

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019037.D
 Acq On : 21 Oct 2020 02:15
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 08:06:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 07:57:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284145	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	273916	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151320	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117009	50.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.06%
7) Chloroethane-d5	1.58	69	99320	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.12	63	234610	53.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.26%
21) 2-Butanone-d5	3.91	46	155660	95.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.48%
24) Chloroform-d	4.38	84	204114	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
26) 1,2-Dichloroethane-d4	5.06	65	138911	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
32) Benzene-d6	5.07	84	387576	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	6.09	67	124250	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.34	98	355094	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.64	79	60681	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.11	63	94461	99.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	149427	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	142935	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119244	48.465	ug/L 97
3) Chloromethane	1.25	50	138960	50.079	ug/L 99
5) Vinyl chloride	1.32	62	138432	51.616	ug/L 100
6) Bromomethane	1.53	94	84907	51.890	ug/L 99
8) Chloroethane	1.60	64	90422	56.214	ug/L 99
9) Trichlorofluoromethane	1.77	101	192453	54.367	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100343	54.436	ug/L 98
12) 1,1-Dichloroethene	2.13	96	102549	54.898	ug/L 98
13) Acetone	2.20	43	124599	104.590	ug/L 100
14) Carbon disulfide	2.31	76	313634	49.281	ug/L 100
15) Methyl Acetate	2.45	43	135347	55.306	ug/L 100
16) Methylene chloride	2.52	84	119952	53.526	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	106048	51.142	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	348735	53.229	ug/L 99
19) 1,1-Dichloroethane	3.21	63	201501	49.949	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	108227	49.244	ug/L 98
22) 2-Butanone	4.00	43	161800	99.889	ug/L 97

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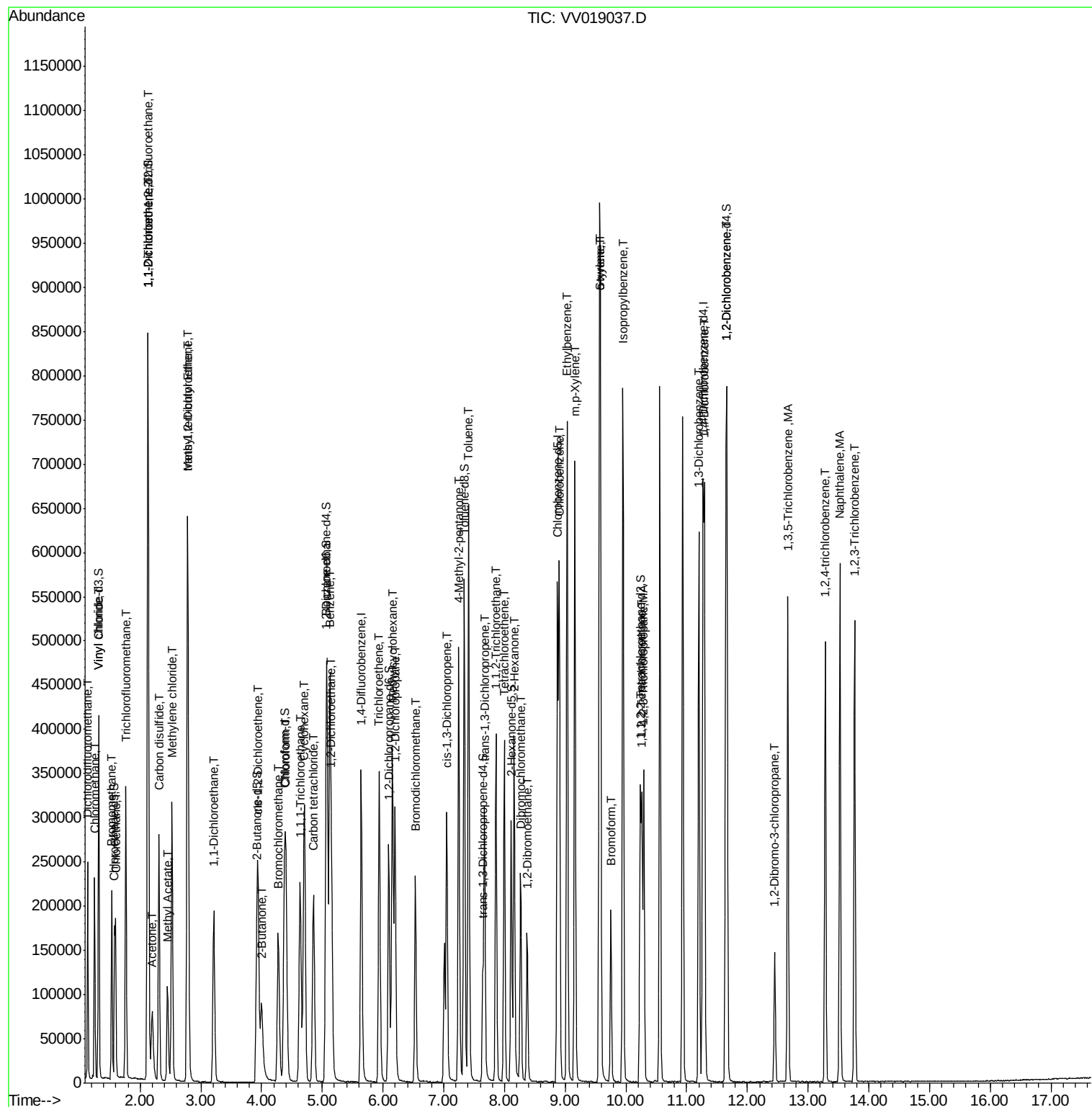
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	56692	49.947	ug/L	98
25) Chloroform	4.40	83	205536	50.667	ug/L	98
27) 1,2-Dichloroethane	5.15	62	167827	50.644	ug/L	100
29) Cyclohexane	4.70	56	168483	51.757	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	182870	53.803	ug/L	99
31) Carbon tetrachloride	4.86	117	157156	54.326	ug/L	100
33) Benzene	5.13	78	430216	51.236	ug/L	100
34) Trichloroethene	5.94	95	117826	48.660	ug/L	99
35) Methylcyclohexane	6.15	83	144237	49.184	ug/L	100
37) 1,2-Dichloropropane	6.20	63	117031	52.065	ug/L	99
38) Bromodichloromethane	6.53	83	152350	52.865	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	171157	50.675	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	322932	104.177	ug/L	99
42) Toluene	7.41	91	455154	52.483	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	170347	52.045	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	111214	53.191	ug/L	99
46) Tetrachloroethene	8.00	164	82440	48.310	ug/L	99
48) 2-Hexanone	8.16	43	249354	101.454	ug/L	98
49) Dibromochloromethane	8.27	129	115172	52.030	ug/L	97
50) 1,2-Dibromoethane	8.37	107	108181	49.647	ug/L	100
51) Chlorobenzene	8.90	112	283248	50.097	ug/L	99
52) Ethylbenzene	9.03	91	498030	53.049	ug/L	100
53) m,p-Xylene	9.16	106	183797	52.550	ug/L	98
54) o-xylene	9.56	106	178827	53.442	ug/L	97
55) Styrene	9.58	104	320125	54.391	ug/L	99
56) Isopropylbenzene	9.95	105	475199	54.095	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	144227	50.801	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	136159	50.043	ug/L	100
61) Bromoform	9.75	173	83986	50.808	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	231453	49.339	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	237624	48.181	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	231888	48.995	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34755	49.277	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	159183	50.515	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	147176	50.686	ug/L	98
69) Naphthalene	13.52	128	426722	51.784	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	151747	52.282	ug/L	100

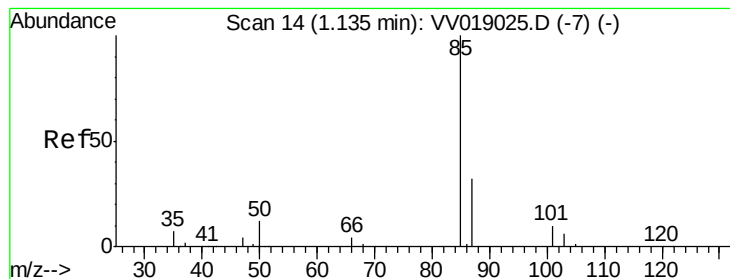
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.465 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

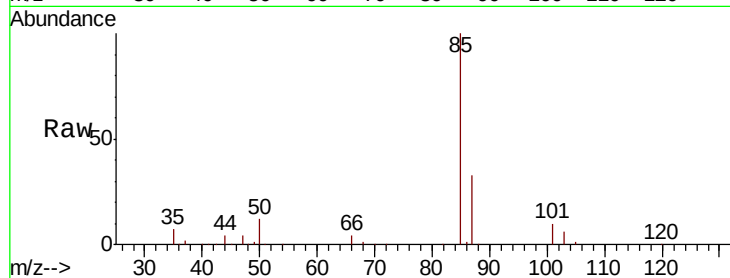
ClientSampled :

Tot Ion: 85 Resp: 119244

Ion Ratio Lower Upper

85 100

87 33.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019037.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019037.D (-1) (-)

1.14

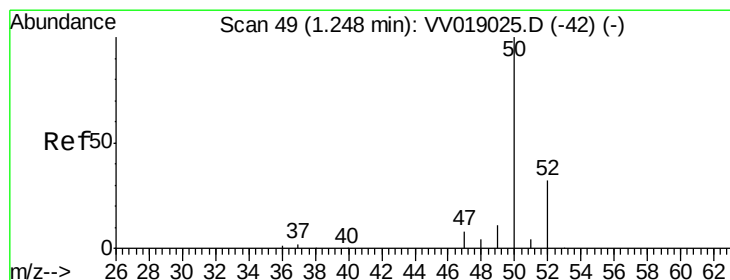
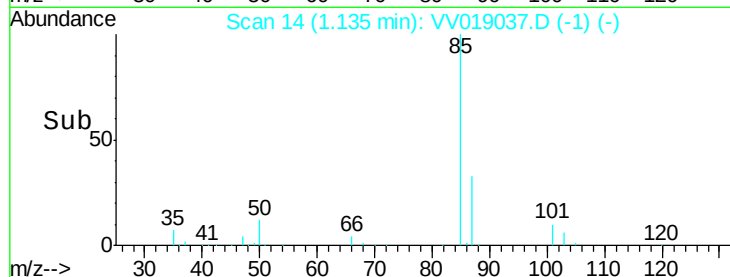
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.079 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019037.D

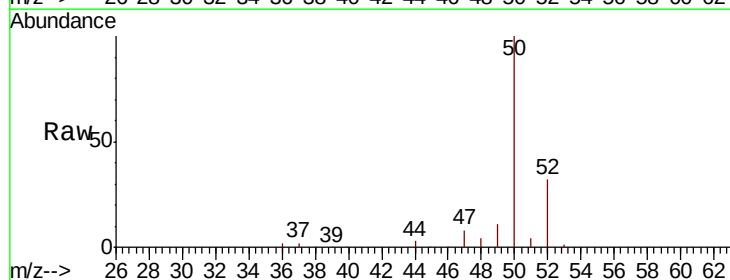
Acq: 21 Oct 2020 02:15

Tgt Ion: 50 Resp: 138960

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV019037.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019037.D (-1) (-)

1.25

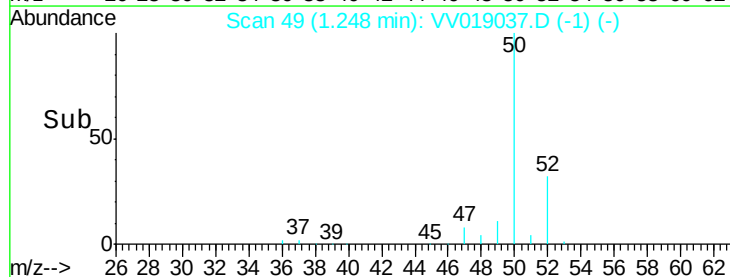
150000

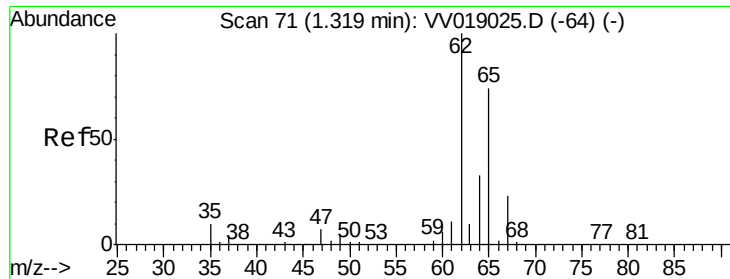
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.616 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

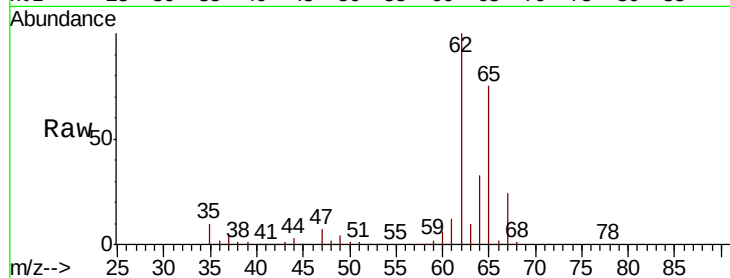
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 138432

Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

150000

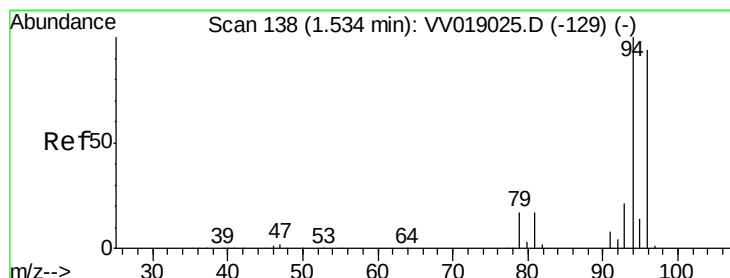
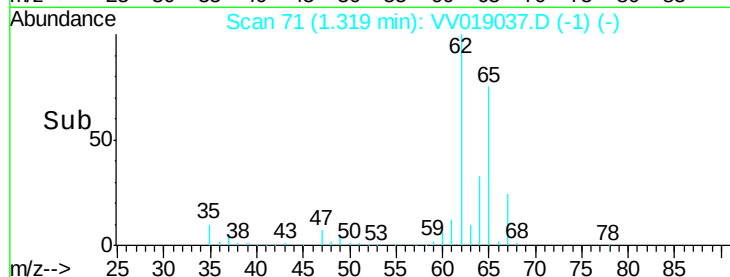
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 51.890 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019037.D

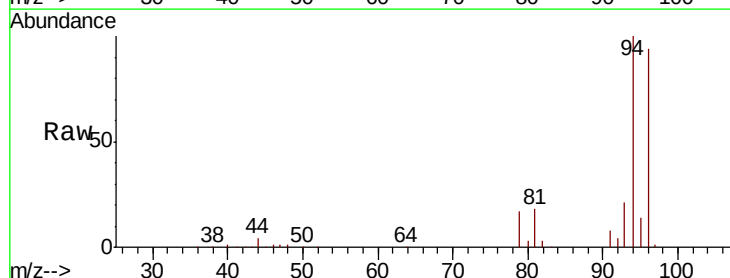
Acq: 21 Oct 2020 02:15

Tgt Ion: 94 Resp: 84907

Ion Ratio Lower Upper

94 100

96 94.3 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

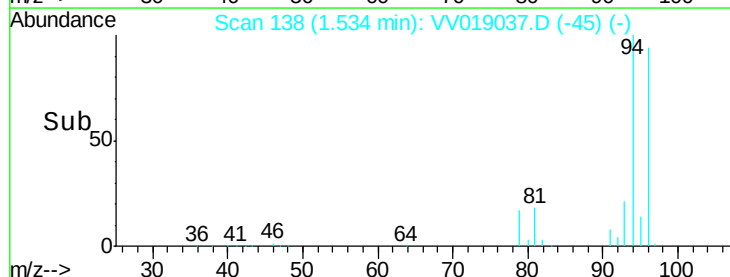
40000

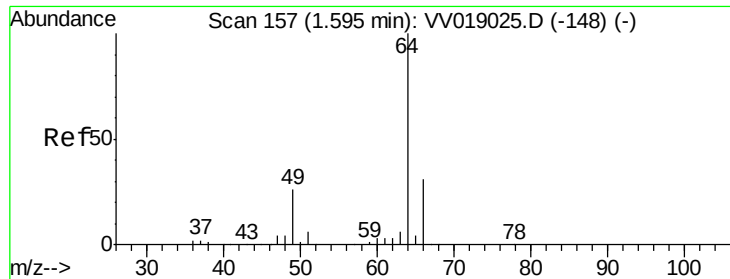
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 56.214 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

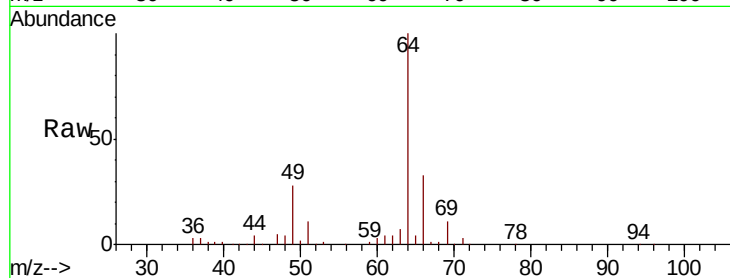
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 90422

Ion Ratio Lower Upper

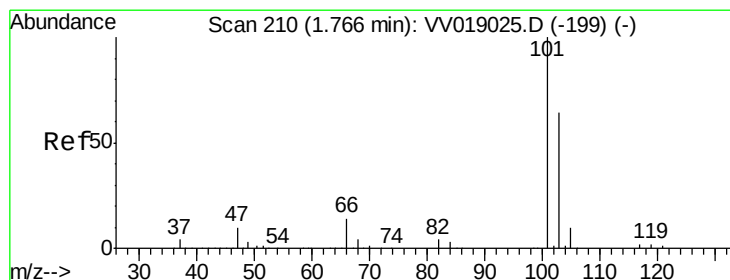
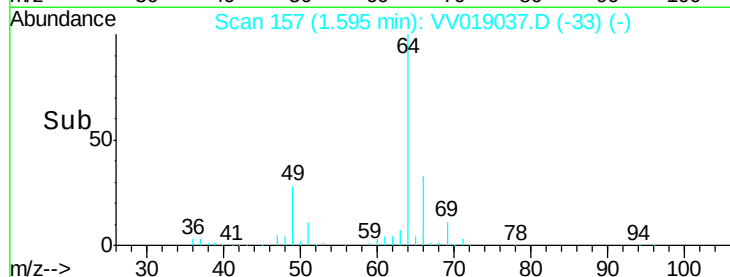
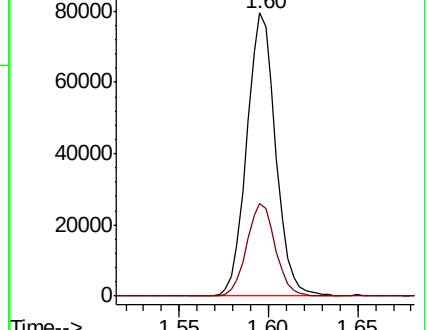
64 100

66 32.7 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV019025.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019025.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 54.367 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019037.D

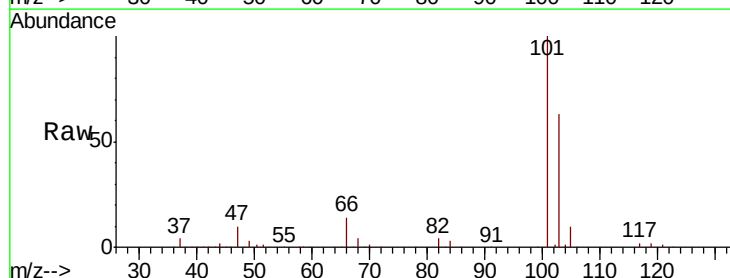
Acq: 21 Oct 2020 02:15

Tgt Ion: 101 Resp: 192453

Ion Ratio Lower Upper

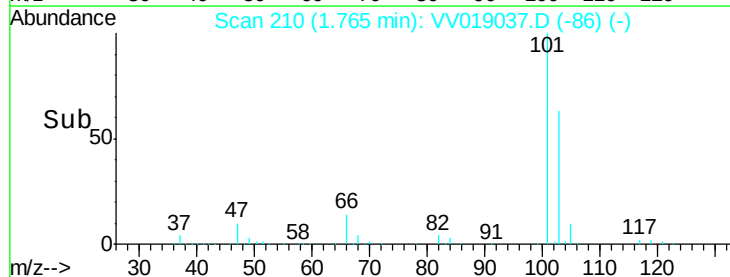
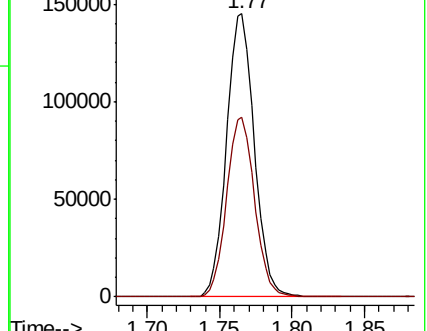
101 100

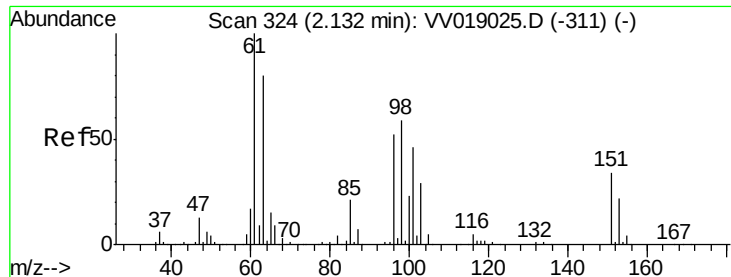
103 63.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019025.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019025.D (-199) (-)





#10

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

Concen: 54.436 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

ClientSampleId :

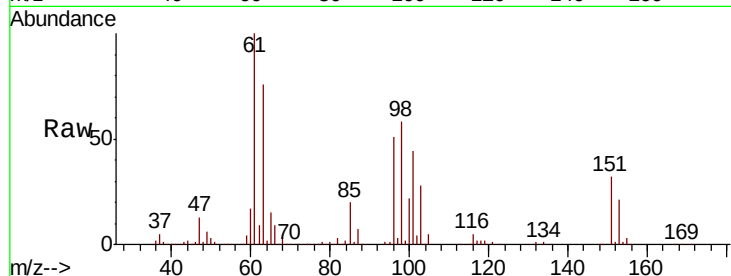
Tot Ion:101 Resp: 100343

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.4

151 74.1 59.7 89.5



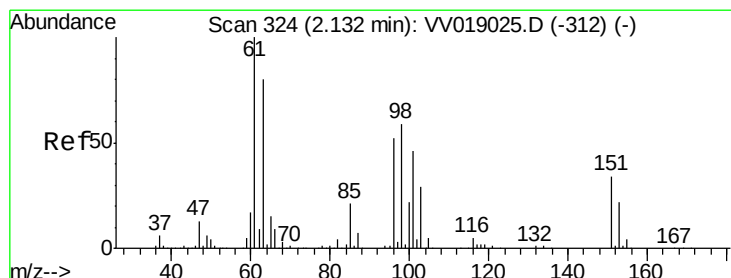
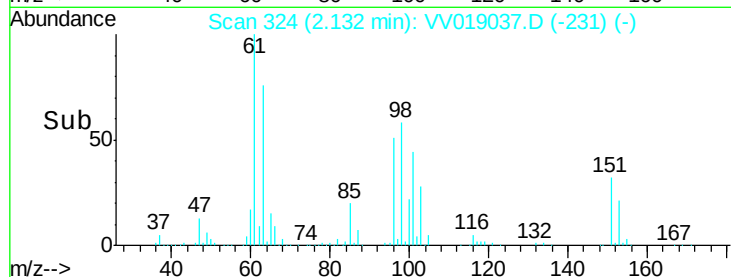
Abundance Ion 101.00 (100.70 to 101.70): VV019037.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV019037.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV019037.D (-231) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 54.898 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

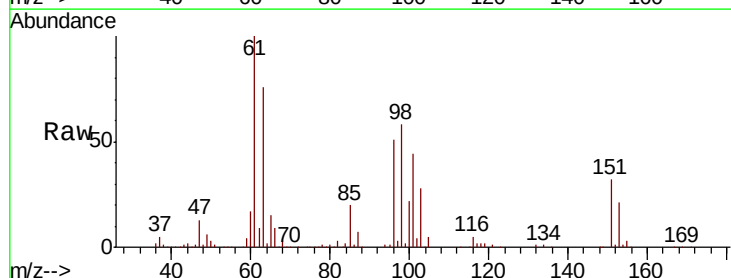
Tgt Ion: 96 Resp: 102549

Ion Ratio Lower Upper

96 100

61 194.6 133.5 247.9

63 148.6 102.1 189.7



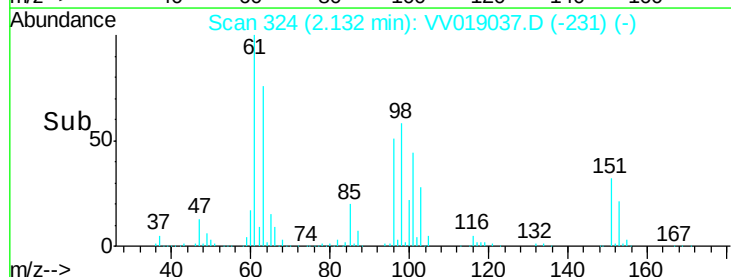
Abundance Ion 96.00 (95.70 to 96.70): VV019037.D (-231) (-)

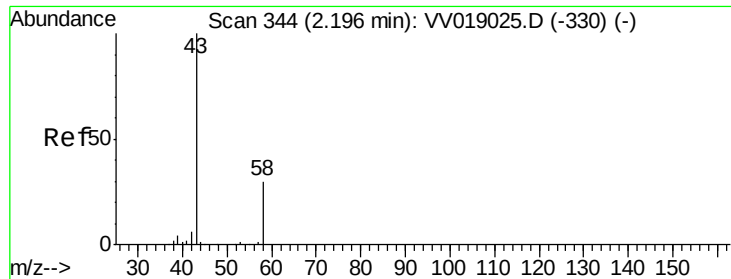
Ion 61.00 (60.70 to 61.70): VV019037.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019037.D (-231) (-)

2.13

Time-->





#13

Acetone

Concen: 104.590 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

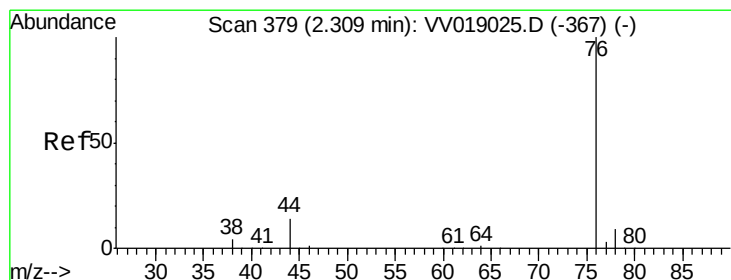
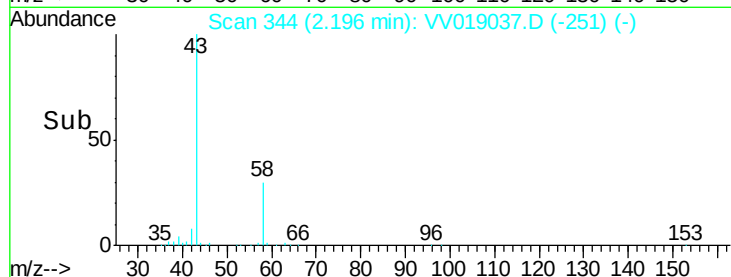
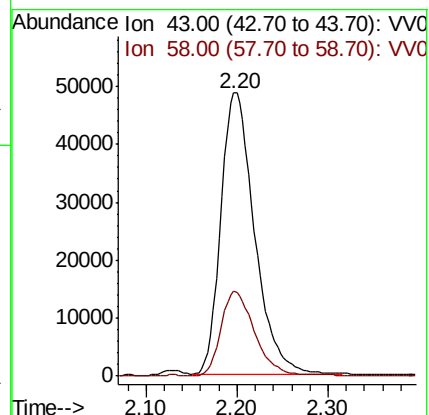
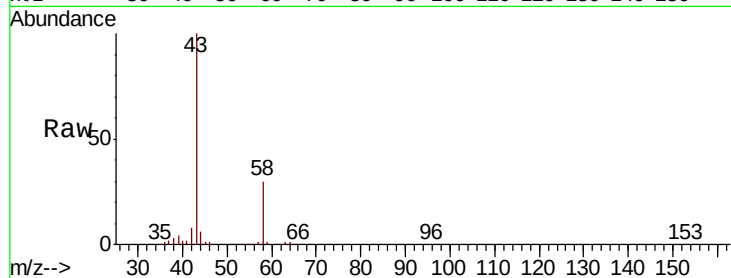
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 124599

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.8



#14

Carbon disulfide

Concen: 49.281 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019037.D

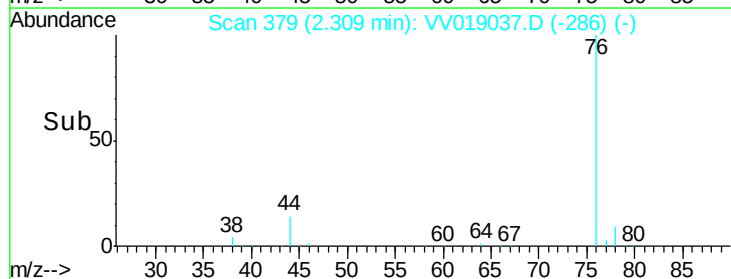
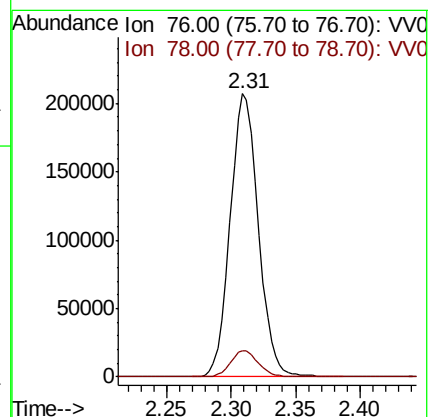
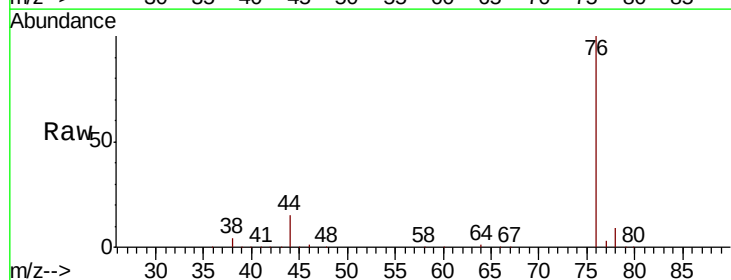
Acq: 21 Oct 2020 02:15

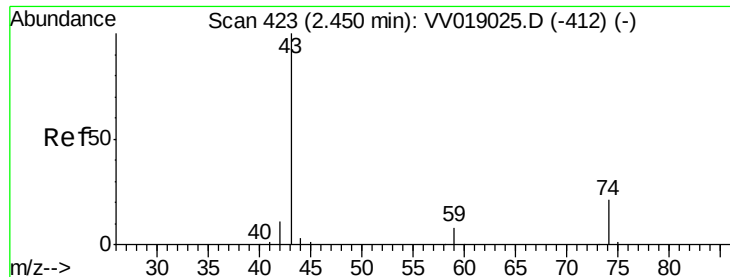
Tgt Ion: 76 Resp: 313634

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methvl Acetate

Concen: 55.306 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

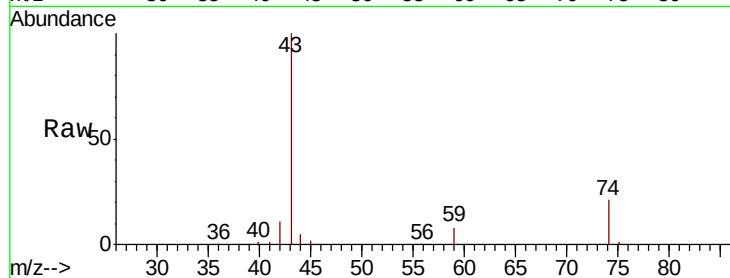
ClientSampleId :

Tot Ion: 43 Resp: 135347

Ion Ratio Lower Upper

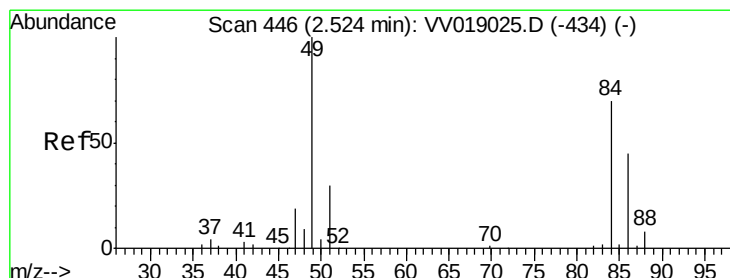
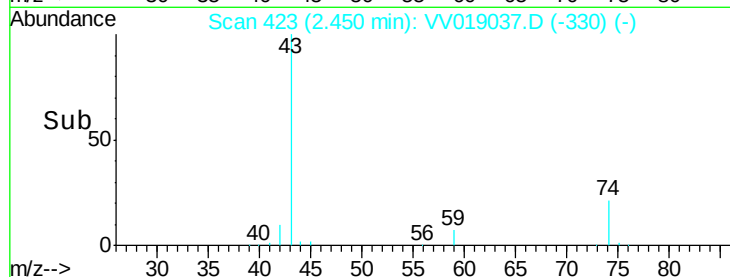
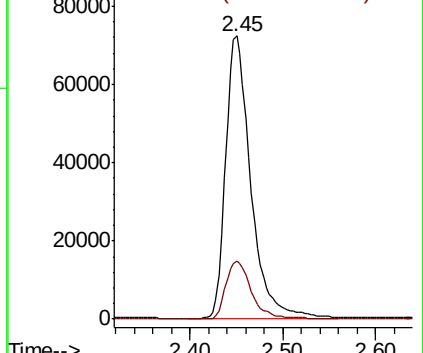
43 100

74 21.1 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 53.526 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

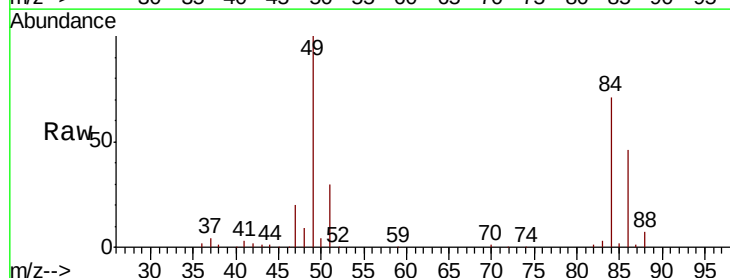
Tgt Ion: 84 Resp: 119952

Ion Ratio Lower Upper

84 100

86 65.1 46.6 86.6

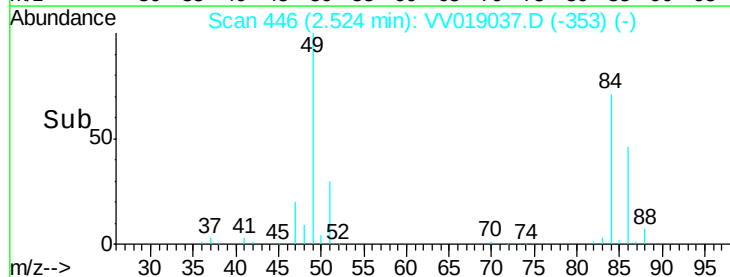
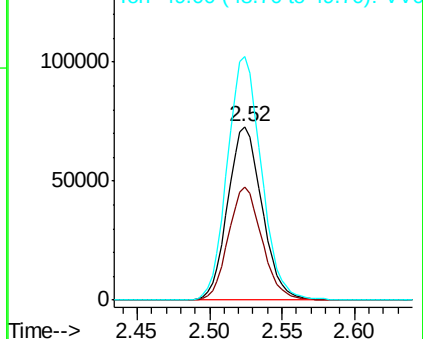
49 140.3 96.1 178.5

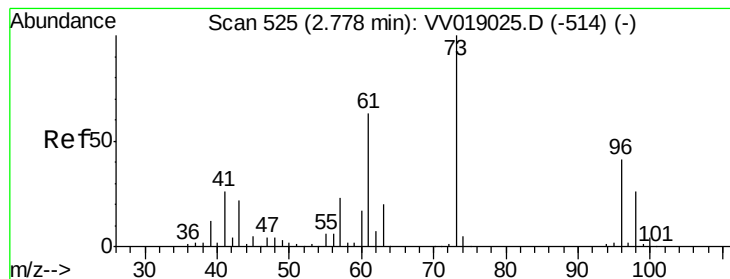


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 51.142 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

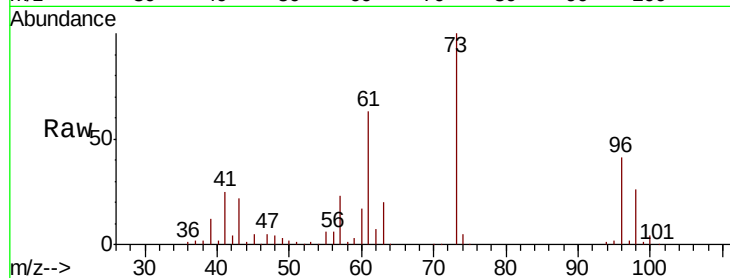
Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 106048

Ion	Ratio	Lower	Upper
96	100		
61	152.7	102.8	190.8
98	62.0	44.0	81.6

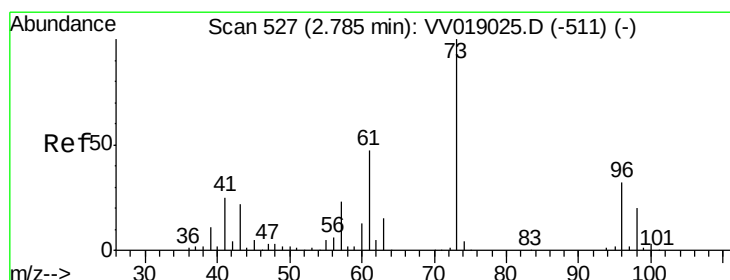
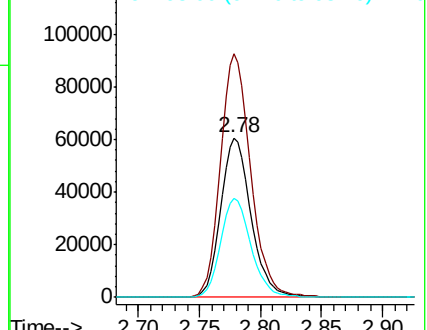
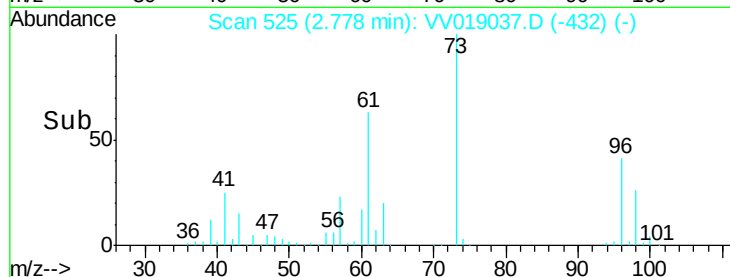


Abundance

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: 53.229 ug/L

RT: 2.78 min Scan# 527

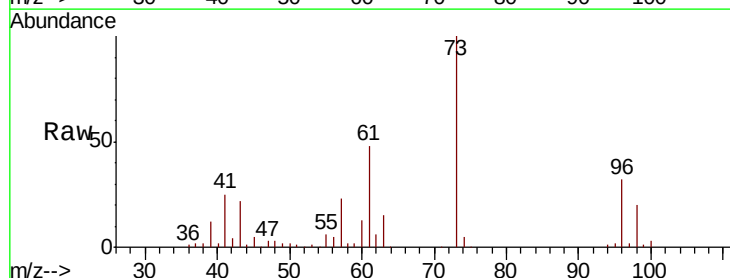
Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Tgt Ion: 73 Resp: 348735

Ion	Ratio	Lower	Upper
73	100		
43	21.8	16.9	25.3
57	23.1	18.3	27.5

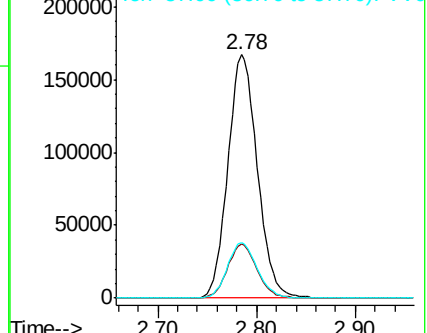
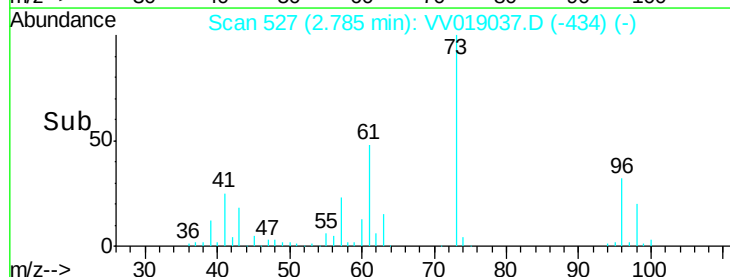


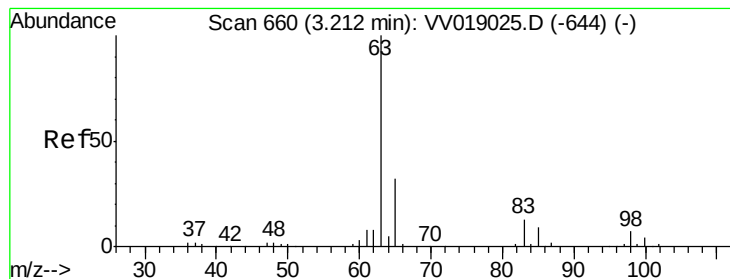
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.949 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

ClientSampleId :

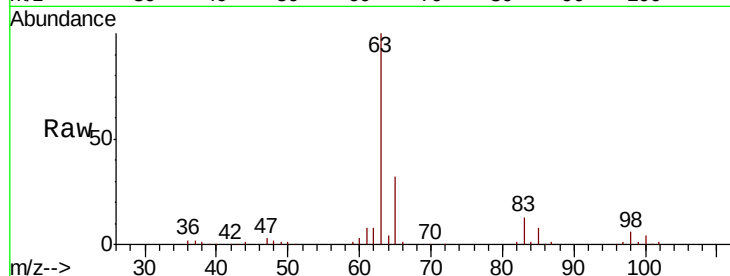
Tot Ion: 63 Resp: 201501

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.9

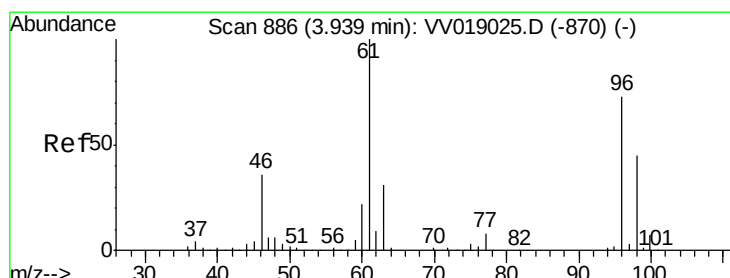
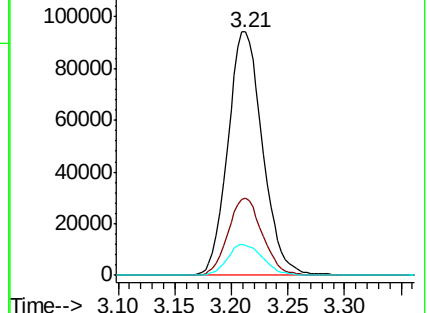
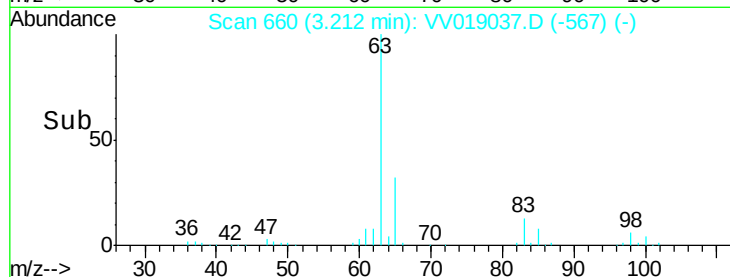
83 12.5 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV019037.D (-567) (-)

Ion 65.00 (64.70 to 65.70): VV019037.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV019037.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.244 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

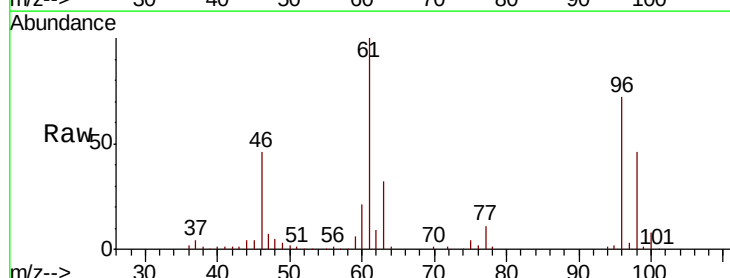
Tgt Ion: 96 Resp: 108227

Ion Ratio Lower Upper

96 100

61 139.7 96.1 178.5

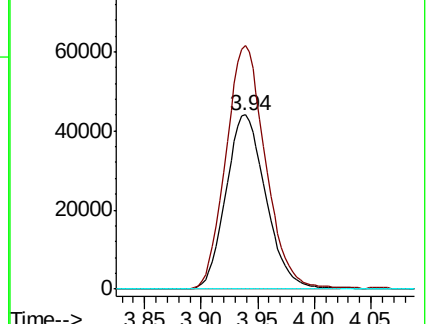
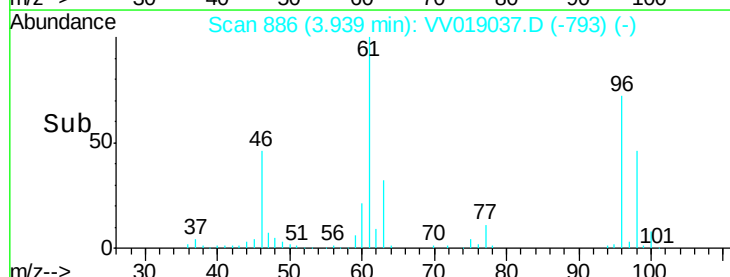
68 0.0 0.0 0.0

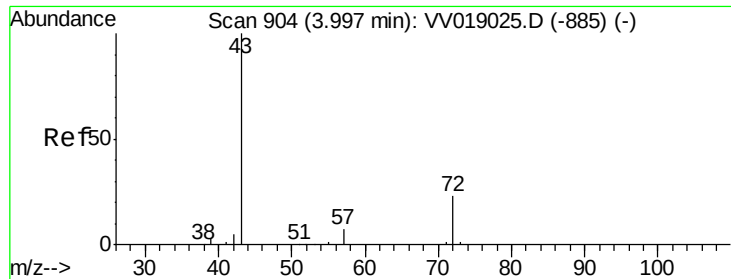


Abundance Ion 96.00 (95.70 to 96.70): VV019037.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV019037.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV019037.D (-793) (-)





#22

2-Butanone

Concen: 99.889 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

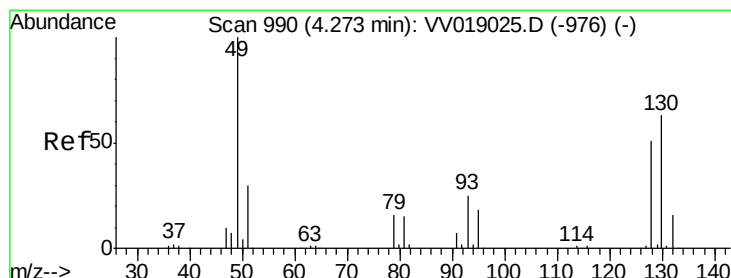
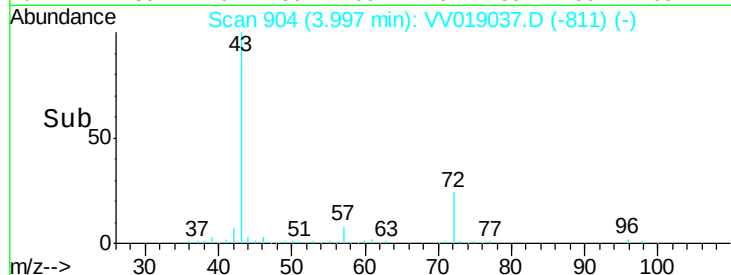
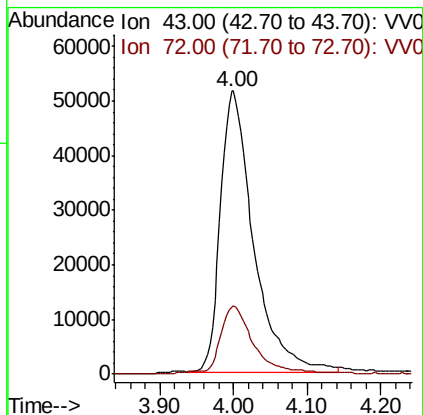
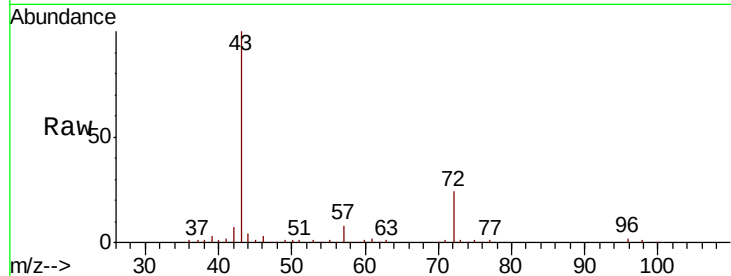
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 161800

Ion Ratio Lower Upper

43 100

72 23.1 10.9 32.9



#23

Bromochloromethane

Concen: 49.947 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Tgt Ion:128 Resp: 56692

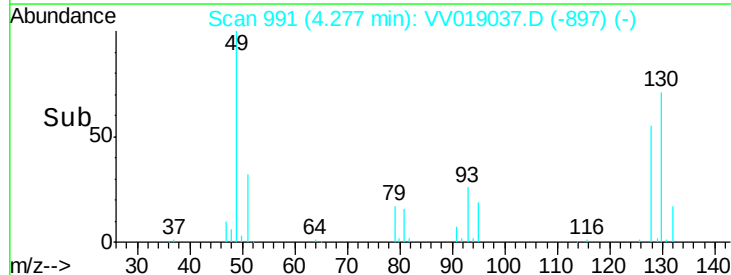
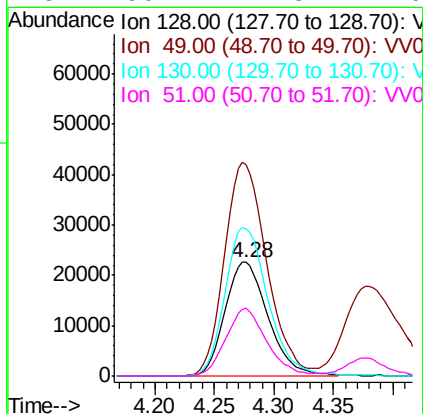
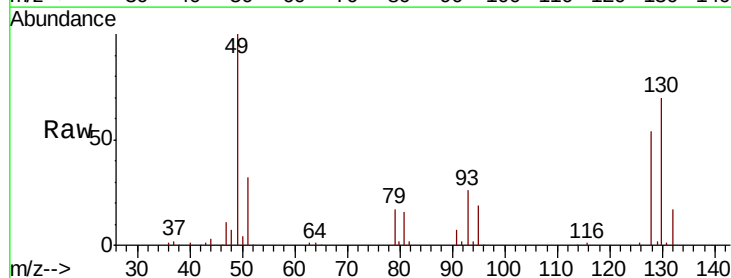
Ion Ratio Lower Upper

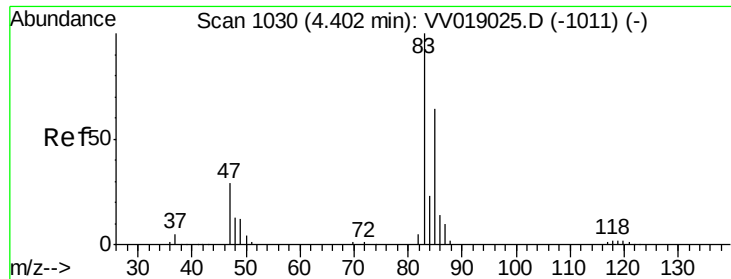
128 100

49 185.0 131.7 244.7

130 129.3 92.8 172.4

51 59.7 47.8 71.6

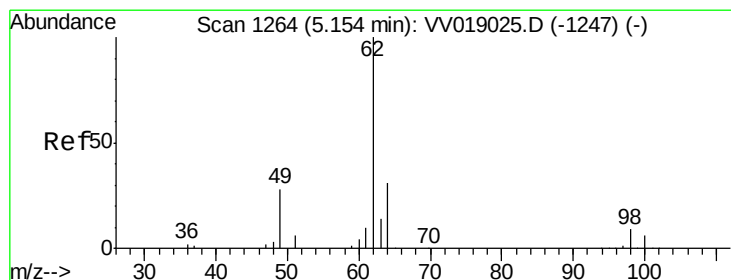
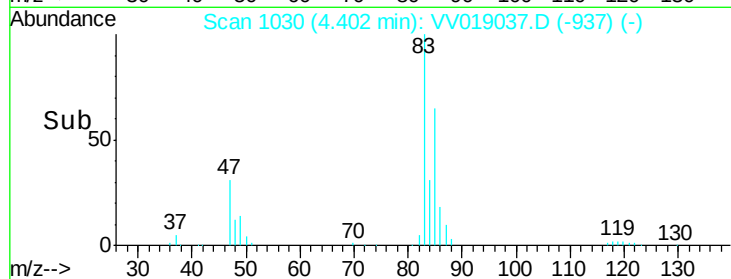
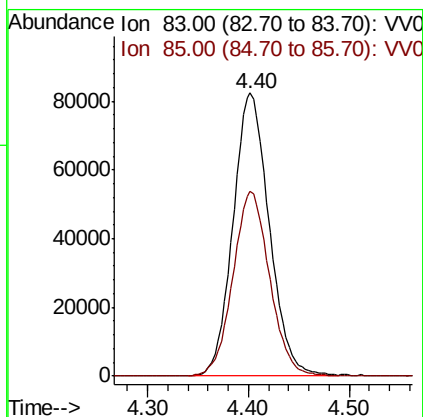
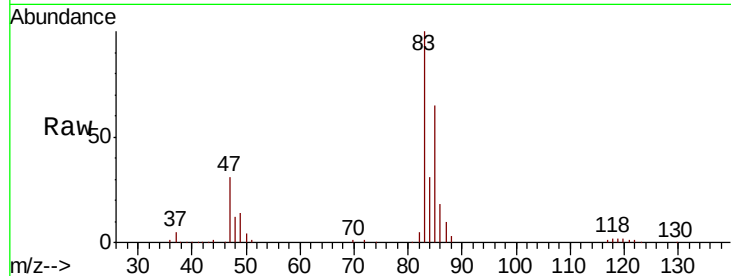




#25
 Chloroform
 Concen: 50.667 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

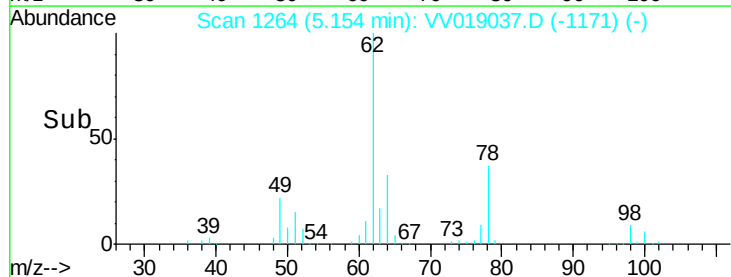
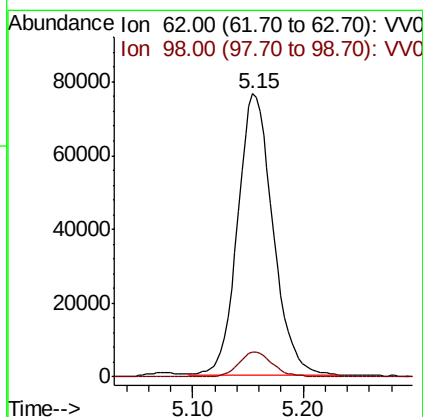
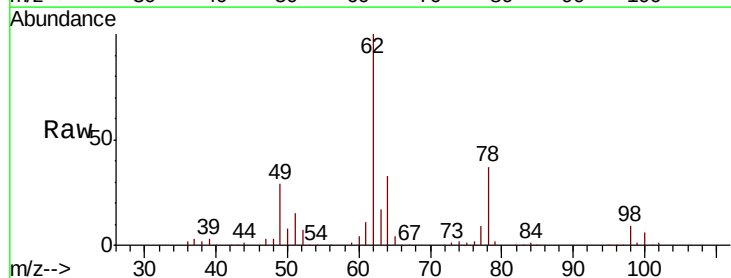
Instrument :
 MSVOA_V
 ClientSampleId :

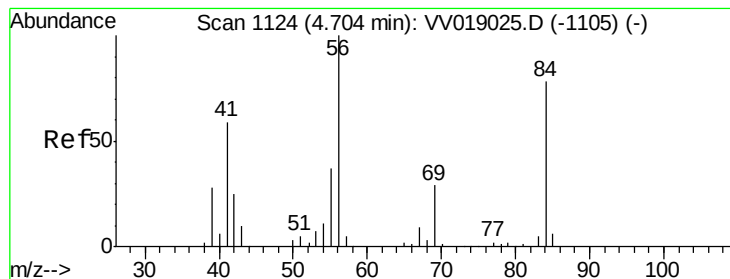
Tot Ion: 83 Resp: 205536
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 50.644 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion: 62 Resp: 167827
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.0 10.6





#29

Cyclohexane

Concen: 51.757 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :
MSVOA_V
ClientSampleId :

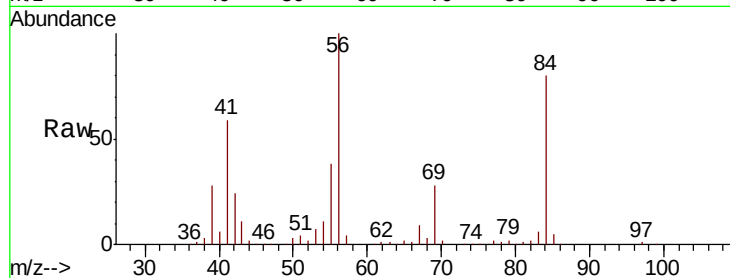
Tot Ion: 56 Resp: 168483

Ion Ratio Lower Upper

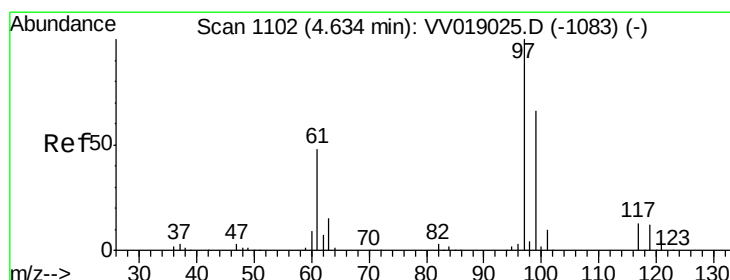
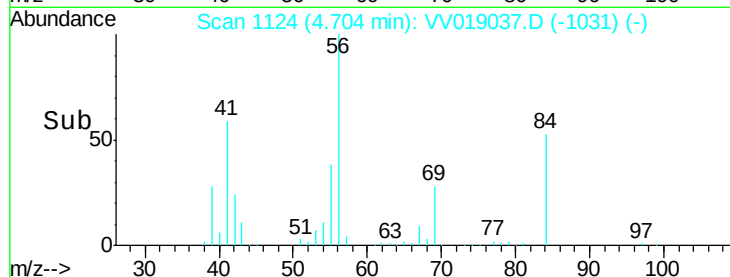
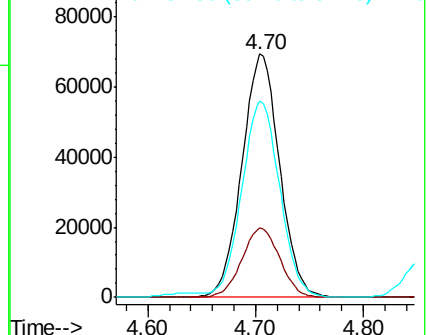
56 100

69 28.8 23.5 35.3

84 81.5 64.7 97.1



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: 53.803 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

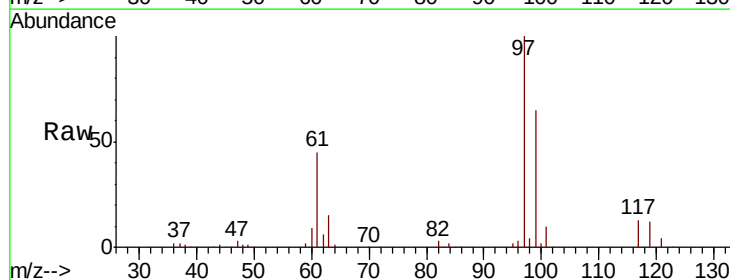
Tgt Ion: 97 Resp: 182870

Ion Ratio Lower Upper

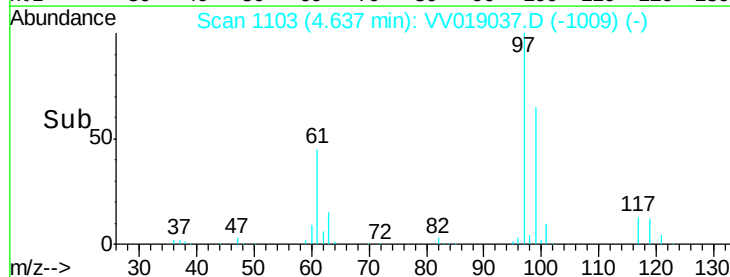
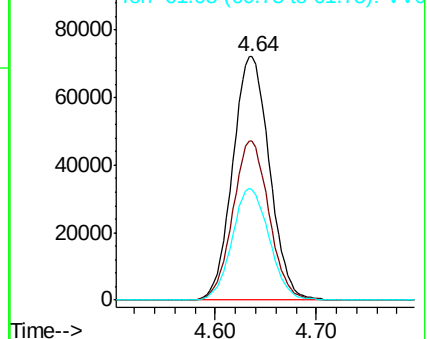
97 100

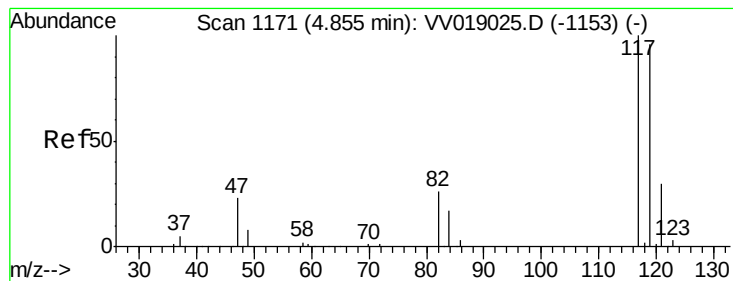
99 64.4 51.2 76.8

61 46.2 37.5 56.3



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





#31

Carbon tetrachloride

Concen: 54.326 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

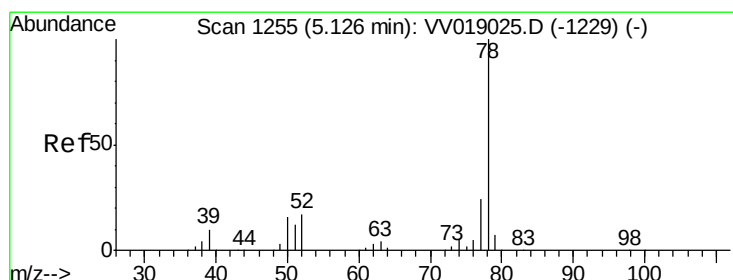
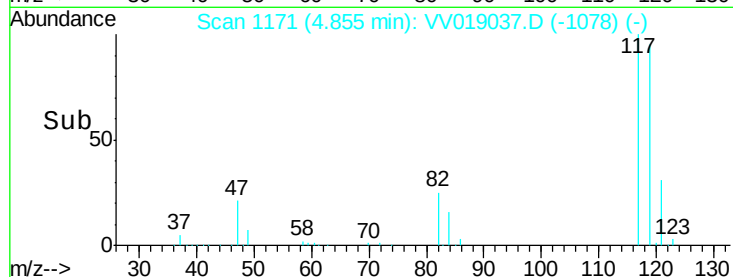
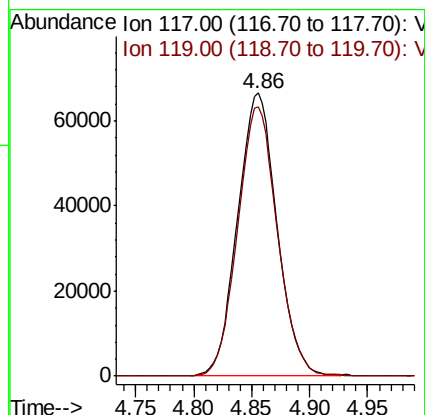
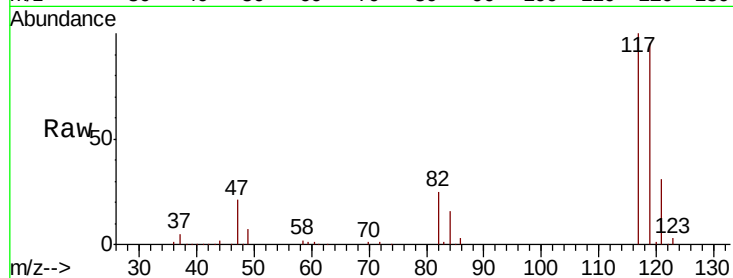
ClientSampleId :

Tot Ion:117 Resp: 157156

Ion Ratio Lower Upper

117 100

119 96.0 76.9 115.3



#33

Benzene

Concen: 51.236 ug/L

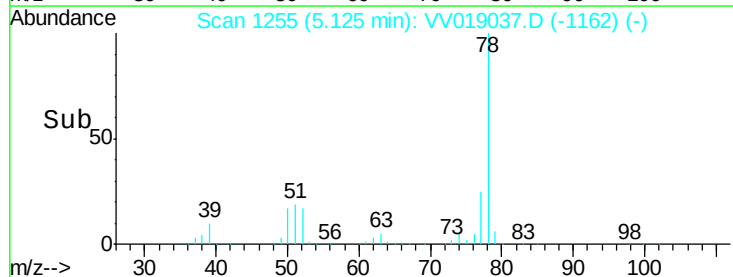
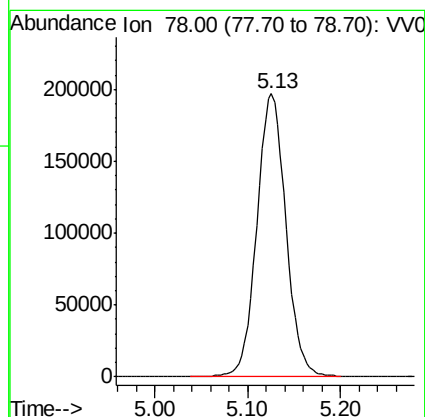
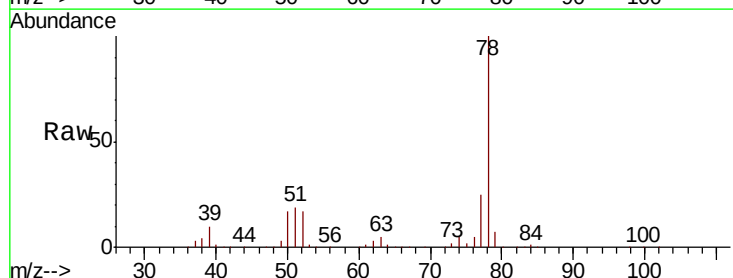
RT: 5.13 min Scan# 1255

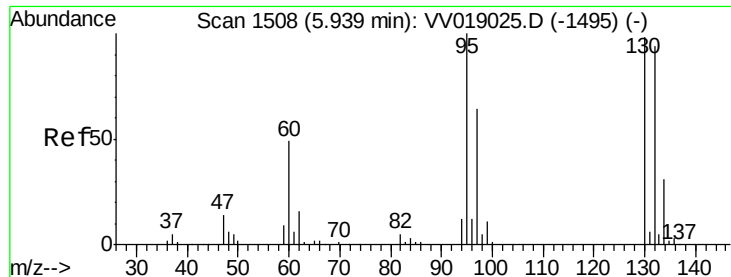
Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Tgt Ion: 78 Resp: 430216

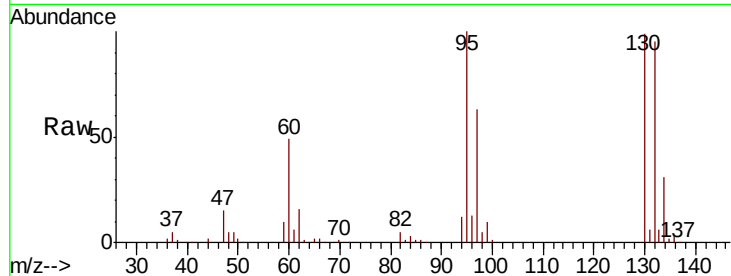




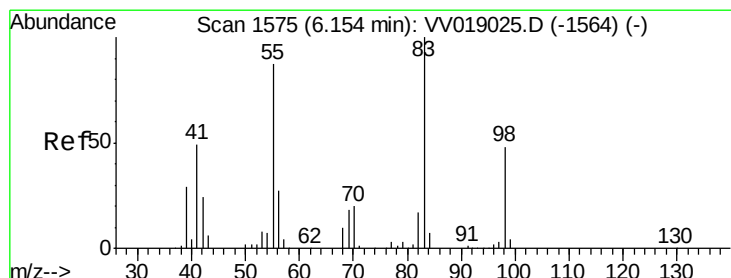
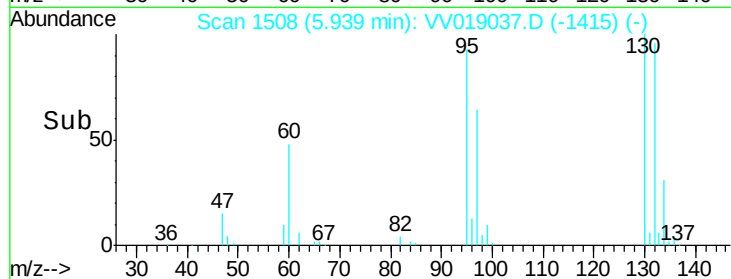
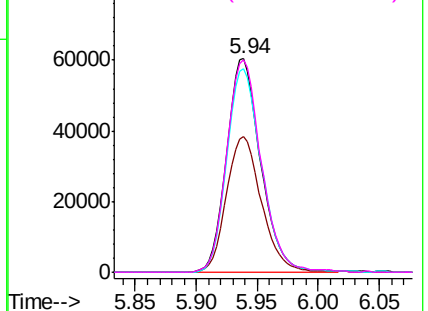
#34
 Trichloroethene
 Concen: 48.660 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 117826
 Ion Ratio Lower Upper
 95 100
 97 63.3 44.7 82.9
 132 95.2 67.0 124.4
 130 99.3 70.8 131.6

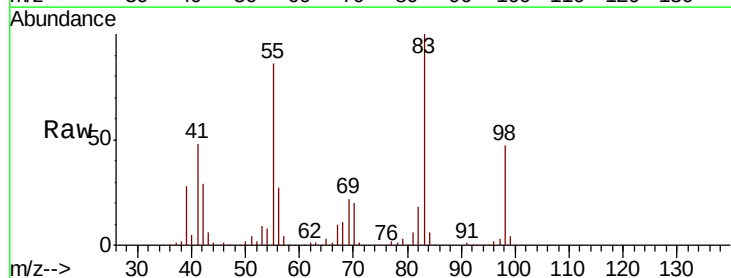


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

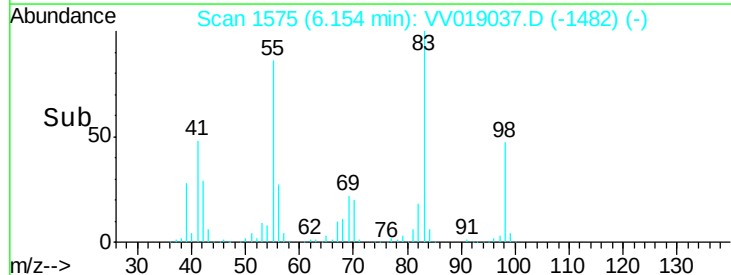
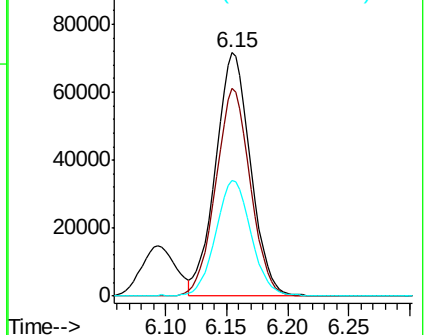


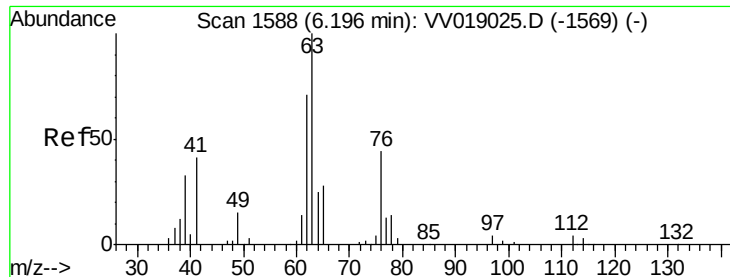
#35
 Methylcyclohexane
 Concen: 49.184 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion: 83 Resp: 144237
 Ion Ratio Lower Upper
 83 100
 55 84.3 67.3 100.9
 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

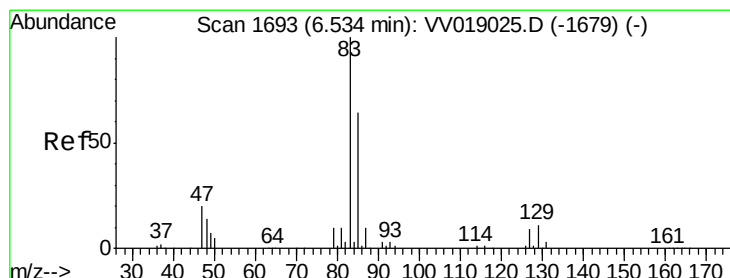
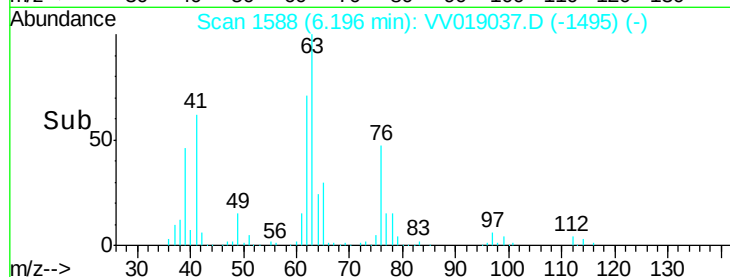
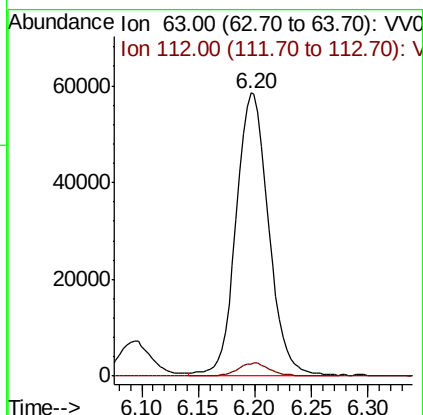
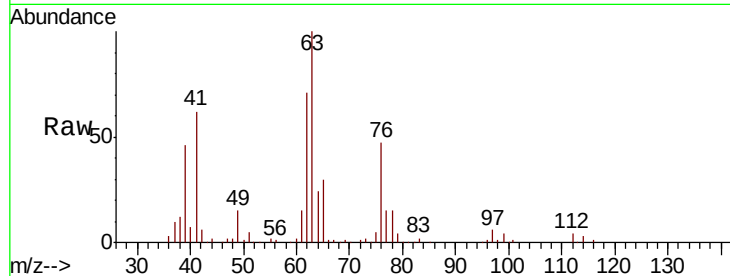




#37
 1,2-Dichloropropane
 Concen: 52.065 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

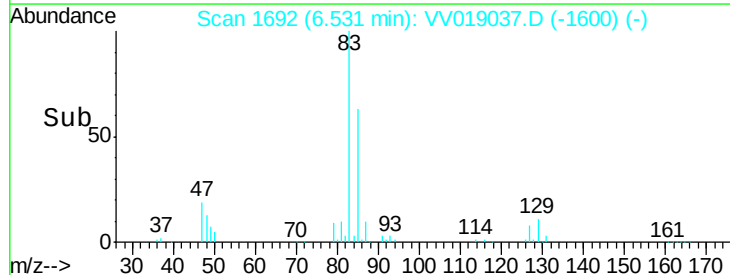
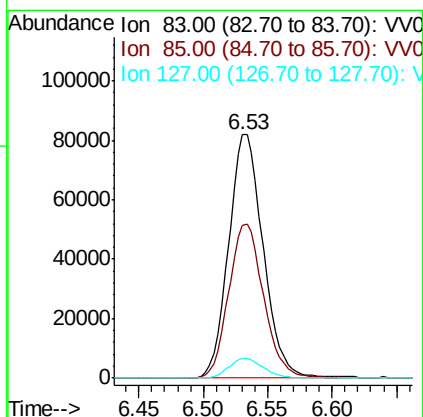
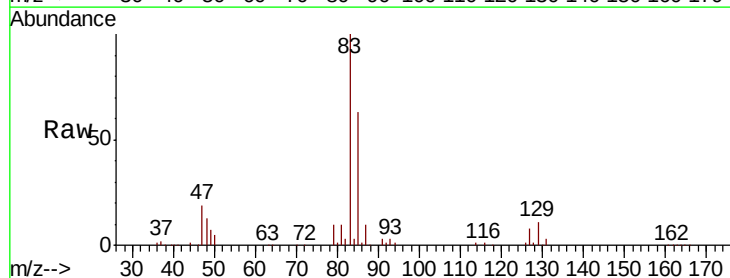
Instrument :
 MSVOA_V
 ClientSampleId :

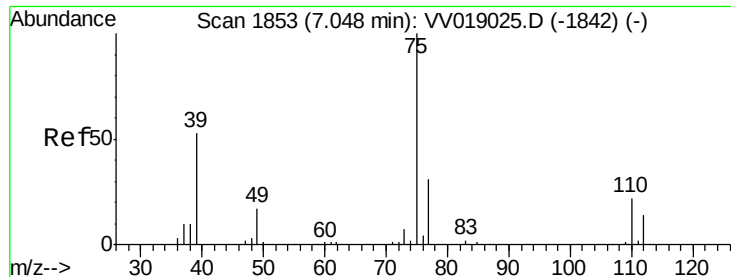
Tot Ion: 63 Resp: 117031
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 52.865 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion: 83 Resp: 152350
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 83.1
 127 7.9 6.6 9.8

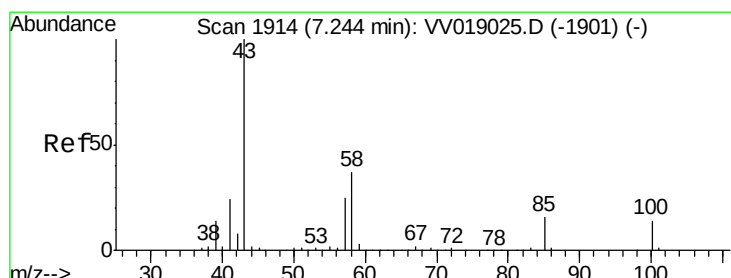
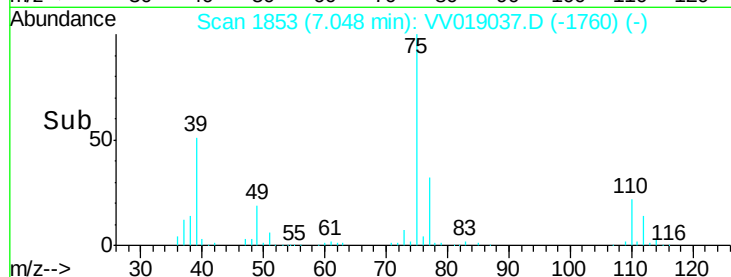
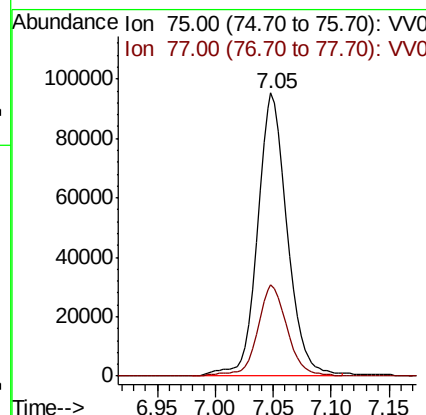
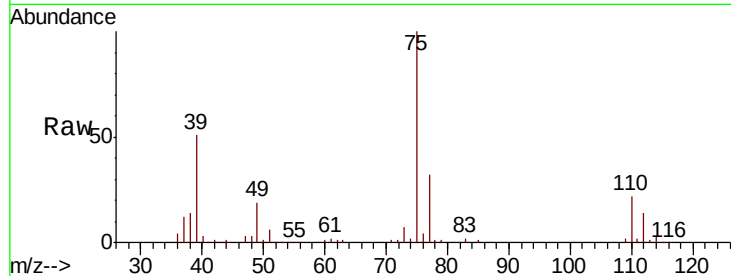




#39
 cis-1,3-Dichloropropene
 Concen: 50.675 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

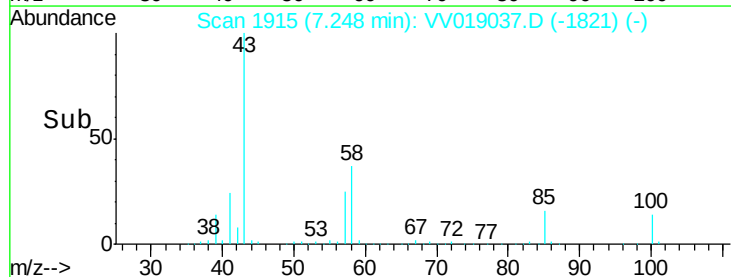
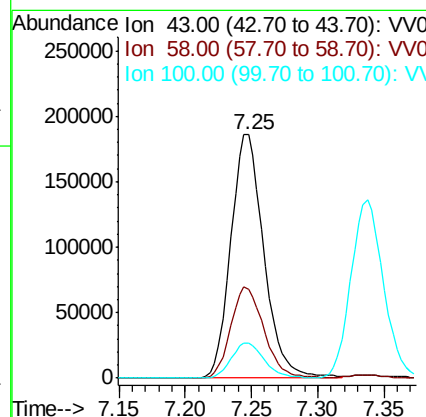
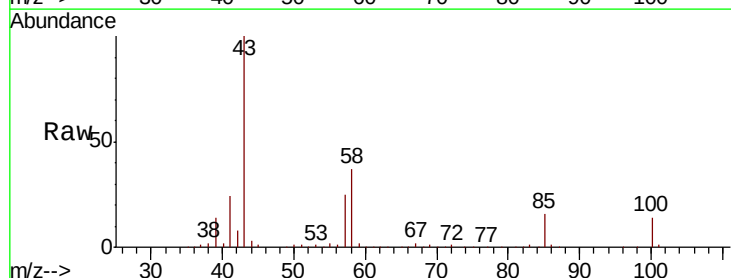
Instrument :
 MSVOA_V
 ClientSampled :

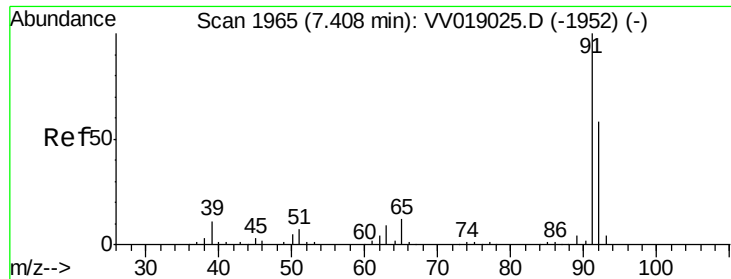
Tot Ion: 75 Resp: 171157
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 104.177 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion: 43 Resp: 322932
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.5 45.7
 100 14.2 11.1 16.7





#42

Toluene

Concen: 52.483 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

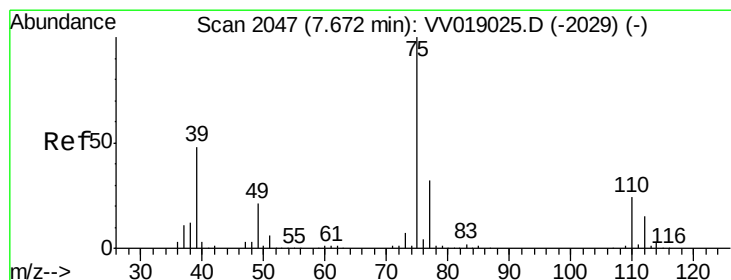
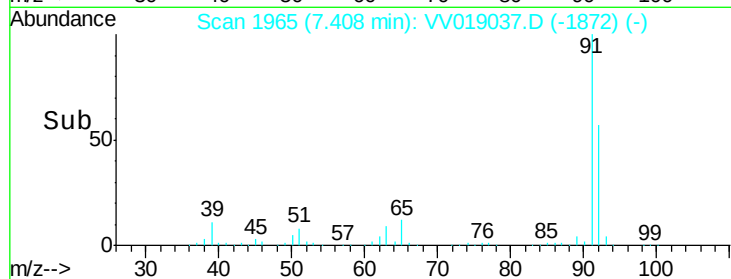
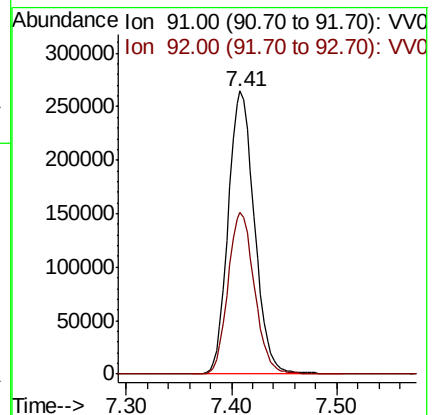
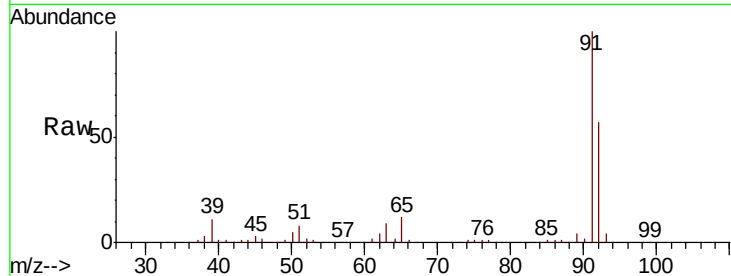
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 455154

Ion Ratio Lower Upper

91 100

92 57.2 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 52.045 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV019037.D

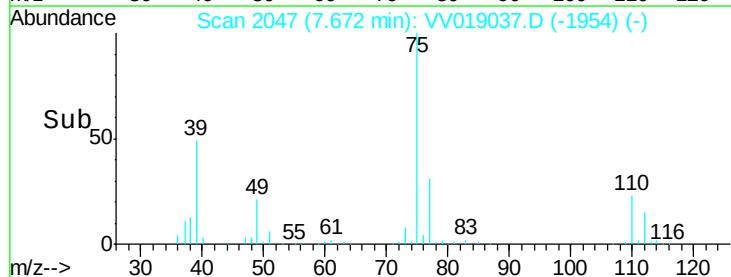
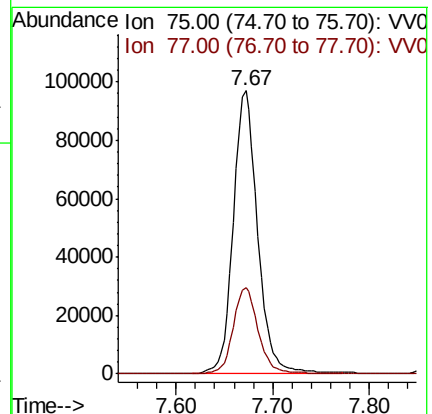
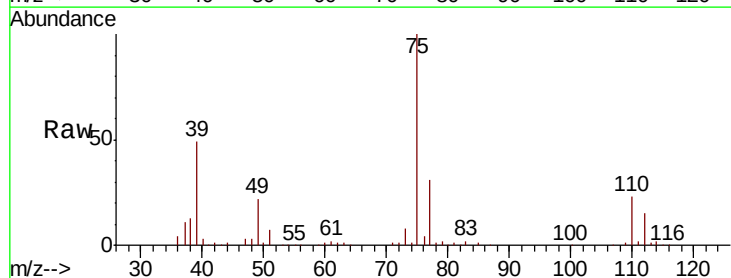
Acq: 21 Oct 2020 02:15

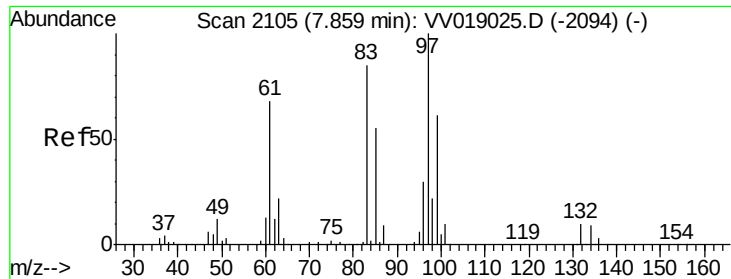
Tgt Ion: 75 Resp: 170347

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7

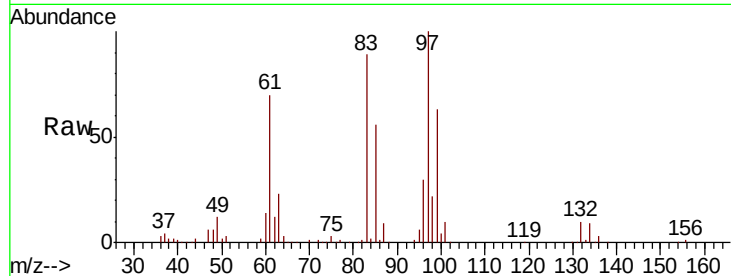




#45
 1,1,2-Trichloroethane
 Concen: 53.191 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

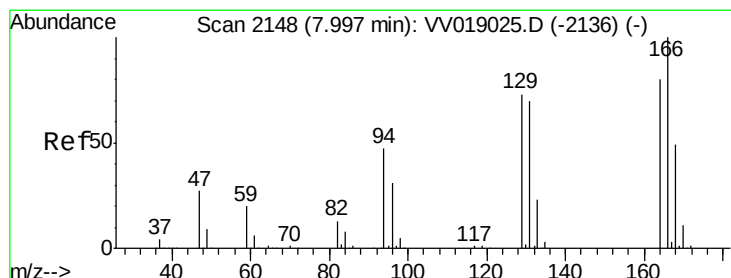
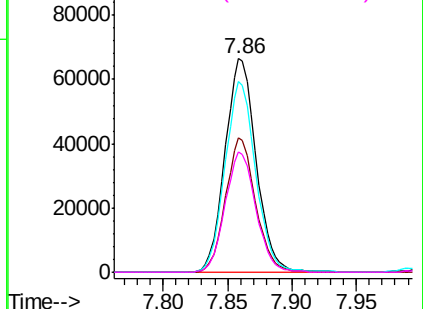
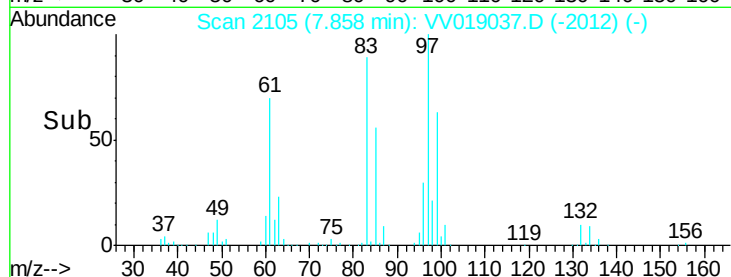
Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	111214
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.4
83	89.5	61.0	113.4
85	56.3	38.9	72.2



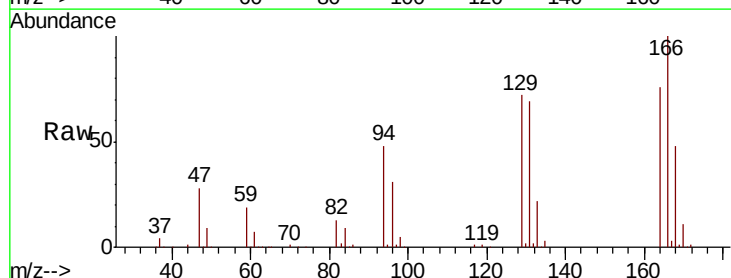
Abundance

Ion 97.00 (96.70 to 97.70): VV019037.D (-2012) (-)



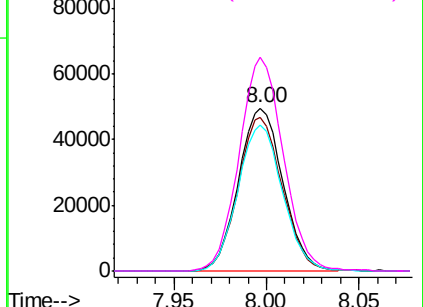
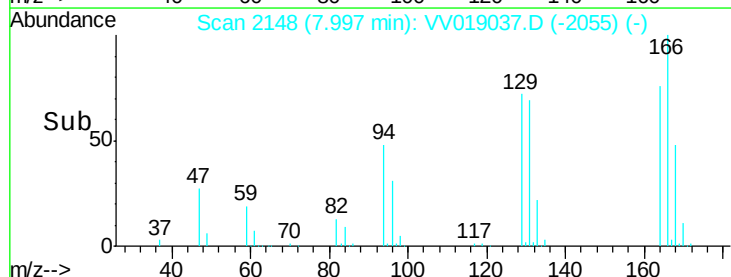
#46
 Tetrachloroethene
 Concen: 48.310 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

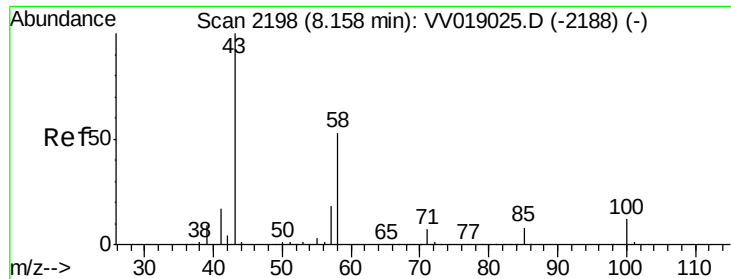
Tgt Ion:	164	Resp:	82440
Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.0	120.8
131	89.8	62.9	116.7
166	130.9	91.1	169.3



Abundance

Ion 164.00 (163.70 to 164.70): VV019037.D (-2055) (-)

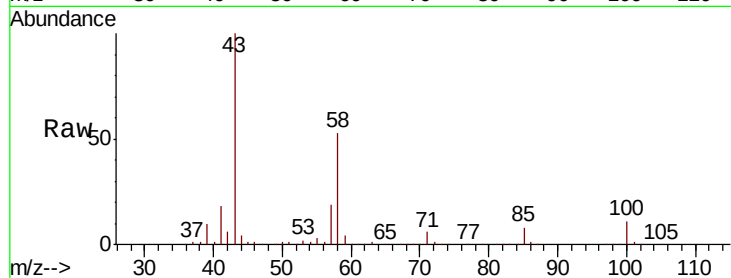




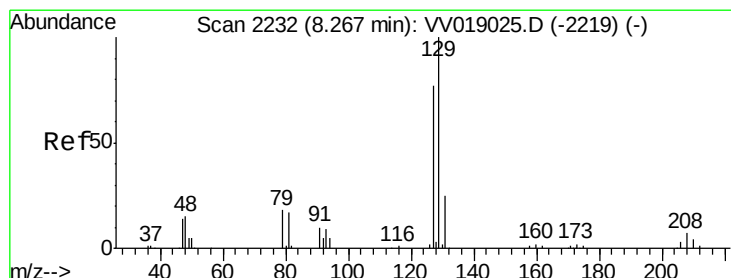
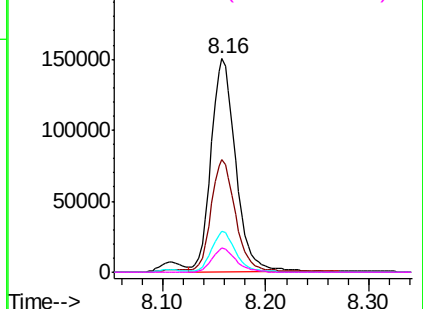
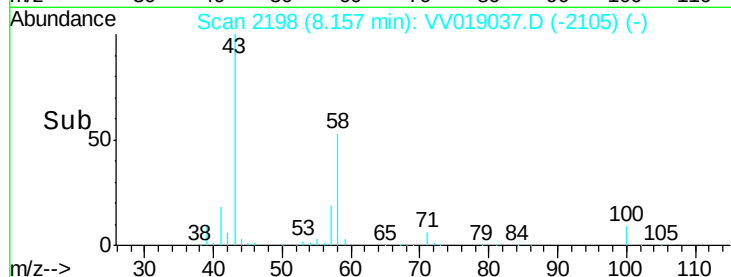
#48
2-Hexanone
Concen: 101.454 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV019037.D
Acq: 21 Oct 2020 02:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 249354
Ion Ratio Lower Upper
43 100
58 51.1 42.5 63.7
57 19.1 14.5 21.7
100 11.1 9.0 13.4

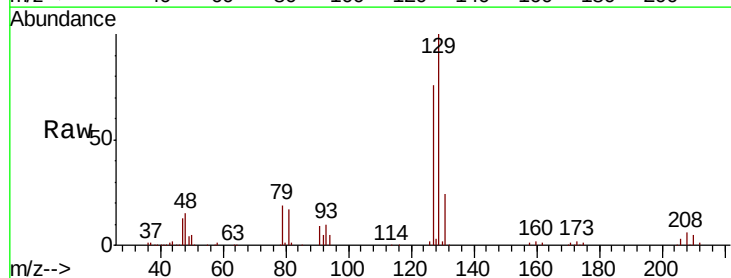


Abundance Ion 43.00 (42.70 to 43.70): VV019037.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019037.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019037.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019037.D (-2105) (-)

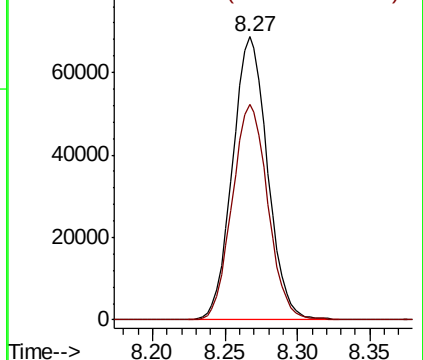
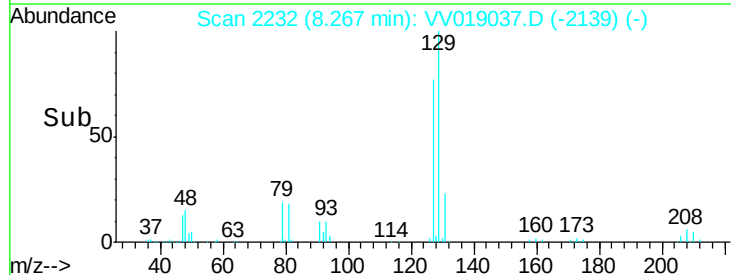


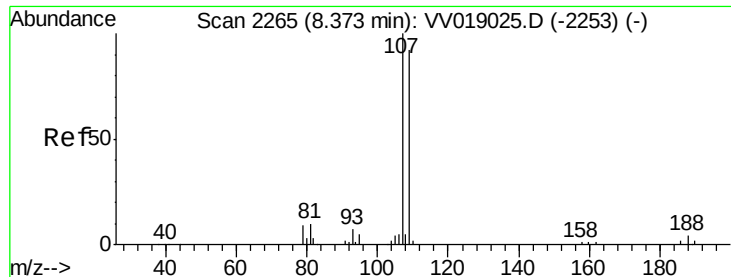
#49
Dibromochloromethane
Concen: 52.030 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019037.D
Acq: 21 Oct 2020 02:15

Tgt Ion: 129 Resp: 115172
Ion Ratio Lower Upper
129 100
127 76.0 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019037.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019037.D (-2139) (-)

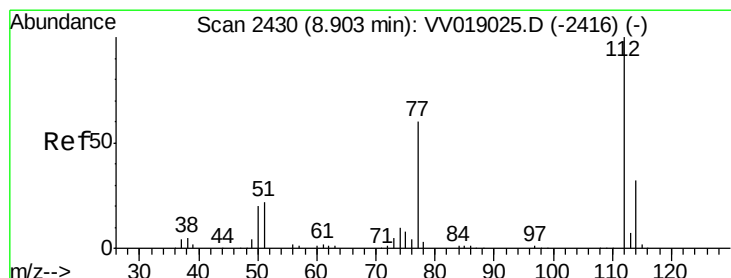
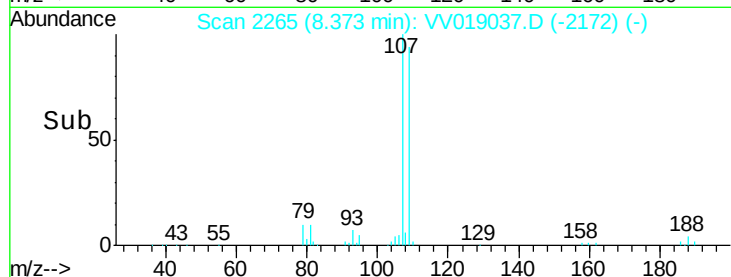
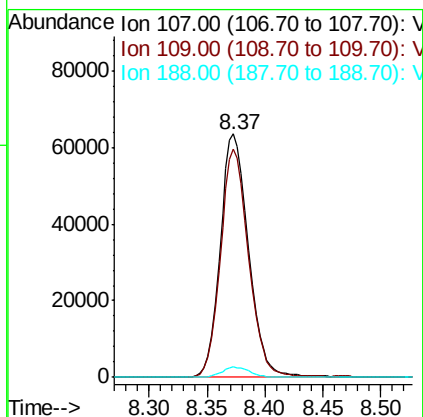
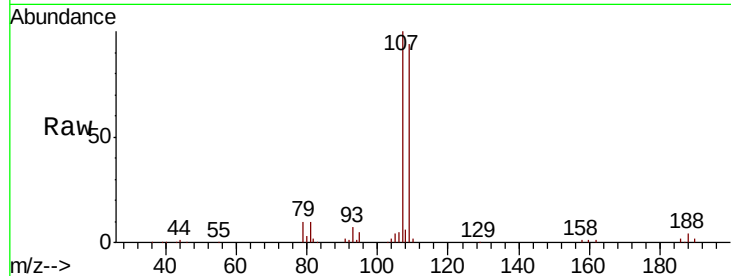




#50
 1,2-Dibromoethane
 Concen: 49.647 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

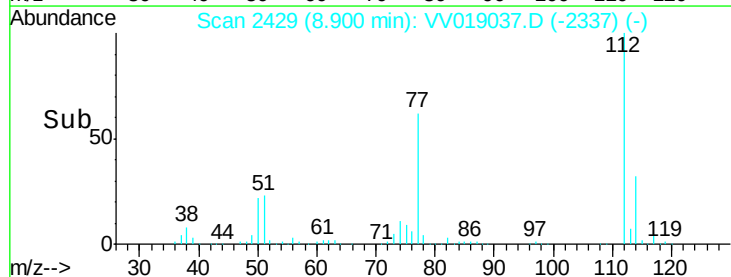
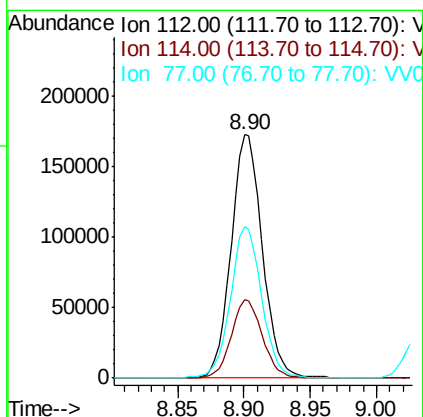
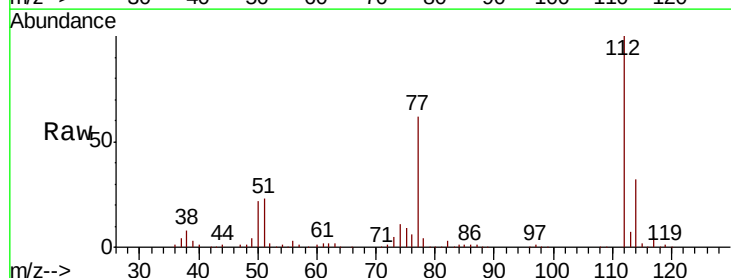
Instrument :
 MSVOA_V
 ClientSampleId :

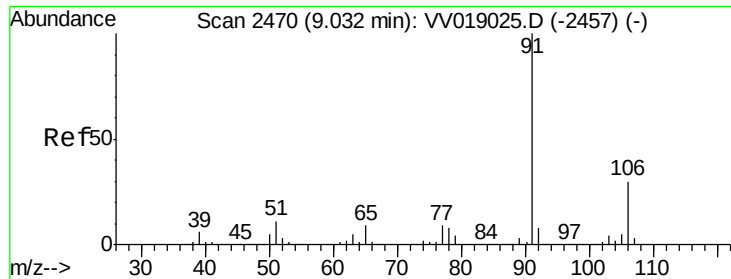
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.8	122.2
188	4.1	3.2	4.8



#51
 Chlorobenzene
 Concen: 50.097 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.8	40.6
77	62.2	49.2	73.8





#52

Ethylbenzene

Concen: 53.049 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

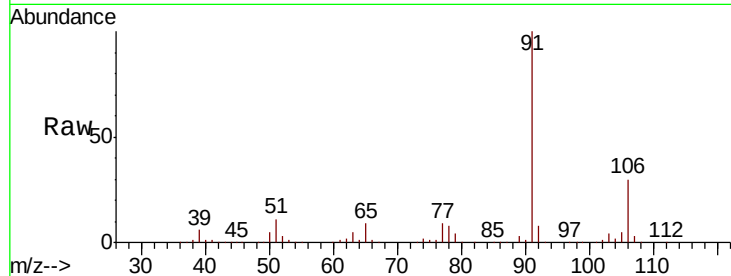
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 498030

Ion Ratio Lower Upper

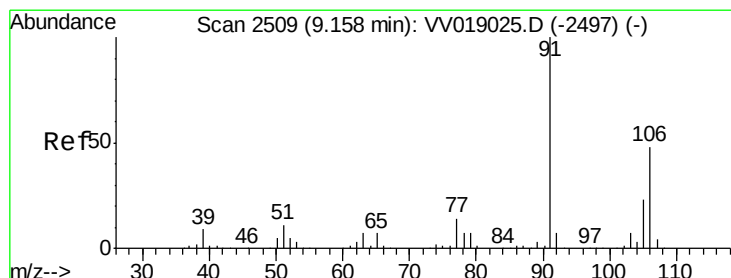
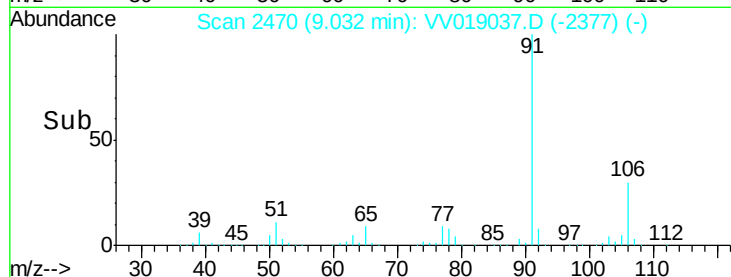
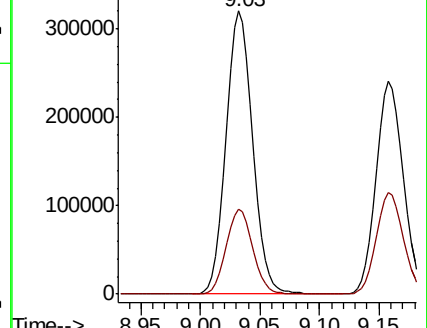
91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV019037.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019037.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.550 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019037.D

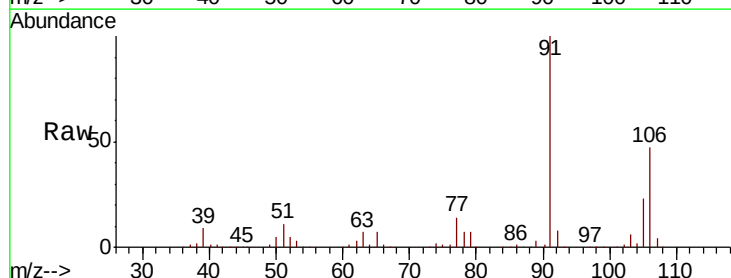
Acq: 21 Oct 2020 02:15

Tgt Ion: 106 Resp: 183797

Ion Ratio Lower Upper

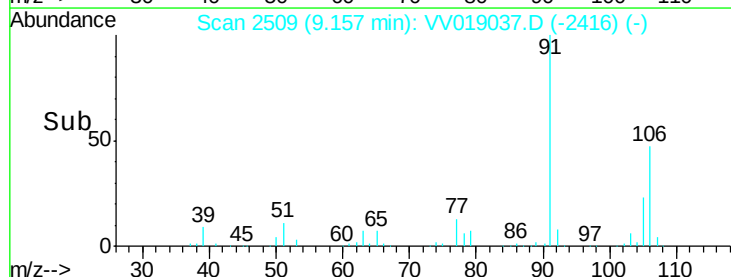
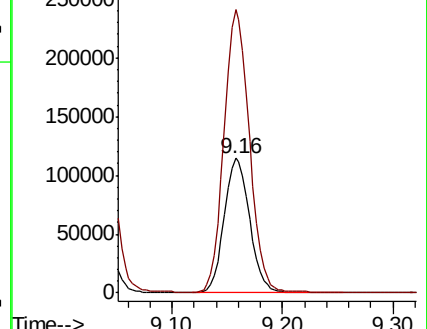
106 100

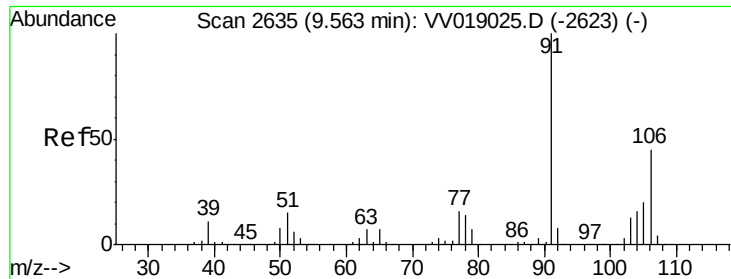
91 210.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV019037.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019037.D (-2416) (-)





#54

o-xylene

Concen: 53.442 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

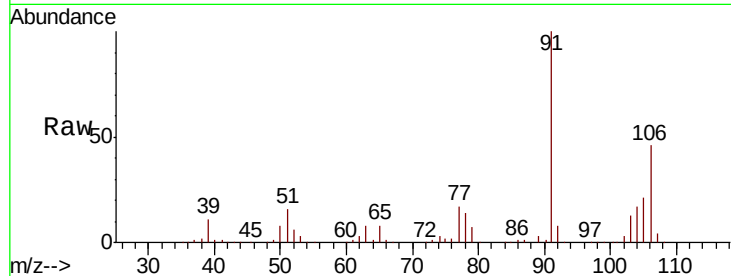
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 178827

Ion Ratio Lower Upper

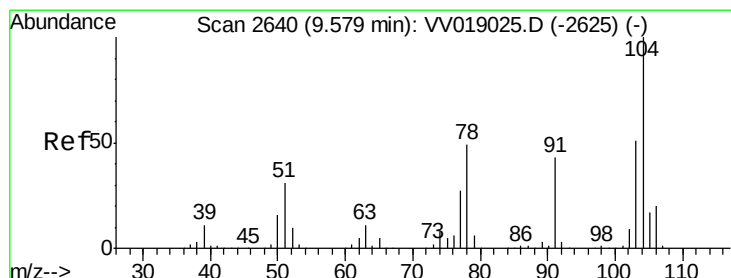
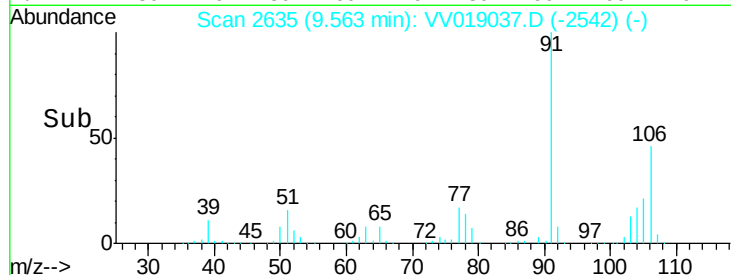
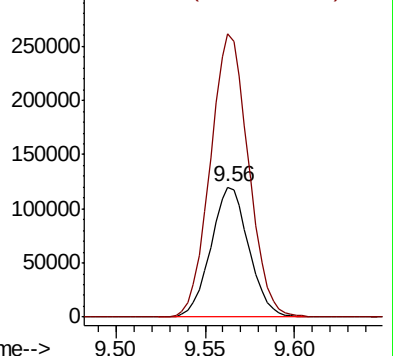
106 100

91 217.4 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.391 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019037.D

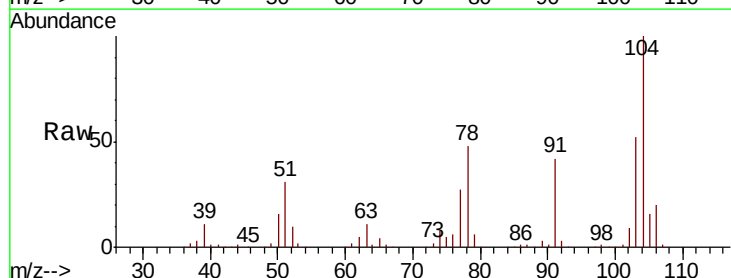
Acq: 21 Oct 2020 02:15

Tgt Ion:104 Resp: 320125

Ion Ratio Lower Upper

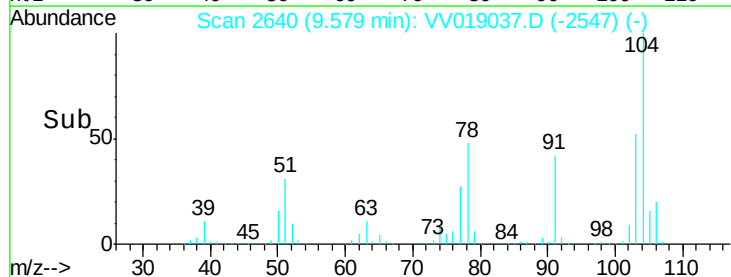
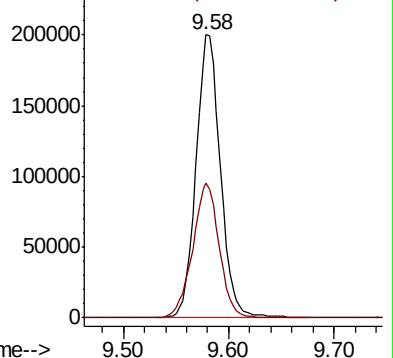
104 100

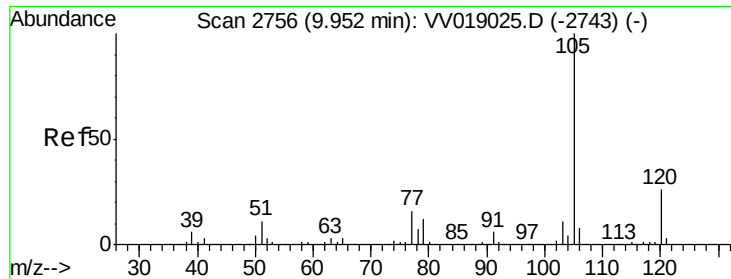
78 47.7 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.095 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :
MSVOA_V
ClientSampleId :

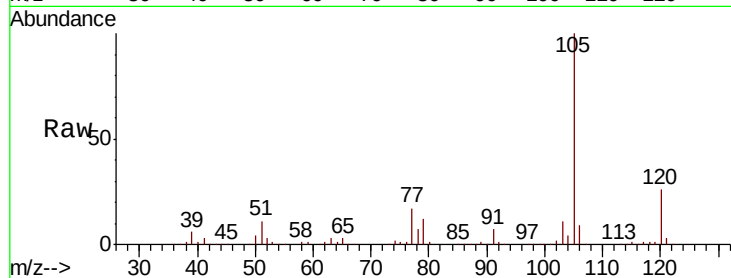
Tot Ion:105 Resp: 475199

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

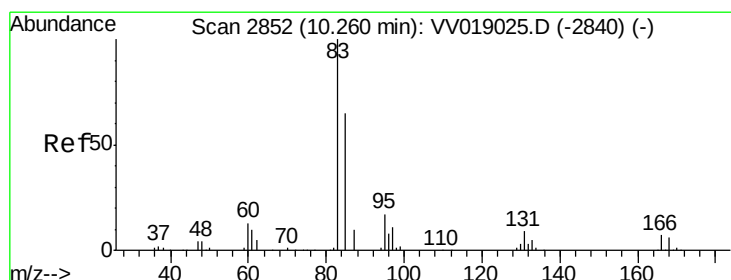
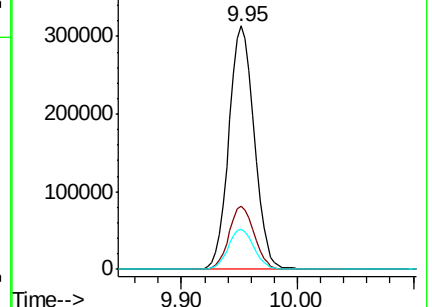
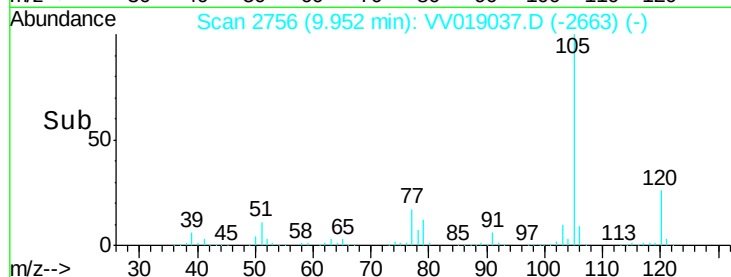
77 16.7 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): VV019037.D (-2663) (-)

Ion 120.00 (119.70 to 120.70): VV019037.D (-2663) (-)

Ion 77.00 (76.70 to 77.70): VV019037.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 50.801 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

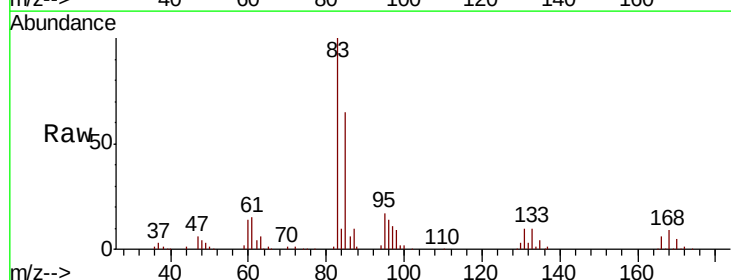
Tgt Ion: 83 Resp: 144227

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9

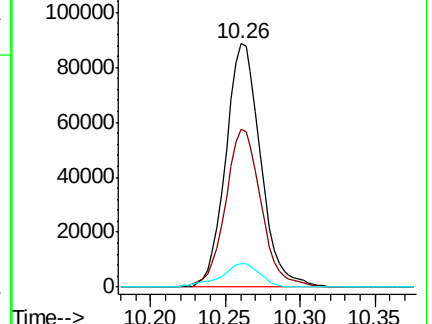
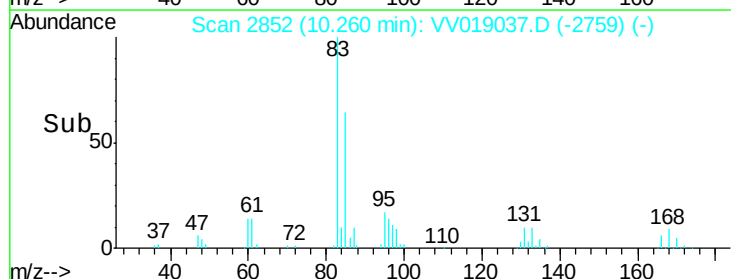
131 9.8 7.7 11.5

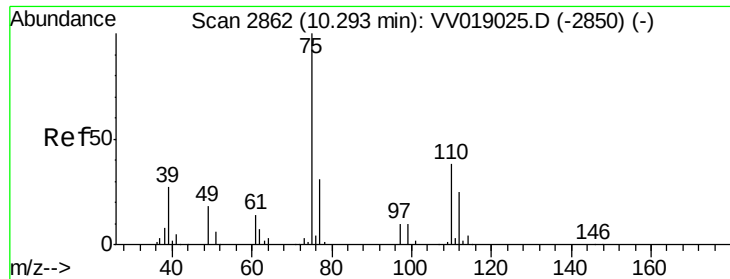


Abundance Ion 83.00 (82.70 to 83.70): VV019037.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV019037.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV019037.D (-2759) (-)





#59

1,2,3-Trichloropropane

Concen: 50.043 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

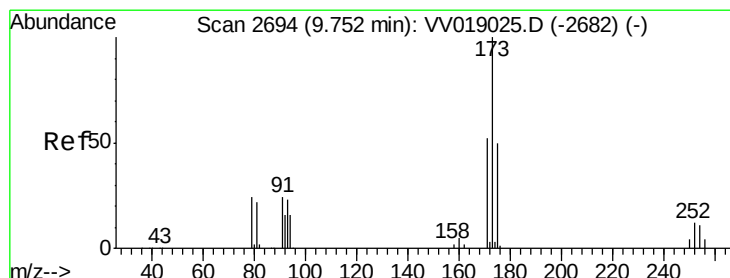
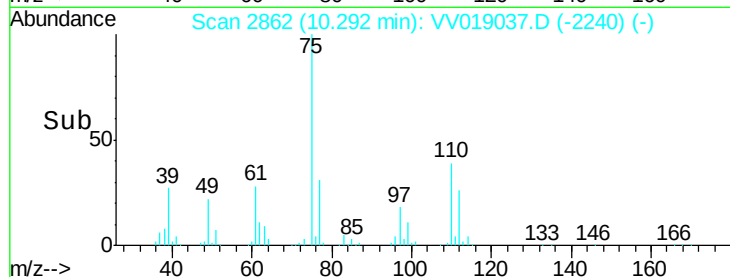
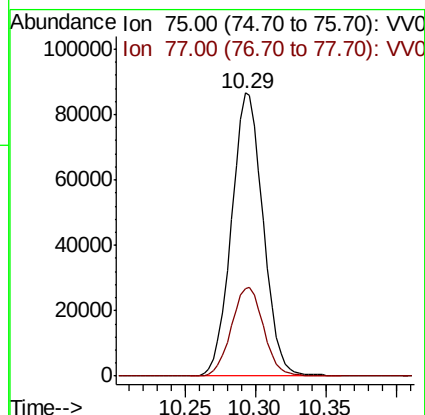
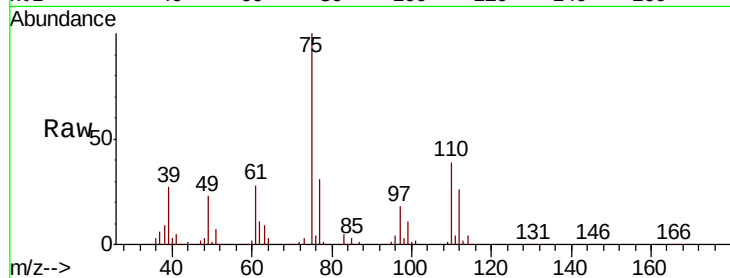
ClientSampleId :

Tot Ion: 75 Resp: 136159

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 50.808 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

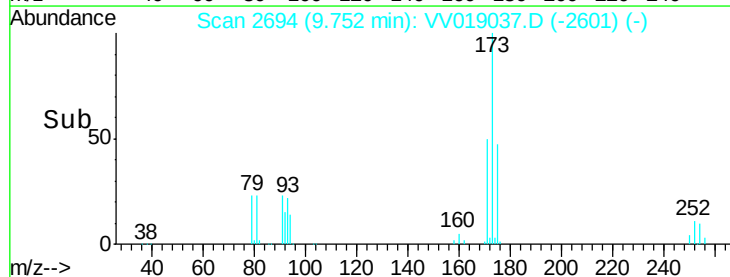
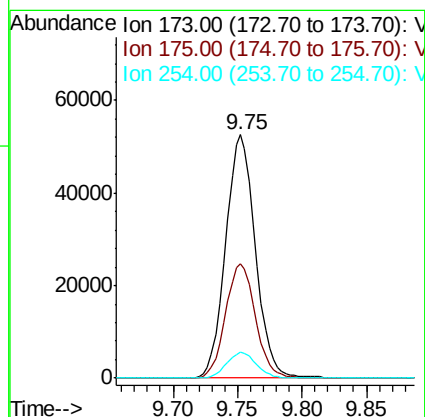
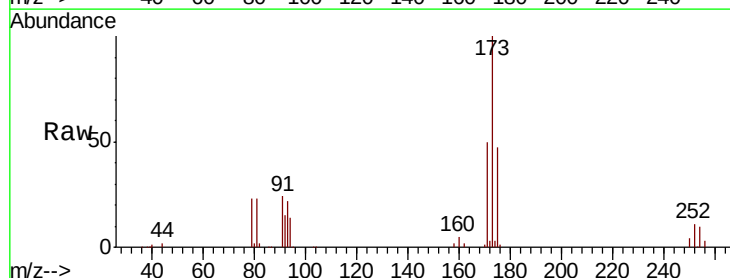
Tgt Ion: 173 Resp: 83986

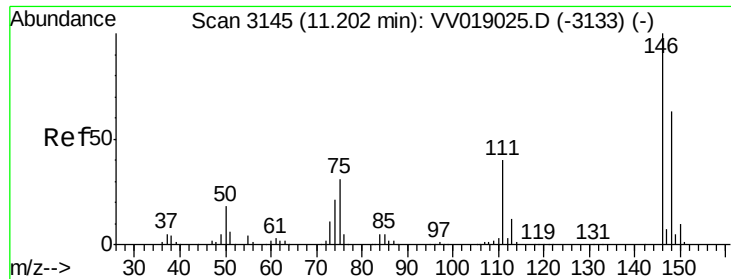
Ion Ratio Lower Upper

173 100

175 47.4 38.2 57.2

254 10.5 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 49.339 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

ClientSampleId :

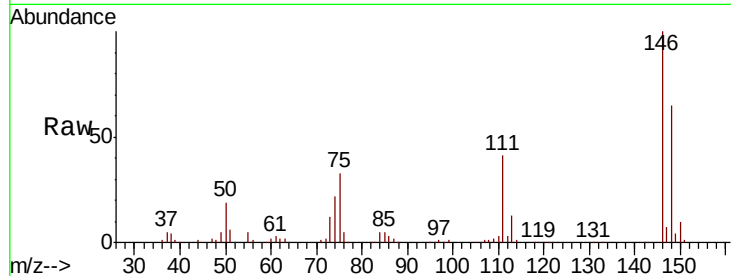
Tot Ion:146 Resp: 231453

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

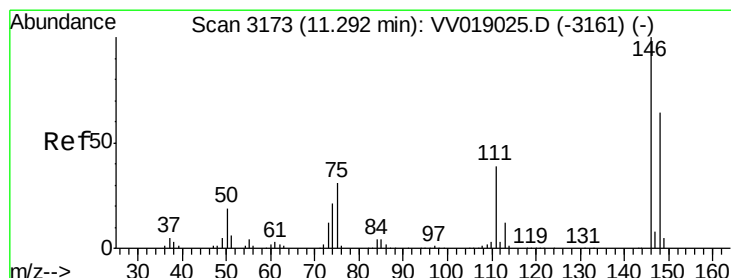
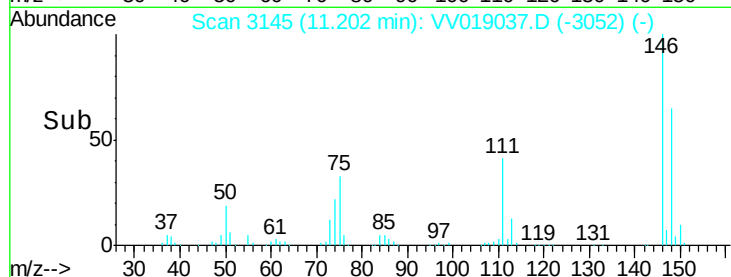
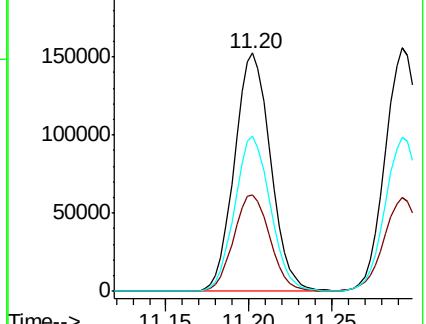
148 65.1 45.1 83.7



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: 48.181 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

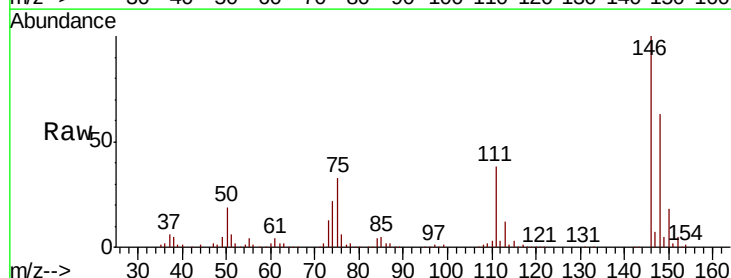
Tgt Ion:146 Resp: 237624

Ion Ratio Lower Upper

146 100

111 38.3 27.5 51.1

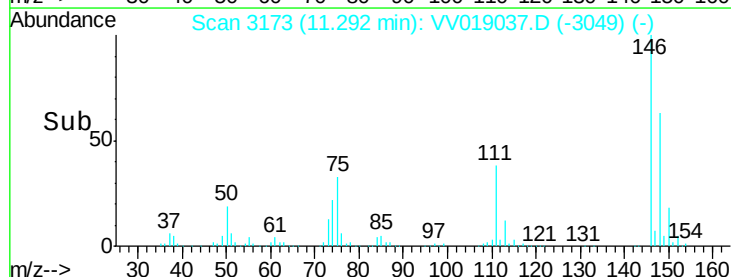
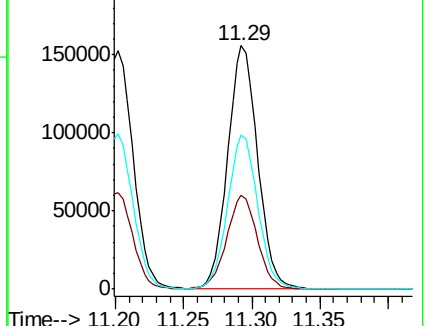
148 63.2 44.1 81.9

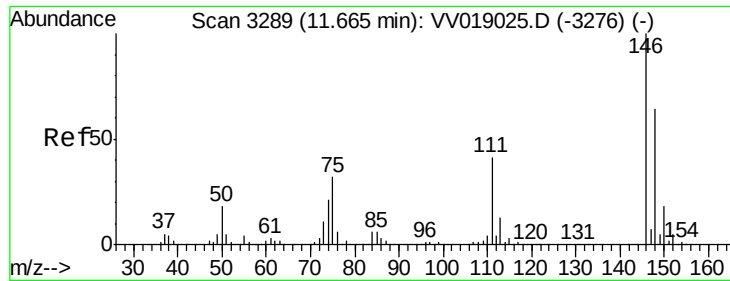


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

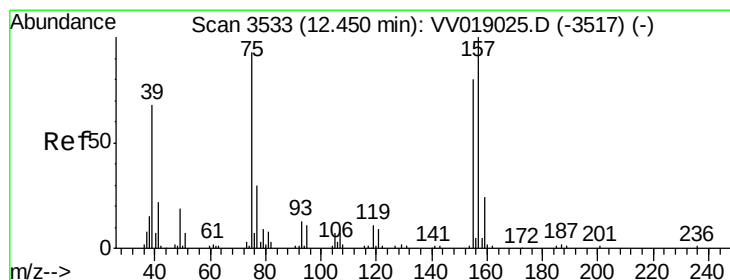
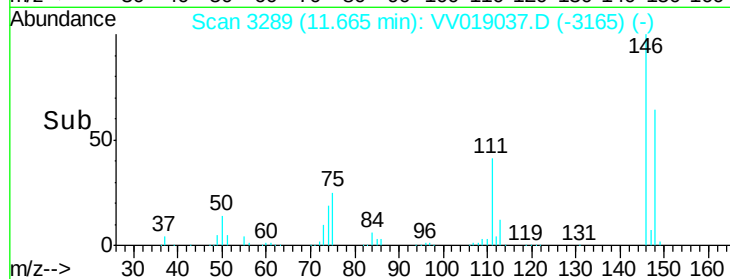
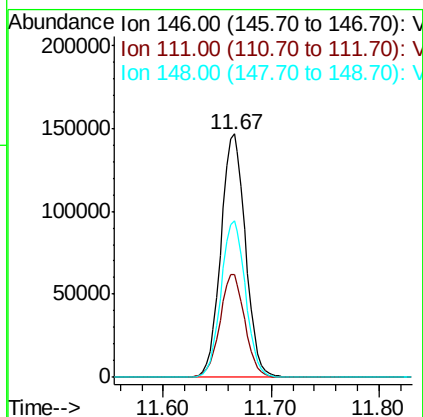
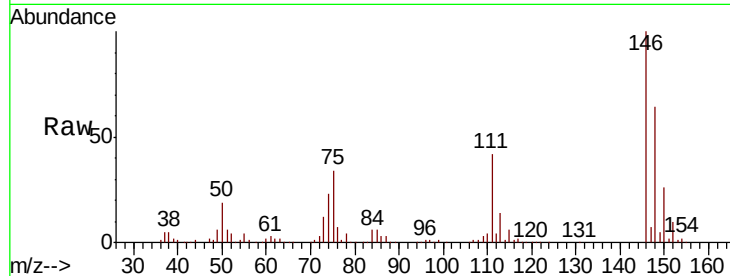




#65
 1,2-Dichlorobenzene
 Concen: 48.995 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

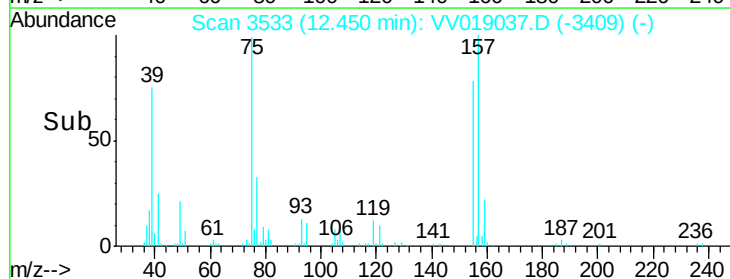
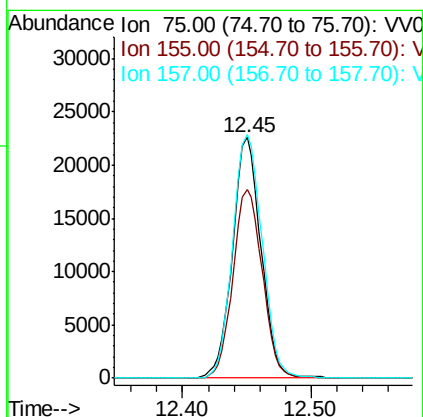
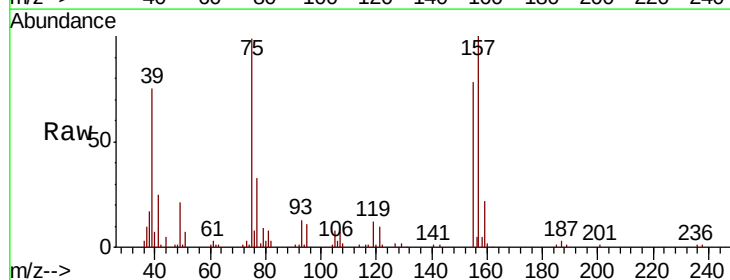
Instrument :
 MSVOA_V
 ClientSampleId :

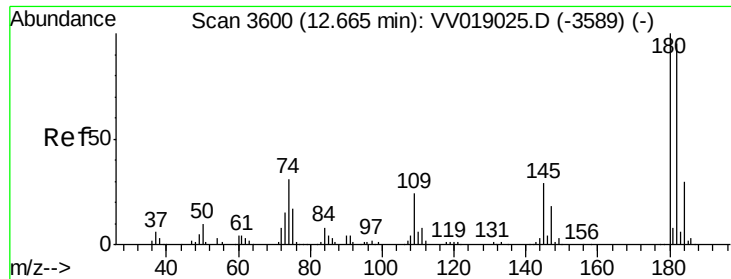
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	33.9	50.9
148	64.4	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.277 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	65.7	98.5
157	101.2	83.0	124.4

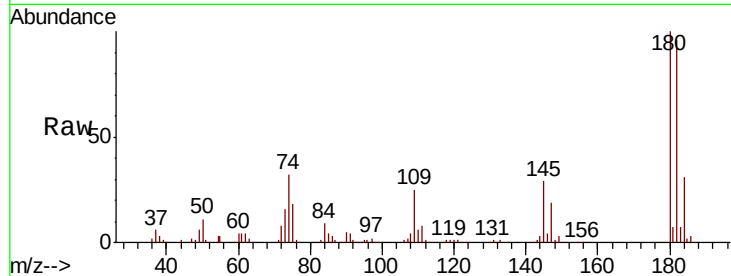




#67
 1,3,5-Trichlorobenzene
 Concen: 50.515 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.8	113.8
184	31.6	24.9	37.3
145	29.2	23.2	34.8

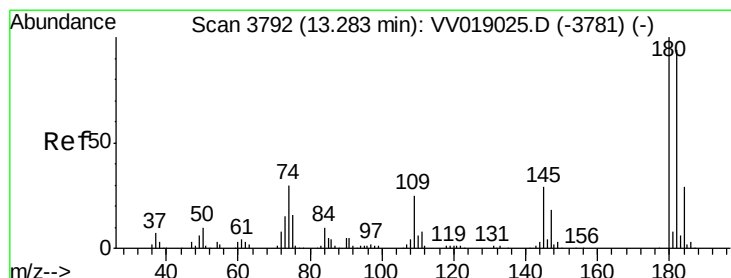
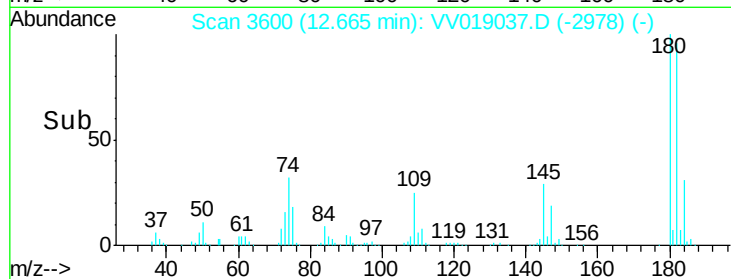
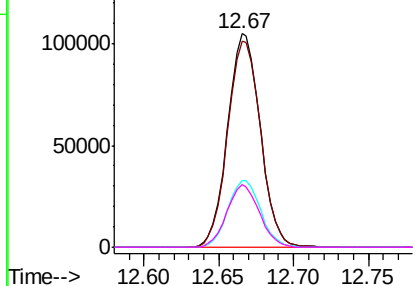


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

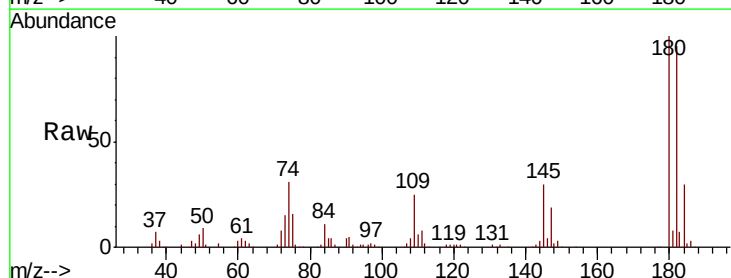
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.686 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019037.D
 Acq: 21 Oct 2020 02:15

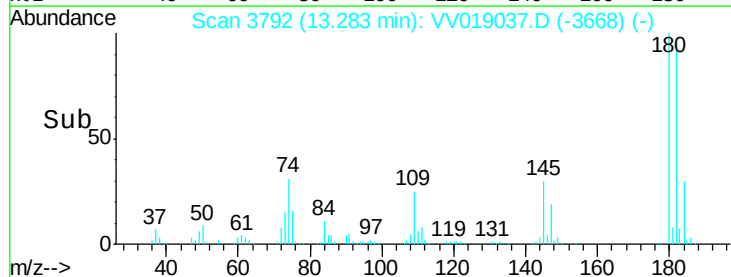
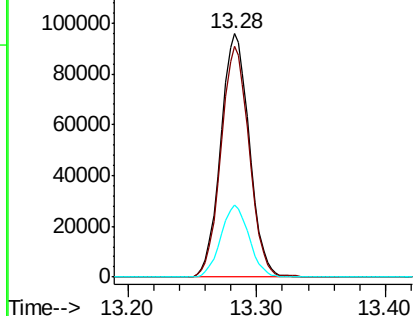
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.5	114.7
145	29.2	23.7	35.5

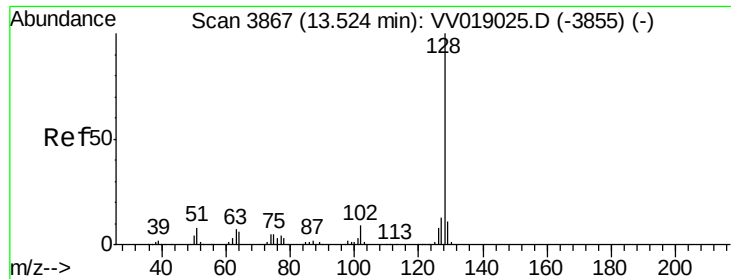


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.784 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

Instrument :

MSVOA_V

ClientSampleId :

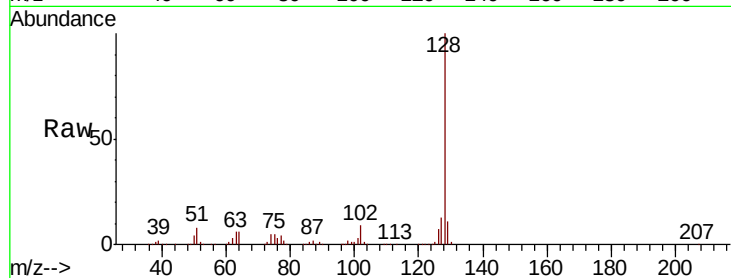
Tot Ion:128 Resp: 426722

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

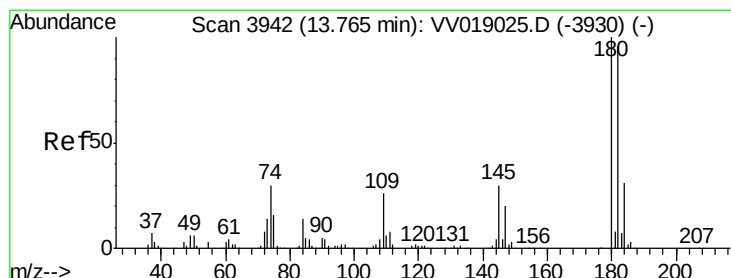
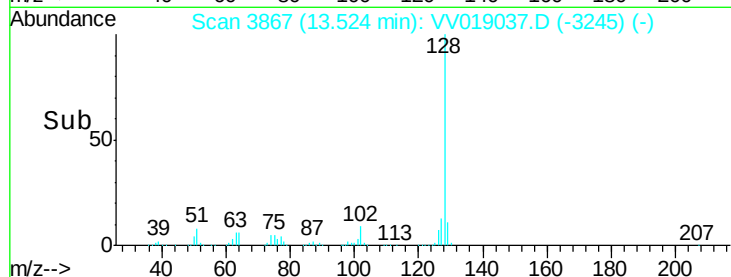
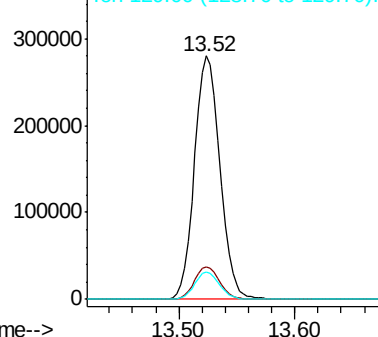
129 10.9 8.9 13.3



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: 52.282 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019037.D

Acq: 21 Oct 2020 02:15

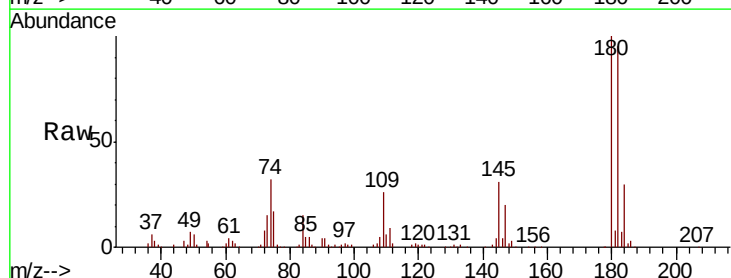
Tgt Ion:180 Resp: 151747

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 31.3 25.4 38.0



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

