

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050720\
 Data File : VU038034.D
 Acq On : 07 May 2020 12:34
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 08 01:45:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	367047	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	358534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	171147	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	160203	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.93	69	133763	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.59	63	251955	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.66	46	363949	43.94	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.88%
24) Chloroform-d	5.10	84	243790	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.74	65	133585	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.76	84	508979	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.72	67	163922	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	458179	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.20	79	64166	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.65	63	296446	45.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125752	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	159462	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	145975	4.349	ug/L 100
3) Chloromethane	1.53	50	187555	4.636	ug/L 98
5) Vinyl chloride	1.61	62	182808	4.612	ug/L 99
6) Bromomethane	1.87	94	100576	4.456	ug/L 99
8) Chloroethane	1.95	64	108032	4.431	ug/L 98
9) Trichlorofluoromethane	2.15	101	179633	4.432	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	107705	4.286	ug/L 100
12) 1,1-Dichloroethene	2.60	96	114839	4.508	ug/L 95
13) Acetone	2.65	43	203697	39.195	ug/L 98
14) Carbon disulfide	2.82	76	400524	4.408	ug/L 99
15) Methyl Acetate	2.98	43	60260	4.145	ug/L 97
16) Methylene chloride	3.07	84	133195	4.486	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	324304	4.582	ug/L 98
18) trans-1,2-Dichloroethene	3.38	96	126494	4.549	ug/L 98
19) 1,1-Dichloroethane	3.91	63	245157	4.514	ug/L 97
21) 2-Butanone	4.74	43	385855	42.064	ug/L 99
22) cis-1,2-Dichloroethene	4.70	96	139717	4.662	ug/L 98

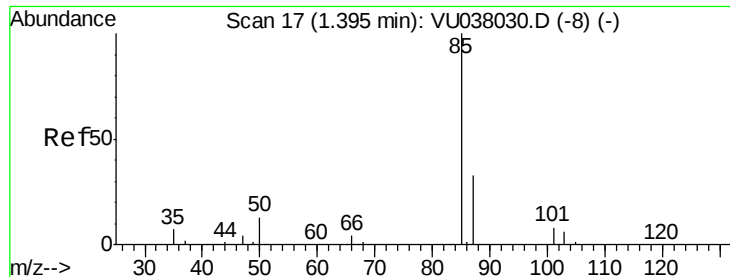
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050720\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	59490	4.613	ug/L	93
25) Chloroform	5.12	83	232135	4.582	ug/L	98
27) 1,2-Dichloroethane	5.83	62	159985	4.474	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	186238	4.534	ug/L	99
30) Cyclohexane	5.42	56	211631	4.364	ug/L	100
31) Carbon tetrachloride	5.56	117	145510	4.407	ug/L	98
33) Benzene	5.81	78	534930	4.659	ug/L	100
34) Trichloroethene	6.57	95	130081	4.530	ug/L	99
35) Methylcyclohexane	6.79	83	206128	4.431	ug/L	97
37) 1,2-Dichloropropane	6.82	63	141243	4.529	ug/L	99
38) Bromodichloromethane	7.13	83	163101	4.524	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	208472	4.671	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	962840	44.547	ug/L	100
42) Toluene	7.99	91	549302	4.532	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	174690	4.603	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	97836	4.518	ug/L	97
47) Tetrachloroethene	8.57	164	87965	4.379	ug/L	98
48) 2-Hexanone	8.71	43	710581	44.891	ug/L	100
49) Dibromochloromethane	8.83	129	104341	4.643	ug/L	97
50) 1,2-Dibromoethane	8.94	107	91703	4.563	ug/L	100
51) Chlorobenzene	9.47	112	344219	4.576	ug/L	100
52) Ethylbenzene	9.59	91	587408	4.474	ug/L	100
53) m,p-Xylene	9.71	106	227655	4.522	ug/L	96
54) o-Xylene	10.12	106	224008	4.602	ug/L	97
55) Styrene	10.13	104	381032	4.663	ug/L	99
56) Isopropylbenzene	10.50	105	565214	4.521	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	123077	4.476	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	94647	4.522	ug/L	99
61) Bromoform	10.31	173	53493	4.624	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	262044	4.706	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	260963	4.625	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	249474	4.657	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	19840	4.531	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	190829	4.723	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	173959	4.747	ug/L	98
69) Naphthalene	14.11	128	378768	4.909	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	164106	4.817	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.349 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

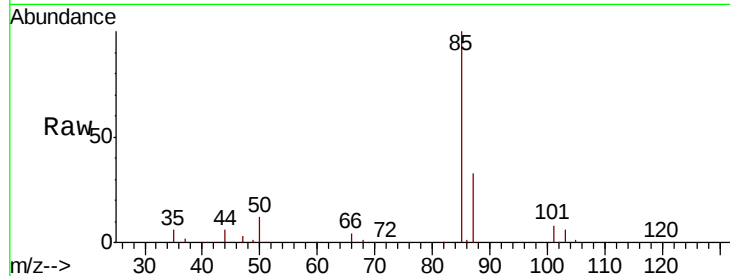
ClientSampleId :

Tot Ion: 85 Resp: 145975

Ion Ratio Lower Upper

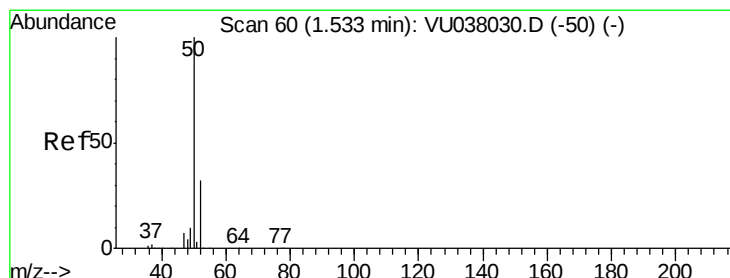
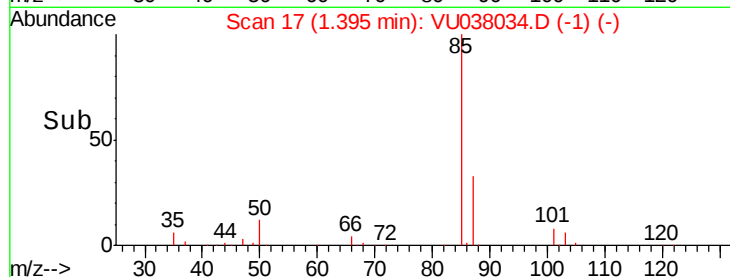
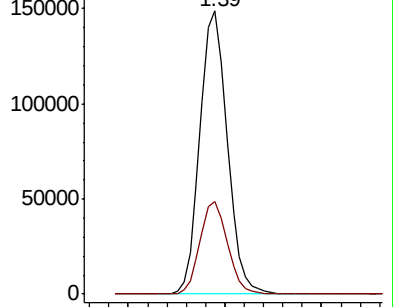
85 100

87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038030.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038030.D (-8) (-)



#3

Chloromethane

Concen: 4.636 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038034.D

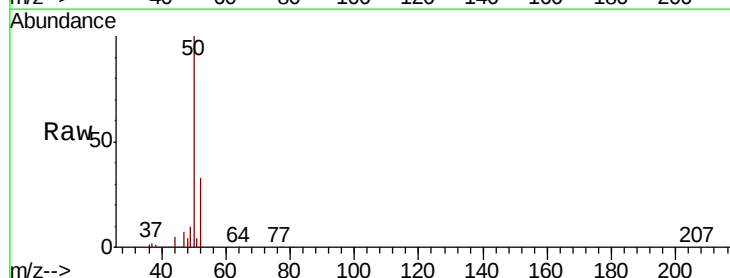
Acq: 07 May 2020 12:34

Tgt Ion: 50 Resp: 187555

Ion Ratio Lower Upper

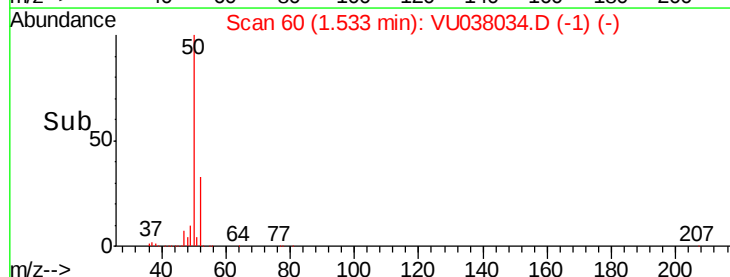
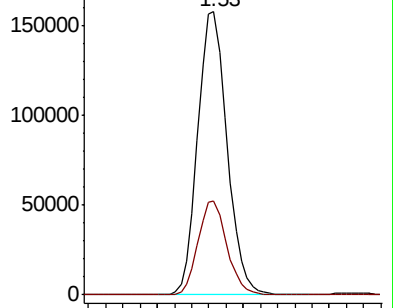
50 100

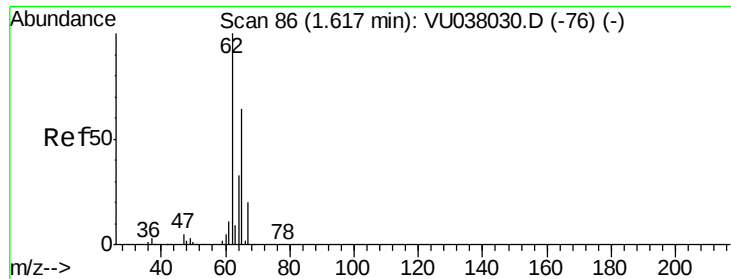
52 33.2 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038030.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038030.D (-50) (-)





#5

Vinyl chloride

Concen: 4.612 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

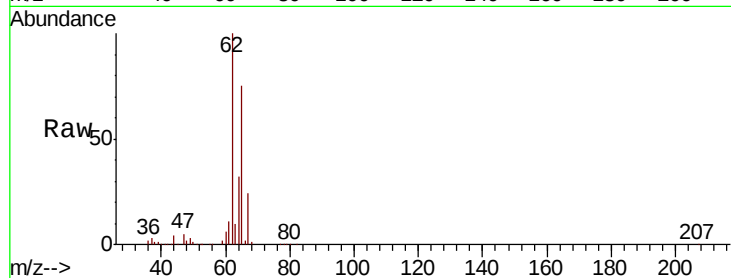
ClientSampleId :

Tot Ion: 62 Resp: 182808

Ion Ratio Lower Upper

62 100

64 32.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038030.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038030.D (-76) (-)

1.61

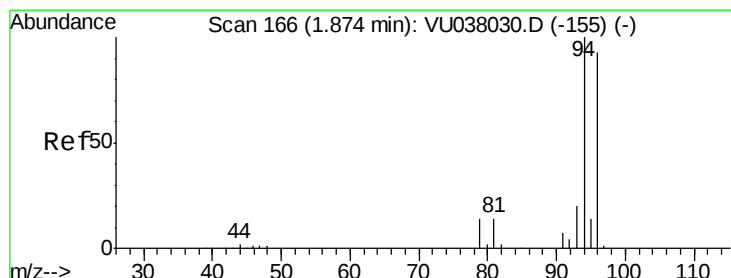
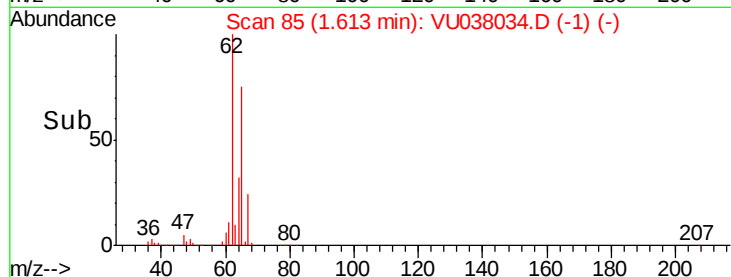
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.456 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038034.D

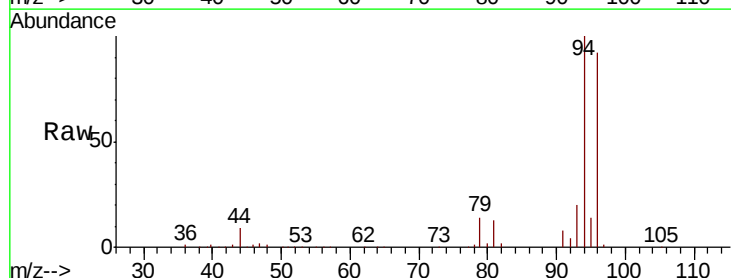
Acq: 07 May 2020 12:34

Tgt Ion: 94 Resp: 100576

Ion Ratio Lower Upper

94 100

96 92.1 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038030.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU038030.D (-155) (-)

1.87

80000

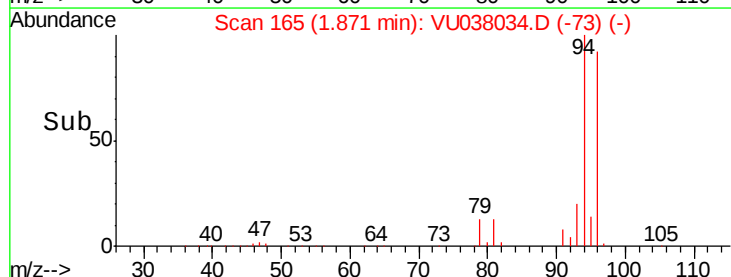
60000

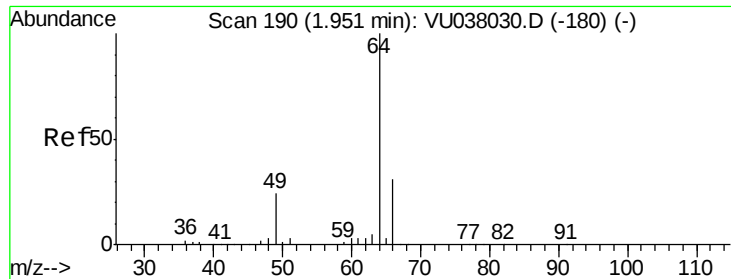
40000

20000

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Time-->

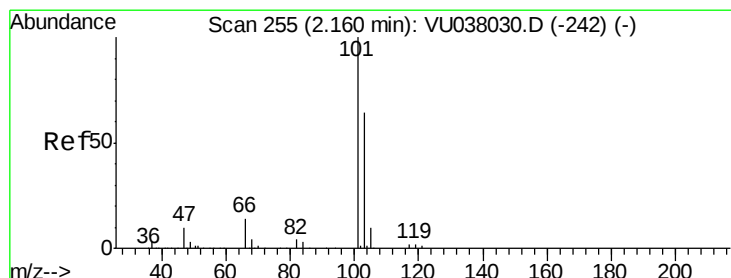
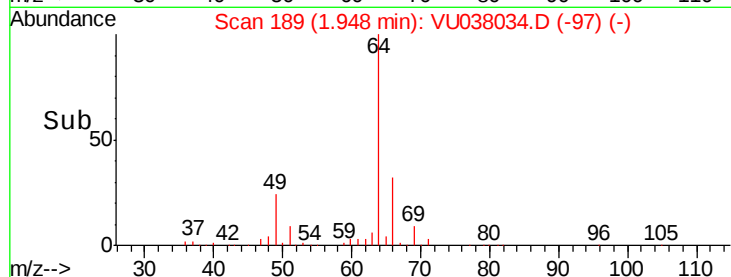
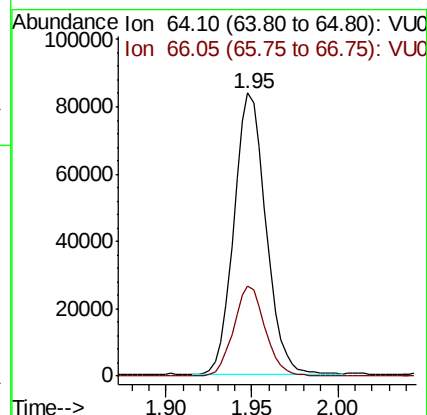
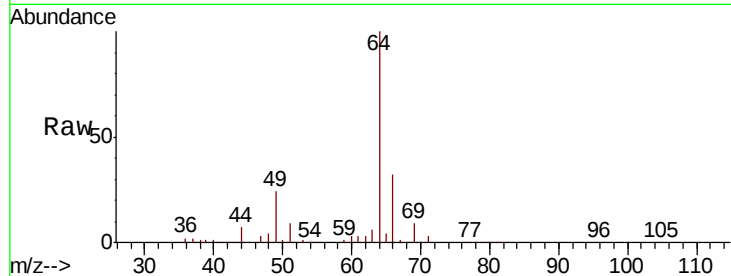




#8
Chloroethane
Concen: 4.431 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

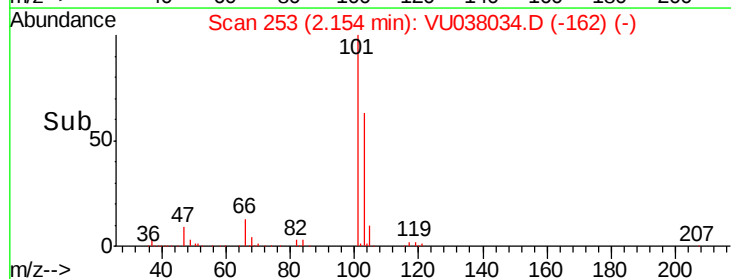
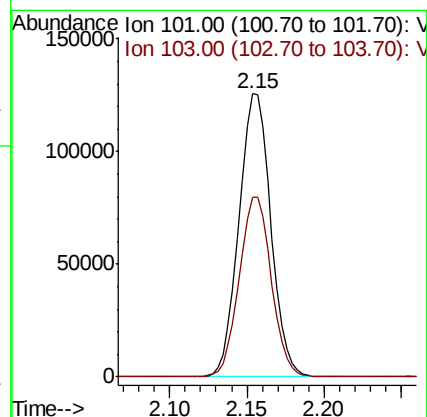
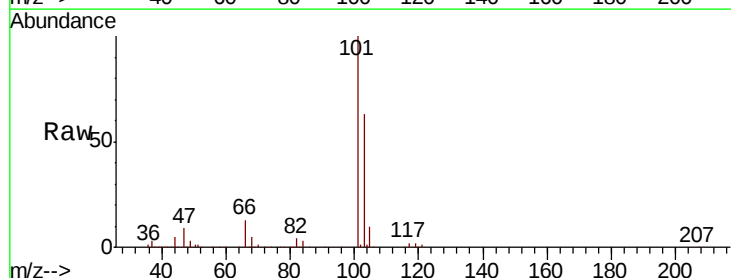
Instrument :
MSVOA_U
ClientSampleId :

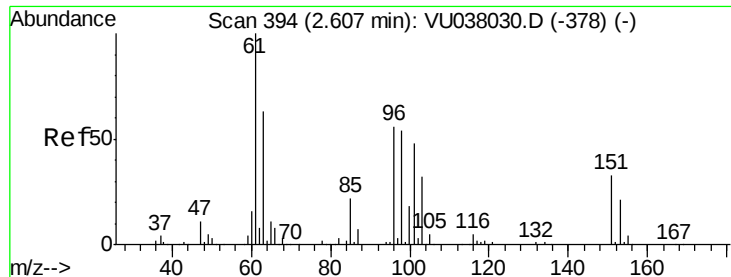
Tot Ion: 64 Resp: 108032
Ion Ratio Lower Upper
64 100
66 32.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.432 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.01 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion:101 Resp: 179633
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.4





#10

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

Concen: 4.286 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampleId :

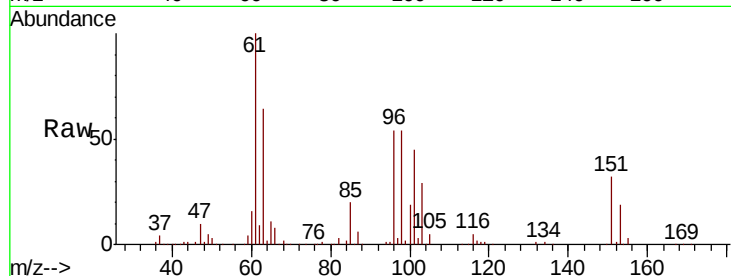
Tot Ion:101 Resp: 107705

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

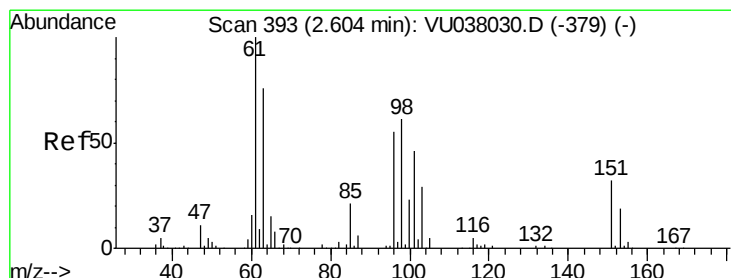
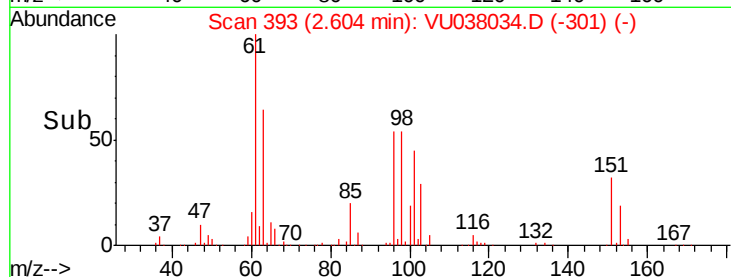
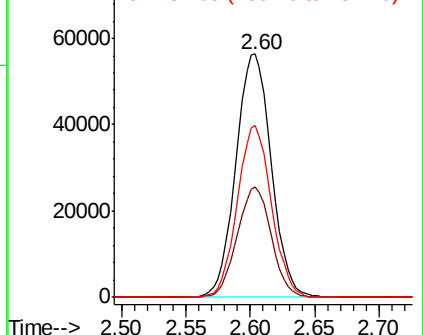
151 68.0 54.2 81.2



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: 4.508 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

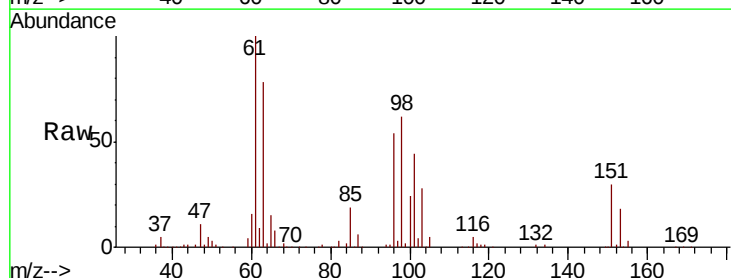
Tgt Ion: 96 Resp: 114839

Ion Ratio Lower Upper

96 100

61 186.5 126.2 234.4

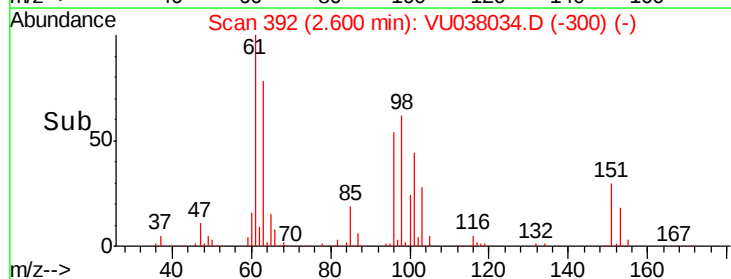
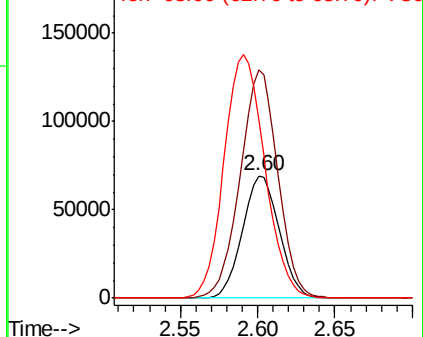
63 145.8 96.9 179.9

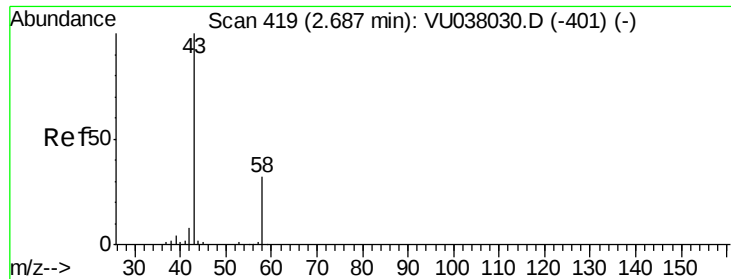


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.195 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.04 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

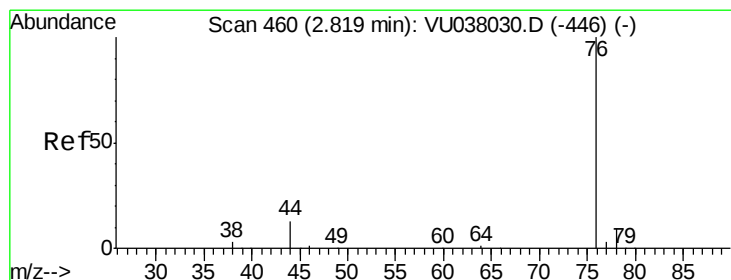
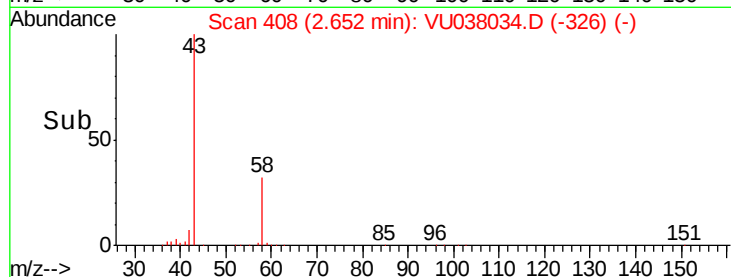
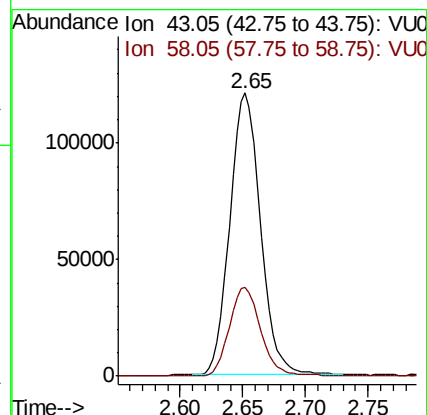
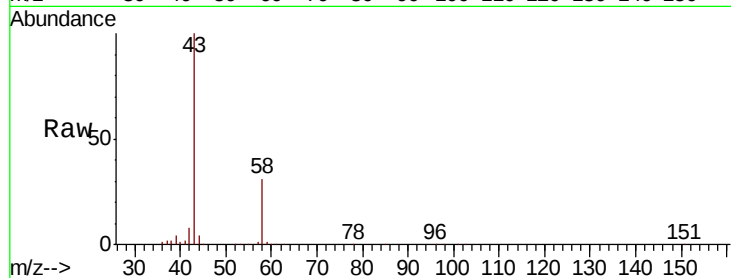
ClientSampleId :

Tot Ion: 43 Resp: 203697

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.408 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU038034.D

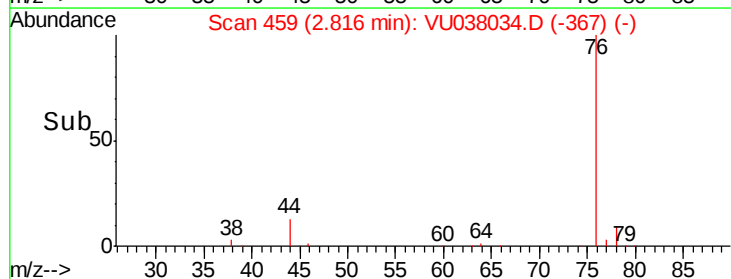
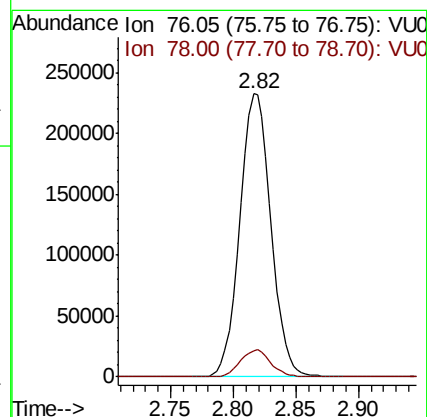
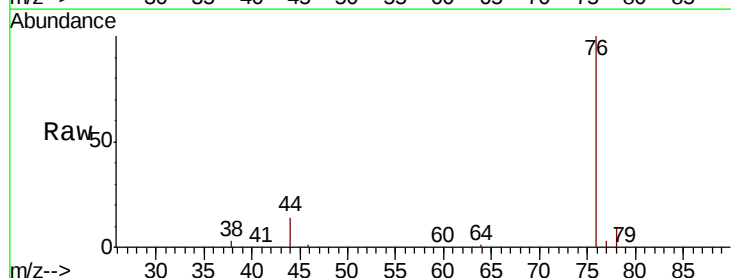
Acq: 07 May 2020 12:34

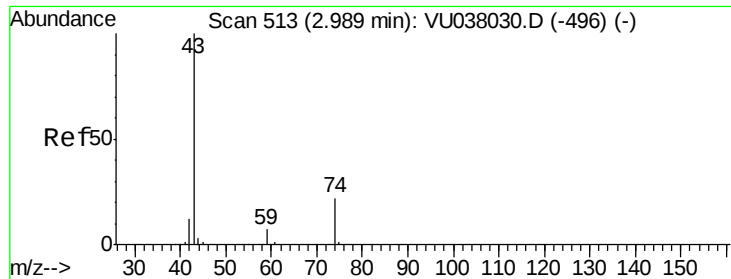
Tgt Ion: 76 Resp: 400524

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methvl Acetate

Concen: 4.145 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.01 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

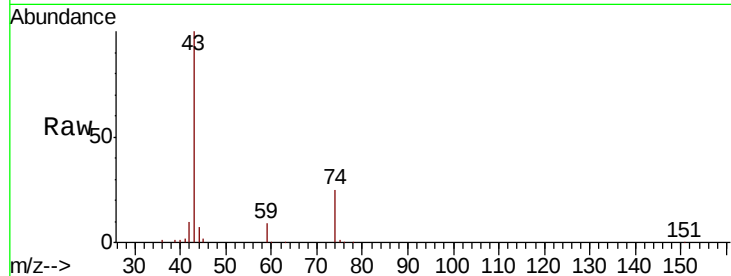
ClientSampleId :

Tot Ion: 43 Resp: 60260

Ion Ratio Lower Upper

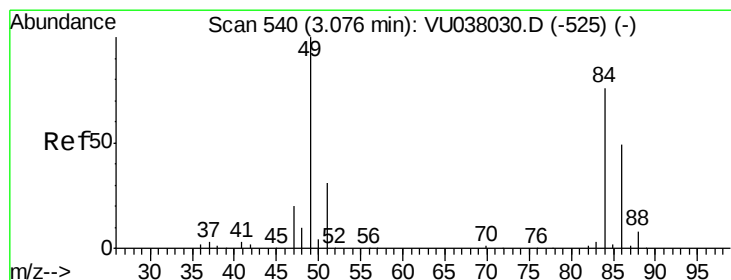
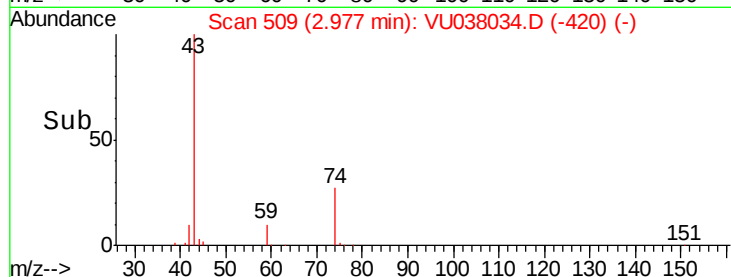
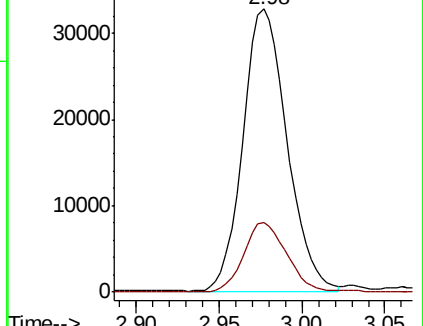
43 100

74 24.1 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU038030.D (-496) (-)

Ion 74.05 (73.75 to 74.75): VU038030.D (-496) (-)



#16

Methylene chloride

Concen: 4.486 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

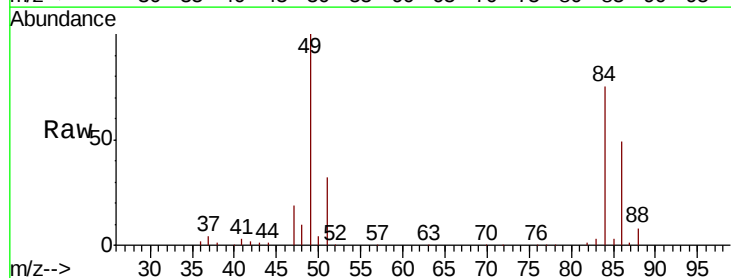
Tgt Ion: 84 Resp: 133195

Ion Ratio Lower Upper

84 100

86 65.4 44.9 83.3

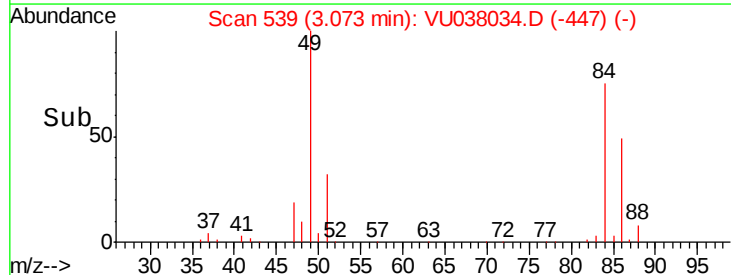
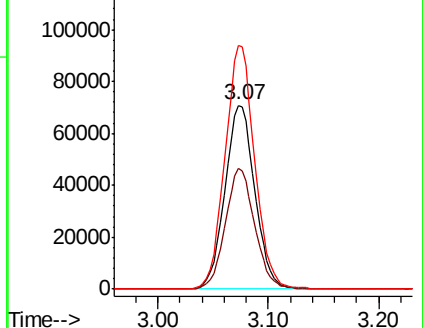
49 132.5 92.0 170.9

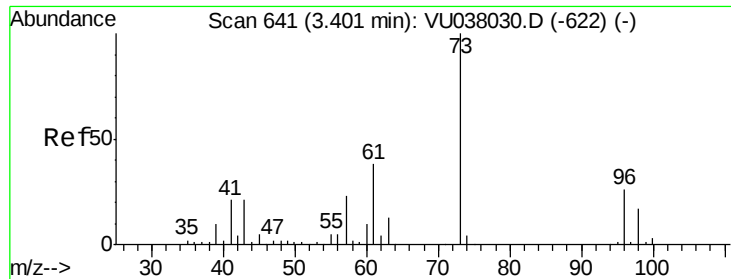


Abundance Ion 84.05 (83.75 to 84.75): VU038030.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038030.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038030.D (-525) (-)

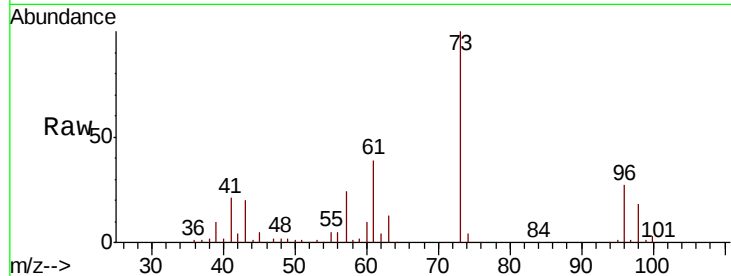




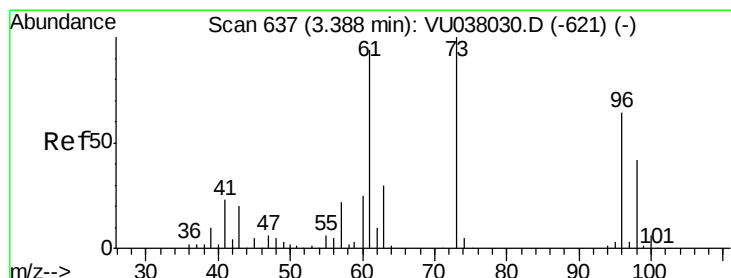
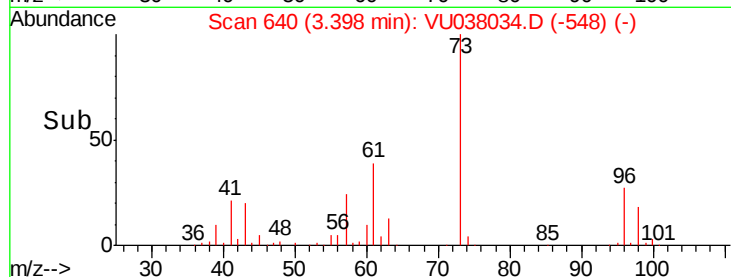
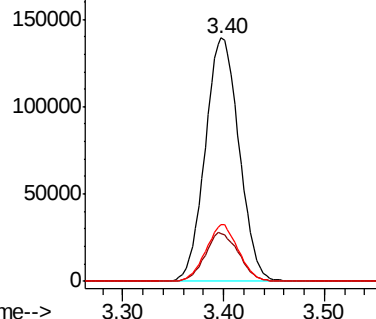
#17
Methvl tert-butvl Ether
Concen: 4.582 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 324304
Ion Ratio Lower Upper
73 100
43 19.7 16.9 25.3
57 22.4 18.2 27.2

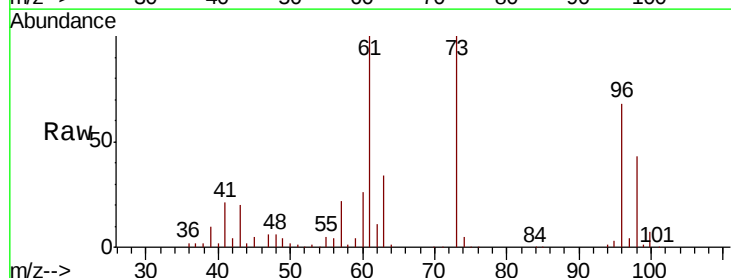


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

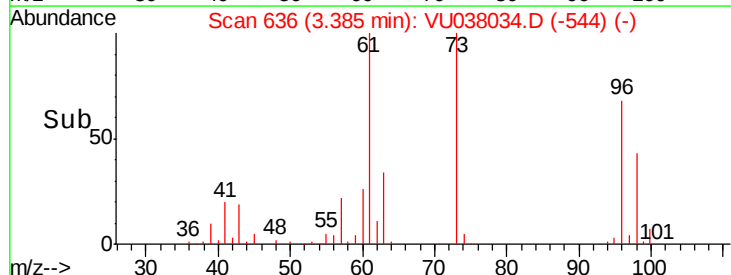
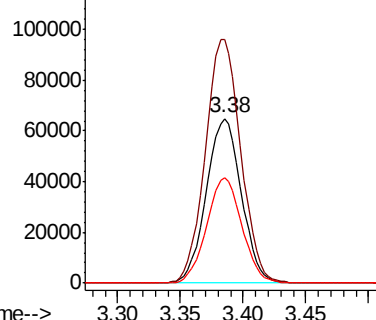


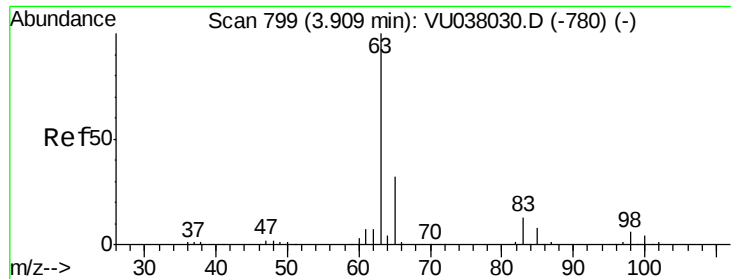
#18
trans-1,2-Dichloroethene
Concen: 4.549 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion: 96 Resp: 126494
Ion Ratio Lower Upper
96 100
61 148.1 102.1 189.5
98 64.3 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

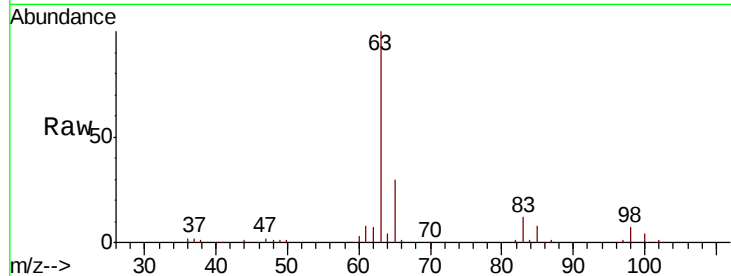




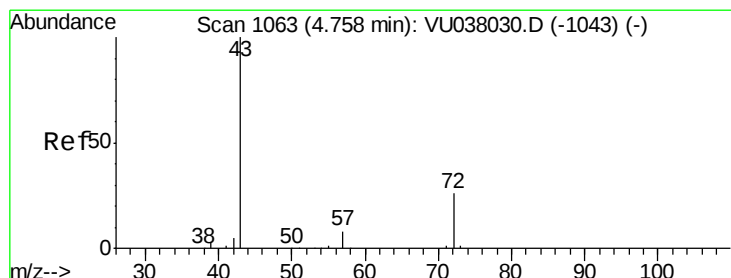
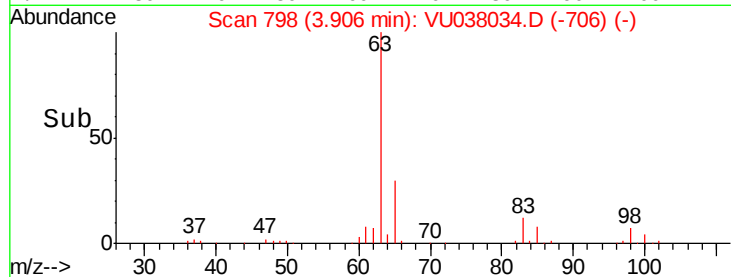
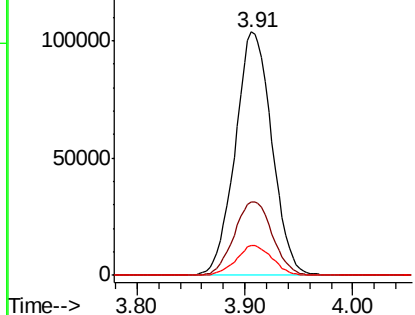
#19
 1,1-Dichloroethane
 Concen: 4.514 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 245157
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.5 41.7
 83 12.2 8.9 16.5

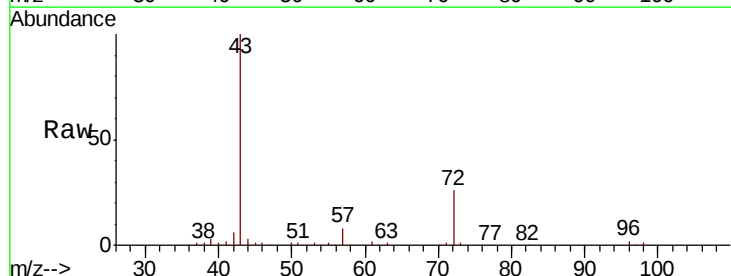


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

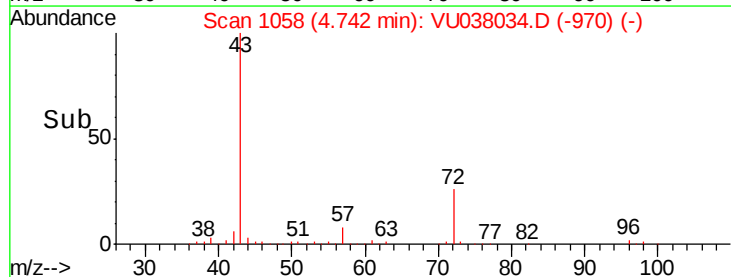
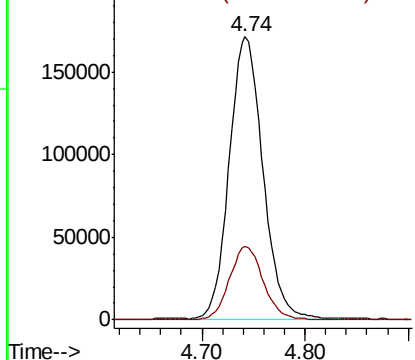


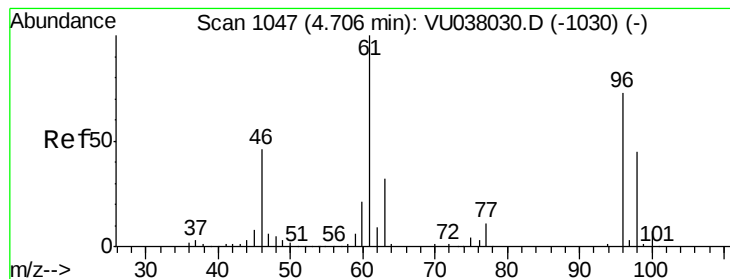
#21
 2-Butanone
 Concen: 42.064 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.02 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion: 43 Resp: 385855
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.662 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :
MSVOA_U
ClientSampled :

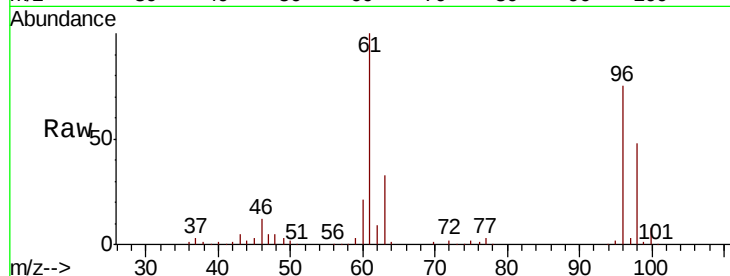
Tot Ion: 96 Resp: 139717

Ion Ratio Lower Upper

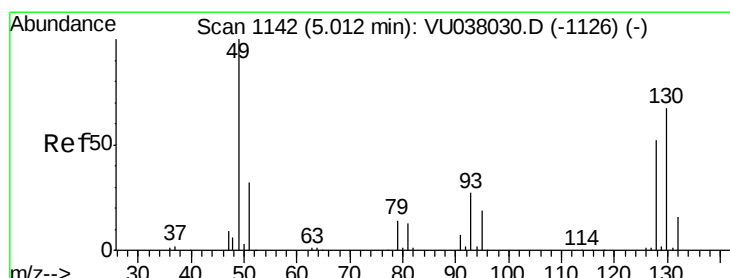
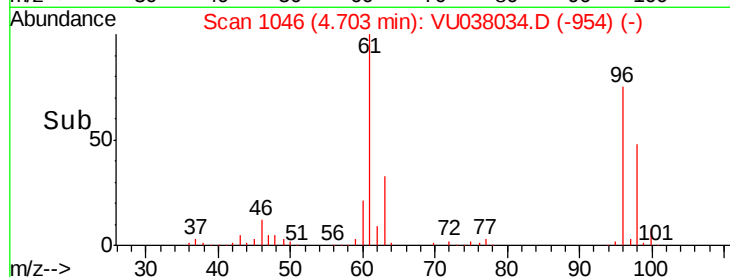
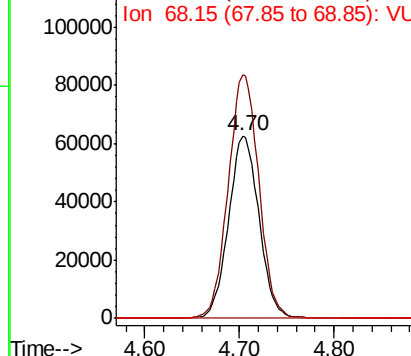
96 100

61 133.5 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: 4.613 ug/L

RT: 5.01 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Tgt Ion: 128 Resp: 59490

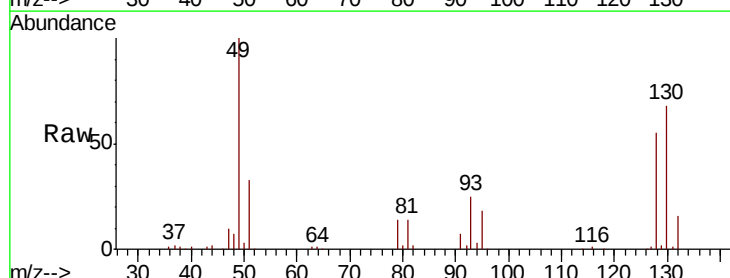
Ion Ratio Lower Upper

128 100

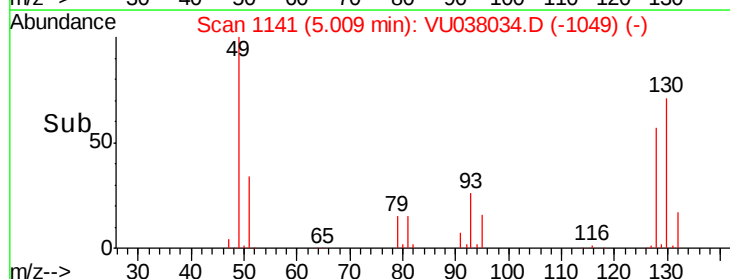
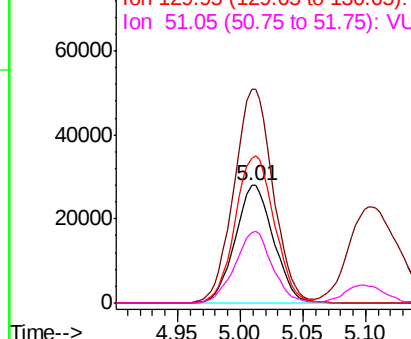
49 181.7 135.6 251.8

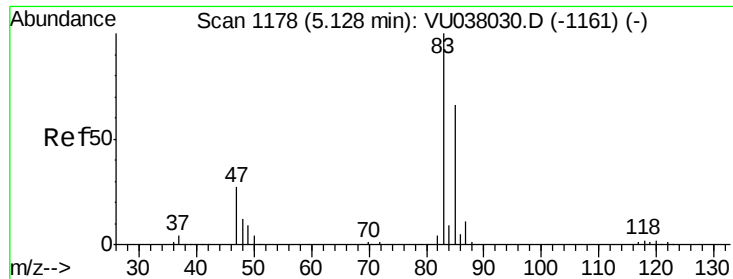
130 123.2 91.4 169.8

51 59.9 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

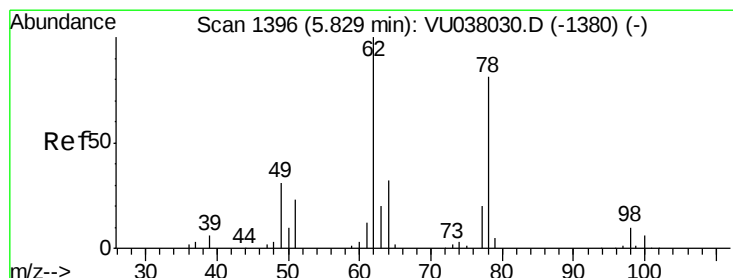
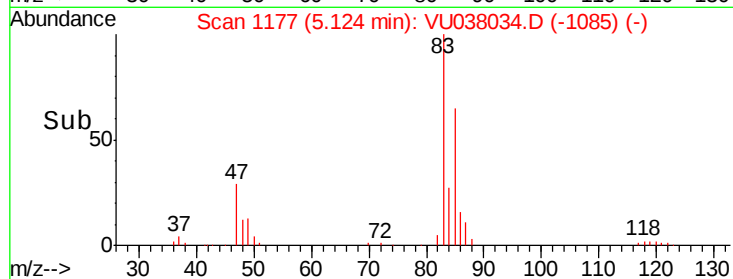
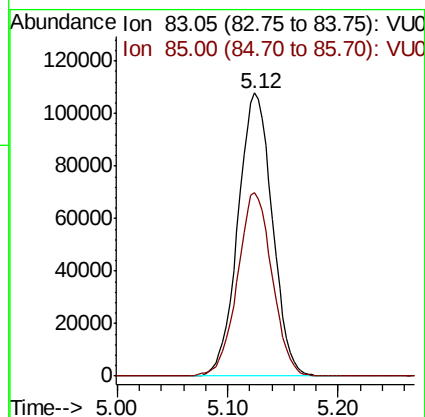
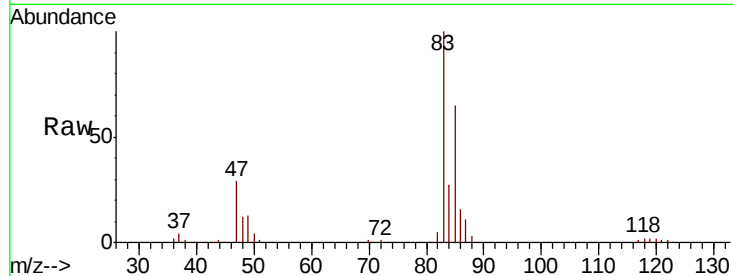




#25
Chloroform
Concen: 4.582 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

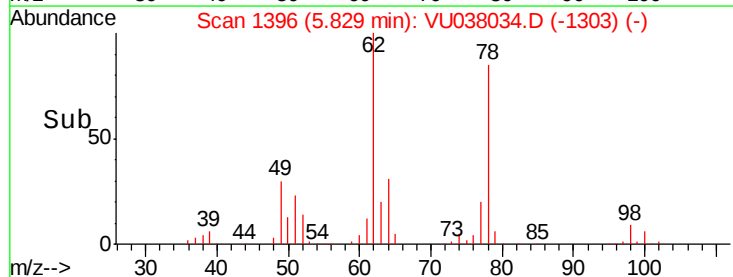
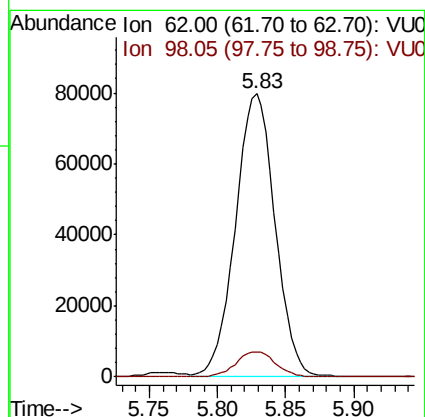
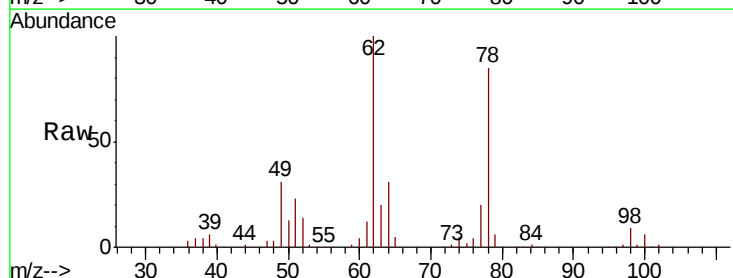
Instrument :
MSVOA_U
ClientSampled :

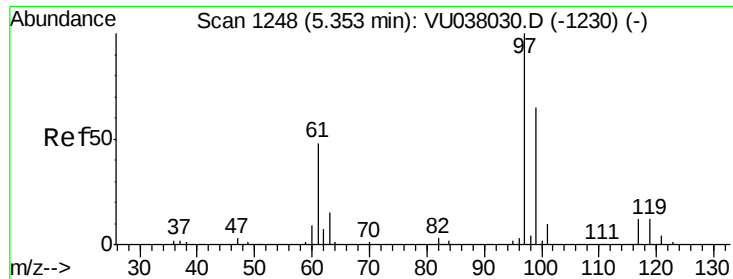
Tot Ion: 83 Resp: 232135
Ion Ratio Lower Upper
83 100
85 64.6 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.474 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion: 62 Resp: 159985
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8

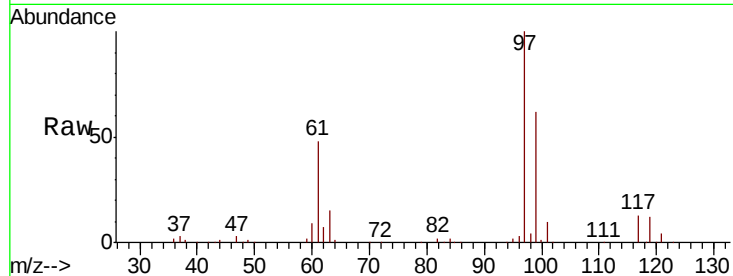




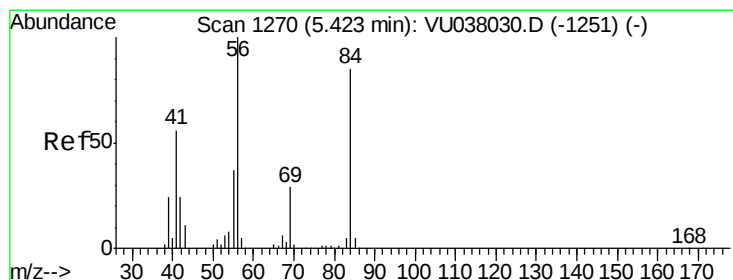
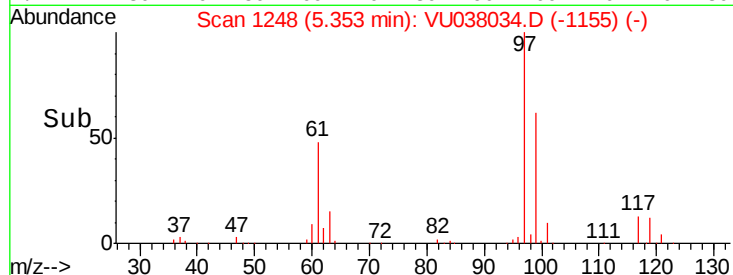
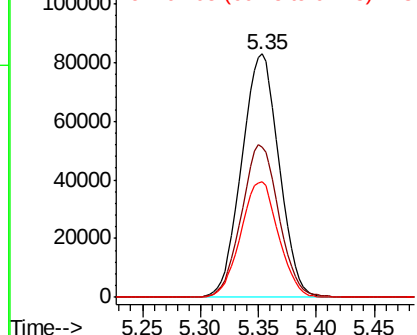
#29
 1,1,1-Trichloroethane
 Concen: 4.534 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 186238
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.0 76.4
 61 48.2 38.2 57.4

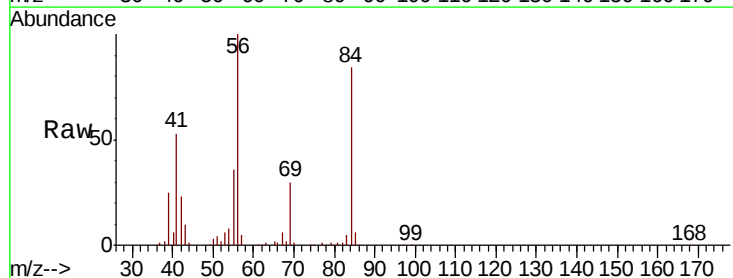


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

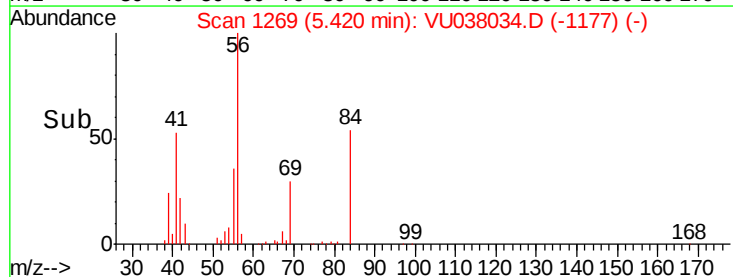
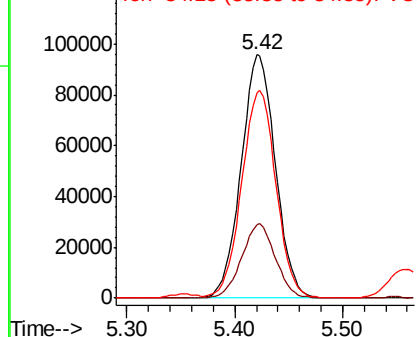


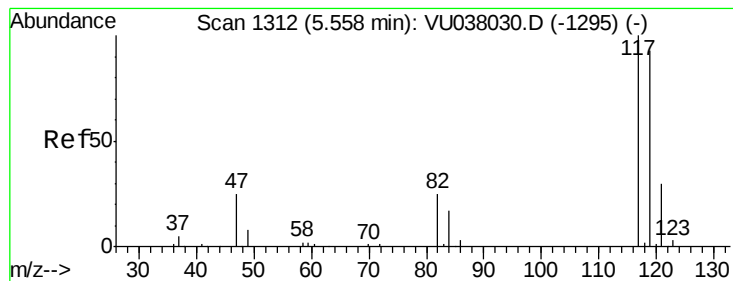
#30
 Cyclohexane
 Concen: 4.364 ug/L
 RT: 5.42 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion: 56 Resp: 211631
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.2 36.4
 84 85.4 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: 4.407 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

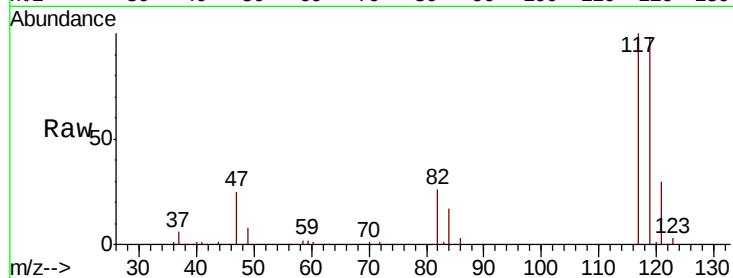
ClientSampleId :

Tot Ion:117 Resp: 145510

Ion Ratio Lower Upper

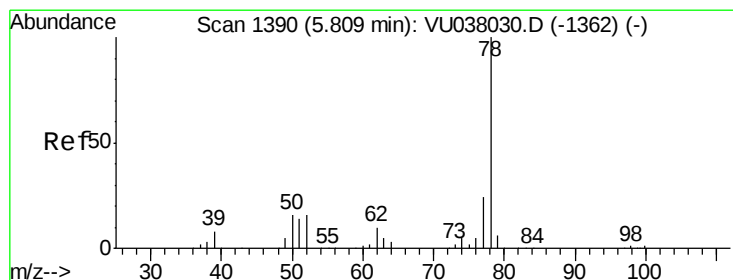
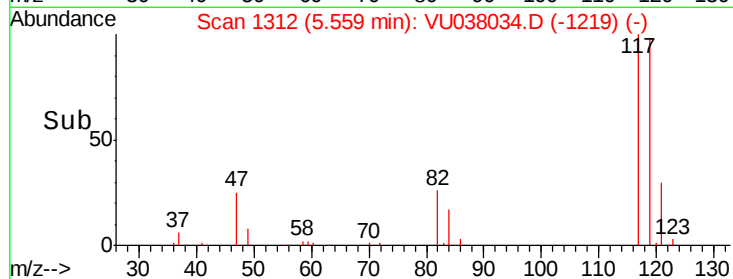
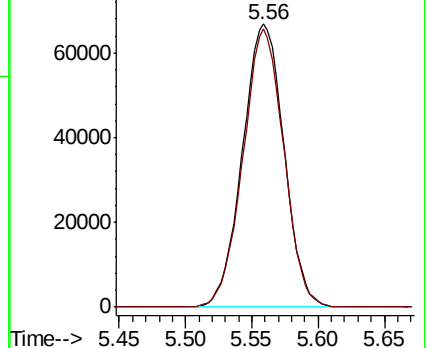
117 100

119 96.5 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: 4.659 ug/L

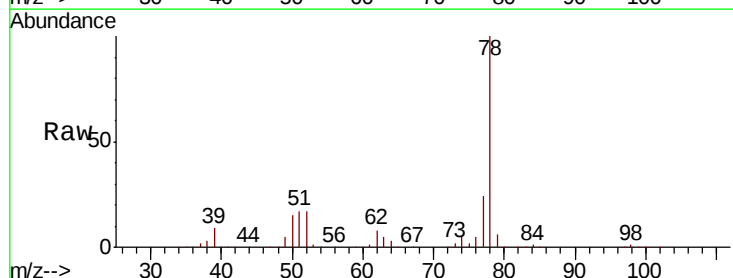
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

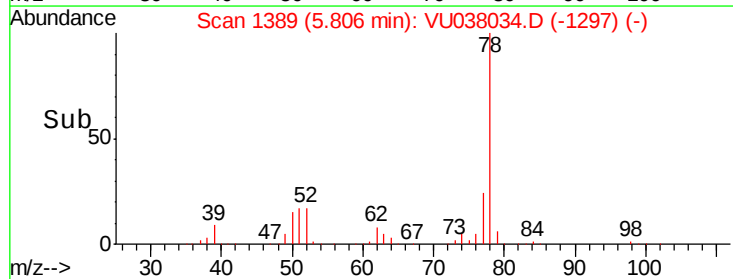
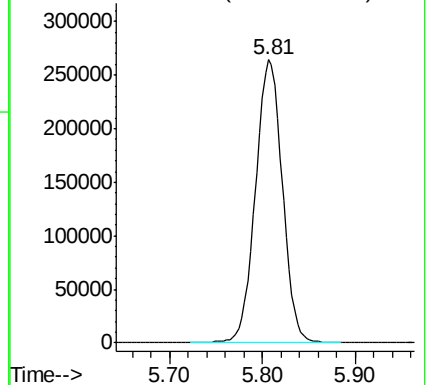
Lab File: VU038034.D

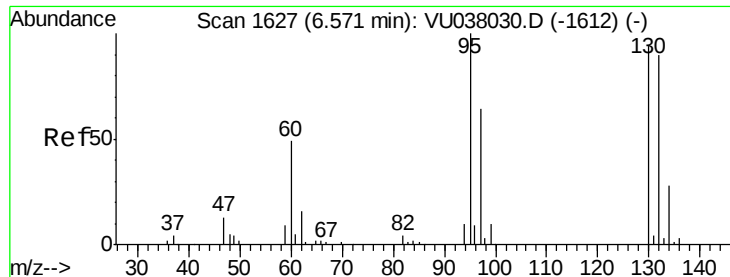
Acq: 07 May 2020 12:34

Tgt Ion: 78 Resp: 534930



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.530 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 130081

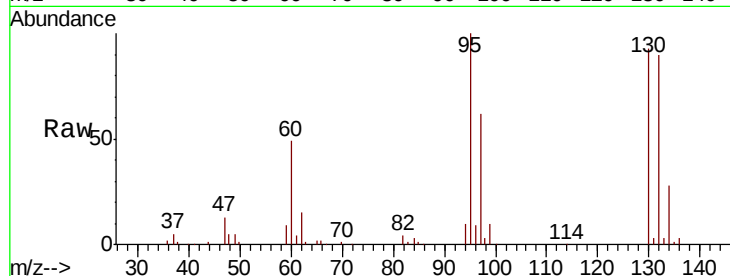
Ion Ratio Lower Upper

95 100

97 61.8 44.9 83.3

132 90.2 63.3 117.5

130 93.3 65.7 122.1

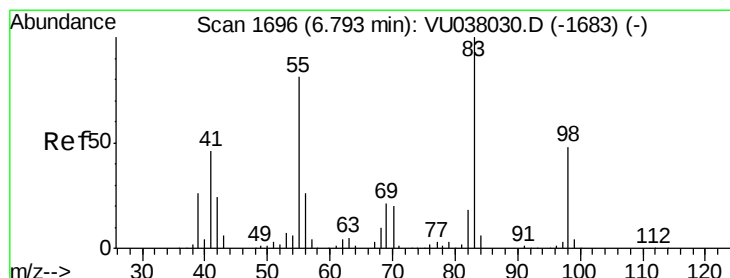
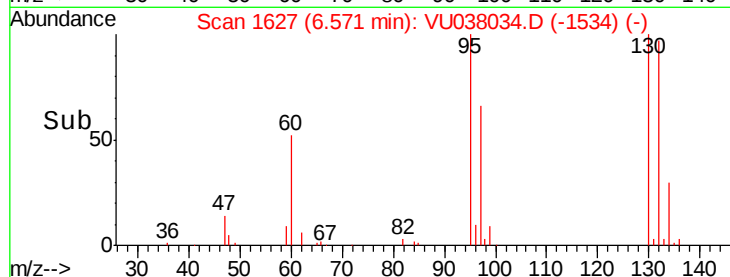
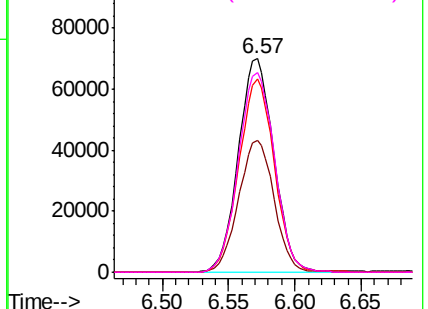


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.431 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

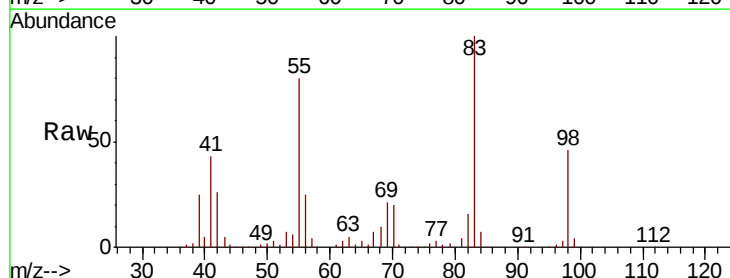
Tgt Ion: 83 Resp: 206128

Ion Ratio Lower Upper

83 100

55 80.8 66.7 100.1

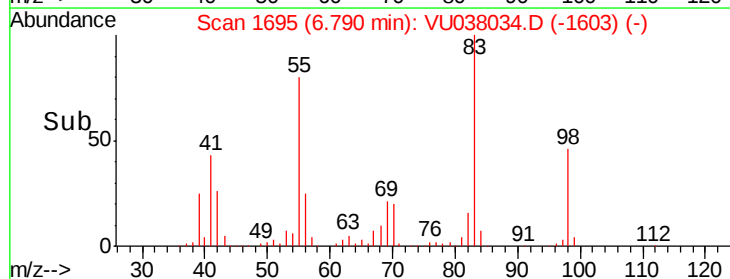
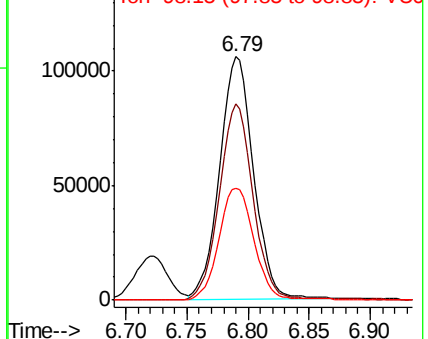
98 47.7 39.4 59.2

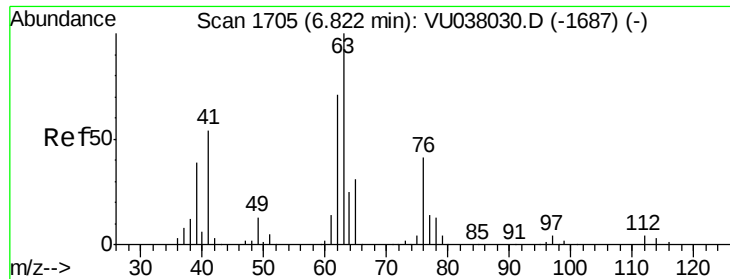


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

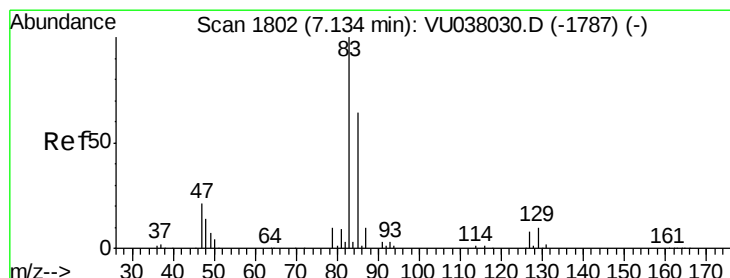
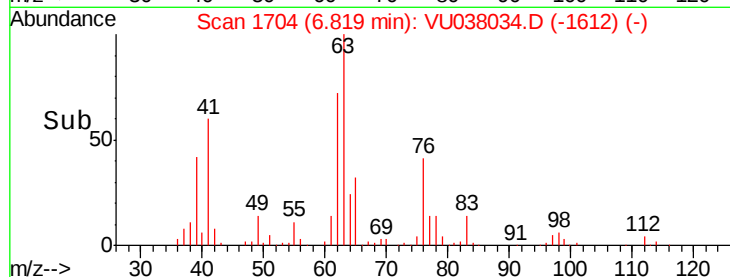
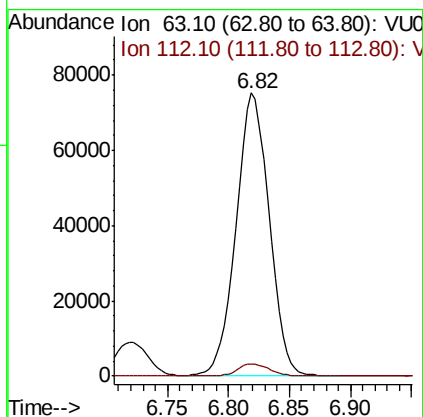
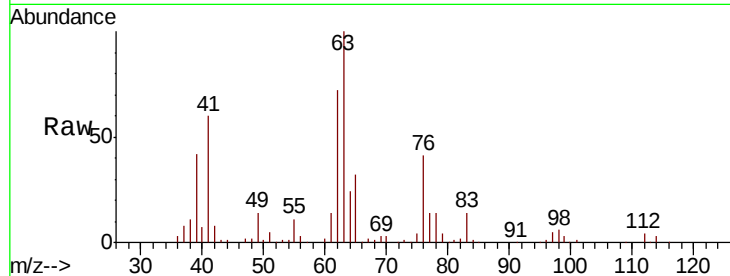




#37
 1,2-Dichloropropane
 Concen: 4.529 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

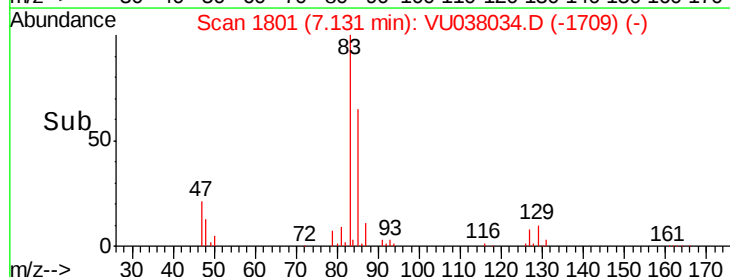
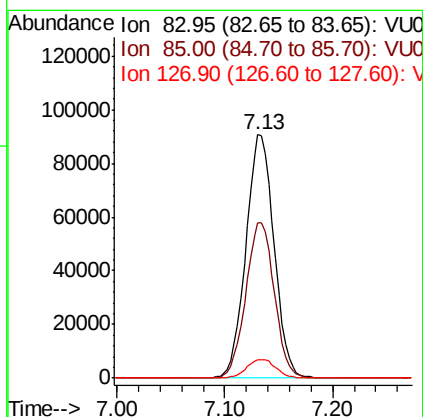
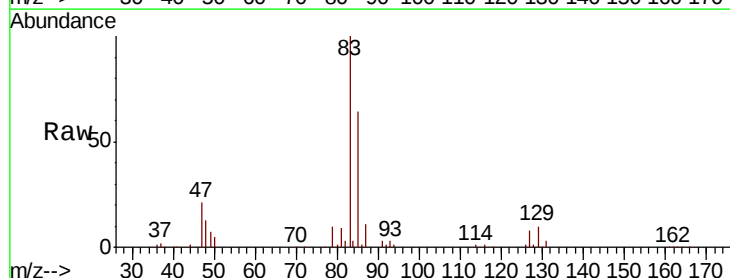
Instrument :
 MSVOA_U
 ClientSampleId :

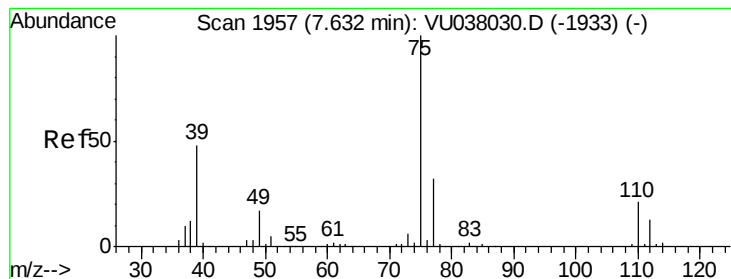
Tot Ion: 63 Resp: 141243
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.524 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion: 83 Resp: 163101
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.6 82.8
 127 7.6 6.4 9.6



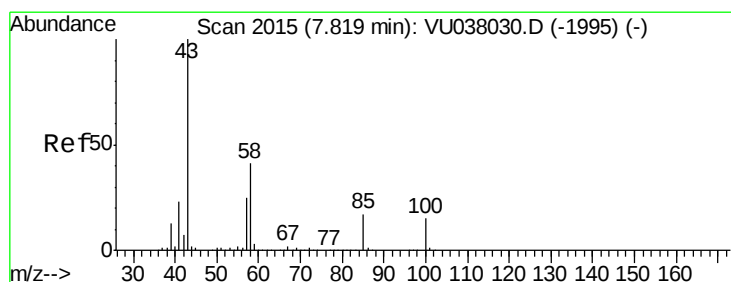
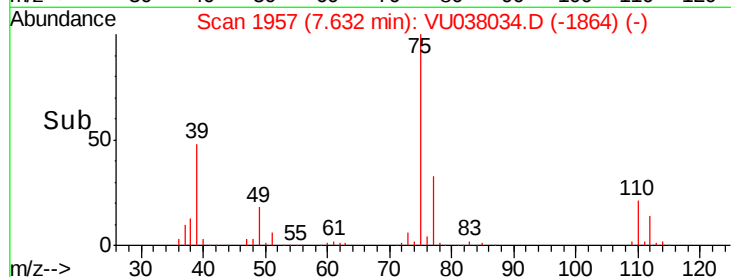
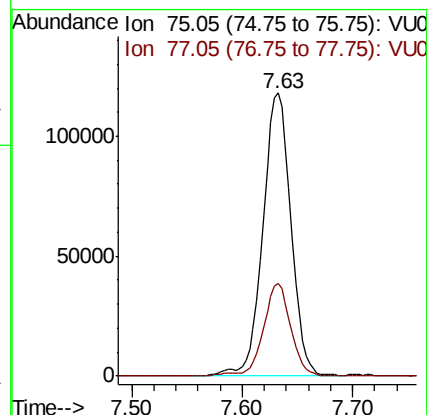
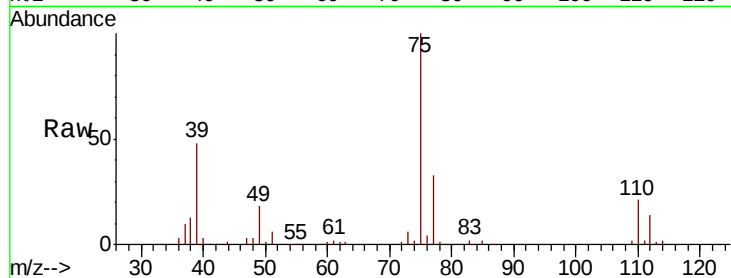


#39

cis-1,3-Dichloropropene
Concen: 4.671 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Instrument :
MSVOA_U
ClientSampleId :

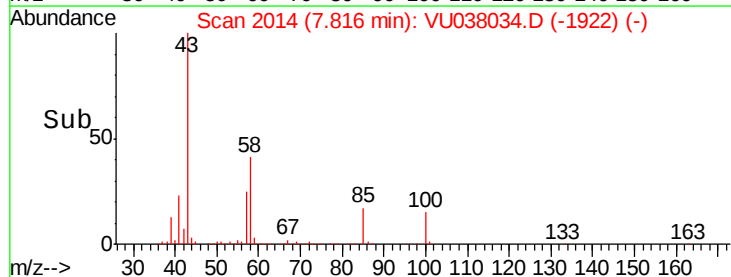
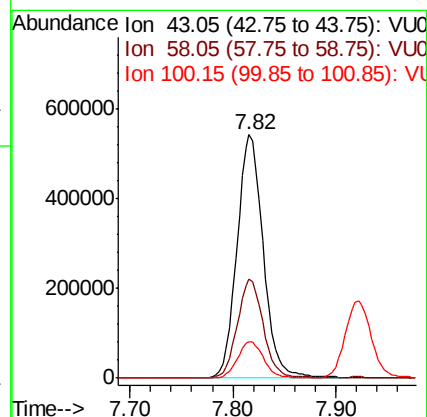
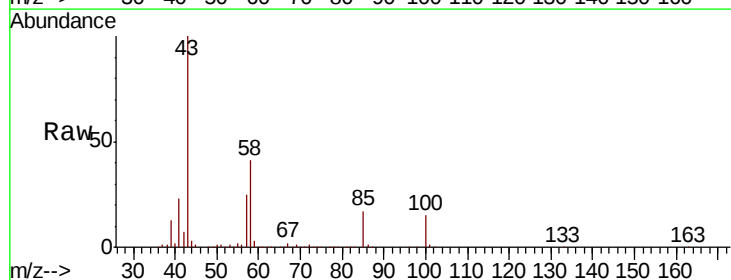
Tot Ion: 75 Resp: 208472
Ion Ratio Lower Upper
75 100
77 32.9 22.4 41.6

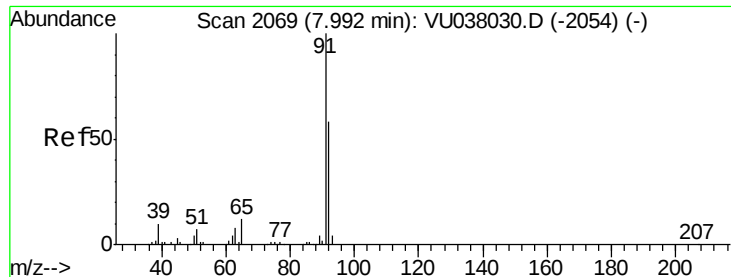


#40

4-Methyl-2-pentanone
Concen: 44.547 ug/L
RT: 7.82 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion: 43 Resp: 962840
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4
100 15.0 12.1 18.1





#42

Toluene

Concen: 4.532 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

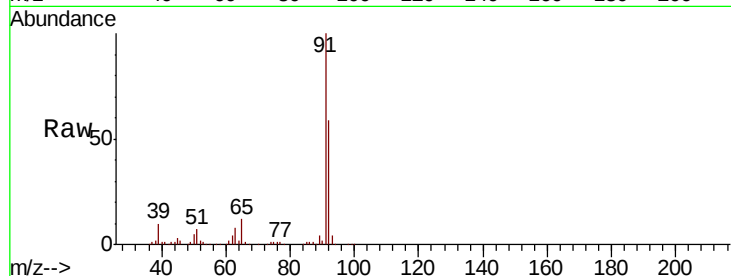
ClientSampleId :

Tot Ion: 91 Resp: 549302

Ion Ratio Lower Upper

91 100

92 58.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038030.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038030.D (-2054) (-)

7.99

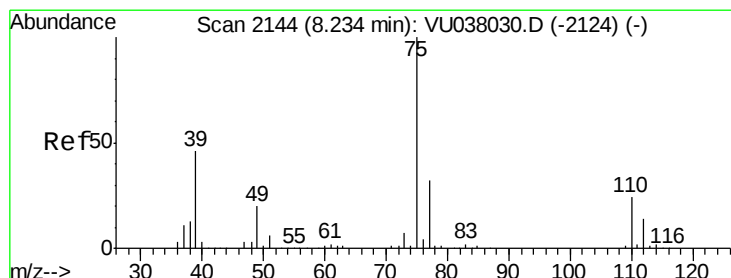
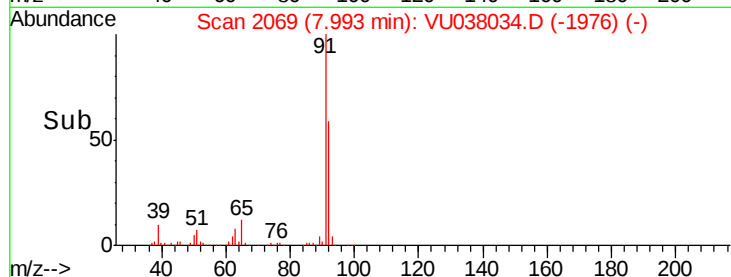
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 4.603 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038034.D

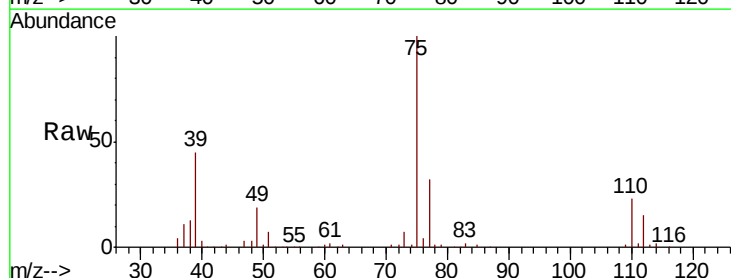
Acq: 07 May 2020 12:34

Tgt Ion: 75 Resp: 174690

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038030.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038030.D (-2124) (-)

8.23

120000

100000

80000

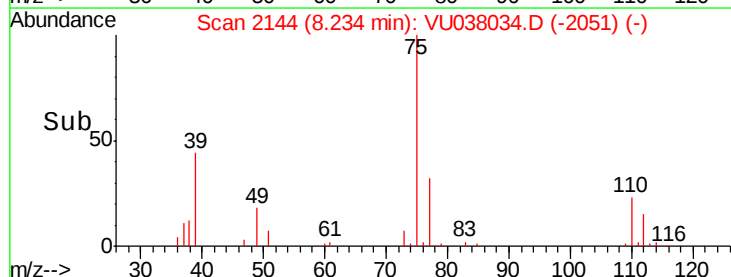
60000

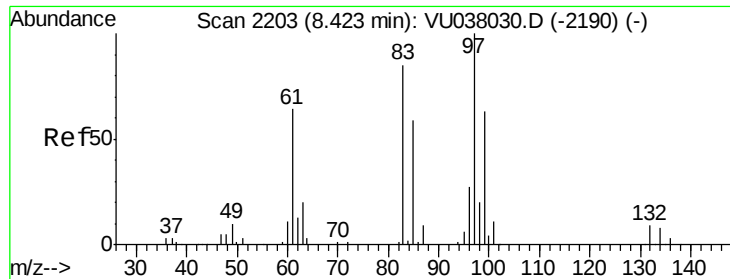
40000

20000

0

Time--> 8.10 8.20 8.30

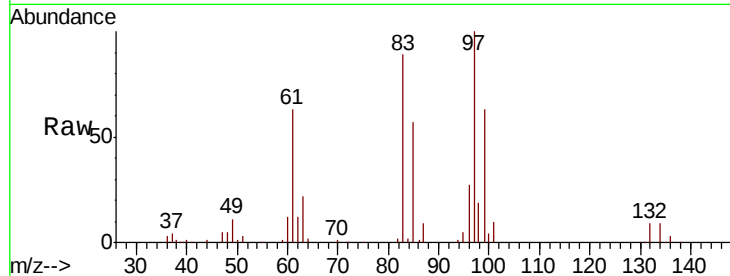




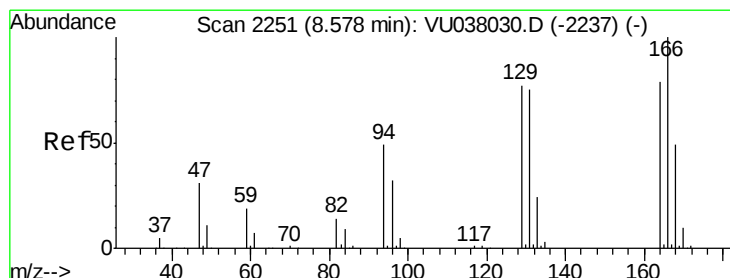
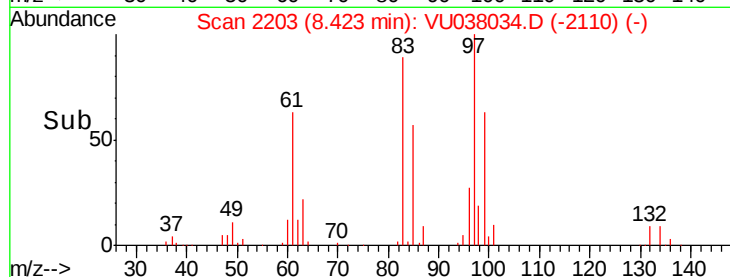
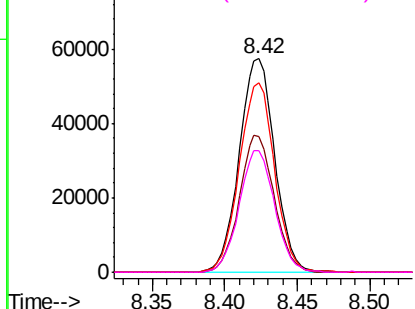
#45
 1,1,2-Trichloroethane
 Concen: 4.518 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	97836
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.0	81.6
83	88.9	59.6	110.8
85	56.8	41.3	76.7

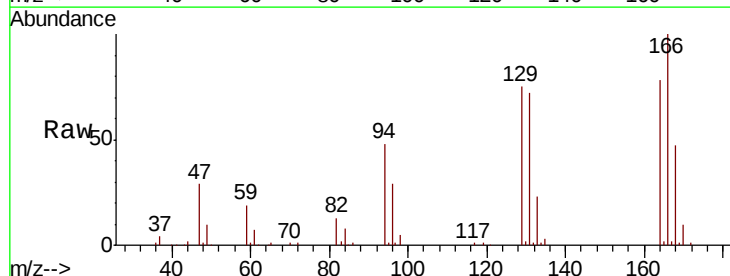


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

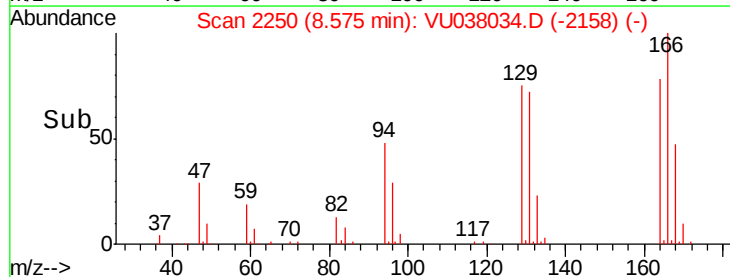
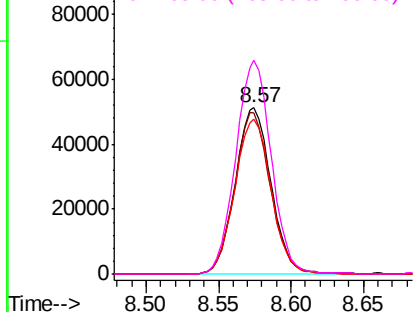


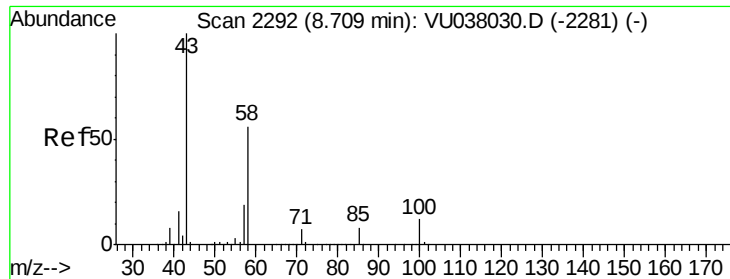
#47
 Tetrachloroethene
 Concen: 4.379 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion:	164	Resp:	87965
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.8	127.8
131	93.2	66.8	124.2
166	128.5	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

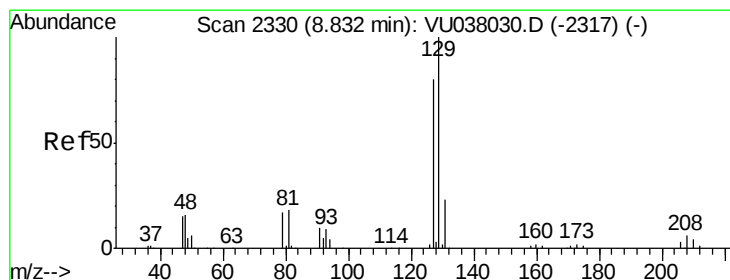
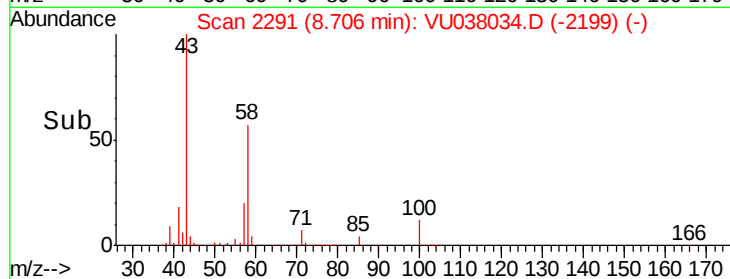
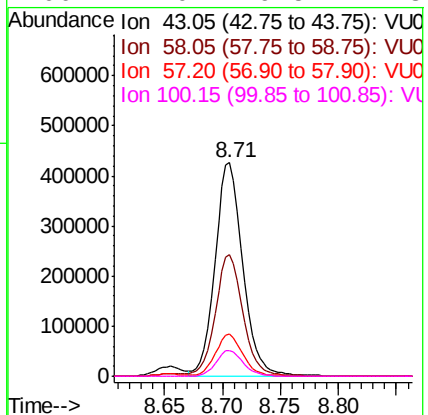
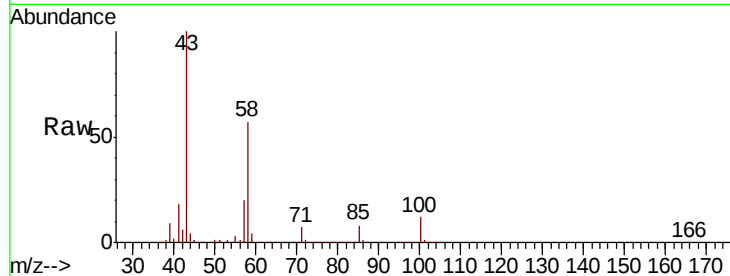




#48
2-Hexanone
Concen: 44.891 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

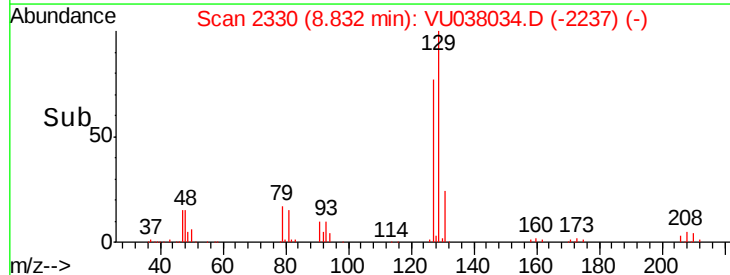
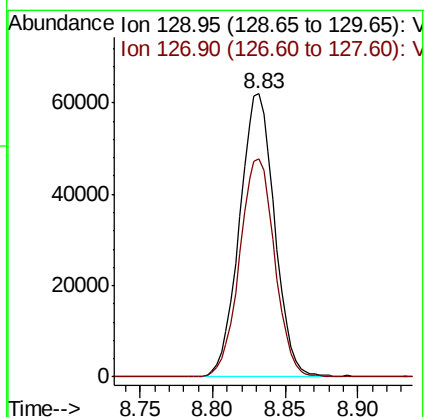
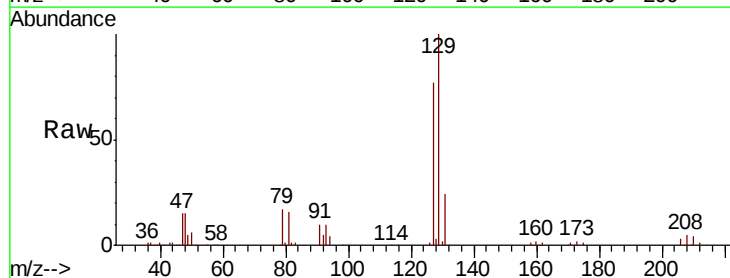
Instrument :
MSVOA_U
ClientSampleId :

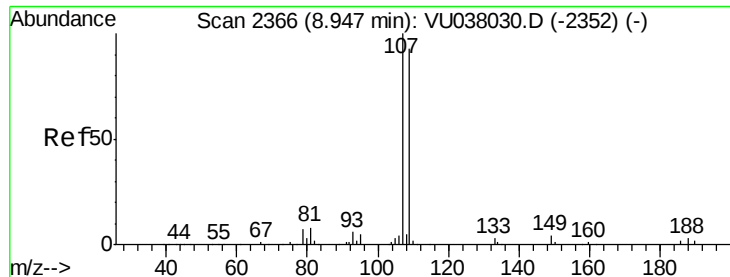
Tot Ion: 43 Resp: 710581
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 19.6 15.5 23.3
100 12.0 9.5 14.3



#49
Dibromochloromethane
Concen: 4.643 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion: 129 Resp: 104341
Ion Ratio Lower Upper
129 100
127 77.3 55.6 103.4

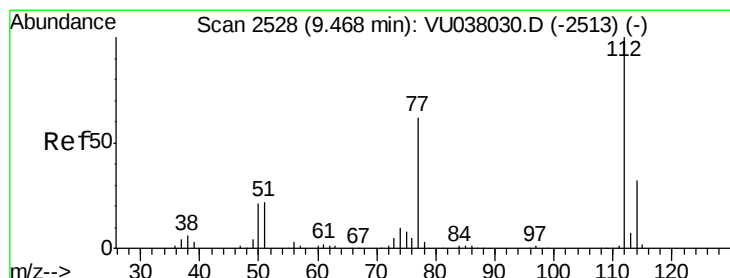
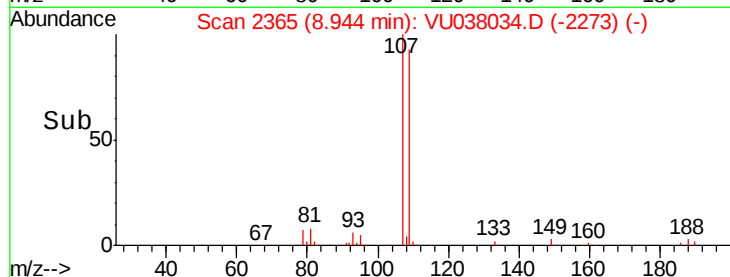
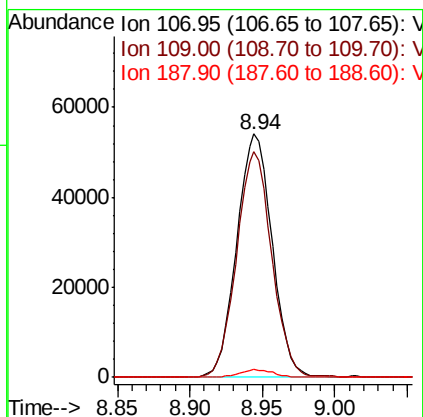
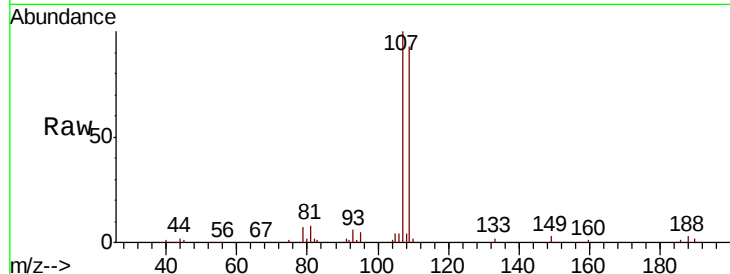




#50
1,2-Dibromoethane
Concen: 4.563 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

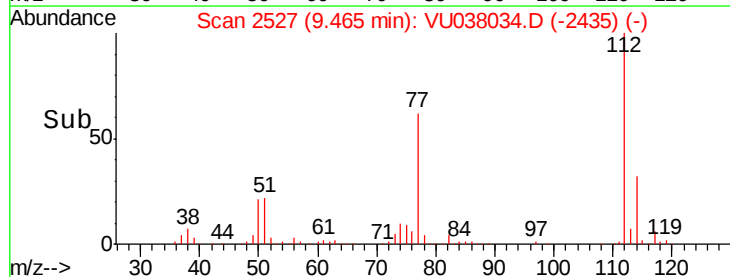
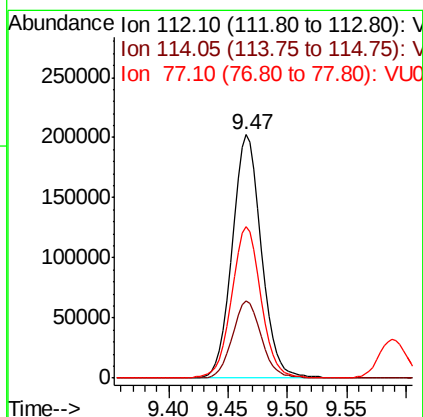
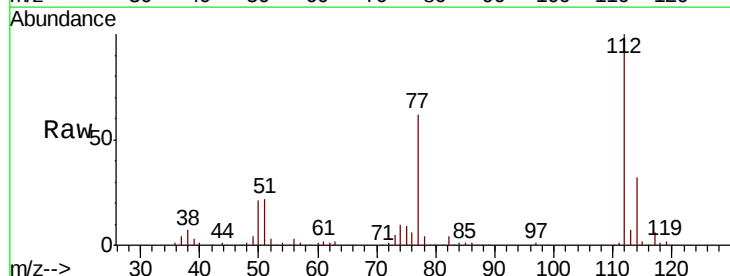
Instrument :
MSVOA_U
ClientSampleId :

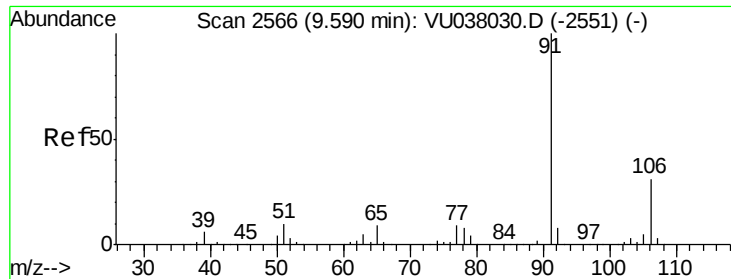
Tot Ion:107 Resp: 91703
Ion Ratio Lower Upper
107 100
109 92.6 65.1 120.9
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 4.576 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion:112 Resp: 344219
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 62.4 49.9 74.9

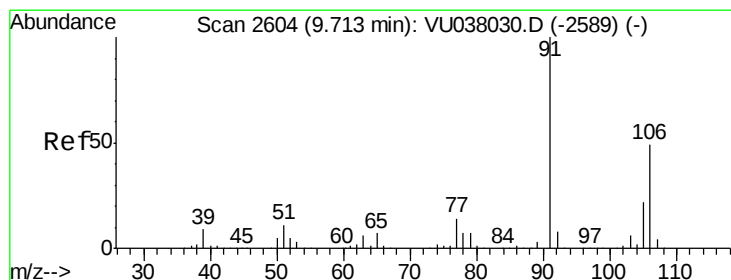
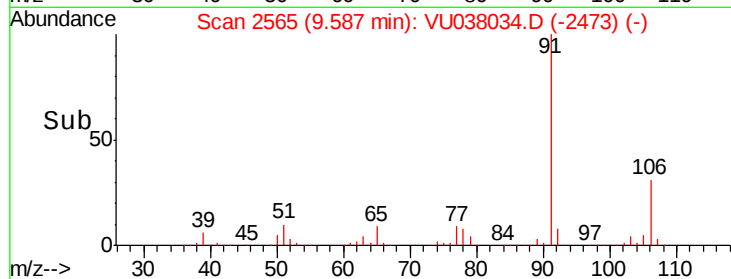
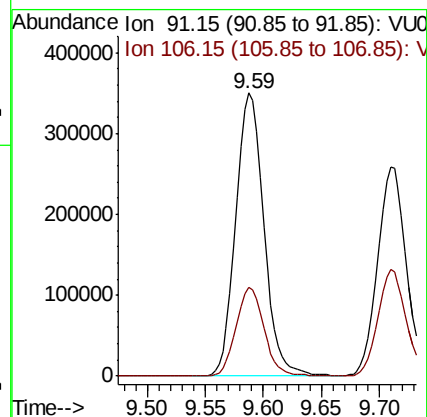
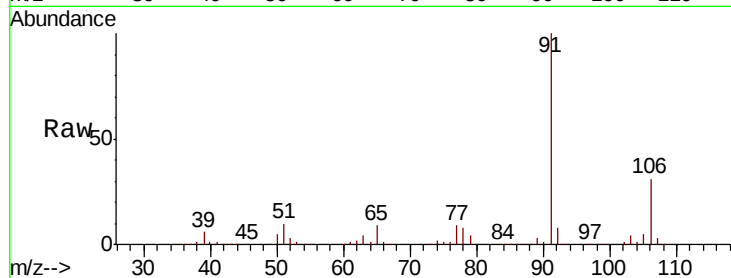




#52
Ethylbenzene
Concen: 4.474 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

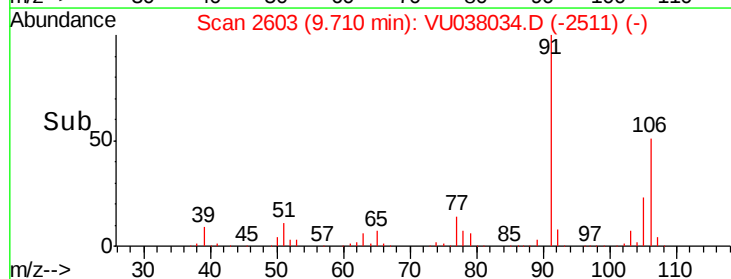
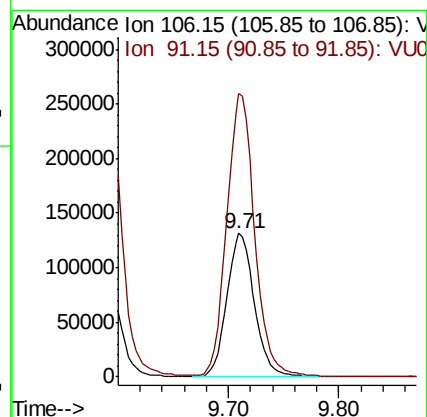
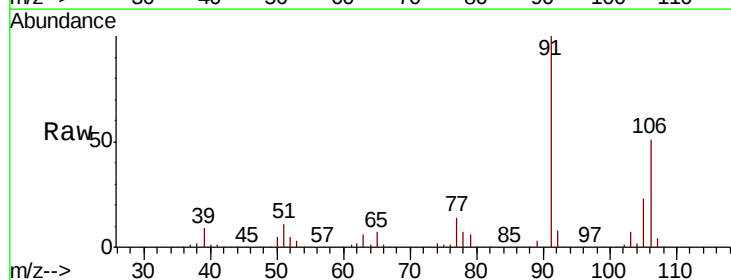
Instrument :
MSVOA_U
ClientSampleId :

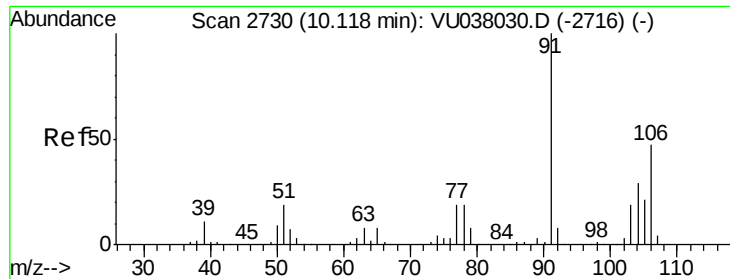
Tot Ion: 91 Resp: 587408
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#53
m,p-Xylene
Concen: 4.522 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion: 106 Resp: 227655
Ion Ratio Lower Upper
106 100
91 197.5 142.1 263.9

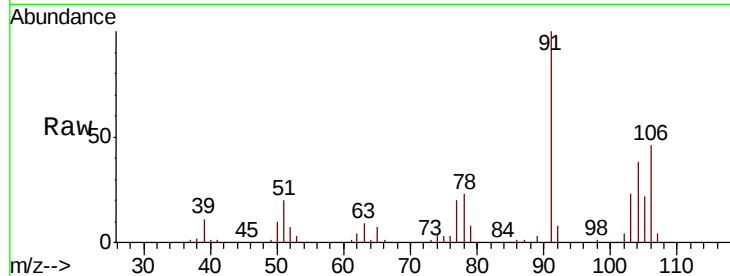




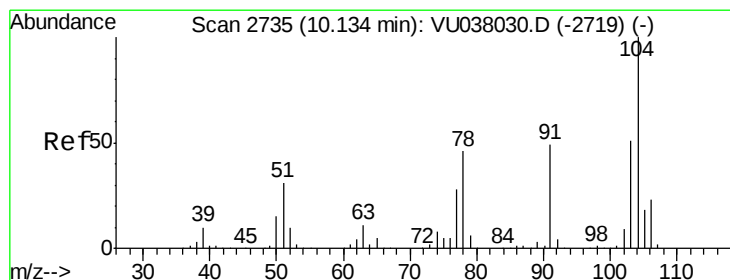
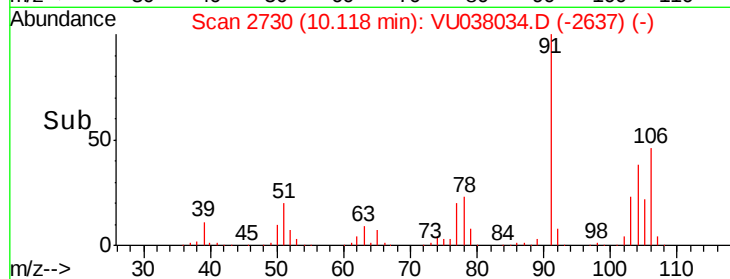
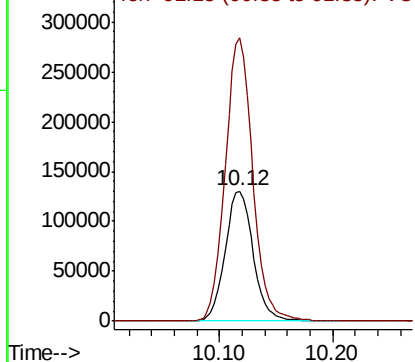
#54
o-Xylene
Concen: 4.602 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 224008
Ion Ratio Lower Upper
106 100
91 217.7 148.5 275.9

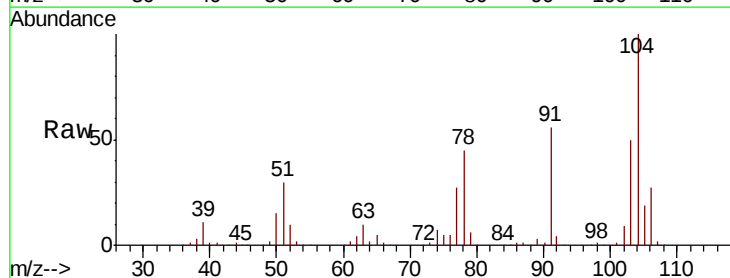


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

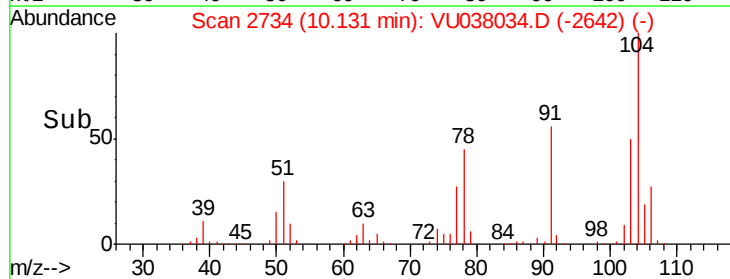
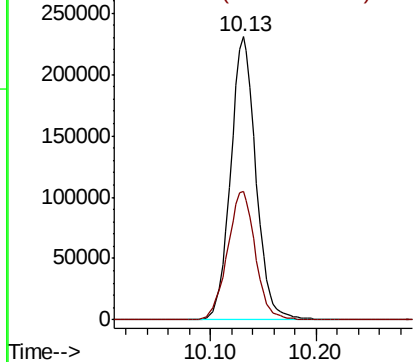


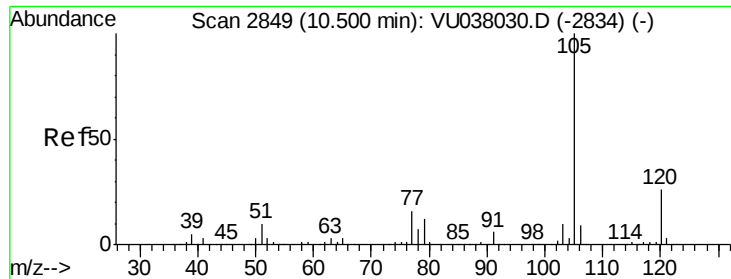
#55
Styrene
Concen: 4.663 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038034.D
Acq: 07 May 2020 12:34

Tgt Ion:104 Resp: 381032
Ion Ratio Lower Upper
104 100
78 45.3 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: 4.521 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampleId :

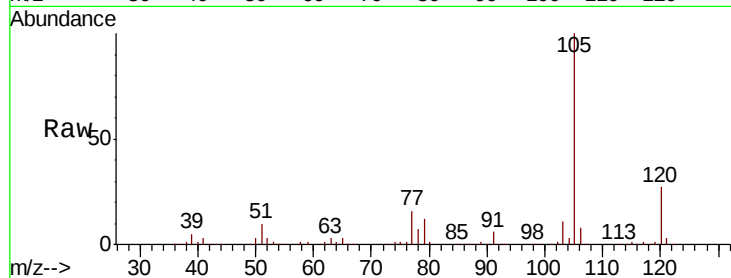
Tot Ion:105 Resp: 565214

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

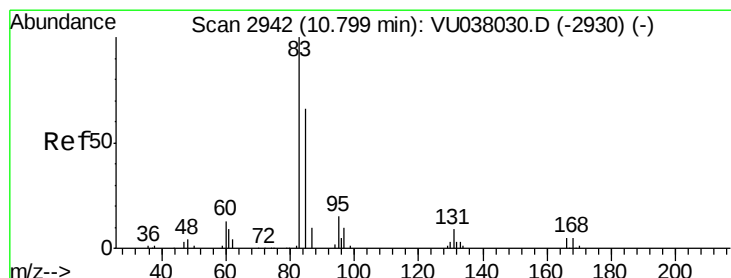
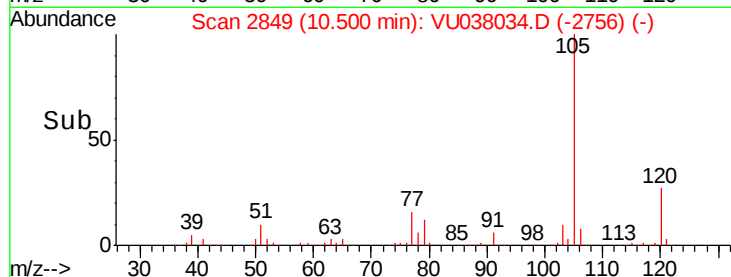
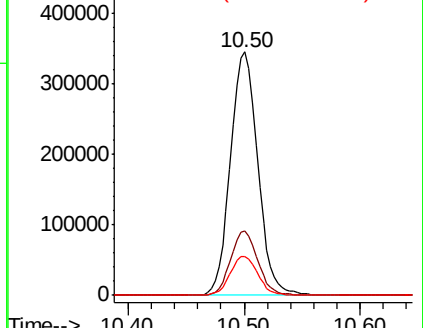
77 16.2 13.0 19.4



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: 4.476 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

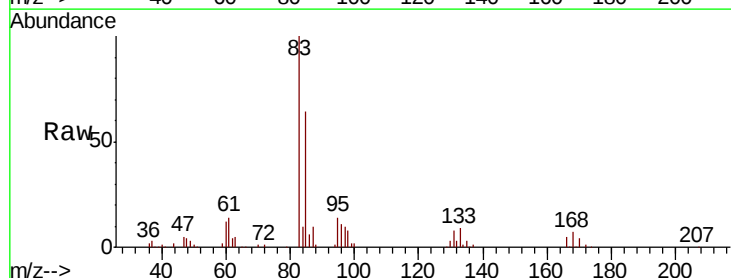
Tgt Ion: 83 Resp: 123077

Ion Ratio Lower Upper

83 100

85 64.3 47.0 87.2

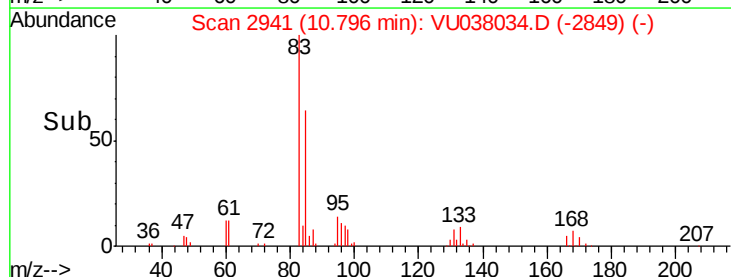
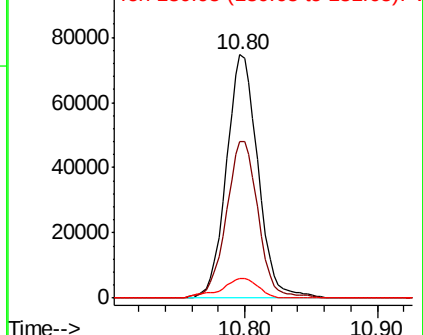
131 7.9 7.7 11.5

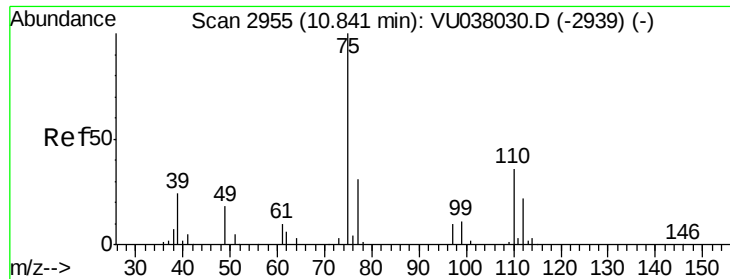


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

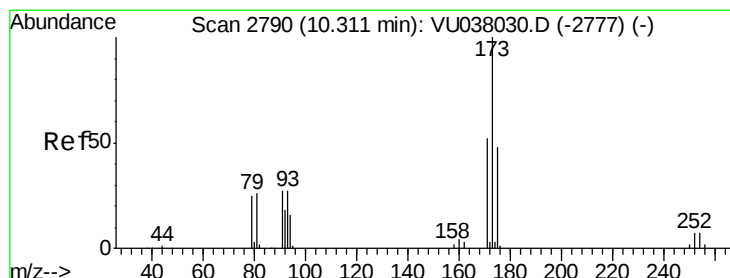
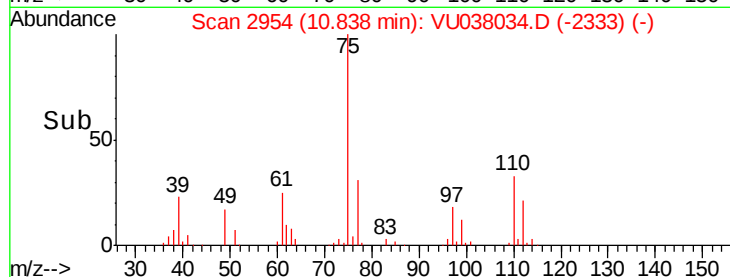
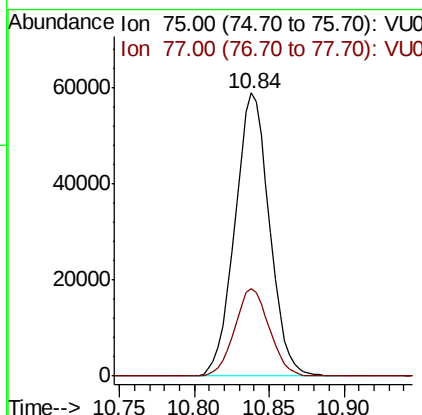
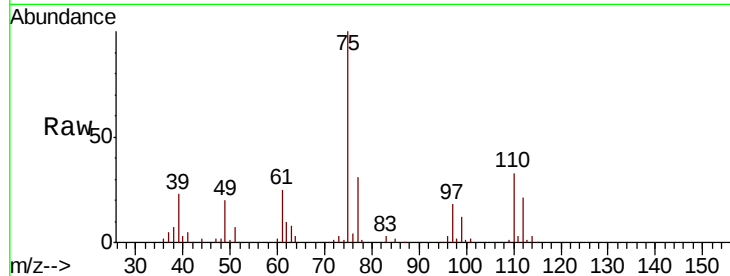




#59
 1,2,3-Trichloropropane
 Concen: 4.522 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

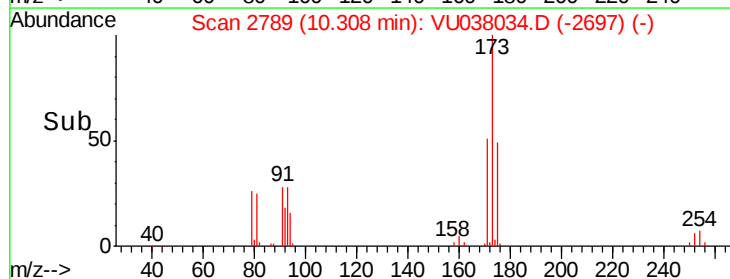
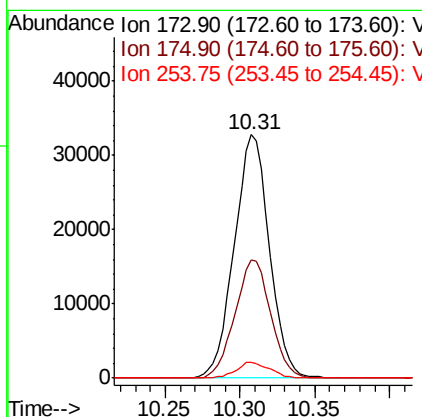
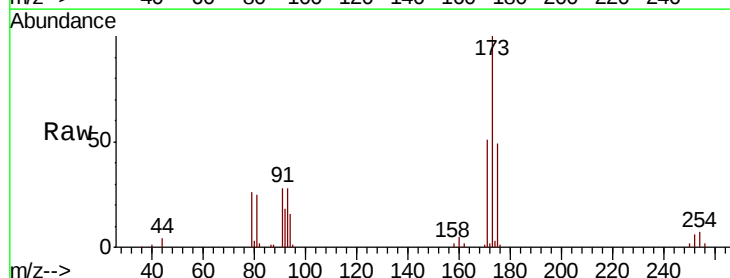
Instrument :
 MSVOA_U
 ClientSampleId :

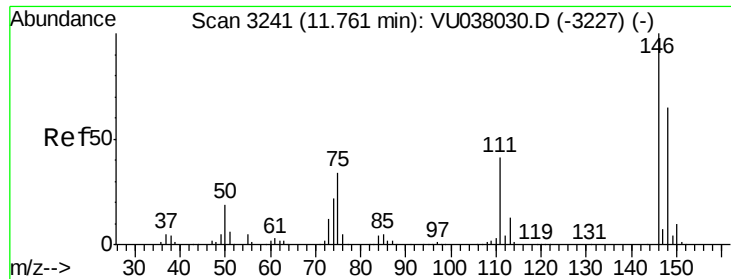
Tot Ion: 75 Resp: 94647
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0



#61
 Bromoform
 Concen: 4.624 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion:173 Resp: 53493
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.5 59.3
 254 6.1 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 4.706 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampleId :

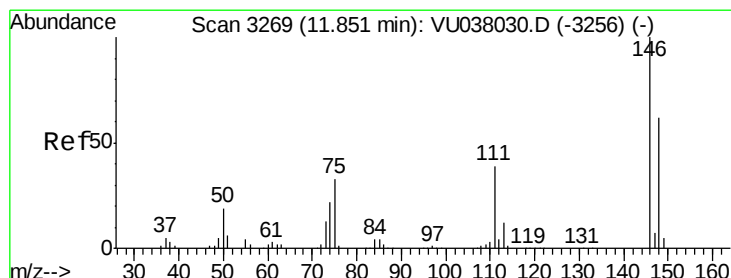
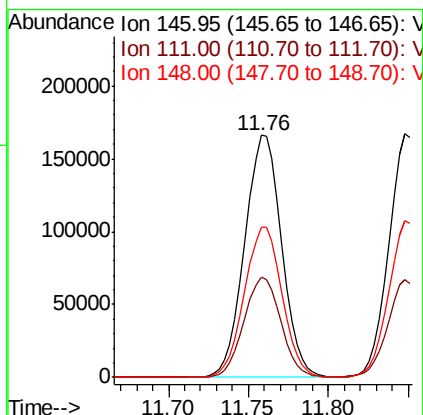
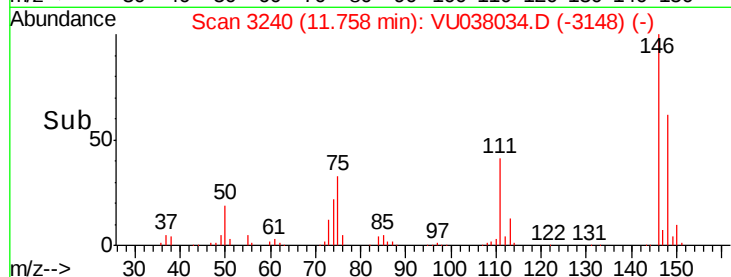
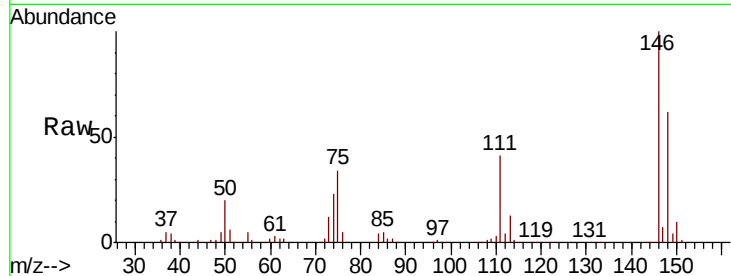
Tot Ion:146 Resp: 262044

Ion Ratio Lower Upper

146 100

111 41.3 28.6 53.2

148 61.9 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 4.625 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

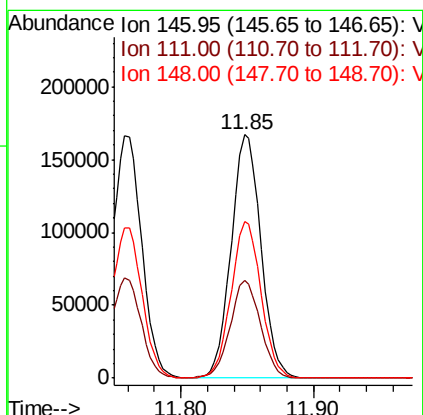
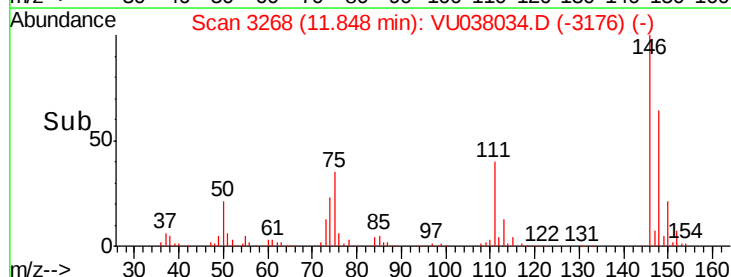
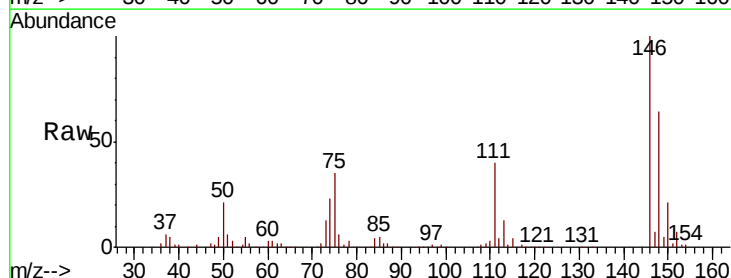
Tgt Ion:146 Resp: 260963

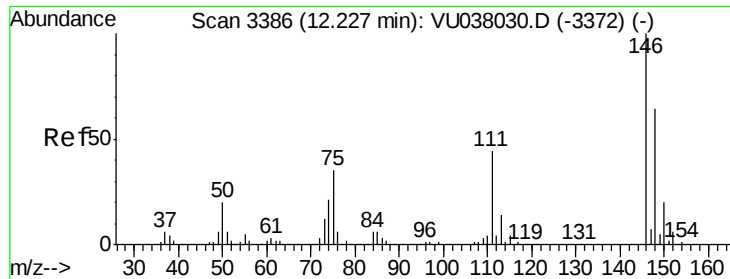
Ion Ratio Lower Upper

146 100

111 40.3 27.2 50.6

148 64.3 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.657 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampled :

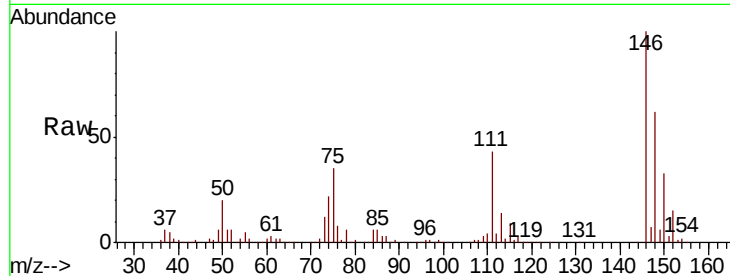
Tot Ion:146 Resp: 249474

Ion Ratio Lower Upper

146 100

111 42.9 35.3 52.9

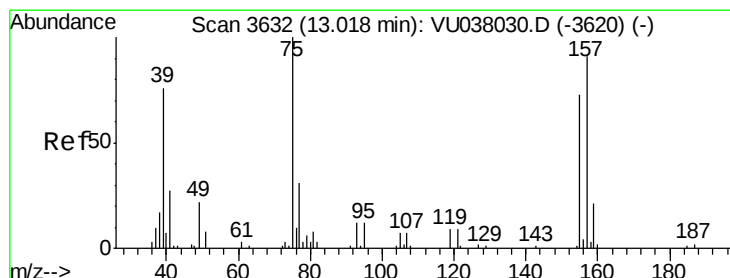
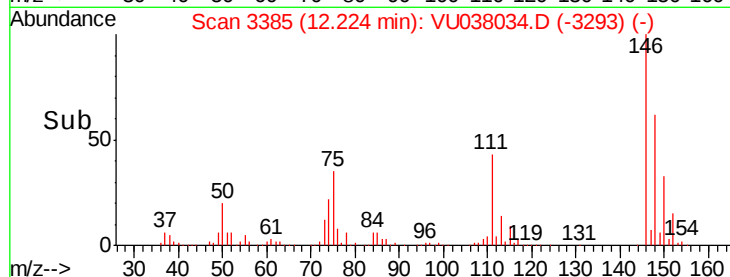
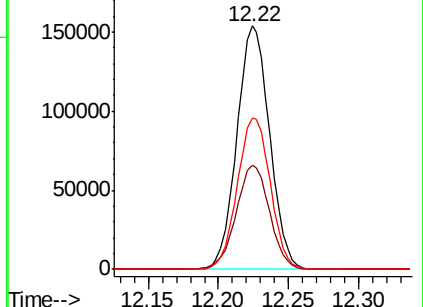
148 62.4 51.0 76.4



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: 4.531 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

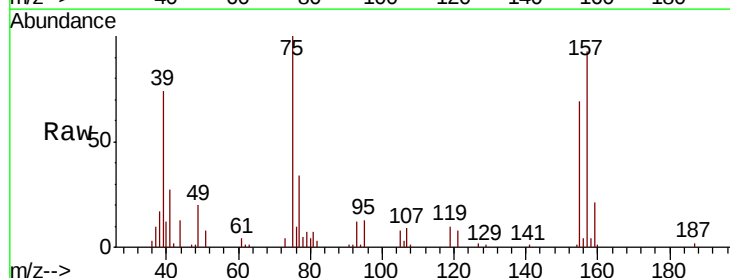
Tgt Ion: 75 Resp: 19840

Ion Ratio Lower Upper

75 100

155 69.3 58.2 87.2

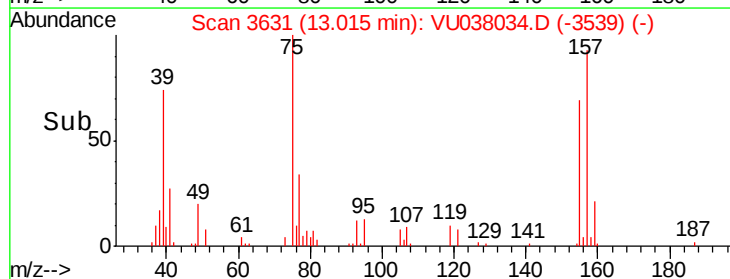
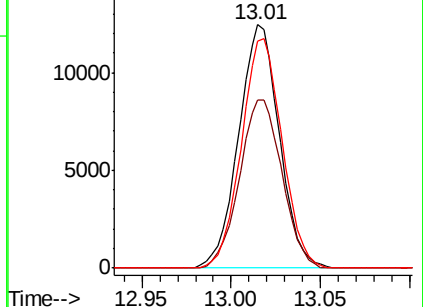
157 93.3 72.9 109.3

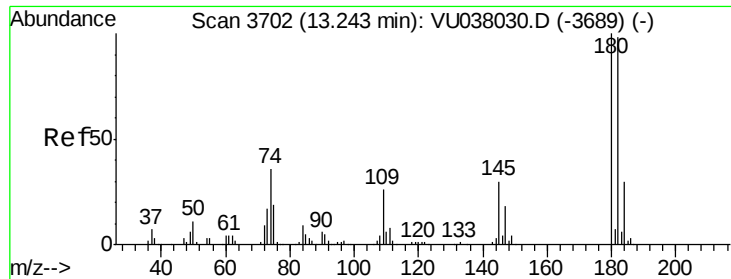


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

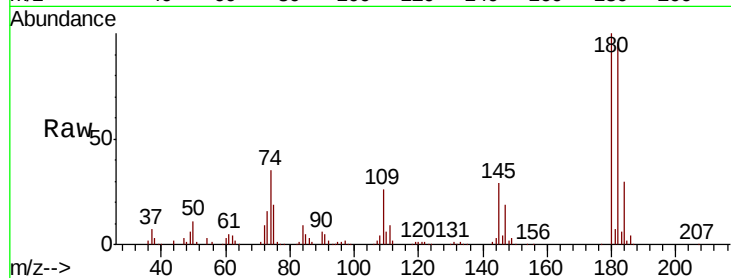




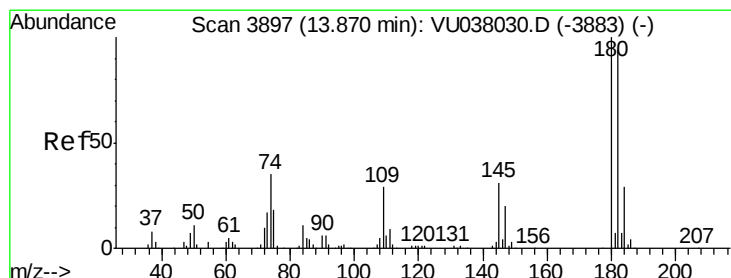
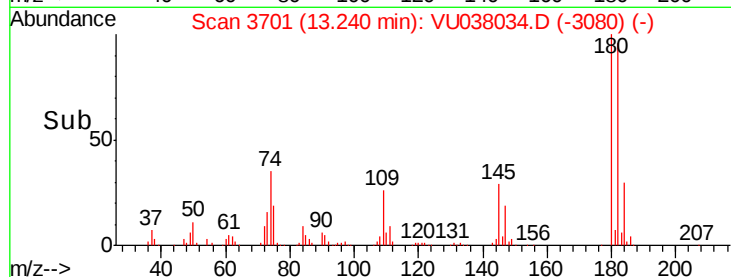
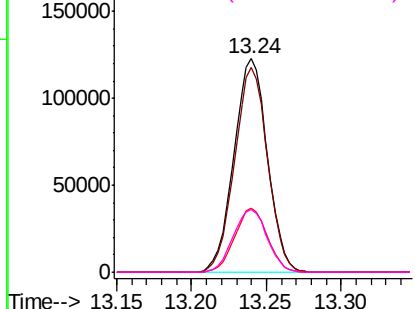
#67
 1,3,5-Trichlorobenzene
 Concen: 4.723 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	190829
Ion Ratio	Lower	Upper
180	100	
182	94.6	77.4 116.2
184	29.6	24.2 36.2
145	29.9	24.0 36.0

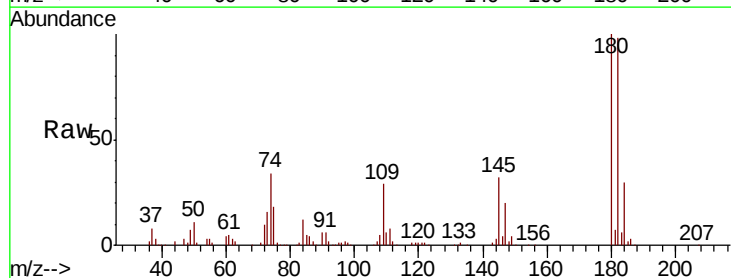


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

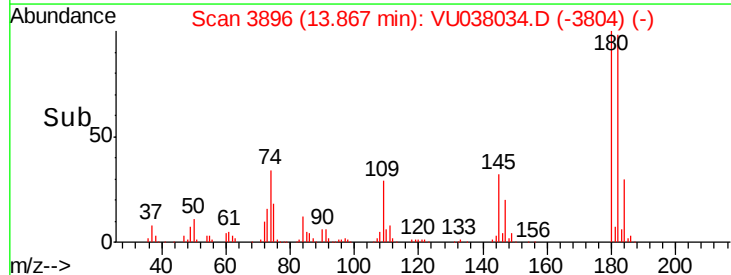
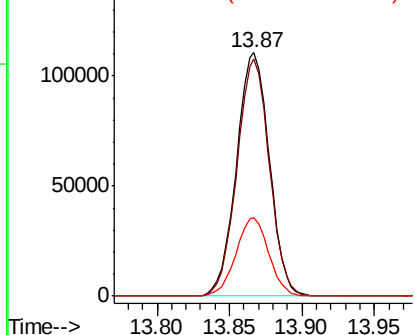


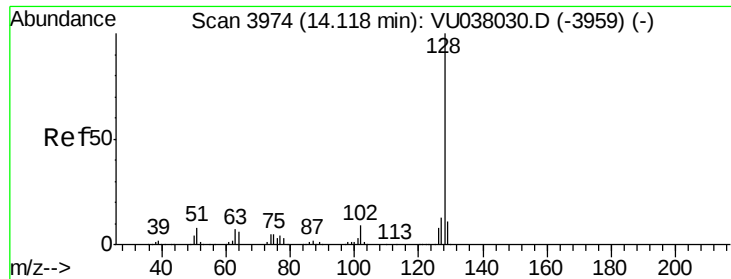
#68
 1,2,4-trichlorobenzene
 Concen: 4.747 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038034.D
 Acq: 07 May 2020 12:34

Tgt Ion:180	Resp:	173959
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.0 112.6
145	32.1	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: 4.909 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

Instrument :

MSVOA_U

ClientSampleId :

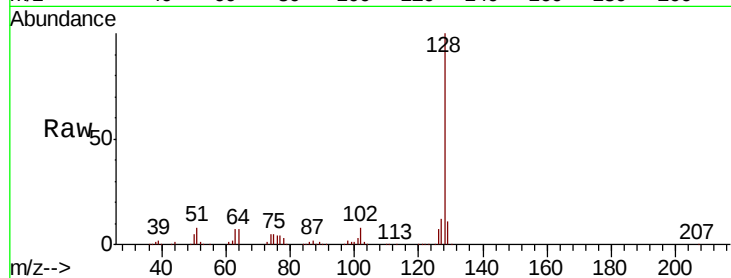
Tot Ion:128 Resp: 378768

Ion Ratio Lower Upper

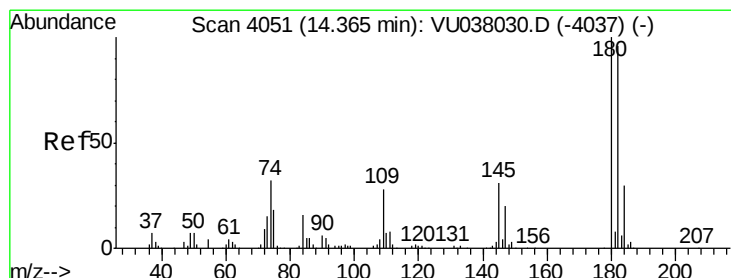
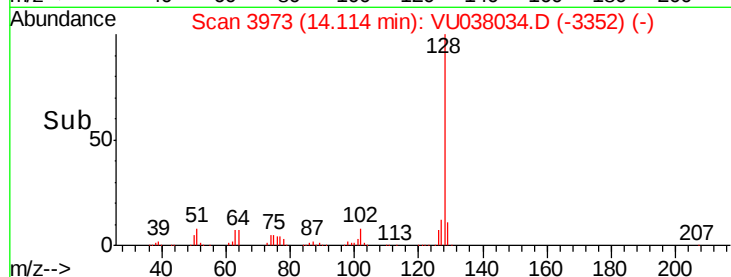
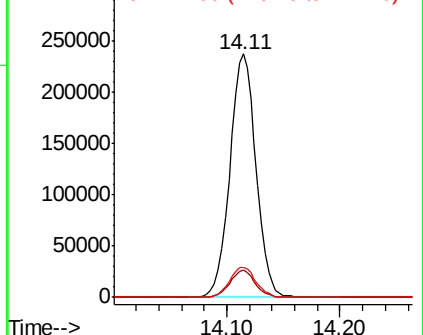
128 100

129 10.8 8.7 13.1

127 12.6 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: 4.817 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038034.D

Acq: 07 May 2020 12:34

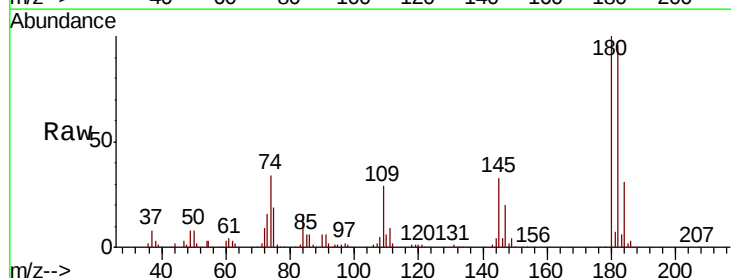
Tgt Ion:180 Resp: 164106

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 32.9 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

