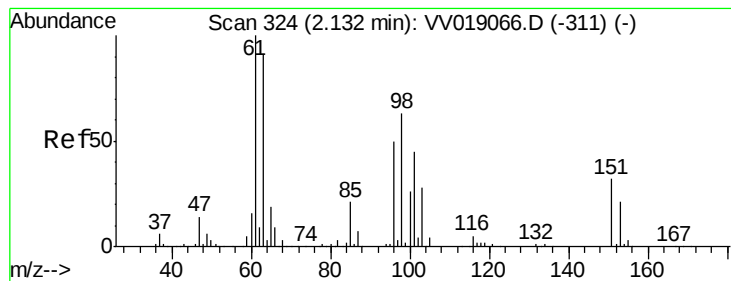
Tot Ion: 64 Resp: 84372
Ion Ratio Lower Upper
64 100
66 33.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.368 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion:101 Resp: 190731
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5





#10

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

Concen: 50.582 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

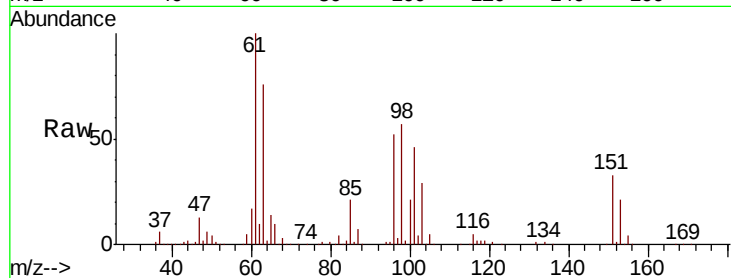
Tot Ion:101 Resp: 99884

Ion Ratio Lower Upper

101 100

85 46.6 36.9 55.3

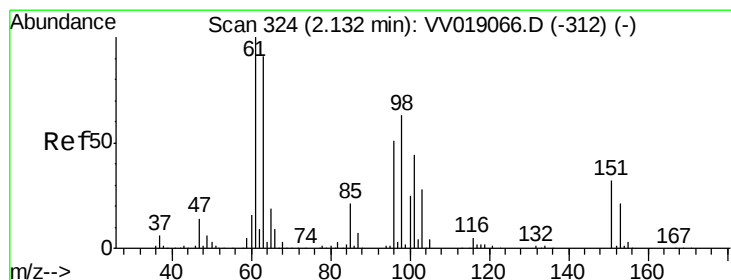
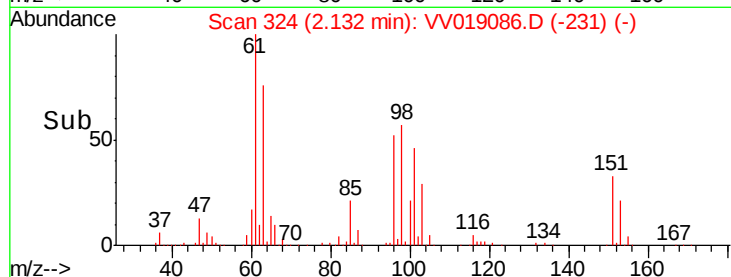
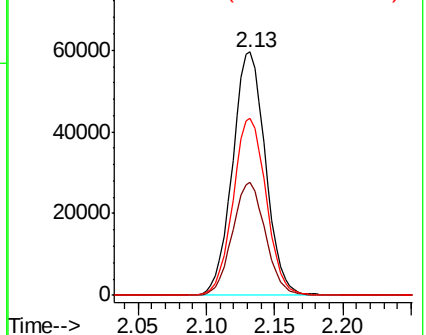
151 73.4 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.975 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

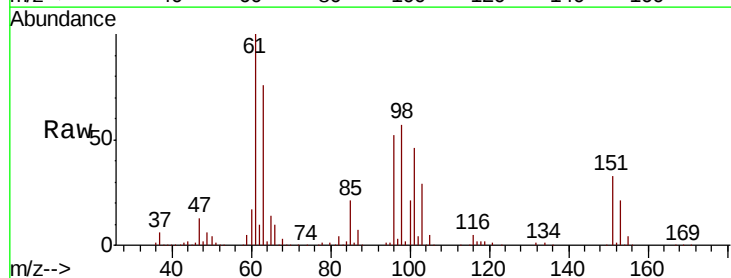
Tgt Ion: 96 Resp: 96759

Ion Ratio Lower Upper

96 100

61 193.8 138.7 257.7

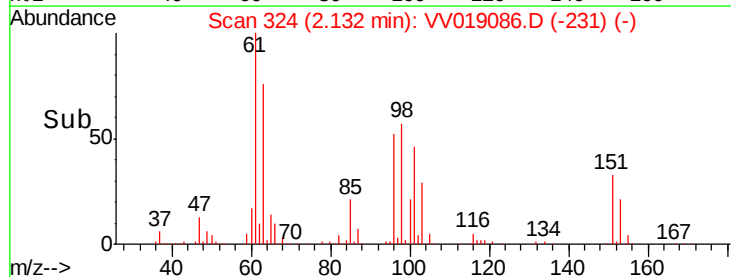
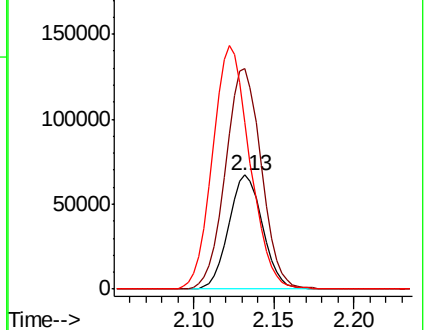
63 146.9 126.3 234.6

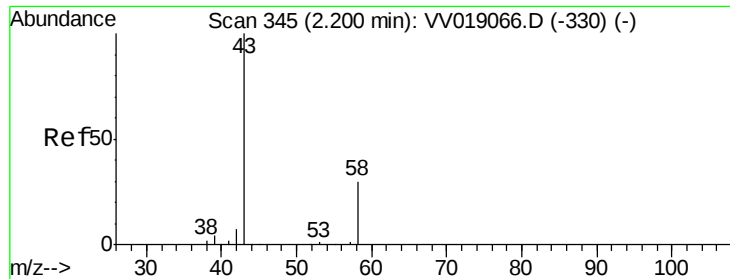


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.323 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

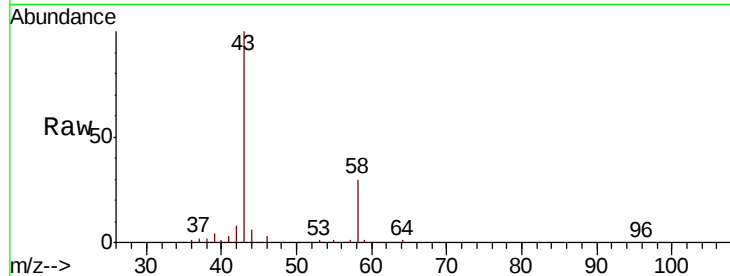
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 126561

Ion Ratio Lower Upper

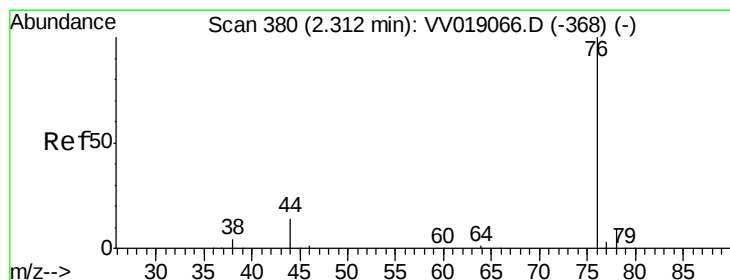
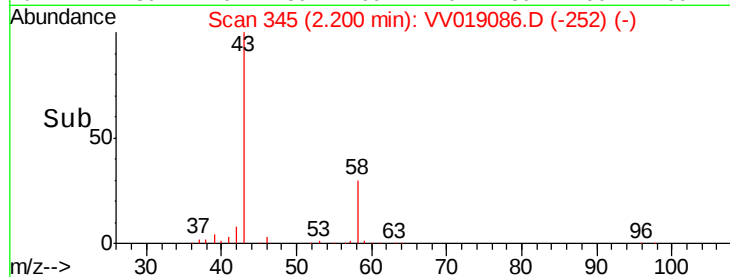
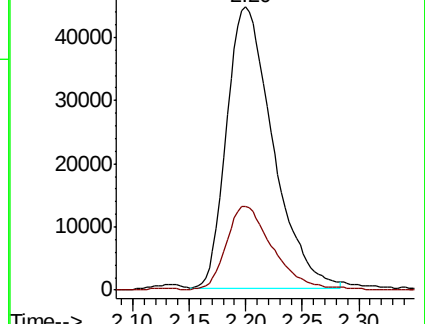
43 100

58 30.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019086.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019086.D (-330) (-)



#14

Carbon disulfide

Concen: 47.910 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019086.D

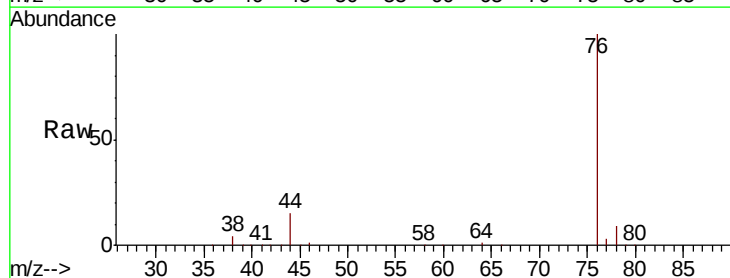
Acq: 23 Oct 2020 10:09

Tgt Ion: 76 Resp: 312082

Ion Ratio Lower Upper

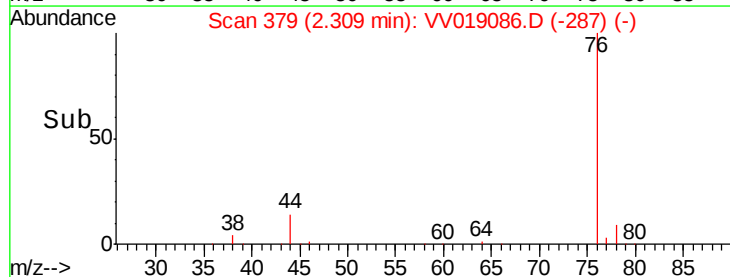
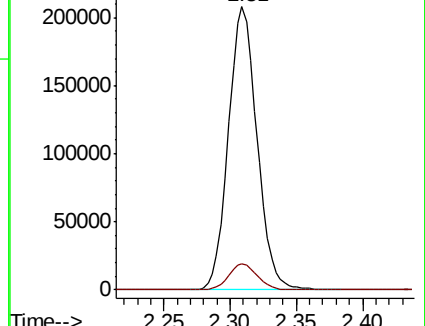
76 100

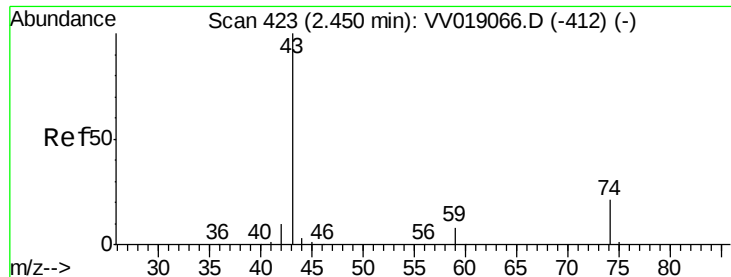
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019086.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV019086.D (-287) (-)

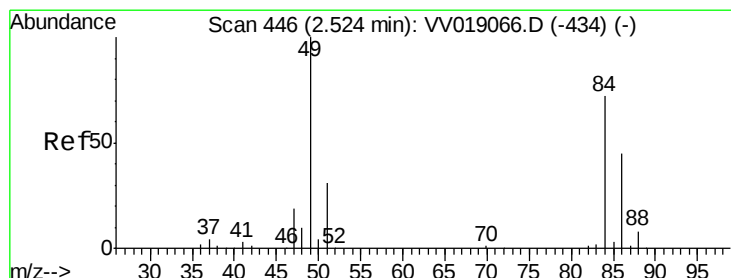
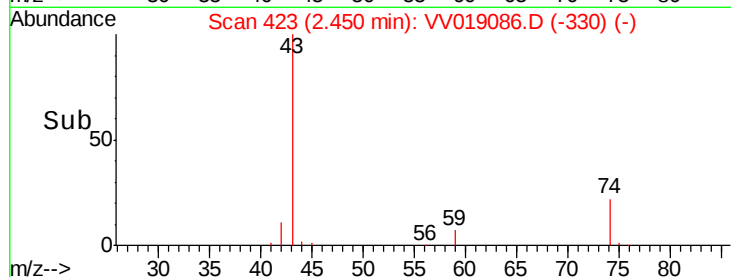
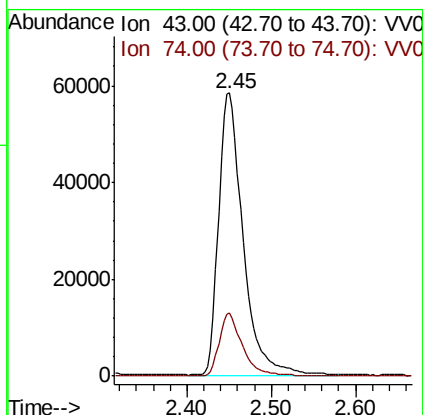
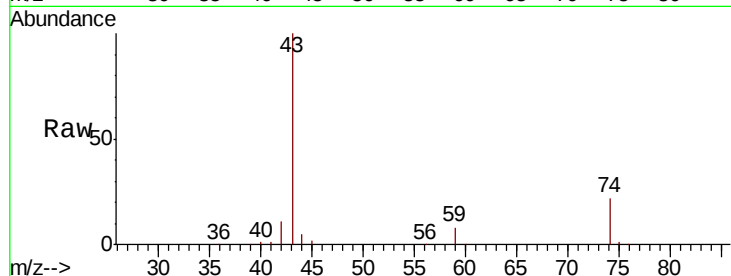




#15
Methvl Acetate
Concen: 45.494 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

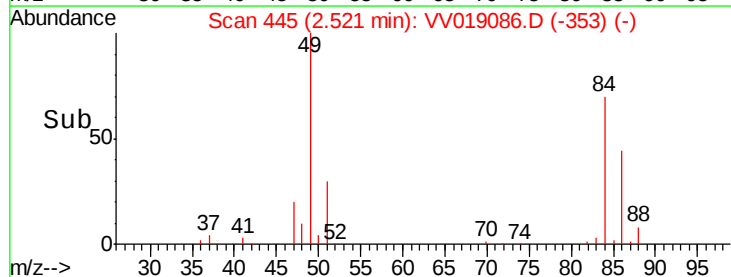
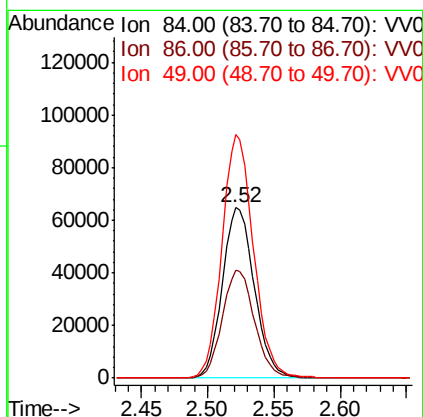
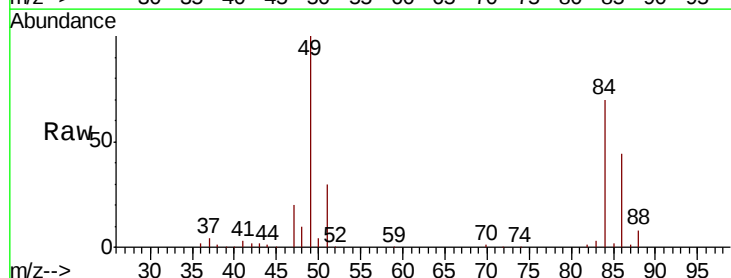
Instrument :
MSVOA_V
ClientSampleId :

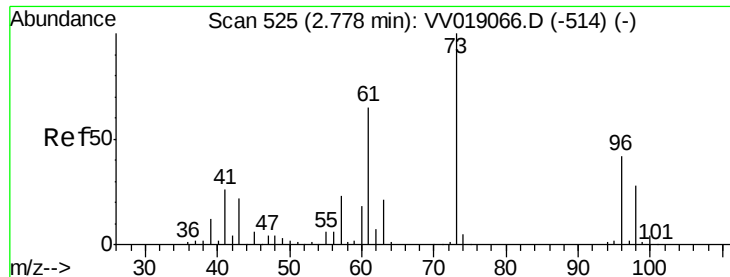
Tot Ion: 43 Resp: 117105
Ion Ratio Lower Upper
43 100
74 21.4 16.4 24.6



#16
Methylene chloride
Concen: 47.291 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion: 84 Resp: 108902
Ion Ratio Lower Upper
84 100
86 62.9 44.2 82.2
49 142.7 98.0 182.0

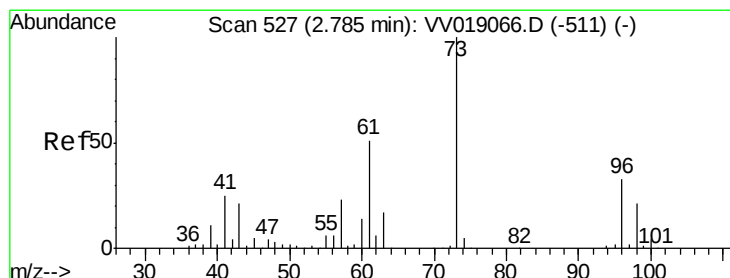
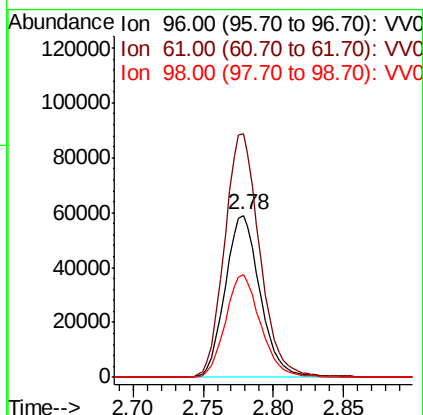
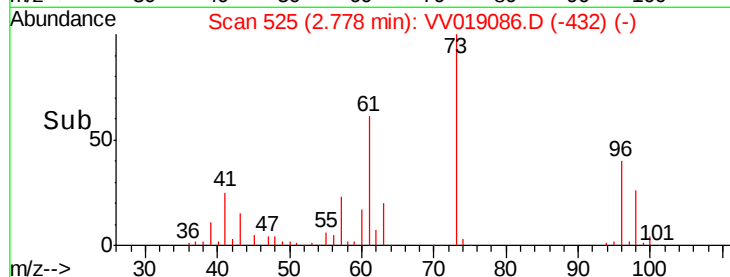
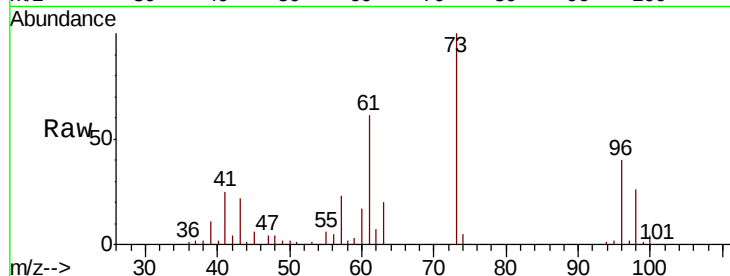




#17
trans-1,2-Dichloroethene
Concen: 48.976 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

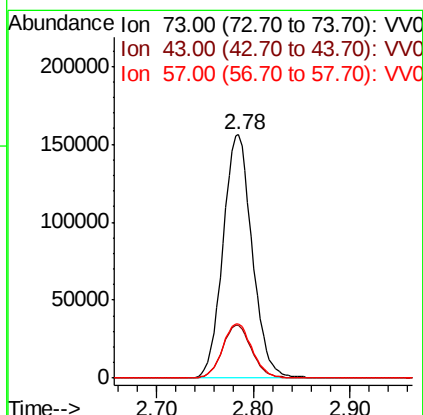
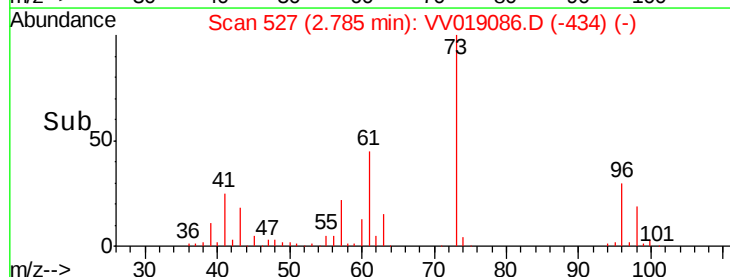
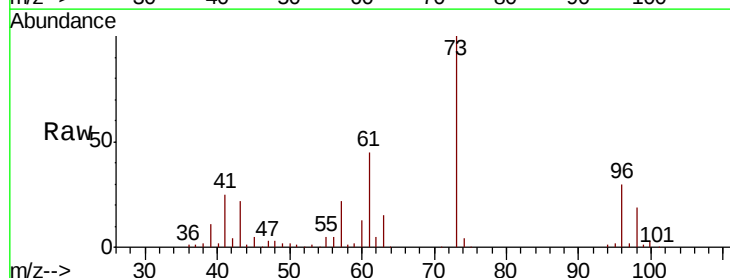
Instrument :
MSVOA_V
ClientSampled :

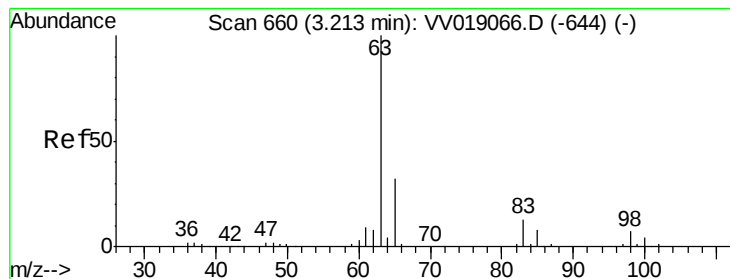
Tot Ion: 96 Resp: 102252
Ion Ratio Lower Upper
96 100
61 150.2 108.6 201.8
98 63.2 45.7 84.9



#18
Methyl tert-butyl Ether
Concen: 48.291 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion: 73 Resp: 326947
Ion Ratio Lower Upper
73 100
43 21.4 17.2 25.8
57 22.6 18.5 27.7





#19

1,1-Dichloroethane

Concen: 47.726 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

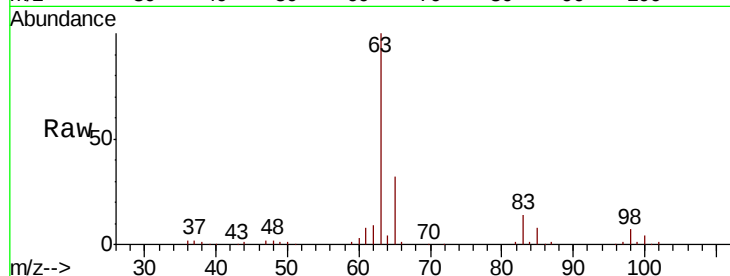
Tot Ion: 63 Resp: 201180

Ion Ratio Lower Upper

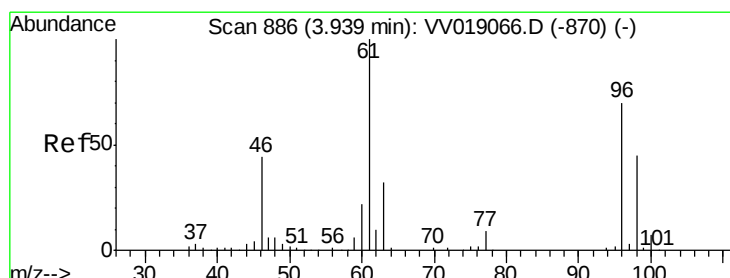
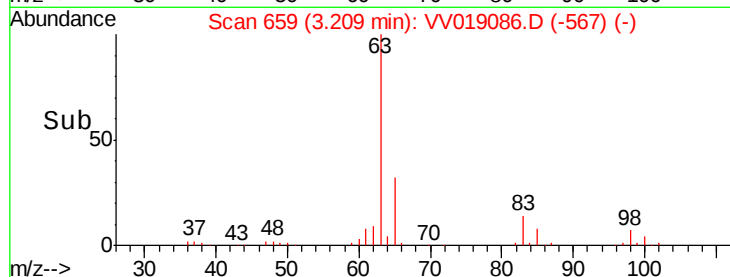
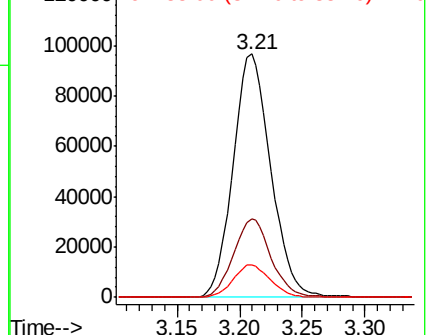
63 100

65 32.2 22.7 42.1

83 13.5 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.617 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

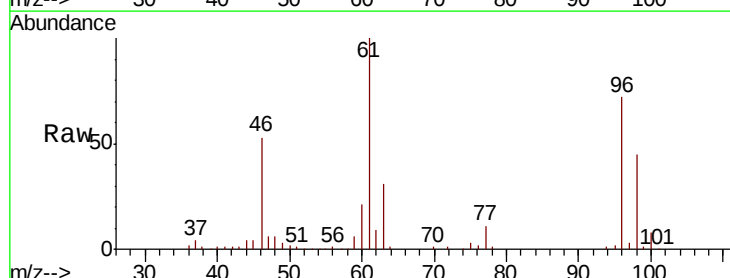
Tgt Ion: 96 Resp: 106305

Ion Ratio Lower Upper

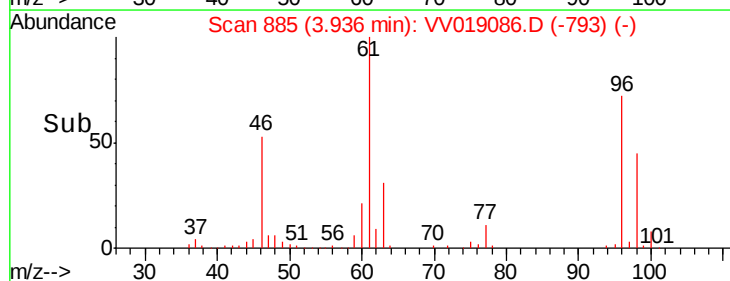
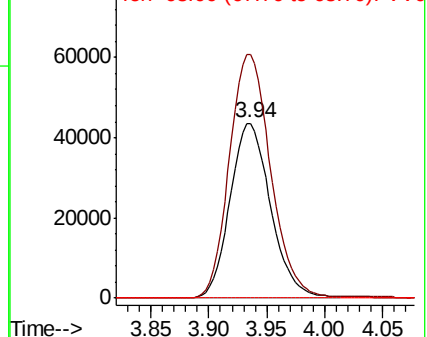
96 100

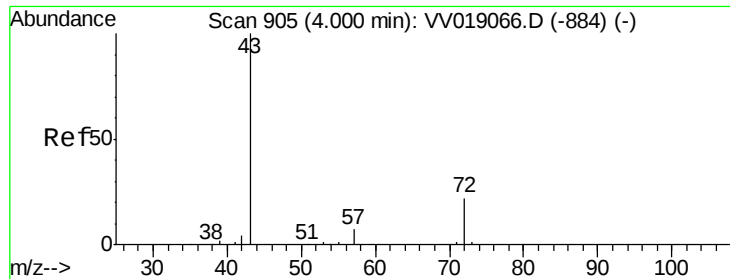
61 139.2 99.4 184.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 95.890 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

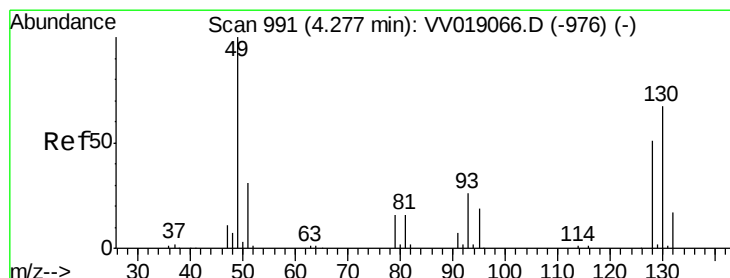
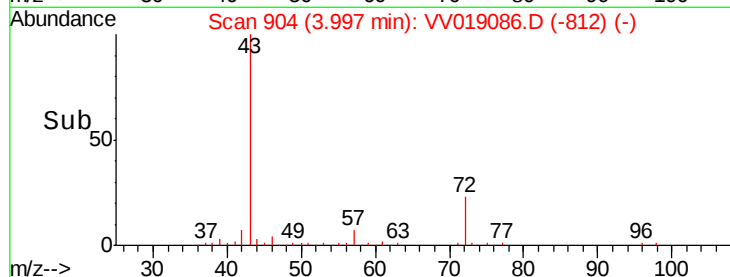
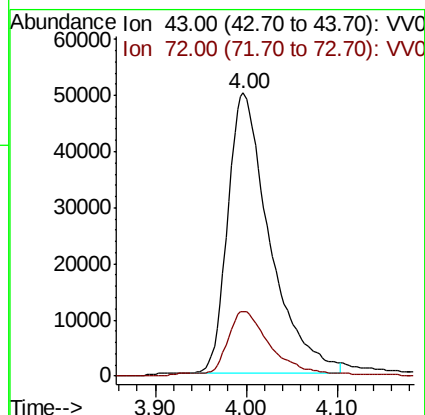
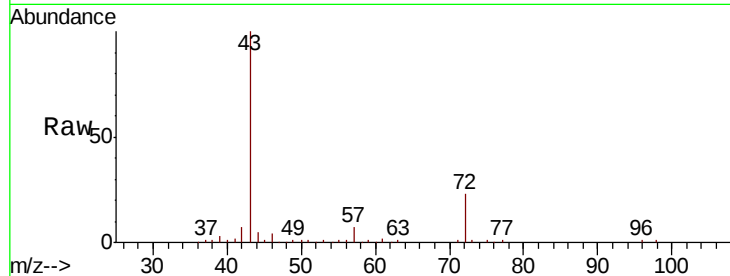
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 161016

Ion Ratio Lower Upper

43 100

72 20.8 10.8 32.4



#23

Bromochloromethane

Concen: 48.385 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Tgt Ion: 128 Resp: 54988

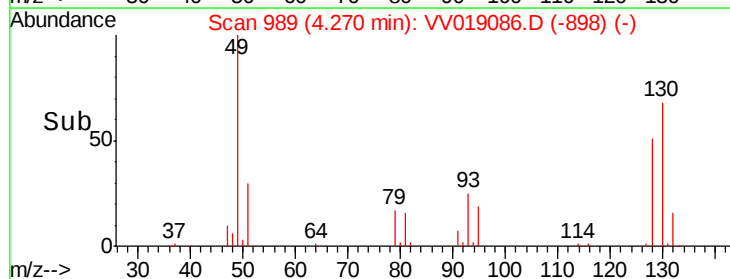
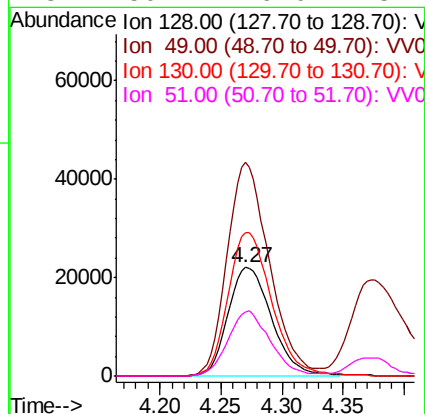
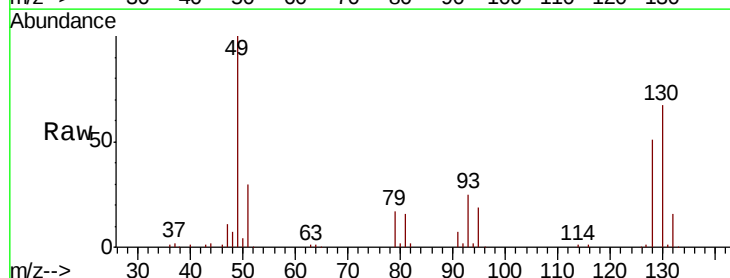
Ion Ratio Lower Upper

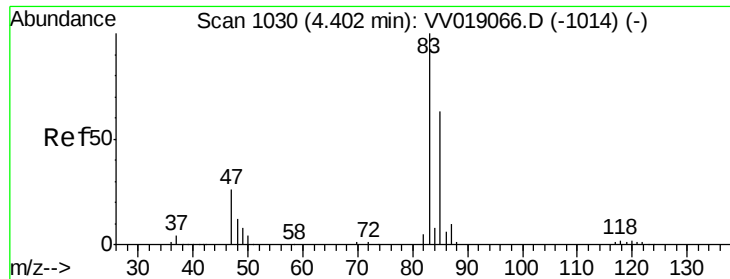
128 100

49 196.4 137.1 254.5

130 131.8 92.0 170.9

51 59.4 49.0 73.4

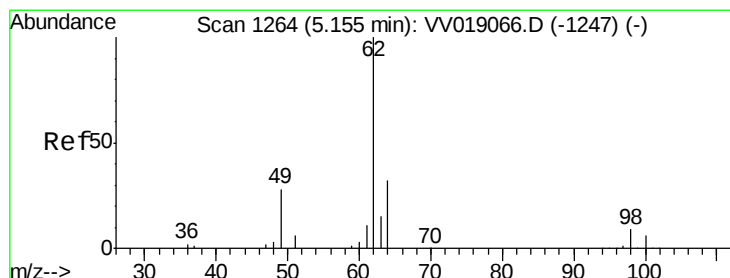
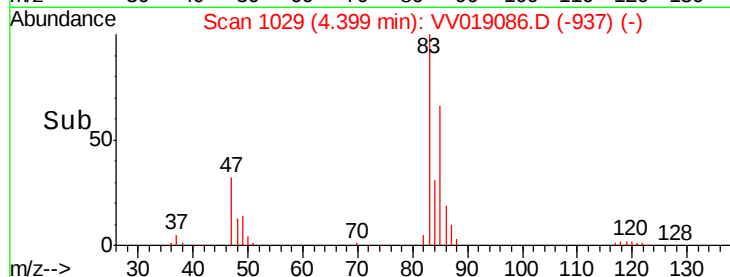
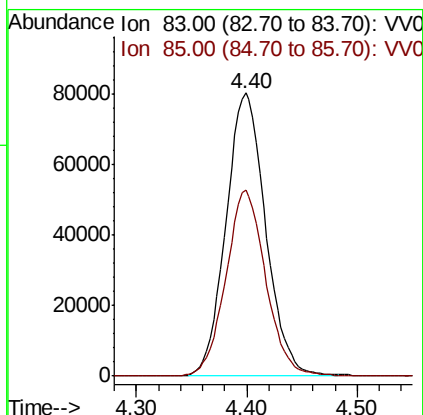
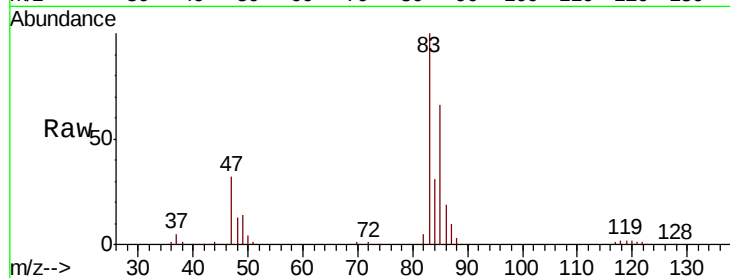




#25
Chloroform
Concen: 48.158 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

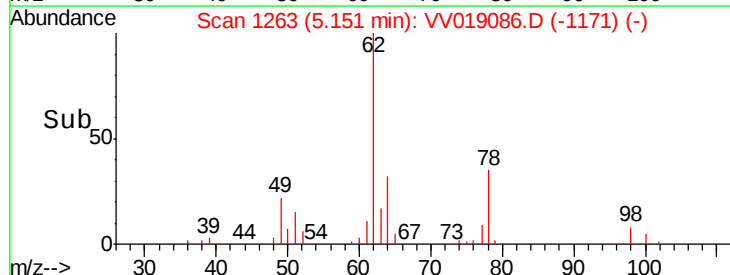
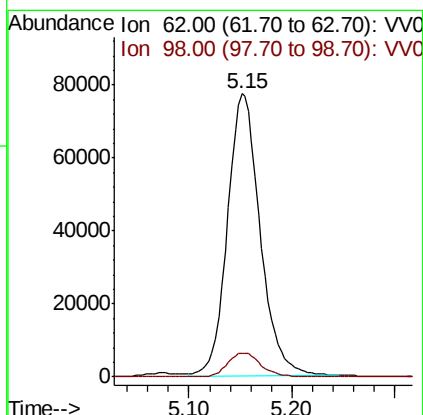
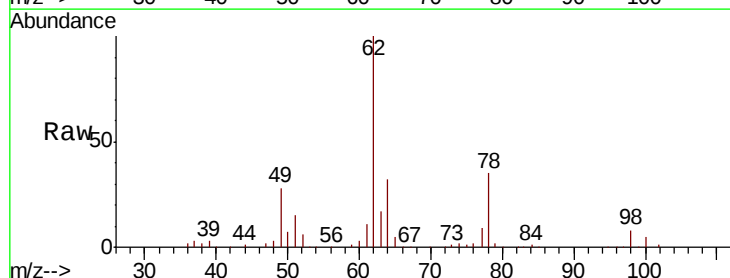
Instrument :
MSVOA_V
ClientSampleId :

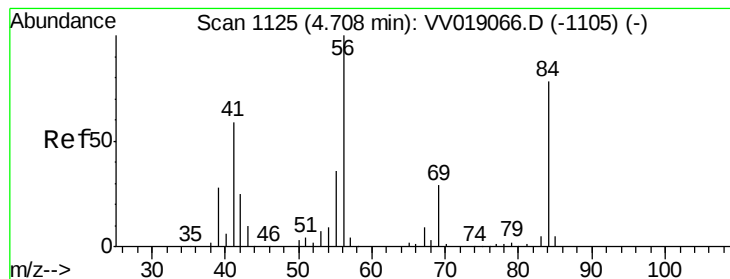
Tot Ion: 83 Resp: 199977
Ion Ratio Lower Upper
83 100
85 65.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 49.600 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion: 62 Resp: 170934
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3





#29

Cyclohexane

Concen: 50.693 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

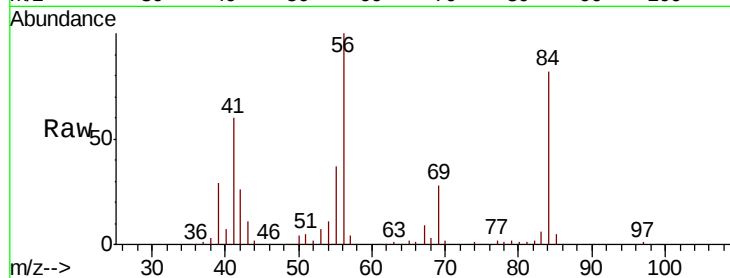
Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 177137

Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.7	34.1
84	83.0	63.5	95.3

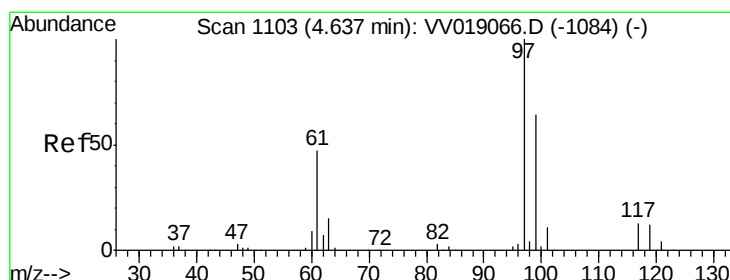
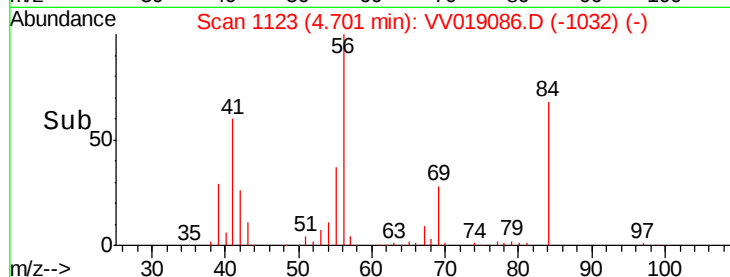
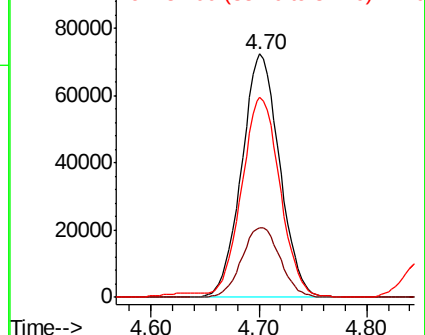


Abundance

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: 49.620 ug/L

RT: 4.63 min Scan# 1101

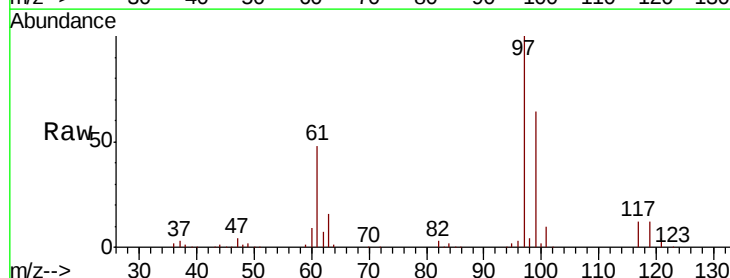
Delta R.T. -0.01 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Tgt Ion: 97 Resp: 180356

Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	47.8	38.1	57.1

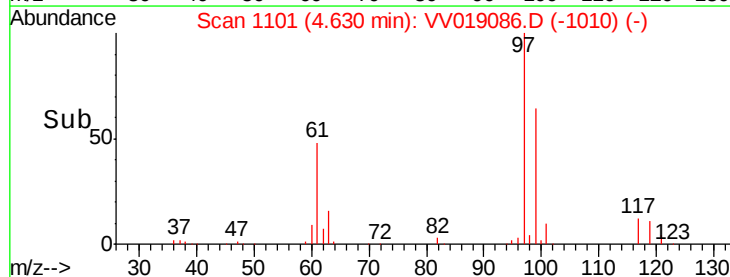
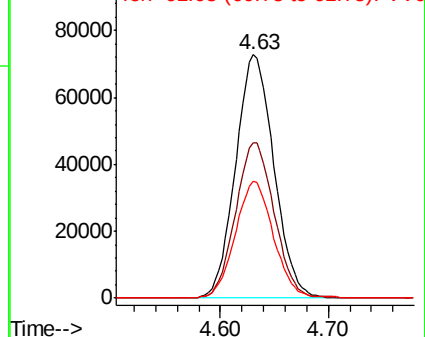


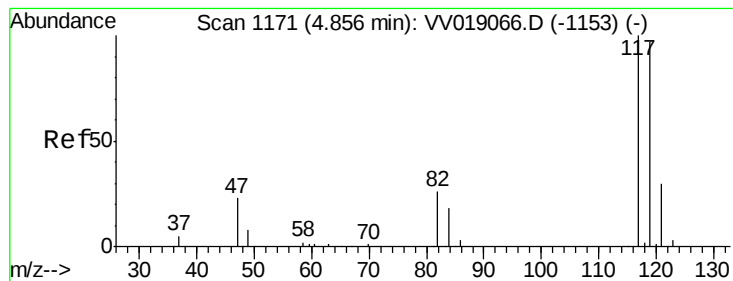
Abundance

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: 49.847 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

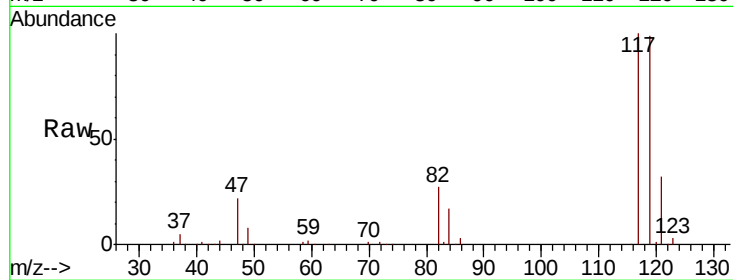
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 157946

Ion Ratio Lower Upper

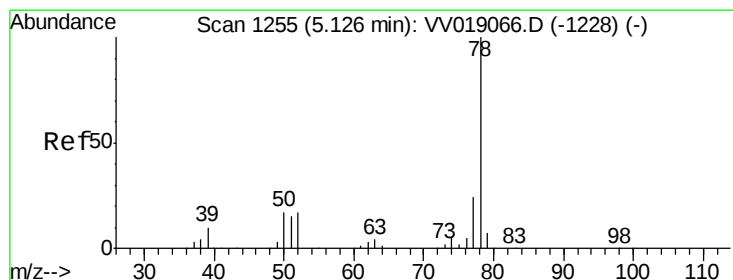
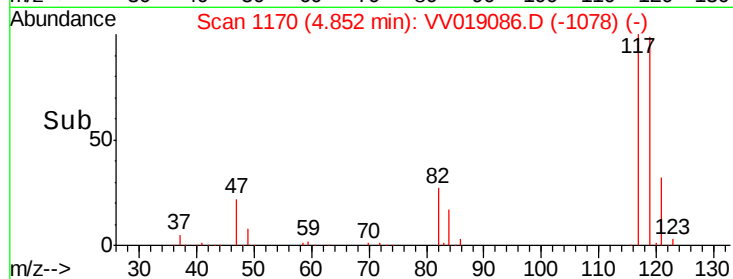
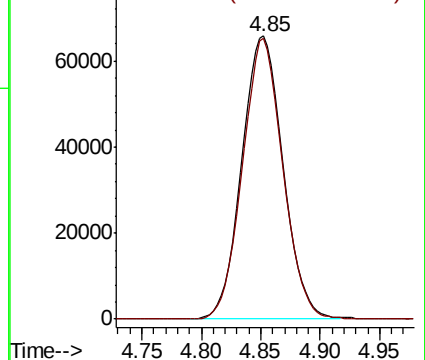
117 100

119 96.7 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.293 ug/L

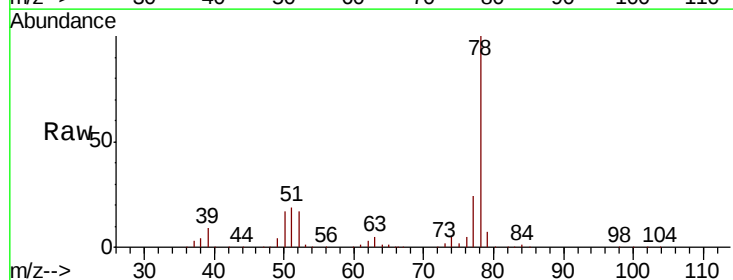
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

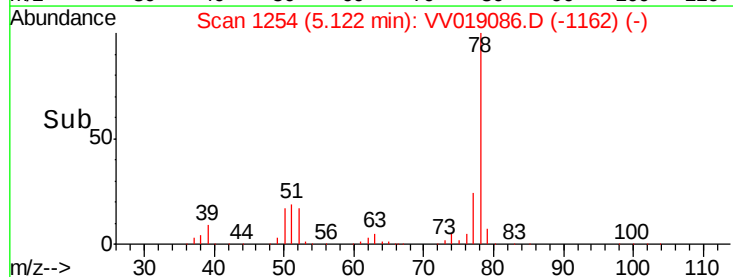
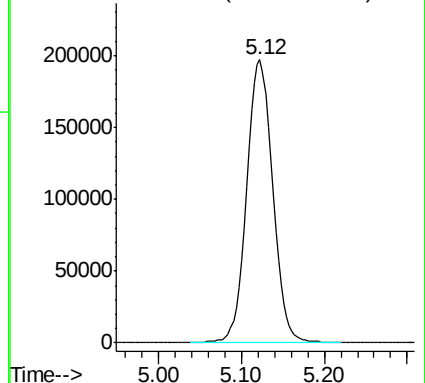
Lab File: VV019086.D

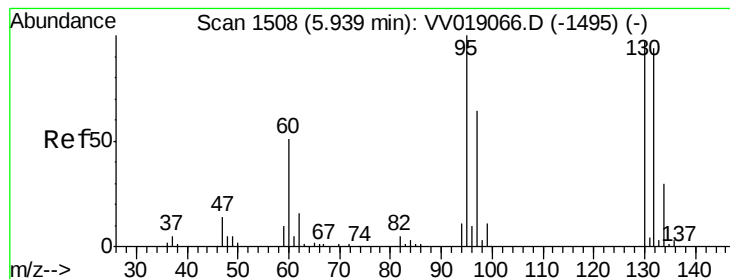
Acq: 23 Oct 2020 10:09

Tgt Ion: 78 Resp: 431587



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.481 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 109486

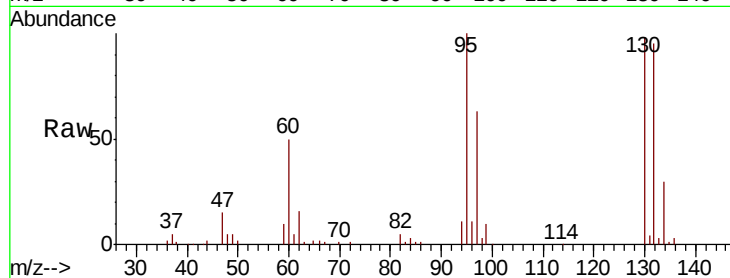
Ion Ratio Lower Upper

95 100

97 62.7 44.6 82.8

132 94.9 66.0 122.6

130 98.0 67.6 125.6

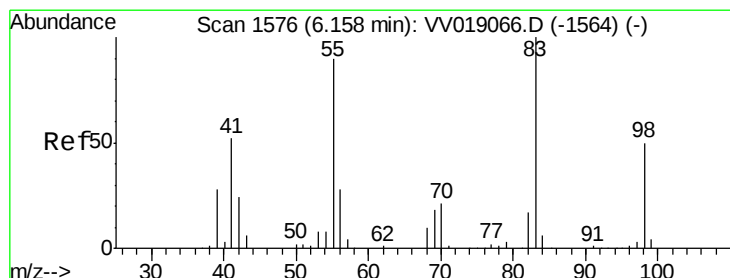
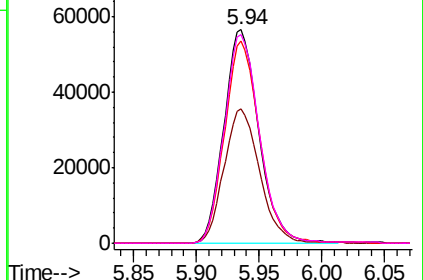
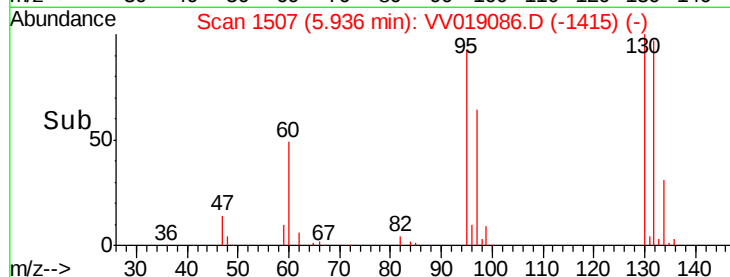


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.532 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

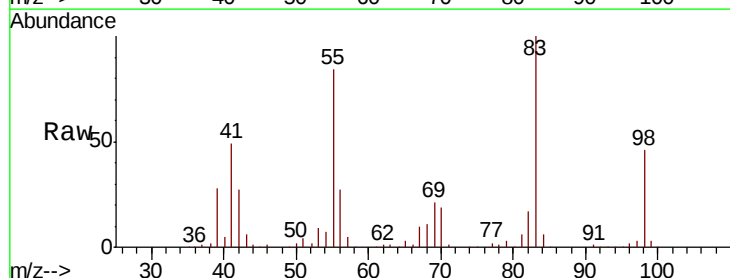
Tgt Ion: 83 Resp: 159226

Ion Ratio Lower Upper

83 100

55 85.0 68.1 102.1

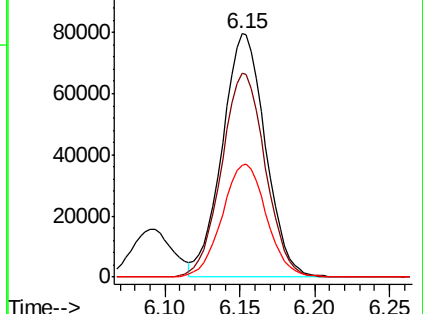
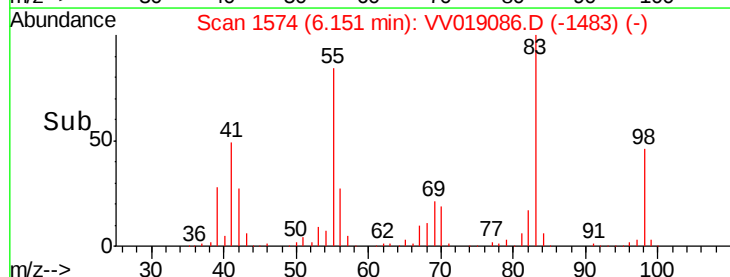
98 48.0 37.9 56.9

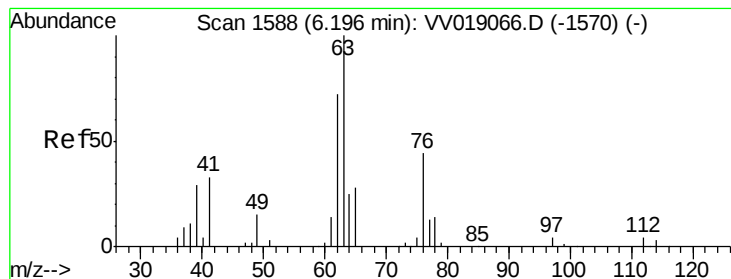


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 46.918 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

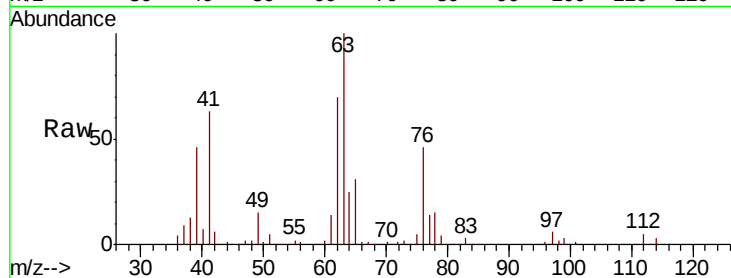
ClientSampleId :

Tot Ion: 63 Resp: 115435

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3

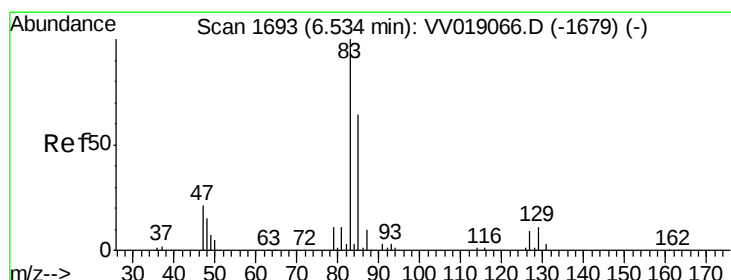
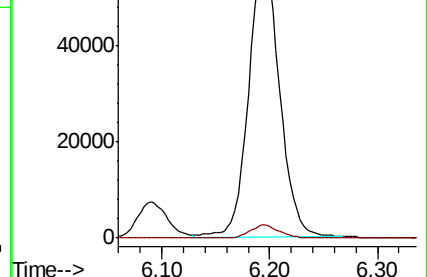
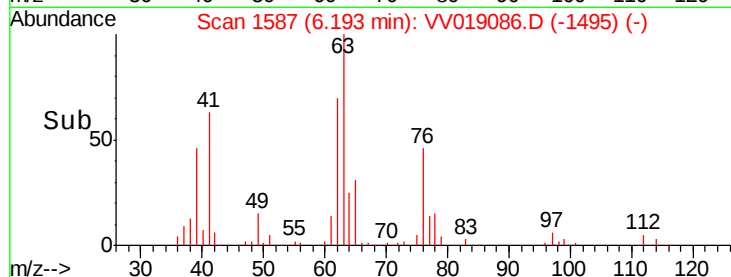


Abundance Ion 63.00 (62.70 to 63.70): VV019066.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV019066.D (-1570) (-)

6.19

6.10 6.20 6.30



#38

Bromodichloromethane

Concen: 48.524 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

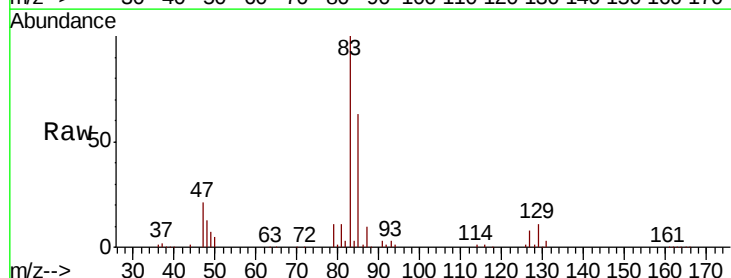
Tgt Ion: 83 Resp: 151056

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

127 8.3 7.0 10.4



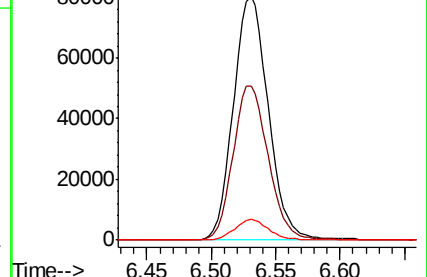
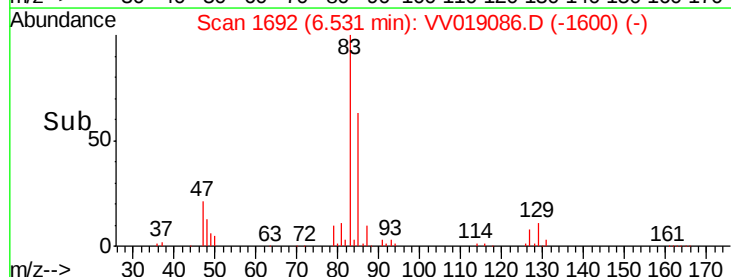
Abundance Ion 83.00 (82.70 to 83.70): VV019066.D (-1679) (-)

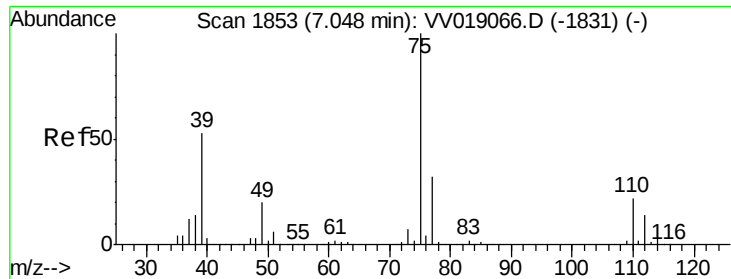
Ion 85.00 (84.70 to 85.70): VV019066.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV019066.D (-1679) (-)

6.53

6.45 6.50 6.55 6.60

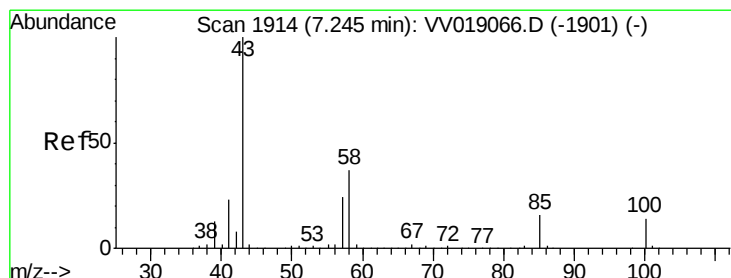
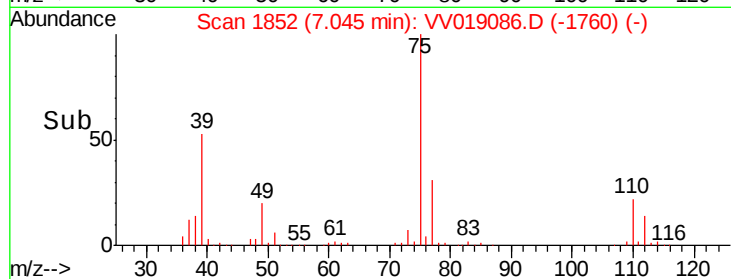
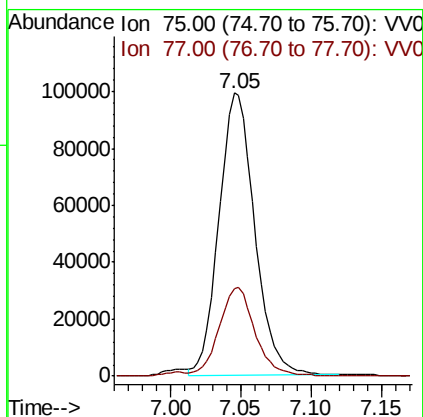
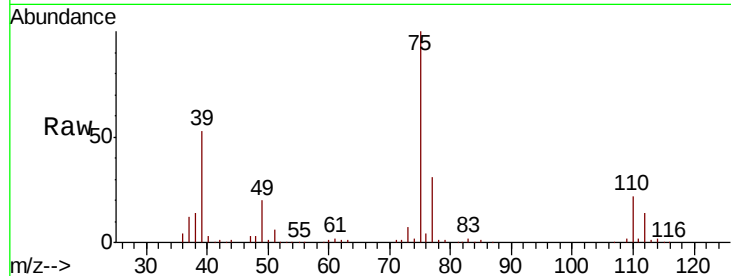




#39
 cis-1,3-Dichloropropene
 Concen: 48.078 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV019086.D
 Acq: 23 Oct 2020 10:09

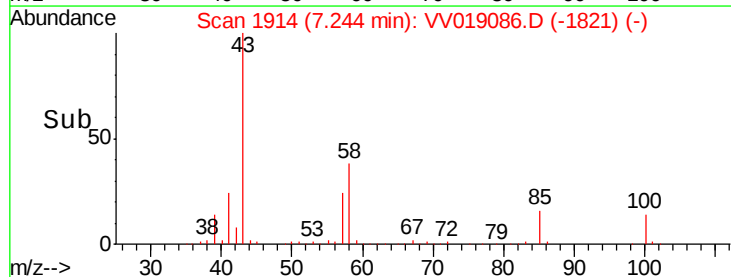
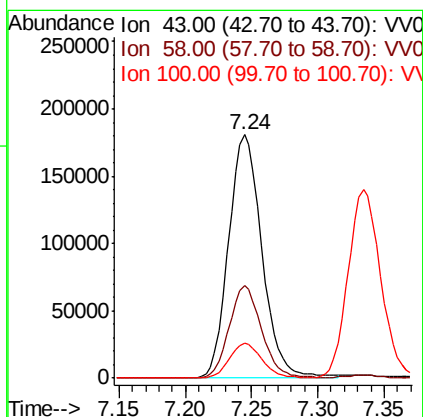
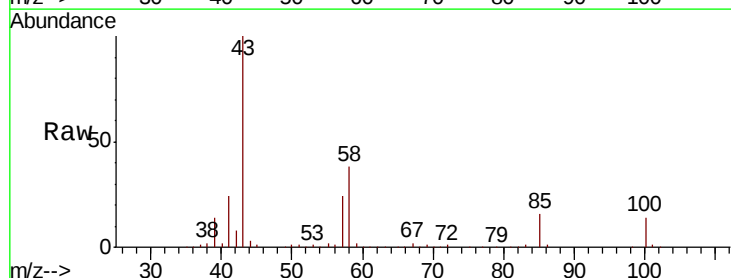
Instrument :
 MSVOA_V
 ClientSampled :

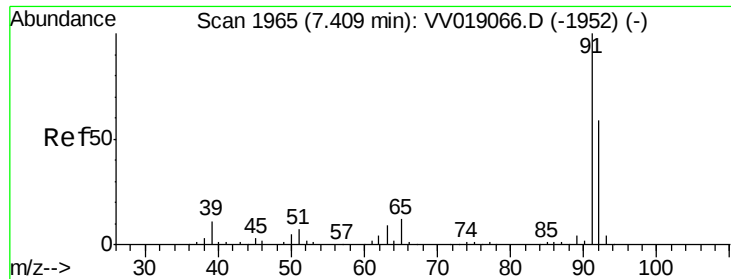
Tot Ion: 75 Resp: 174814
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 95.506 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV019086.D
 Acq: 23 Oct 2020 10:09

Tgt Ion: 43 Resp: 317010
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.6 44.4
 100 13.9 10.9 16.3





#42

Toluene

Concen: 49.936 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

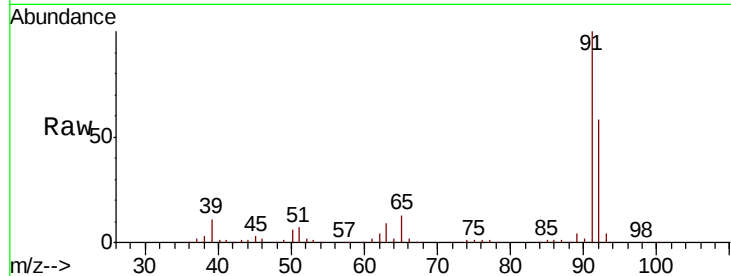
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 458071

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019066.D (-1952) (-)

7.41

250000

200000

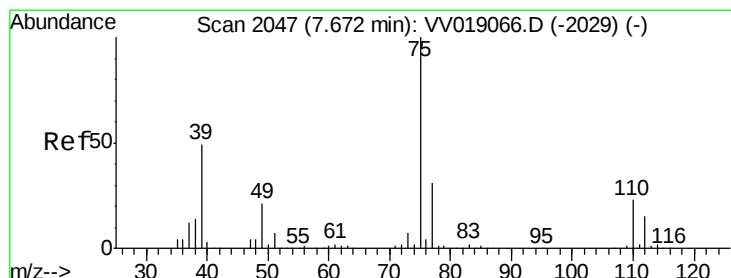
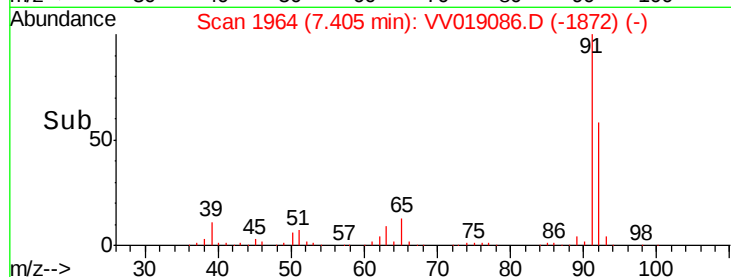
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.863 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019086.D

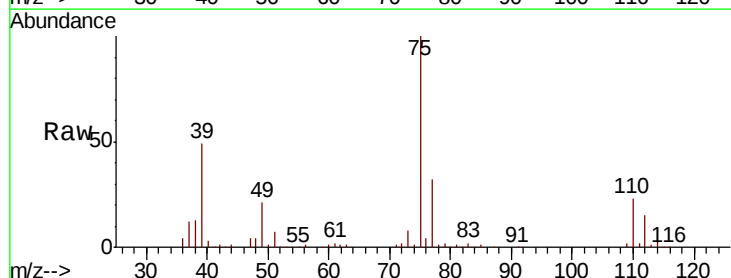
Acq: 23 Oct 2020 10:09

Tgt Ion: 75 Resp: 179871

Ion Ratio Lower Upper

75 100

77 32.1 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2029) (-)

7.67

120000

100000

80000

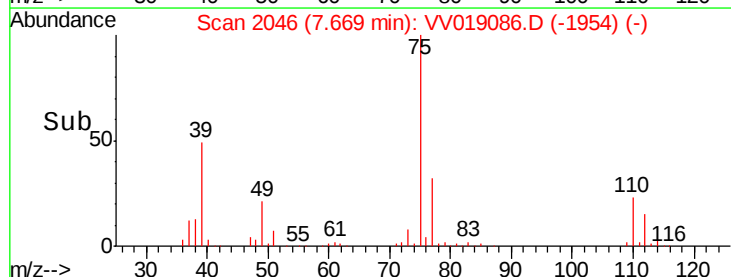
60000

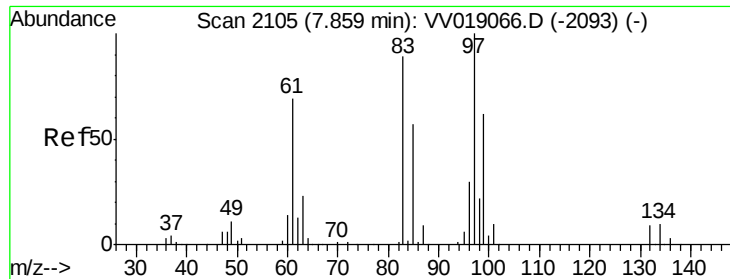
40000

20000

0

Time-->

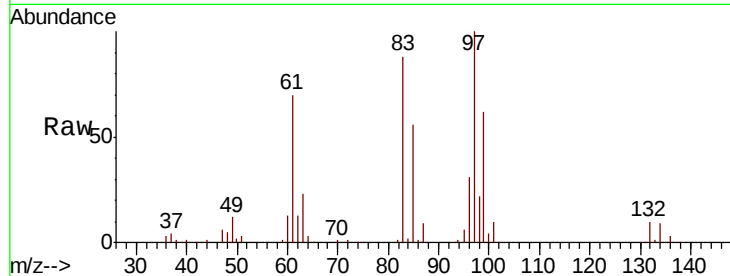




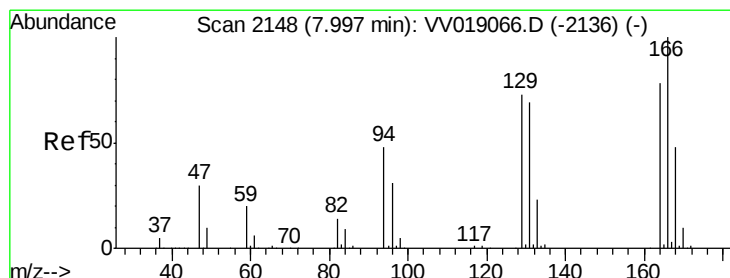
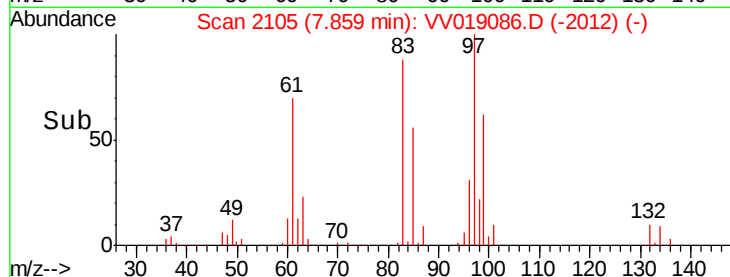
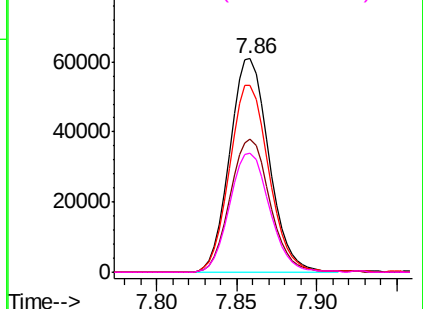
#45
1,1,2-Trichloroethane
Concen: 47.056 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	102252
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.5	80.9
83	87.7	62.2	115.4
85	56.0	39.9	74.1

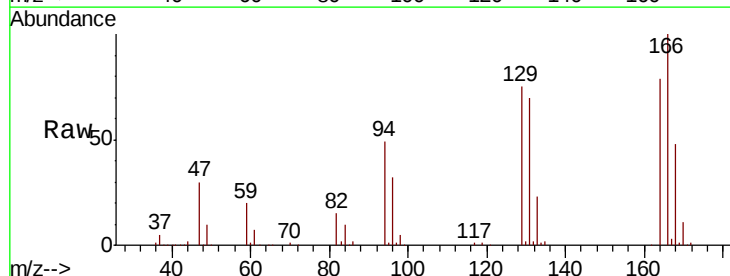


Abundance Ion 97.00 (96.70 to 97.70): VV019086.D (-2093) (-)
Ion 99.00 (98.70 to 99.70): VV019086.D (-2093) (-)
Ion 83.00 (82.70 to 83.70): VV019086.D (-2093) (-)
Ion 85.00 (84.70 to 85.70): VV019086.D (-2093) (-)

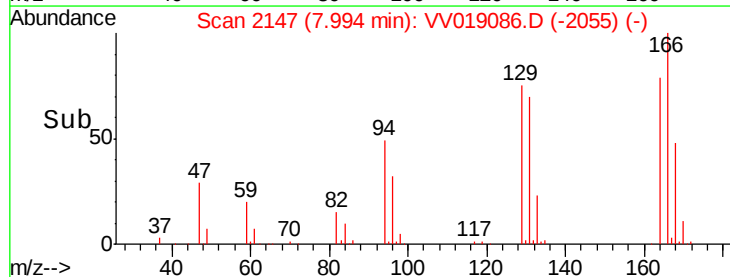
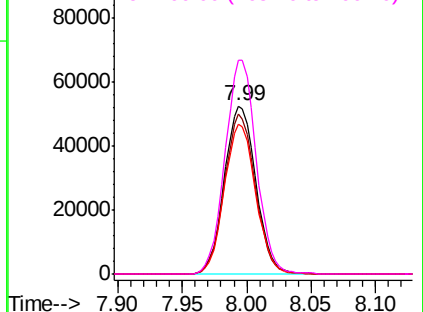


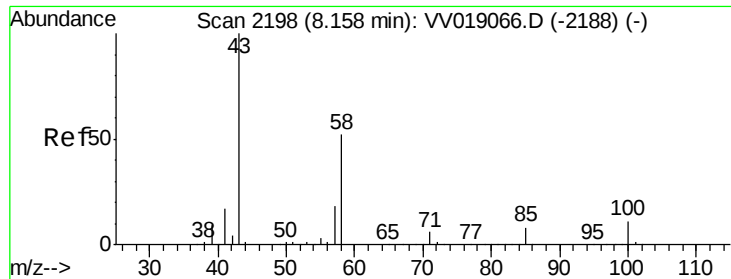
#46
Tetrachloroethene
Concen: 51.186 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion:	164	Resp:	88707
Ion	Ratio	Lower	Upper
164	100		
129	95.5	65.5	121.6
131	89.1	62.4	115.8
166	127.3	90.0	167.2



Abundance Ion 164.00 (163.70 to 164.70): VV019086.D (-2136) (-)
Ion 129.00 (128.70 to 129.70): VV019086.D (-2136) (-)
Ion 131.00 (130.70 to 131.70): VV019086.D (-2136) (-)
Ion 166.00 (165.70 to 166.70): VV019086.D (-2136) (-)

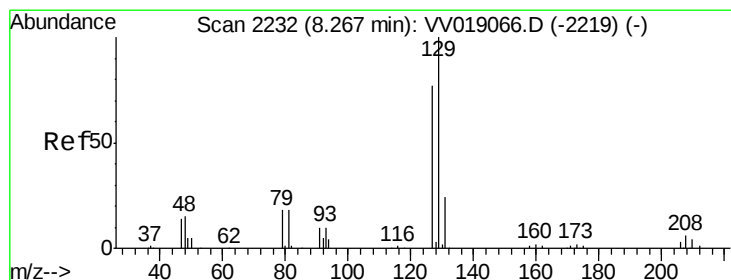
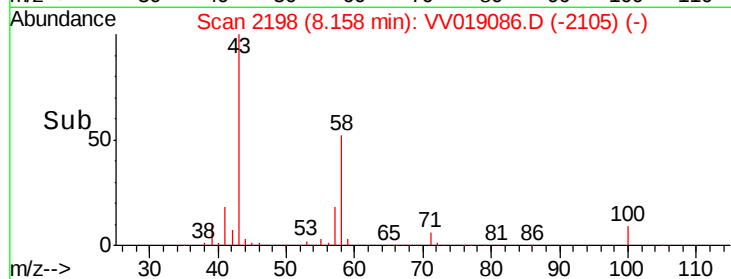
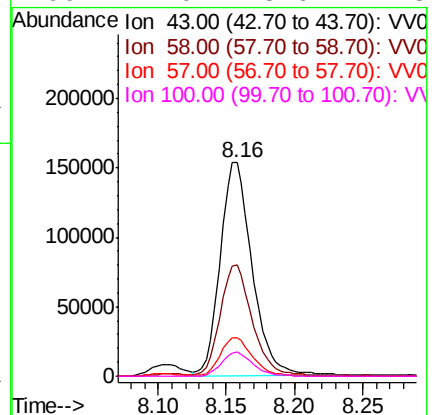
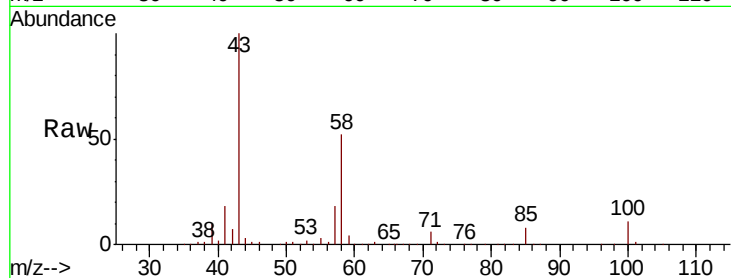




#48
2-Hexanone
Concen: 97.014 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

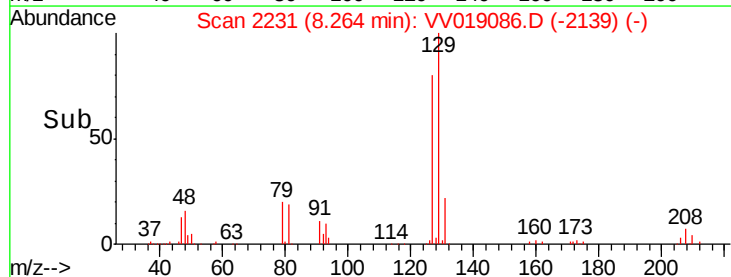
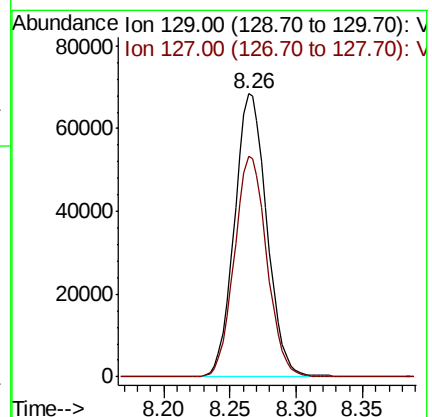
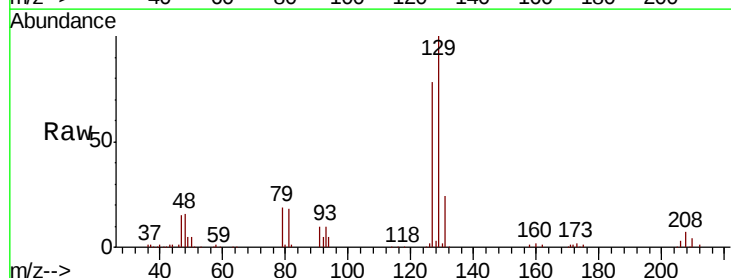
Instrument :
MSVOA_V
ClientSampled :

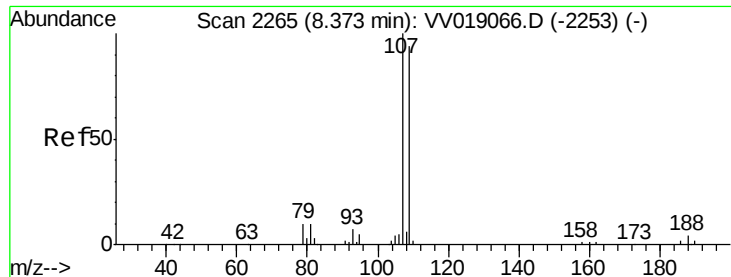
Tot Ion: 43 Resp: 248482
Ion Ratio Lower Upper
43 100
58 51.7 41.1 61.7
57 18.1 14.7 22.1
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 48.933 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion: 129 Resp: 116223
Ion Ratio Lower Upper
129 100
127 77.8 53.7 99.7

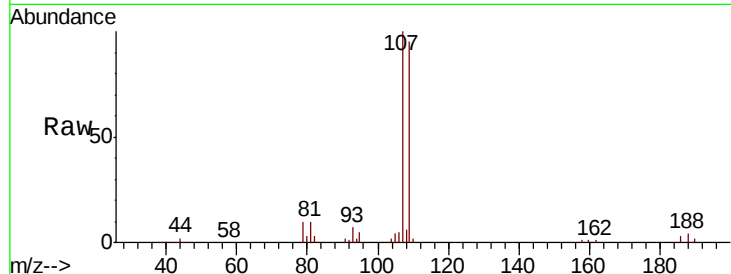




#50
1,2-Dibromoethane
Concen: 47.292 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.1	122.7
188	4.0	3.2	4.8

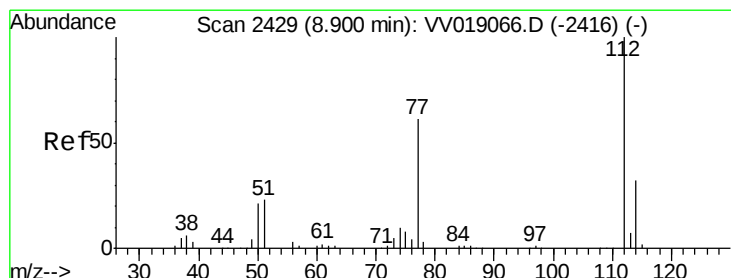
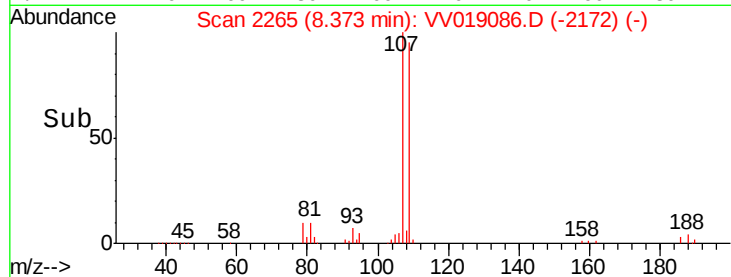
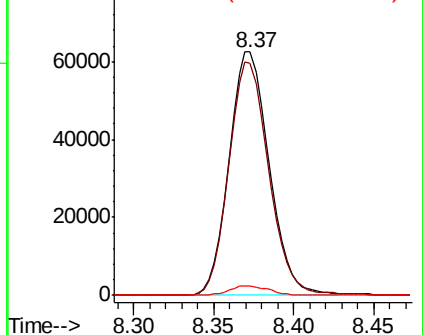


Abundance

Ion 107.00 (106.70 to 107.70): V

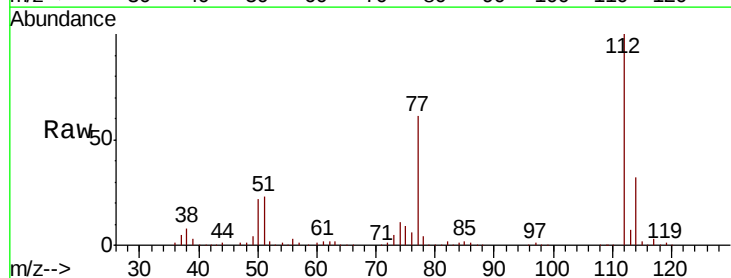
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 49.301 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019086.D
Acq: 23 Oct 2020 10:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	61.1	49.1	73.7

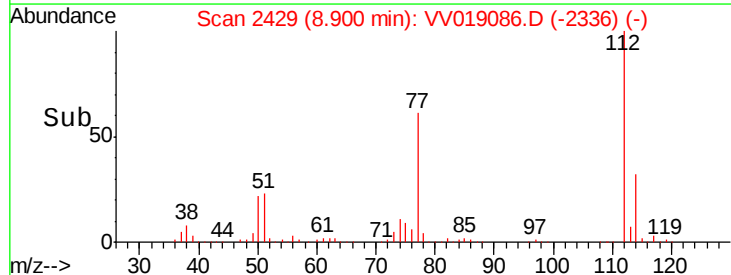
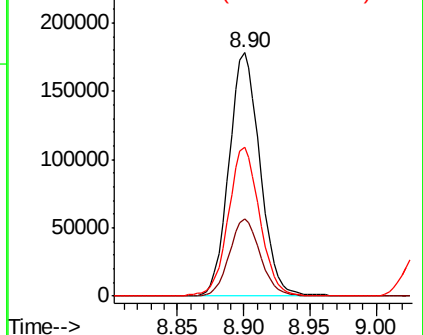


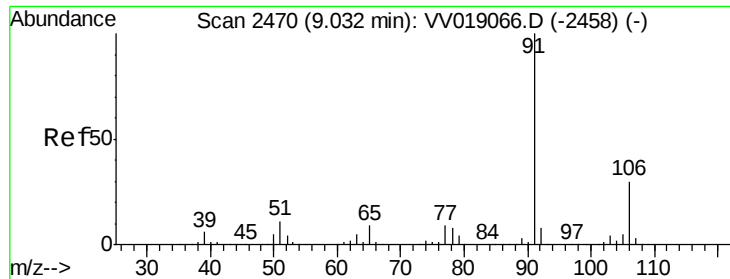
Abundance

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: 51.058 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

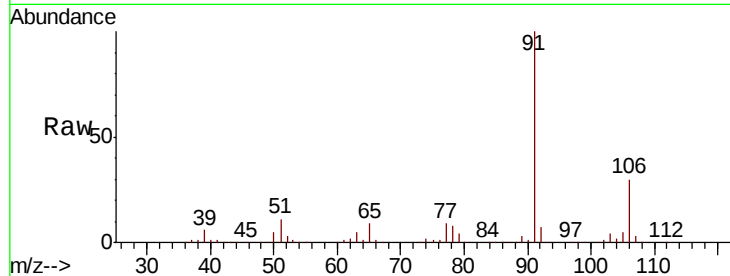
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 506467

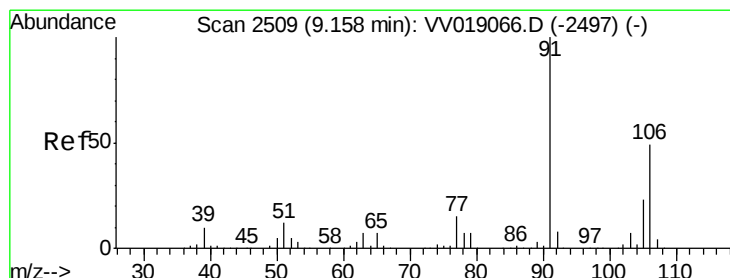
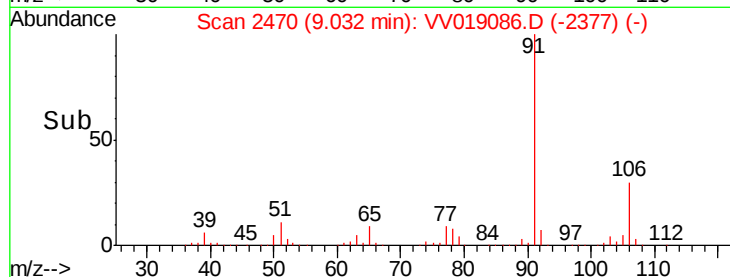
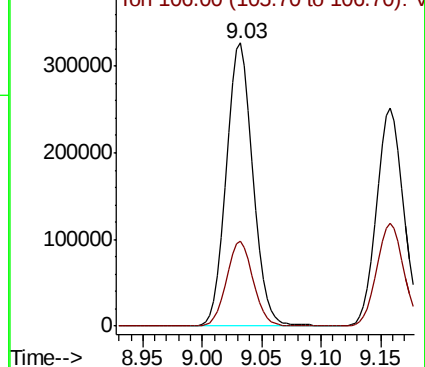
Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019086.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.025 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019086.D

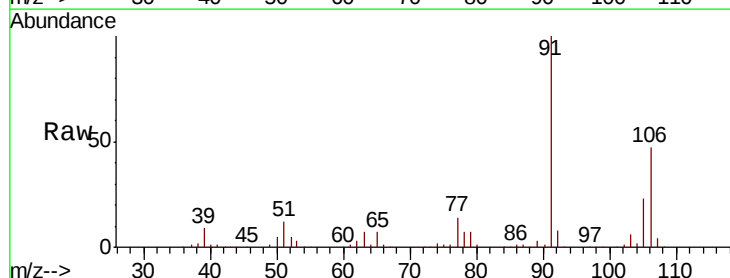
Acq: 23 Oct 2020 10:09

Tgt Ion: 106 Resp: 188919

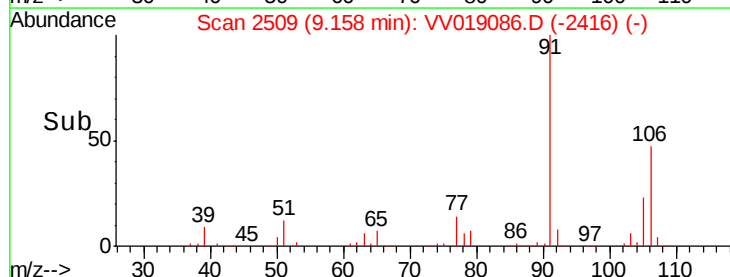
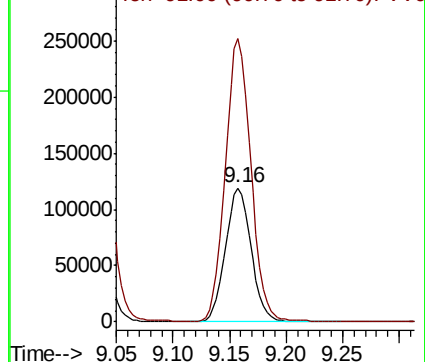
Ion Ratio Lower Upper

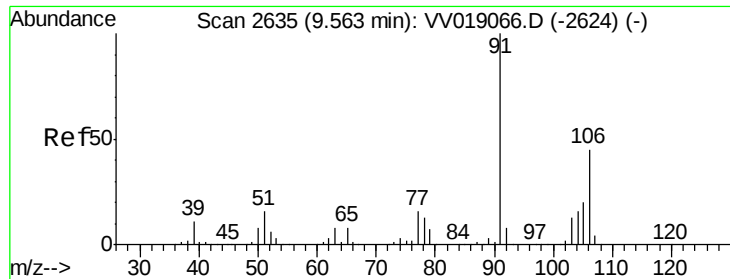
106 100

91 211.4 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019086.D (-2416) (-)





#54

o-xylene

Concen: 51.196 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

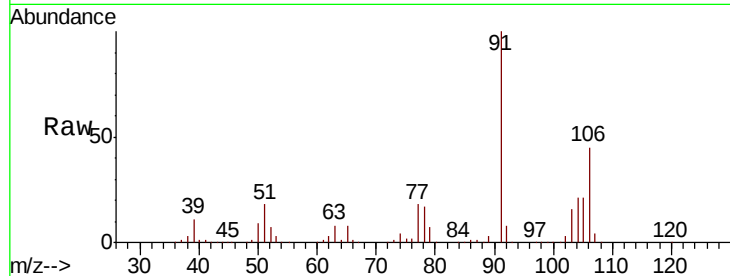
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 178999

Ion Ratio Lower Upper

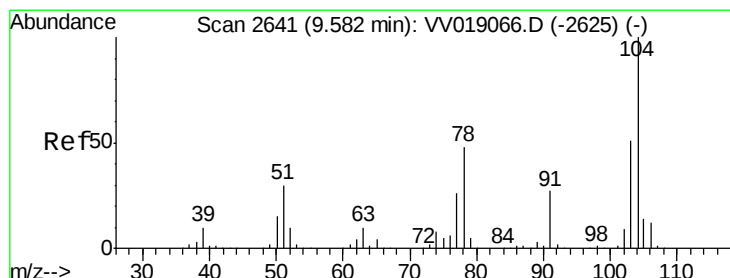
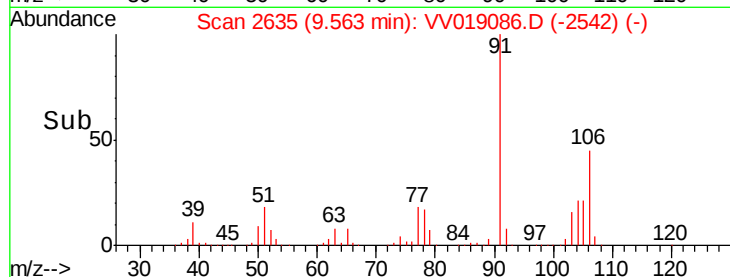
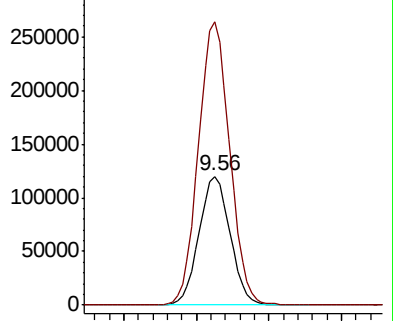
106 100

91 220.2 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.448 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019086.D

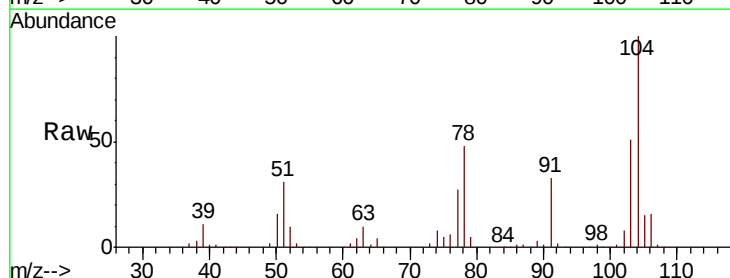
Acq: 23 Oct 2020 10:09

Tgt Ion:104 Resp: 325282

Ion Ratio Lower Upper

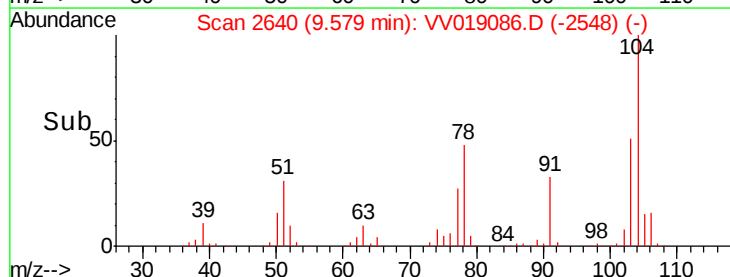
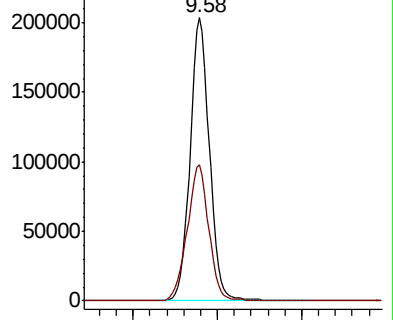
104 100

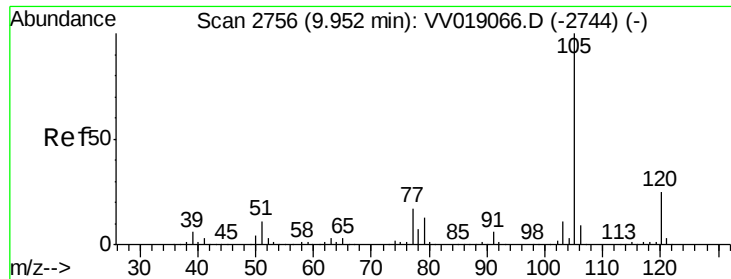
78 48.1 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.825 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

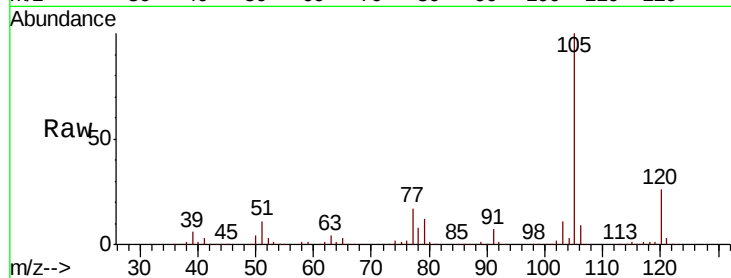
Tot Ion:105 Resp: 485642

Ion Ratio Lower Upper

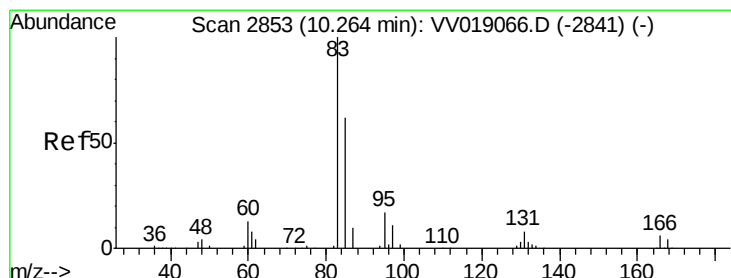
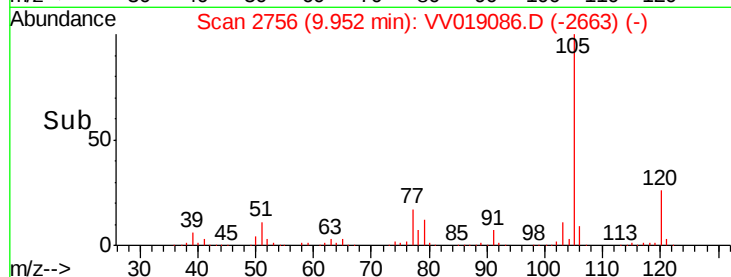
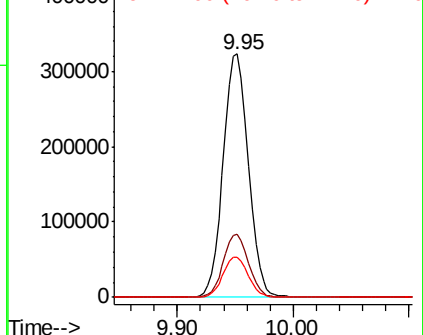
105 100

120 25.9 20.6 31.0

77 16.7 13.4 20.0



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: 46.468 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

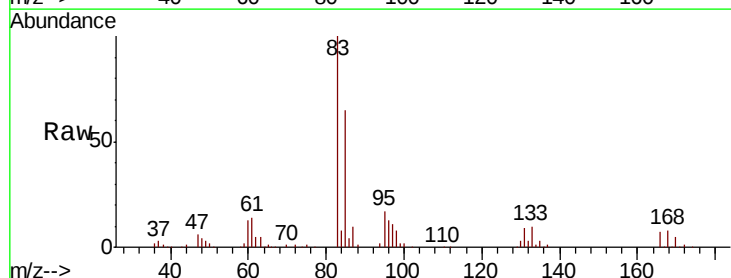
Tgt Ion: 83 Resp: 166149

Ion Ratio Lower Upper

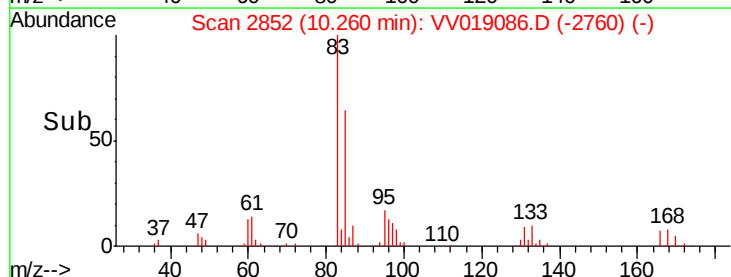
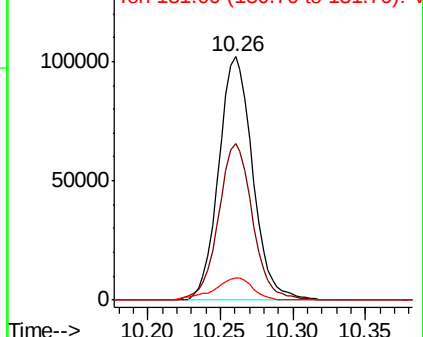
83 100

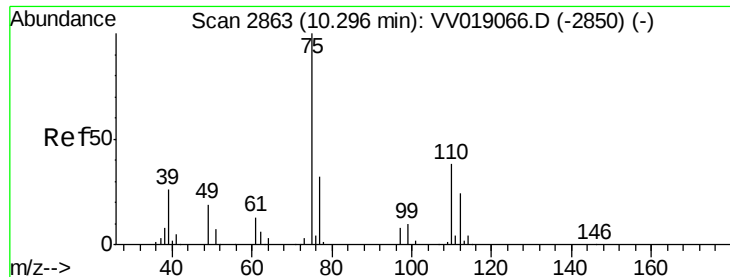
85 64.6 44.2 82.2

131 9.4 7.4 11.2



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: 46.358 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

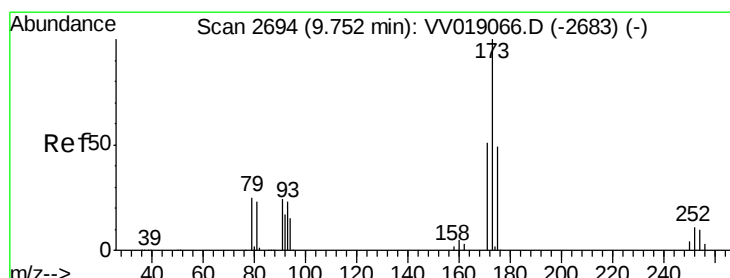
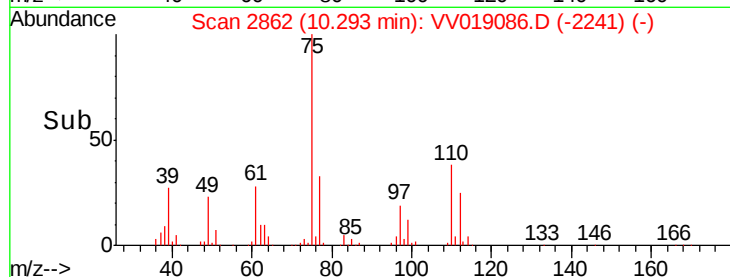
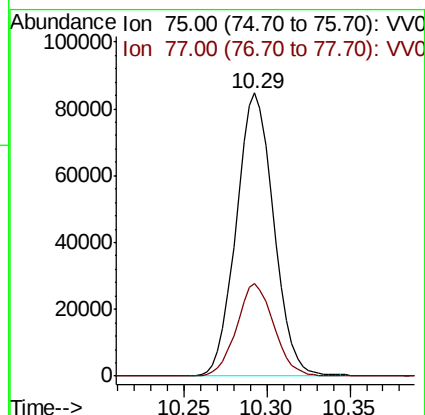
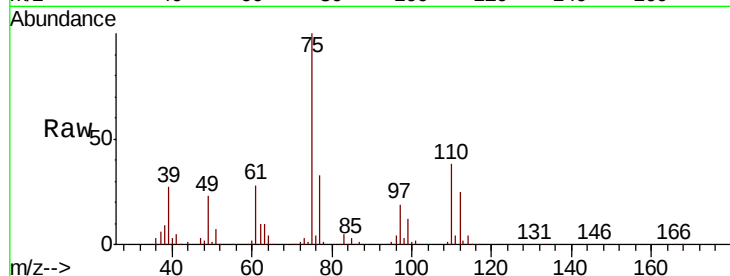
ClientSampleId :

Tot Ion: 75 Resp: 133363

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#61

Bromoform

Concen: 47.960 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

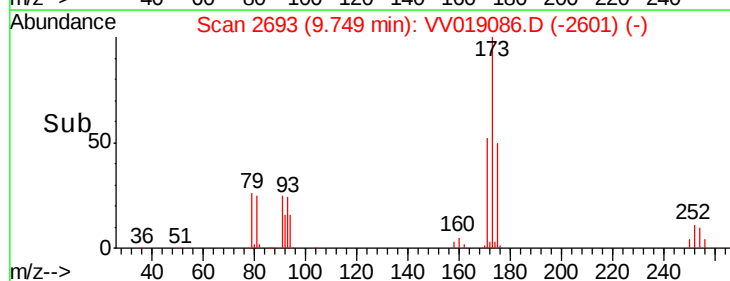
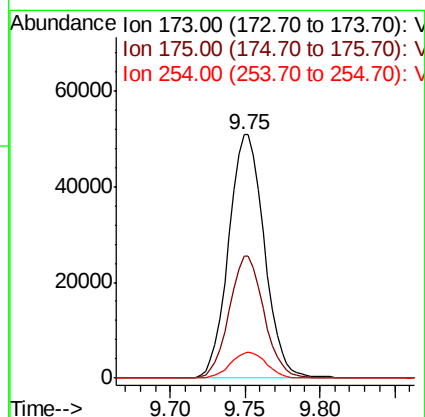
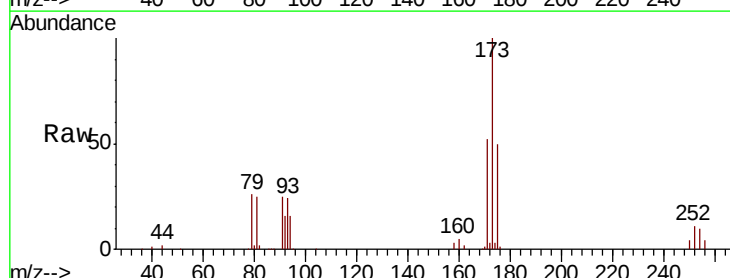
Tgt Ion: 173 Resp: 84489

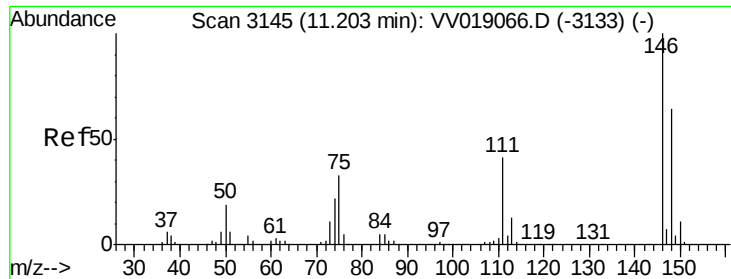
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 10.8 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 49.723 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

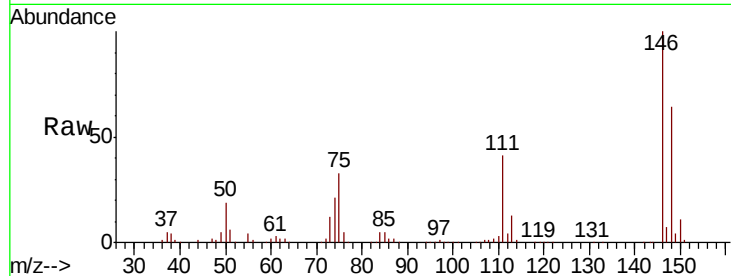
Tot Ion:146 Resp: 233411

Ion Ratio Lower Upper

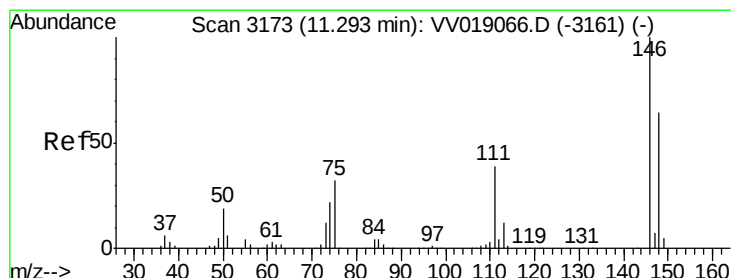
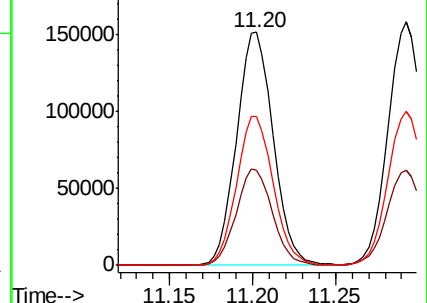
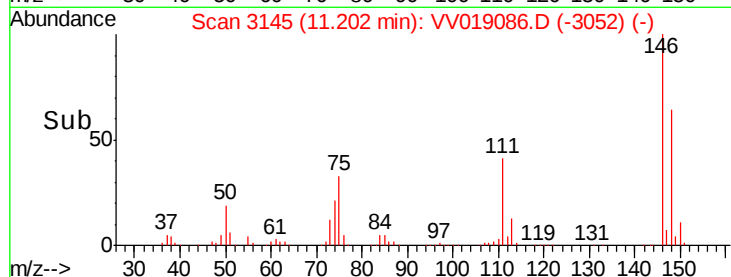
146 100

111 41.0 28.8 53.4

148 63.9 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.872 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

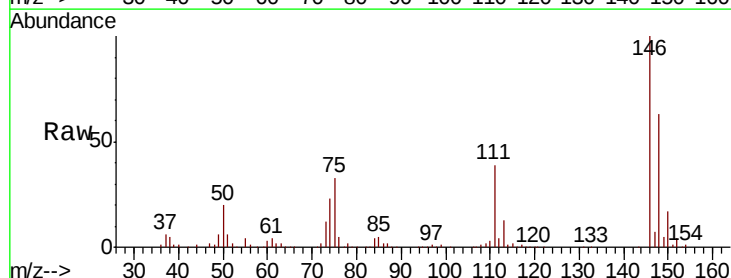
Tgt Ion:146 Resp: 239727

Ion Ratio Lower Upper

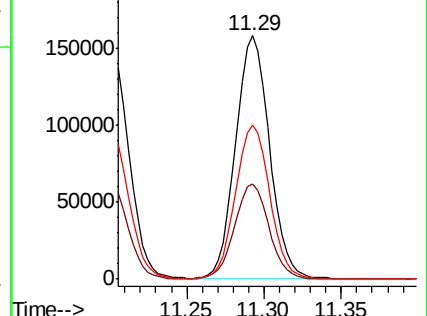
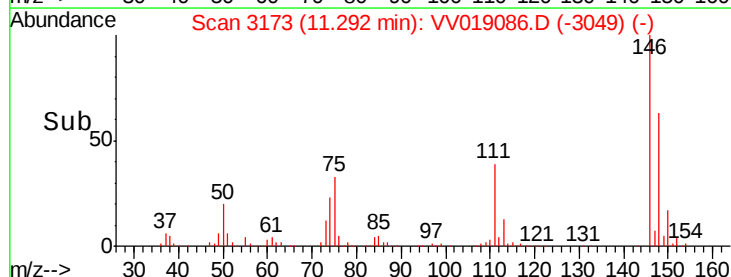
146 100

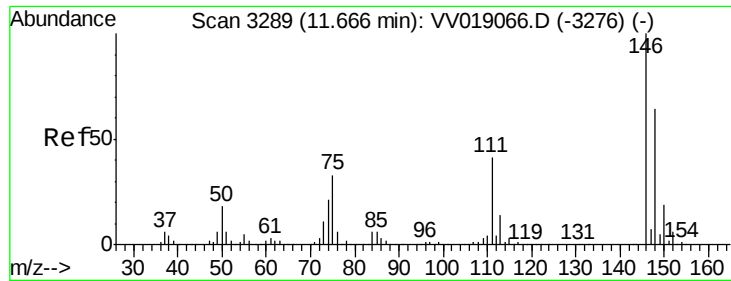
111 39.3 27.8 51.6

148 63.3 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.820 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

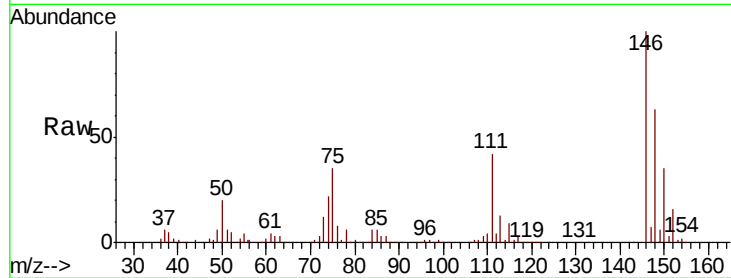
Tot Ion:146 Resp: 231067

Ion Ratio Lower Upper

146 100

111 42.2 33.3 49.9

148 63.3 51.1 76.7

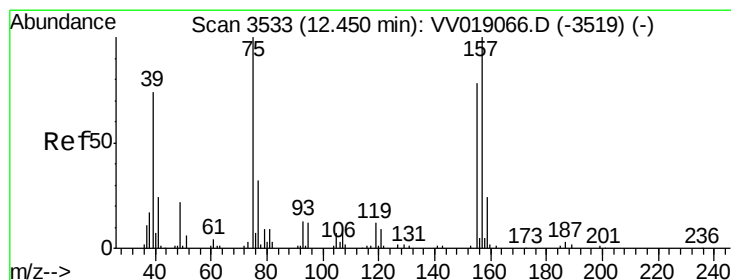
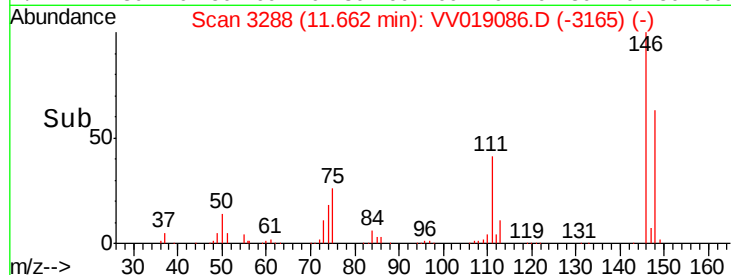
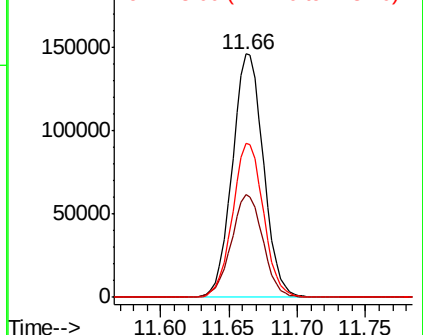


Abundance

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: 46.245 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

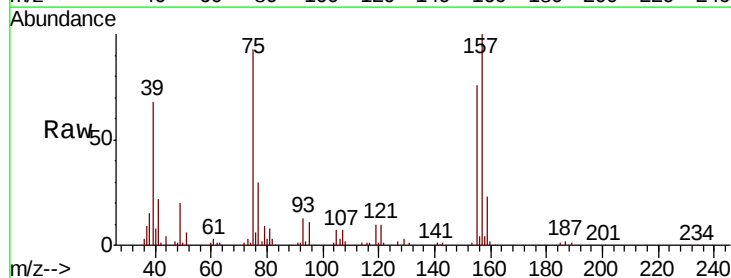
Tgt Ion: 75 Resp: 38670

Ion Ratio Lower Upper

75 100

155 81.9 62.2 93.4

157 107.2 79.9 119.9

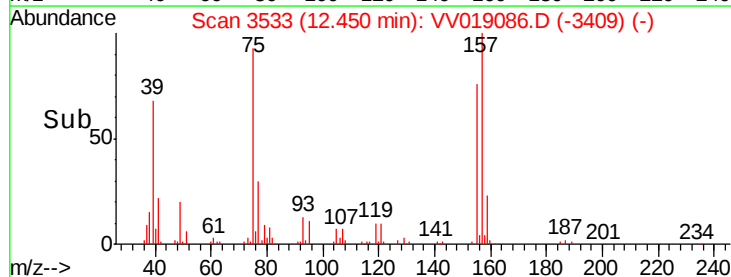
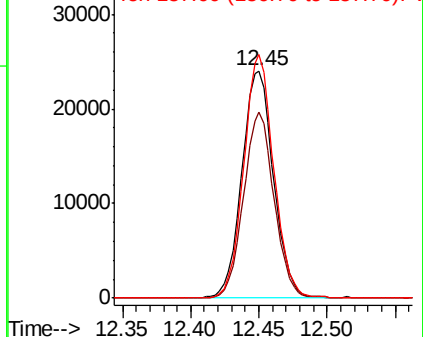


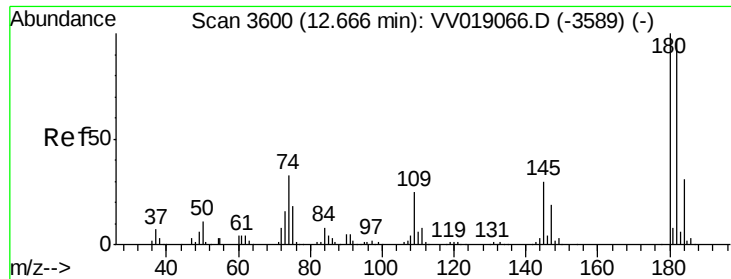
Abundance

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

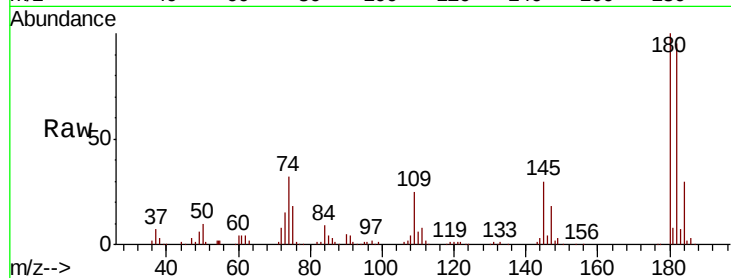




#67
 1,3,5-Trichlorobenzene
 Concen: 49.987 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019086.D
 Acq: 23 Oct 2020 10:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.4	116.0
184	30.3	24.7	37.1
145	29.8	23.5	35.3



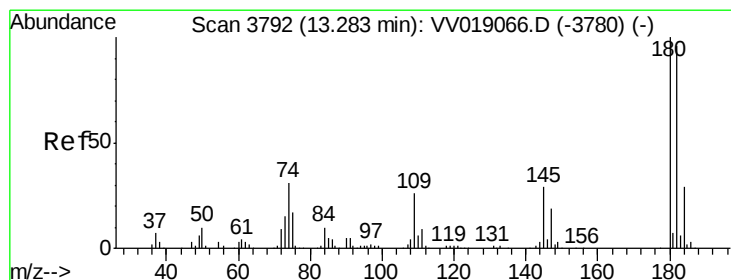
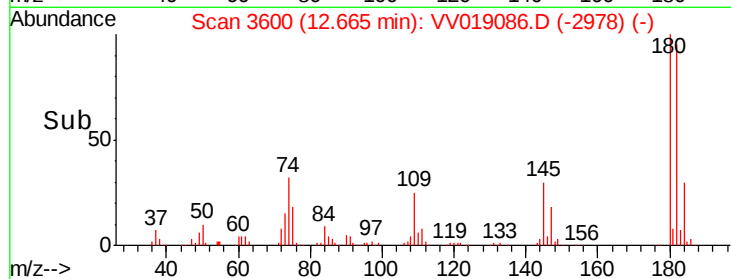
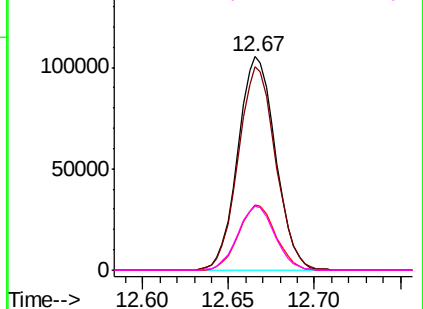
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

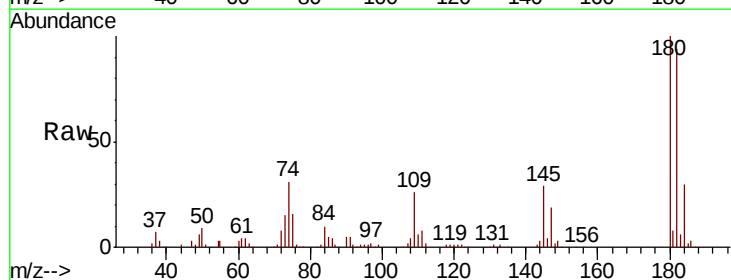
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.739 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019086.D
 Acq: 23 Oct 2020 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.4	116.2
145	29.2	23.7	35.5

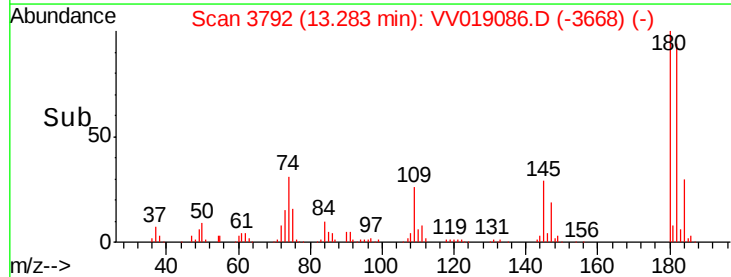
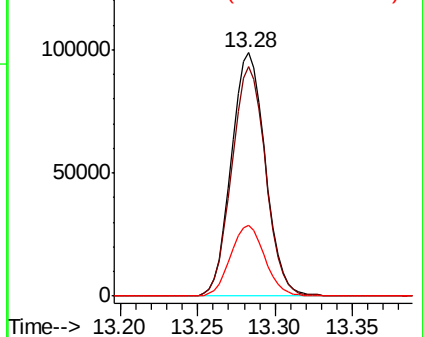


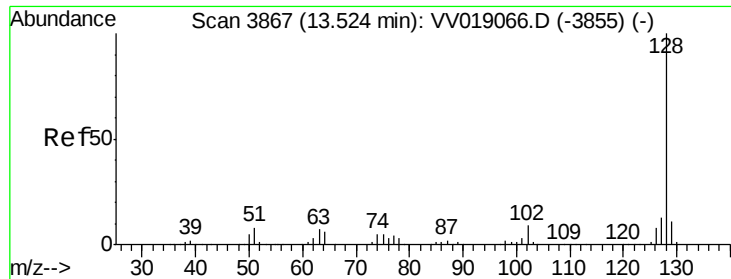
Abundance

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: 49.479 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :

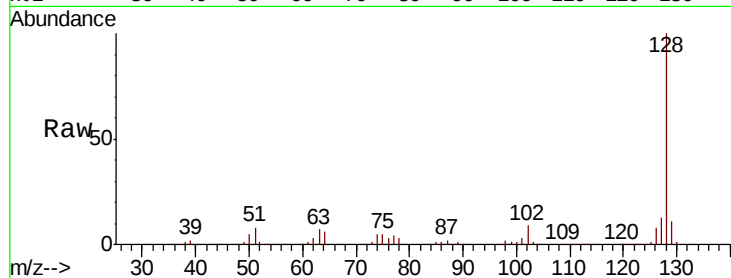
Tot Ion:128 Resp: 460806

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

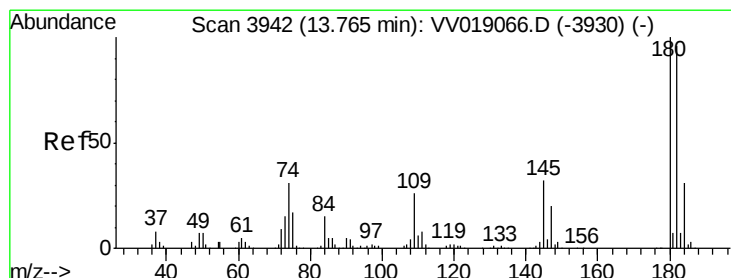
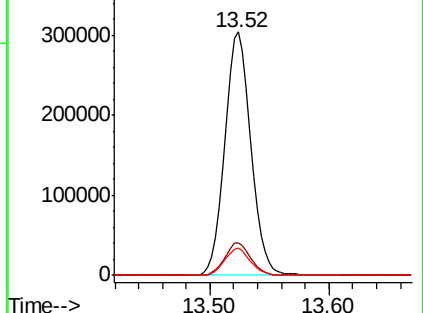
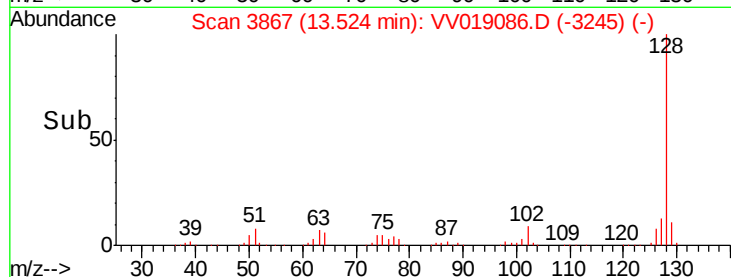
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.591 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019086.D

Acq: 23 Oct 2020 10:09

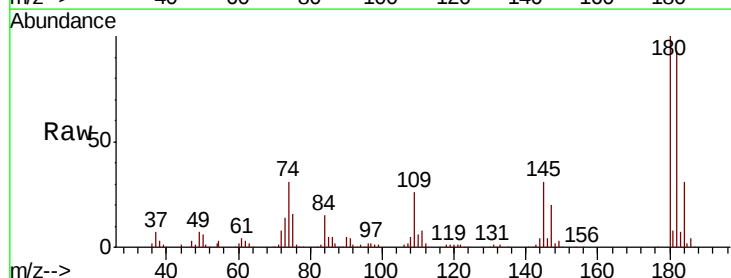
Tgt Ion:180 Resp: 151875

Ion Ratio Lower Upper

180 100

182 93.3 76.9 115.3

145 31.7 25.6 38.4



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

