

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\
 Data File : VU038026.D
 Acq On : 06 May 2020 18:05
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 01:06:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 07 01:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	720184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	724825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	351131	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	213408	33.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.38%
7) Chloroethane-d5	1.93	69	194321	37.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.42%
11) 1,1-Dichloroethene-d2	2.59	63	395940	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	4.66	46	450701	91.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.03%
24) Chloroform-d	5.10	84	410557	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
26) 1,2-Dichloroethane-d4	5.74	65	276453	40.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.14%
32) Benzene-d6	5.76	84	831283	38.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.82%
36) 1,2-Dichloropropane-d6	6.72	67	283565	40.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.06%
41) Toluene-d8	7.92	98	749190	38.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.46%#
43) trans-1,3-Dichloropropene-	8.20	79	129551	39.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.00%
47) 2-Hexanone-d5	8.65	63	256413	83.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.23%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	431946	42.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.64%
64) 1,2-Dichlorobenzene-d4	12.20	152	292929	39.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.80%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	248848	44.411	ug/L 99
3) Chloromethane	1.53	50	318913	44.910	ug/L 100
5) Vinyl chloride	1.62	62	337530	46.778	ug/L 98
6) Bromomethane	1.86	94	155039	45.112	ug/L 97
8) Chloroethane	1.95	64	204987	47.238	ug/L 99
9) Trichlorofluoromethane	2.15	101	351860	46.918	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	209846	45.529	ug/L 98
12) 1,1-Dichloroethene	2.60	96	219198	46.472	ug/L 99
13) Acetone	2.65	43	294349	92.302	ug/L 100
14) Carbon disulfide	2.82	76	684073	43.782	ug/L 99
15) Methyl Acetate	2.98	43	340708	49.070	ug/L 100
16) Methylene chloride	3.07	84	263307	47.358	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	236446	46.430	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	807779	47.673	ug/L 100
19) 1,1-Dichloroethane	3.91	63	490791	48.380	ug/L 99
20) cis-1,2-Dichloroethene	4.70	96	269205	47.809	ug/L 98
22) 2-Butanone	4.74	43	501648	97.193	ug/L 99

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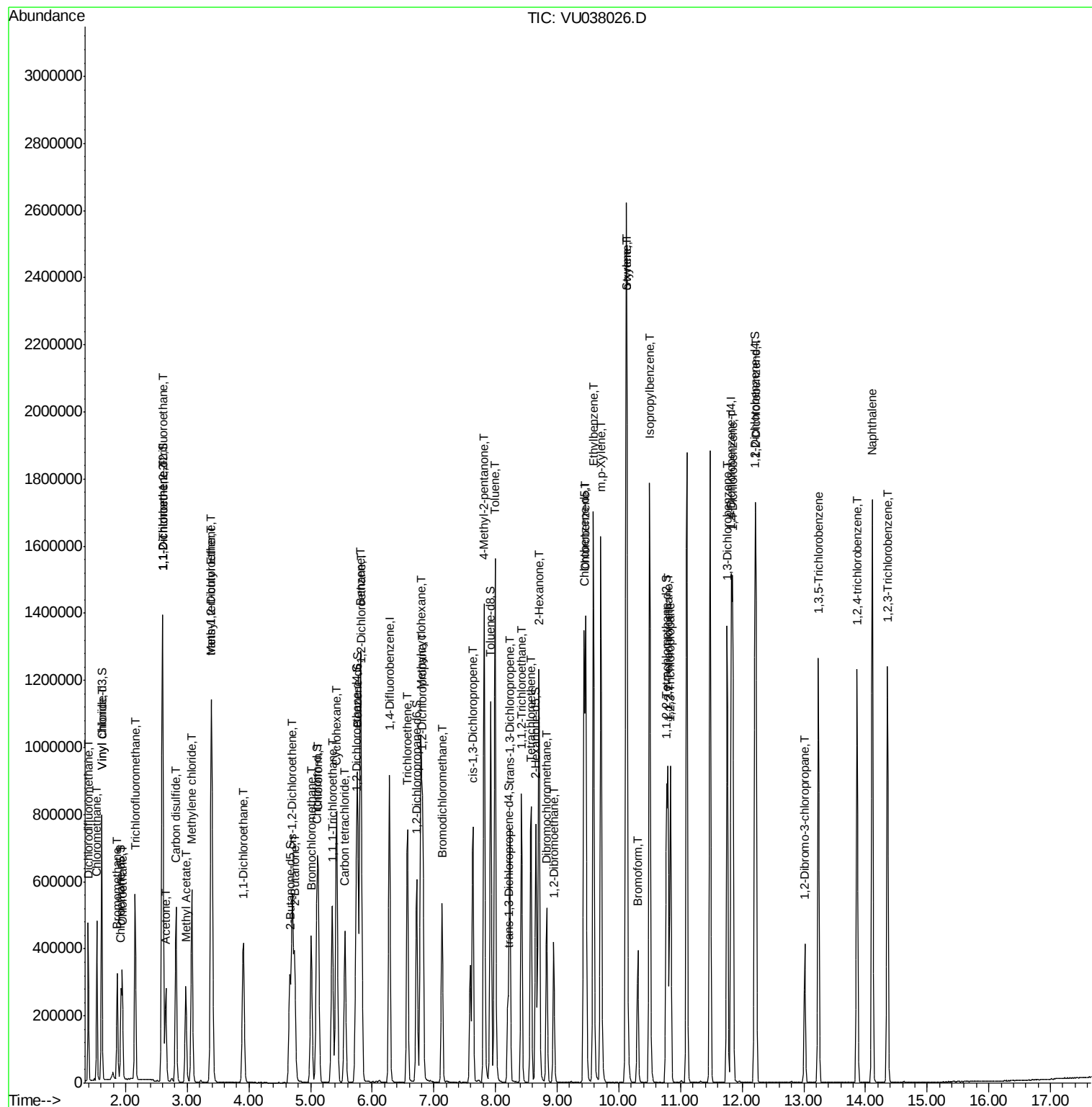
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	128167	48.389	uq/L	98
25) Chloroform	5.12	83	466668	47.922	uq/L	100
27) 1,2-Dichloroethane	5.83	62	380813	47.292	uq/L	100
29) Cyclohexane	5.42	56	427381	45.125	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	380020	47.167	uq/L	100
31) Carbon tetrachloride	5.56	117	302174	47.511	uq/L	99
33) Benzene	5.81	78	1059302	46.750	uq/L	100
34) Trichloroethene	6.57	95	258436	47.035	uq/L	99
35) Methylcyclohexane	6.79	83	408639	44.275	uq/L	99
37) 1,2-Dichloropropane	6.82	63	289140	47.728	uq/L	99
38) Bromodichloromethane	7.13	83	346575	47.117	uq/L	98
39) cis-1,3-Dichloropropene	7.63	75	441001	47.489	uq/L	98
40) 4-Methyl-2-pentanone	7.82	43	939411	95.706	uq/L	99
42) Toluene	7.99	91	1128007	47.383	uq/L	100
44) trans-1,3-Dichloropropene	8.23	75	404377	46.641	uq/L	99
45) 1,1,2-Trichloroethane	8.42	97	261287	47.621	uq/L	100
46) Tetrachloroethene	8.57	164	182345	45.455	uq/L	99
48) 2-Hexanone	8.70	43	778868	96.287	uq/L	100
49) Dibromochloromethane	8.83	129	254970	48.185	uq/L	99
50) 1,2-Dibromoethane	8.94	107	272448	46.225	uq/L	96
51) Chlorobenzene	9.47	112	704678	47.541	uq/L	99
52) Ethylbenzene	9.59	91	1260445	47.763	uq/L	100
53) m,p-Xylene	9.71	106	483144	48.219	uq/L	99
54) o-xylene	10.11	106	472712	47.918	uq/L	98
55) Styrene	10.13	104	811851	48.450	uq/L	99
56) Isopropylbenzene	10.50	105	1221365	48.083	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	456798	46.634	uq/L	99
59) 1,2,3-Trichloropropane	10.84	75	394978	47.022	uq/L	100
61) Bromoform	10.31	173	174226	46.405	uq/L	100
62) 1,3-Dichlorobenzene	11.76	146	536472	47.720	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	534769	47.077	uq/L	99
65) 1,2-Dichlorobenzene	12.22	146	533241	47.019	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	103109	43.557	uq/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	367099	47.899	uq/L	99
68) 1,2,4-trichlorobenzene	13.86	180	351989	47.915	uq/L	99
69) Naphthalene	14.11	128	1343278	47.661	uq/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	359283	49.694	uq/L	99

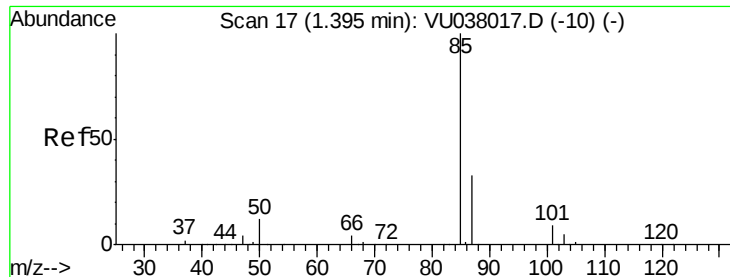
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.411 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

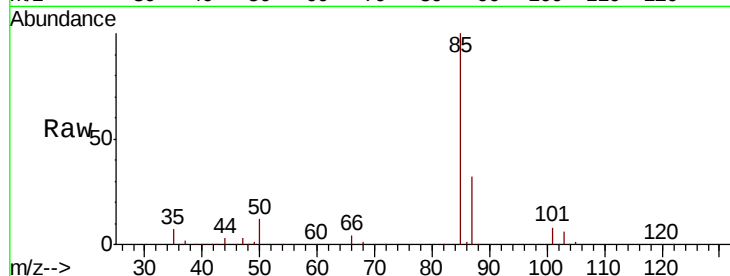
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 248848

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038017.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU038017.D (-10) (-)

1.39

250000

200000

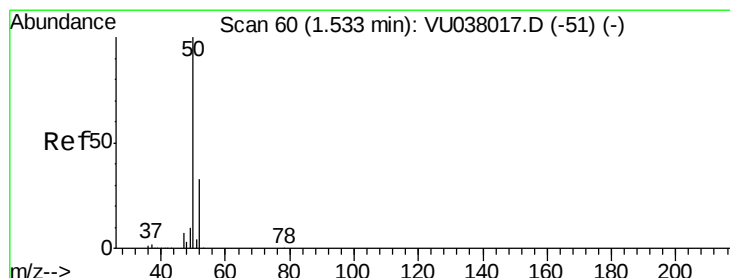
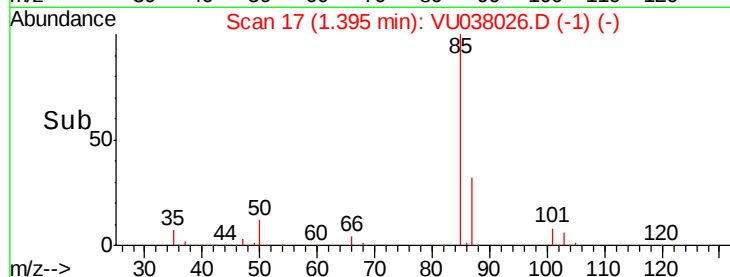
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.910 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038026.D

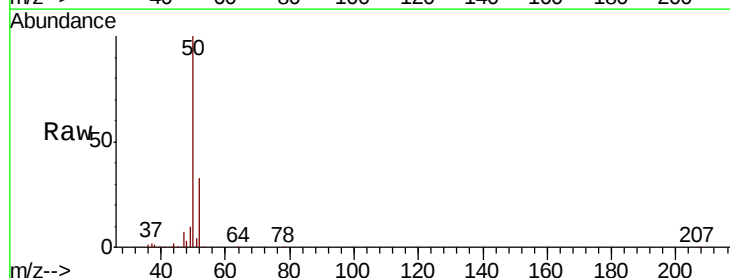
Acq: 06 May 2020 18:05

Tgt Ion: 50 Resp: 318913

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU038017.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038017.D (-51) (-)

1.53

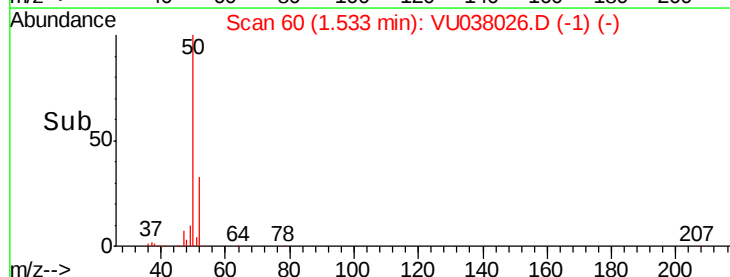
300000

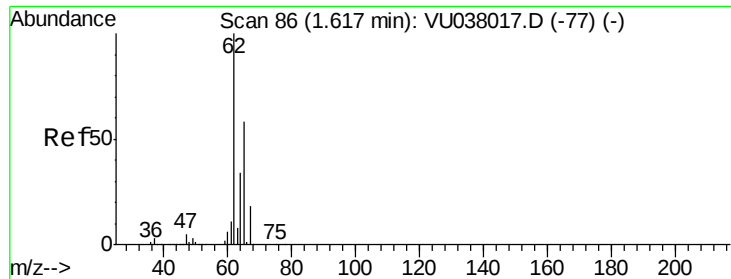
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 46.778 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

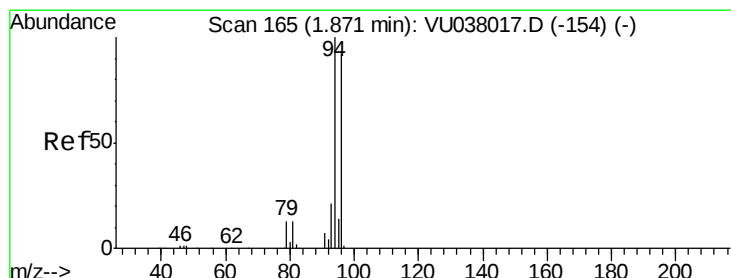
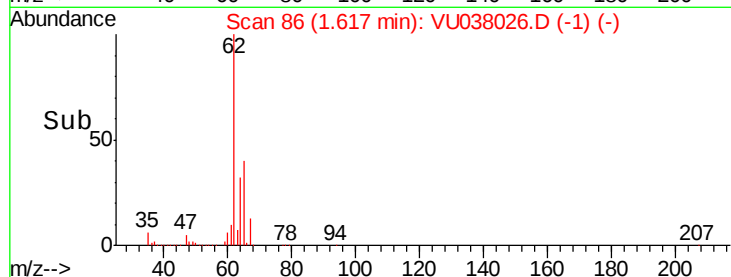
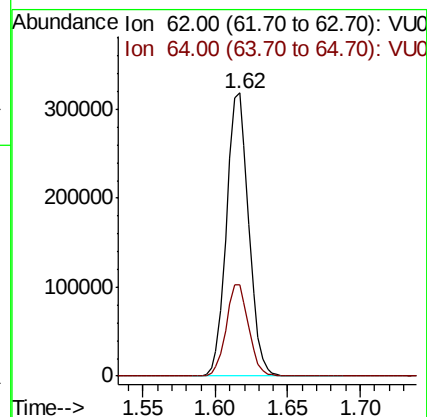
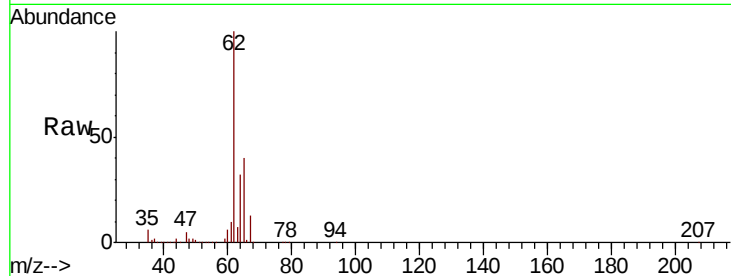
ClientSampleId :

Tot Ion: 62 Resp: 337530

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.2



#6

Bromomethane

Concen: 45.112 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU038026.D

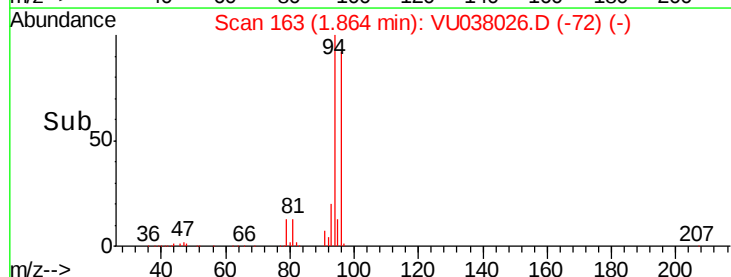
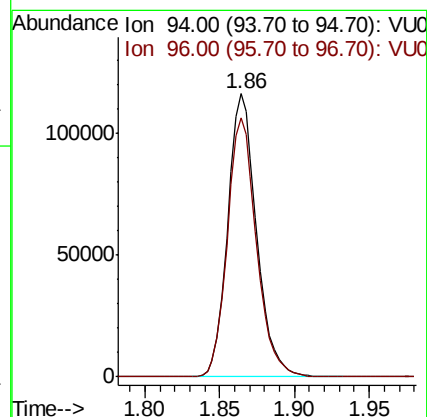
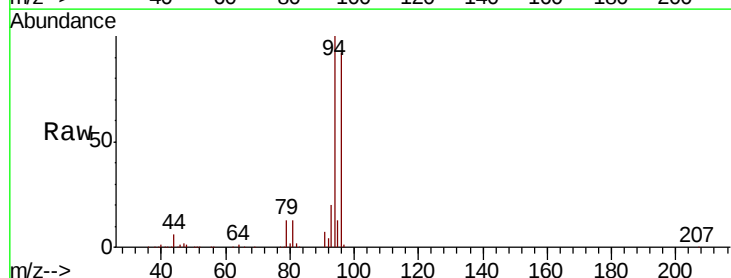
Acq: 06 May 2020 18:05

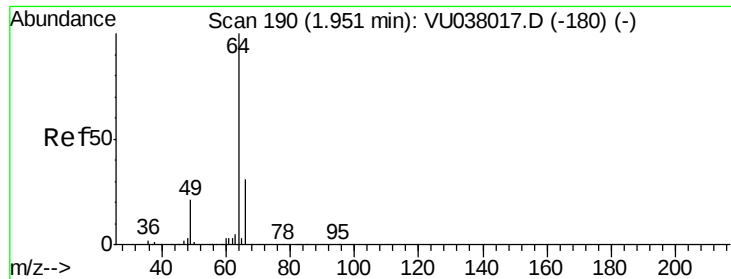
Tgt Ion: 94 Resp: 155039

Ion Ratio Lower Upper

94 100

96 91.7 65.9 122.5





#8

Chloroethane

Concen: 47.238 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

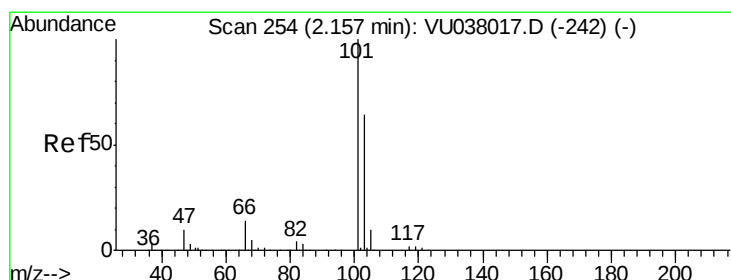
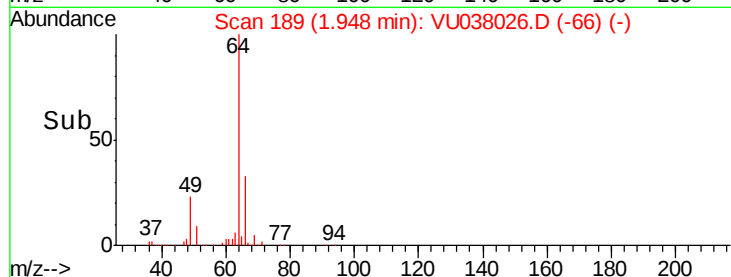
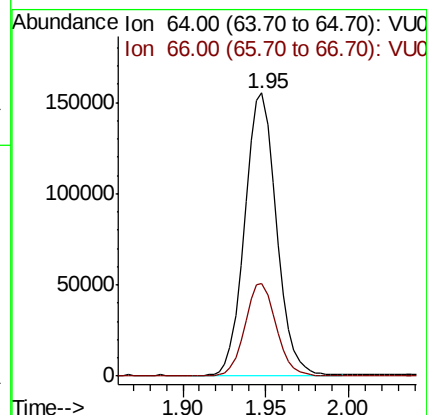
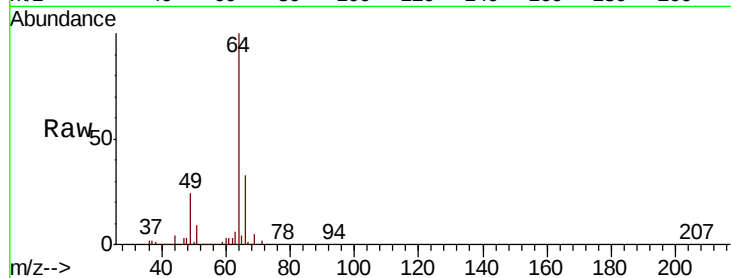
ClientSampleId :

Tot Ion: 64 Resp: 204987

Ion Ratio Lower Upper

64 100

66 32.6 22.5 41.7



#9

Trichlorofluoromethane

Concen: 46.918 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU038026.D

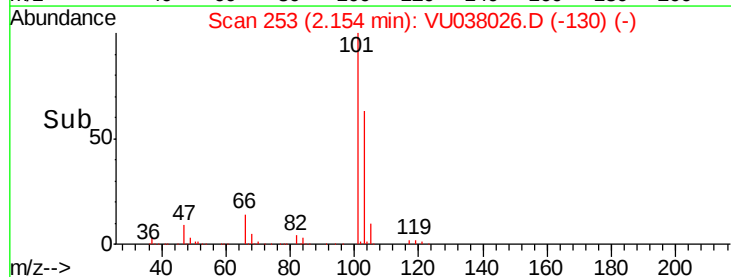
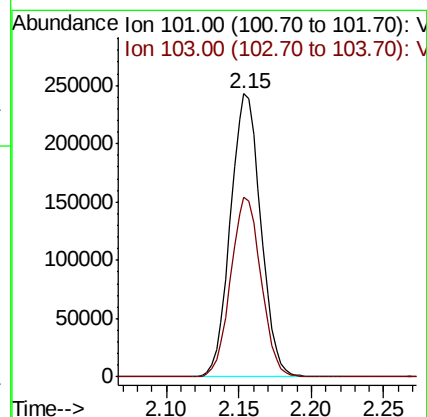
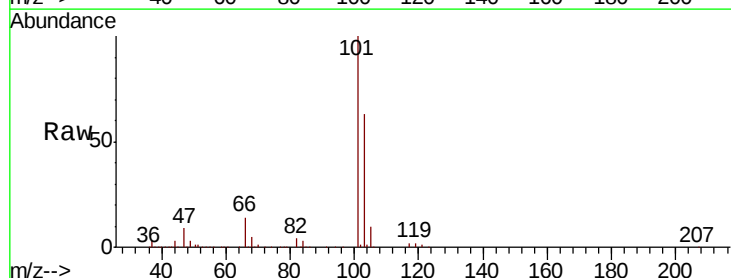
Acq: 06 May 2020 18:05

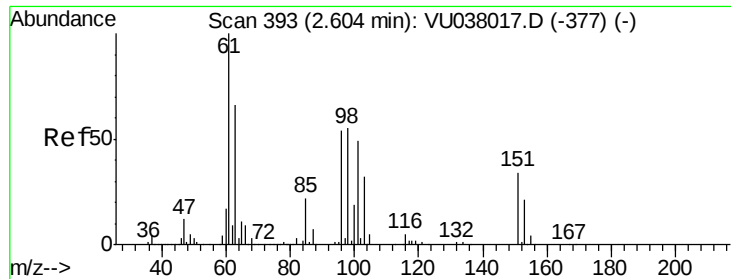
Tgt Ion:101 Resp: 351860

Ion Ratio Lower Upper

101 100

103 63.4 51.4 77.0





#10

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

Concen: 45.529 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

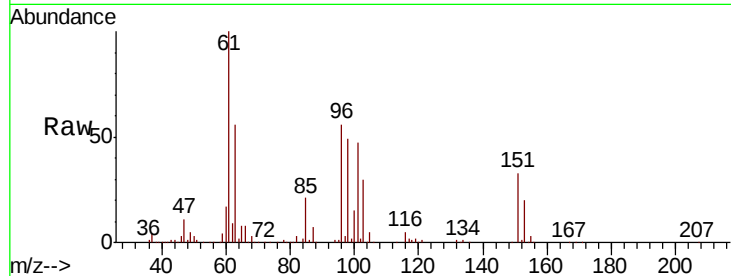
Tot Ion:101 Resp: 209846

Ion Ratio Lower Upper

101 100

85 44.3 34.7 52.1

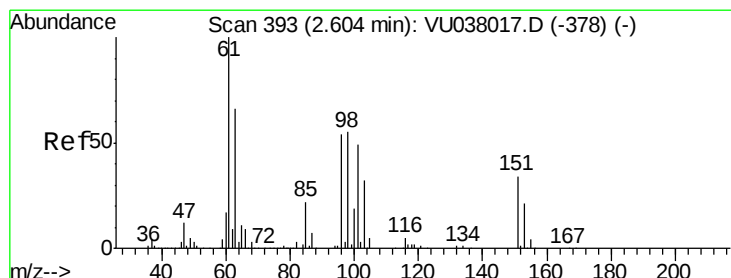
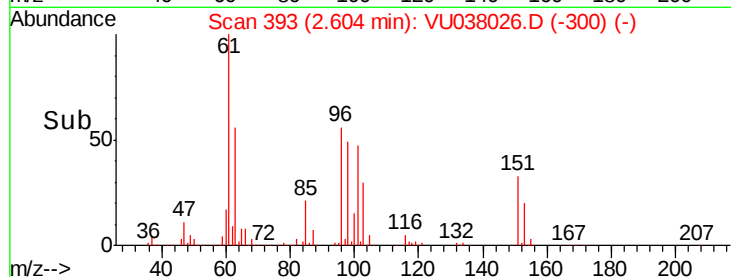
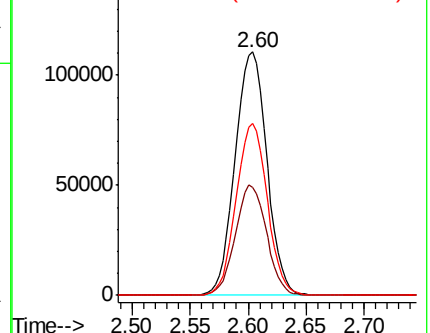
151 69.4 53.4 80.2



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: 46.472 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

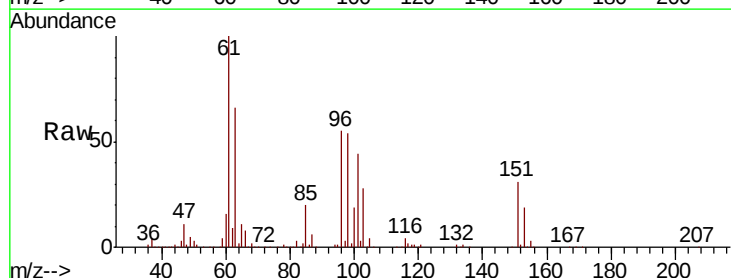
Tgt Ion: 96 Resp: 219198

Ion Ratio Lower Upper

96 100

61 182.5 126.1 234.3

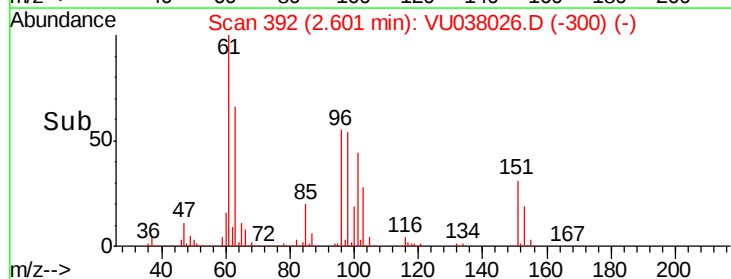
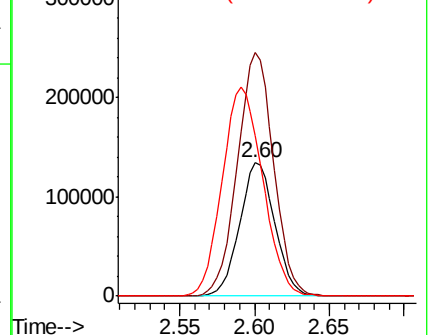
63 120.2 83.4 154.8

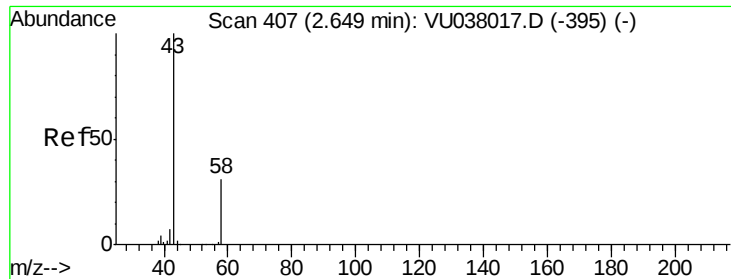


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.302 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

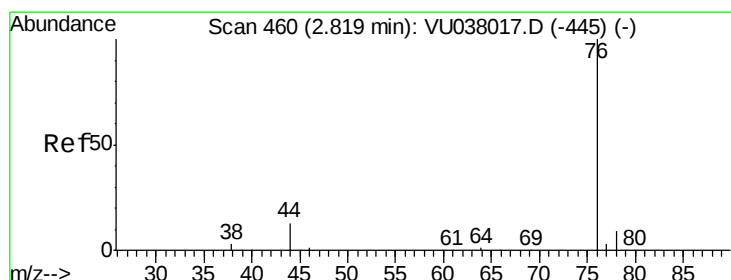
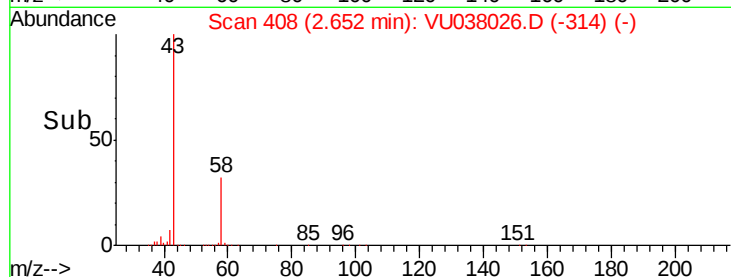
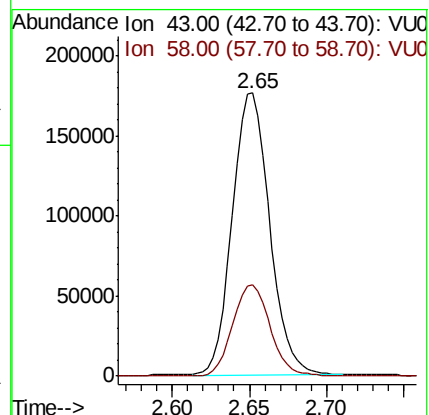
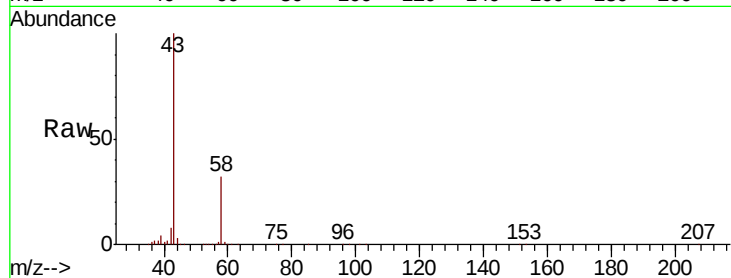
ClientSampled :

Tot Ion: 43 Resp: 294349

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.4



#14

Carbon disulfide

Concen: 43.782 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU038026.D

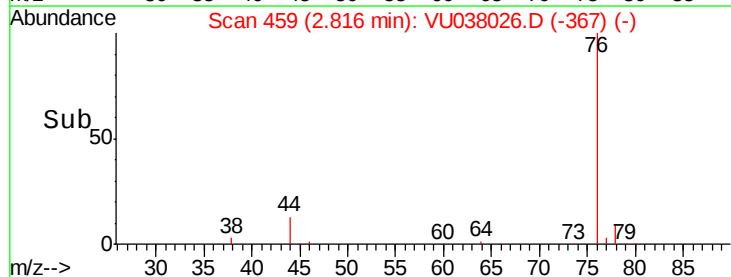
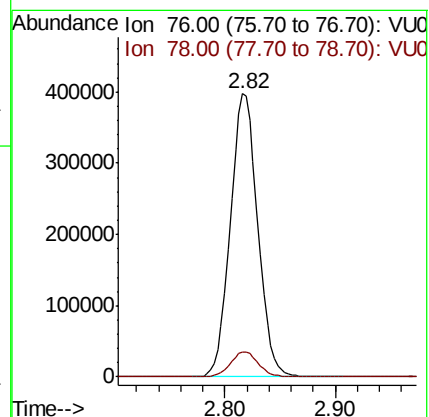
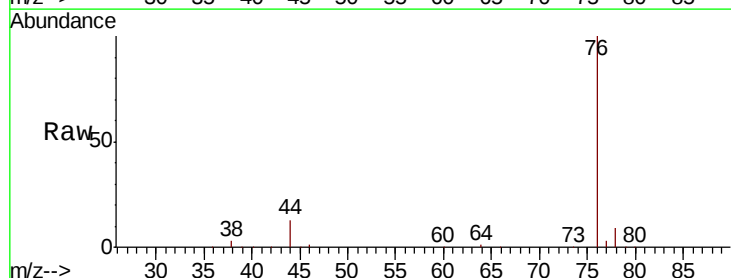
Acq: 06 May 2020 18:05

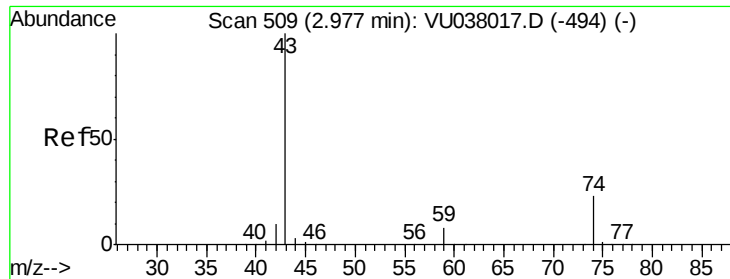
Tgt Ion: 76 Resp: 684073

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

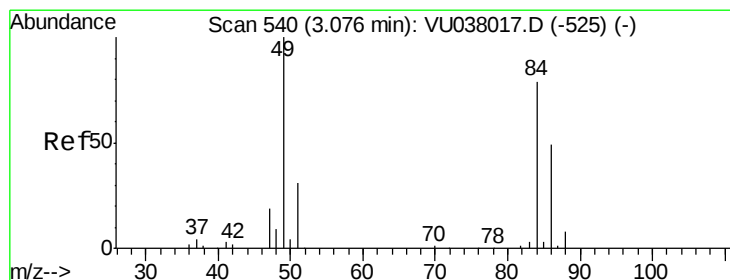
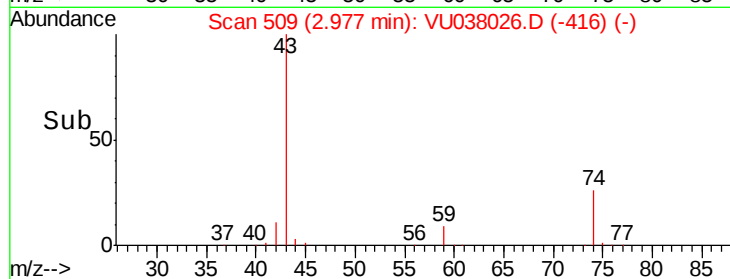
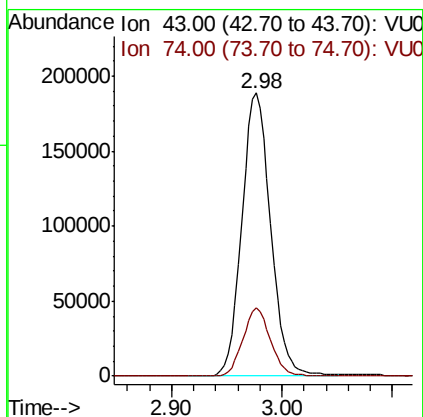
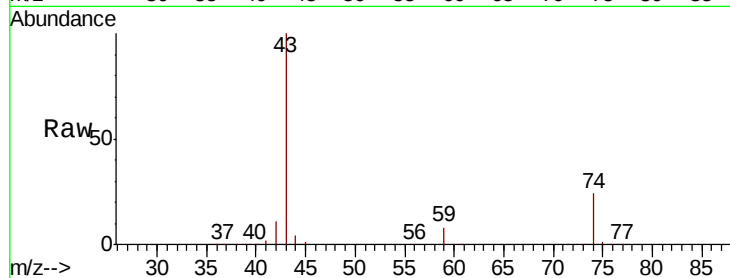




#15
Methvl Acetate
Concen: 49.070 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

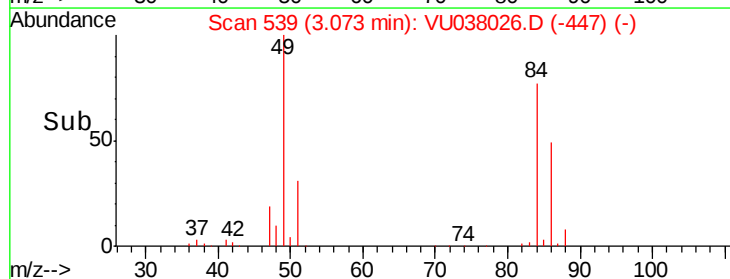
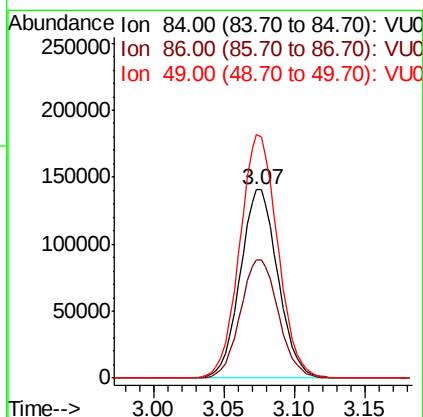
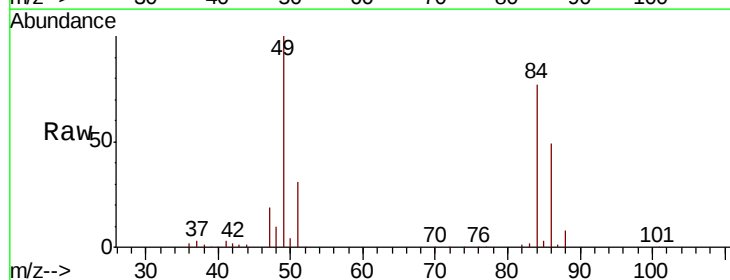
Instrument :
MSVOA_U
ClientSampled :

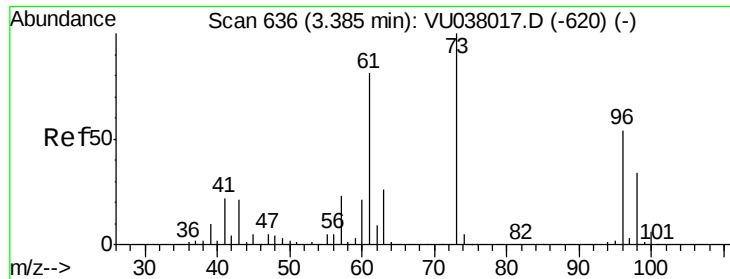
Tot Ion: 43 Resp: 340708
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 47.358 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

Tgt Ion: 84 Resp: 263307
Ion Ratio Lower Upper
84 100
86 62.9 45.1 83.9
49 129.3 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 46.430 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

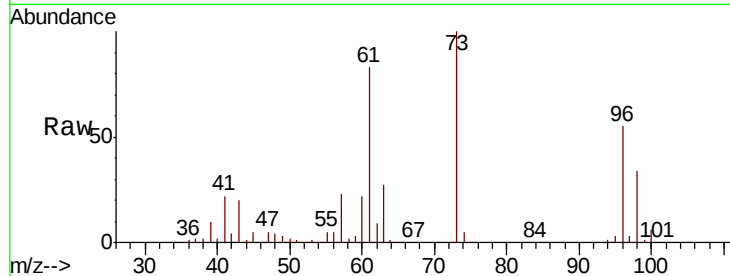
Tot Ion: 96 Resp: 236446

Ion Ratio Lower Upper

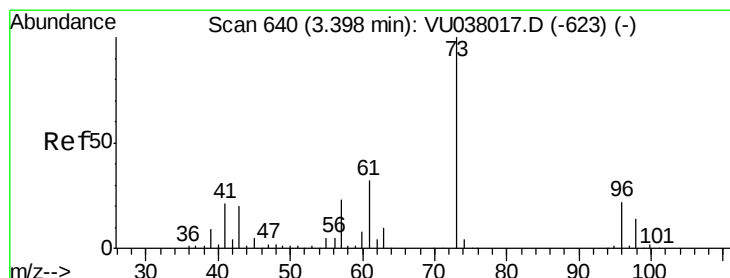
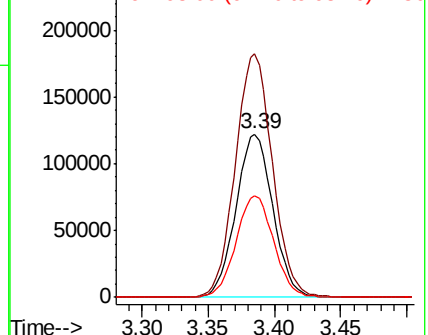
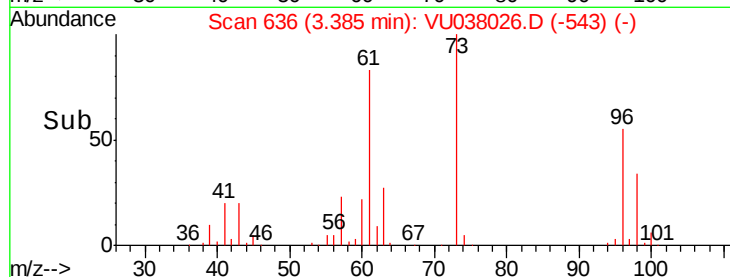
96 100

61 149.1 104.9 194.9

98 62.1 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



#18

Methyl tert-butyl Ether

Concen: 47.673 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

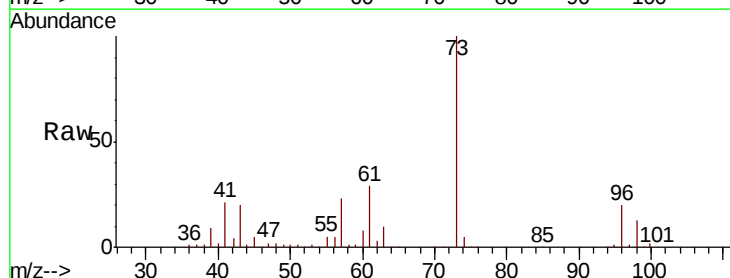
Tgt Ion: 73 Resp: 807779

Ion Ratio Lower Upper

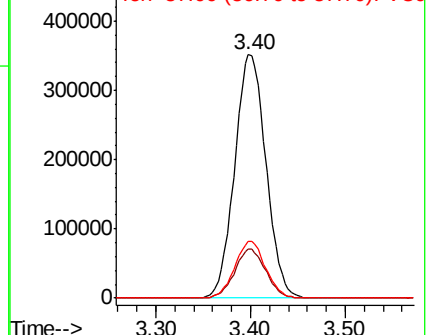
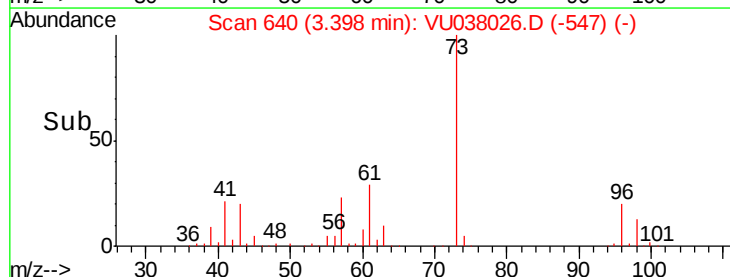
73 100

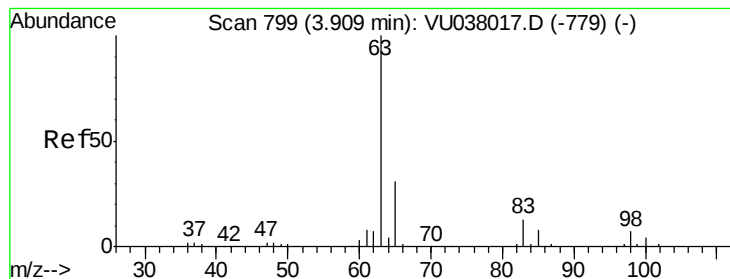
43 20.0 16.3 24.5

57 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.380 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

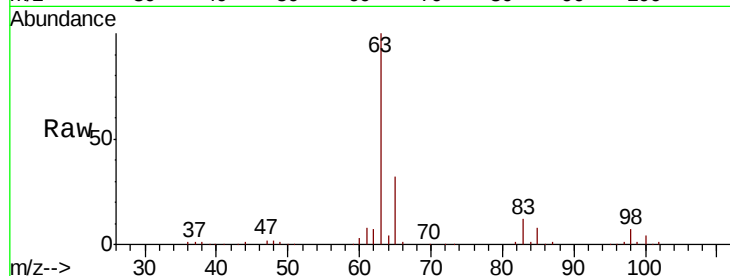
Tot Ion: 63 Resp: 490791

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 12.4 8.5 15.7

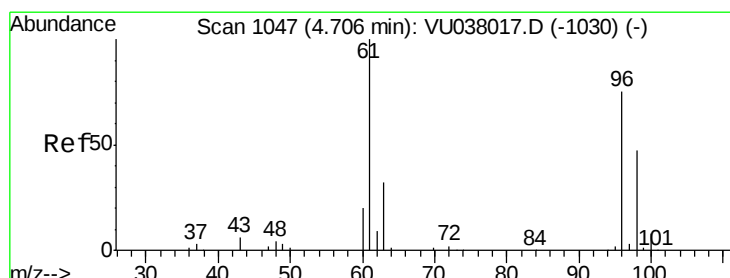
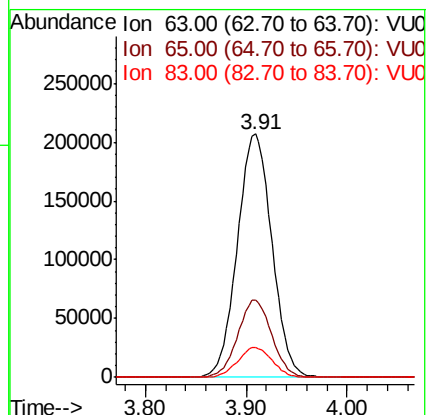
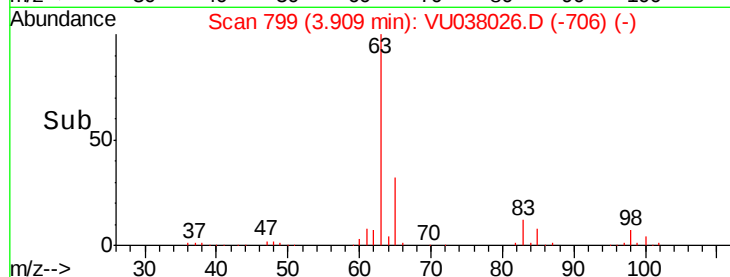


Abundance Ion 63.00 (62.70 to 63.70): VU038017.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU038017.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU038017.D (-779) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 47.809 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

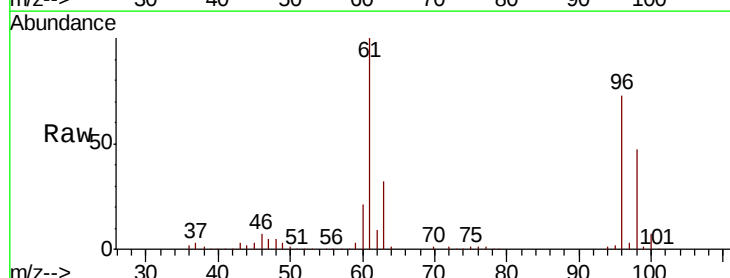
Tgt Ion: 96 Resp: 269205

Ion Ratio Lower Upper

96 100

61 136.2 93.9 174.3

68 0.0 0.0 0.0

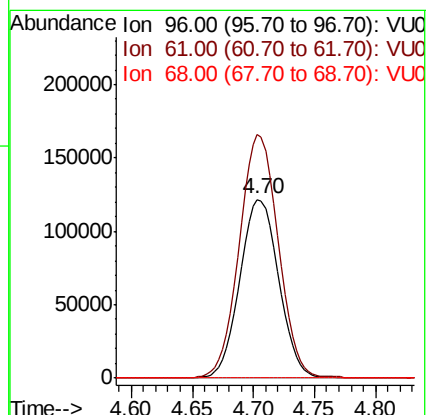
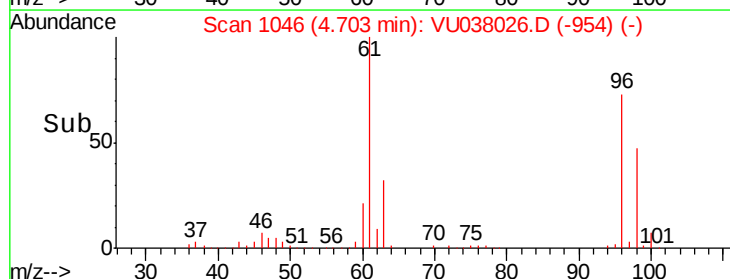


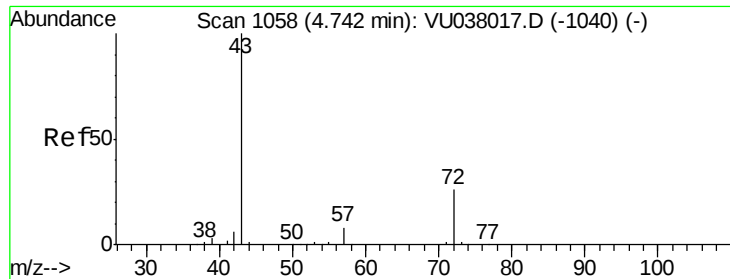
Abundance Ion 96.00 (95.70 to 96.70): VU038017.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU038017.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU038017.D (-1030) (-)

Time-->





#22

2-Butanone

Concen: 97.193 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

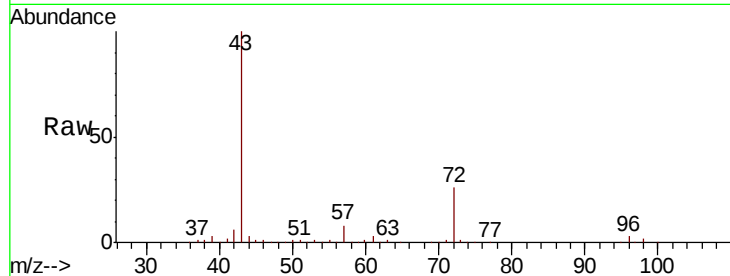
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 501648

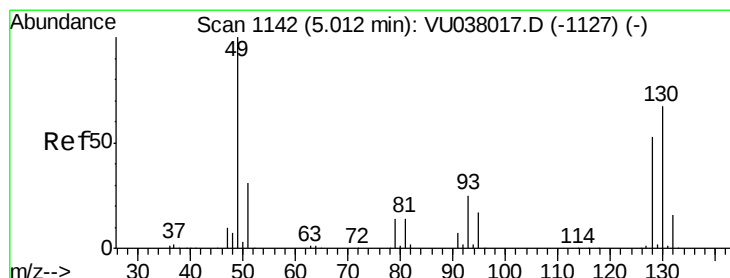
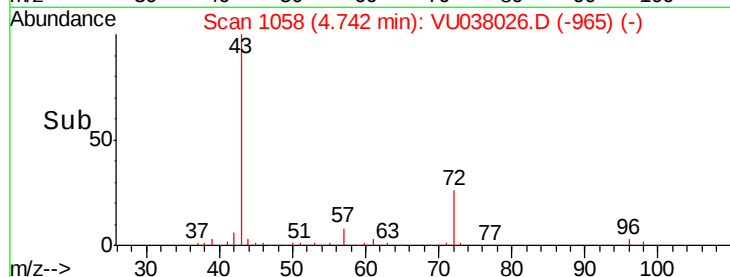
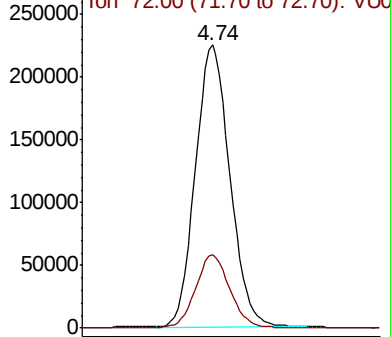
Ion Ratio Lower Upper

43 100

72 26.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU038026.D (-965) (-)



#23

Bromochloromethane

Concen: 48.389 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Tgt Ion: 128 Resp: 128167

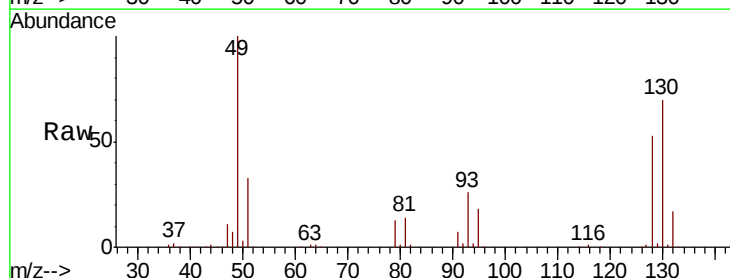
Ion Ratio Lower Upper

128 100

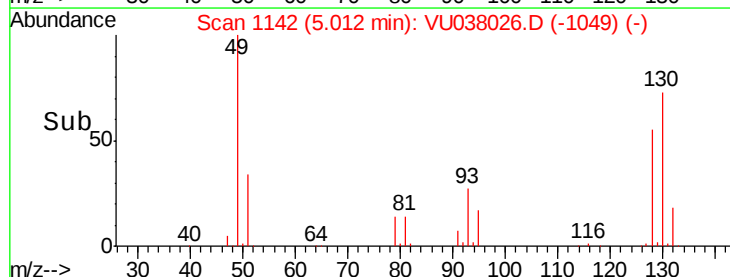
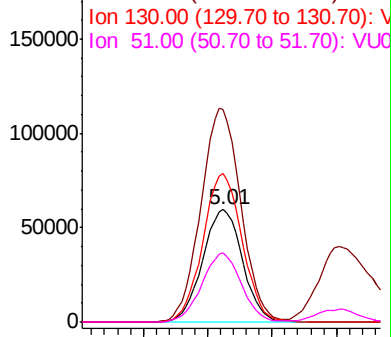
49 189.1 136.2 252.9

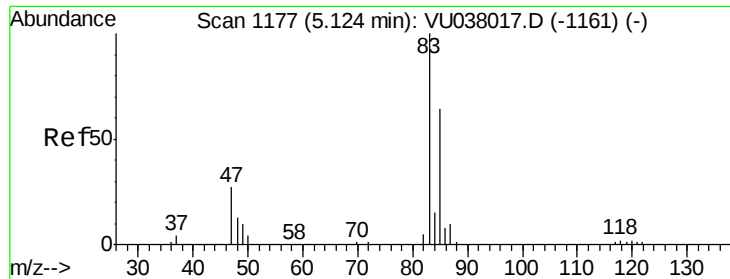
130 131.9 91.3 169.5

51 61.8 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU038026.D (-1049) (-)

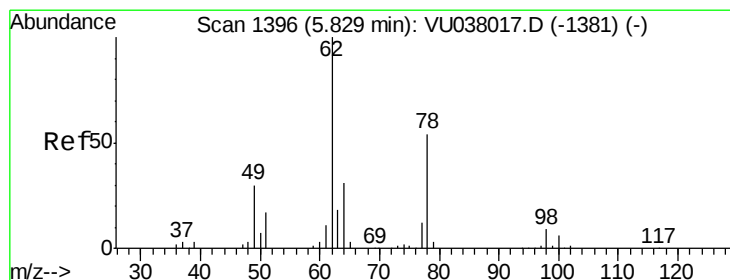
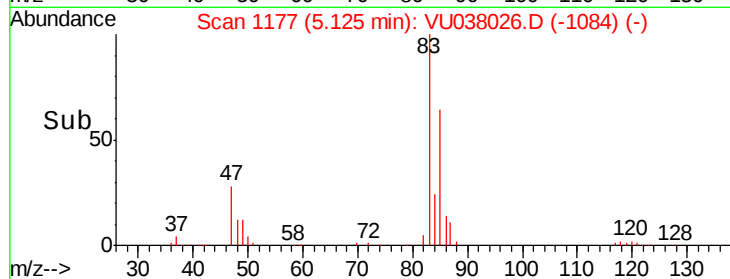
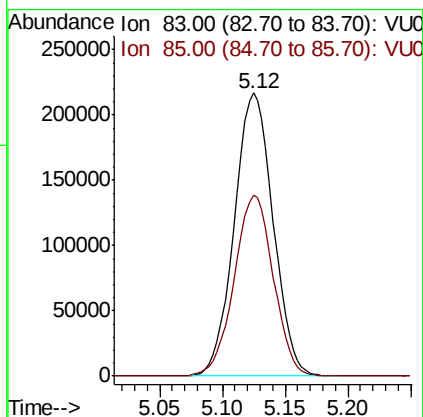
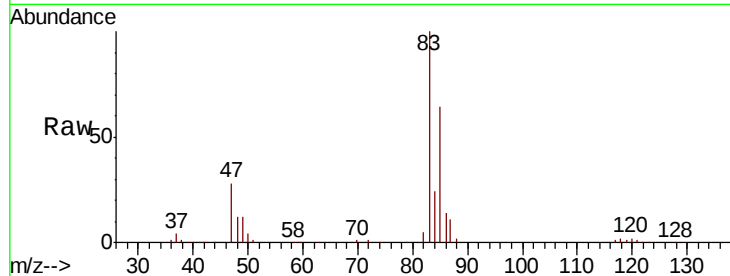




#25
Chloroform
Concen: 47.922 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

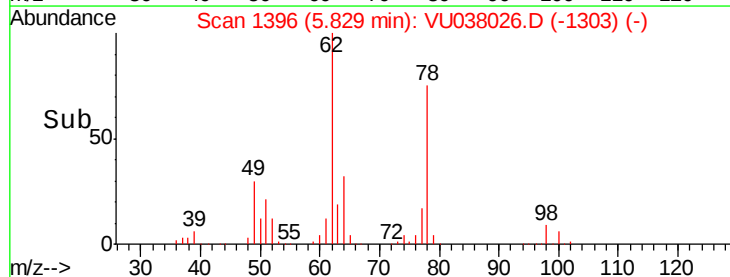
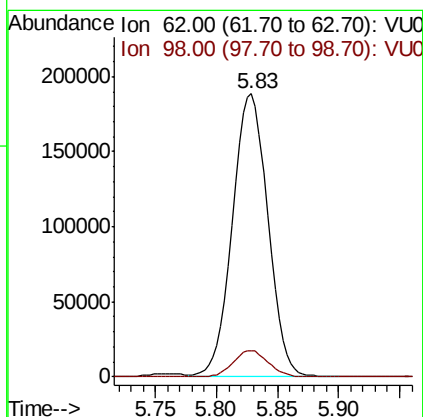
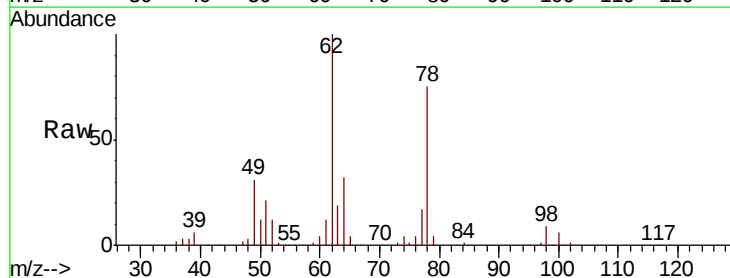
Instrument :
MSVOA_U
ClientSampleId :

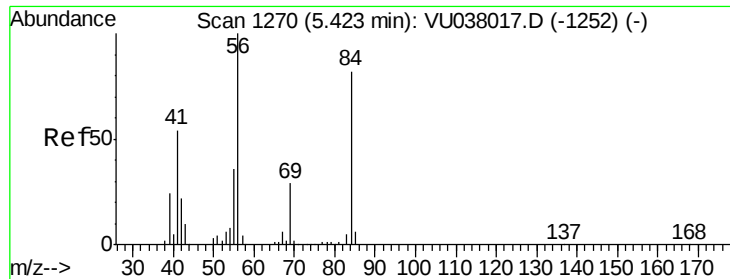
Tot Ion: 83 Resp: 466668
Ion Ratio Lower Upper
83 100
85 64.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 47.292 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

Tgt Ion: 62 Resp: 380813
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4

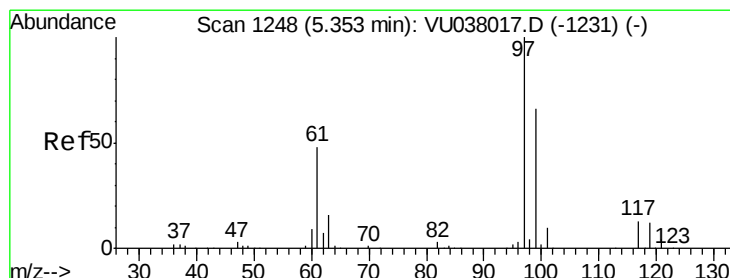
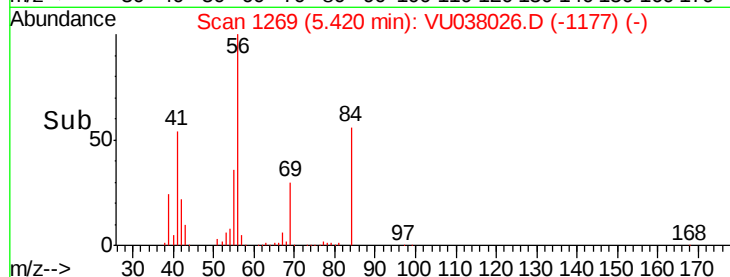
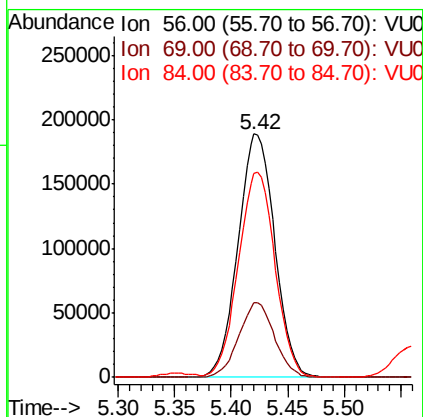
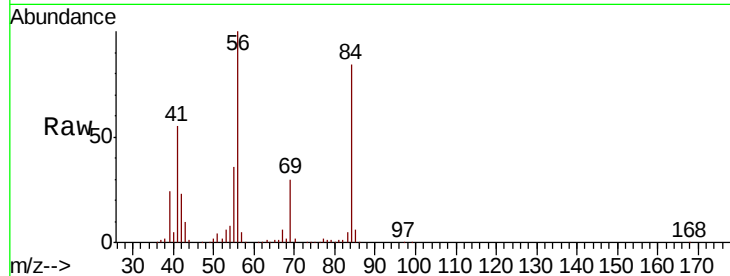




#29
Cyclohexane
Concen: 45.125 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

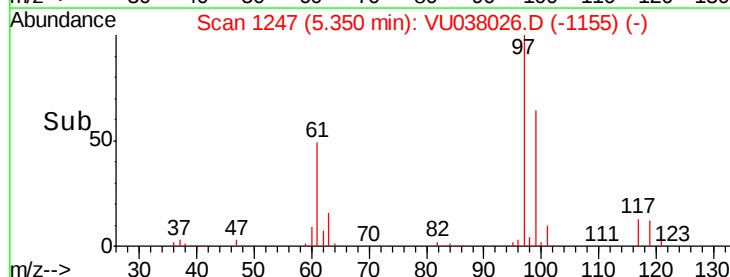
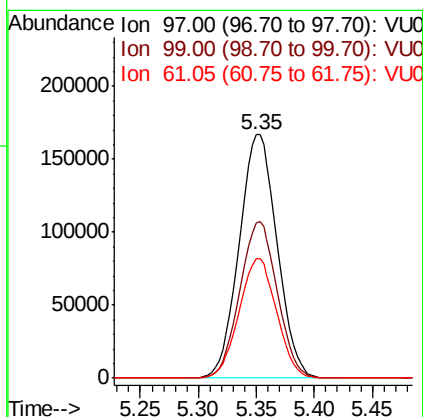
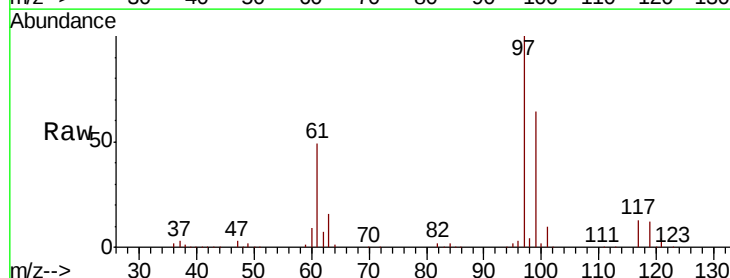
Instrument :
MSVOA_U
ClientSampled :

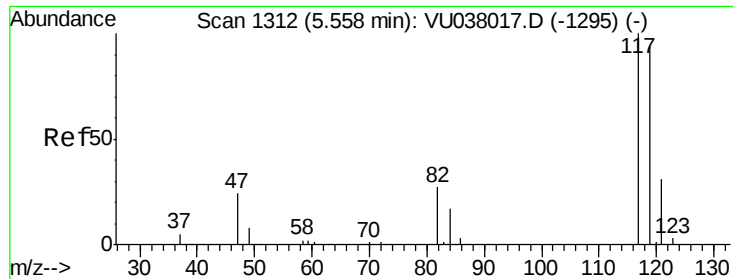
Tot Ion: 56 Resp: 427381
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 84.2 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 47.167 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

Tgt Ion: 97 Resp: 380020
Ion Ratio Lower Upper
97 100
99 63.7 50.5 75.7
61 48.6 38.8 58.2

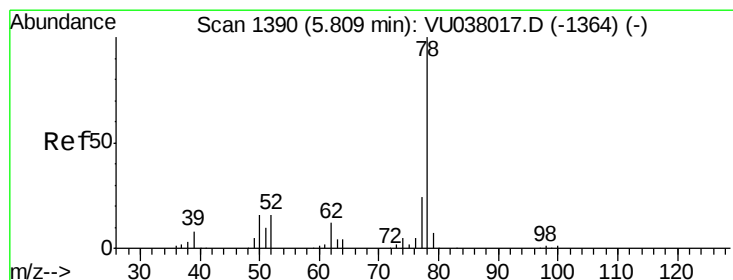
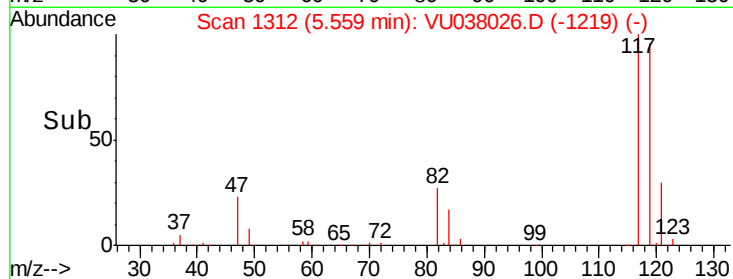
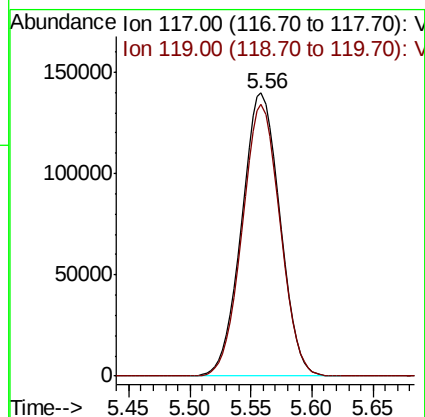
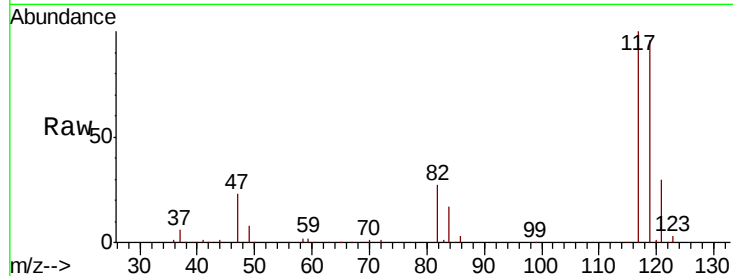




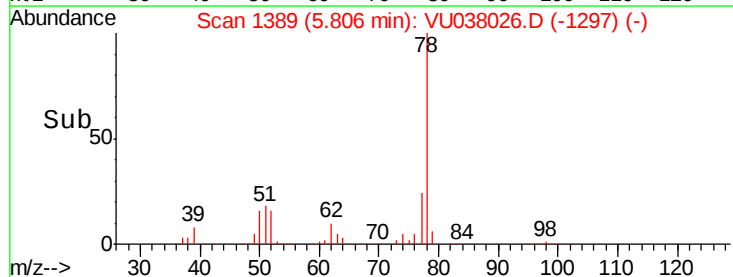
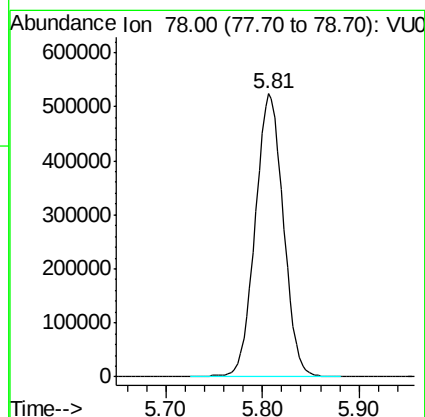
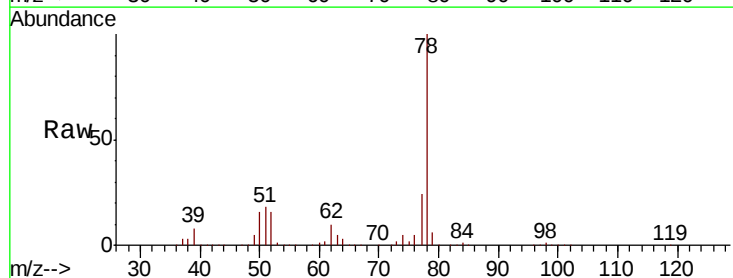
#31
Carbon tetrachloride
Concen: 47.511 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

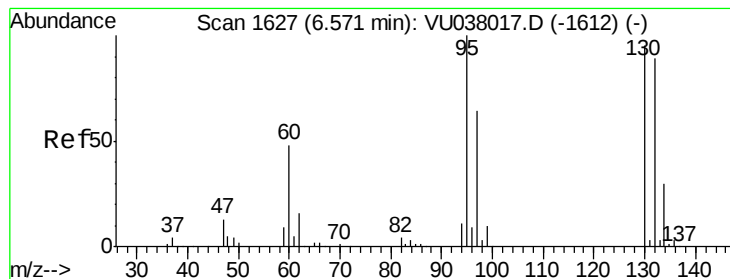
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 302174
Ion Ratio Lower Upper
117 100
119 95.0 76.7 115.1



#33
Benzene
Concen: 46.750 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05
Tgt Ion: 78 Resp: 1059302





#34

Trichloroethene

Concen: 47.035 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 258436

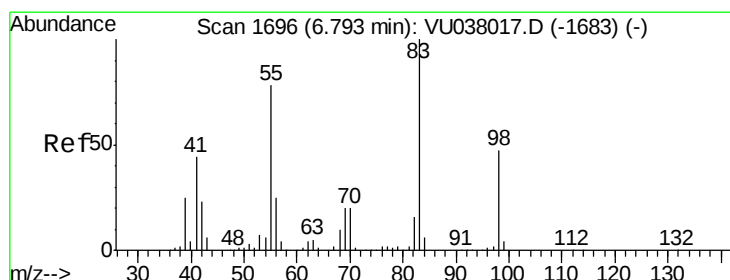
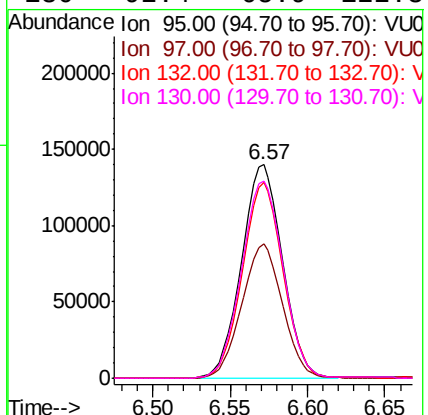
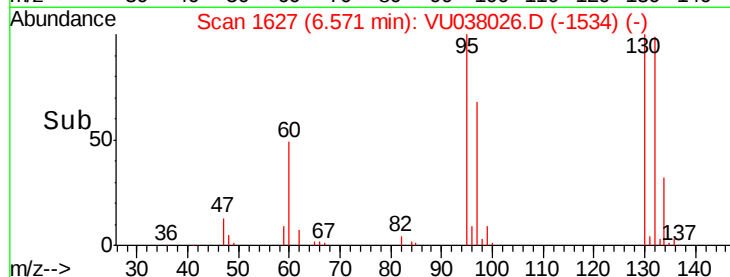
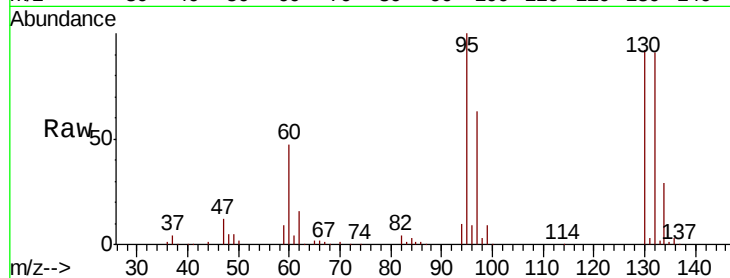
Ion Ratio Lower Upper

95 100

97 63.1 44.9 83.5

132 91.5 63.2 117.4

130 92.4 65.9 122.3



#35

Methylcyclohexane

Concen: 44.275 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

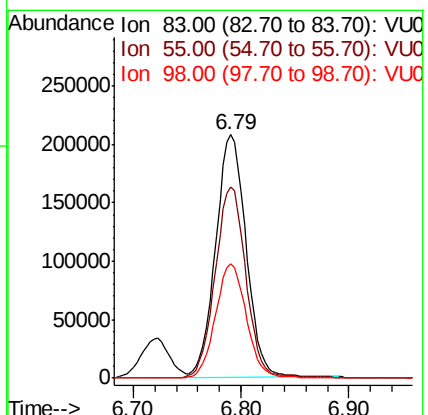
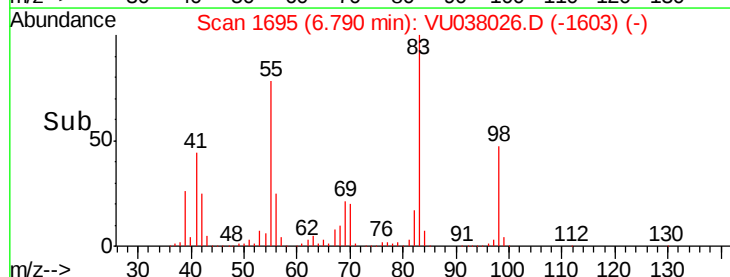
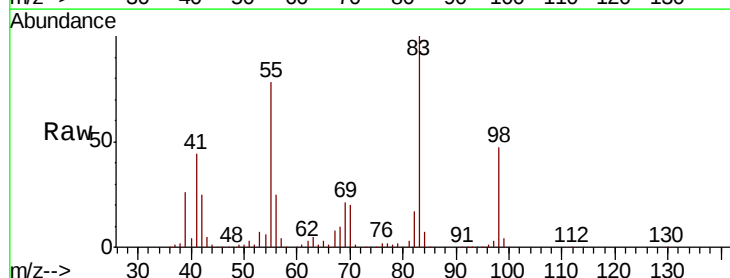
Tgt Ion: 83 Resp: 408639

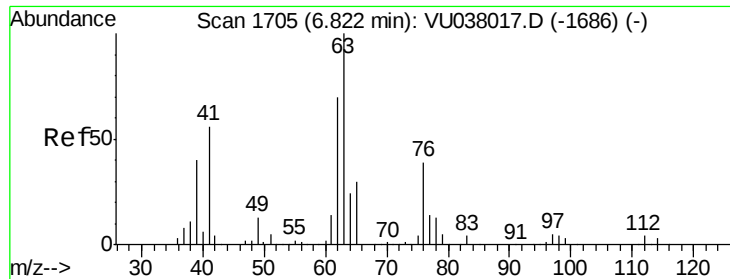
Ion Ratio Lower Upper

83 100

55 79.1 64.2 96.4

98 47.4 38.1 57.1

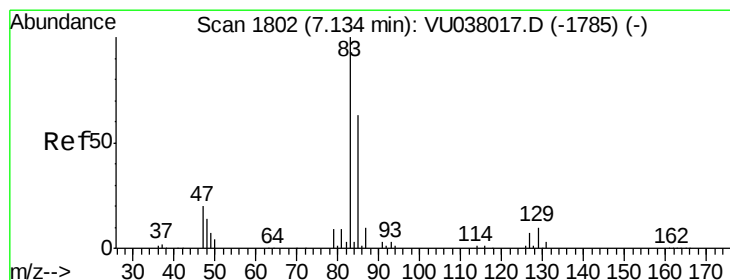
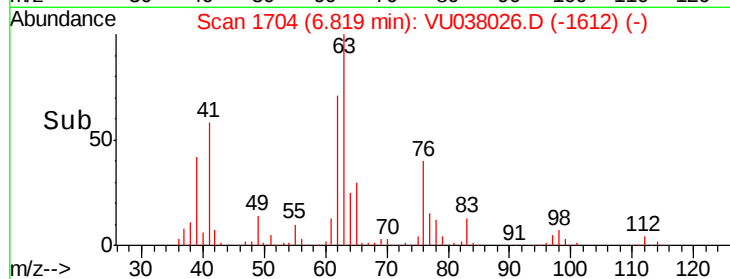
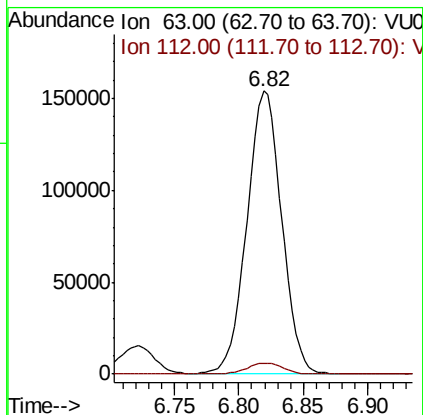
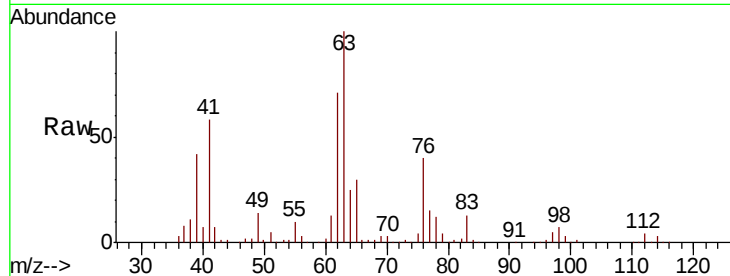




#37
 1,2-Dichloropropane
 Concen: 47.728 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

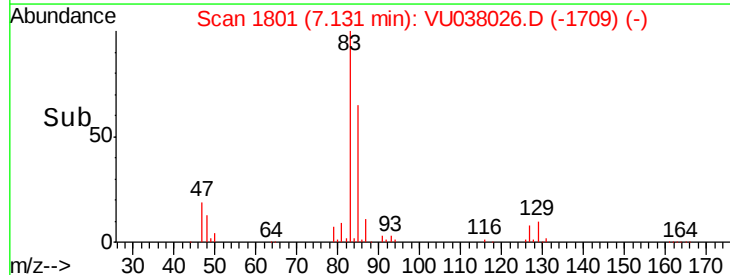
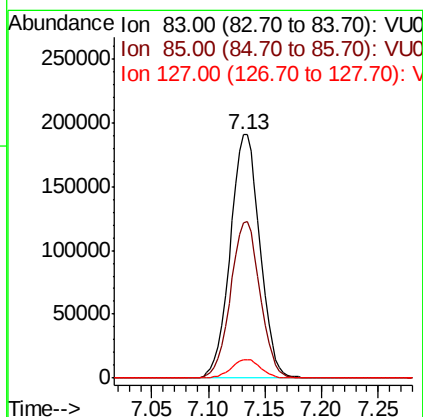
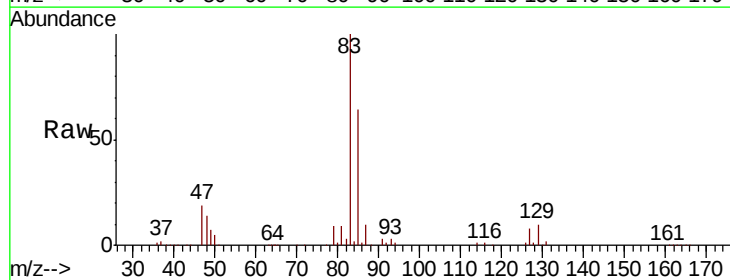
Instrument :
 MSVOA_U
 ClientSampleId :

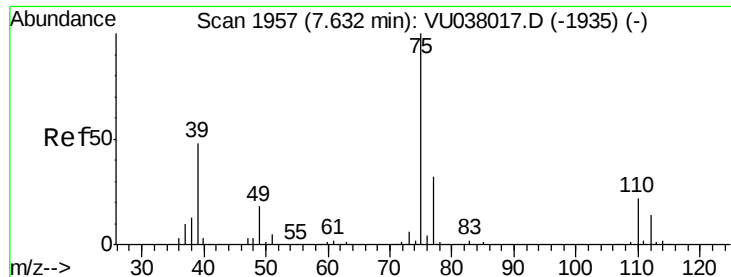
Tot Ion: 63 Resp: 289140
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.117 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Tgt Ion: 83 Resp: 346575
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.8 81.3
 127 7.5 6.1 9.1

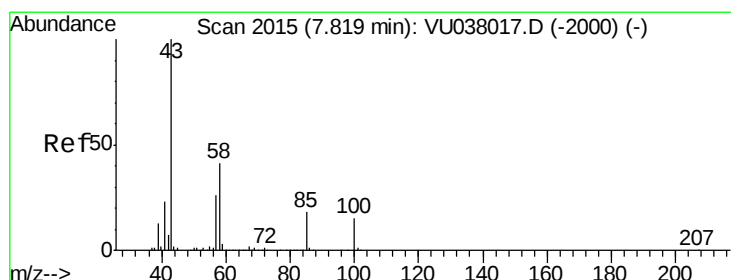
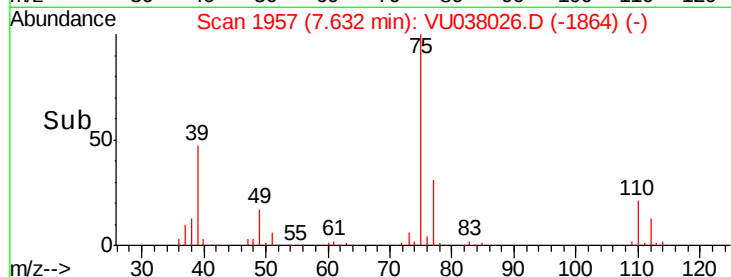
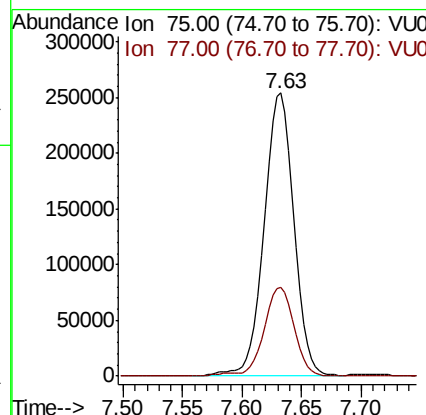
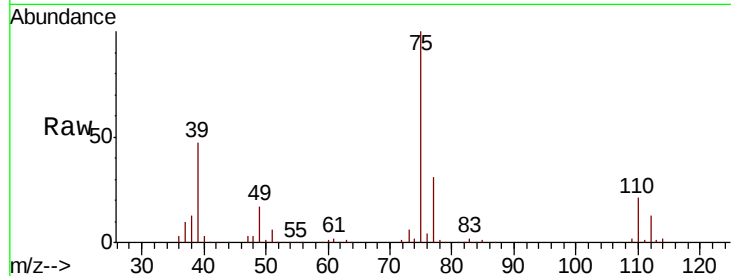




#39
 cis-1,3-Dichloropropene
 Concen: 47.489 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

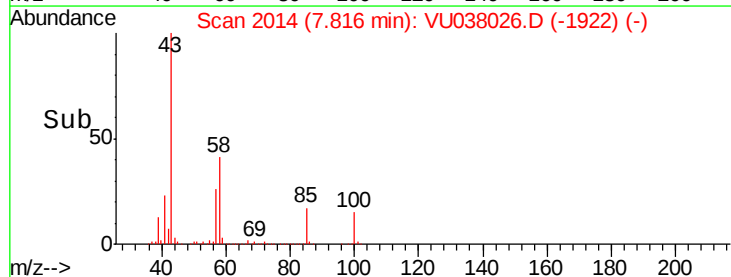
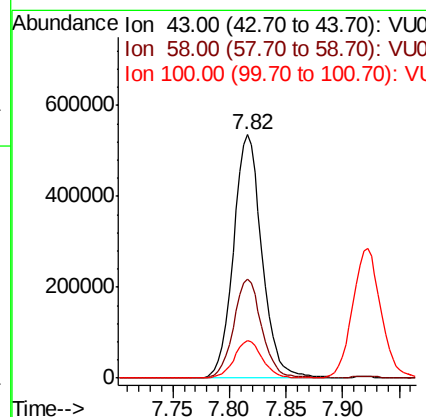
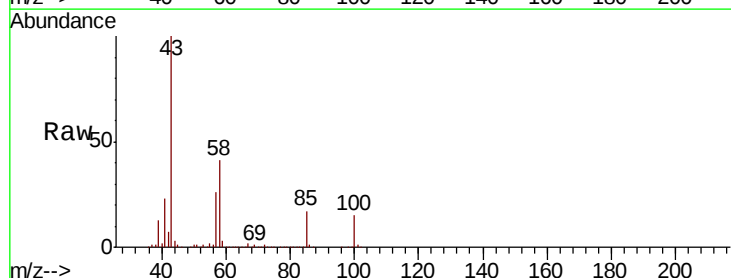
Instrument :
 MSVOA_U
 ClientSampled :

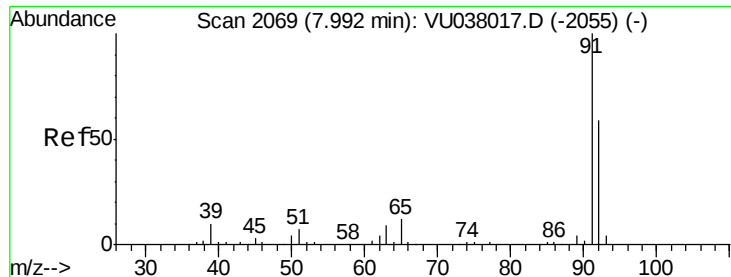
Tot Ion: 75 Resp: 441001
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 95.706 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Tgt Ion: 43 Resp: 939411
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.8 47.8
 100 15.2 12.2 18.2





#42

Toluene

Concen: 47.383 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

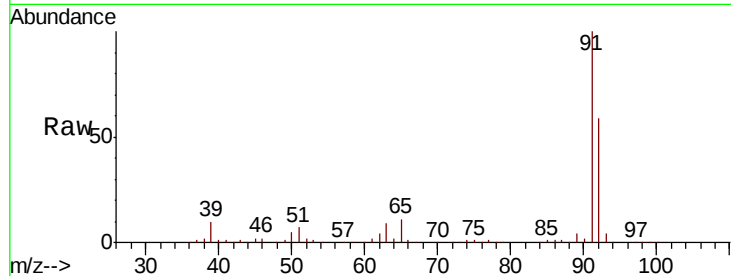
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1128007

Ion Ratio Lower Upper

91 100

92 58.9 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU038017.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038017.D (-2055) (-)

7.99

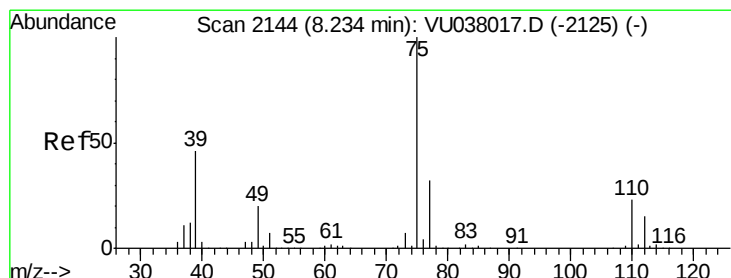
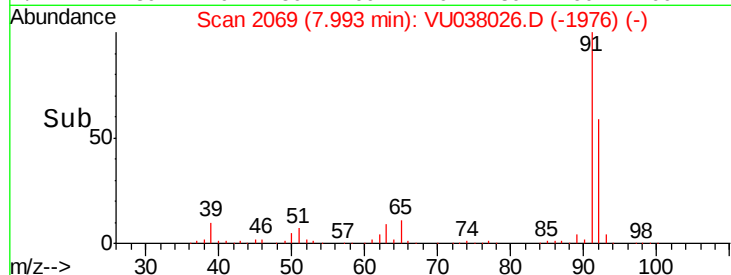
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.641 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038026.D

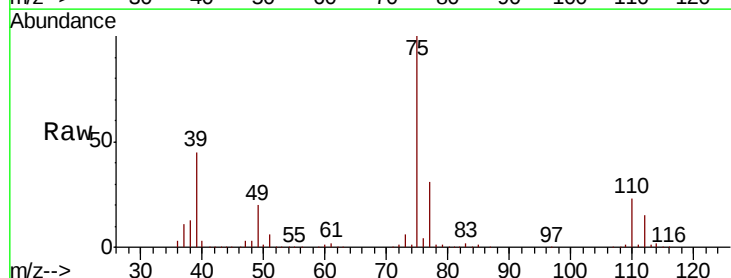
Acq: 06 May 2020 18:05

Tgt Ion: 75 Resp: 404377

Ion Ratio Lower Upper

75 100

77 30.8 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU038017.D (-2125) (-)

Ion 77.00 (76.70 to 77.70): VU038017.D (-2125) (-)

8.23

250000

200000

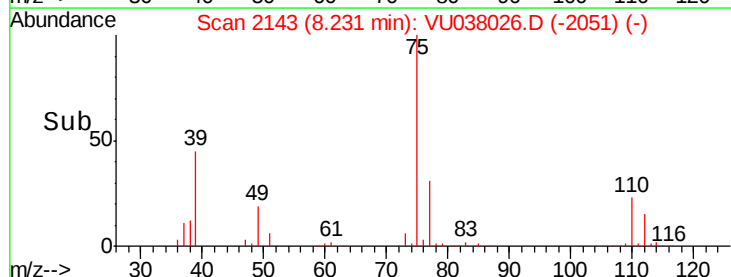
150000

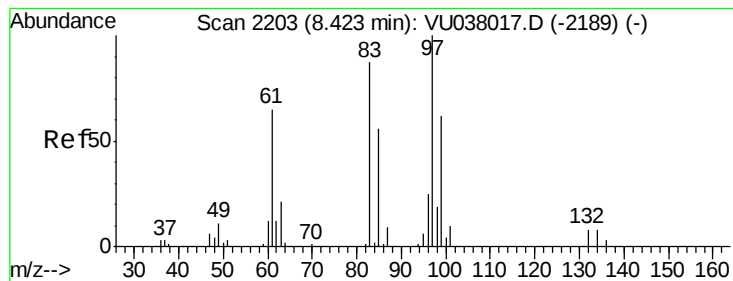
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.621 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 261287

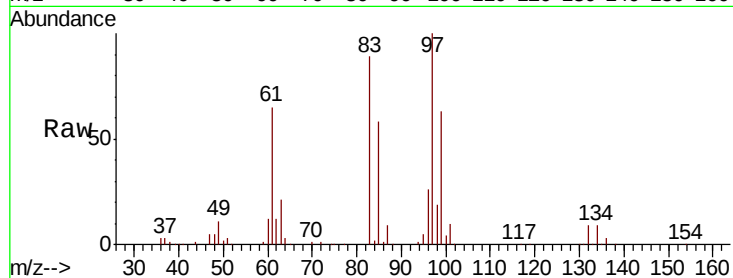
Ion Ratio Lower Upper

97 100

99 63.3 44.4 82.4

83 89.4 61.9 115.1

85 57.8 40.5 75.1

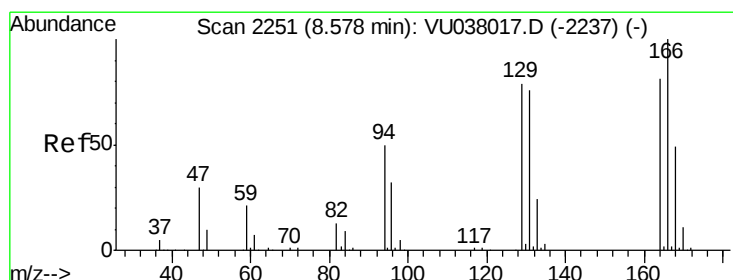
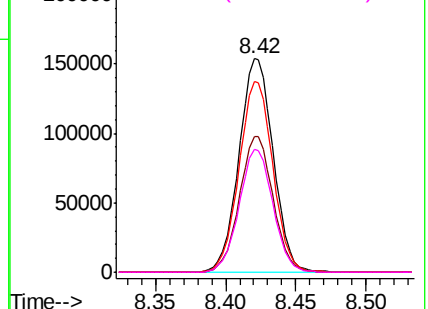
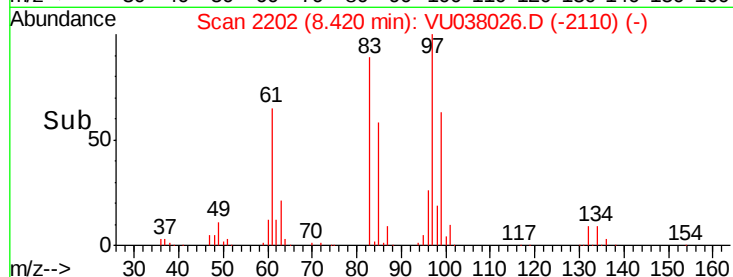


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 45.455 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Tgt Ion: 164 Resp: 182345

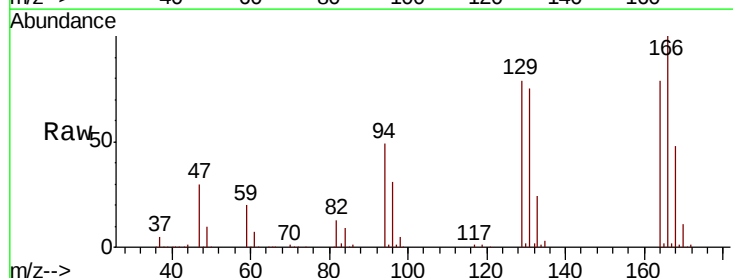
Ion Ratio Lower Upper

164 100

129 98.9 68.4 127.0

131 94.9 65.7 122.1

166 125.8 86.7 161.1

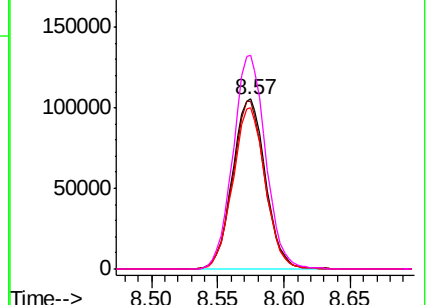
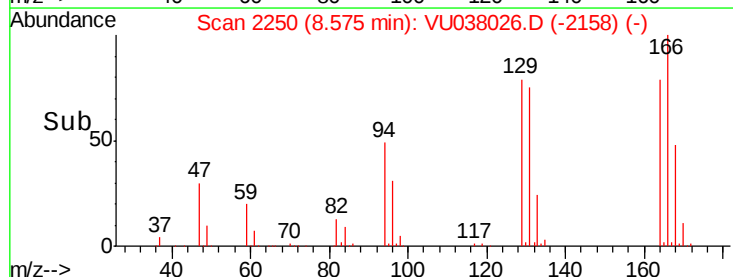


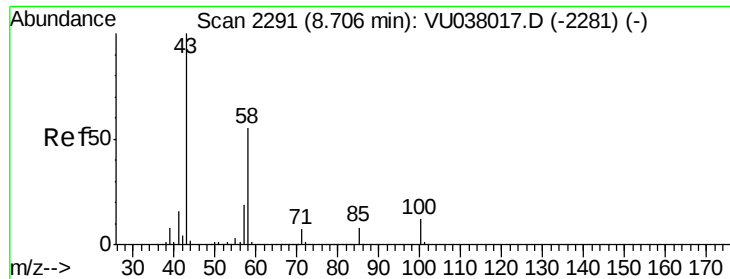
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

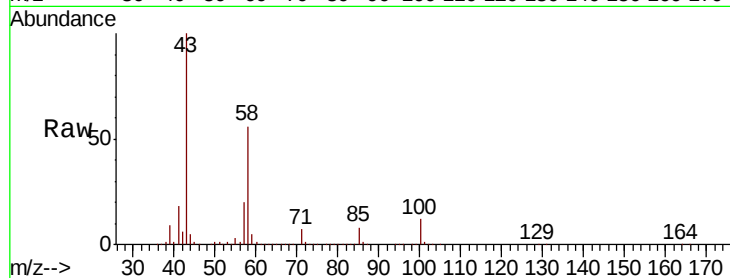




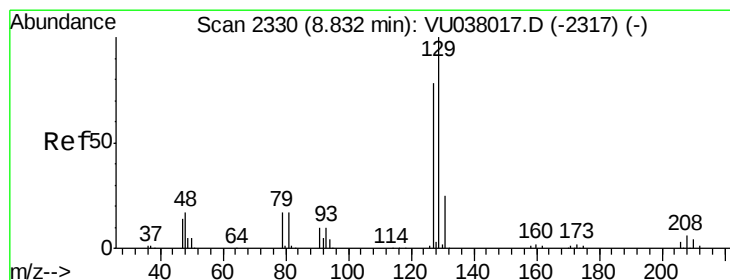
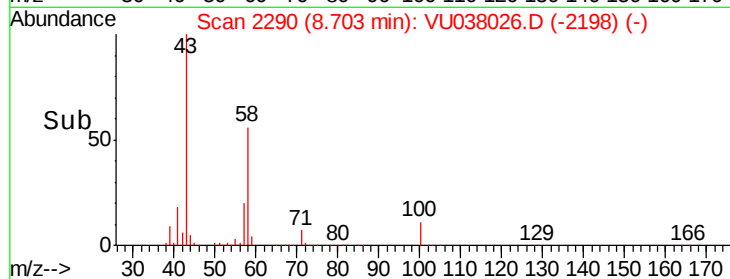
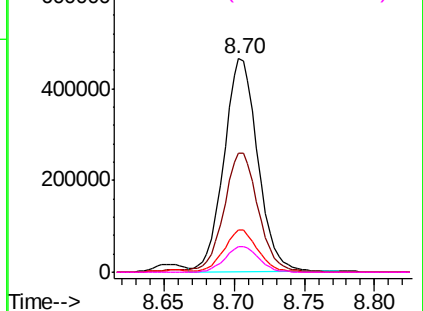
#48
2-Hexanone
Concen: 96.287 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 778868
Ion Ratio Lower Upper
43 100
58 58.1 46.4 69.6
57 19.8 16.4 24.6
100 12.1 9.5 14.3

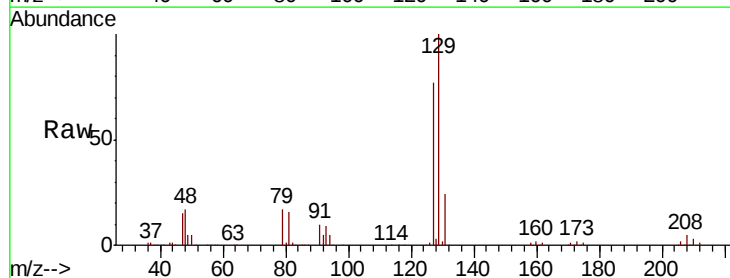


Abundance Ion 43.00 (42.70 to 43.70): VU038017.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU038017.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU038017.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU038017.D (-2281) (-)

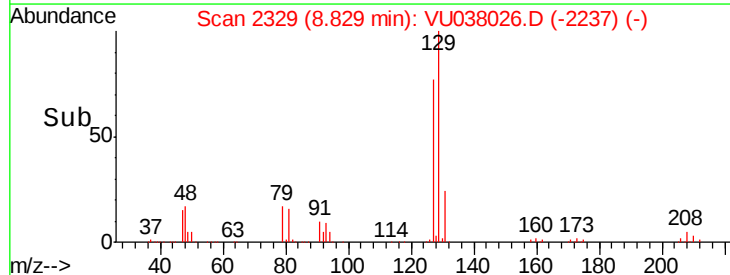
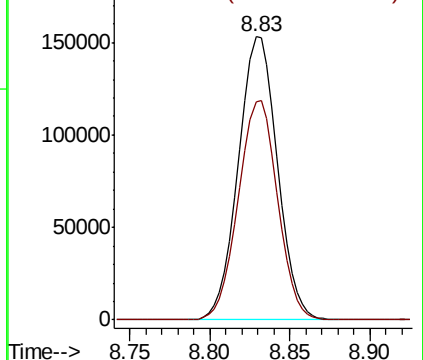


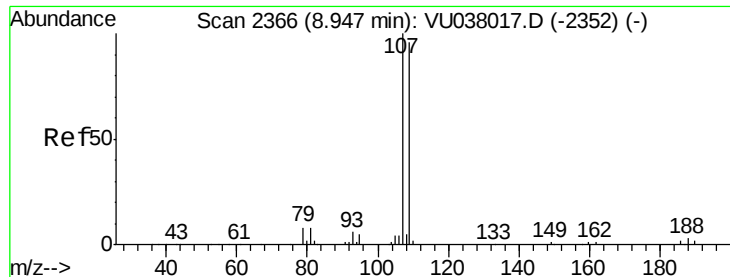
#49
Dibromochloromethane
Concen: 48.185 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038026.D
Acq: 06 May 2020 18:05

Tgt Ion: 129 Resp: 254970
Ion Ratio Lower Upper
129 100
127 77.1 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VU038017.D (-2317) (-)
Ion 127.00 (126.70 to 127.70): VU038017.D (-2317) (-)

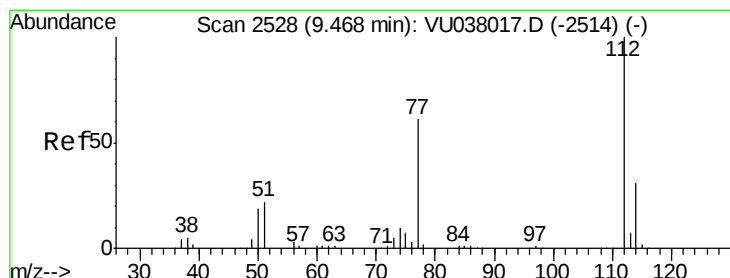
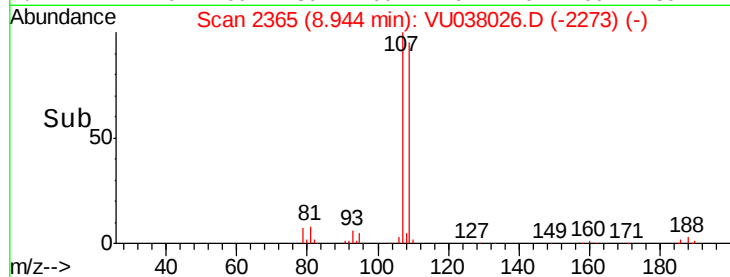
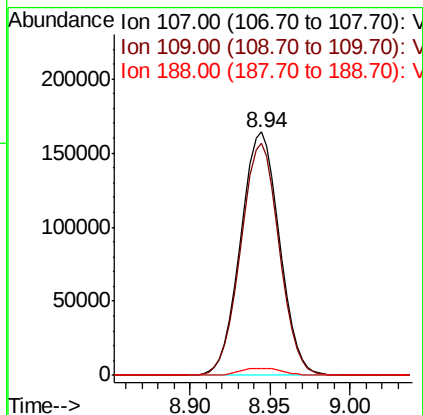
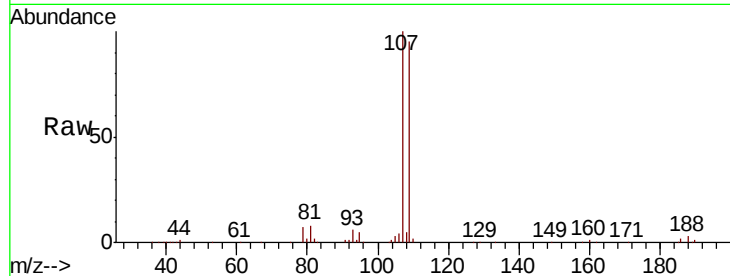




#50
 1,2-Dibromoethane
 Concen: 46.225 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

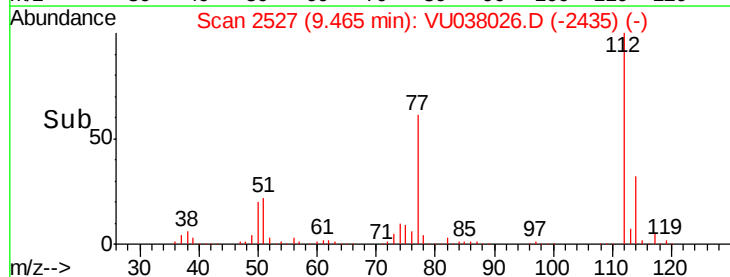
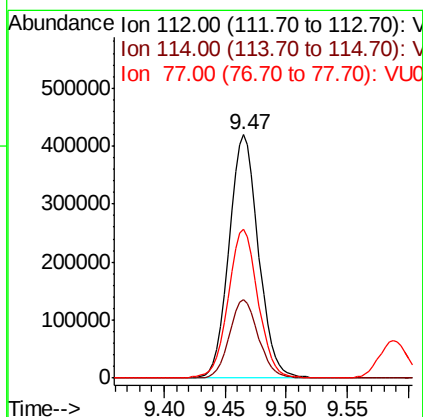
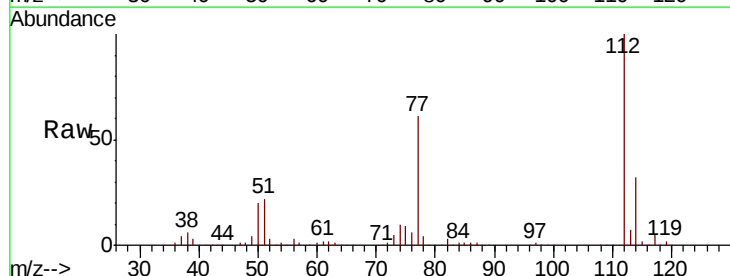
Instrument :
 MSVOA_U
 ClientSampleId :

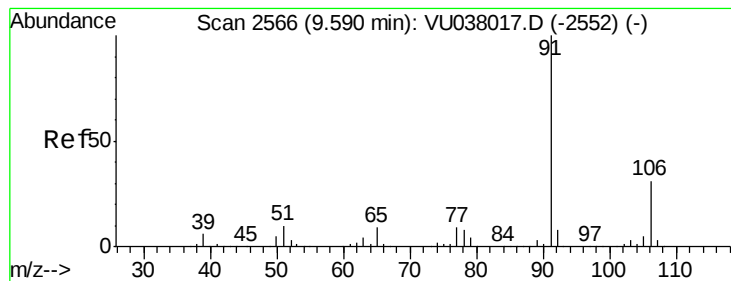
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.1	119.1
188	3.1	2.2	3.2



#51
 Chlorobenzene
 Concen: 47.541 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.6	40.2
77	61.1	49.3	73.9





#52

Ethylbenzene

Concen: 47.763 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

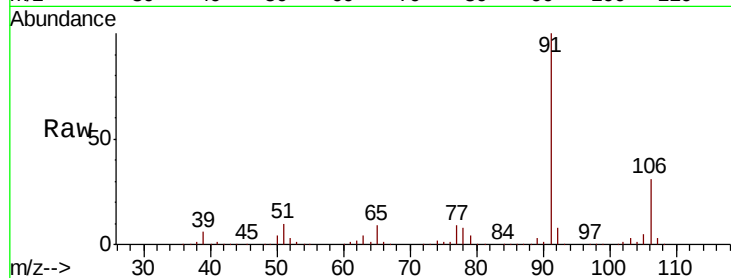
ClientSampleId :

Tot Ion: 91 Resp: 1260445

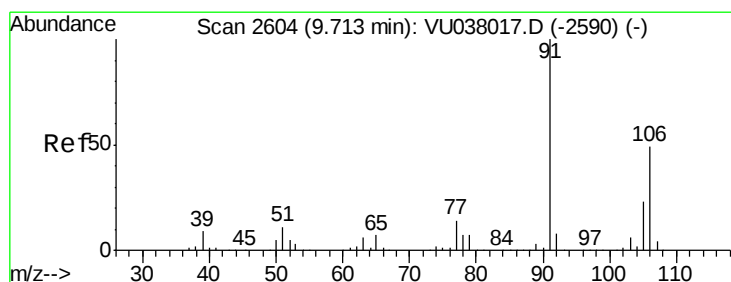
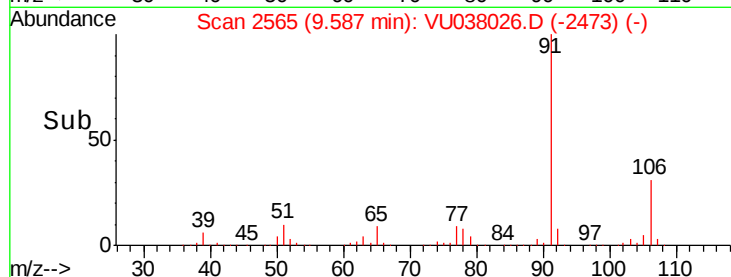
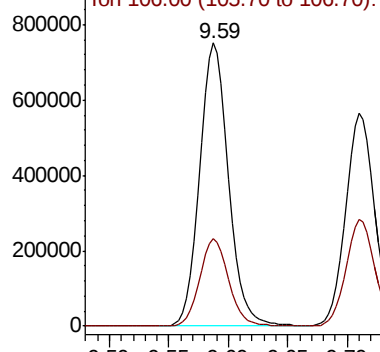
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU038017.D (-2552) (-)



#53

m,p-Xylene

Concen: 48.219 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038026.D

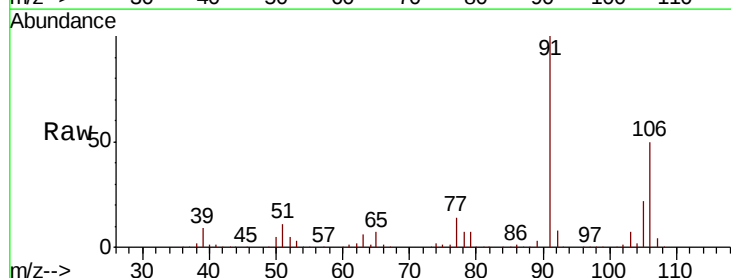
Acq: 06 May 2020 18:05

Tgt Ion: 106 Resp: 483144

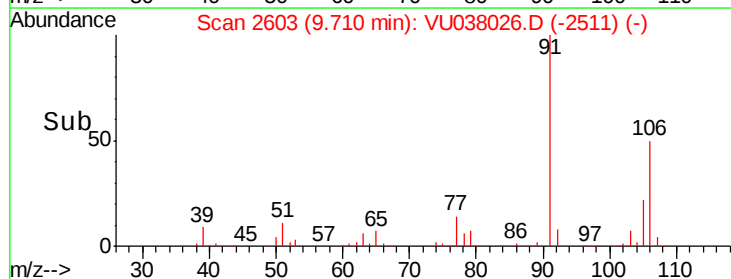
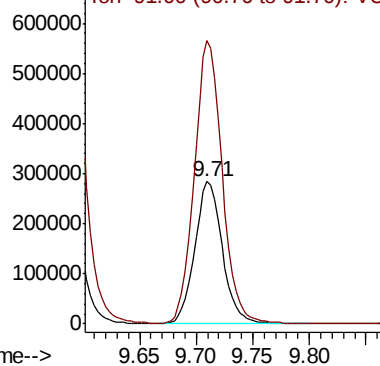
Ion Ratio Lower Upper

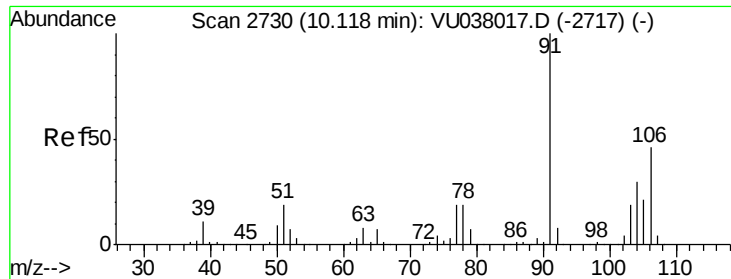
106 100

91 199.2 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU038017.D (-2590) (-)





#54

o-xylene

Concen: 47.918 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

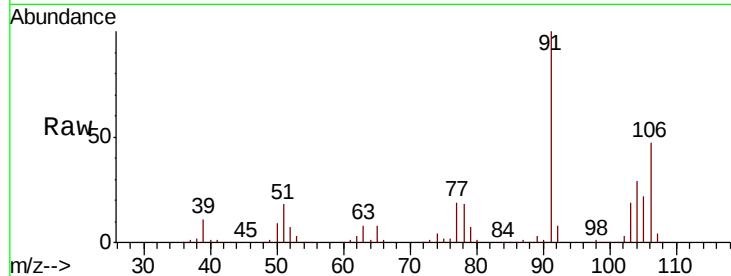
ClientSampleId :

Tot Ion:106 Resp: 472712

Ion Ratio Lower Upper

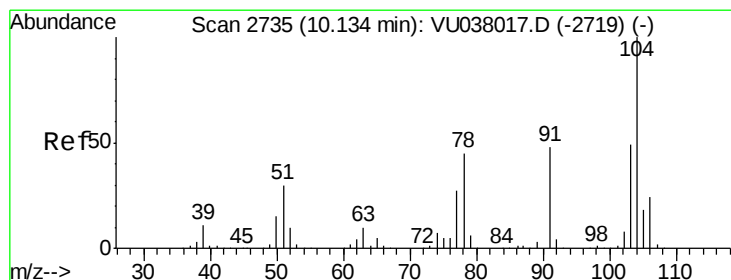
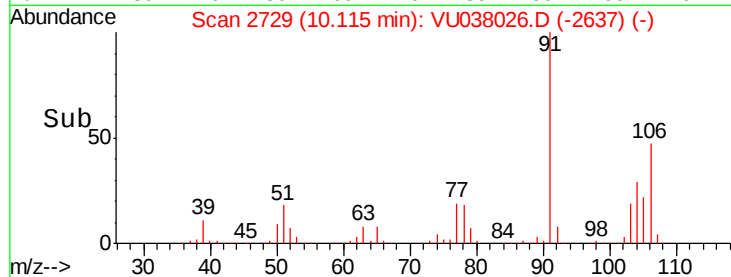
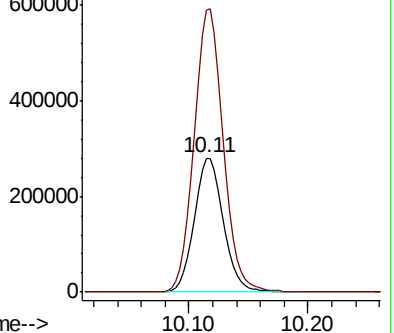
106 100

91 211.0 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.450 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038026.D

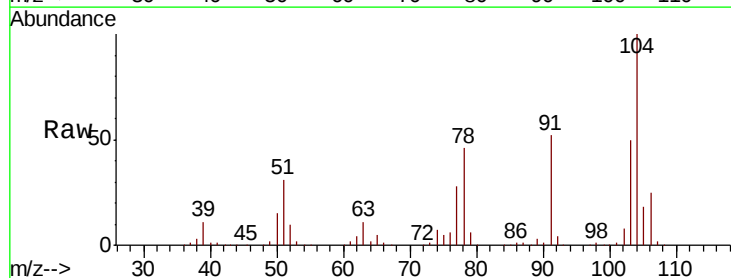
Acq: 06 May 2020 18:05

Tgt Ion:104 Resp: 811851

Ion Ratio Lower Upper

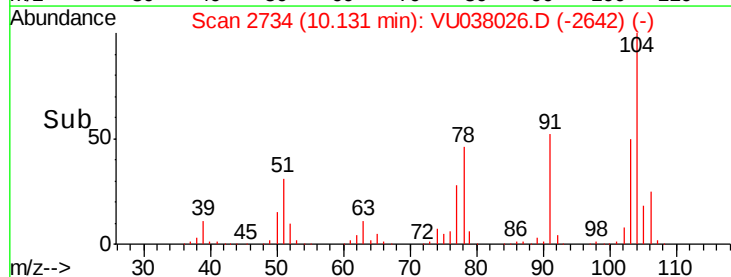
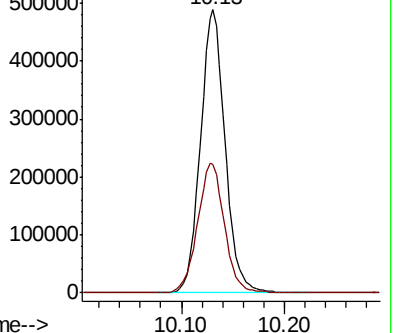
104 100

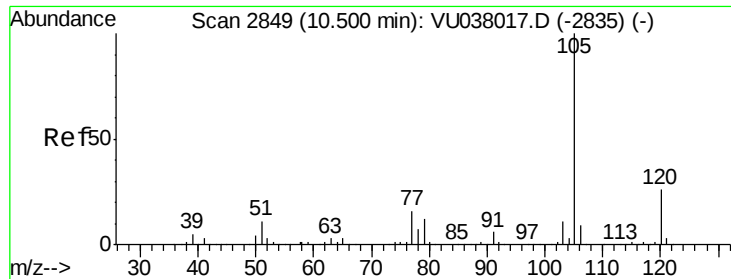
78 45.6 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.083 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

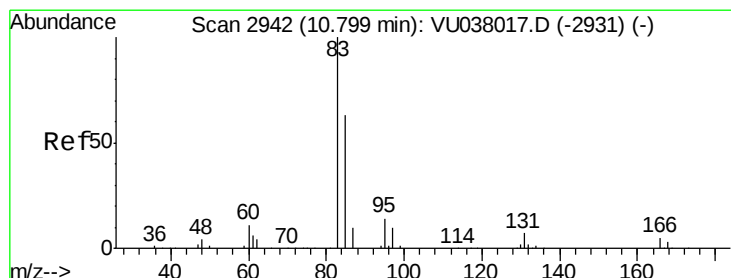
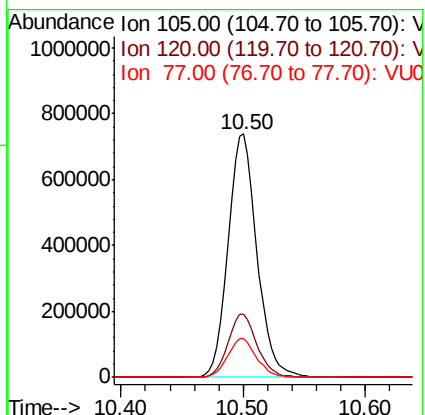
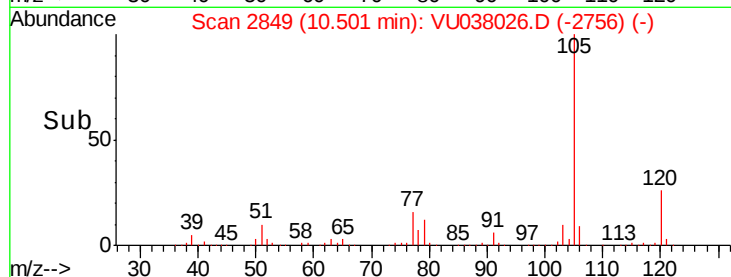
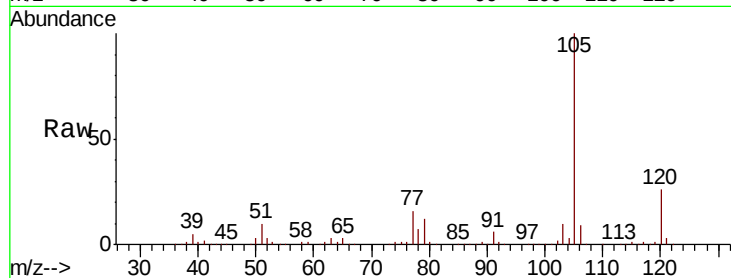
Tot Ion:105 Resp: 1221365

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 46.634 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

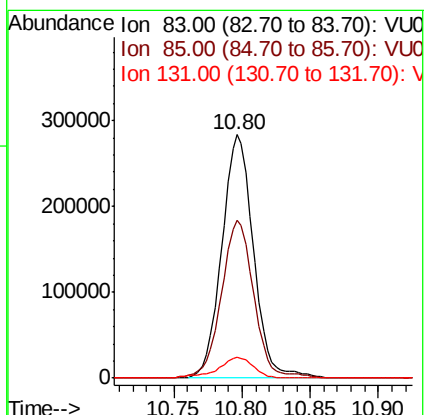
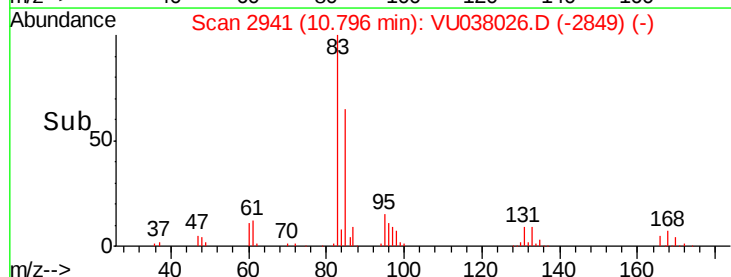
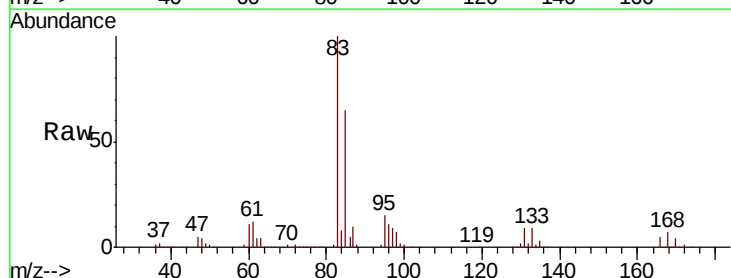
Tgt Ion: 83 Resp: 456798

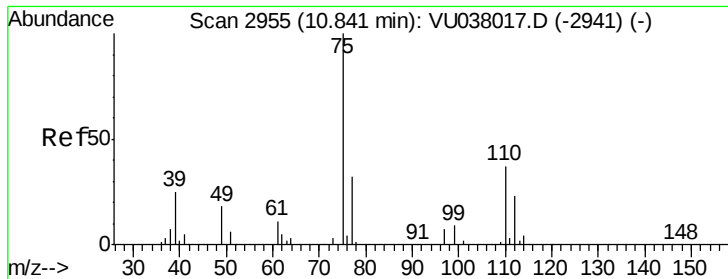
Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3

131 8.5 6.8 10.2

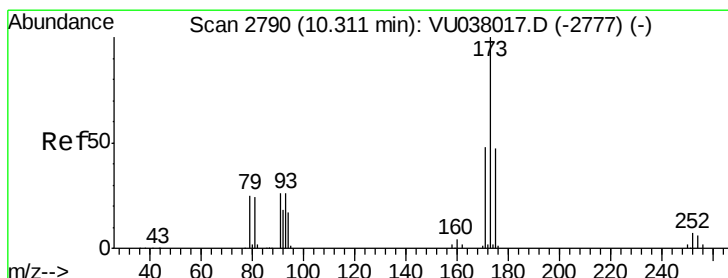
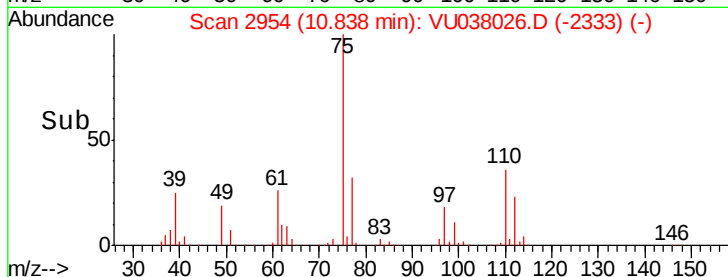
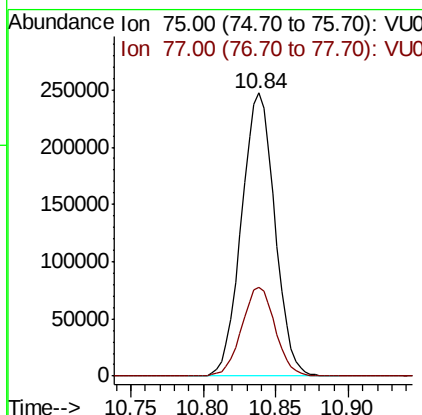
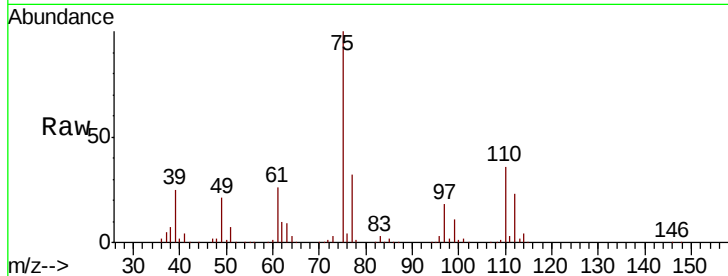




#59
 1,2,3-Trichloropropane
 Concen: 47.022 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

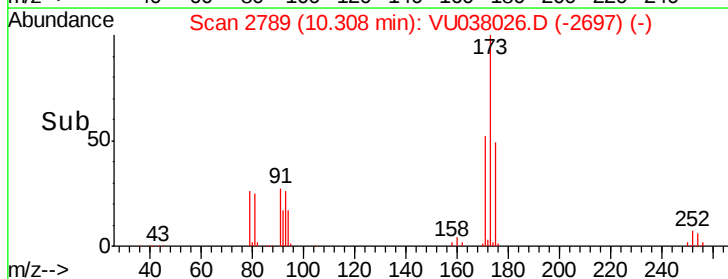
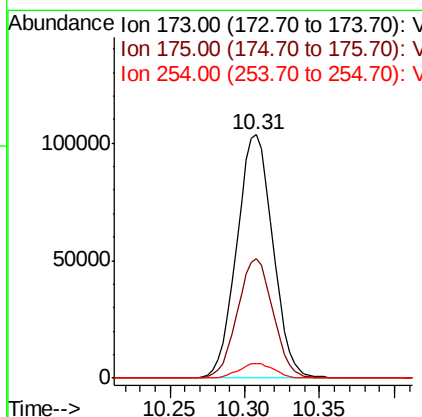
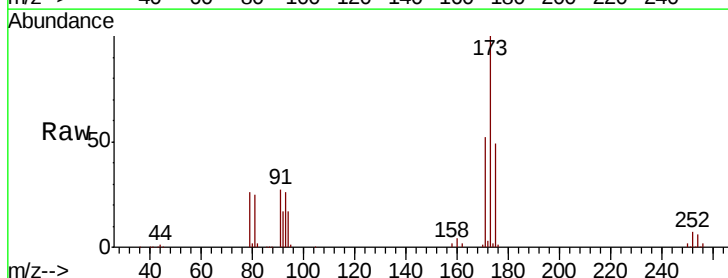
Instrument :
 MSVOA_U
 ClientSampled :

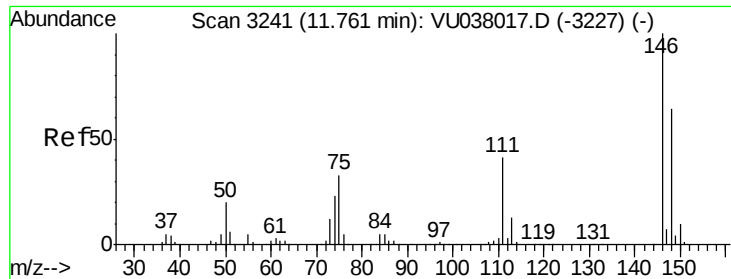
Tot Ion: 75 Resp: 394978
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#61
 Bromoform
 Concen: 46.405 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Tgt Ion: 173 Resp: 174226
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 6.0 4.7 7.1





#62

1,3-Dichlorobenzene

Concen: 47.720 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

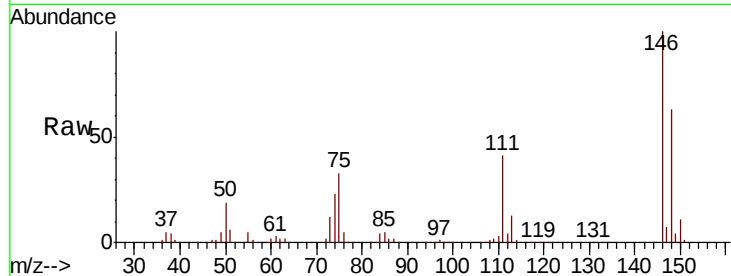
Tot Ion:146 Resp: 536472

Ion Ratio Lower Upper

146 100

111 41.1 29.2 54.2

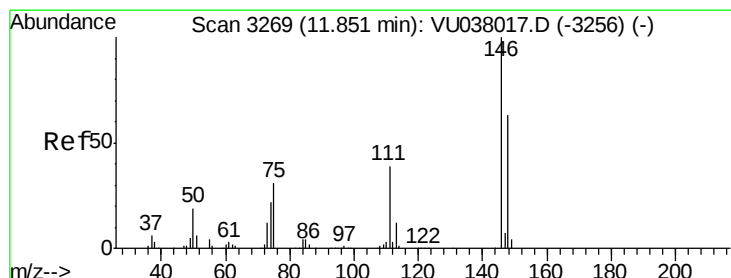
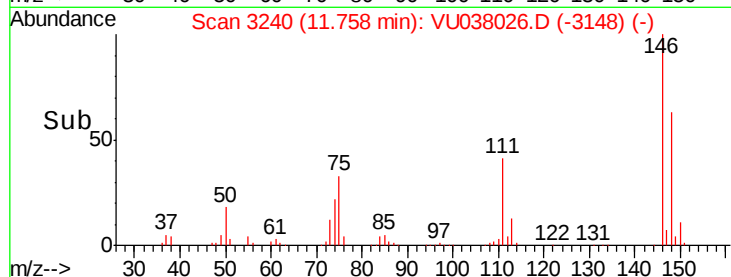
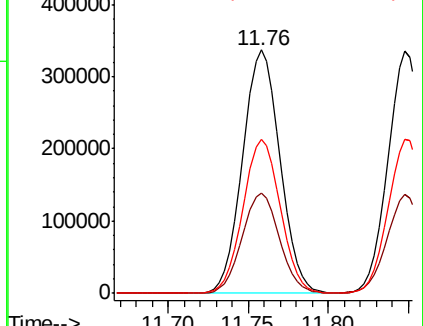
148 63.4 44.9 83.5



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: 47.077 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

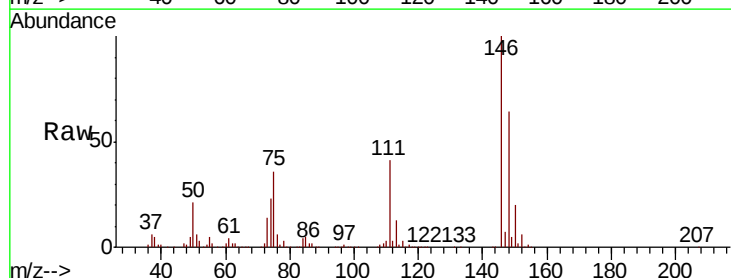
Tgt Ion:146 Resp: 534769

Ion Ratio Lower Upper

146 100

111 40.7 28.2 52.4

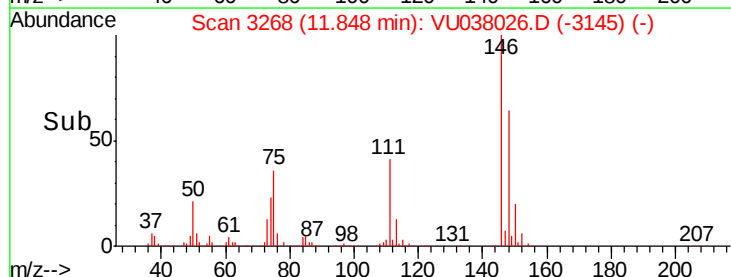
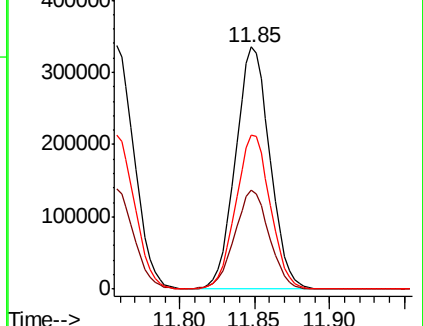
148 63.9 44.5 82.7

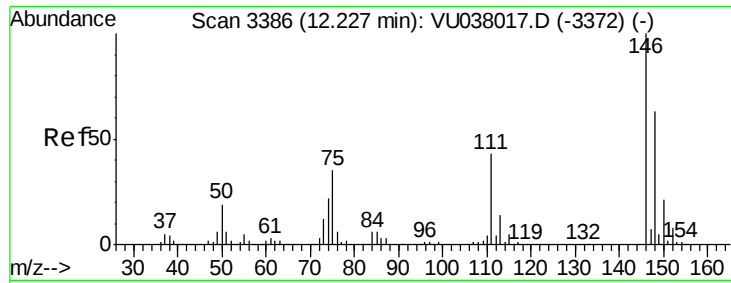


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.019 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

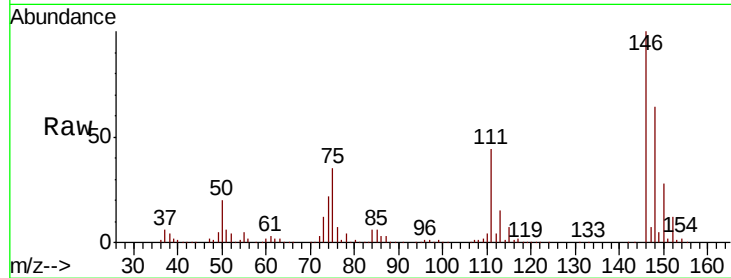
Tot Ion:146 Resp: 533241

Ion Ratio Lower Upper

146 100

111 43.5 34.6 51.8

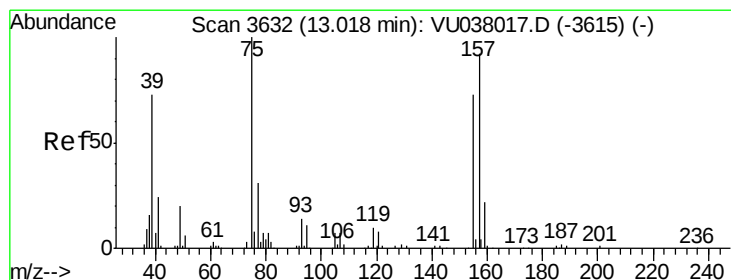
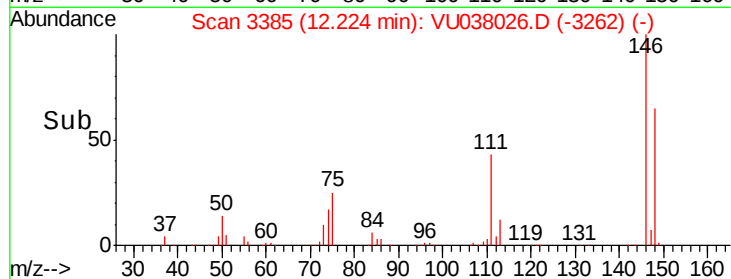
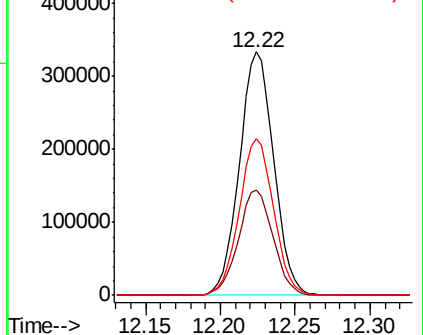
148 64.4 50.1 75.1



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: 43.557 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

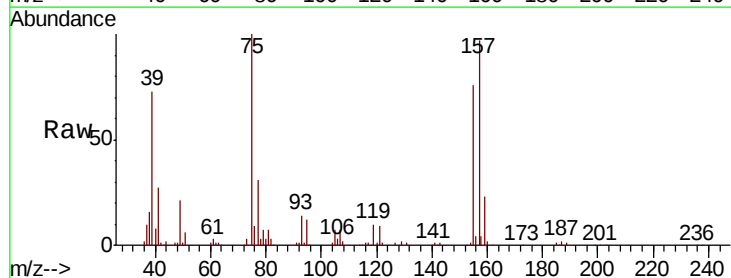
Tgt Ion: 75 Resp: 103109

Ion Ratio Lower Upper

75 100

155 76.4 61.3 91.9

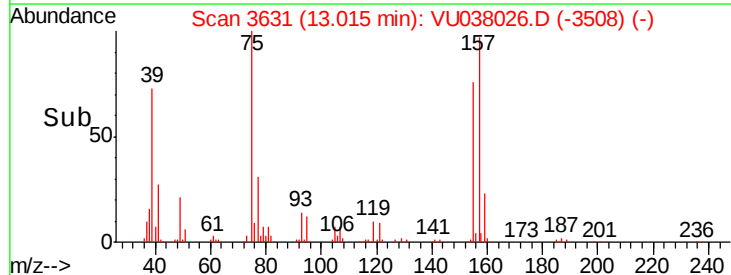
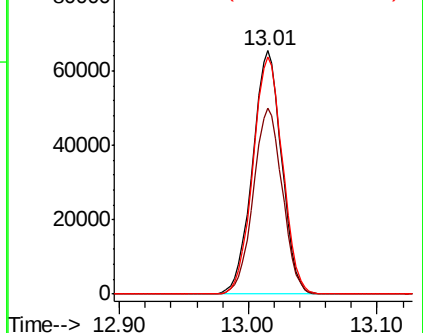
157 97.4 76.9 115.3

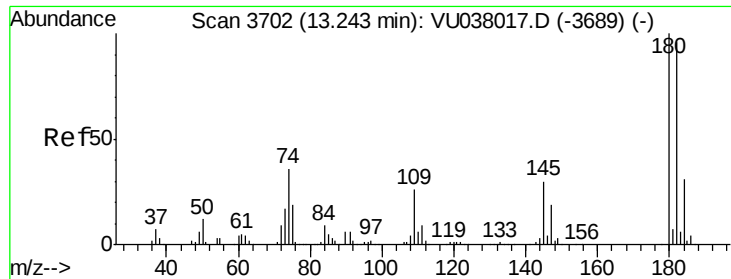


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

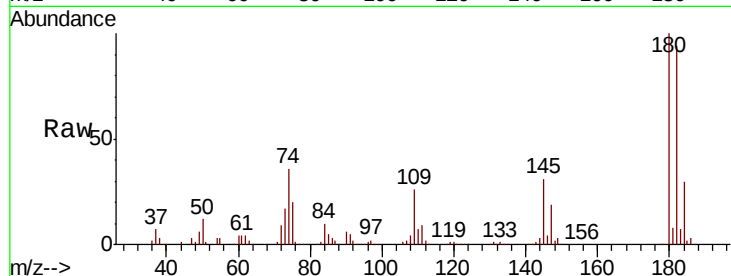




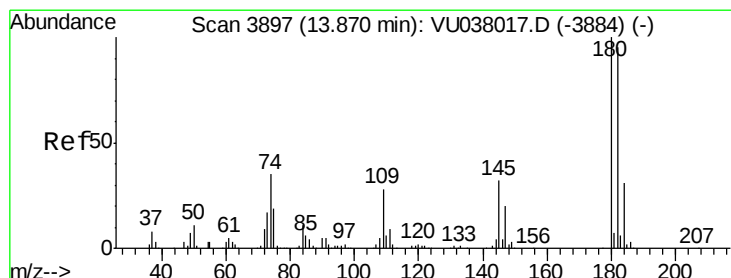
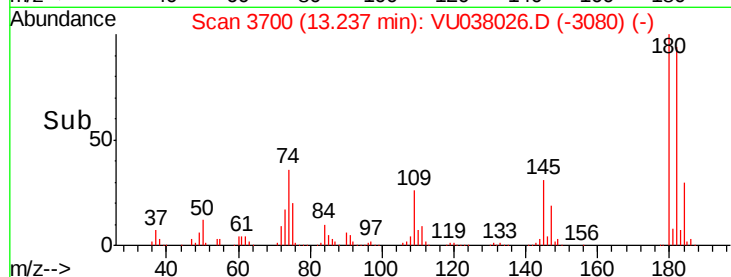
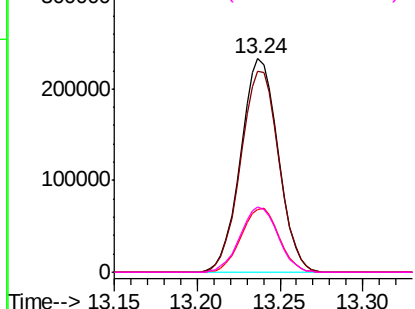
#67
 1,3,5-Trichlorobenzene
 Concen: 47.899 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	367099
Ion	Ratio	Lower Upper
180	100	
182	95.9	75.7 113.5
184	30.1	24.2 36.2
145	31.0	24.6 37.0

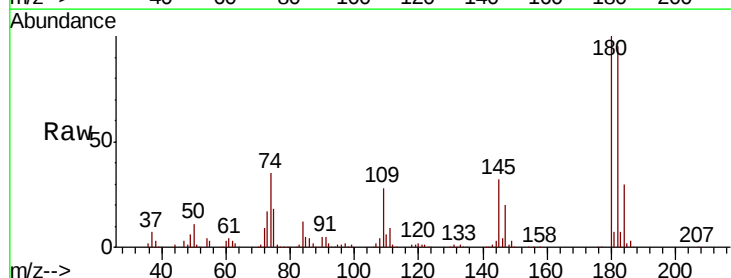


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

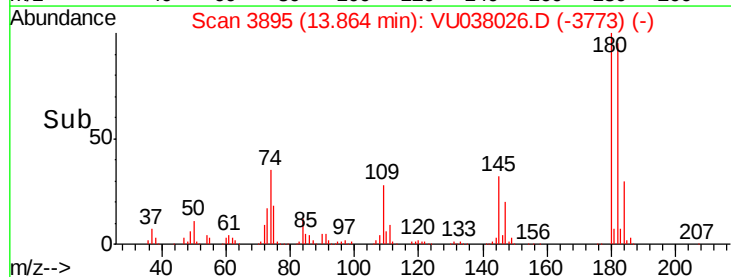
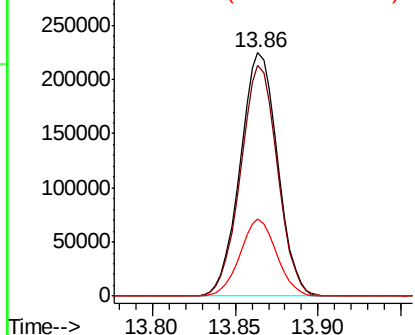


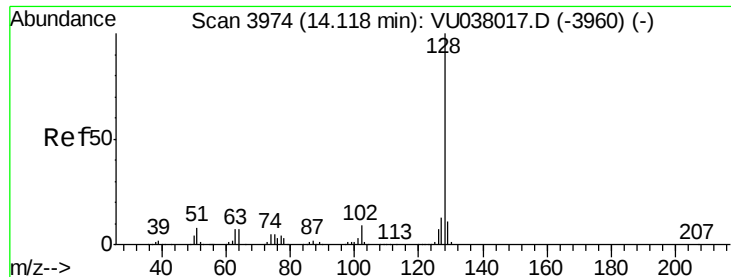
#68
 1,2,4-trichlorobenzene
 Concen: 47.915 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038026.D
 Acq: 06 May 2020 18:05

Tgt Ion:180	Resp:	351989
Ion	Ratio	Lower Upper
180	100	
182	93.7	75.4 113.0
145	30.9	25.3 37.9



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: 47.661 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

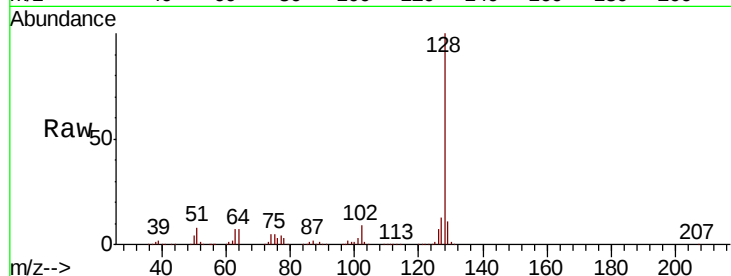
Tot Ion:128 Resp: 1343278

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

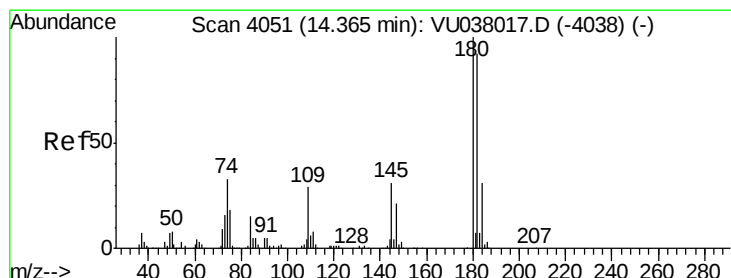
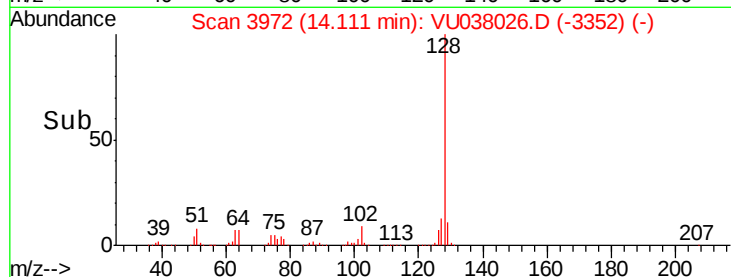
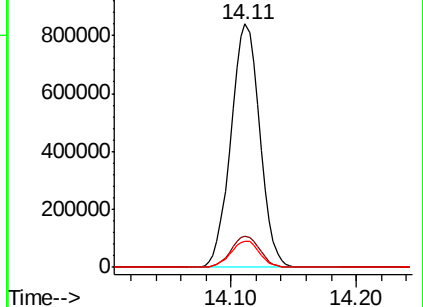
129 10.8 8.8 13.2



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: 49.694 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.01 min

Lab File: VU038026.D

Acq: 06 May 2020 18:05

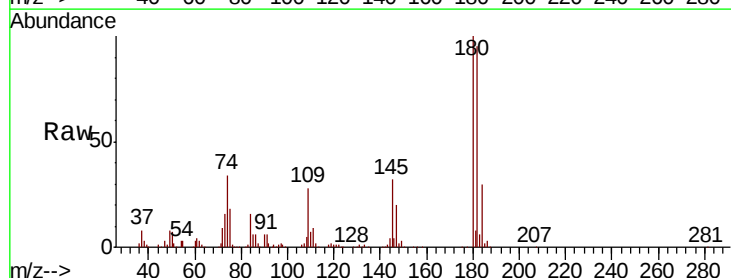
Tgt Ion:180 Resp: 359283

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 32.7 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

