

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\
 Data File : VU038017.D
 Acq On : 06 May 2020 10:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 01:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 04 14:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	631951	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	620841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	302637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204734	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.66%
7) Chloroethane-d5	1.93	69	185876	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.22%
11) 1,1-Dichloroethene-d2	2.59	63	363605	39.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.98%
21) 2-Butanone-d5	4.66	46	397069	91.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.40%
24) Chloroform-d	5.10	84	378055	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.84%
26) 1,2-Dichloroethane-d4	5.74	65	256337	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
32) Benzene-d6	5.76	84	768095	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
36) 1,2-Dichloropropane-d6	6.72	67	265617	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.56%
41) Toluene-d8	7.92	98	697848	41.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.14%
43) trans-1,3-Dichloropropene-	8.20	79	123089	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.52%
47) 2-Hexanone-d5	8.65	63	232027	87.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.93%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	391100	44.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	265883	42.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	217401	44.216	ug/L	99
3) Chloromethane	1.53	50	250243	40.160	ug/L	99
5) Vinyl chloride	1.62	62	266513	42.093	ug/L	99
6) Bromomethane	1.87	94	123116	40.825	ug/L	98
8) Chloroethane	1.95	64	163526	42.945	ug/L	98
9) Trichlorofluoromethane	2.16	101	292640	44.470	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	185312	45.820	ug/L	98
12) 1,1-Dichloroethene	2.60	96	177387	42.858	ug/L	98
13) Acetone	2.65	43	279123	99.748	ug/L	99
14) Carbon disulfide	2.82	76	559958	40.843	ug/L	98
15) Methyl Acetate	2.98	43	259311	42.561	ug/L	100
16) Methylene chloride	3.08	84	209361	42.913	ug/L	97
17) trans-1,2-Dichloroethene	3.38	96	189138	42.326	ug/L	100
18) Methyl tert-butyl Ether	3.40	73	625110	42.043	ug/L	100
19) 1,1-Dichloroethane	3.91	63	383162	43.044	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	211871	42.880	ug/L	100
22) 2-Butanone	4.74	43	399314	88.168	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\
 Data File : VU038017.D
 Acq On : 06 May 2020 10:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 01:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 04 14:36:07 2020
 Response via : Initial Calibration

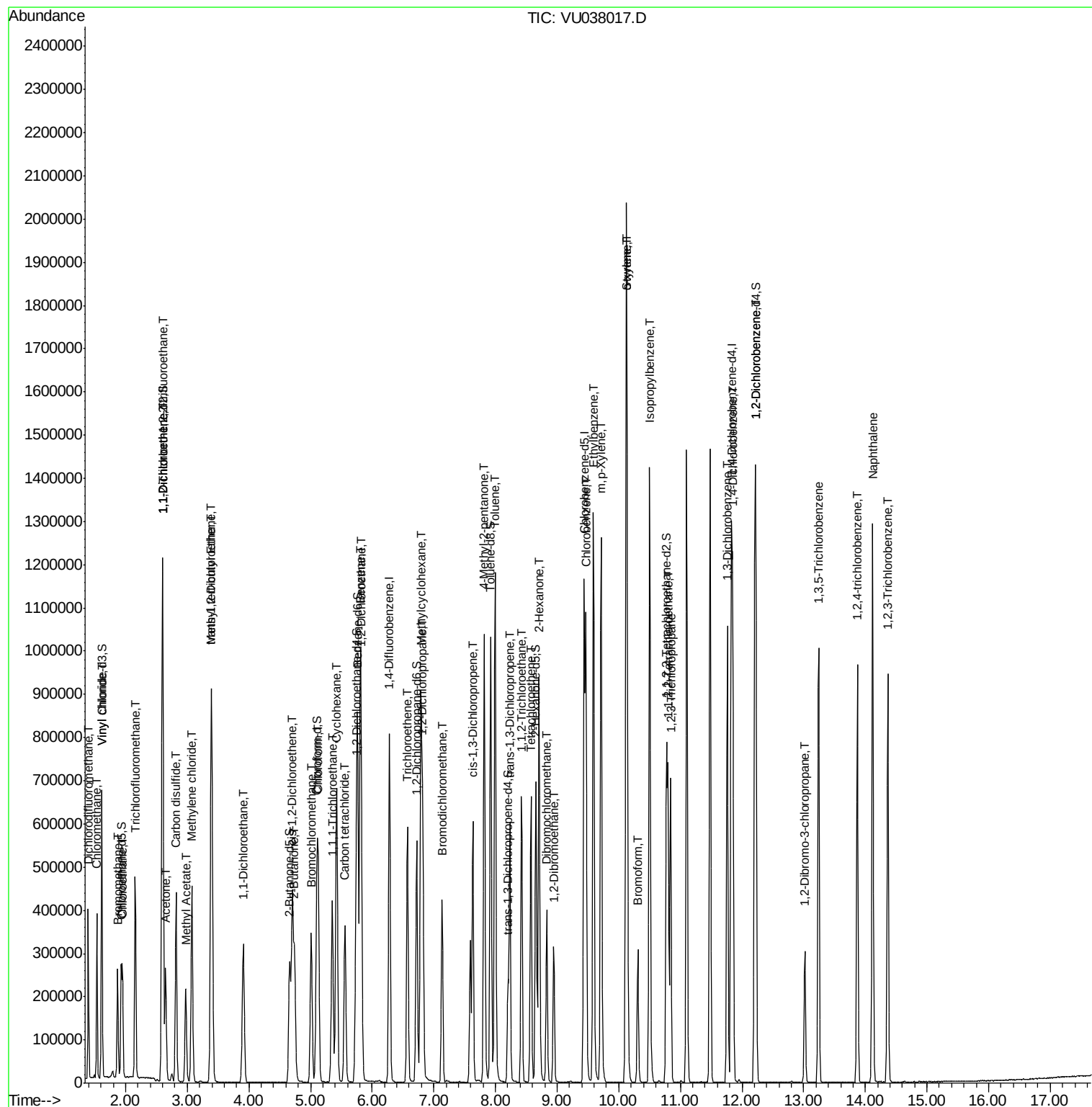
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	101256	43.567	ug/L	97
25) Chloroform	5.12	83	366954	42.944	ug/L	99
27) 1,2-Dichloroethane	5.83	62	299720	42.418	ug/L	99
29) Cyclohexane	5.42	56	361008	44.501	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	299905	43.458	ug/L	98
31) Carbon tetrachloride	5.56	117	241782	44.382	ug/L	99
33) Benzene	5.81	78	827485	42.636	ug/L	100
34) Trichloroethene	6.57	95	200541	42.611	ug/L	99
35) Methylcyclohexane	6.79	83	360924	45.655	ug/L	98
37) 1,2-Dichloropropane	6.82	63	226694	43.688	ug/L	100
38) Bromodichloromethane	7.13	83	271152	43.038	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	348553	43.820	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	701111	83.392	ug/L	99
42) Toluene	7.99	91	877447	43.031	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	317127	42.704	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	201635	42.904	ug/L	98
46) Tetrachloroethene	8.58	164	144380	42.019	ug/L	99
48) 2-Hexanone	8.71	43	597466	86.233	ug/L	99
49) Dibromochloromethane	8.83	129	197084	43.484	ug/L	100
50) 1,2-Dibromoethane	8.95	107	206497	40.903	ug/L #	96
51) Chlorobenzene	9.47	112	545315	42.951	ug/L	100
52) Ethylbenzene	9.59	91	979361	43.328	ug/L	100
53) m,p-Xylene	9.71	106	377779	44.018	ug/L	96
54) o-xylene	10.12	106	366386	43.360	ug/L	98
55) Styrene	10.13	104	625743	43.598	ug/L	98
56) Isopropylbenzene	10.50	105	954637	43.877	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	357225	42.577	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	297454	41.343	ug/L	100
61) Bromoform	10.31	173	137070	42.358	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	415878	42.921	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	423929	43.300	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	415633	42.521	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	80149	39.283	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	295673	44.761	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	277022	43.752	ug/L	100
69) Naphthalene	14.12	128	1001625	41.233	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	277099	44.468	ug/L	99

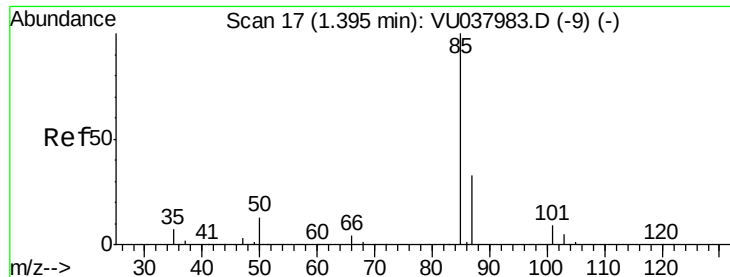
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050620\
Data File : VU038017.D
Acq On : 06 May 2020 10:52
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :

Quant Time: May 07 01:02:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 04 14:36:07 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 44.216 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

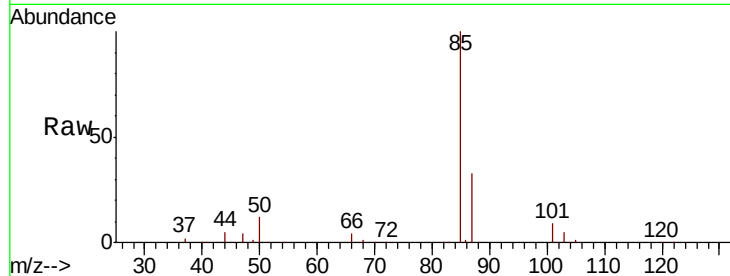
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 217401

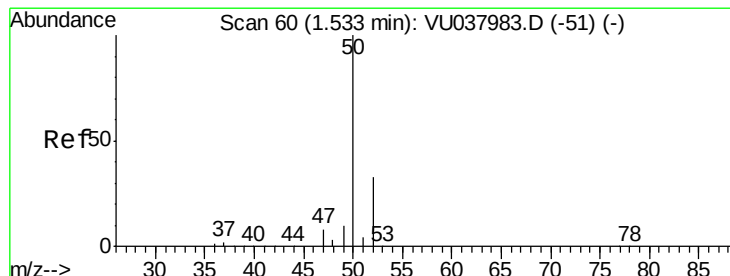
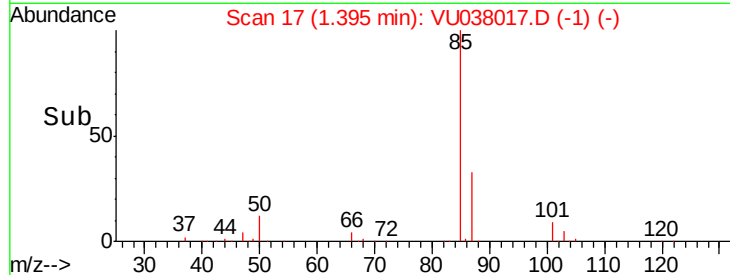
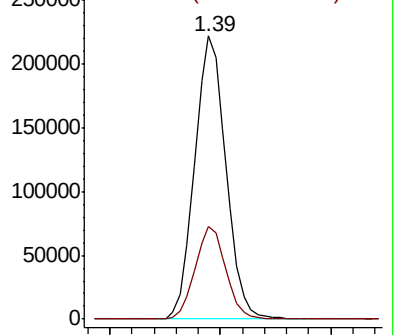
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037983.D (-9) (-)



#3

Chloromethane

Concen: 40.160 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038017.D

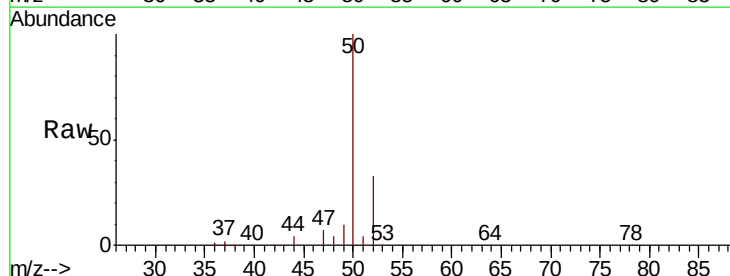
Acq: 06 May 2020 10:52

Tgt Ion: 50 Resp: 250243

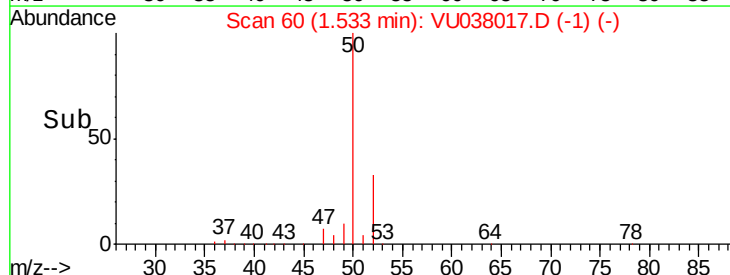
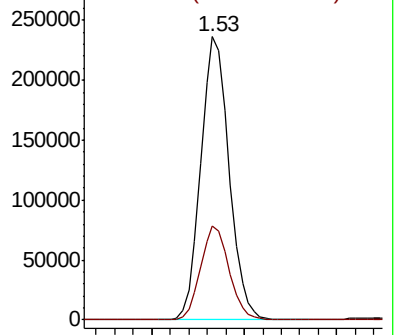
Ion Ratio Lower Upper

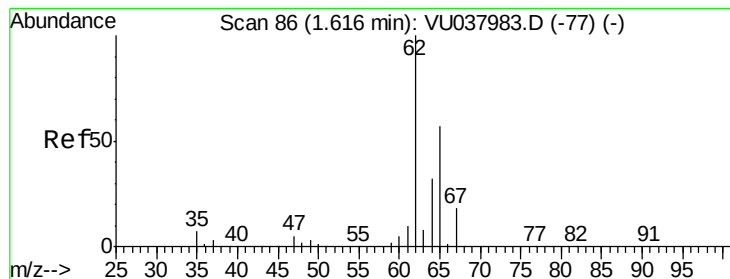
50 100

52 33.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU037983.D (-51) (-)





#5

Vinyl chloride

Concen: 42.093 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

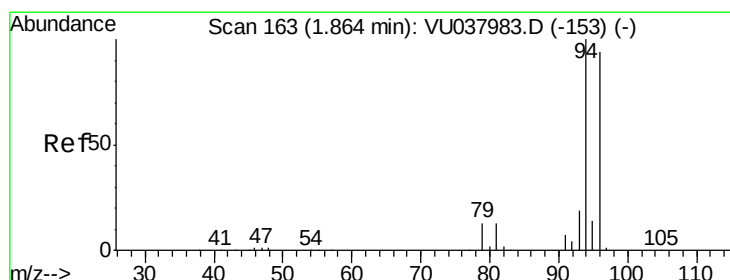
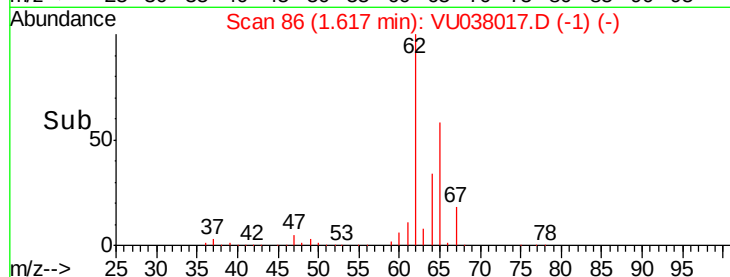
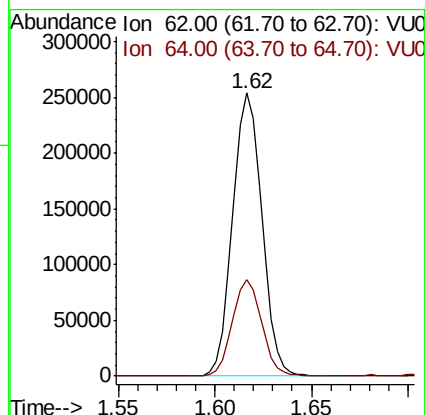
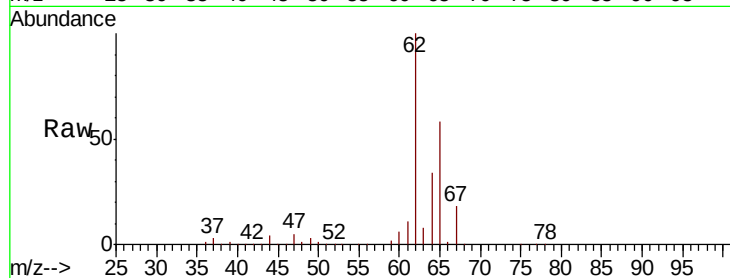
ClientSampled :

Tot Ion: 62 Resp: 266513

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.2



#6

Bromomethane

Concen: 40.825 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU038017.D

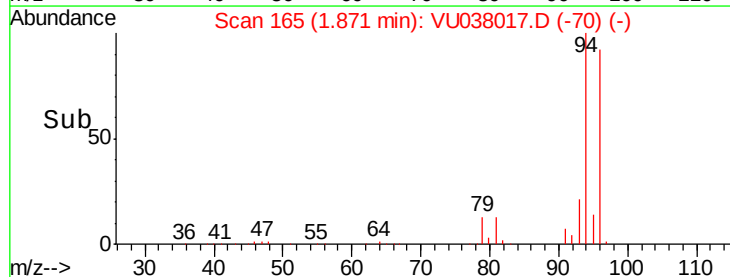
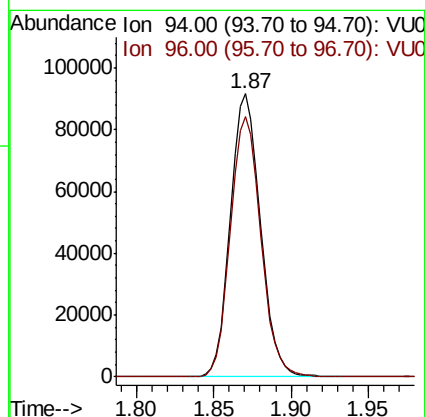
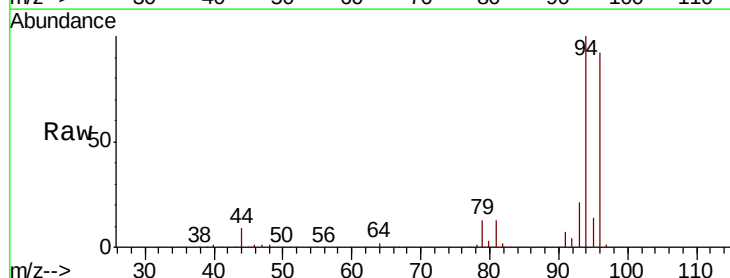
Acq: 06 May 2020 10:52

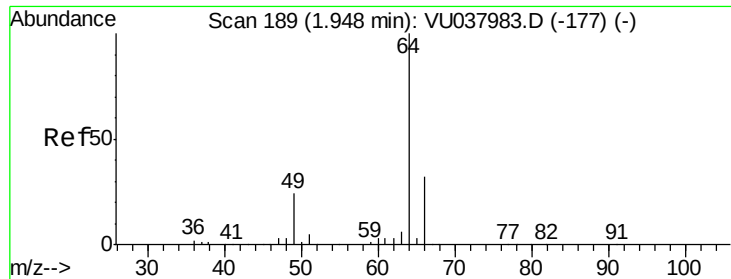
Tgt Ion: 94 Resp: 123116

Ion Ratio Lower Upper

94 100

96 92.0 65.9 122.5

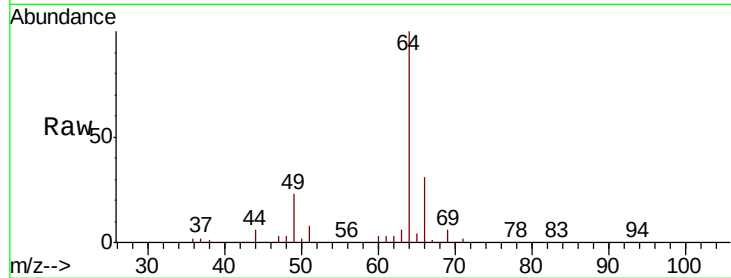




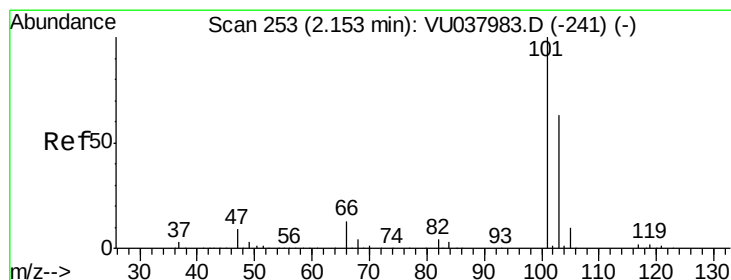
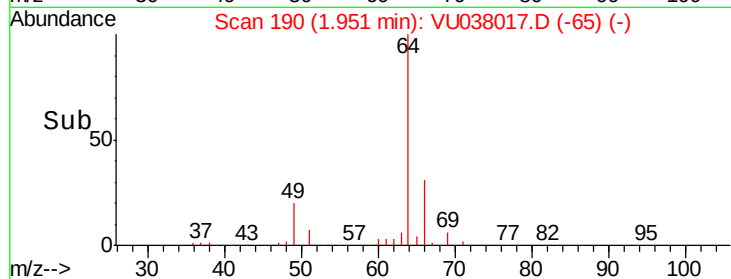
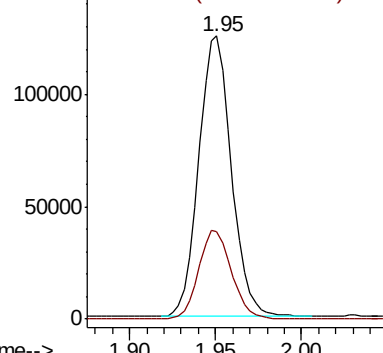
#8
Chloroethane
Concen: 42.945 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 163526
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.7

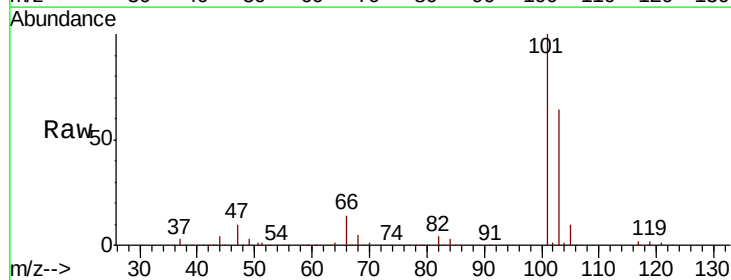


Abundance Ion 64.00 (63.70 to 64.70): VU038017.D (-190) (-)
Ion 66.00 (65.70 to 66.70): VU038017.D (-190) (-)

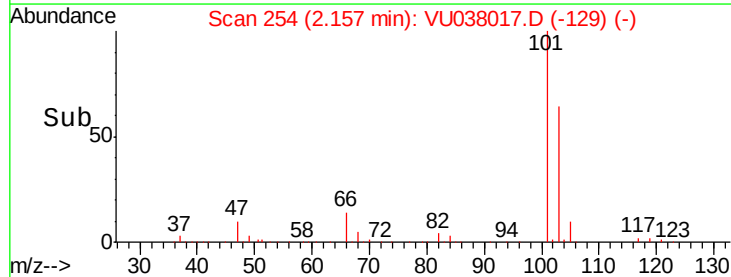
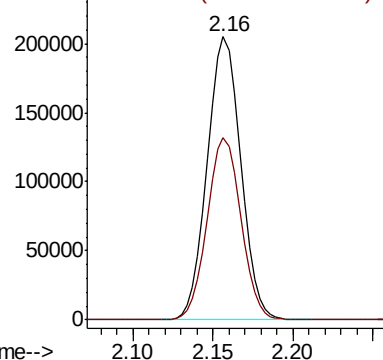


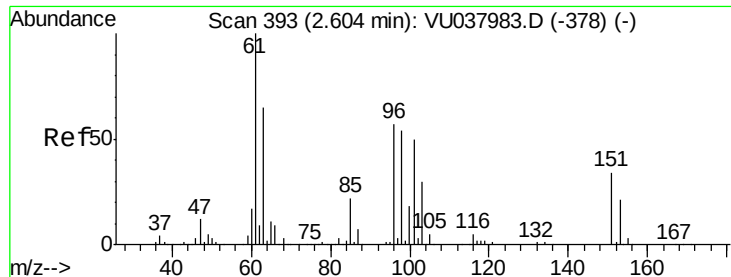
#9
Trichlorofluoromethane
Concen: 44.470 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion:101 Resp: 292640
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU038017.D (-254) (-)
Ion 103.00 (102.70 to 103.70): VU038017.D (-254) (-)





#10

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

Concen: 45.820 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

ClientSampled :

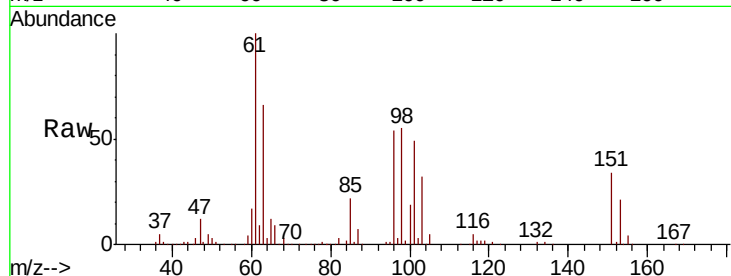
Tot Ion:101 Resp: 185312

Ion Ratio Lower Upper

101 100

85 43.8 34.7 52.1

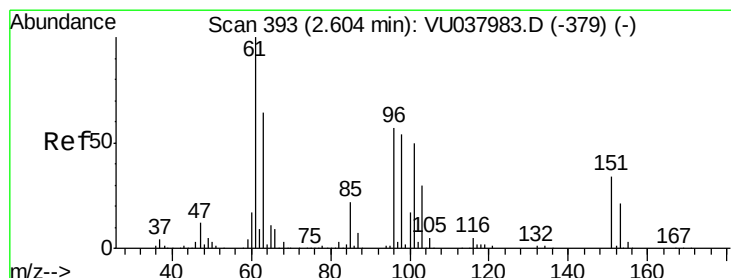
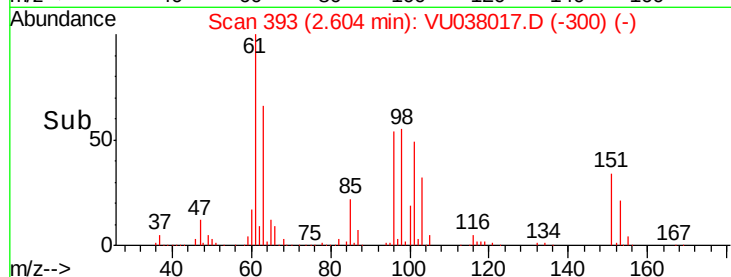
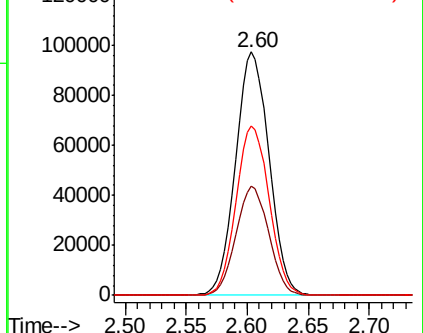
151 68.6 53.4 80.2



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: 42.858 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

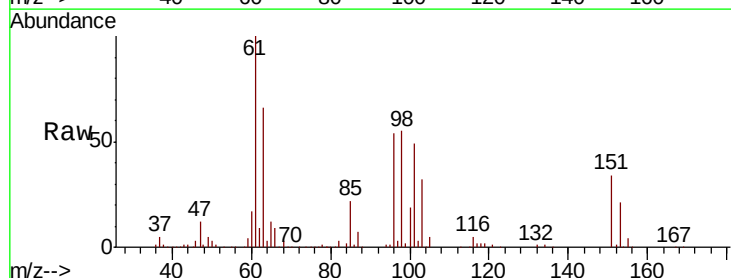
Tgt Ion: 96 Resp: 177387

Ion Ratio Lower Upper

96 100

61 183.6 126.1 234.3

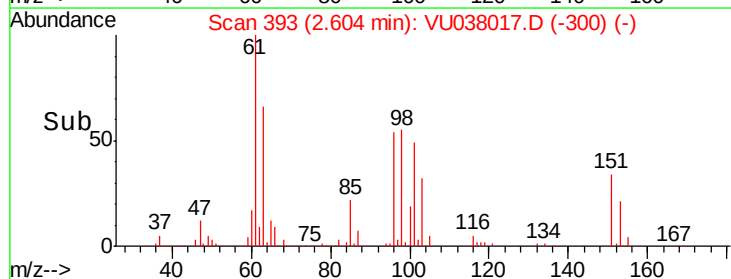
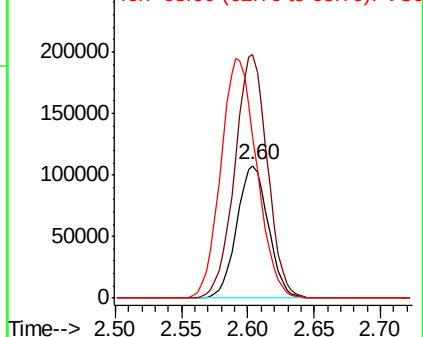
63 121.7 83.4 154.8

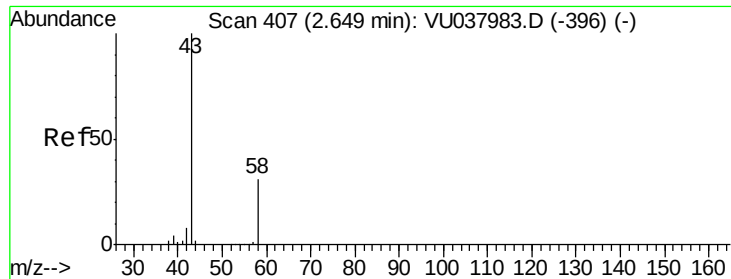


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

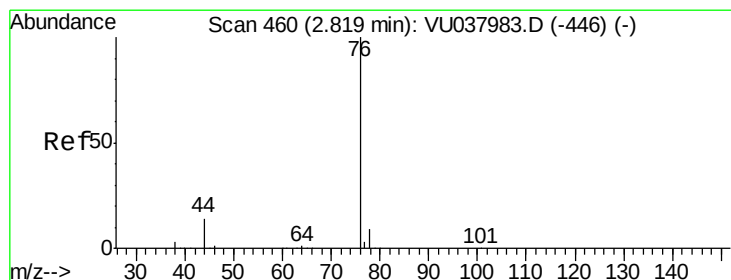
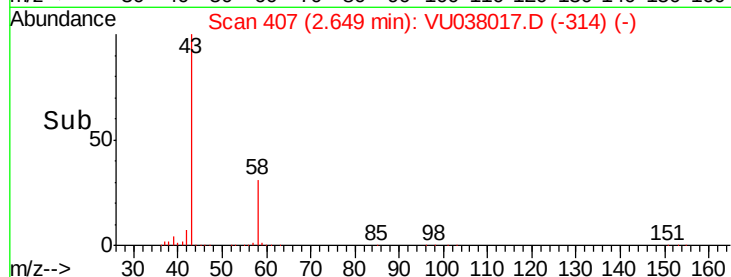
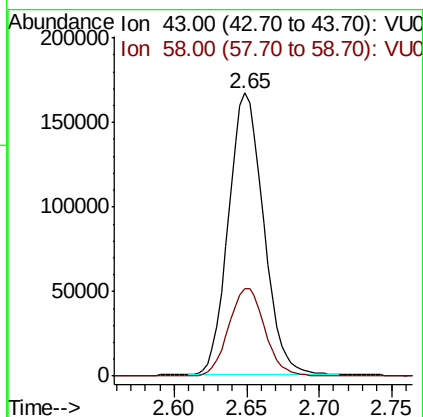
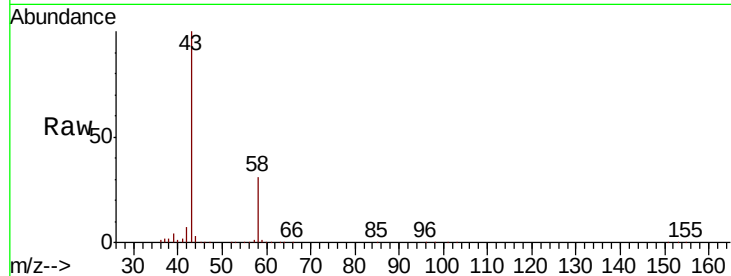




#13
Acetone
Concen: 99.748 ug/L
RT: 2.65 min Scan# 407
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

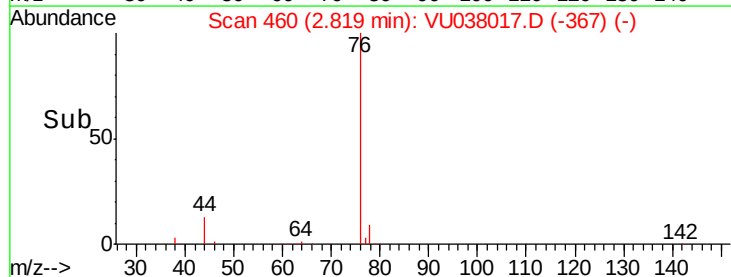
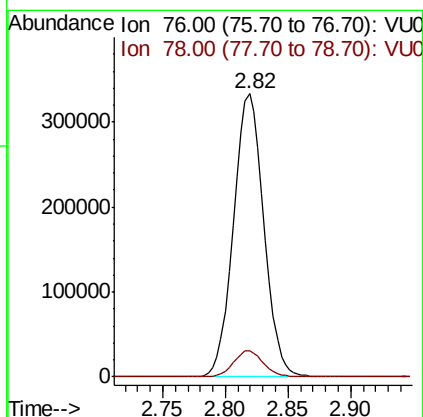
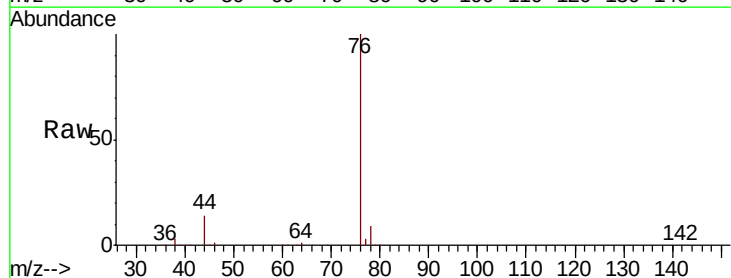
Instrument :
MSVOA_U
ClientSampleId :

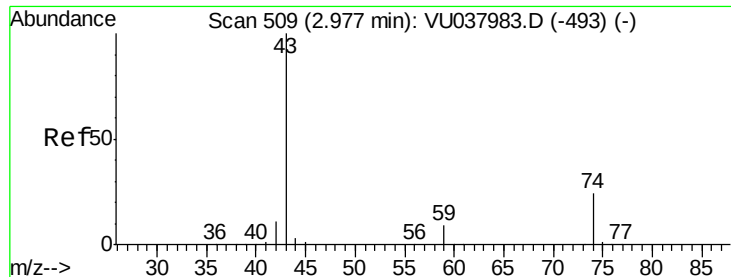
Tot Ion: 43 Resp: 279123
Ion Ratio Lower Upper
43 100
58 31.7 0.0 64.4



#14
Carbon disulfide
Concen: 40.843 ug/L
RT: 2.82 min Scan# 460
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion: 76 Resp: 559958
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

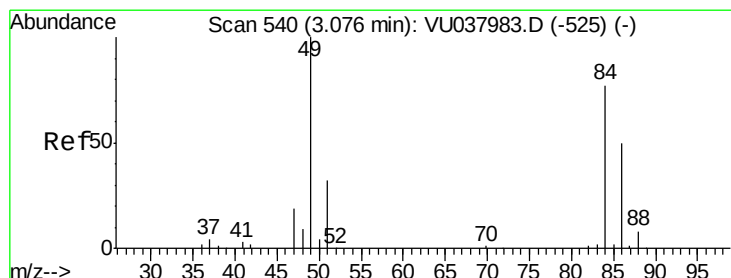
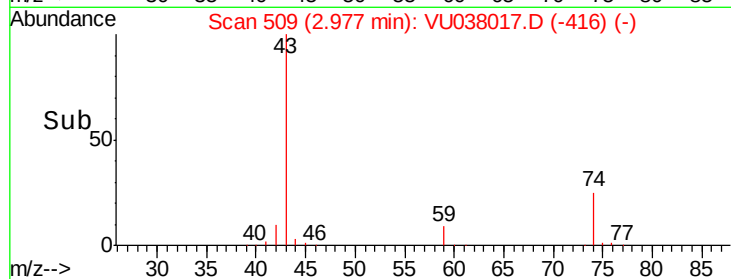
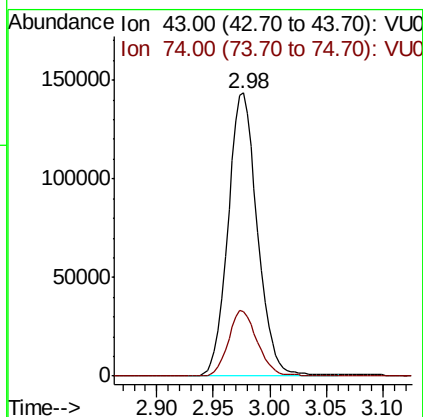
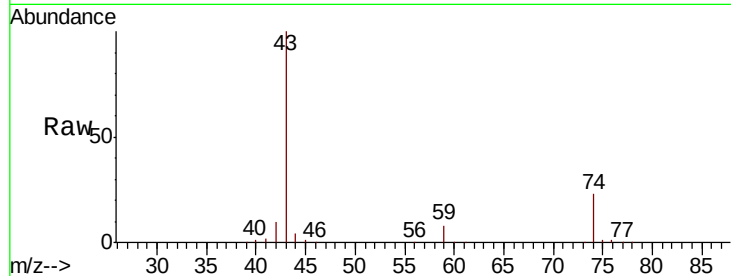




#15
Methvl Acetate
Concen: 42.561 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

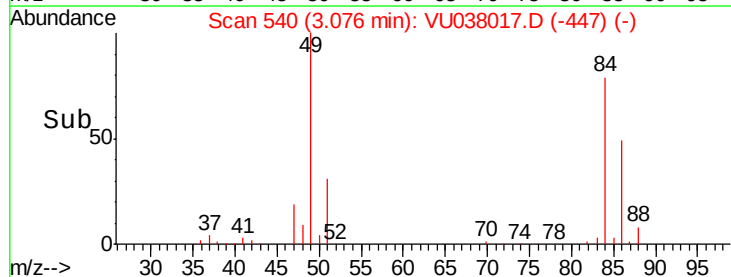
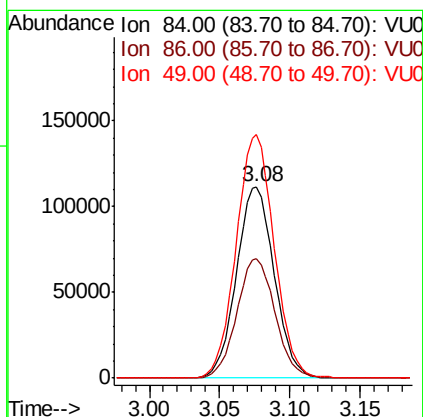
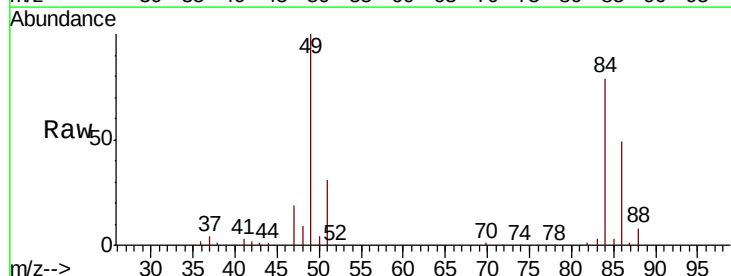
Instrument :
MSVOA_U
ClientSampleId :

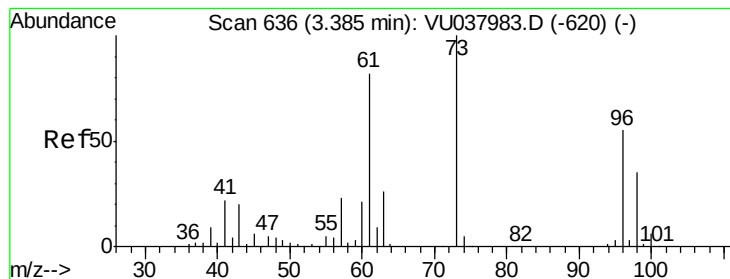
Tot Ion: 43 Resp: 259311
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 42.913 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion: 84 Resp: 209361
Ion Ratio Lower Upper
84 100
86 62.2 45.1 83.9
49 127.2 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 42.326 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

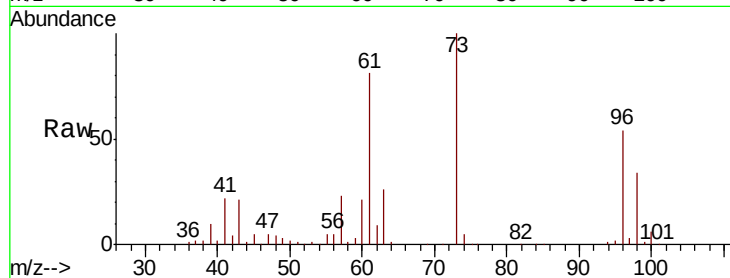
Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 189138

Ion	Ratio	Lower	Upper
96	100		
61	150.3	104.9	194.9
98	64.1	44.6	82.8

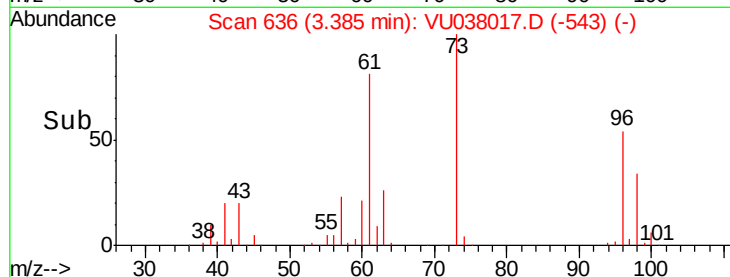


Abundance

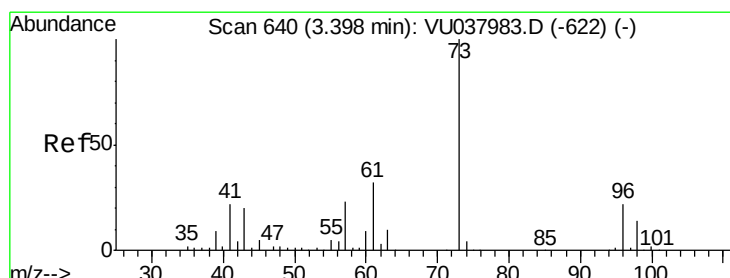
Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->



#18

Methyl tert-butyl Ether

Concen: 42.043 ug/L

RT: 3.40 min Scan# 640

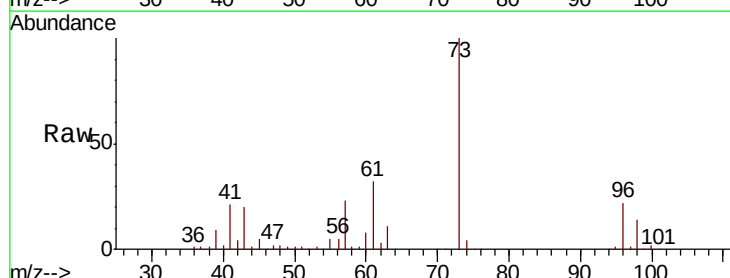
Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Tgt Ion: 73 Resp: 625110

Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.3	24.5
57	22.7	18.4	27.6

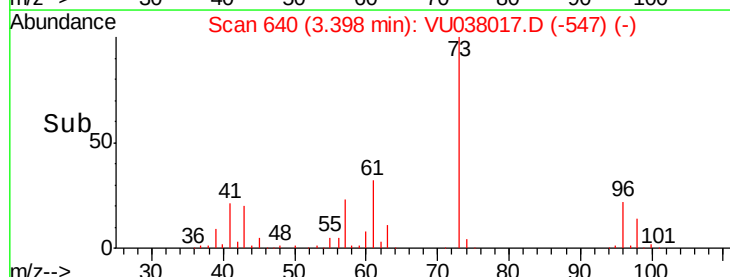


Abundance

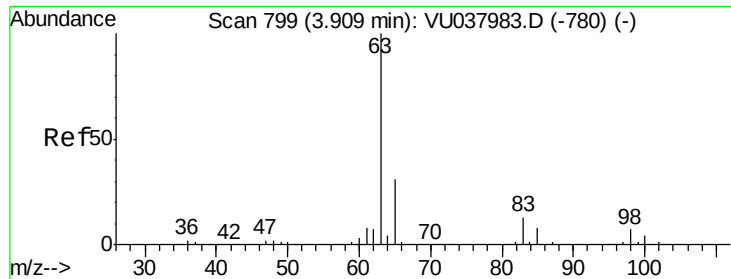
Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



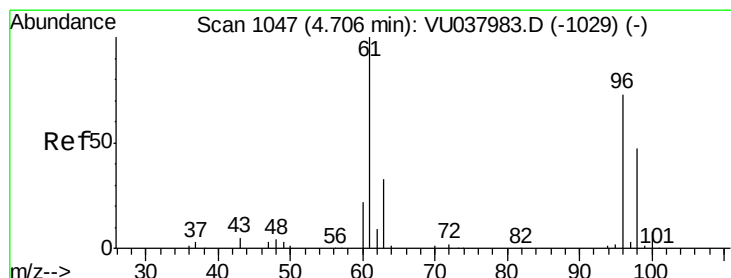
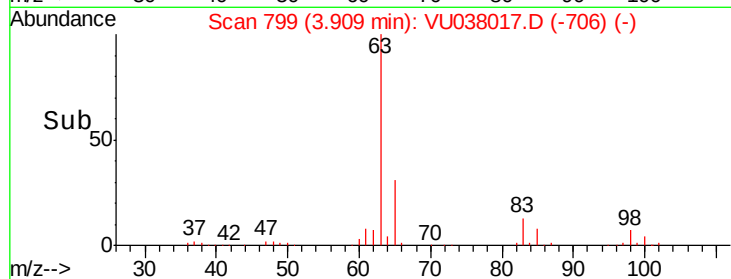
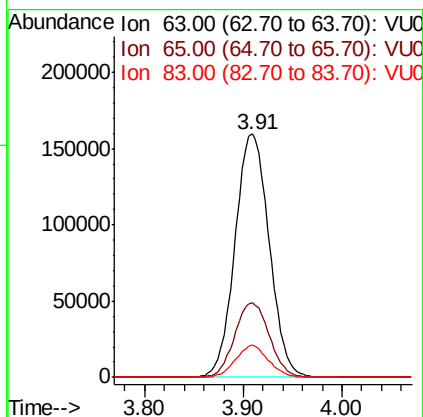
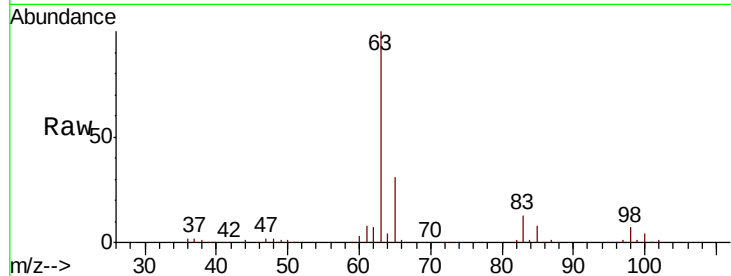
Time-->



#19
 1,1-Dichloroethane
 Concen: 43.044 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

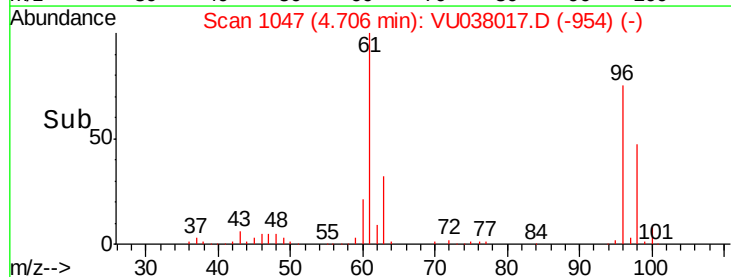
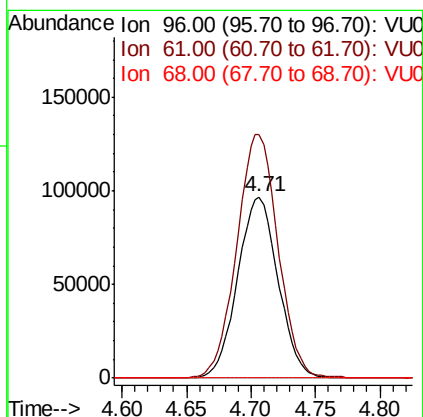
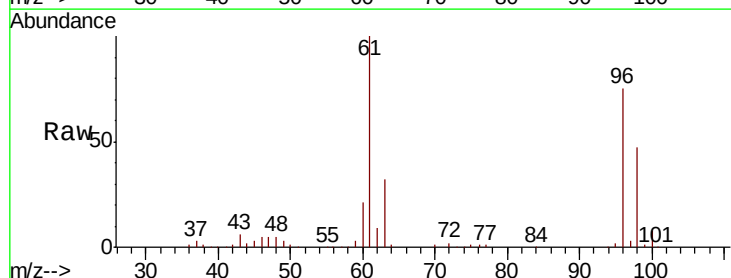
Instrument :
 MSVOA_U
 ClientSampleId :

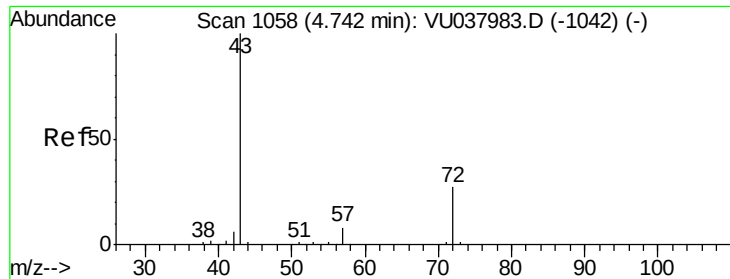
Tot Ion: 63 Resp: 383162
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.5 41.7
 83 13.1 8.5 15.7



#20
 cis-1,2-Dichloroethene
 Concen: 42.880 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion: 96 Resp: 211871
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.9 174.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 88.168 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

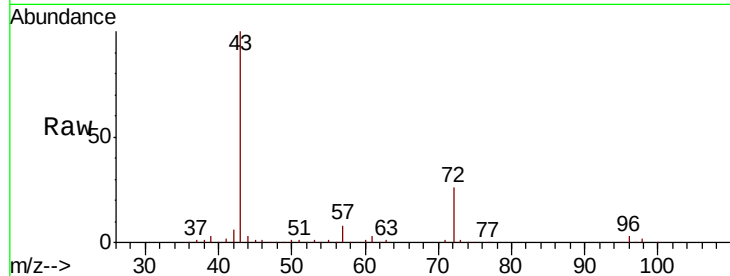
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 399314

Ion Ratio Lower Upper

43 100

72 26.8 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU038017.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU038017.D (-965) (-)

4.74

200000

150000

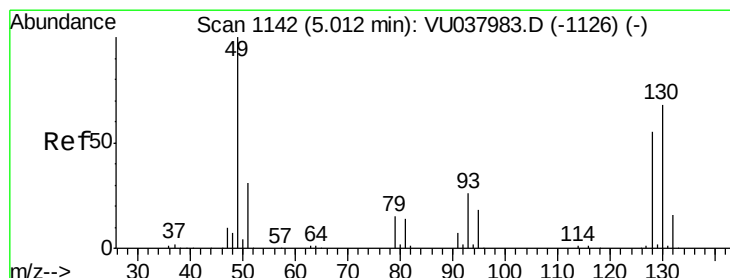
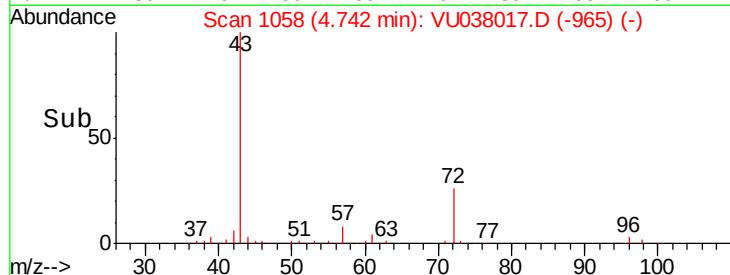
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 43.567 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Tgt Ion: 128 Resp: 101256

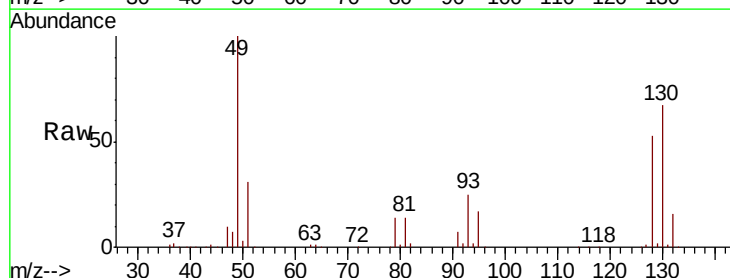
Ion Ratio Lower Upper

128 100

49 190.1 136.2 252.9

130 127.8 91.3 169.5

51 58.6 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU038017.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038017.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038017.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038017.D (-1049) (-)

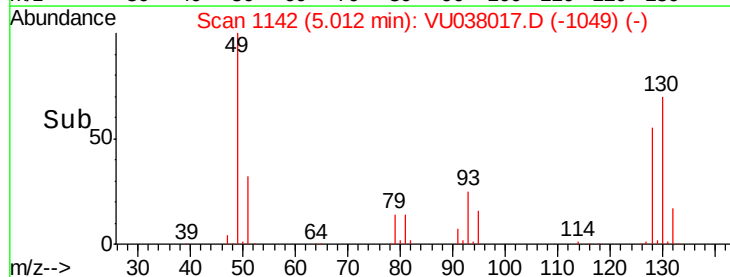
100000

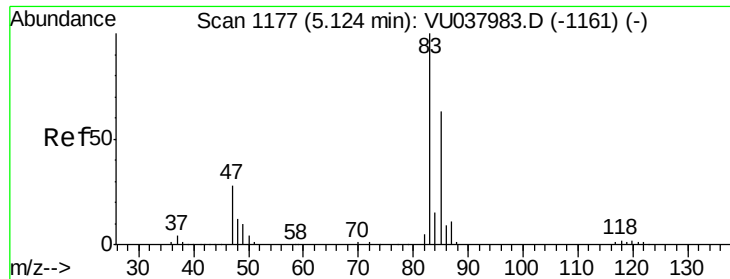
50000

0

4.95 5.00 5.05 5.10

Time-->

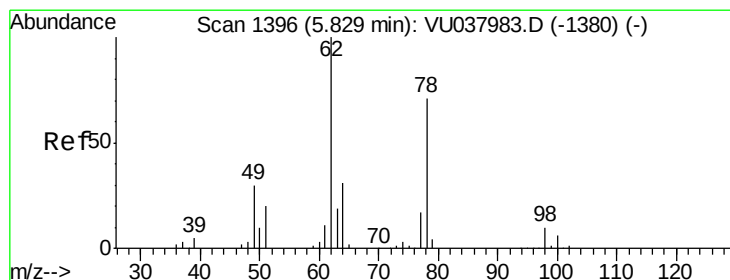
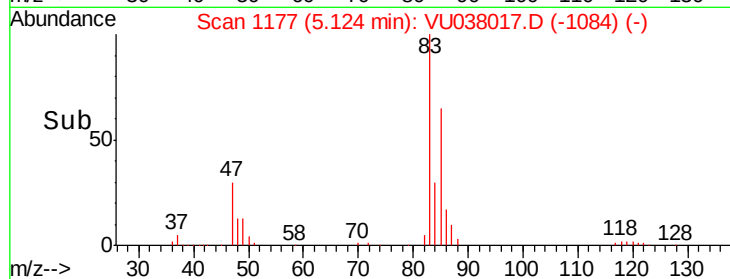
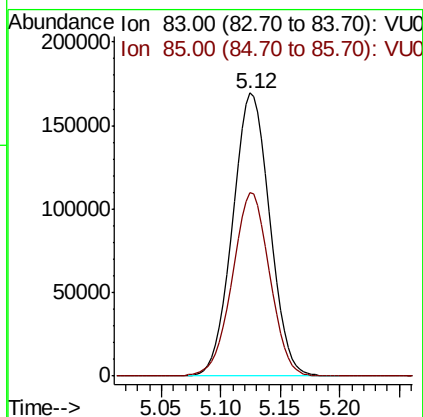
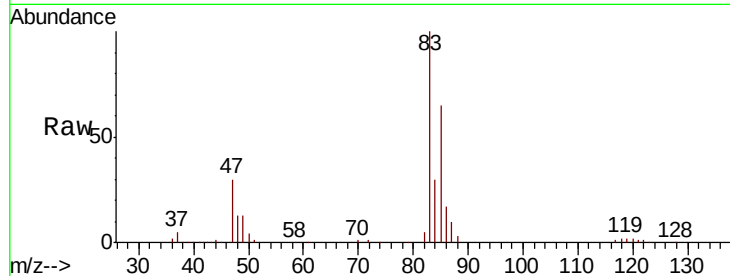




#25
Chloroform
Concen: 42.944 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

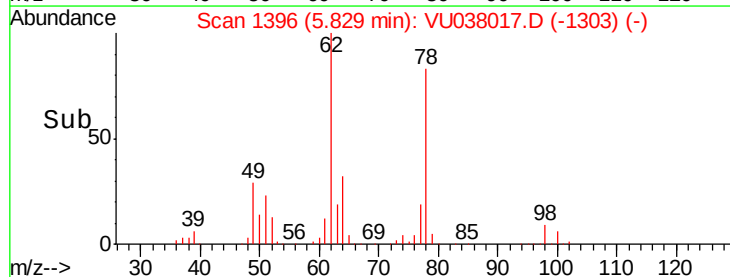
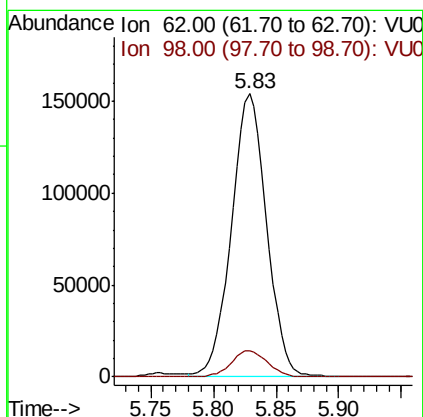
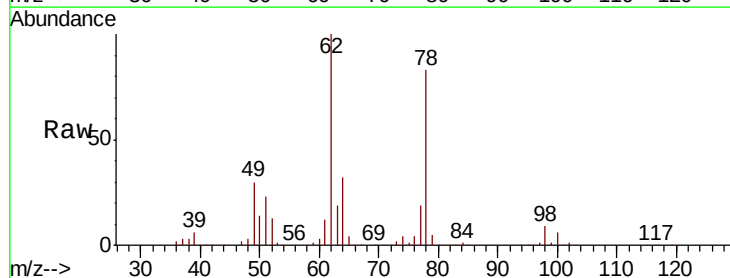
Instrument :
MSVOA_U
ClientSampleId :

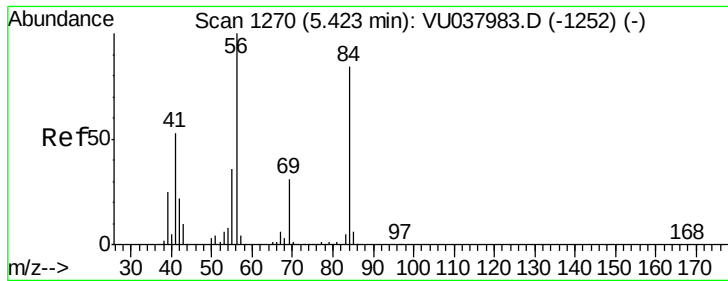
Tot Ion: 83 Resp: 366954
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 42.418 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion: 62 Resp: 299720
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

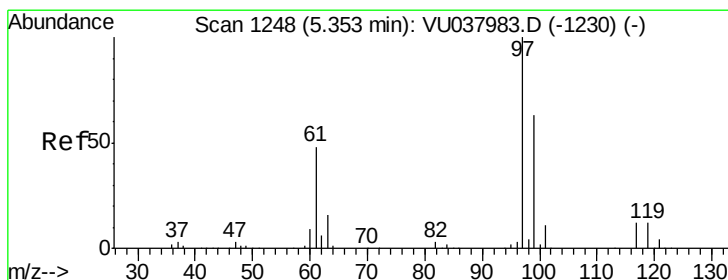
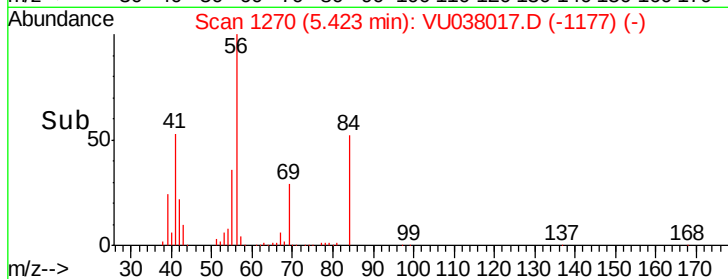
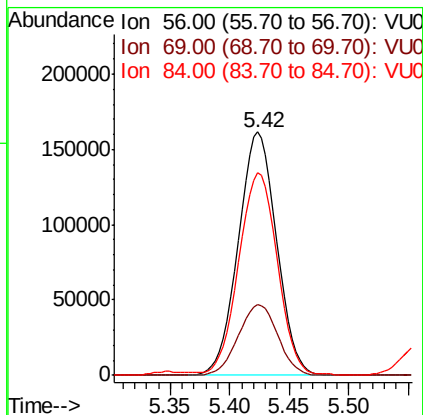
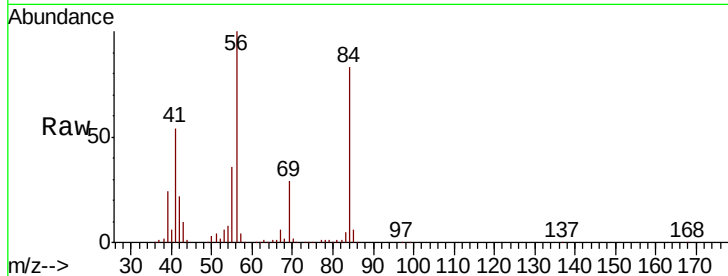




#29
Cyclohexane
Concen: 44.501 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

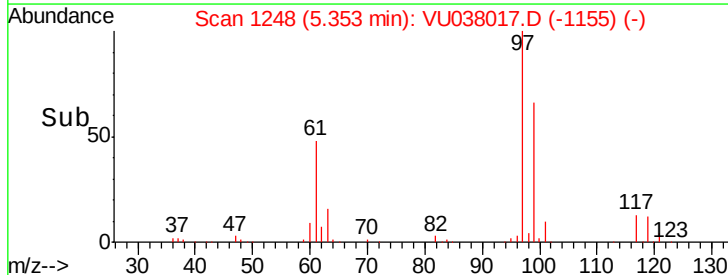
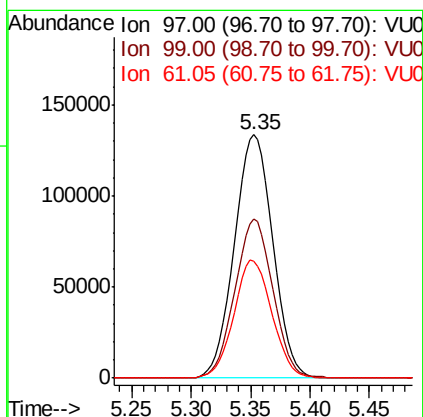
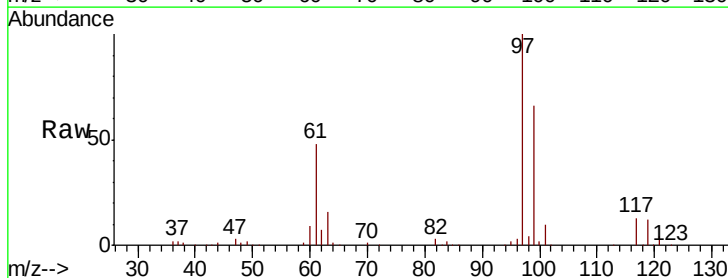
Instrument :
MSVOA_U
ClientSampled :

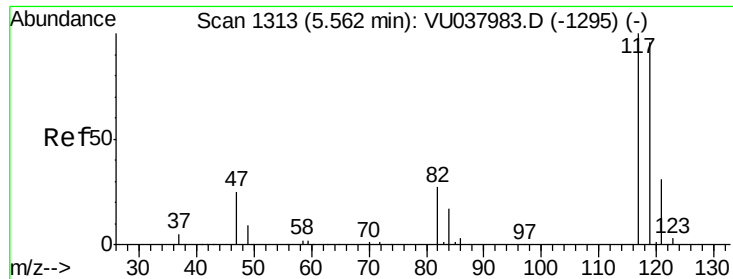
Tot Ion: 56 Resp: 361008
Ion Ratio Lower Upper
56 100
69 29.9 23.8 35.8
84 82.9 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 43.458 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion: 97 Resp: 299905
Ion Ratio Lower Upper
97 100
99 64.8 50.5 75.7
61 47.9 38.8 58.2





#31

Carbon tetrachloride

Concen: 44.382 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

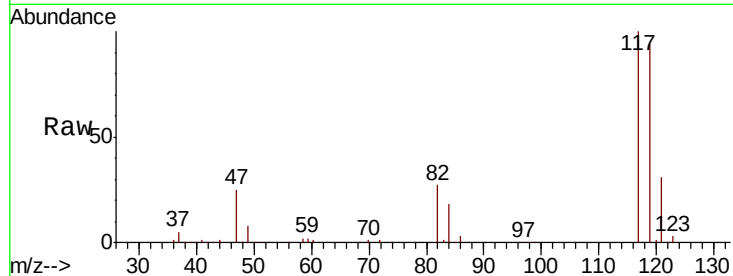
ClientSampleId :

Tot Ion:117 Resp: 241782

Ion Ratio Lower Upper

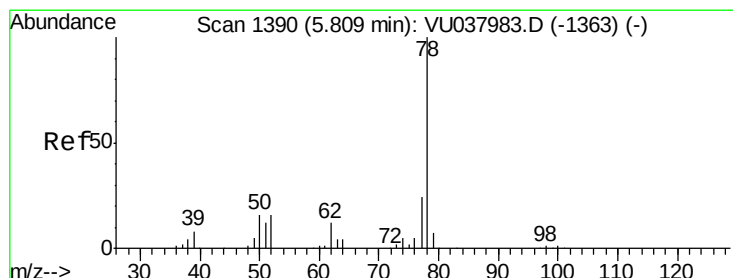
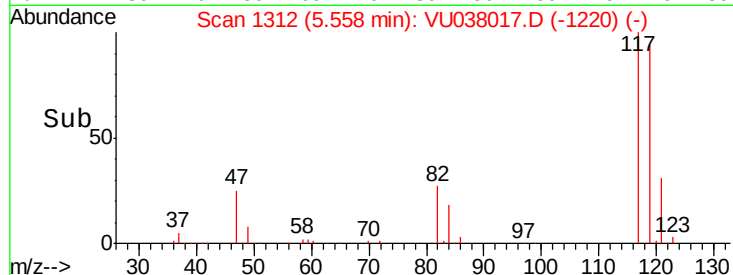
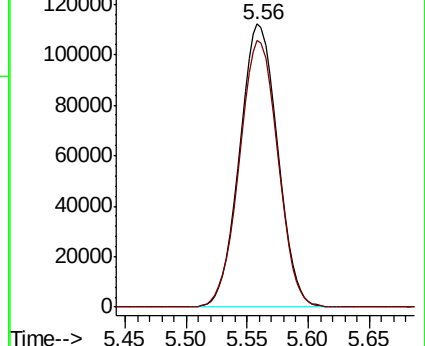
117 100

119 95.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 42.636 ug/L

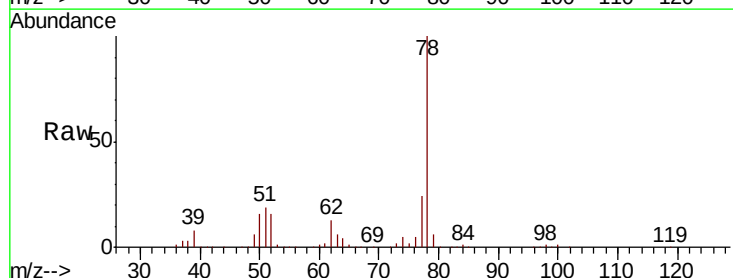
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

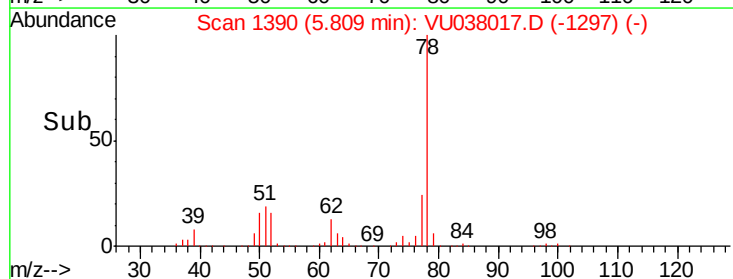
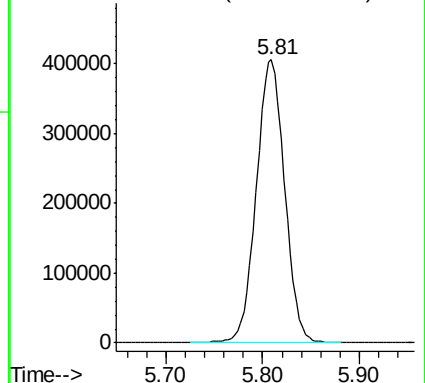
Lab File: VU038017.D

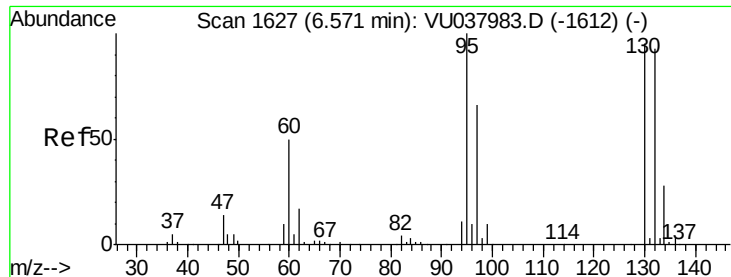
Acq: 06 May 2020 10:52

Tgt Ion: 78 Resp: 827485



Abundance Ion 78.00 (77.70 to 78.70): VU0

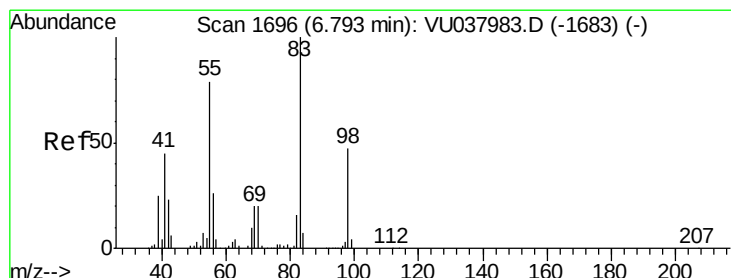
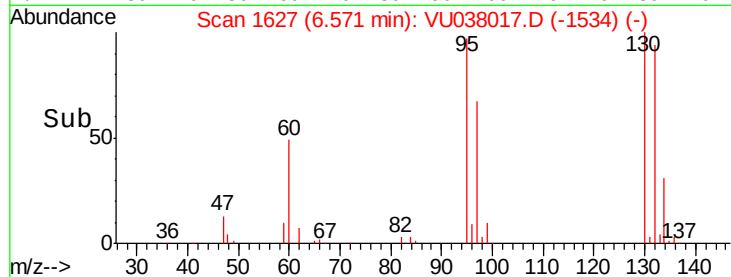
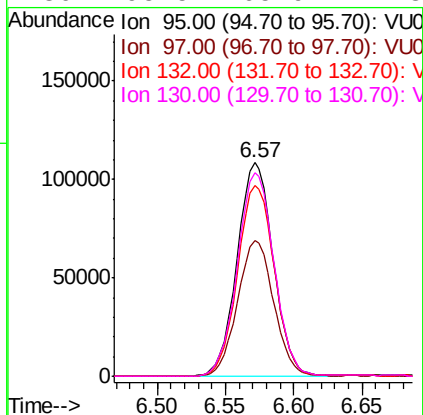
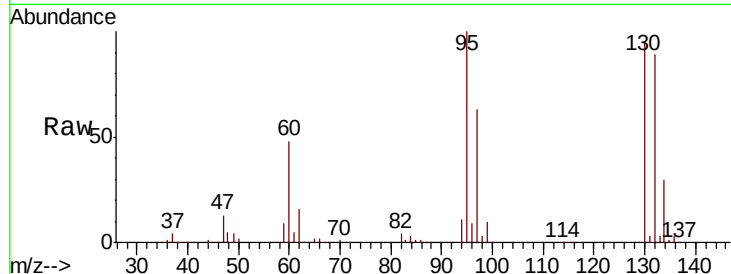




#34
 Trichloroethene
 Concen: 42.611 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

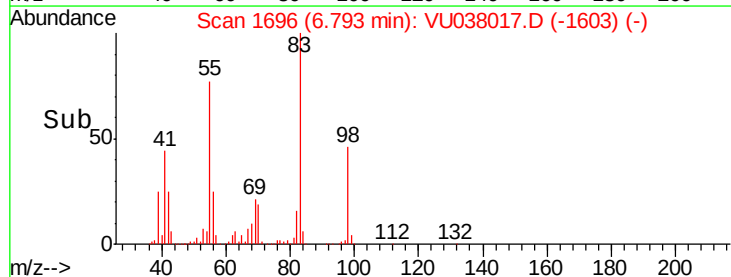
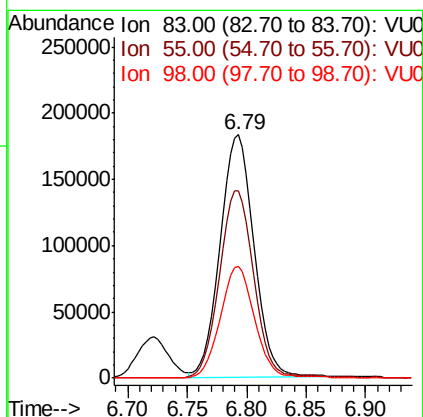
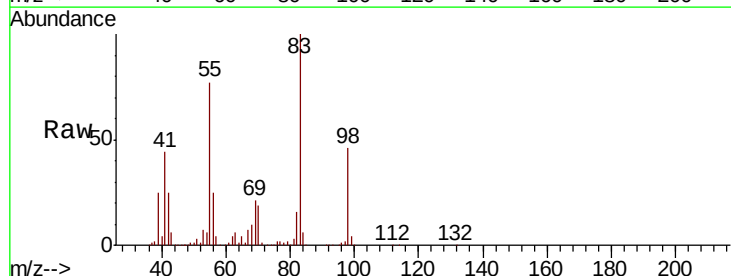
Instrument :
 MSVOA_U
 ClientSampleId :

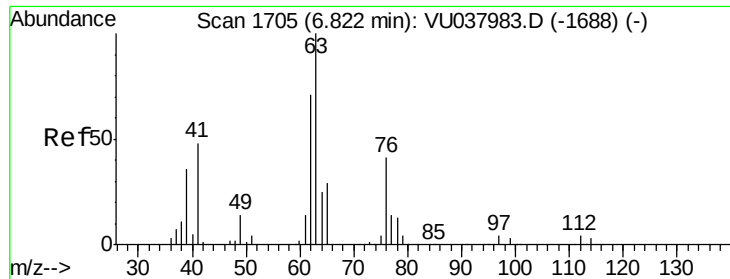
Tot Ion:	95	Resp:	200541
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.9	83.5
132	89.3	63.2	117.4
130	95.5	65.9	122.3



#35
 Methylcyclohexane
 Concen: 45.655 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion:	83	Resp:	360924
Ion	Ratio	Lower	Upper
83	100		
55	78.2	64.2	96.4
98	46.3	38.1	57.1

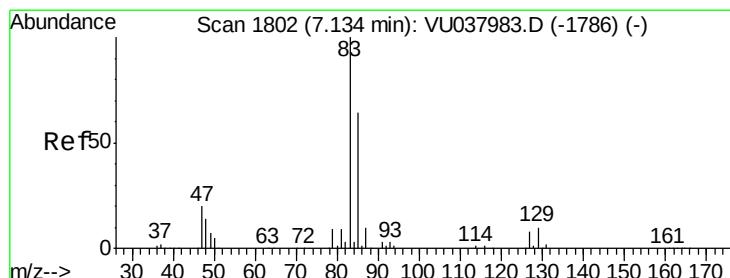
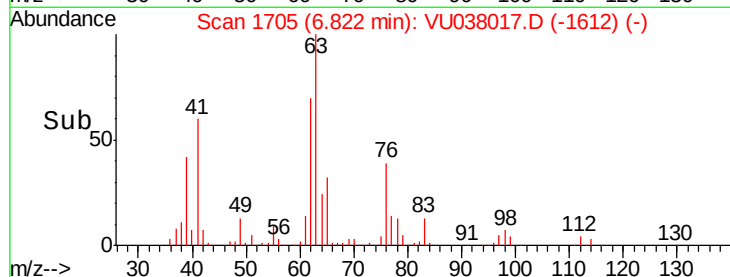
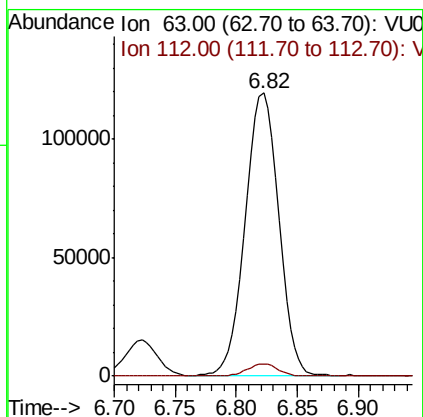
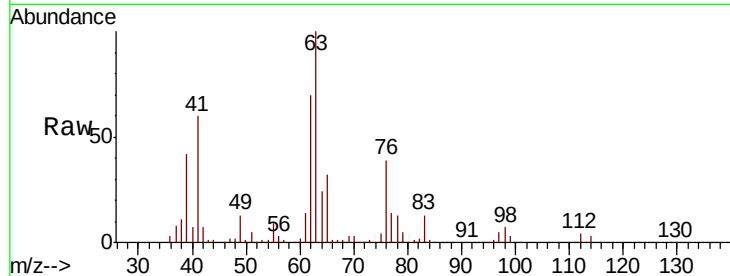




#37
 1,2-Dichloropropane
 Concen: 43.688 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

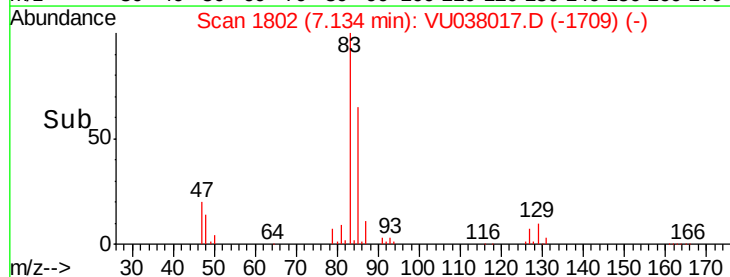
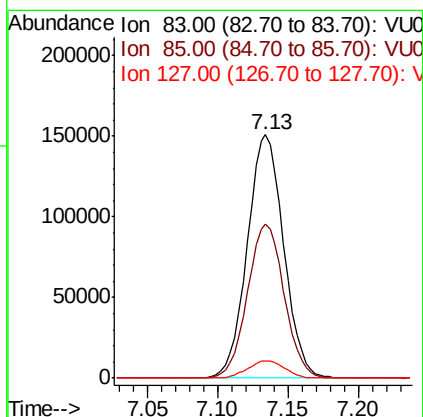
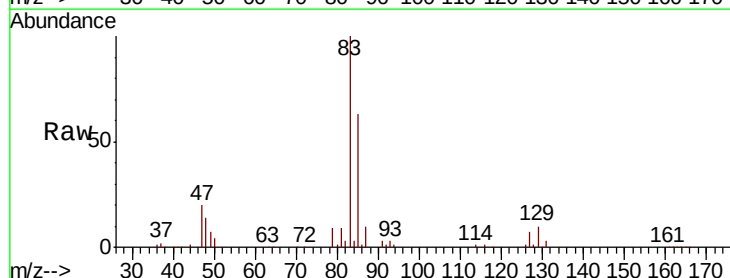
Instrument :
 MSVOA_U
 ClientSampleId :

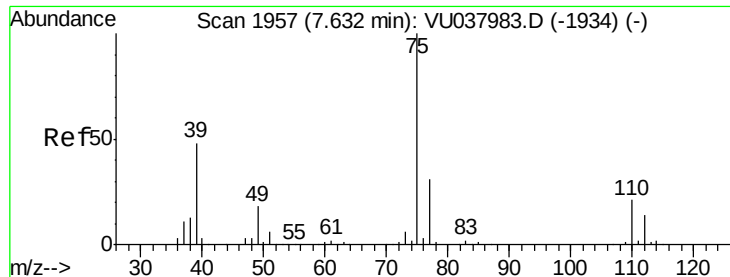
Tot Ion: 63 Resp: 226694
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 43.038 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion: 83 Resp: 271152
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.8 81.3
 127 7.2 6.1 9.1

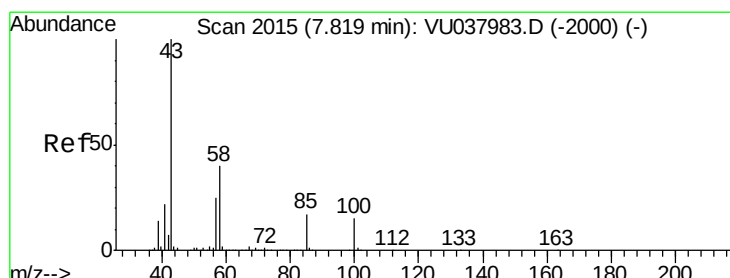
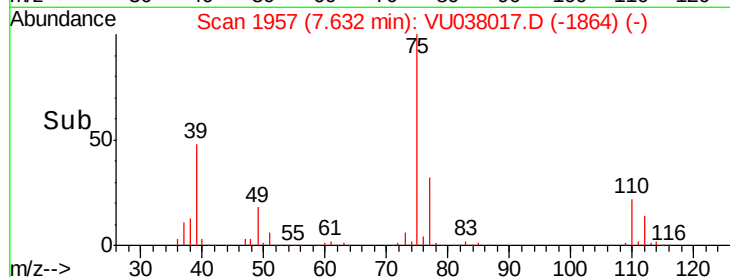
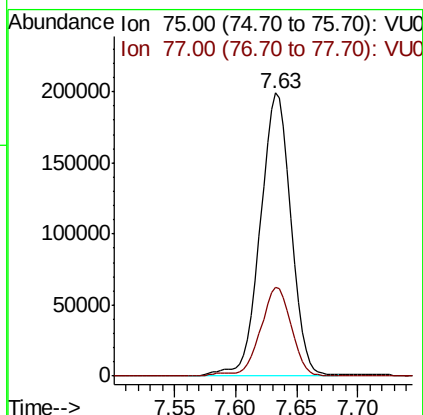
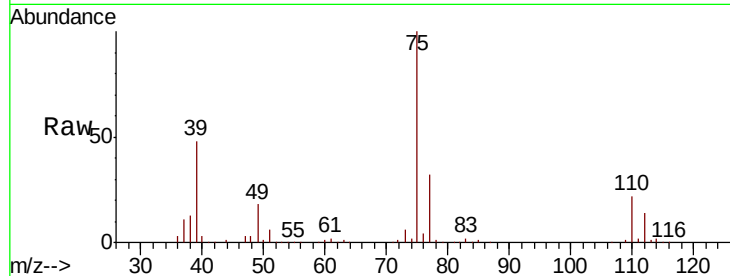




#39
 cis-1,3-Dichloropropene
 Concen: 43.820 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

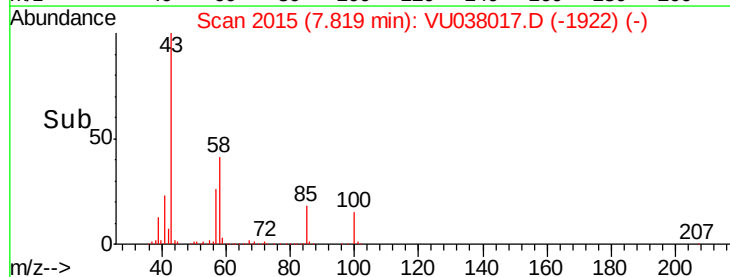
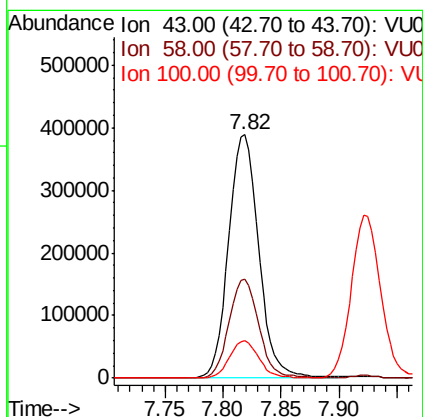
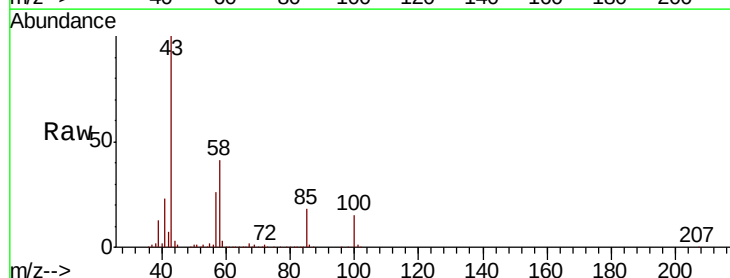
Instrument :
 MSVOA_U
 ClientSampleId :

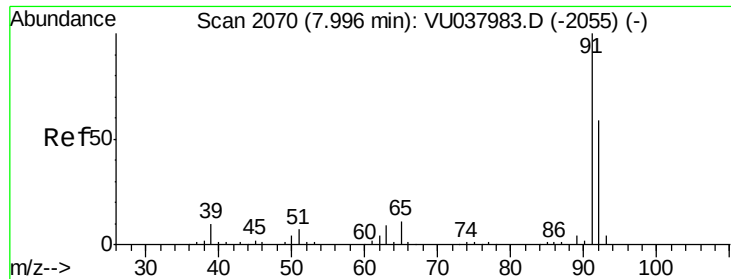
Tot Ion: 75 Resp: 348553
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 83.392 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion: 43 Resp: 701111
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.8 47.8
 100 15.0 12.2 18.2





#42

Toluene

Concen: 43.031 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

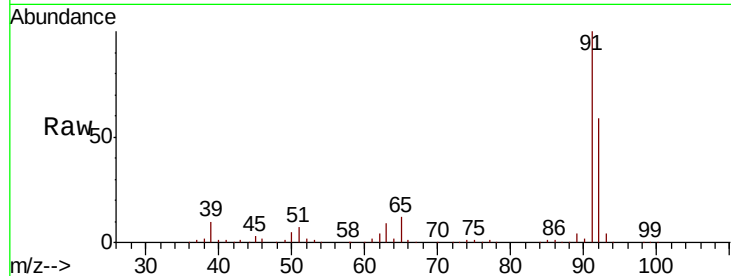
ClientSampled :

Tot Ion: 91 Resp: 877447

Ion Ratio Lower Upper

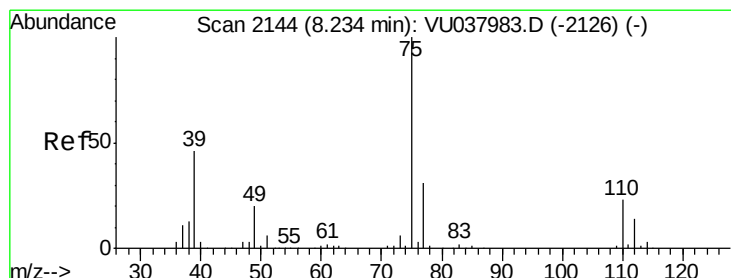
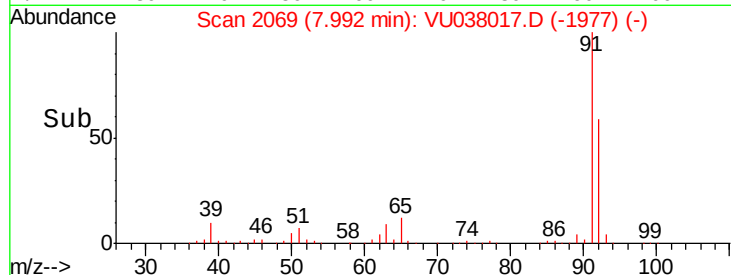
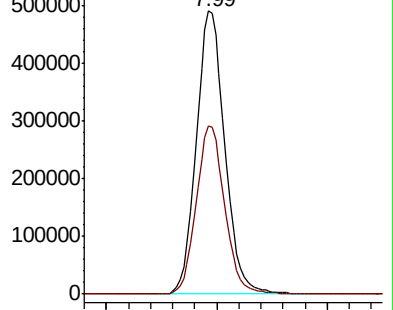
91 100

92 59.3 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU038017.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VU038017.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 42.704 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038017.D

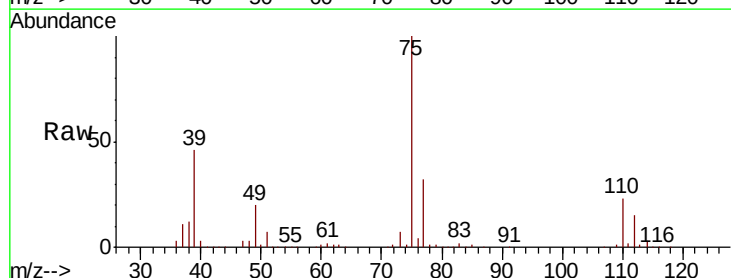
Acq: 06 May 2020 10:52

Tgt Ion: 75 Resp: 317127

Ion Ratio Lower Upper

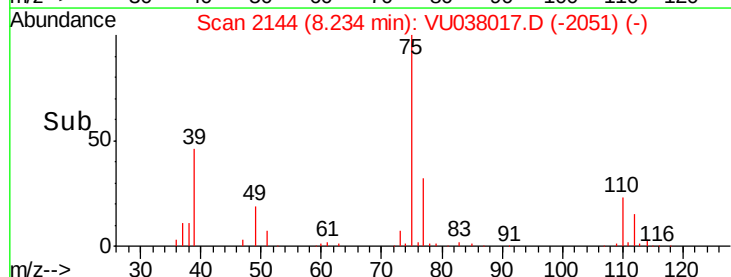
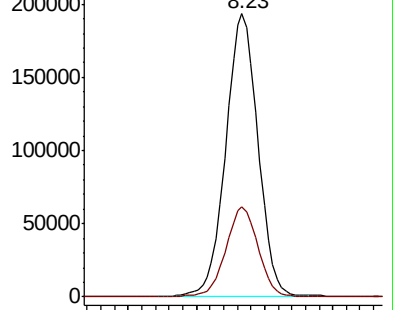
75 100

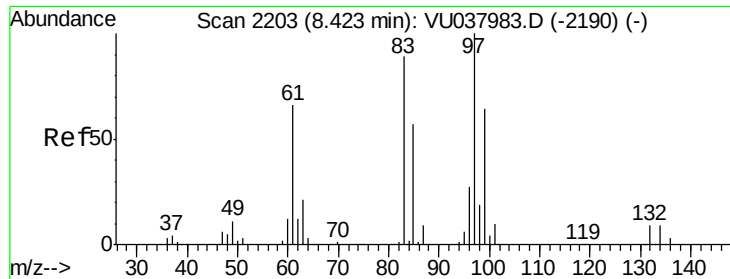
77 31.7 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU038017.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU038017.D (-2051) (-)

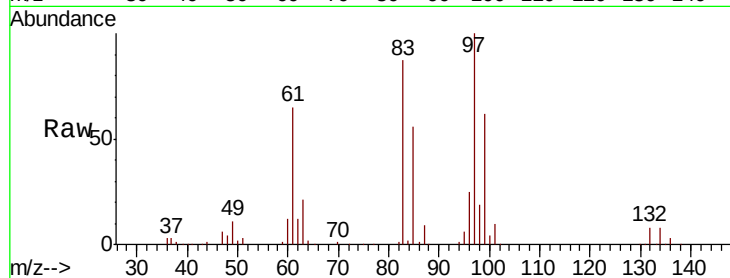




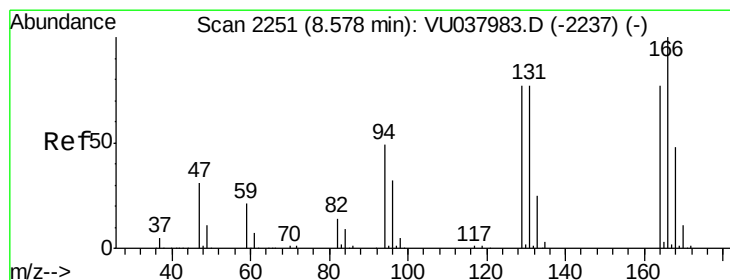
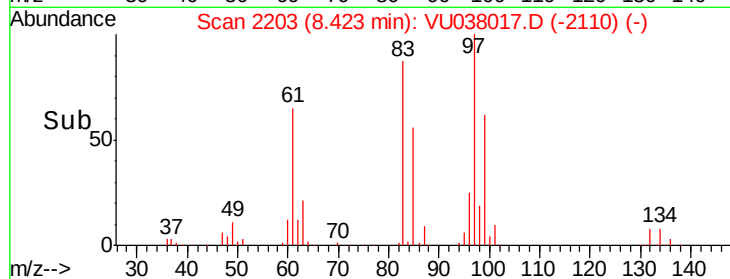
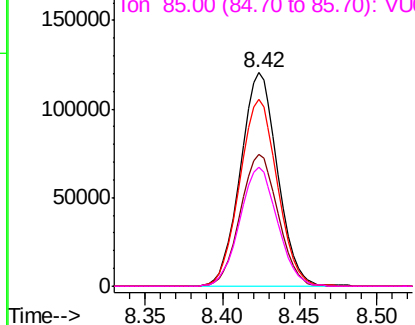
#45
 1,1,2-Trichloroethane
 Concen: 42.904 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	201635
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.4	82.4
83	87.4	61.9	115.1
85	55.8	40.5	75.1

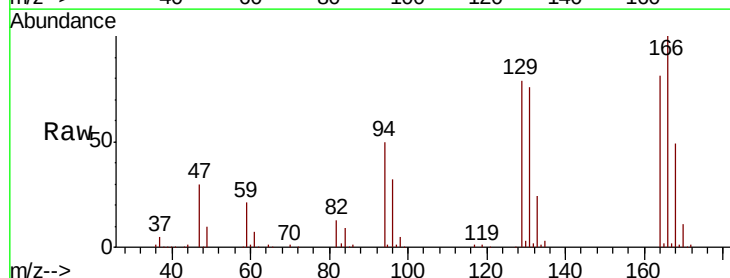


Abundance Ion 97.00 (96.70 to 97.70): VU038017.D (-2190) (-)
 Ion 99.00 (98.70 to 99.70): VU038017.D (-2190) (-)
 Ion 83.00 (82.70 to 83.70): VU038017.D (-2190) (-)
 Ion 85.00 (84.70 to 85.70): VU038017.D (-2190) (-)

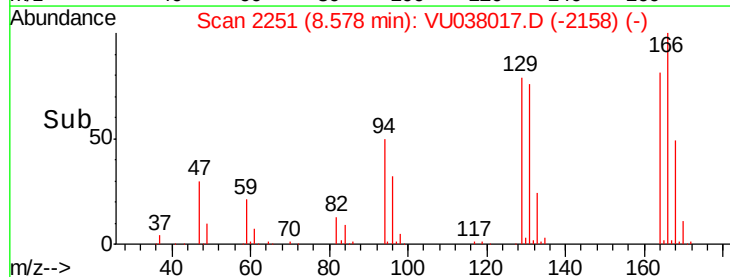
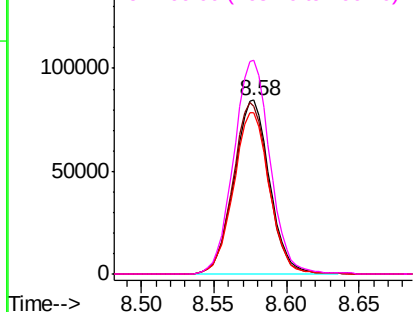


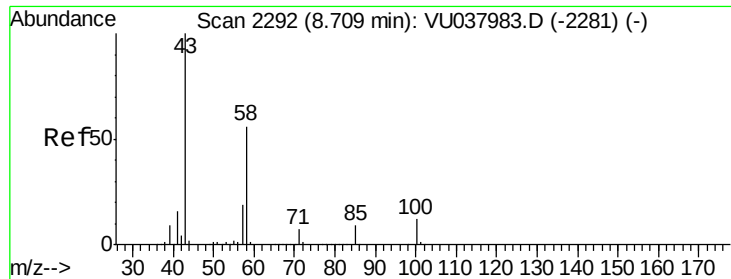
#46
 Tetrachloroethene
 Concen: 42.019 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion:	164	Resp:	144380
Ion	Ratio	Lower	Upper
164	100		
129	96.7	68.4	127.0
131	93.1	65.7	122.1
166	122.9	86.7	161.1



Abundance Ion 164.00 (163.70 to 164.70): VU038017.D (-2237) (-)
 Ion 129.00 (128.70 to 129.70): VU038017.D (-2237) (-)
 Ion 131.00 (130.70 to 131.70): VU038017.D (-2237) (-)
 Ion 166.00 (165.70 to 166.70): VU038017.D (-2237) (-)

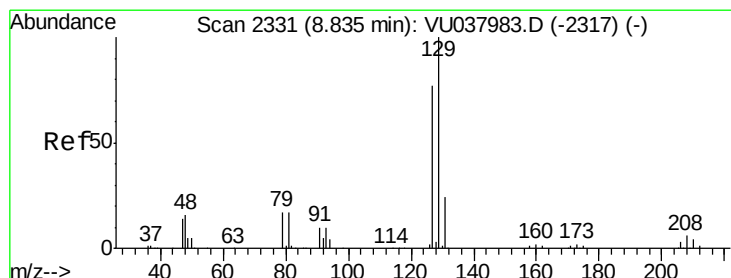
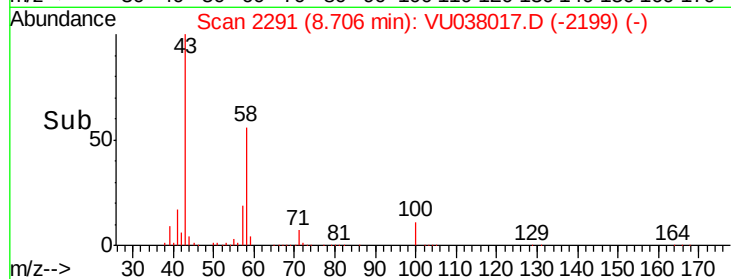
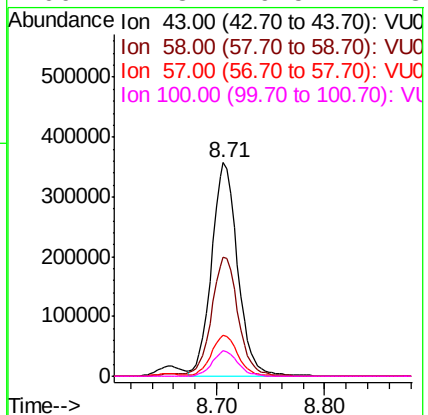
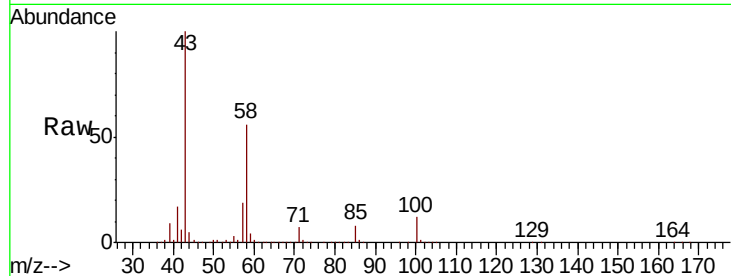




#48
2-Hexanone
Concen: 86.233 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

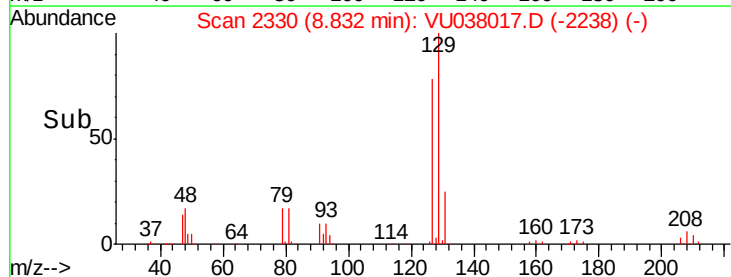
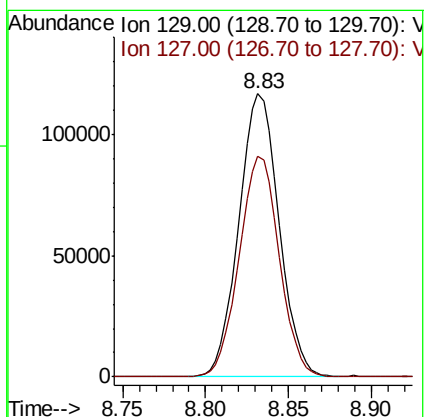
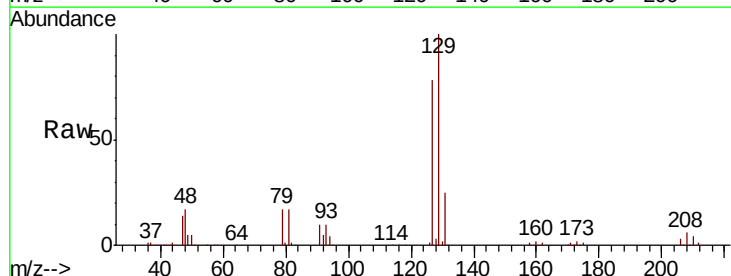
Instrument :
MSVOA_U
ClientSampled :

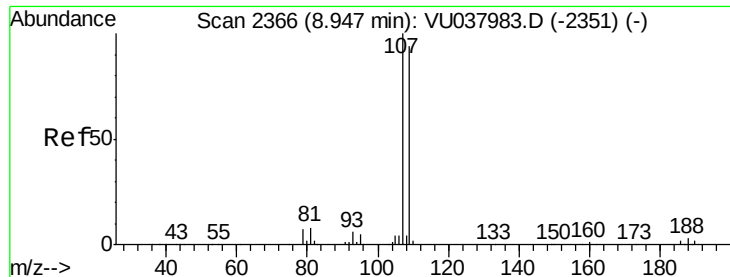
Tot Ion:	43	Resp:	597466
Ion	Ratio	Lower	Upper
43	100		
58	57.1	46.4	69.6
57	19.9	16.4	24.6
100	11.8	9.5	14.3



#49
Dibromochloromethane
Concen: 43.484 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion:	129	Resp:	197084
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.7	101.5

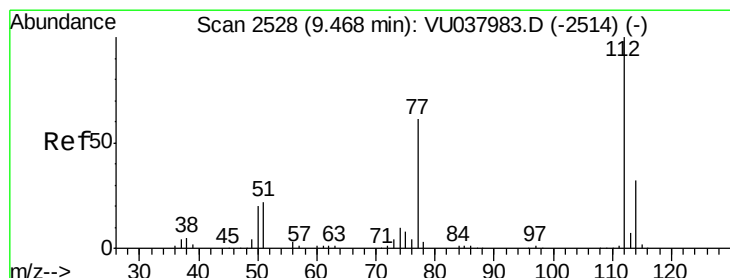
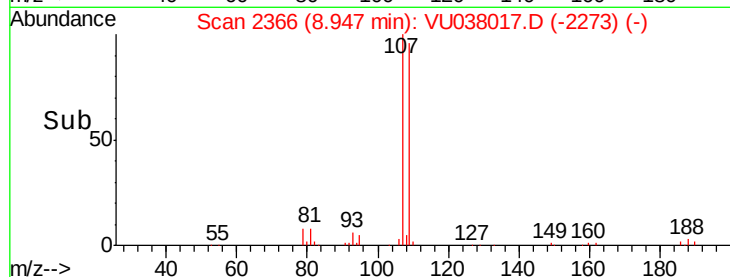
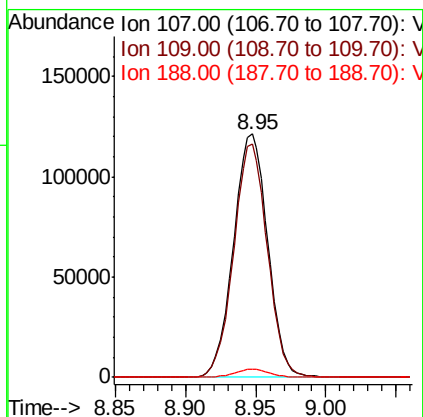
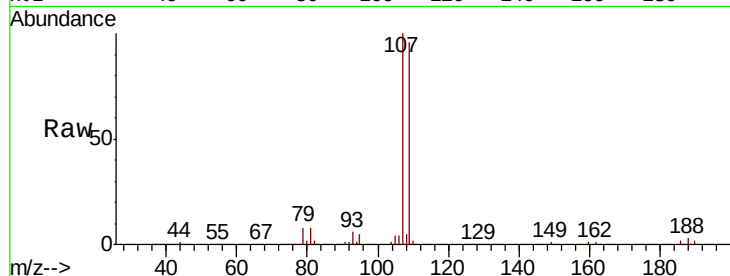




#50
1,2-Dibromoethane
Concen: 40.903 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

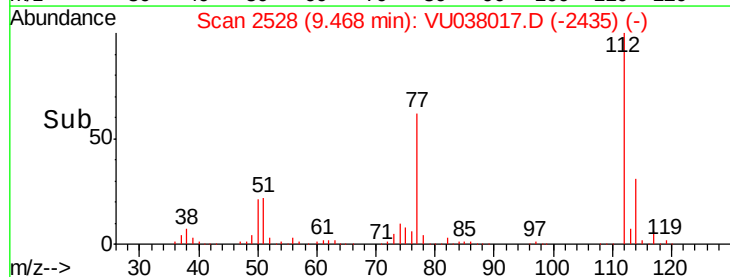
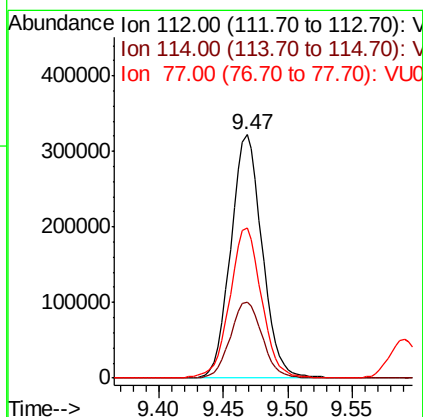
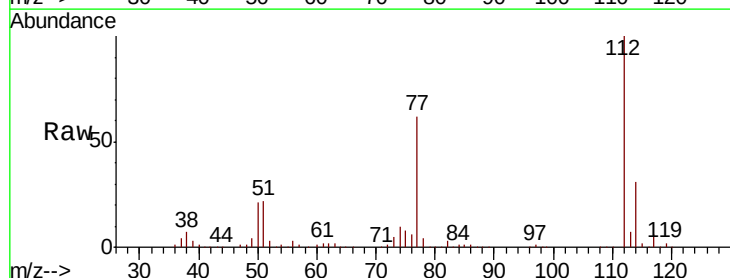
Instrument :
MSVOA_U
ClientSampleId :

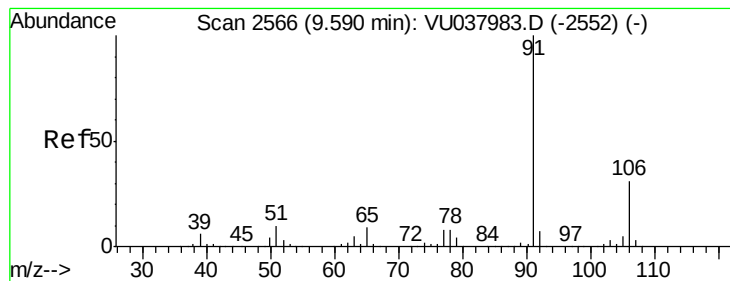
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.1	119.1
188	3.5	2.2	3.2#



#51
Chlorobenzene
Concen: 42.951 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.6	40.2
77	61.6	49.3	73.9





#52

Ethylbenzene

Concen: 43.328 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

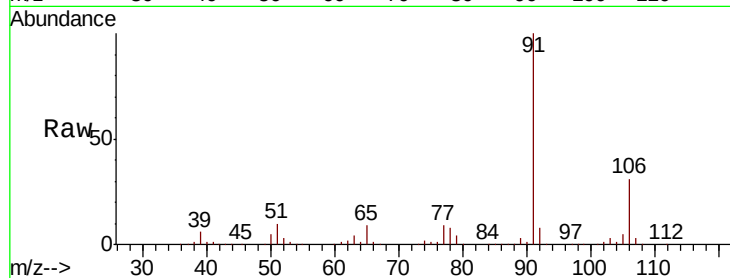
ClientSampleId :

Tot Ion: 91 Resp: 979361

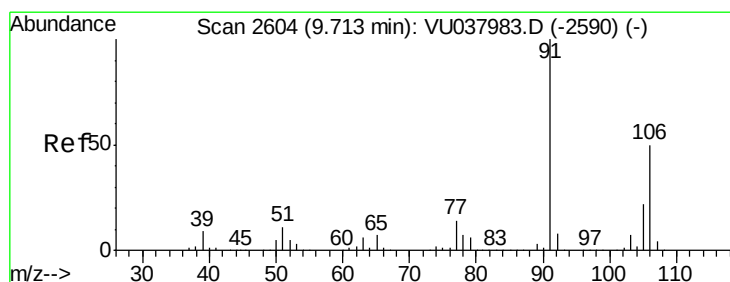
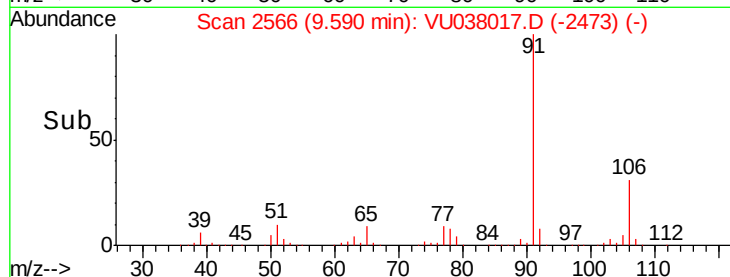
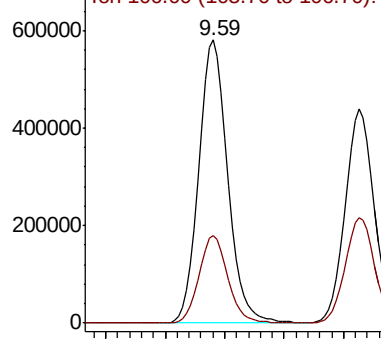
Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037983.D (-2552) (-)



#53

m,p-Xylene

Concen: 44.018 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038017.D

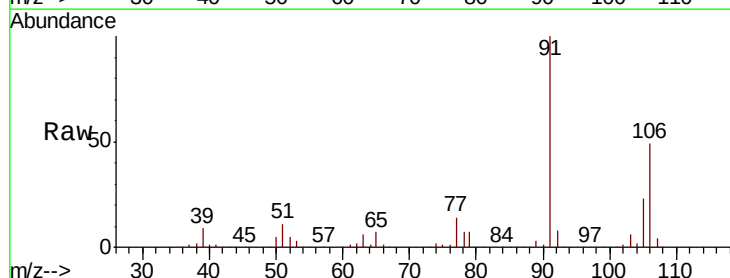
Acq: 06 May 2020 10:52

Tgt Ion: 106 Resp: 377779

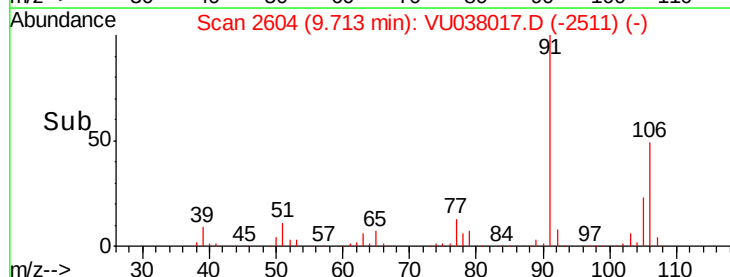
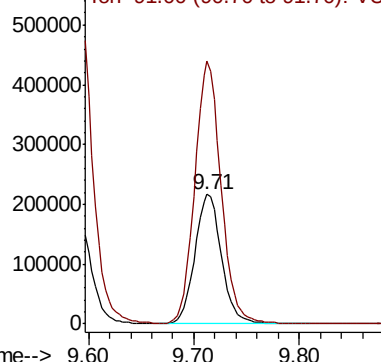
Ion Ratio Lower Upper

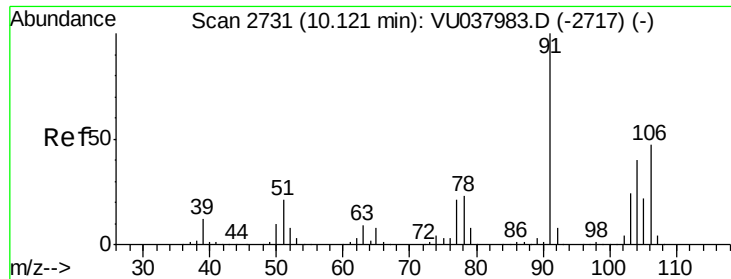
106 100

91 202.6 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037983.D (-2590) (-)

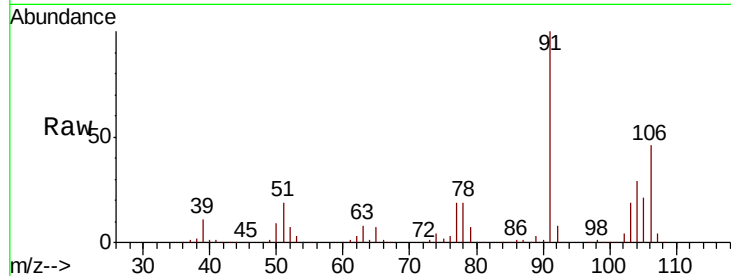




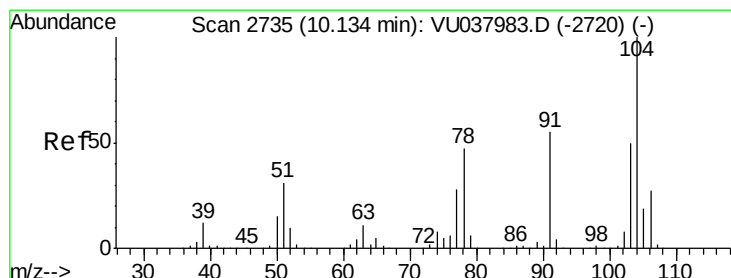
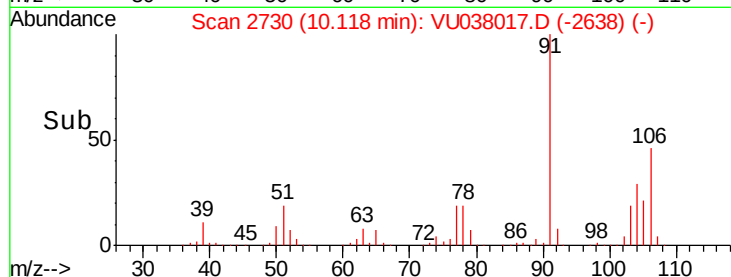
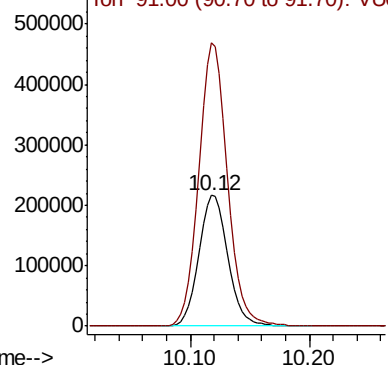
#54
o-xylene
Concen: 43.360 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 366386
Ion Ratio Lower Upper
106 100
91 216.7 149.4 277.4

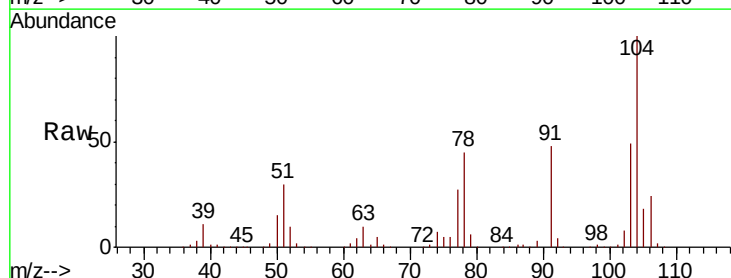


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

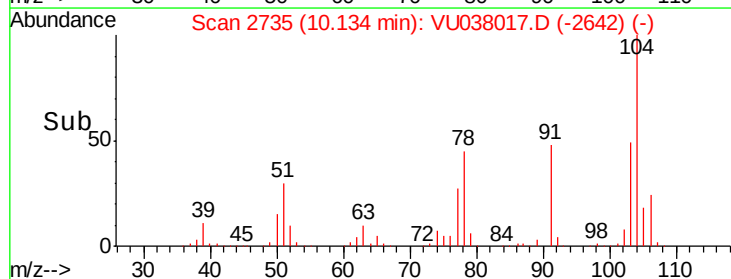
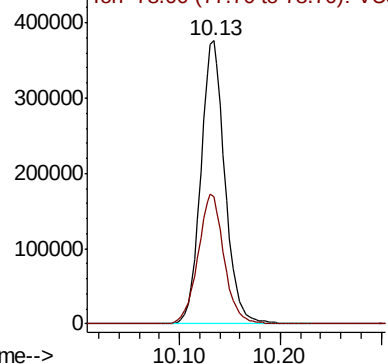


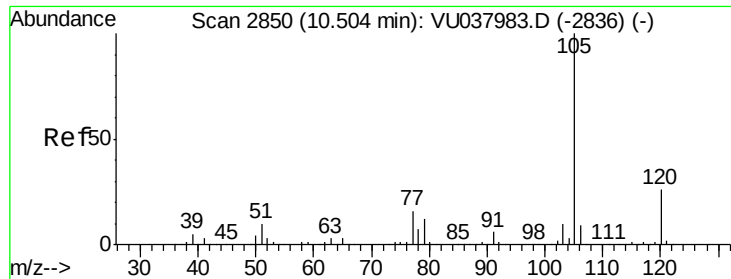
#55
Styrene
Concen: 43.598 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038017.D
Acq: 06 May 2020 10:52

Tgt Ion:104 Resp: 625743
Ion Ratio Lower Upper
104 100
78 44.8 32.3 60.1



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





#56

Isopropylbenzene

Concen: 43.877 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

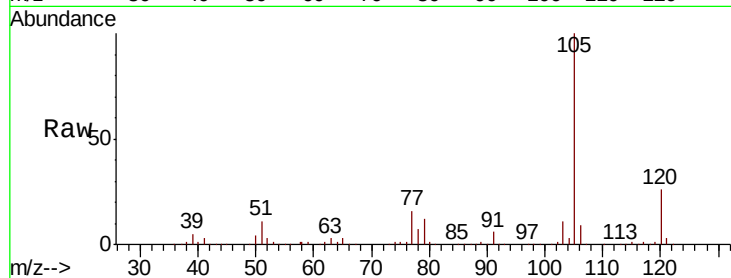
Tot Ion:105 Resp: 954637

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

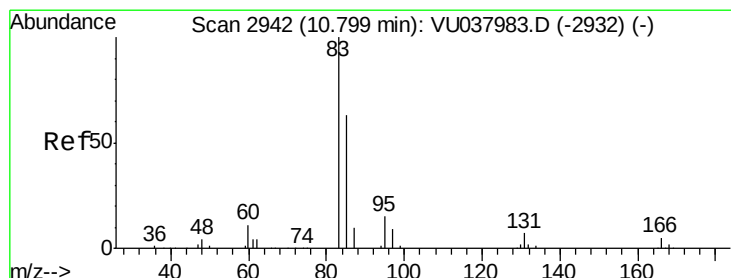
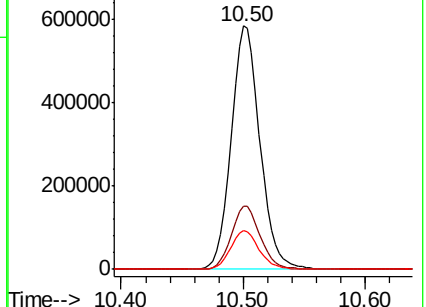
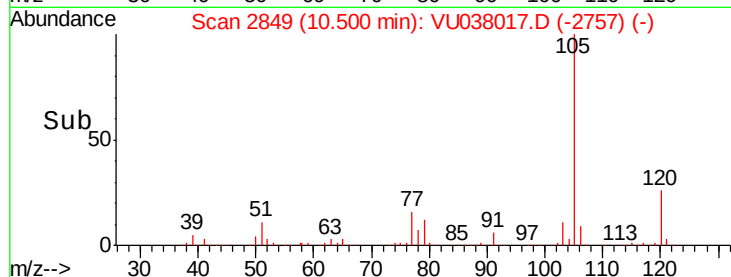
77 15.9 13.0 19.4



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: 42.577 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

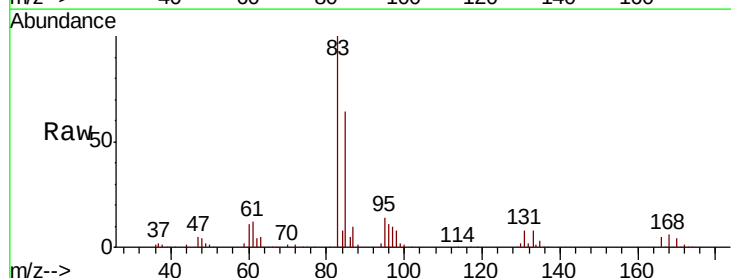
Tgt Ion: 83 Resp: 357225

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3

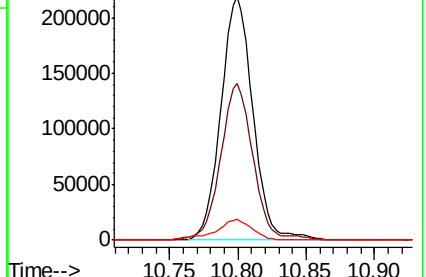
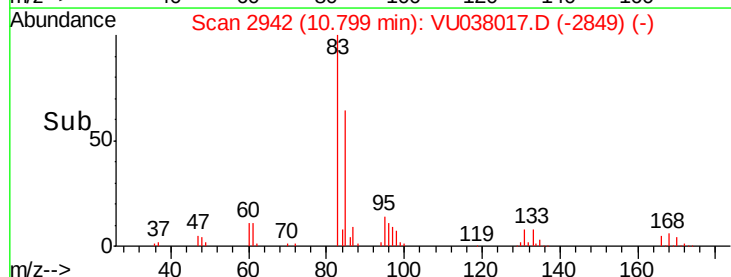
131 8.4 6.8 10.2

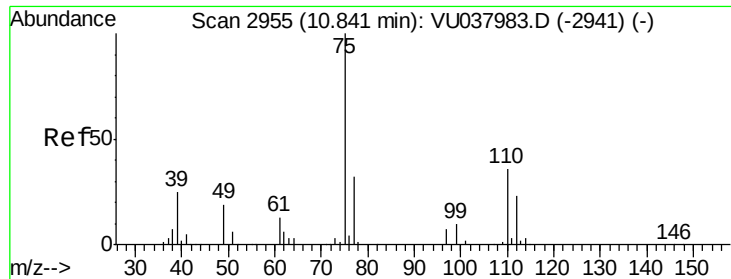


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 41.343 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

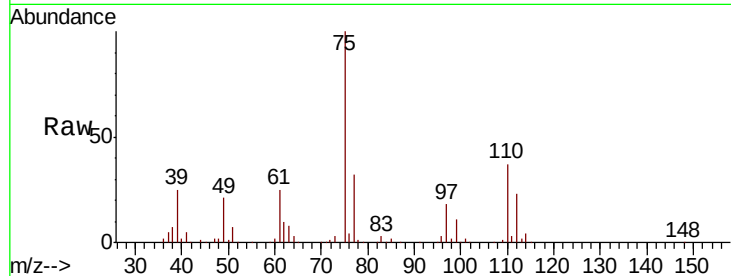
ClientSampleId :

Tot Ion: 75 Resp: 297454

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037983.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037983.D (-2941) (-)

10.84

200000

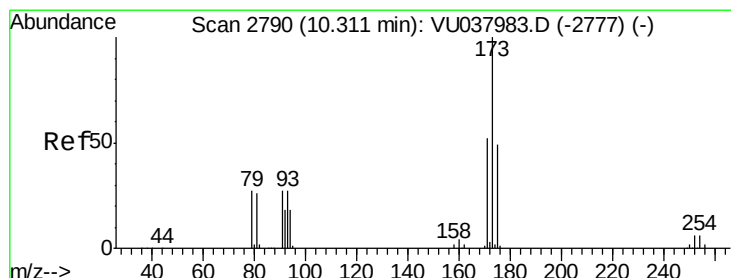
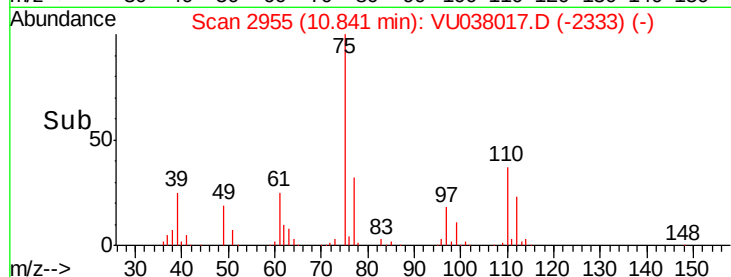
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 42.358 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

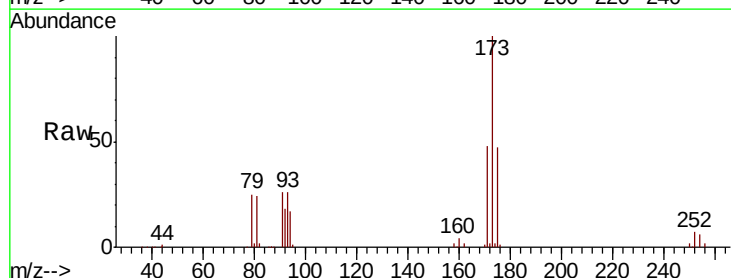
Tgt Ion: 173 Resp: 137070

Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

254 6.4 4.7 7.1



Abundance Ion 173.00 (172.70 to 173.70): VU037983.D (-2777) (-)

Ion 175.00 (174.70 to 175.70): VU037983.D (-2777) (-)

Ion 254.00 (253.70 to 254.70): VU037983.D (-2777) (-)

10.31

100000

80000

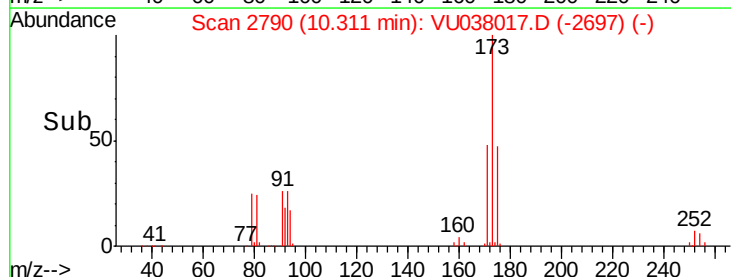
60000

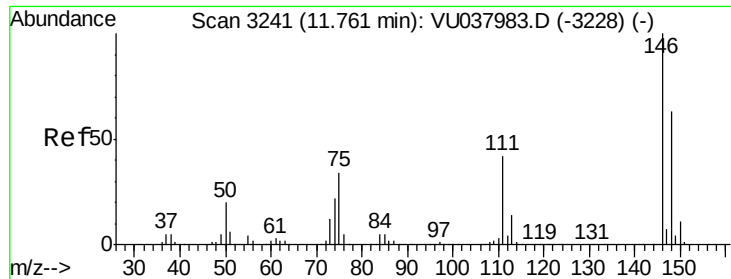
40000

20000

0

Time--> 10.25 10.30 10.35 10.40





#62

1,3-Dichlorobenzene

Concen: 42.921 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

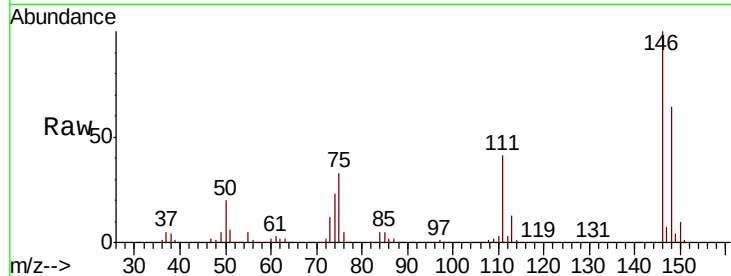
Tot Ion:146 Resp: 415878

Ion Ratio Lower Upper

146 100

111 41.3 29.2 54.2

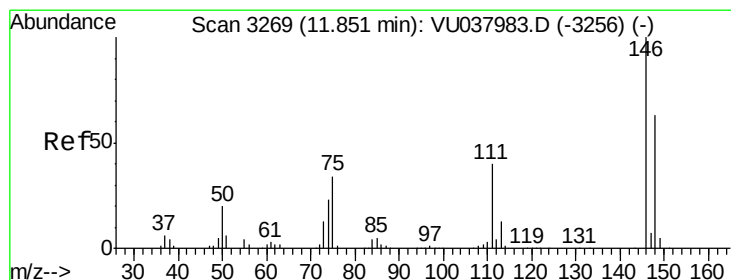
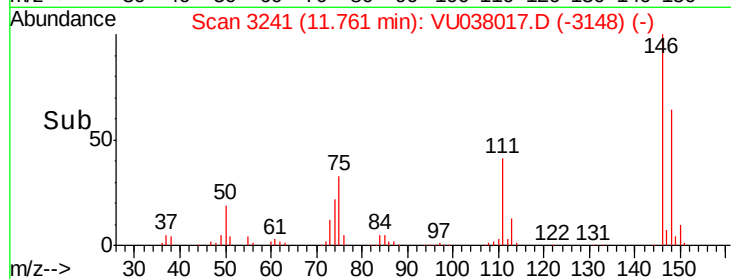
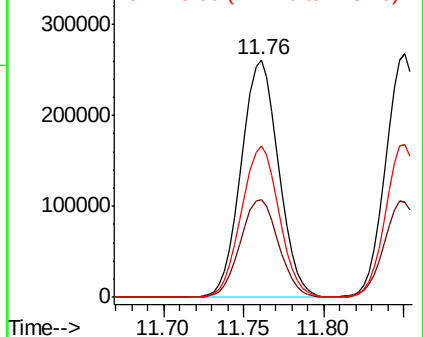
148 63.7 44.9 83.5



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: 43.300 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

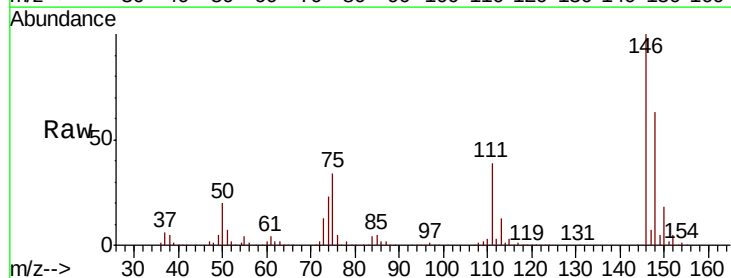
Tgt Ion:146 Resp: 423929

Ion Ratio Lower Upper

146 100

111 39.2 28.2 52.4

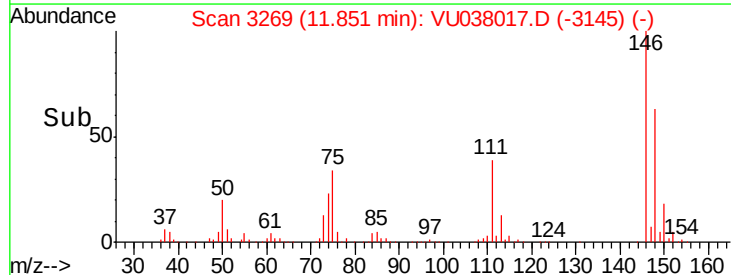
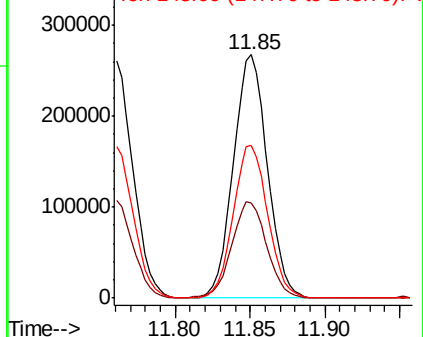
148 62.9 44.5 82.7

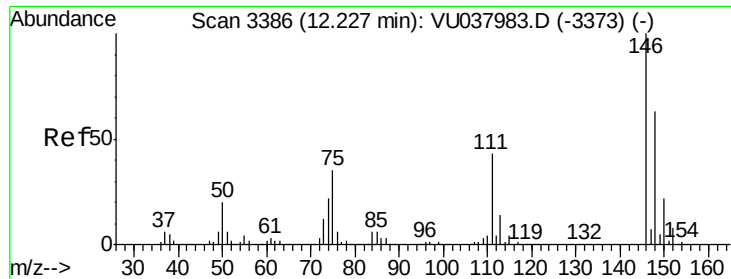


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 42.521 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

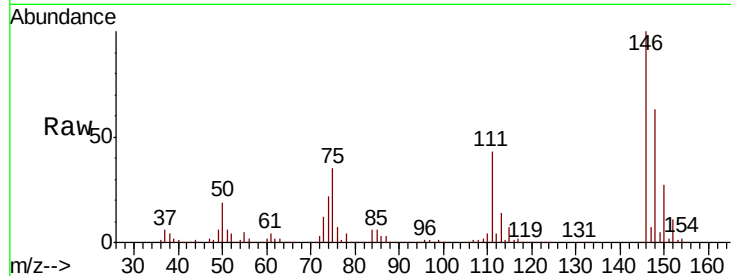
Tot Ion:146 Resp: 415633

Ion Ratio Lower Upper

146 100

111 42.9 34.6 51.8

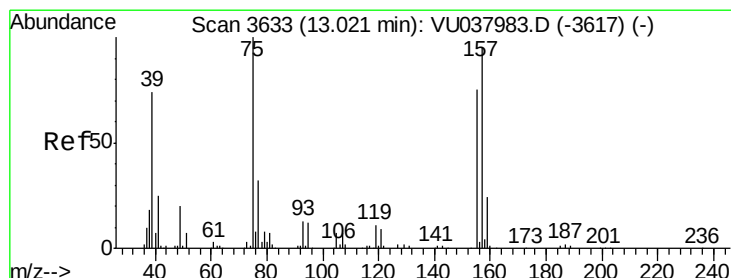
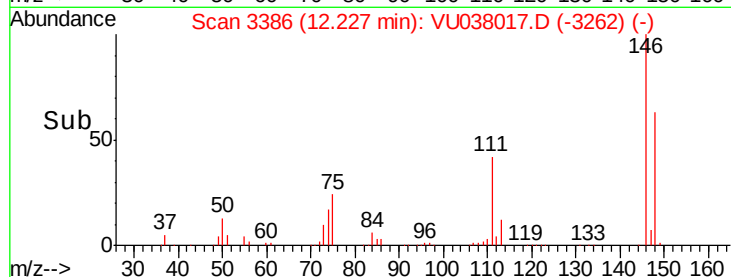
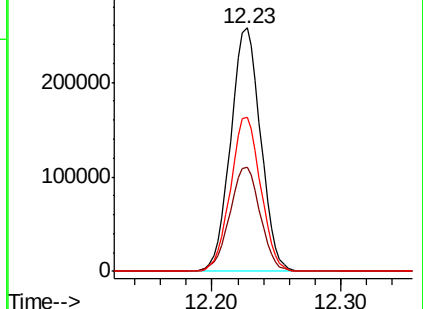
148 63.3 50.1 75.1



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: 39.283 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

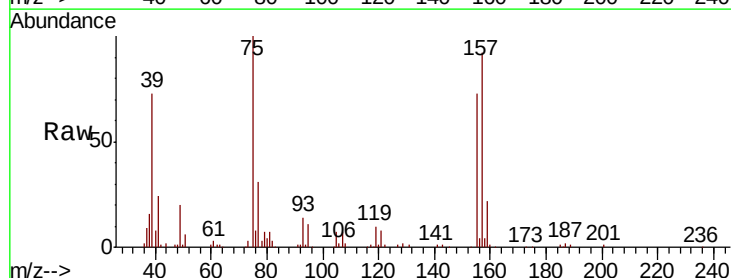
Tgt Ion: 75 Resp: 80149

Ion Ratio Lower Upper

75 100

155 73.1 61.3 91.9

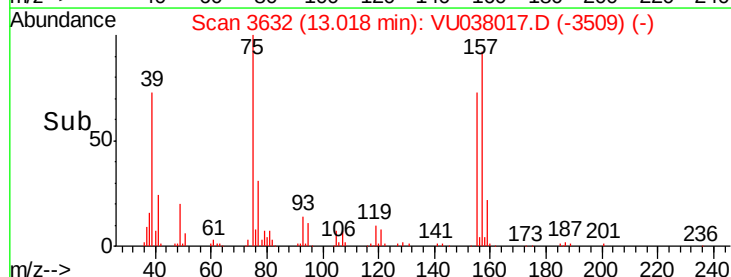
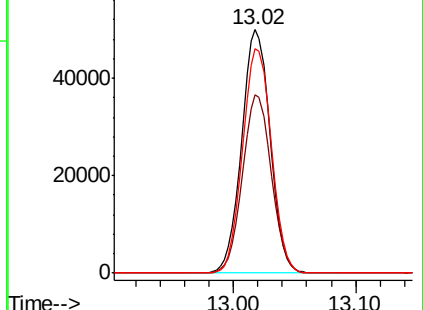
157 92.3 76.9 115.3

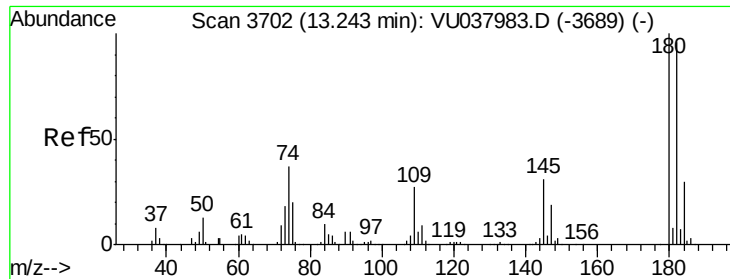


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

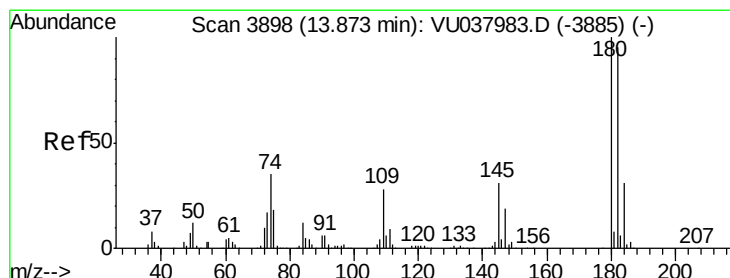
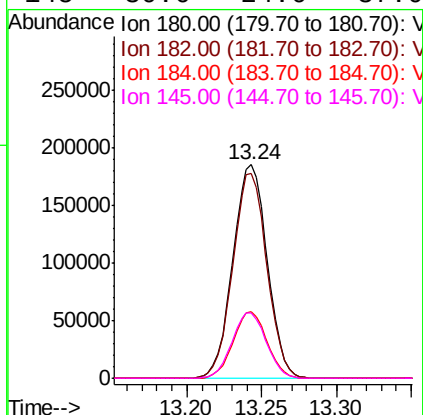
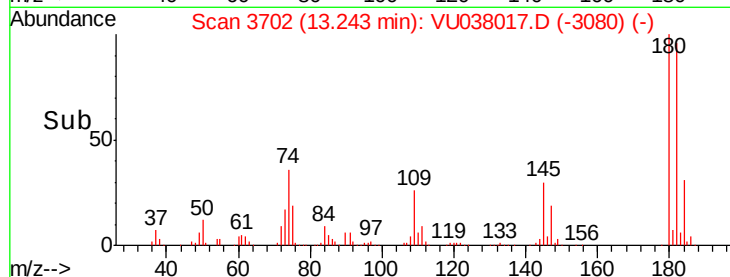
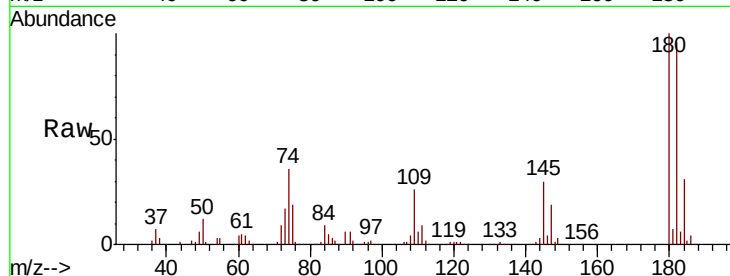




#67
 1,3,5-Trichlorobenzene
 Concen: 44.761 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

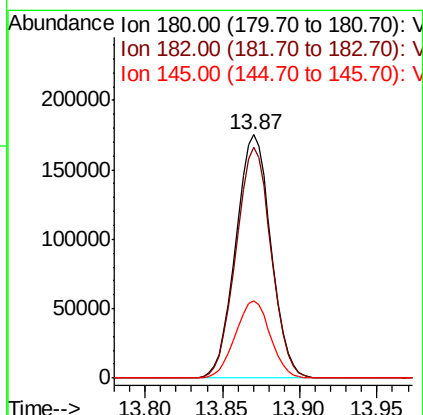
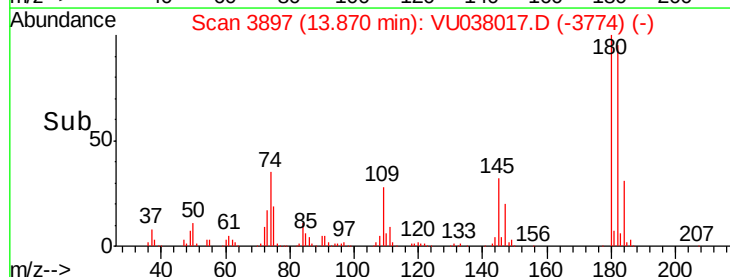
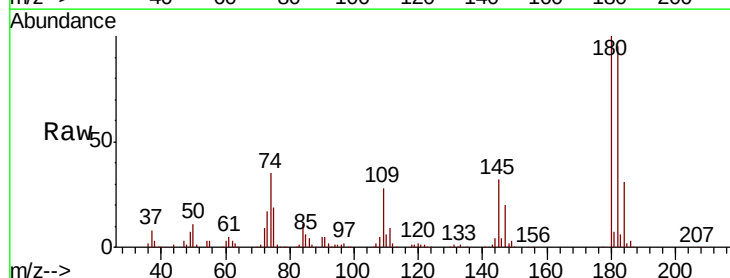
Instrument :
 MSVOA_U
 ClientSampled :

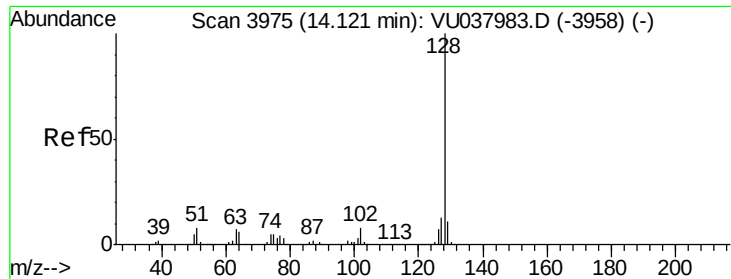
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
184	30.8	24.2	36.2
145	30.6	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 43.752 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU038017.D
 Acq: 06 May 2020 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.4	113.0
145	31.5	25.3	37.9





#69

Naphthalene

Concen: 41.233 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

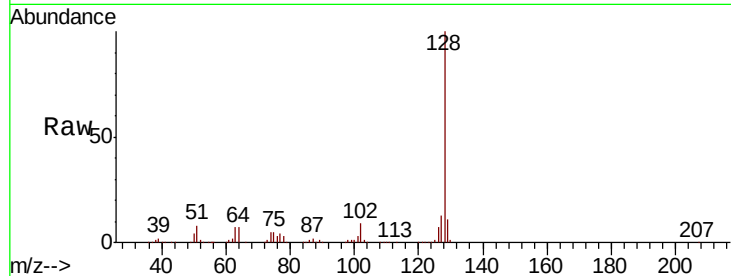
Tot Ion:128 Resp: 1001625

Ion Ratio Lower Upper

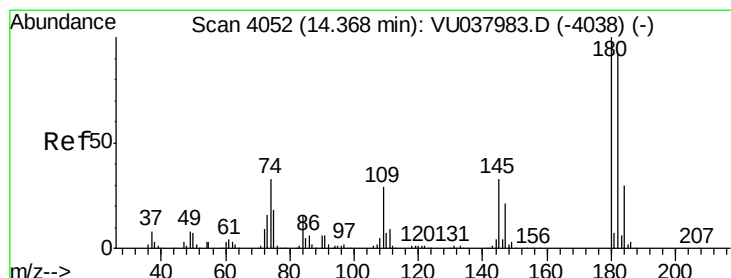
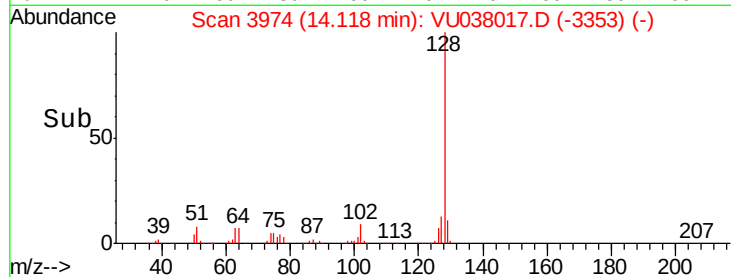
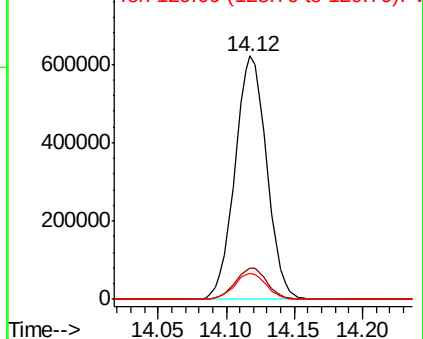
128 100

127 12.8 10.4 15.6

129 10.8 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: 44.468 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU038017.D

Acq: 06 May 2020 10:52

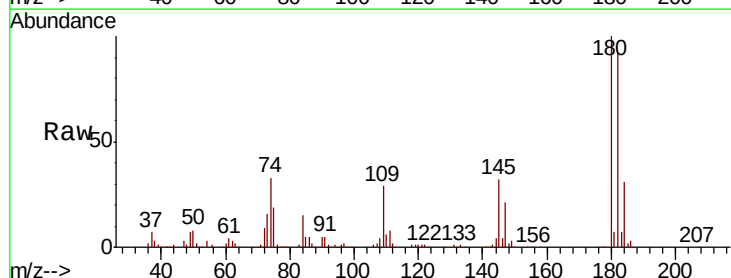
Tgt Ion:180 Resp: 277099

Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

145 32.8 27.0 40.4



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

