

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038378.D
 Acq On : 29 May 2020 15:11
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 29 23:58:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 10:57:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	315070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	306936	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	163601	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	125650	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.93	69	97859	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.59	63	249215	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.40%
20) 2-Butanone-d5	4.68	46	392465	55.20	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.40%
24) Chloroform-d	5.10	84	233301	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.74	65	131877	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.76	84	470904	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.72	67	144140	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.92	98	419780	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.20	79	62466	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
46) 2-Hexanone-d5	8.66	63	320481	57.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120332	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	158306	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	152381	5.288 ug/L	98
3) Chloromethane	1.53	50	132406	3.813 ug/L	96
5) Vinyl chloride	1.62	62	146678	4.311 ug/L	98
6) Bromomethane	1.87	94	82379	4.252 ug/L	96
8) Chloroethane	1.95	64	89063	4.255 ug/L	99
9) Trichlorofluoromethane	2.16	101	201269	5.785 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	119986	5.563 ug/L	97
12) 1,1-Dichloroethene	2.60	96	117861	5.390 ug/L	99
13) Acetone	2.69	43	255505	57.274 ug/L	99
14) Carbon disulfide	2.82	76	384475	4.929 ug/L	100
15) Methyl Acetate	2.99	43	64873	5.198 ug/L	100
16) Methylene chloride	3.08	84	129237	5.071 ug/L	97
17) Methyl tert-butyl Ether	3.40	73	320795	5.280 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	127247	5.330 ug/L	95
19) 1,1-Dichloroethane	3.91	63	237053	5.084 ug/L	99
21) 2-Butanone	4.76	43	433213	55.017 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	137640	5.351 ug/L	99

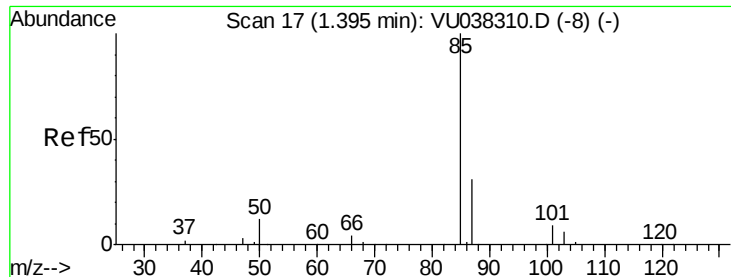
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038378.D
 Acq On : 29 May 2020 15:11
 Operator : JC/MD
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 10:57:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	60648	5.479	ug/L	87
25) Chloroform	5.13	83	240291	5.526	ug/L	96
27) 1,2-Dichloroethane	5.83	62	161733	5.269	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	208372	5.925	ug/L	98
30) Cyclohexane	5.42	56	214896	5.176	ug/L	99
31) Carbon tetrachloride	5.56	117	173576	6.141	ug/L	99
33) Benzene	5.81	78	536151	5.455	ug/L	100
34) Trichloroethene	6.57	95	140097	5.699	ug/L	98
35) Methylcyclohexane	6.79	83	212324	5.332	ug/L	97
37) 1,2-Dichloropropane	6.82	63	135536	5.077	ug/L	99
38) Bromodichloromethane	7.13	83	170064	5.510	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	204380	5.349	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	970117	52.429	ug/L	98
42) Toluene	7.99	91	566618	5.461	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	177425	5.461	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	101391	5.469	ug/L	97
47) Tetrachloroethene	8.57	164	99339	5.777	ug/L	98
48) 2-Hexanone	8.71	43	725418	53.532	ug/L	97
49) Dibromochloromethane	8.83	129	113816	5.915	ug/L	95
50) 1,2-Dibromoethane	8.95	107	97706	5.678	ug/L	100
51) Chlorobenzene	9.47	112	354988	5.513	ug/L	98
52) Ethylbenzene	9.59	91	632551	5.628	ug/L	99
53) m,p-Xylene	9.71	106	243822	5.657	ug/L	100
54) o-Xylene	10.12	106	233746	5.610	ug/L	95
55) Styrene	10.13	104	400992	5.733	ug/L	100
56) Isopropylbenzene	10.50	105	619212	5.785	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	127906	5.434	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	100201	5.592	ug/L	100
61) Bromoform	10.31	173	62044	5.611	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	284008	5.335	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	287668	5.333	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	270653	5.285	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	21893	5.231	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	209516	5.424	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	190504	5.438	ug/L	98
69) Naphthalene	14.12	128	392959	5.328	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	177997	5.466	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.288 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

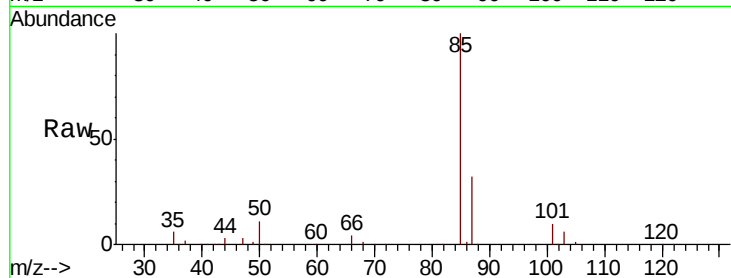
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 152381

Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038378.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038378.D (-1) (-)

1.40

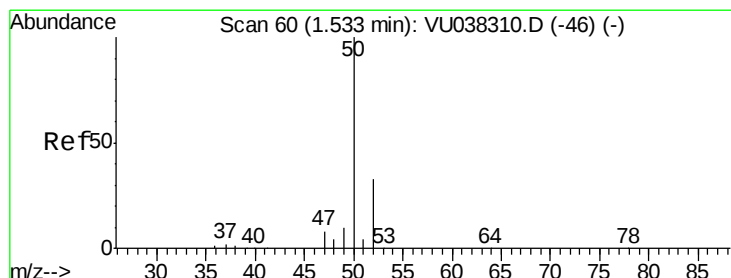
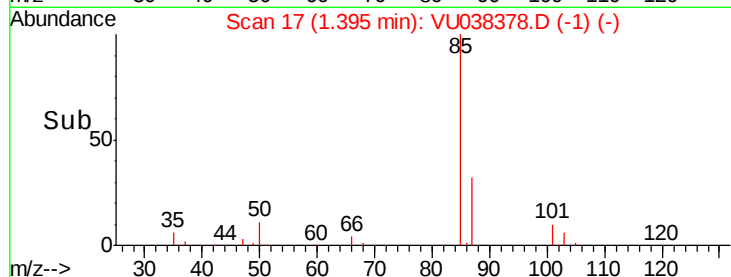
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.813 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038378.D

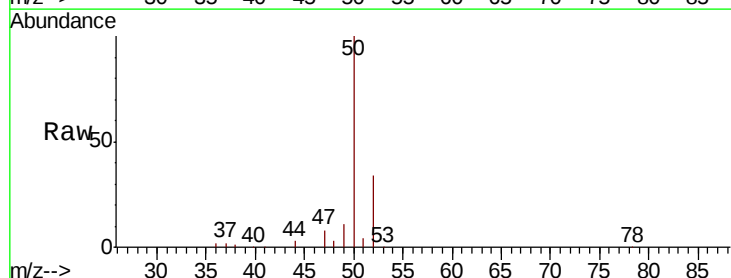
Acq: 29 May 2020 15:11

Tgt Ion: 50 Resp: 132406

Ion Ratio Lower Upper

50 100

52 34.2 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038378.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038378.D (-1) (-)

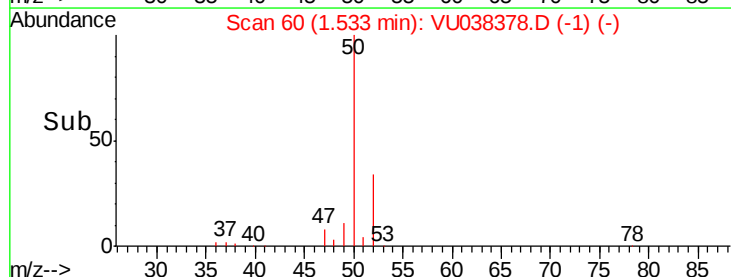
1.53

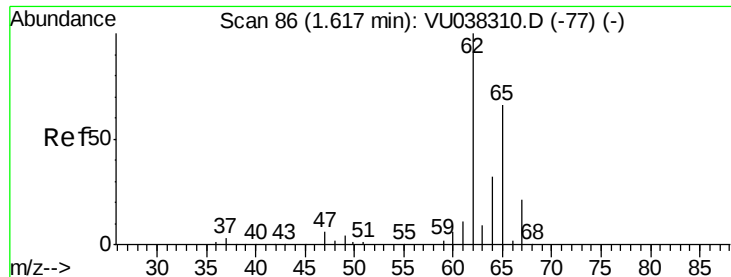
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.311 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

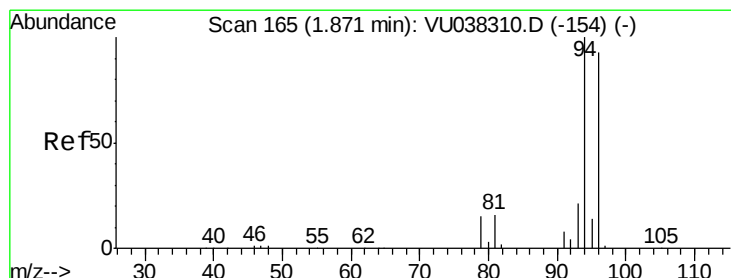
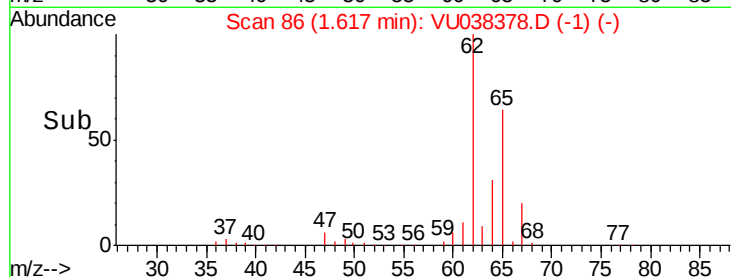
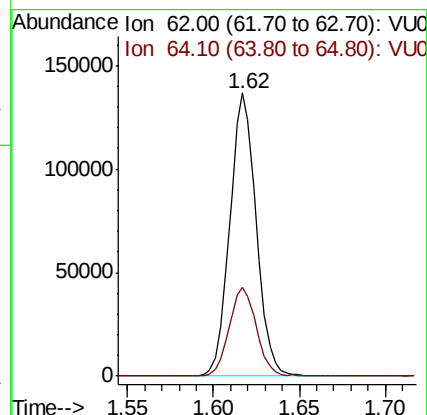
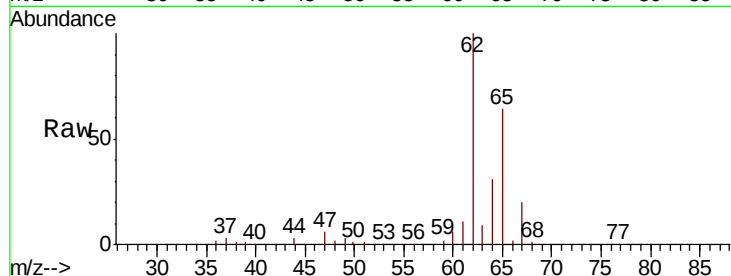
ClientSampled :

Tot Ion: 62 Resp: 146678

Ion Ratio Lower Upper

62 100

64 31.4 22.8 42.4



#6

Bromomethane

Concen: 4.252 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038378.D

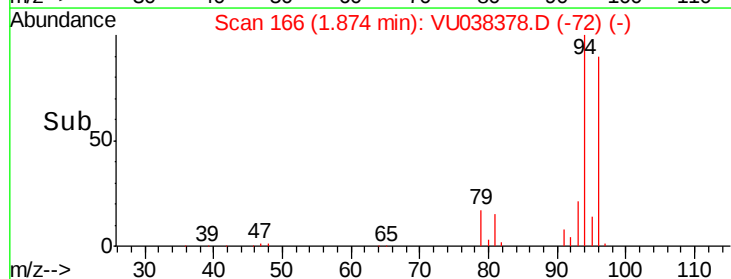
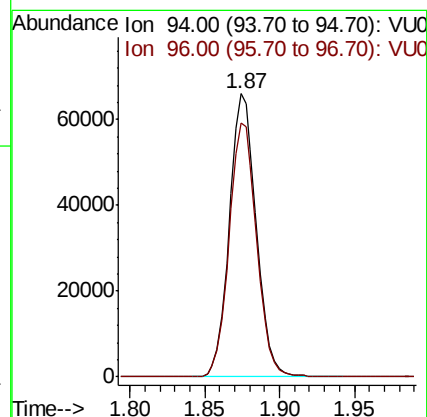
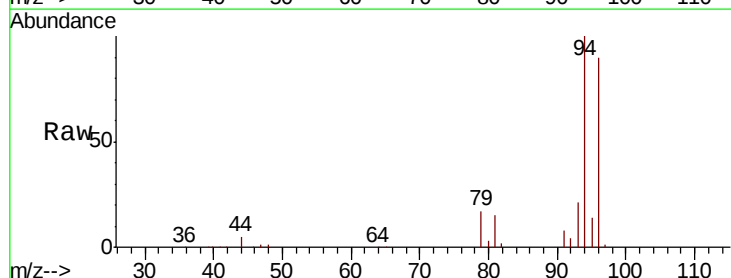
Acq: 29 May 2020 15:11

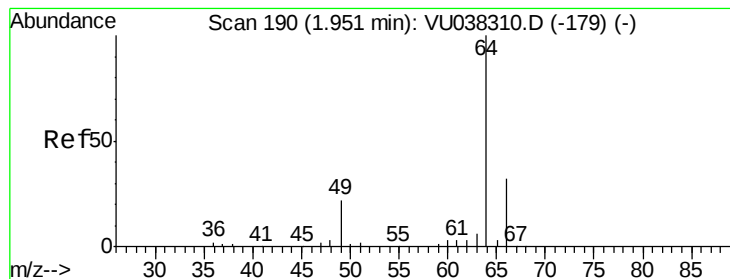
Tgt Ion: 94 Resp: 82379

Ion Ratio Lower Upper

94 100

96 89.5 65.0 120.8





#8

Chloroethane

Concen: 4.255 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

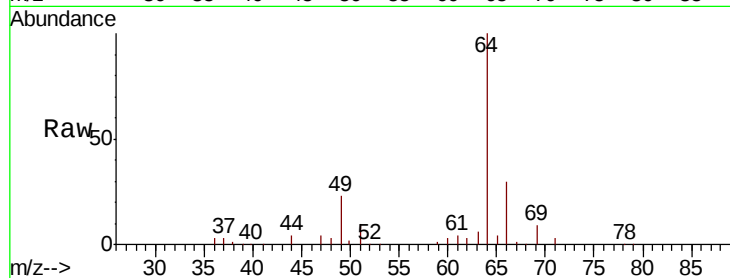
ClientSampleId :

Tot Ion: 64 Resp: 89063

Ion Ratio Lower Upper

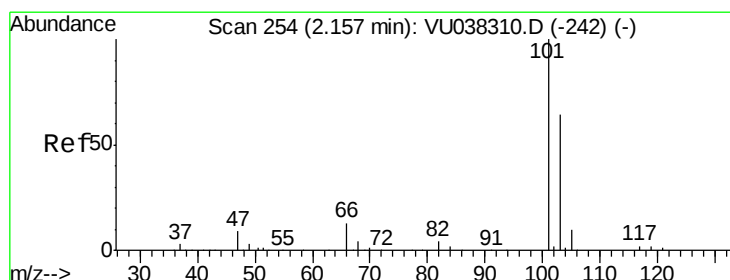
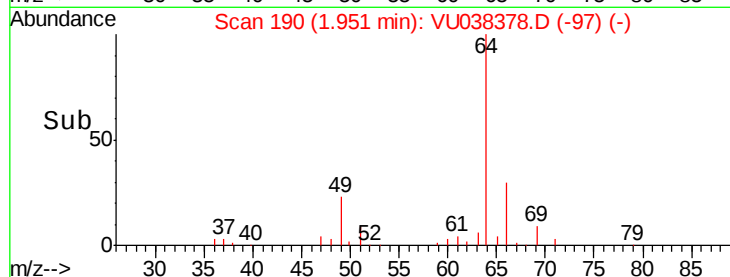
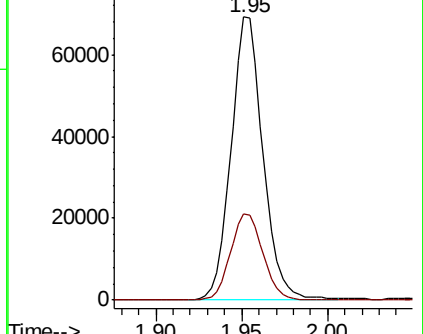
64 100

66 30.4 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038378.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU038378.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 5.785 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038378.D

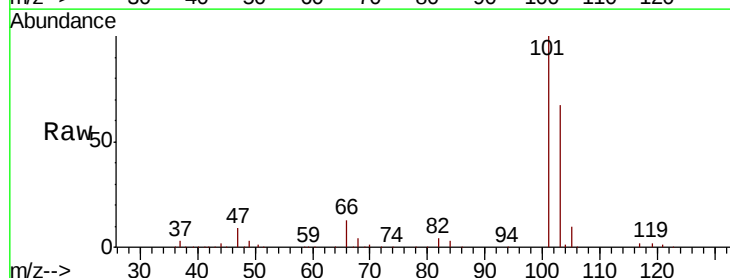
Acq: 29 May 2020 15:11

Tgt Ion: 101 Resp: 201269

Ion Ratio Lower Upper

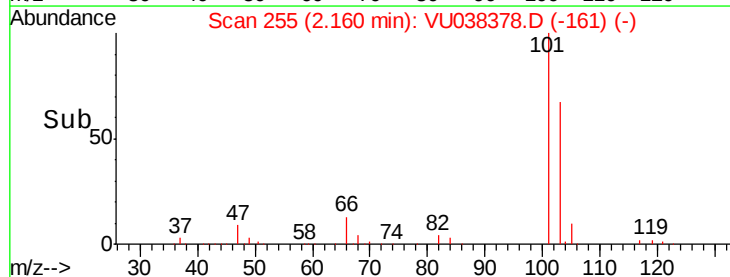
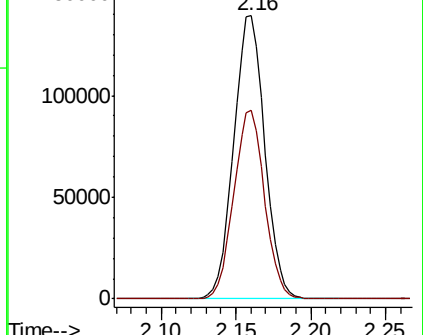
101 100

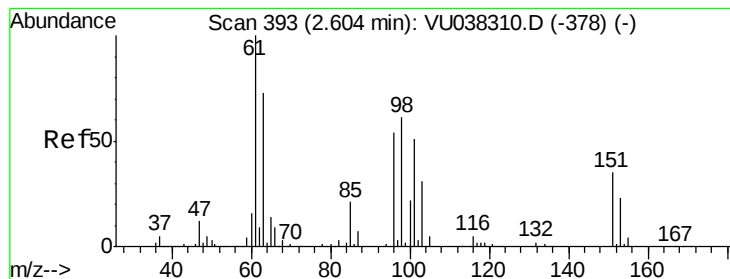
103 66.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038378.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU038378.D (-161) (-)





#10

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

Concen: 5.563 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampled :

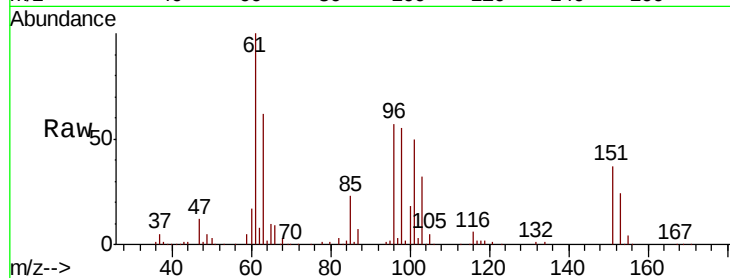
Tot Ion: 101 Resp: 119986

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

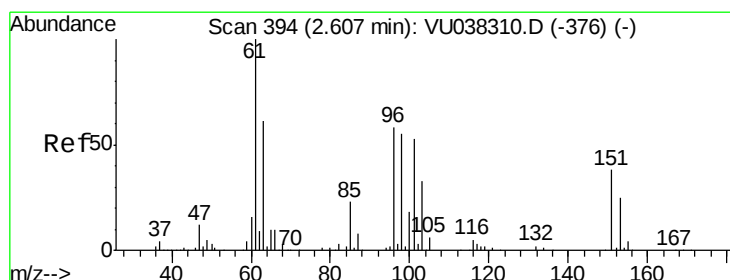
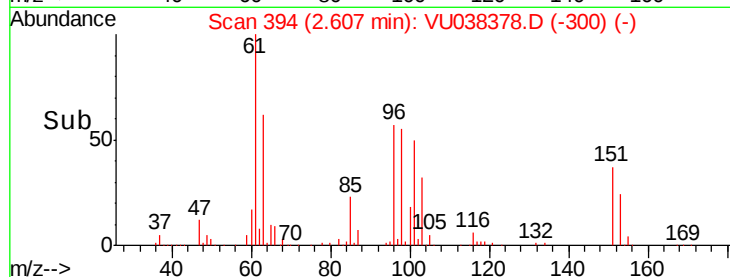
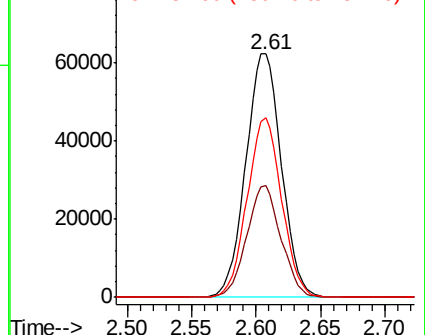
151 71.3 54.2 81.2



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: 5.390 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

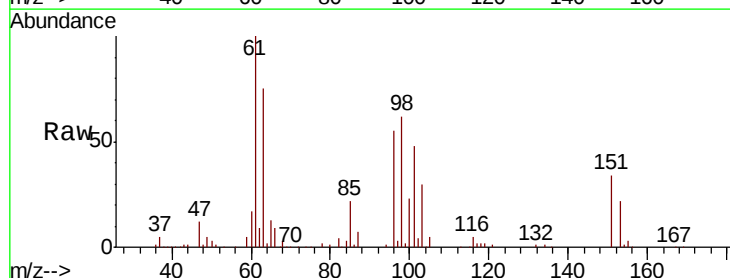
Tgt Ion: 96 Resp: 117861

Ion Ratio Lower Upper

96 100

61 180.7 126.2 234.4

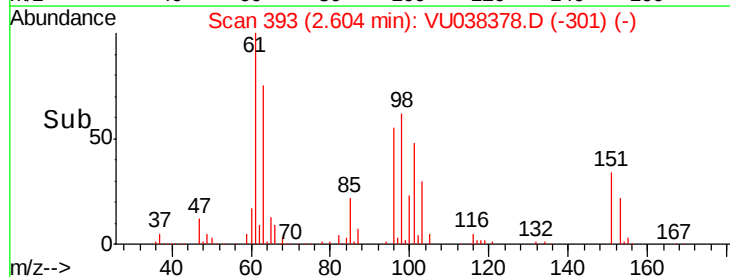
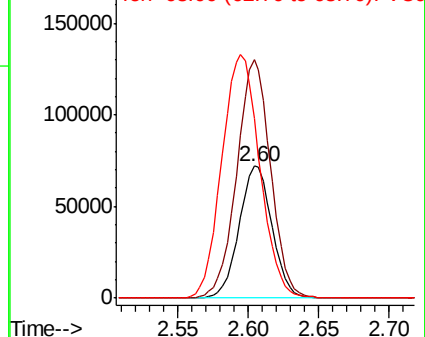
63 135.9 96.9 179.9

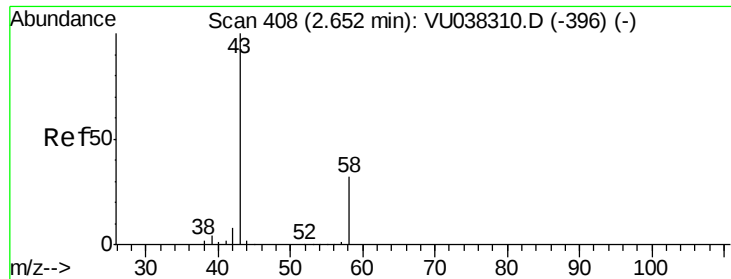


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.274 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.04 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

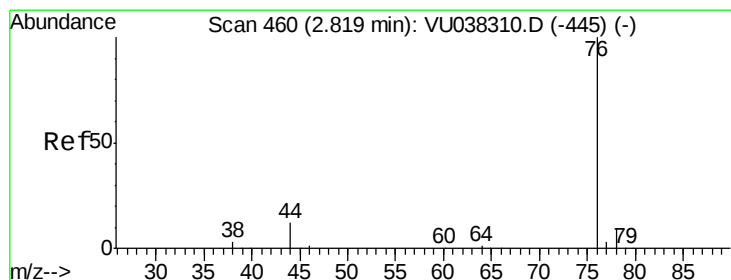
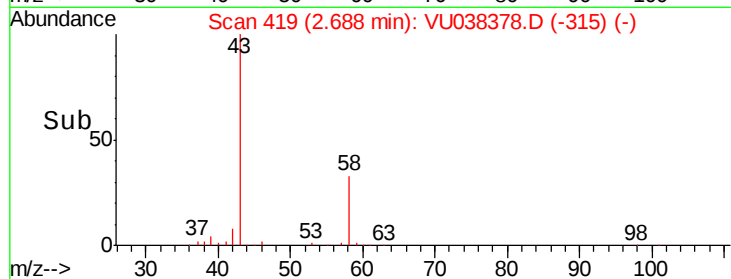
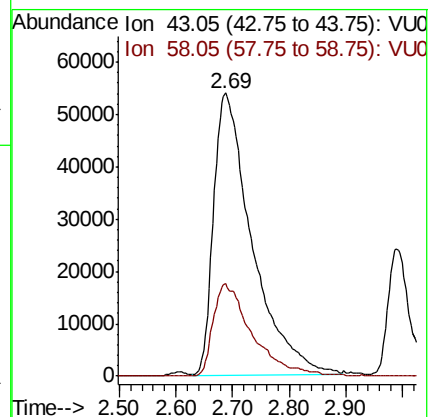
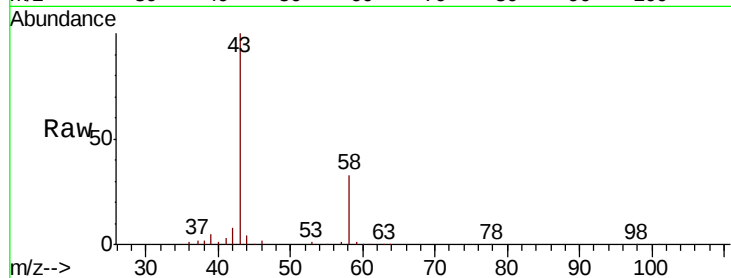
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 255505

Ion Ratio Lower Upper

43 100

58 31.5 0.0 63.6



#14

Carbon disulfide

Concen: 4.929 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038378.D

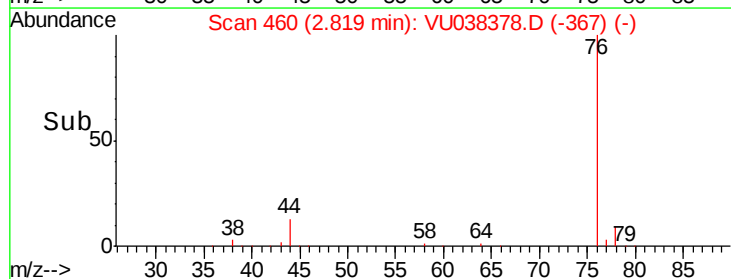
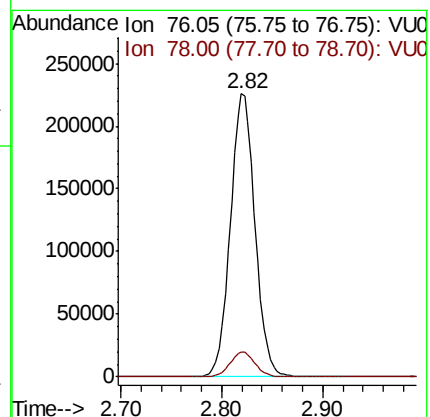
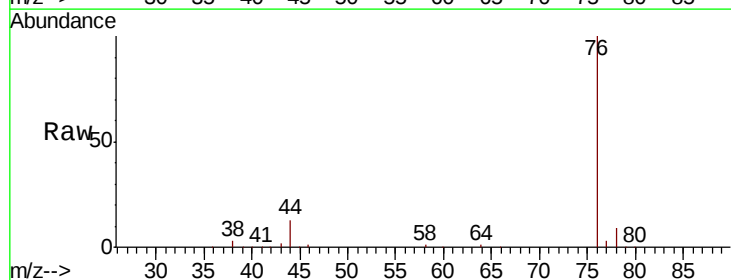
Acq: 29 May 2020 15:11

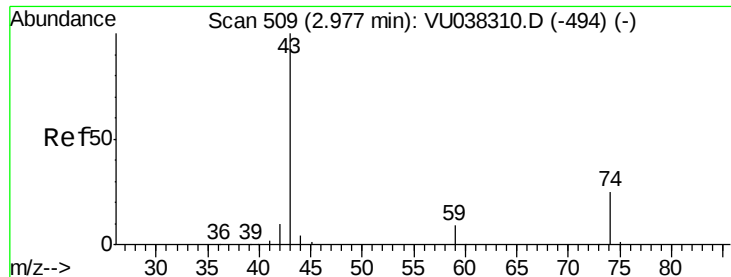
Tgt Ion: 76 Resp: 384475

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

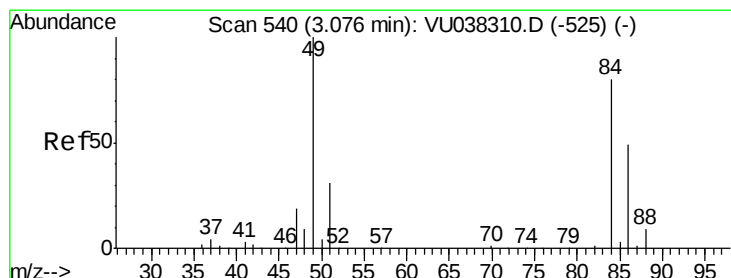
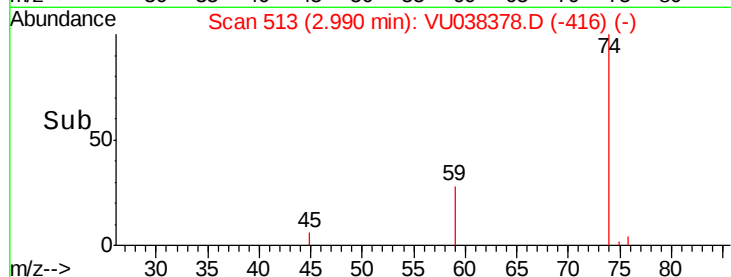
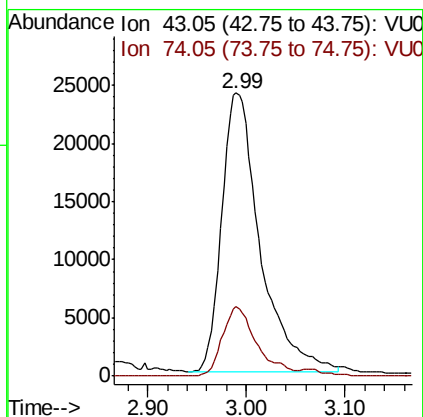
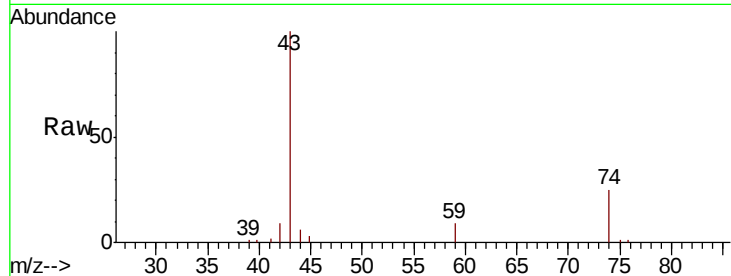




#15
Methvl Acetate
Concen: 5.198 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.01 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

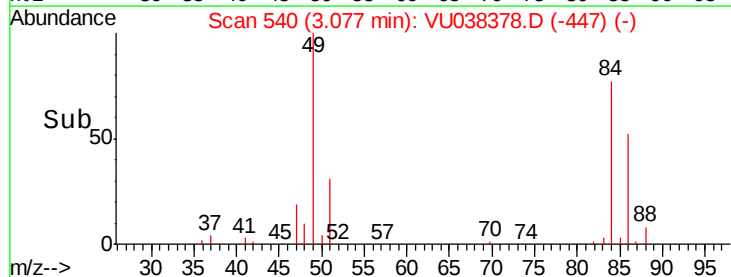
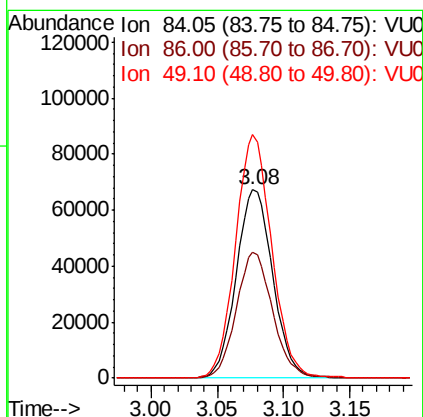
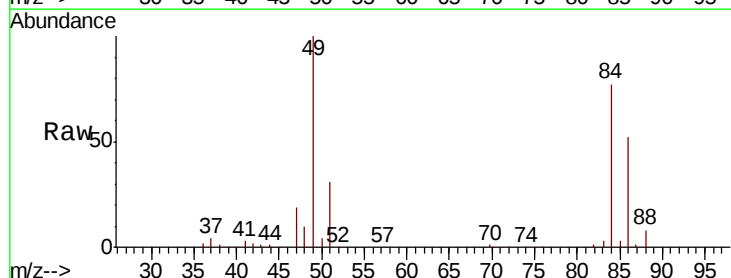
Instrument :
MSVOA_U
ClientSampled :

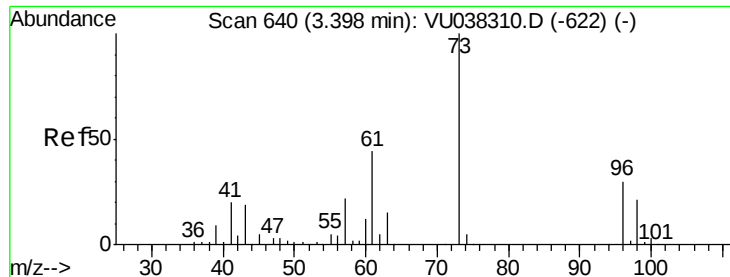
Tot Ion: 43 Resp: 64873
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0



#16
Methylene chloride
Concen: 5.071 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Tgt Ion: 84 Resp: 129237
Ion Ratio Lower Upper
84 100
86 67.1 44.9 83.3
49 129.3 92.0 170.9

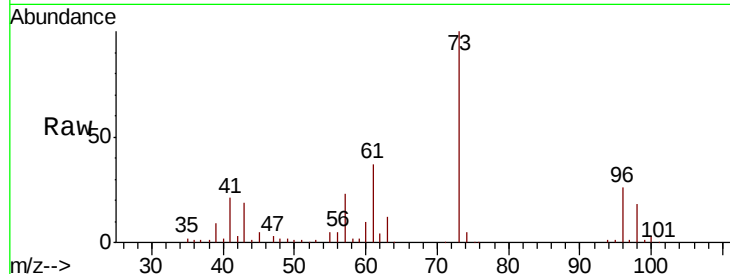




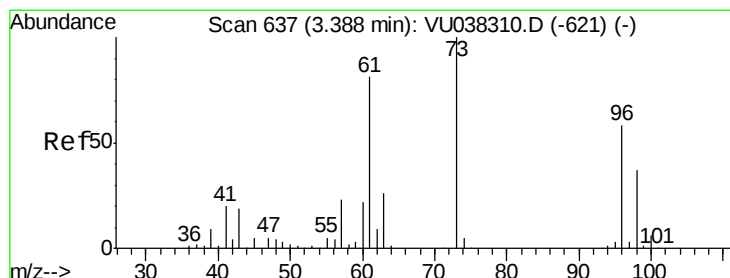
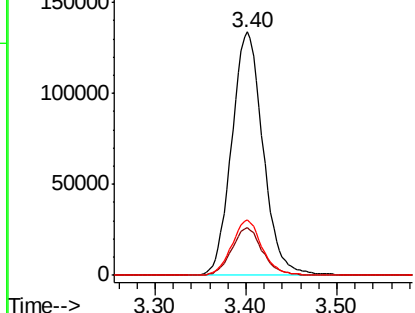
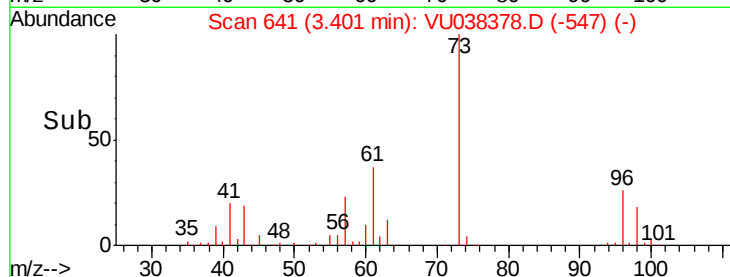
#17
Methvl tert-butvl Ether
Concen: 5.280 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 320795
Ion Ratio Lower Upper
73 100
43 18.9 16.9 25.3
57 22.0 18.2 27.2

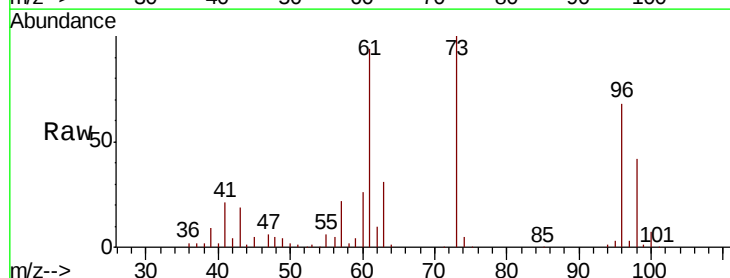


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

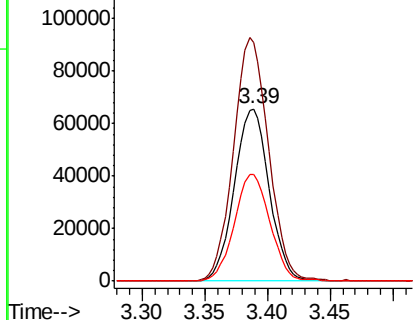
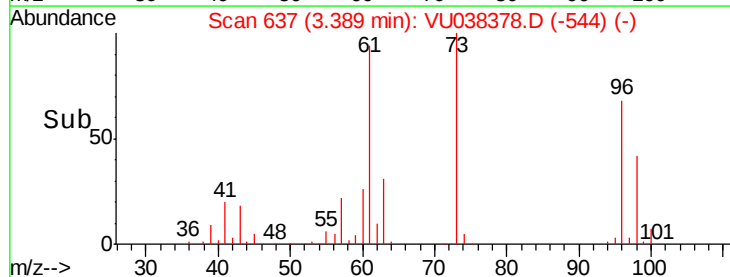


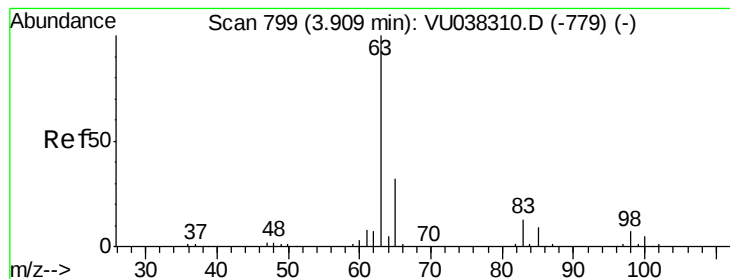
#18
trans-1,2-Dichloroethene
Concen: 5.330 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Tgt Ion: 96 Resp: 127247
Ion Ratio Lower Upper
96 100
61 138.4 102.1 189.5
98 61.8 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.084 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampled :

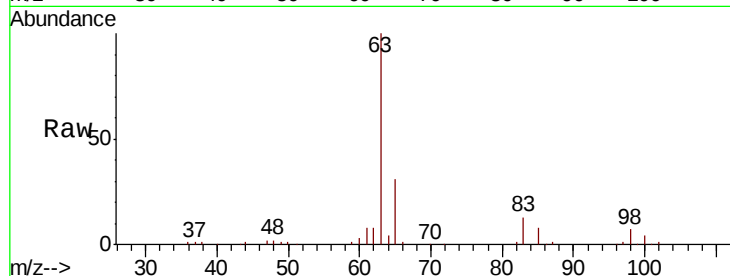
Tot Ion: 63 Resp: 237053

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.7

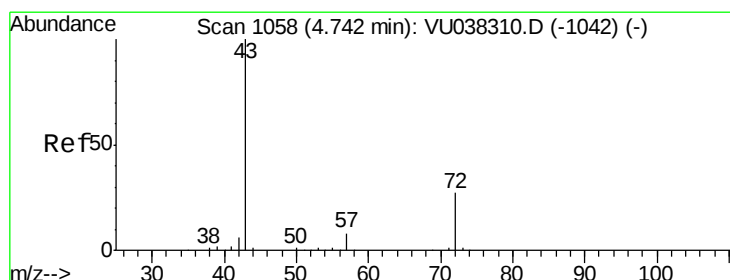
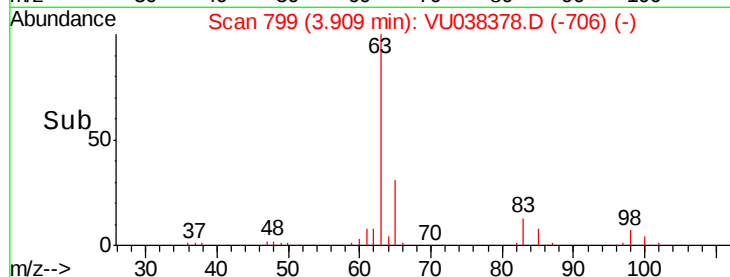
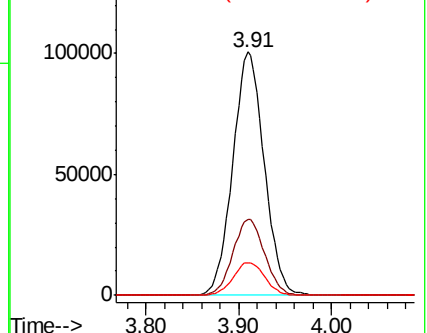
83 13.4 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038310.D (-779) (-)

Ion 65.10 (64.80 to 65.80): VU038310.D (-779) (-)

Ion 83.05 (82.75 to 83.75): VU038310.D (-779) (-)



#21

2-Butanone

Concen: 55.017 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.02 min

Lab File: VU038378.D

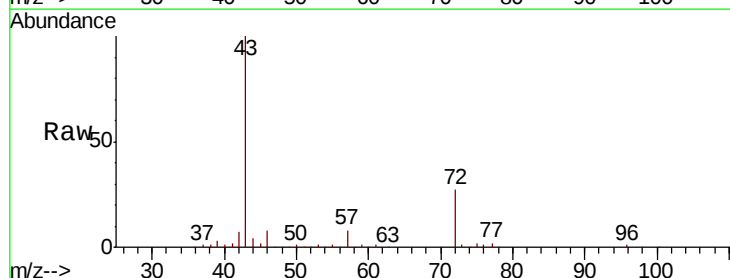
Acq: 29 May 2020 15:11

Tgt Ion: 43 Resp: 433213

Ion Ratio Lower Upper

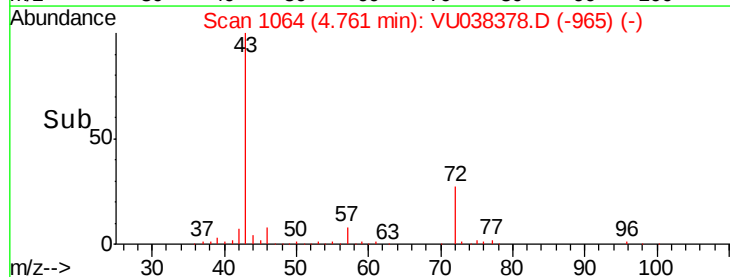
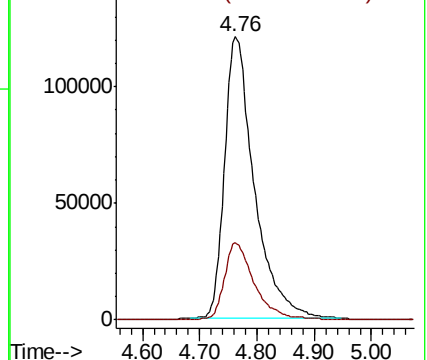
43 100

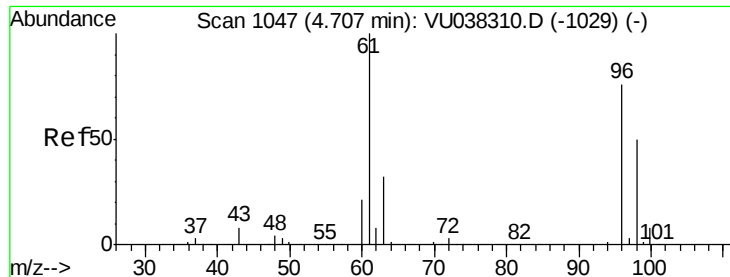
72 27.9 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038310.D (-1042) (-)

Ion 72.10 (71.80 to 72.80): VU038310.D (-1042) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.351 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :
MSVOA_U
ClientSampled :

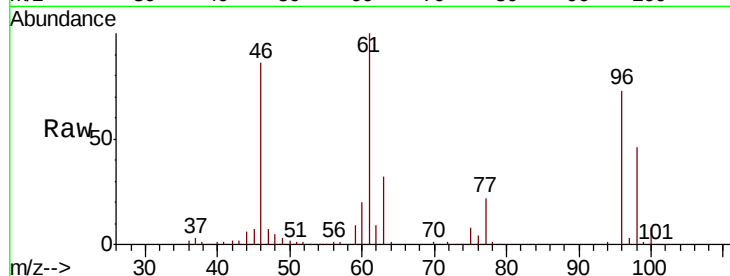
Tot Ion: 96 Resp: 137640

Ion Ratio Lower Upper

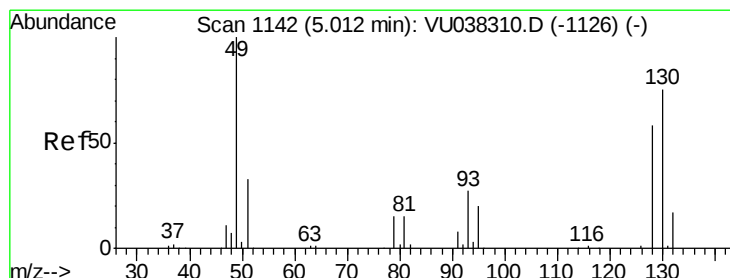
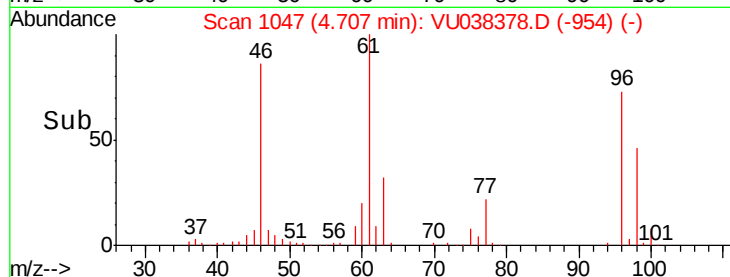
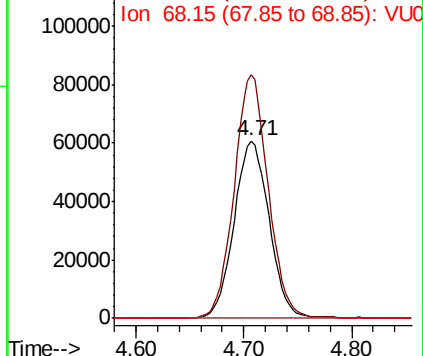
96 100

61 137.1 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.479 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Tgt Ion:128 Resp: 60648

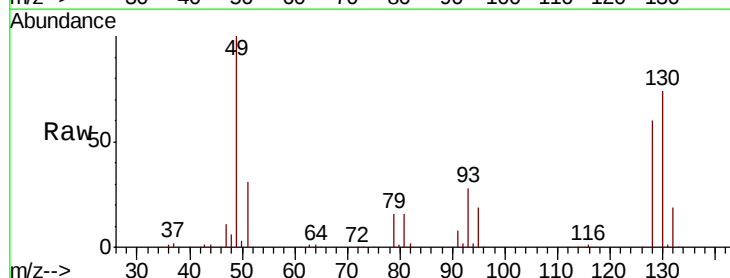
Ion Ratio Lower Upper

128 100

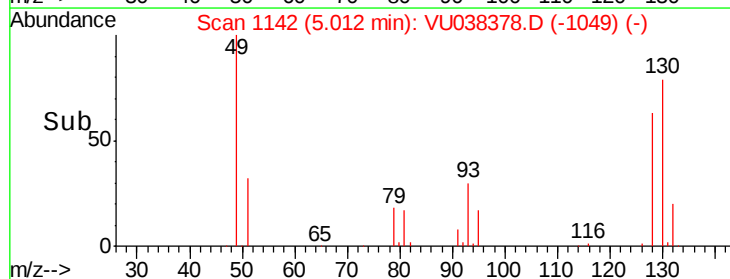
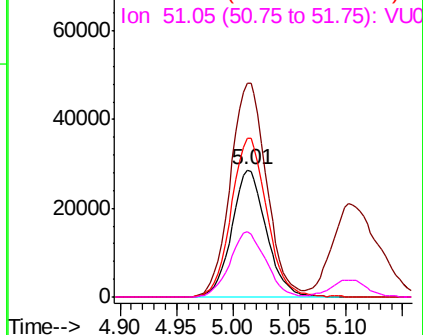
49 167.7 135.6 251.8

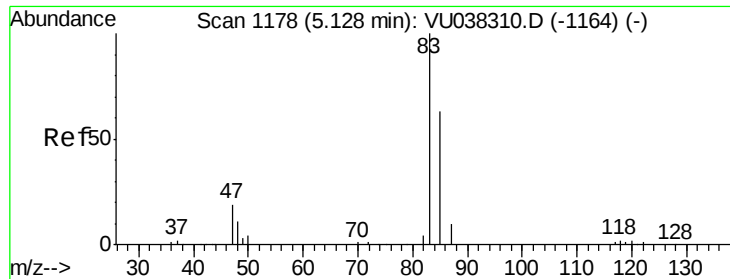
130 124.3 91.4 169.8

51 51.7 49.6 74.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

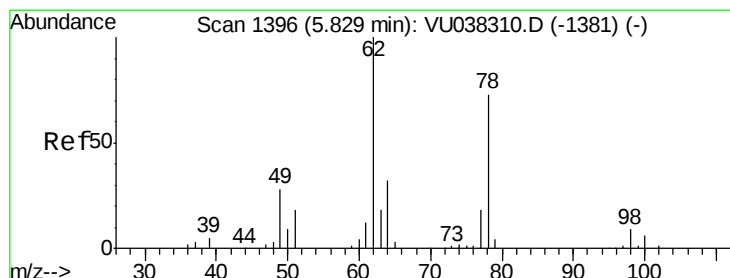
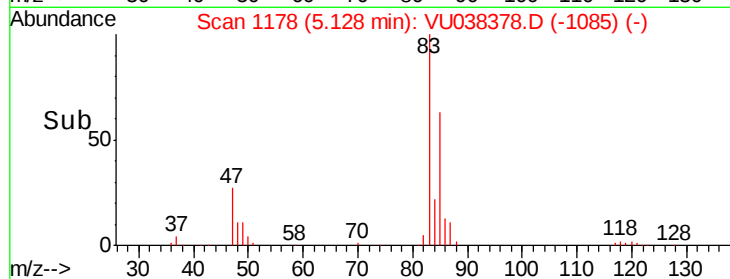
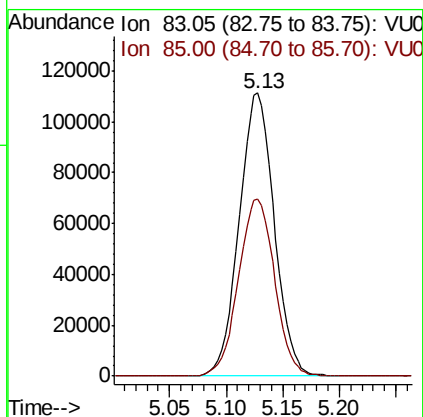
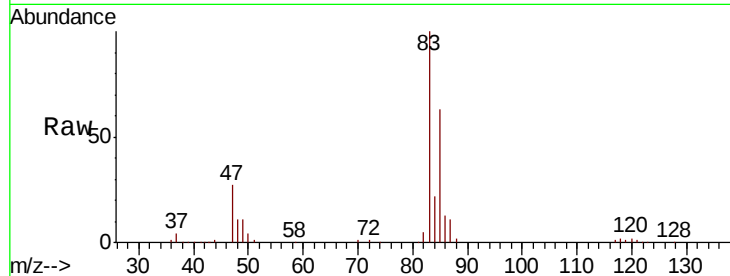




#25
Chloroform
Concen: 5.526 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

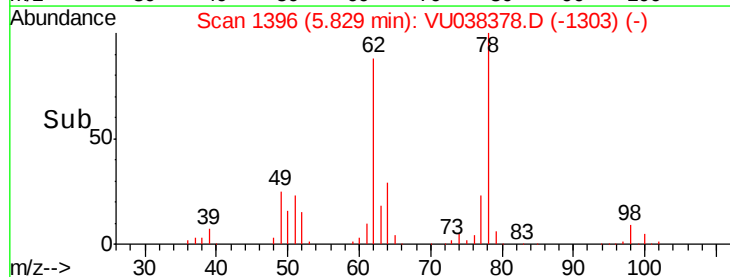
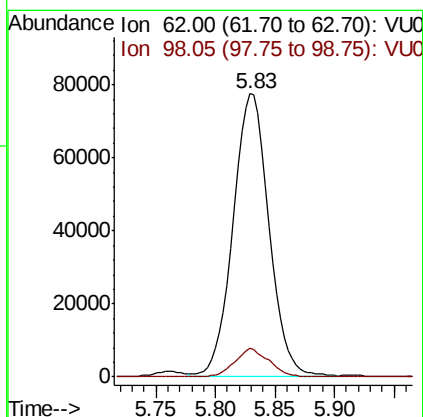
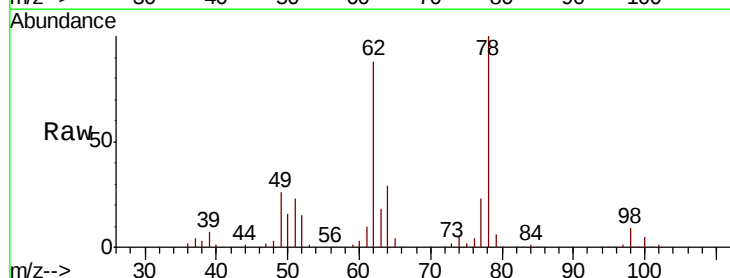
Instrument :
MSVOA_U
ClientSampleId :

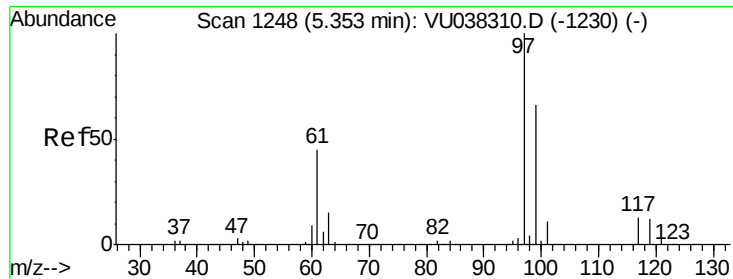
Tot Ion: 83 Resp: 240291
Ion Ratio Lower Upper
83 100
85 62.6 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.269 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Tgt Ion: 62 Resp: 161733
Ion Ratio Lower Upper
62 100
98 10.0 7.8 11.8

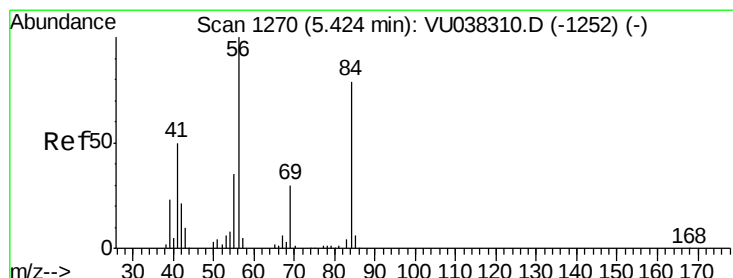
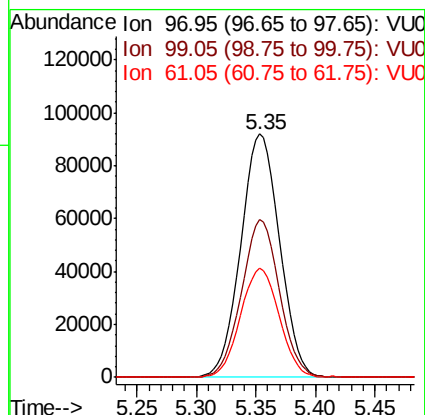
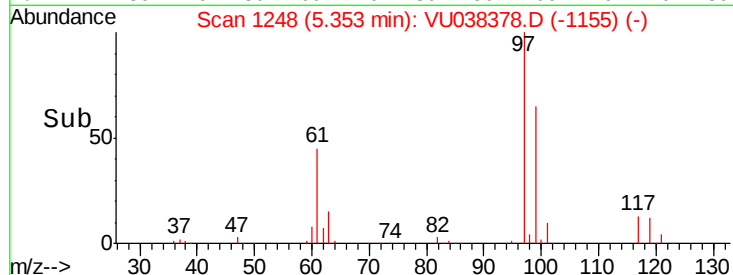
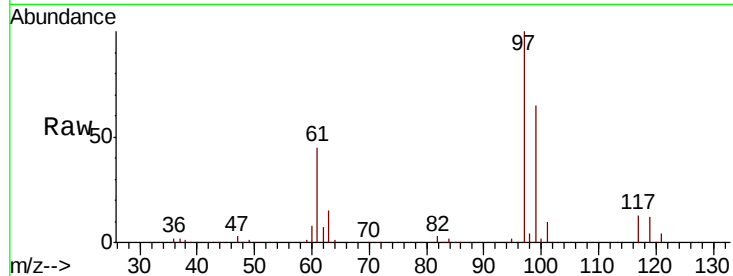




#29
 1,1,1-Trichloroethane
 Concen: 5.925 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

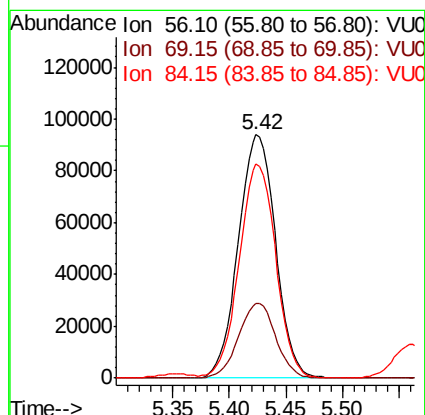
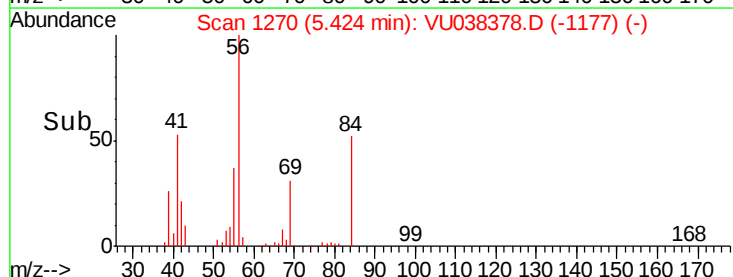
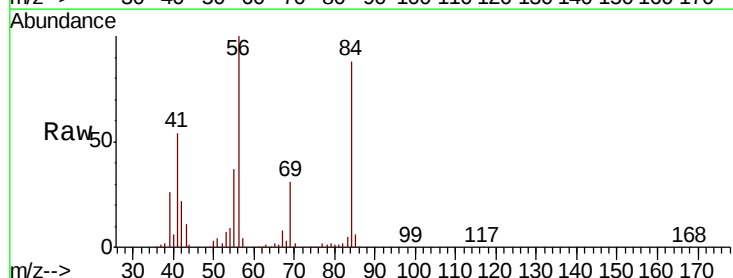
Instrument :
 MSVOA_U
 ClientSampled :

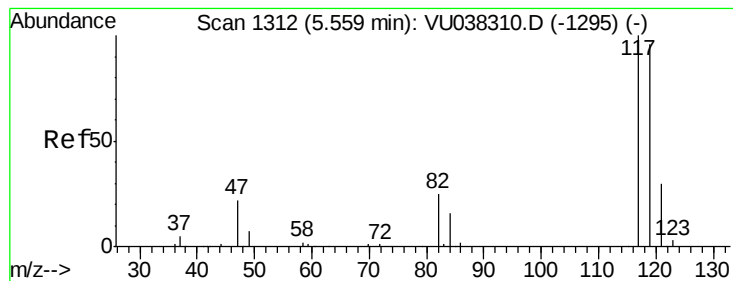
Tot Ion: 97 Resp: 208372
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.0 76.4
 61 44.8 38.2 57.4



#30
 Cyclohexane
 Concen: 5.176 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion: 56 Resp: 214896
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.2 36.4
 84 86.6 68.5 102.7





#31

Carbon tetrachloride

Concen: 6.141 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

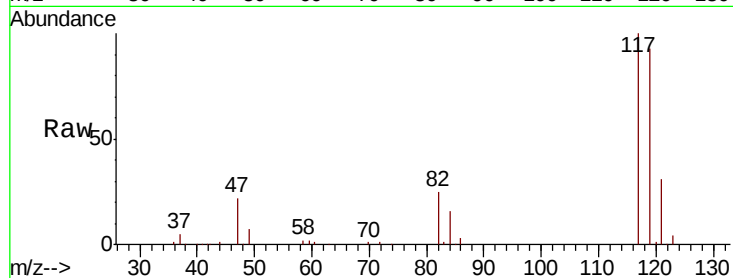
ClientSampleId :

Tot Ion:117 Resp: 173576

Ion Ratio Lower Upper

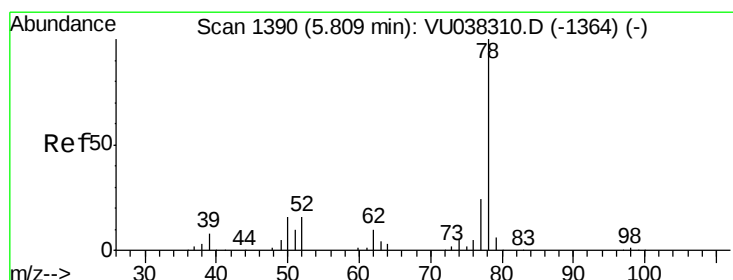
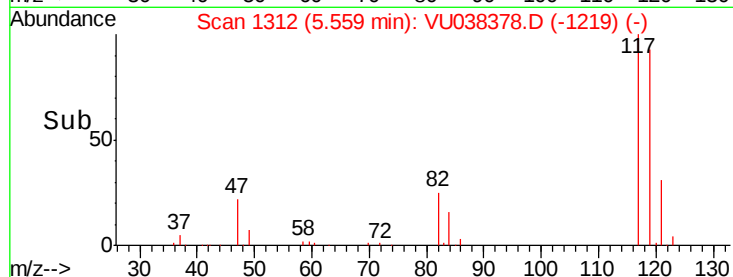
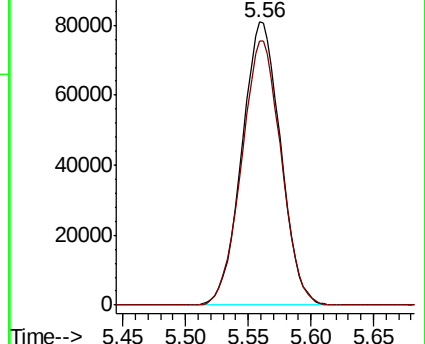
117 100

119 95.2 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.455 ug/L

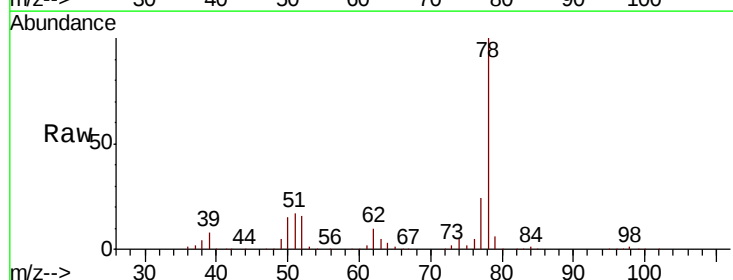
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Tgt Ion: 78 Resp: 536151



Abundance Ion 78.10 (77.80 to 78.80): VU0

300000

250000

200000

150000

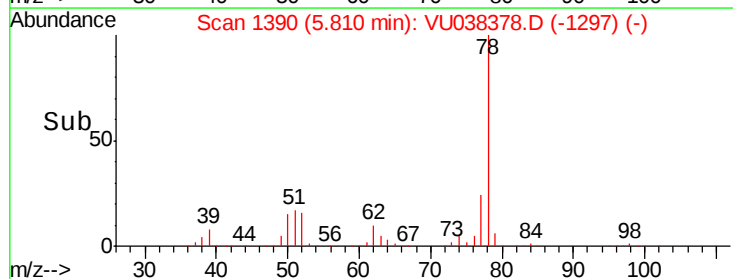
100000

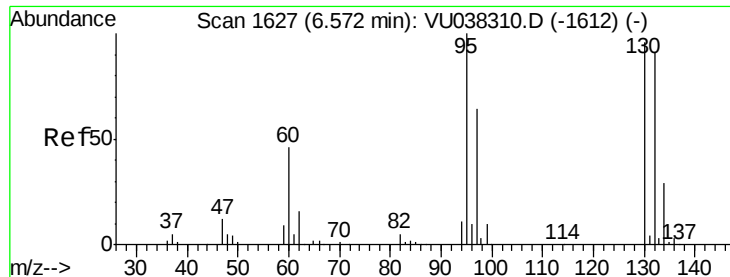
50000

0

Time-->

5.70 5.80 5.90

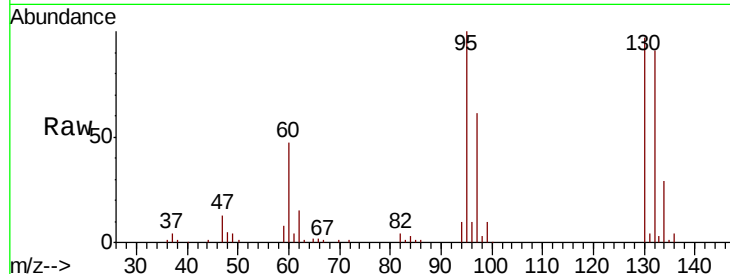




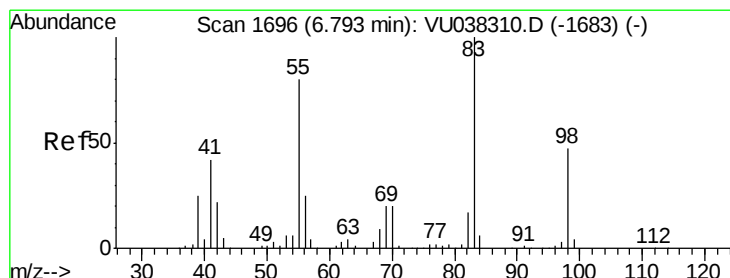
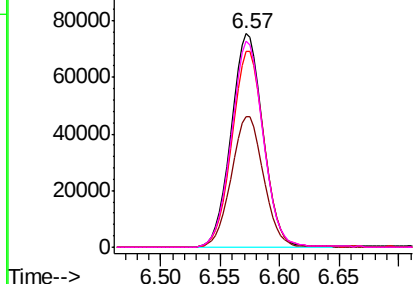
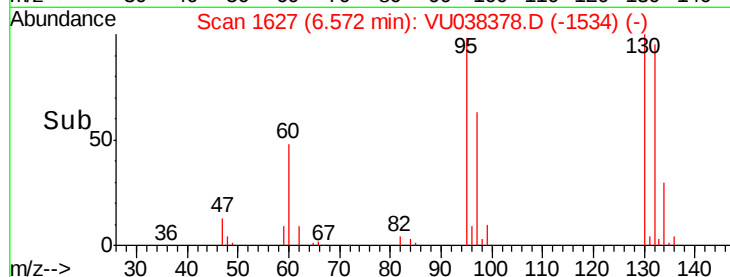
#34
 Trichloroethene
 Concen: 5.699 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 140097
 Ion Ratio Lower Upper
 95 100
 97 61.2 44.9 83.3
 132 91.4 63.3 117.5
 130 96.6 65.7 122.1

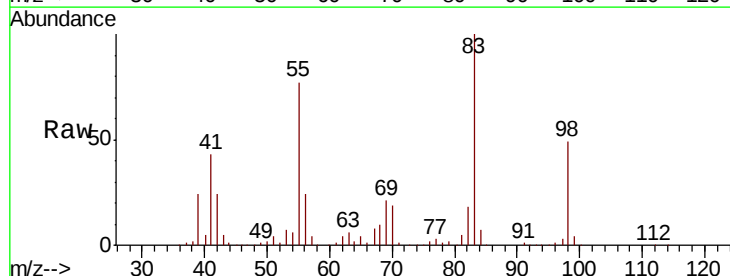


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

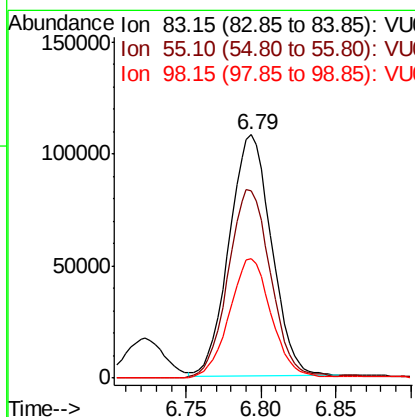
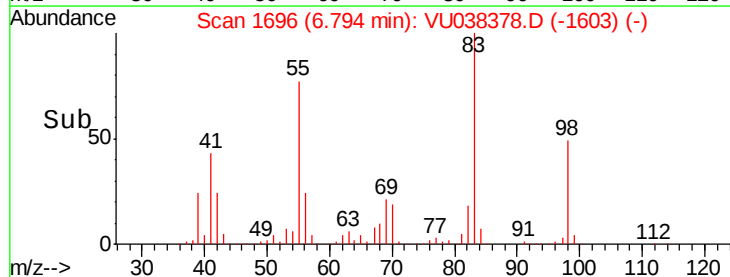


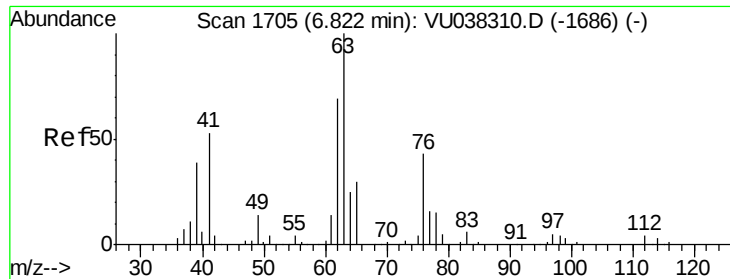
#35
 Methylcyclohexane
 Concen: 5.332 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion: 83 Resp: 212324
 Ion Ratio Lower Upper
 83 100
 55 79.0 66.7 100.1
 98 49.3 39.4 59.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

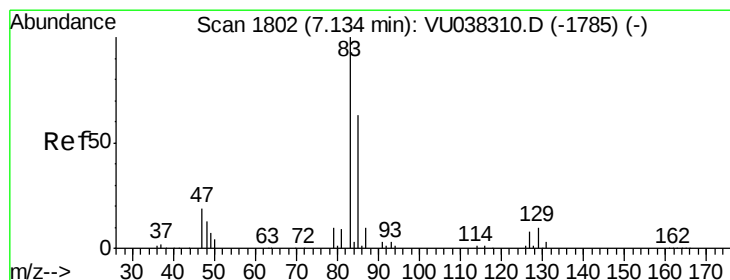
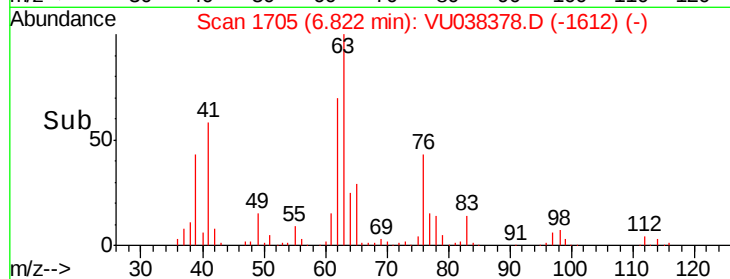
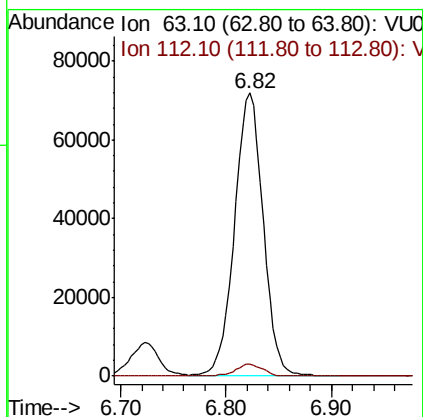
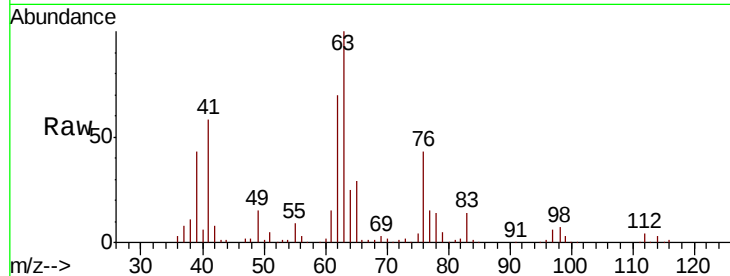




#37
 1,2-Dichloropropane
 Concen: 5.077 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

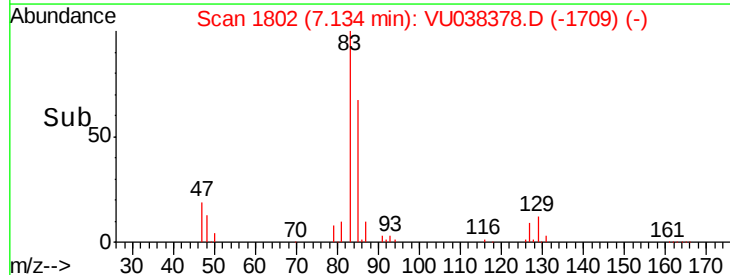
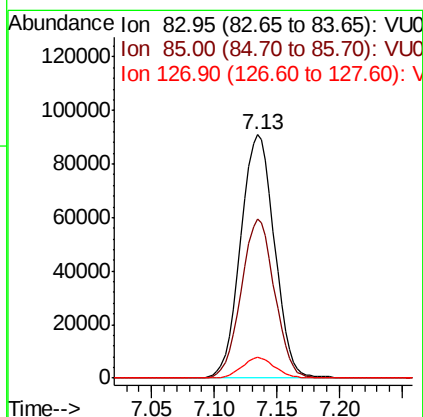
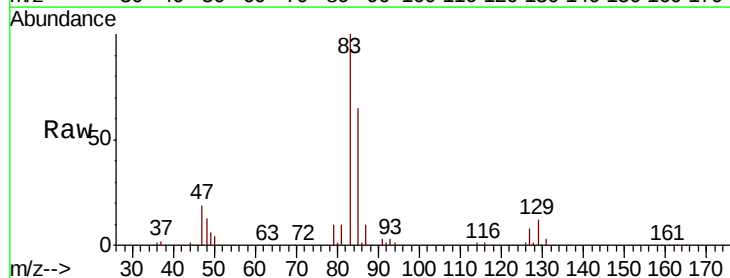
Instrument :
 MSVOA_U
 ClientSampleId :

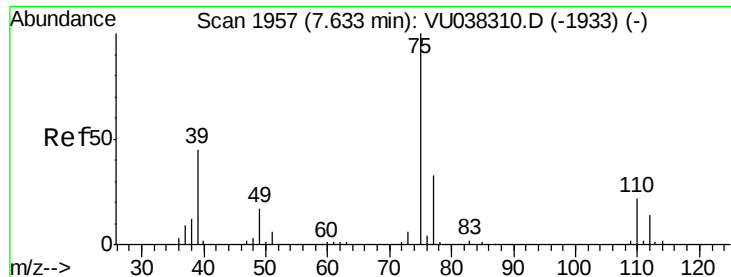
Tot Ion: 63 Resp: 135536
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.510 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion: 83 Resp: 170064
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.6 82.8
 127 8.5 6.4 9.6

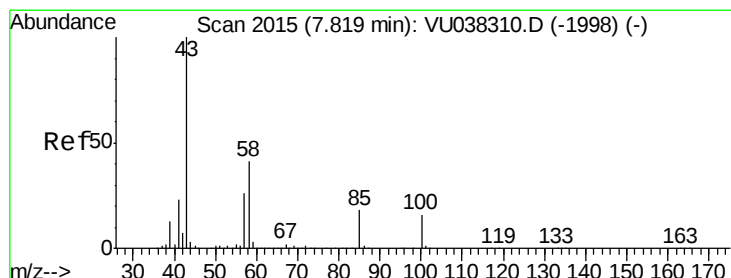
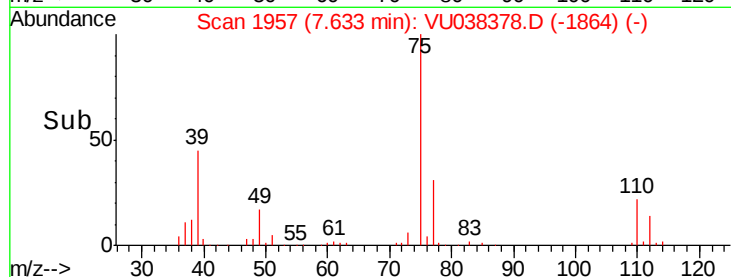
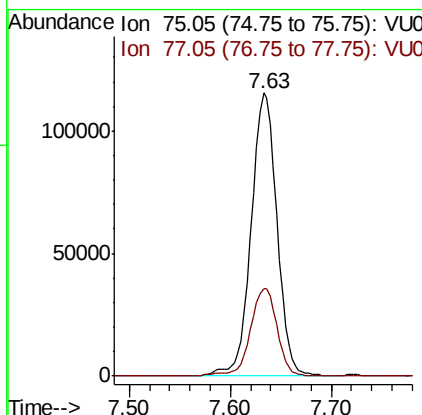
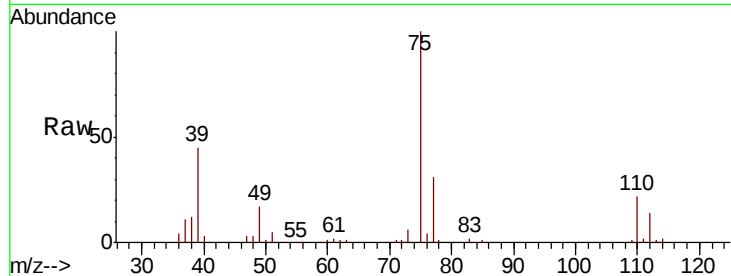




#39
 cis-1,3-Dichloropropene
 Concen: 5.349 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

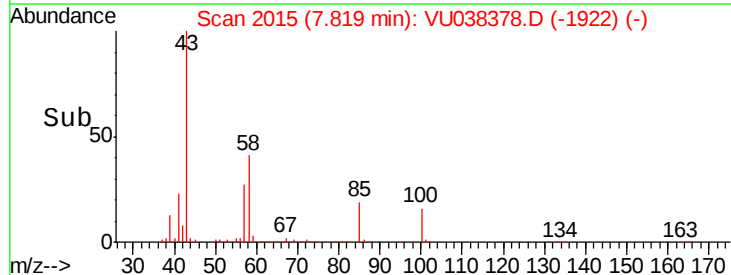
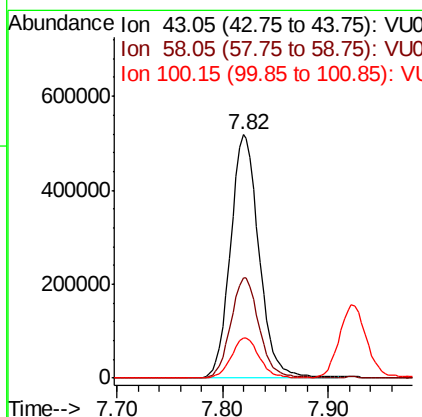
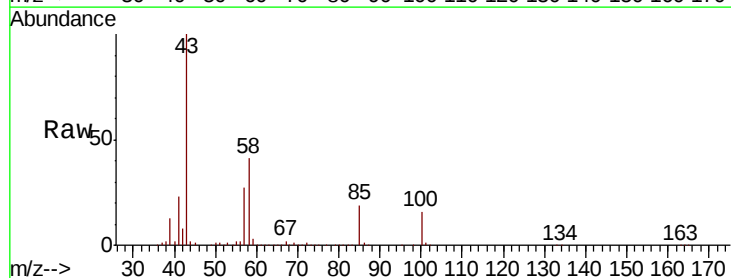
Instrument :
 MSVOA_U
 ClientSampled :

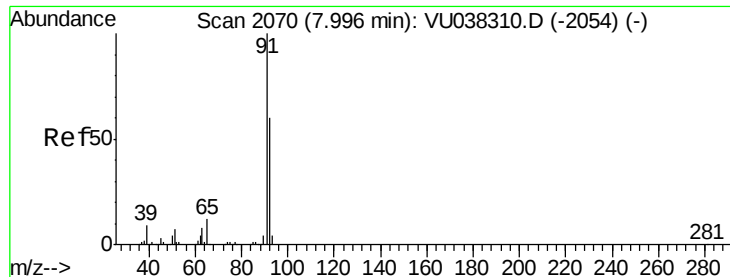
Tot Ion: 75 Resp: 204380
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.429 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion: 43 Resp: 970117
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 16.3 12.1 18.1





#42

Toluene

Concen: 5.461 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

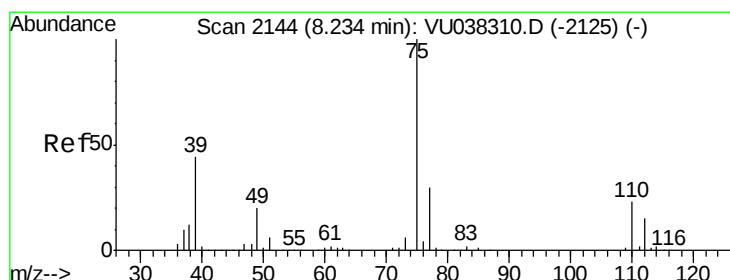
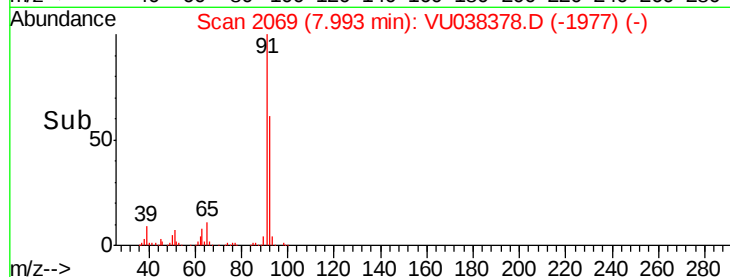
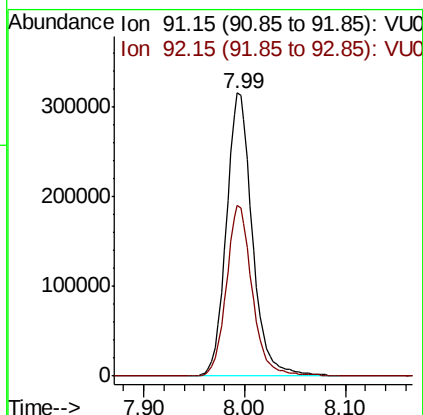
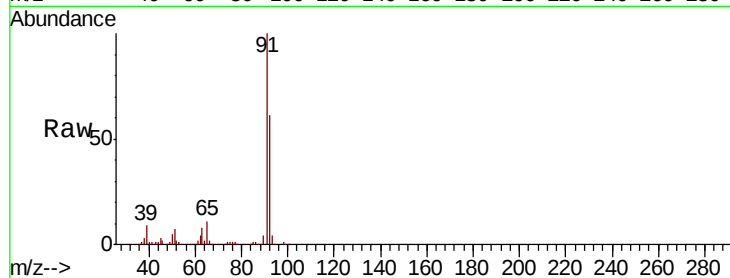
ClientSampleId :

Tot Ion: 91 Resp: 566618

Ion Ratio Lower Upper

91 100

92 60.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.461 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038378.D

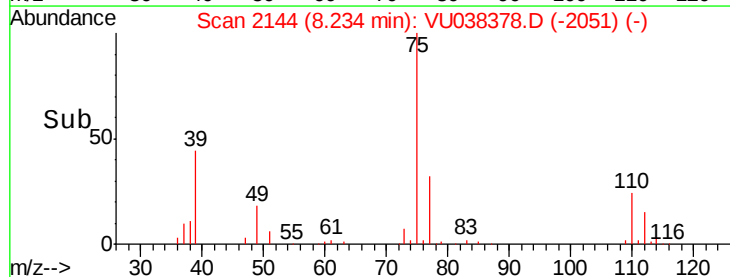
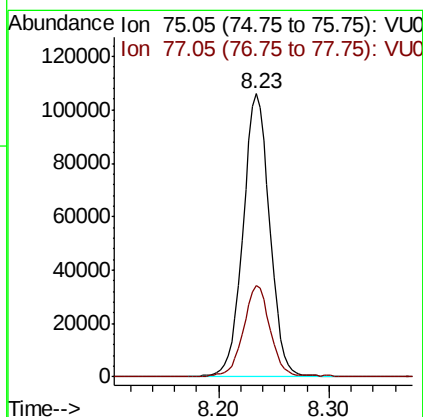
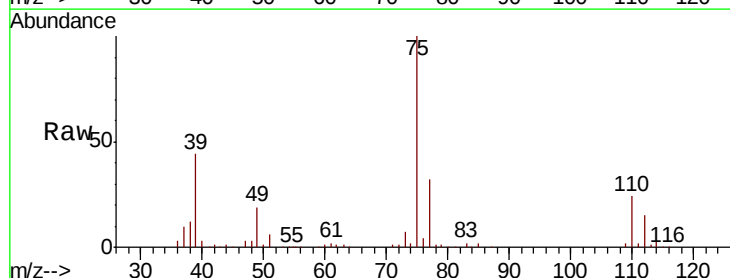
Acq: 29 May 2020 15:11

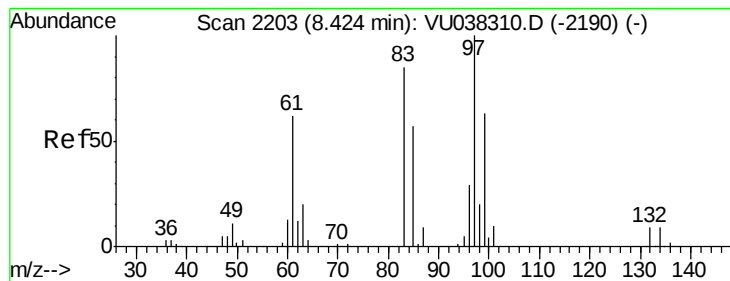
Tgt Ion: 75 Resp: 177425

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.469 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 101391

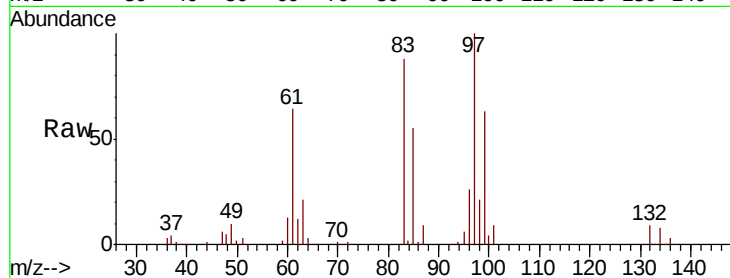
Ion Ratio Lower Upper

97 100

99 63.1 44.0 81.6

83 87.8 59.6 110.8

85 54.6 41.3 76.7

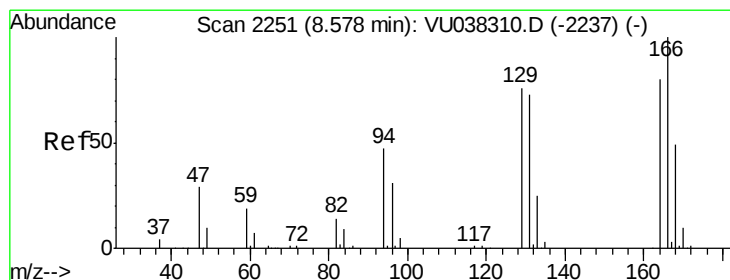
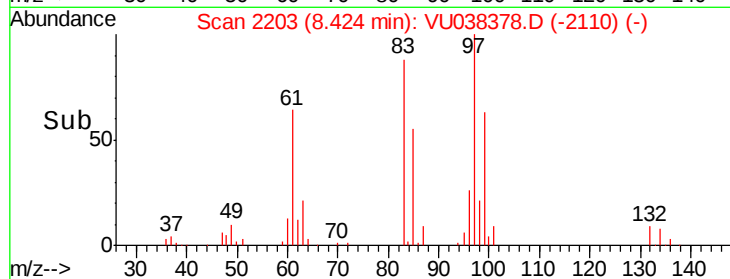
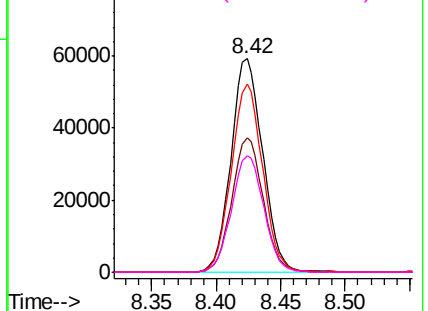


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.777 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Tgt Ion: 164 Resp: 99339

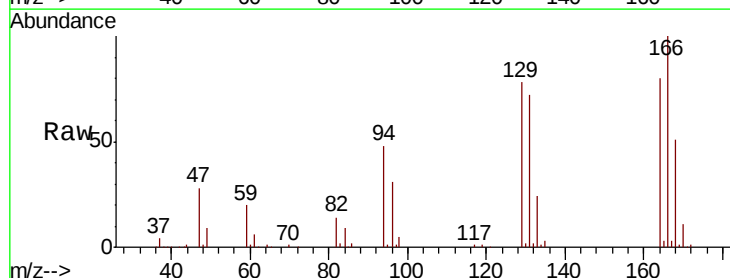
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 90.9 66.8 124.2

166 125.4 88.9 165.1

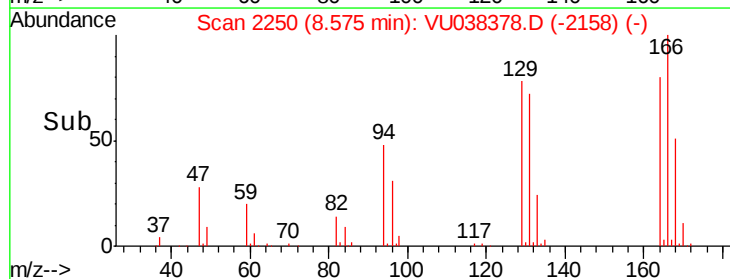
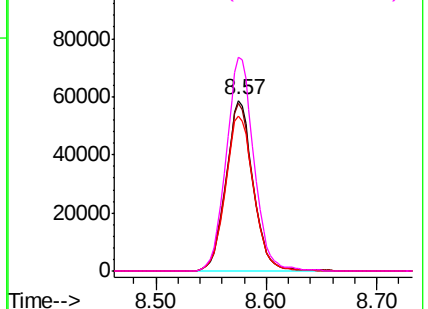


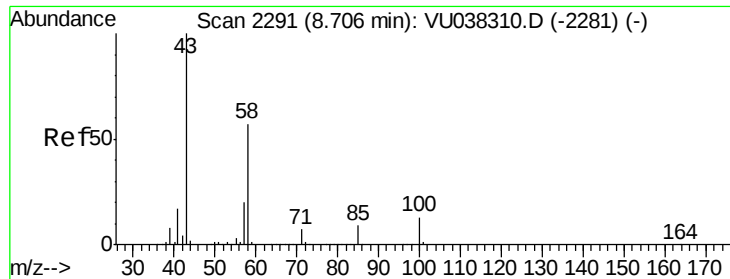
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

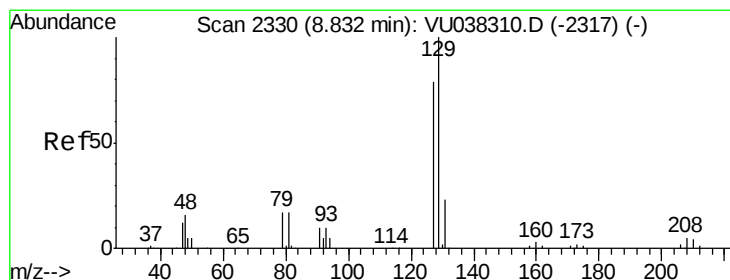
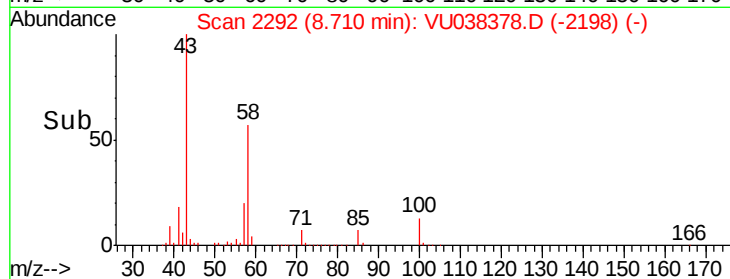
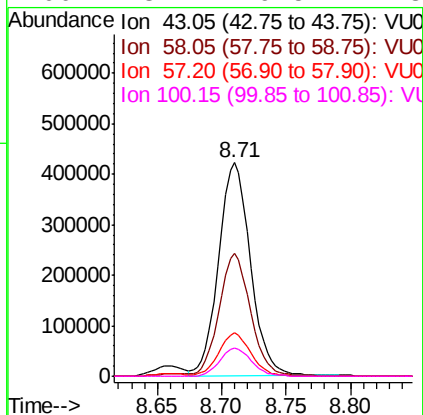
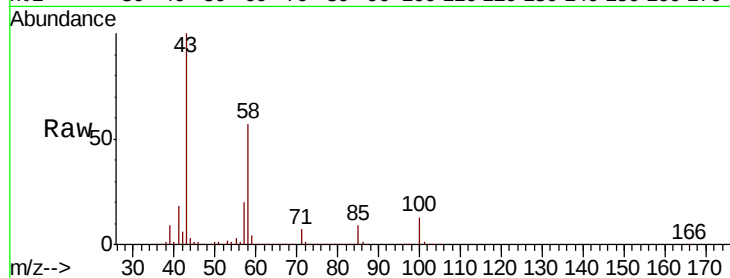




#48
2-Hexanone
Concen: 53.532 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

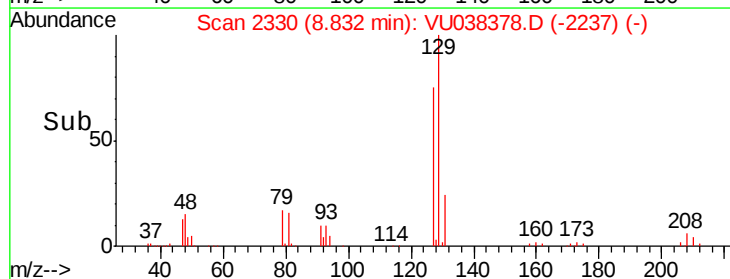
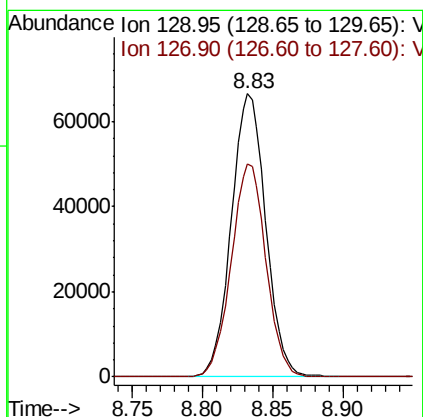
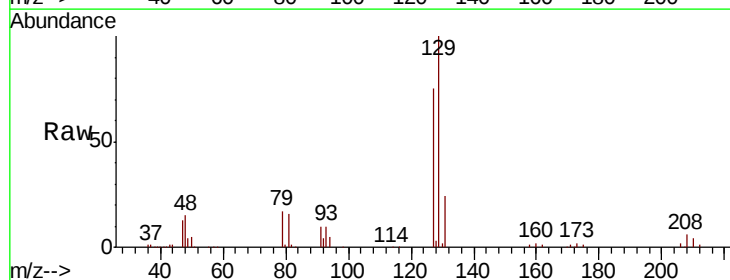
Instrument :
MSVOA_U
ClientSampled :

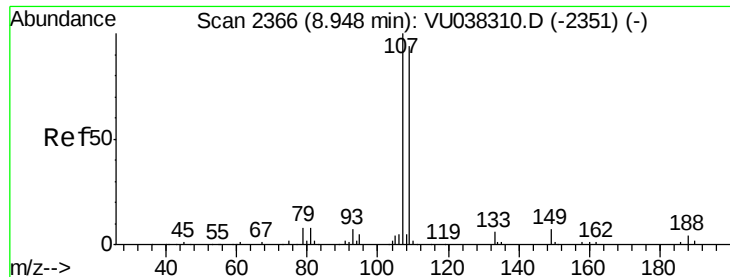
Tot Ion: 43 Resp: 725418
Ion Ratio Lower Upper
43 100
58 58.4 45.2 67.8
57 20.2 15.5 23.3
100 13.4 9.5 14.3



#49
Dibromochloromethane
Concen: 5.915 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Tgt Ion: 129 Resp: 113816
Ion Ratio Lower Upper
129 100
127 75.3 55.6 103.4

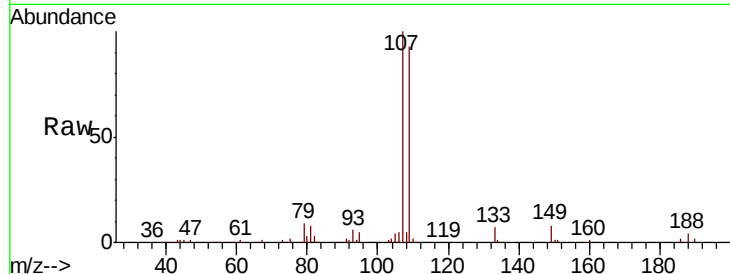




#50
 1,2-Dibromoethane
 Concen: 5.678 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.1	120.9
188	3.7	2.6	4.0

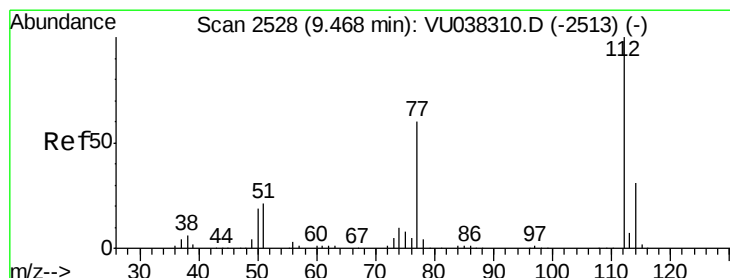
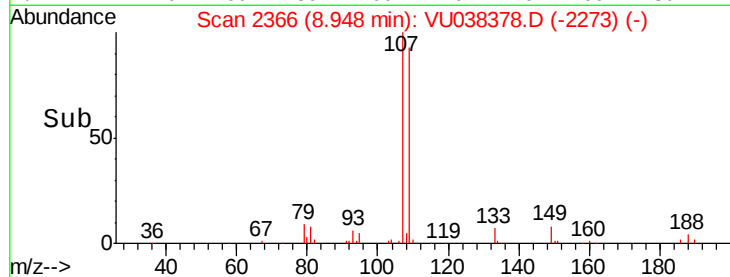
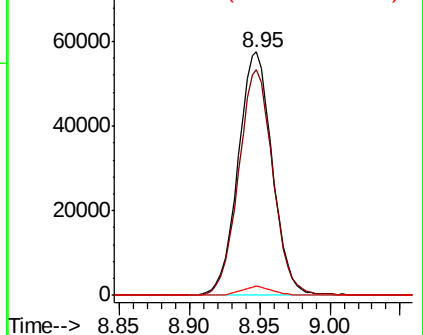


Abundance

Ion 106.95 (106.65 to 107.65): V

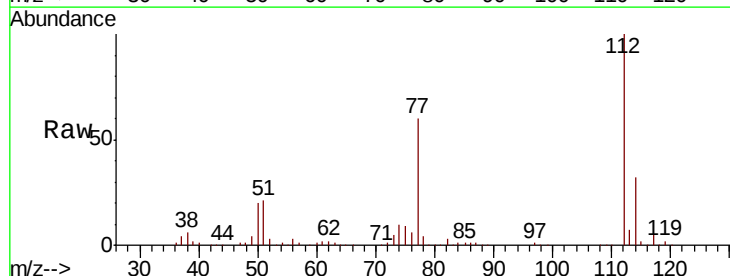
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.513 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	60.3	49.9	74.9

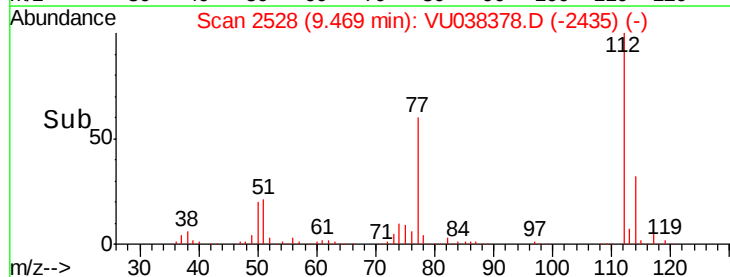
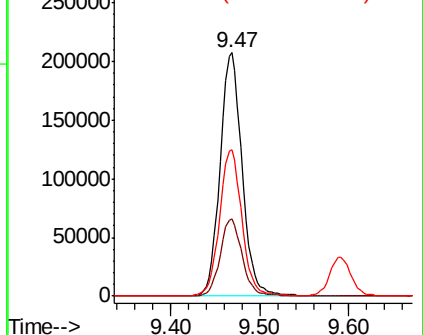


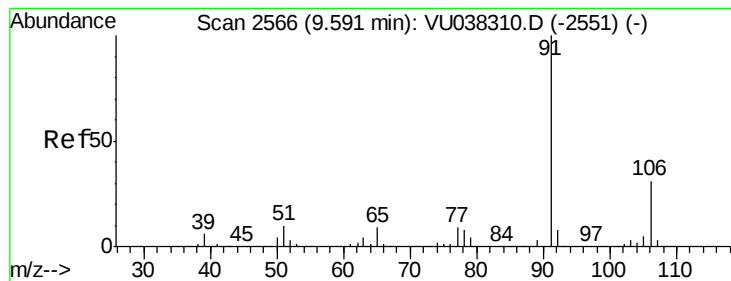
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.628 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

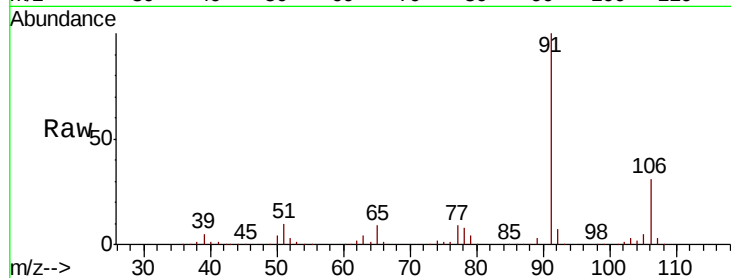
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 632551

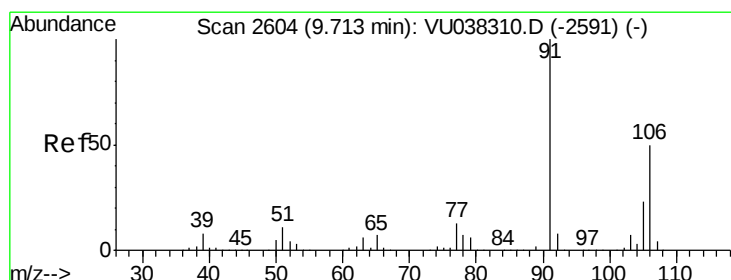
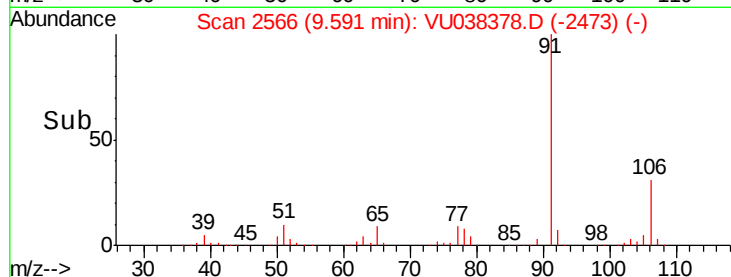
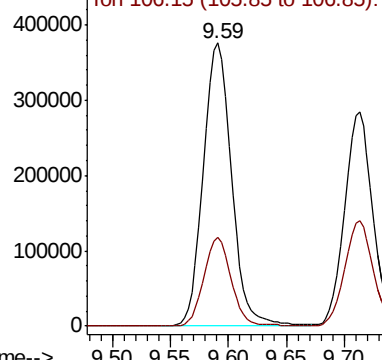
Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038310.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.657 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038378.D

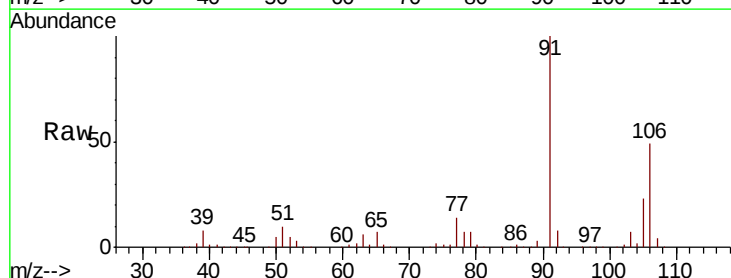
Acq: 29 May 2020 15:11

Tgt Ion: 106 Resp: 243822

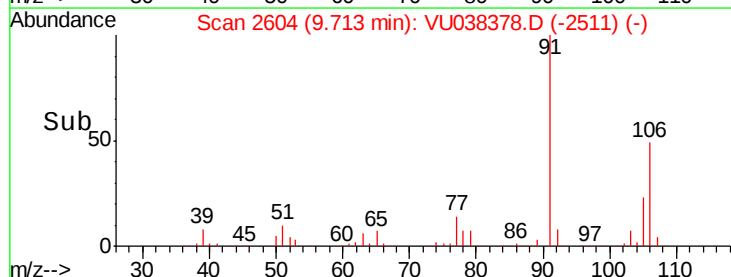
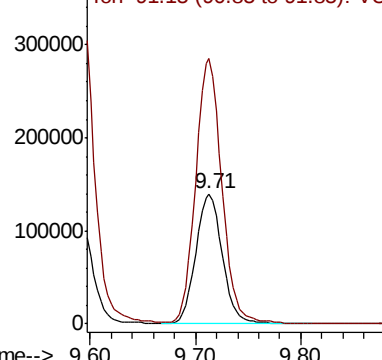
Ion Ratio Lower Upper

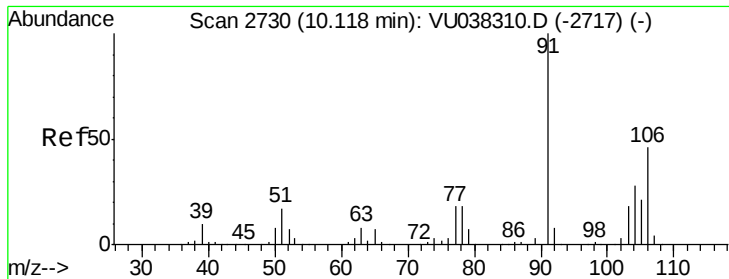
106 100

91 203.5 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038310.D (-2591) (-)

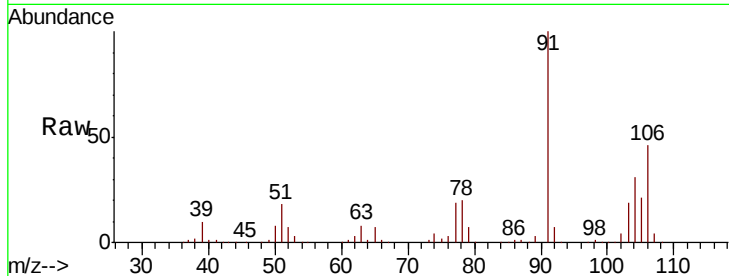




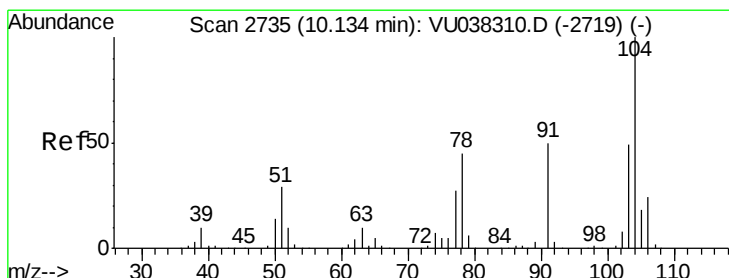
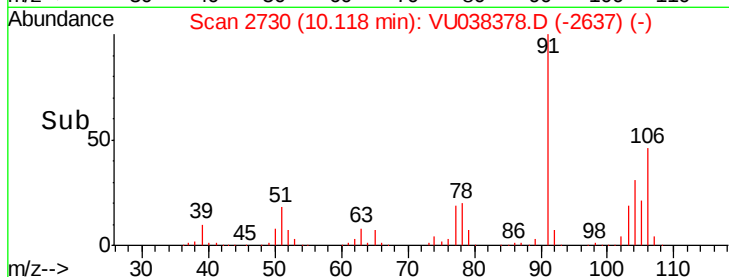
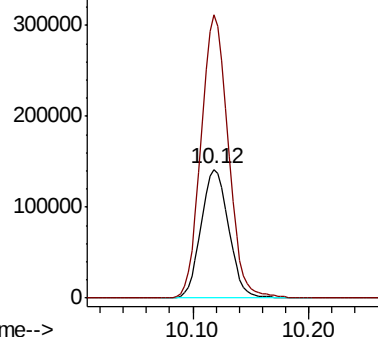
#54
o-Xylene
Concen: 5.610 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 233746
Ion Ratio Lower Upper
106 100
91 219.4 148.5 275.9

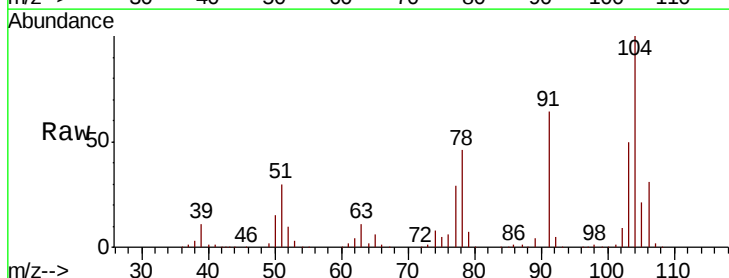


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

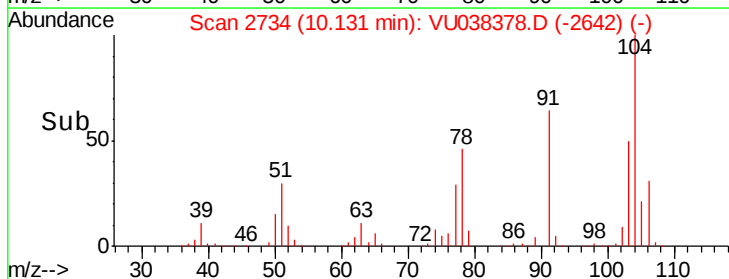
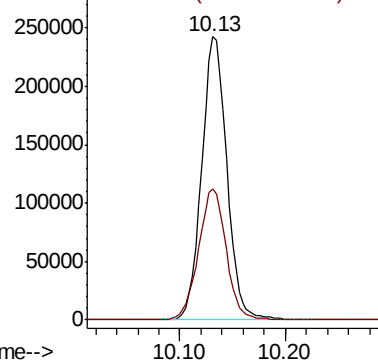


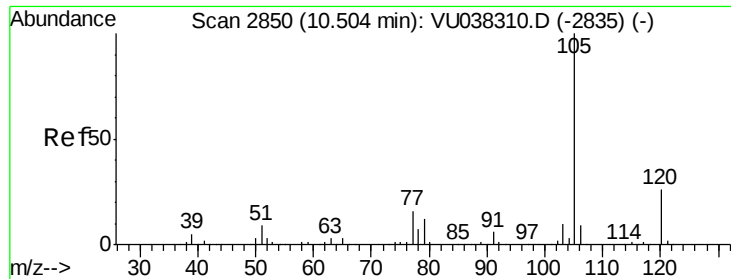
#55
Styrene
Concen: 5.733 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038378.D
Acq: 29 May 2020 15:11

Tgt Ion:104 Resp: 400992
Ion Ratio Lower Upper
104 100
78 46.4 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.785 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampleId :

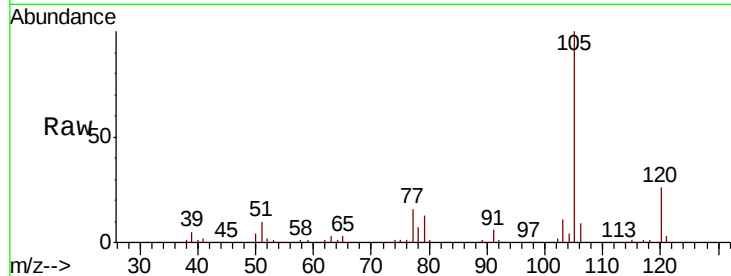
Tot Ion:105 Resp: 619212

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

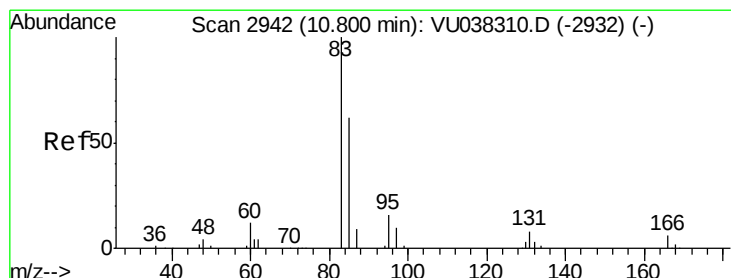
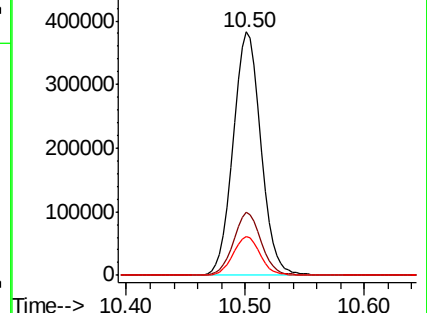
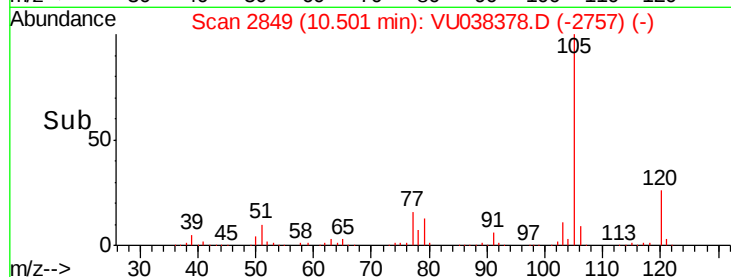
77 15.7 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.434 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

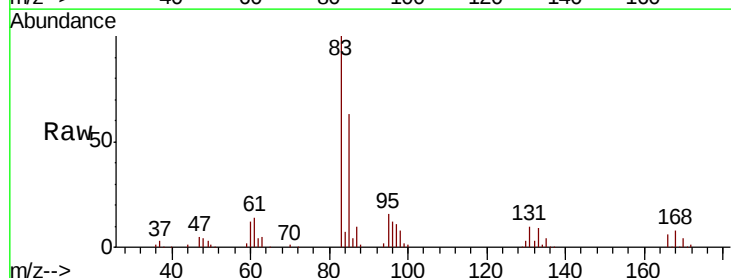
Tgt Ion: 83 Resp: 127906

Ion Ratio Lower Upper

83 100

85 62.7 47.0 87.2

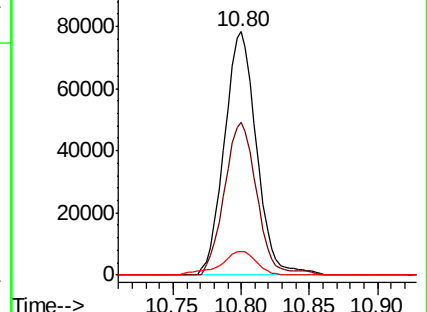
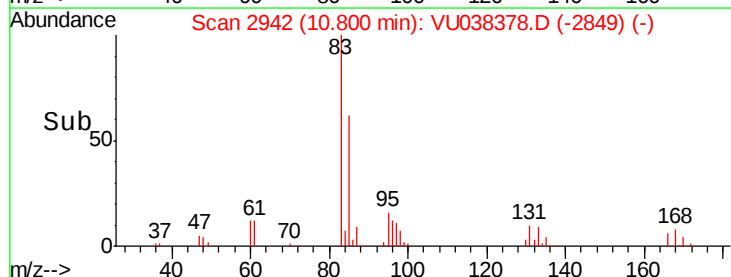
131 9.9 7.7 11.5

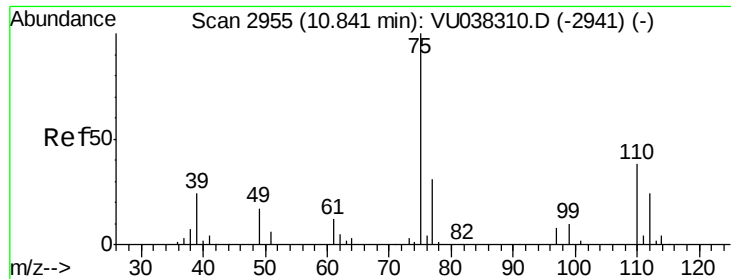


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.592 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

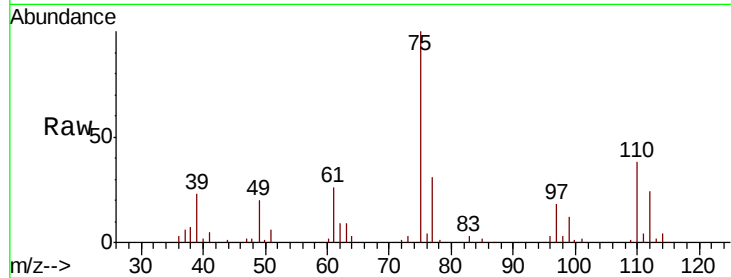
ClientSampleId :

Tot Ion: 75 Resp: 100201

Ion Ratio Lower Upper

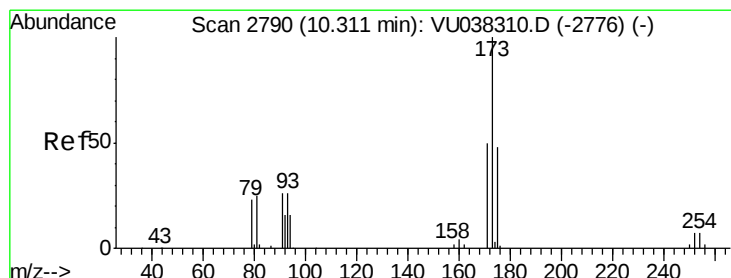
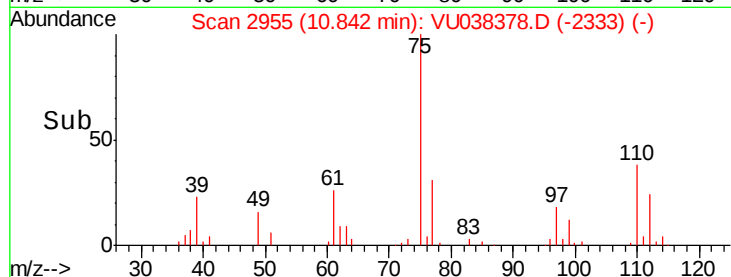
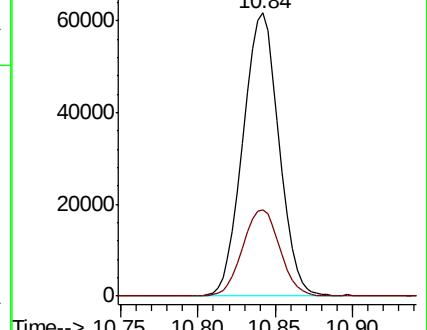
75 100

77 31.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038310.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038310.D (-2941) (-)



#61

Bromoform

Concen: 5.611 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

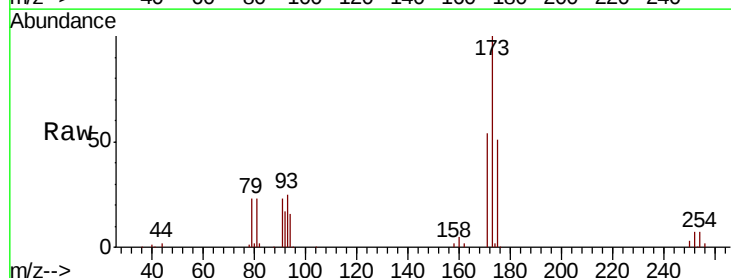
Tgt Ion: 173 Resp: 62044

Ion Ratio Lower Upper

173 100

175 48.2 39.5 59.3

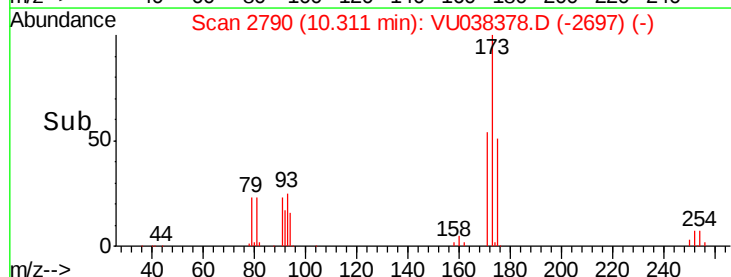
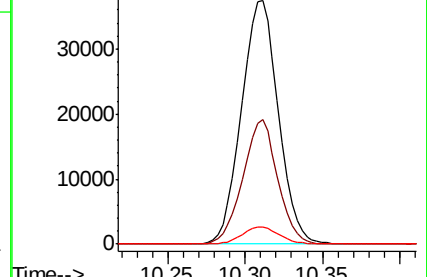
254 7.1 5.0 7.4

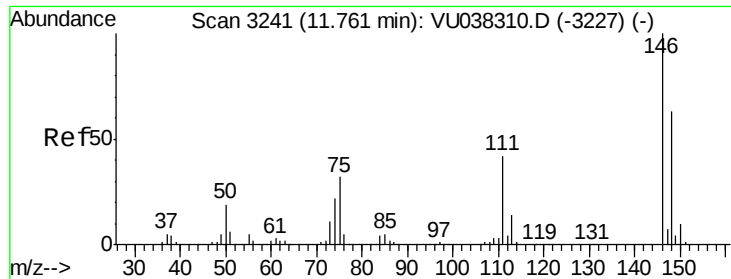


Abundance Ion 172.90 (172.60 to 173.60): VU038310.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038310.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038310.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 5.335 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampled :

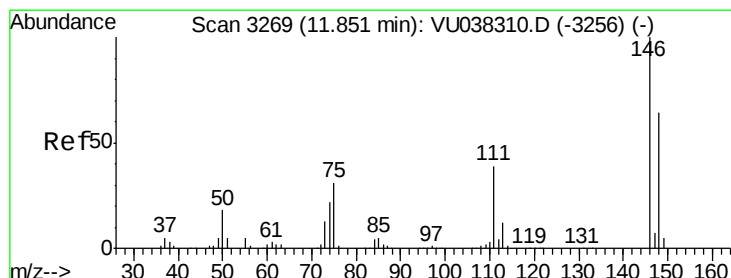
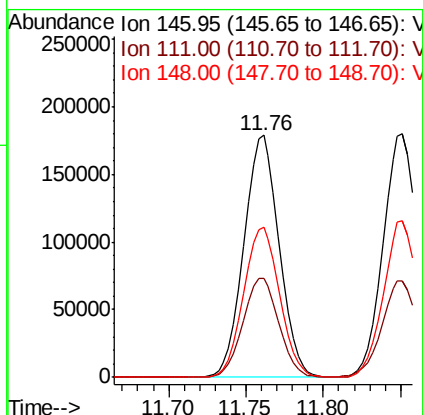
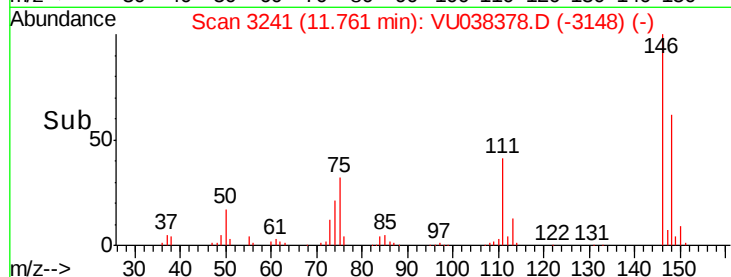
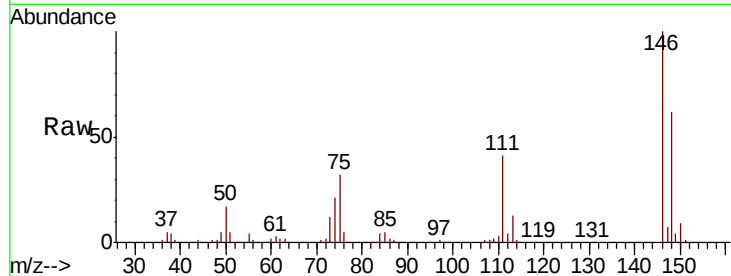
Tot Ion:146 Resp: 284008

Ion Ratio Lower Upper

146 100

111 41.1 28.6 53.2

148 61.8 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 5.333 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

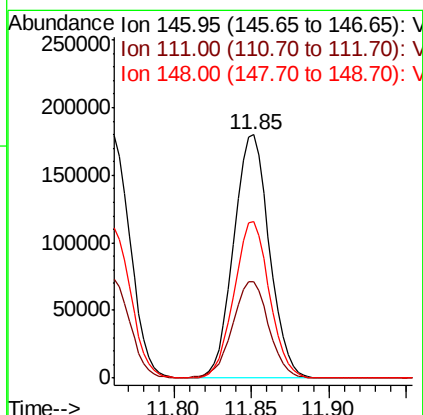
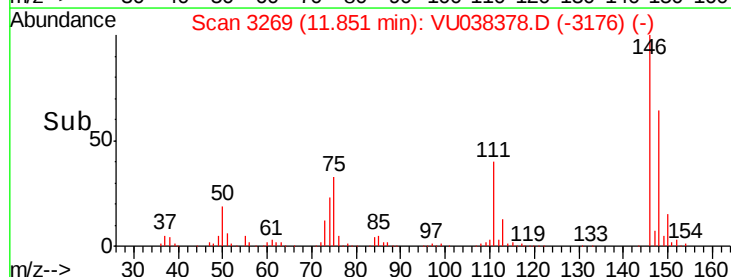
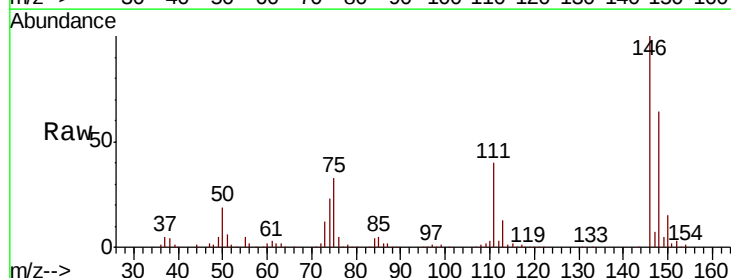
Tgt Ion:146 Resp: 287668

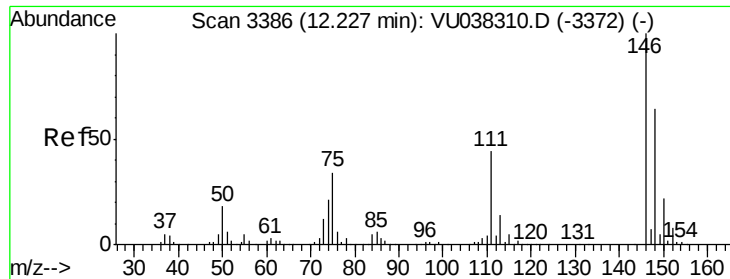
Ion Ratio Lower Upper

146 100

111 39.7 27.2 50.6

148 64.2 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 5.285 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampled :

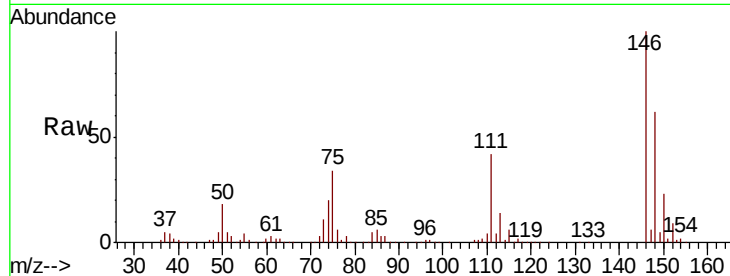
Tot Ion:146 Resp: 270653

Ion Ratio Lower Upper

146 100

111 42.1 35.3 52.9

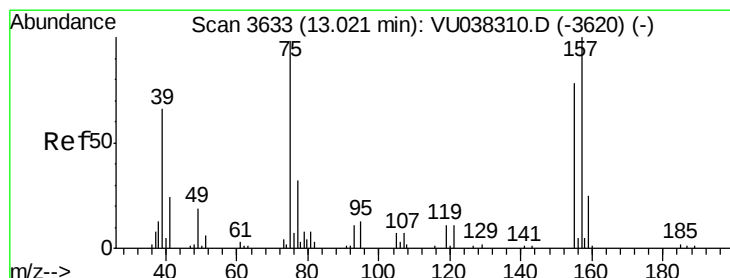
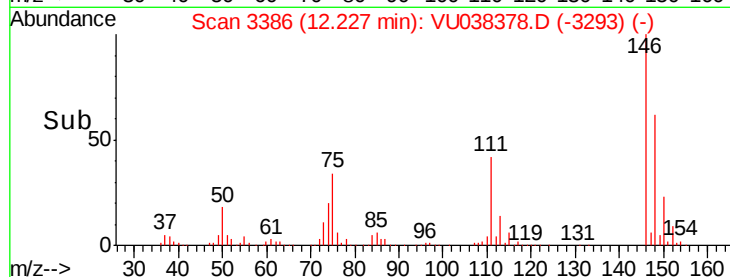
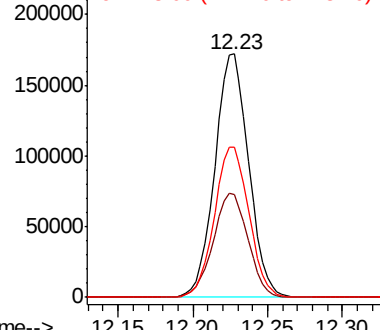
148 61.6 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.231 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

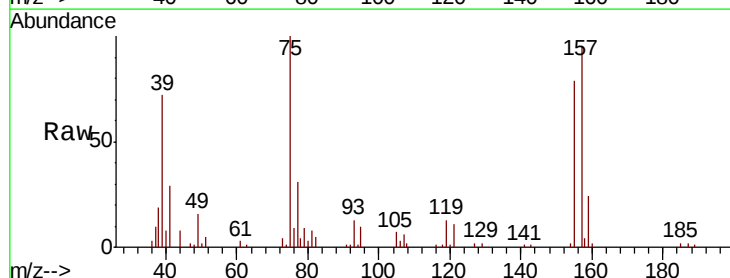
Tgt Ion: 75 Resp: 21893

Ion Ratio Lower Upper

75 100

155 79.5 58.2 87.2

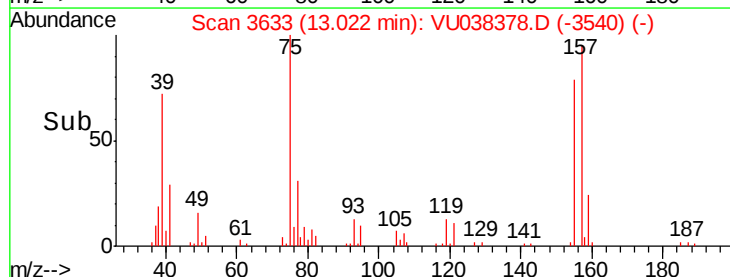
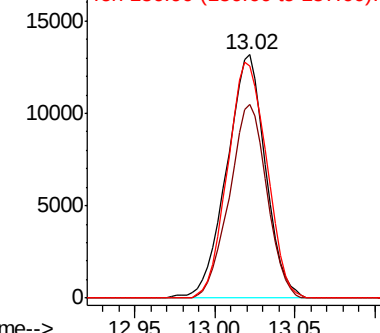
157 95.1 72.9 109.3

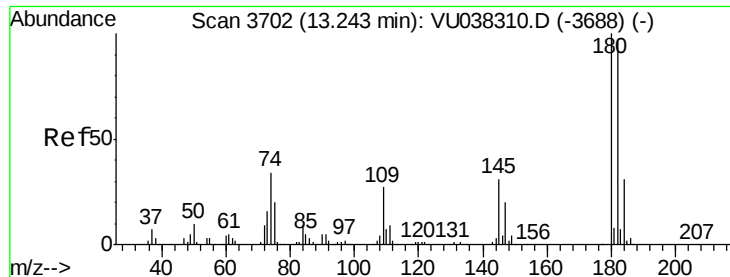


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

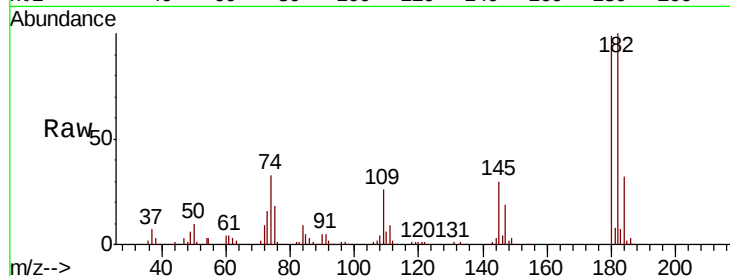




#67
 1,3,5-Trichlorobenzene
 Concen: 5.424 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	209516
Ion	Ratio	Lower	Upper
180	100		
182	98.6	77.4	116.2
184	31.0	24.2	36.2
145	30.5	24.0	36.0



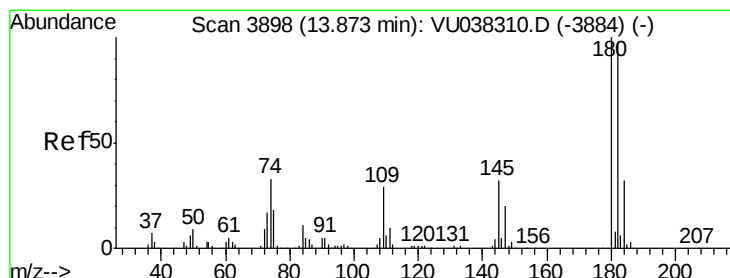
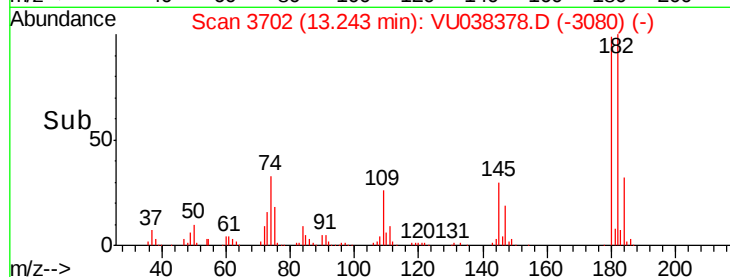
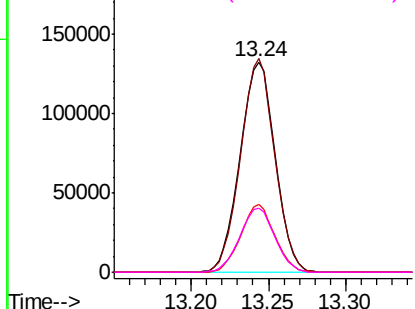
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

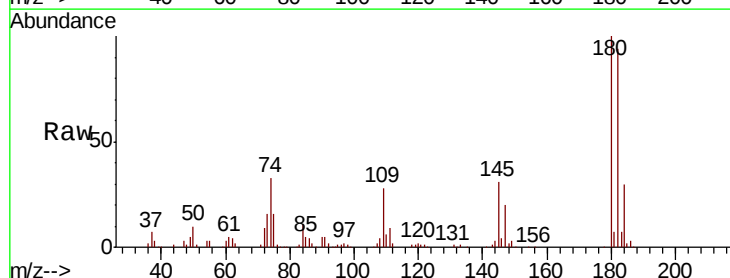
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.438 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU038378.D
 Acq: 29 May 2020 15:11

Tgt Ion:	180	Resp:	190504
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.6
145	31.0	24.8	37.2

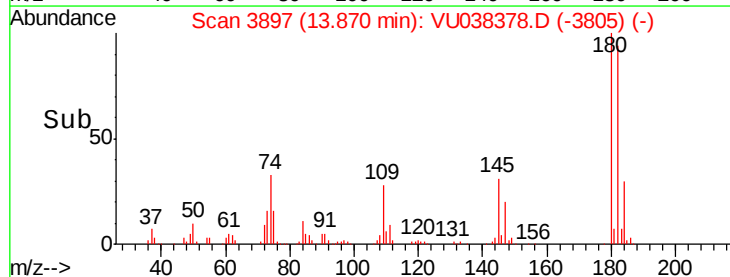
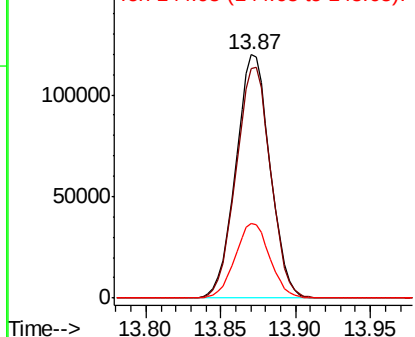


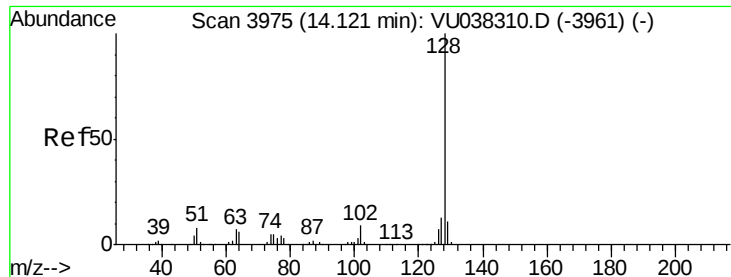
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.328 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

Instrument :

MSVOA_U

ClientSampleId :

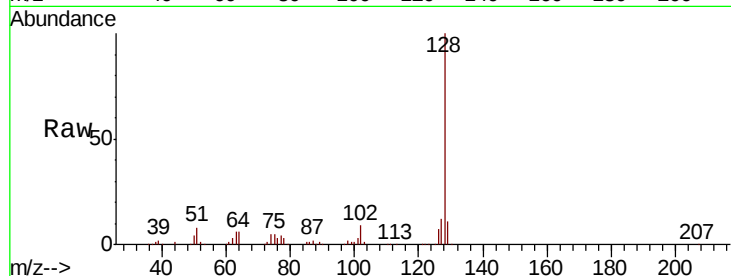
Tot Ion:128 Resp: 392959

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

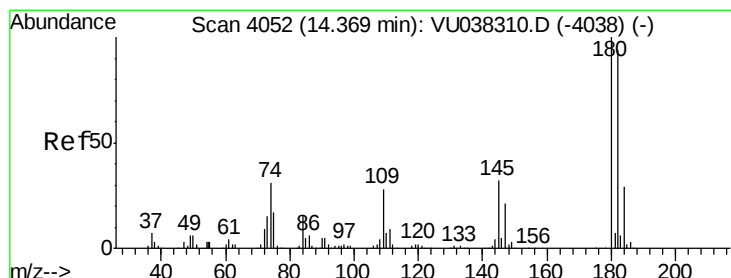
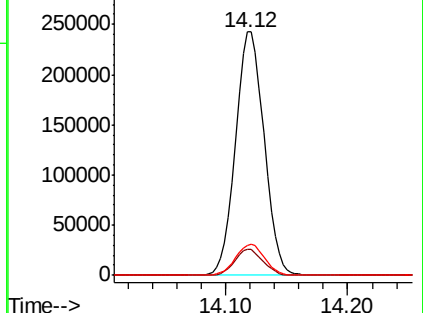
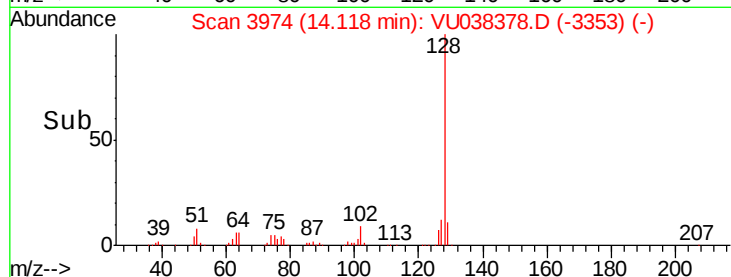
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.466 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU038378.D

Acq: 29 May 2020 15:11

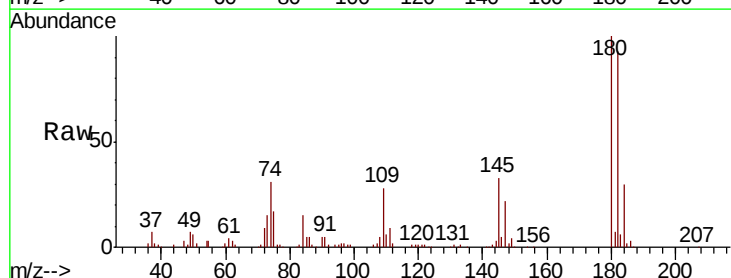
Tgt Ion:180 Resp: 177997

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 34.1 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

