

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037838.D
 Acq On : 21 Apr 2020 20:24
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 22 02:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 22 02:16:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	521327	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	502189	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	250818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	196507	42.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.34%
7) Chloroethane-d5	1.93	69	168130	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.44%
11) 1,1-Dichloroethene-d2	2.59	63	341797	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.76%
21) 2-Butanone-d5	4.66	46	357818	94.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.06%
24) Chloroform-d	5.10	84	346307	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
26) 1,2-Dichloroethane-d4	5.74	65	235958	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
32) Benzene-d6	5.76	84	711724	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	6.72	67	241871	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.40%
41) Toluene-d8	7.92	98	638054	44.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.64%
43) trans-1,3-Dichloropropene-	8.20	79	119672	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.65	63	257529	94.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.13%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	338569	47.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.02%
64) 1,2-Dichlorobenzene-d4	12.20	152	240974	45.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	190226	41.387	ug/L 100
3) Chloromethane	1.54	50	200704	43.774	ug/L 100
5) Vinyl chloride	1.62	62	233593	43.507	ug/L 98
6) Bromomethane	1.87	94	85078	41.011	ug/L 99
8) Chloroethane	1.95	64	139217	44.155	ug/L 99
9) Trichlorofluoromethane	2.16	101	252553	42.533	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	146588	42.399	ug/L 100
12) 1,1-Dichloroethene	2.60	96	149584	43.882	ug/L 94
13) Acetone	2.66	43	203183	80.306	ug/L 100
14) Carbon disulfide	2.82	76	476950	41.950	ug/L 100
15) Methyl Acetate	2.98	43	252806	44.840	ug/L 99
16) Methylene chloride	3.08	84	182412	44.572	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	164424	43.708	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	600812	44.864	ug/L 100
19) 1,1-Dichloroethane	3.91	63	348754	44.648	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	186768	44.421	ug/L 97
22) 2-Butanone	4.75	43	363856	87.514	ug/L 99

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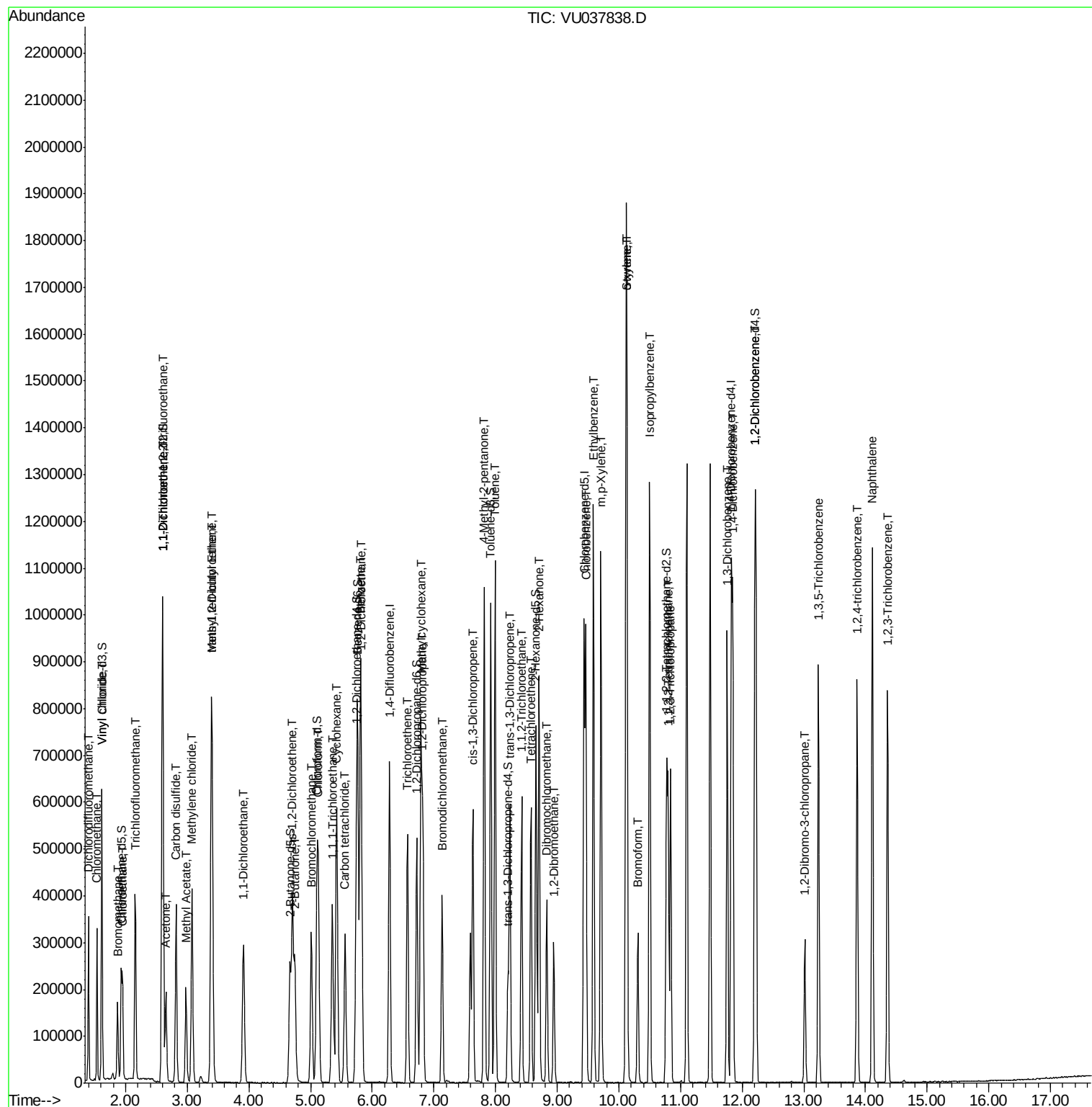
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	91379	45.254	ug/L	97
25) Chloroform	5.13	83	326395	44.627	ug/L	98
27) 1,2-Dichloroethane	5.83	62	280416	44.475	ug/L	100
29) Cyclohexane	5.42	56	316177	41.900	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	275080	44.698	ug/L	99
31) Carbon tetrachloride	5.56	117	215977	43.623	ug/L	99
33) Benzene	5.81	78	737385	44.798	ug/L	100
34) Trichloroethene	6.57	95	176276	43.381	ug/L	98
35) Methylcyclohexane	6.79	83	293210	41.330	ug/L	99
37) 1,2-Dichloropropane	6.82	63	211211	45.428	ug/L	99
38) Bromodichloromethane	7.13	83	252188	45.072	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	329967	45.057	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	706010	89.015	ug/L	99
42) Toluene	7.99	91	767355	44.022	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	317410	45.094	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	181123	45.084	ug/L	99
46) Tetrachloroethene	8.57	164	124552	42.670	ug/L	98
48) 2-Hexanone	8.71	43	553705	88.002	ug/L	99
49) Dibromochloromethane	8.83	129	188215	45.001	ug/L	99
50) 1,2-Dibromoethane	8.94	107	194425	45.086	ug/L	99
51) Chlorobenzene	9.47	112	471173	43.285	ug/L	100
52) Ethylbenzene	9.59	91	851166	43.540	ug/L	100
53) m,p-Xylene	9.71	106	316848	42.740	ug/L	98
54) o-xylene	10.12	106	312276	43.349	ug/L	100
55) Styrene	10.13	104	541493	43.371	ug/L	100
56) Isopropylbenzene	10.50	105	817940	42.732	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	320226	44.734	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	272760	44.019	ug/L	99
61) Bromoform	10.31	173	140309	44.669	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	363037	42.792	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	365742	42.697	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	363193	43.395	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	79756	43.603	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	261518	42.463	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	249932	42.661	ug/L	99
69) Naphthalene	14.11	128	873166	42.312	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	247064	42.378	ug/L	99

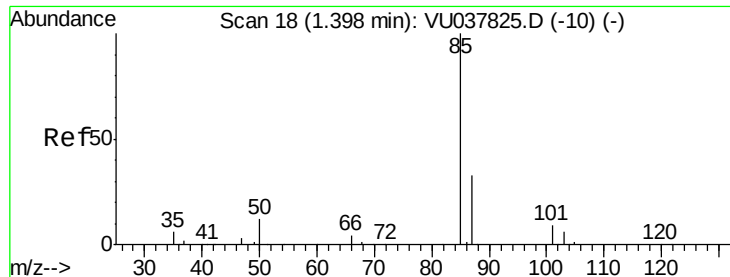
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.387 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

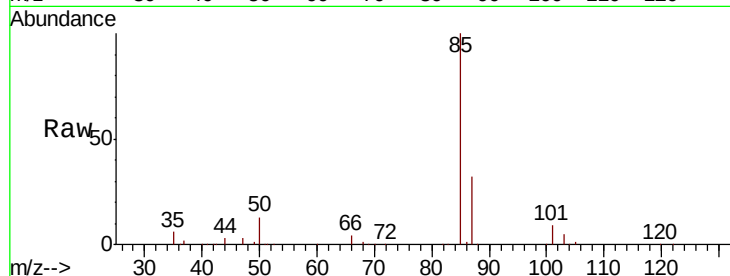
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 190226

Ion Ratio Lower Upper

85 100

87 31.5 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU037825.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037825.D (-10) (-)

1.40

200000

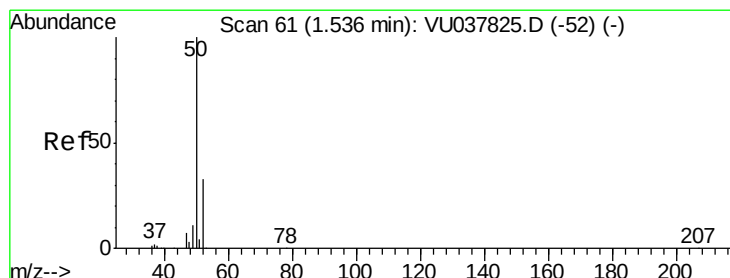
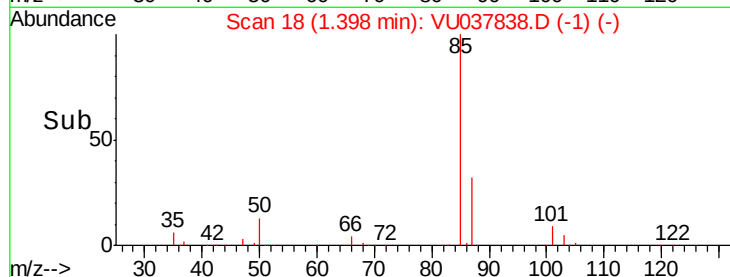
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.774 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037838.D

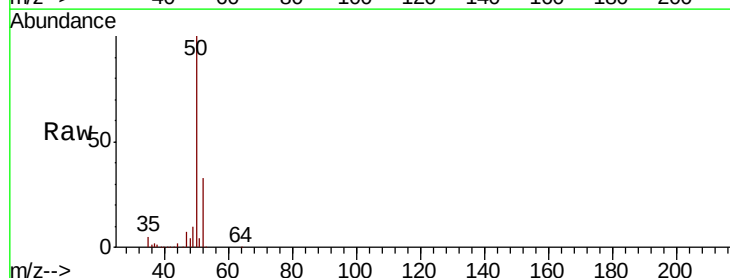
Acq: 21 Apr 2020 20:24

Tgt Ion: 50 Resp: 200704

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037825.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037825.D (-52) (-)

1.54

200000

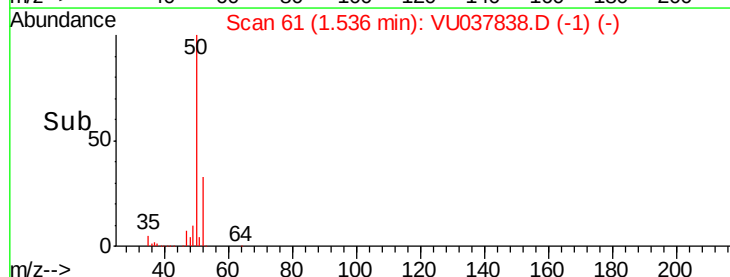
150000

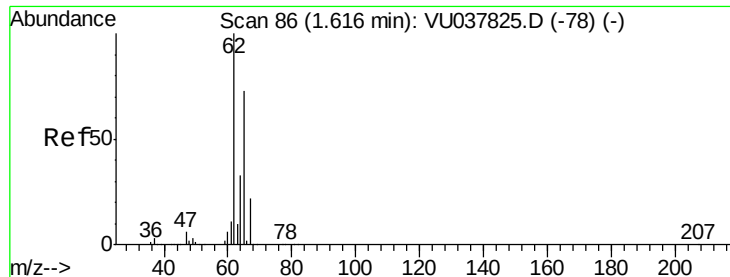
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 43.507 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

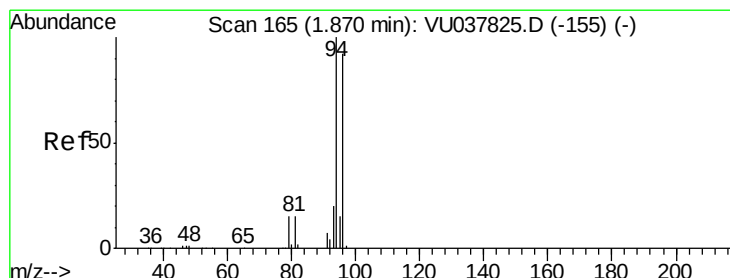
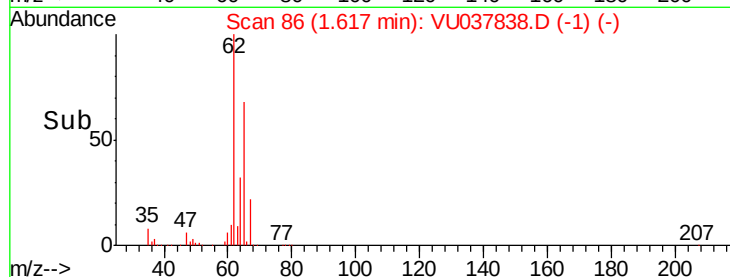
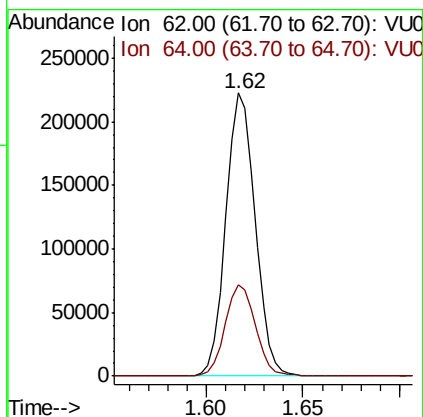
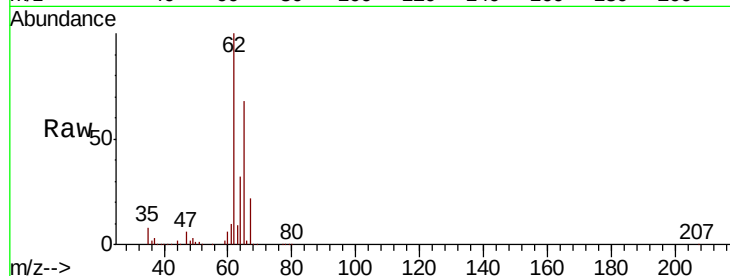
ClientSampleId :

Tot Ion: 62 Resp: 233593

Ion Ratio Lower Upper

62 100

64 32.4 23.6 43.8



#6

Bromomethane

Concen: 41.011 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037838.D

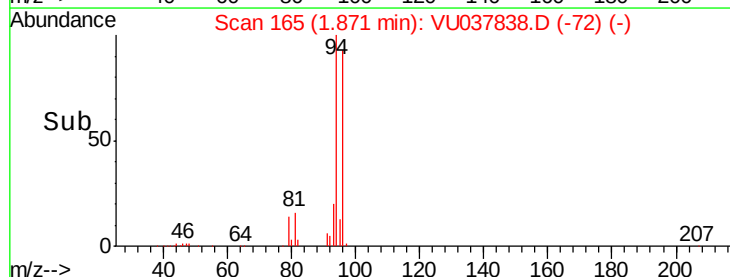
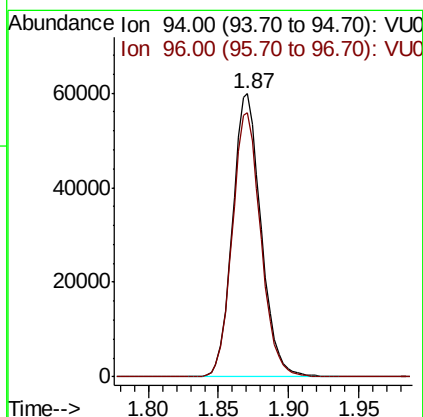
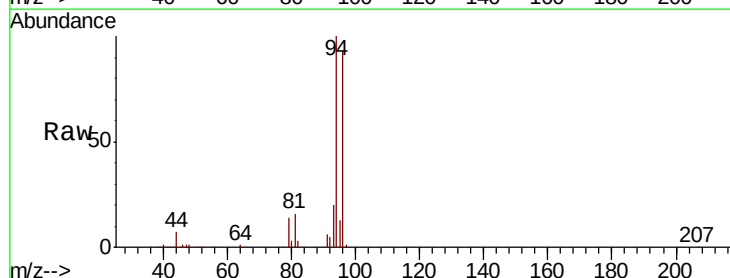
Acq: 21 Apr 2020 20:24

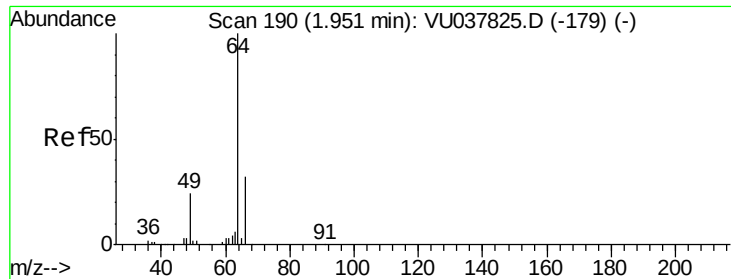
Tgt Ion: 94 Resp: 85078

Ion Ratio Lower Upper

94 100

96 93.3 66.0 122.6





#8

Chloroethane

Concen: 44.155 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

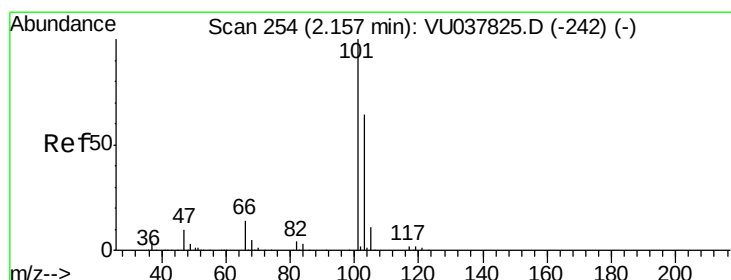
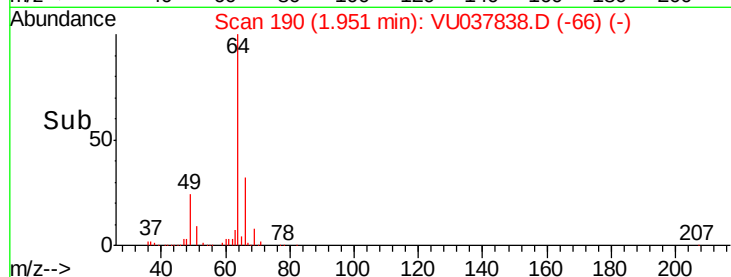
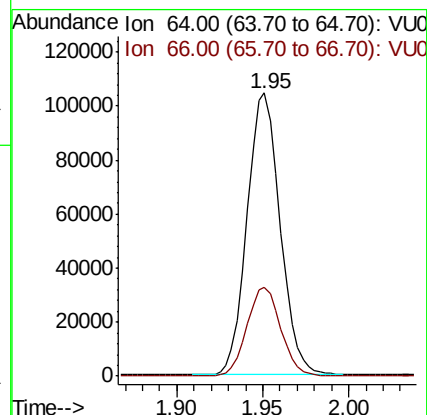
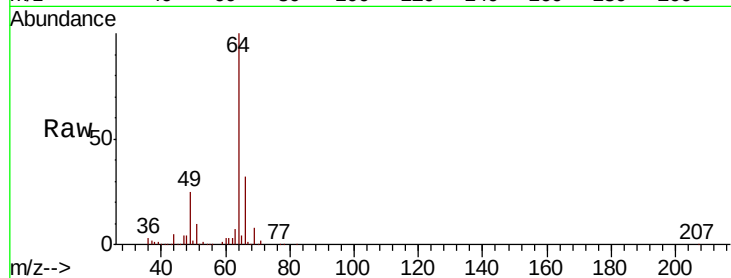
ClientSampleId :

Tot Ion: 64 Resp: 139217

Ion Ratio Lower Upper

64 100

66 31.6 22.6 42.0



#9

Trichlorofluoromethane

Concen: 42.533 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037838.D

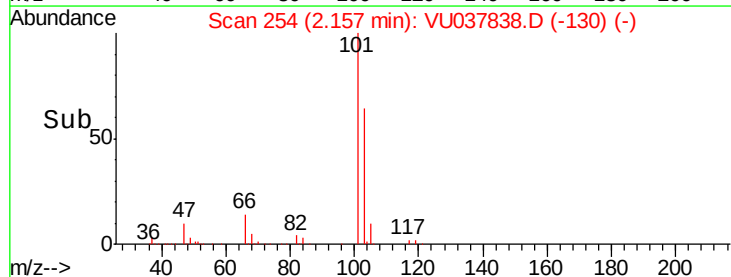
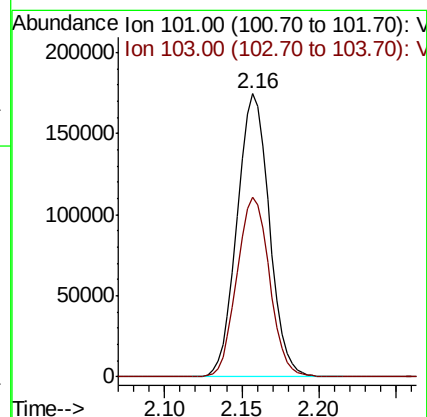
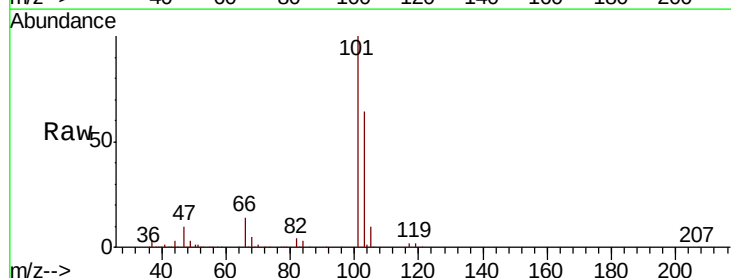
Acq: 21 Apr 2020 20:24

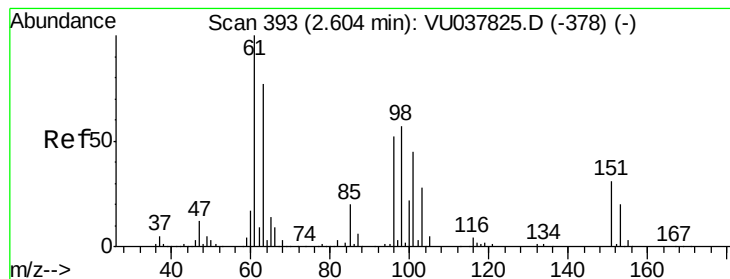
Tgt Ion: 101 Resp: 252553

Ion Ratio Lower Upper

101 100

103 64.4 51.7 77.5





#10

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

Concen: 42.399 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

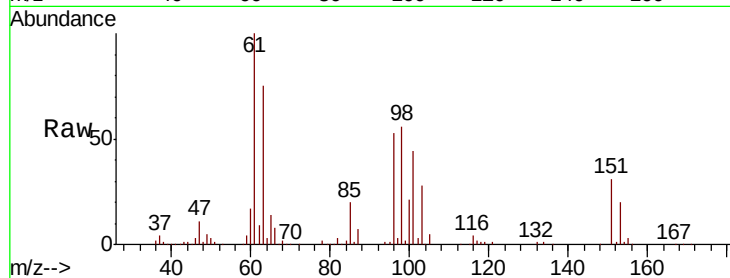
Tot Ion:101 Resp: 146588

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

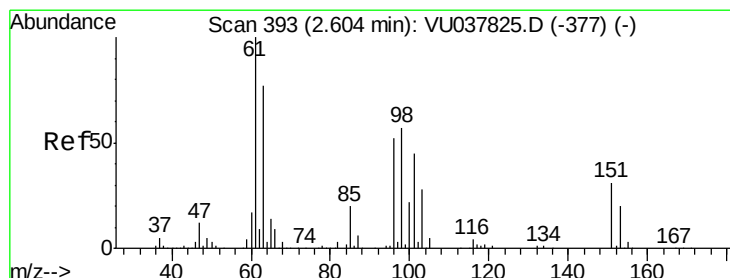
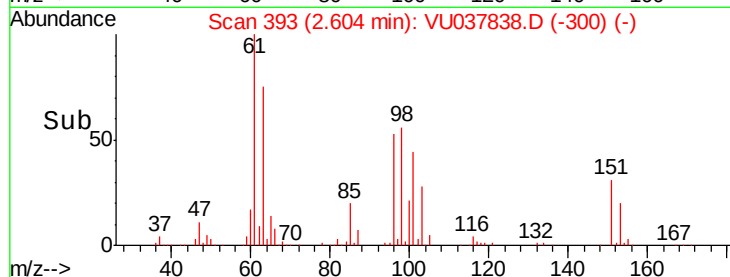
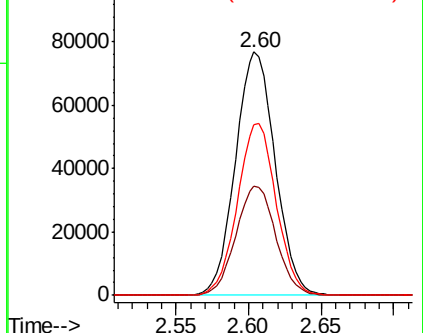
151 68.9 55.2 82.8



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: 43.882 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

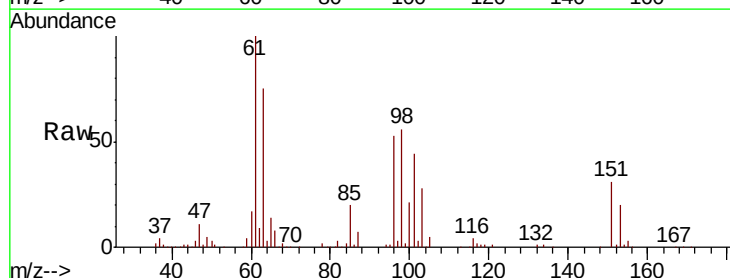
Tgt Ion: 96 Resp: 149584

Ion Ratio Lower Upper

96 100

61 188.0 134.5 249.7

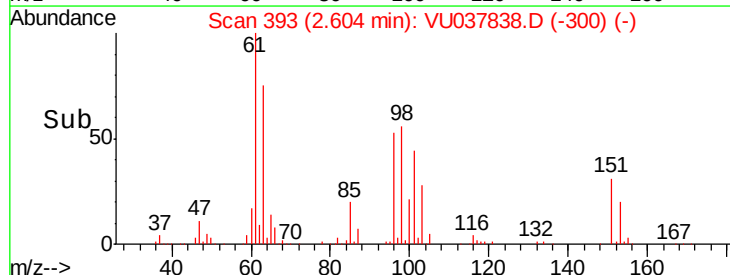
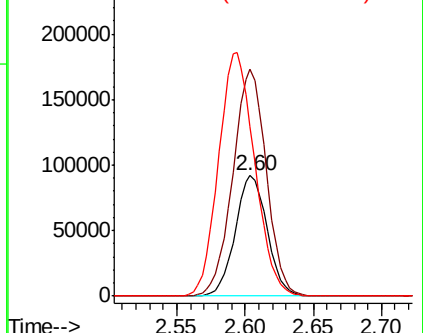
63 140.4 106.6 198.0

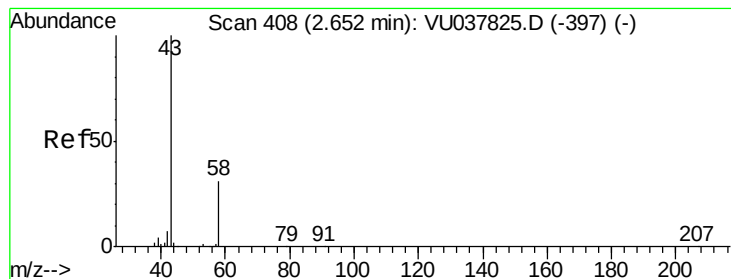


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.306 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

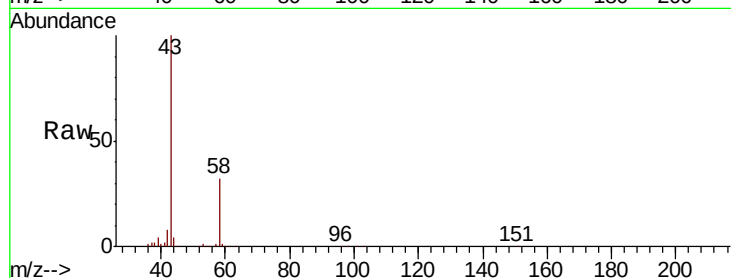
ClientSampled :

Tot Ion: 43 Resp: 203183

Ion Ratio Lower Upper

43 100

58 31.6 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037825.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037825.D (-397) (-)

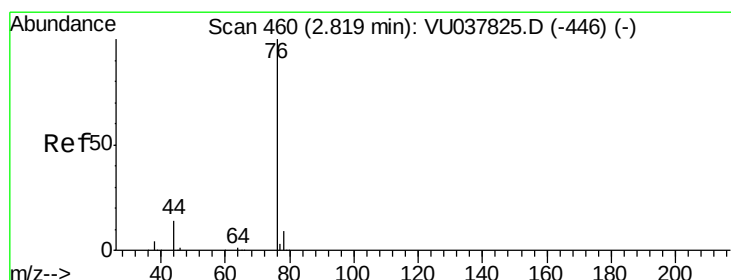
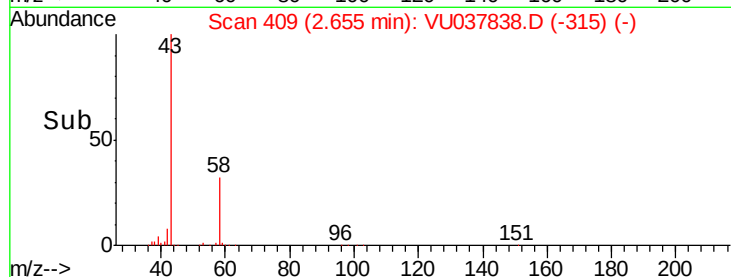
2.66

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 41.950 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037838.D

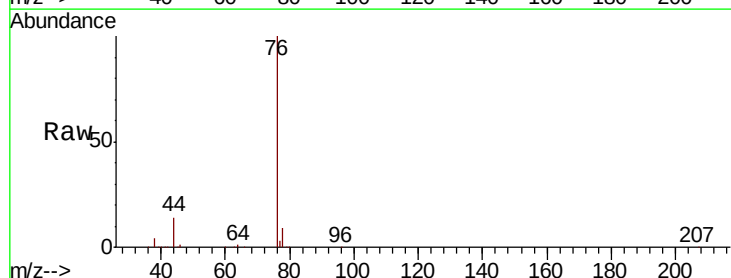
Acq: 21 Apr 2020 20:24

Tgt Ion: 76 Resp: 476950

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037825.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037825.D (-446) (-)

2.82

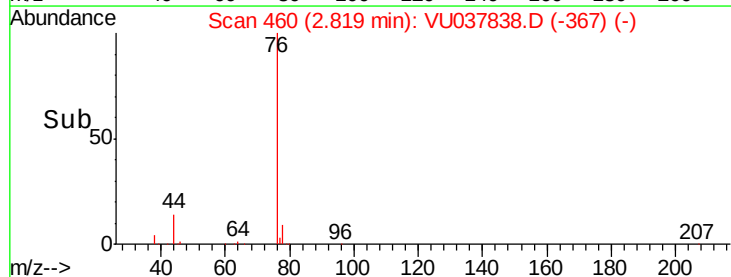
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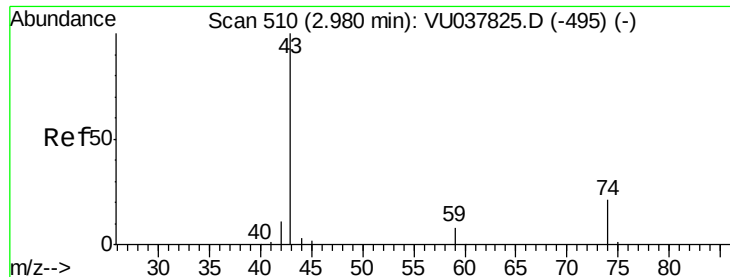
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0

Time-->

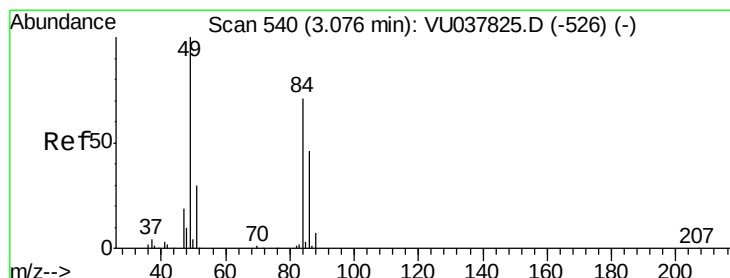
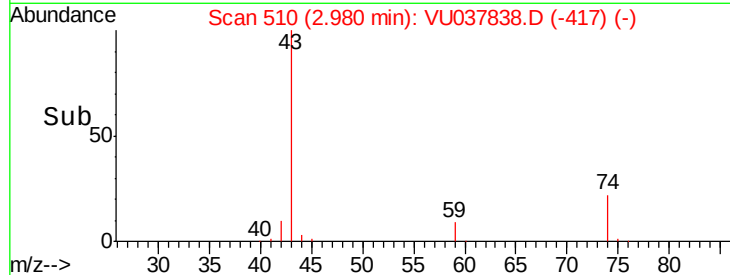
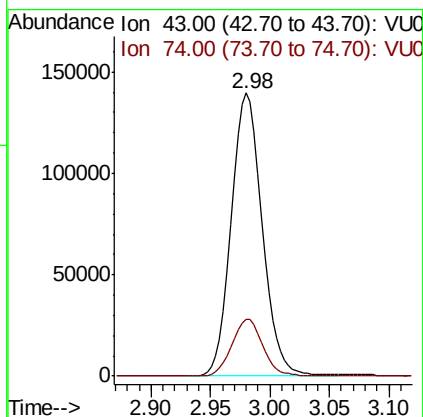
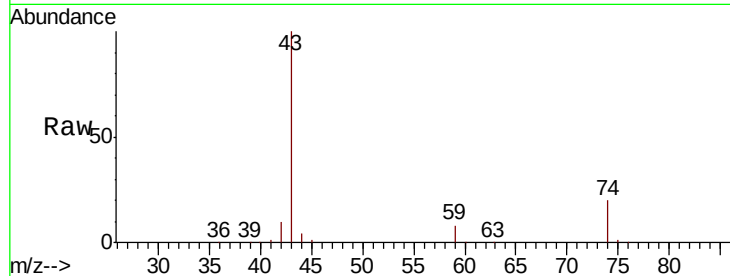




#15
Methvl Acetate
Concen: 44.840 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

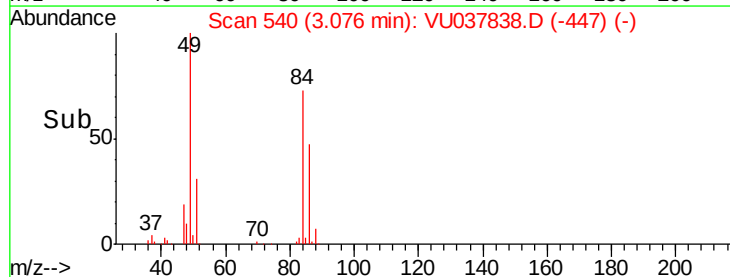
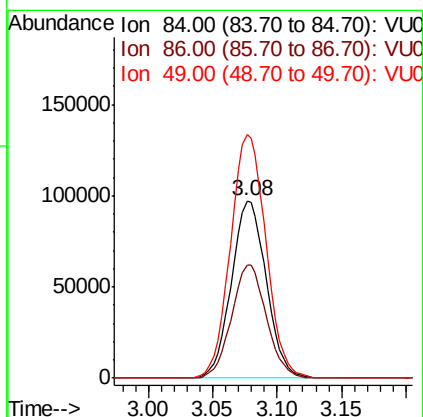
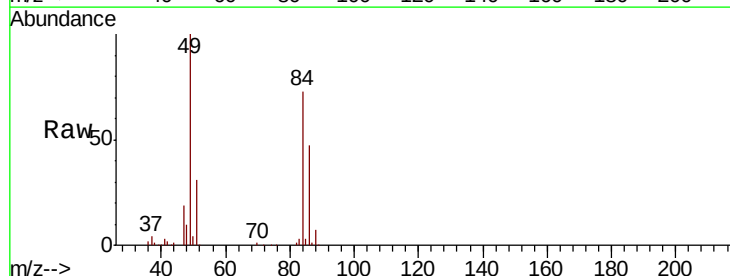
Instrument :
MSVOA_U
ClientSampleId :

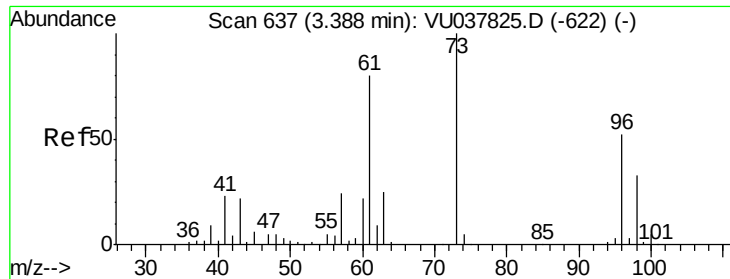
Tot Ion: 43 Resp: 252806
Ion Ratio Lower Upper
43 100
74 20.0 16.6 24.8



#16
Methylene chloride
Concen: 44.572 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion: 84 Resp: 182412
Ion Ratio Lower Upper
84 100
86 64.0 43.2 80.2
49 137.4 97.8 181.6

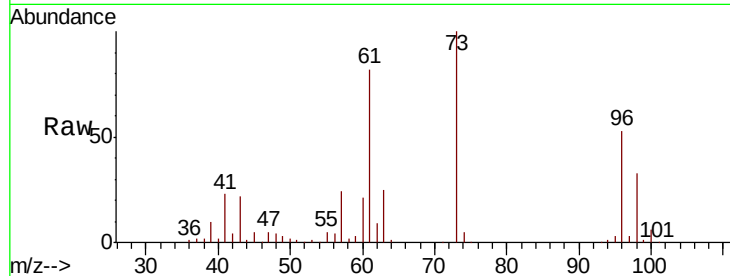




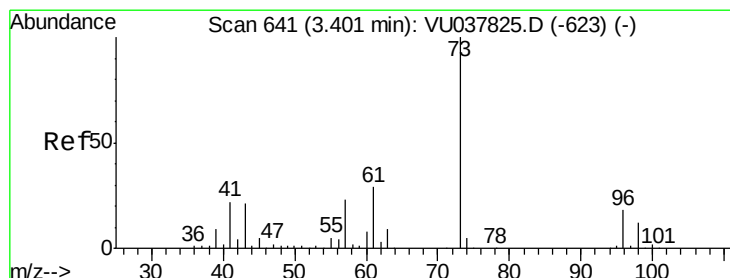
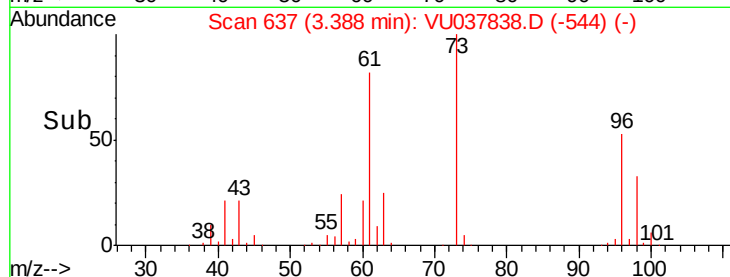
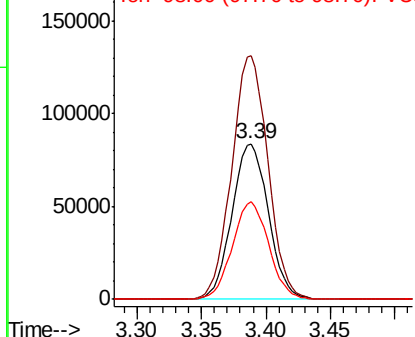
#17
trans-1,2-Dichloroethene
Concen: 43.708 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 164424
Ion Ratio Lower Upper
96 100
61 156.7 113.1 210.1
98 62.6 43.5 80.7

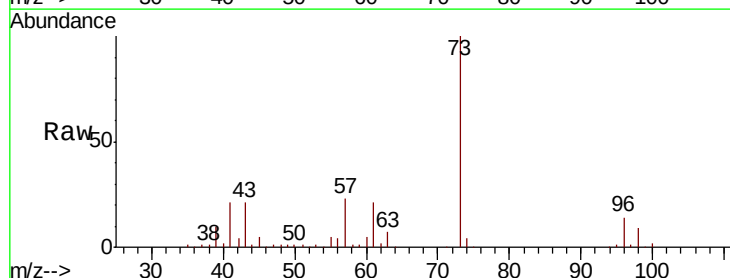


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

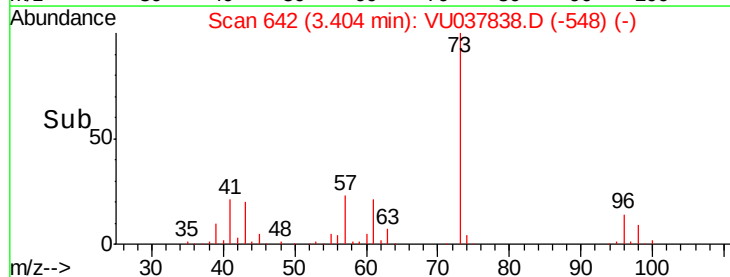
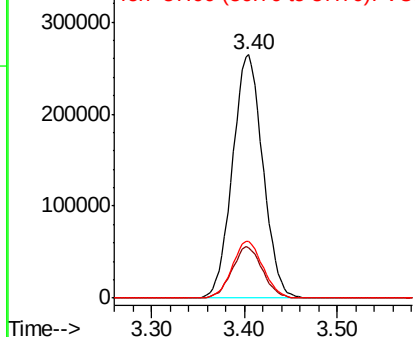


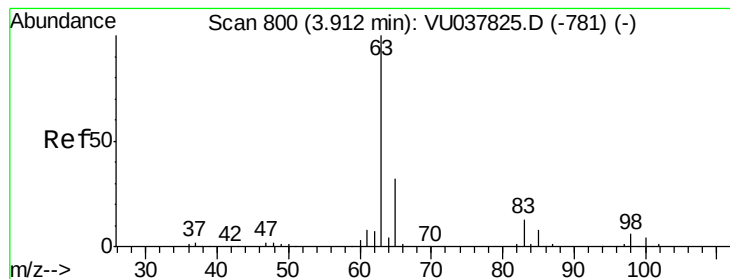
#18
Methyl tert-butyl Ether
Concen: 44.864 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion: 73 Resp: 600812
Ion Ratio Lower Upper
73 100
43 21.2 17.2 25.8
57 23.6 18.9 28.3



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: 44.648 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

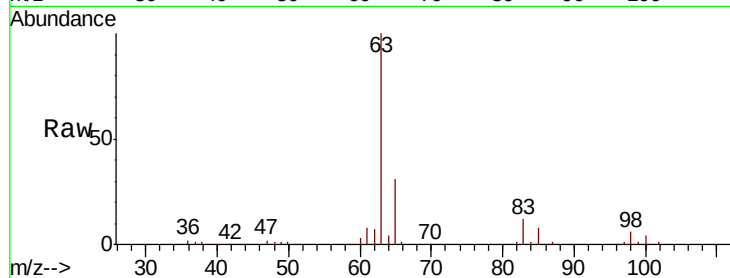
Tot Ion: 63 Resp: 348754

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.5

83 12.3 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU037825.D (-781) (-)

Ion 65.00 (64.70 to 65.70): VU037825.D (-781) (-)

Ion 83.00 (82.70 to 83.70): VU037825.D (-781) (-)

3.91

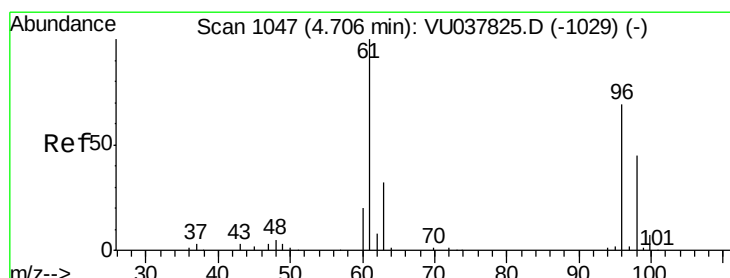
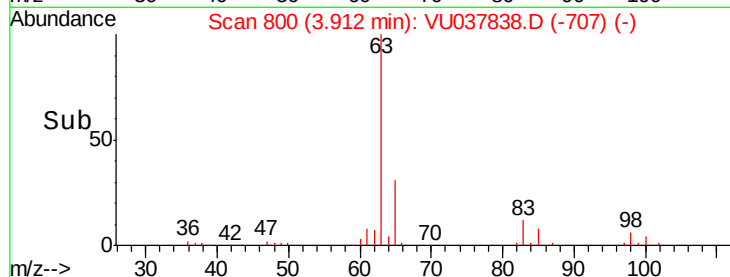
150000

100000

50000

0

Time-->



#20

cis-1,2-Dichloroethene

Concen: 44.421 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

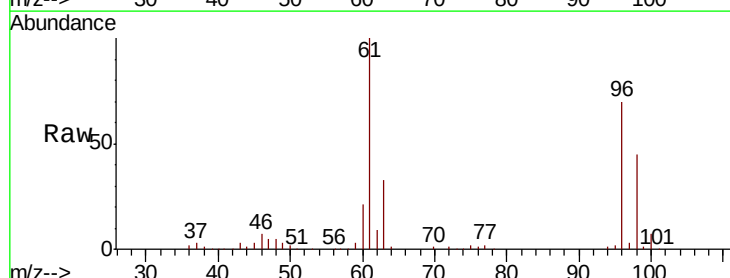
Tgt Ion: 96 Resp: 186768

Ion Ratio Lower Upper

96 100

61 142.2 102.6 190.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037825.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037825.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037825.D (-1029) (-)

4.71

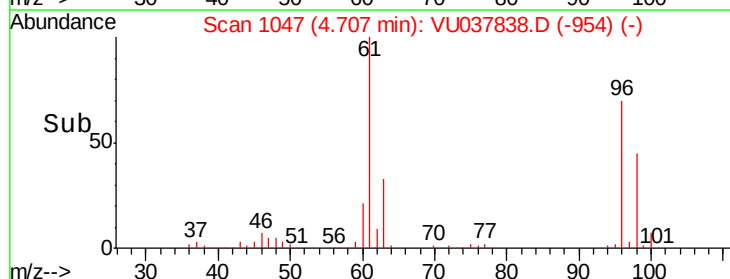
150000

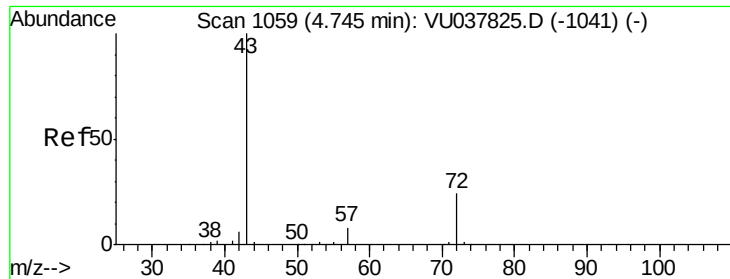
100000

50000

0

Time-->





#22

2-Butanone

Concen: 87.514 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

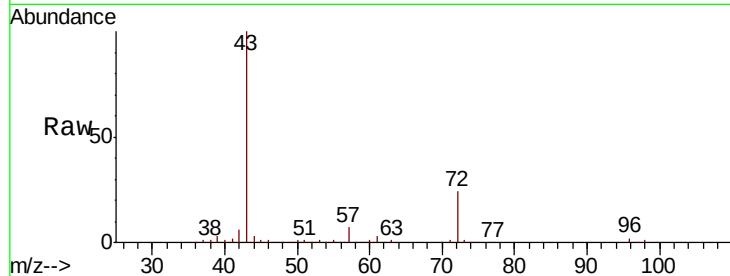
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 363856

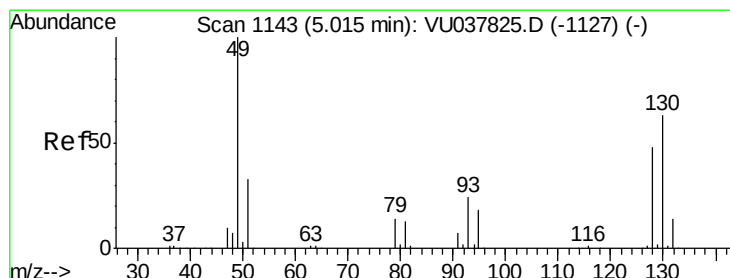
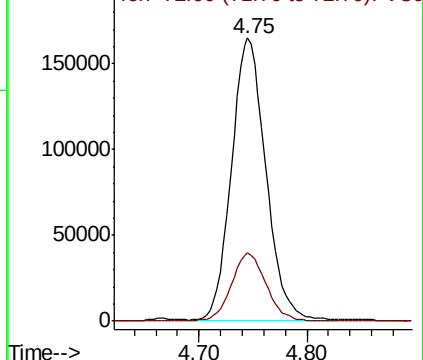
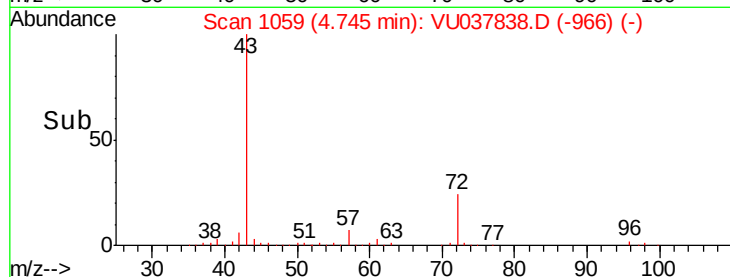
Ion Ratio Lower Upper

43 100

72 24.6 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037838.D (-966) (-)



#23

Bromochloromethane

Concen: 45.254 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Tgt Ion: 128 Resp: 91379

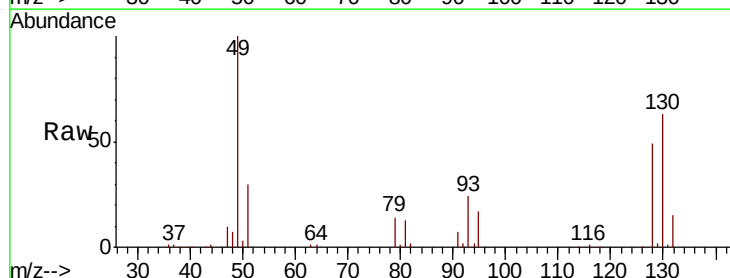
Ion Ratio Lower Upper

128 100

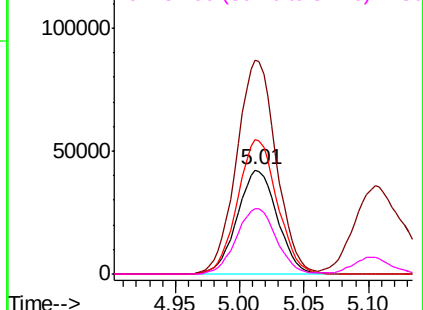
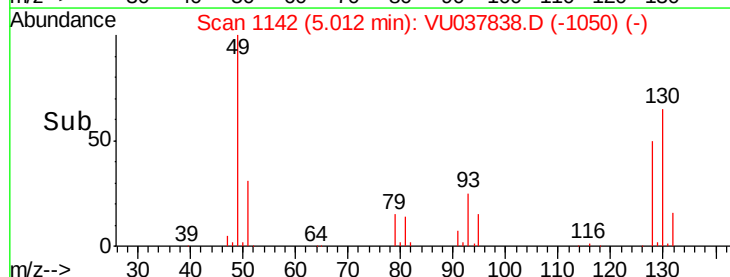
49 205.5 138.3 256.9

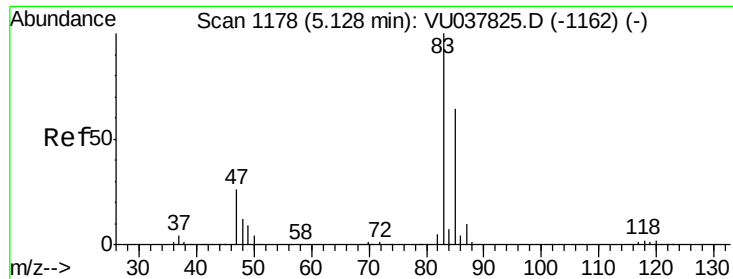
130 129.4 91.1 169.1

51 62.5 50.4 75.6



Abundance Ion 128.00 (127.70 to 128.70): VU037838.D (-1050) (-)

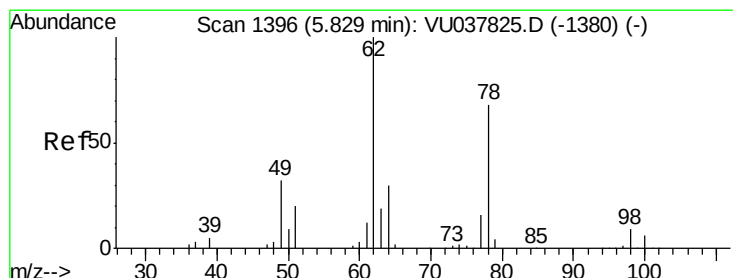
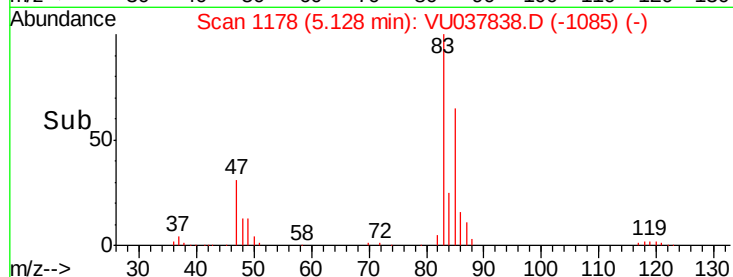
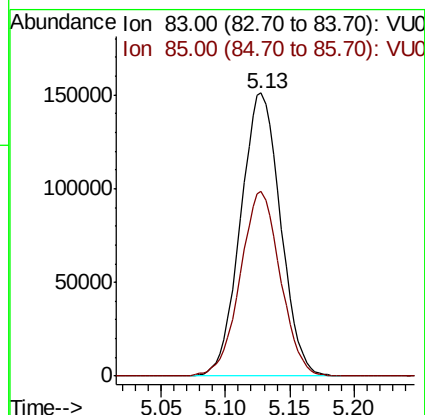
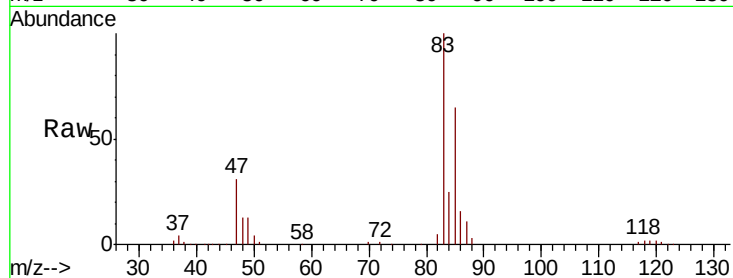




#25
Chloroform
Concen: 44.627 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

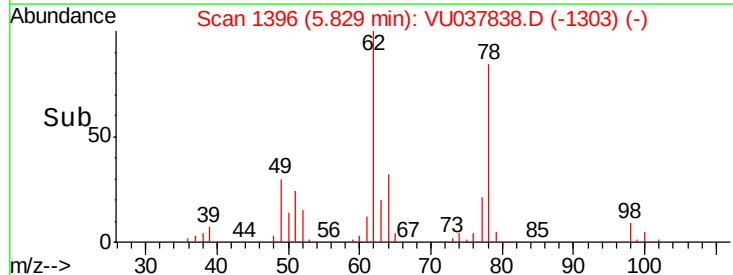
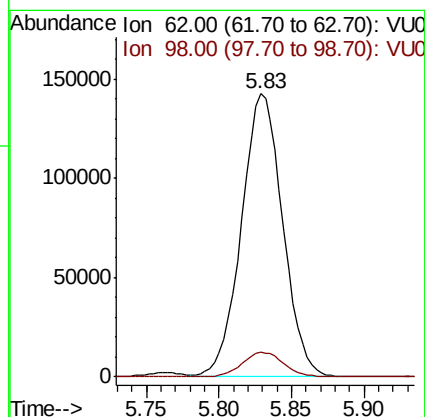
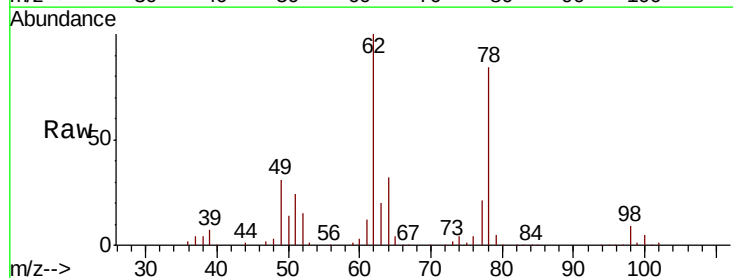
Instrument :
MSVOA_U
ClientSampleId :

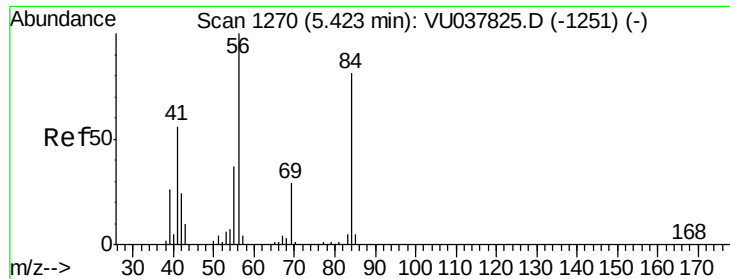
Tot Ion: 83 Resp: 326395
Ion Ratio Lower Upper
83 100
85 65.1 46.9 87.1



#27
1,2-Dichloroethane
Concen: 44.475 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion: 62 Resp: 280416
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

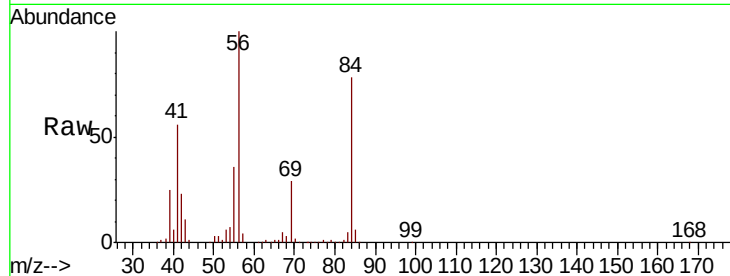




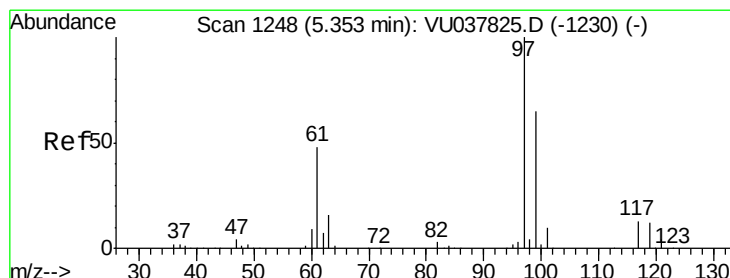
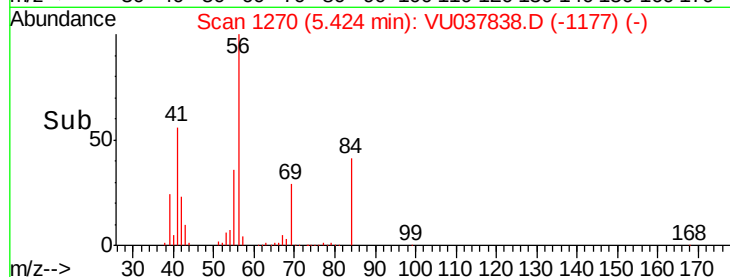
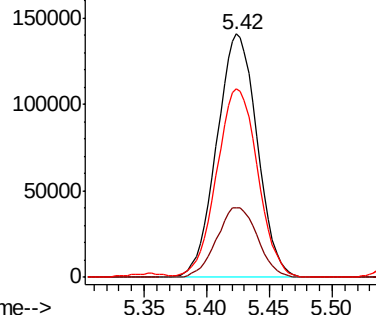
#29
Cyclohexane
Concen: 41.900 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	56	Resp	316177
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.3	34.9
84	78.8	63.8	95.8

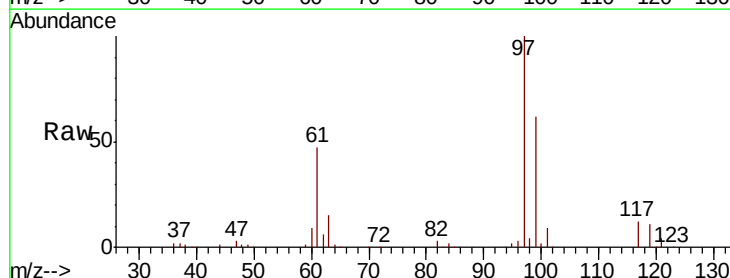


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

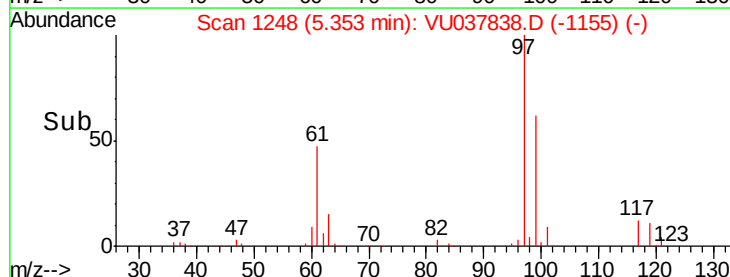
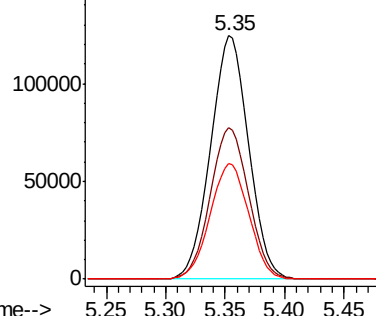


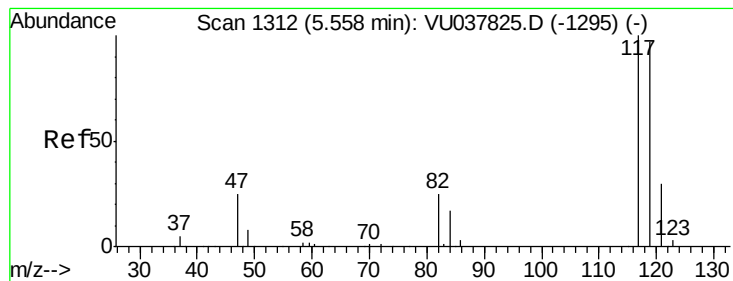
#30
1,1,1-Trichloroethane
Concen: 44.698 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion	97	Resp	275080
Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.7	76.1
61	48.4	38.3	57.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 43.623 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

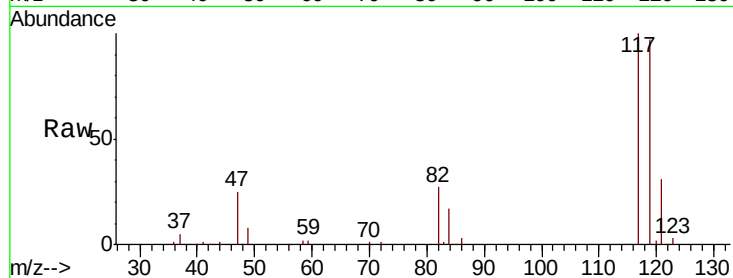
ClientSampled :

Tot Ion:117 Resp: 215977

Ion Ratio Lower Upper

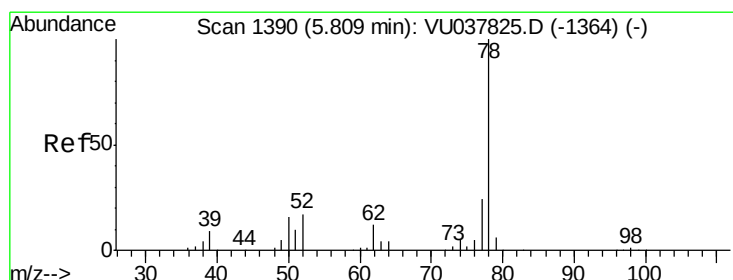
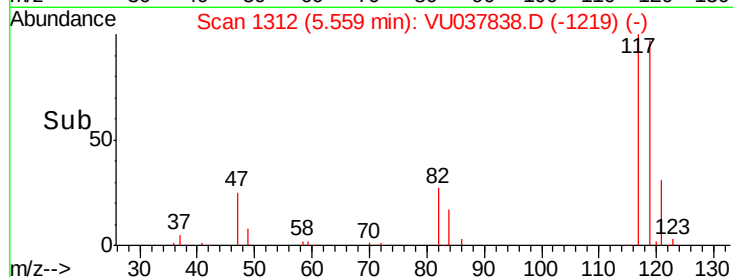
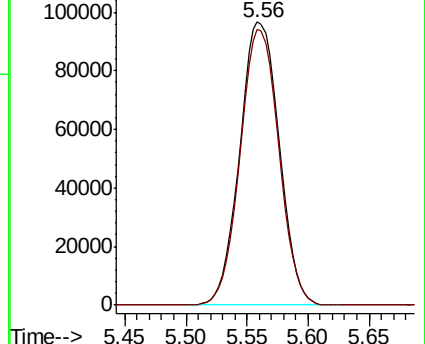
117 100

119 95.7 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.798 ug/L

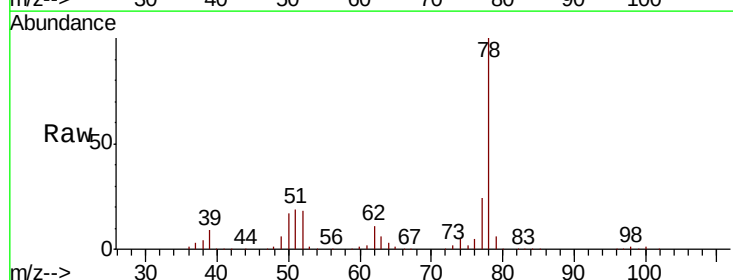
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037838.D

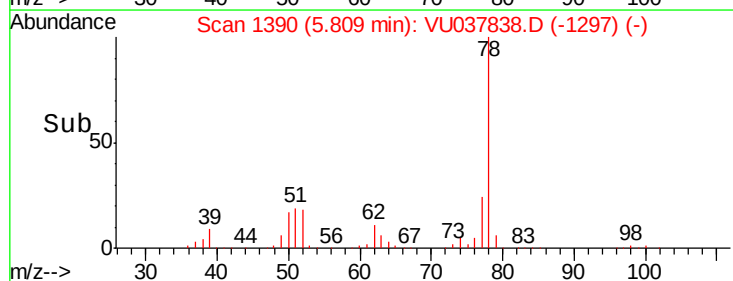
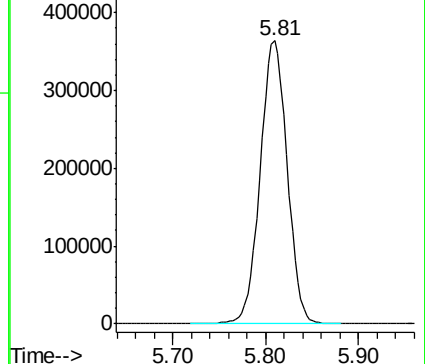
Acq: 21 Apr 2020 20:24

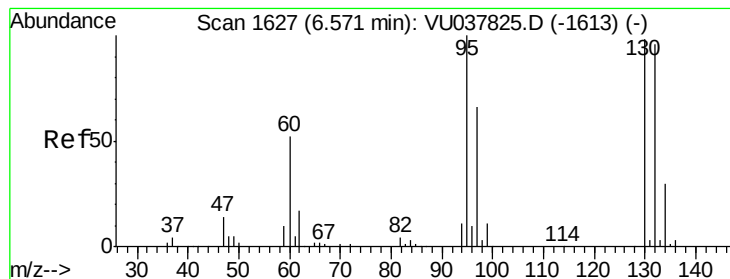
Tgt Ion: 78 Resp: 737385



Abundance Ion 78.00 (77.70 to 78.70): VU0

Time-->





#34

Trichloroethene

Concen: 43.381 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 176276

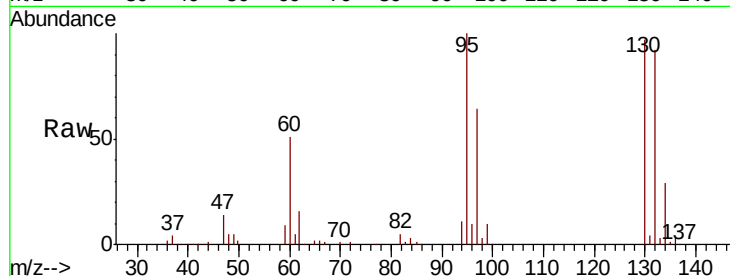
Ion Ratio Lower Upper

95 100

97 64.4 43.1 80.1

132 91.8 63.6 118.2

130 96.6 65.5 121.6



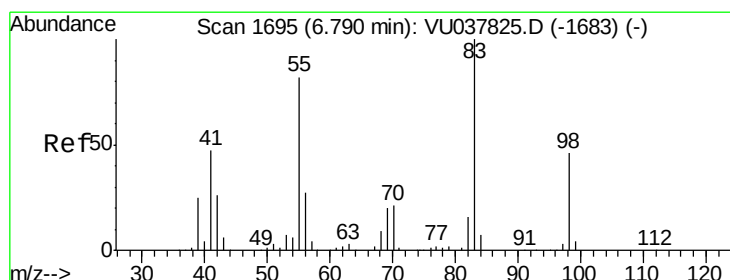
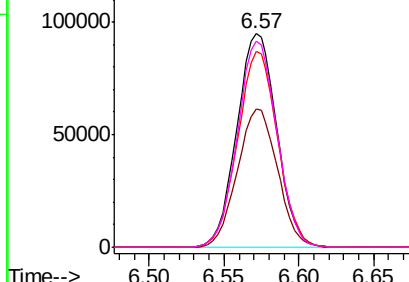
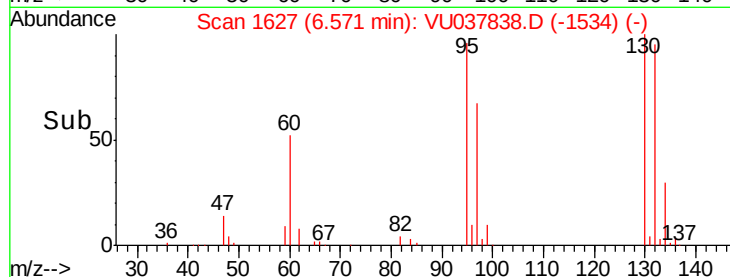
Abundance

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: 41.330 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

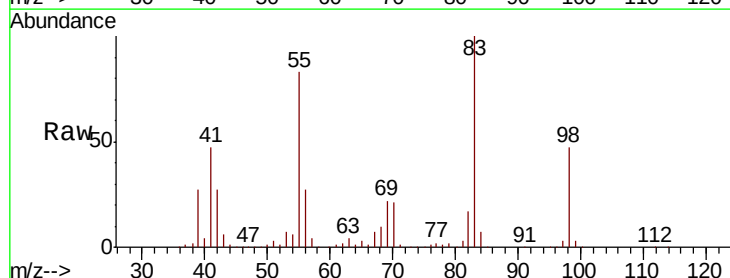
Tgt Ion: 83 Resp: 293210

Ion Ratio Lower Upper

83 100

55 83.4 67.3 100.9

98 46.5 36.9 55.3

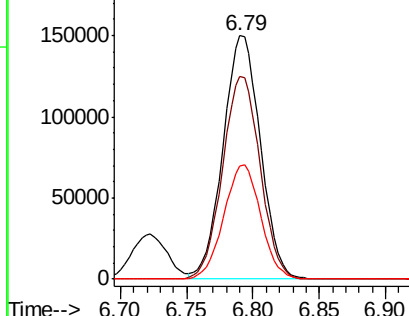
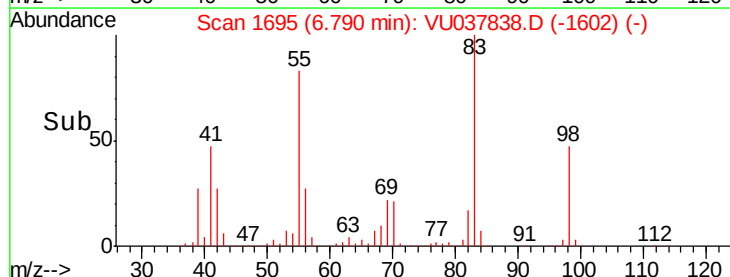


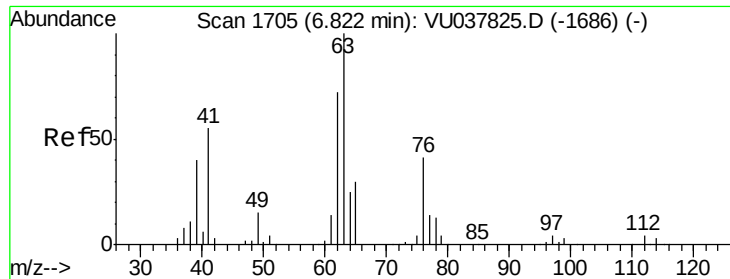
Abundance

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

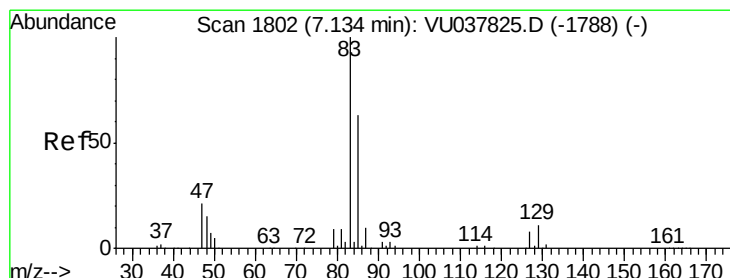
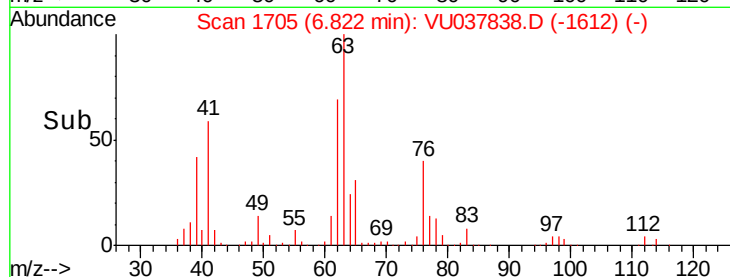
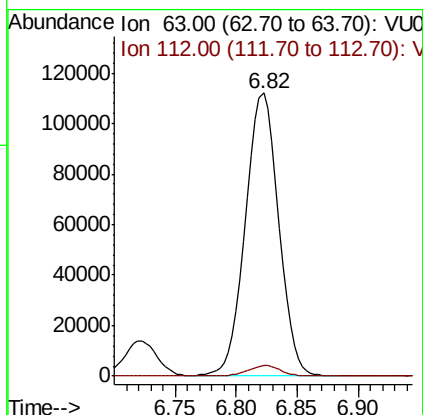
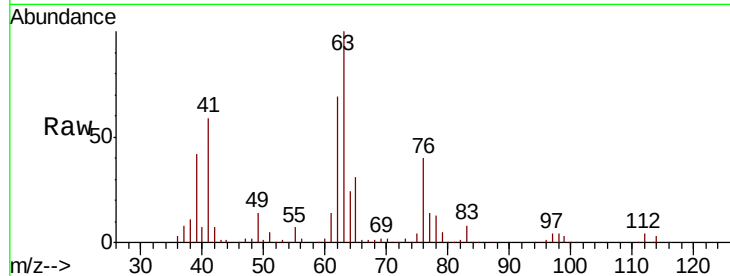




#37
 1,2-Dichloropropane
 Concen: 45.428 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

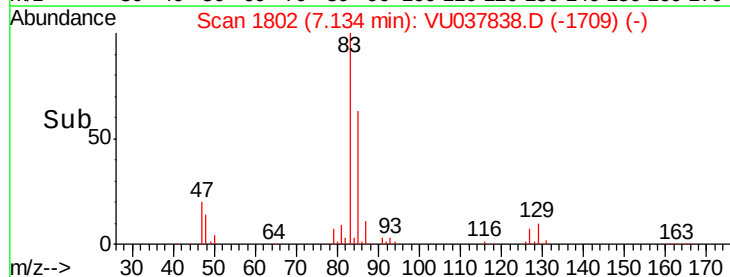
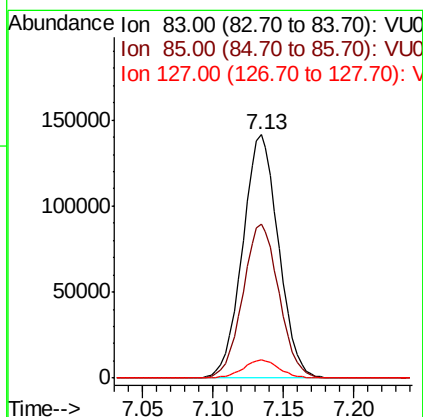
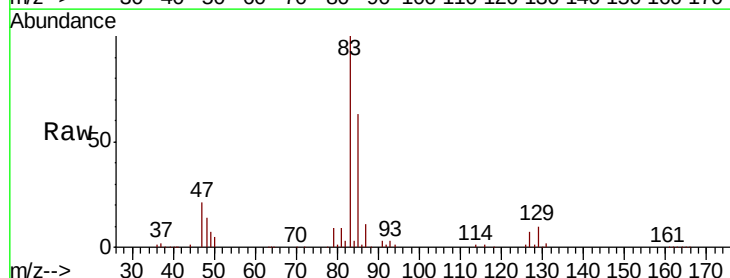
Instrument :
 MSVOA_U
 ClientSampled :

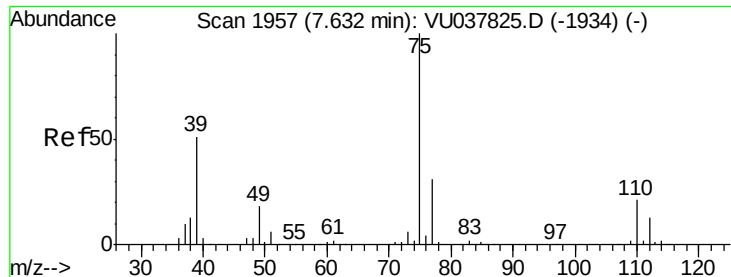
Tot Ion: 63 Resp: 211211
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 45.072 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

Tgt Ion: 83 Resp: 252188
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 83.1
 127 7.4 6.3 9.5

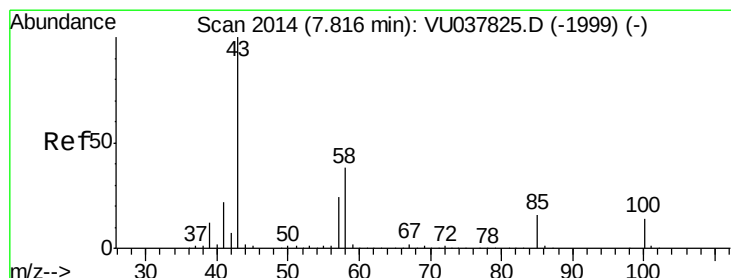
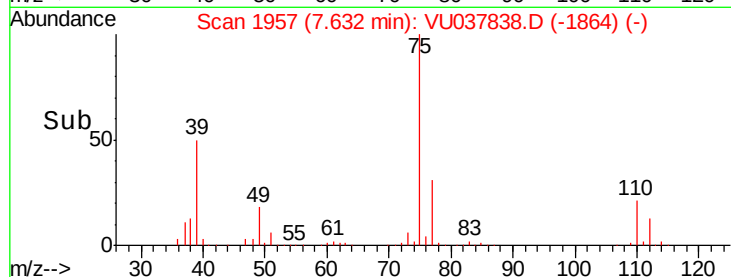
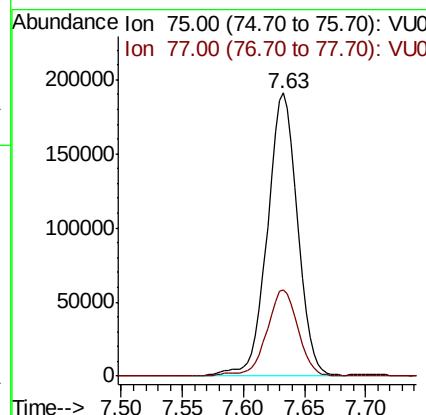
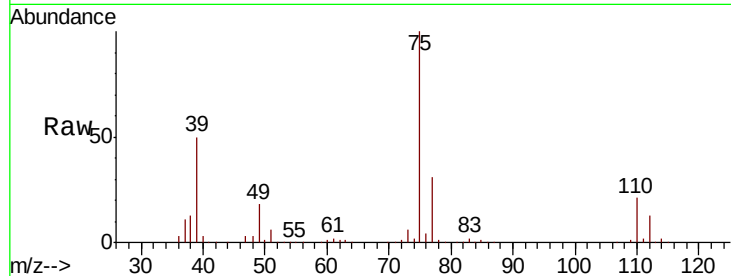




#39
 cis-1,3-Dichloropropene
 Concen: 45.057 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

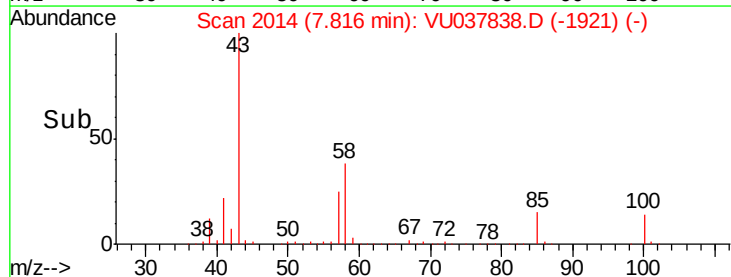
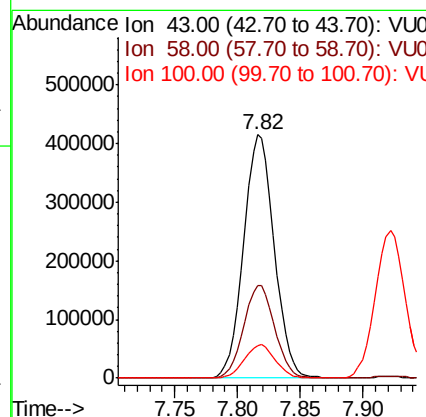
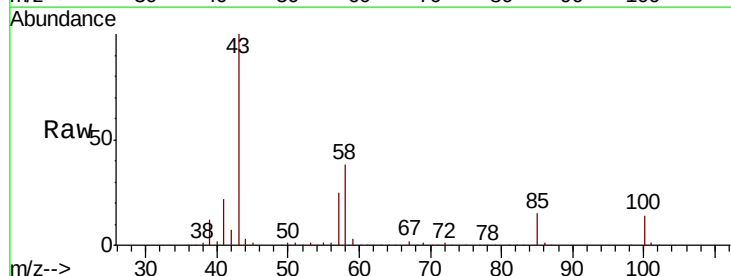
Instrument :
 MSVOA_U
 ClientSampleId :

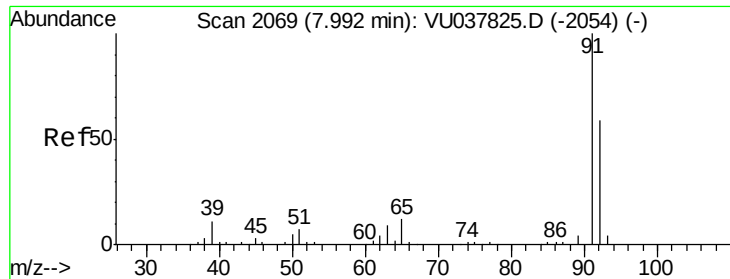
Tot Ion: 75 Resp: 329967
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 89.015 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

Tgt Ion: 43 Resp: 706010
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7
 100 13.8 11.0 16.4





#42

Toluene

Concen: 44.022 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

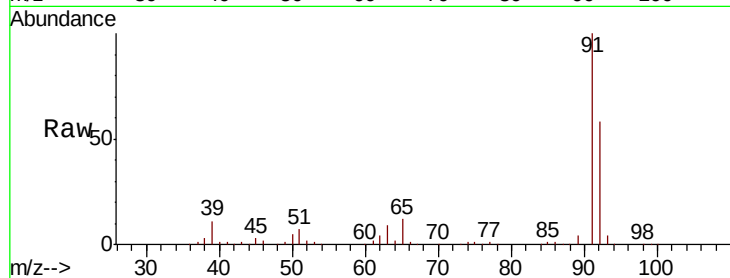
ClientSampled :

Tot Ion: 91 Resp: 767355

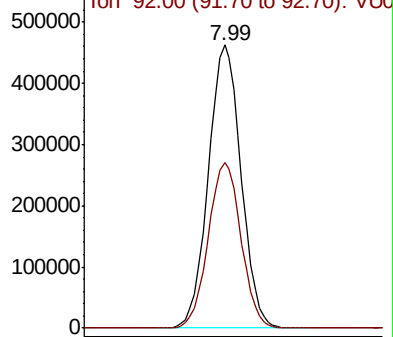
Ion Ratio Lower Upper

91 100

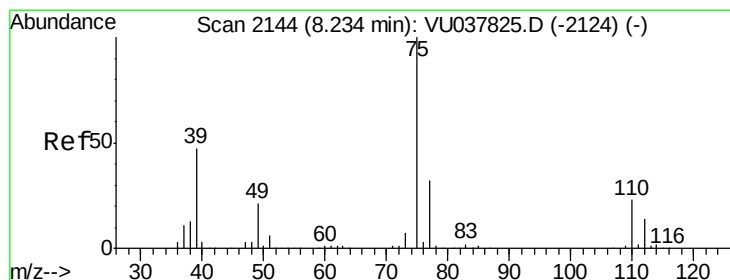
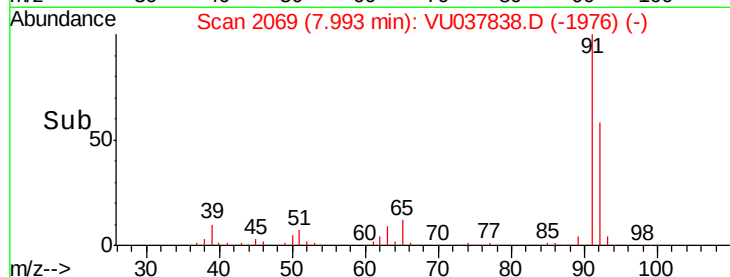
92 58.4 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU037825.D (-2054) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.094 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037838.D

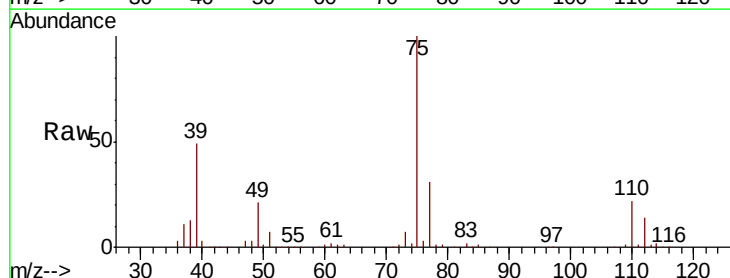
Acq: 21 Apr 2020 20:24

Tgt Ion: 75 Resp: 317410

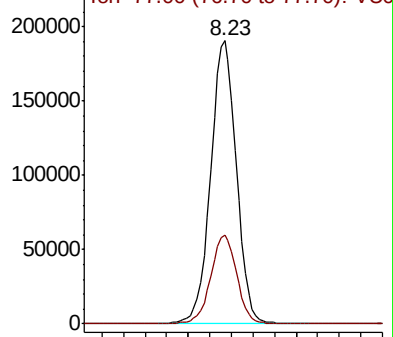
Ion Ratio Lower Upper

75 100

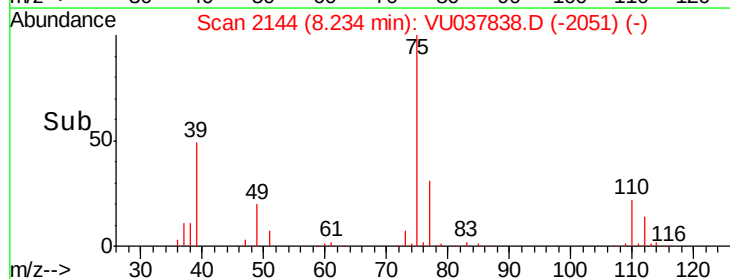
77 31.2 21.8 40.6

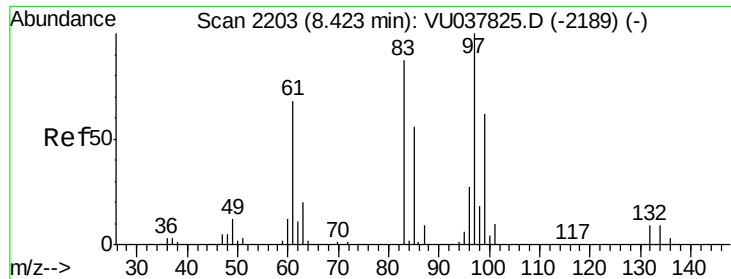


Abundance Ion 75.00 (74.70 to 75.70): VU037825.D (-2124) (-)



Time-->

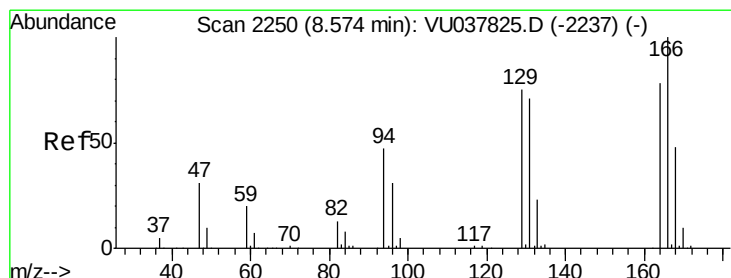
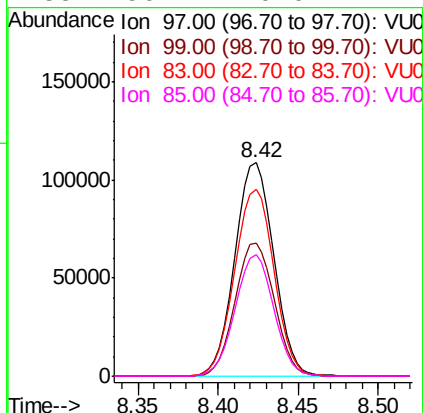
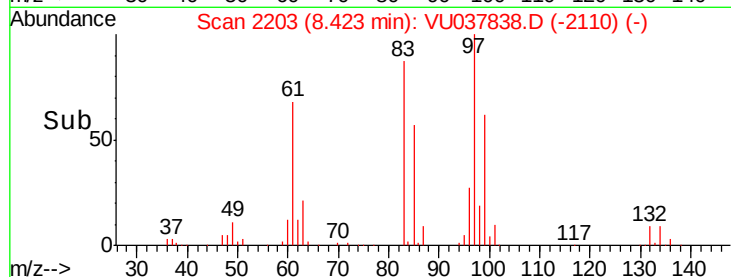
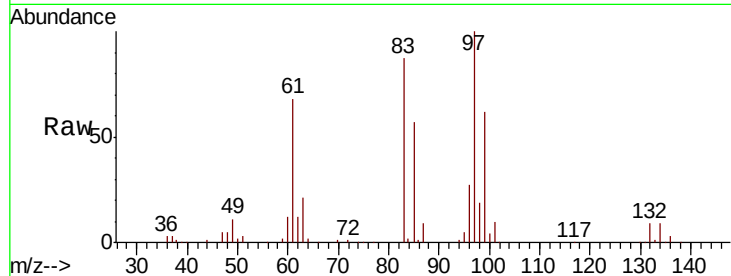




#45
 1,1,2-Trichloroethane
 Concen: 45.084 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

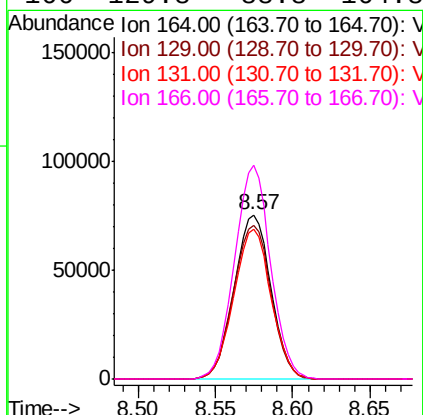
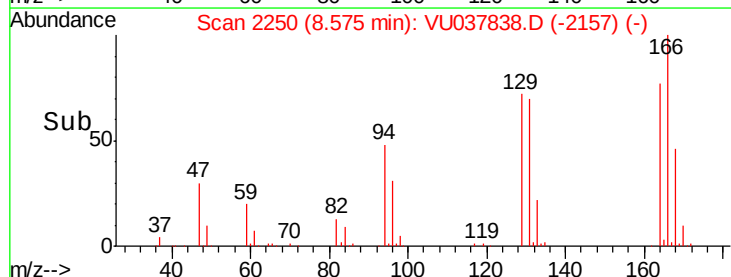
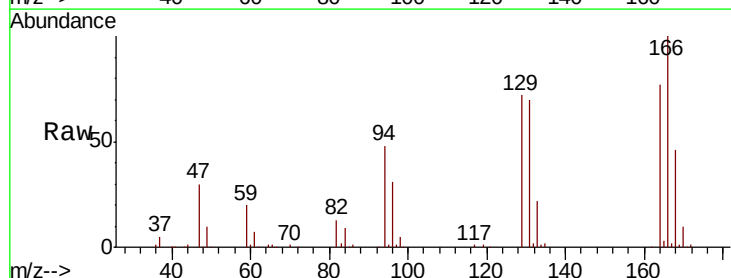
Instrument :
 MSVOA_U
 ClientSampleId :

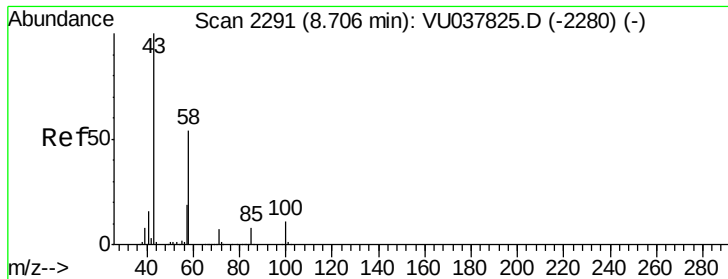
Tot Ion:	97	Resp:	181123
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.1	81.9
83	87.5	61.6	114.4
85	56.7	40.0	74.2



#46
 Tetrachloroethene
 Concen: 42.670 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

Tgt Ion:	164	Resp:	124552
Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.9	122.5
131	91.4	62.9	116.9
166	129.8	88.8	164.8

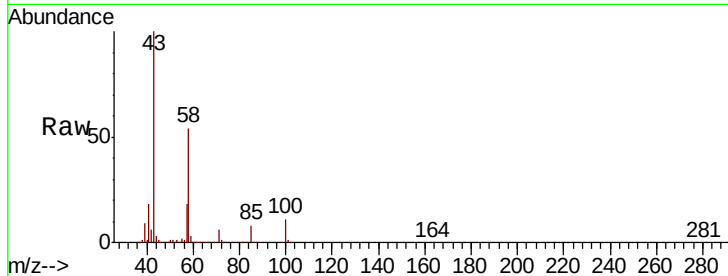




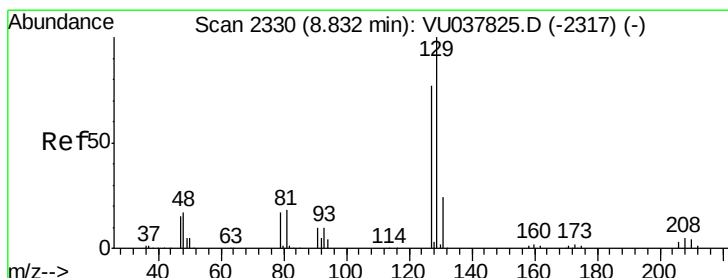
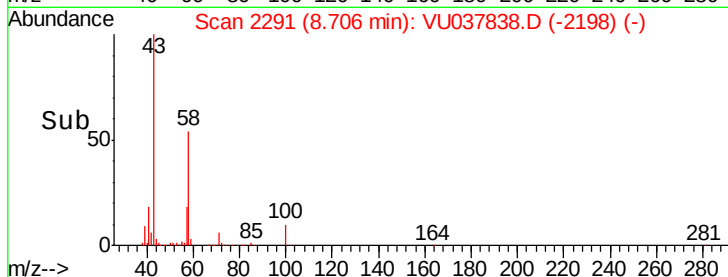
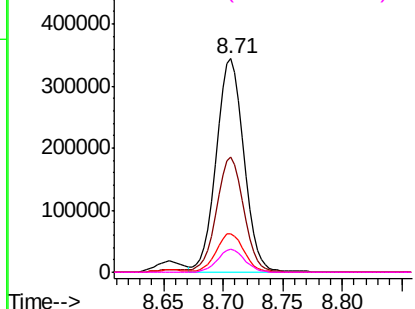
#48
2-Hexanone
Concen: 88.002 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 553705
Ion Ratio Lower Upper
43 100
58 53.0 43.0 64.4
57 18.2 15.1 22.7
100 10.6 8.6 13.0

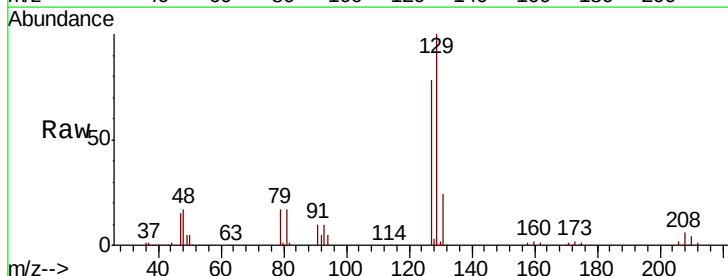


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

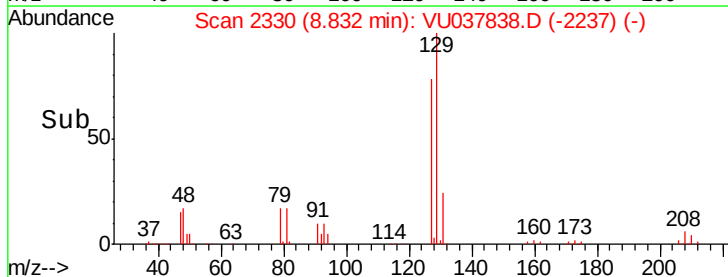
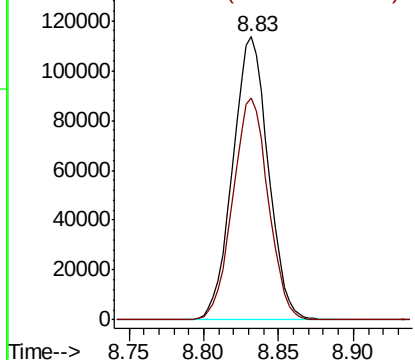


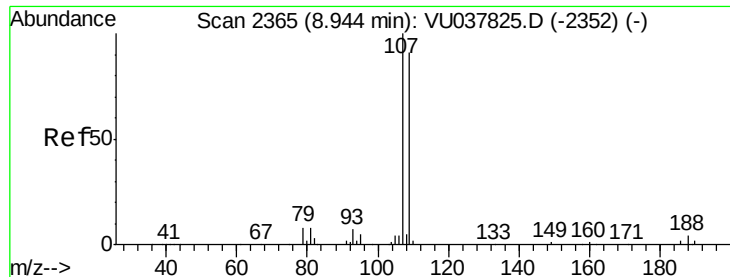
#49
Dibromochloromethane
Concen: 45.001 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion: 129 Resp: 188215
Ion Ratio Lower Upper
129 100
127 78.3 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 45.086 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

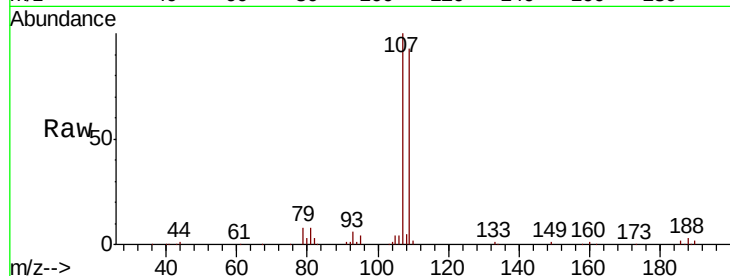
Tot Ion:107 Resp: 194425

Ion Ratio Lower Upper

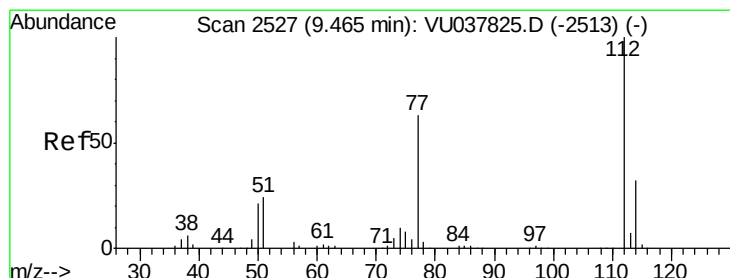
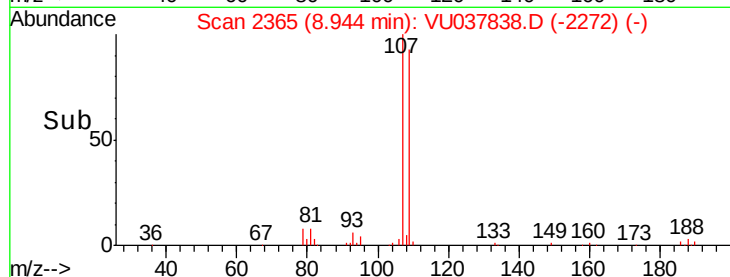
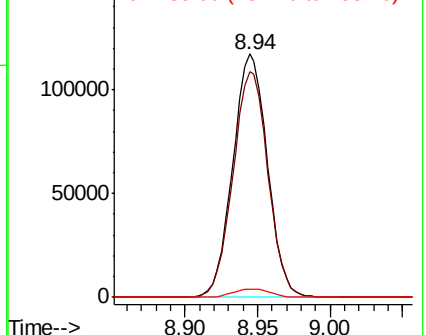
107 100

109 92.8 65.6 121.8

188 3.3 2.9 4.3



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



#51

Chlorobenzene

Concen: 43.285 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

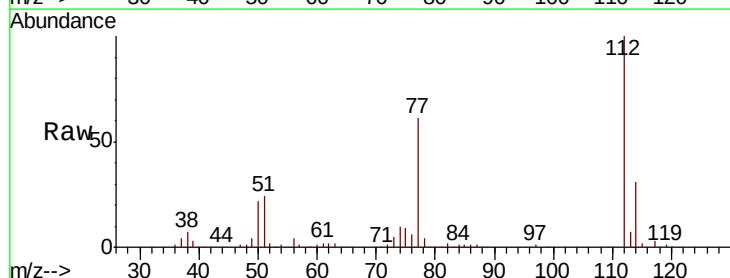
Tgt Ion:112 Resp: 471173

Ion Ratio Lower Upper

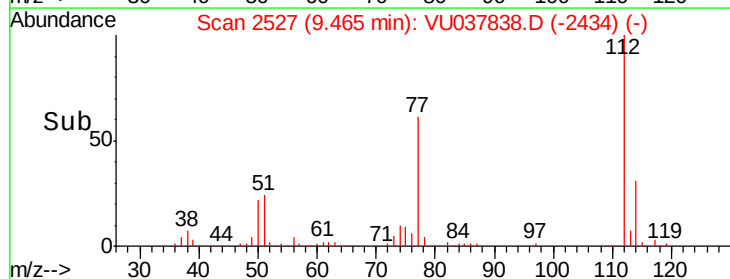
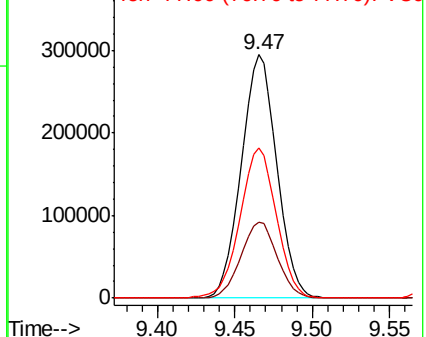
112 100

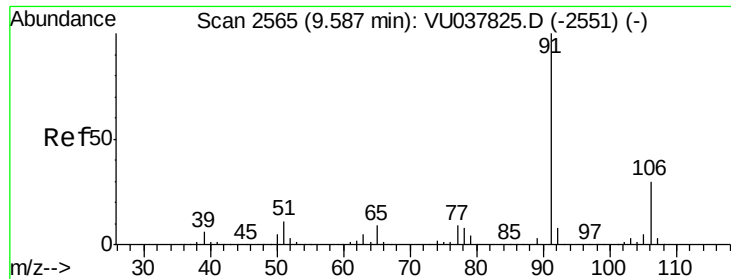
114 31.4 22.4 41.6

77 61.4 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0

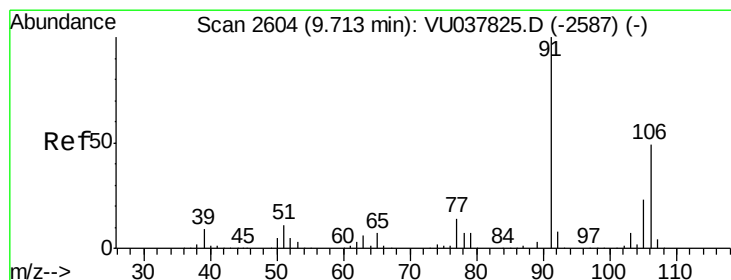
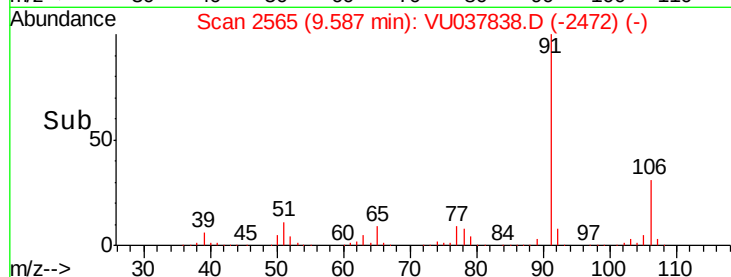
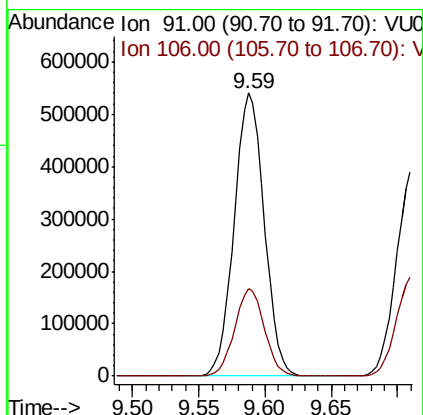
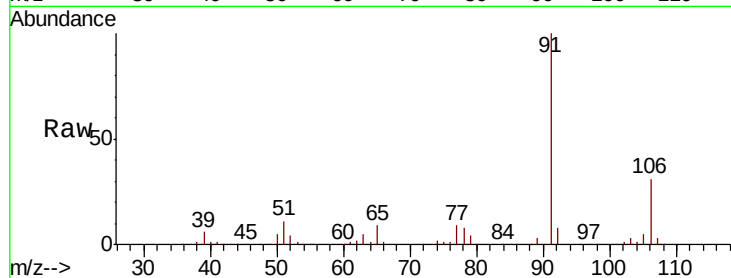




#52
Ethylbenzene
Concen: 43.540 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

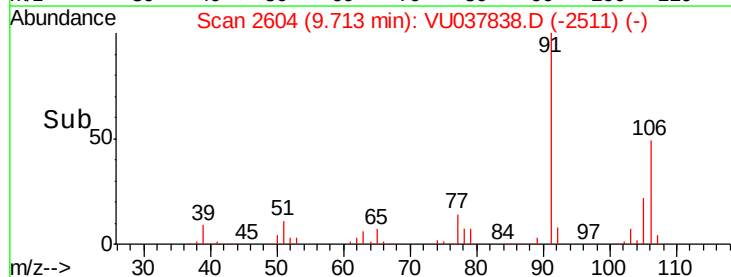
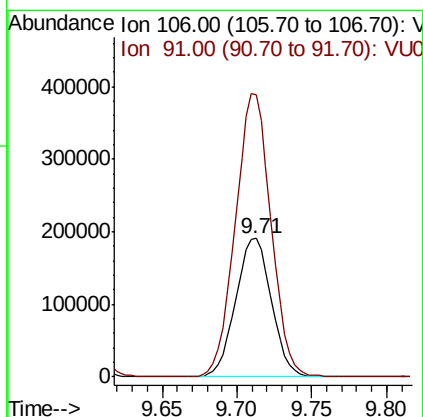
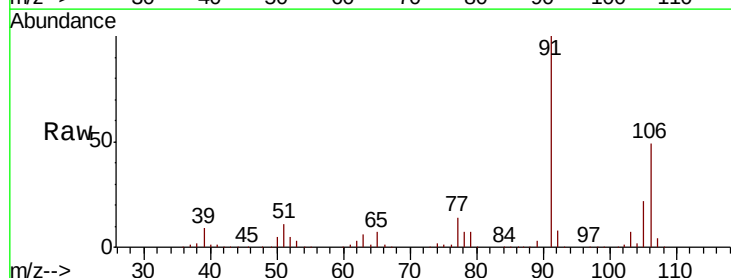
Instrument :
MSVOA_U
ClientSampleId :

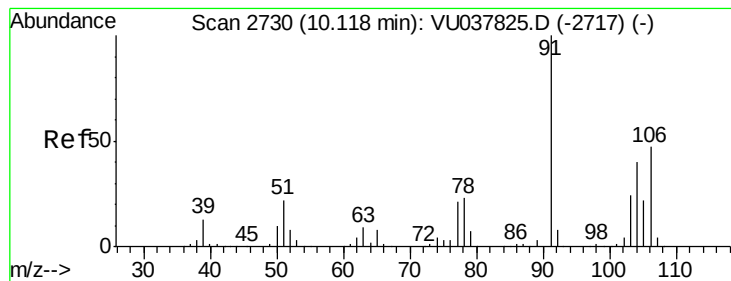
Tot Ion: 91 Resp: 851166
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 42.740 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037838.D
Acq: 21 Apr 2020 20:24

Tgt Ion:106 Resp: 316848
Ion Ratio Lower Upper
106 100
91 204.2 145.5 270.3





#54

o-xylene

Concen: 43.349 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

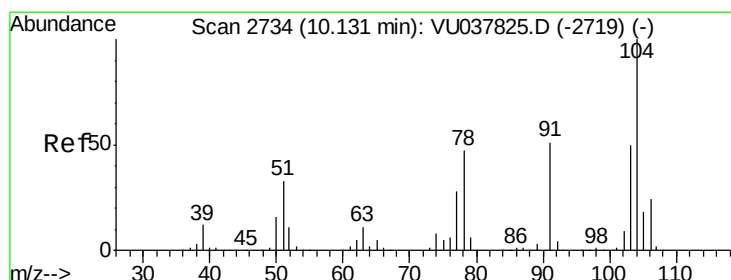
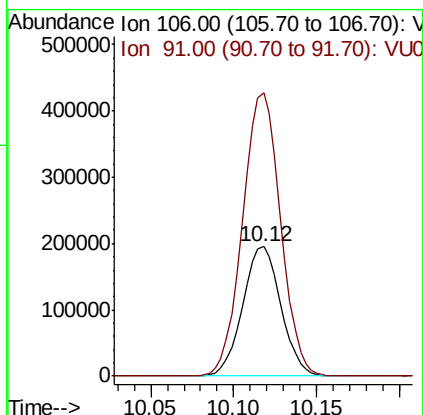
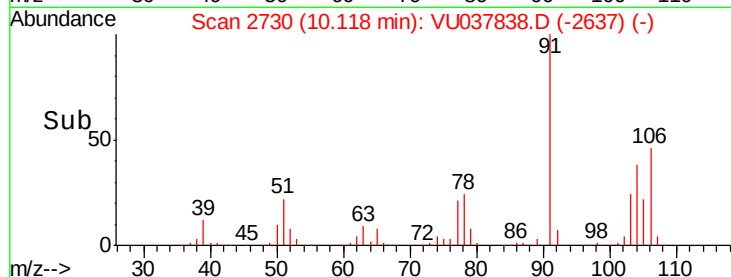
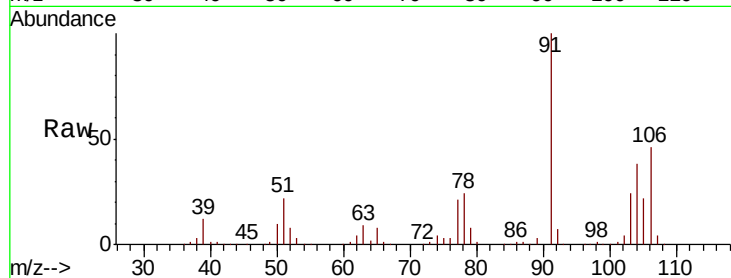
ClientSampled :

Tot Ion:106 Resp: 312276

Ion Ratio Lower Upper

106 100

91 219.0 153.0 284.2



#55

Styrene

Concen: 43.371 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037838.D

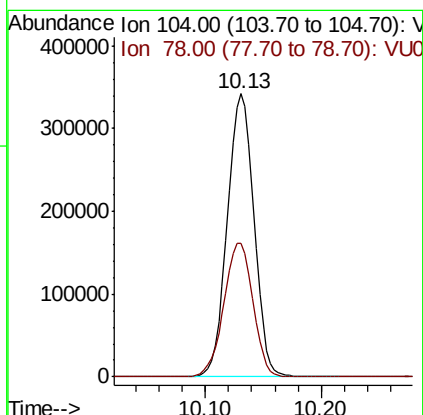
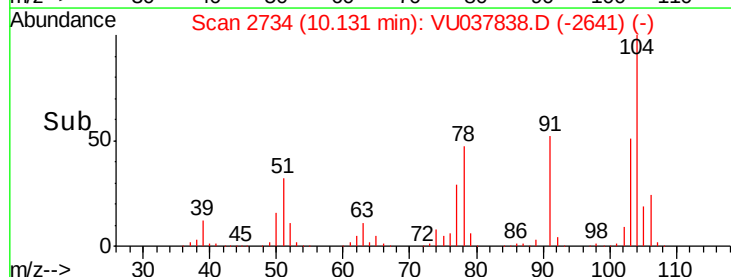
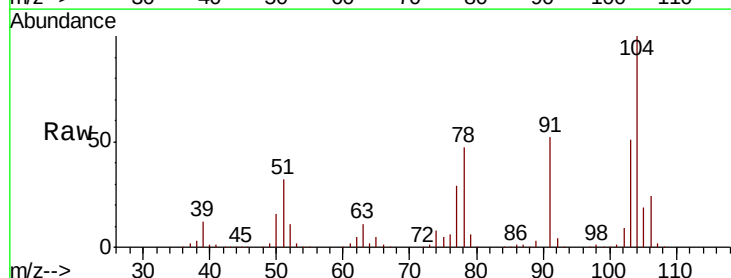
Acq: 21 Apr 2020 20:24

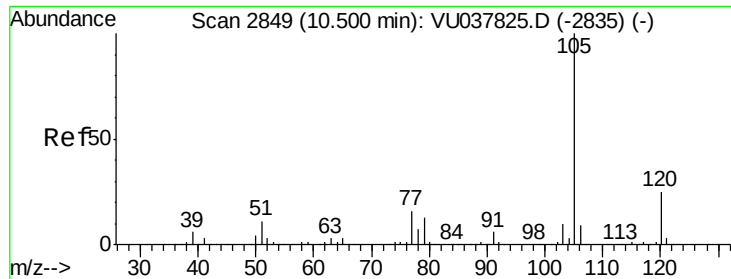
Tgt Ion:104 Resp: 541493

Ion Ratio Lower Upper

104 100

78 47.3 33.1 61.5





#56

Isopropylbenzene

Concen: 42.732 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

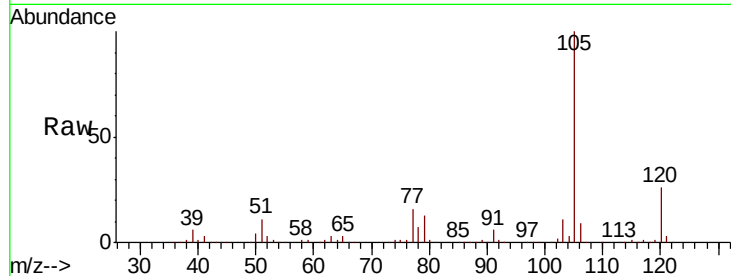
Tot Ion:105 Resp: 817940

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

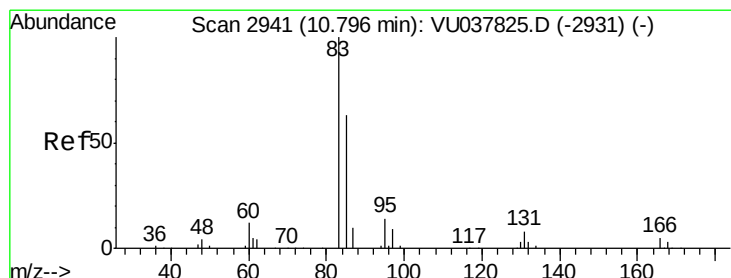
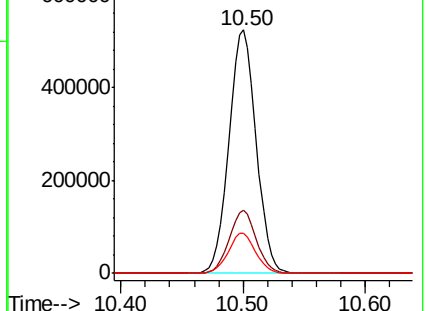
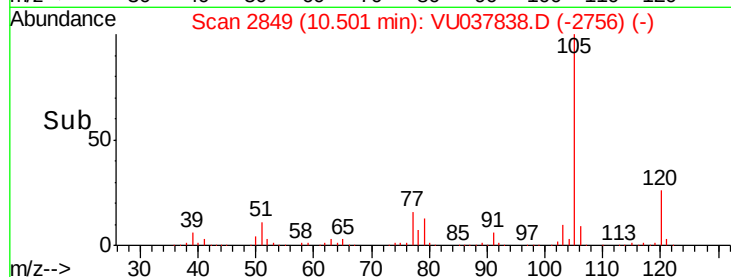
77 16.5 13.1 19.7



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: 44.734 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

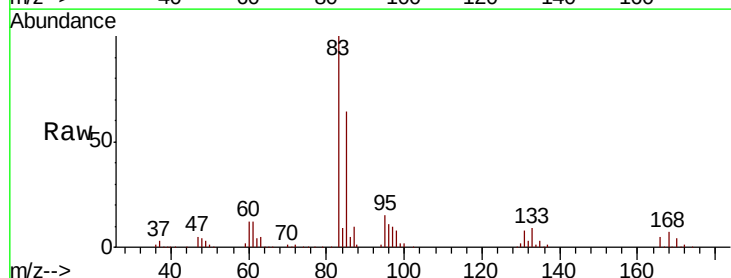
Tgt Ion: 83 Resp: 320226

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1

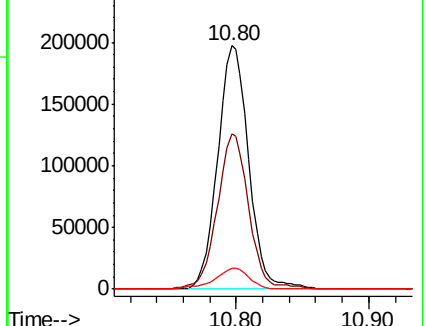
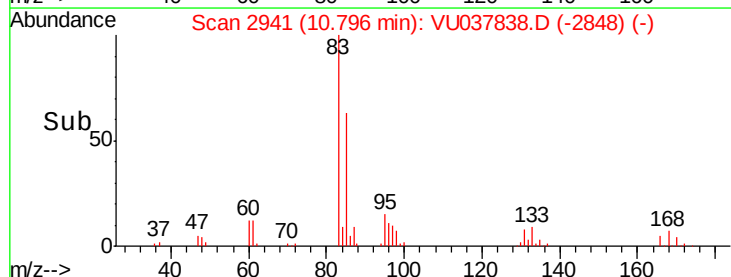
131 8.4 7.3 10.9

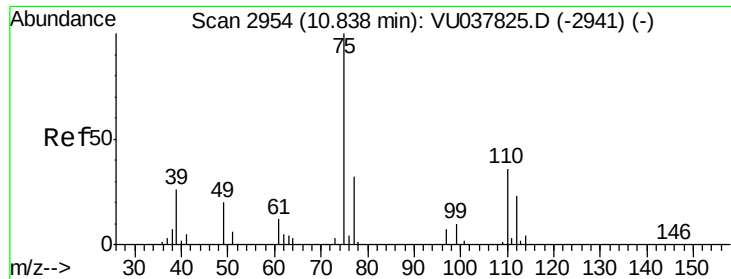


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.019 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

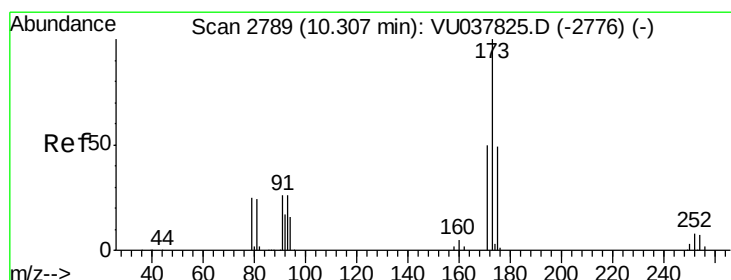
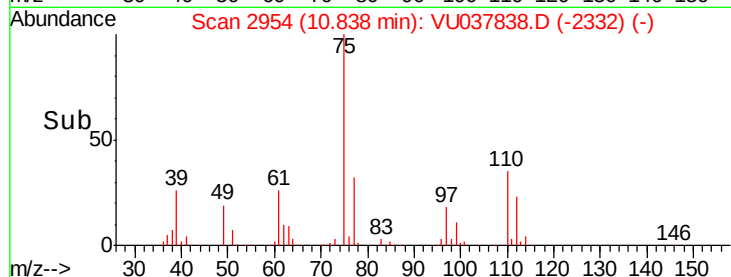
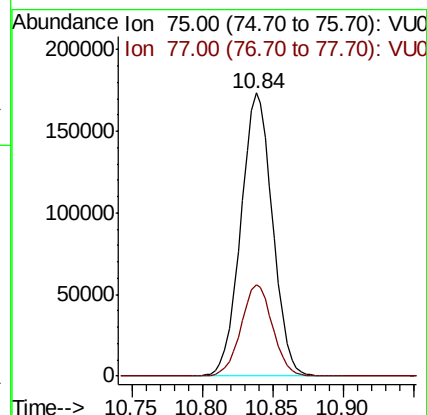
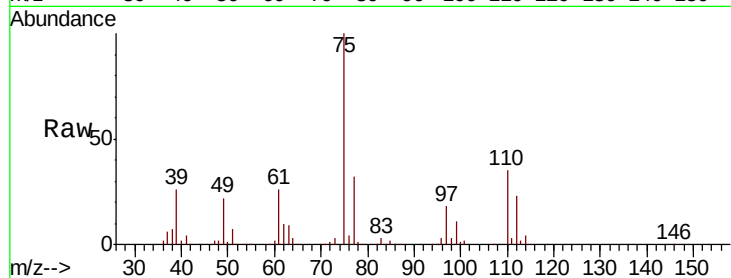
ClientSampleId :

Tot Ion: 75 Resp: 272760

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#61

Bromoform

Concen: 44.669 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

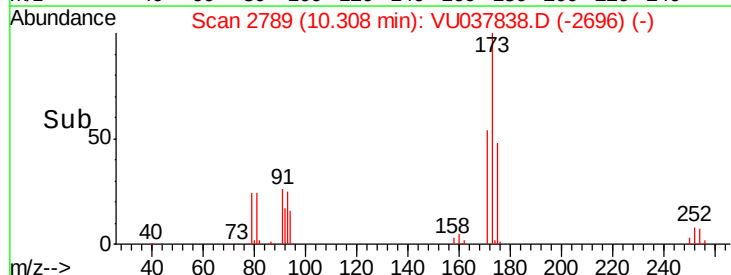
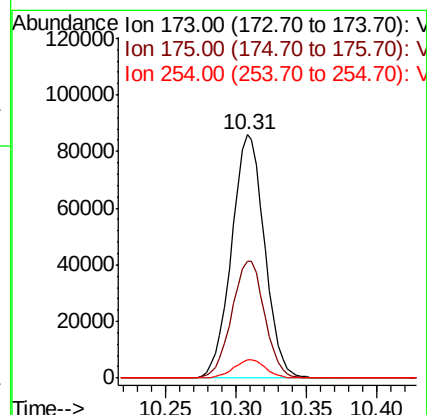
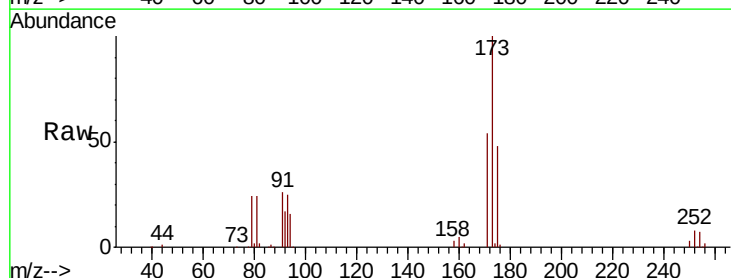
Tgt Ion: 173 Resp: 140309

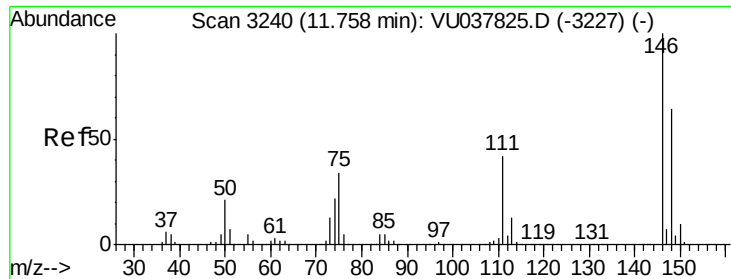
Ion Ratio Lower Upper

173 100

175 48.2 37.4 56.2

254 7.5 5.7 8.5





#62

1,3-Dichlorobenzene

Concen: 42.792 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

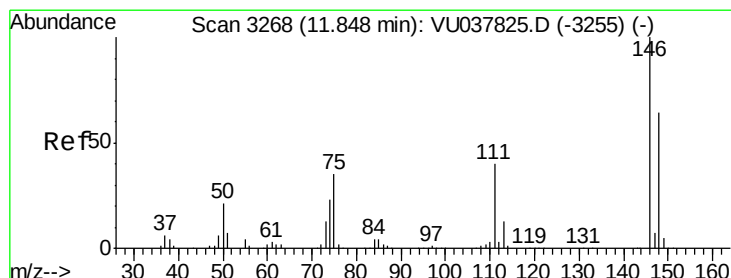
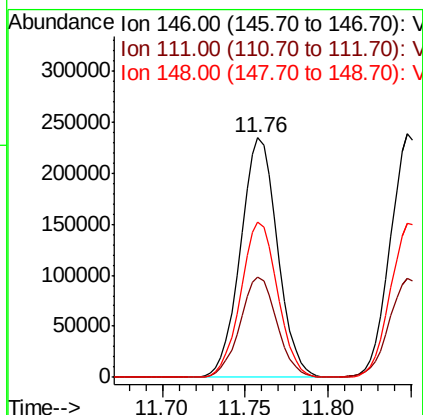
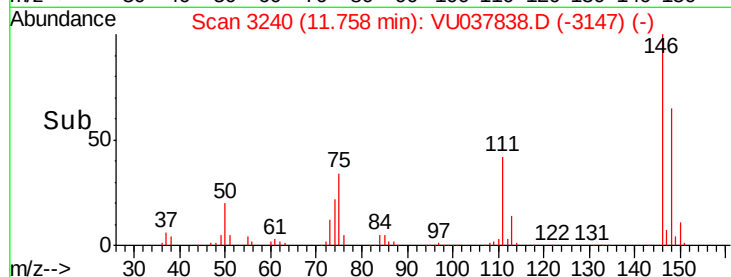
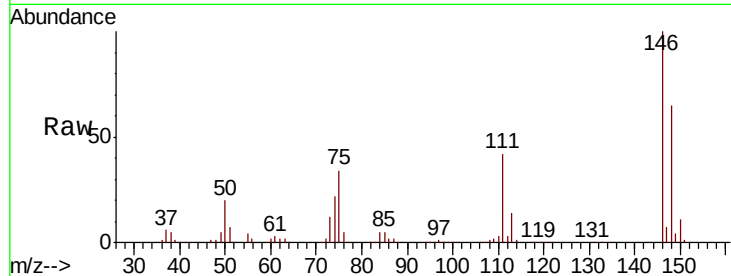
Tot Ion:146 Resp: 363037

Ion Ratio Lower Upper

146 100

111 42.1 28.9 53.7

148 64.9 45.5 84.5



#63

1,4-Dichlorobenzene

Concen: 42.697 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

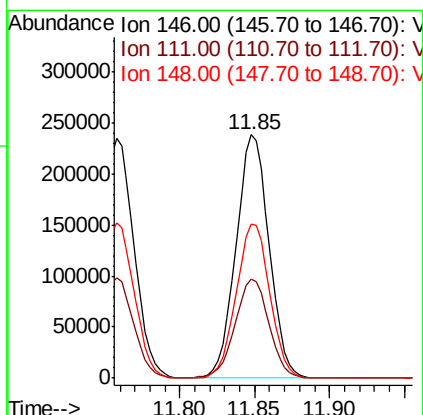
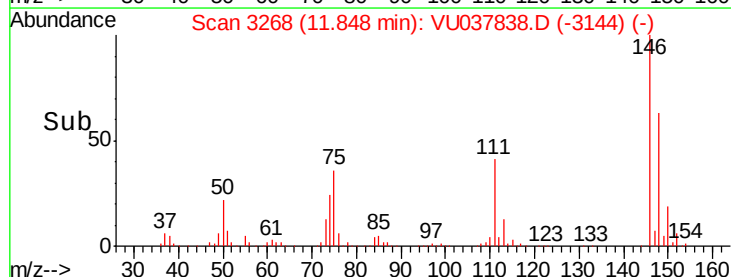
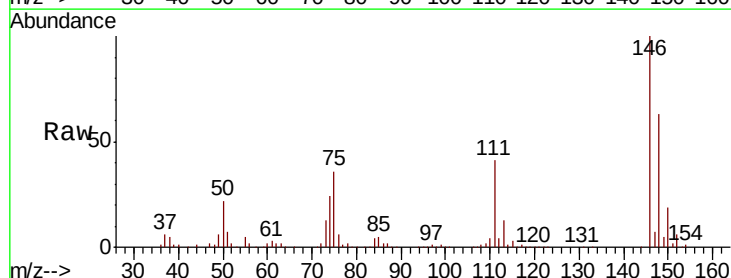
Tgt Ion:146 Resp: 365742

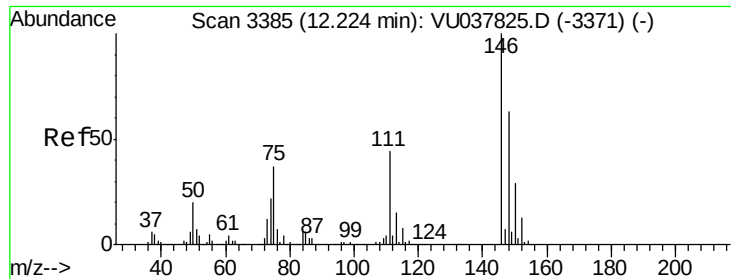
Ion Ratio Lower Upper

146 100

111 40.7 28.6 53.2

148 63.1 44.7 82.9

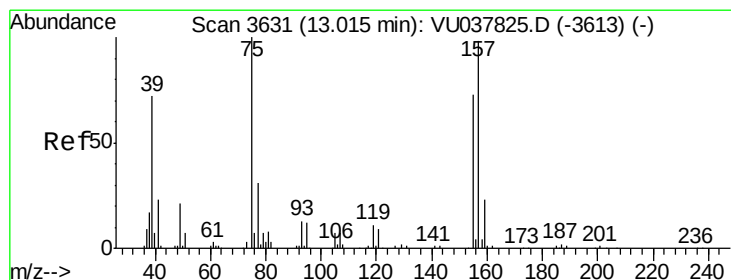
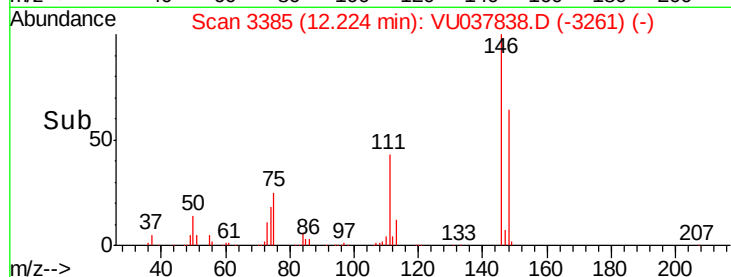
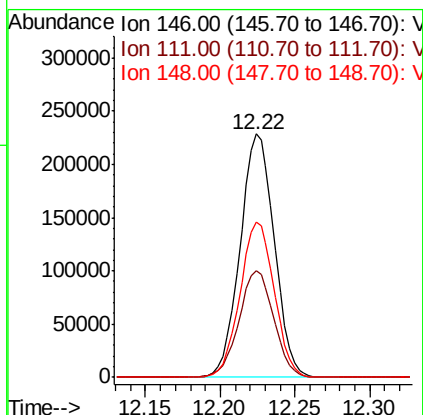
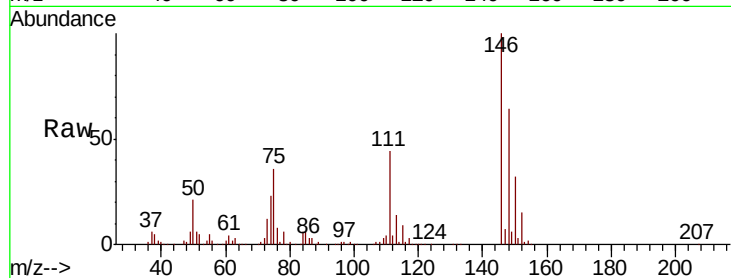




#65
 1,2-Dichlorobenzene
 Concen: 43.395 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

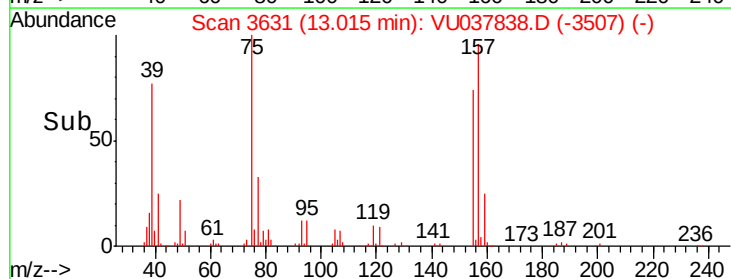
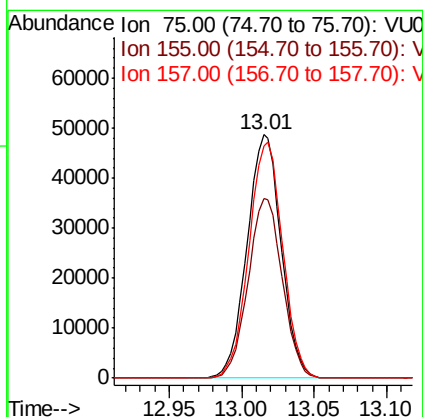
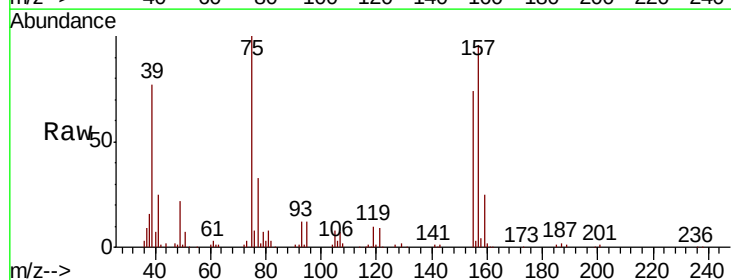
Instrument :
 MSVOA_U
 ClientSampleId :

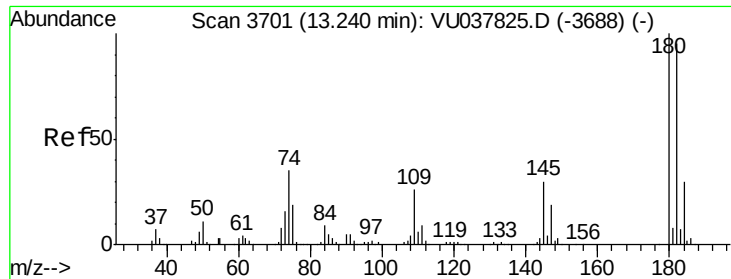
Tot Ion:146 Resp: 363193
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.3 52.9
 148 63.8 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.603 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

Tgt Ion: 75 Resp: 79756
 Ion Ratio Lower Upper
 75 100
 155 73.7 57.6 86.4
 157 95.5 79.2 118.8

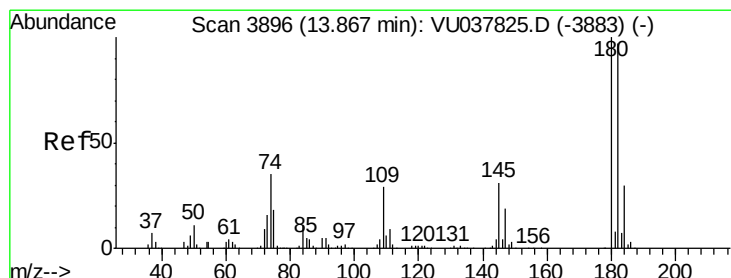
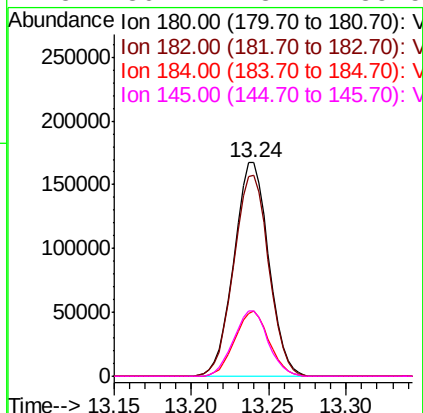
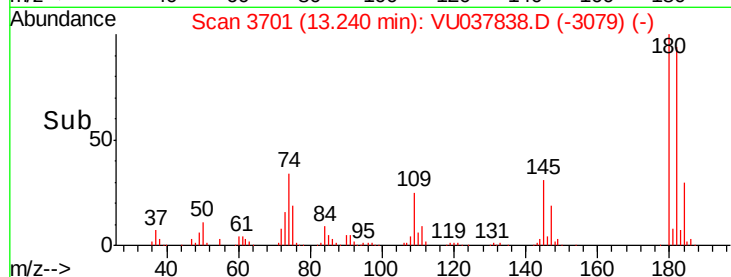
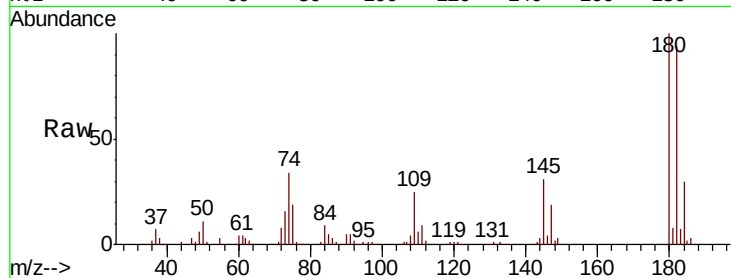




#67
 1,3,5-Trichlorobenzene
 Concen: 42.463 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

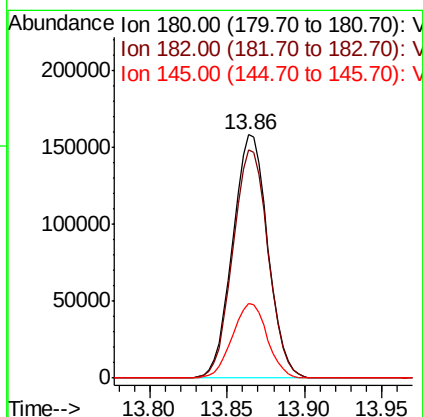
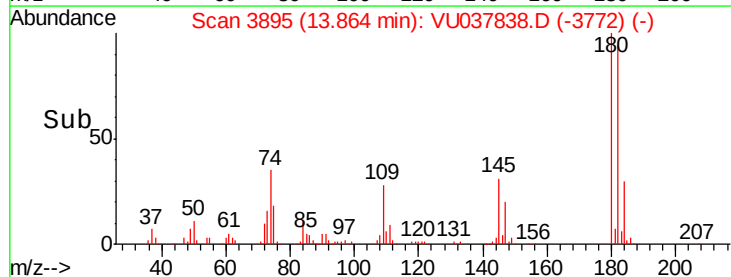
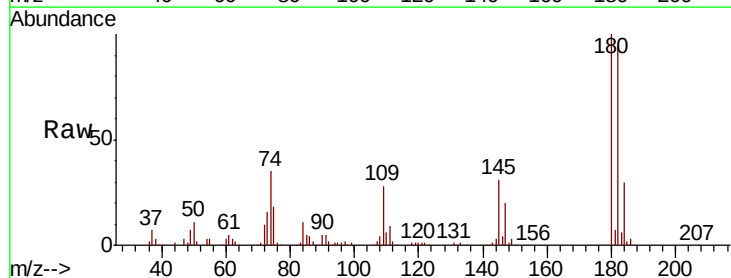
Instrument :
 MSVOA_U
 ClientSampled :

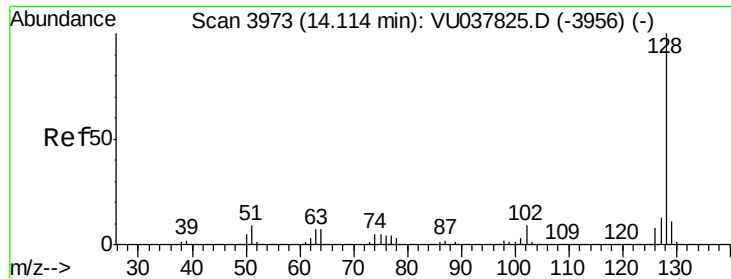
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	30.1	24.7	37.1
145	30.4	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 42.661 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037838.D
 Acq: 21 Apr 2020 20:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.4
145	30.5	24.3	36.5





#69

Naphthalene

Concen: 42.312 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

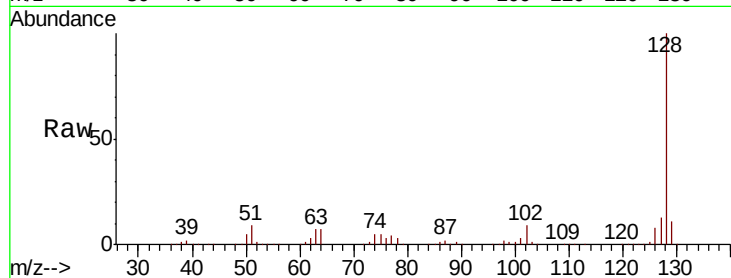
Tot Ion:128 Resp: 873166

Ion Ratio Lower Upper

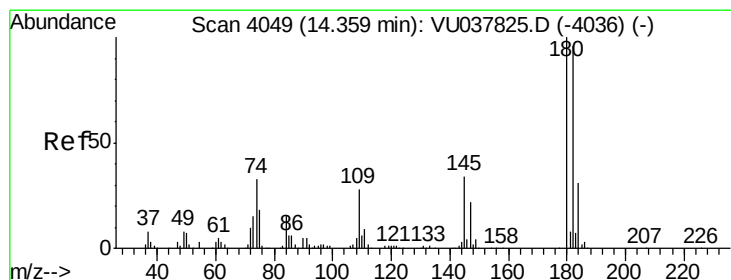
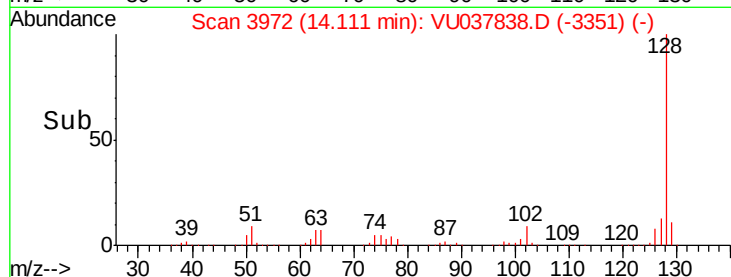
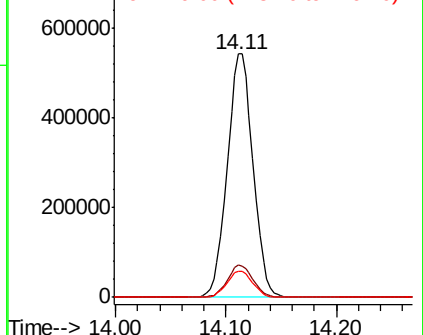
128 100

127 13.2 10.7 16.1

129 10.9 8.6 13.0



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: 42.378 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037838.D

Acq: 21 Apr 2020 20:24

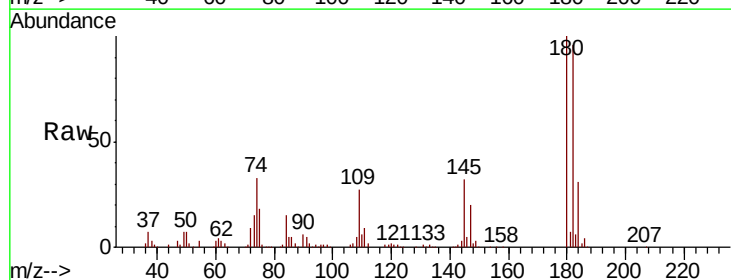
Tgt Ion:180 Resp: 247064

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.4

145 32.7 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

