

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037031.D
 Acq On : 03 Mar 2020 18:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 04 06:56:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	276492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	264174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117723	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104517	45.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.02%
7) Chloroethane-d5	1.93	69	96557	50.26	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.52%
11) 1,1-Dichloroethene-d2	2.59	63	178449	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
21) 2-Butanone-d5	4.67	46	151524	97.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.29%
24) Chloroform-d	5.11	84	176858	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	5.74	65	117129	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
32) Benzene-d6	5.76	84	372677	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.72	67	120334	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.93	98	340943	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	8.20	79	51542	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.66	63	109463	90.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	168672	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	108662	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	111577	47.576	ug/L 99
3) Chloromethane	1.54	50	128640	47.678	ug/L 99
5) Vinyl chloride	1.62	62	135821	48.803	ug/L 100
6) Bromomethane	1.87	94	74963	52.499	ug/L 98
8) Chloroethane	1.95	64	84484	50.642	ug/L 99
9) Trichlorofluoromethane	2.16	101	149610	50.687	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	89636	50.766	ug/L 100
12) 1,1-Dichloroethene	2.60	96	85948	48.127	ug/L 90
13) Acetone	2.66	43	113507	70.852	ug/L 99
14) Carbon disulfide	2.82	76	245143	43.385	ug/L 100
15) Methyl Acetate	2.98	43	122682	50.241	ug/L 98
16) Methylene chloride	3.08	84	109916	50.461	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	91319	47.600	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	306716	49.184	ug/L 99
19) 1,1-Dichloroethane	3.91	63	187614	50.329	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	105187	49.035	ug/L 99
22) 2-Butanone	4.75	43	175432	90.810	ug/L 98

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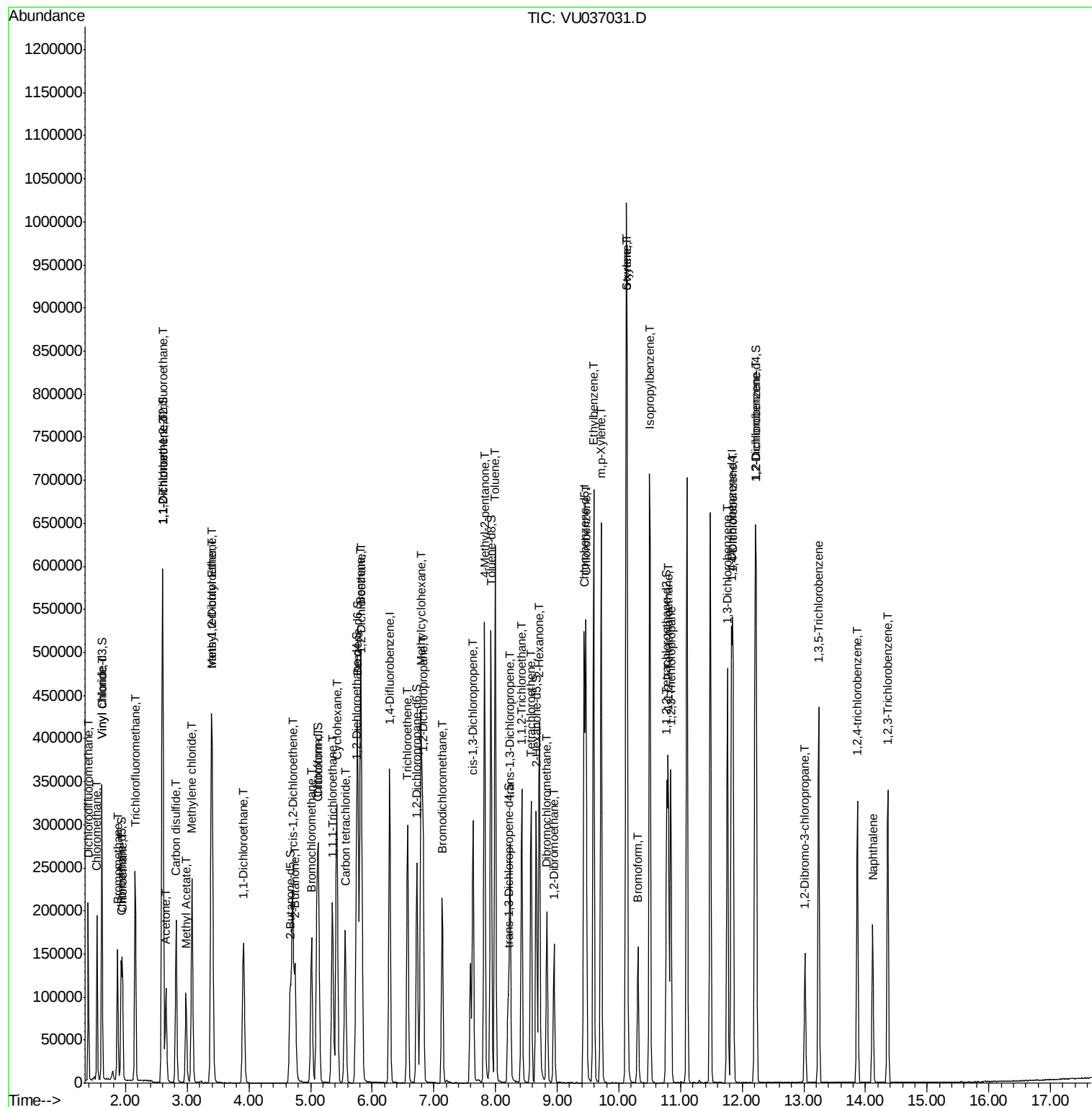
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49744	51.205	ug/L	97
25) Chloroform	5.13	83	184401	51.268	ug/L	99
27) 1,2-Dichloroethane	5.83	62	151171	51.625	ug/L	99
29) Cyclohexane	5.43	56	161288	46.008	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	143259	50.579	ug/L	98
31) Carbon tetrachloride	5.56	117	113744	51.236	ug/L	99
33) Benzene	5.81	78	419838	50.306	ug/L	100
34) Trichloroethene	6.57	95	102892	50.161	ug/L	98
35) Methylcyclohexane	6.79	83	164879	46.361	ug/L	100
37) 1,2-Dichloropropane	6.82	63	115222	51.276	ug/L	99
38) Bromodichloromethane	7.14	83	134944	50.875	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	169447	48.952	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	337049	101.792	ug/L	99
42) Toluene	8.00	91	445297	50.082	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	147531	49.132	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	102377	51.233	ug/L	99
46) Tetrachloroethene	8.57	164	66710	49.368	ug/L	98
48) 2-Hexanone	8.71	43	262920	99.505	ug/L	99
49) Dibromochloromethane	8.84	129	96192	50.716	ug/L	99
50) 1,2-Dibromoethane	8.95	107	105139	50.315	ug/L	100
51) Chlorobenzene	9.47	112	261201	49.580	ug/L	99
52) Ethylbenzene	9.59	91	473197	49.093	ug/L	99
53) m,p-Xylene	9.71	106	174349	49.312	ug/L	99
54) o-xylene	10.12	106	173084	49.083	ug/L	96
55) Styrene	10.13	104	288930	50.122	ug/L	99
56) Isopropylbenzene	10.50	105	447480	49.406	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	182637	51.124	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	149066	51.567	ug/L	100
61) Bromoform	10.31	173	66187	49.729	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	184250	48.247	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	183439	48.618	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	191060	50.107	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	38232	50.540	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	120659	49.777	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	91110	50.167	ug/L	99
69) Naphthalene	14.12	128	139822	43.614	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	93198	51.353	ug/L	98

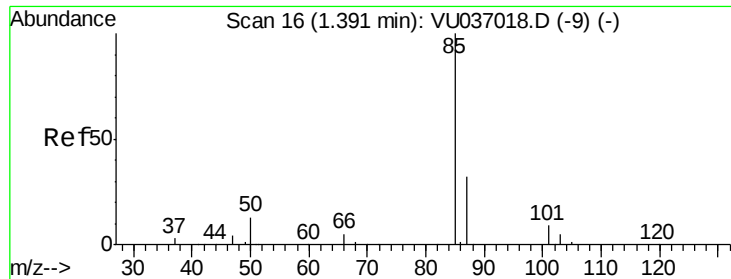
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.576 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

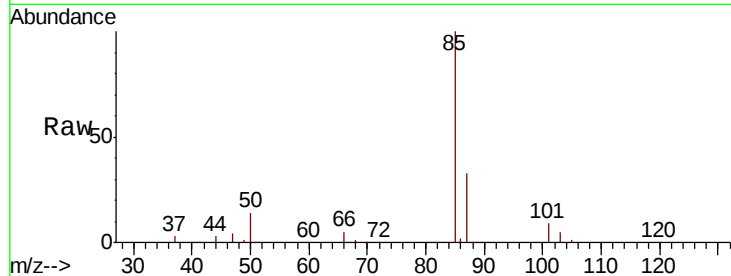
ClientSampled :

Tot Ion: 85 Resp: 111577

Ion Ratio Lower Upper

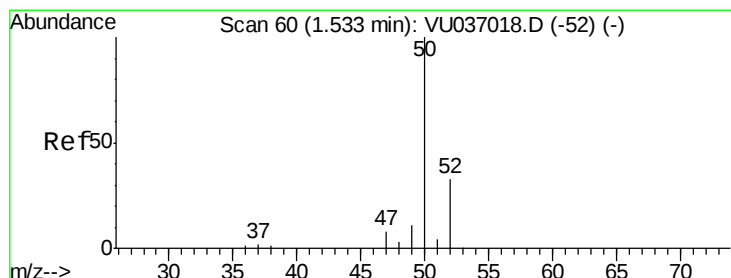
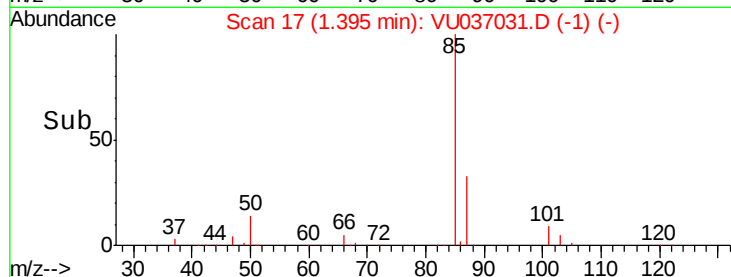
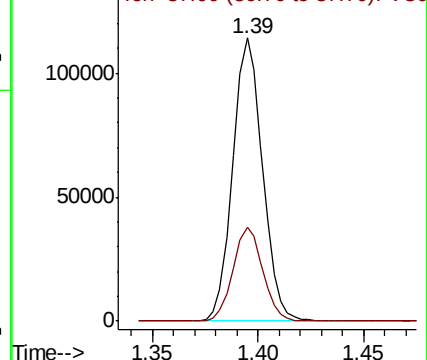
85 100

87 33.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 47.678 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037031.D

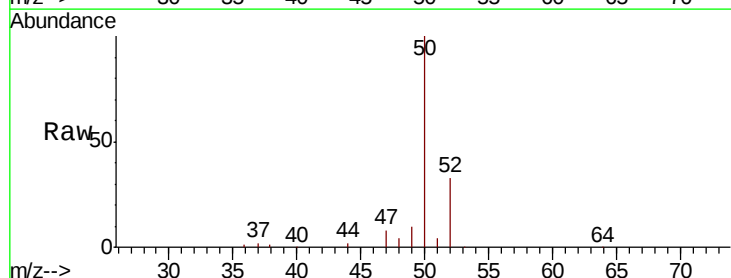
Acq: 03 Mar 2020 18:26

Tgt Ion: 50 Resp: 128640

Ion Ratio Lower Upper

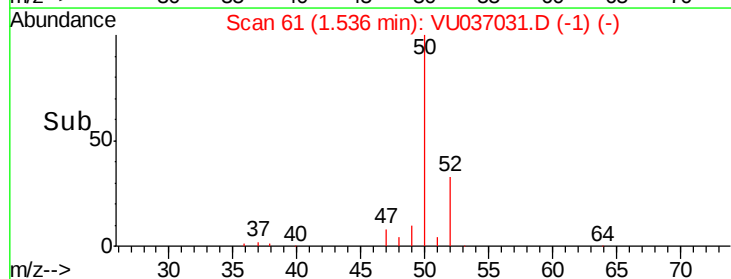
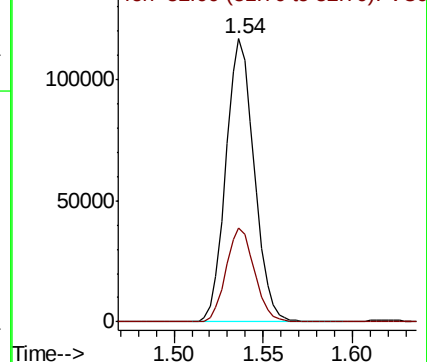
50 100

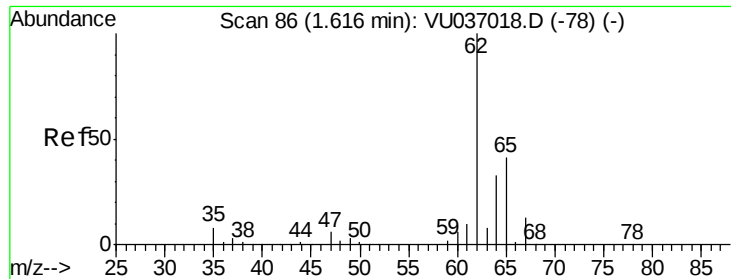
52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.803 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

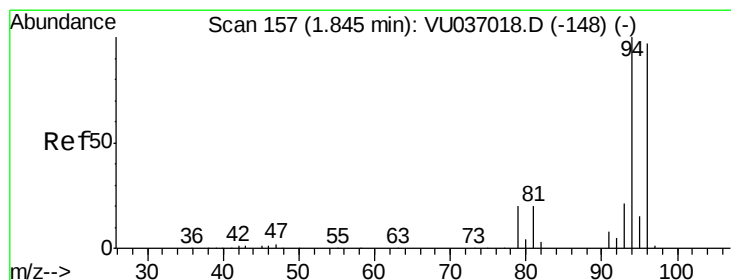
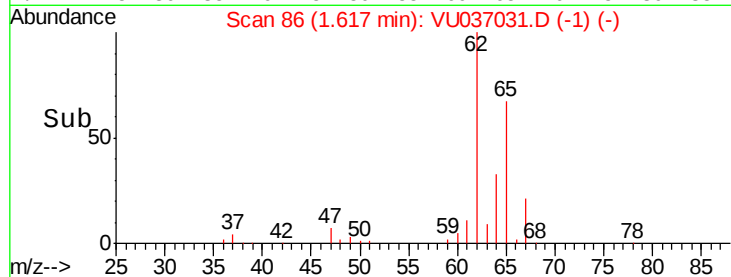
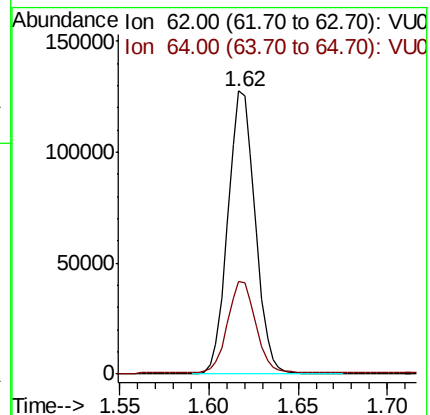
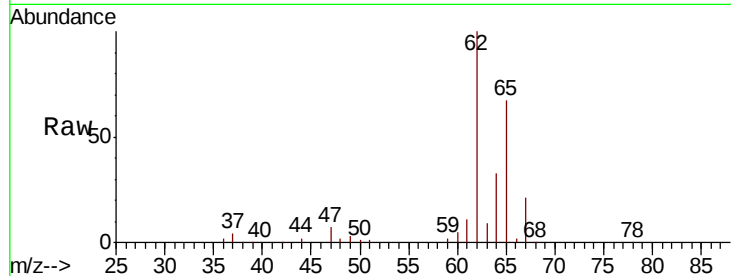
ClientSampled :

Tot Ion: 62 Resp: 135821

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 52.499 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU037031.D

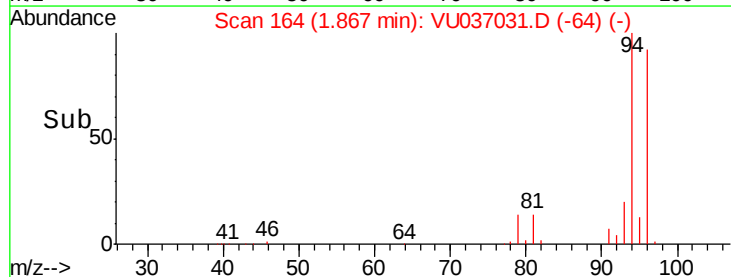
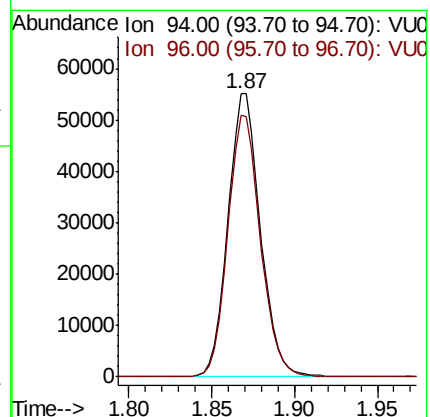
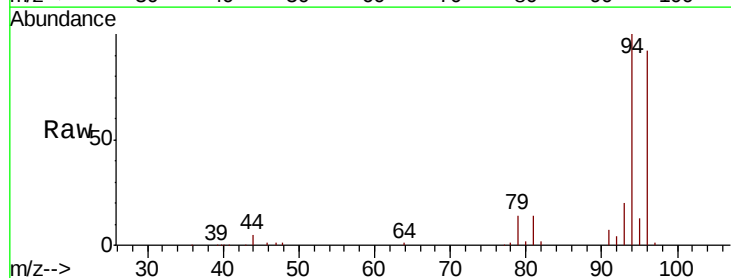
Acq: 03 Mar 2020 18:26

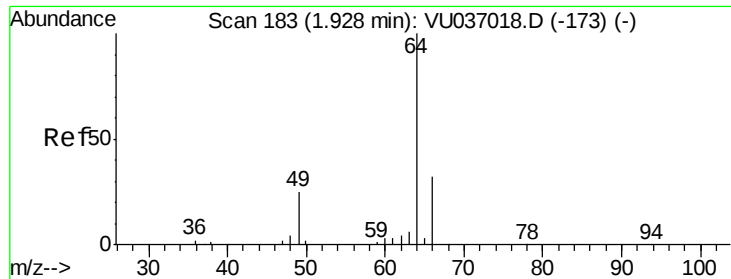
Tgt Ion: 94 Resp: 74963

Ion Ratio Lower Upper

94 100

96 92.3 66.1 122.8

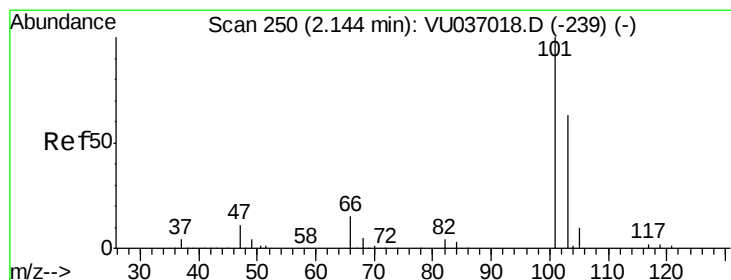
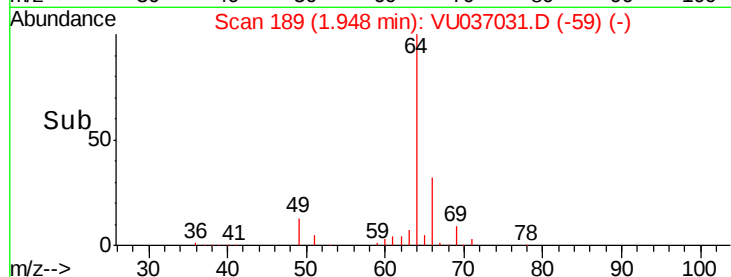
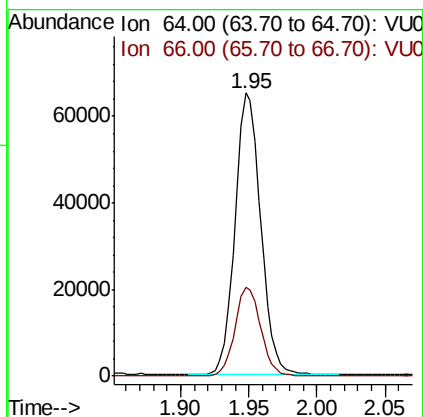
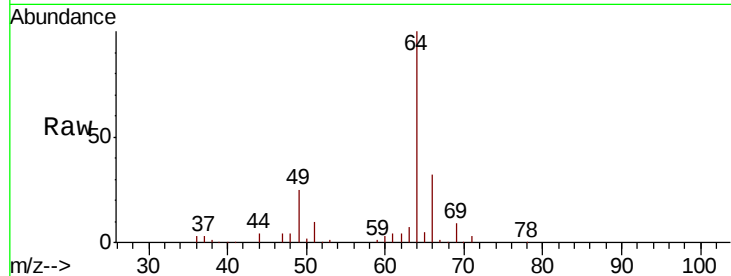




#8
Chloroethane
Concen: 50.642 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.02 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

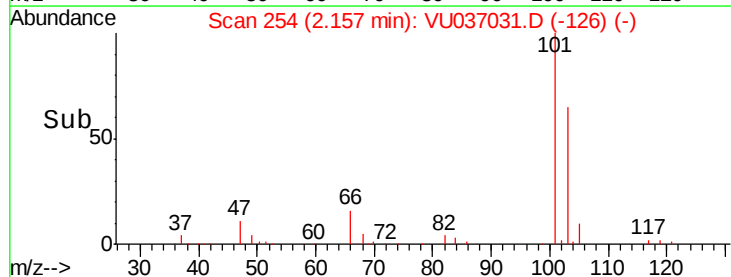
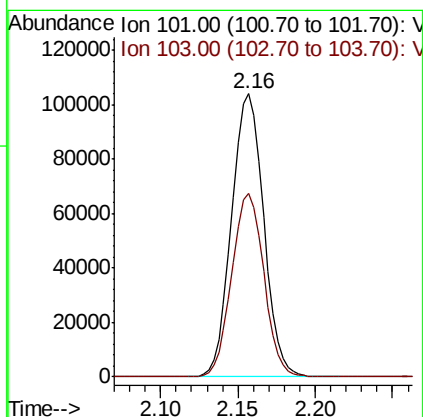
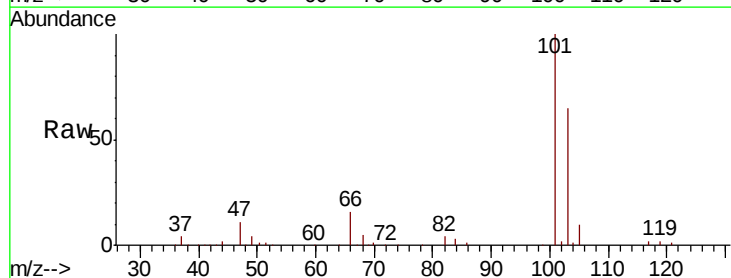
Instrument :
MSVOA_U
ClientSampleId :

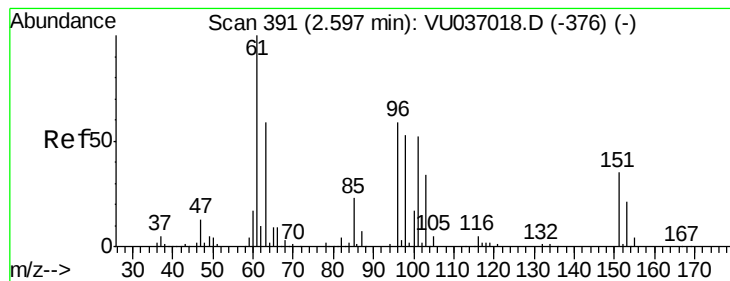
Tot Ion: 64 Resp: 84484
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 50.687 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.01 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion: 101 Resp: 149610
Ion Ratio Lower Upper
101 100
103 64.7 50.9 76.3





#10

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

Concen: 50.766 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampleId :

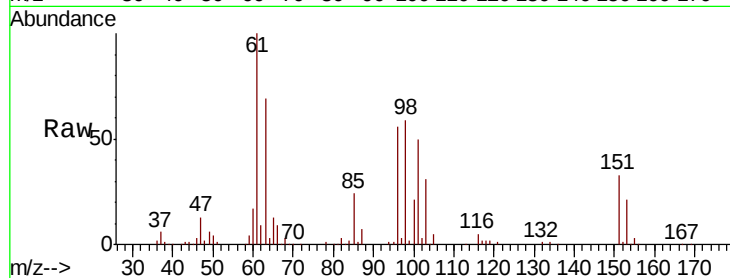
Tot Ion:101 Resp: 89636

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

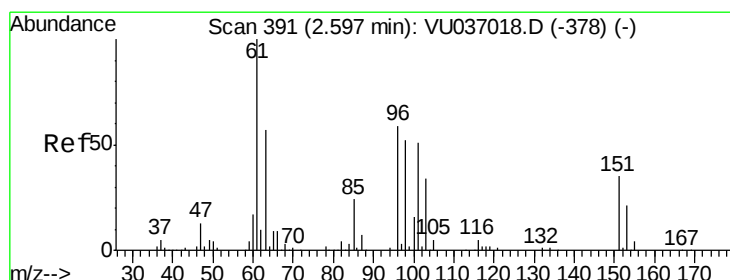
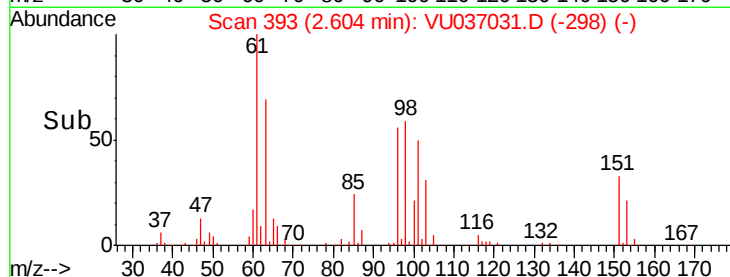
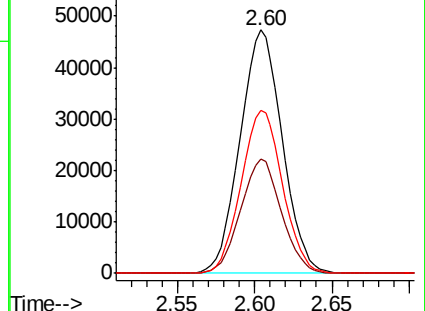
151 65.7 52.4 78.6



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: 48.127 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.01 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

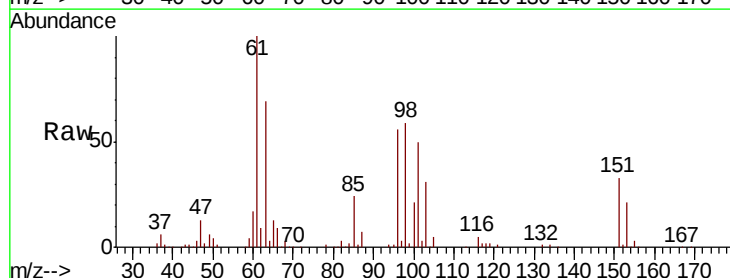
Tgt Ion: 96 Resp: 85948

Ion Ratio Lower Upper

96 100

61 177.1 127.5 236.7

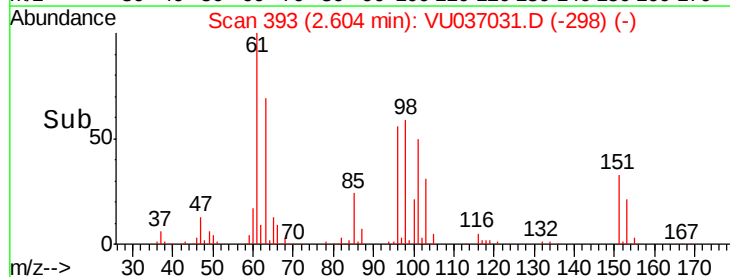
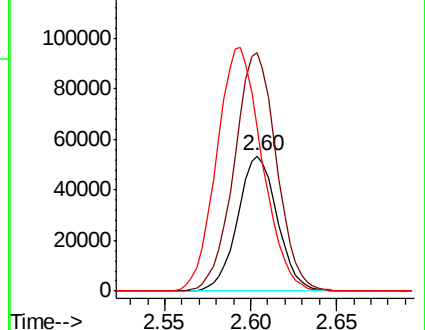
63 121.8 101.4 188.2

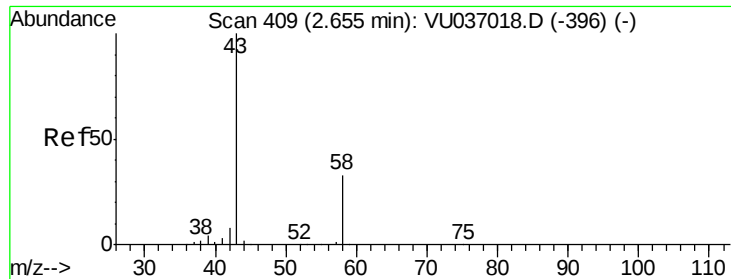


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.852 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

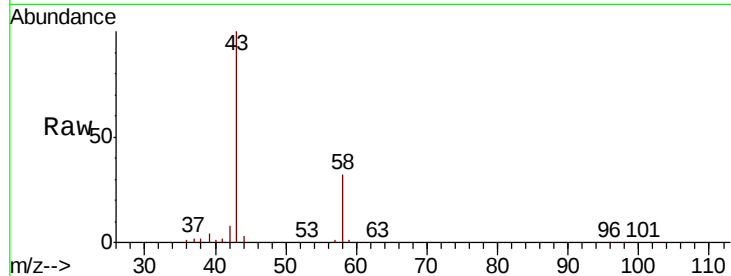
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 113507

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.6



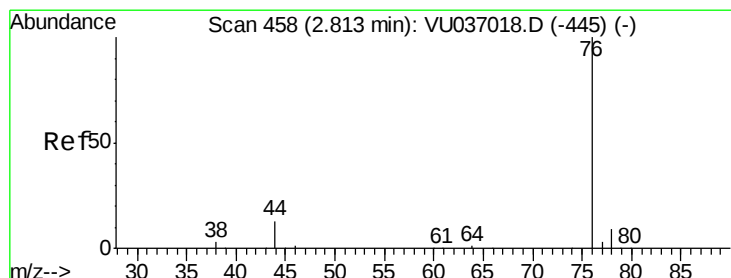
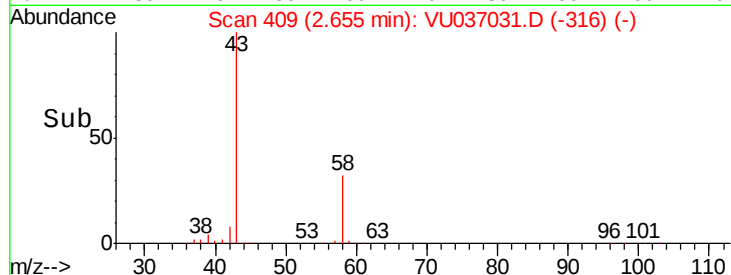
Abundance Ion 43.00 (42.70 to 43.70): VU037031.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037031.D (-396) (-)

2.66

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 43.385 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.01 min

Lab File: VU037031.D

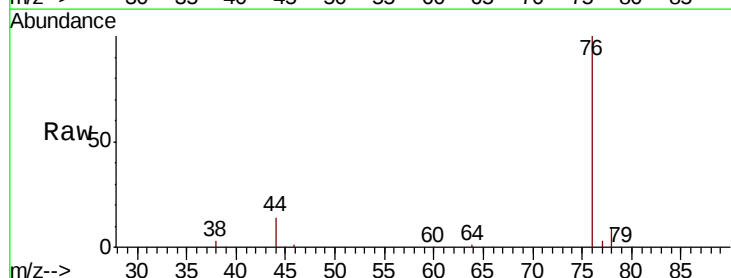
Acq: 03 Mar 2020 18:26

Tgt Ion: 76 Resp: 245143

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



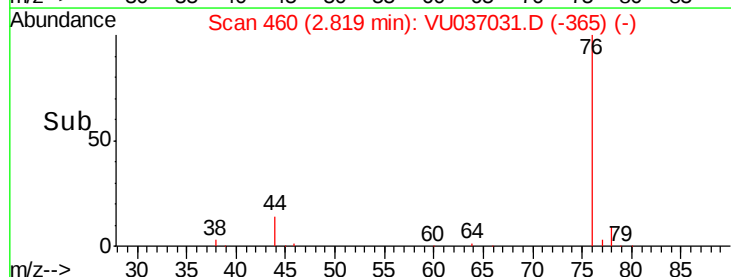
Abundance Ion 76.00 (75.70 to 76.70): VU037031.D (-365) (-)

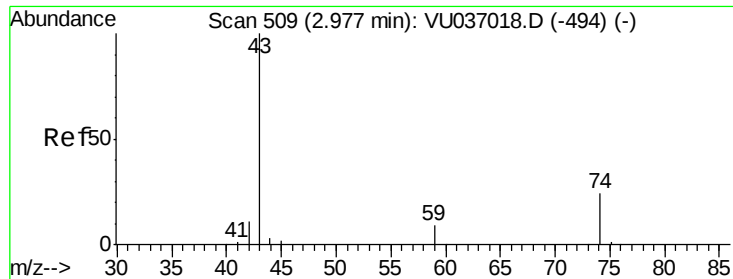
Ion 78.00 (77.70 to 78.70): VU037031.D (-365) (-)

2.82

Time-->

2.75 2.80 2.85 2.90

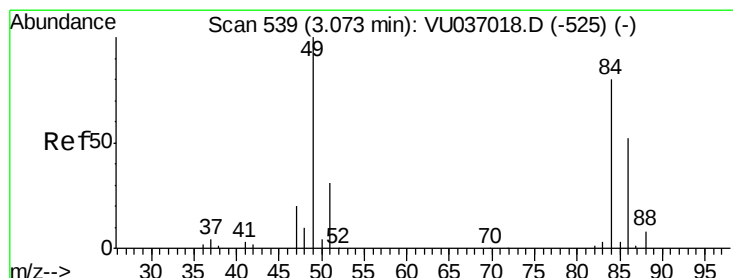
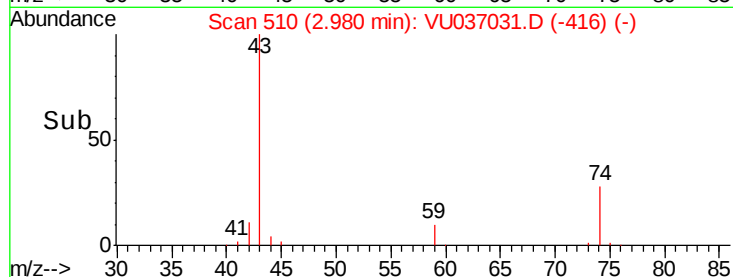
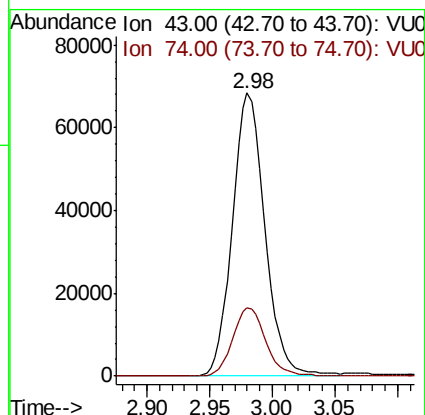
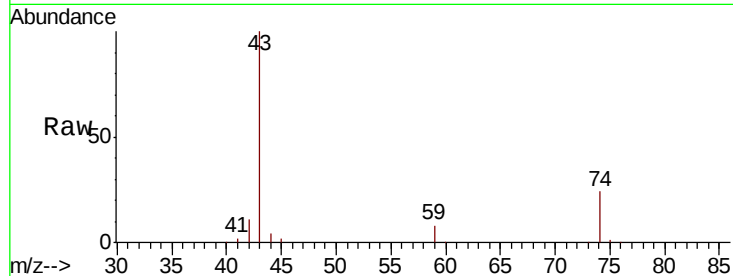




#15
Methvl Acetate
Concen: 50.241 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

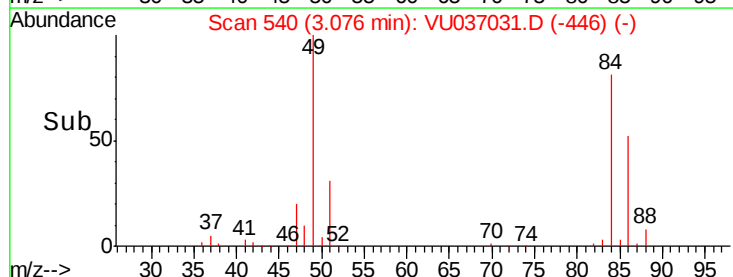
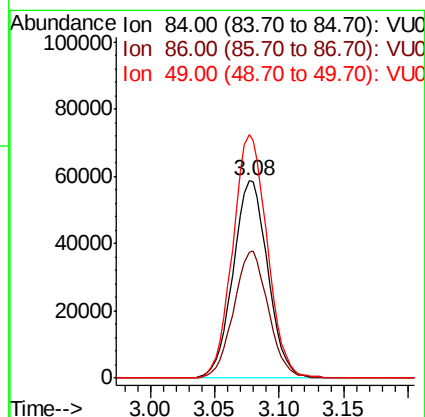
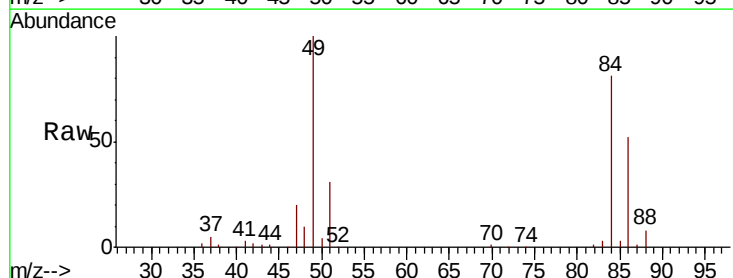
Instrument :
MSVOA_U
ClientSampleId :

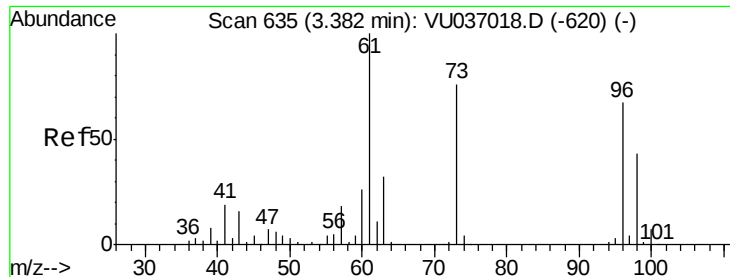
Tot Ion: 43 Resp: 122682
Ion Ratio Lower Upper
43 100
74 24.5 19.0 28.4



#16
Methylene chloride
Concen: 50.461 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion: 84 Resp: 109916
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.5
49 123.5 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 47.600 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.01 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :
MSVOA_U
ClientSampled :

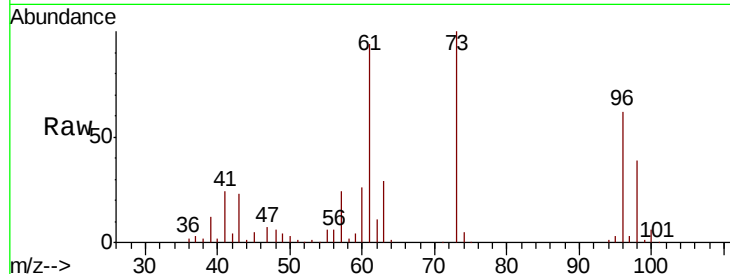
Tot Ion: 96 Resp: 91319

Ion Ratio Lower Upper

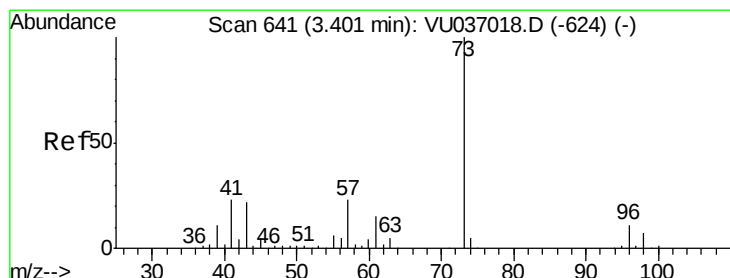
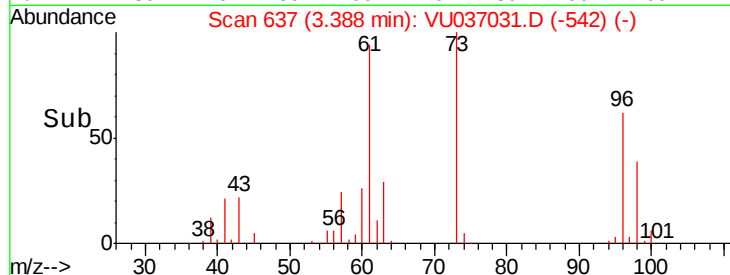
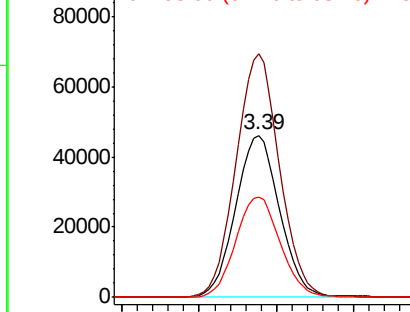
96 100

61 150.5 103.8 192.8

98 62.3 44.2 82.2



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: 49.184 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

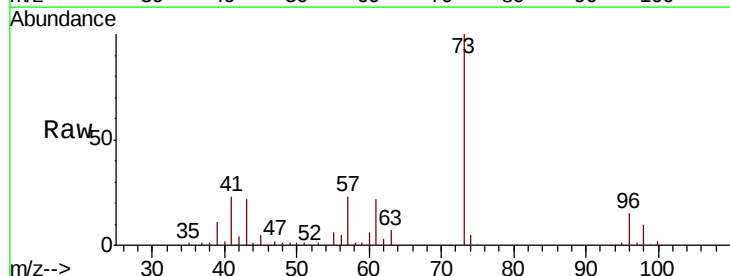
Tgt Ion: 73 Resp: 306716

Ion Ratio Lower Upper

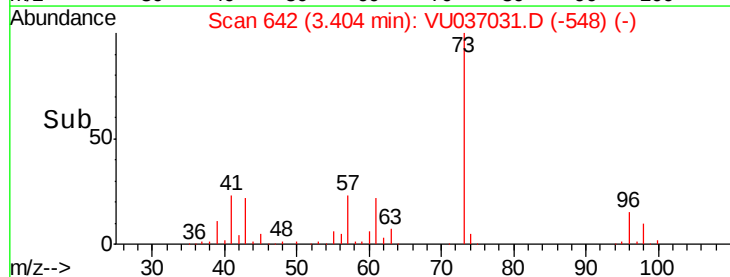
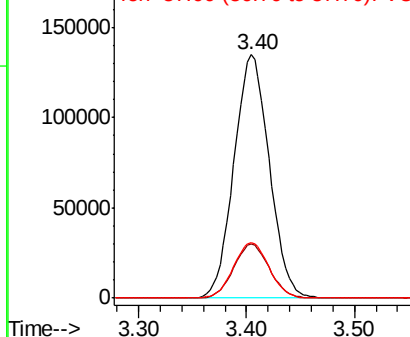
73 100

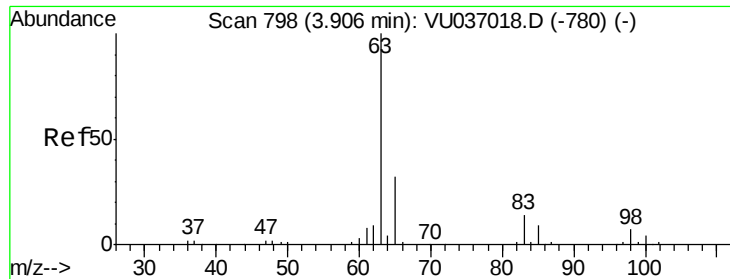
43 22.2 18.1 27.1

57 23.0 18.4 27.6



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

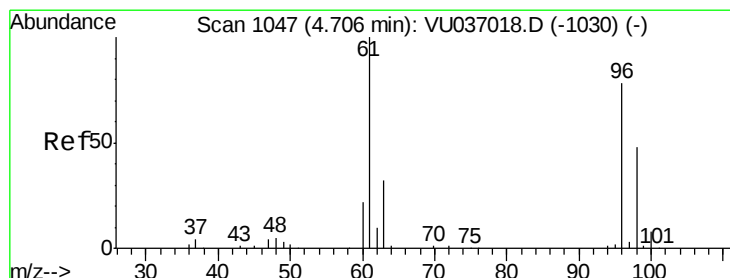
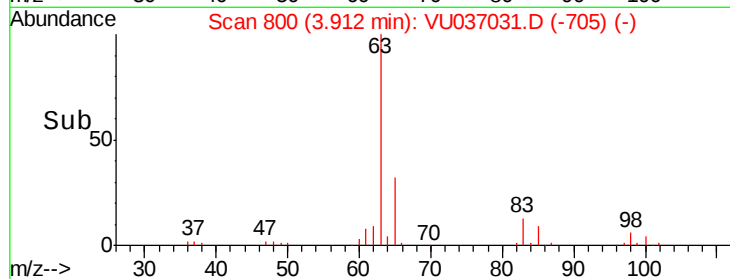
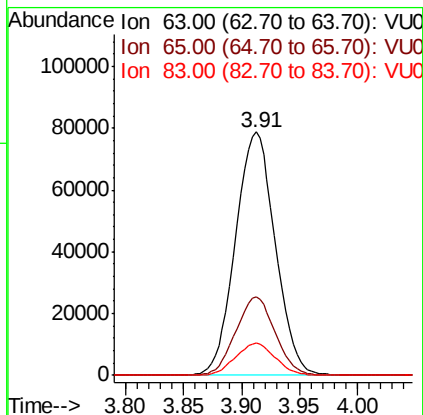
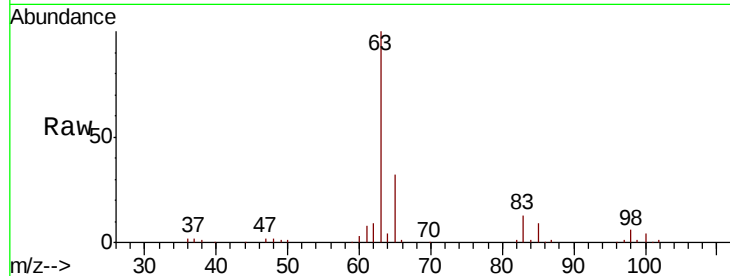




#19
 1,1-Dichloroethane
 Concen: 50.329 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

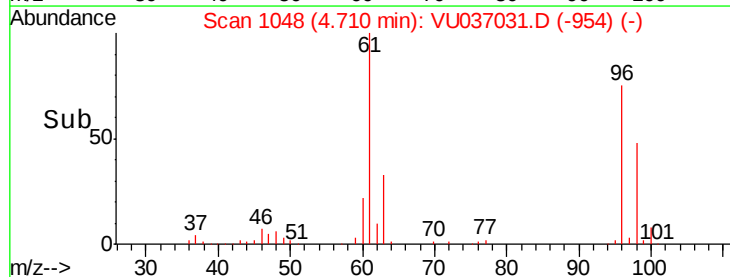
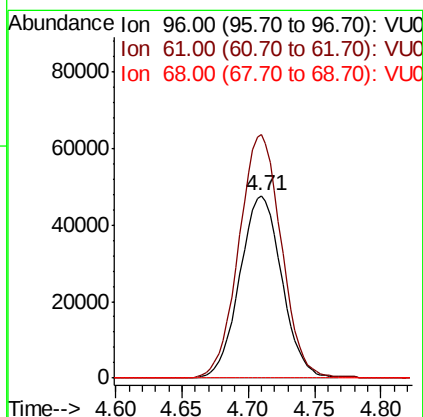
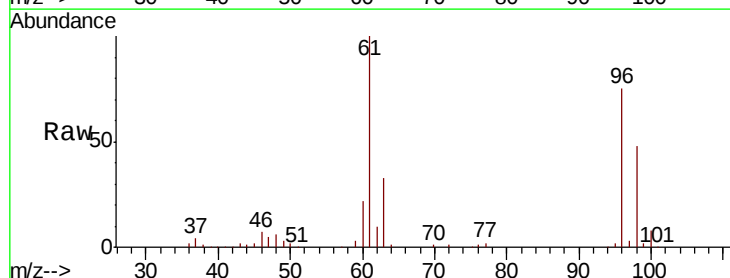
Instrument :
 MSVOA_U
 ClientSampled :

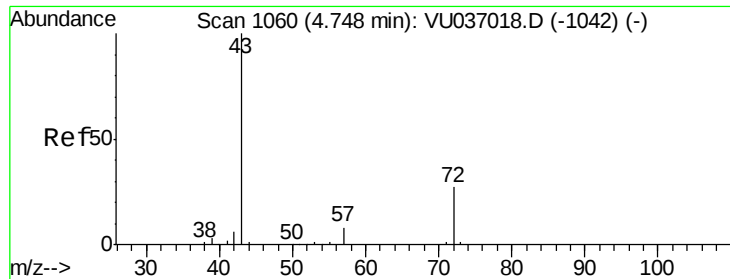
Tot Ion: 63 Resp: 187614
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.3 39.5
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 49.035 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

Tgt Ion: 96 Resp: 105187
 Ion Ratio Lower Upper
 96 100
 61 133.6 93.1 172.9
 68 0.0 0.0 0.0

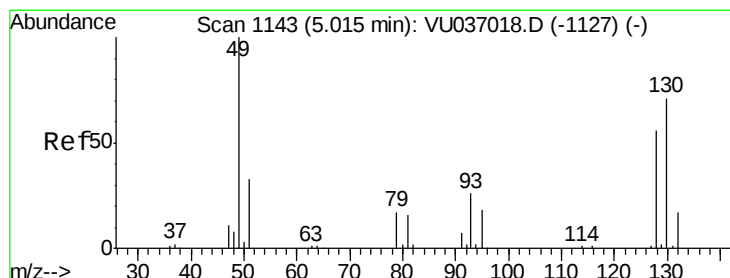
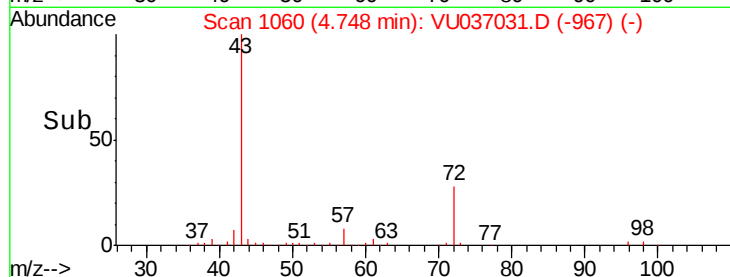
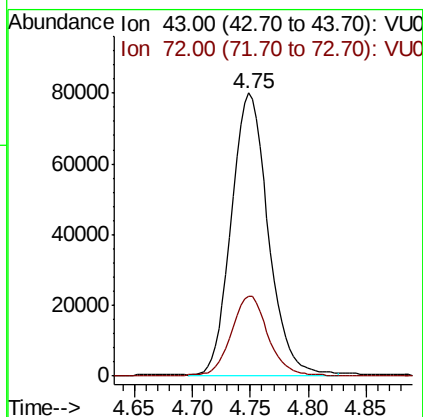
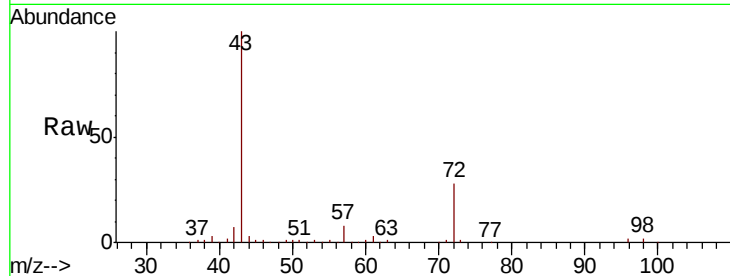




#22
2-Butanone
Concen: 90.810 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

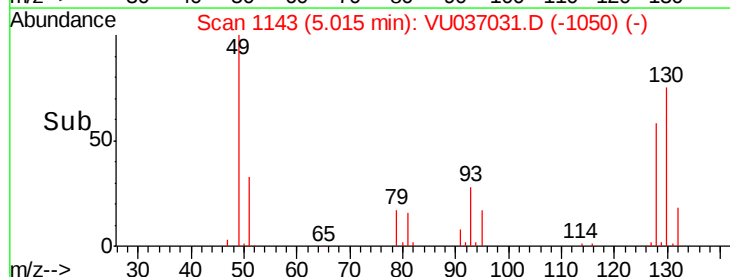
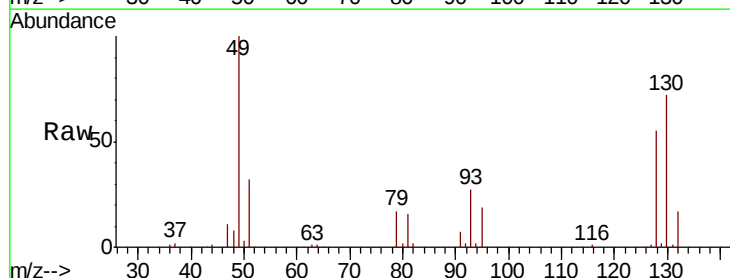
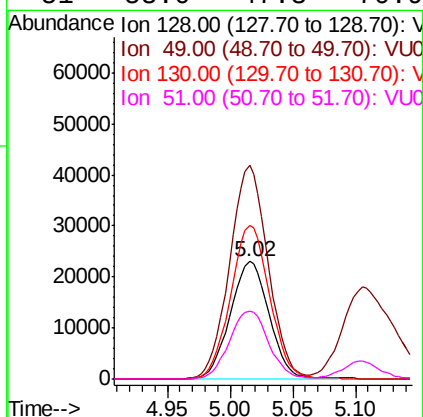
Instrument :
MSVOA_U
ClientSampleId :

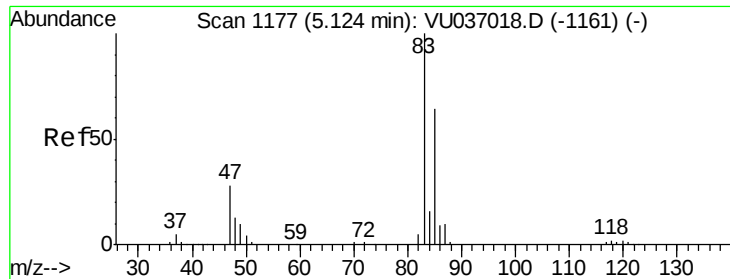
Tot Ion: 43 Resp: 175432
Ion Ratio Lower Upper
43 100
72 28.7 13.9 41.6



#23
Bromochloromethane
Concen: 51.205 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion:128 Resp: 49744
Ion Ratio Lower Upper
128 100
49 181.6 126.5 234.9
130 130.7 86.0 159.8
51 58.0 47.3 70.9

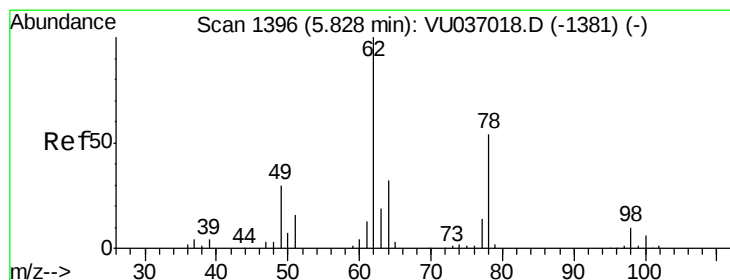
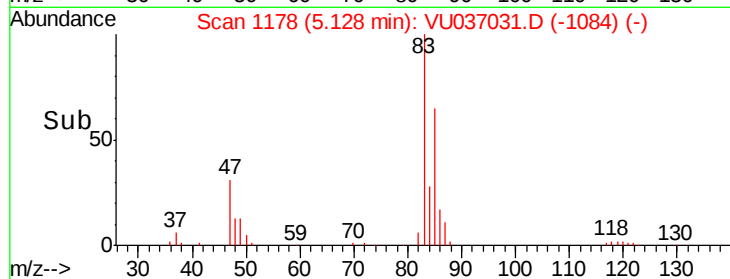
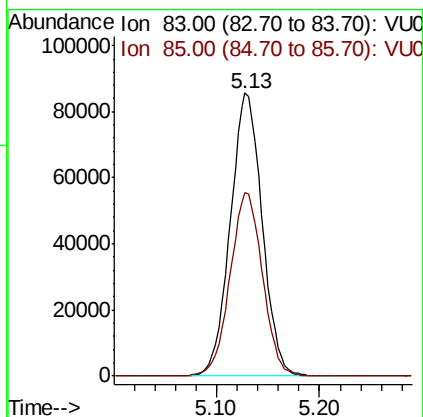
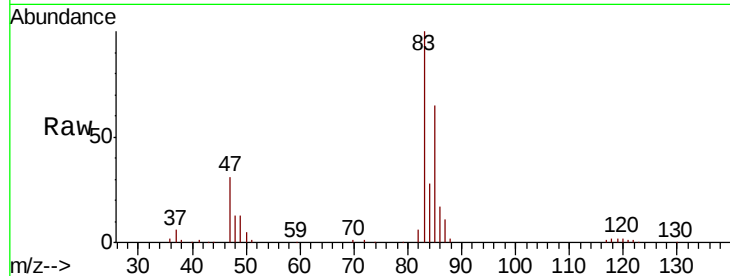




#25
Chloroform
Concen: 51.268 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

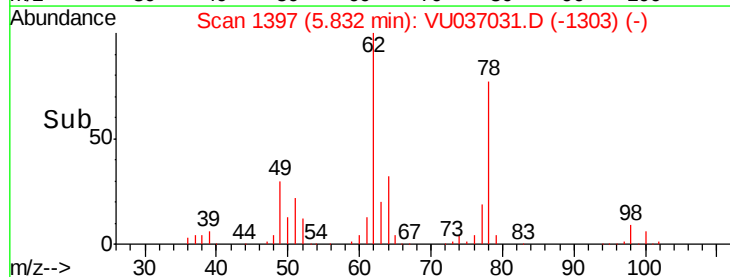
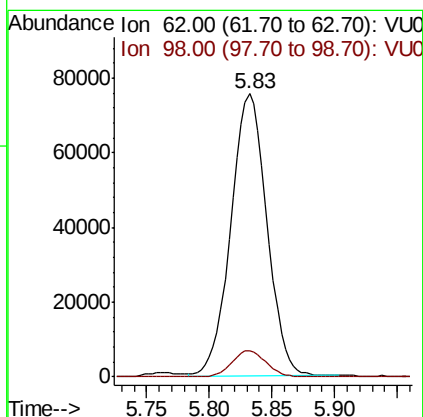
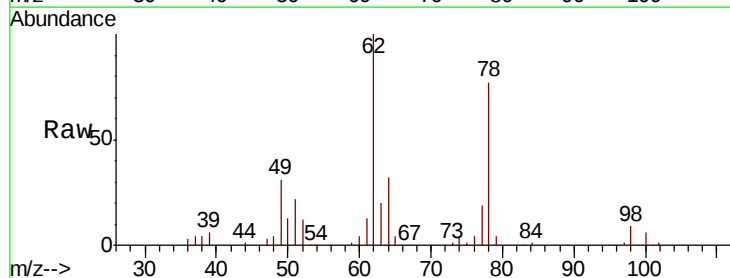
Instrument :
MSVOA_U
ClientSampleId :

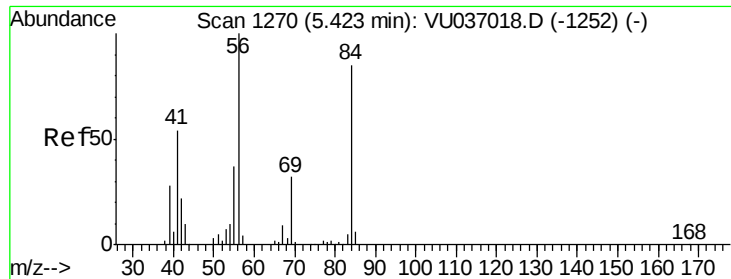
Tot Ion: 83 Resp: 184401
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.625 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion: 62 Resp: 151171
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

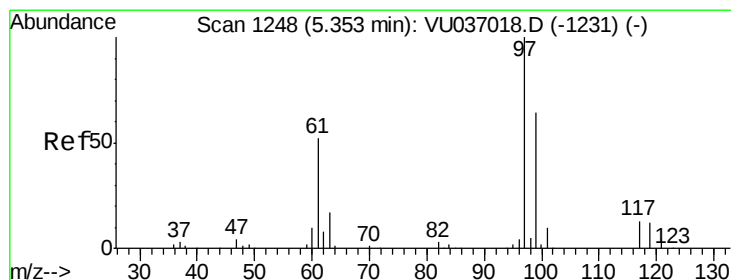
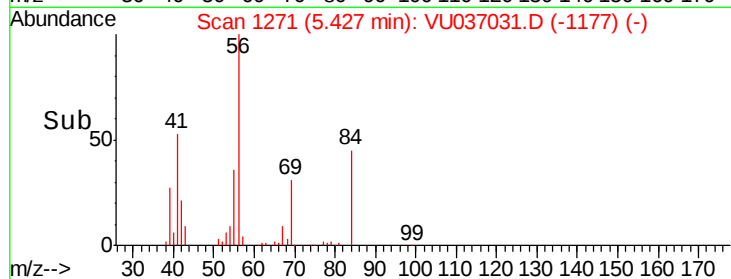
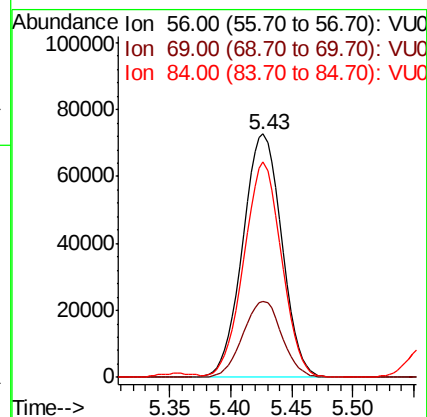
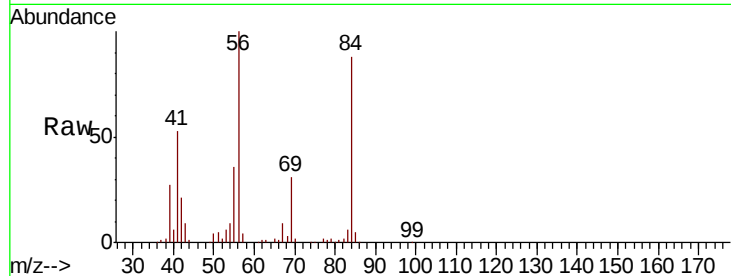




#29
Cyclohexane
Concen: 46.008 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

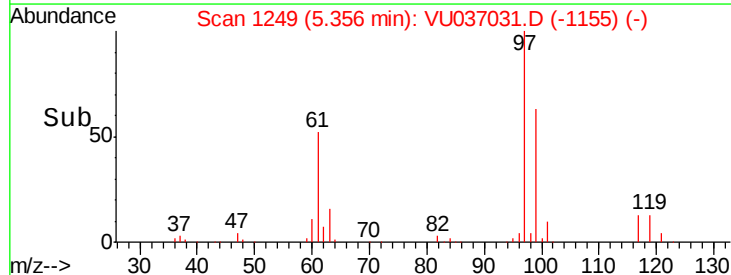
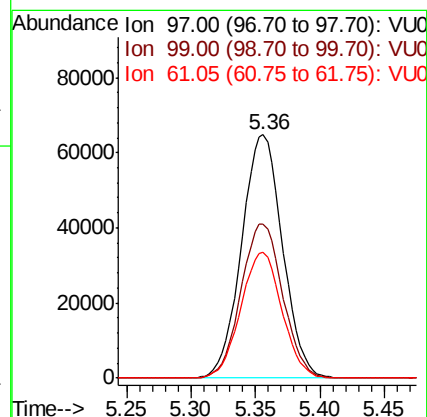
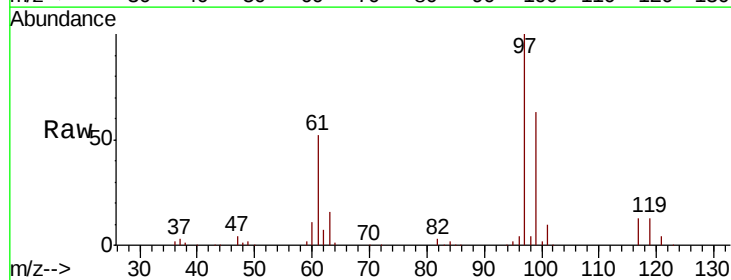
Instrument :
MSVOA_U
ClientSampleId :

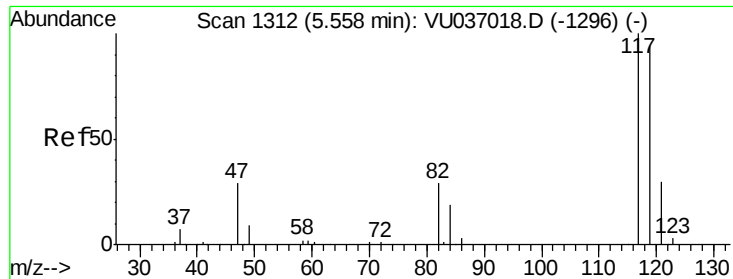
Tot Ion: 56 Resp: 161288
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 85.6 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 50.579 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion: 97 Resp: 143259
Ion Ratio Lower Upper
97 100
99 64.6 50.4 75.6
61 52.0 40.3 60.5





#31

Carbon tetrachloride

Concen: 51.236 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

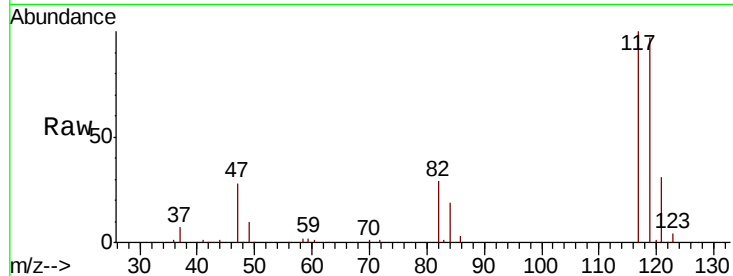
ClientSampleId :

Tot Ion:117 Resp: 113744

Ion Ratio Lower Upper

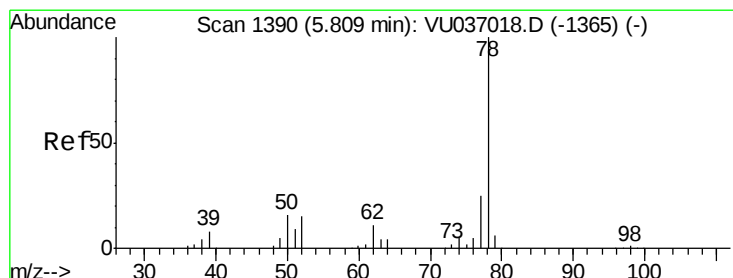
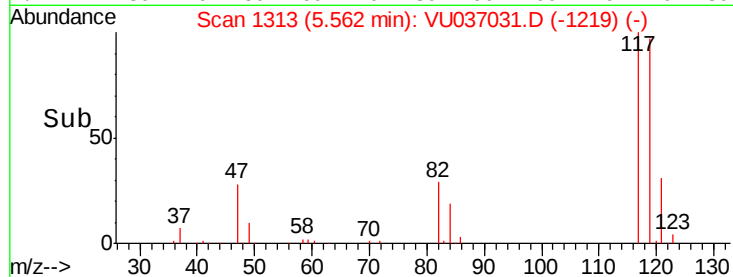
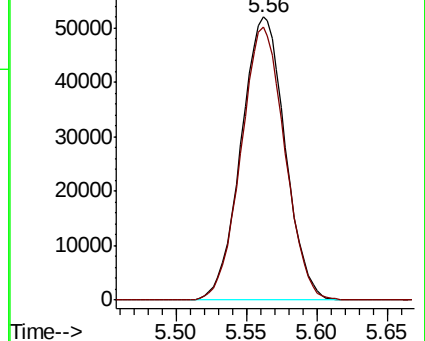
117 100

119 95.7 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.306 ug/L

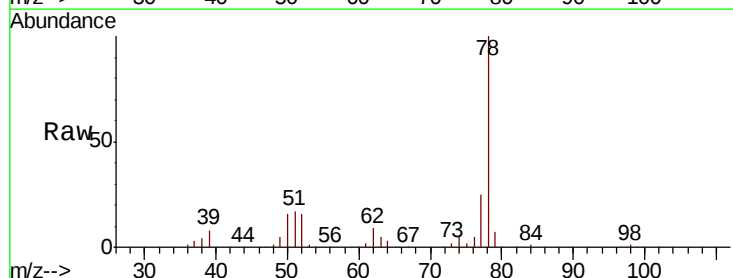
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

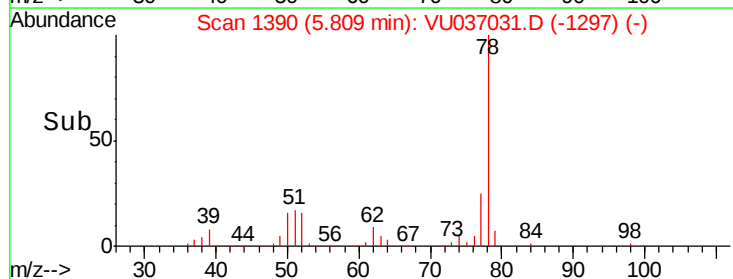
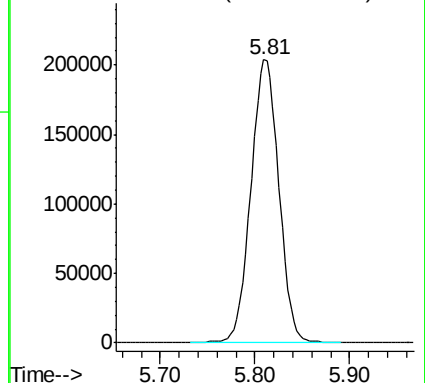
Lab File: VU037031.D

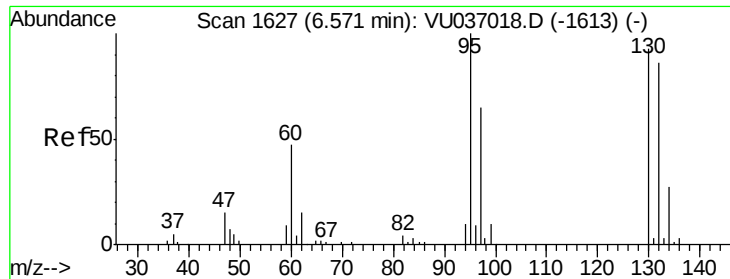
Acq: 03 Mar 2020 18:26

Tgt Ion: 78 Resp: 419838



Abundance Ion 78.00 (77.70 to 78.70): VU0

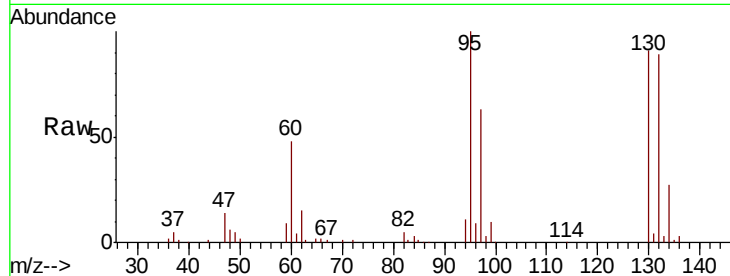




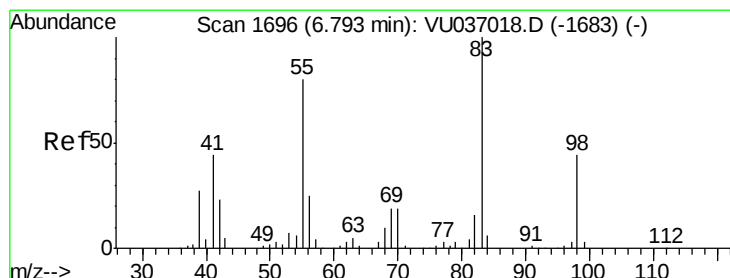
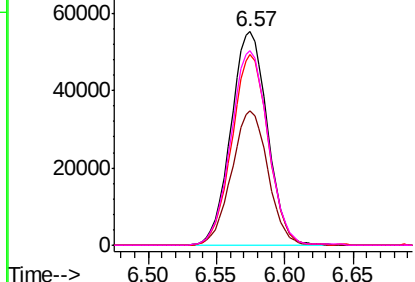
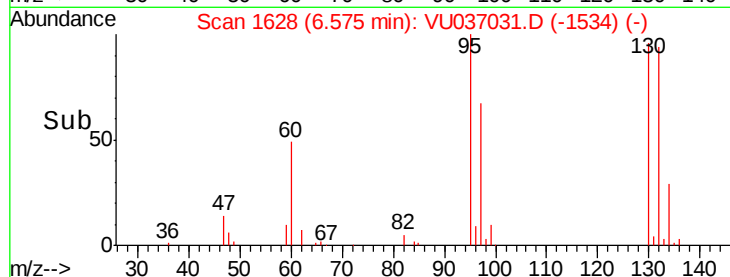
#34
 Trichloroethene
 Concen: 50.161 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 102892
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.1 81.9
 132 89.2 60.6 112.6
 130 91.2 64.9 120.5

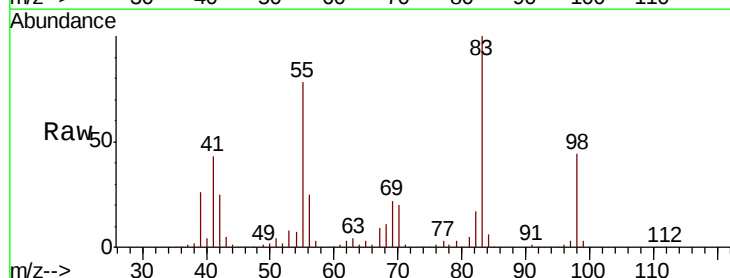


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

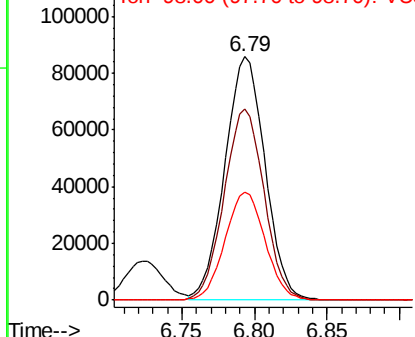
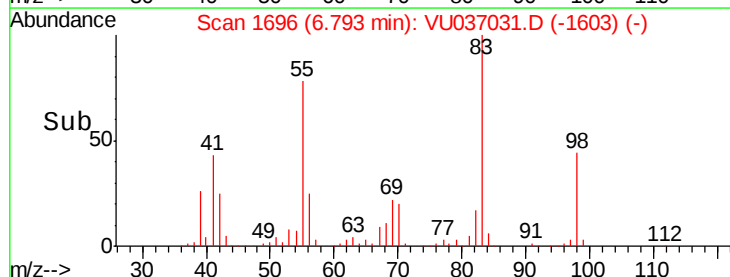


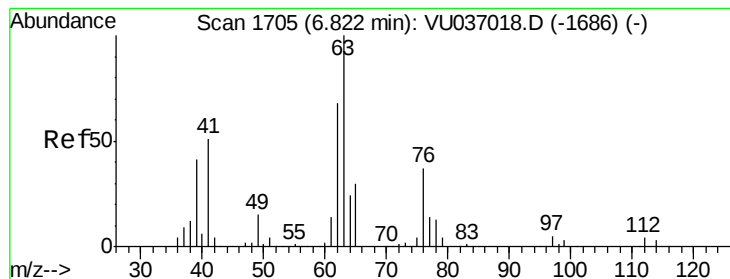
#35
 Methylcyclohexane
 Concen: 46.361 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

Tgt Ion: 83 Resp: 164879
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.6 93.8
 98 44.4 35.1 52.7



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: 51.276 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

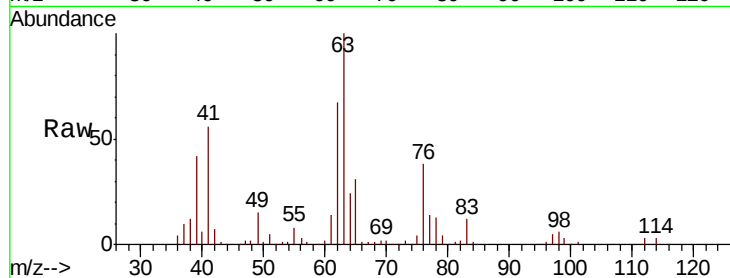
ClientSampleId :

Tot Ion: 63 Resp: 115222

Ion Ratio Lower Upper

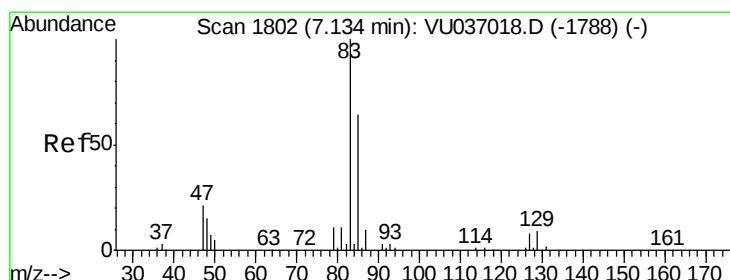
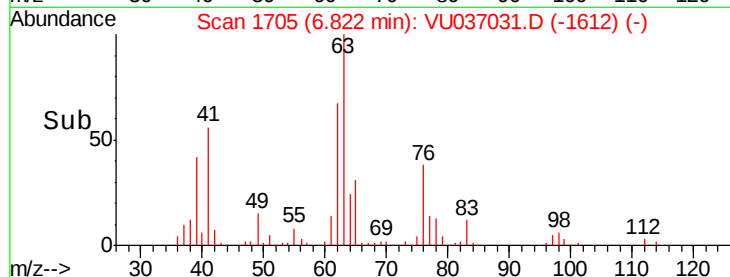
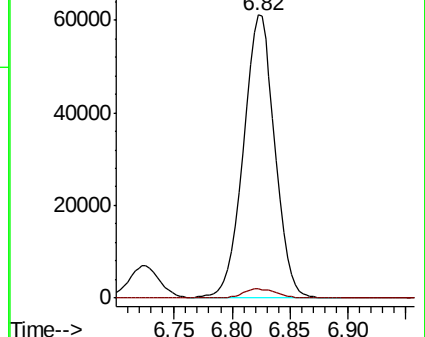
63 100

112 3.4 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU037018.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU037018.D (-1686) (-)



#38

Bromodichloromethane

Concen: 50.875 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

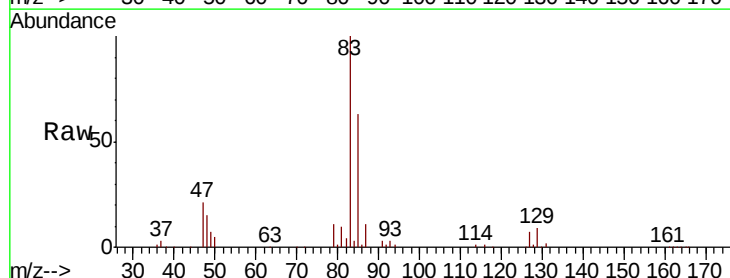
Tgt Ion: 83 Resp: 134944

Ion Ratio Lower Upper

83 100

85 63.4 43.6 81.0

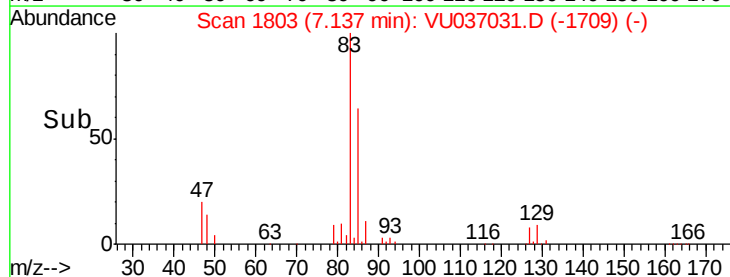
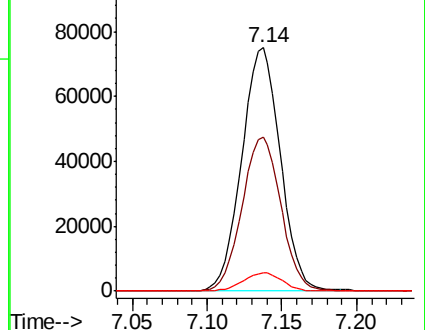
127 7.4 6.0 9.0

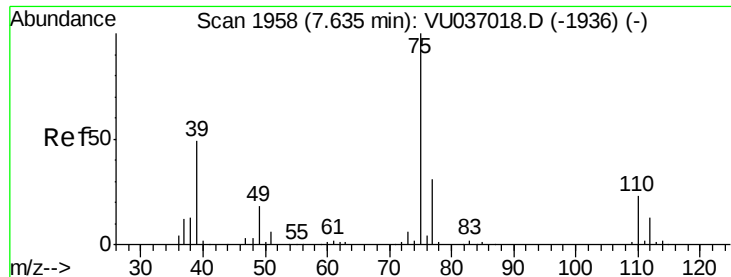


Abundance Ion 83.00 (82.70 to 83.70): VU037018.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037018.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037018.D (-1788) (-)

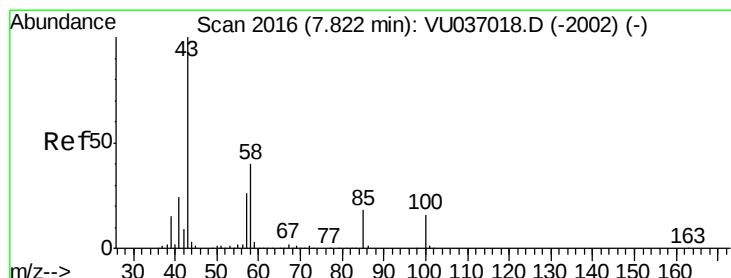
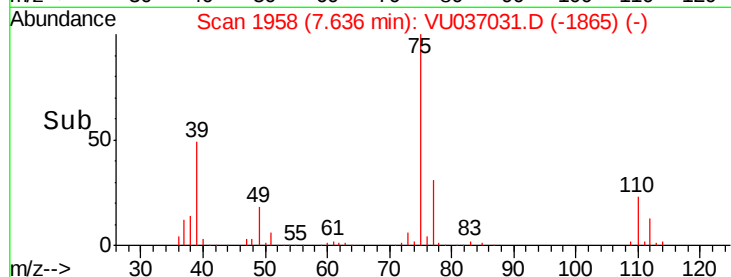
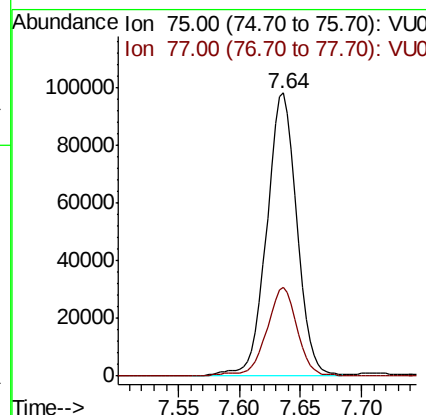
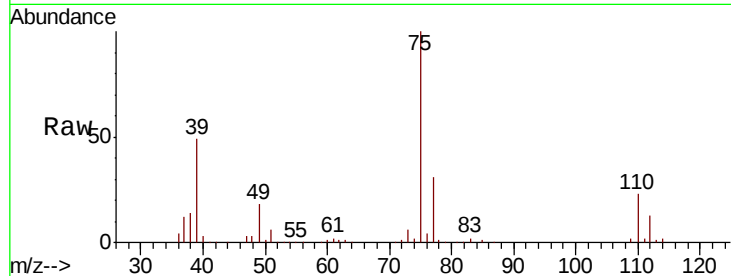




#39
 cis-1,3-Dichloropropene
 Concen: 48.952 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

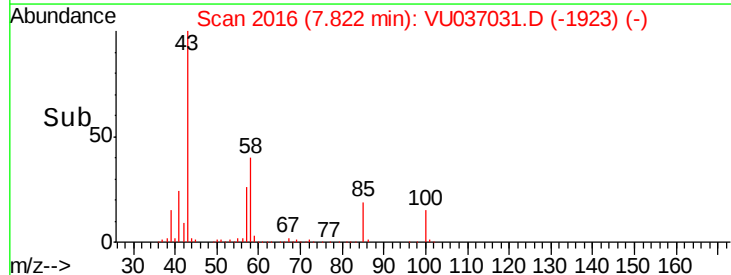
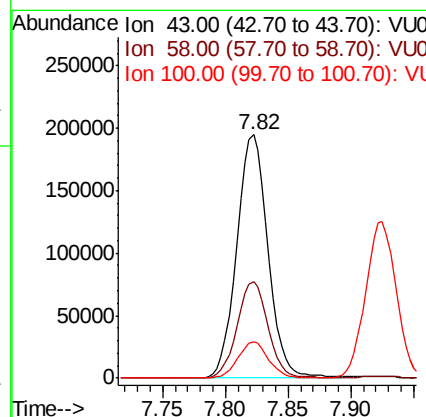
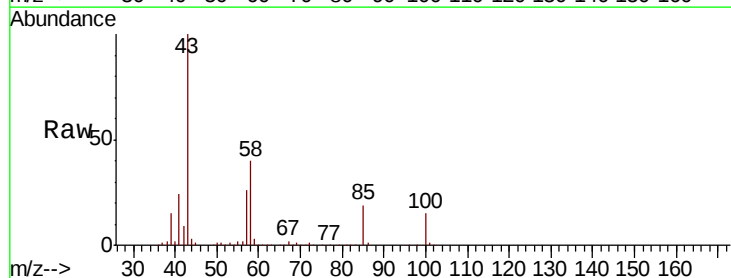
Instrument :
 MSVOA_U
 ClientSampled :

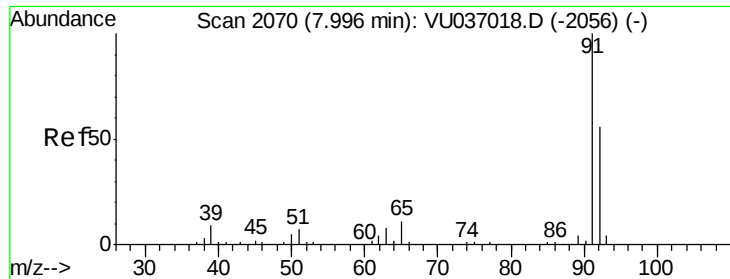
Tot Ion: 75 Resp: 169447
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.792 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

Tgt Ion: 43 Resp: 337049
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6
 100 14.6 11.5 17.3





#42

Toluene

Concen: 50.082 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

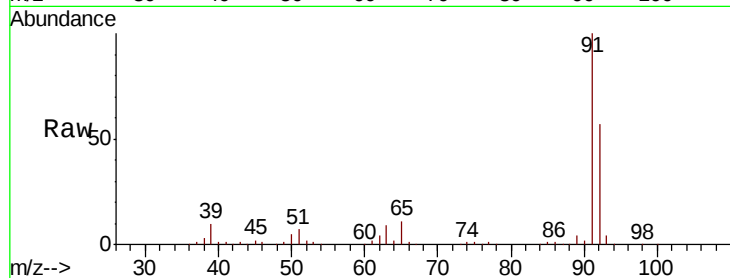
ClientSampleId :

Tot Ion: 91 Resp: 445297

Ion Ratio Lower Upper

91 100

92 56.8 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU037018.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037018.D (-2056) (-)

8.00

250000

200000

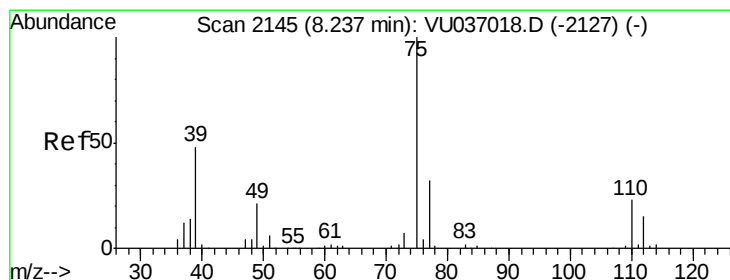
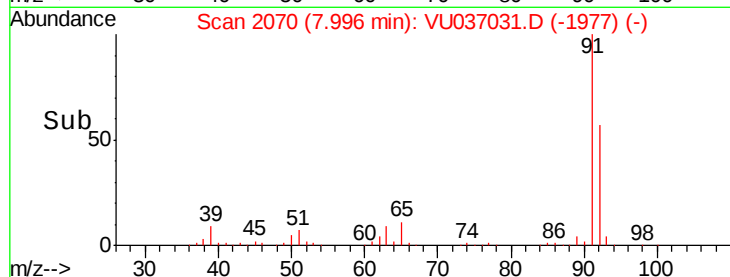
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.132 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037031.D

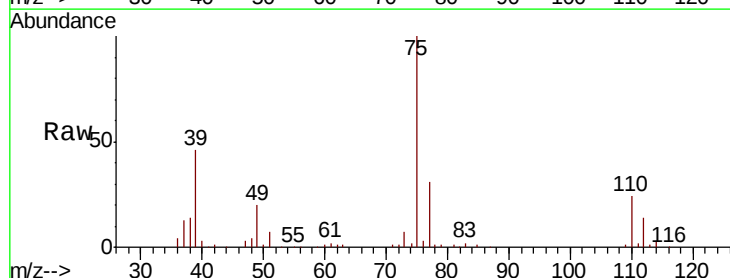
Acq: 03 Mar 2020 18:26

Tgt Ion: 75 Resp: 147531

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU037018.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037018.D (-2127) (-)

8.23

100000

80000

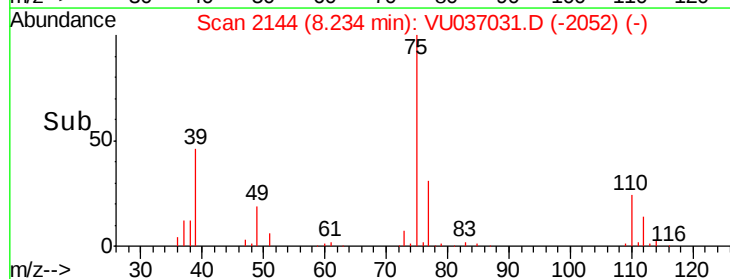
60000

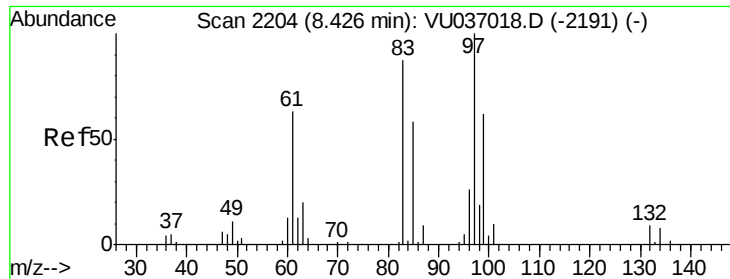
40000

20000

0

Time-->

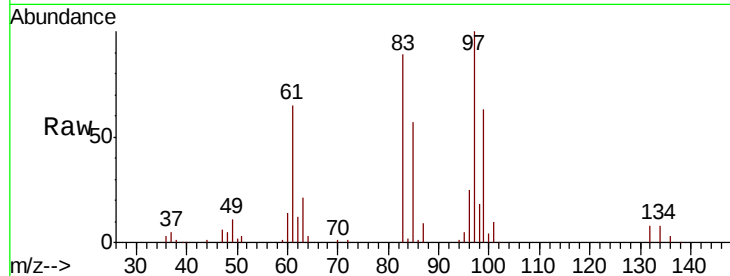




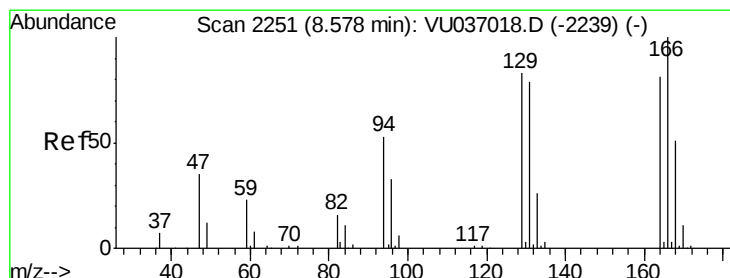
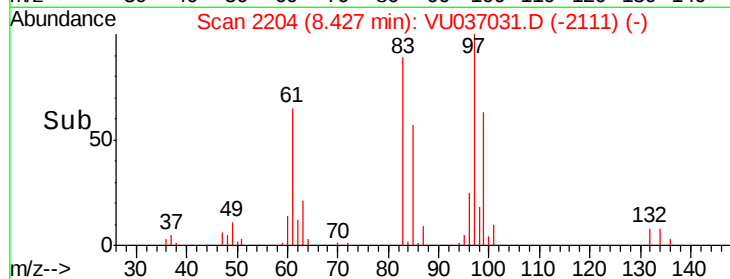
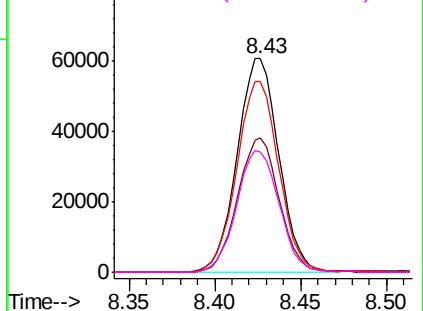
#45
1,1,2-Trichloroethane
Concen: 51.233 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	102377
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.6	81.0
83	89.3	62.7	116.5
85	56.6	40.3	74.9

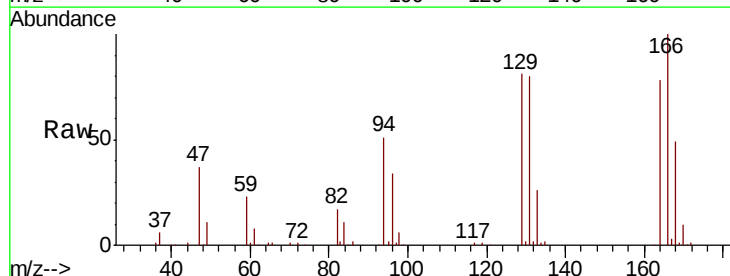


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

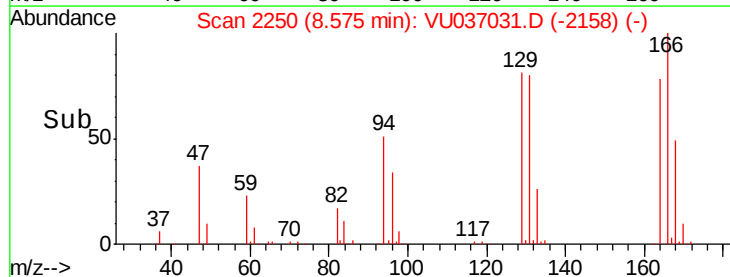
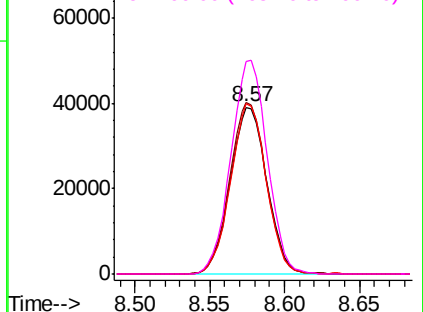


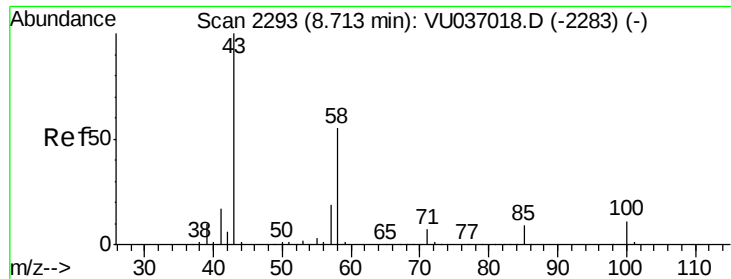
#46
Tetrachloroethene
Concen: 49.368 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion:	164	Resp:	66710
Ion	Ratio	Lower	Upper
164	100		
129	102.9	72.0	133.8
131	101.8	67.9	126.1
166	127.4	87.1	161.7



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

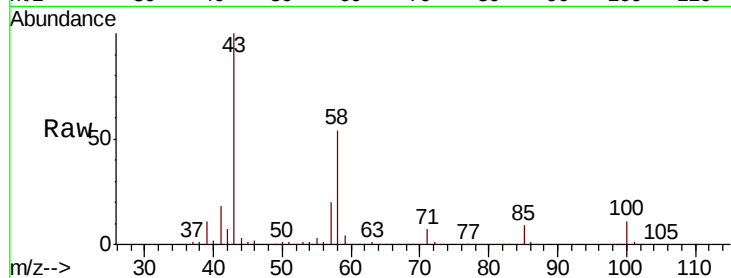




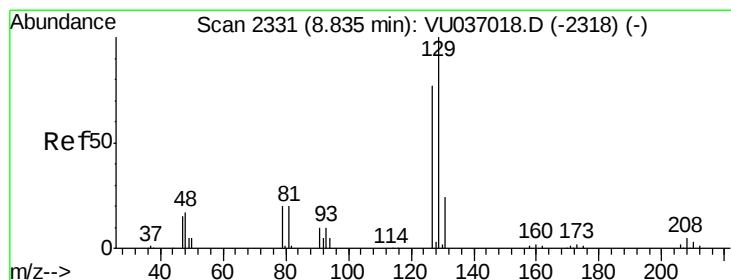
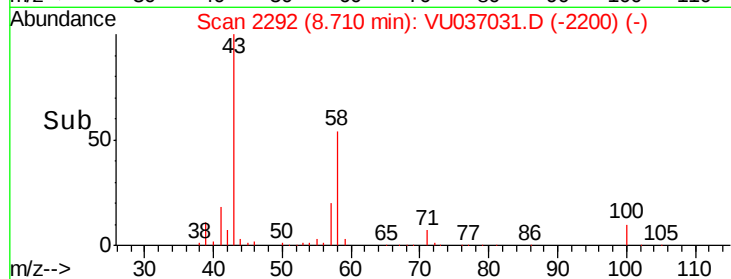
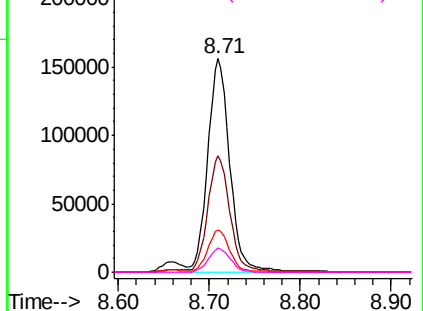
#48
2-Hexanone
Concen: 99.505 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 262920
Ion Ratio Lower Upper
43 100
58 53.8 43.5 65.3
57 19.5 15.1 22.7
100 11.2 8.7 13.1

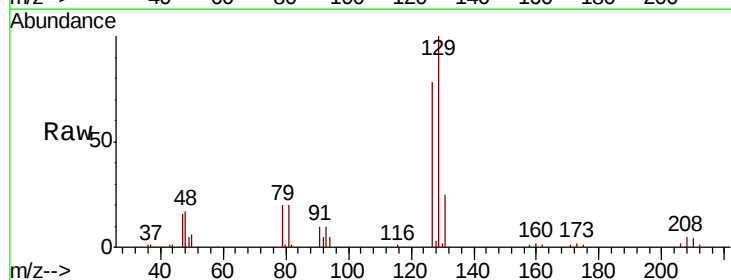


Abundance Ion 43.00 (42.70 to 43.70): VU037031.D (-2292) (-)
Ion 58.00 (57.70 to 58.70): VU037031.D (-2292) (-)
Ion 57.00 (56.70 to 57.70): VU037031.D (-2292) (-)
Ion 100.00 (99.70 to 100.70): VU037031.D (-2292) (-)

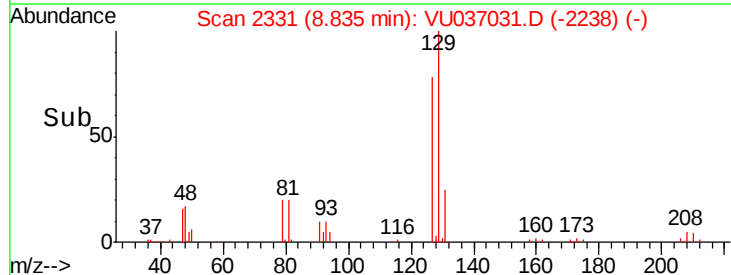
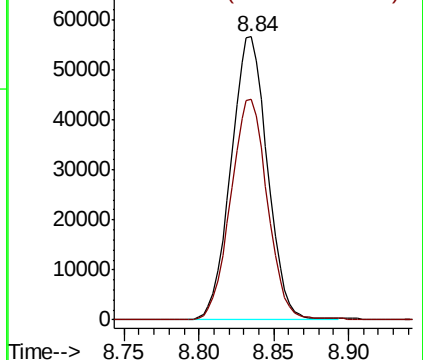


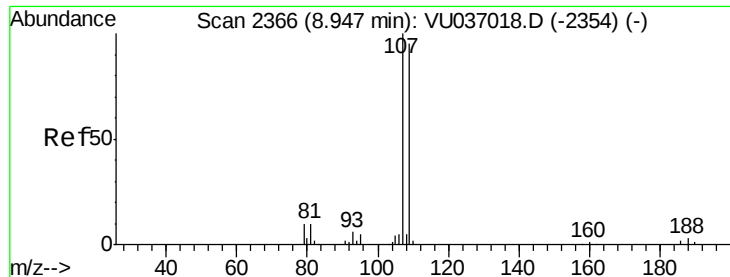
#49
Dibromochloromethane
Concen: 50.716 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion: 129 Resp: 96192
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU037031.D (-2331) (-)
Ion 127.00 (126.70 to 127.70): VU037031.D (-2331) (-)

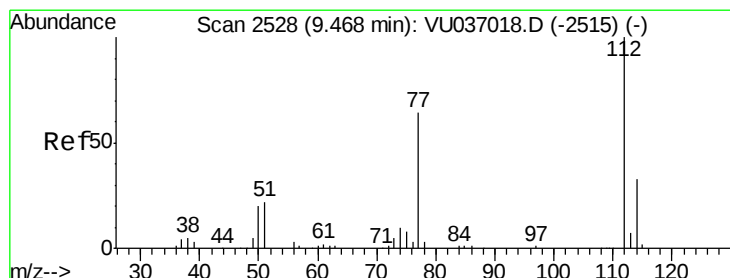
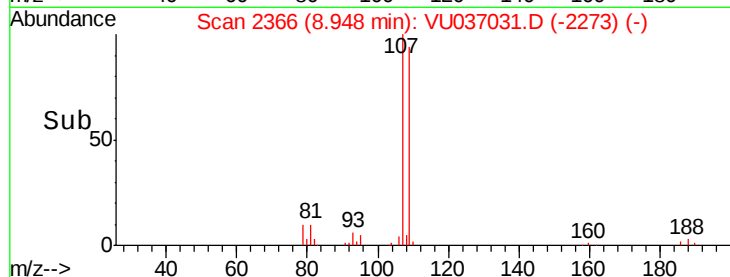
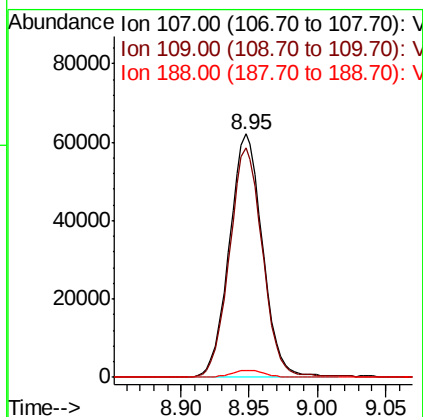
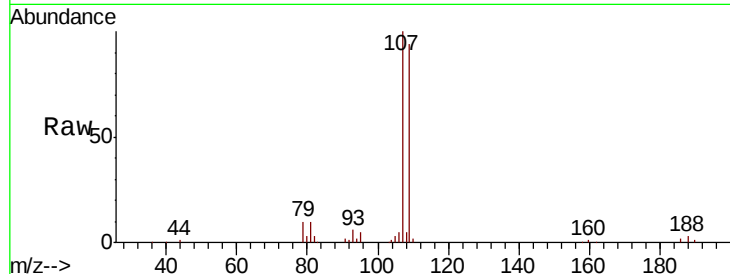




#50
1,2-Dibromoethane
Concen: 50.315 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

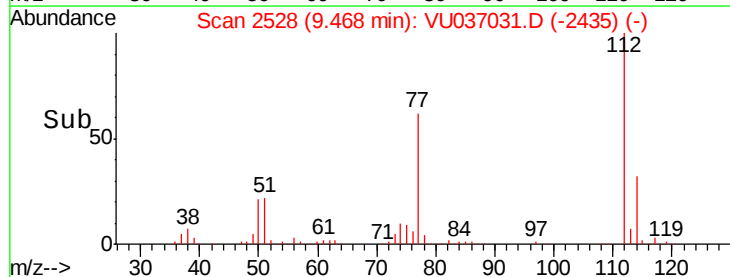
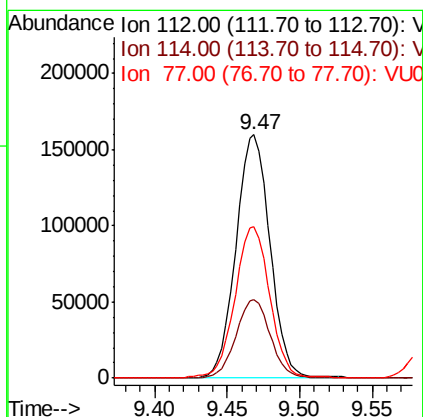
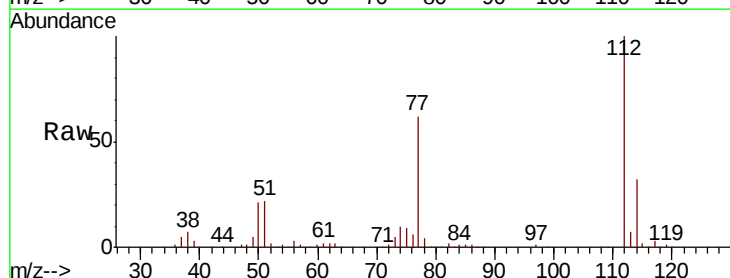
Instrument :
MSVOA_U
ClientSampleId :

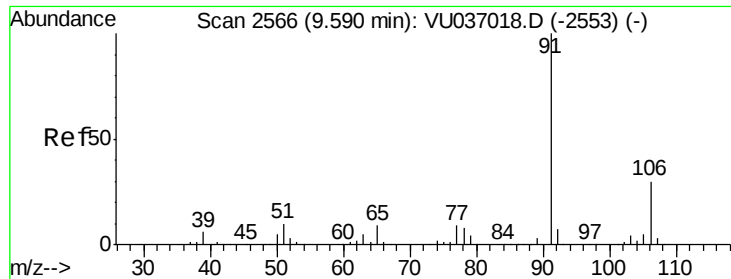
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	65.9	122.5
188	2.8	2.2	3.2



#51
Chlorobenzene
Concen: 49.580 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	62.2	50.1	75.1





#52

Ethylbenzene

Concen: 49.093 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

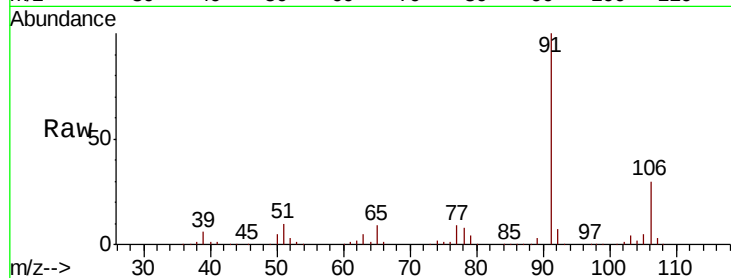
ClientSampleId :

Tot Ion: 91 Resp: 473197

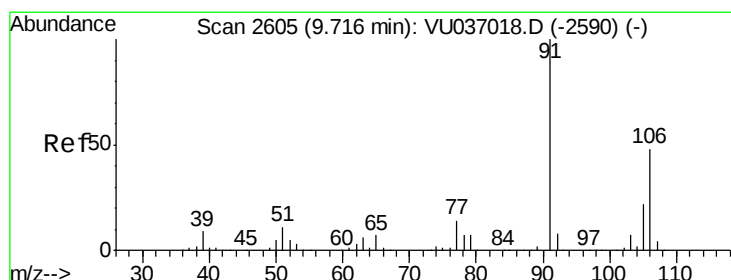
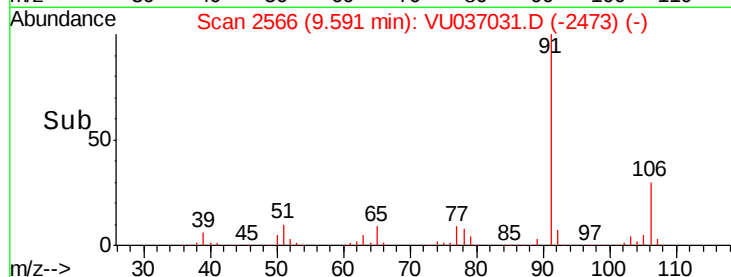
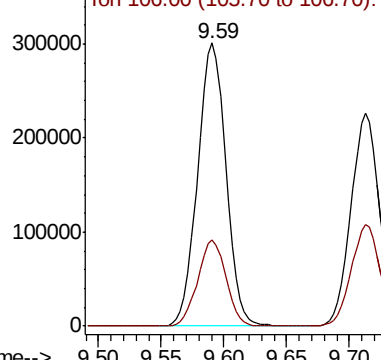
Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037018.D (-2553) (-)



#53

m,p-Xylene

Concen: 49.312 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037031.D

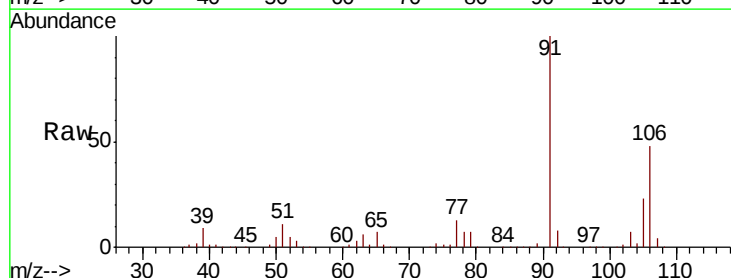
Acq: 03 Mar 2020 18:26

Tgt Ion: 106 Resp: 174349

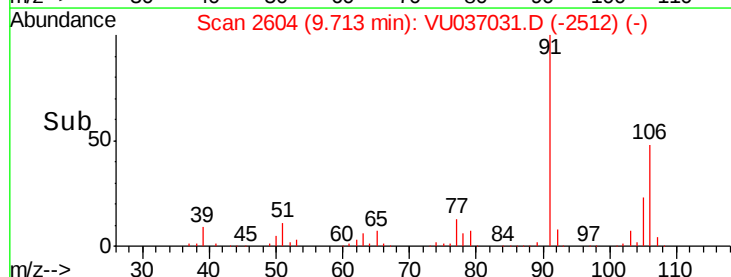
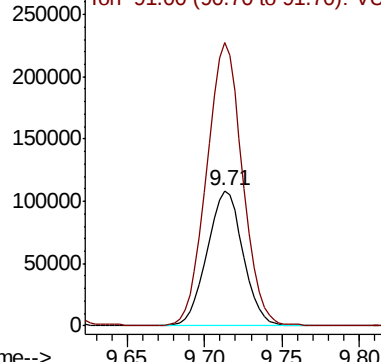
Ion Ratio Lower Upper

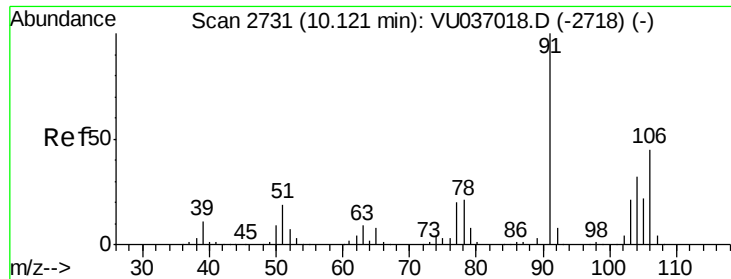
106 100

91 209.4 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU037018.D (-2590) (-)

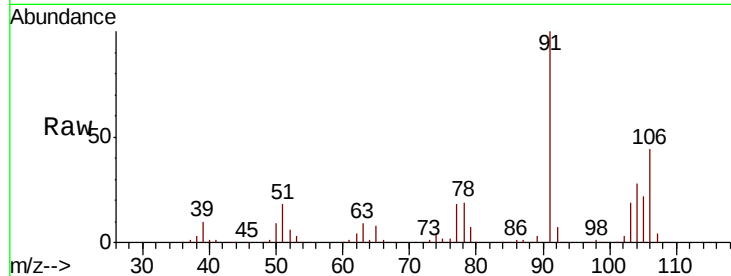




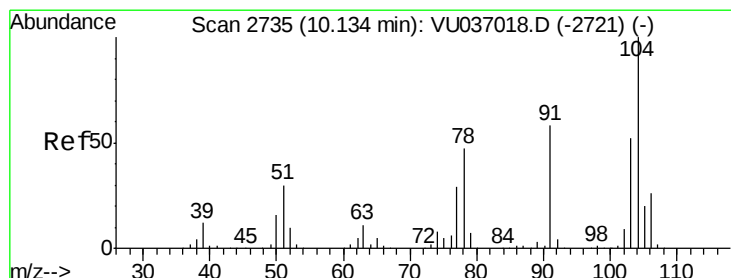
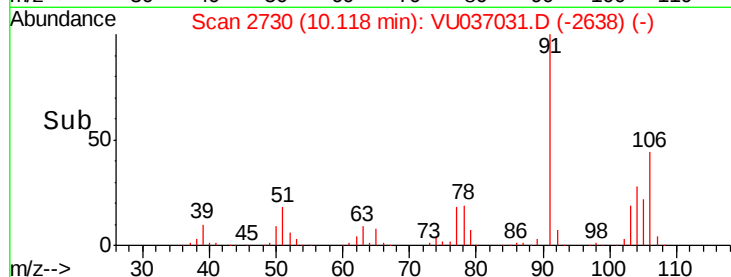
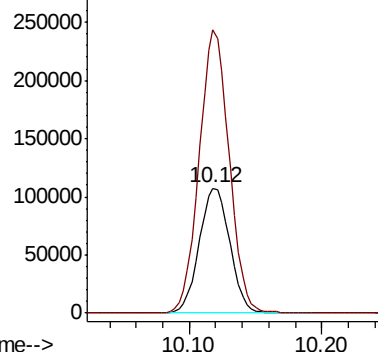
#54
o-xylene
Concen: 49.083 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 173084
Ion Ratio Lower Upper
106 100
91 226.4 154.2 286.4

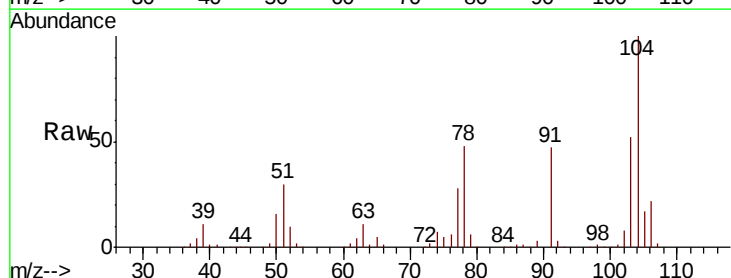


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

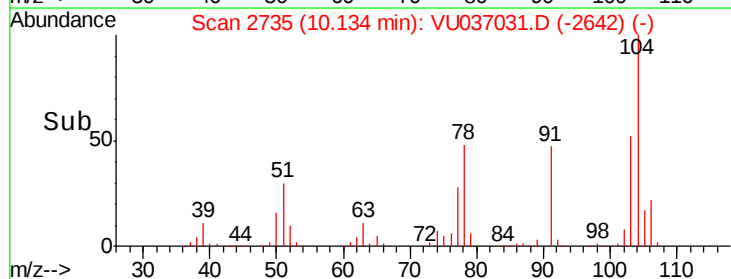
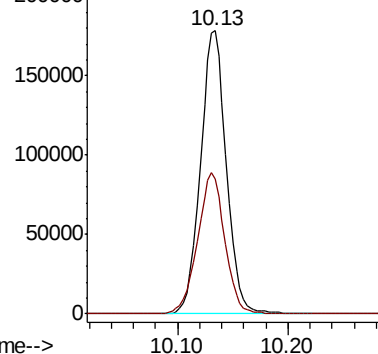


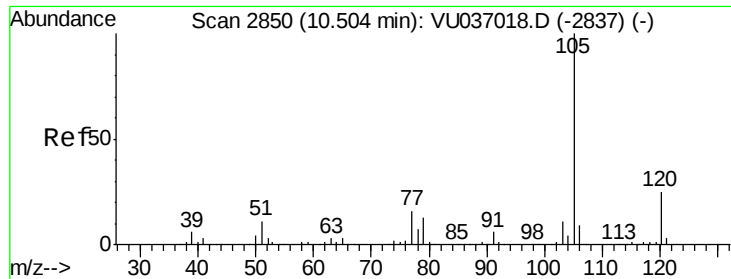
#55
Styrene
Concen: 50.122 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037031.D
Acq: 03 Mar 2020 18:26

Tgt Ion:104 Resp: 288930
Ion Ratio Lower Upper
104 100
78 47.6 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.406 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampleId :

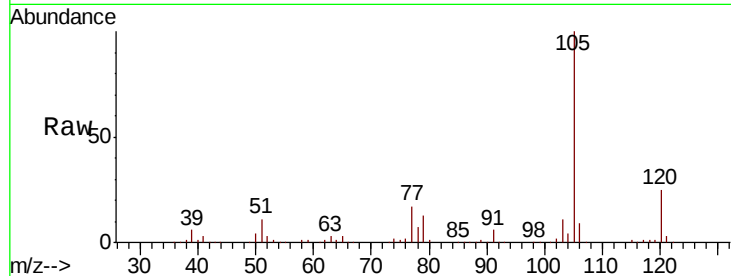
Tot Ion:105 Resp: 447480

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

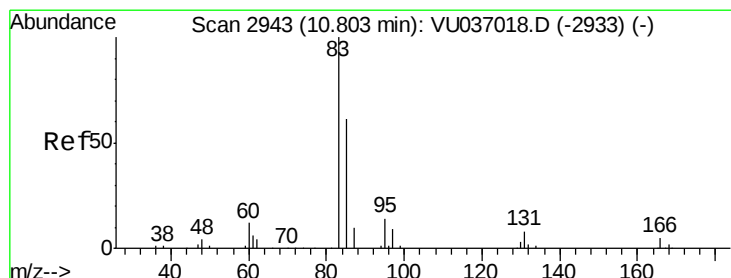
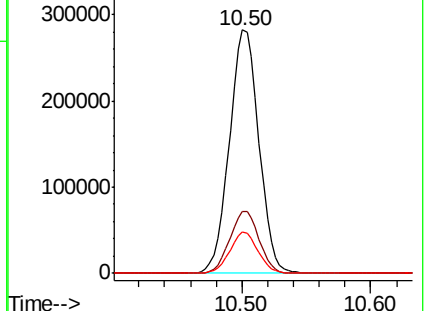
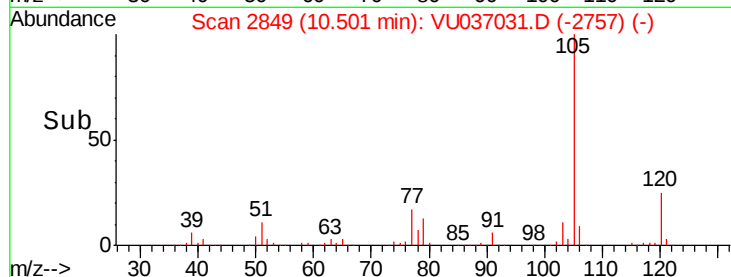
77 16.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.124 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

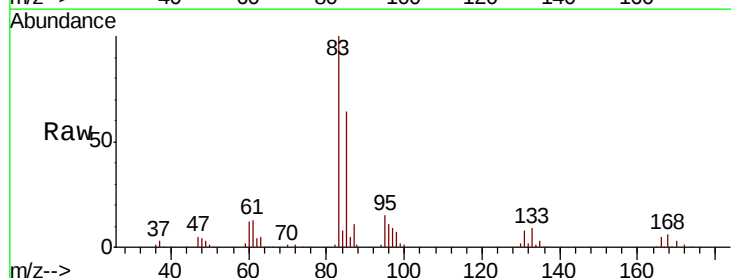
Tgt Ion: 83 Resp: 182637

Ion Ratio Lower Upper

83 100

85 64.1 45.5 84.5

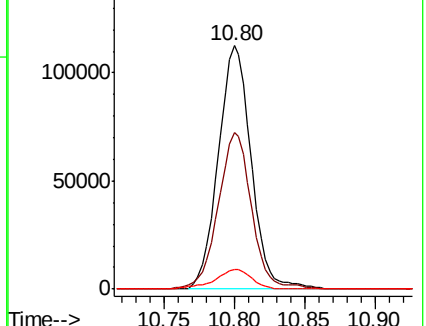
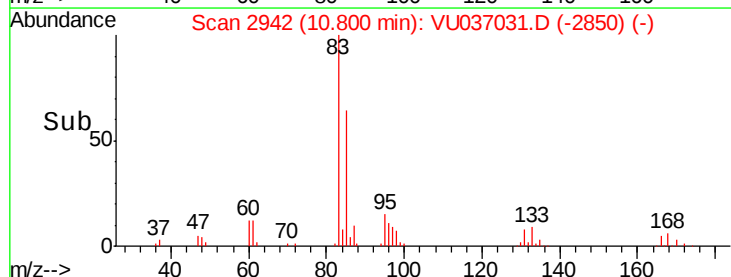
131 8.1 6.8 10.2

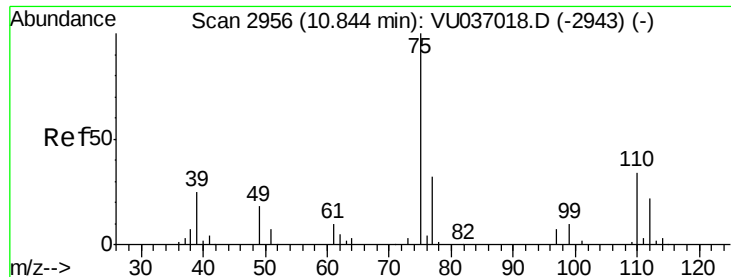


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.567 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

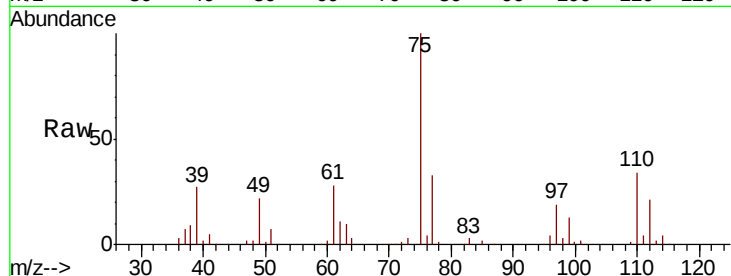
ClientSampled :

Tot Ion: 75 Resp: 149066

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037018.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037018.D (-2943) (-)

10.84

80000

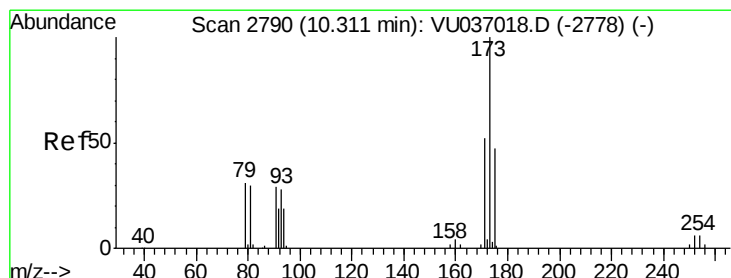
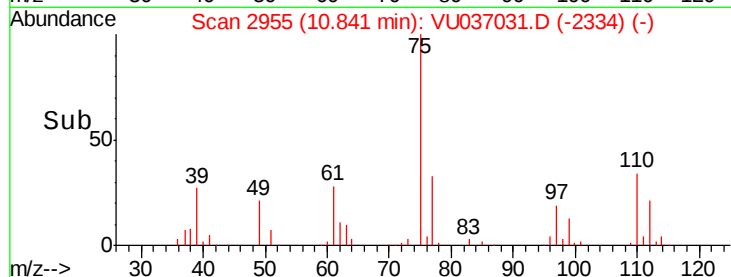
60000

40000

20000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 49.729 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

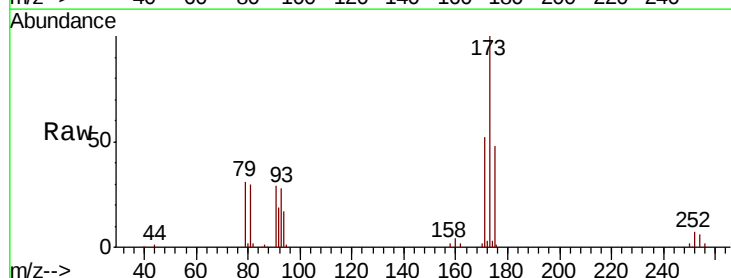
Tgt Ion:173 Resp: 66187

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 6.1 4.6 6.8



Abundance Ion 173.00 (172.70 to 173.70): VU037018.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU037018.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU037018.D (-2778) (-)

10.31

50000

40000

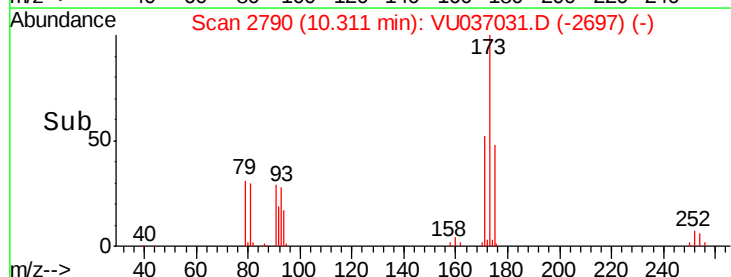
30000

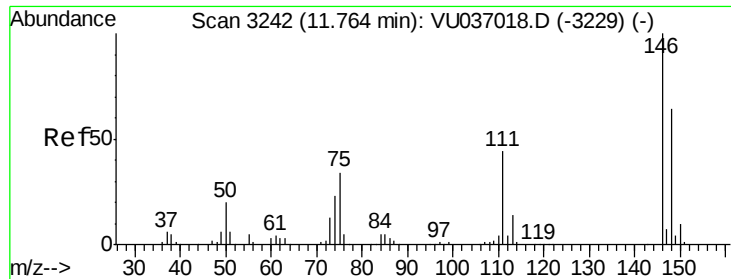
20000

10000

0

Time--> 10.25 10.30 10.35 10.40





#62

1,3-Dichlorobenzene

Concen: 48.247 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampleId :

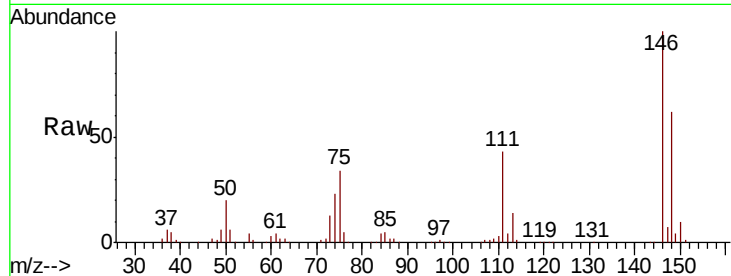
Tot Ion:146 Resp: 184250

Ion Ratio Lower Upper

146 100

111 43.3 30.7 56.9

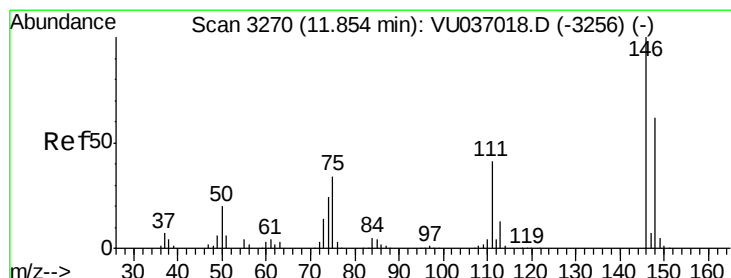
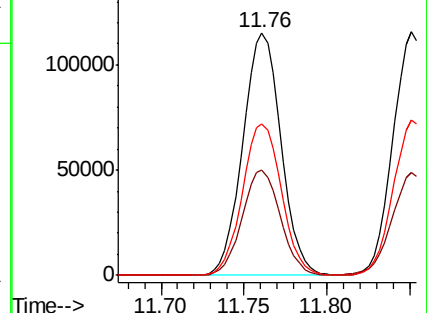
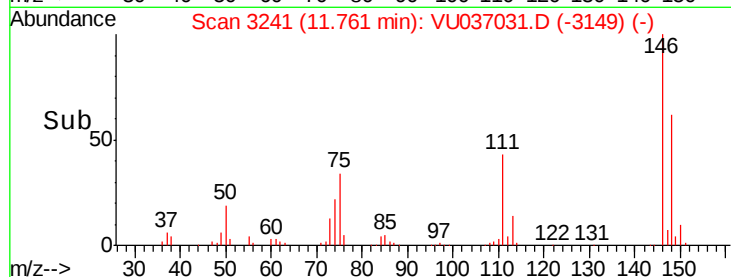
148 62.4 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 48.618 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

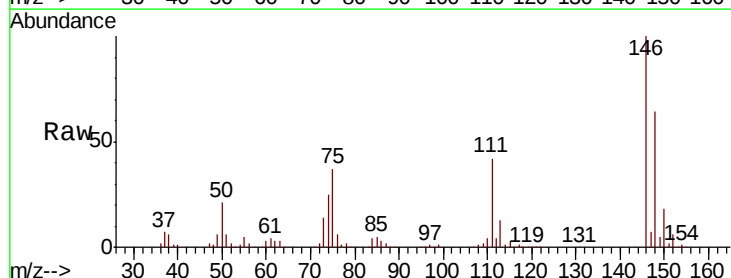
Tgt Ion:146 Resp: 183439

Ion Ratio Lower Upper

146 100

111 42.4 29.8 55.4

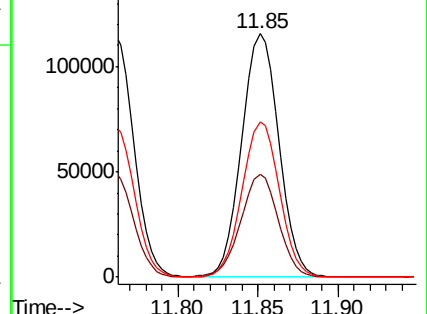
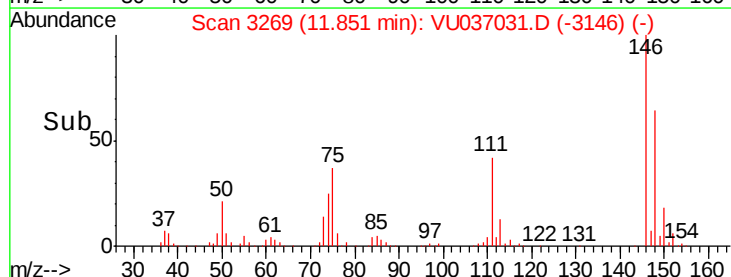
148 64.0 45.1 83.9

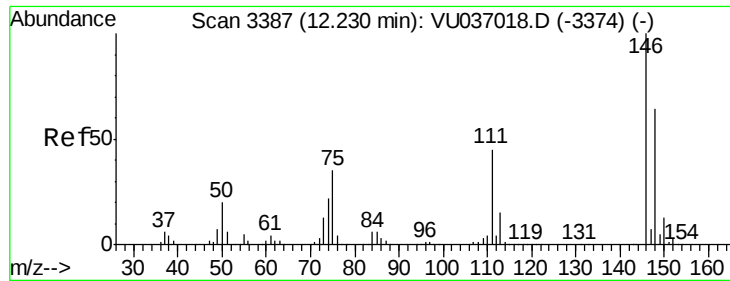


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.107 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampleId :

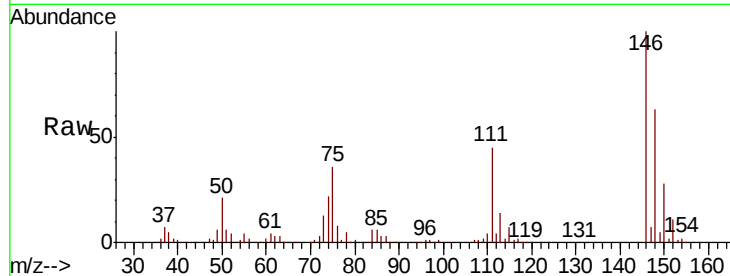
Tot Ion:146 Resp: 191060

Ion Ratio Lower Upper

146 100

111 44.5 35.4 53.0

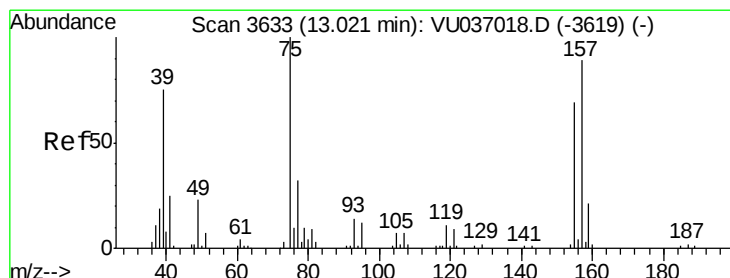
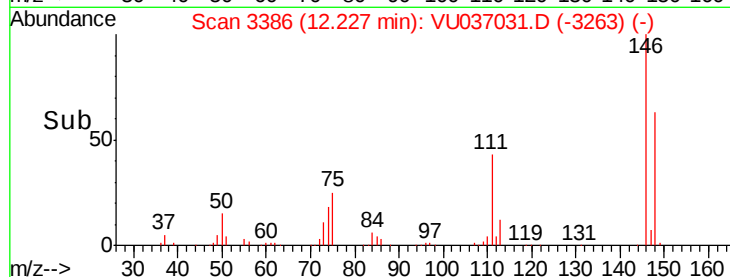
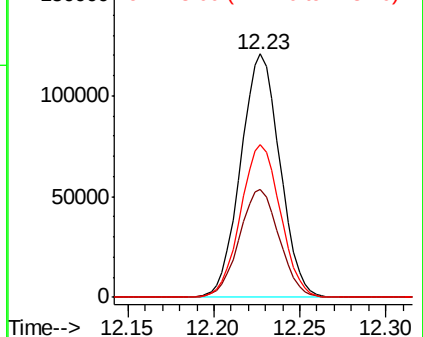
148 62.9 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.540 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

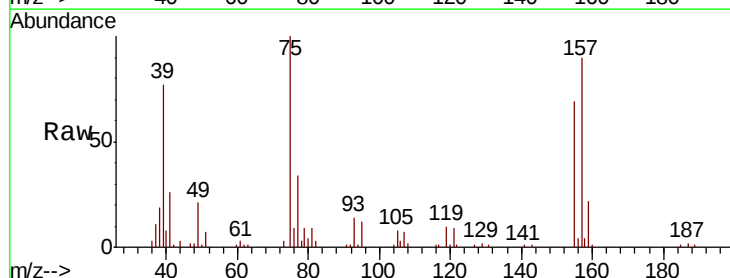
Tgt Ion: 75 Resp: 38232

Ion Ratio Lower Upper

75 100

155 69.0 55.7 83.5

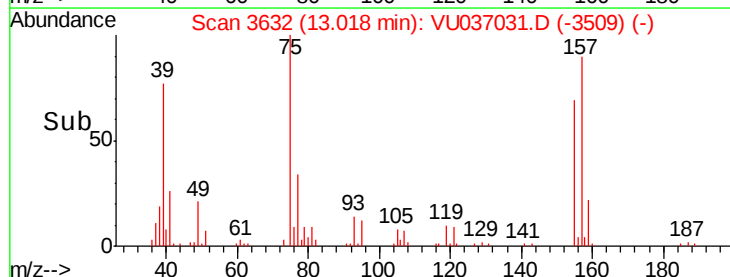
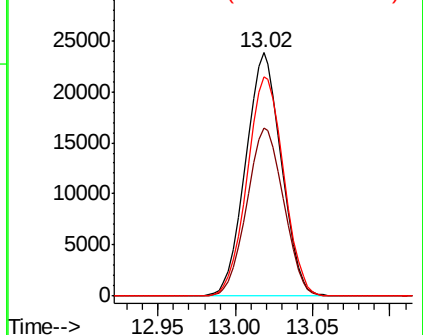
157 90.1 73.0 109.6

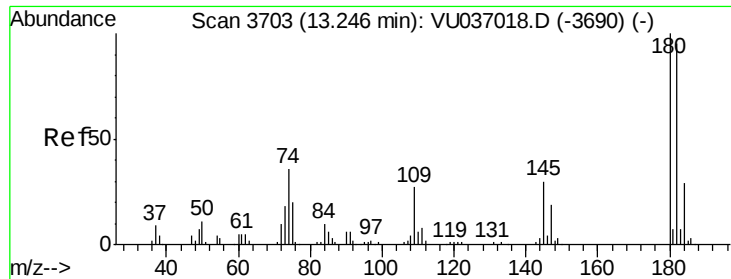


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

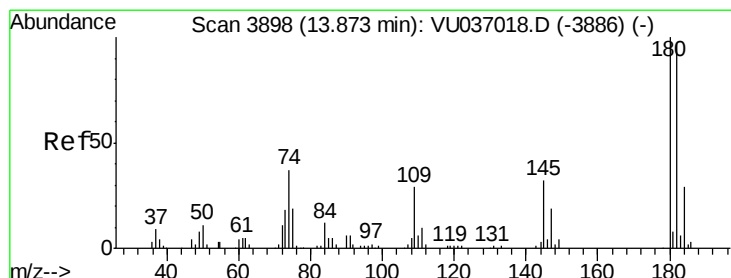
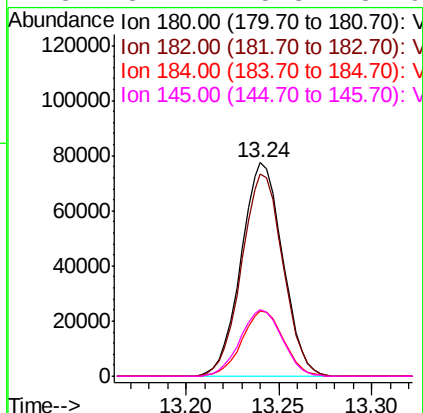
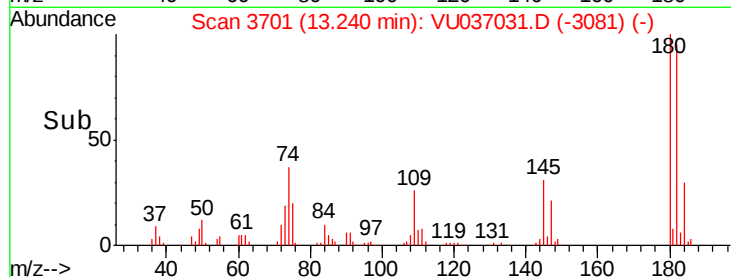
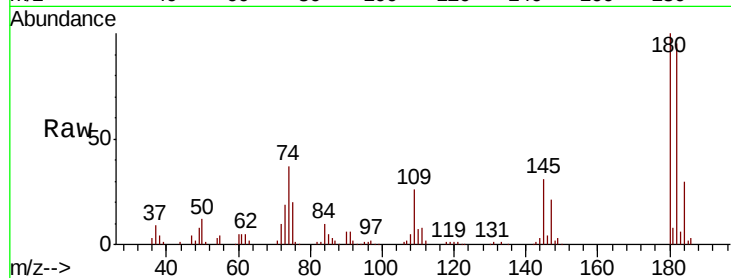




#67
 1,3,5-Trichlorobenzene
 Concen: 49.777 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

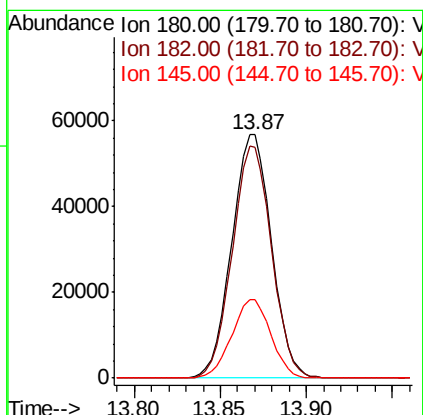
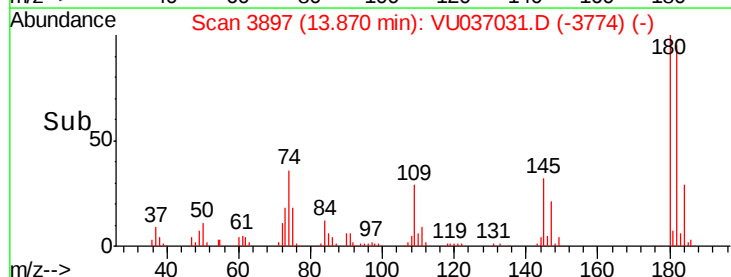
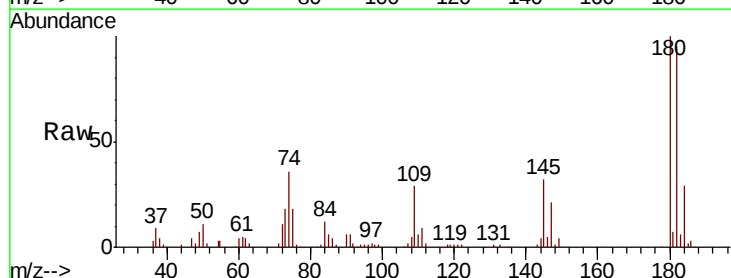
Instrument :
 MSVOA_U
 ClientSampled :

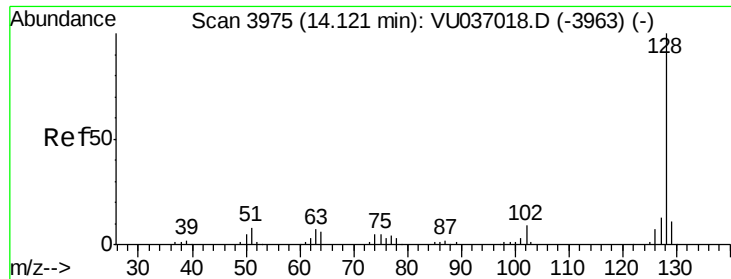
Tot Ion	180	Resp	120659
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.9	115.3
184	30.3	24.2	36.2
145	31.4	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 50.167 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU037031.D
 Acq: 03 Mar 2020 18:26

Tgt Ion	180	Resp	91110
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.3	112.9
145	31.6	26.2	39.4





#69

Naphthalene

Concen: 43.614 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampled :

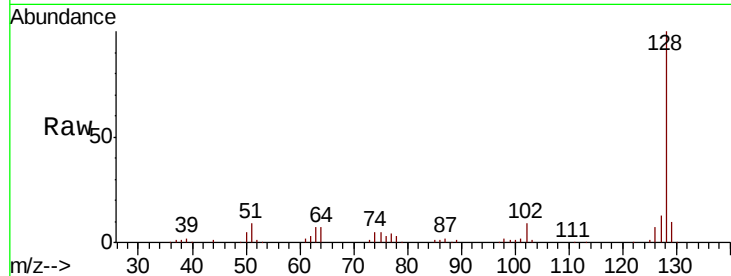
Tot Ion:128 Resp: 139822

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 10.4 8.6 12.8

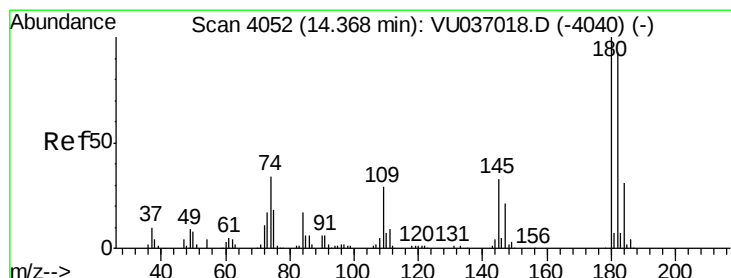
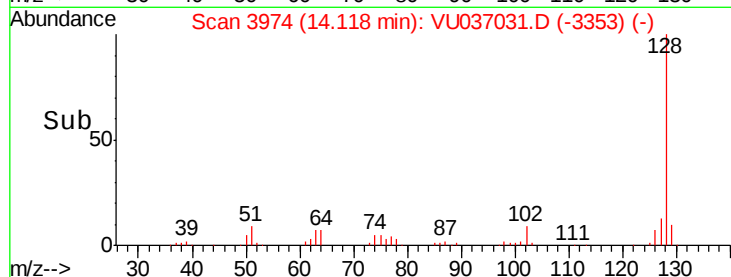
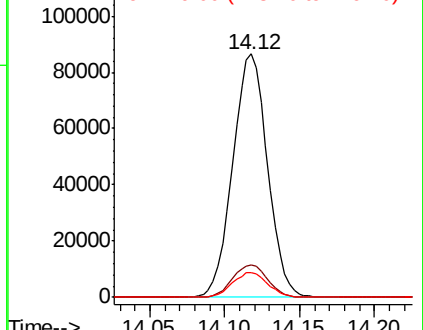


Abundance

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: 51.353 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037031.D

Acq: 03 Mar 2020 18:26

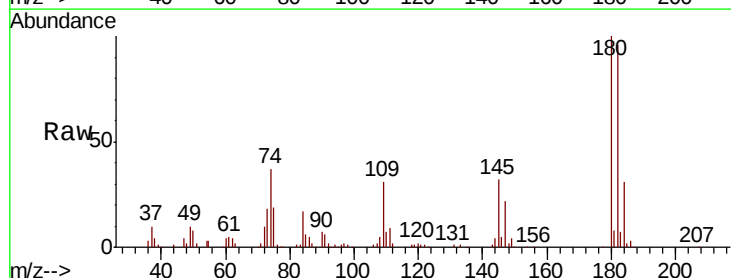
Tgt Ion:180 Resp: 93198

Ion Ratio Lower Upper

180 100

182 97.6 77.0 115.6

145 33.0 28.1 42.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

