

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
 Data File : VU038332.D
 Acq On : 27 May 2020 19:38
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 28 04:20:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	308917	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	298974	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	155428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106094	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.93	69	97169	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.59	63	210632	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.66	46	347206	49.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.60%
24) Chloroform-d	5.10	84	216967	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.74	65	124101	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.76	84	443080	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.72	67	141399	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.92	98	397726	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	57055	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.65	63	281023	51.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114891	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	152450	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	134977	4.778	ug/L 99
3) Chloromethane	1.53	50	131407	3.859	ug/L 99
5) Vinyl chloride	1.62	62	134872	4.043	ug/L 97
6) Bromomethane	1.87	94	50576	2.663	ug/L 98
8) Chloroethane	1.95	64	82612	4.026	ug/L 98
9) Trichlorofluoromethane	2.16	101	168713	4.946	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	97585	4.614	ug/L 96
12) 1,1-Dichloroethene	2.60	96	102729	4.792	ug/L 97
13) Acetone	2.65	43	206500	47.211	ug/L 100
14) Carbon disulfide	2.82	76	342038	4.473	ug/L 99
15) Methyl Acetate	2.98	43	55587	4.543	ug/L 96
16) Methylene chloride	3.08	84	125301	5.014	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	300443	5.044	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	113927	4.868	ug/L 97
19) 1,1-Dichloroethane	3.91	63	217592	4.760	ug/L 99
21) 2-Butanone	4.74	43	366978	47.534	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	126195	5.003	ug/L 97

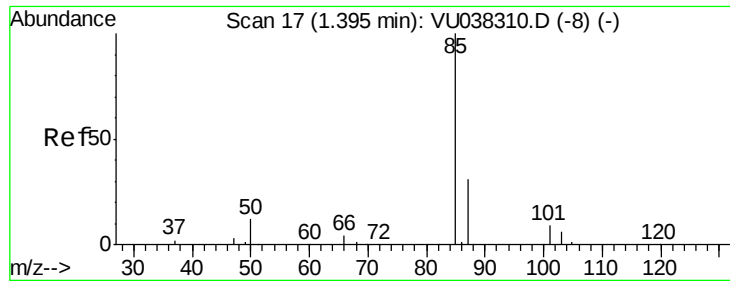
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
 Data File : VU038332.D
 Acq On : 27 May 2020 19:38
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 04:16:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	56553	5.210	ug/L	91
25) Chloroform	5.13	83	222284	5.213	ug/L	98
27) 1,2-Dichloroethane	5.83	62	151075	5.019	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	182895	5.339	ug/L	97
30) Cyclohexane	5.42	56	177035	4.377	ug/L	100
31) Carbon tetrachloride	5.56	117	145414	5.282	ug/L	98
33) Benzene	5.81	78	483862	5.054	ug/L	100
34) Trichloroethene	6.57	95	119431	4.988	ug/L	96
35) Methylcyclohexane	6.79	83	175216	4.517	ug/L	95
37) 1,2-Dichloropropane	6.82	63	125076	4.810	ug/L	98
38) Bromodichloromethane	7.13	83	155153	5.161	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	180699	4.855	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	866921	48.099	ug/L	99
42) Toluene	7.99	91	501231	4.959	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	157885	4.989	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	91705	5.078	ug/L	98
47) Tetrachloroethene	8.57	164	82159	4.905	ug/L	98
48) 2-Hexanone	8.70	43	628611	47.624	ug/L	97
49) Dibromochloromethane	8.83	129	101293	5.405	ug/L	96
50) 1,2-Dibromoethane	8.94	107	87281	5.208	ug/L	99
51) Chlorobenzene	9.47	112	322838	5.147	ug/L	96
52) Ethylbenzene	9.59	91	544380	4.972	ug/L	99
53) m,p-Xylene	9.71	106	212600	5.064	ug/L	96
54) o-Xylene	10.12	106	206654	5.091	ug/L	99
55) Styrene	10.13	104	358013	5.254	ug/L	99
56) Isopropylbenzene	10.50	105	522356	5.010	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	113645	4.957	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	87761	5.028	ug/L	100
61) Bromoform	10.31	173	52796	5.025	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	246295	4.870	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	248086	4.841	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	236345	4.858	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	18227	4.584	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	181819	4.955	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	165494	4.972	ug/L	99
69) Naphthalene	14.11	128	344604	4.918	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	152749	4.938	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.778 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

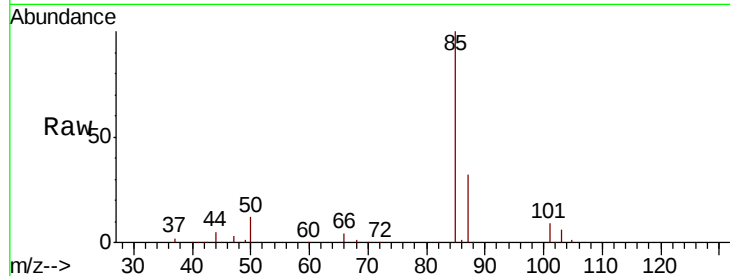
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 134977

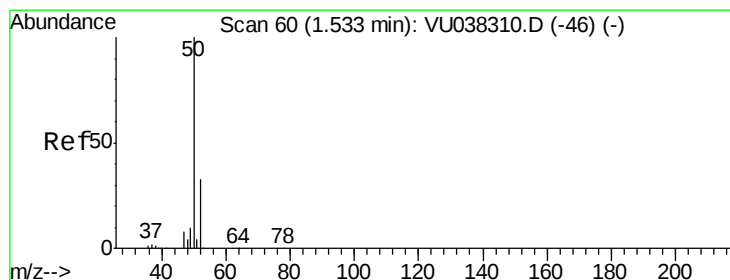
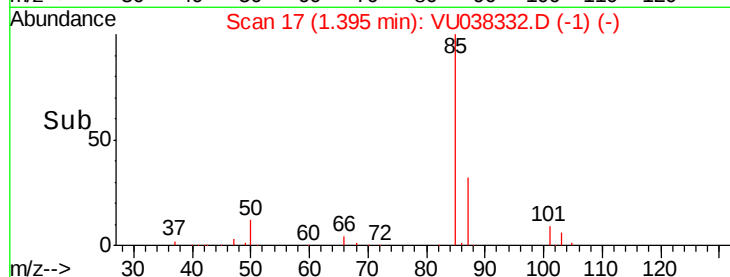
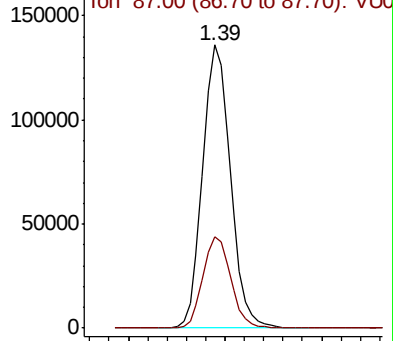
Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038332.D (-1) (-)



#3

Chloromethane

Concen: 3.859 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038332.D

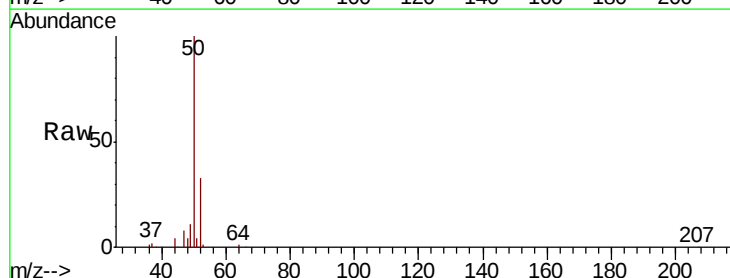
Acq: 27 May 2020 19:38

Tgt Ion: 50 Resp: 131407

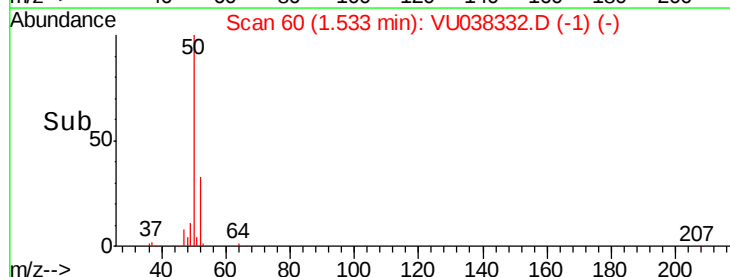
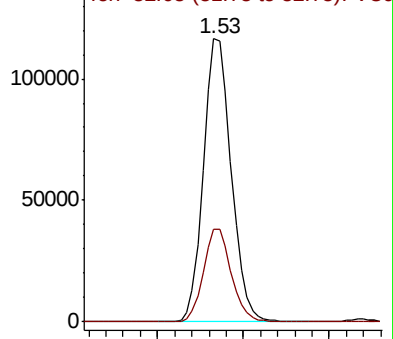
Ion Ratio Lower Upper

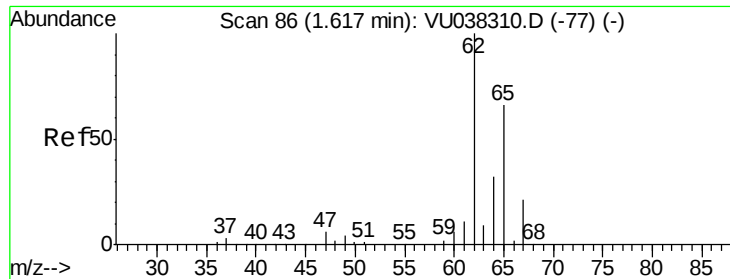
50 100

52 32.6 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038332.D (-1) (-)





#5

Vinyl chloride

Concen: 4.043 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

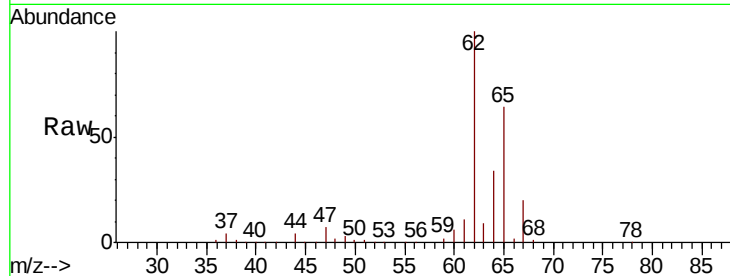
ClientSampled :

Tot Ion: 62 Resp: 134872

Ion Ratio Lower Upper

62 100

64 34.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

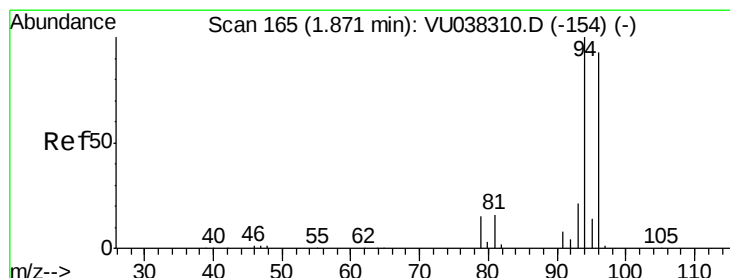
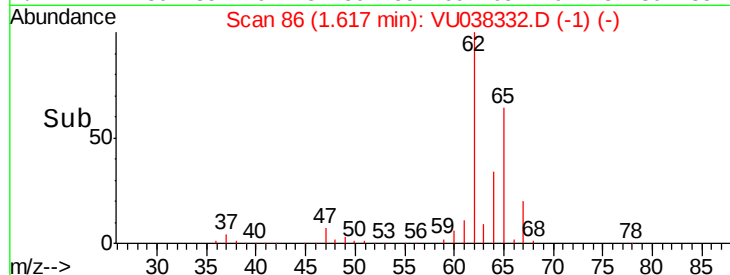
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 2.663 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU038332.D

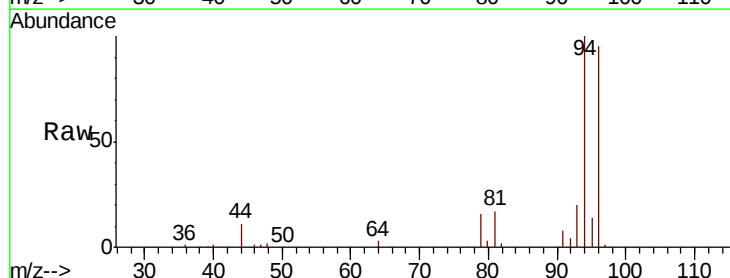
Acq: 27 May 2020 19:38

Tgt Ion: 94 Resp: 50576

Ion Ratio Lower Upper

94 100

96 94.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

40000

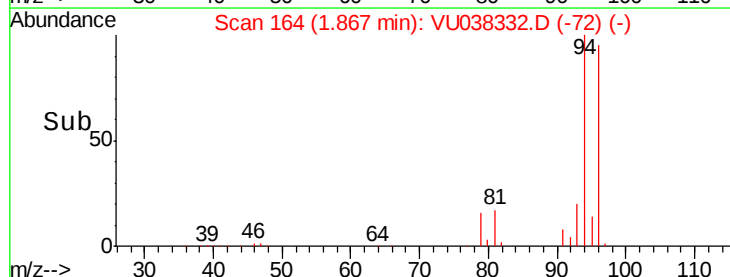
30000

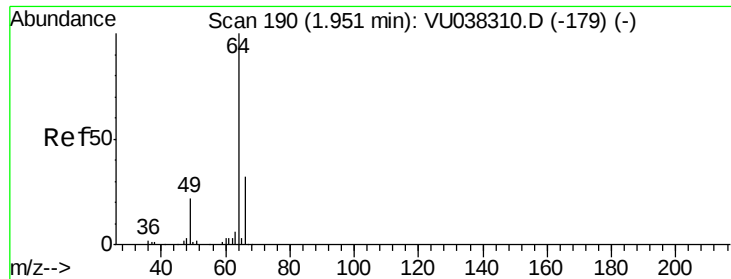
20000

10000

0

Time-->

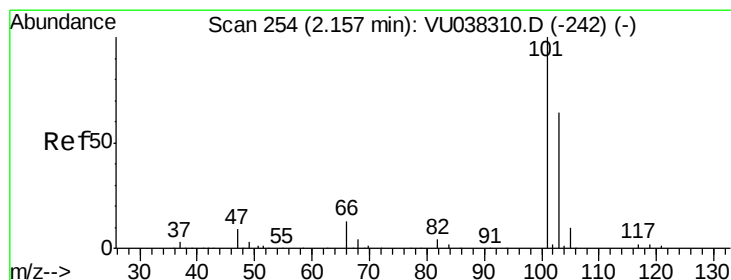
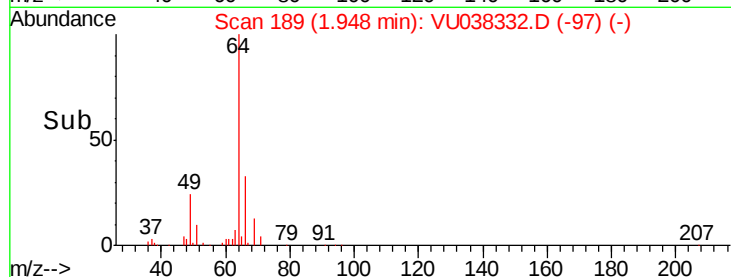
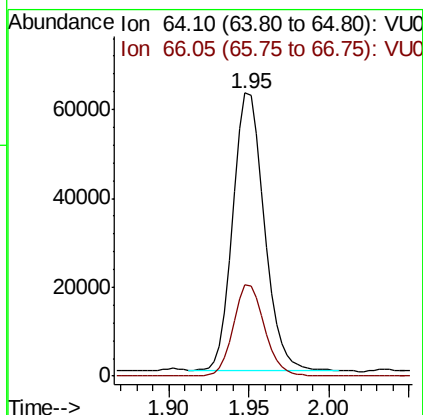
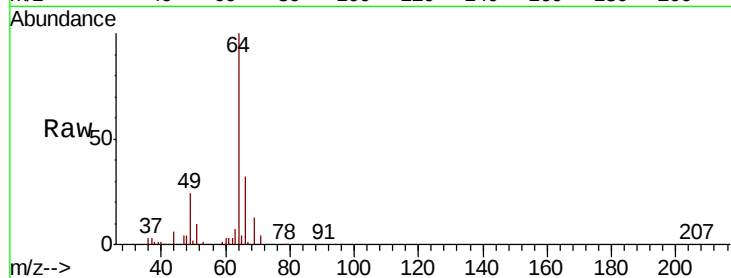




#8
Chloroethane
Concen: 4.026 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

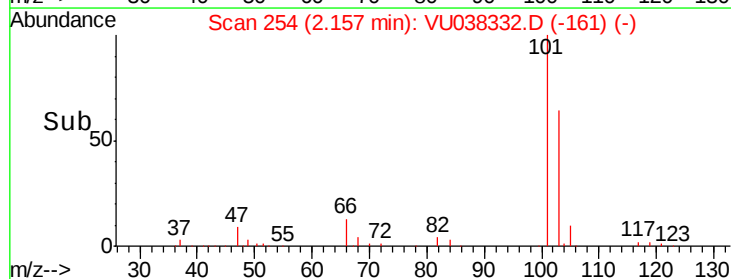
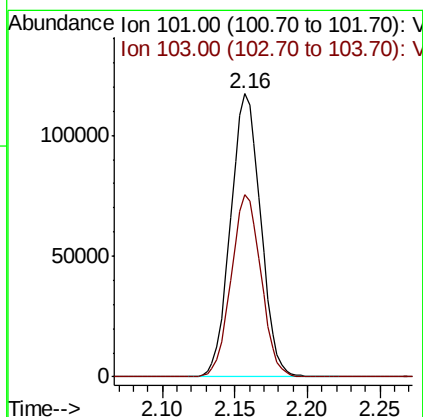
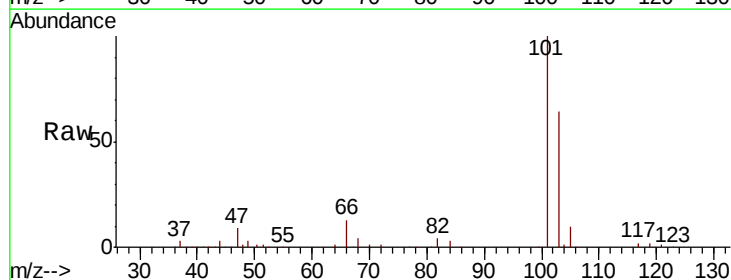
Instrument :
MSVOA_U
ClientSampleId :

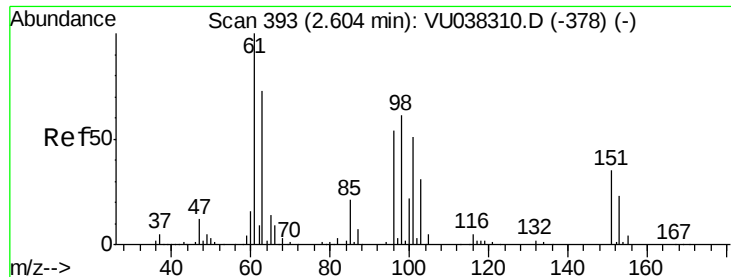
Tot Ion: 64 Resp: 82612
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.946 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion:101 Resp: 168713
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4





#10

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

Concen: 4.614 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampled :

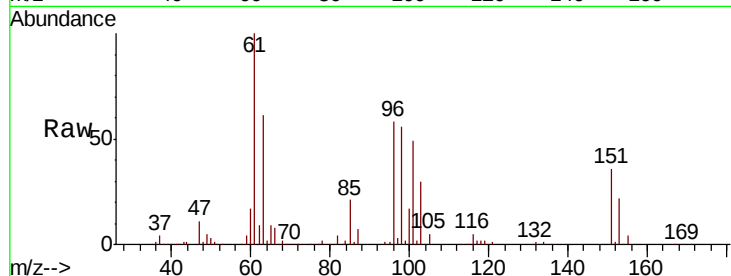
Tot Ion:101 Resp: 97585

Ion Ratio Lower Upper

101 100

85 43.5 35.3 52.9

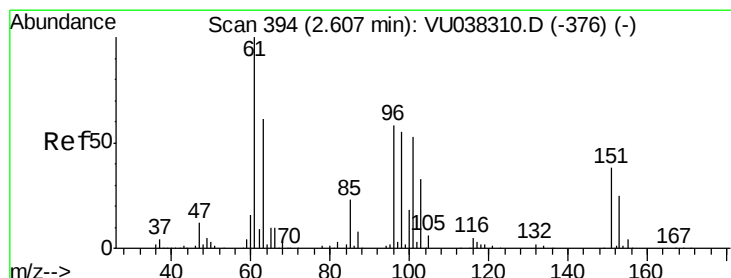
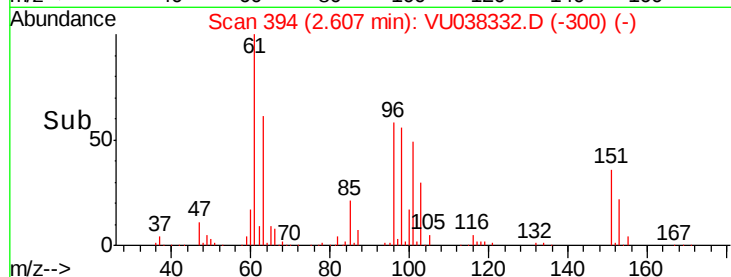
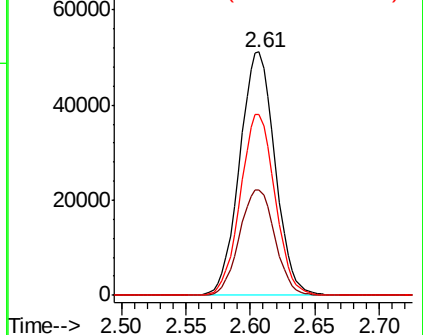
151 72.9 54.2 81.2



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: 4.792 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

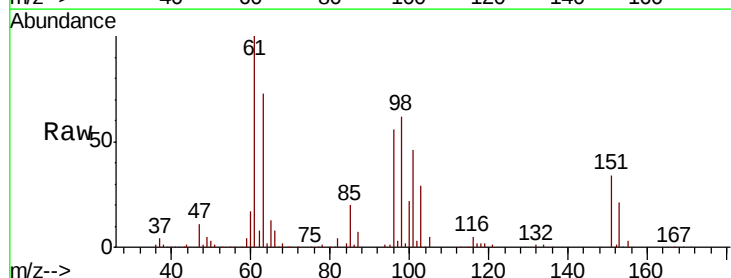
Tgt Ion: 96 Resp: 102729

Ion Ratio Lower Upper

96 100

61 178.6 126.2 234.4

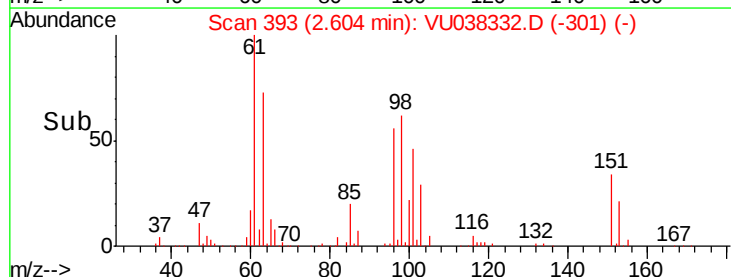
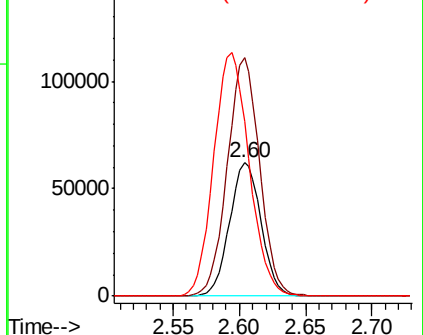
63 130.9 96.9 179.9

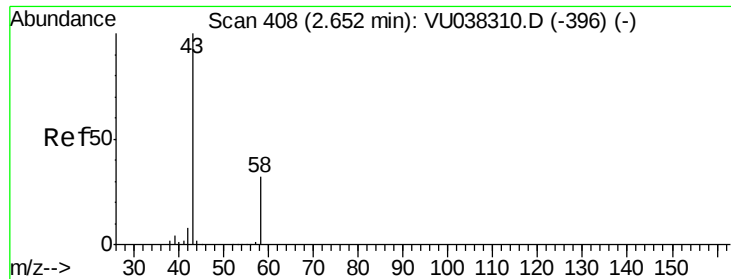


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.211 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

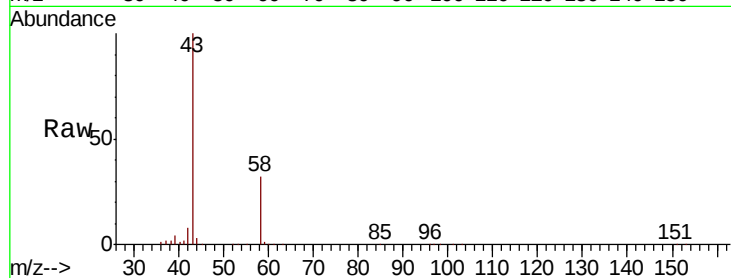
ClientSampled :

Tot Ion: 43 Resp: 206500

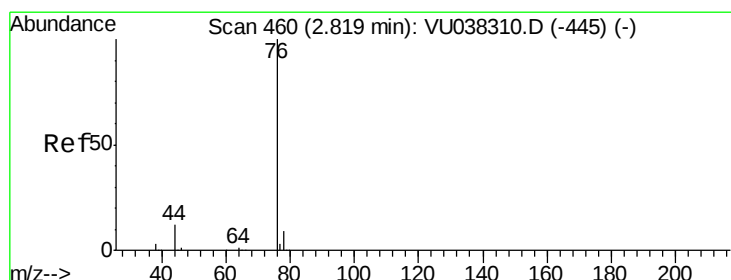
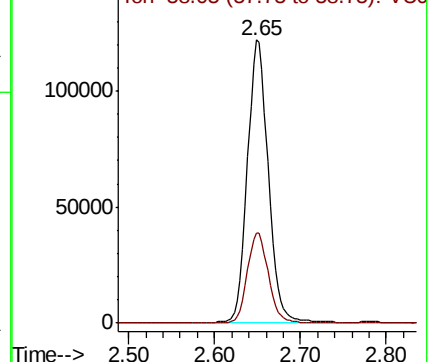
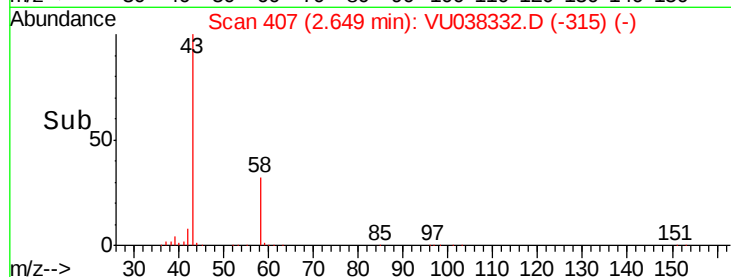
Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038332.D (-315) (-)



#14

Carbon disulfide

Concen: 4.473 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038332.D

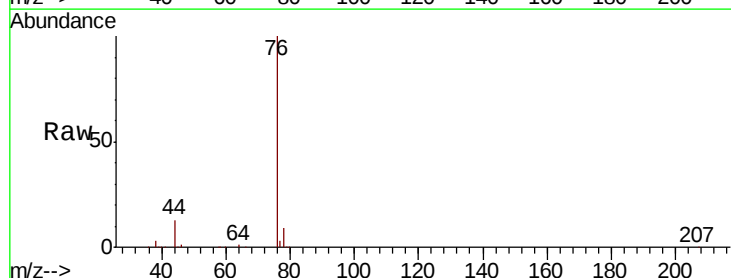
Acq: 27 May 2020 19:38

Tgt Ion: 76 Resp: 342038

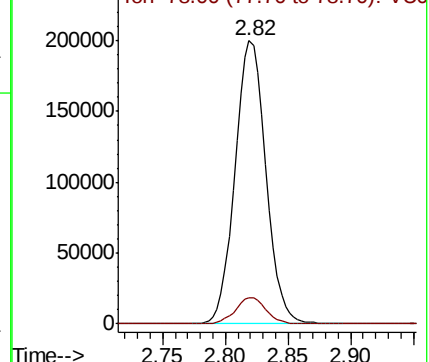
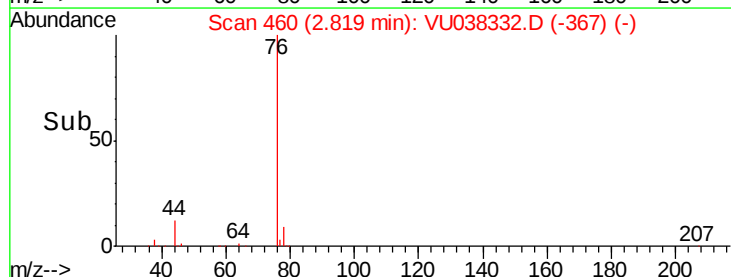
Ion Ratio Lower Upper

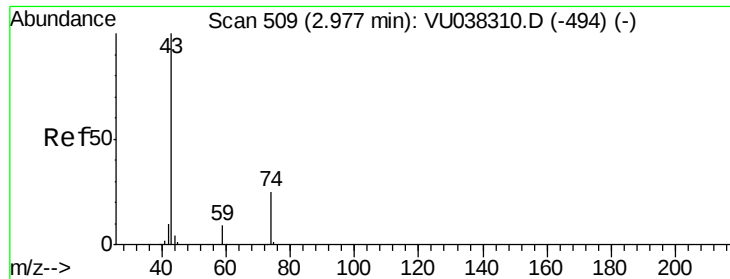
76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038332.D (-367) (-)

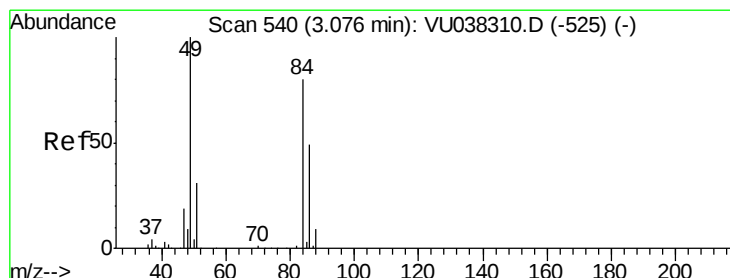
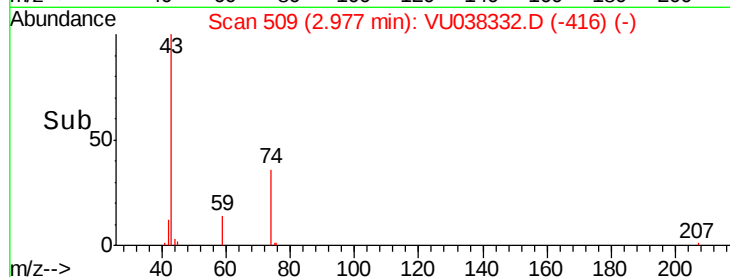
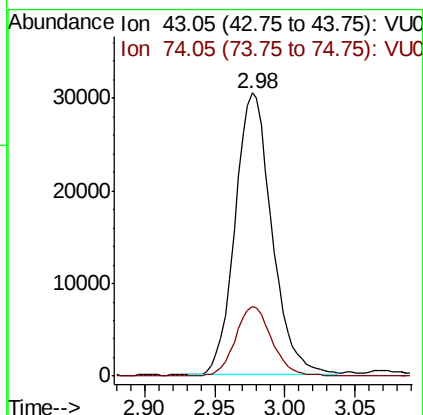
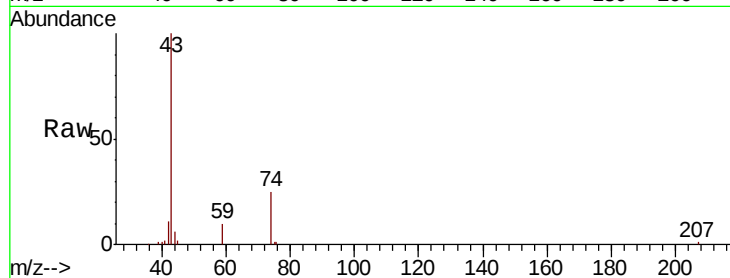




#15
Methvl Acetate
Concen: 4.543 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

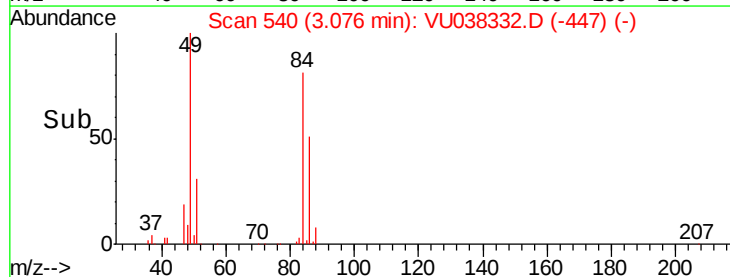
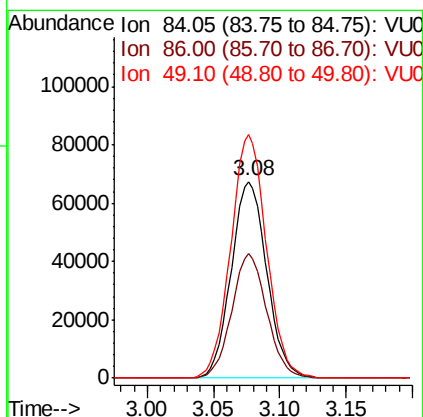
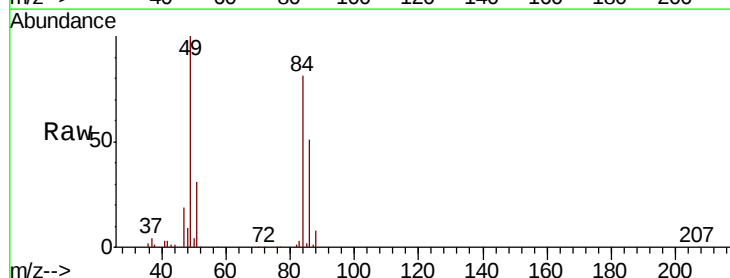
Instrument :
MSVOA_U
ClientSampleId :

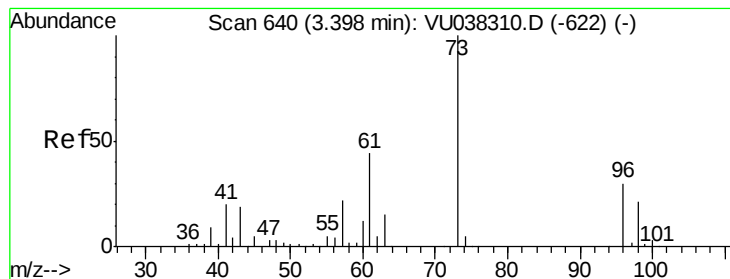
Tot Ion: 43 Resp: 55587
Ion Ratio Lower Upper
43 100
74 24.4 18.0 27.0



#16
Methylene chloride
Concen: 5.014 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion: 84 Resp: 125301
Ion Ratio Lower Upper
84 100
86 63.0 44.9 83.3
49 123.8 92.0 170.9



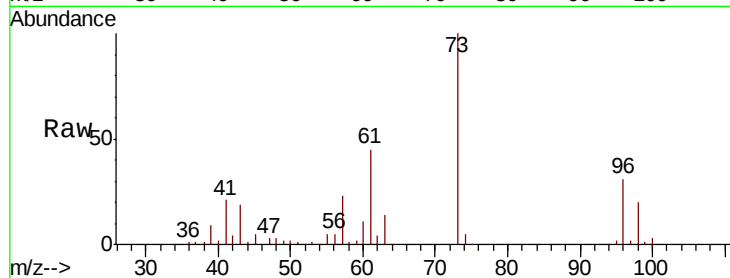


#17

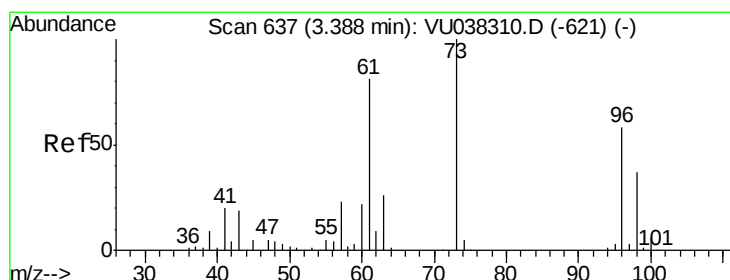
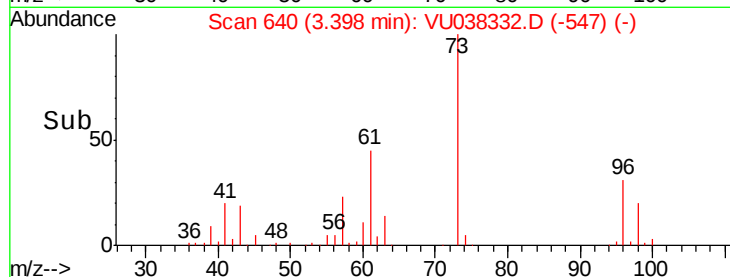
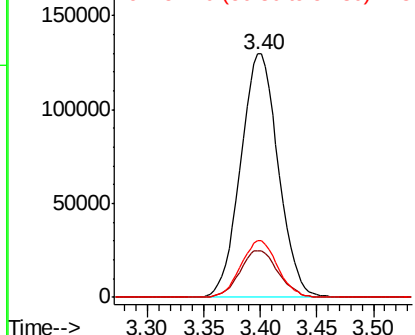
Methvl tert-butvl Ether
 Concen: 5.044 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 300443
 Ion Ratio Lower Upper
 73 100
 43 19.7 16.9 25.3
 57 22.7 18.2 27.2



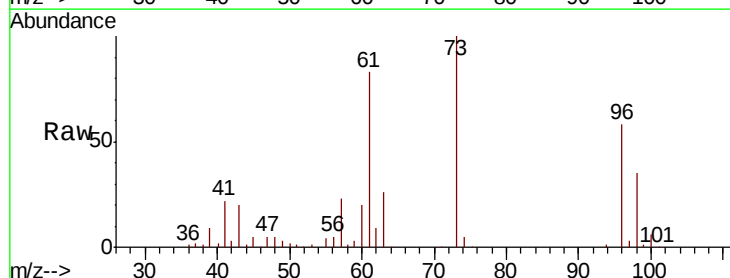
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



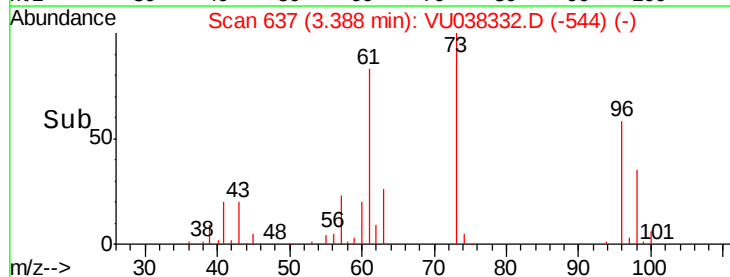
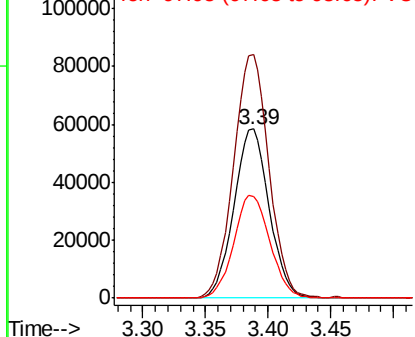
#18

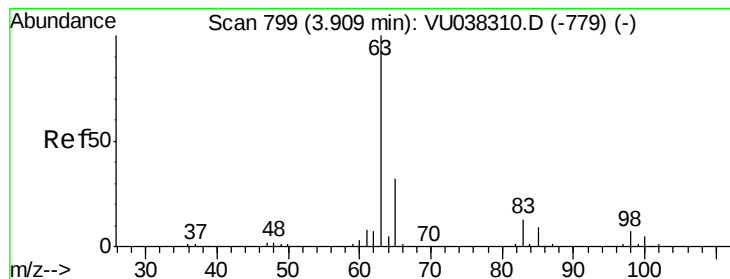
trans-1,2-Dichloroethene
 Concen: 4.868 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Tgt Ion: 96 Resp: 113927
 Ion Ratio Lower Upper
 96 100
 61 144.0 102.1 189.5
 98 60.0 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: 4.760 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

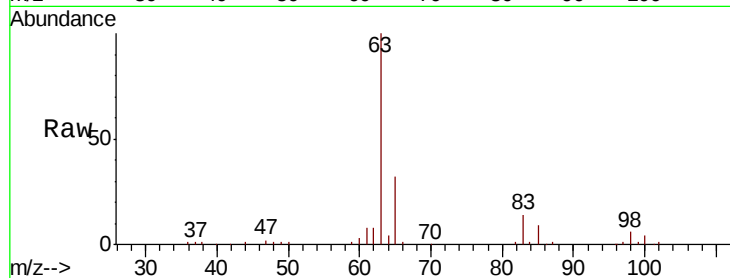
Tot Ion: 63 Resp: 217592

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

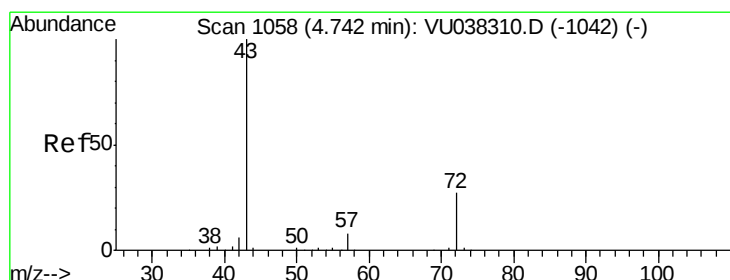
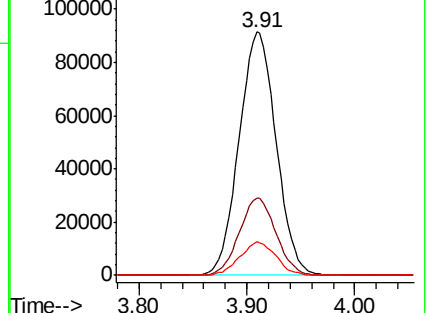
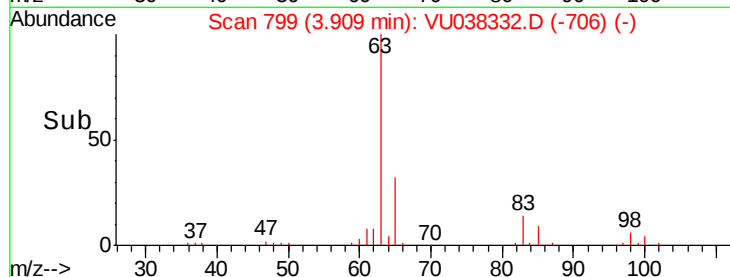
83 13.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038332.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038332.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038332.D (-706) (-)



#21

2-Butanone

Concen: 47.534 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU038332.D

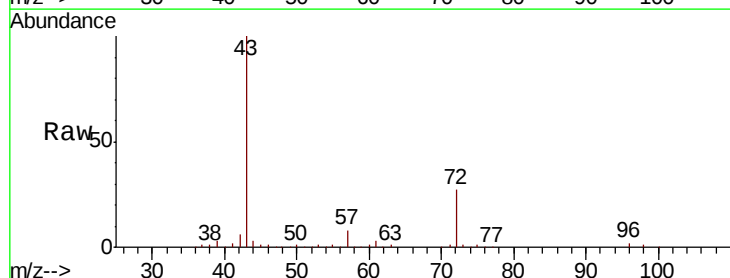
Acq: 27 May 2020 19:38

Tgt Ion: 43 Resp: 366978

Ion Ratio Lower Upper

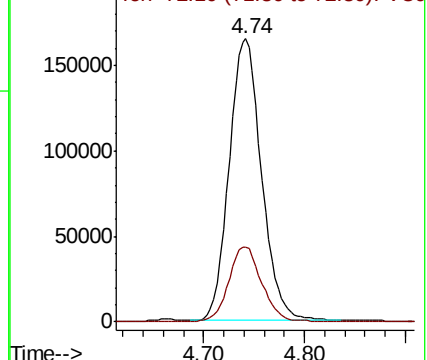
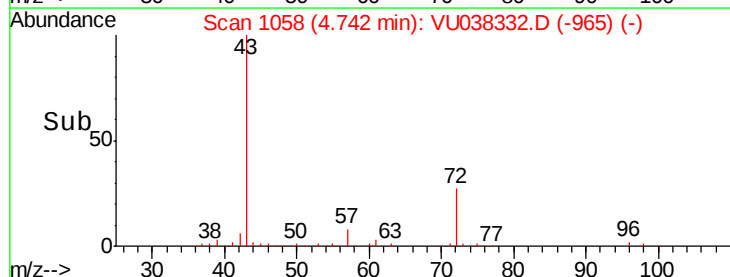
43 100

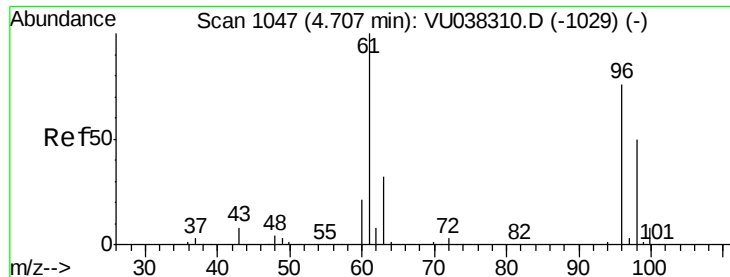
72 26.8 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038332.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU038332.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.003 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

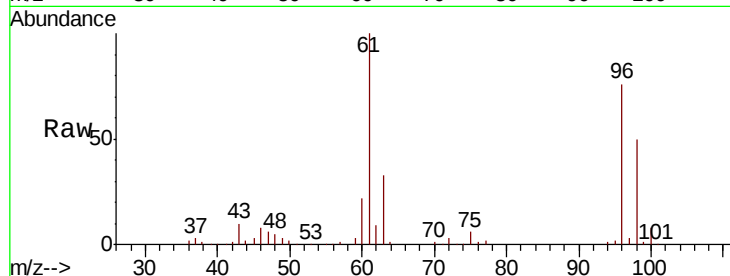
Tot Ion: 96 Resp: 126195

Ion Ratio Lower Upper

96 100

61 132.0 95.3 176.9

68 0.0 0.0 0.0

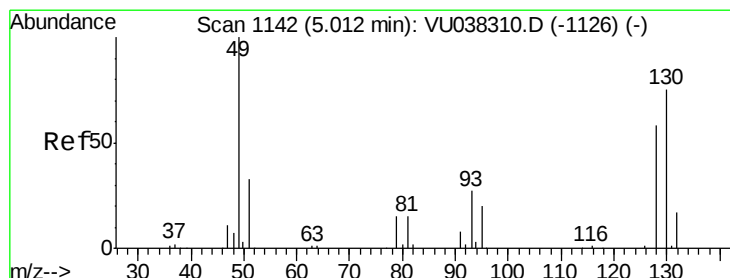
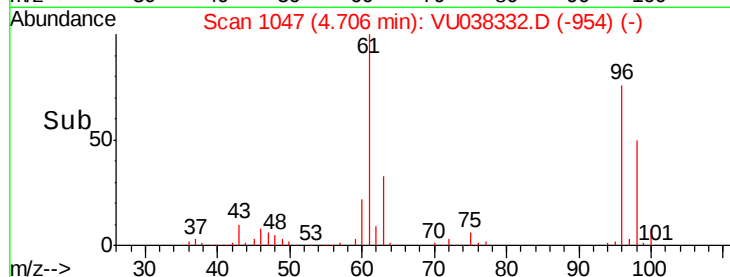
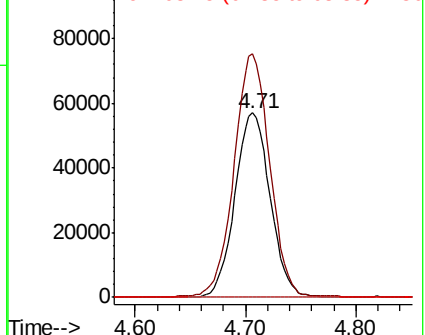


Abundance

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: 5.210 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Tgt Ion: 128 Resp: 56553

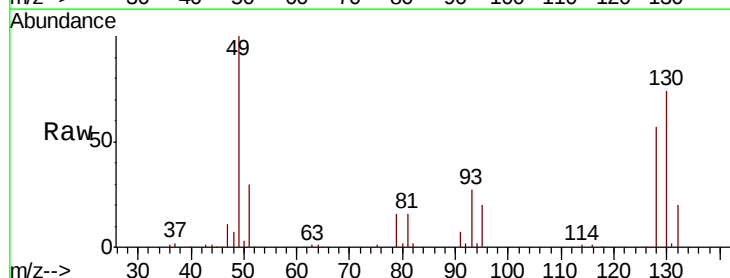
Ion Ratio Lower Upper

128 100

49 174.2 135.6 251.8

130 128.7 91.4 169.8

51 52.8 49.6 74.4



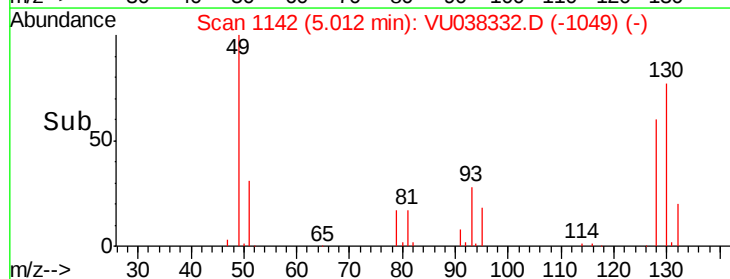
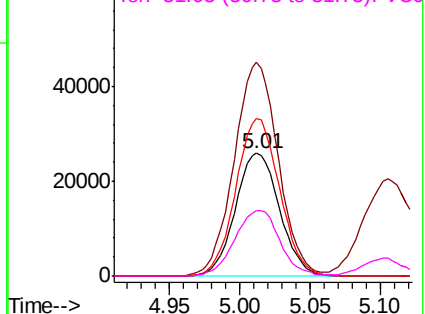
Abundance

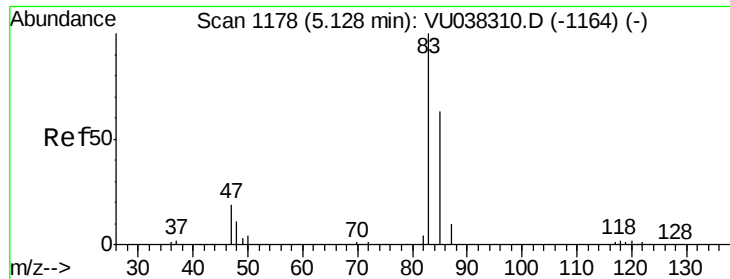
Ion 127.90 (127.60 to 128.60): V

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

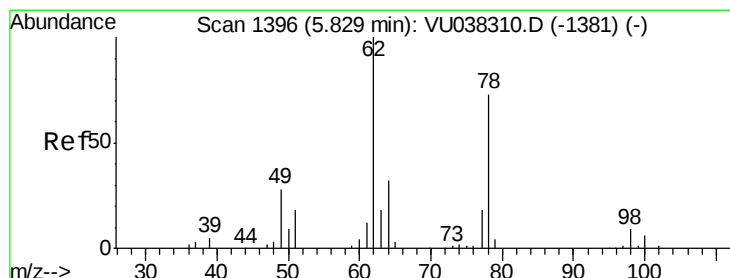
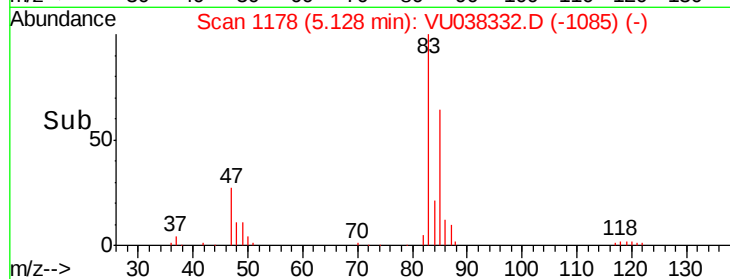
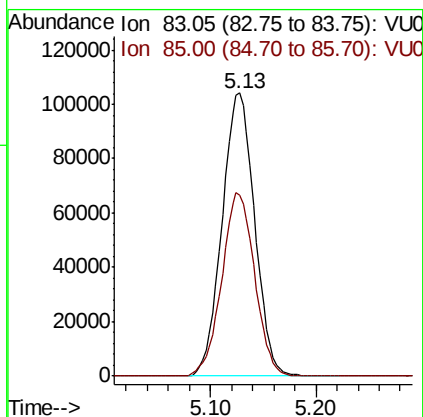
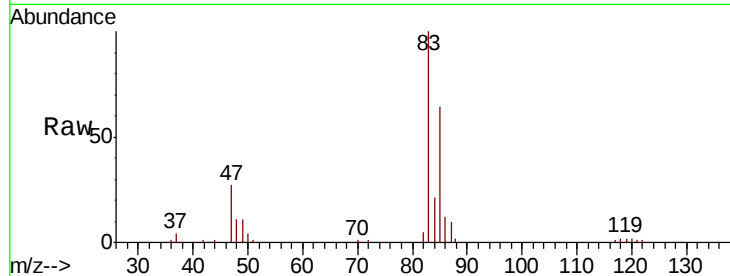




#25
Chloroform
Concen: 5.213 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

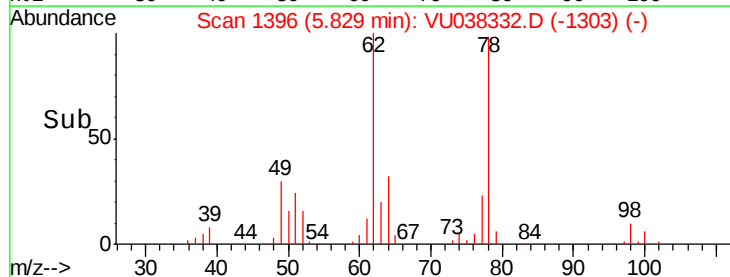
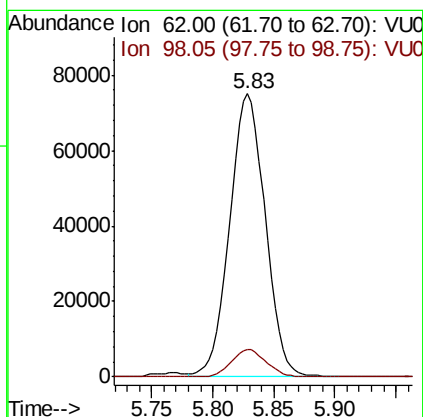
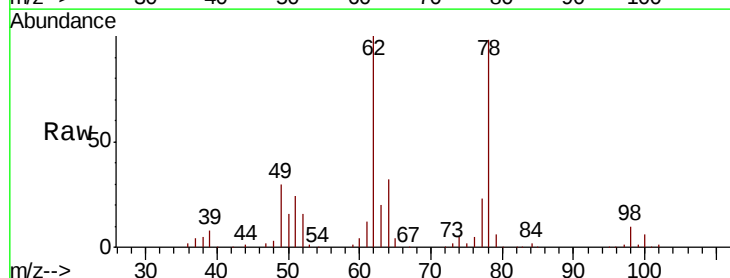
Instrument :
MSVOA_U
ClientSampled :

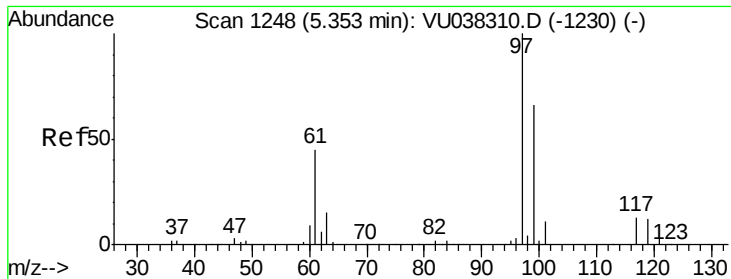
Tot Ion: 83 Resp: 222284
Ion Ratio Lower Upper
83 100
85 64.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.019 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion: 62 Resp: 151075
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

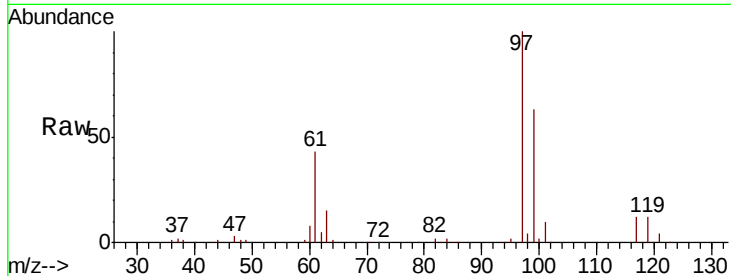




#29
 1,1,1-Trichloroethane
 Concen: 5.339 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	44.0	38.2	57.4

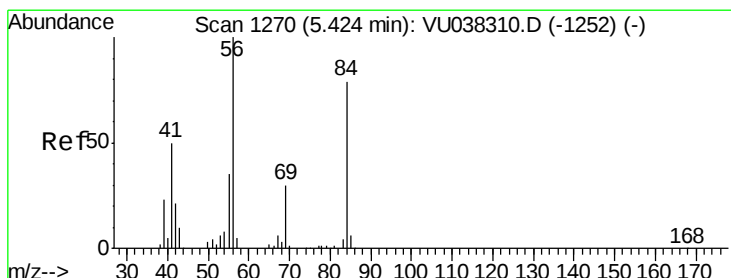
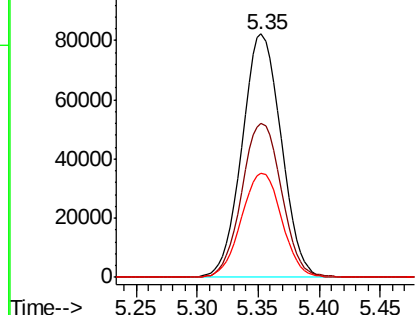
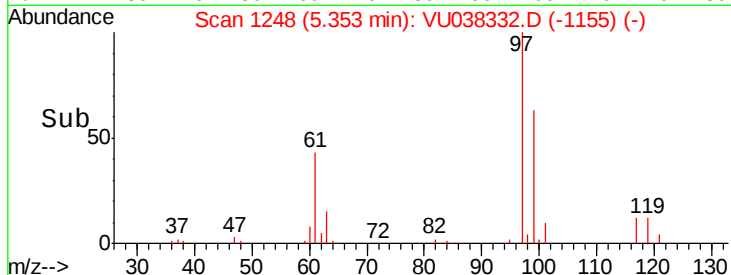


Abundance

Ion 96.95 (96.65 to 97.65): VU0

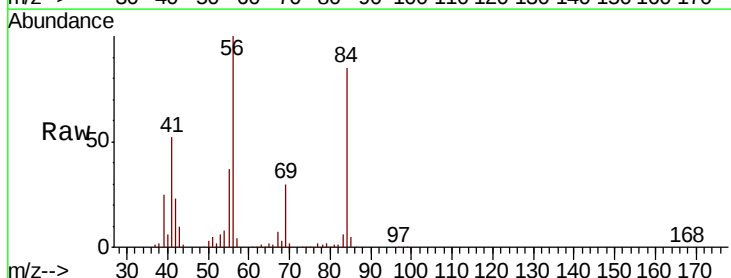
Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30
 Cyclohexane
 Concen: 4.377 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.4
84	86.0	68.5	102.7

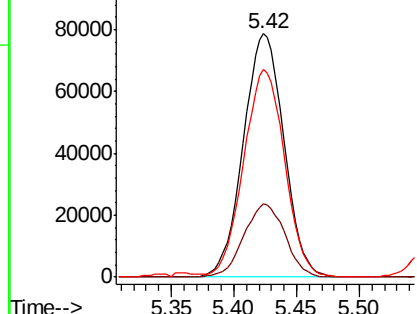
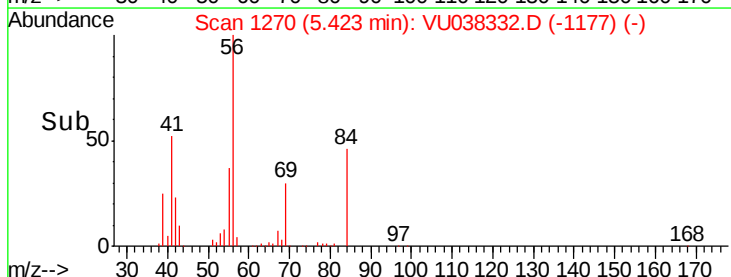


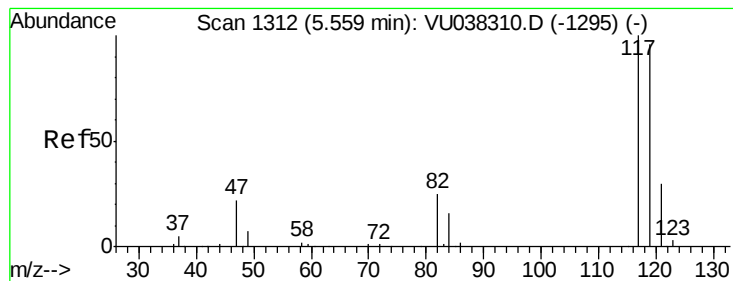
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.282 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

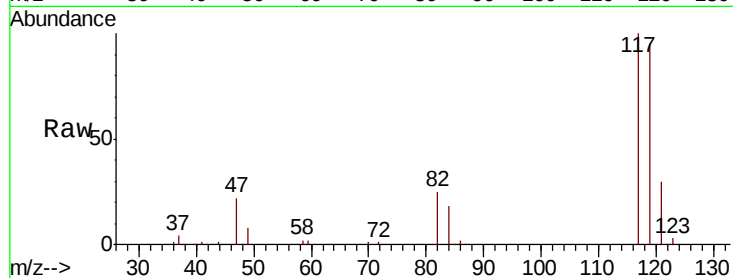
ClientSampleId :

Tot Ion:117 Resp: 145414

Ion Ratio Lower Upper

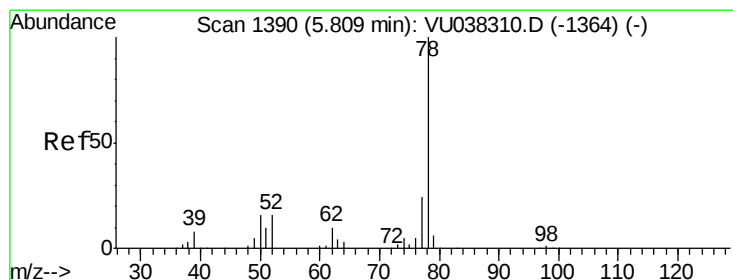
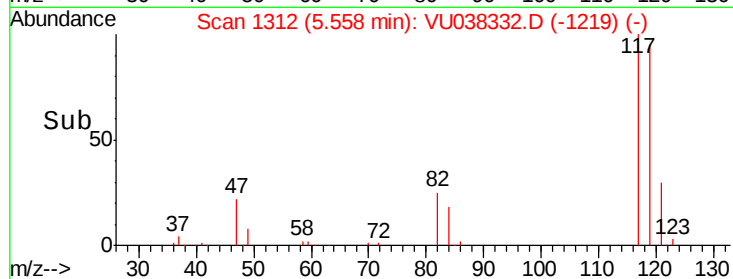
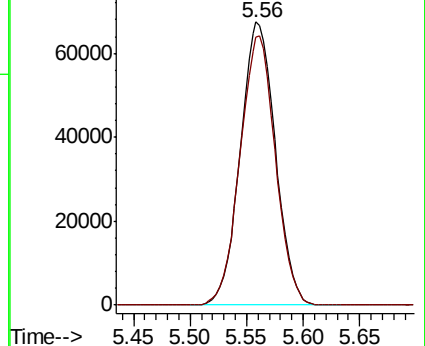
117 100

119 96.0 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: 5.054 ug/L

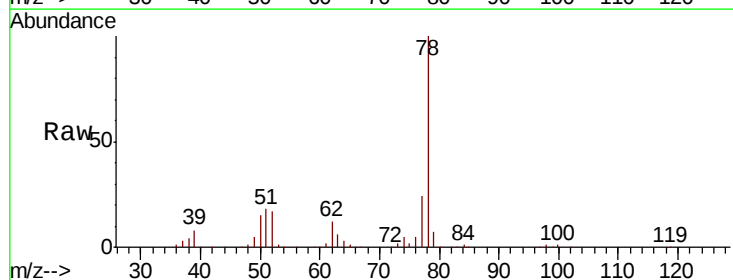
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

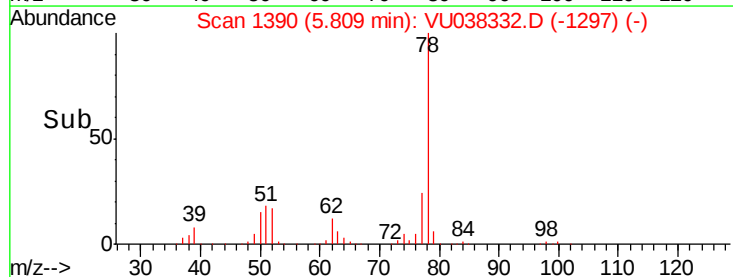
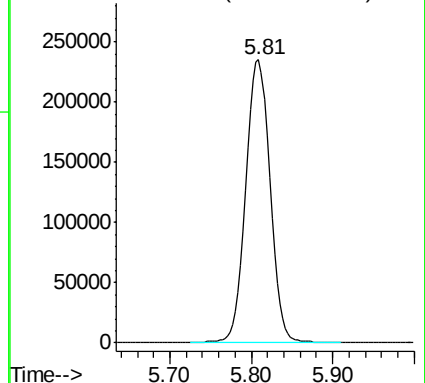
Lab File: VU038332.D

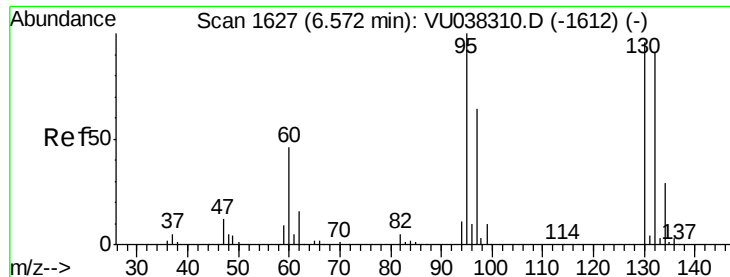
Acq: 27 May 2020 19:38

Tgt Ion: 78 Resp: 483862



Abundance Ion 78.10 (77.80 to 78.80): VU0

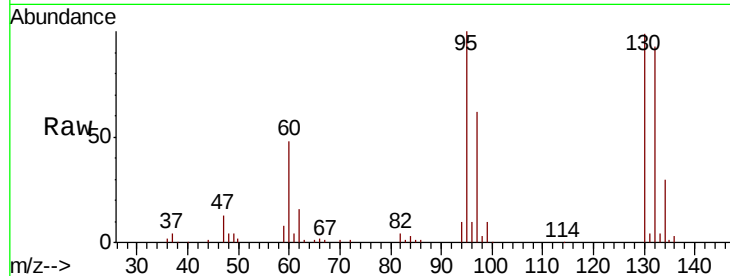




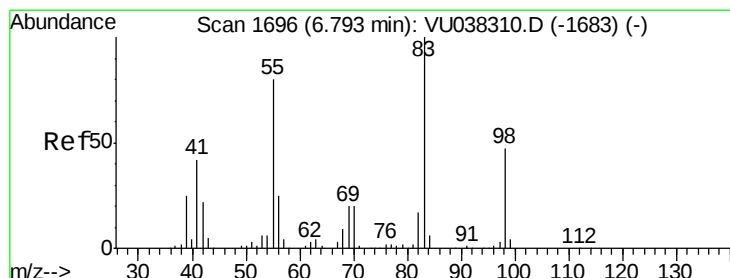
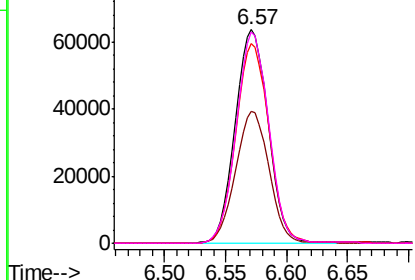
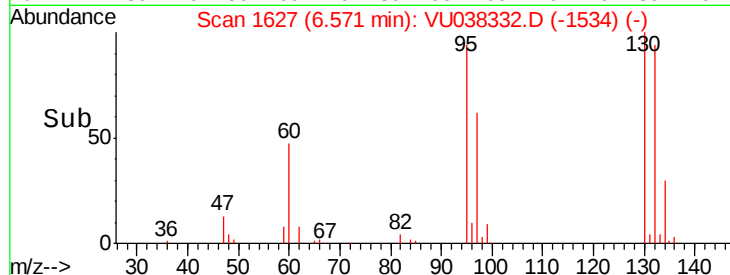
#34
 Trichloroethene
 Concen: 4.988 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 119431
 Ion Ratio Lower Upper
 95 100
 97 61.8 44.9 83.3
 132 93.3 63.3 117.5
 130 99.1 65.7 122.1

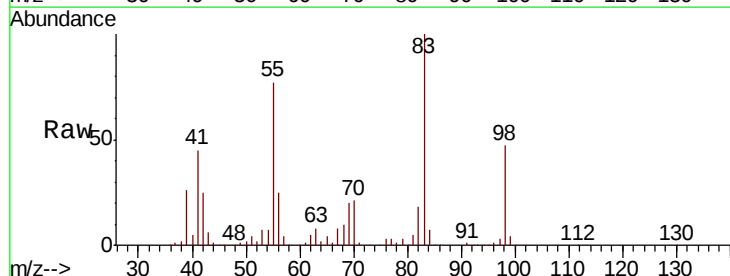


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

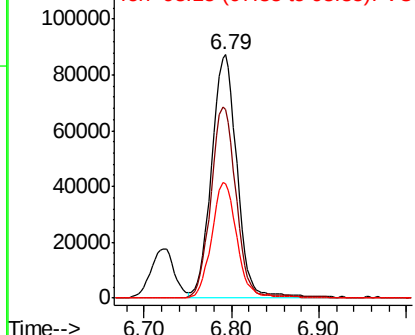
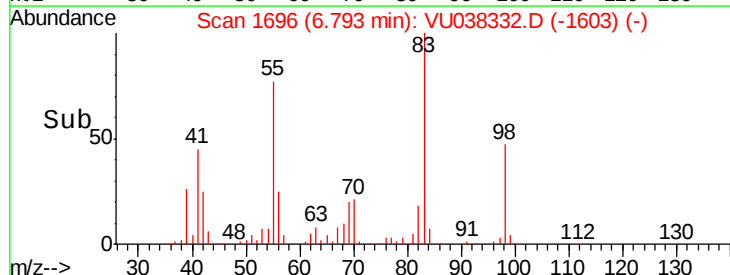


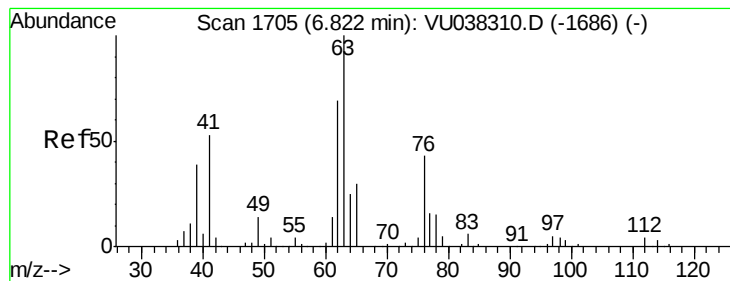
#35
 Methylcyclohexane
 Concen: 4.517 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Tgt Ion: 83 Resp: 175216
 Ion Ratio Lower Upper
 83 100
 55 78.0 66.7 100.1
 98 46.7 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: 4.810 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

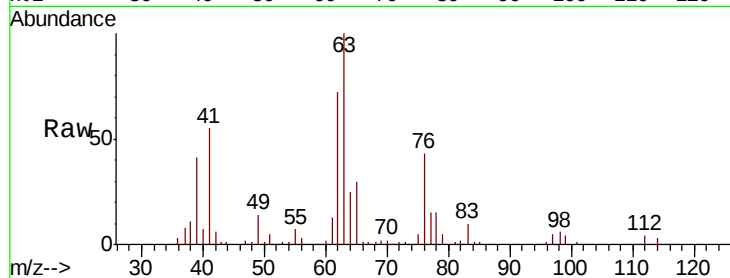
ClientSampleId :

Tot Ion: 63 Resp: 125076

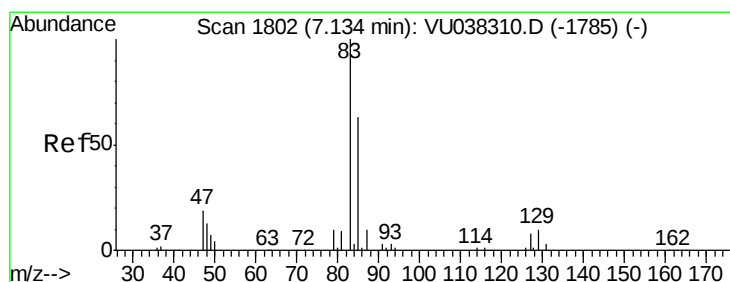
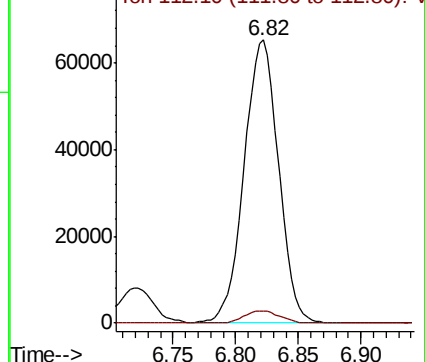
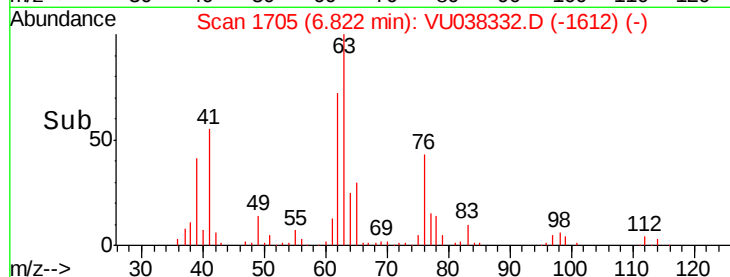
Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038332.D (-1612) (-)



#38

Bromodichloromethane

Concen: 5.161 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

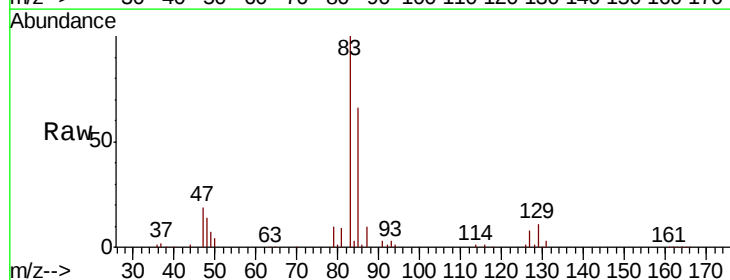
Tgt Ion: 83 Resp: 155153

Ion Ratio Lower Upper

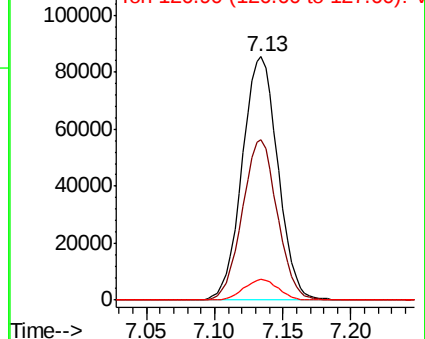
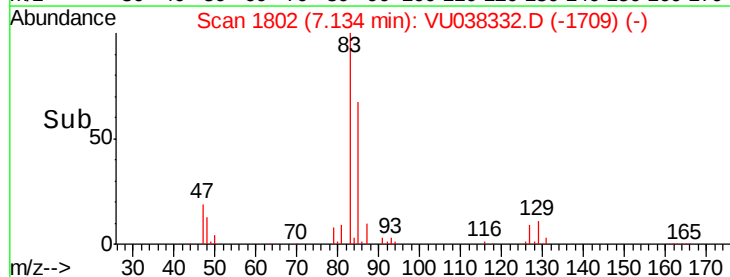
83 100

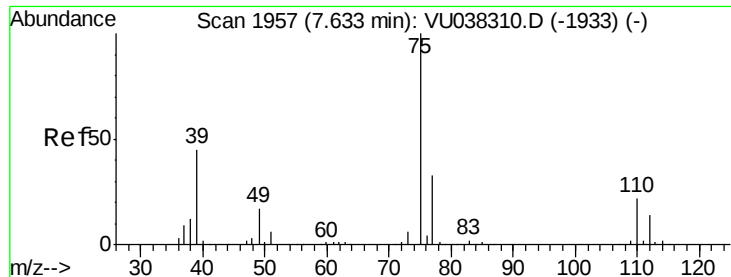
85 66.1 44.6 82.8

127 8.4 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038332.D (-1709) (-)

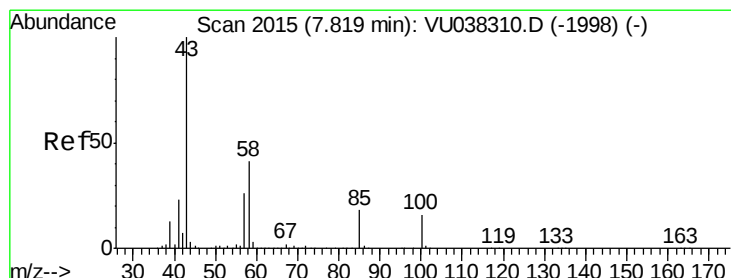
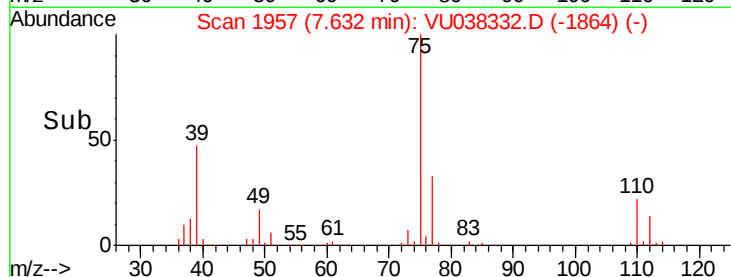
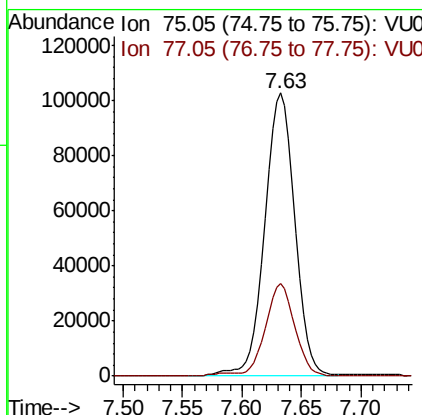
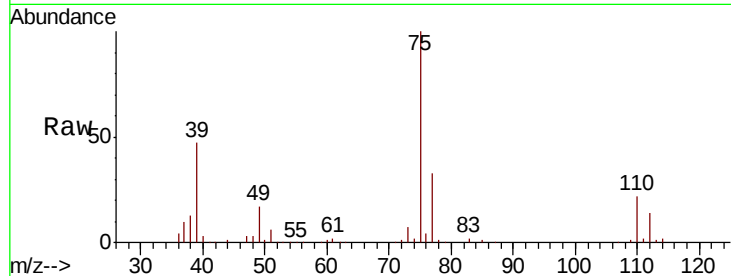




#39
 cis-1,3-Dichloropropene
 Concen: 4.855 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

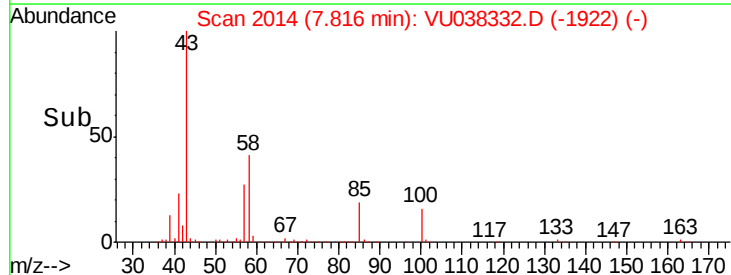
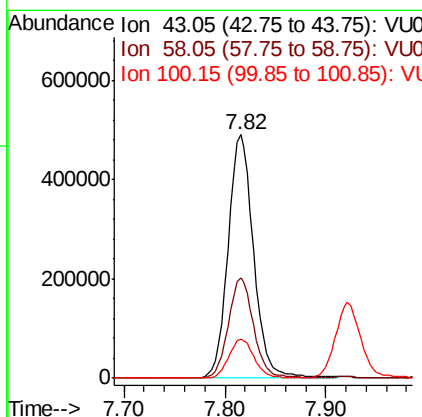
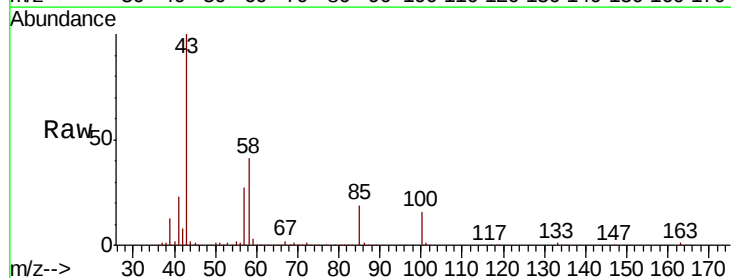
Instrument :
 MSVOA_U
 ClientSampled :

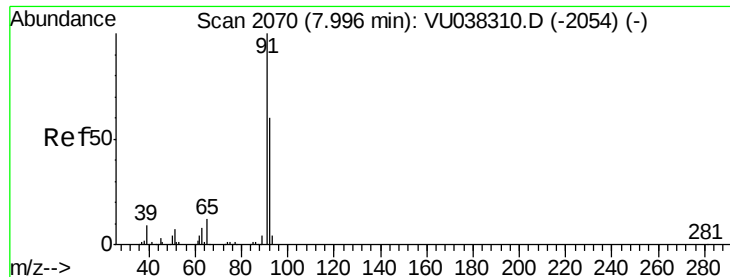
Tot Ion: 75 Resp: 180699
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 48.099 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Tgt Ion: 43 Resp: 866921
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4
 100 16.0 12.1 18.1





#42

Toluene

Concen: 4.959 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

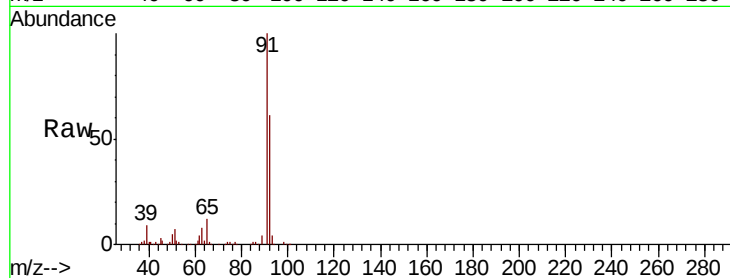
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 501231

Ion Ratio Lower Upper

91 100

92 60.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038310.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038310.D (-2054) (-)

7.99

300000

250000

200000

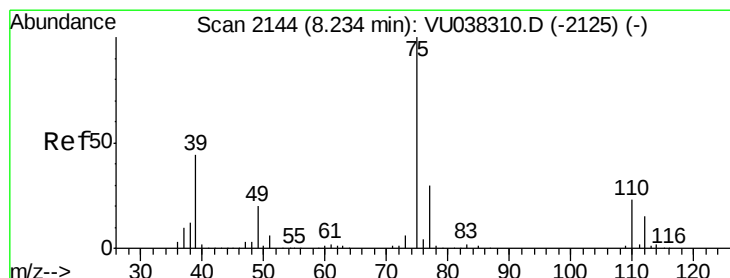
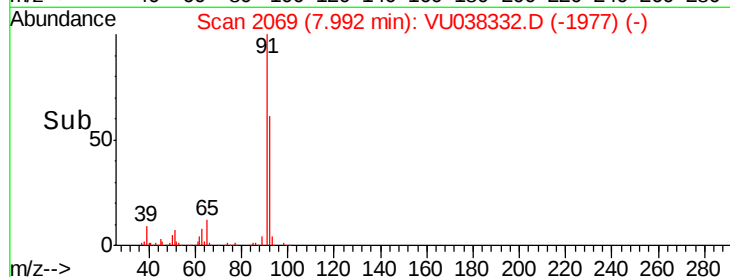
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.989 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038332.D

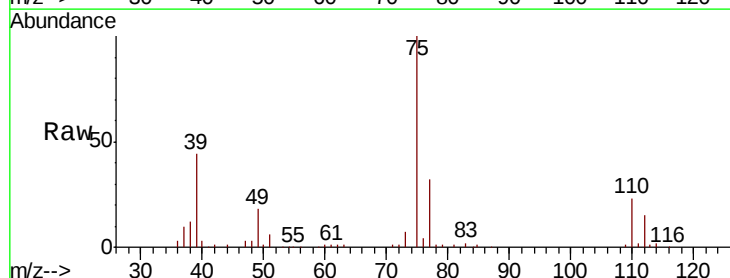
Acq: 27 May 2020 19:38

Tgt Ion: 75 Resp: 157885

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038310.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038310.D (-2125) (-)

8.23

100000

80000

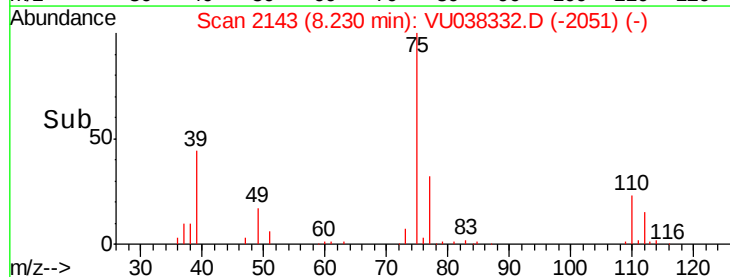
60000

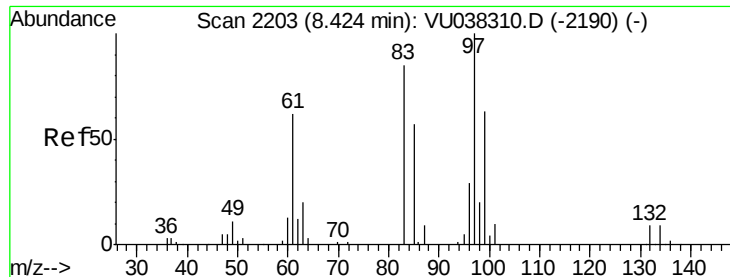
40000

20000

0

Time-->

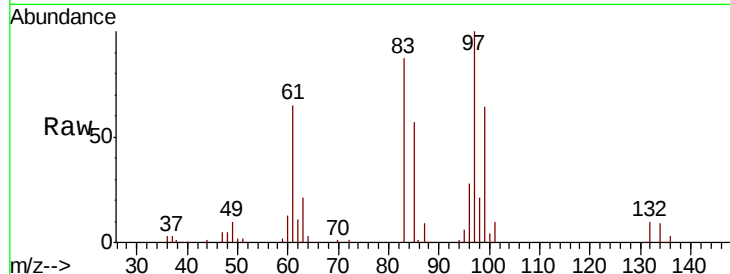




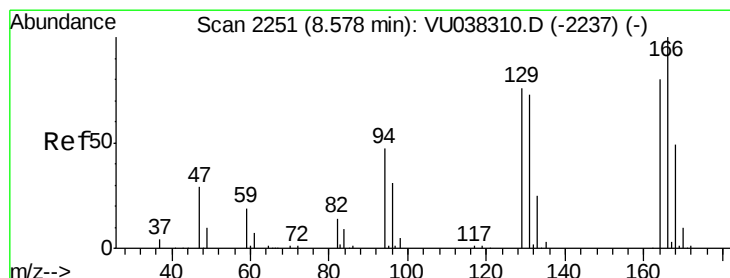
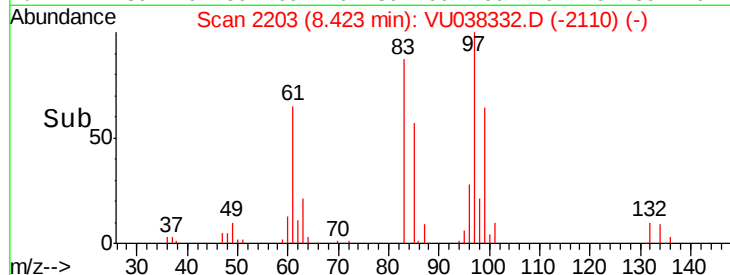
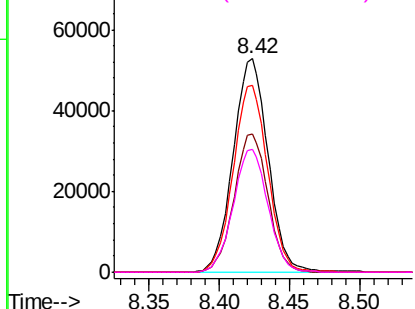
#45
1,1,2-Trichloroethane
Concen: 5.078 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	91705
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.0	81.6
83	87.3	59.6	110.8
85	57.4	41.3	76.7

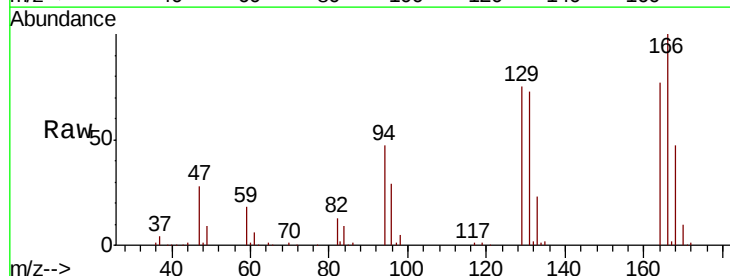


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

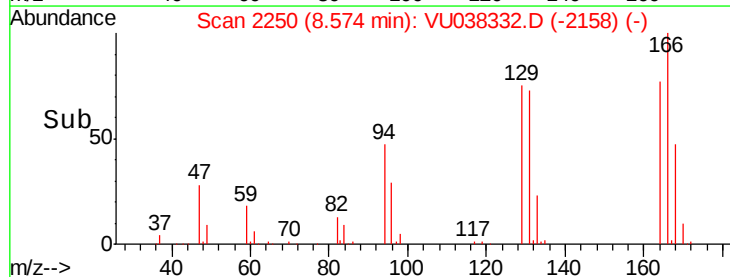
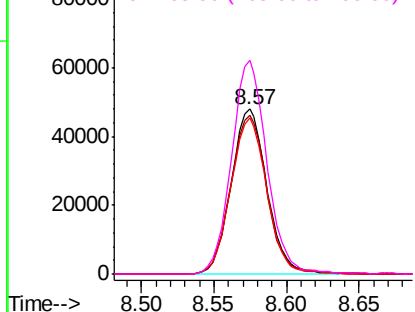


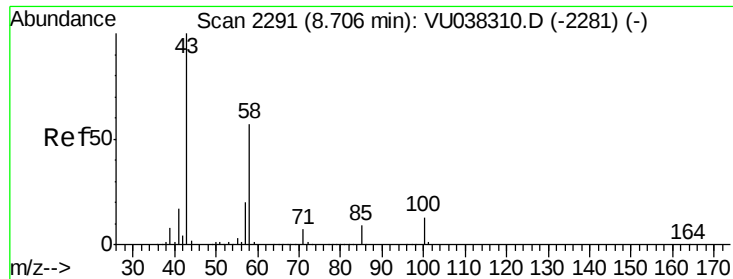
#47
Tetrachloroethene
Concen: 4.905 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion:	164	Resp:	82159
Ion	Ratio	Lower	Upper
164	100		
129	96.5	68.8	127.8
131	94.5	66.8	124.2
166	129.4	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

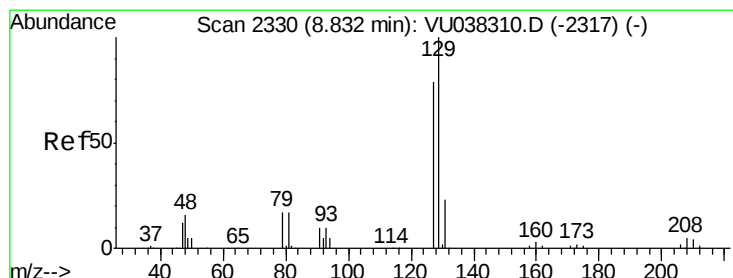
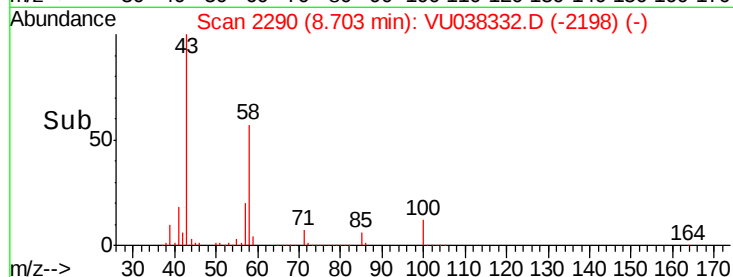
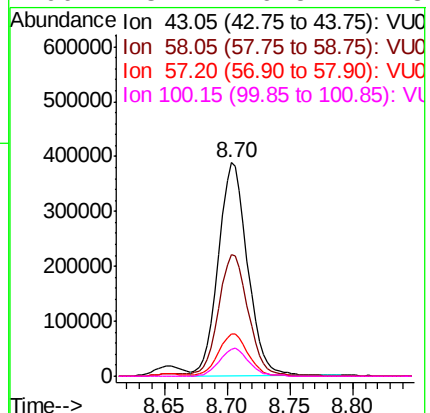
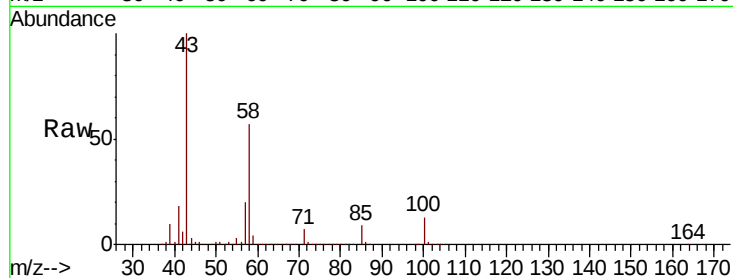




#48
2-Hexanone
Concen: 47.624 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

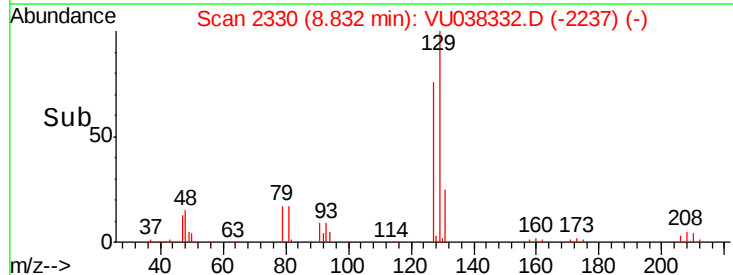
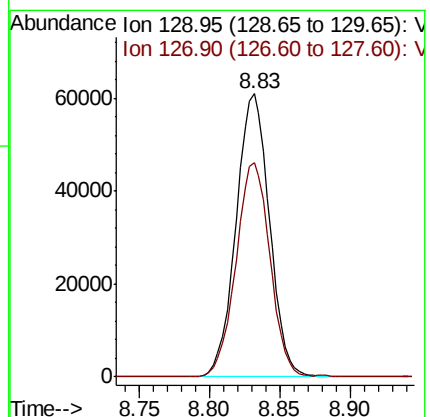
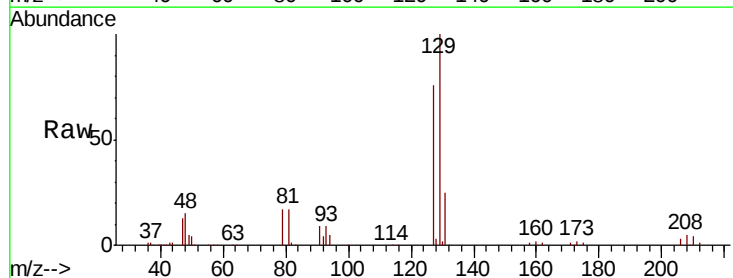
Instrument :
MSVOA_U
ClientSampled :

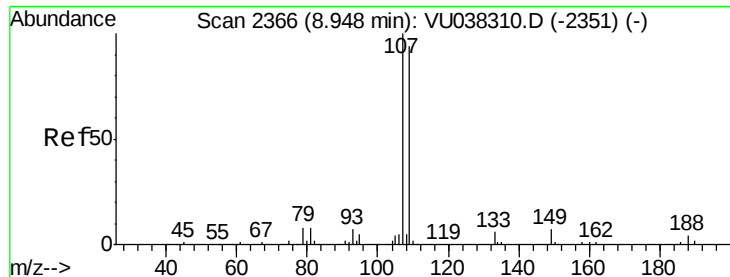
Tot Ion: 43 Resp: 628611
Ion Ratio Lower Upper
43 100
58 58.8 45.2 67.8
57 20.4 15.5 23.3
100 13.1 9.5 14.3



#49
Dibromochloromethane
Concen: 5.405 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion: 129 Resp: 101293
Ion Ratio Lower Upper
129 100
127 75.6 55.6 103.4

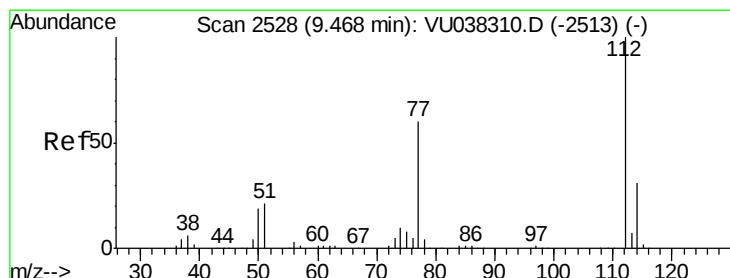
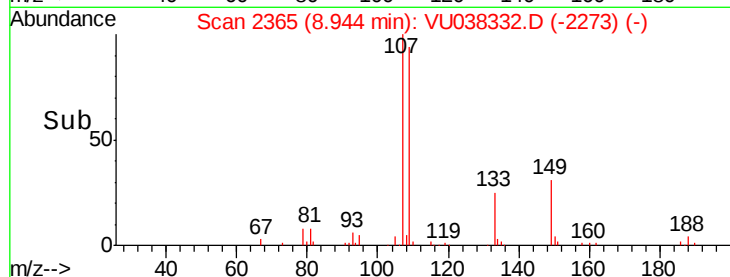
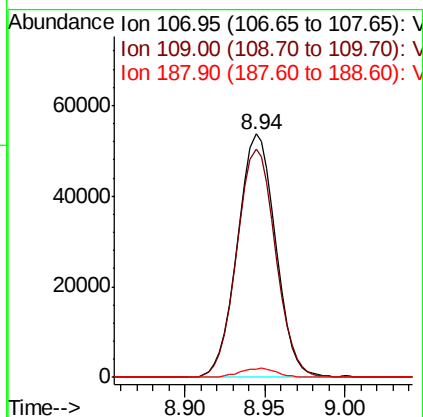
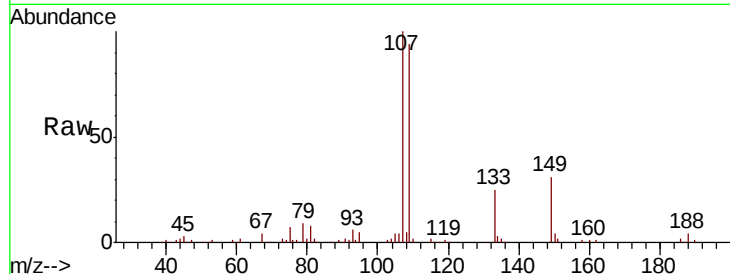




#50
1,2-Dibromoethane
Concen: 5.208 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

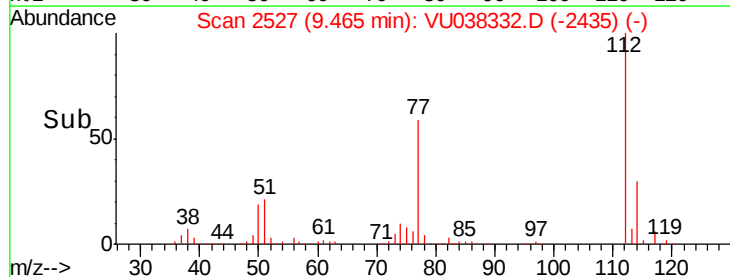
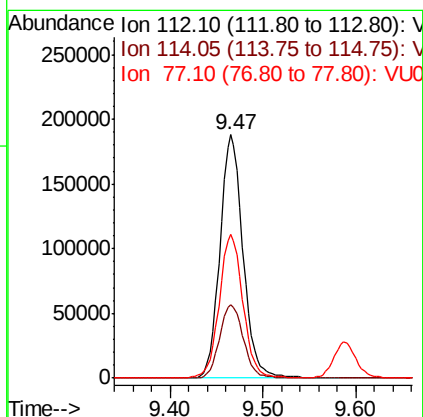
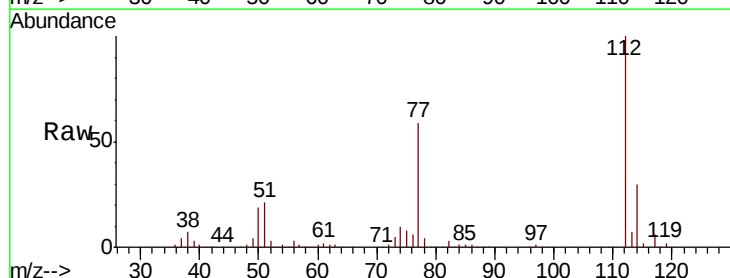
Instrument :
MSVOA_U
ClientSampleId :

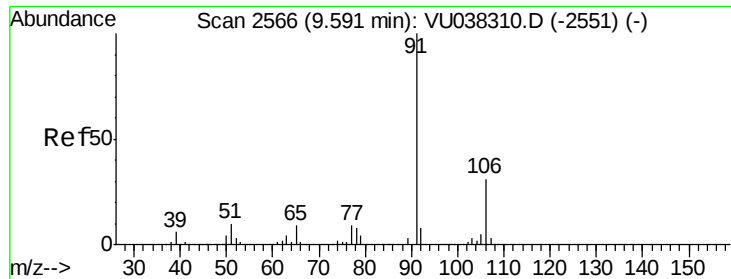
Tot Ion:107 Resp: 87281
Ion Ratio Lower Upper
107 100
109 93.8 65.1 120.9
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.147 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038332.D
Acq: 27 May 2020 19:38

Tgt Ion:112 Resp: 322838
Ion Ratio Lower Upper
112 100
114 30.1 22.5 41.7
77 58.9 49.9 74.9





#52

Ethylbenzene

Concen: 4.972 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

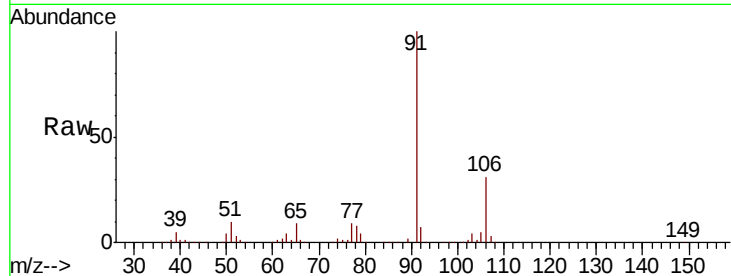
ClientSampled :

Tot Ion: 91 Resp: 544380

Ion Ratio Lower Upper

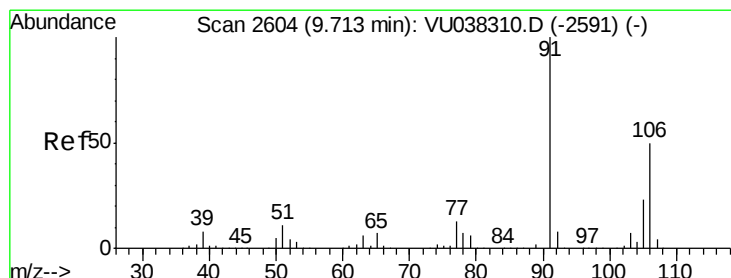
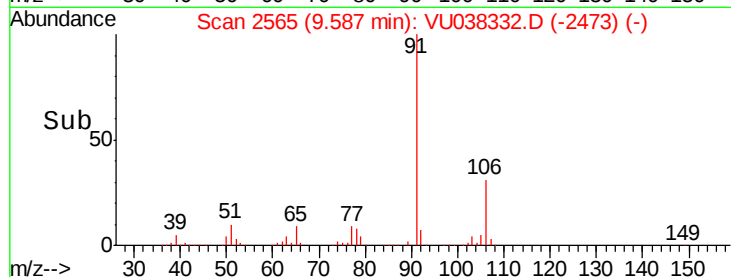
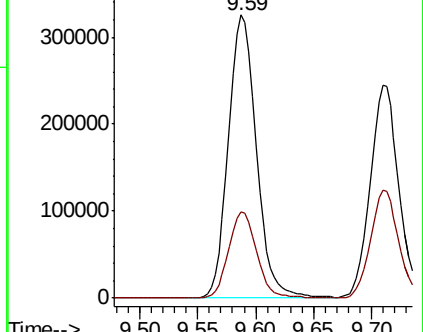
91 100

106 30.6 21.8 40.4



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

Ion 106.15 (105.85 to 106.85): VU038310.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.064 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038332.D

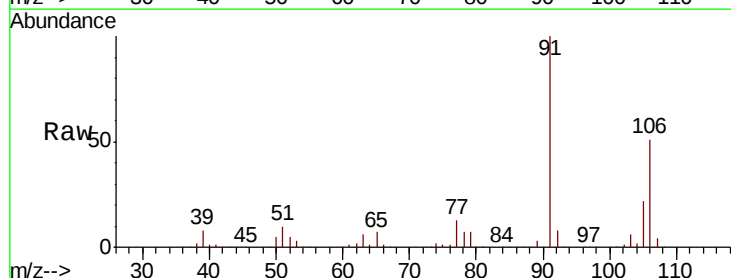
Acq: 27 May 2020 19:38

Tgt Ion:106 Resp: 212600

Ion Ratio Lower Upper

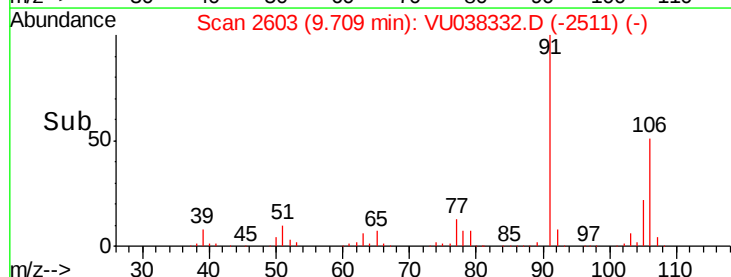
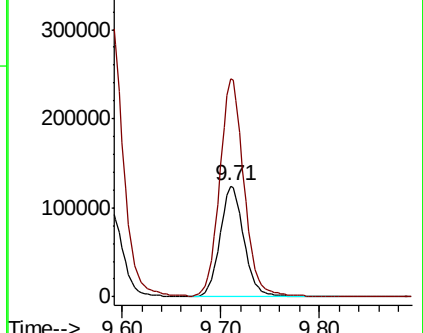
106 100

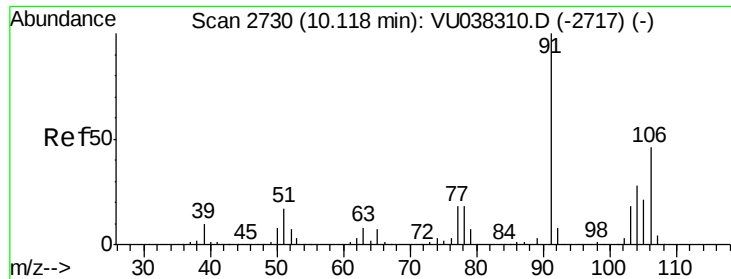
91 196.8 142.1 263.9



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

Ion 91.15 (90.85 to 91.85): VU038310.D (-2591) (-)





#54

o-Xylene

Concen: 5.091 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

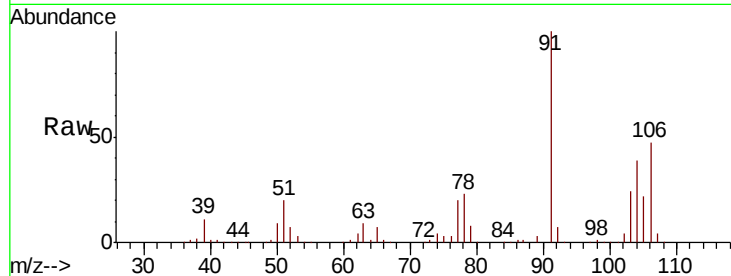
ClientSampled :

Tot Ion:106 Resp: 206654

Ion Ratio Lower Upper

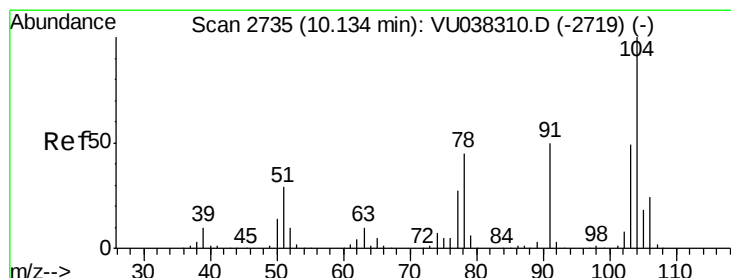
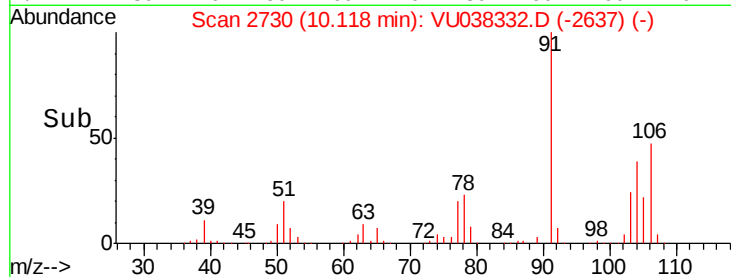
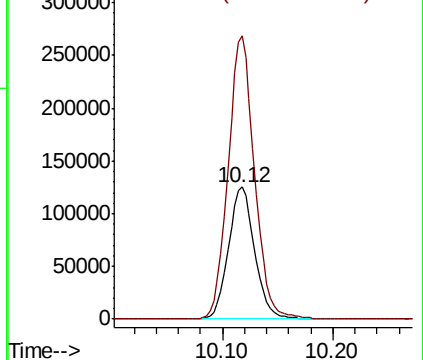
106 100

91 214.1 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.254 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038332.D

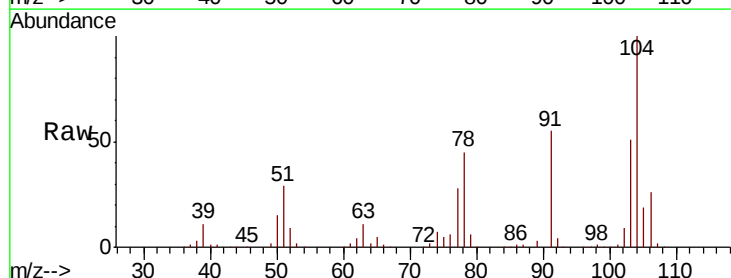
Acq: 27 May 2020 19:38

Tgt Ion:104 Resp: 358013

Ion Ratio Lower Upper

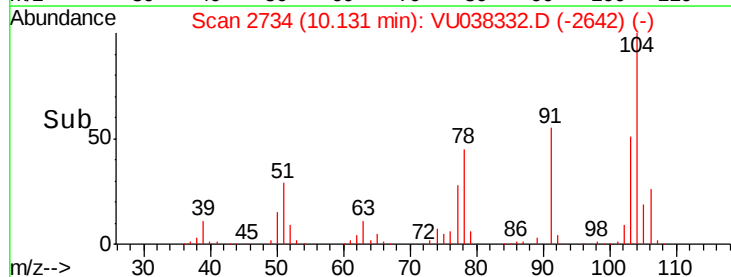
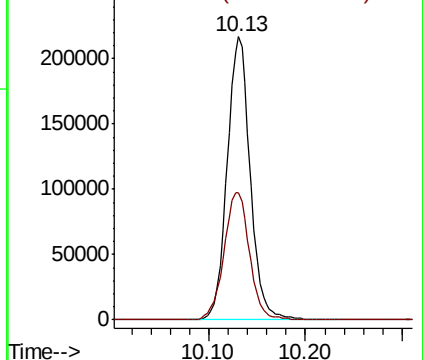
104 100

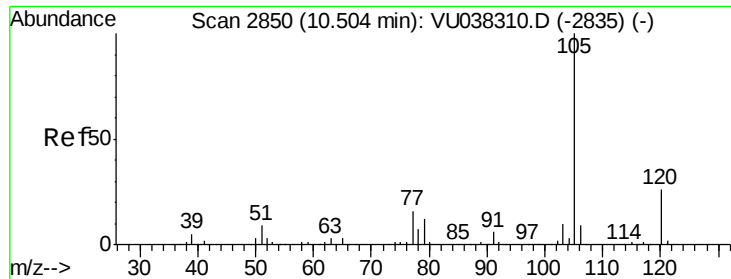
78 45.1 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.010 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

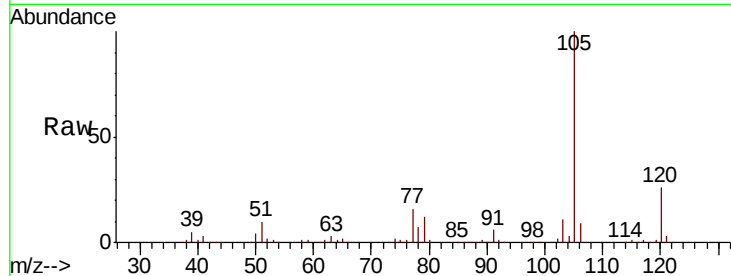
Tot Ion:105 Resp: 522356

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

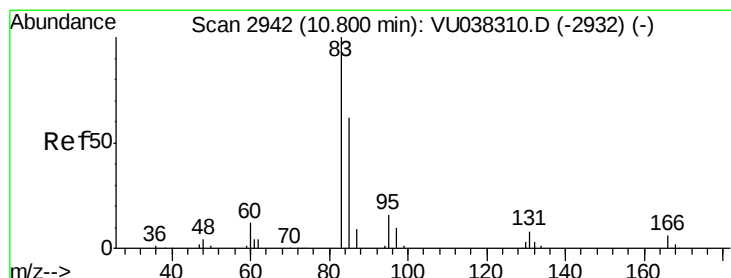
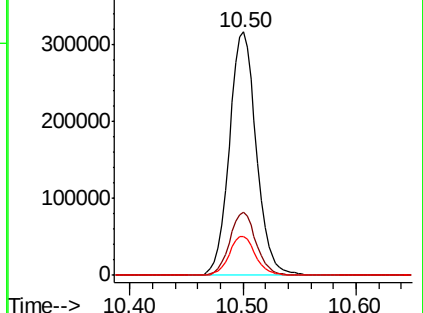
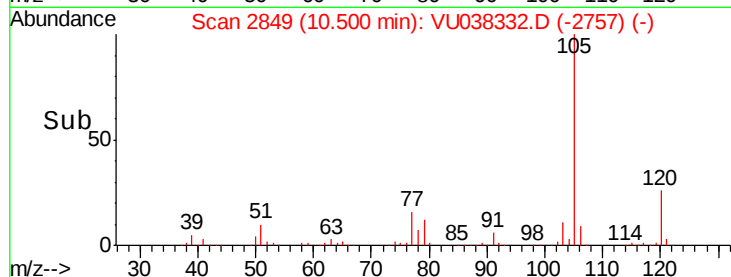
77 15.8 13.0 19.4



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: 4.957 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

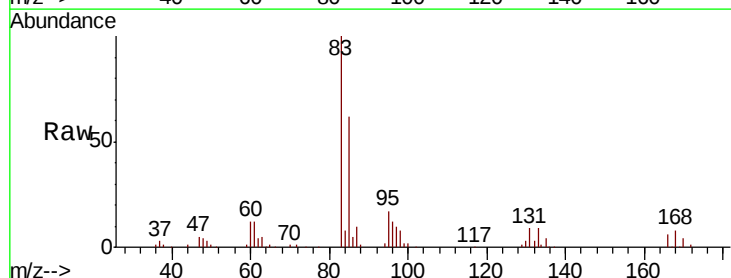
Tgt Ion: 83 Resp: 113645

Ion Ratio Lower Upper

83 100

85 61.5 47.0 87.2

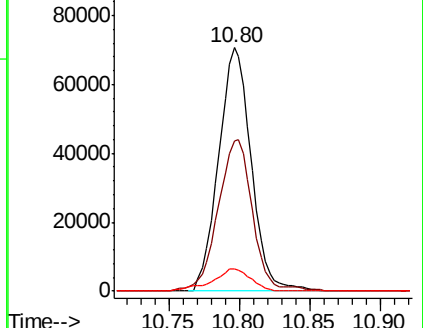
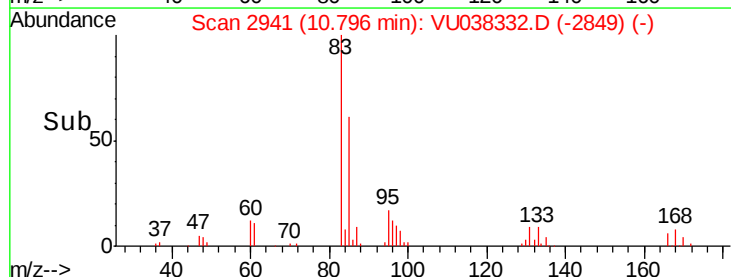
131 9.2 7.7 11.5

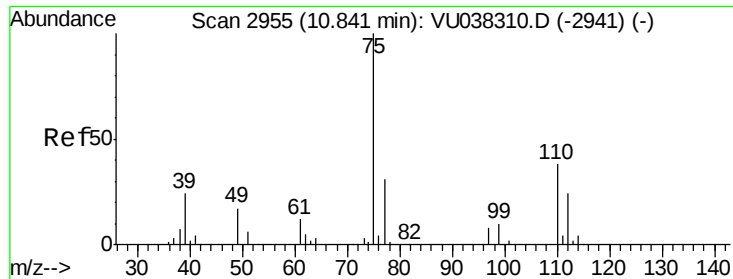


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.028 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

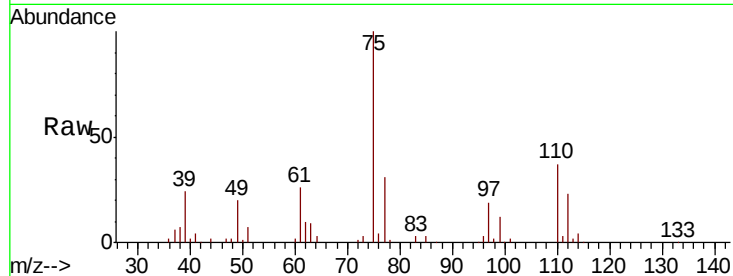
ClientSampled :

Tot Ion: 75 Resp: 87761

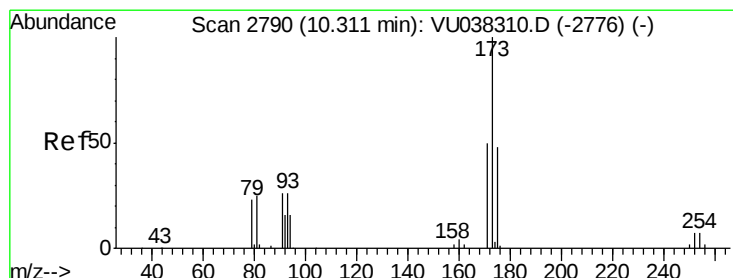
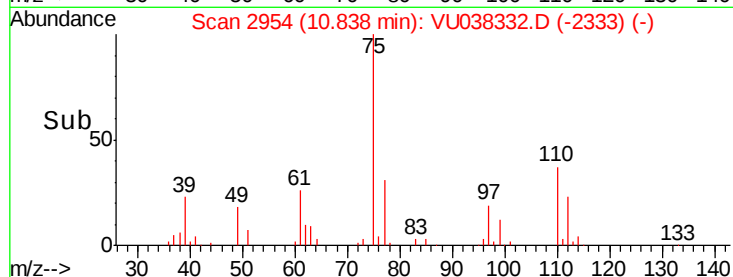
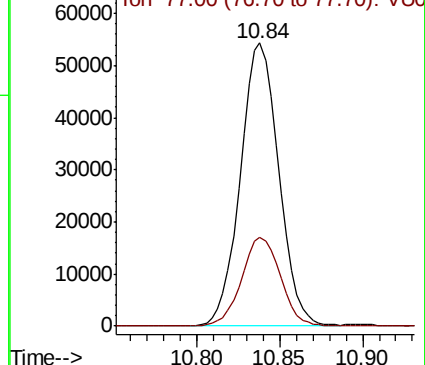
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



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



#61

Bromoform

Concen: 5.025 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

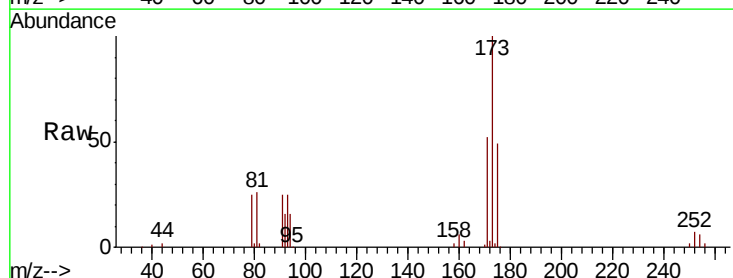
Tgt Ion: 173 Resp: 52796

Ion Ratio Lower Upper

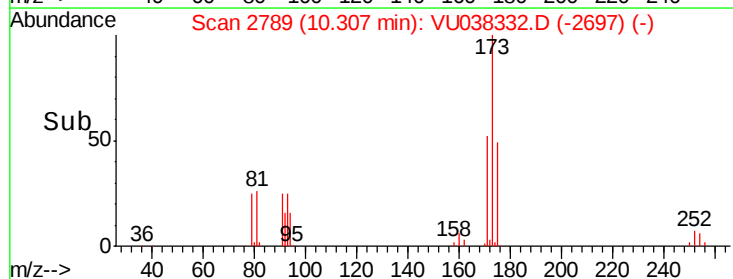
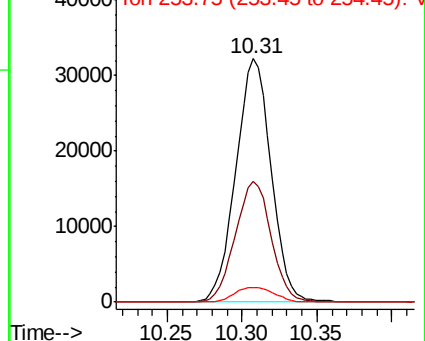
173 100

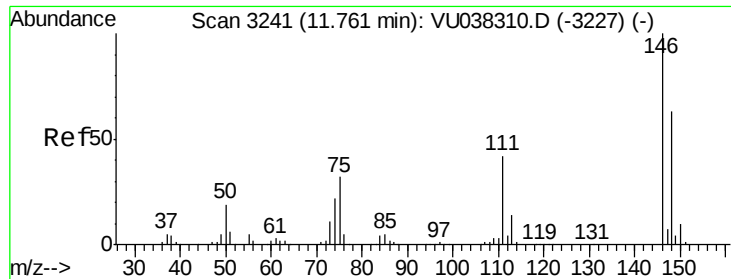
175 50.4 39.5 59.3

254 6.7 5.0 7.4



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





#62

1,3-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

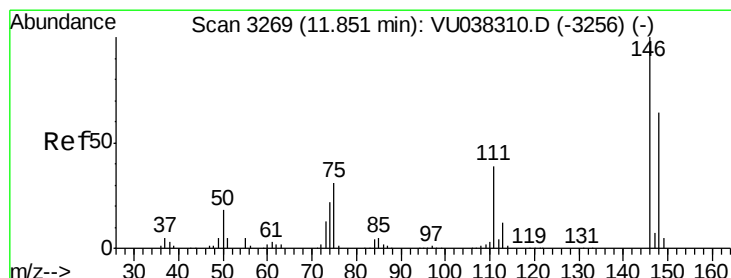
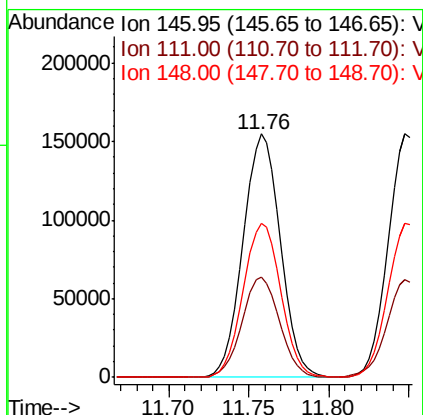
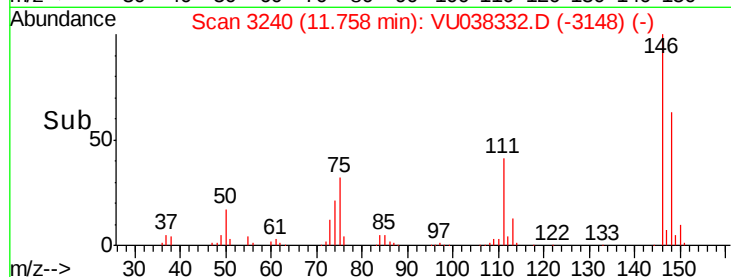
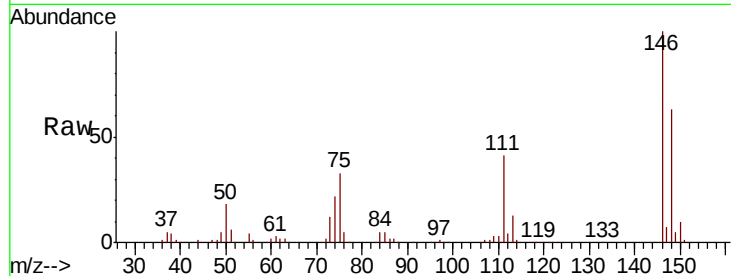
Tot Ion:146 Resp: 246295

Ion Ratio Lower Upper

146 100

111 41.1 28.6 53.2

148 63.4 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 4.841 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

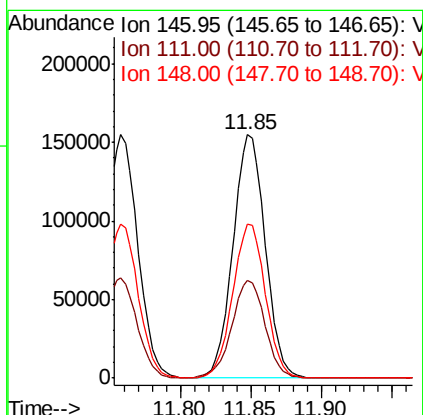
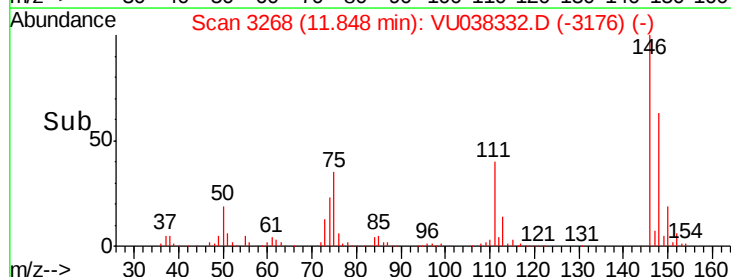
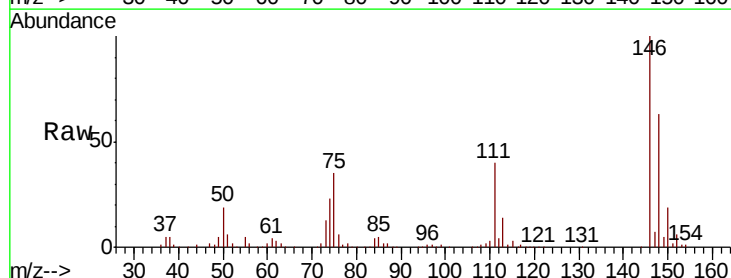
Tgt Ion:146 Resp: 248086

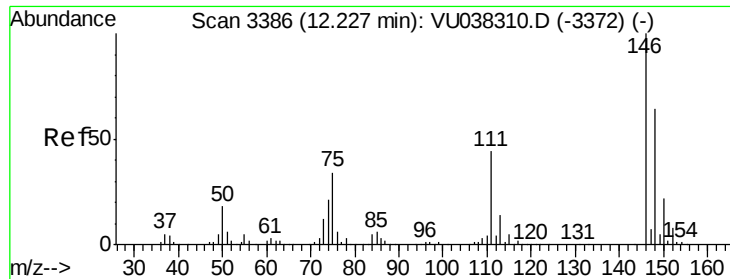
Ion Ratio Lower Upper

146 100

111 40.0 27.2 50.6

148 63.3 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.858 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

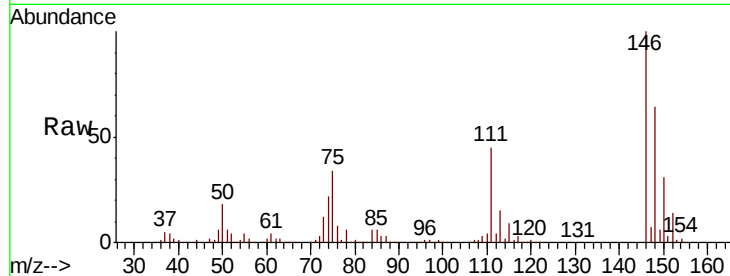
Tot Ion:146 Resp: 236345

Ion Ratio Lower Upper

146 100

111 44.6 35.3 52.9

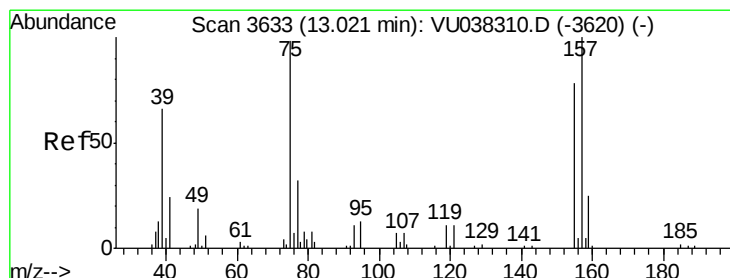
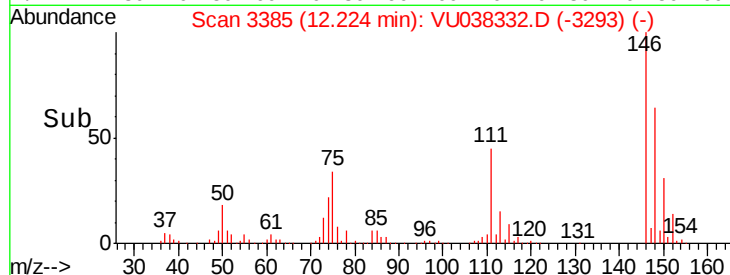
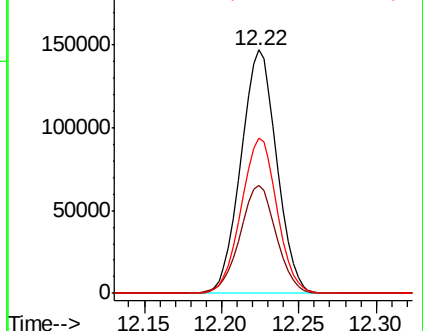
148 63.5 51.0 76.4



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: 4.584 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

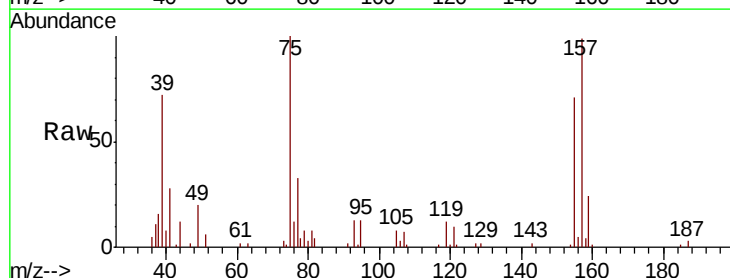
Tgt Ion: 75 Resp: 18227

Ion Ratio Lower Upper

75 100

155 70.7 58.2 87.2

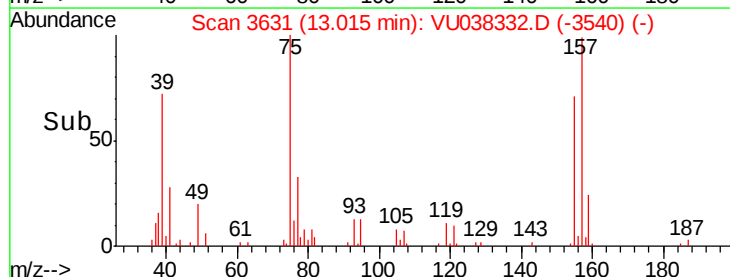
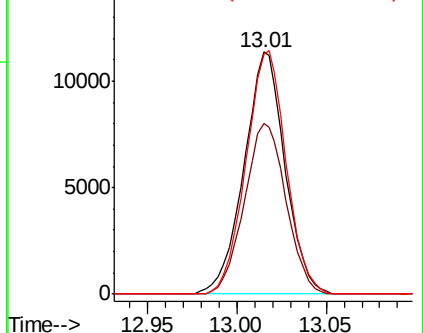
157 99.2 72.9 109.3

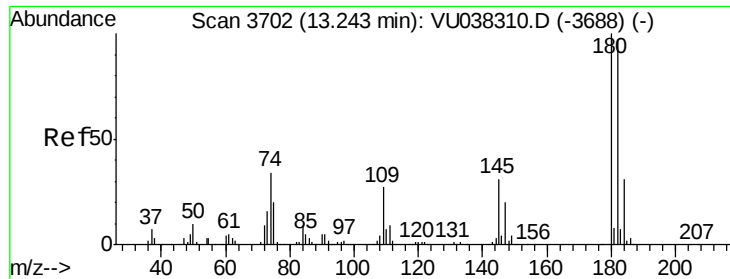


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

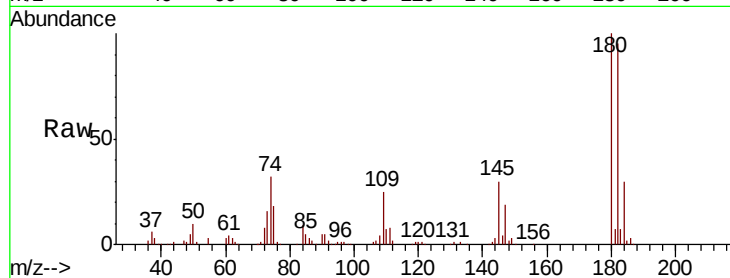




#67
 1,3,5-Trichlorobenzene
 Concen: 4.955 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.4	116.2
184	29.8	24.2	36.2
145	30.6	24.0	36.0



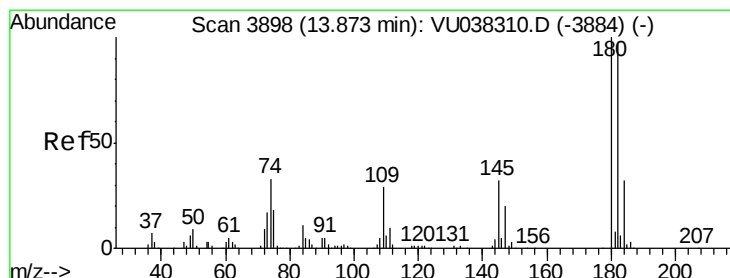
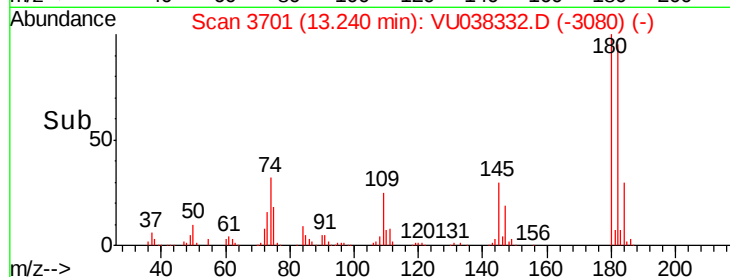
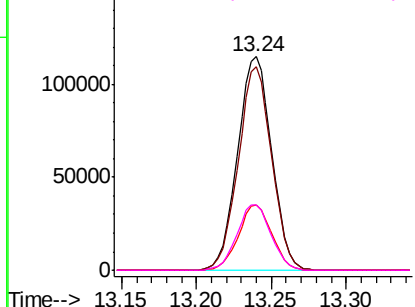
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

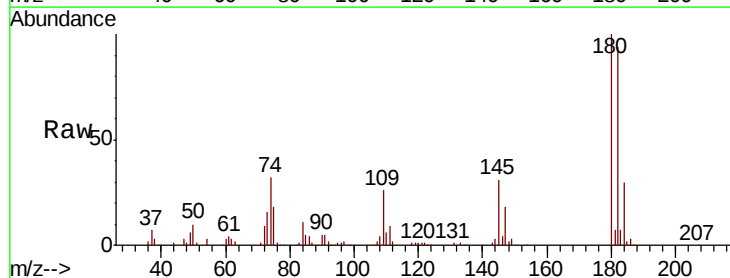
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.972 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038332.D
 Acq: 27 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.0	112.6
145	31.3	24.8	37.2

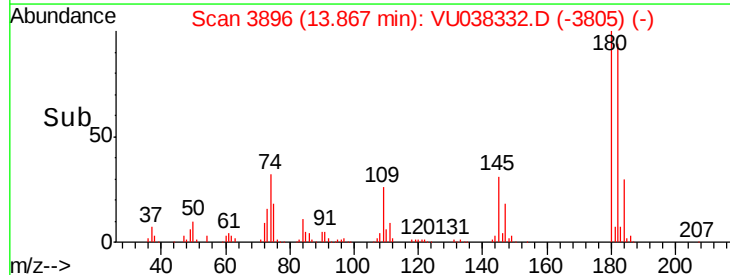
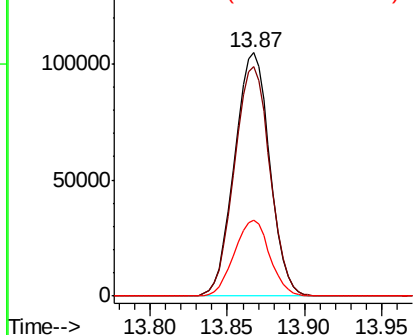


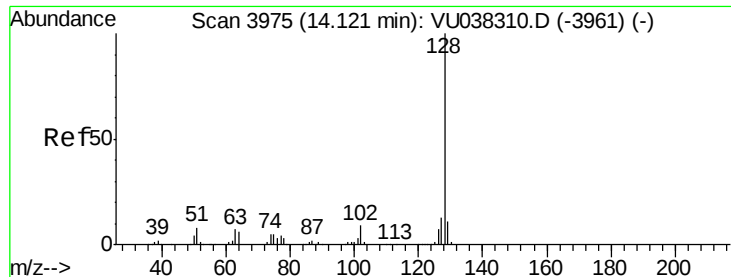
Abundance

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: 4.918 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

Instrument :

MSVOA_U

ClientSampled :

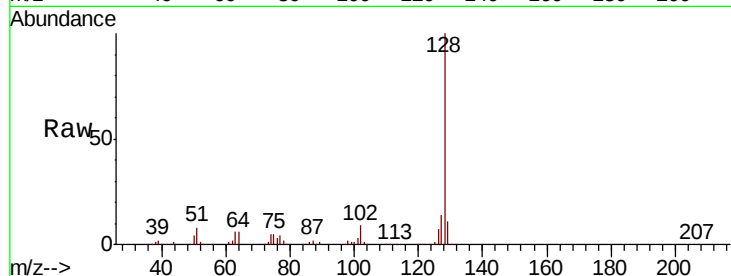
Tot Ion:128 Resp: 344604

Ion Ratio Lower Upper

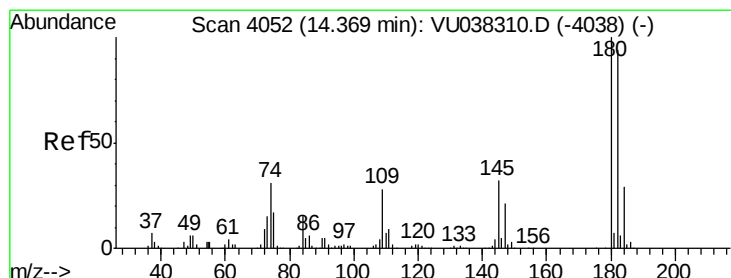
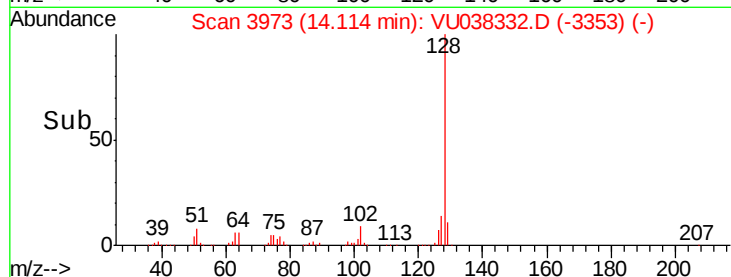
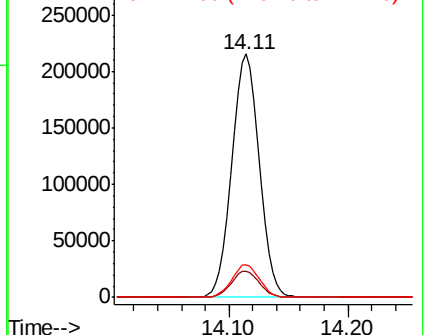
128 100

129 10.9 8.7 13.1

127 13.6 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: 4.938 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038332.D

Acq: 27 May 2020 19:38

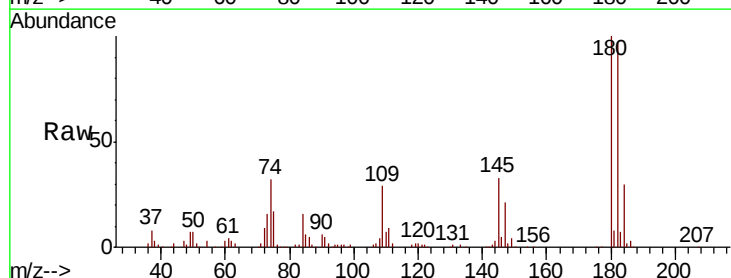
Tgt Ion:180 Resp: 152749

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 33.8 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

