

Data File : VU037307.D
Acq On : 17 Mar 2020 10:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB31

Quant Time: Mar 18 02:31:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 16 15:08:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	453613	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	443797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	227529	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	140442	40.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	126182	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.16%
11) 1,1-Dichloroethene-d2	2.59	63	277411	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.14%
21) 2-Butanone-d5	4.66	46	246014	88.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.55%
24) Chloroform-d	5.11	84	321715	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.74	65	224949	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
32) Benzene-d6	5.76	84	576851	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.73	67	185892	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.92	98	562102	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	8.20	79	104434	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.66	63	189273	91.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	288780	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	226252	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	215519	46.492	ug/L	100
3) Chloromethane	1.54	50	168186	44.362	ug/L	100
5) Vinyl chloride	1.62	62	190251	45.792	ug/L	99
6) Bromomethane	1.87	94	75025	47.044	ug/L	100
8) Chloroethane	1.95	64	112691	46.298	ug/L	97
9) Trichlorofluoromethane	2.16	101	304479	47.999	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	145465	49.100	ug/L	97
12) 1,1-Dichloroethene	2.60	96	126305	47.181	ug/L	92
13) Acetone	2.65	43	247526	93.903	ug/L	98
14) Carbon disulfide	2.82	76	351011	46.248	ug/L	99
15) Methyl Acetate	2.98	43	172834	41.687	ug/L	97
16) Methylene chloride	3.08	84	153542	45.951	ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	134051	47.795	ug/L	92
18) Methyl tert-butyl Ether	3.40	73	500575	46.216	ug/L	98
19) 1,1-Dichloroethane	3.91	63	282233	44.971	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	161528	47.614	ug/L	97
22) 2-Butanone	4.75	43	287016	86.090	ug/L	97

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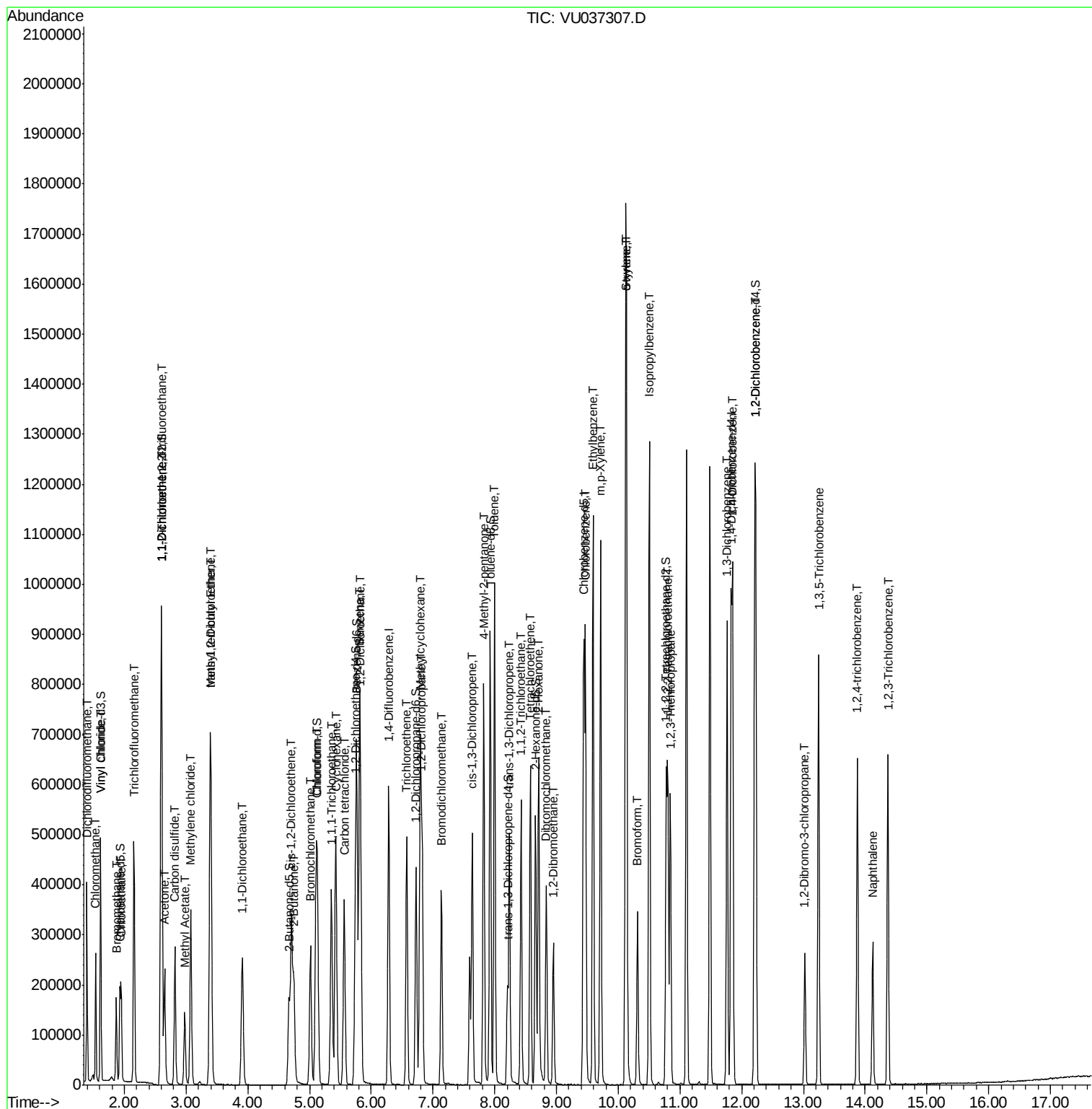
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	80003	46.764	ug/L	95
25) Chloroform	5.13	83	311412	45.888	ug/L	97
27) 1,2-Dichloroethane	5.83	62	267589	44.254	ug/L	99
29) Cyclohexane	5.43	56	237515	45.270	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	280671	47.647	ug/L	98
31) Carbon tetrachloride	5.56	117	248054	47.659	ug/L	100
33) Benzene	5.81	78	617686	47.220	ug/L	100
34) Trichloroethene	6.57	95	161272	47.445	ug/L	98
35) Methylcyclohexane	6.79	83	255823	49.710	ug/L	97
37) 1,2-Dichloropropane	6.83	63	168852	45.411	ug/L	99
38) Bromodichloromethane	7.14	83	240539	46.272	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	269937	46.821	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	511078	84.436	ug/L	98
42) Toluene	8.00	91	691088	48.379	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	262543	48.231	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	163322	48.240	ug/L	97
46) Tetrachloroethene	8.58	164	131255	51.975	ug/L	96
48) 2-Hexanone	8.71	43	407618	85.455	ug/L	96
49) Dibromochloromethane	8.83	129	195679	49.127	ug/L	100
50) 1,2-Dibromoethane	8.95	107	174750	47.829	ug/L	99
51) Chlorobenzene	9.47	112	435020	48.424	ug/L	100
52) Ethylbenzene	9.59	91	789018	47.702	ug/L	98
53) m,p-Xylene	9.72	106	292729	50.036	ug/L	96
54) o-xylene	10.12	106	283462	49.042	ug/L	94
55) Styrene	10.13	104	490672	50.059	ug/L	96
56) Isopropylbenzene	10.50	105	784786	48.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	285674	46.226	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	233358	45.148	ug/L	98
61) Bromoform	10.31	173	150055	47.218	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	352066	48.819	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	354102	48.581	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	351970	47.784	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	66164	40.744	ug/L	87
67) 1,3,5-Trichlorobenzene	13.25	180	253621	48.256	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	191367	46.630	ug/L	98
69) Naphthalene	14.12	128	223275	35.874	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	193535	44.938	ug/L	98

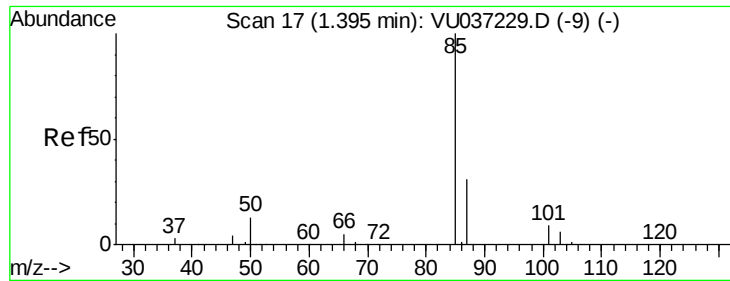
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.492 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

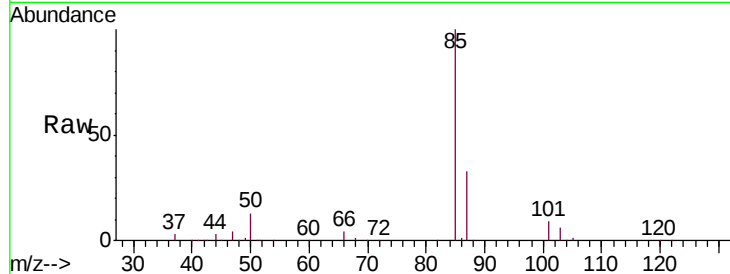
BFB31

Tgt Ion: 85 Resp: 215519

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037229.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037229.D (-9) (-)

1.39

250000

200000

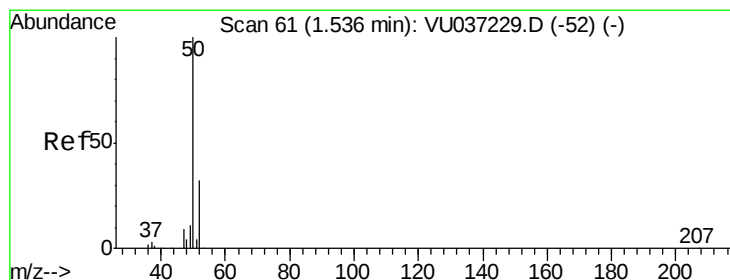
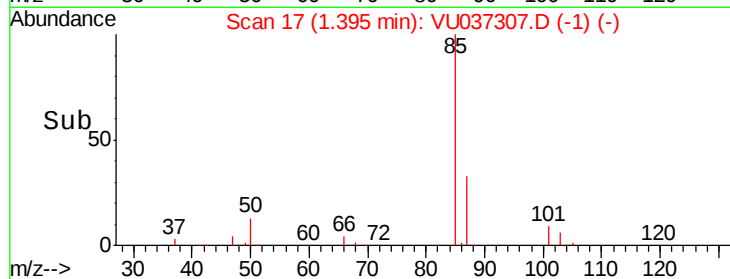
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.362 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037307.D

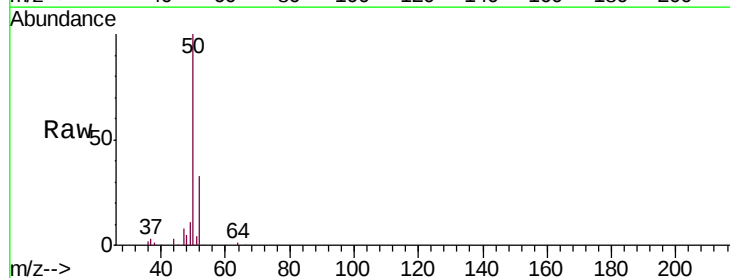
Acq: 17 Mar 2020 10:53

Tgt Ion: 50 Resp: 168186

Ion Ratio Lower Upper

50 100

52 33.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU037229.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037229.D (-52) (-)

1.54

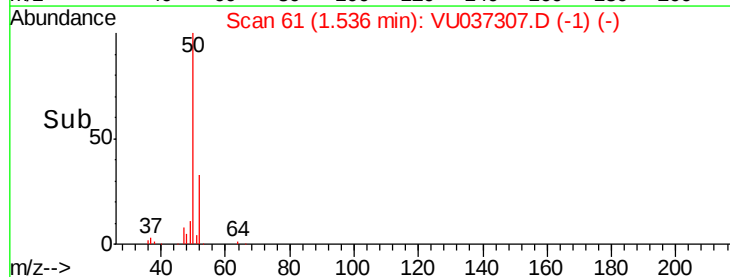
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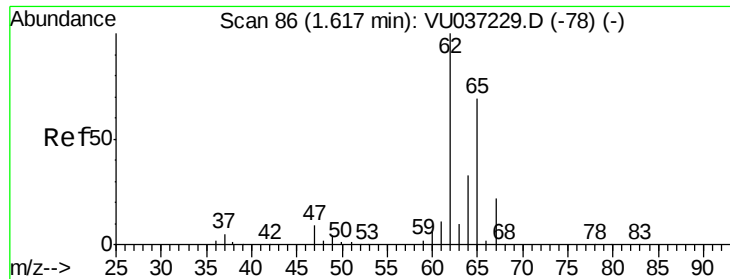
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.792 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

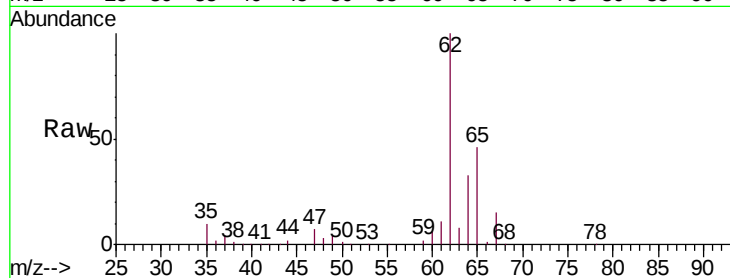
BFB31

Tgt Ion: 62 Resp: 190251

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

200000

150000

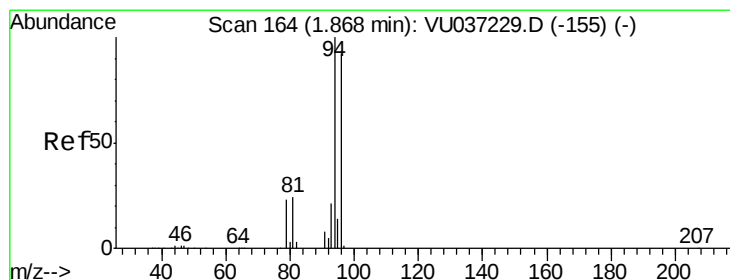
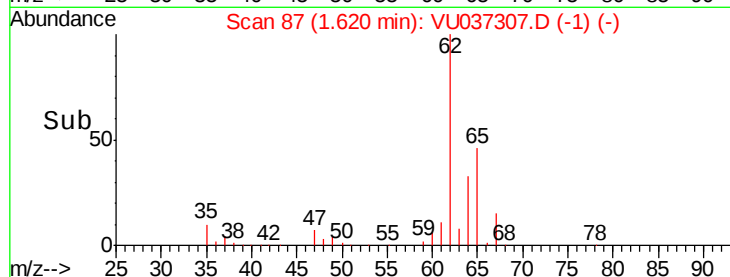
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 47.044 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037307.D

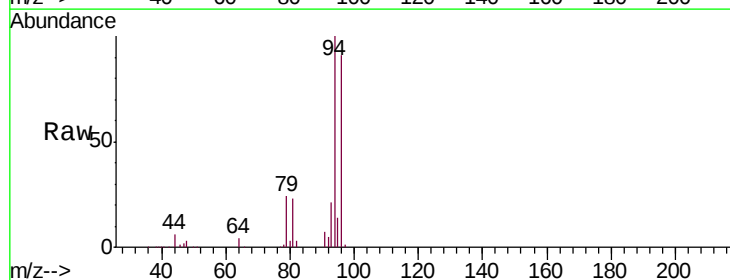
Acq: 17 Mar 2020 10:53

Tgt Ion: 94 Resp: 75025

Ion Ratio Lower Upper

94 100

96 91.1 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

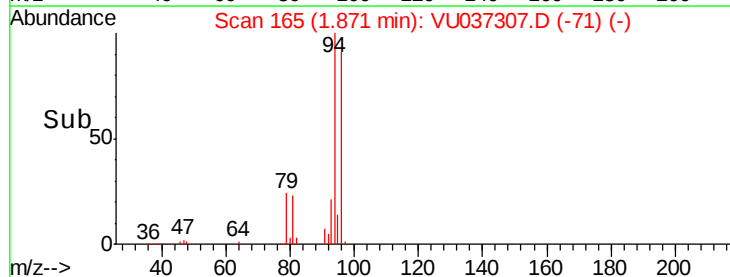
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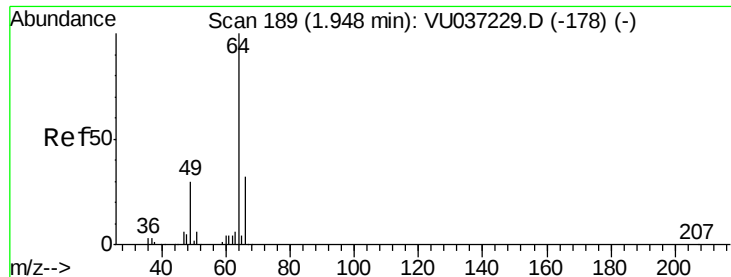
10000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 46.298 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

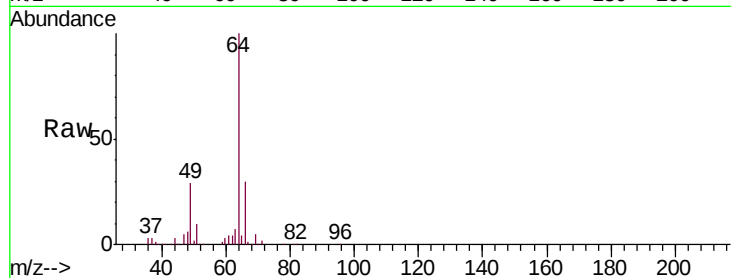
BFB31

Tgt Ion: 64 Resp: 112691

Ion Ratio Lower Upper

64 100

66 30.4 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU037229.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU037229.D (-178) (-)

1.95

80000

60000

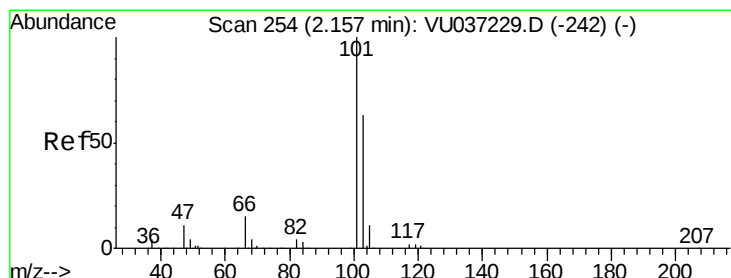
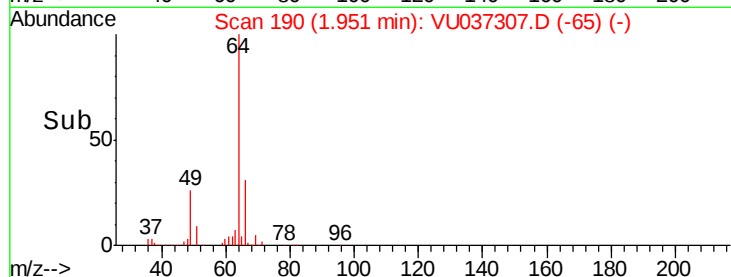
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 47.999 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037307.D

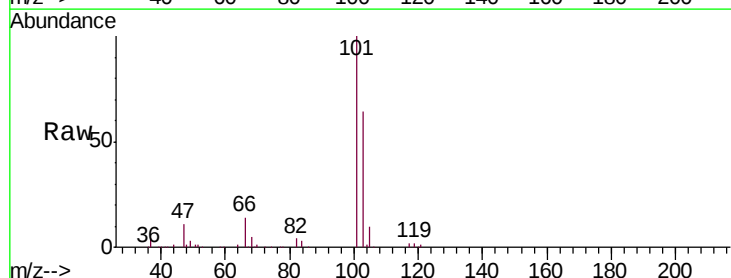
Acq: 17 Mar 2020 10:53

Tgt Ion: 101 Resp: 304479

Ion Ratio Lower Upper

101 100

103 64.2 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU037229.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037229.D (-242) (-)

2.16

250000

200000

150000

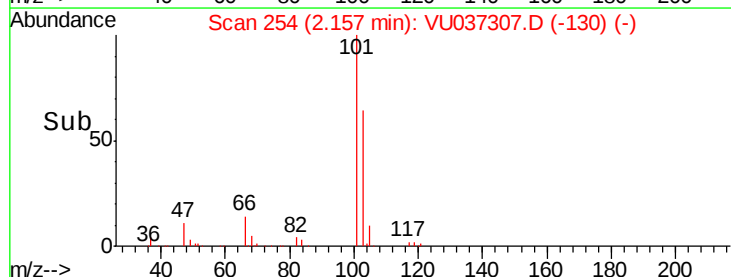
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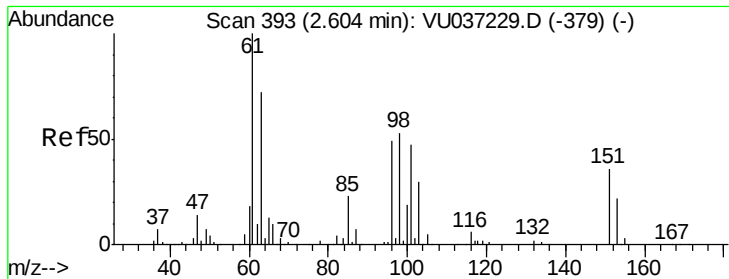
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 49.100 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampled :

BFB31

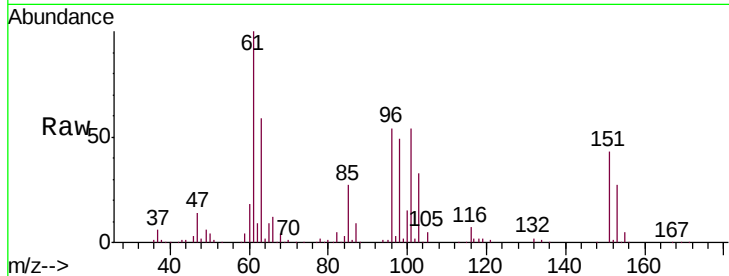
Tgt Ion: 101 Resp: 145465

Ion Ratio Lower Upper

101 100

85 47.3 37.8 56.6

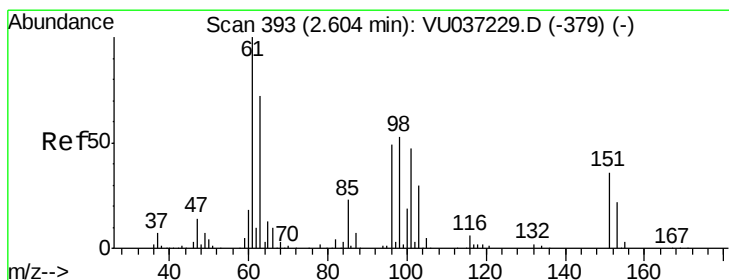
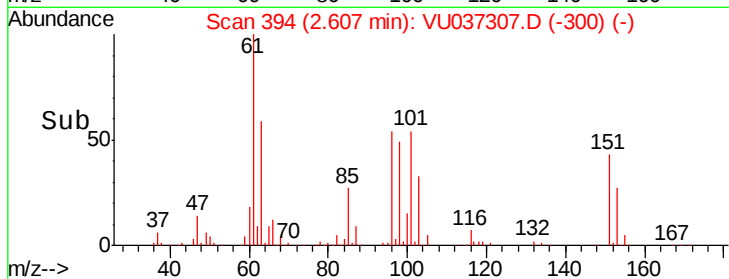
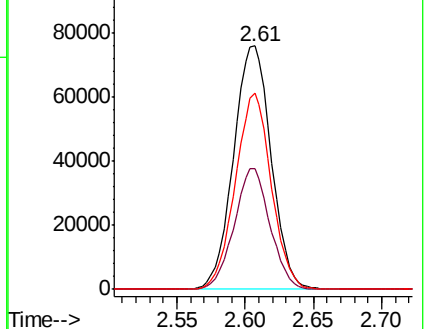
151 77.0 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.181 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037307.D

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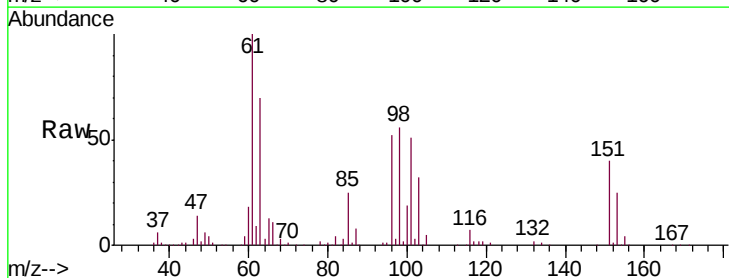
Tgt Ion: 96 Resp: 126305

Ion Ratio Lower Upper

96 100

61 191.6 138.8 257.8

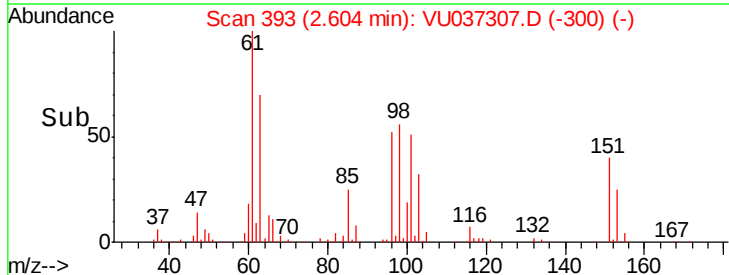
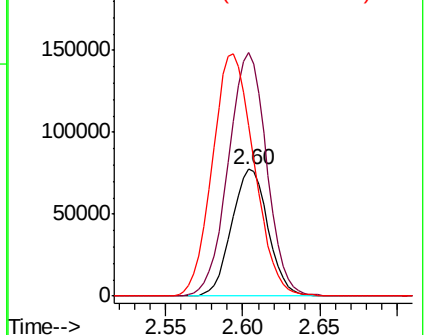
63 134.8 106.4 197.6

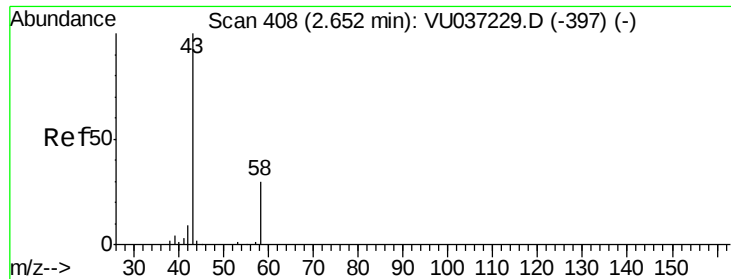


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.903 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

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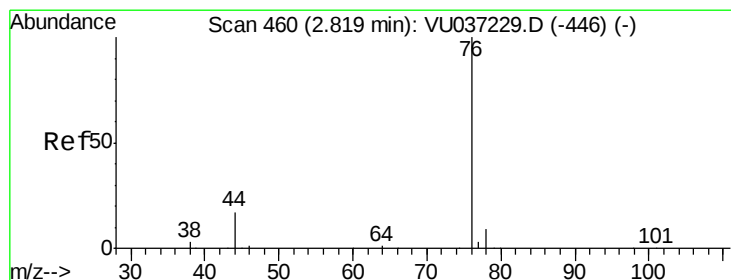
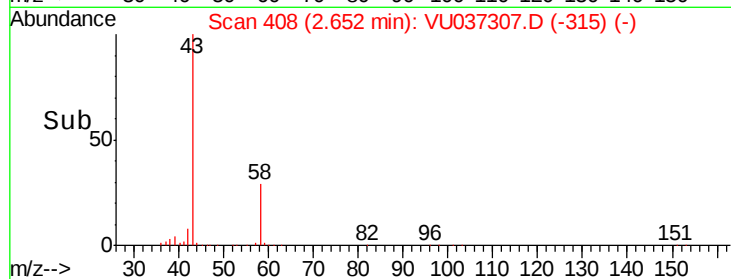
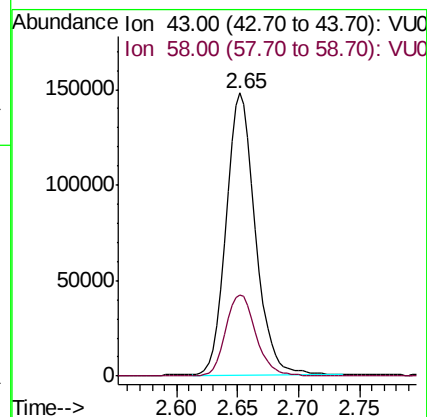
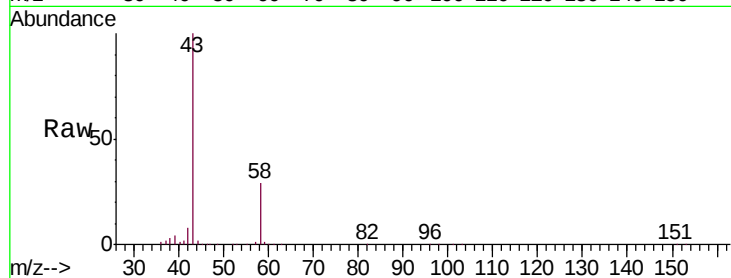
BFB31

Tgt Ion: 43 Resp: 247526

Ion Ratio Lower Upper

43 100

58 29.8 0.0 57.2



#14

Carbon disulfide

Concen: 46.248 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037307.D

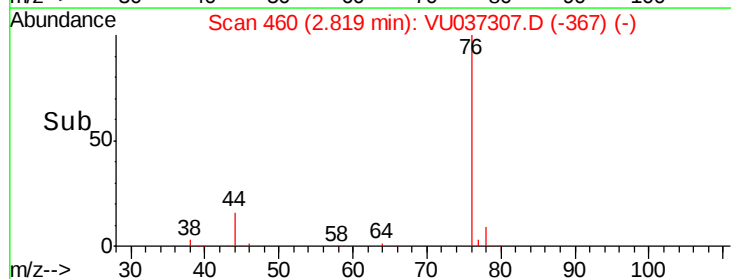
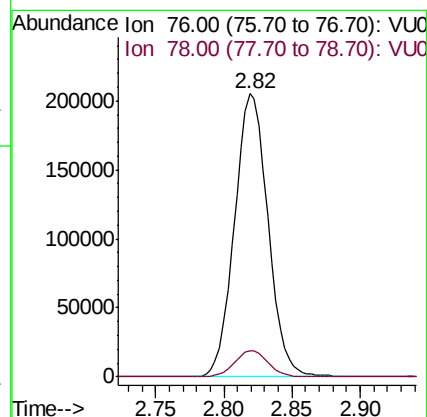
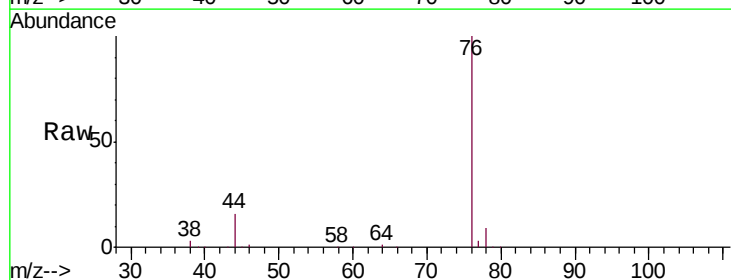
Acq: 17 Mar 2020 10:53

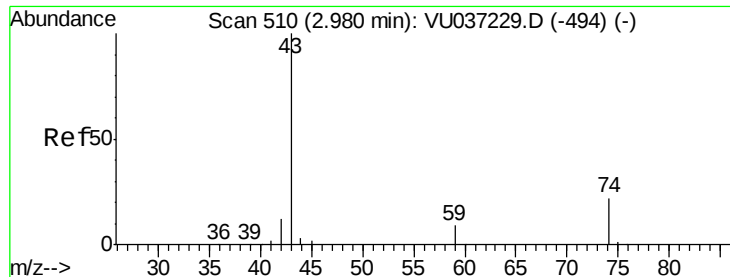
Tgt Ion: 76 Resp: 351011

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

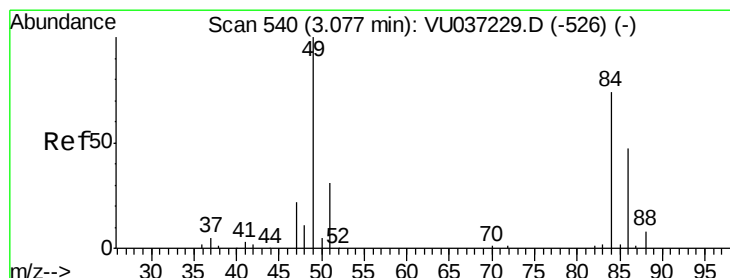
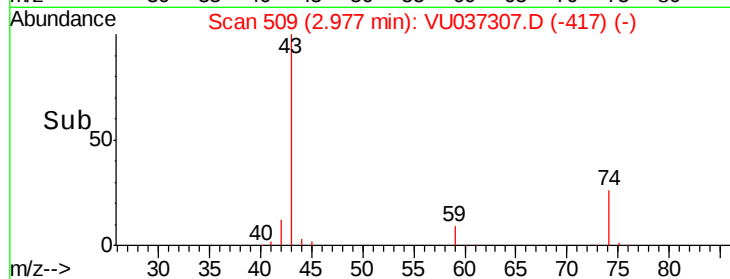
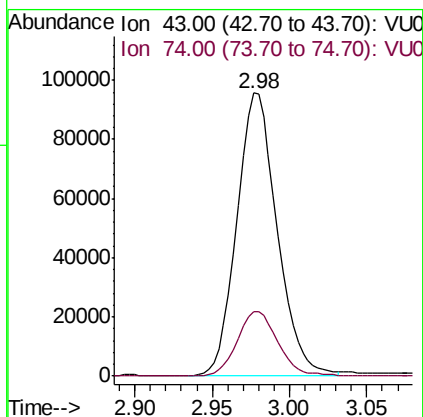
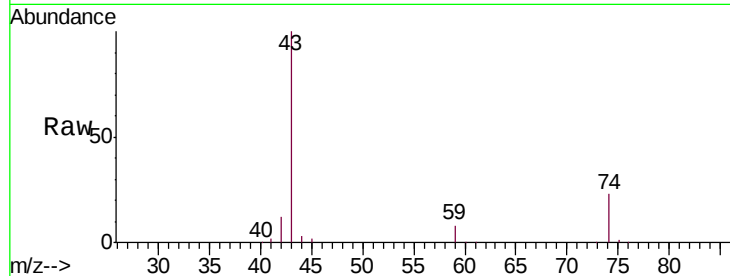




#15
Methyl Acetate
Concen: 41.687 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

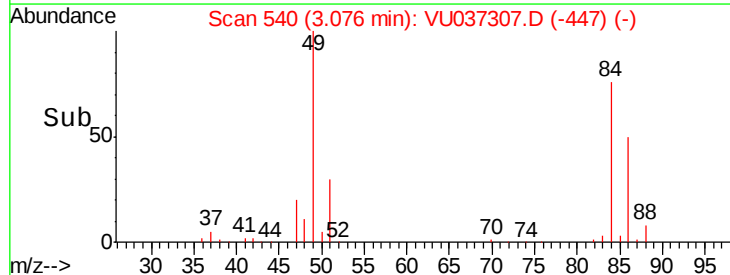
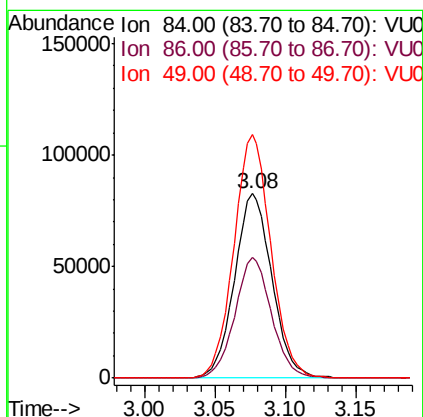
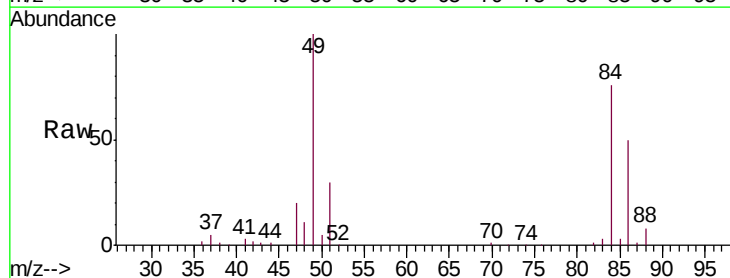
Instrument :
MSVOA_U
ClientSampled :
BFB31

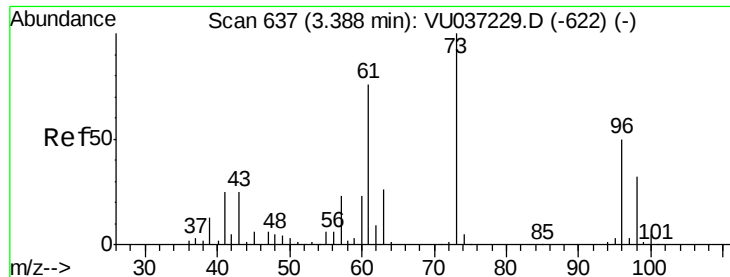
Tgt Ion: 43 Resp: 172834
Ion Ratio Lower Upper
43 100
74 23.2 17.4 26.0



#16
Methylene chloride
Concen: 45.951 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion: 84 Resp: 153542
Ion Ratio Lower Upper
84 100
86 65.6 44.0 81.6
49 132.2 98.6 183.2





#17

trans-1,2-Dichloroethene

Concen: 47.795 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampled :

BFB31

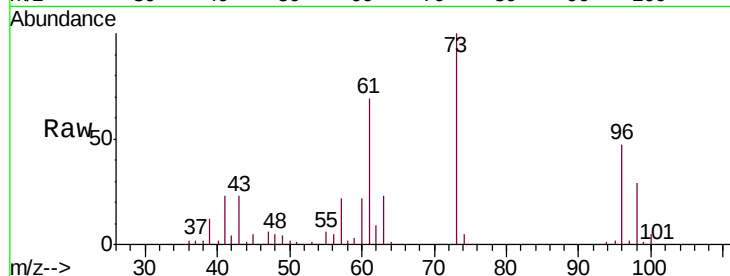
Tgt Ion: 96 Resp: 134051

Ion Ratio Lower Upper

96 100

61 149.0 112.3 208.5

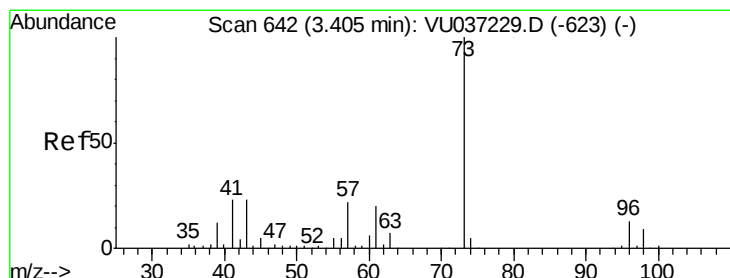
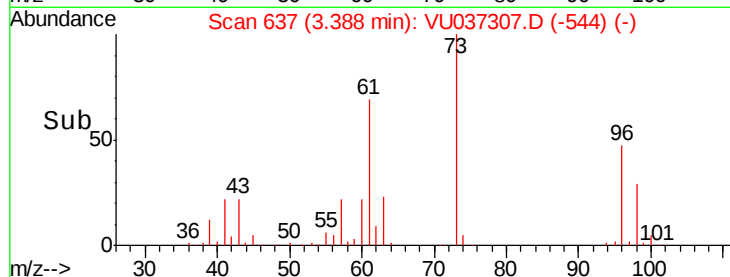
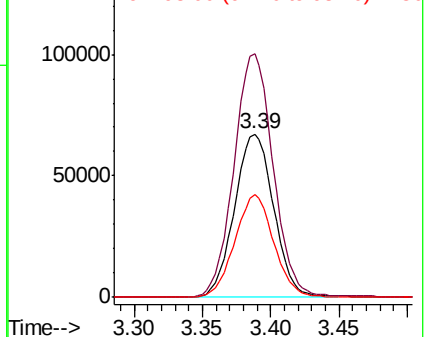
98 62.8 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 46.216 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

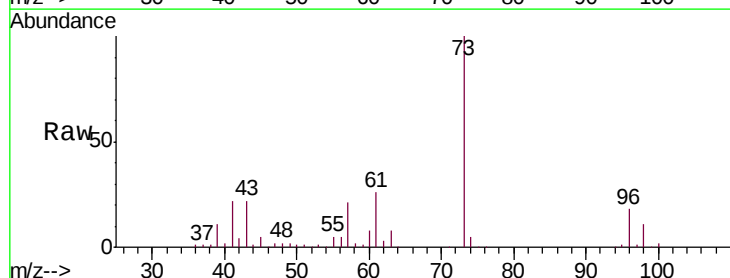
Tgt Ion: 73 Resp: 500575

Ion Ratio Lower Upper

73 100

43 22.0 18.5 27.7

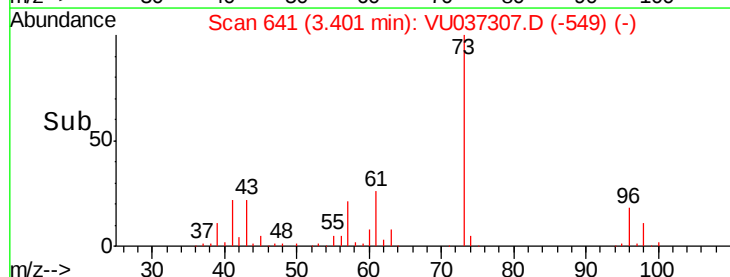
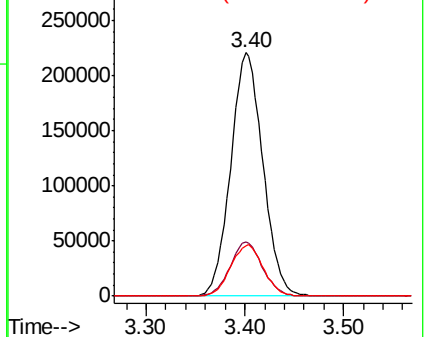
57 21.4 17.7 26.5

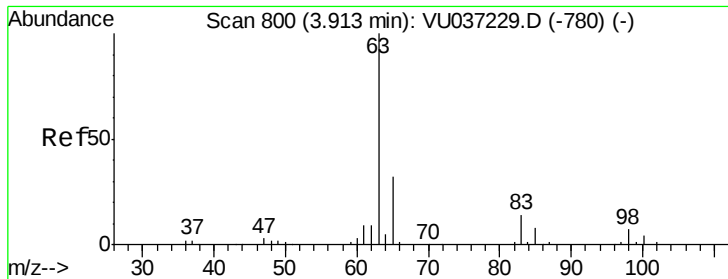


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

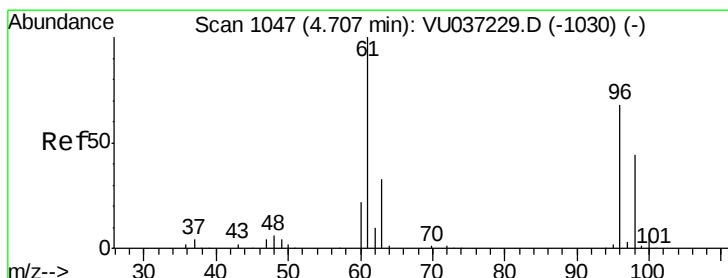
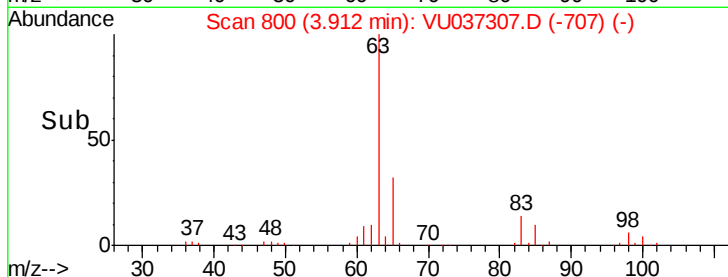
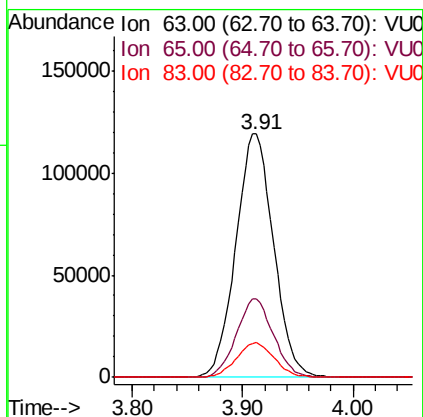
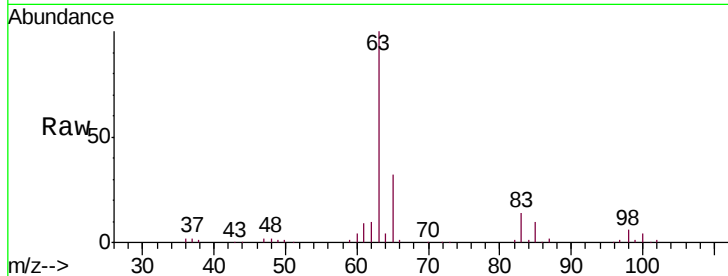




#19
 1,1-Dichloroethane
 Concen: 44.971 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

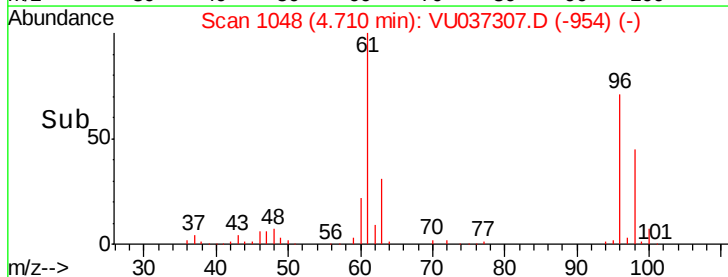
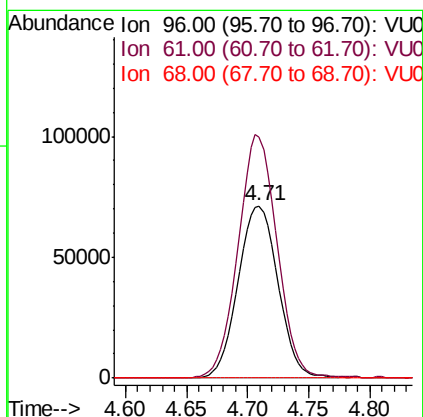
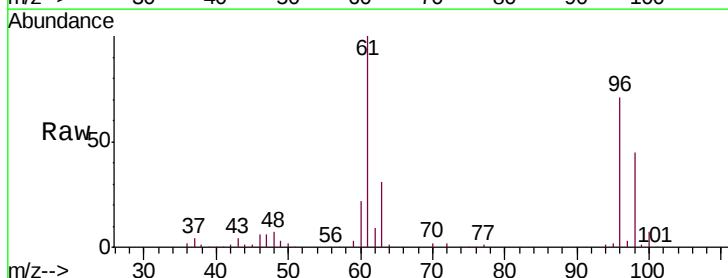
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

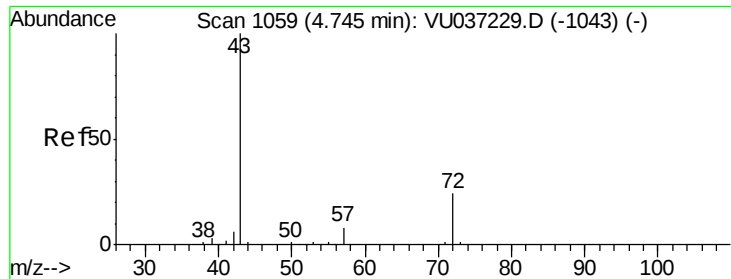
Tgt Ion: 63 Resp: 282233
 Ion Ratio Lower Upper
 63 100
 65 32.1 20.8 38.6
 83 14.1 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 47.614 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion: 96 Resp: 161528
 Ion Ratio Lower Upper
 96 100
 61 140.6 101.2 187.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 86.090 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampled :

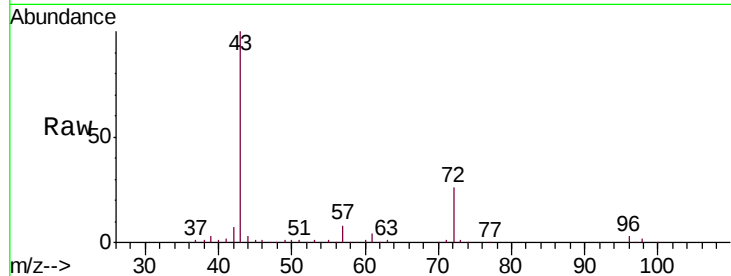
BFB31

Tgt Ion: 43 Resp: 287016

Ion Ratio Lower Upper

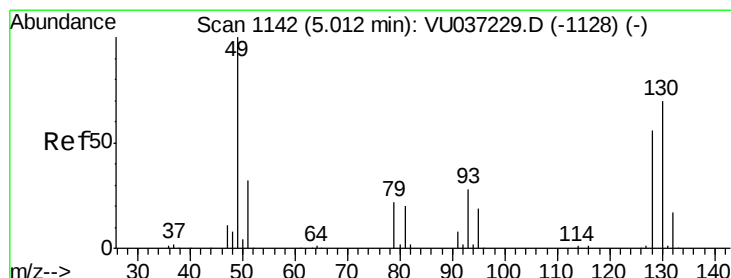
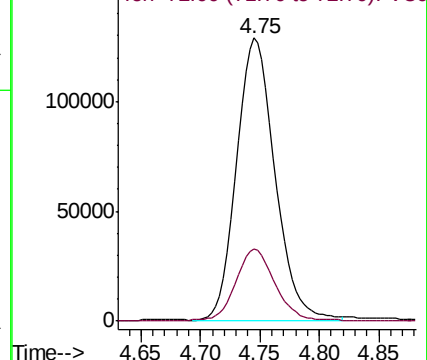
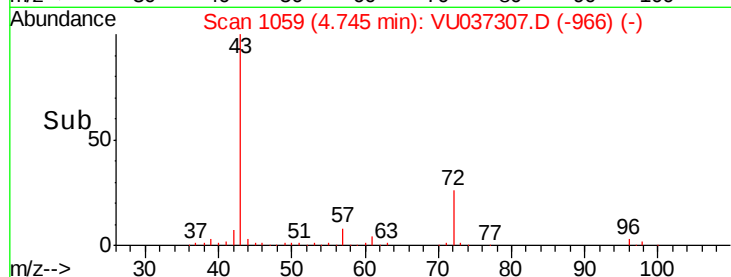
43 100

72 26.2 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU037307.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037307.D (-966) (-)



#23

Bromochloromethane

Concen: 46.764 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Tgt Ion: 128 Resp: 80003

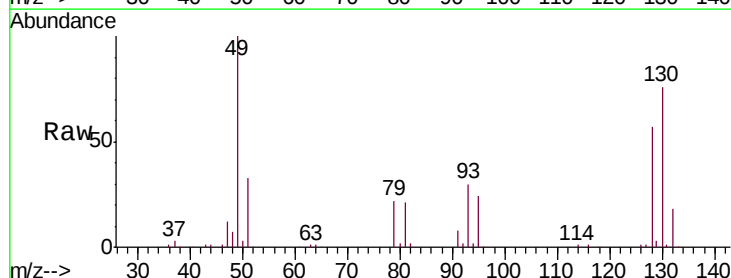
Ion Ratio Lower Upper

128 100

49 175.6 128.4 238.5

130 133.1 90.6 168.2

51 58.0 50.0 75.0

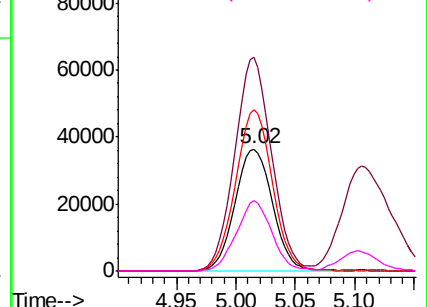
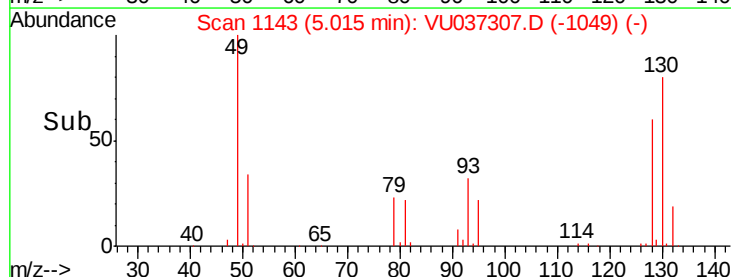


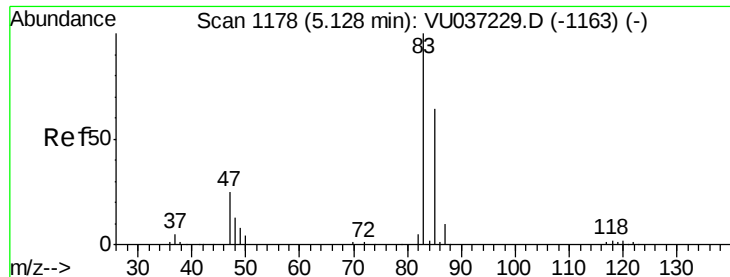
Abundance Ion 128.00 (127.70 to 128.70): VU037307.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037307.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037307.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037307.D (-1049) (-)

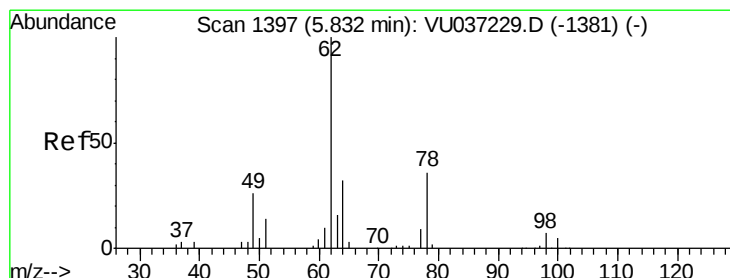
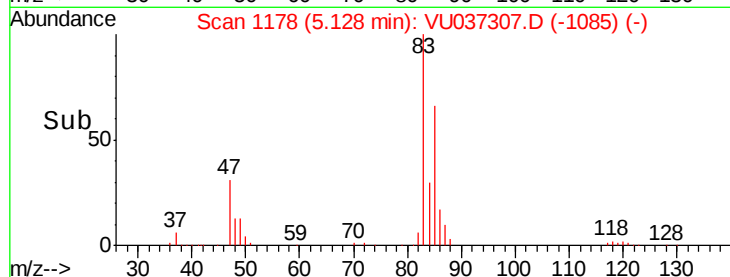
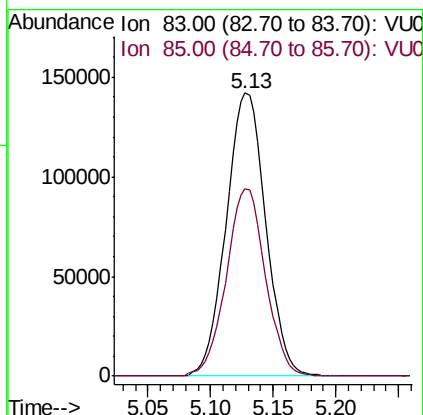
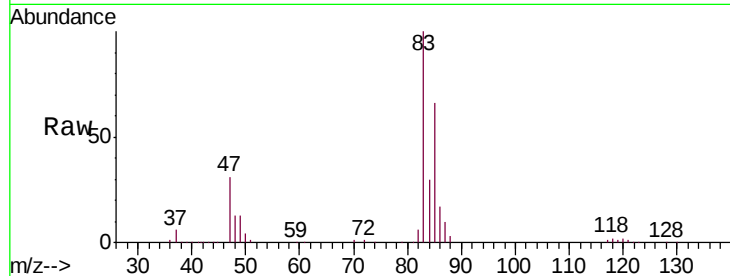




#25
Chloroform
Concen: 45.888 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

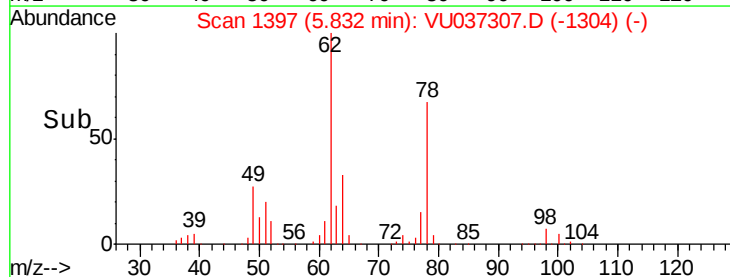
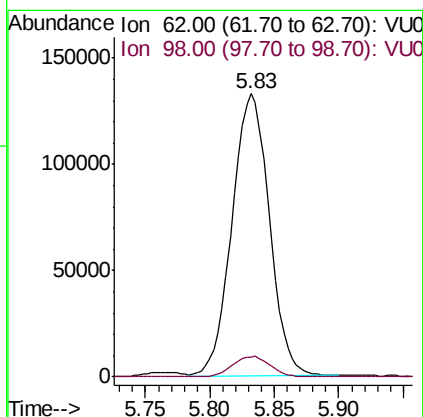
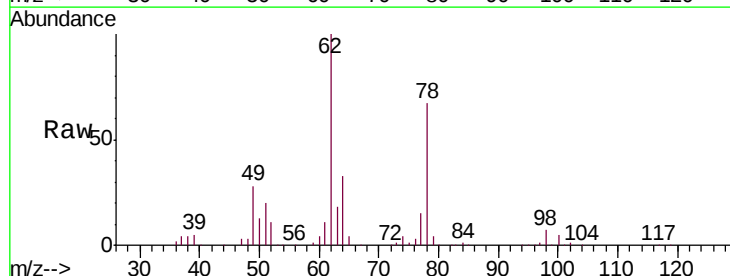
Instrument :
MSVOA_U
ClientSampleId :
BFB31

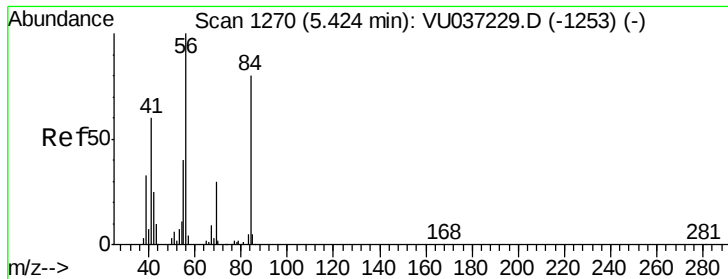
Tgt Ion: 83 Resp: 311412
Ion Ratio Lower Upper
83 100
85 66.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 44.254 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion: 62 Resp: 267589
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4

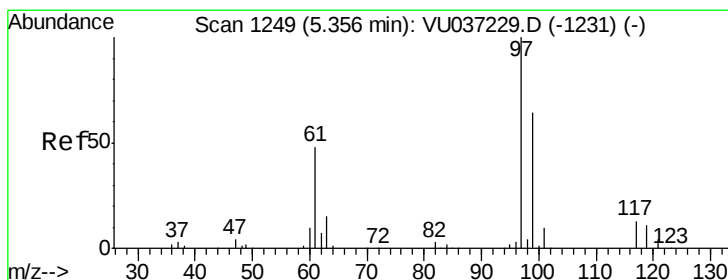
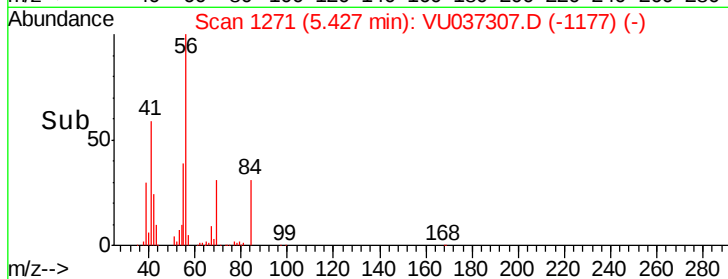
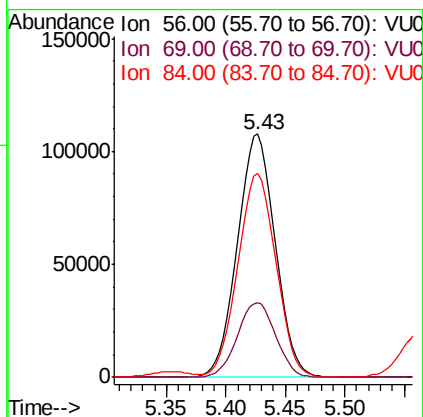
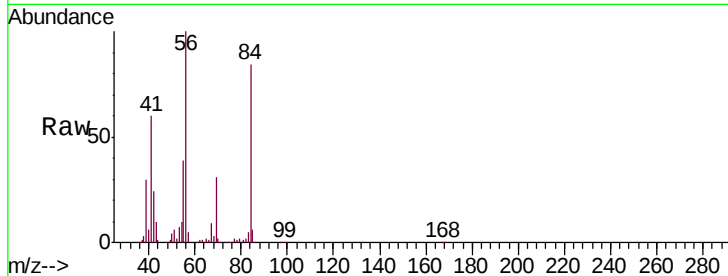




#29
Cyclohexane
Concen: 45.270 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

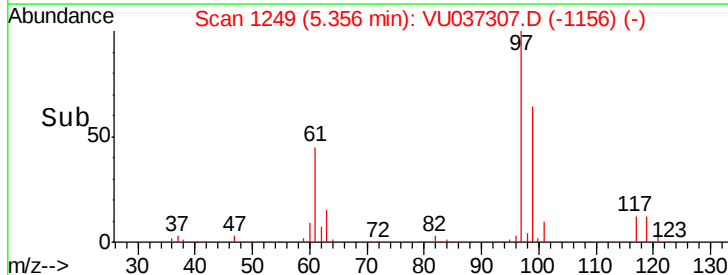
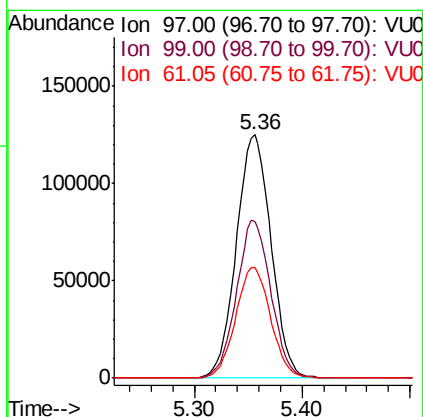
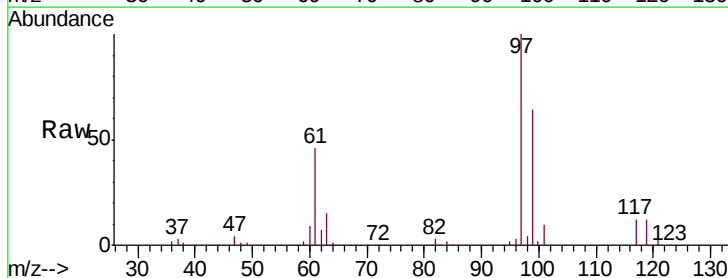
Instrument :
MSVOA_U
ClientSampleId :
BFB31

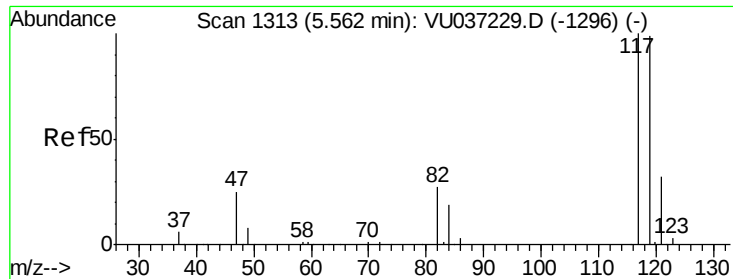
Tgt Ion: 56 Resp: 237515
Ion Ratio Lower Upper
56 100
69 31.0 23.9 35.9
84 84.7 64.0 96.0



#30
1,1,1-Trichloroethane
Concen: 47.647 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion: 97 Resp: 280671
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 45.8 39.0 58.4





#31

Carbon tetrachloride

Concen: 47.659 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

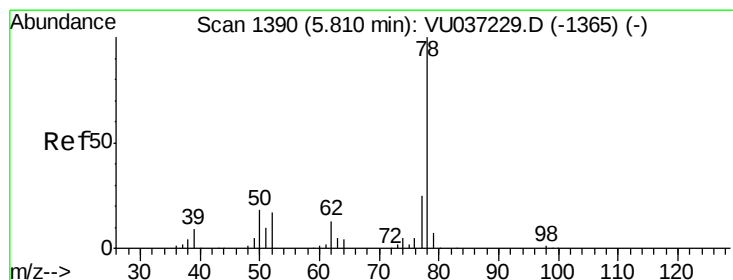
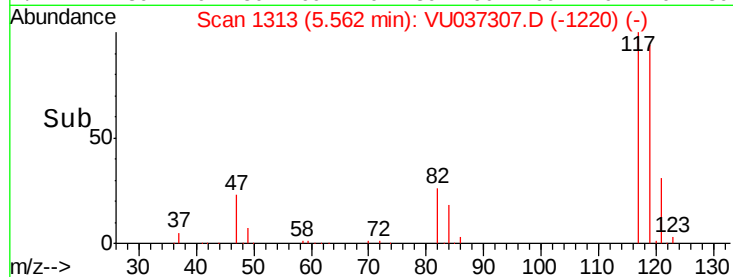
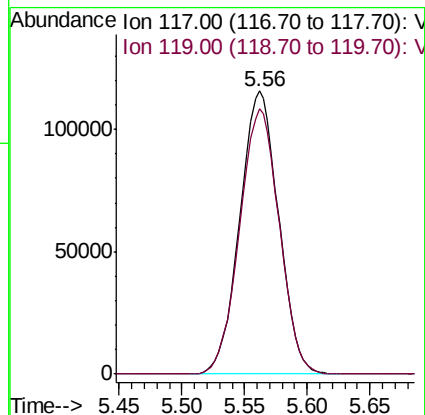
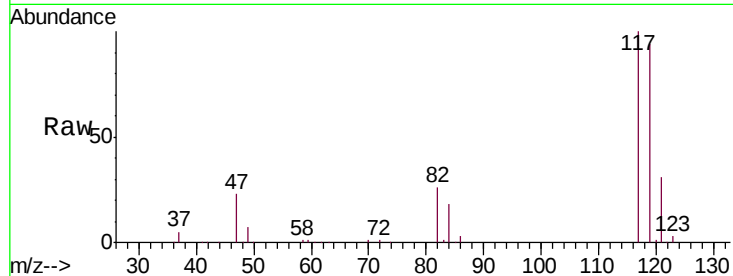
BFB31

Tgt Ion:117 Resp: 248054

Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2



#33

Benzene

Concen: 47.220 ug/L

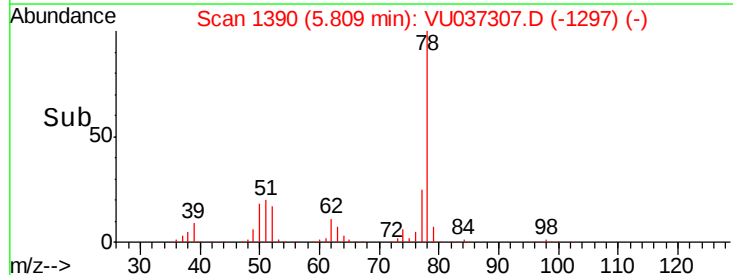
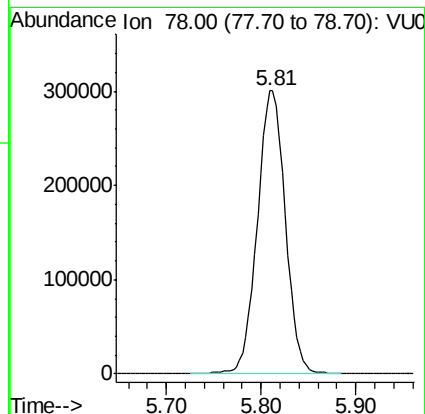
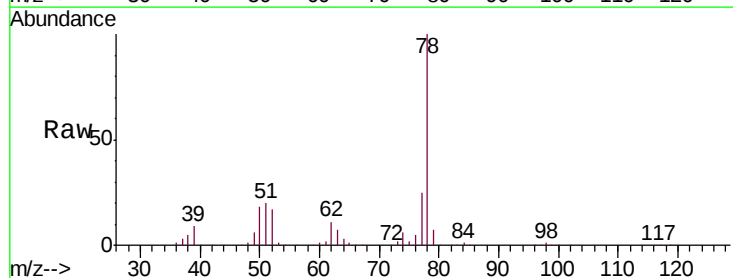
RT: 5.81 min Scan# 1390

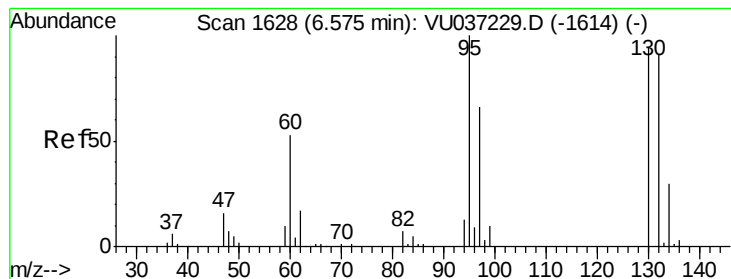
Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Tgt Ion: 78 Resp: 617686





#34

Trichloroethene

Concen: 47.445 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

BFB31

Tgt Ion: 95 Resp: 161272

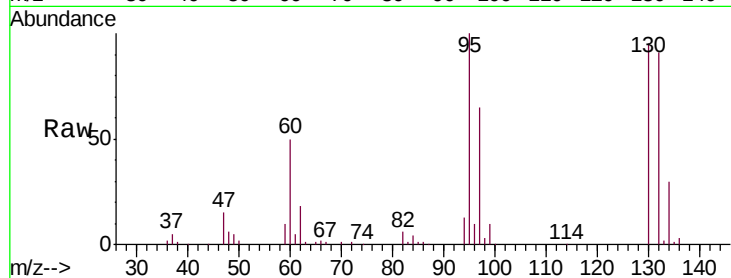
Ion Ratio Lower Upper

95 100

97 64.8 43.8 81.4

132 90.6 62.6 116.3

130 95.1 64.8 120.4

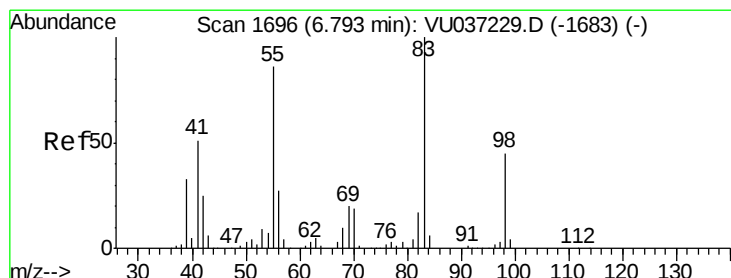
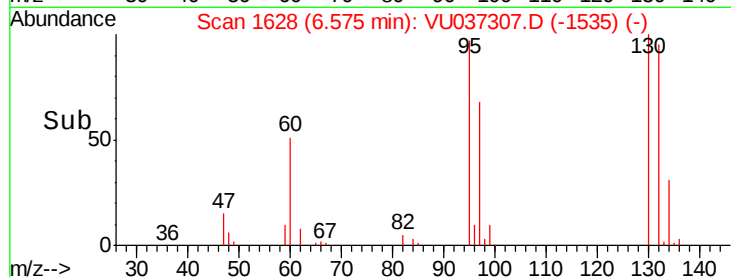
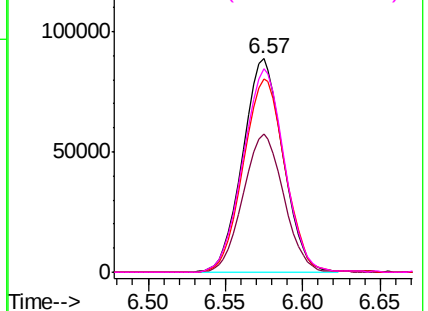


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.710 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

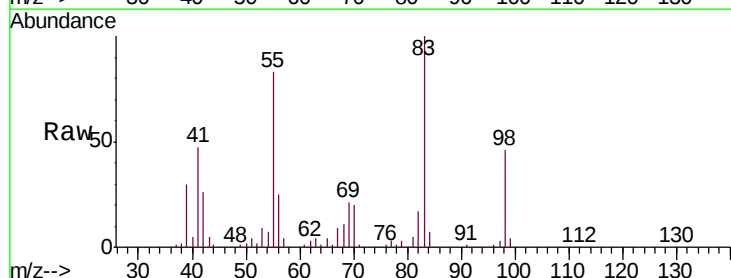
Tgt Ion: 83 Resp: 255823

Ion Ratio Lower Upper

83 100

55 81.0 68.2 102.2

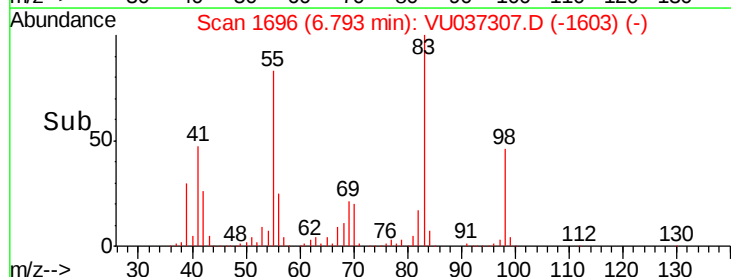
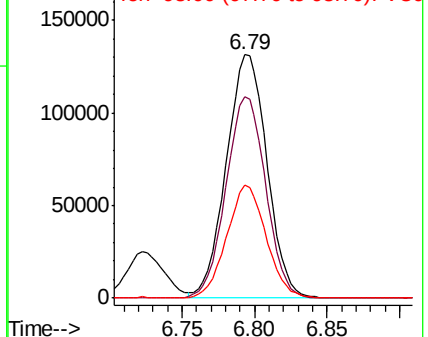
98 45.0 36.4 54.6

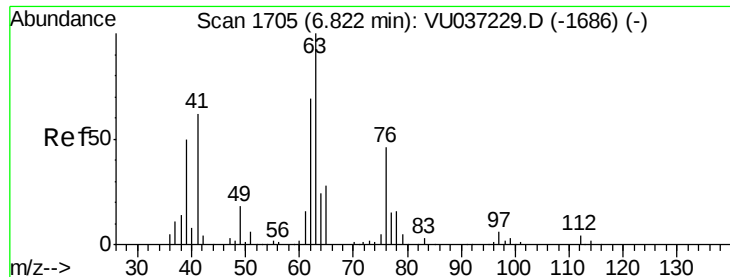


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 45.411 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampled :

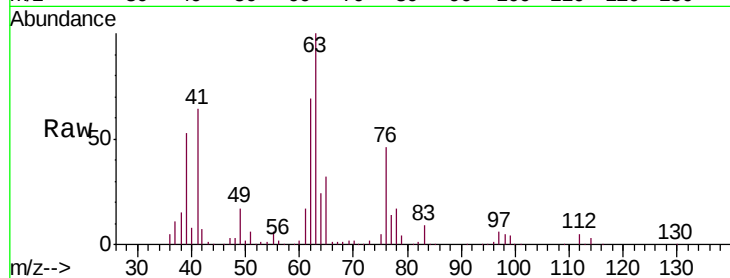
BFB31

Tgt Ion: 63 Resp: 168852

Ion Ratio Lower Upper

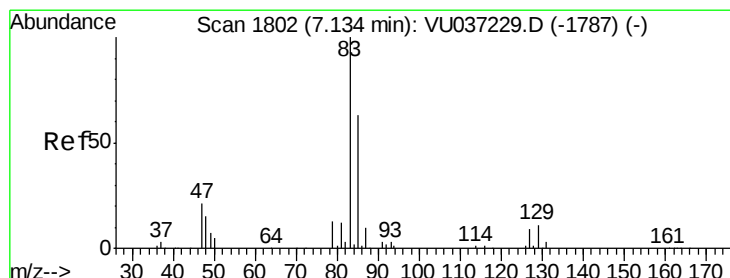
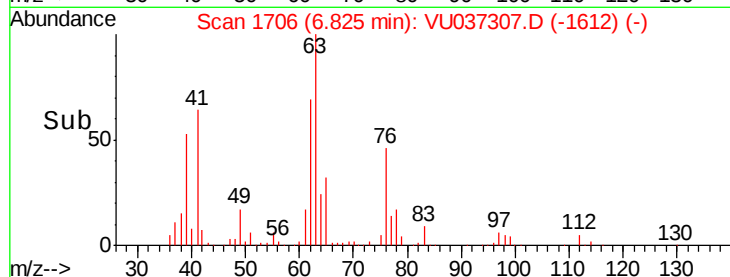
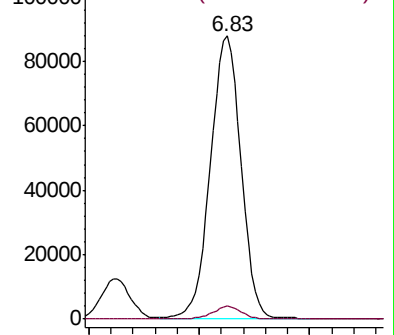
63 100

112 4.2 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 46.272 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

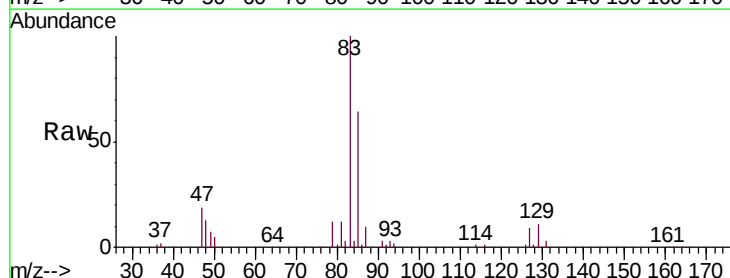
Tgt Ion: 83 Resp: 240539

Ion Ratio Lower Upper

83 100

85 63.9 45.7 84.9

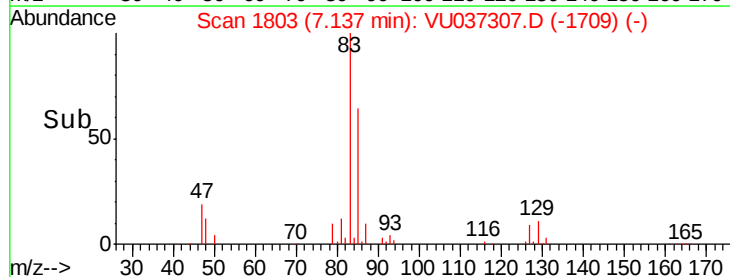
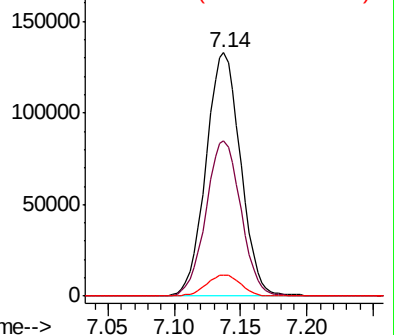
127 8.8 6.7 10.1

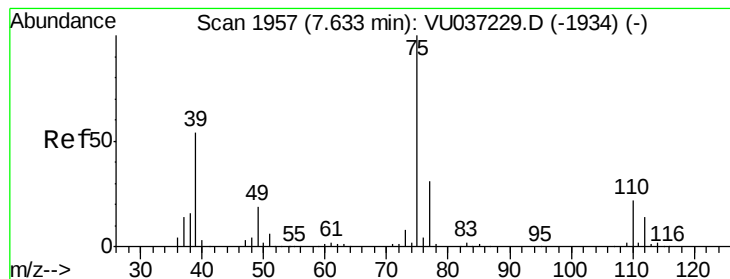


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



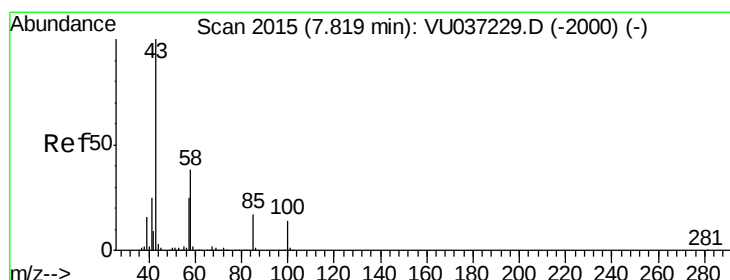
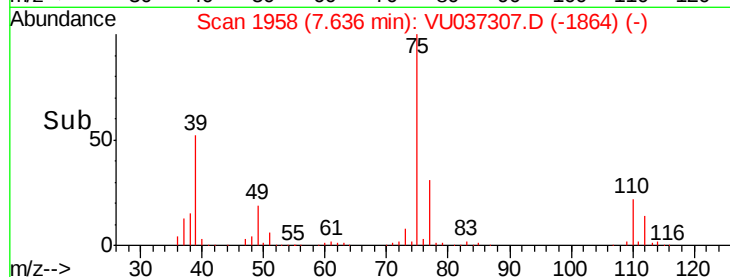
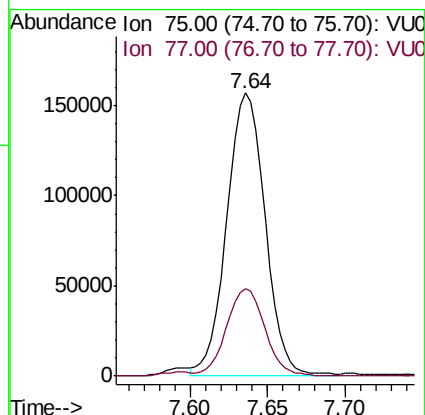
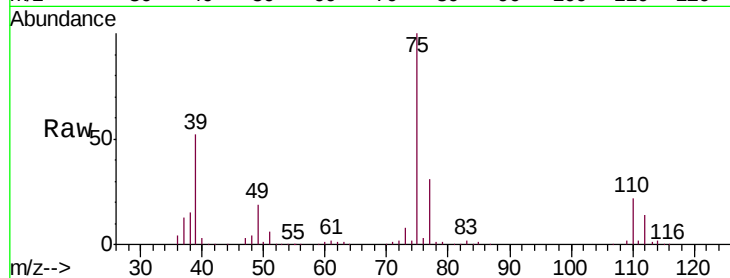


#39

cis-1,3-Dichloropropene
Concen: 46.821 ug/L
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Instrument :
MSVOA_U
ClientSampleId :
BFB31

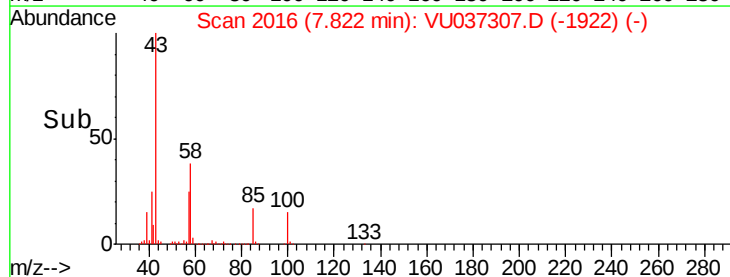
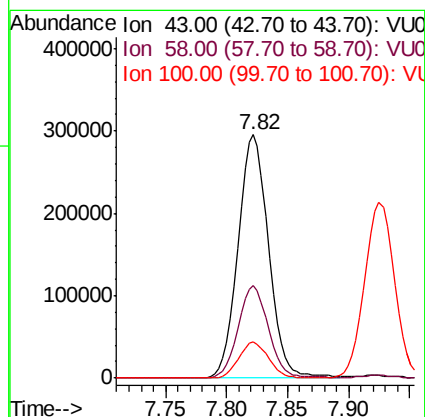
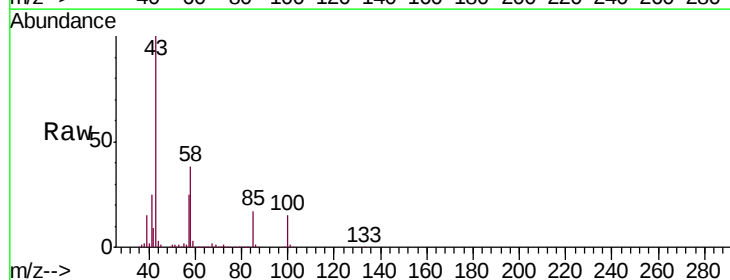
Tgt Ion: 75 Resp: 269937
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.9

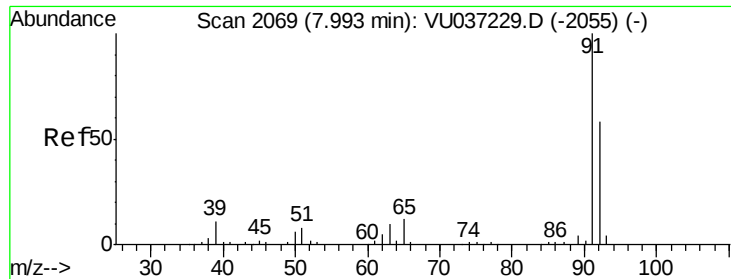


#40

4-Methyl-2-pentanone
Concen: 84.436 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion: 43 Resp: 511078
Ion Ratio Lower Upper
43 100
58 37.6 29.3 43.9
100 14.4 10.3 15.5





#42

Toluene

Concen: 48.379 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

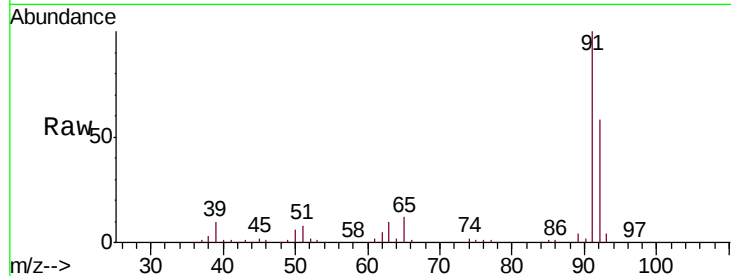
BFB31

Tgt Ion: 91 Resp: 691088

Ion Ratio Lower Upper

91 100

92 57.8 39.1 72.5



Abundance Ion 91.00 (90.70 to 91.70): VU037229.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037229.D (-2055) (-)

8.00

400000

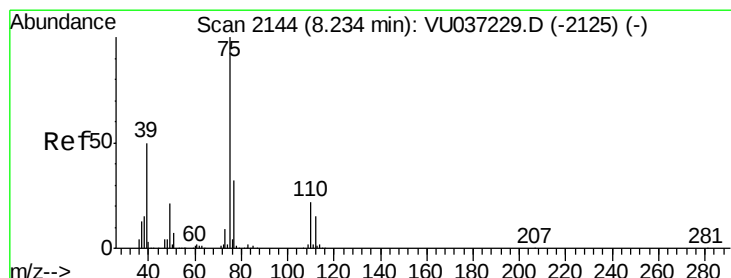
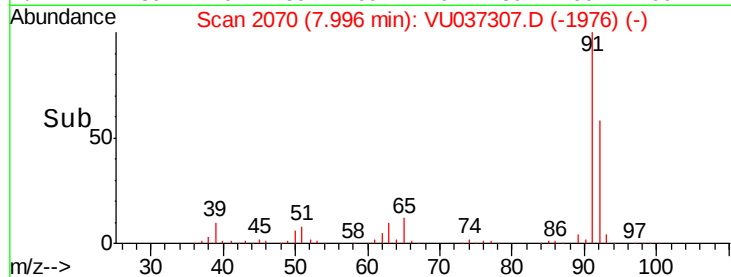
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.231 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037307.D

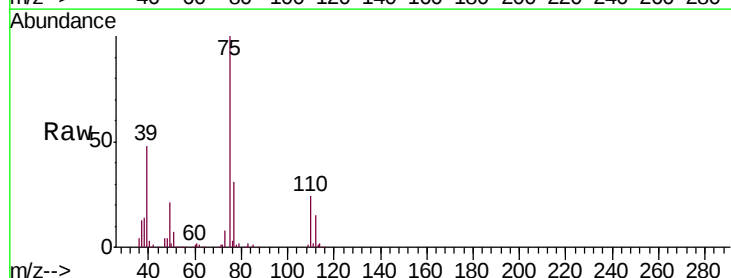
Acq: 17 Mar 2020 10:53

Tgt Ion: 75 Resp: 262543

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU037229.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU037229.D (-2125) (-)

8.24

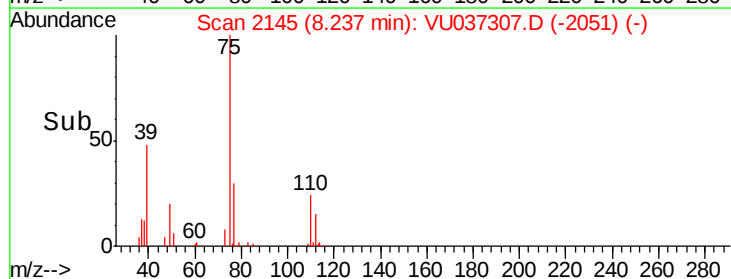
150000

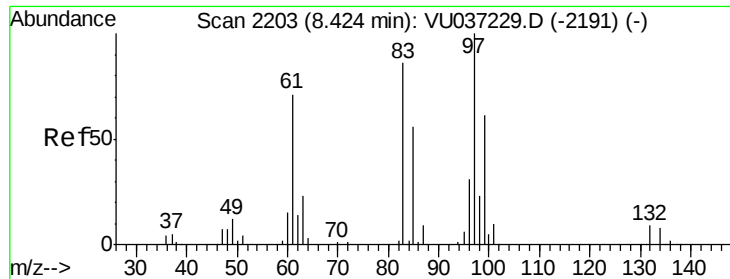
100000

50000

0

Time-->

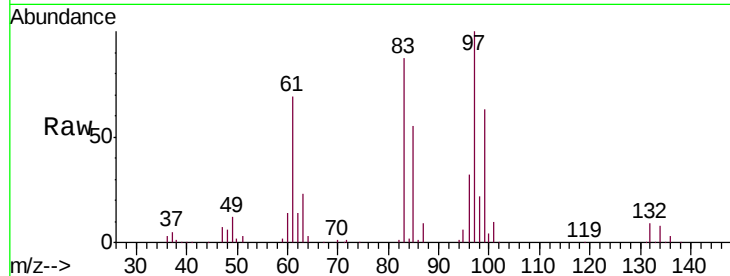




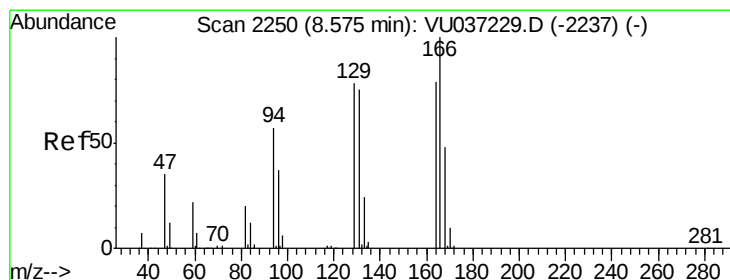
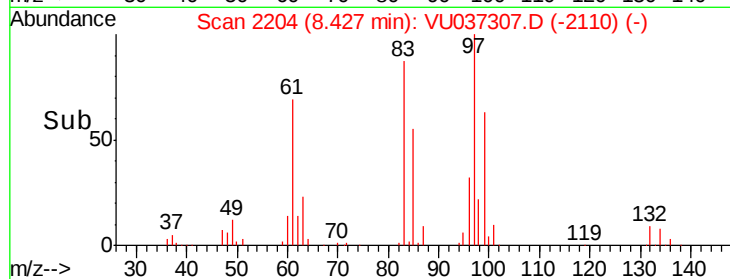
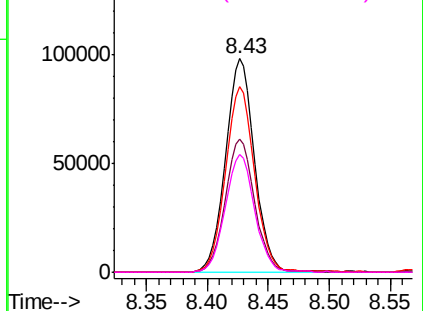
#45
 1,1,2-Trichloroethane
 Concen: 48.240 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

Tgt Ion:	97	Resp:	163322
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.5	80.9
83	87.2	62.4	116.0
85	55.1	41.9	77.7

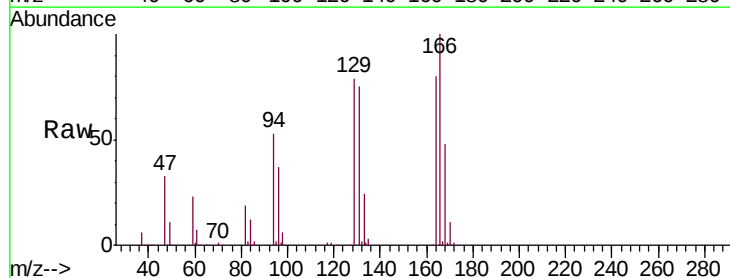


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

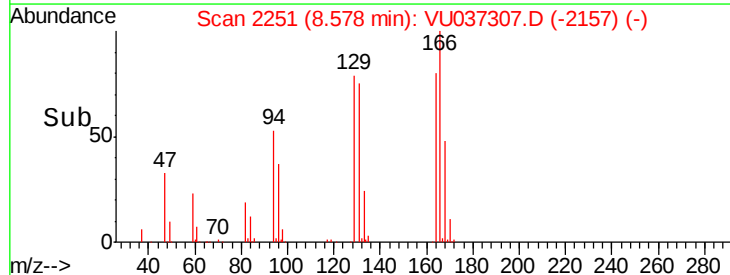
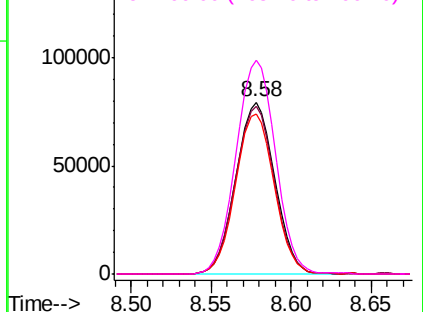


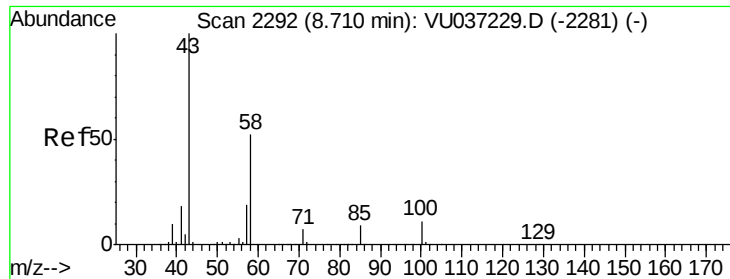
#46
 Tetrachloroethene
 Concen: 51.975 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion:	164	Resp:	131255
Ion	Ratio	Lower	Upper
164	100		
129	98.0	72.4	134.5
131	93.5	67.1	124.7
166	124.5	89.5	166.1



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

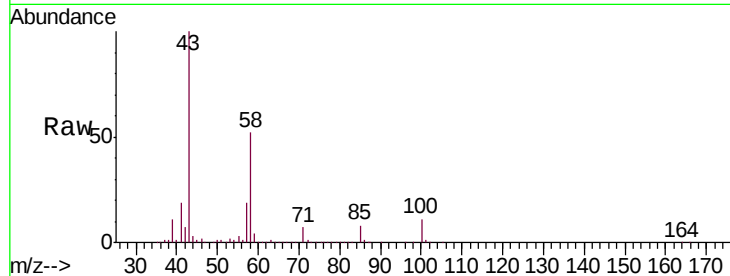




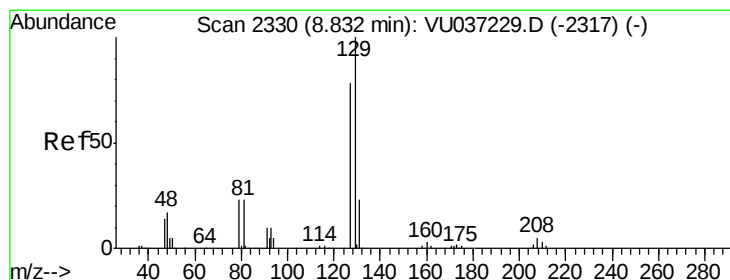
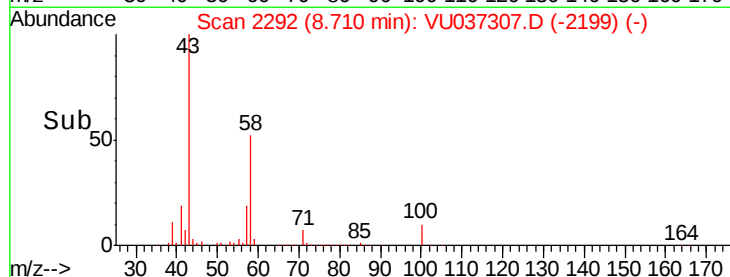
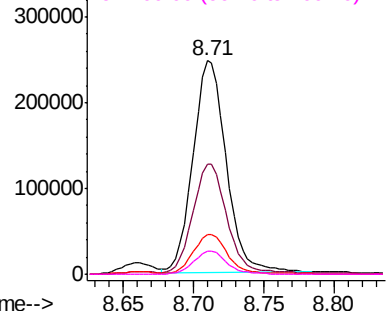
#48
2-Hexanone
Concen: 85.455 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Instrument :
MSVOA_U
ClientSampleId :
BFB31

Tgt Ion:	43	Resp:	407618
Ion	Ratio	Lower	Upper
43	100		
58	53.1	39.8	59.6
57	18.9	14.5	21.7
100	10.9	7.9	11.9

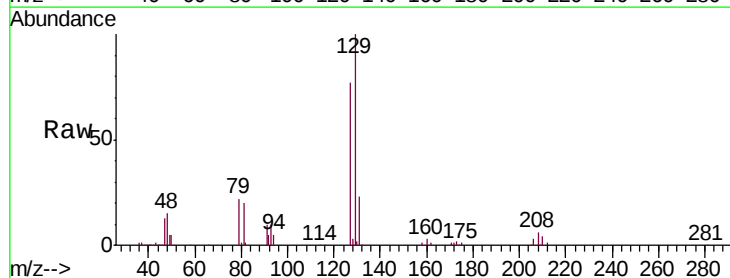


Abundance Ion 43.00 (42.70 to 43.70): VU037229.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU037229.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU037229.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU037229.D (-2281) (-)

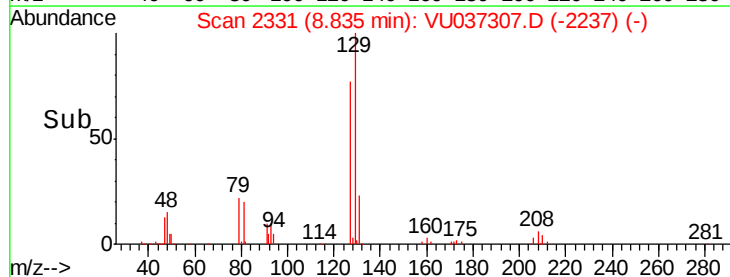
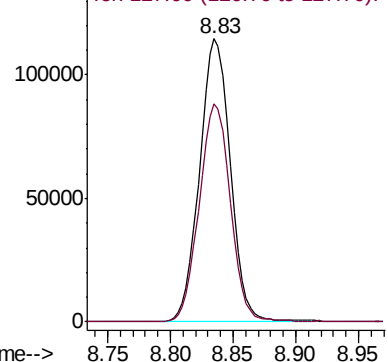


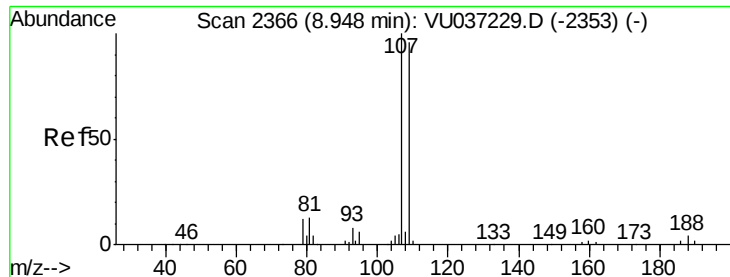
#49
Dibromochloromethane
Concen: 49.127 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion:	129	Resp:	195679
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VU037229.D (-2317) (-)
Ion 127.00 (126.70 to 127.70): VU037229.D (-2317) (-)

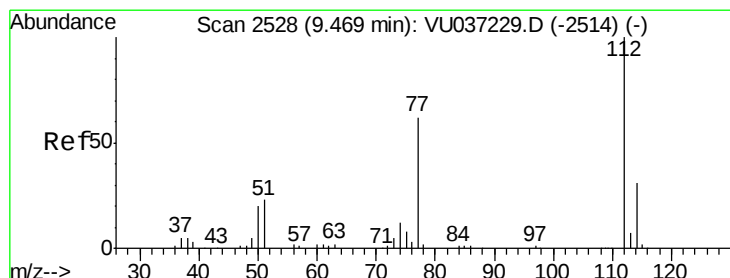
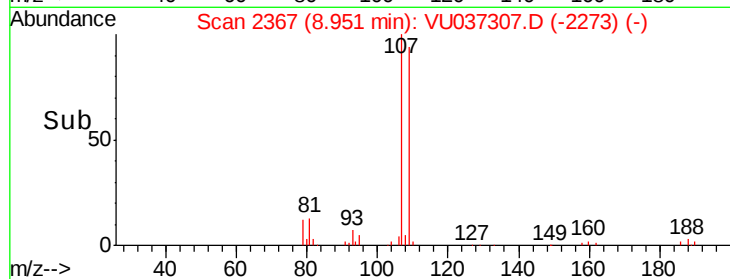
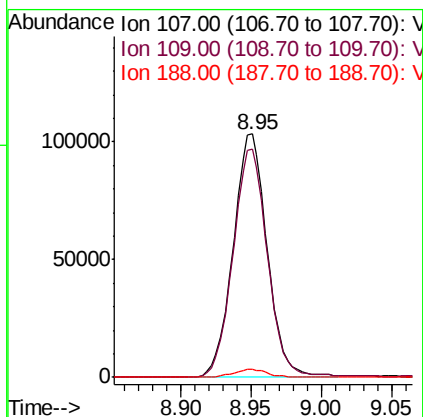
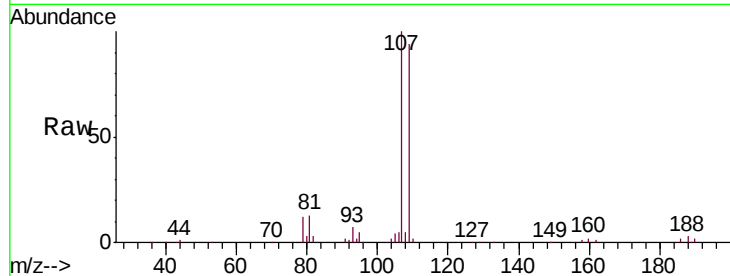




#50
 1,2-Dibromoethane
 Concen: 47.829 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

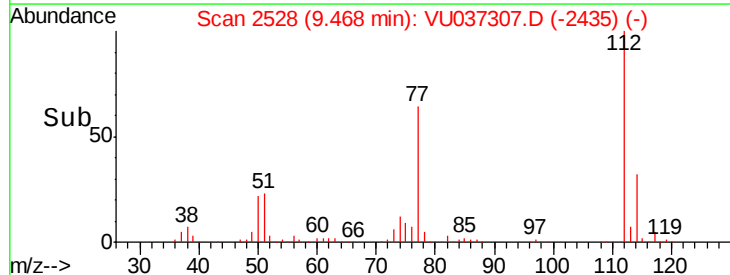
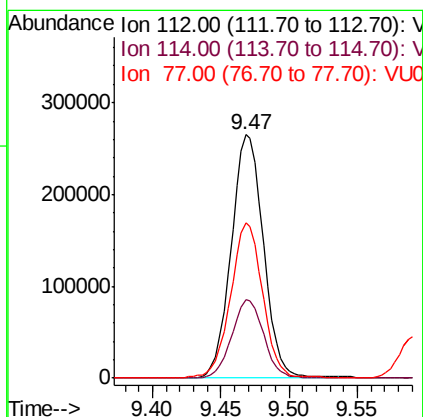
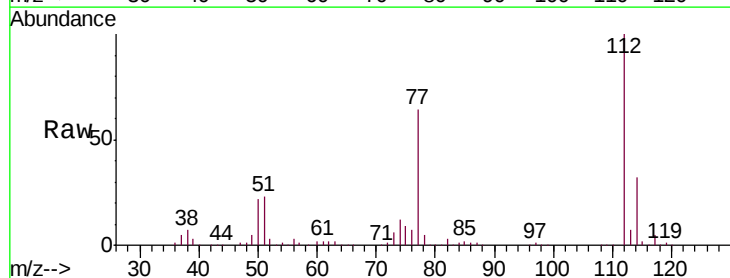
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

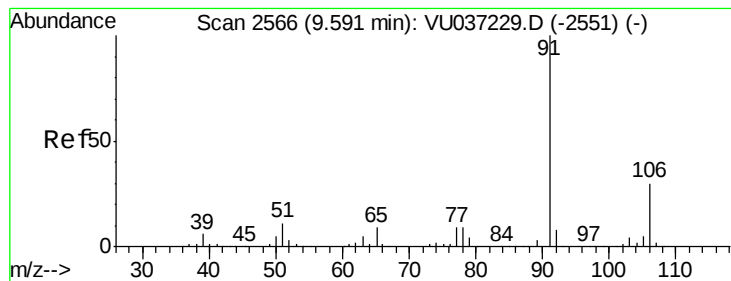
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.5	123.5
188	3.1	2.6	4.0



#51
 Chlorobenzene
 Concen: 48.424 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.6	42.0
77	64.0	51.0	76.4





#52

Ethylbenzene

Concen: 47.702 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

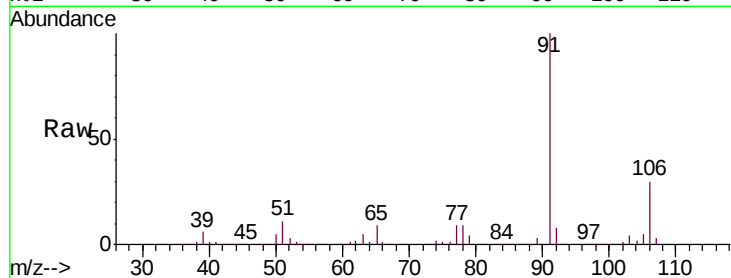
BFB31

Tgt Ion: 91 Resp: 789018

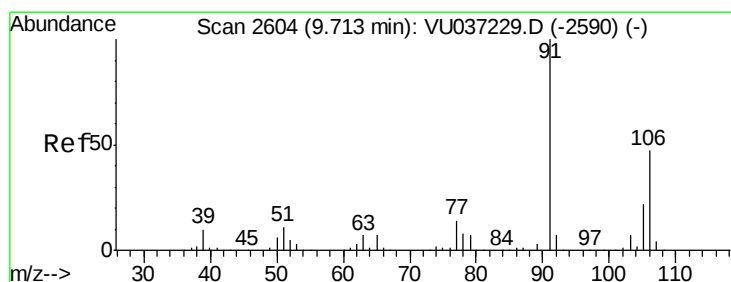
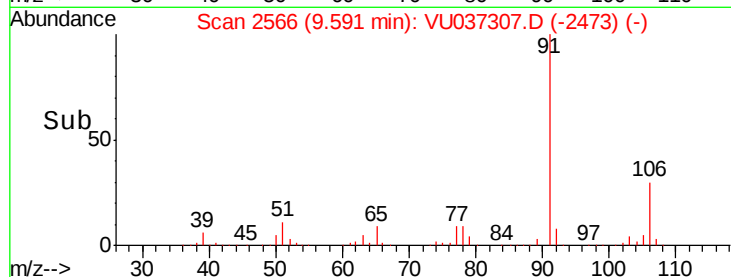
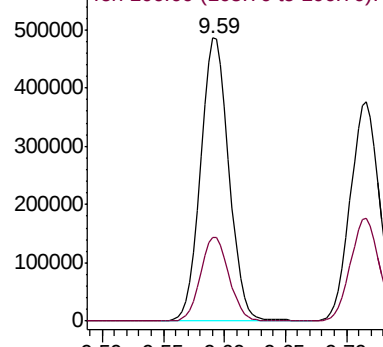
Ion Ratio Lower Upper

91 100

106 29.8 20.2 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU037229.D (-2551) (-)



#53

m,p-Xylene

Concen: 50.036 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037307.D

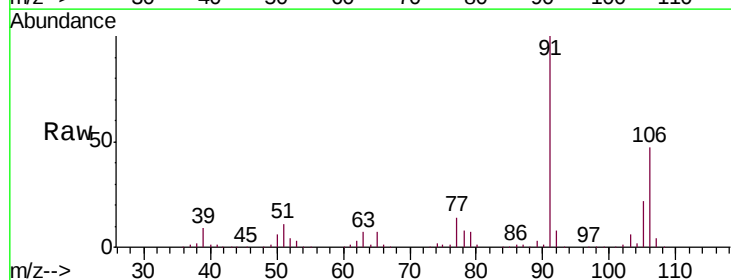
Acq: 17 Mar 2020 10:53

Tgt Ion: 106 Resp: 292729

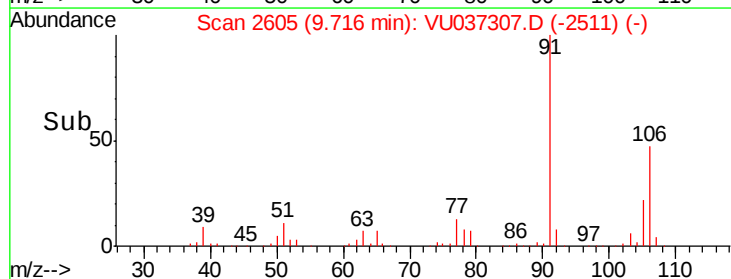
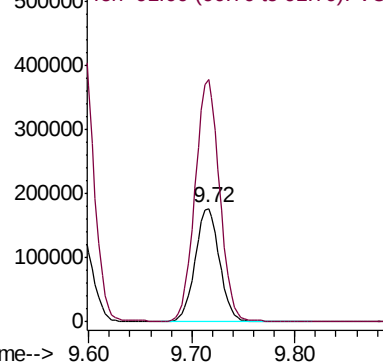
Ion Ratio Lower Upper

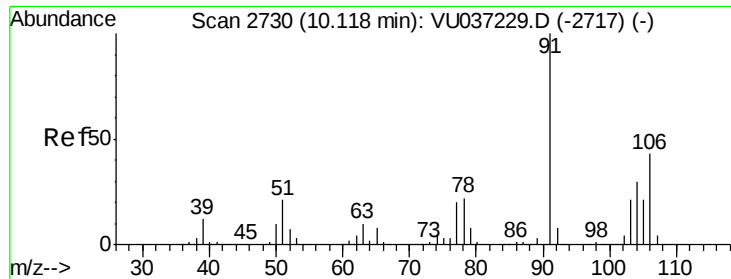
106 100

91 213.9 154.0 286.0



Abundance Ion 106.00 (105.70 to 106.70): VU037229.D (-2590) (-)

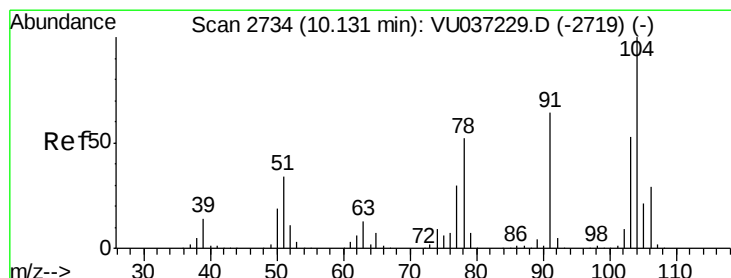
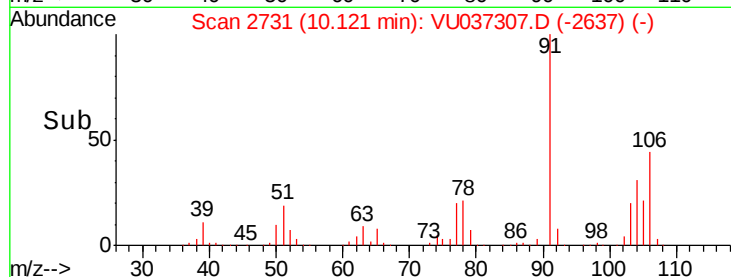
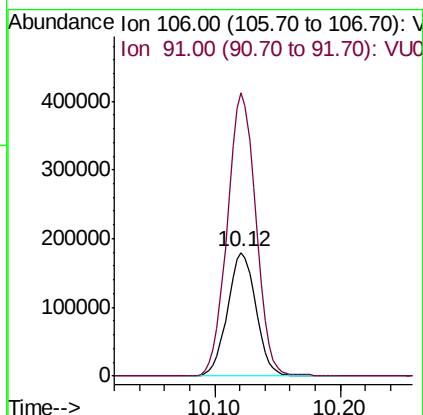
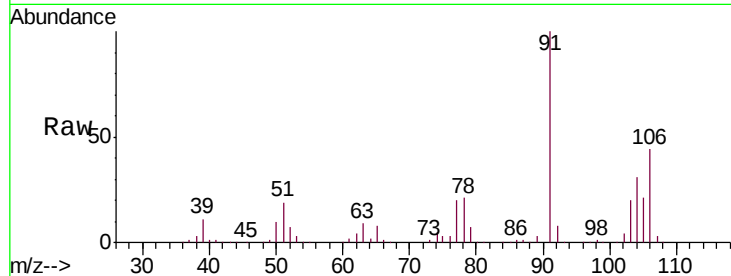




#54
o-xylene
Concen: 49.042 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

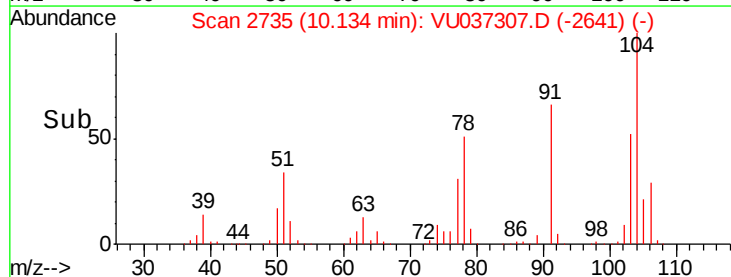
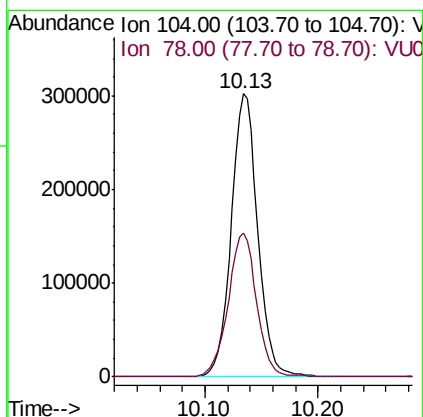
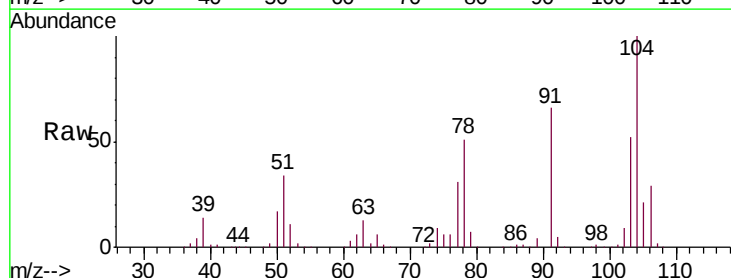
Instrument :
MSVOA_U
ClientSampleId :
BFB31

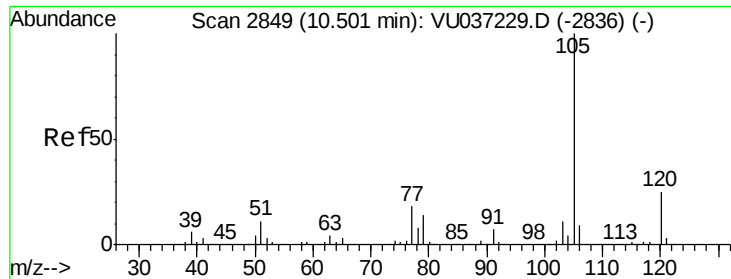
Tgt Ion:106 Resp: 283462
Ion Ratio Lower Upper
106 100
91 228.9 167.6 311.2



#55
Styrene
Concen: 50.059 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037307.D
Acq: 17 Mar 2020 10:53

Tgt Ion:104 Resp: 490672
Ion Ratio Lower Upper
104 100
78 50.9 37.4 69.4





#56

Isopropylbenzene

Concen: 48.849 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

BFB31

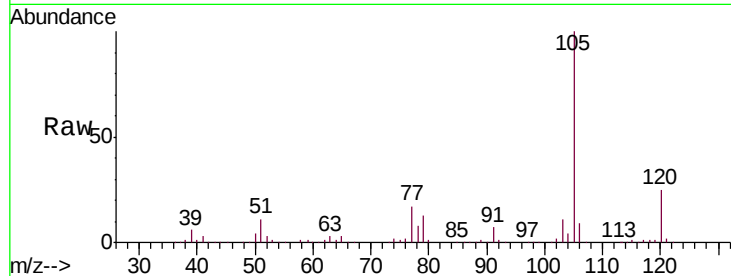
Tgt Ion: 105 Resp: 784786

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

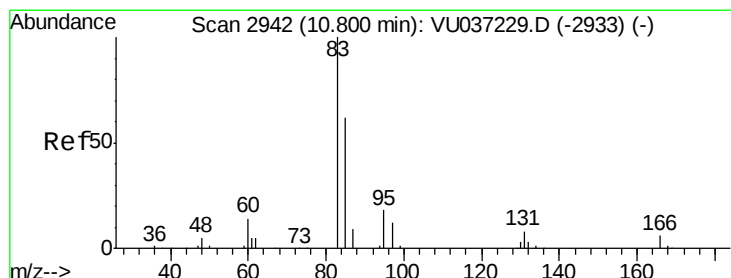
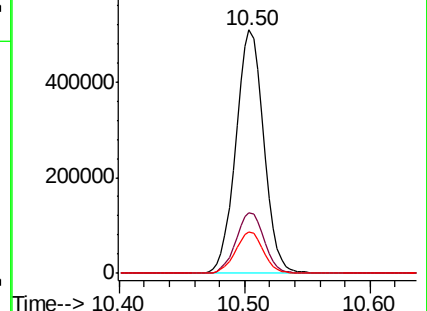
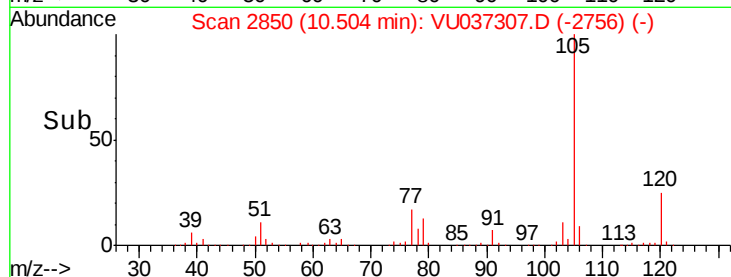
77 16.9 14.1 21.1



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: 46.226 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

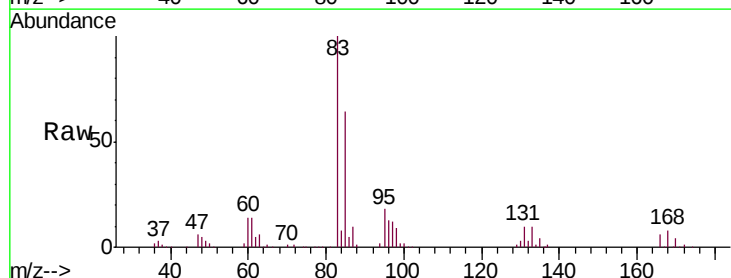
Tgt Ion: 83 Resp: 285674

Ion Ratio Lower Upper

83 100

85 63.7 45.8 85.2

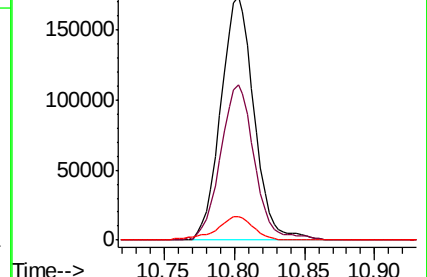
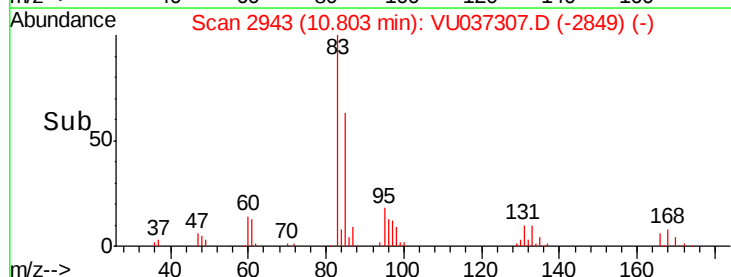
131 9.7 7.7 11.5

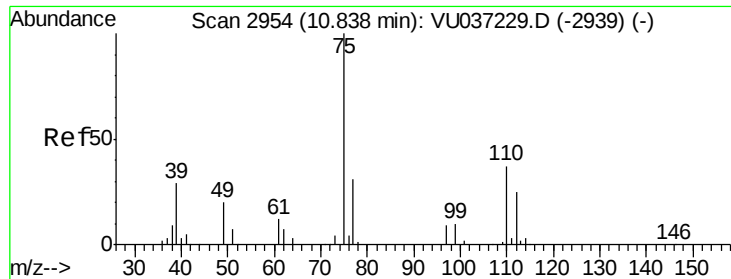


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

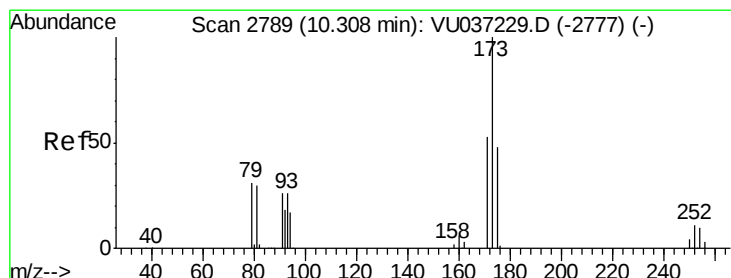
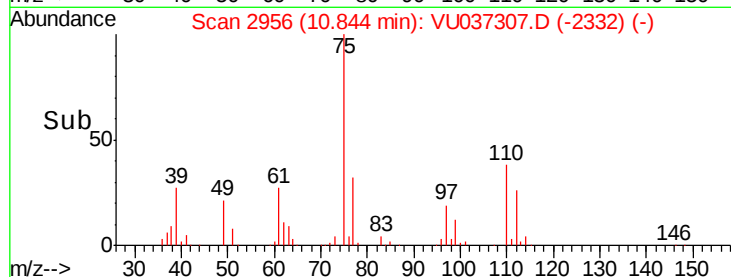
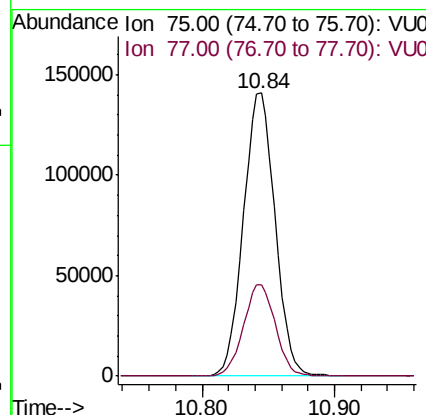
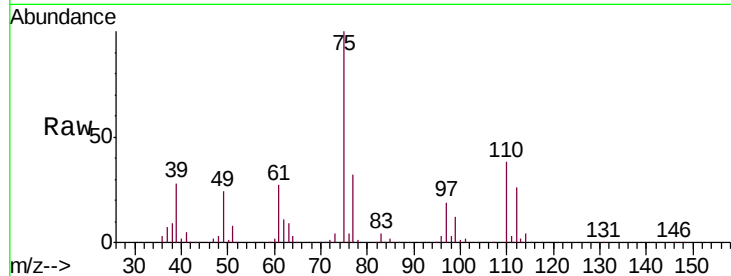




#59
 1,2,3-Trichloropropane
 Concen: 45.148 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.01 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

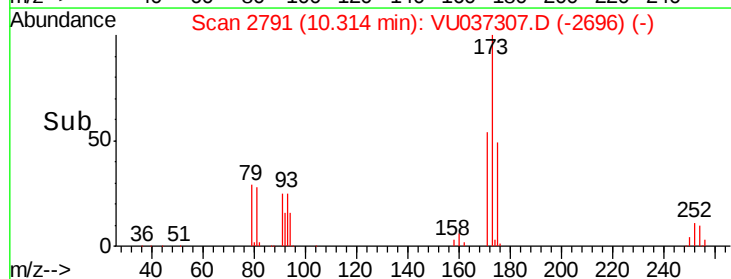
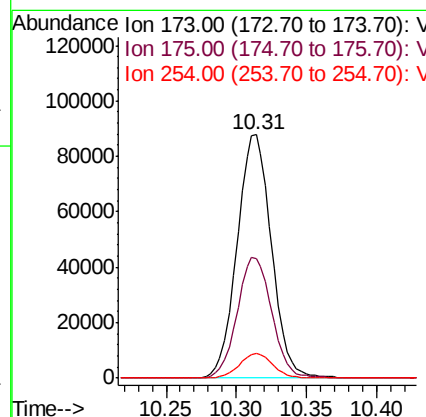
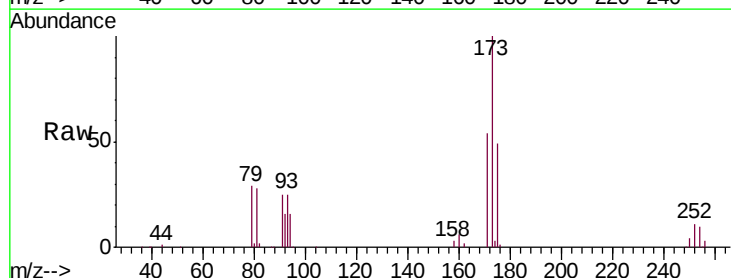
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

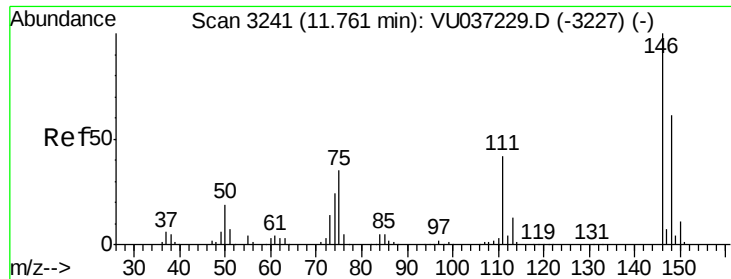
Tgt Ion: 75 Resp: 233358
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6



#61
 Bromoform
 Concen: 47.218 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.01 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion: 173 Resp: 150055
 Ion Ratio Lower Upper
 173 100
 175 49.8 38.3 57.5
 254 9.9 7.6 11.4

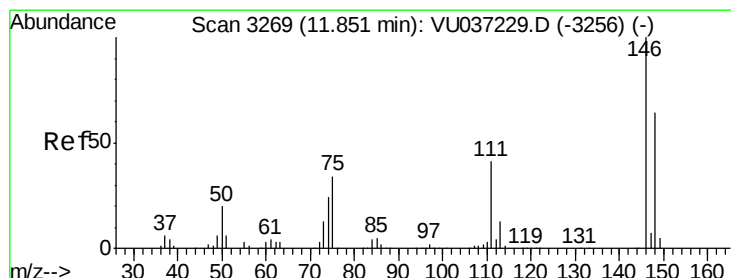
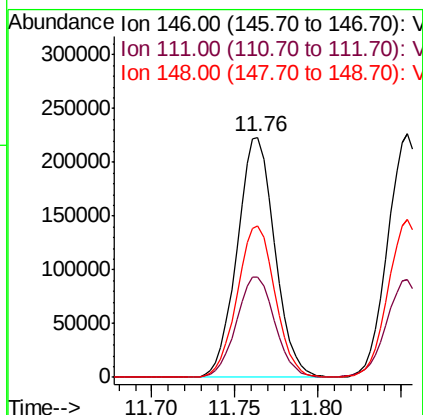
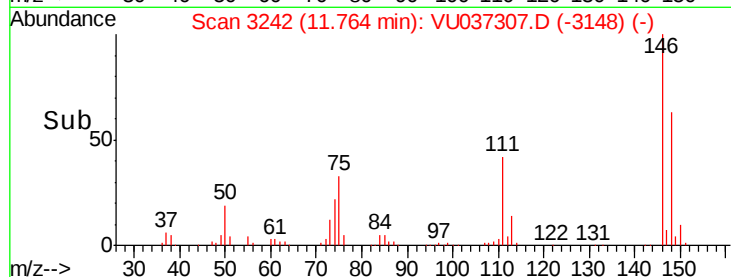
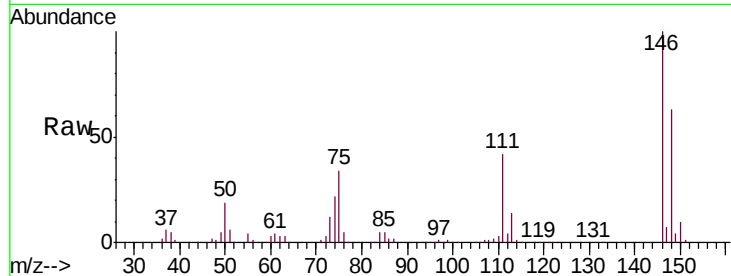




#62
 1,3-Dichlorobenzene
 Concen: 48.819 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

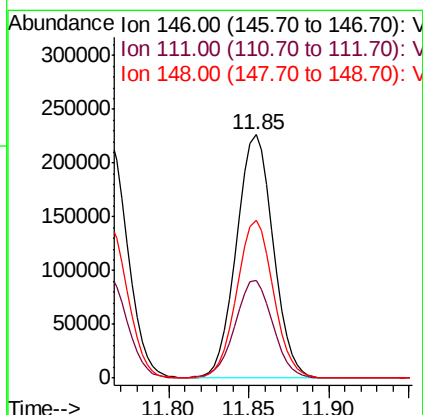
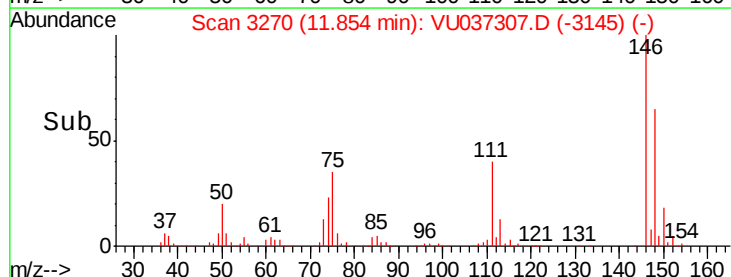
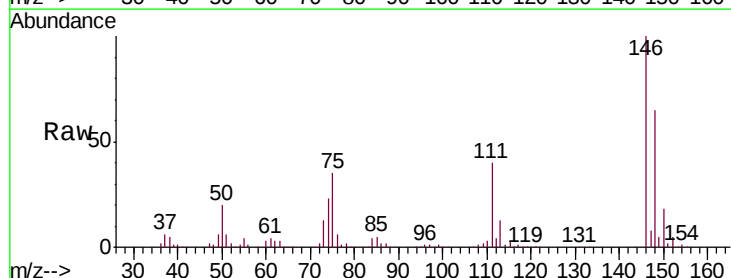
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

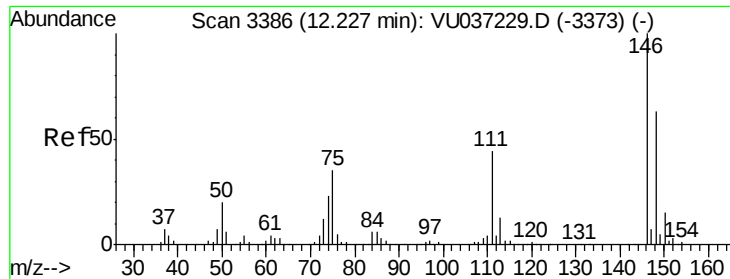
Tgt Ion:146 Resp: 352066
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 63.3 45.8 85.0



#63
 1,4-Dichlorobenzene
 Concen: 48.581 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion:146 Resp: 354102
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.5 52.9
 148 64.7 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 47.784 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

BFB31

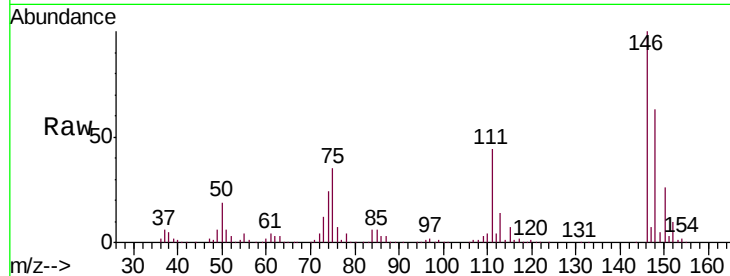
Tgt Ion:146 Resp: 351970

Ion Ratio Lower Upper

146 100

111 44.2 37.4 56.2

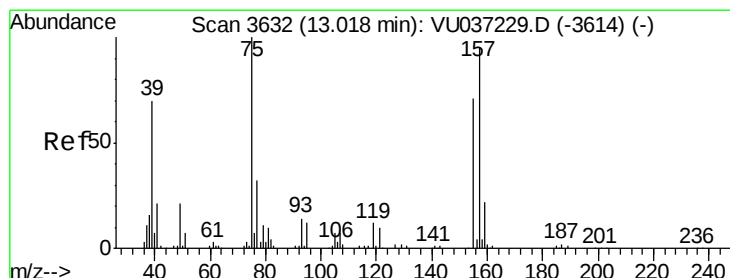
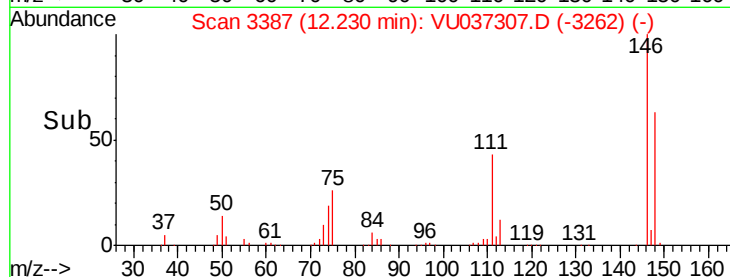
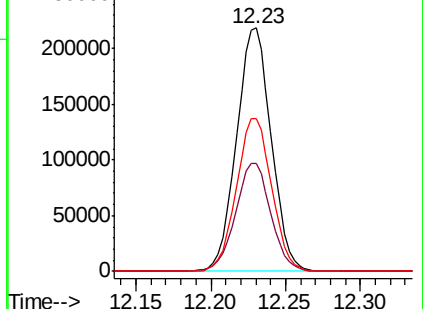
148 62.9 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 40.744 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

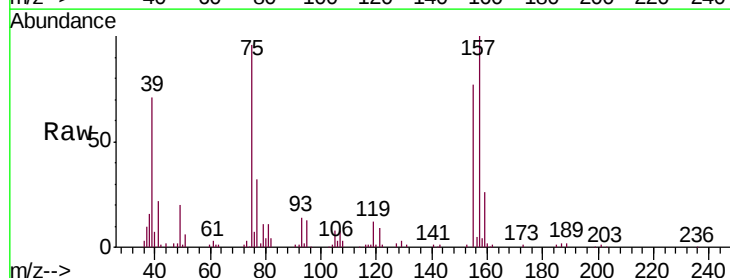
Tgt Ion: 75 Resp: 66164

Ion Ratio Lower Upper

75 100

155 79.7 59.0 88.4

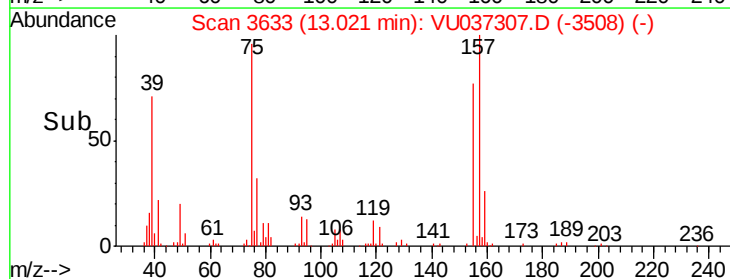
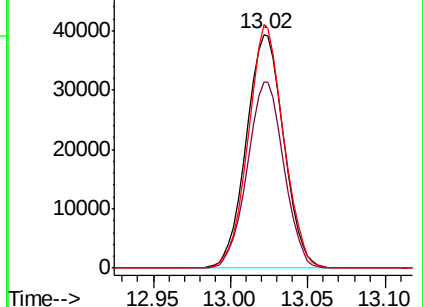
157 104.2 69.9 104.9

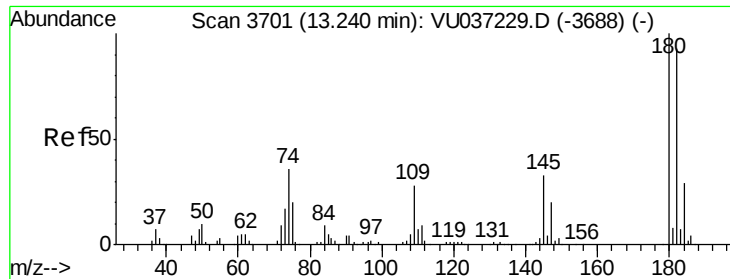


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

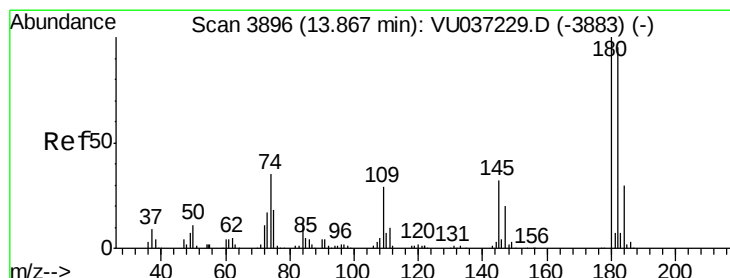
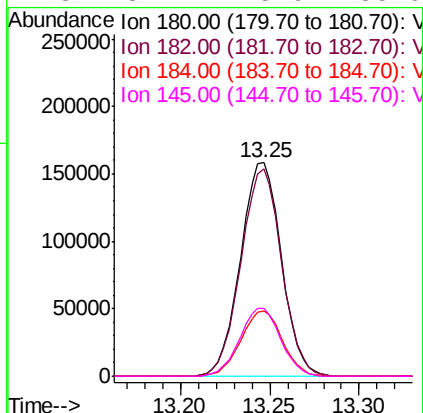
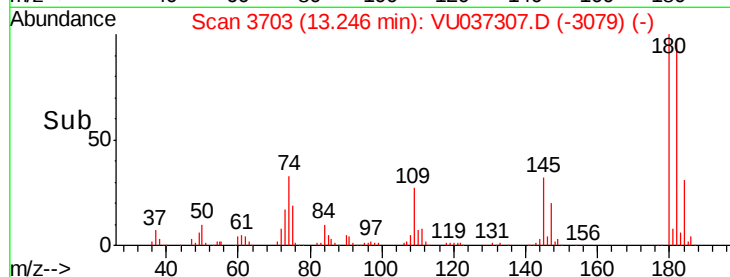
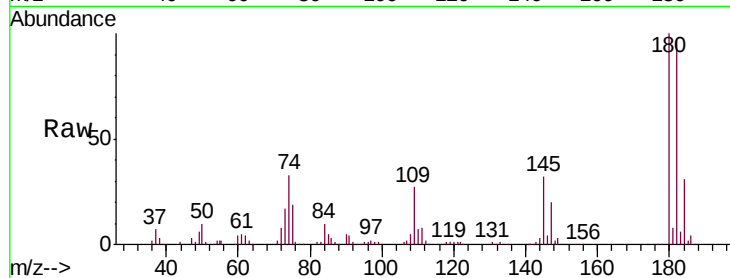




#67
 1,3,5-Trichlorobenzene
 Concen: 48.256 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

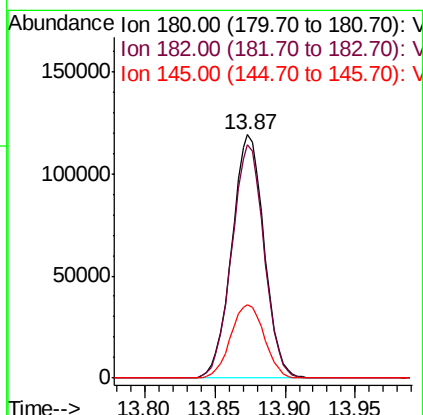
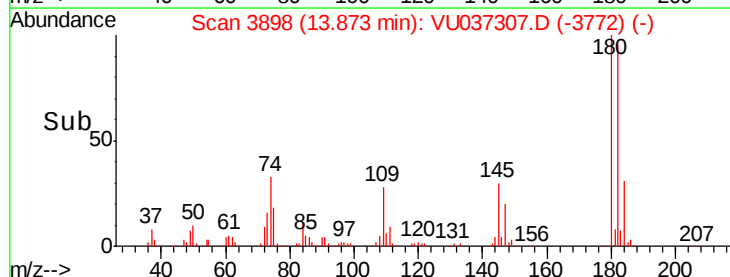
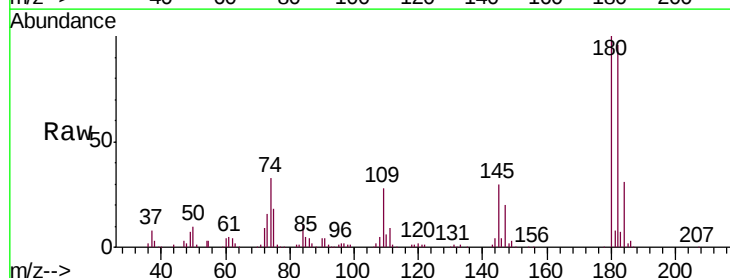
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

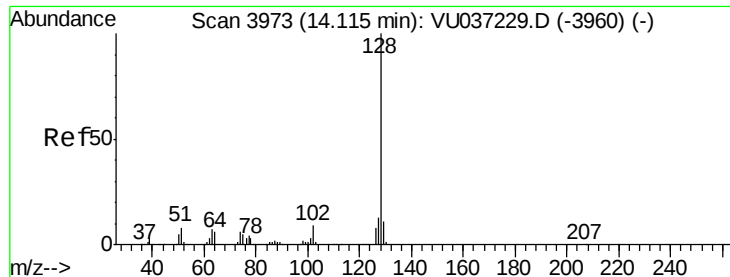
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.8
184	31.0	24.5	36.7
145	31.7	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 46.630 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU037307.D
 Acq: 17 Mar 2020 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
145	31.3	26.7	40.1





#69

Naphthalene

Concen: 35.874 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

Instrument :

MSVOA_U

ClientSampleId :

BFB31

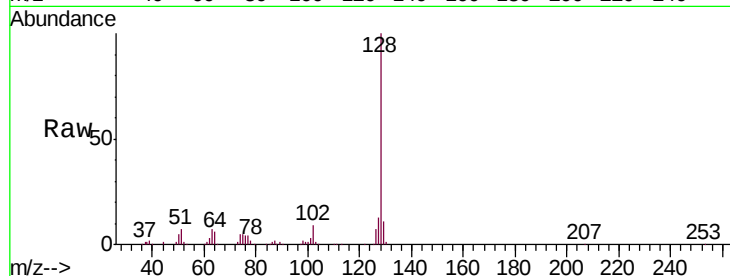
Tgt Ion:128 Resp: 223275

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

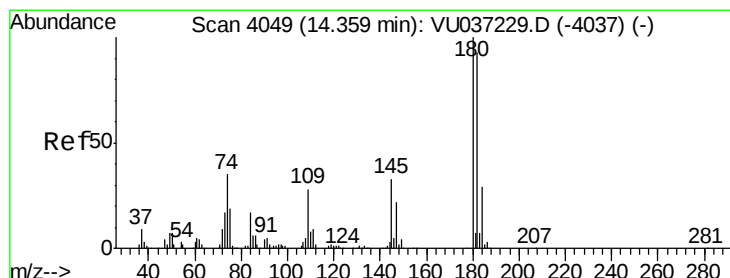
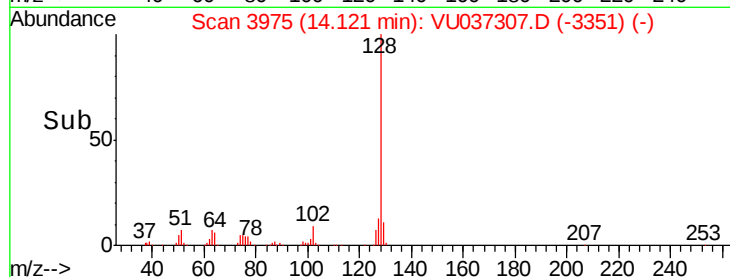
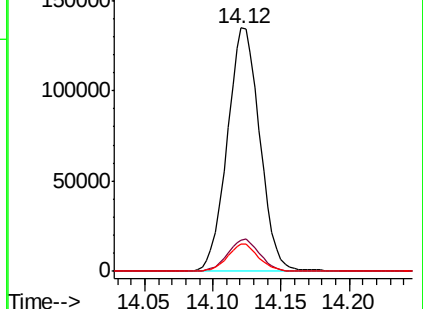
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 44.938 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU037307.D

Acq: 17 Mar 2020 10:53

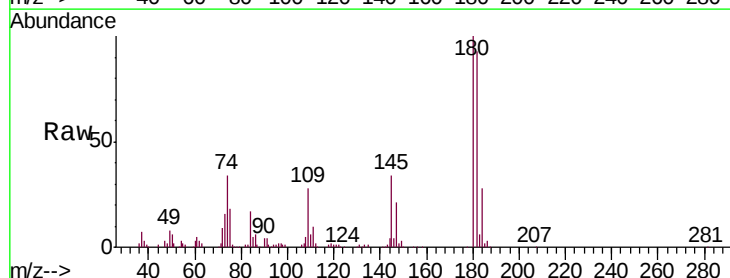
Tgt Ion:180 Resp: 193535

Ion Ratio Lower Upper

180 100

182 94.7 77.8 116.6

145 33.8 27.4 41.0



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

