

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032720\
 Data File : VU037380.D
 Acq On : 27 Mar 2020 19:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 01:54:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 01:22:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	292672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	279543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144806	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87711	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.44%
7) Chloroethane-d5	1.93	69	71432	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.12%
11) 1,1-Dichloroethene-d2	2.59	63	182237	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.32%
21) 2-Butanone-d5	4.67	46	169981	100.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.74%
24) Chloroform-d	5.11	84	190660	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.74	65	125207	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.76	84	376173	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.72	67	123447	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.24%
41) Toluene-d8	7.92	98	355529	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%
43) trans-1,3-Dichloropropene-	8.20	79	69572	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.96%
47) 2-Hexanone-d5	8.65	63	136196	95.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	187241	50.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.56%
64) 1,2-Dichlorobenzene-d4	12.21	152	143806	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	114443	37.693	ug/L 99
3) Chloromethane	1.54	50	101461	38.934	ug/L 99
5) Vinyl chloride	1.62	62	100951	38.960	ug/L 98
6) Bromomethane	1.87	94	55839	45.955	ug/L 94
8) Chloroethane	1.95	64	54626	38.433	ug/L 98
9) Trichlorofluoromethane	2.16	101	131139	38.271	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	82220	37.318	ug/L 99
12) 1,1-Dichloroethene	2.60	96	85000	37.781	ug/L 98
13) Acetone	2.65	43	98230	73.936	ug/L 96
14) Carbon disulfide	2.82	76	285341	38.435	ug/L 100
15) Methyl Acetate	2.98	43	115375	39.064	ug/L 99
16) Methylene chloride	3.08	84	100558	39.013	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	93541	39.541	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	319629	39.860	ug/L 99
19) 1,1-Dichloroethane	3.91	63	171148	39.051	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	105508	40.047	ug/L 99
22) 2-Butanone	4.75	43	169729	80.908	ug/L 99

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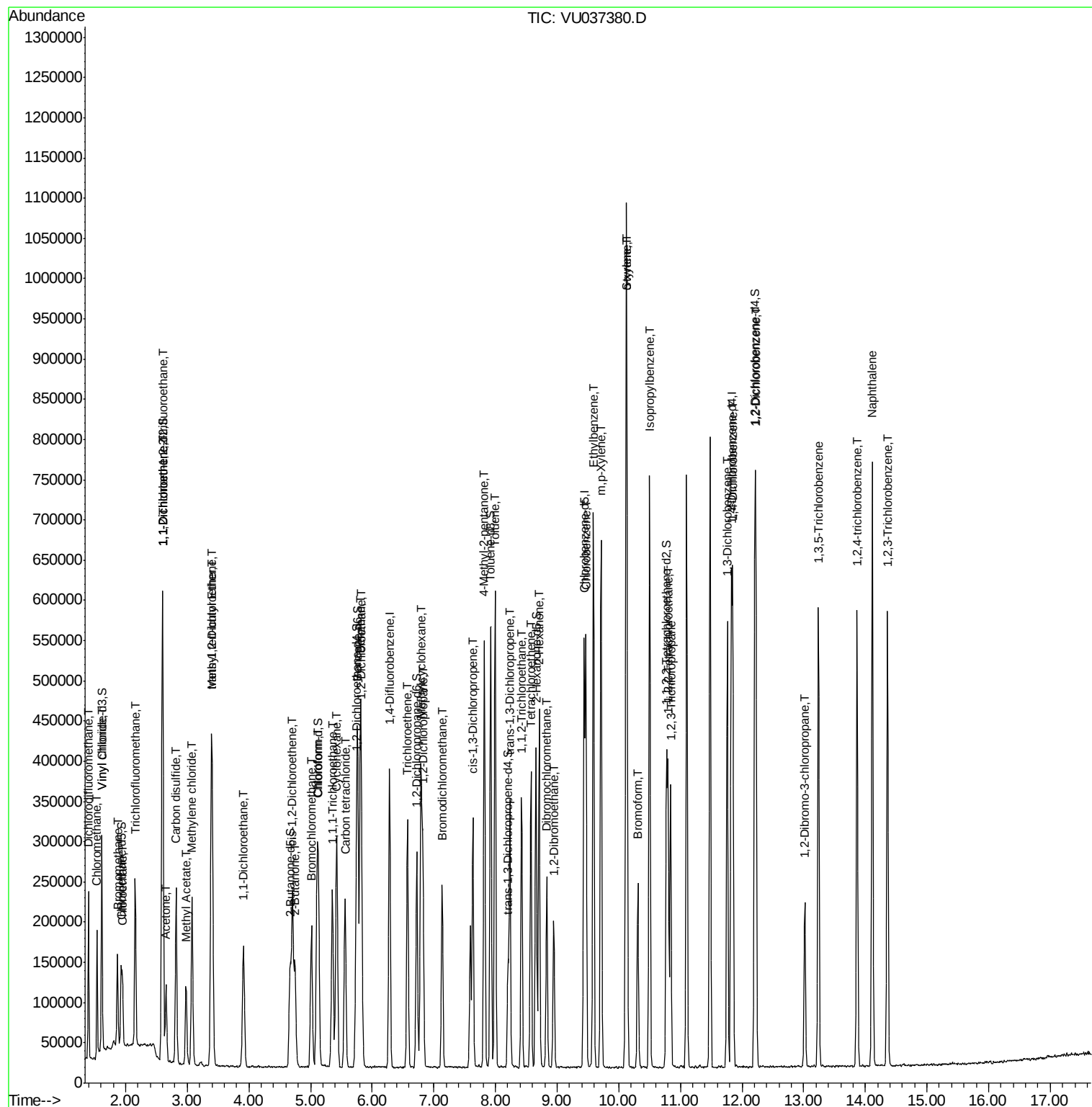
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54359	39.434	ug/L	89
25) Chloroform	5.13	83	179121	39.882	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144790	40.506	ug/L	99
29) Cyclohexane	5.42	56	150876	37.496	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	162657	39.100	ug/L	99
31) Carbon tetrachloride	5.56	117	138066	38.423	ug/L	100
33) Benzene	5.81	78	381097	38.645	ug/L	100
34) Trichloroethene	6.57	95	101793	38.627	ug/L	99
35) Methylcyclohexane	6.79	83	153126	36.891	ug/L	99
37) 1,2-Dichloropropane	6.82	63	103092	39.374	ug/L	100
38) Bromodichloromethane	7.13	83	143941	39.231	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	175826	39.886	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	327883	79.232	ug/L #	100
42) Toluene	7.99	91	420946	39.424	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	172636	39.278	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	101037	39.830	ug/L	98
46) Tetrachloroethene	8.57	164	79989	39.533	ug/L	95
48) 2-Hexanone	8.71	43	263214	80.764	ug/L	99
49) Dibromochloromethane	8.83	129	119183	38.948	ug/L	99
50) 1,2-Dibromoethane	8.95	107	113312	39.211	ug/L	99
51) Chlorobenzene	9.47	112	268489	39.457	ug/L	99
52) Ethylbenzene	9.59	91	476021	39.682	ug/L	98
53) m,p-Xylene	9.71	106	183495	39.973	ug/L	99
54) o-xylene	10.12	106	180763	40.404	ug/L	97
55) Styrene	10.13	104	312352	39.760	ug/L	99
56) Isopropylbenzene	10.50	105	464529	39.227	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	176160	39.554	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	142374	39.534	ug/L	99
61) Bromoform	10.31	173	99101	39.116	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	221300	39.202	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	223136	39.617	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	222815	39.947	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	52017	39.686	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	171145	39.054	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	169917	39.440	ug/L	99
69) Naphthalene	14.11	128	593363	40.872	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	172612	39.975	ug/L	99

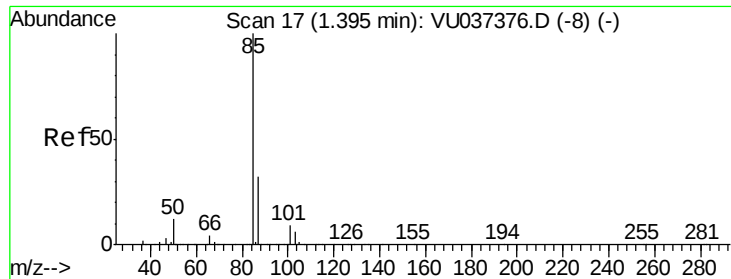
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 37.693 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

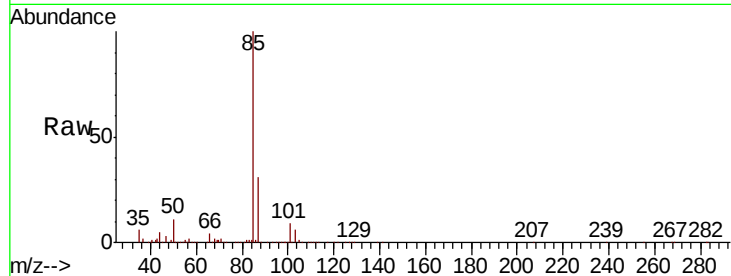
ClientSampleId :

Tot Ion: 85 Resp: 114443

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU037376.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037376.D (-8) (-)

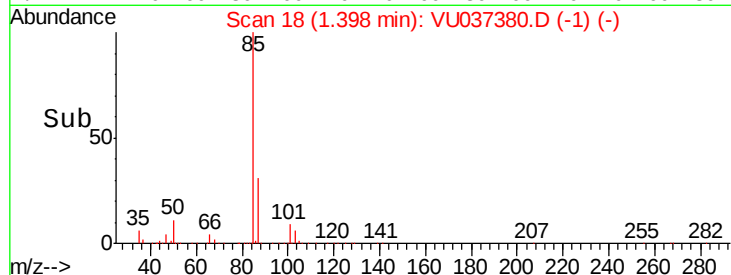
1.40

100000

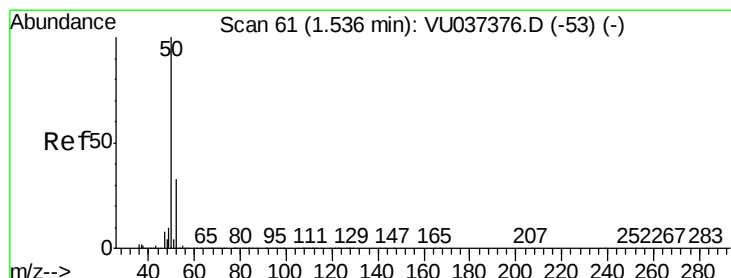
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 38.934 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037380.D

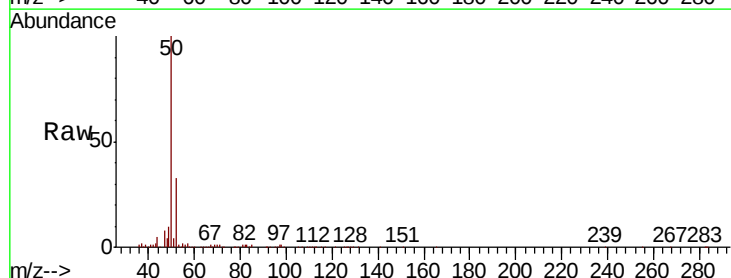
Acq: 27 Mar 2020 19:06

Tgt Ion: 50 Resp: 101461

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU037376.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037376.D (-53) (-)

1.54

100000

80000

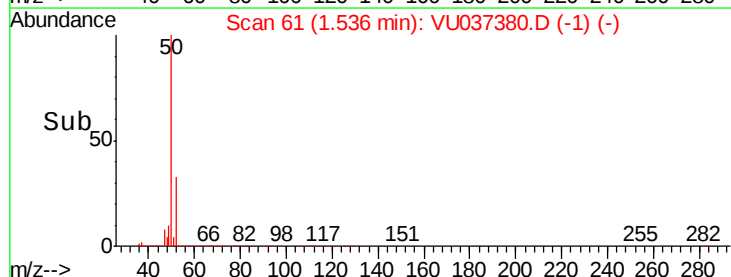
60000

40000

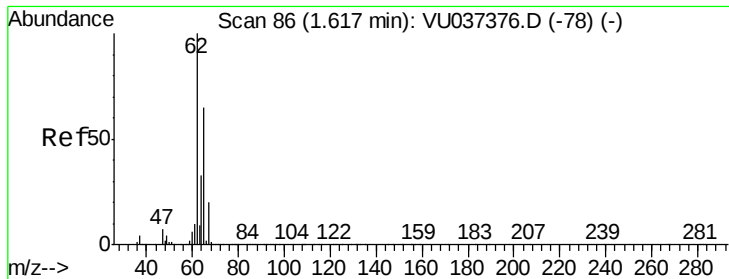
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 38.960 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

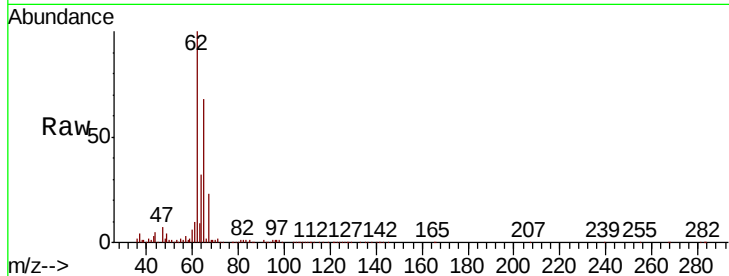
ClientSampleId :

Tot Ion: 62 Resp: 100951

Ion Ratio Lower Upper

62 100

64 31.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU037376.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037376.D (-78) (-)

1.62

100000

80000

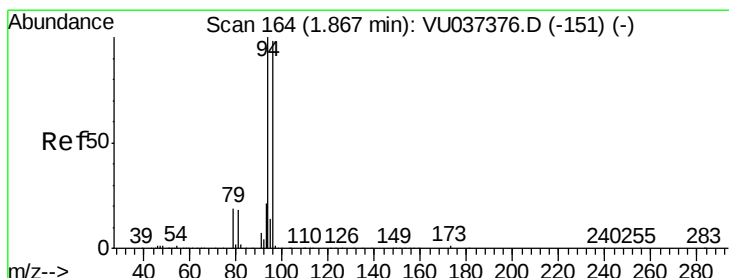
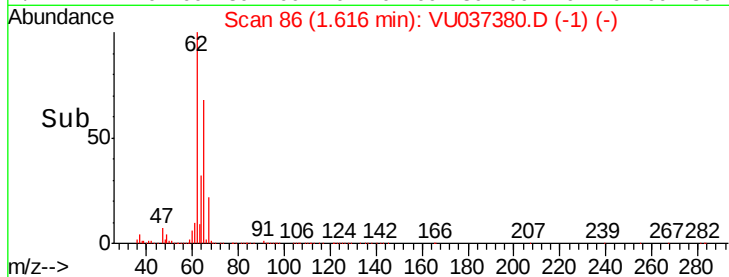
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 45.955 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037380.D

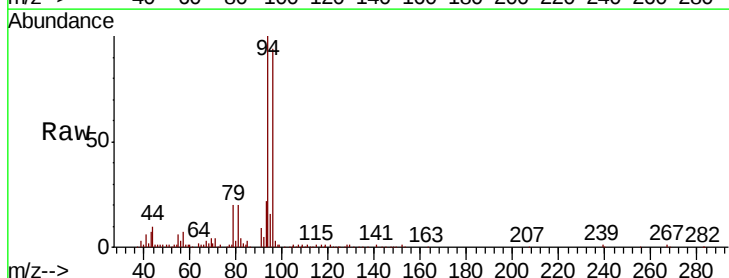
Acq: 27 Mar 2020 19:06

Tgt Ion: 94 Resp: 55839

Ion Ratio Lower Upper

94 100

96 93.9 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU037376.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU037376.D (-151) (-)

1.87

40000

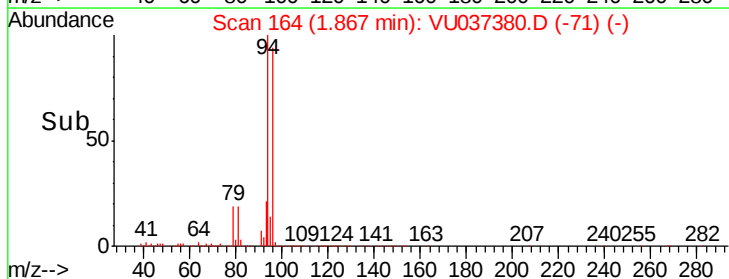
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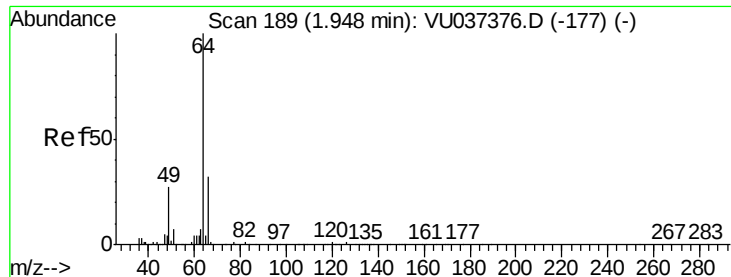
20000

10000

0

Time-->

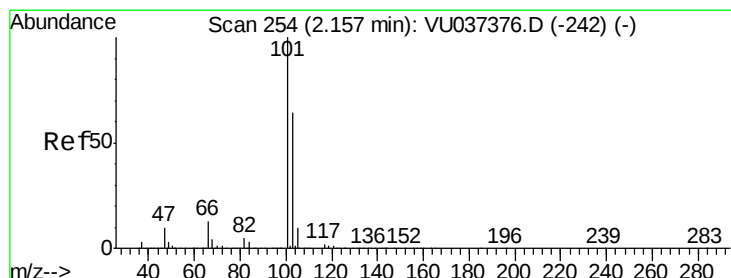
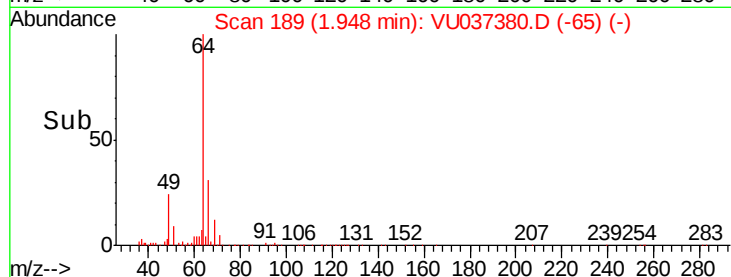
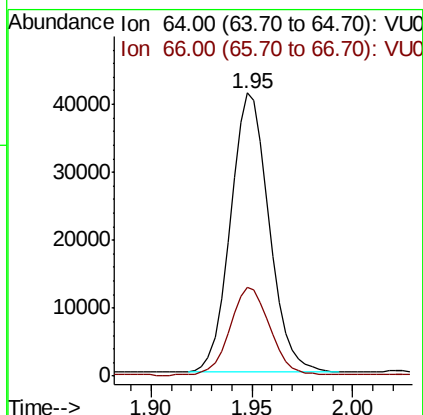
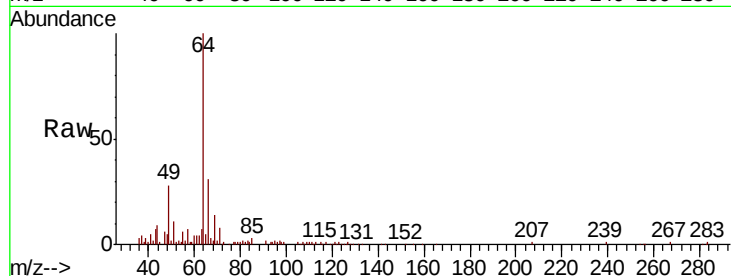




#8
Chloroethane
Concen: 38.433 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

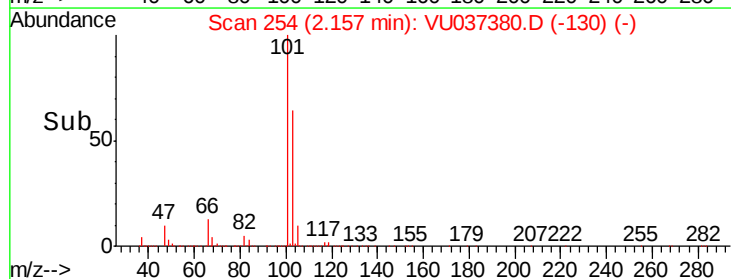
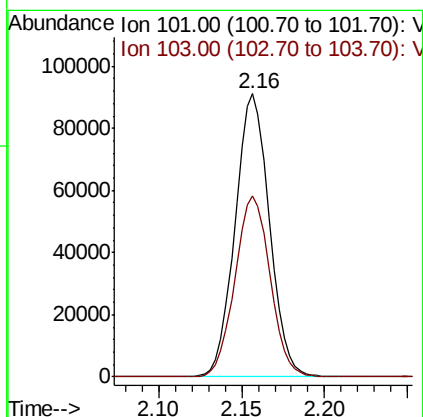
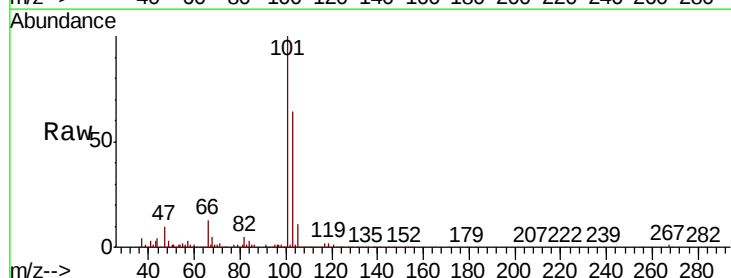
Instrument :
MSVOA_U
ClientSampleId :

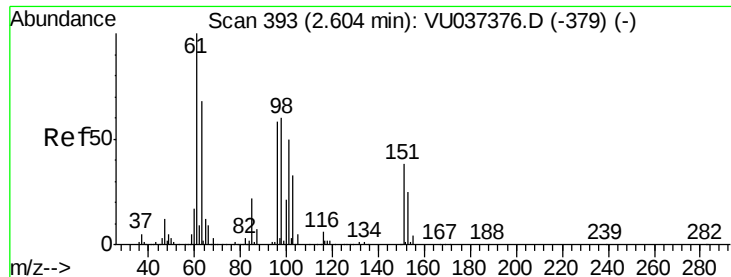
Tot Ion: 64 Resp: 54626
Ion Ratio Lower Upper
64 100
66 31.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 38.271 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 101 Resp: 131139
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8





#10

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

Concen: 37.318 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

ClientSampled :

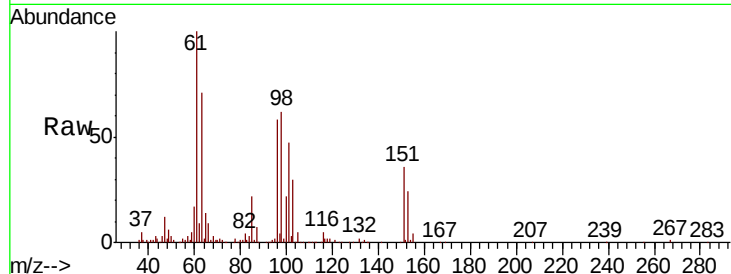
Tot Ion:101 Resp: 82220

Ion Ratio Lower Upper

101 100

85 44.9 35.6 53.4

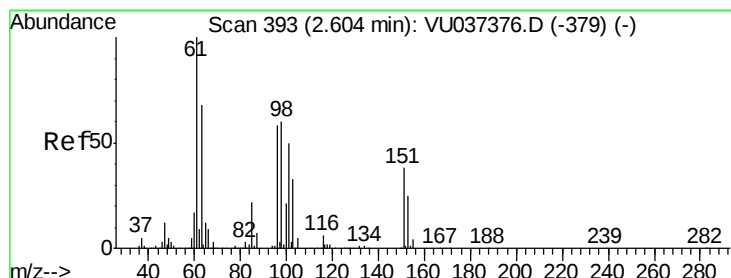
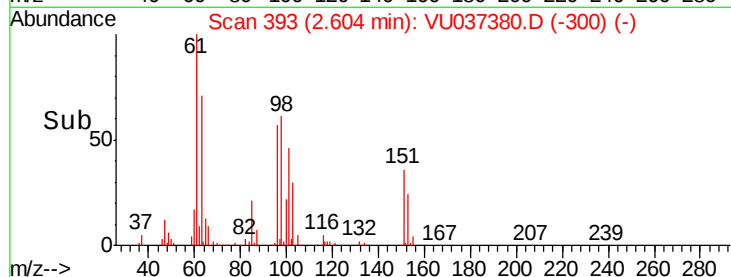
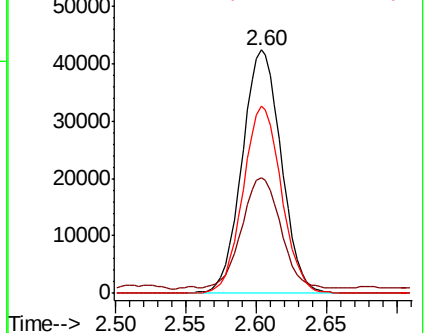
151 75.8 60.2 90.4



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: 37.781 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

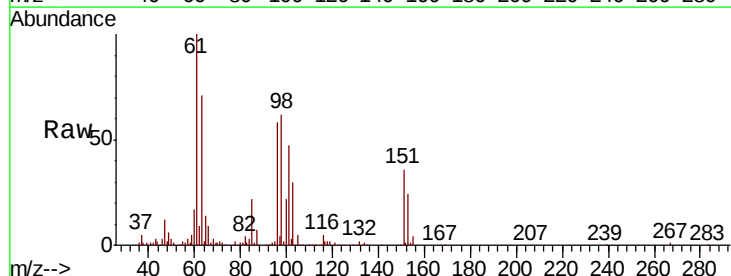
Tgt Ion: 96 Resp: 85000

Ion Ratio Lower Upper

96 100

61 173.0 120.0 222.8

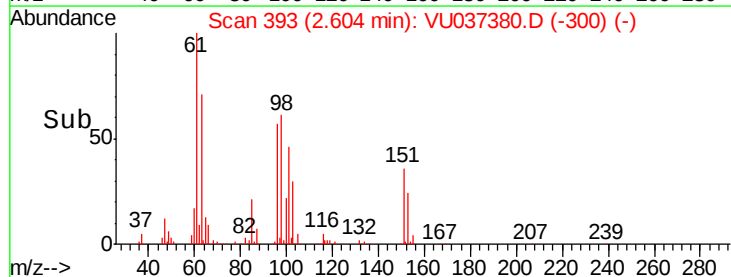
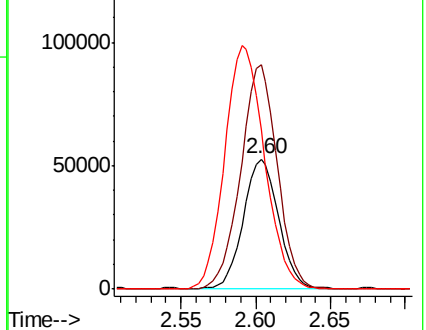
63 122.4 83.3 154.7

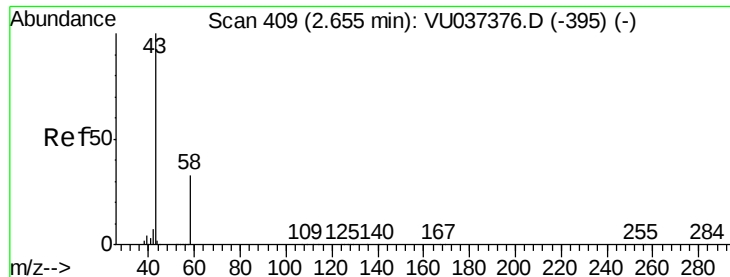


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.936 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

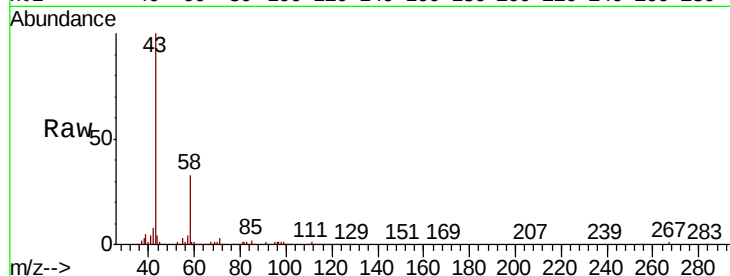
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 98230

Ion Ratio Lower Upper

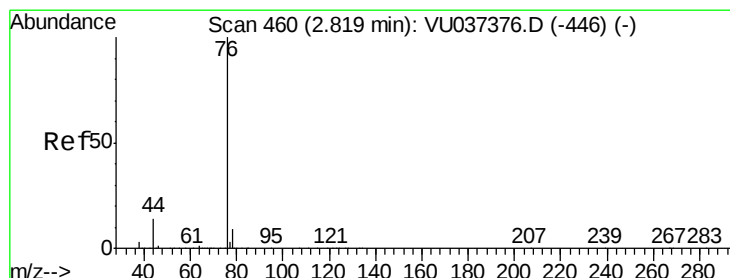
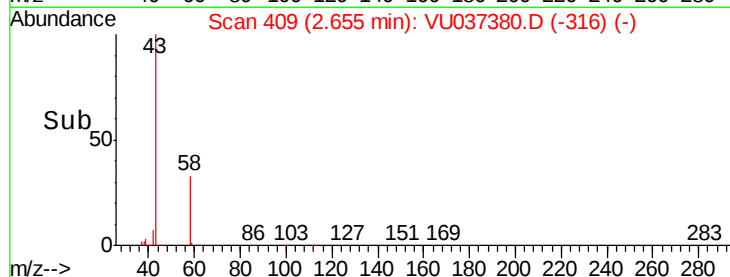
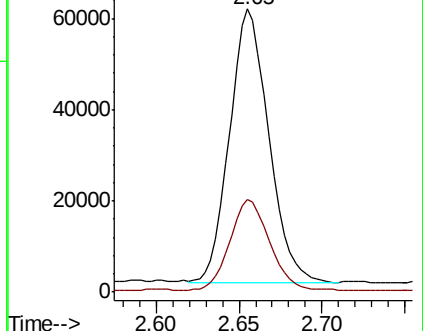
43 100

58 33.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU037376.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VU037376.D (-395) (-)



#14

Carbon disulfide

Concen: 38.435 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037380.D

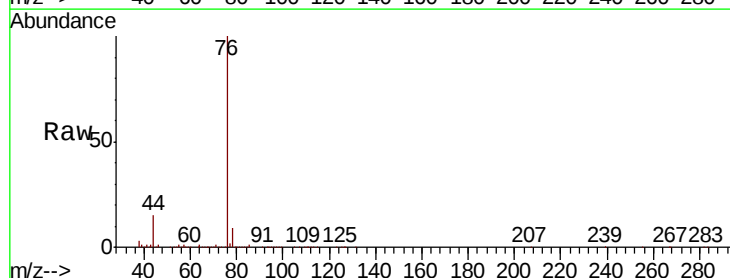
Acq: 27 Mar 2020 19:06

Tgt Ion: 76 Resp: 285341

Ion Ratio Lower Upper

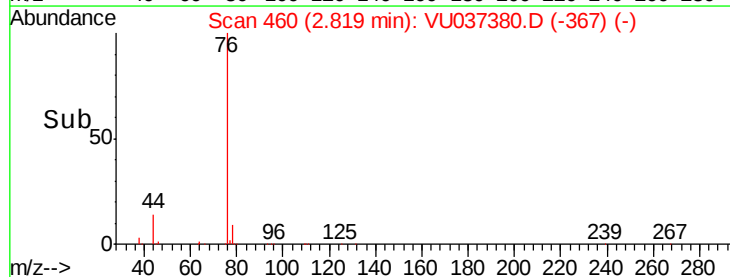
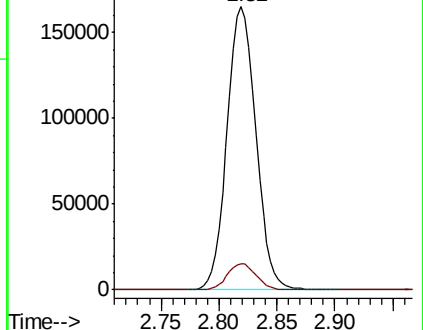
76 100

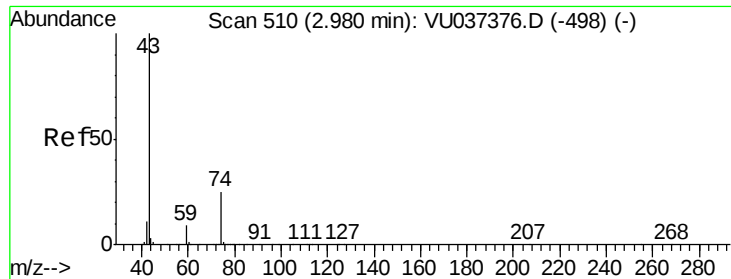
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU037376.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037376.D (-446) (-)

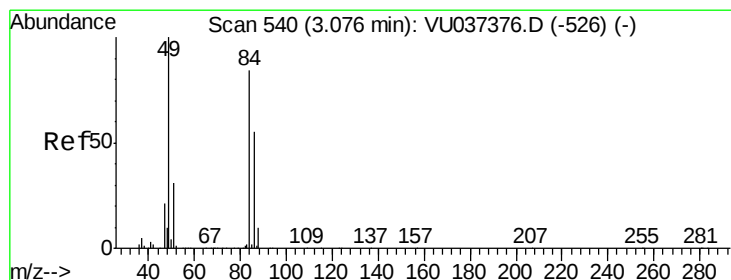
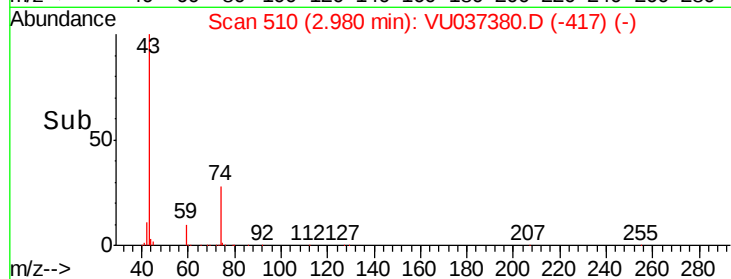
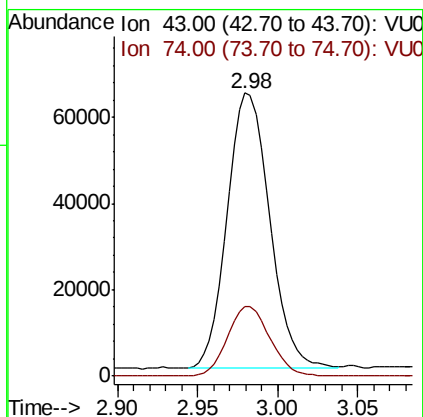
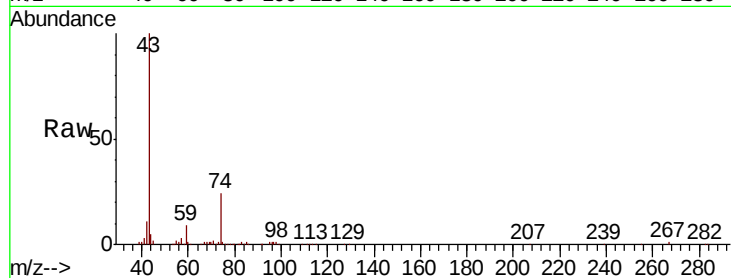




#15
Methvl Acetate
Concen: 39.064 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

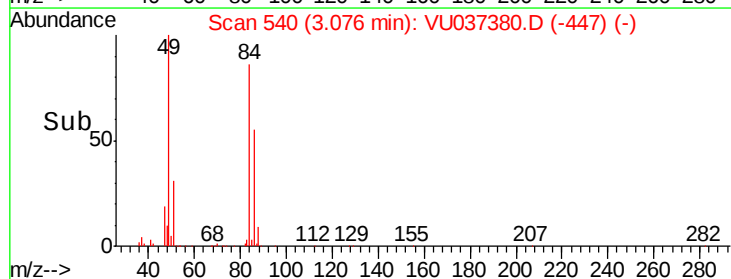
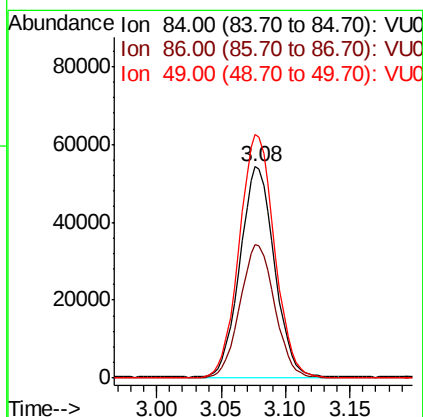
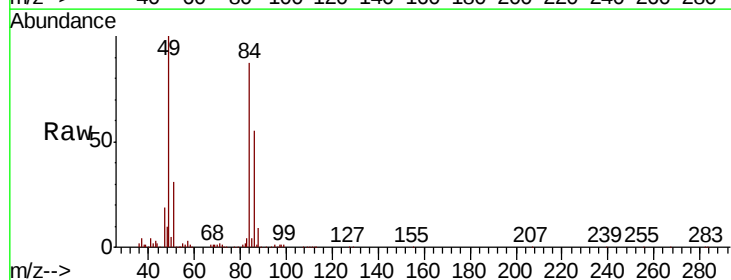
Instrument :
MSVOA_U
ClientSampleId :

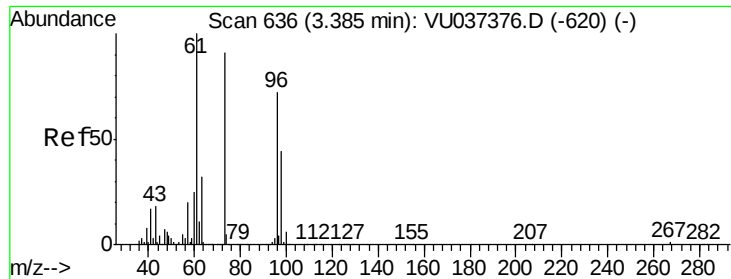
Tot Ion: 43 Resp: 115375
Ion Ratio Lower Upper
43 100
74 25.4 20.1 30.1



#16
Methylene chloride
Concen: 39.013 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 84 Resp: 100558
Ion Ratio Lower Upper
84 100
86 63.2 45.9 85.3
49 115.2 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 39.541 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

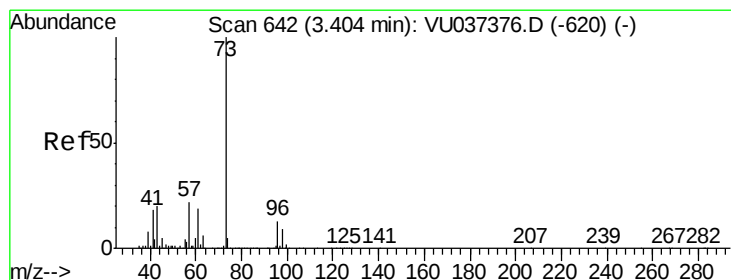
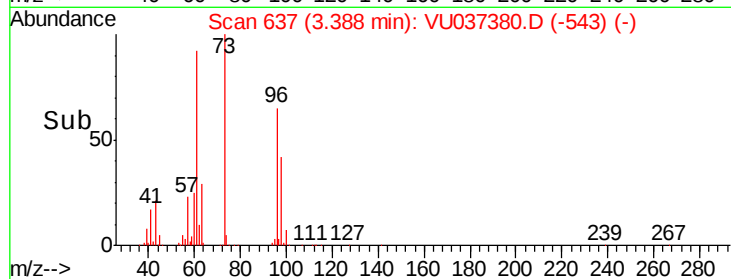
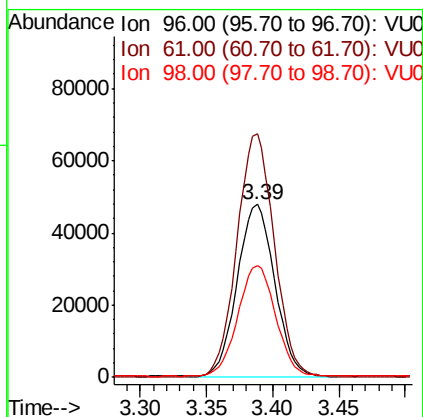
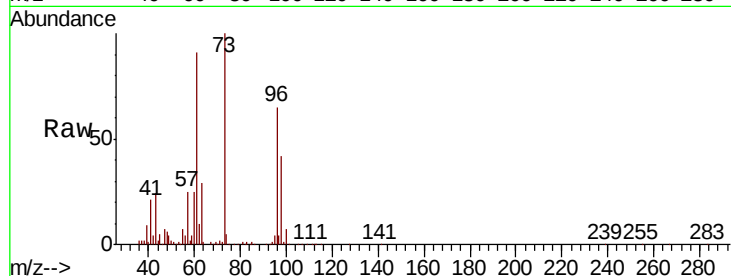
Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 93541

Ion	Ratio	Lower	Upper
96	100		
61	140.8	96.6	179.4
98	64.6	43.4	80.6



#18

Methyl tert-butyl Ether

Concen: 39.860 ug/L

RT: 3.40 min Scan# 642

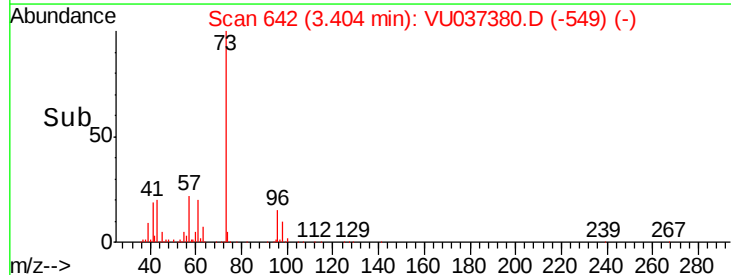
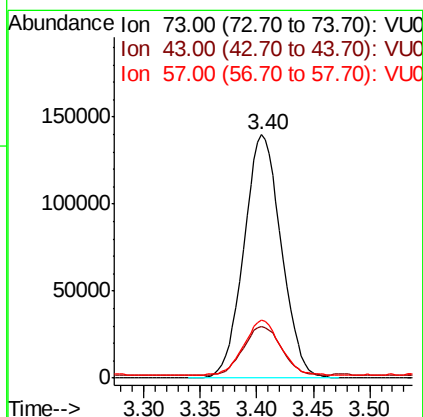
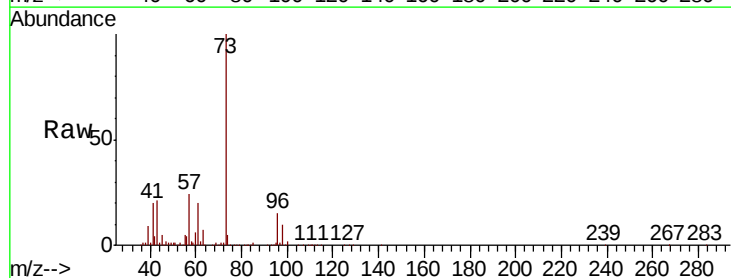
Delta R.T. -0.00 min

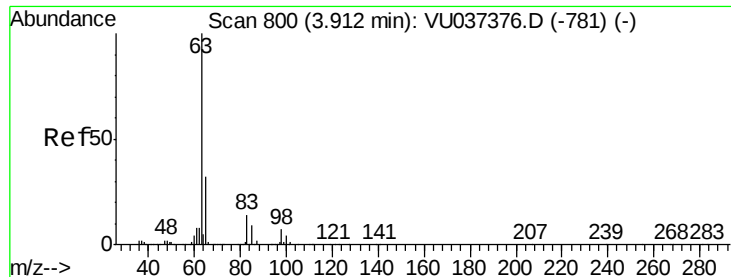
Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Tgt Ion: 73 Resp: 319629

Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.2	24.4
57	22.4	17.3	25.9

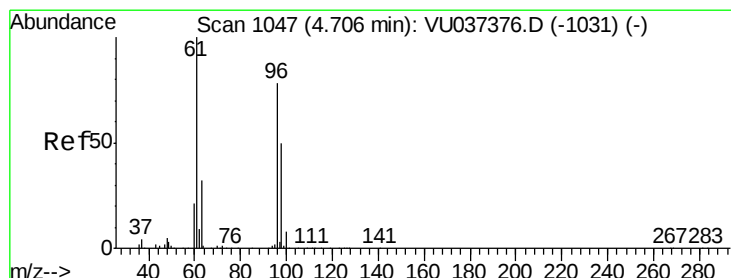
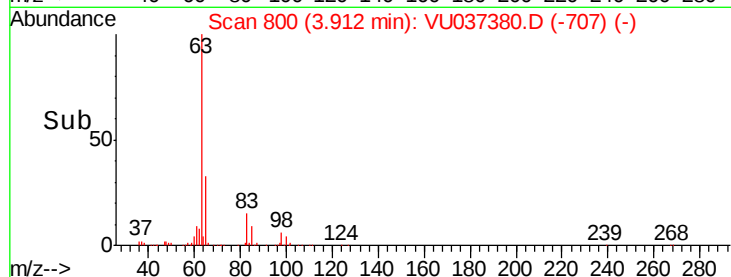
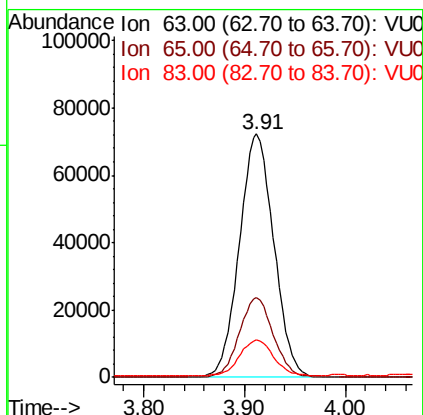
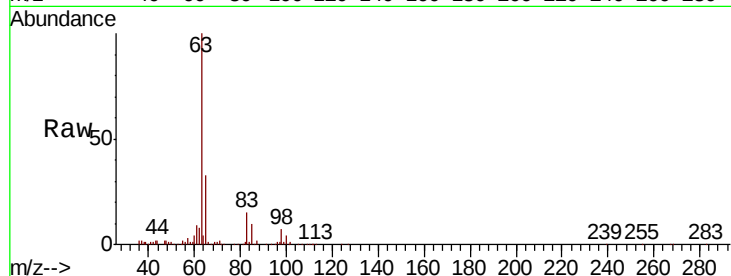




#19
 1,1-Dichloroethane
 Concen: 39.051 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

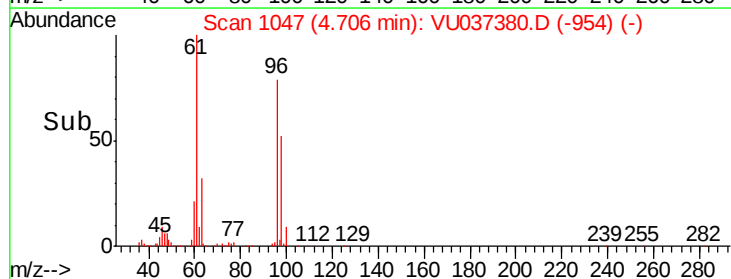
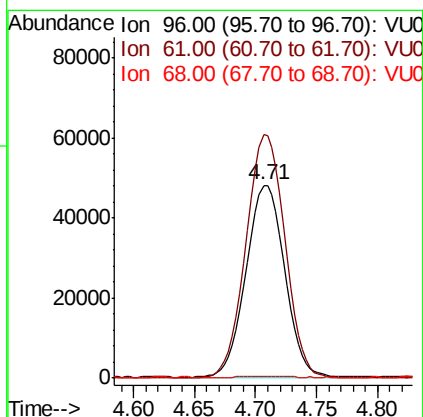
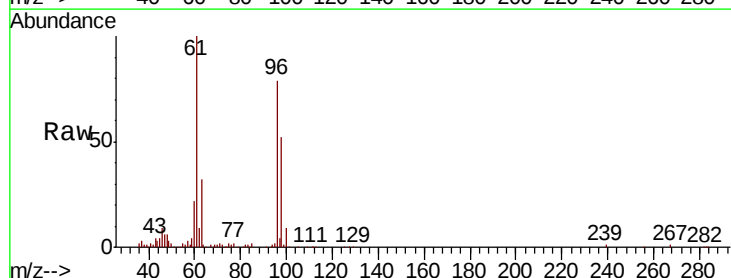
Instrument :
 MSVOA_U
 ClientSampleId :

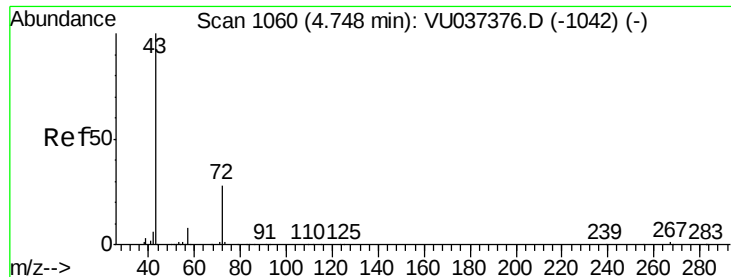
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.4	41.6
83	15.4	10.6	19.6



#20
 cis-1,2-Dichloroethene
 Concen: 40.047 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.6	89.4	166.0
68	0.6	0.3	0.7

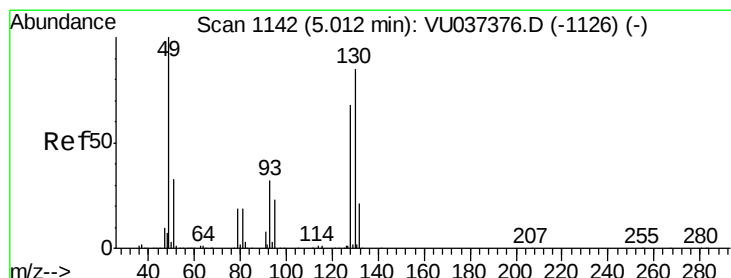
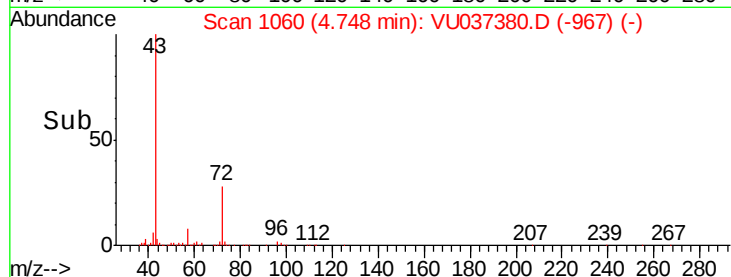
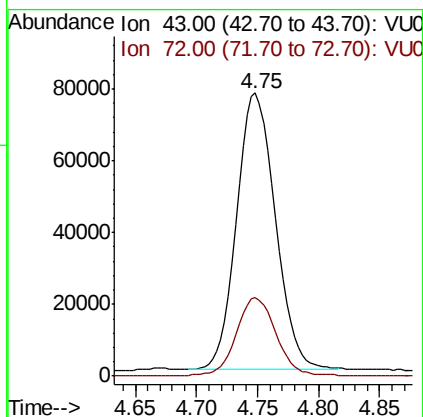
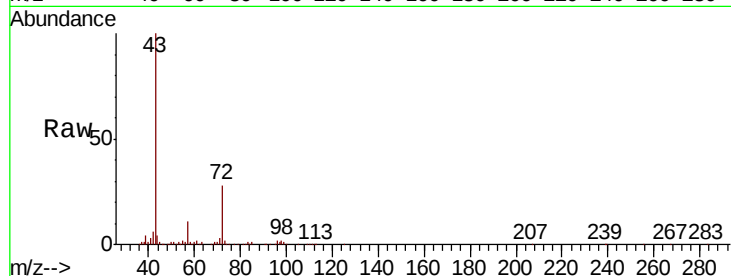




#22
2-Butanone
Concen: 80.908 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

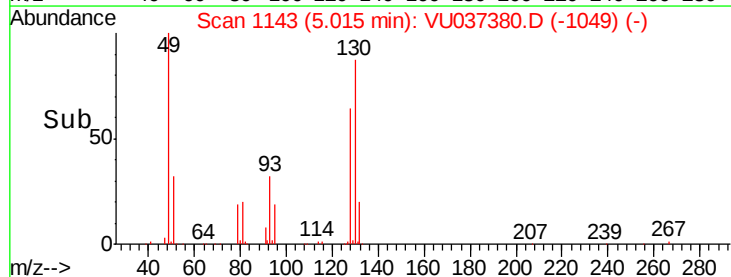
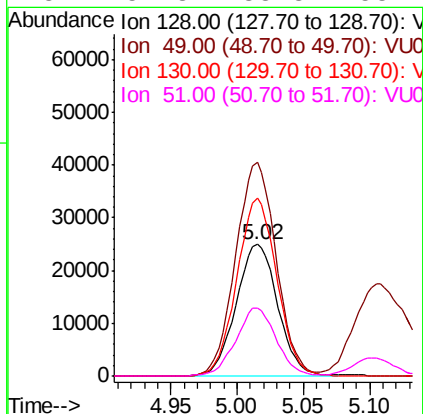
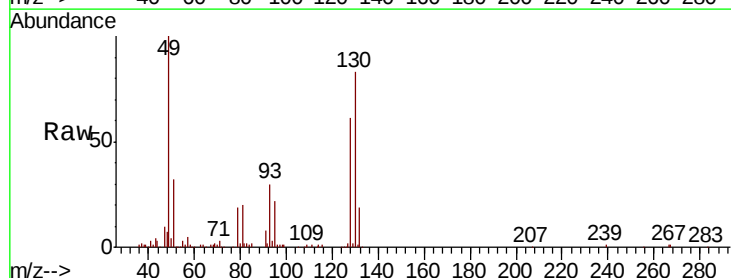
Instrument :
MSVOA_U
ClientSampleId :

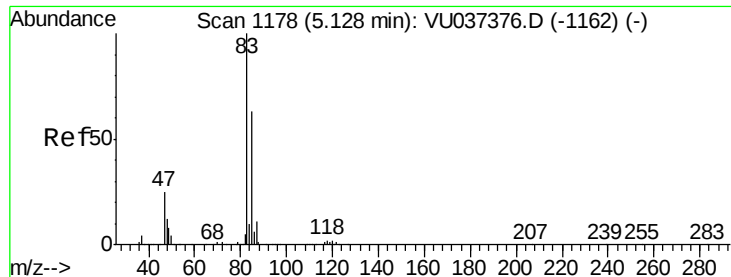
Tot Ion: 43 Resp: 169729
Ion Ratio Lower Upper
43 100
72 28.7 14.1 42.2



#23
Bromochloromethane
Concen: 39.434 ug/L
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 128 Resp: 54359
Ion Ratio Lower Upper
128 100
49 162.7 102.6 190.6
130 135.8 86.7 161.1
51 51.3 38.8 58.2

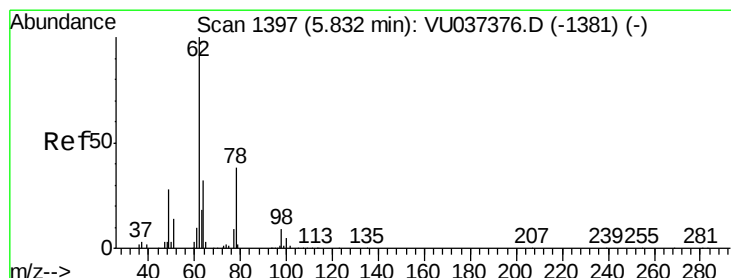
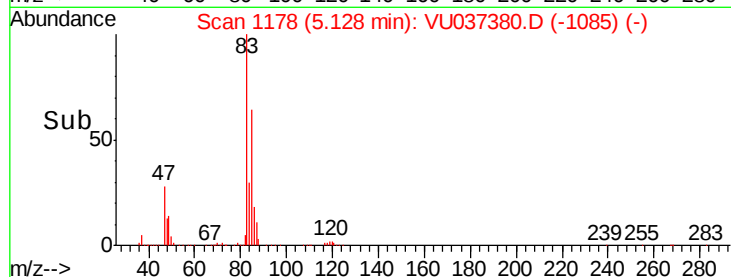
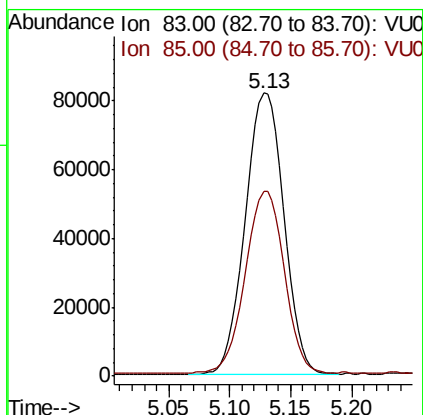
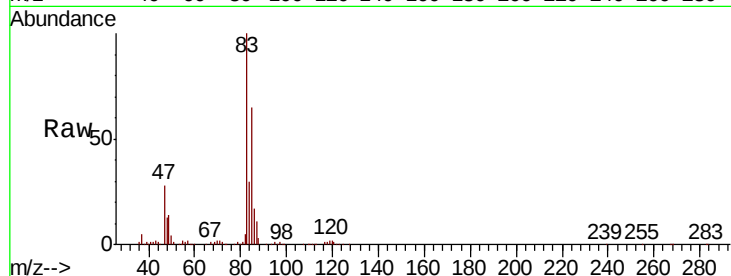




#25
Chloroform
Concen: 39.882 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

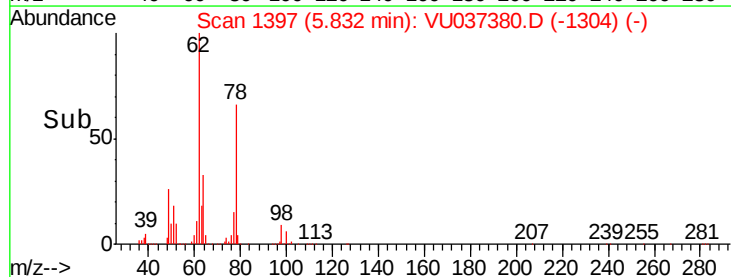
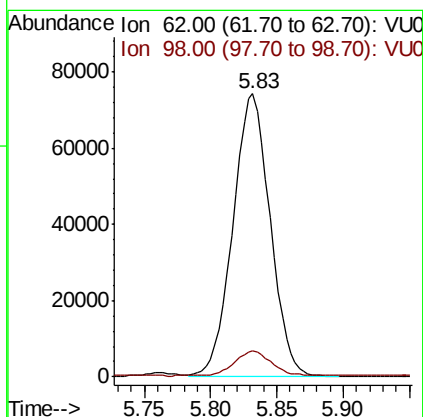
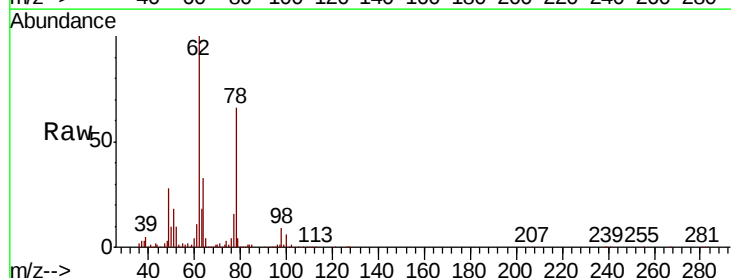
Instrument :
MSVOA_U
ClientSampleId :

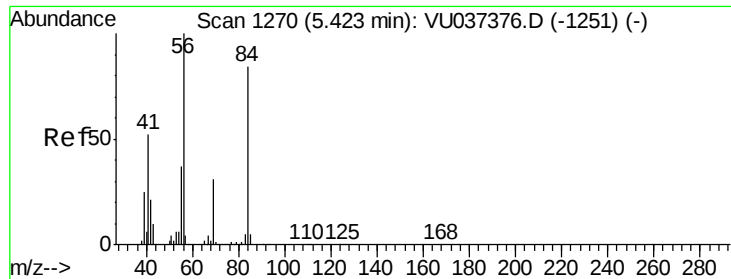
Tot Ion: 83 Resp: 179121
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.7



#27
1,2-Dichloroethane
Concen: 40.506 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 62 Resp: 144790
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5

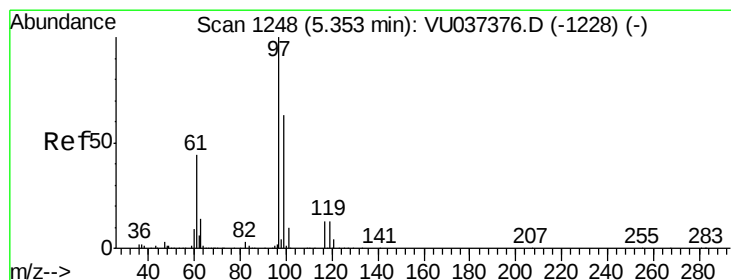
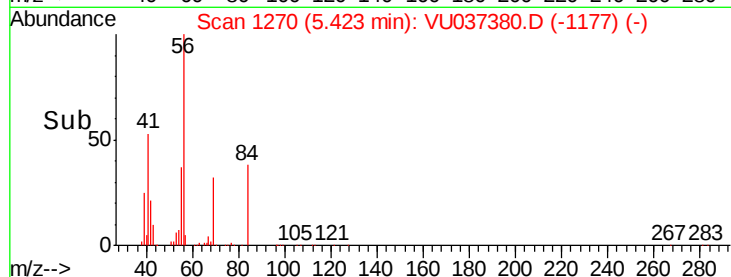
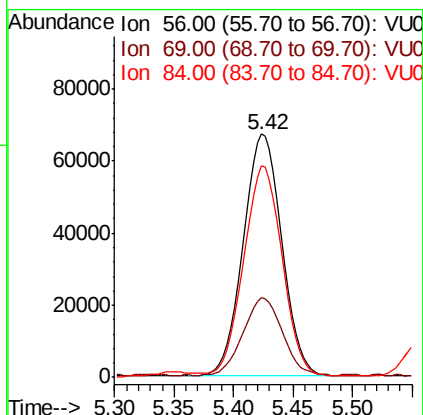
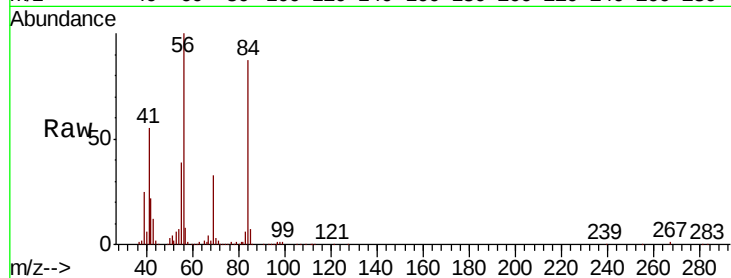




#29
Cyclohexane
Concen: 37.496 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

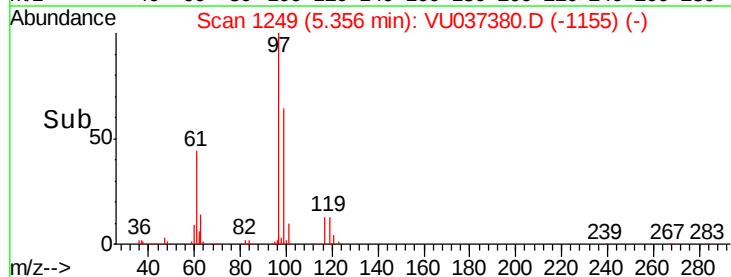
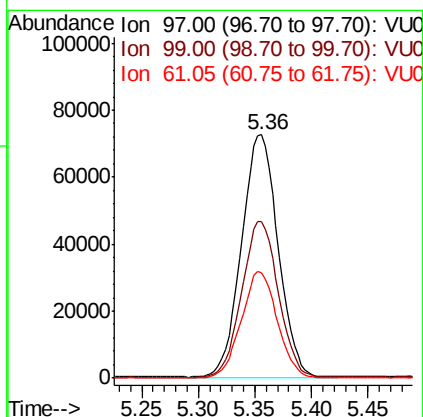
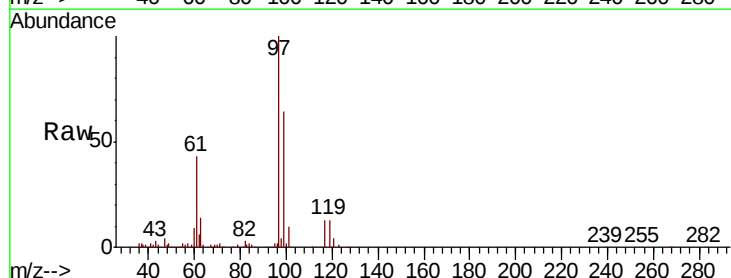
Instrument :
MSVOA_U
ClientSampleId :

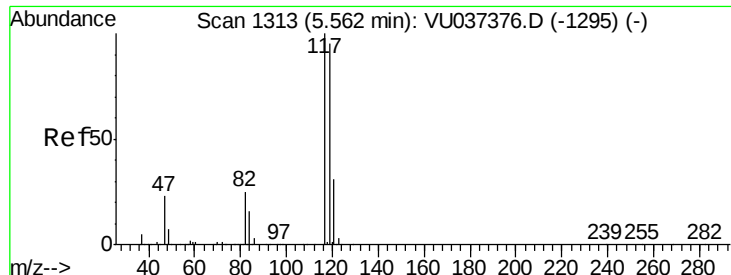
Tot Ion: 56 Resp: 150876
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.6
84 87.0 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 39.100 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 97 Resp: 162657
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 43.2 35.1 52.7

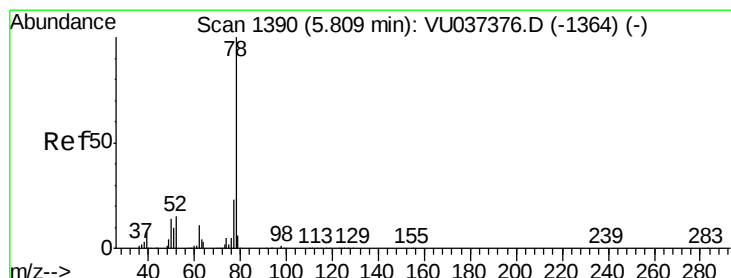
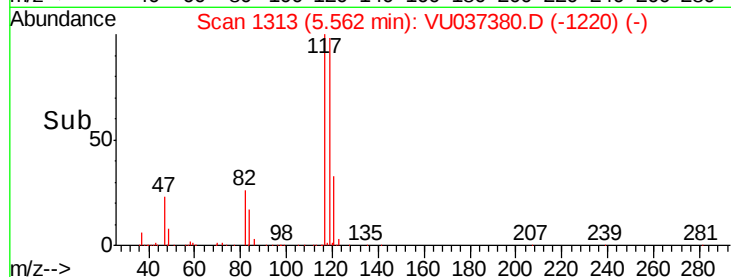
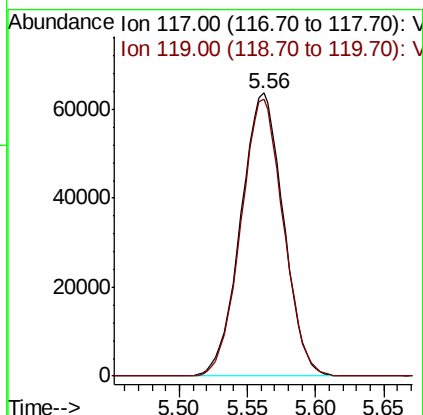
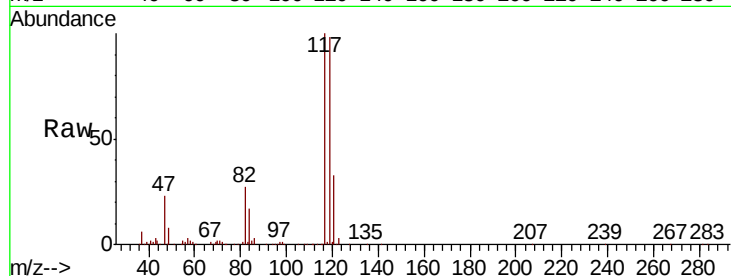




#31
Carbon tetrachloride
Concen: 38.423 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

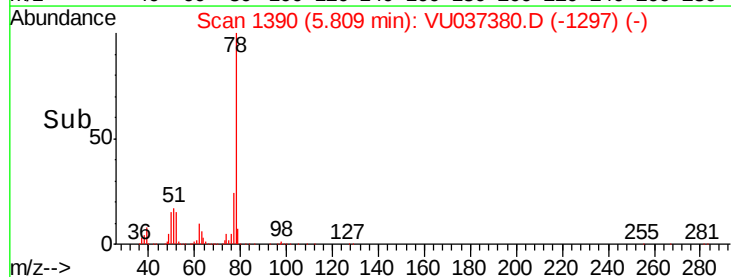
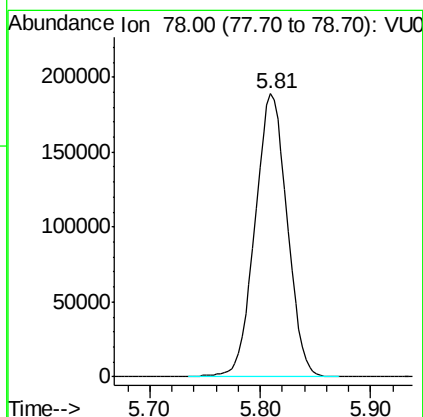
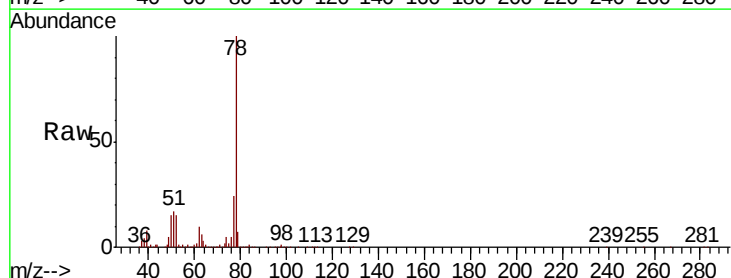
Instrument :
MSVOA_U
ClientSampleId :

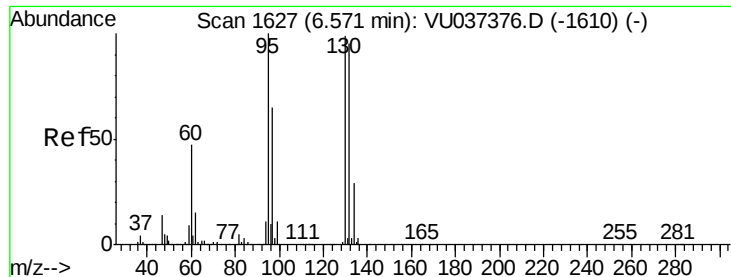
Tot Ion:117 Resp: 138066
Ion Ratio Lower Upper
117 100
119 97.4 77.7 116.5



#33
Benzene
Concen: 38.645 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion: 78 Resp: 381097

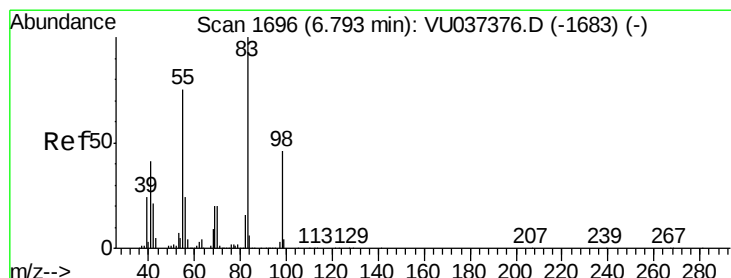
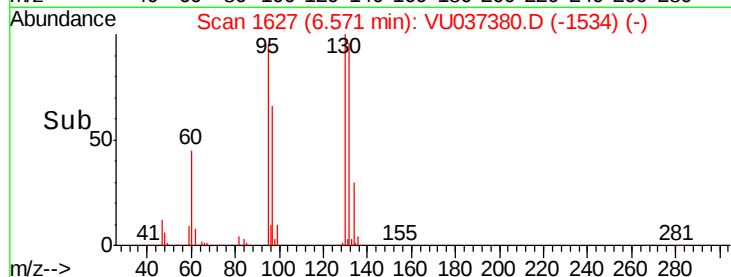
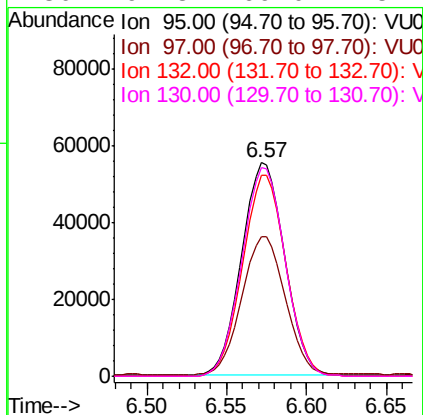
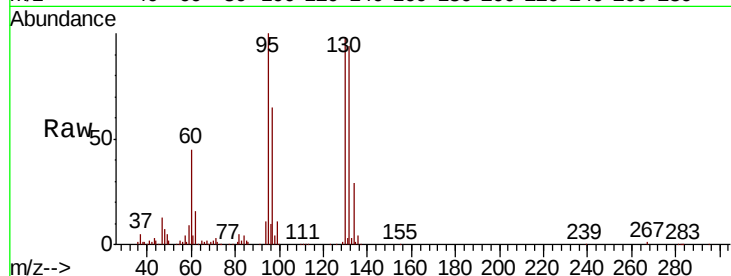




#34
 Trichloroethene
 Concen: 38.627 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

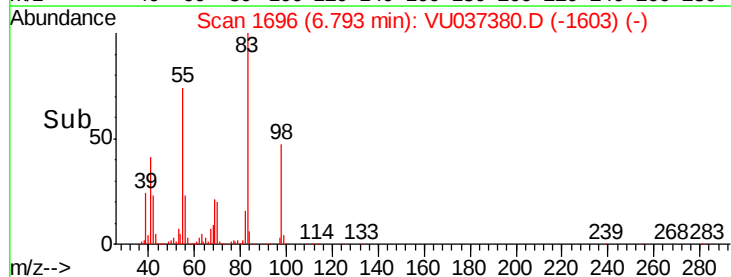
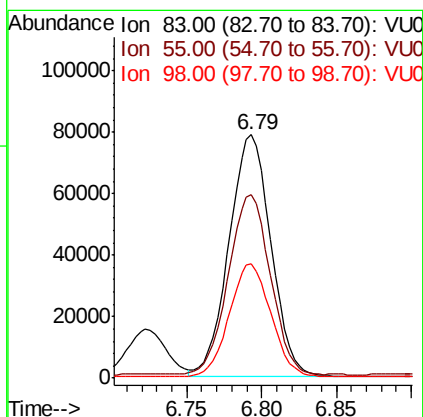
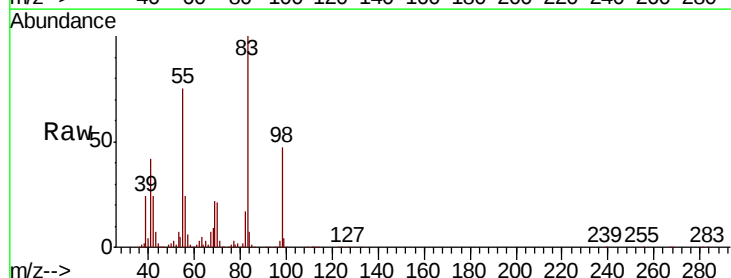
Instrument :
 MSVOA_U
 ClientSampleId :

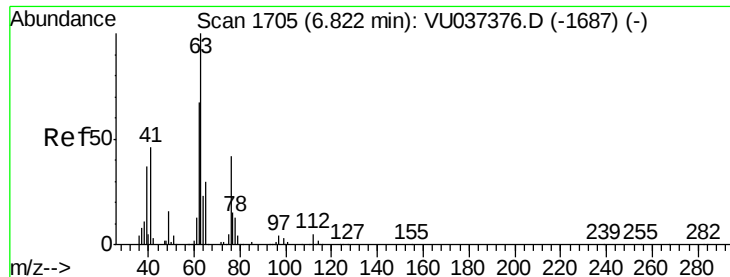
Tot Ion	95	Resp	101793
Ion	Ratio	Lower	Upper
95	100		
97	65.3	46.1	85.5
132	94.0	66.3	123.1
130	97.8	69.0	128.1



#35
 Methylcyclohexane
 Concen: 36.891 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion	83	Resp	153126
Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.1	90.1
98	46.7	36.9	55.3

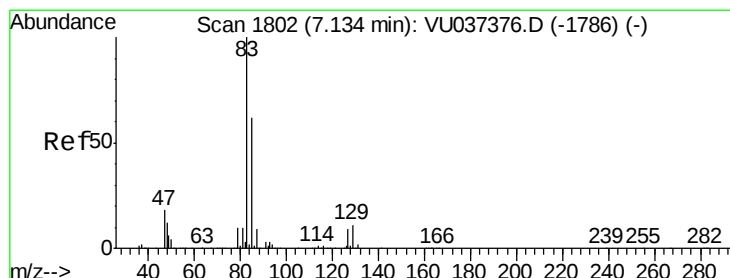
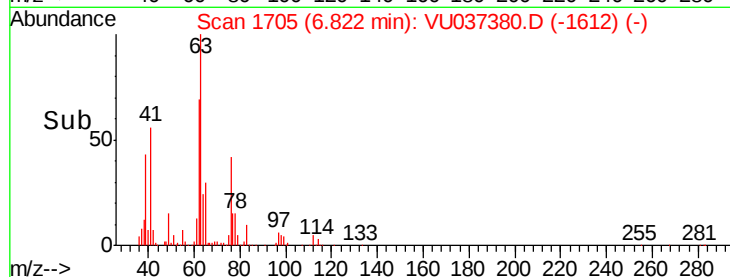
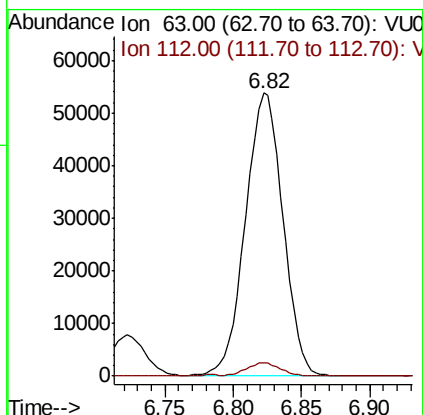
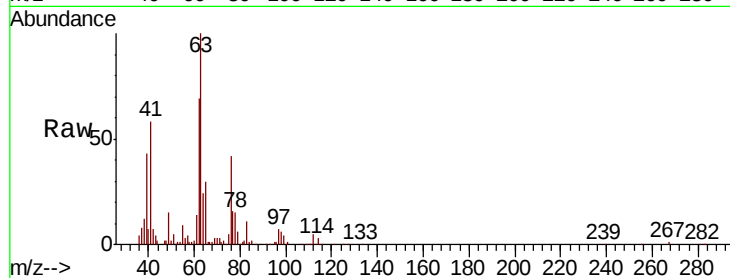




#37
 1,2-Dichloropropane
 Concen: 39.374 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

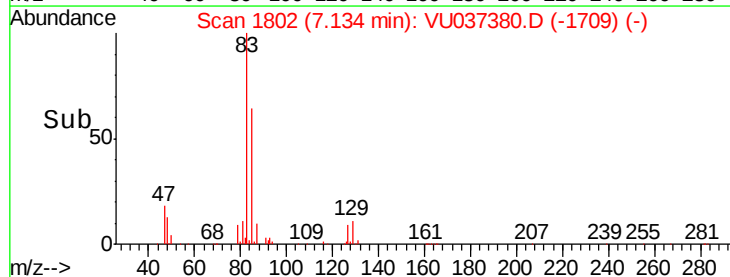
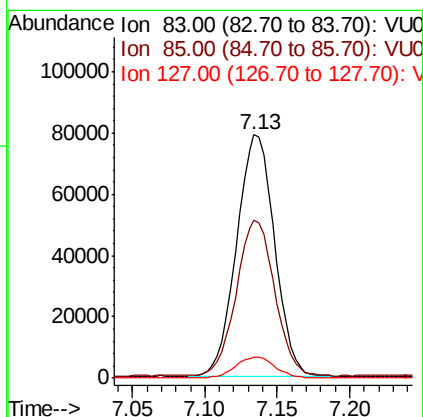
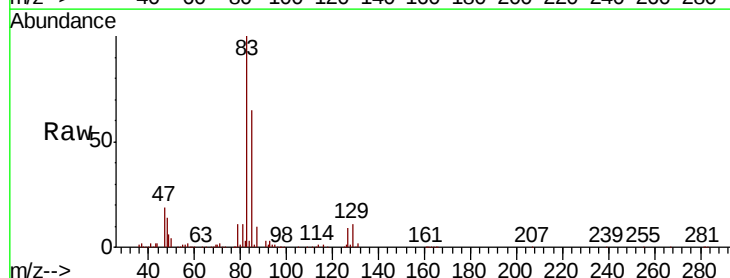
Instrument :
 MSVOA_U
 ClientSampleId :

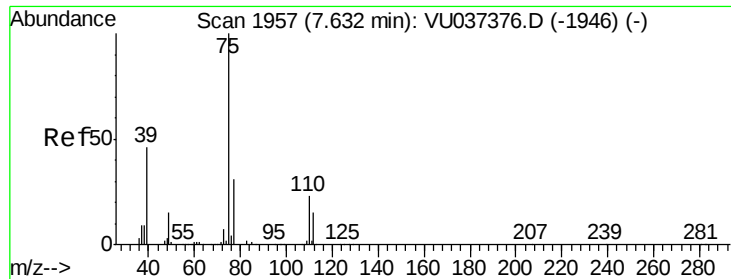
Tot Ion: 63 Resp: 103092
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.0



#38
 Bromodichloromethane
 Concen: 39.231 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion: 83 Resp: 143941
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.2 82.2
 127 8.7 7.8 11.6

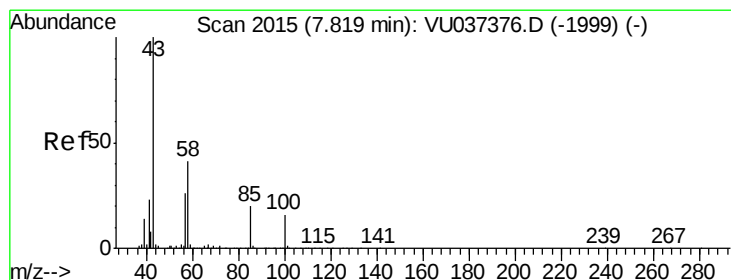
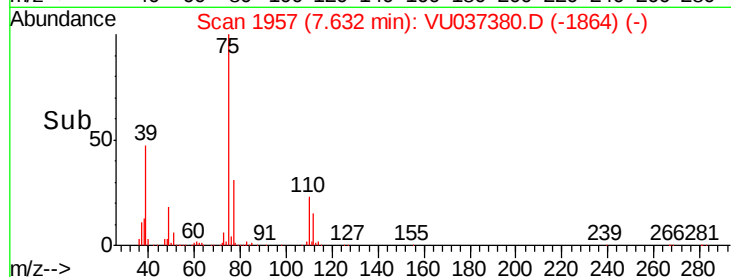
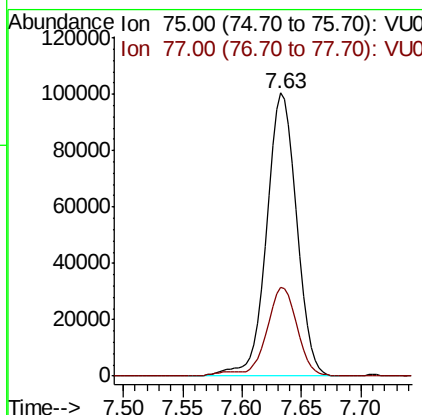
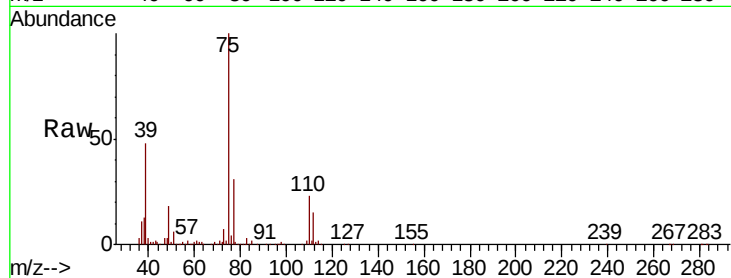




#39
 cis-1,3-Dichloropropene
 Concen: 39.886 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

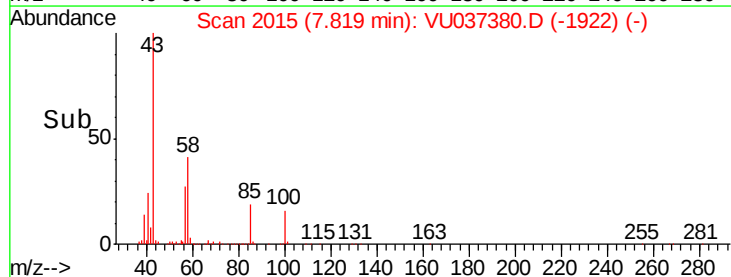
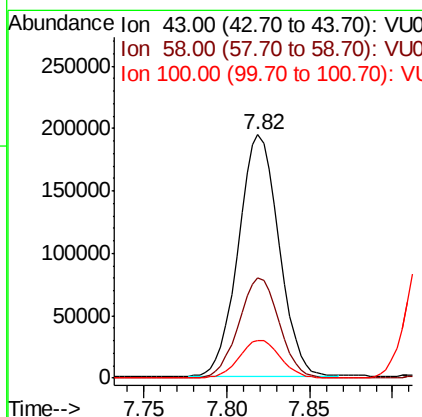
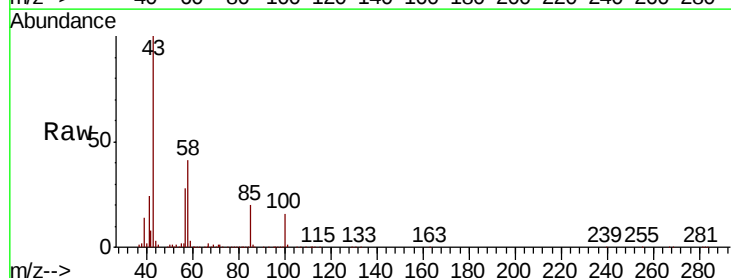
Instrument :
 MSVOA_U
 ClientSampleId :

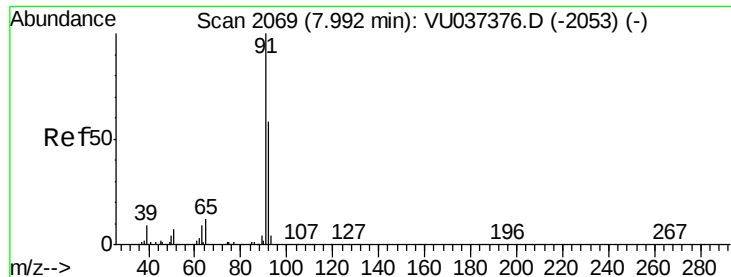
Tot Ion: 75 Resp: 175826
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 79.232 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion: 43 Resp: 327883
 Ion Ratio Lower Upper
 43 100
 58 41.3 0.0 0.0#
 100 15.9 0.0 0.0#





#42

Toluene

Concen: 39.424 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

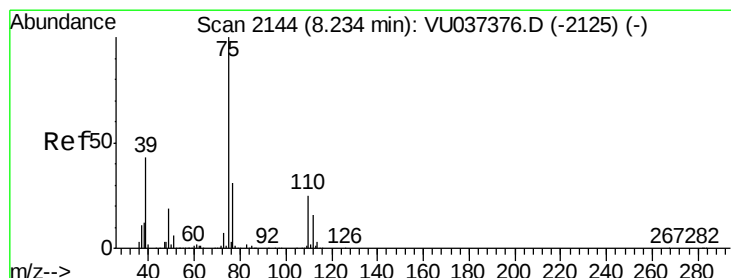
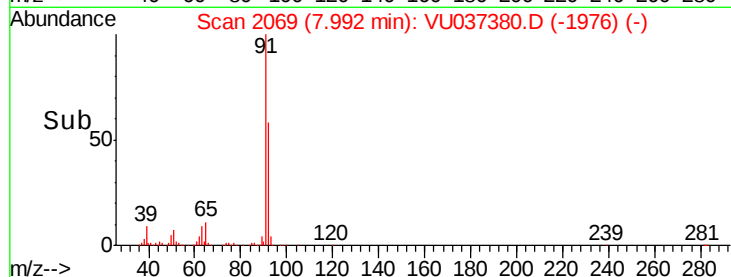
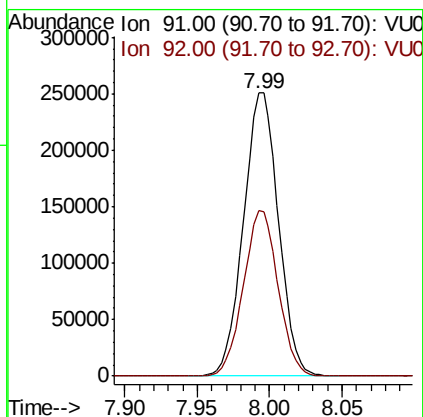
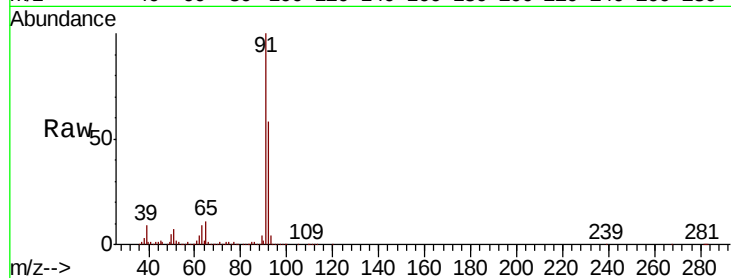
ClientSampleId :

Tot Ion: 91 Resp: 420946

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 39.278 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037380.D

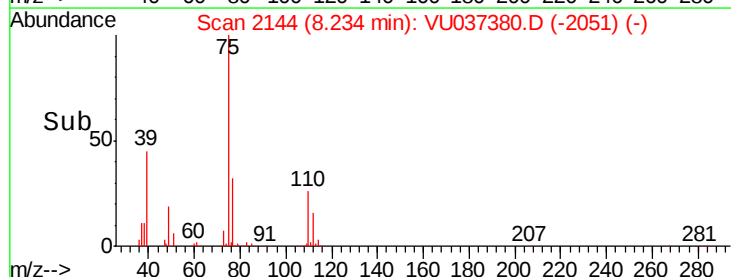
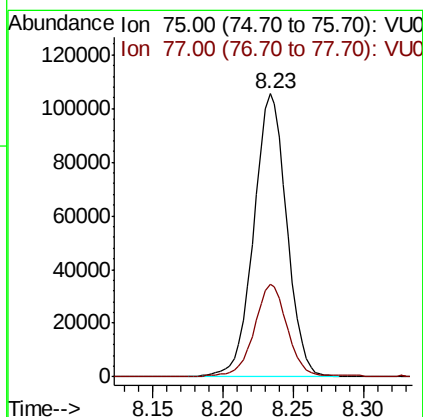
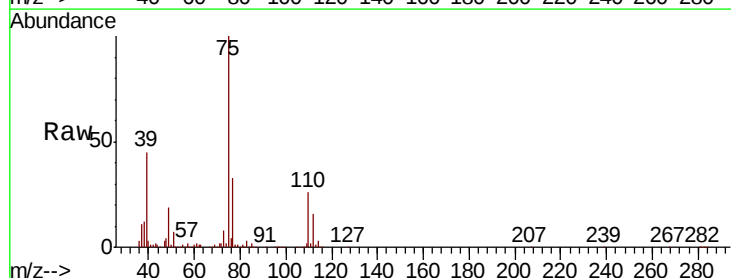
Acq: 27 Mar 2020 19:06

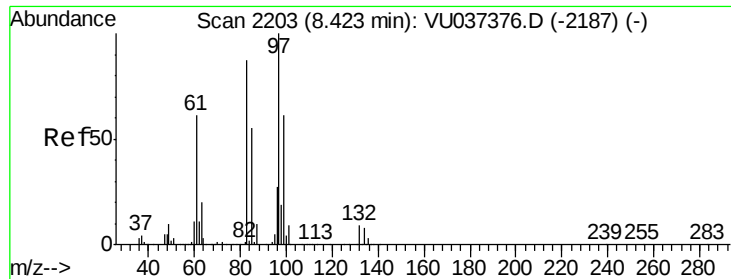
Tgt Ion: 75 Resp: 172636

Ion Ratio Lower Upper

75 100

77 32.8 21.9 40.7

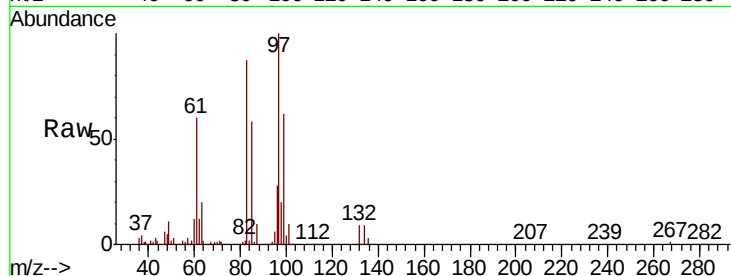




#45
1,1,2-Trichloroethane
Concen: 39.830 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	101037
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.4	78.6
83	87.2	61.3	113.9
85	58.3	39.3	73.1

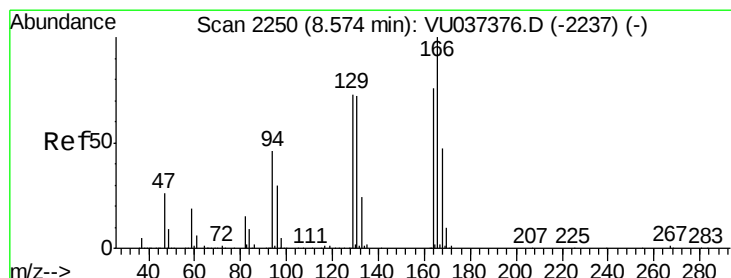
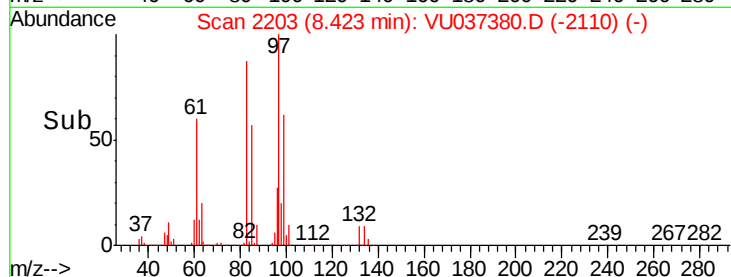
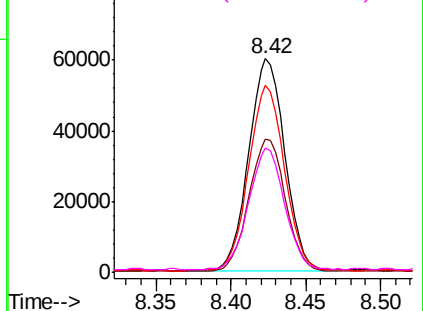


Abundance Ion 97.00 (96.70 to 97.70): VU037376.D (-2187) (-)

Ion 99.00 (98.70 to 99.70): VU037376.D (-2187) (-)

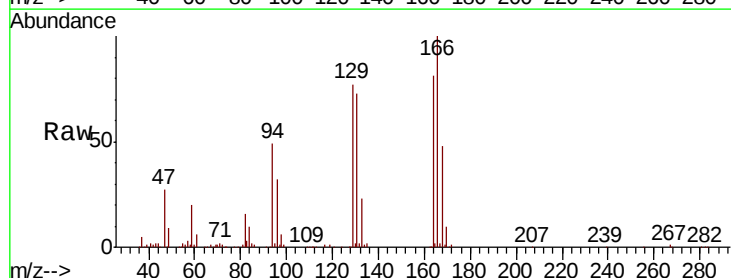
Ion 83.00 (82.70 to 83.70): VU037376.D (-2187) (-)

Ion 85.00 (84.70 to 85.70): VU037376.D (-2187) (-)



#46
Tetrachloroethene
Concen: 39.533 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion:	164	Resp:	79989
Ion	Ratio	Lower	Upper
164	100		
129	94.7	67.8	126.0
131	90.1	66.1	122.8
166	123.1	92.1	171.1

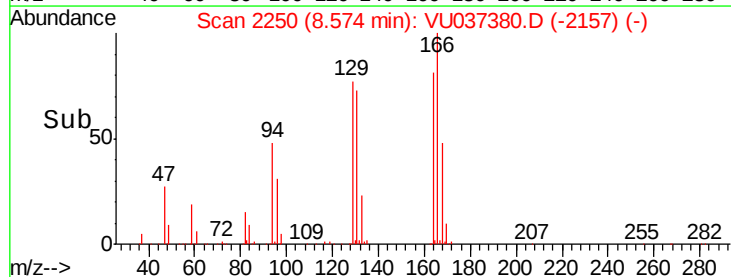
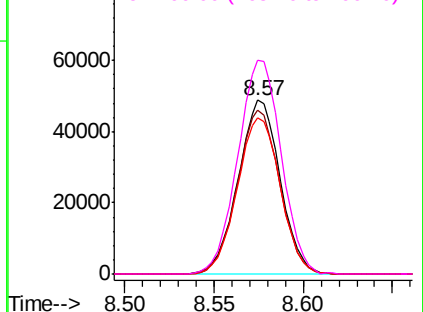


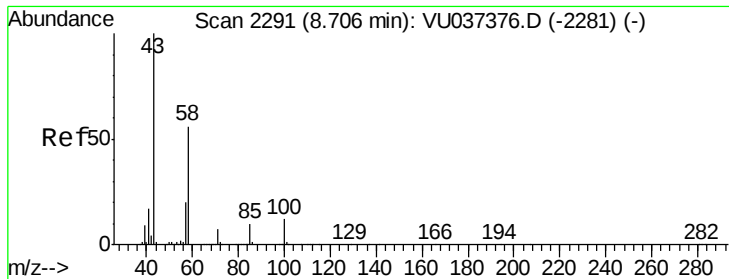
Abundance Ion 164.00 (163.70 to 164.70): VU037376.D (-2237) (-)

Ion 129.00 (128.70 to 129.70): VU037376.D (-2237) (-)

Ion 131.00 (130.70 to 131.70): VU037376.D (-2237) (-)

Ion 166.00 (165.70 to 166.70): VU037376.D (-2237) (-)

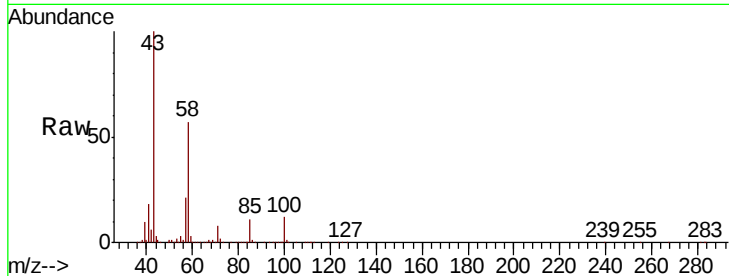




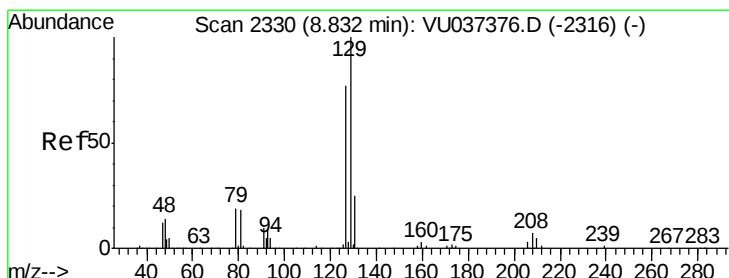
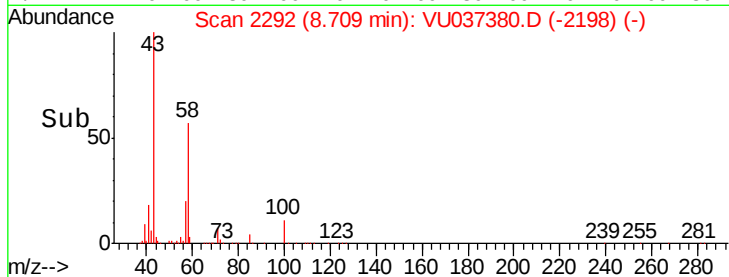
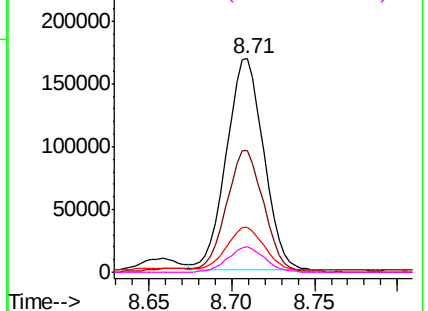
#48
2-Hexanone
Concen: 80.764 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	263214
Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.3	67.9
57	20.2	16.2	24.2
100	11.9	9.7	14.5

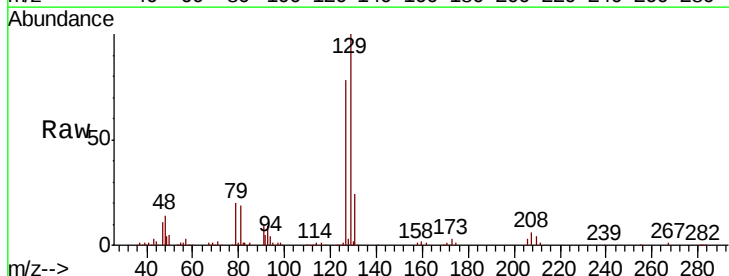


Abundance Ion 43.00 (42.70 to 43.70): VU037376.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU037376.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU037376.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU037376.D (-2281) (-)

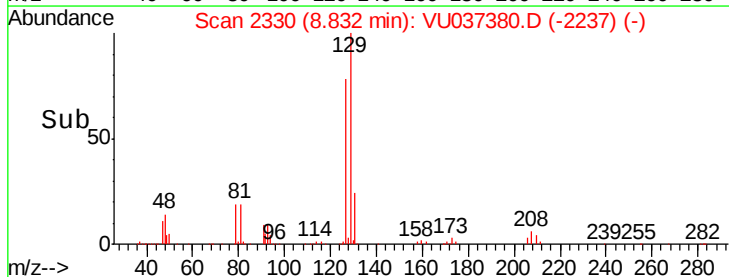
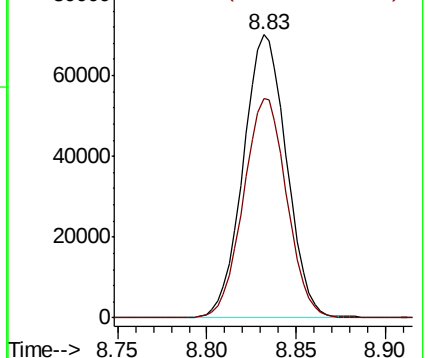


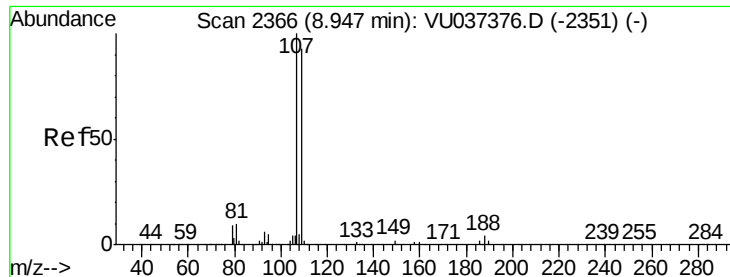
#49
Dibromochloromethane
Concen: 38.948 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037380.D
Acq: 27 Mar 2020 19:06

Tgt Ion:	129	Resp:	119183
Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.9	100.1



Abundance Ion 129.00 (128.70 to 129.70): VU037376.D (-2316) (-)
Ion 127.00 (126.70 to 127.70): VU037376.D (-2316) (-)

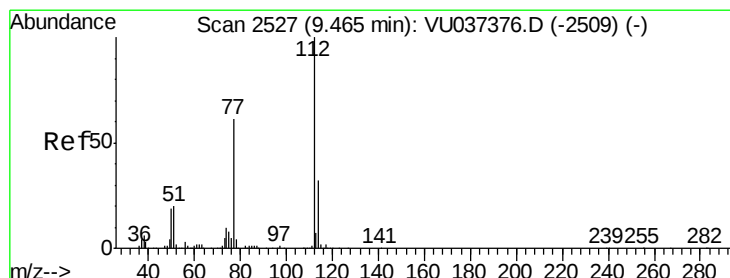
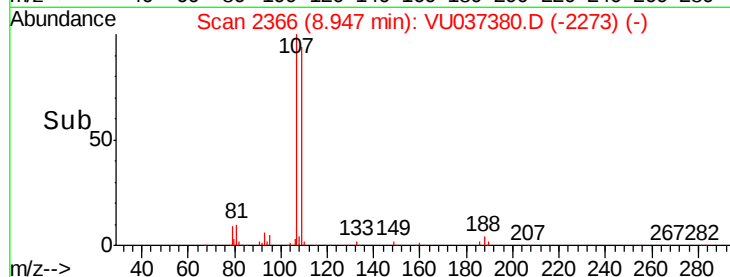
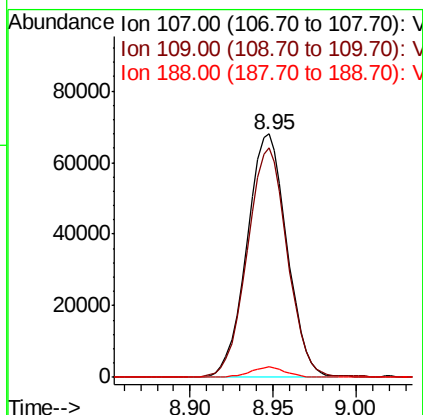
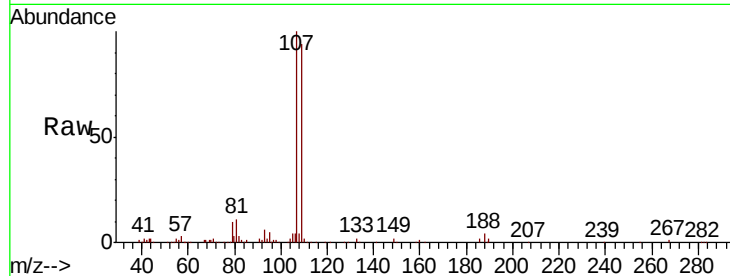




#50
 1,2-Dibromoethane
 Concen: 39.211 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

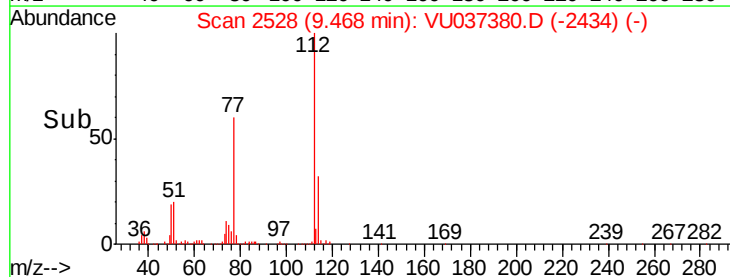
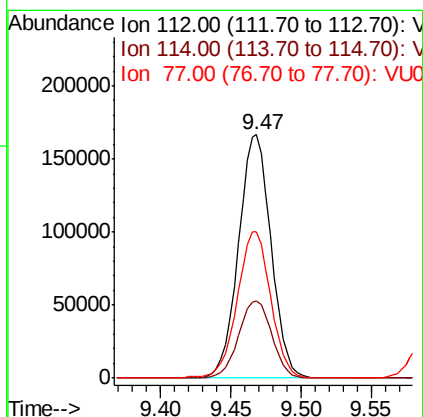
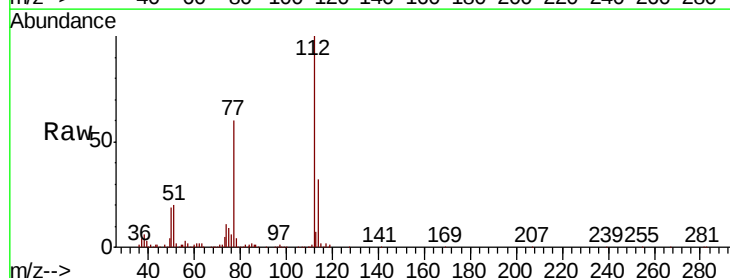
Instrument :
 MSVOA_U
 ClientSampleId :

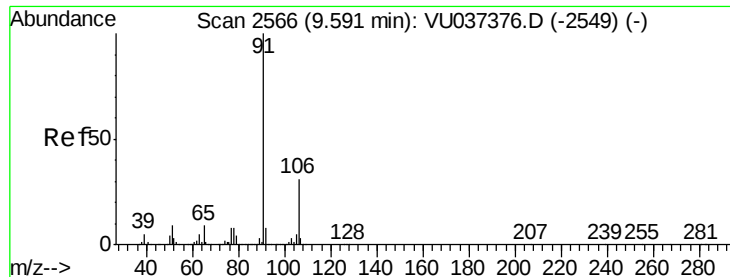
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.1	120.9
188	4.2	3.0	4.4



#51
 Chlorobenzene
 Concen: 39.457 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.3	41.5
77	60.1	48.6	72.8





#52

Ethylbenzene

Concen: 39.682 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

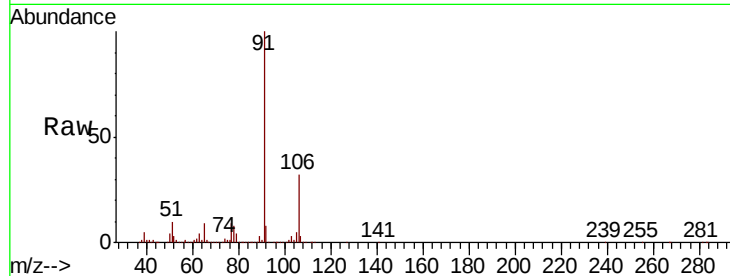
ClientSampleId :

Tot Ion: 91 Resp: 476021

Ion Ratio Lower Upper

91 100

106 31.6 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU037376.D (-2549) (-)

Ion 106.00 (105.70 to 106.70): VU037376.D (-2549) (-)

9.59

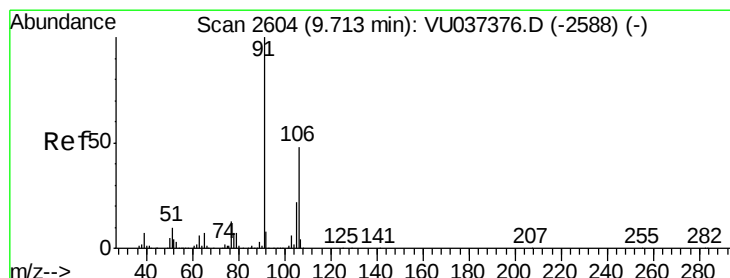
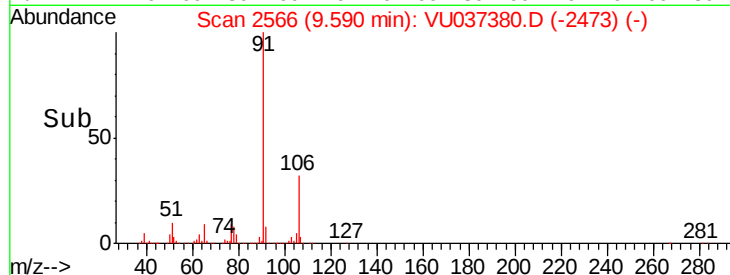
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 39.973 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037380.D

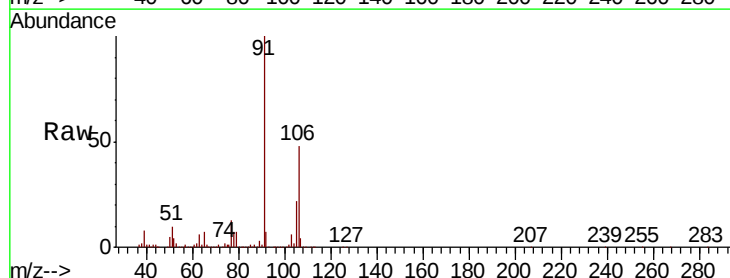
Acq: 27 Mar 2020 19:06

Tgt Ion: 106 Resp: 183495

Ion Ratio Lower Upper

106 100

91 210.4 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): VU037376.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VU037376.D (-2588) (-)

9.71

250000

200000

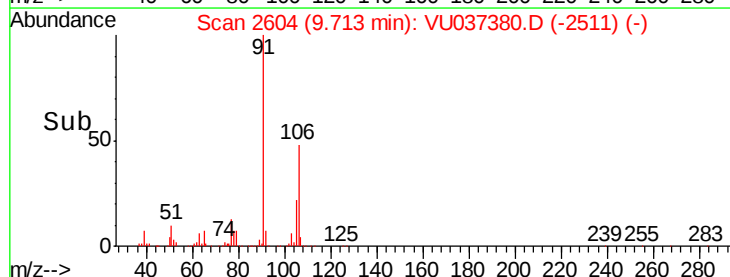
150000

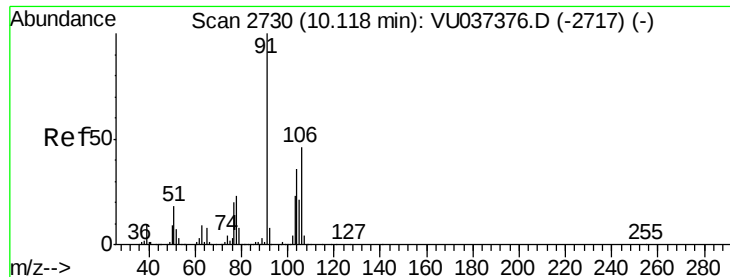
100000

50000

0

Time-->





#54

o-xylene

Concen: 40.404 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

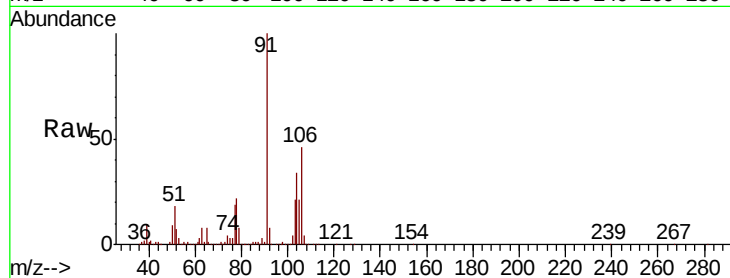
ClientSampleId :

Tot Ion:106 Resp: 180763

Ion Ratio Lower Upper

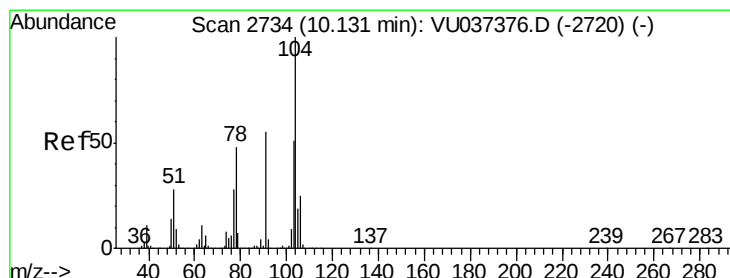
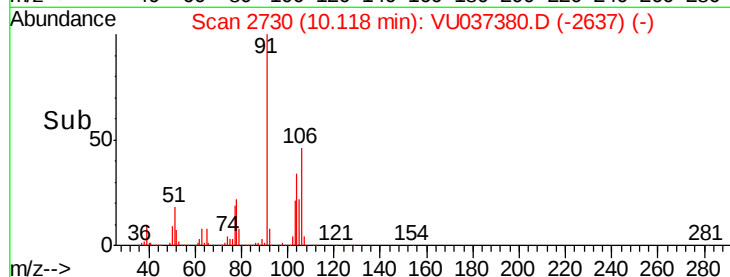
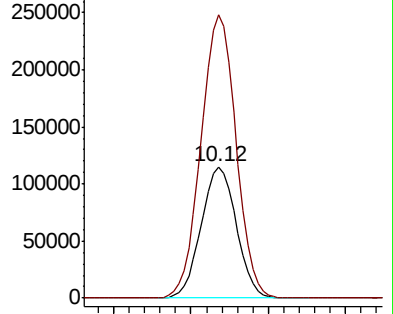
106 100

91 215.3 153.6 285.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 39.760 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037380.D

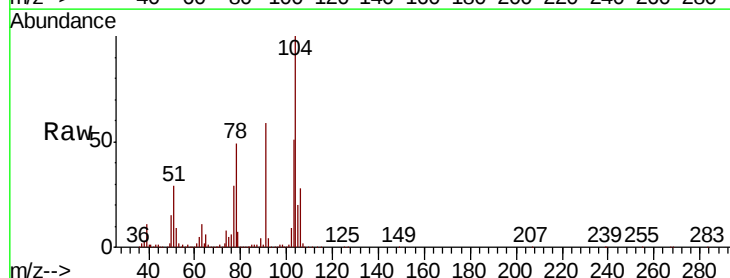
Acq: 27 Mar 2020 19:06

Tgt Ion:104 Resp: 312352

Ion Ratio Lower Upper

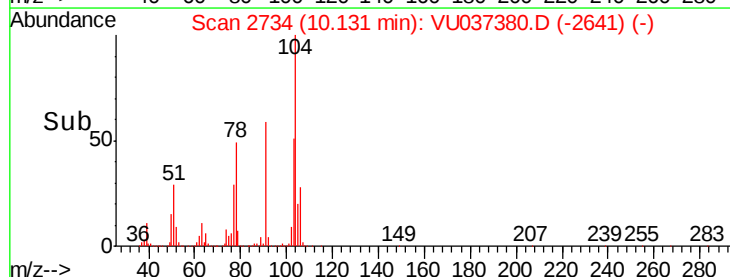
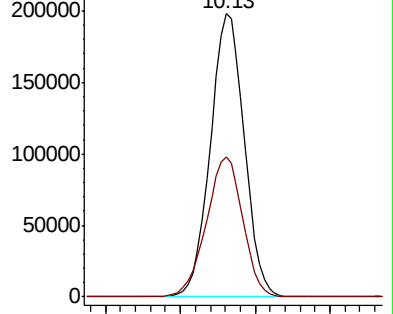
104 100

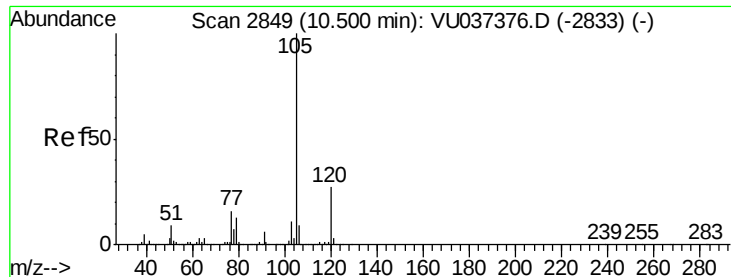
78 49.4 34.0 63.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 39.227 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037380.D

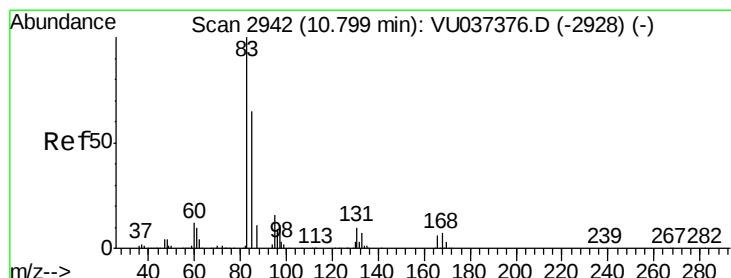
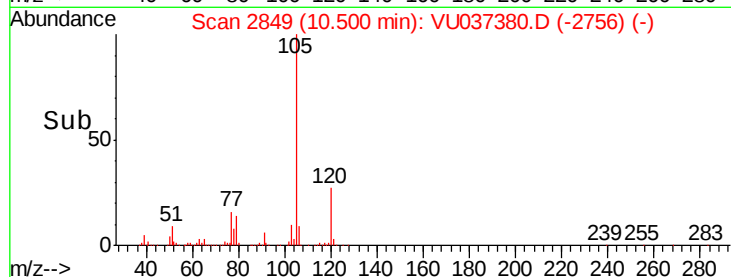
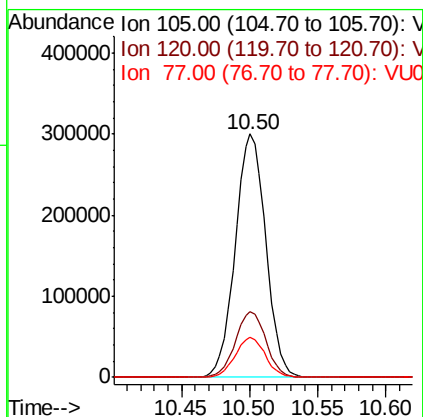
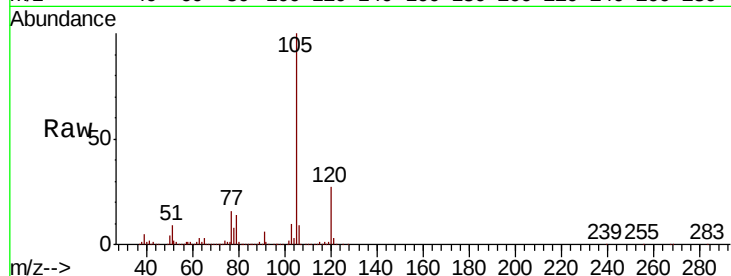
Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	105	Resp:	464529
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.5	32.3
77	16.4	12.6	19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 39.554 ug/L

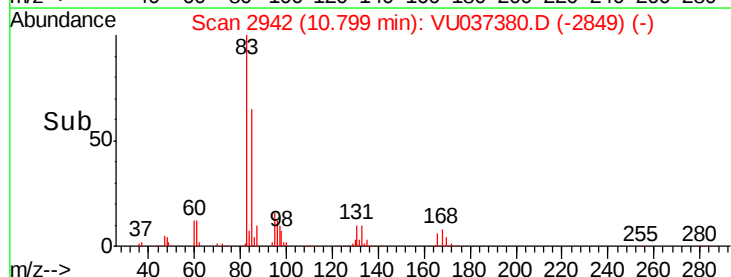
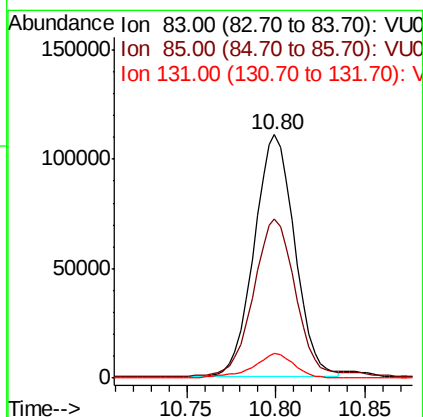
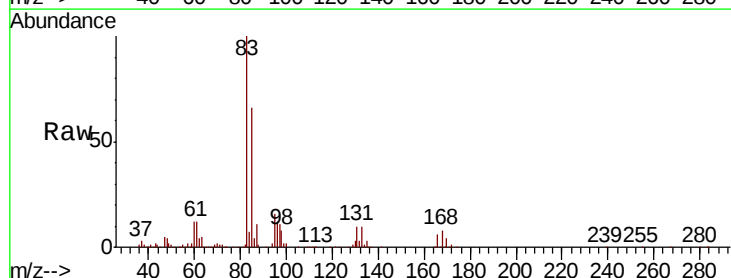
RT: 10.80 min Scan# 2942

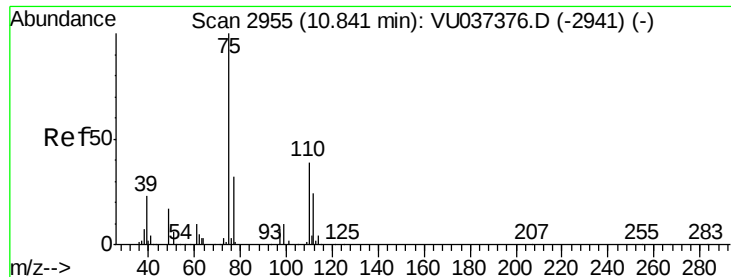
Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Tgt Ion:	83	Resp:	176160
Ion	Ratio	Lower	Upper
83	100		
85	65.6	46.1	85.5
131	10.0	8.0	12.0





#59

1,2,3-Trichloropropane

Concen: 39.534 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

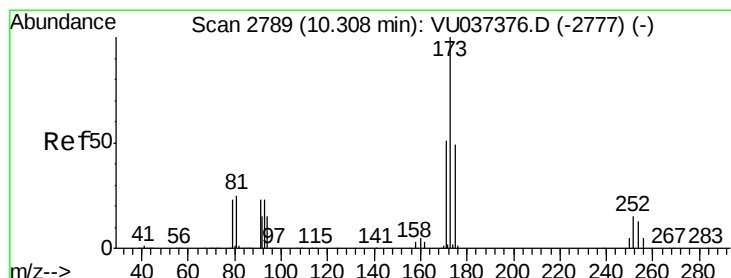
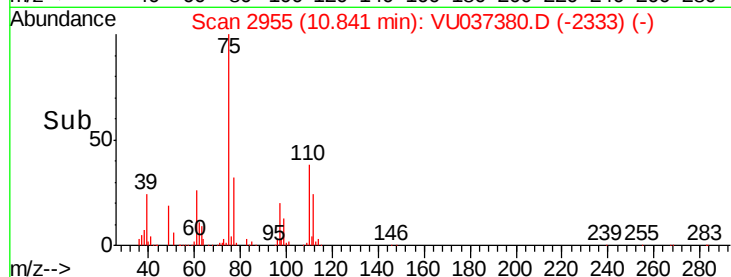
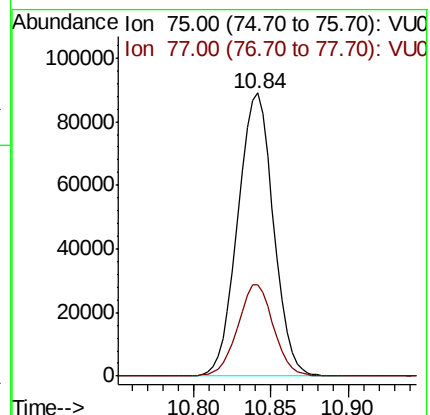
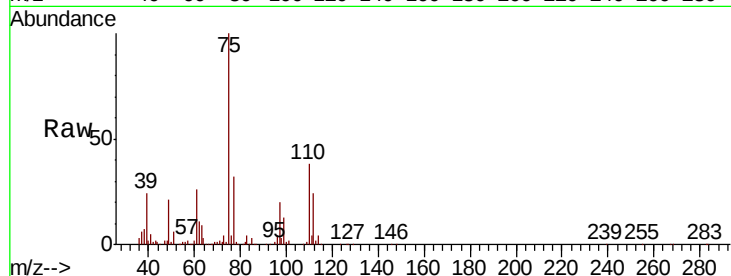
ClientSampleId :

Tot Ion: 75 Resp: 142374

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



#61

Bromoform

Concen: 39.116 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

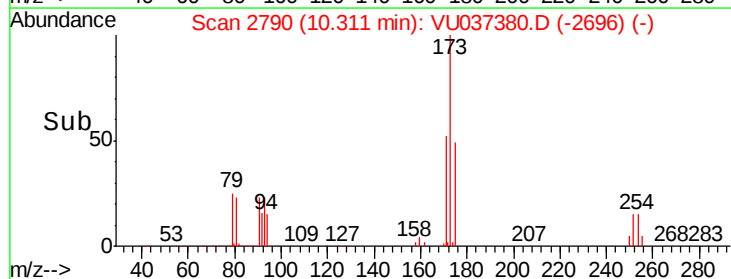
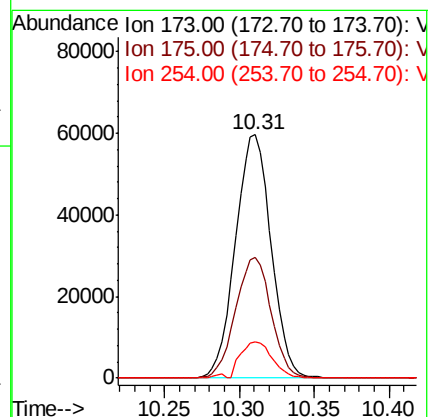
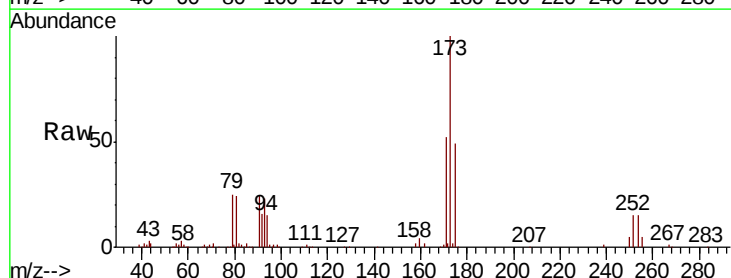
Tgt Ion: 173 Resp: 99101

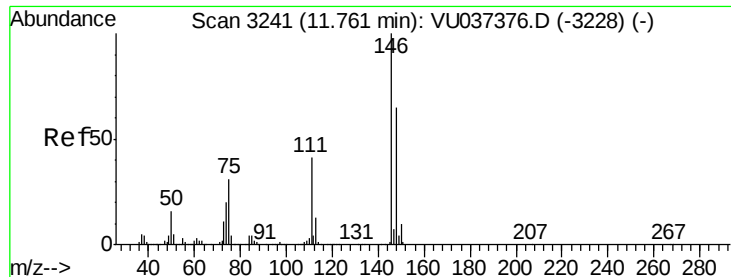
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 13.3 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 39.202 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

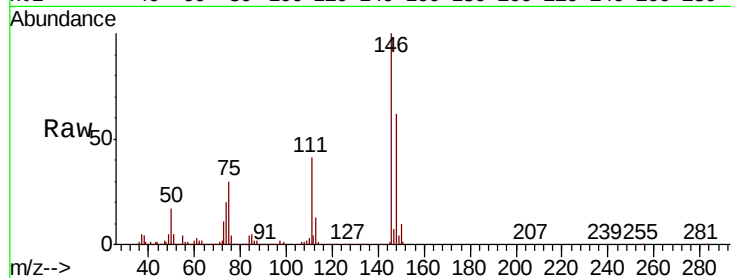
Tot Ion:146 Resp: 221300

Ion Ratio Lower Upper

146 100

111 40.5 29.1 54.1

148 62.3 45.2 84.0

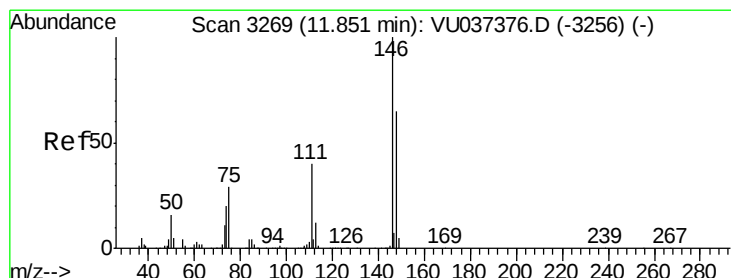
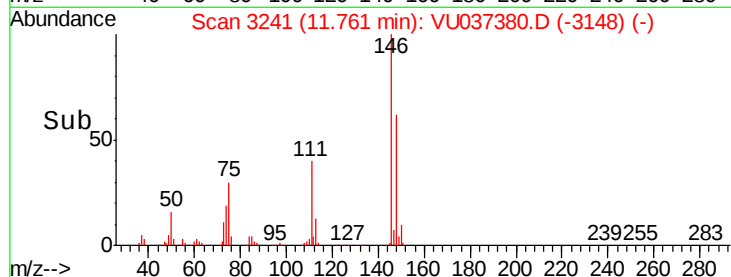
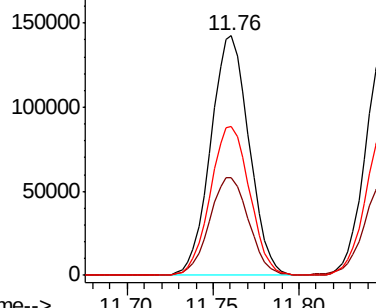


Abundance

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: 39.617 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

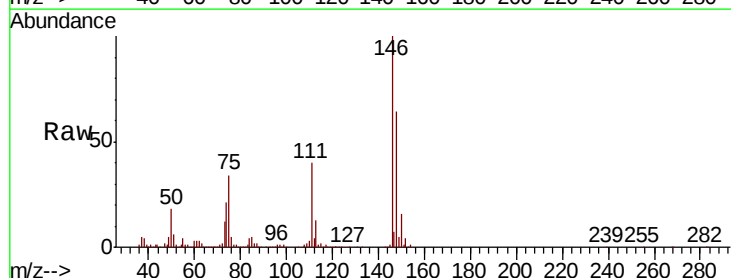
Tgt Ion:146 Resp: 223136

Ion Ratio Lower Upper

146 100

111 39.9 28.4 52.8

148 64.4 45.6 84.8

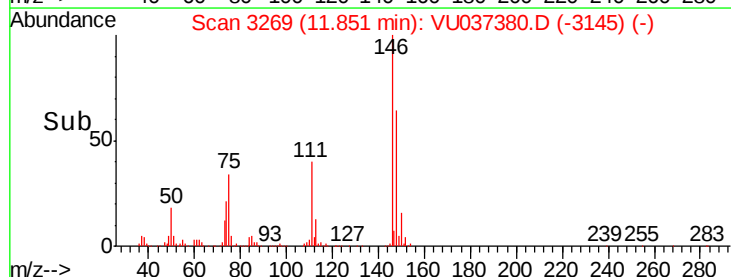
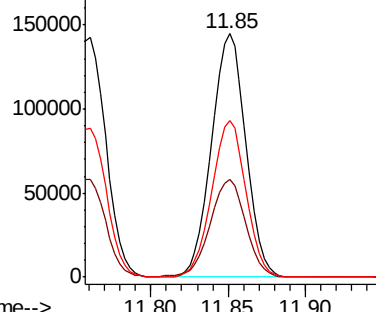


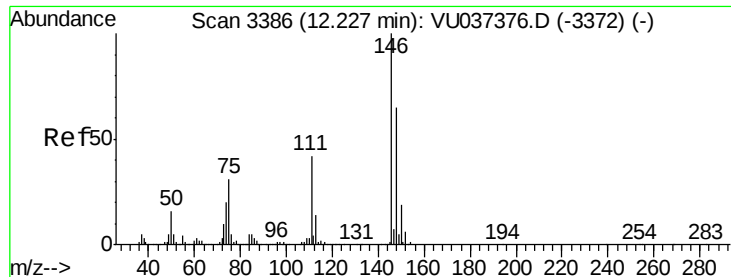
Abundance

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

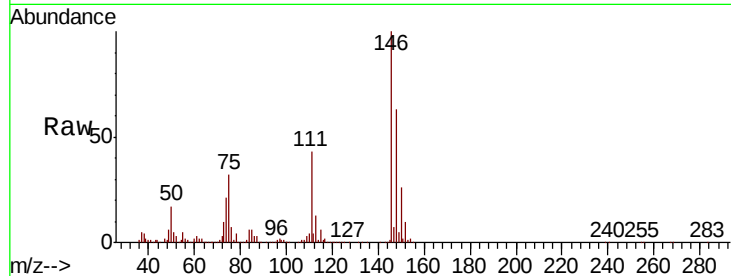




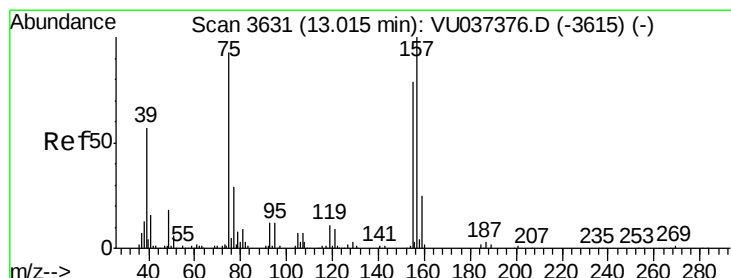
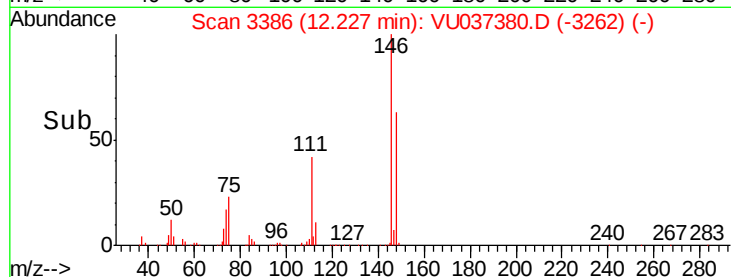
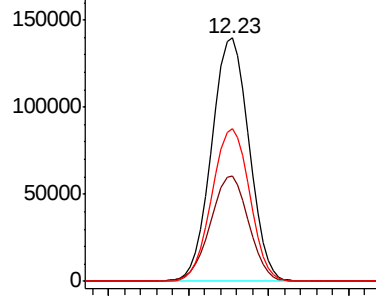
#65
 1,2-Dichlorobenzene
 Concen: 39.947 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	33.6	50.4
148	62.9	51.9	77.9

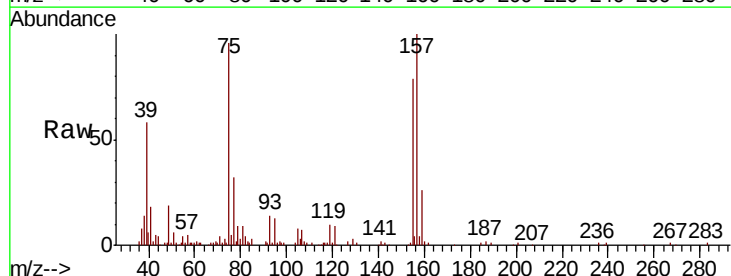


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

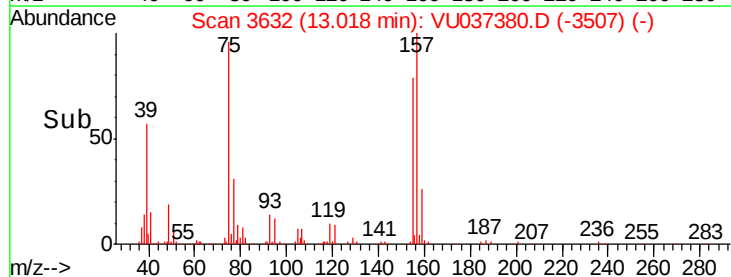
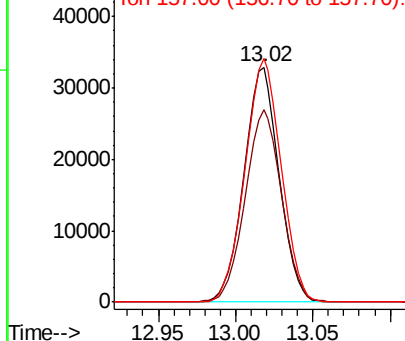


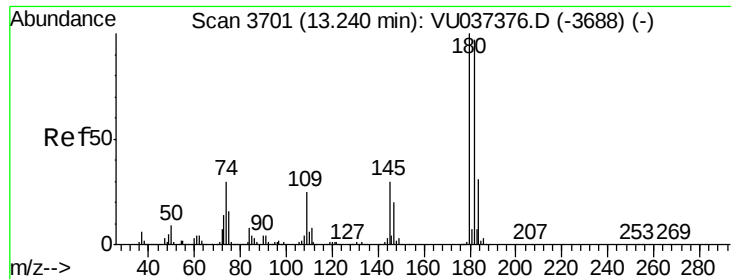
#66
 1,2-Dibromo-3-chloropropane
 Concen: 39.686 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	68.5	102.7
157	103.7	86.5	129.7



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

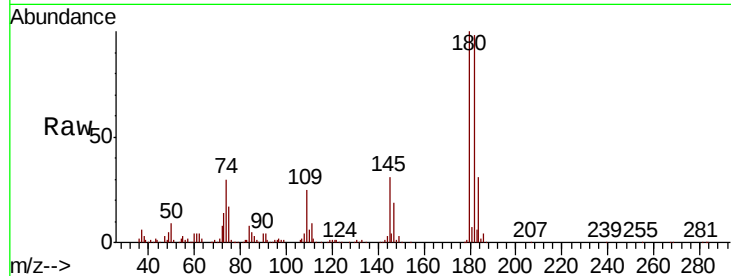




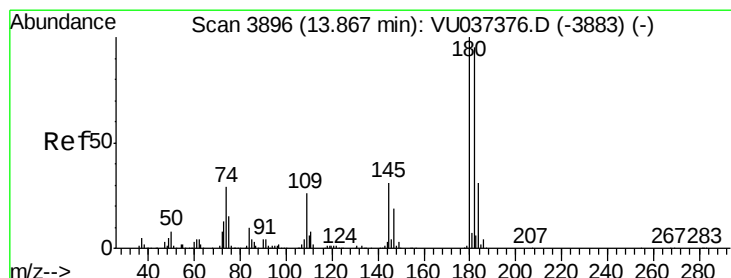
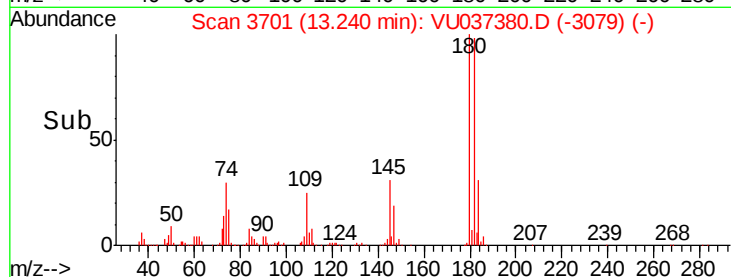
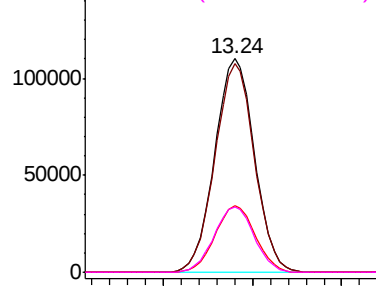
#67
 1,3,5-Trichlorobenzene
 Concen: 39.054 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	171145
Ion Ratio	Lower	Upper
180	100	
182	96.9	77.3 115.9
184	31.5	24.6 37.0
145	30.8	23.6 35.4

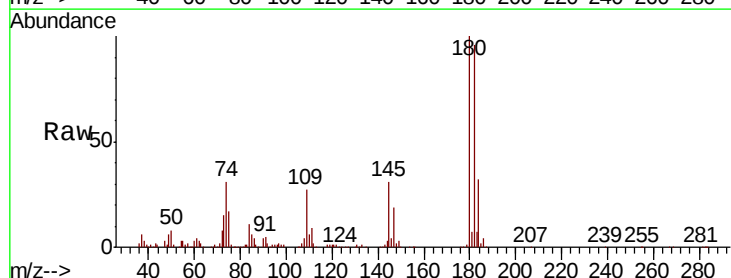


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

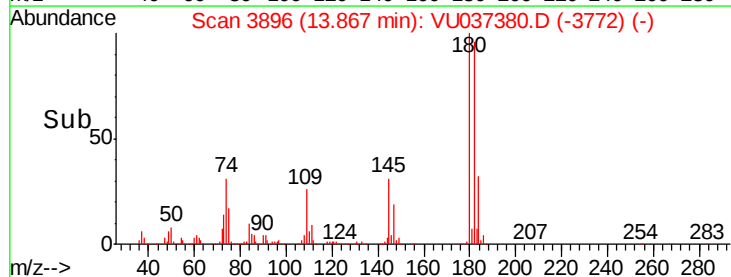
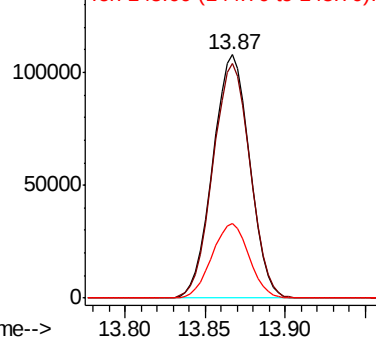


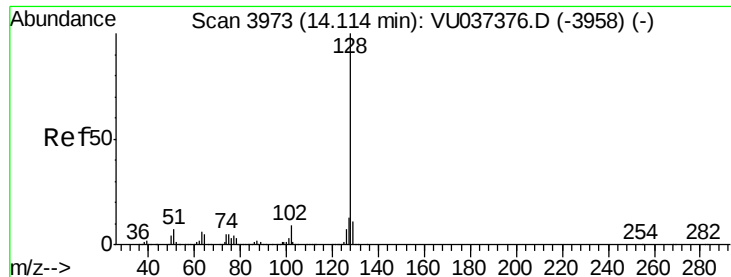
#68
 1,2,4-trichlorobenzene
 Concen: 39.440 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037380.D
 Acq: 27 Mar 2020 19:06

Tgt Ion:180	Resp:	169917
Ion Ratio	Lower	Upper
180	100	
182	97.1	76.4 114.6
145	30.8	24.6 36.8



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





#69

Naphthalene

Concen: 40.872 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

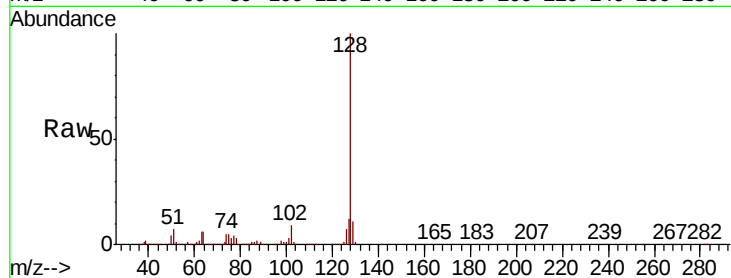
Tot Ion:128 Resp: 593363

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

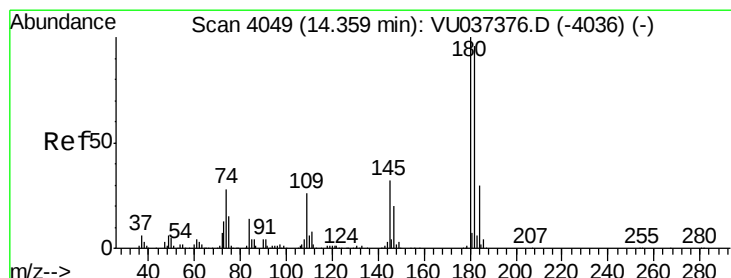
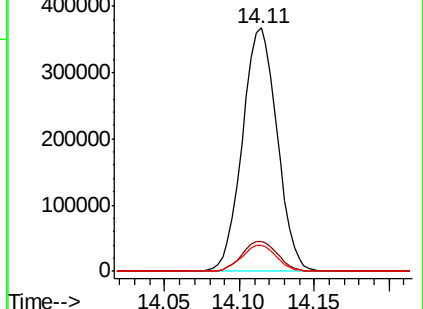
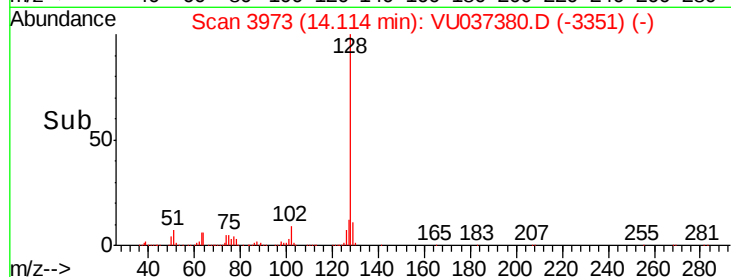
129 10.9 8.8 13.2



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: 39.975 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037380.D

Acq: 27 Mar 2020 19:06

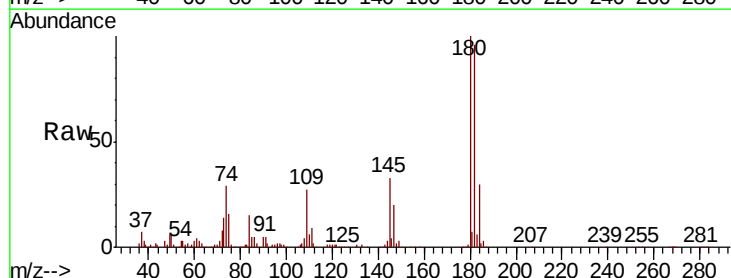
Tgt Ion:180 Resp: 172612

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 32.0 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

