

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
 Data File : VU038339.D
 Acq On : 28 May 2020 11:38
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

Quant Time: May 29 04:27:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 29 04:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	630081	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	609110	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	304563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	193759	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.98%
7) Chloroethane-d5	1.93	69	153324	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.34%
11) 1,1-Dichloroethene-d2	2.59	63	399892	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
21) 2-Butanone-d5	4.66	46	378632	100.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.75%
24) Chloroform-d	5.10	84	390898	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
26) 1,2-Dichloroethane-d4	5.74	65	258608	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
32) Benzene-d6	5.76	84	788721	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.72	67	243834	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.40%
41) Toluene-d8	7.92	98	708359	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%
43) trans-1,3-Dichloropropene-	8.20	79	122935	50.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.66%
47) 2-Hexanone-d5	8.65	63	270693	104.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	354403	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
64) 1,2-Dichlorobenzene-d4	12.20	152	274067	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	244331	51.517 ug/L	99
3) Chloromethane	1.53	50	217903	49.851 ug/L	99
5) Vinyl chloride	1.62	62	245645	50.870 ug/L	100
6) Bromomethane	1.87	94	110960	56.168 ug/L	100
8) Chloroethane	1.95	64	151215	51.249 ug/L	97
9) Trichlorofluoromethane	2.16	101	332728	51.414 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	201141	51.982 ug/L	97
12) 1,1-Dichloroethene	2.60	96	196619	51.469 ug/L	91
13) Acetone	2.66	43	259204	83.009 ug/L	96
14) Carbon disulfide	2.82	76	642589	51.577 ug/L	100
15) Methyl Acetate	2.98	43	295763	52.840 ug/L	100
16) Methylene chloride	3.08	84	224112	51.055 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	213667	52.071 ug/L	98
18) Methyl tert-butyl Ether	3.40	73	694575	52.786 ug/L	100
19) 1,1-Dichloroethane	3.91	63	399797	51.448 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	235037	52.287 ug/L	98
22) 2-Butanone	4.74	43	432741	98.846 ug/L	99

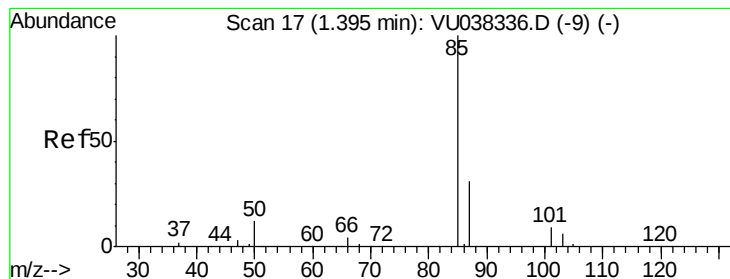
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\
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 QLast Update : Fri May 29 04:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	112484	50.545	ug/L	96
25) Chloroform	5.13	83	397454	49.736	ug/L	98
27) 1,2-Dichloroethane	5.83	62	328001	50.692	ug/L	100
29) Cyclohexane	5.42	56	359992	51.546	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	346204	52.269	ug/L	99
31) Carbon tetrachloride	5.56	117	290190	52.569	ug/L	99
33) Benzene	5.81	78	904871	52.893	ug/L	100
34) Trichloroethene	6.57	95	225886	51.607	ug/L	99
35) Methylcyclohexane	6.79	83	361511	52.606	ug/L	99
37) 1,2-Dichloropropane	6.82	63	233348	52.595	ug/L	100
38) Bromodichloromethane	7.13	83	298646	52.526	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	368503	52.195	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	763223	108.167	ug/L	100
42) Toluene	7.99	91	958524	53.369	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	352240	53.299	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	219470	52.127	ug/L	99
46) Tetrachloroethene	8.57	164	165440	51.701	ug/L	95
48) 2-Hexanone	8.71	43	639314	107.312	ug/L	99
49) Dibromochloromethane	8.83	129	229068	53.734	ug/L	95
50) 1,2-Dibromoethane	8.94	107	238130	52.619	ug/L	98
51) Chlorobenzene	9.47	112	598691	51.867	ug/L	100
52) Ethylbenzene	9.59	91	1066615	53.002	ug/L	100
53) m,p-Xylene	9.71	106	410020	53.278	ug/L	99
54) o-xylene	10.12	106	400548	53.534	ug/L	99
55) Styrene	10.13	104	696085	54.129	ug/L	99
56) Isopropylbenzene	10.50	105	1043773	53.382	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	379726	52.703	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	322740	52.019	ug/L	100
61) Bromoform	10.31	173	163968	53.589	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	469238	52.702	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	477242	52.734	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	464674	52.629	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	96896	53.606	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	341438	53.884	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	329414	54.203	ug/L	99
69) Naphthalene	14.11	128	1249737	57.433	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	333599	54.948	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 51.517 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

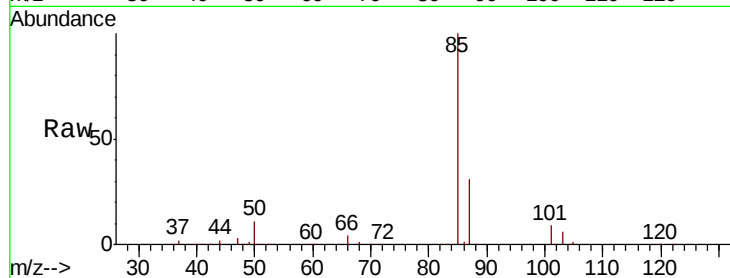
VICV34

Tot Ion: 85 Resp: 244331

Ion Ratio Lower Upper

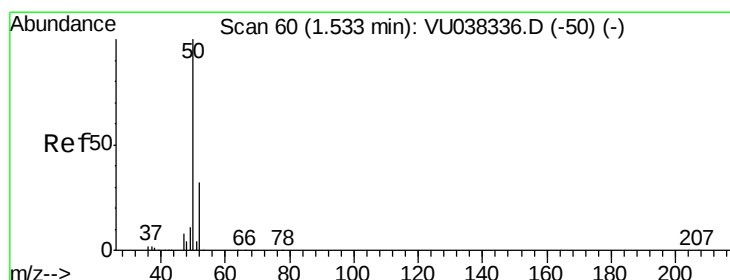
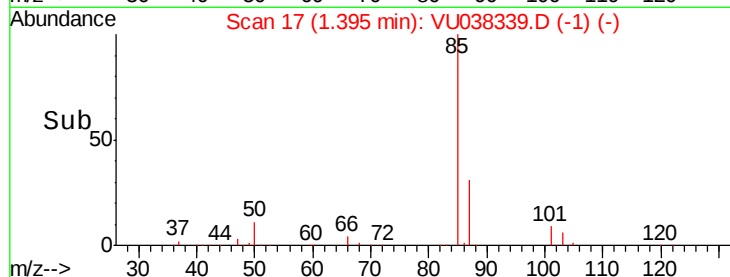
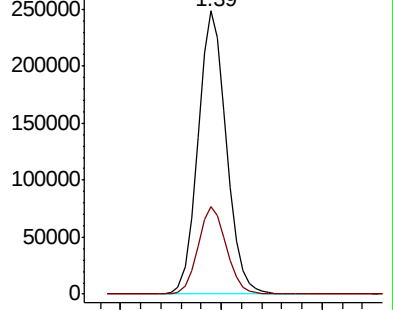
85 100

87 30.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038339.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038339.D (-9) (-)



#3

Chloromethane

Concen: 49.851 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038339.D

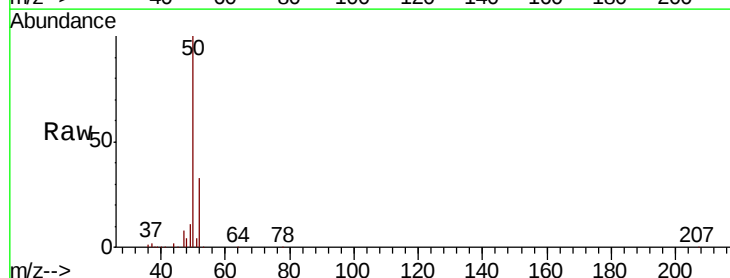
Acq: 28 May 2020 11:38

Tgt Ion: 50 Resp: 217903

Ion Ratio Lower Upper

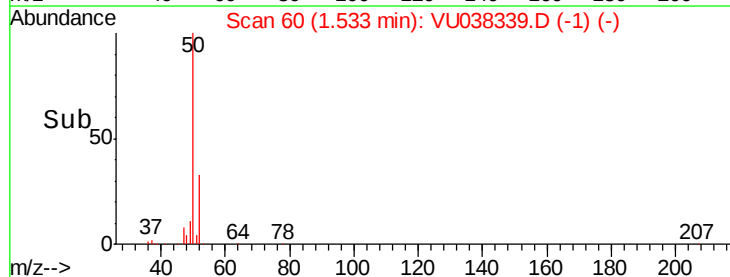
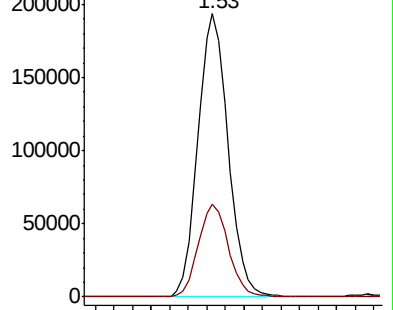
50 100

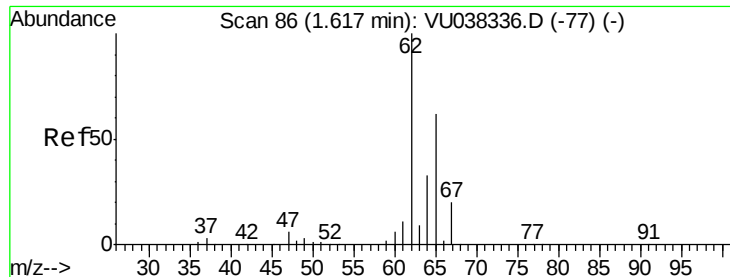
52 32.7 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VU038339.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU038339.D (-50) (-)





#5

Vinyl chloride

Concen: 50.870 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

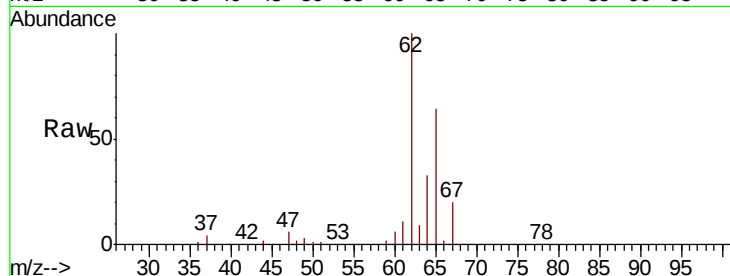
VICV34

Tot Ion: 62 Resp: 245645

Ion Ratio Lower Upper

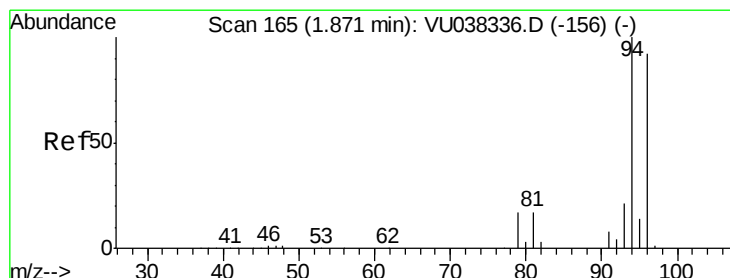
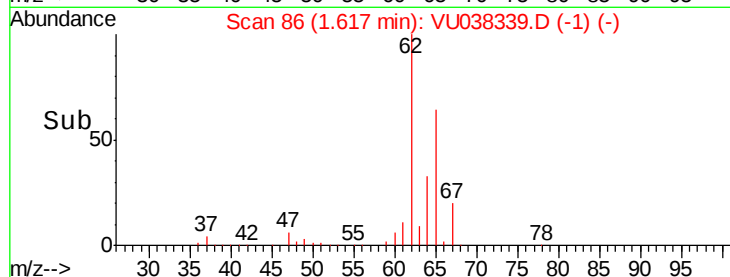
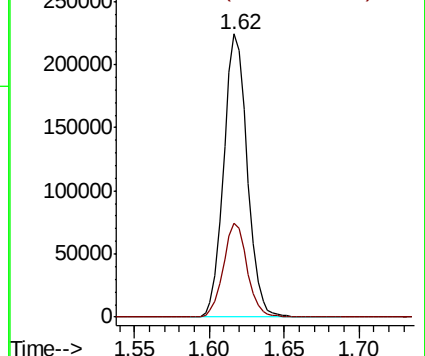
62 100

64 33.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 56.168 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038339.D

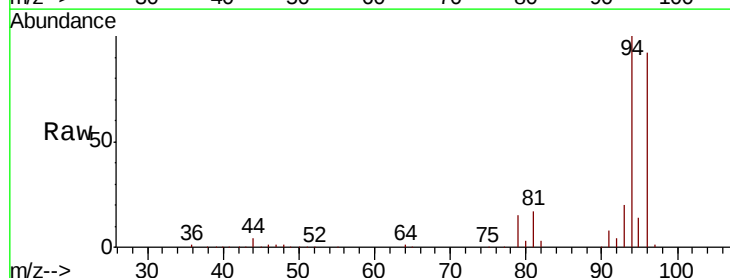
Acq: 28 May 2020 11:38

Tgt Ion: 94 Resp: 110960

Ion Ratio Lower Upper

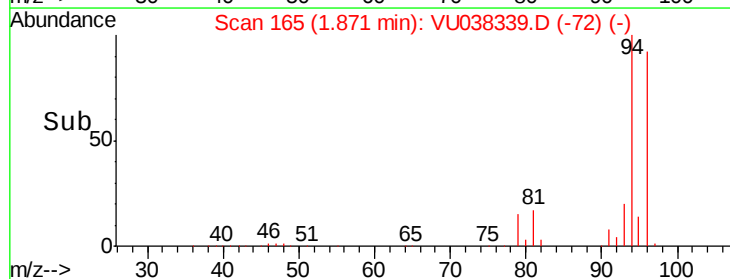
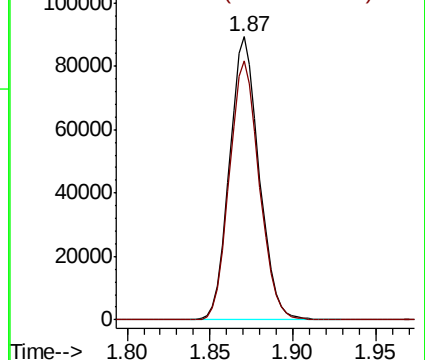
94 100

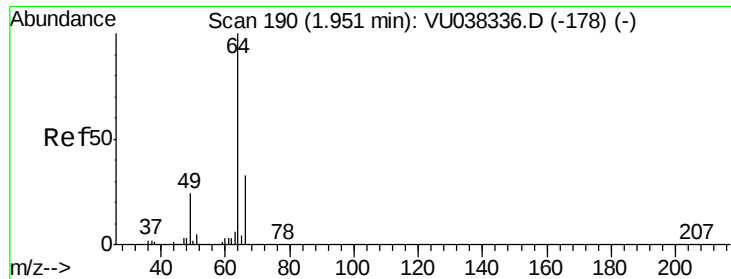
96 91.6 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

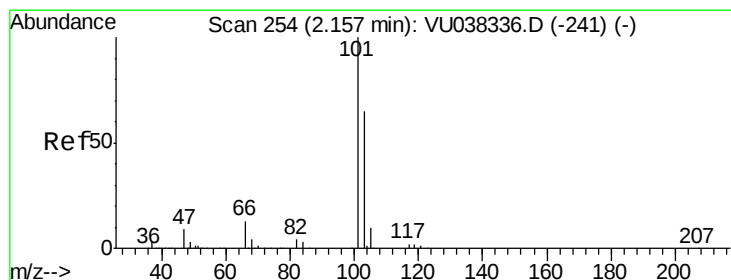
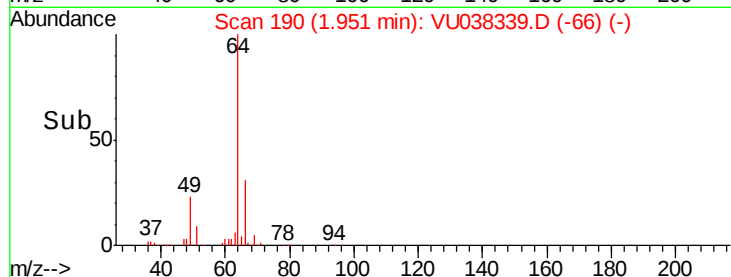
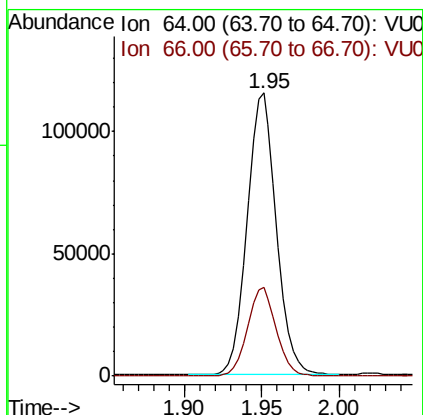
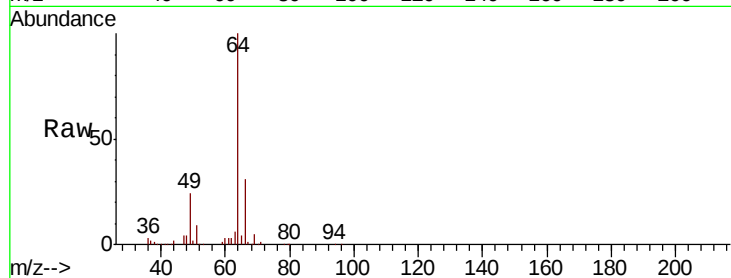




#8
Chloroethane
Concen: 51.249 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

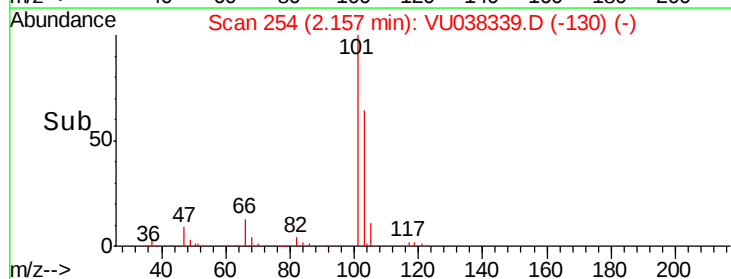
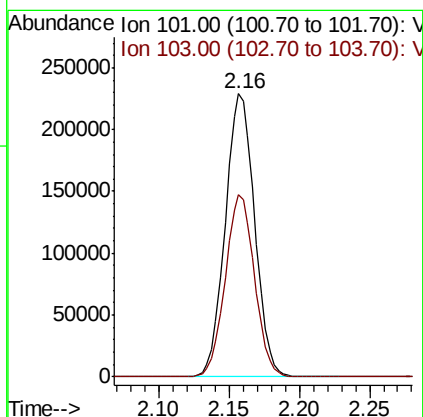
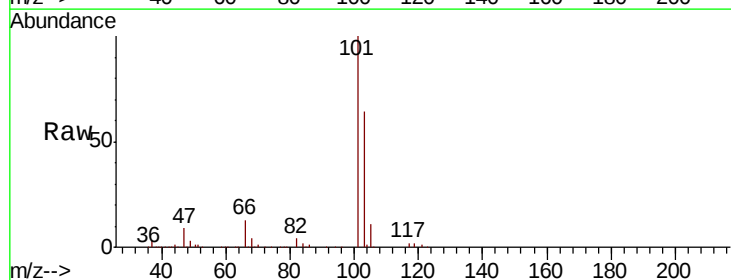
Instrument :
MSVOA_U
ClientSampleId :
VICV34

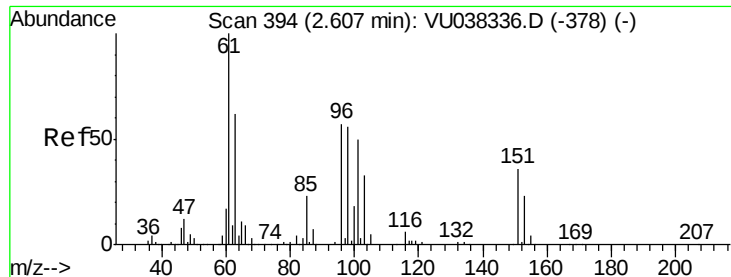
Tot Ion: 64 Resp: 151215
Ion Ratio Lower Upper
64 100
66 31.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 51.414 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion: 101 Resp: 332728
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.0





#10

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

Concen: 51.982 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

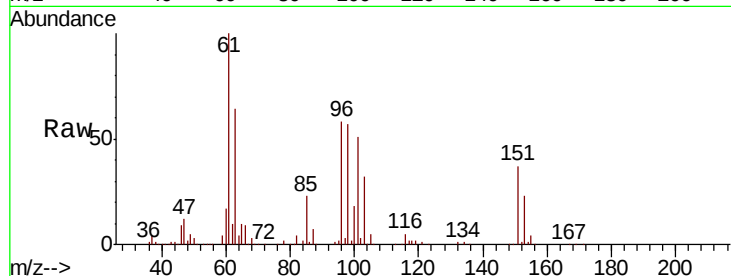
Tot Ion:101 Resp: 201141

Ion Ratio Lower Upper

101 100

85 42.7 35.5 53.3

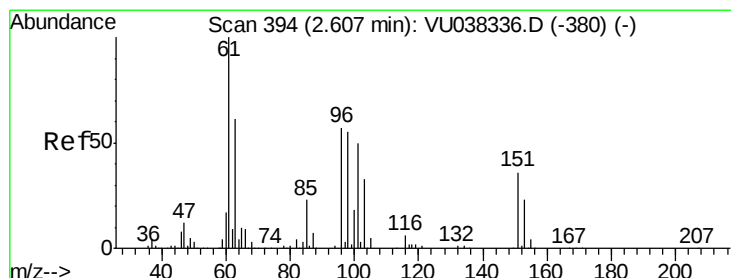
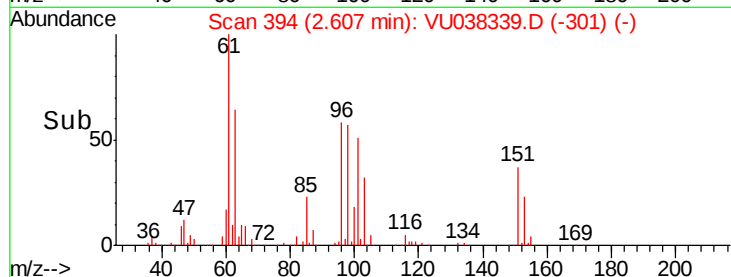
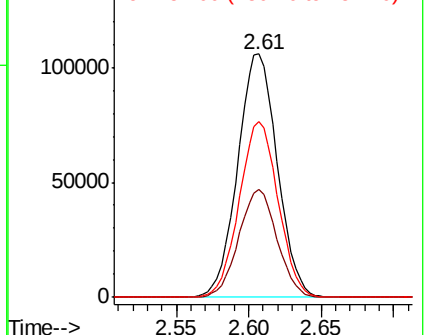
151 70.9 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.469 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

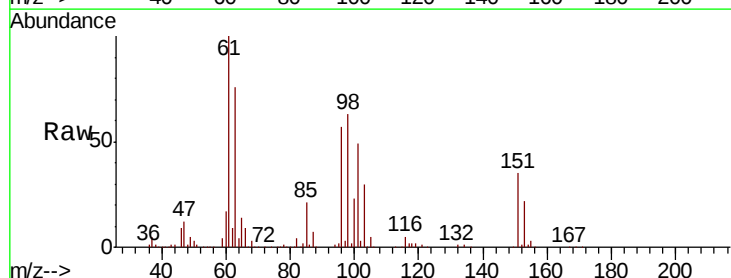
Tgt Ion: 96 Resp: 196619

Ion Ratio Lower Upper

96 100

61 176.1 123.5 229.3

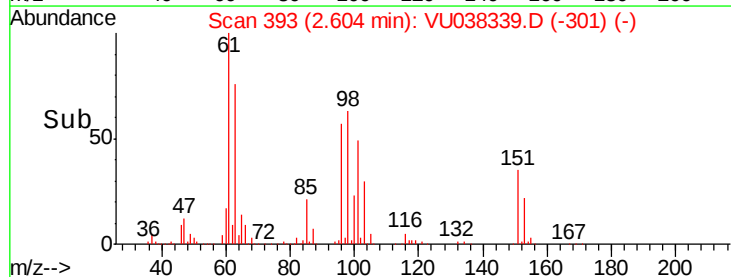
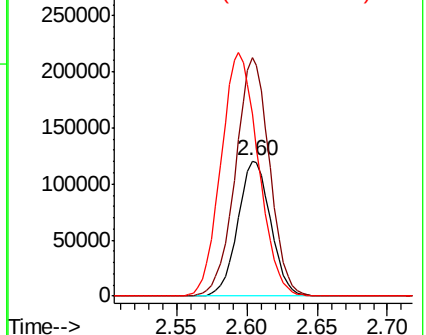
63 134.3 76.6 142.2

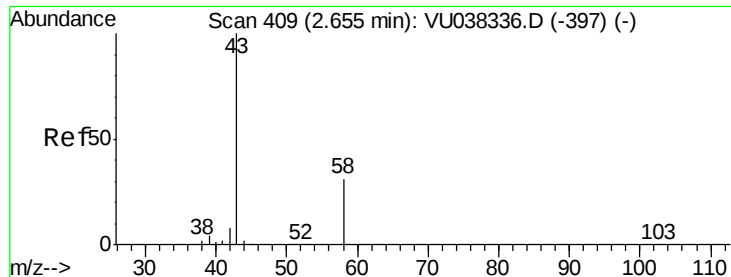


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.009 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

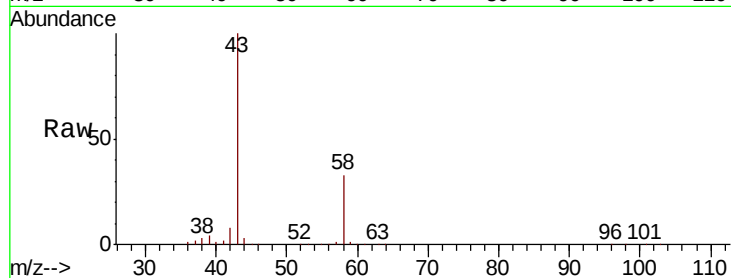
VICV34

Tot Ion: 43 Resp: 259204

Ion Ratio Lower Upper

43 100

58 34.2 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VU038339.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU038339.D (-316) (-)

2.66

150000

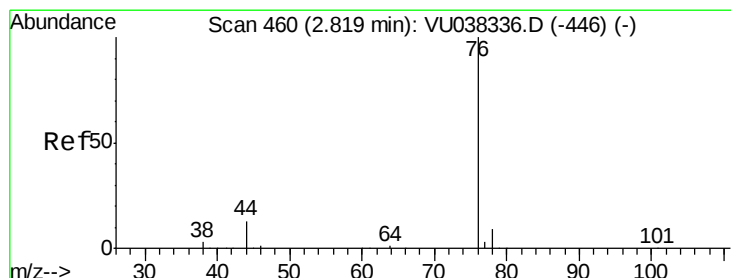
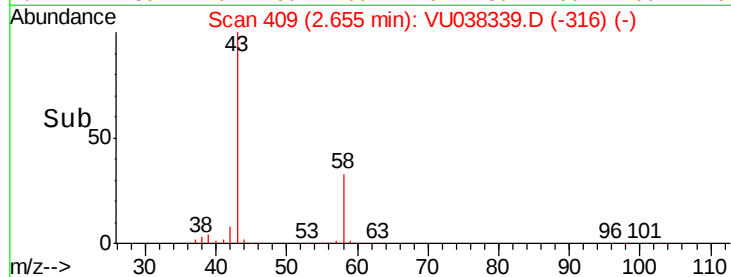
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 51.577 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038339.D

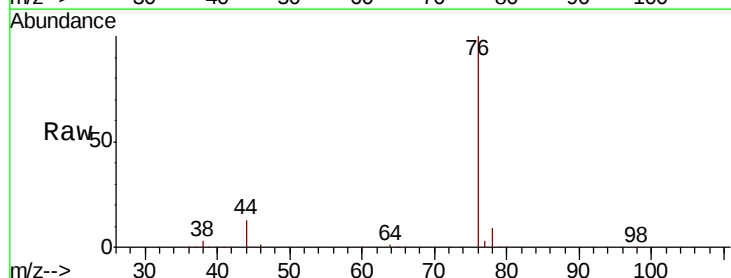
Acq: 28 May 2020 11:38

Tgt Ion: 76 Resp: 642589

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU038339.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038339.D (-367) (-)

2.82

400000

300000

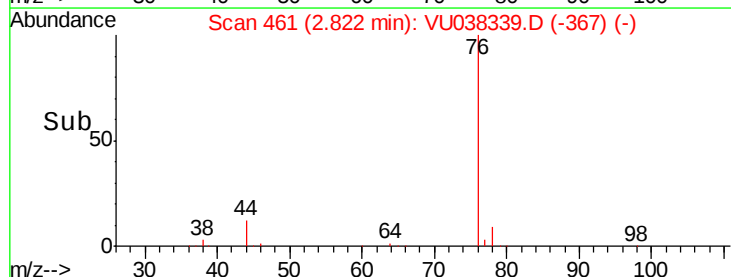
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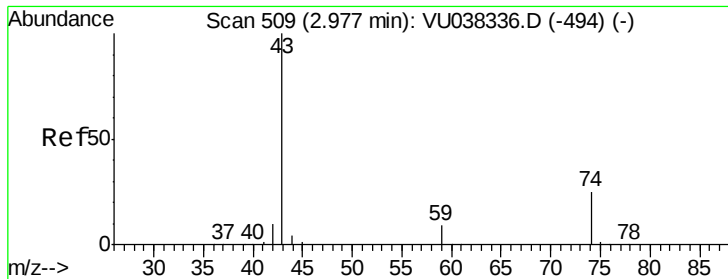
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0

2.75 2.80 2.85 2.90

Time-->

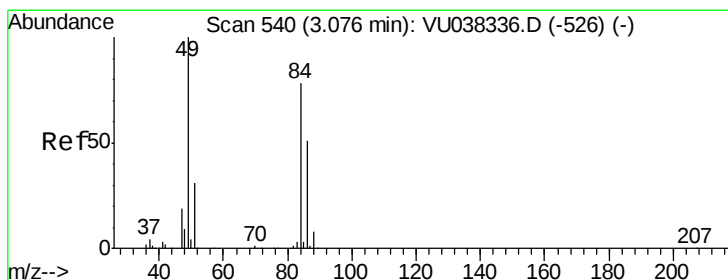
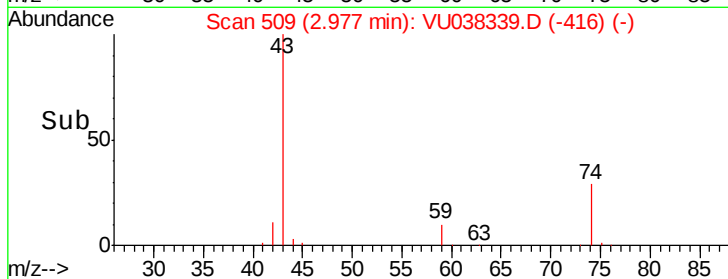
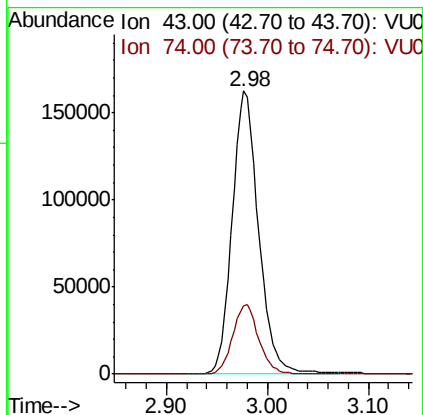
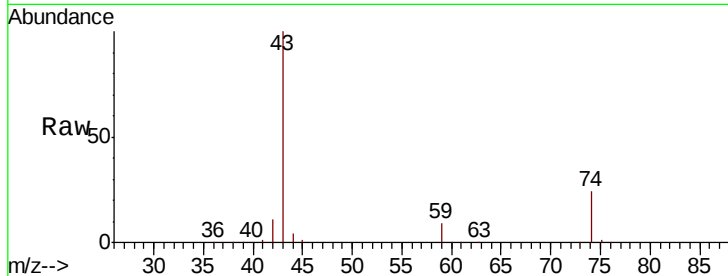




#15
Methvl Acetate
Concen: 52.840 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

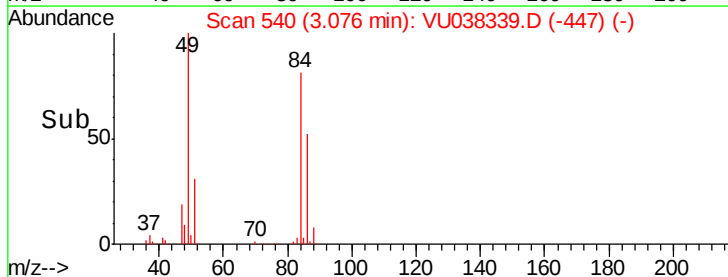
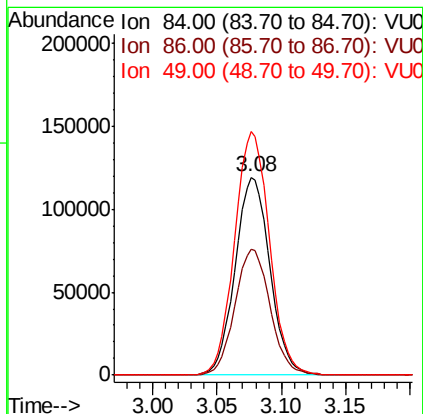
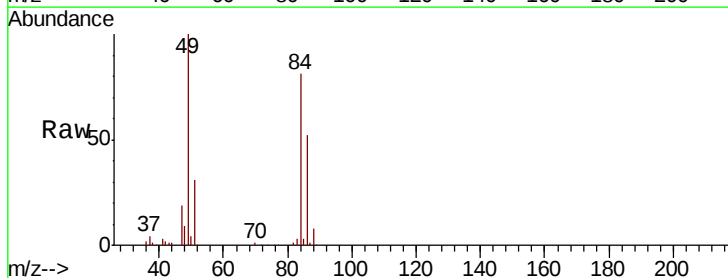
Instrument :
MSVOA_U
ClientSampled :
VICV34

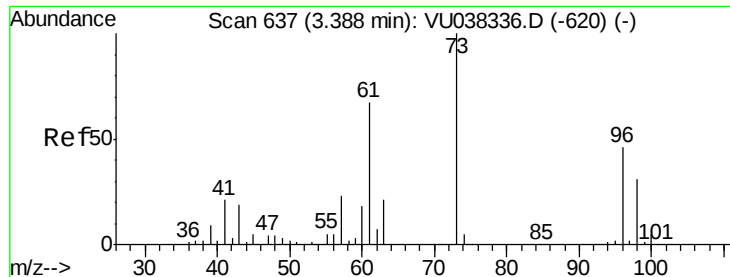
Tot Ion: 43 Resp: 295763
Ion Ratio Lower Upper
43 100
74 24.1 19.1 28.7



#16
Methylene chloride
Concen: 51.055 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion: 84 Resp: 224112
Ion Ratio Lower Upper
84 100
86 63.9 46.1 85.7
49 123.0 90.0 167.2

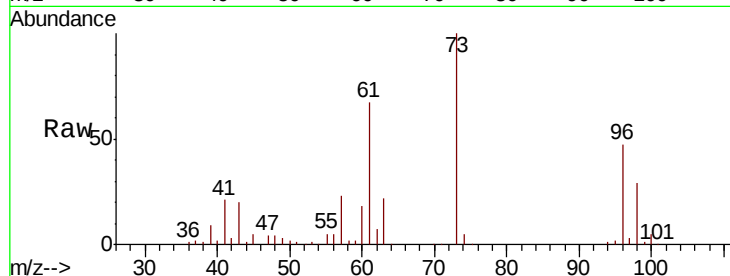




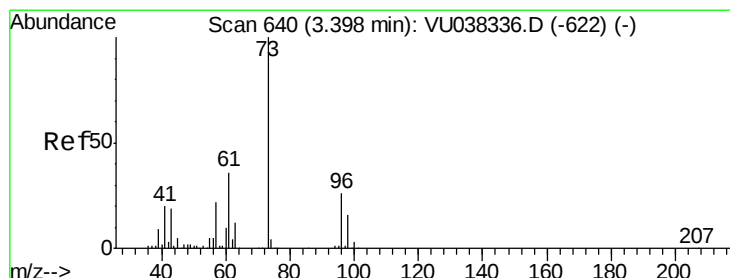
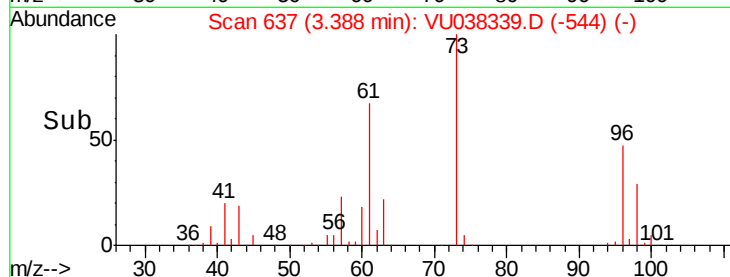
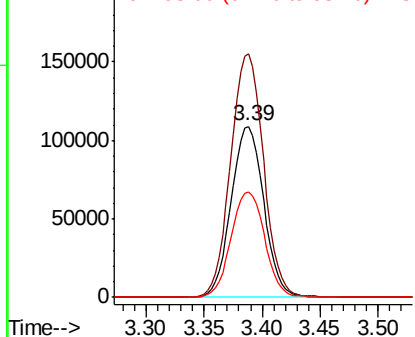
#17
trans-1,2-Dichloroethene
Concen: 52.071 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Instrument :
MSVOA_U
ClientSampled :
VICV34

Tot Ion: 96 Resp: 213667
Ion Ratio Lower Upper
96 100
61 142.4 100.4 186.4
98 61.5 46.1 85.5

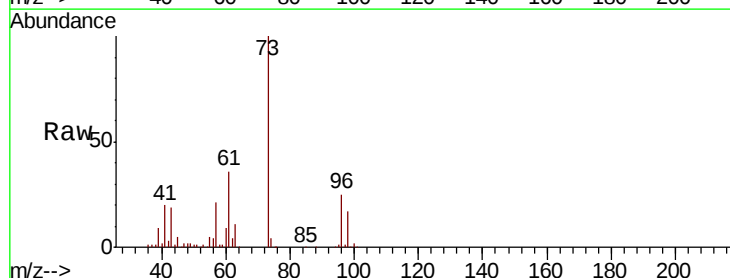


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

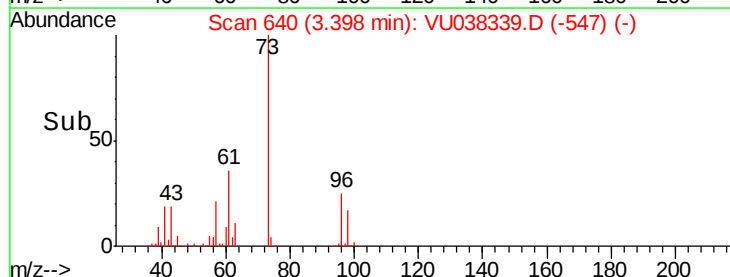
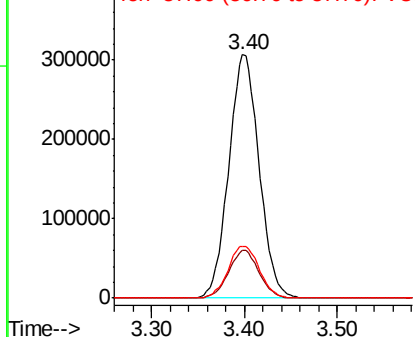


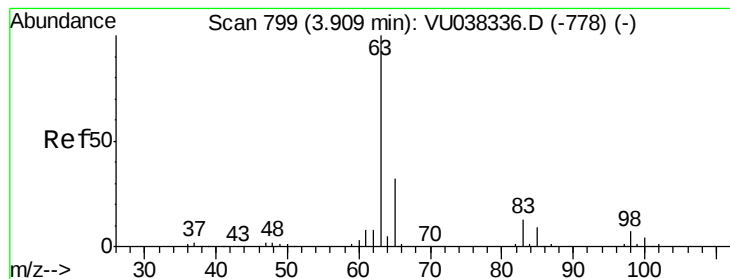
#18
Methyl tert-butyl Ether
Concen: 52.786 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion: 73 Resp: 694575
Ion Ratio Lower Upper
73 100
43 19.8 15.7 23.5
57 22.2 17.7 26.5



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: 51.448 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

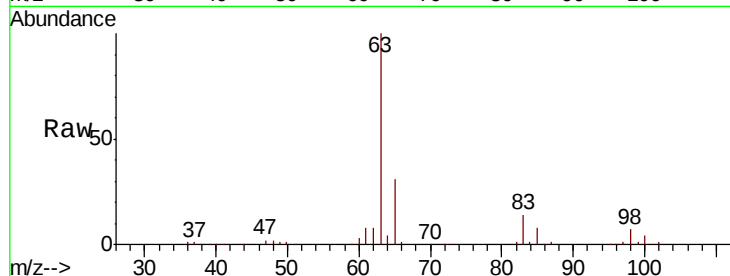
Tot Ion: 63 Resp: 399797

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

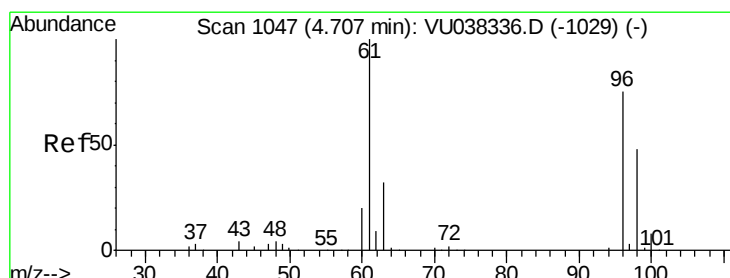
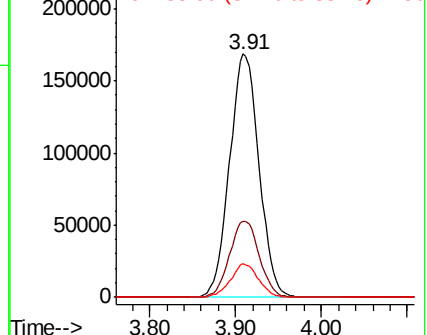
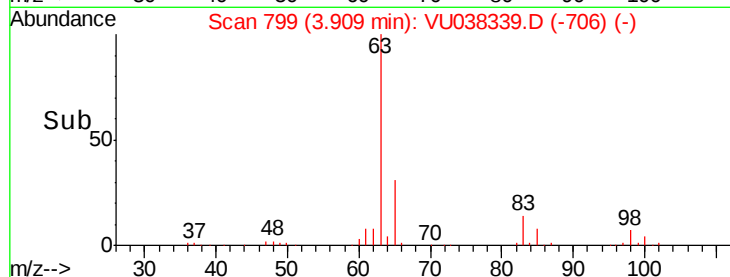
83 13.8 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038339.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU038339.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU038339.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.287 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

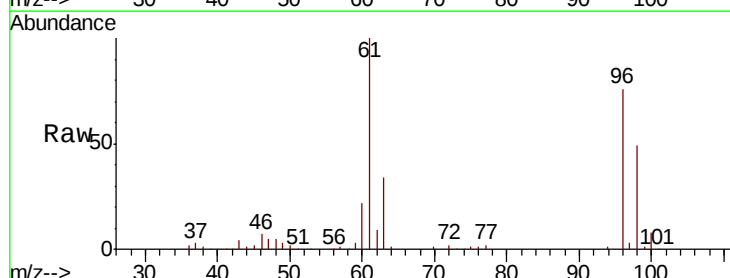
Tgt Ion: 96 Resp: 235037

Ion Ratio Lower Upper

96 100

61 131.0 93.4 173.4

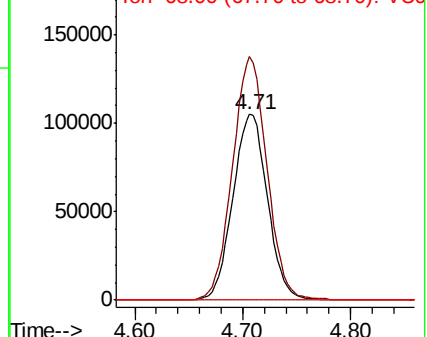
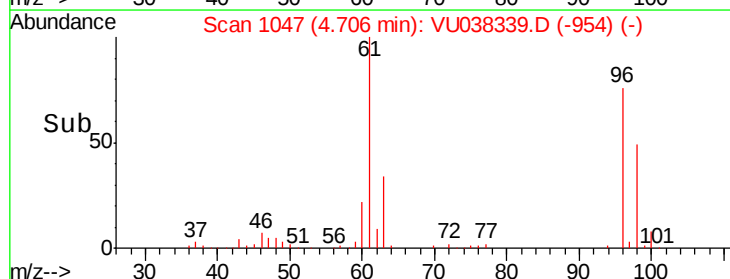
68 0.0 0.0 0.0

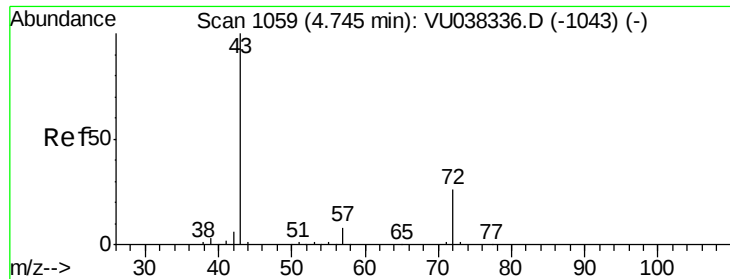


Abundance Ion 96.00 (95.70 to 96.70): VU038339.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU038339.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU038339.D (-954) (-)





#22

2-Butanone

Concen: 98.846 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

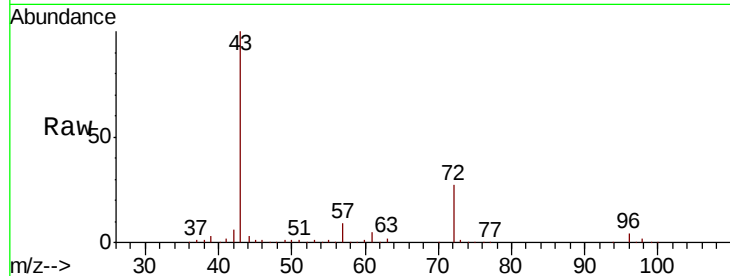
VICV34

Tot Ion: 43 Resp: 432741

Ion Ratio Lower Upper

43 100

72 27.2 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VU038339.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU038339.D (-1043) (-)

4.74

200000

150000

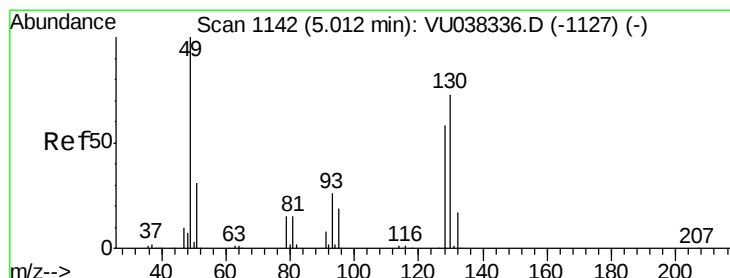
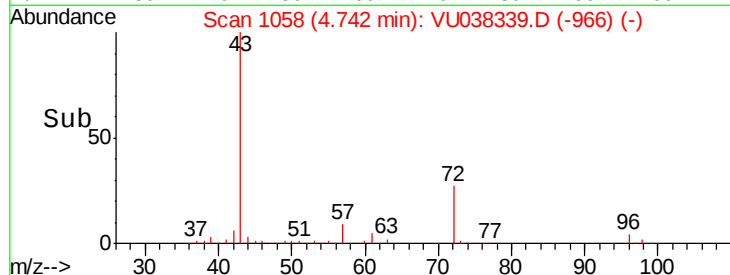
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 50.545 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Tgt Ion:128 Resp: 112484

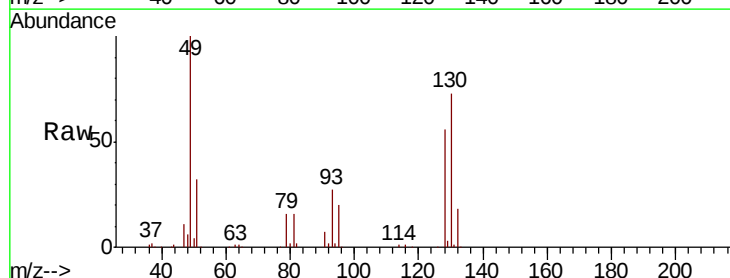
Ion Ratio Lower Upper

128 100

49 177.6 120.1 223.1

130 129.2 88.1 163.5

51 56.4 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VU038339.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038339.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038339.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038339.D (-1049) (-)

5.01

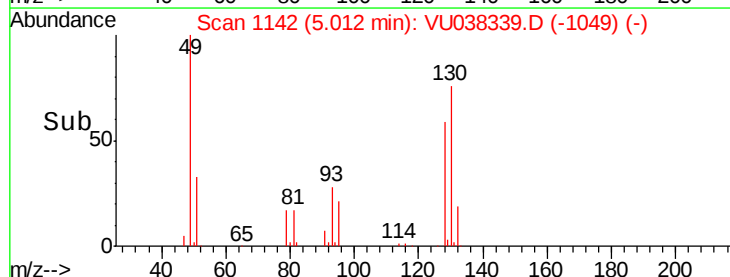
100000

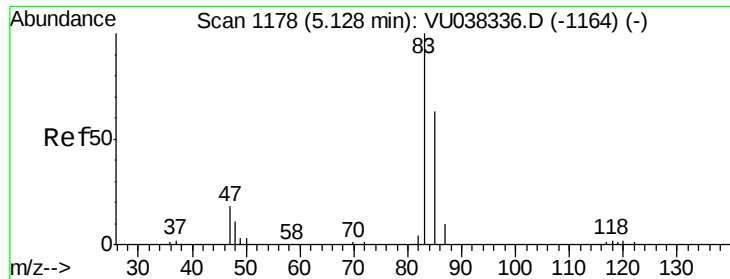
50000

0

4.95 5.05 5.10

Time-->

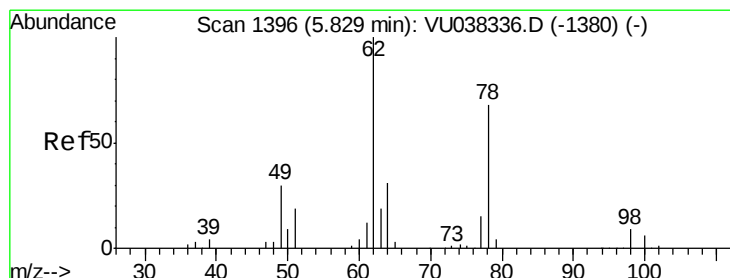
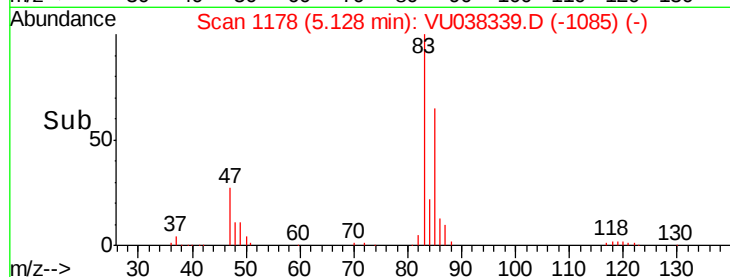
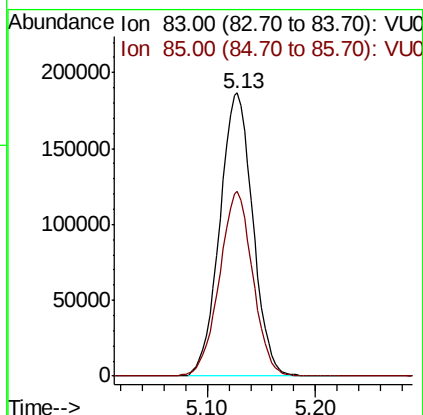
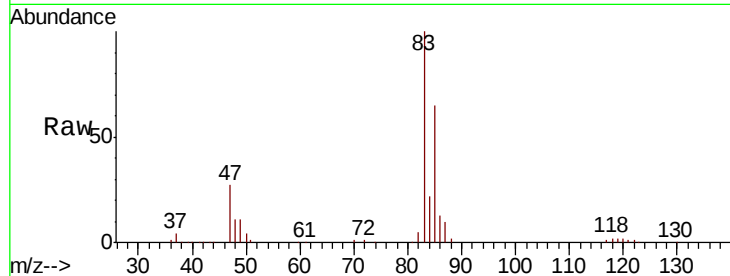




#25
Chloroform
Concen: 49.736 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

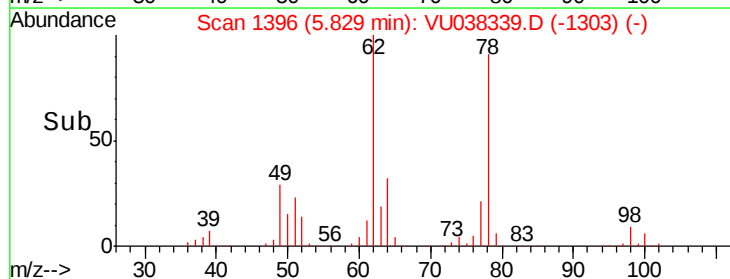
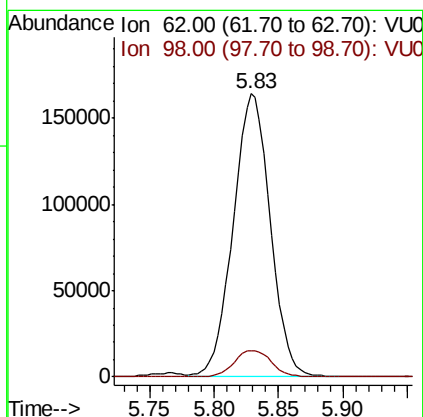
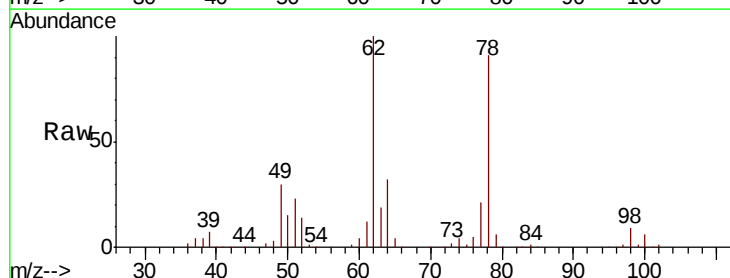
Instrument :
MSVOA_U
ClientSampleId :
VICV34

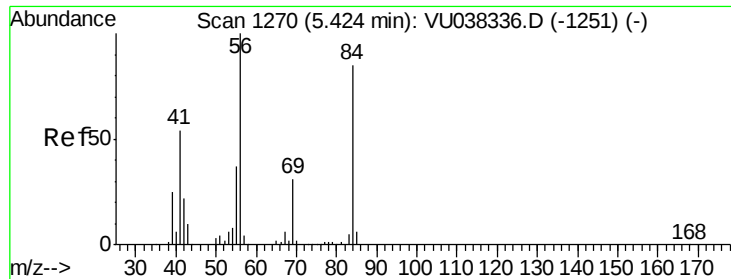
Tot Ion: 83 Resp: 397454
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 50.692 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion: 62 Resp: 328001
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

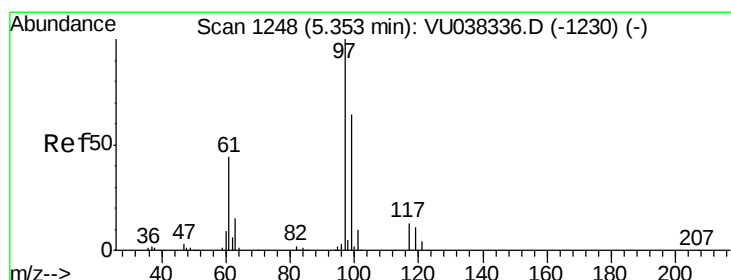
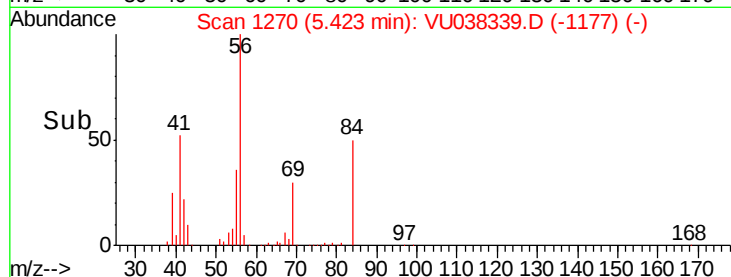
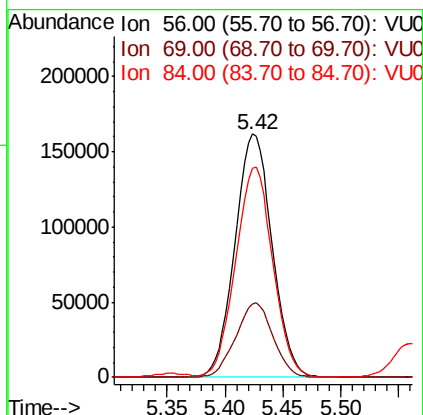
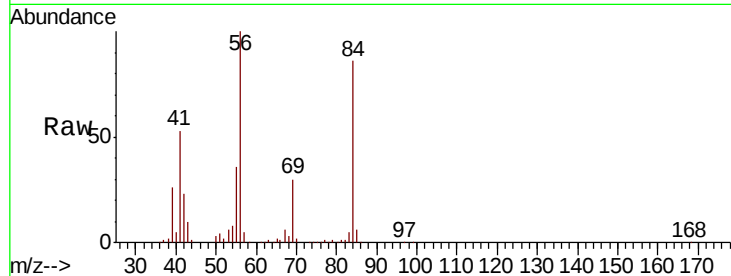




#29
Cyclohexane
Concen: 51.546 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

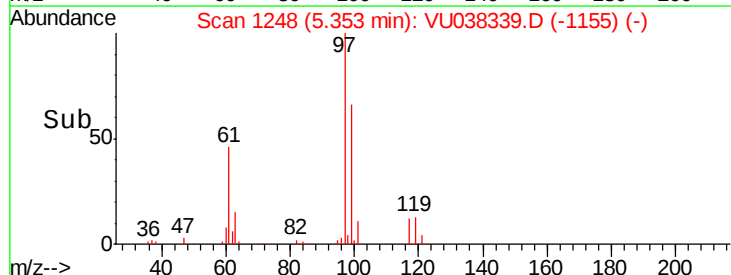
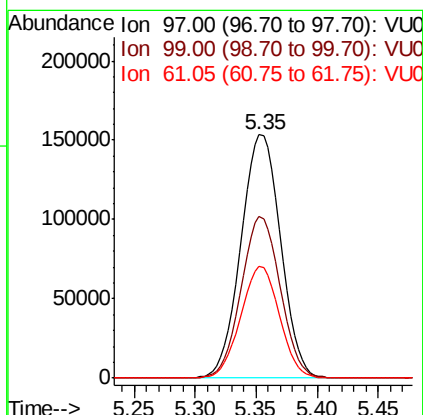
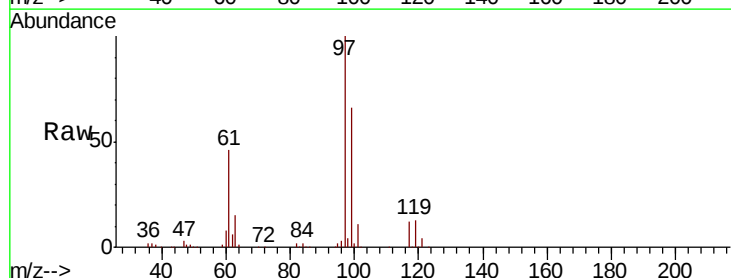
Instrument :
MSVOA_U
ClientSampled :
VICV34

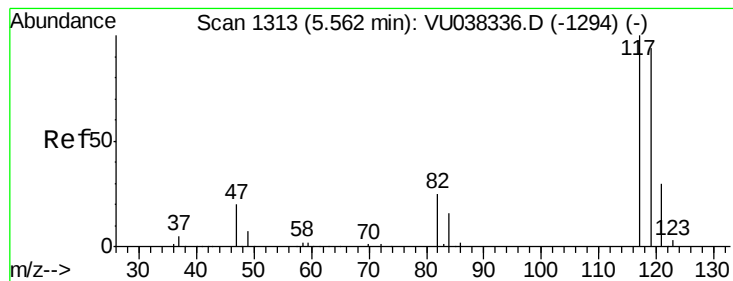
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.7	37.1
84	86.3	68.2	102.4



#30
1,1,1-Trichloroethane
Concen: 52.269 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	44.8	35.9	53.9





#31

Carbon tetrachloride

Concen: 52.569 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

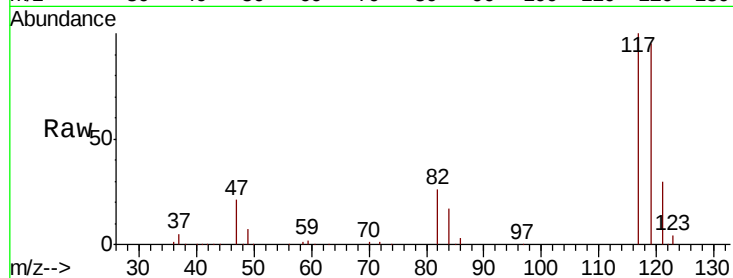
VICV34

Tot Ion:117 Resp: 290190

Ion Ratio Lower Upper

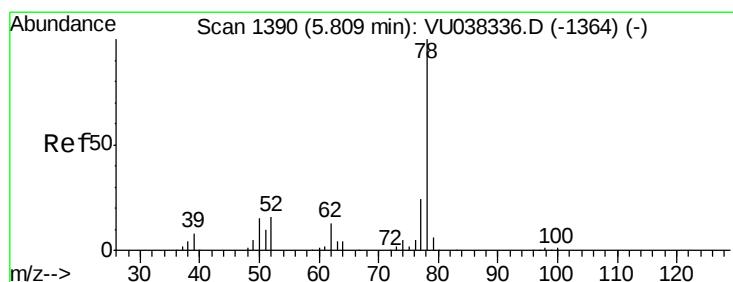
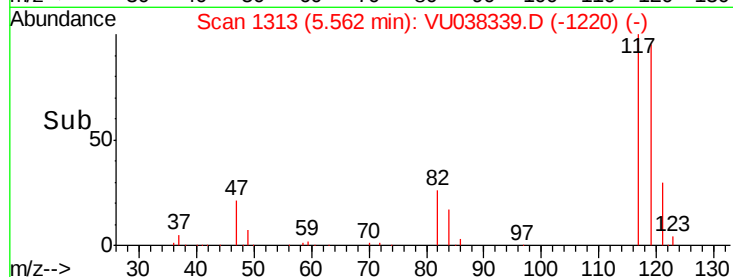
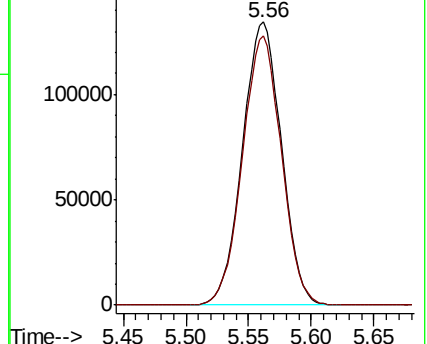
117 100

119 95.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.893 ug/L

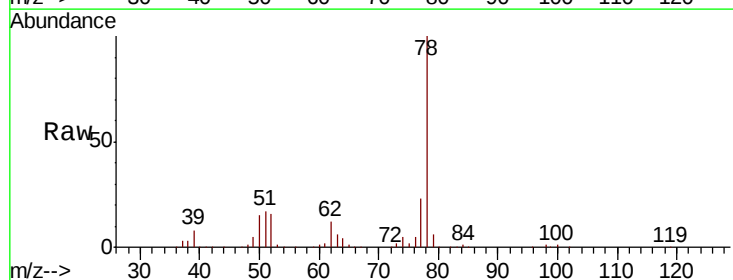
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

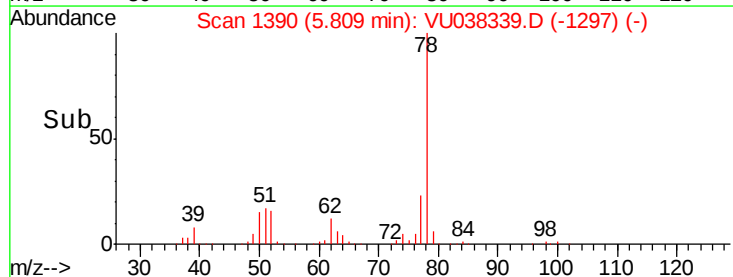
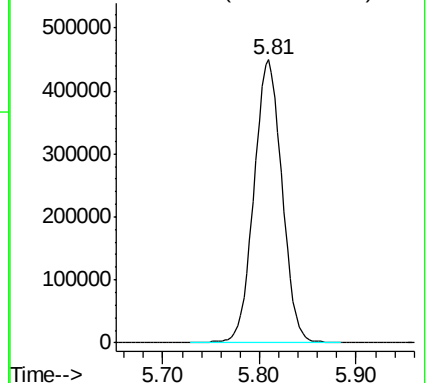
Lab File: VU038339.D

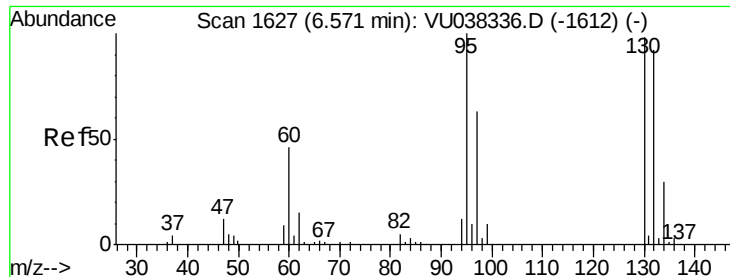
Acq: 28 May 2020 11:38

Tgt Ion: 78 Resp: 904871



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.607 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

Tot Ion: 95 Resp: 225886

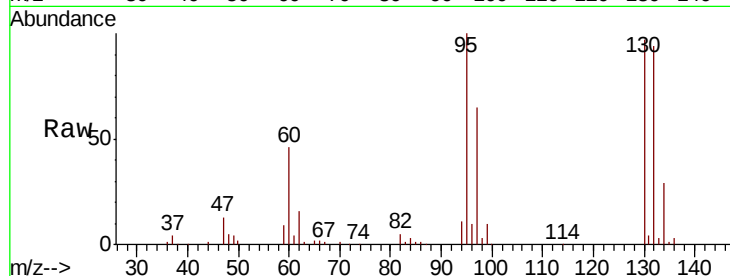
Ion Ratio Lower Upper

95 100

97 65.5 44.3 82.3

132 93.9 64.7 120.1

130 97.5 68.5 127.1

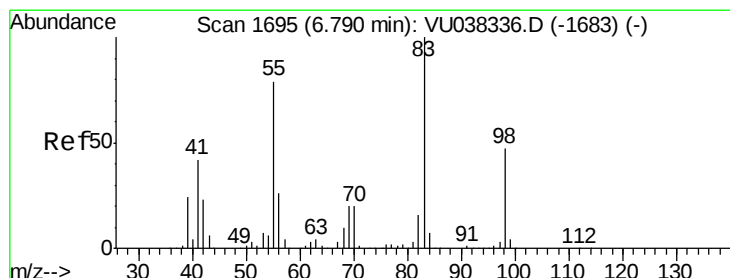
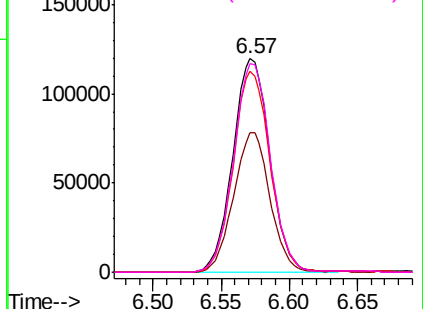
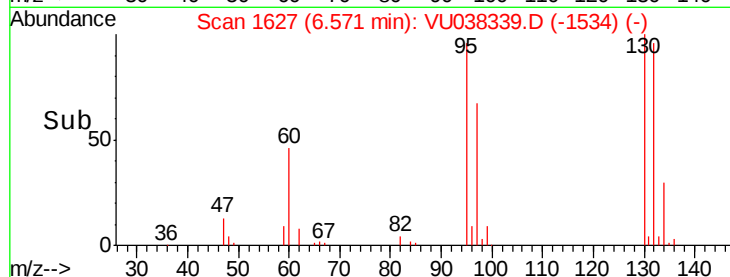


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.606 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

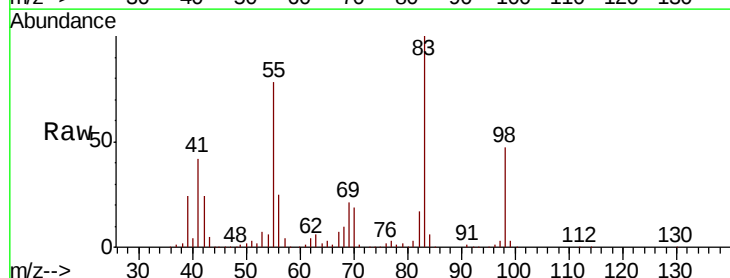
Tgt Ion: 83 Resp: 361511

Ion Ratio Lower Upper

83 100

55 78.2 63.0 94.4

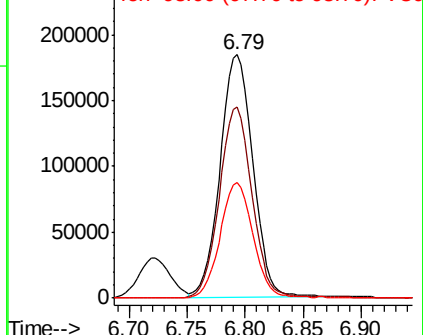
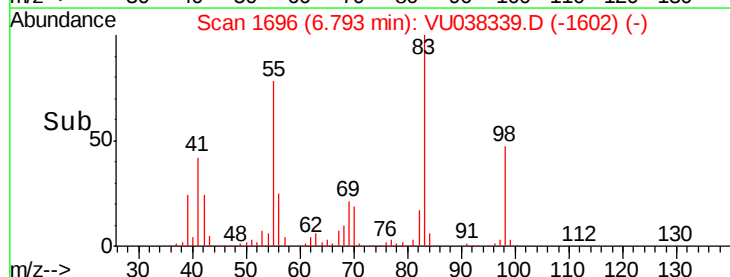
98 47.4 38.6 57.8

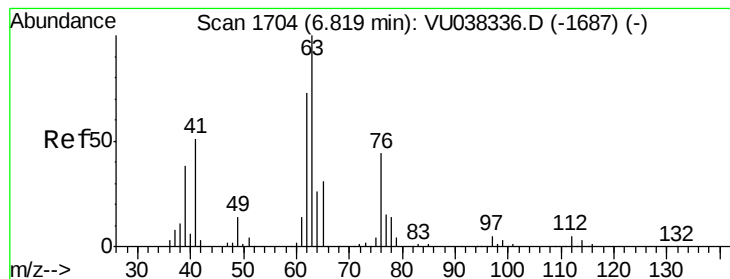


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.595 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

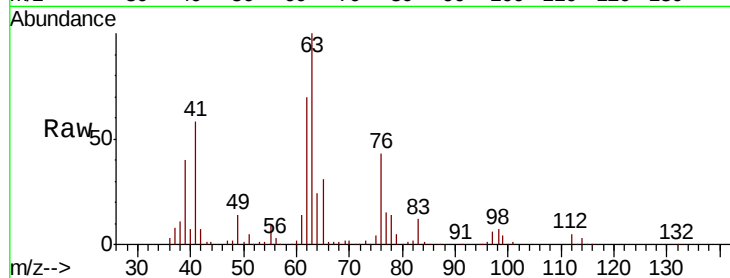
VICV34

Tot Ion: 63 Resp: 233348

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU038336.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU038339.D (-1611) (-)

6.82

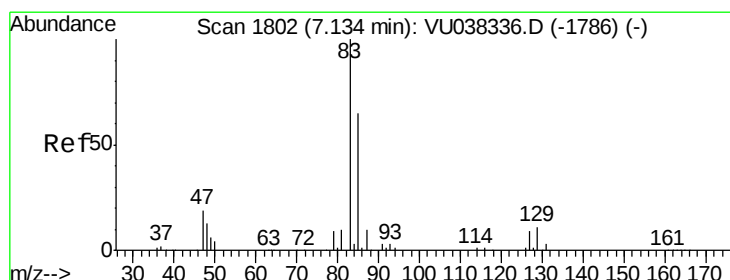
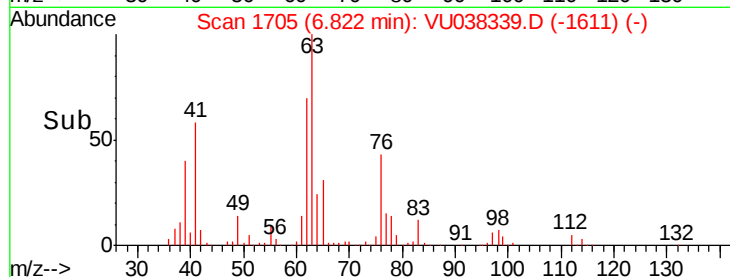
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 52.526 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

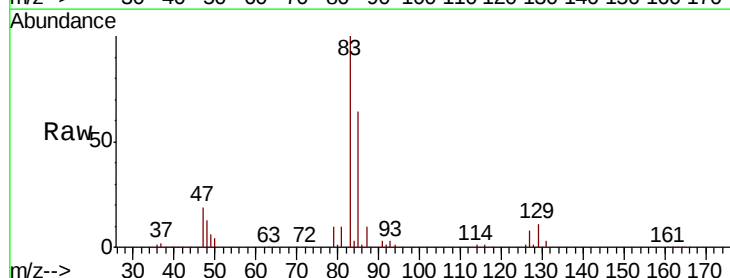
Tgt Ion: 83 Resp: 298646

Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

127 7.8 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038336.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038339.D (-1709) (-)

Ion 127.00 (126.70 to 127.70): VU038339.D (-1709) (-)

7.13

200000

150000

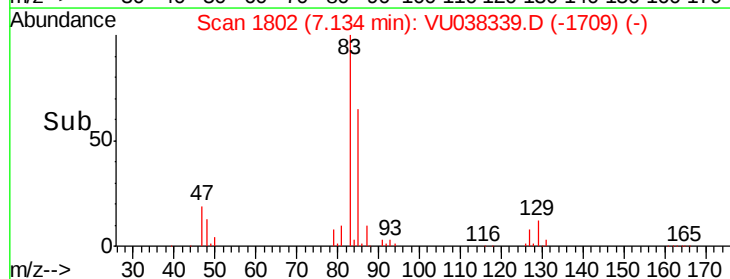
100000

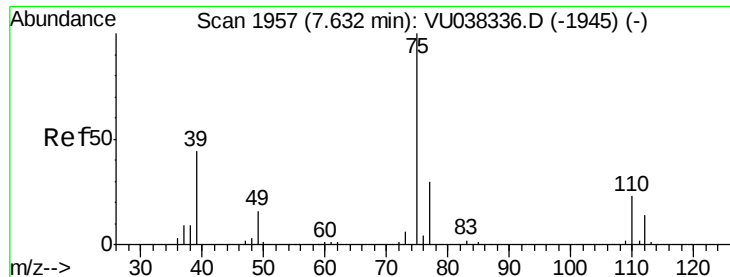
50000

0

7.05 7.10 7.15 7.20 7.25

Time-->

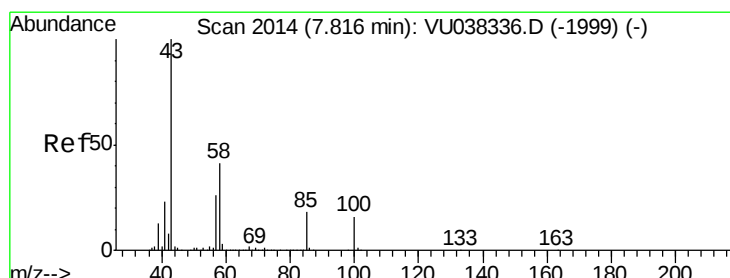
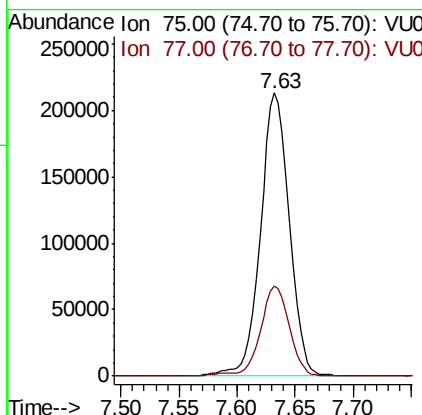
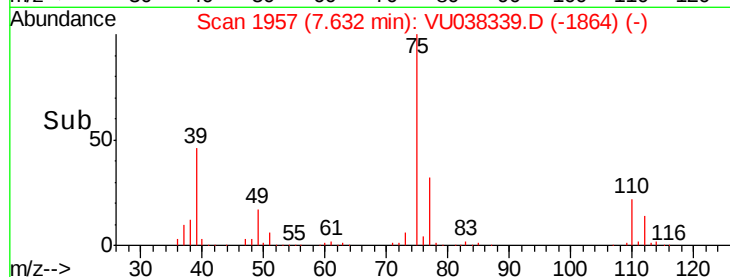
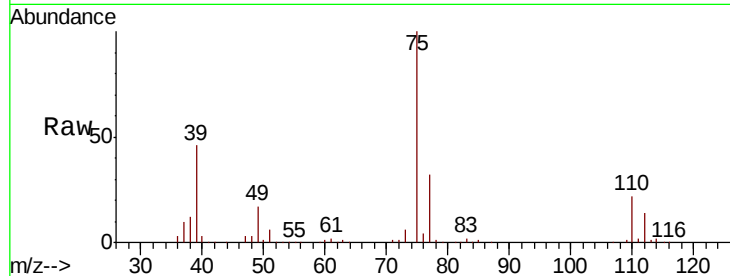




#39
 cis-1,3-Dichloropropene
 Concen: 52.195 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038339.D
 Acq: 28 May 2020 11:38

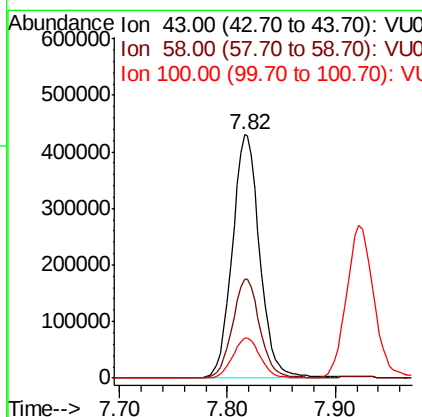
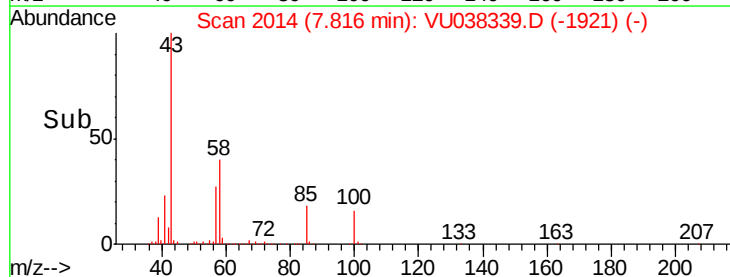
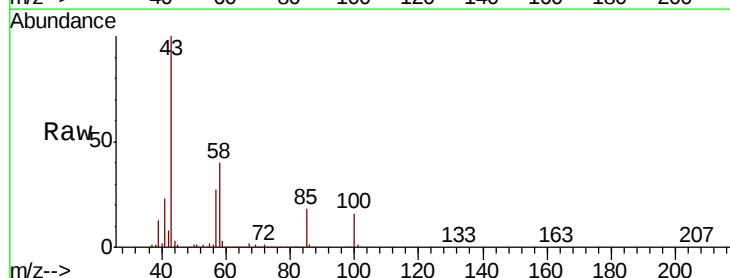
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

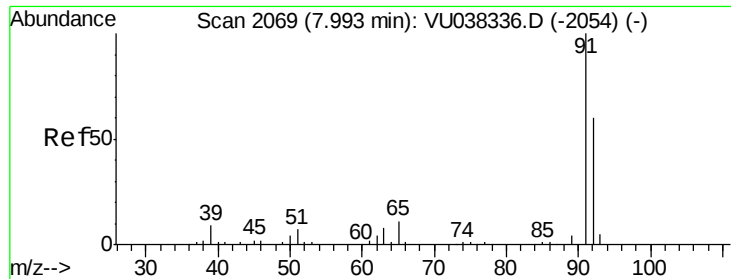
Tot Ion: 75 Resp: 368503
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 108.167 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038339.D
 Acq: 28 May 2020 11:38

Tgt Ion: 43 Resp: 763223
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 48.8
 100 16.5 12.9 19.3





#42

Toluene

Concen: 53.369 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

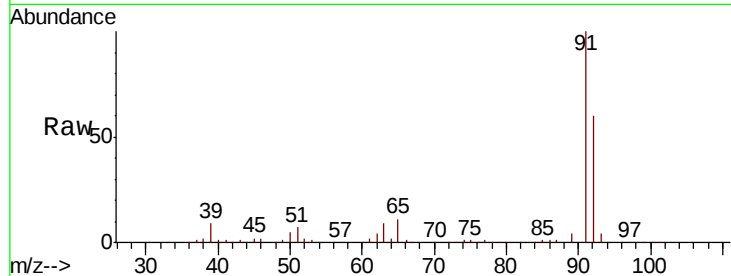
VICV34

Tot Ion: 91 Resp: 958524

Ion Ratio Lower Upper

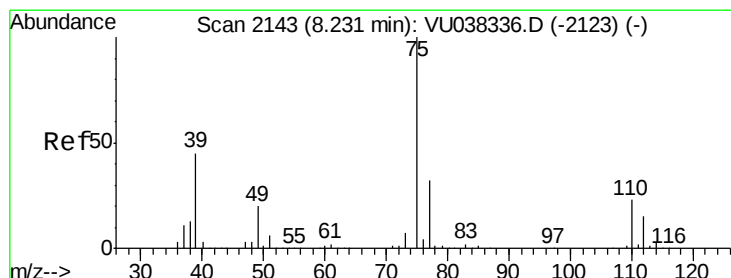
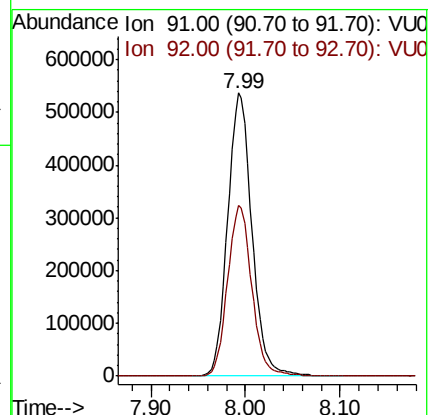
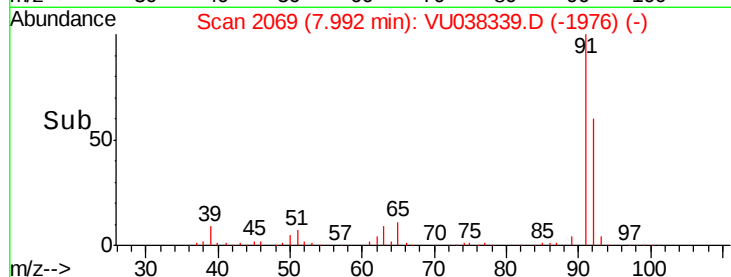
91 100

92 60.2 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038339.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038339.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 53.299 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038339.D

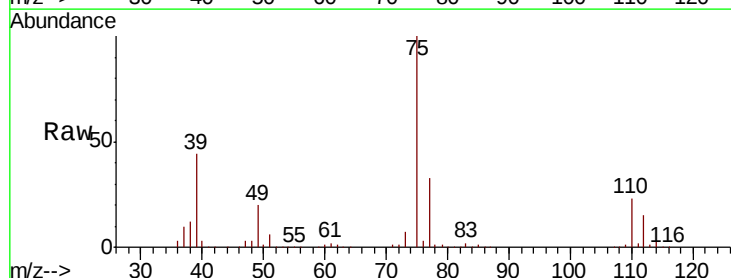
Acq: 28 May 2020 11:38

Tgt Ion: 75 Resp: 352240

Ion Ratio Lower Upper

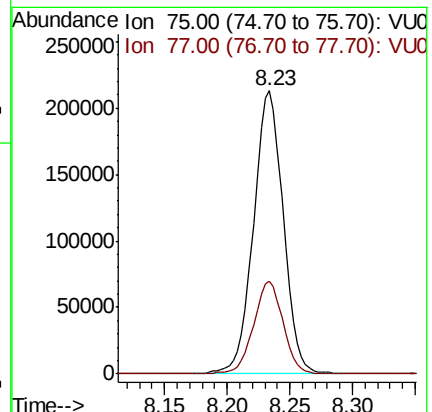
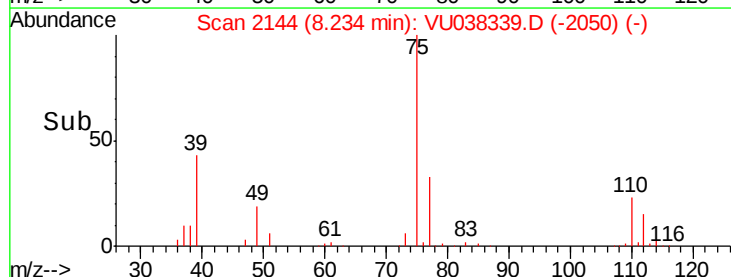
75 100

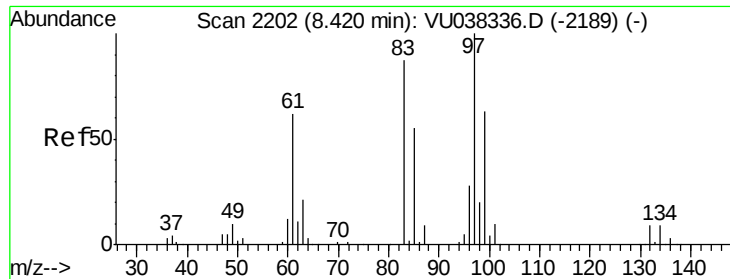
77 32.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU038339.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU038339.D (-2050) (-)

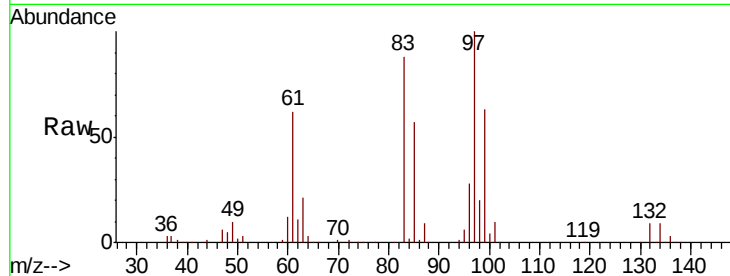




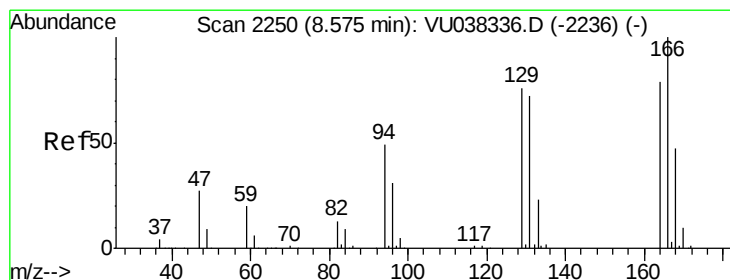
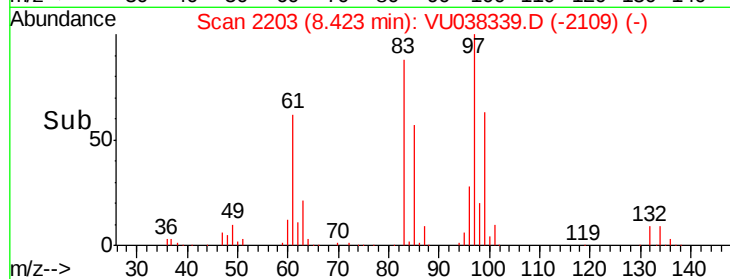
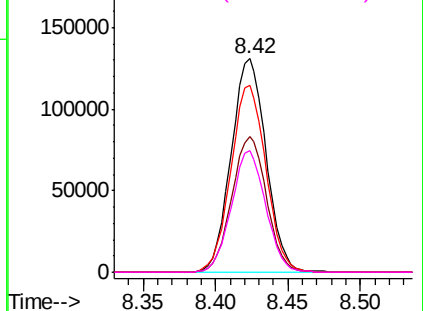
#45
1,1,2-Trichloroethane
Concen: 52.127 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Instrument :
MSVOA_U
ClientSampleId :
VICV34

Tot Ion:	97	Resp:	219470
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	87.7	60.8	113.0
85	56.9	38.1	70.9

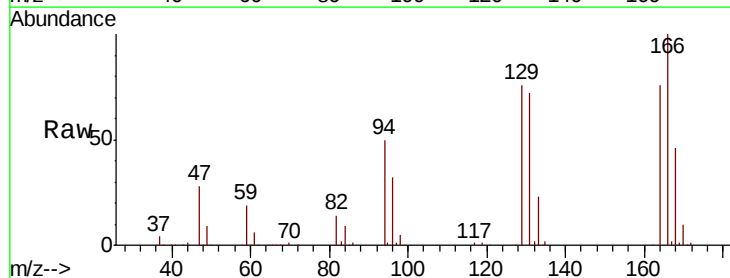


Abundance Ion 97.00 (96.70 to 97.70): VU038339.D (-2189) (-)

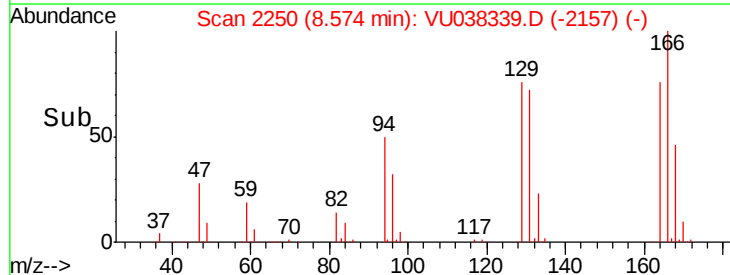
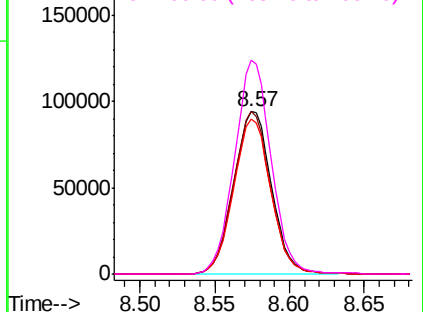


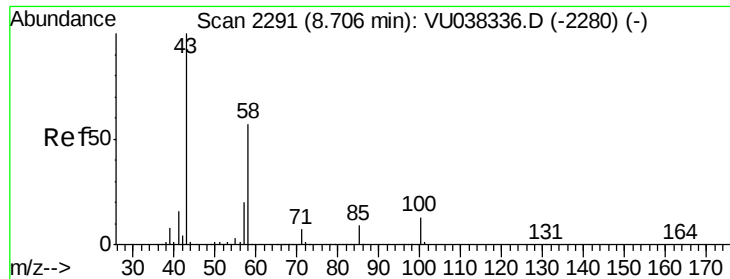
#46
Tetrachloroethene
Concen: 51.701 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion:	164	Resp:	165440
Ion	Ratio	Lower	Upper
164	100		
129	100.2	67.2	124.8
131	95.3	63.4	117.8
166	131.6	88.5	164.4



Abundance Ion 164.00 (163.70 to 164.70): VU038339.D (-2236) (-)

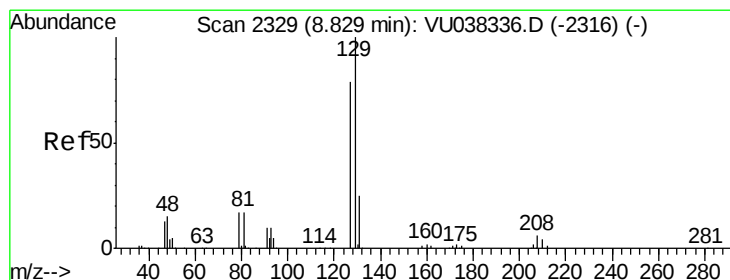
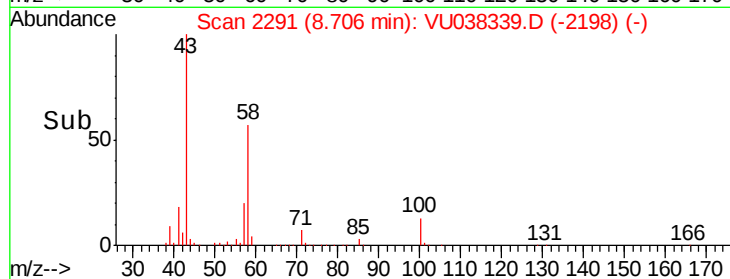
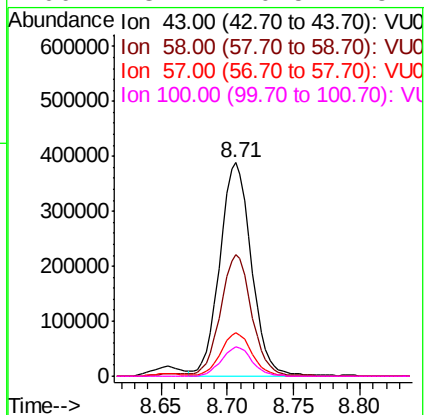
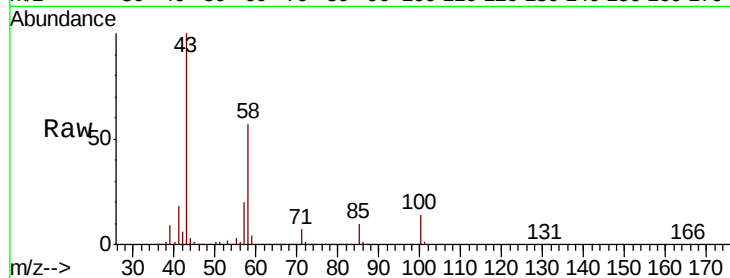




#48
2-Hexanone
Concen: 107.312 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

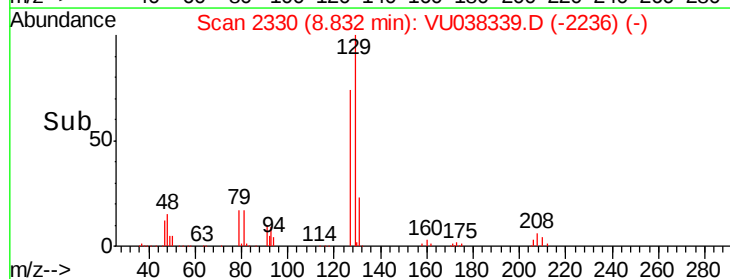
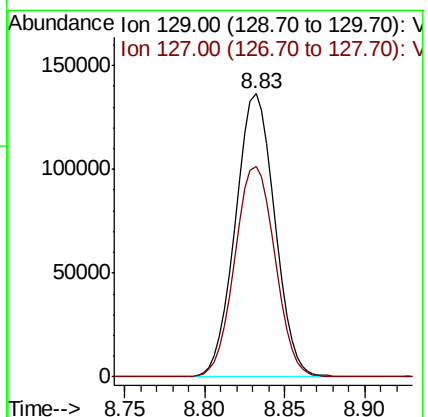
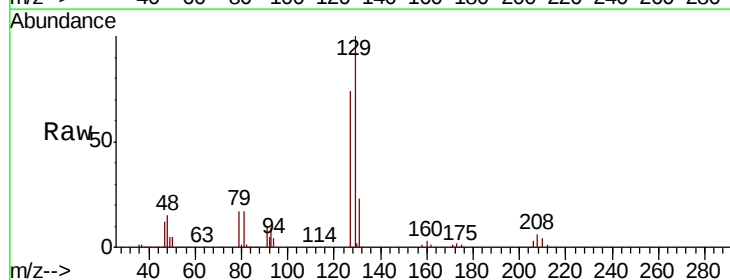
Instrument :
MSVOA_U
ClientSampleId :
VICV34

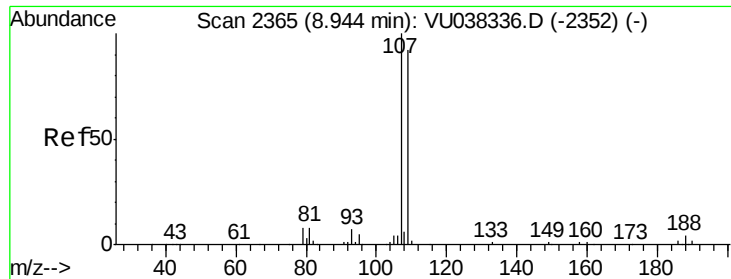
Tot Ion:	43	Resp:	639314
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.5	68.3
57	20.0	16.3	24.5
100	13.4	10.5	15.7



#49
Dibromochloromethane
Concen: 53.734 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion:	129	Resp:	229068
Ion	Ratio	Lower	Upper
129	100		
127	74.5	55.2	102.6





#50

1,2-Dibromoethane

Concen: 52.619 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

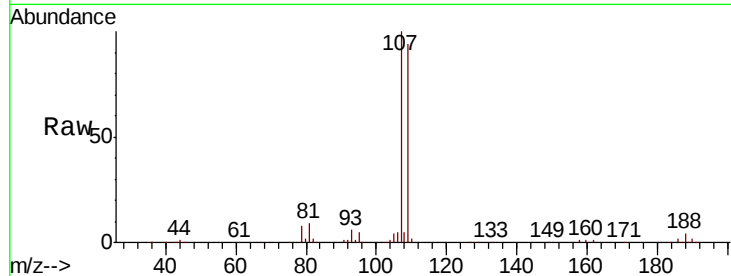
Tot Ion:107 Resp: 238130

Ion Ratio Lower Upper

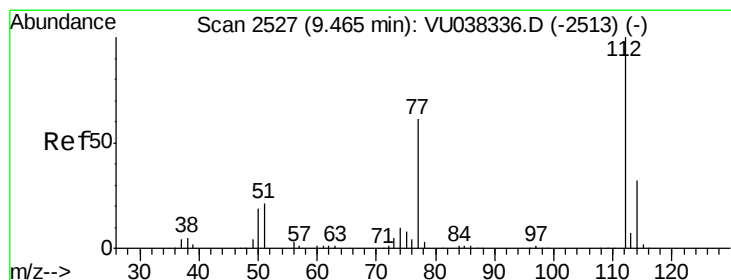
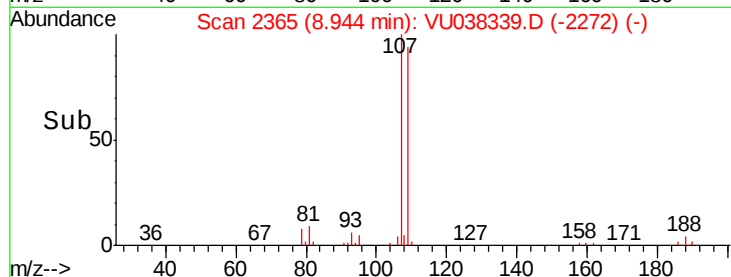
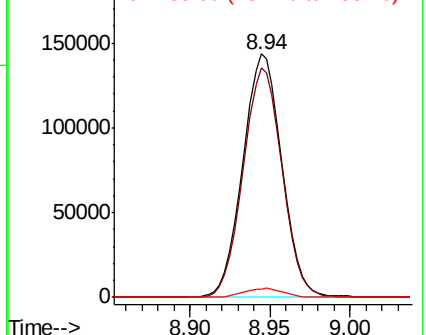
107 100

109 94.0 64.3 119.5

188 3.6 2.8 4.2



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



#51

Chlorobenzene

Concen: 51.867 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

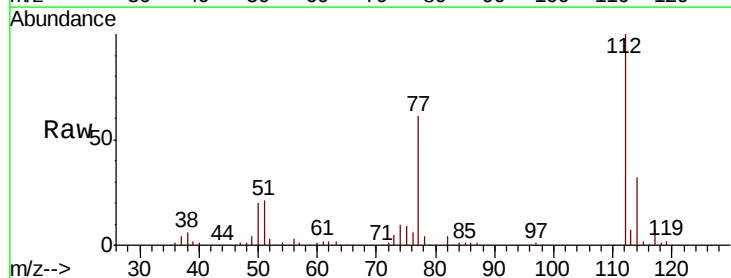
Tgt Ion:112 Resp: 598691

Ion Ratio Lower Upper

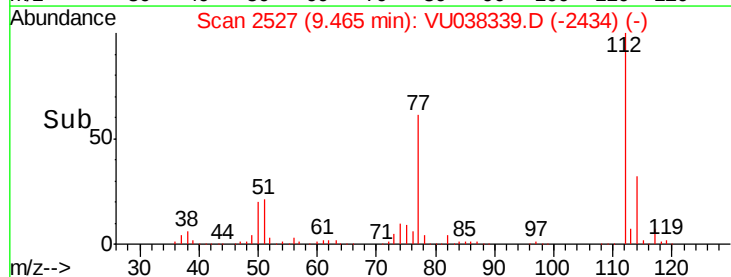
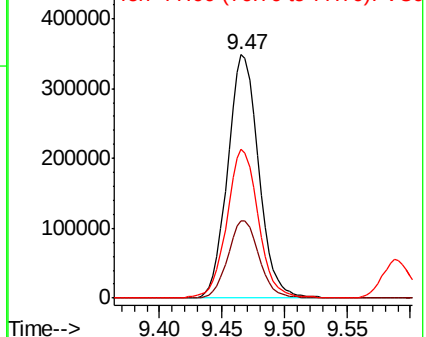
112 100

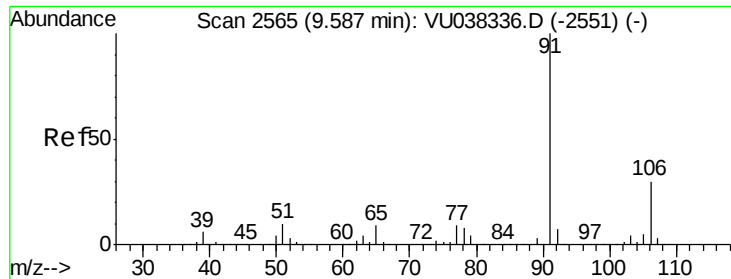
114 32.0 22.6 42.0

77 60.9 48.8 73.2



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

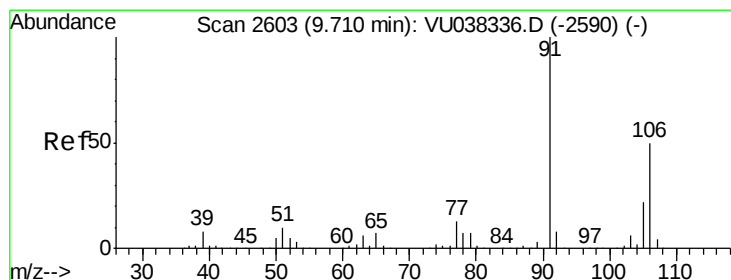
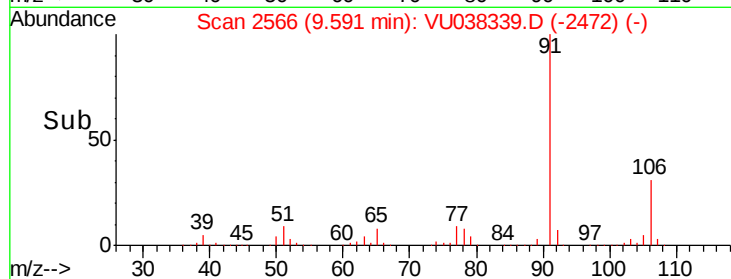
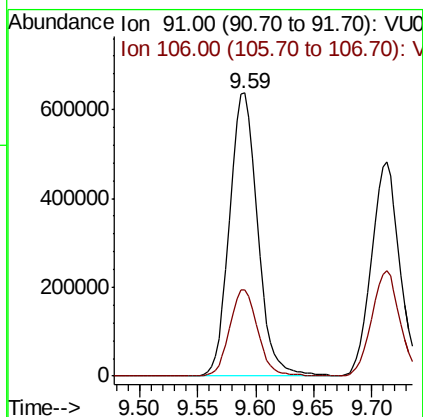
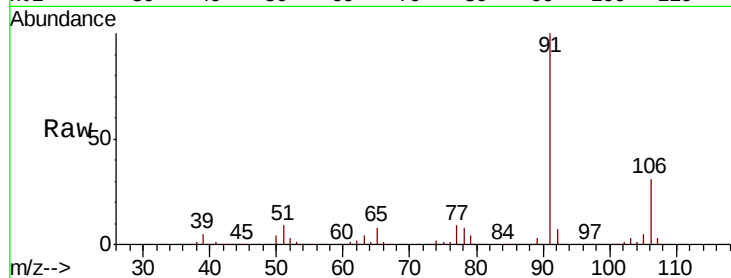




#52
Ethylbenzene
Concen: 53.002 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

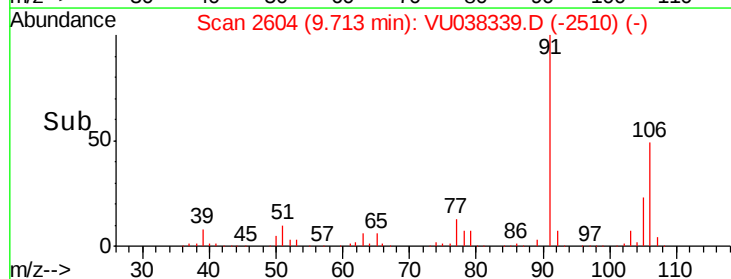
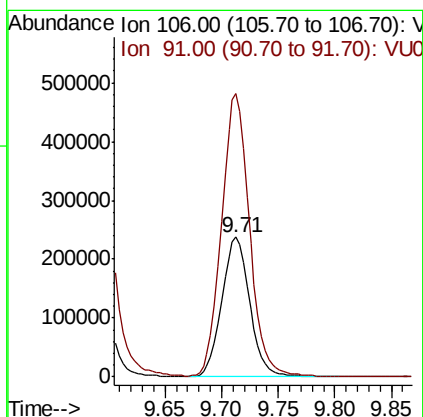
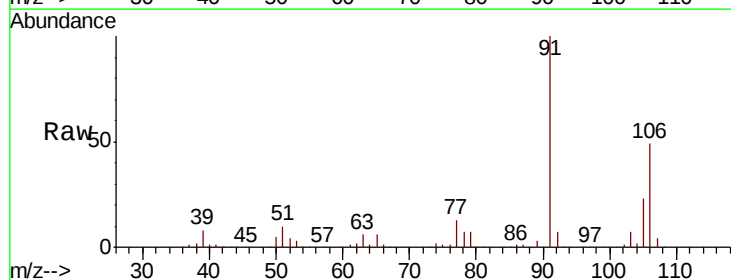
Instrument :
MSVOA_U
ClientSampleId :
VICV34

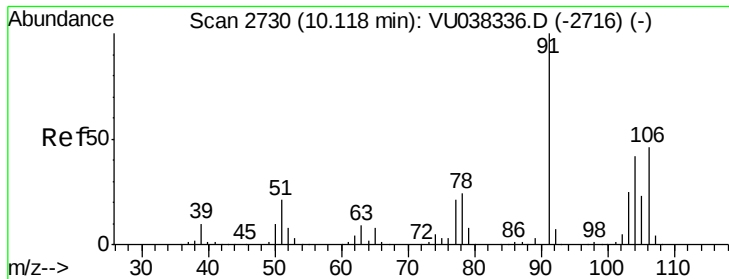
Tot Ion: 91 Resp: 1066615
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 53.278 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038339.D
Acq: 28 May 2020 11:38

Tgt Ion:106 Resp: 410020
Ion Ratio Lower Upper
106 100
91 203.1 140.8 261.4





#54

o-xylene

Concen: 53.534 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

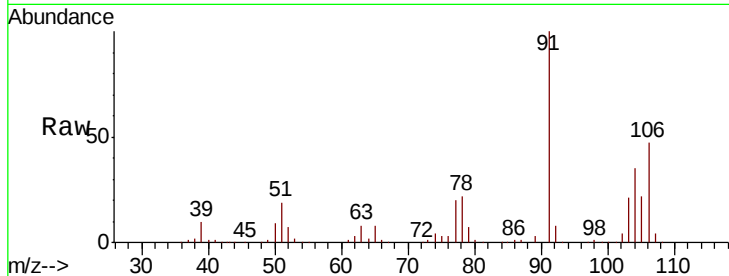
VICV34

Tot Ion:106 Resp: 400548

Ion Ratio Lower Upper

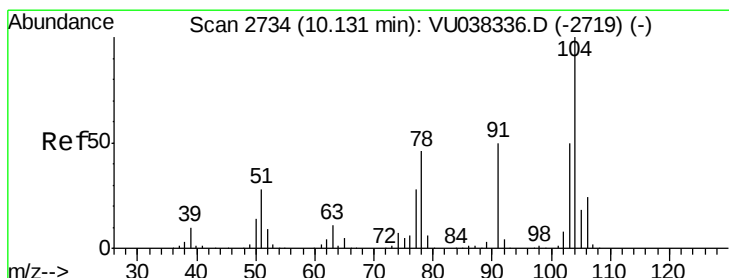
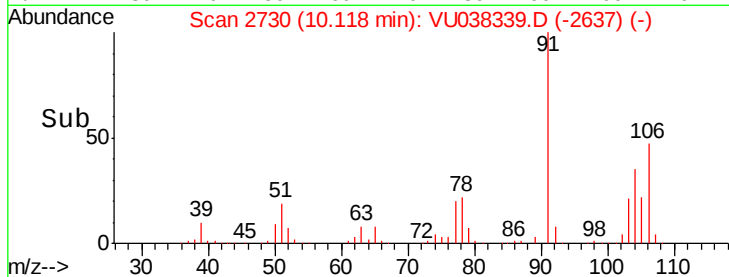
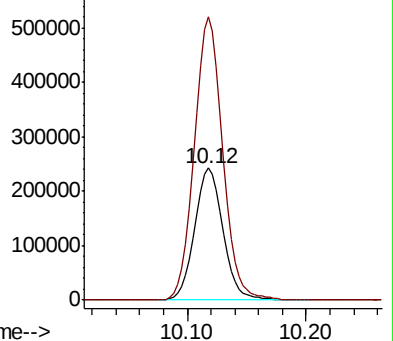
106 100

91 214.4 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.129 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038339.D

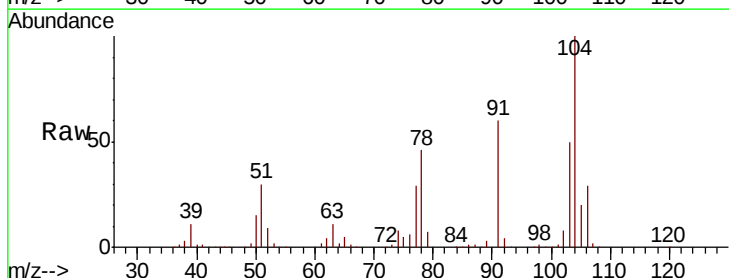
Acq: 28 May 2020 11:38

Tgt Ion:104 Resp: 696085

Ion Ratio Lower Upper

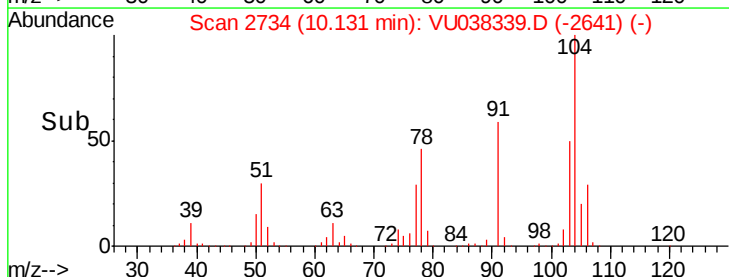
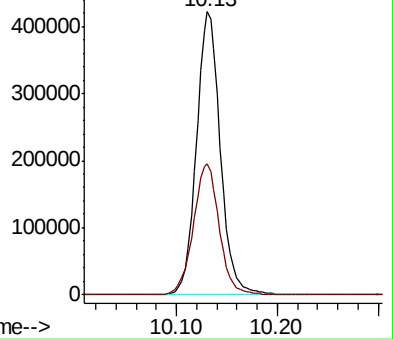
104 100

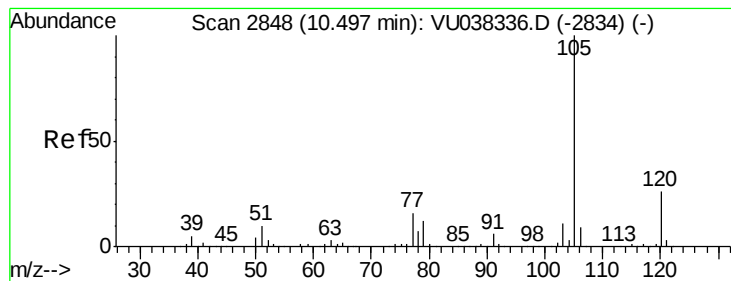
78 46.4 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.382 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampled :

VICV34

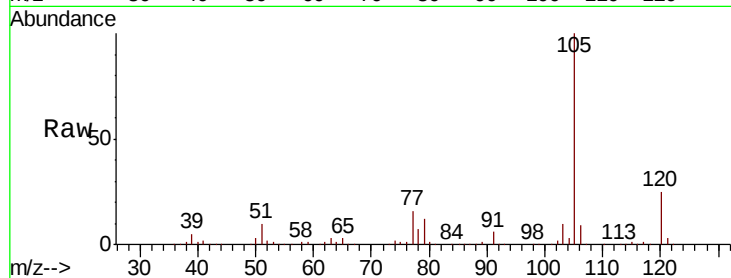
Tot Ion:105 Resp: 1043773

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

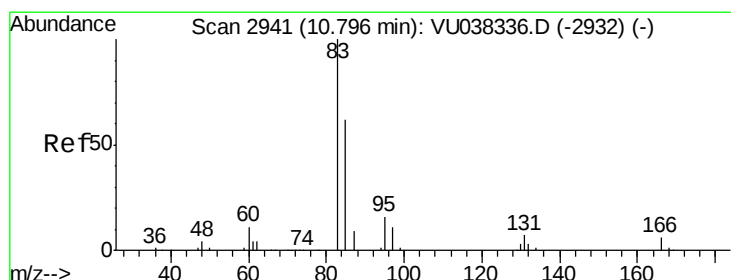
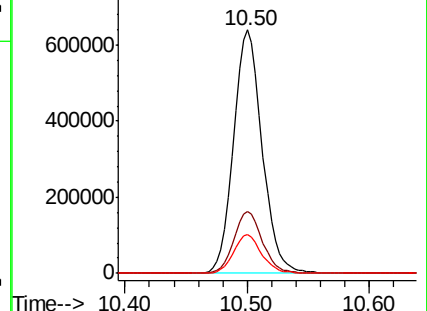
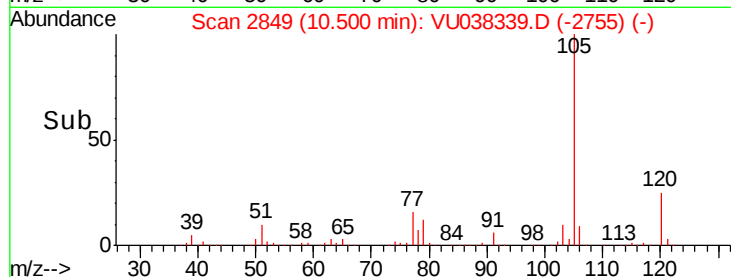
77 15.8 12.8 19.2



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: 52.703 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

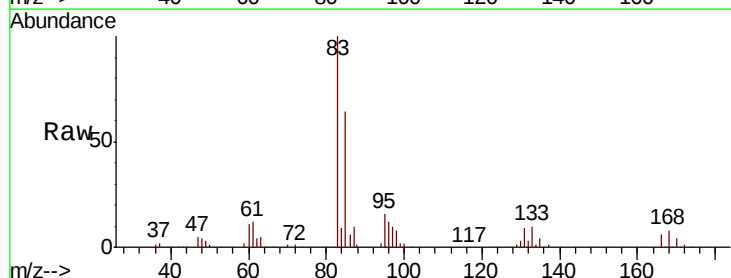
Tgt Ion: 83 Resp: 379726

Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

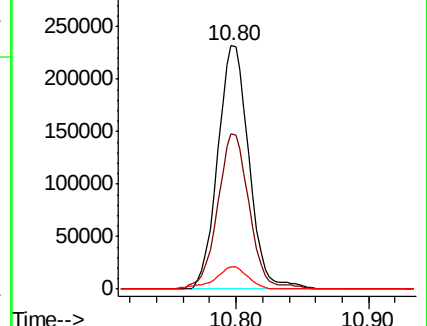
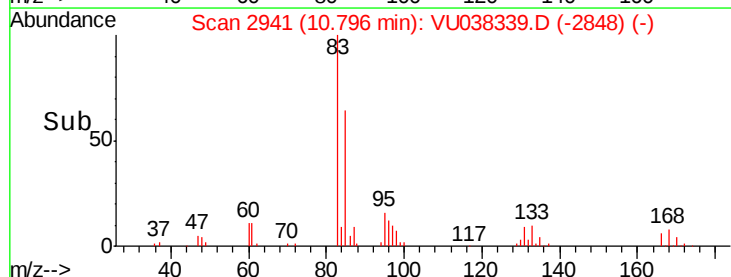
131 9.1 7.3 10.9

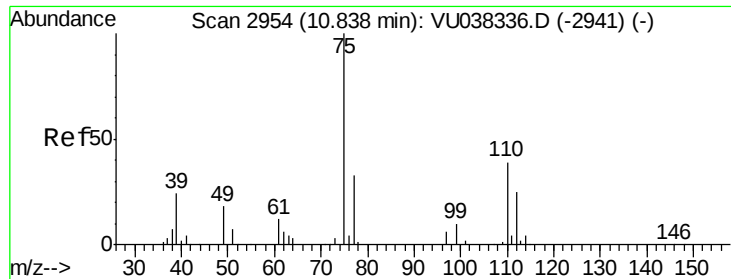


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.019 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

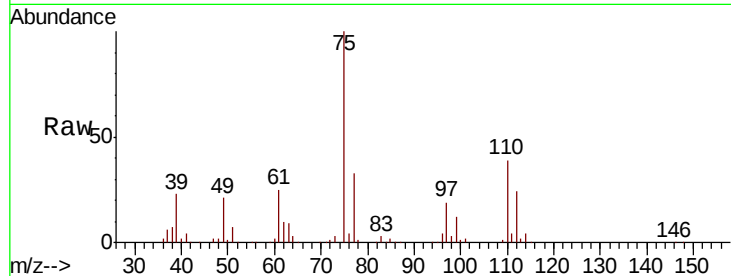
VICV34

Tot Ion: 75 Resp: 322740

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038336.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038336.D (-2941) (-)

10.84

200000

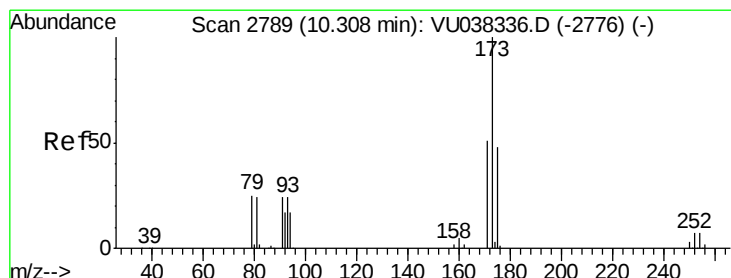
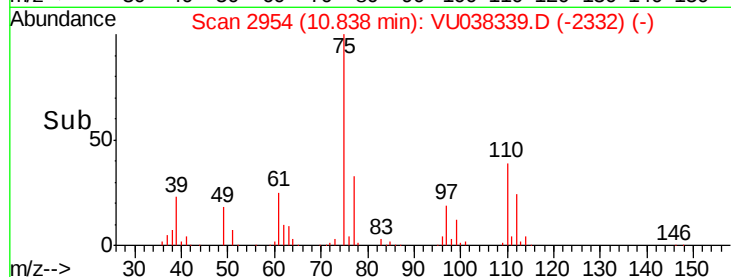
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 53.589 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

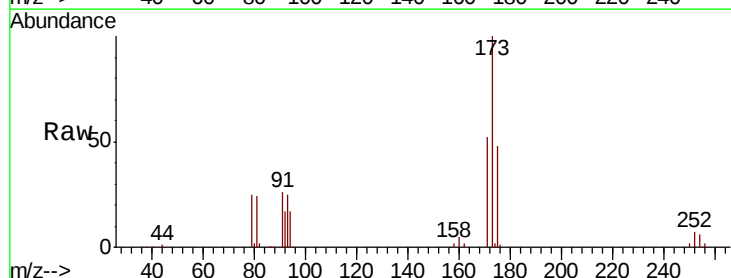
Tgt Ion: 173 Resp: 163968

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 6.7 5.3 7.9



Abundance Ion 173.00 (172.70 to 173.70): VU038336.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU038336.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU038336.D (-2776) (-)

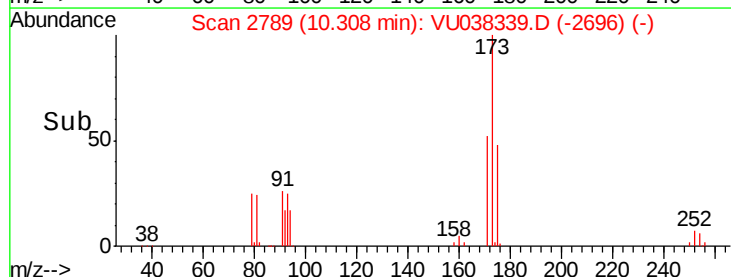
10.31

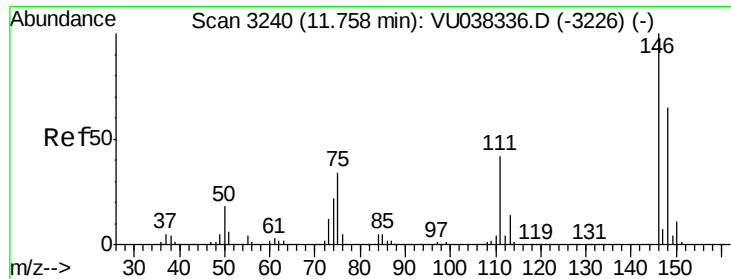
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 52.702 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

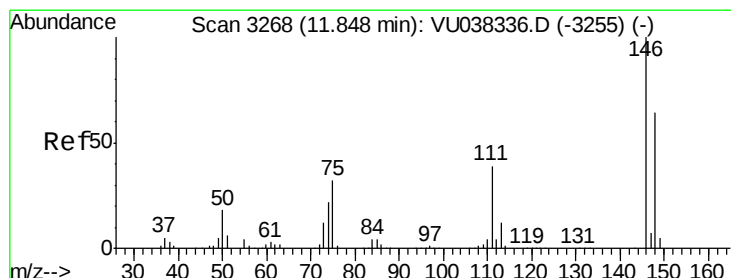
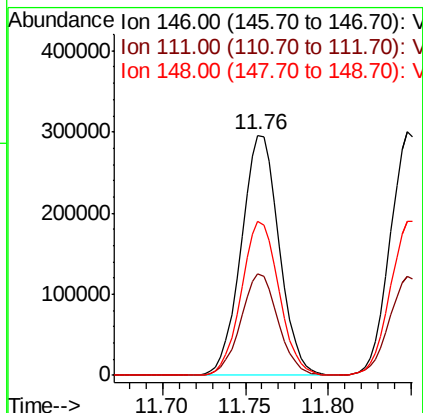
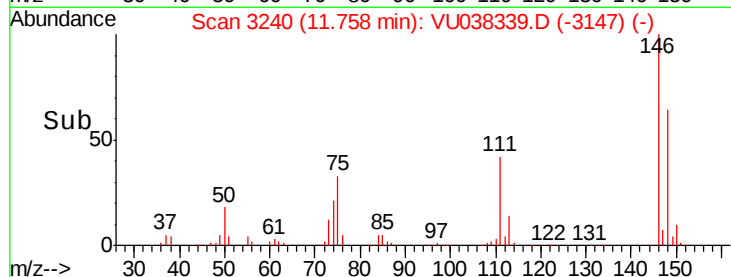
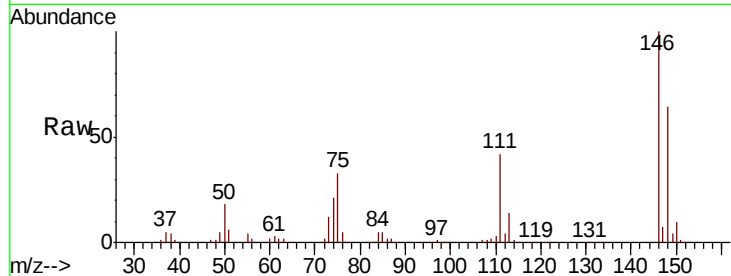
Tot Ion:146 Resp: 469238

Ion Ratio Lower Upper

146 100

111 42.2 29.4 54.6

148 63.9 45.8 85.0



#63

1,4-Dichlorobenzene

Concen: 52.734 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

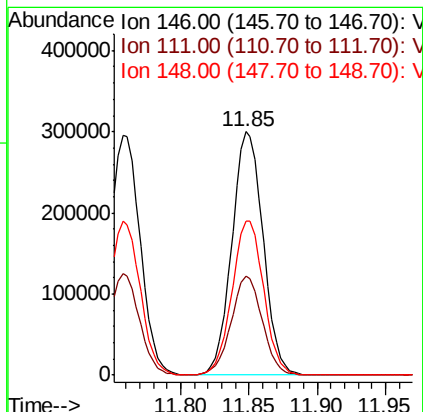
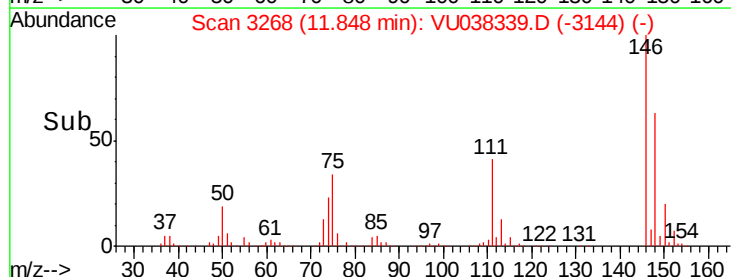
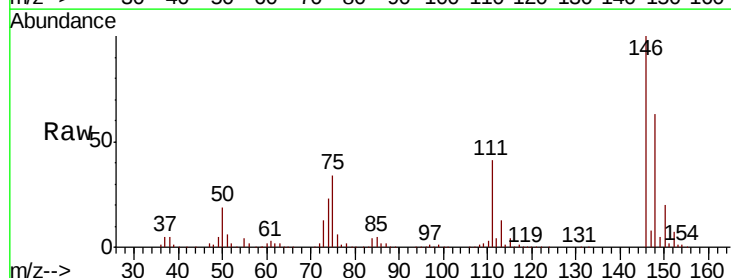
Tgt Ion:146 Resp: 477242

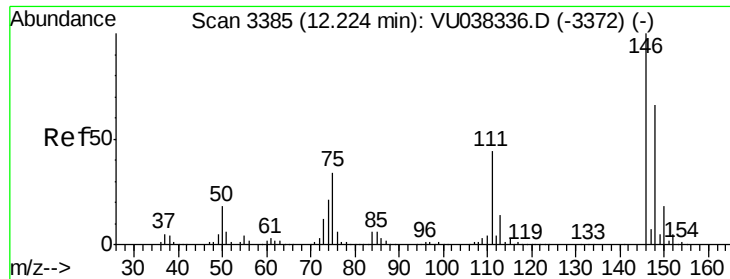
Ion Ratio Lower Upper

146 100

111 40.9 27.7 51.5

148 63.2 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 52.629 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

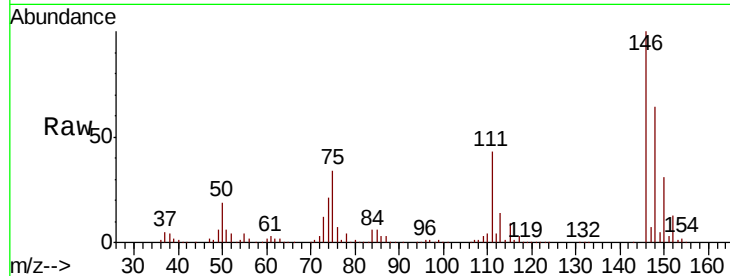
Tot Ion:146 Resp: 464674

Ion Ratio Lower Upper

146 100

111 43.4 35.3 52.9

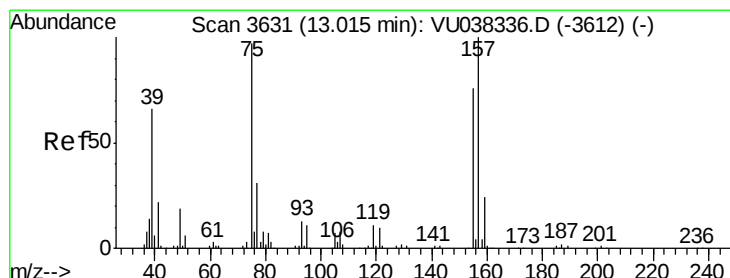
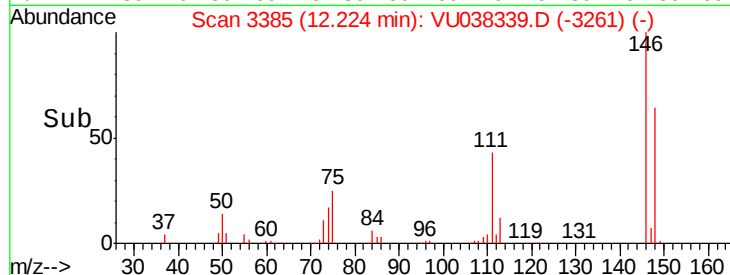
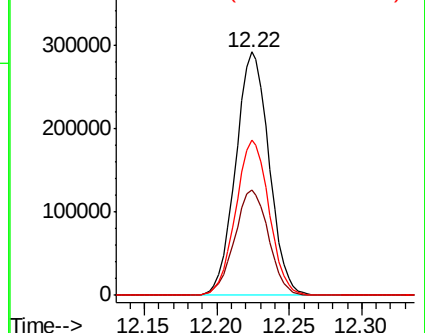
148 63.7 52.5 78.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 53.606 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

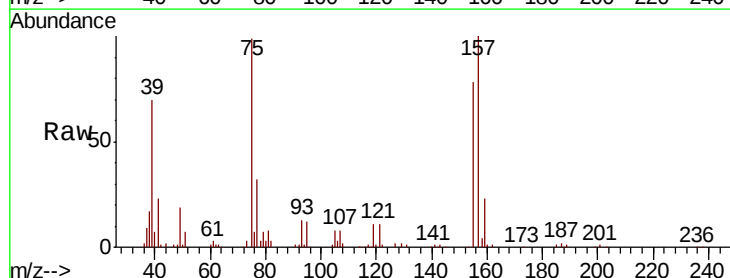
Tgt Ion: 75 Resp: 96896

Ion Ratio Lower Upper

75 100

155 78.3 63.1 94.7

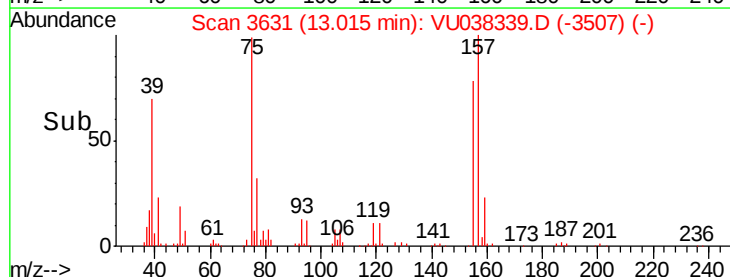
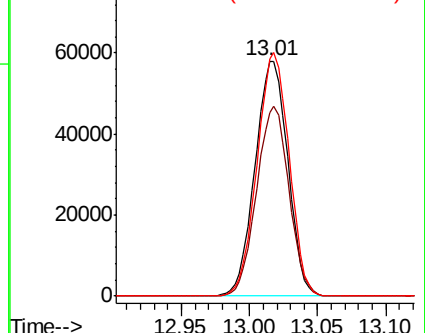
157 100.8 82.7 124.1

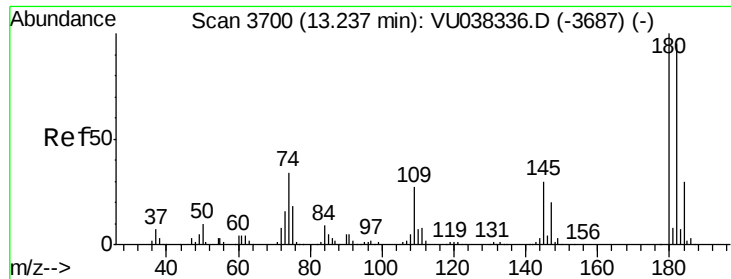


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

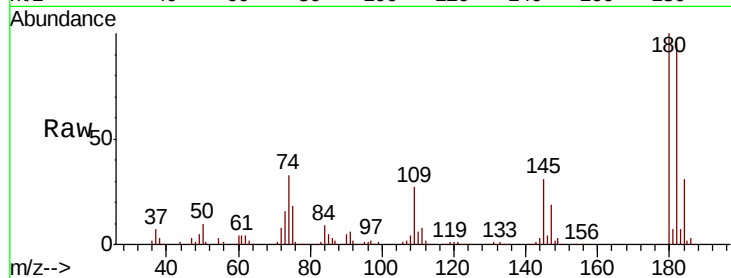




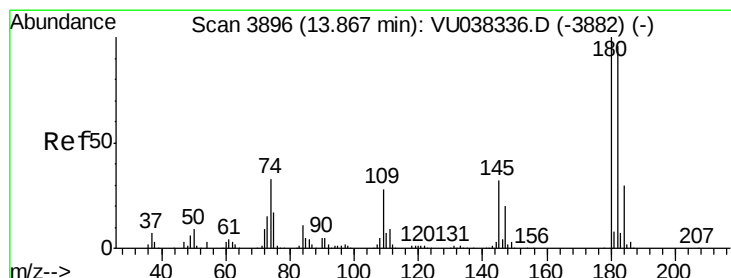
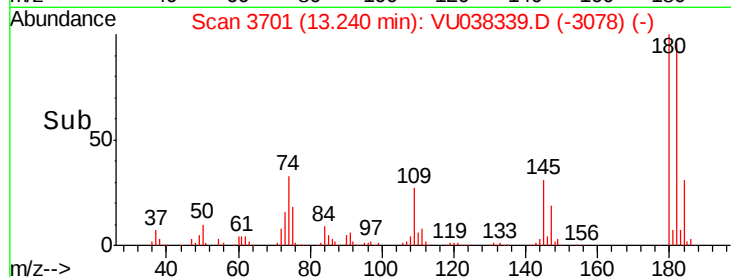
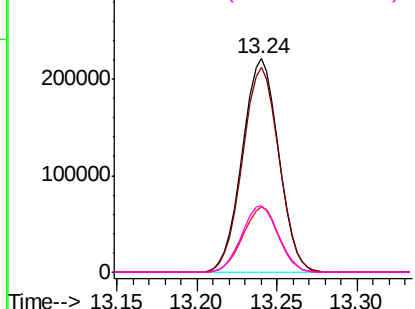
#67
 1,3,5-Trichlorobenzene
 Concen: 53.884 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038339.D
 Acq: 28 May 2020 11:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV34

Tot Ion:	180	Resp:	341438
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.2
184	30.3	24.3	36.5
145	31.1	24.5	36.7

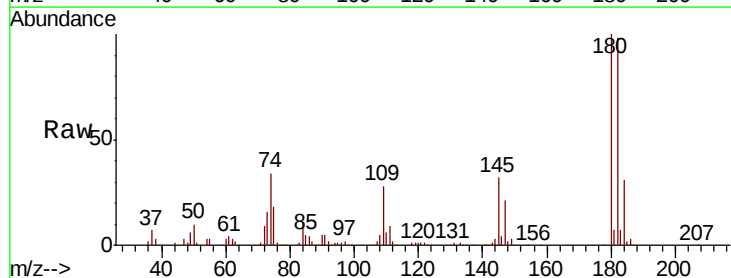


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

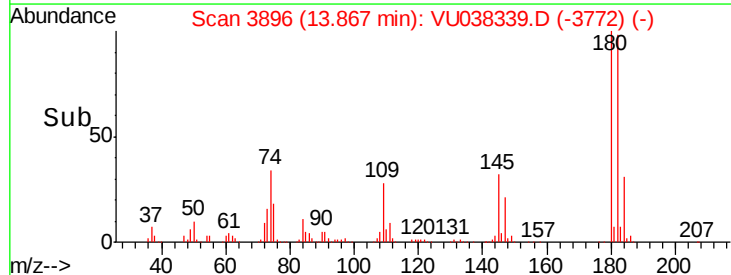
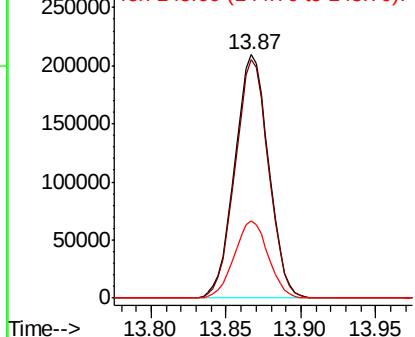


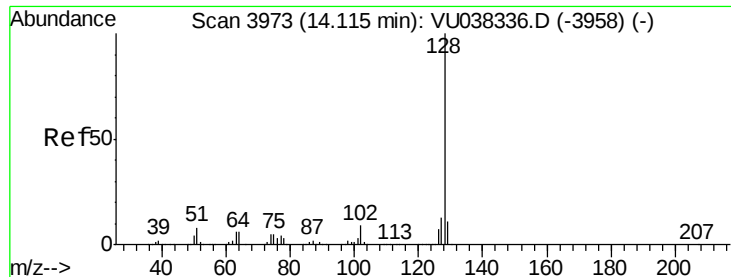
#68
 1,2,4-trichlorobenzene
 Concen: 54.203 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038339.D
 Acq: 28 May 2020 11:38

Tgt Ion:	180	Resp:	329414
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.1	115.7
145	31.9	25.8	38.8



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





#69

Naphthalene

Concen: 57.433 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

Instrument :

MSVOA_U

ClientSampleId :

VICV34

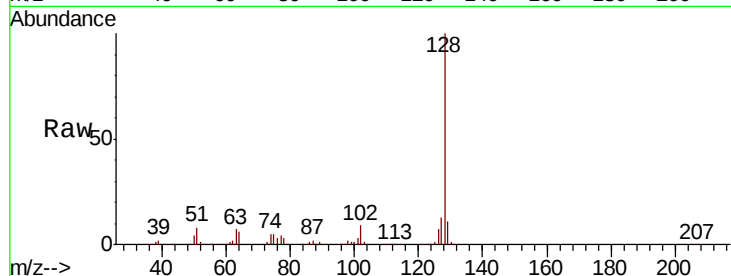
Tot Ion:128 Resp: 1249737

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

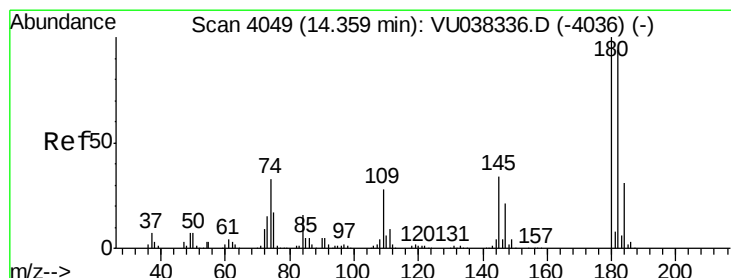
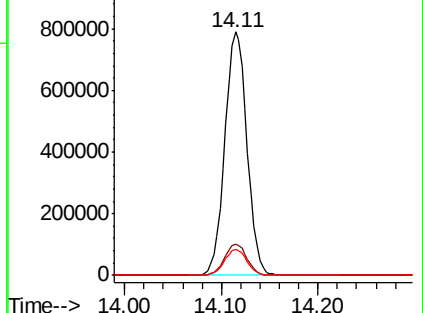
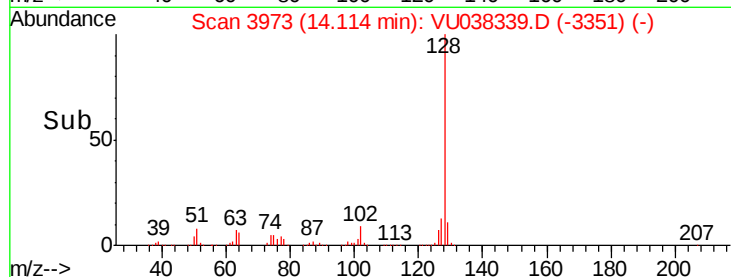
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.948 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038339.D

Acq: 28 May 2020 11:38

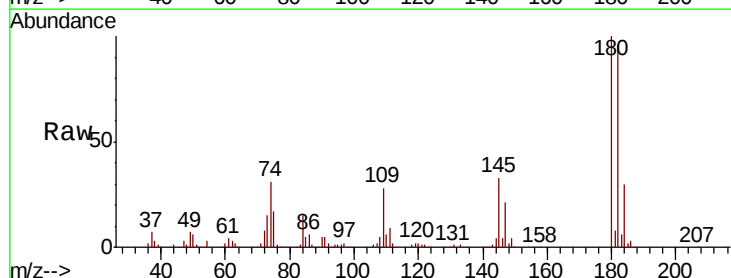
Tgt Ion:180 Resp: 333599

Ion Ratio Lower Upper

180 100

182 96.5 75.5 113.3

145 33.7 26.6 40.0



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

