

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090420\
 Data File : VU040038.D
 Acq On : 04 Sep 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 05 02:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 04 15:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124634	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119745	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29797	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.92	69	26019	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	79960	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.64	46	134207	49.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.62%
24) Chloroform-d	5.08	84	77106	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	45647	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.74	84	134259	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	45438	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	124907	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.19	79	19869	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	102815	51.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41074	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	48681	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	62955	5.090	ug/L 99
3) Chloromethane	1.53	50	60722	5.128	ug/L 97
5) Vinyl chloride	1.61	62	58877	4.904	ug/L 98
6) Bromomethane	1.86	94	31871	5.194	ug/L 91
8) Chloroethane	1.94	64	36549	5.066	ug/L 99
9) Trichlorofluoromethane	2.15	101	90117	5.240	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55554	4.984	ug/L 98
12) 1,1-Dichloroethene	2.59	96	50091	5.193	ug/L 92
13) Acetone	2.64	43	121748	48.320	ug/L 96
14) Carbon disulfide	2.81	76	149735	4.842	ug/L 100
15) Methyl Acetate	2.96	43	29340	4.640	ug/L 98
16) Methylene chloride	3.06	84	57848	4.580	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	144606	4.974	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	52965	5.105	ug/L 96
19) 1,1-Dichloroethane	3.89	63	109466	5.126	ug/L 99
21) 2-Butanone	4.72	43	203063	49.364	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	57322	5.138	ug/L 99

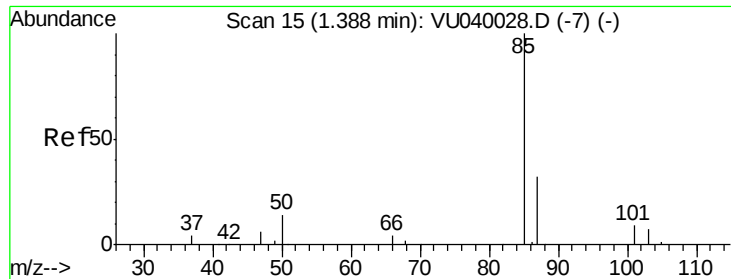
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090420\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 04 15:15:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26114	5.342	ug/L	96
25) Chloroform	5.11	83	110784	5.065	ug/L	98
27) 1,2-Dichloroethane	5.81	62	82830	5.169	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	97072	5.163	ug/L	99
30) Cyclohexane	5.40	56	92418	5.069	ug/L	98
31) Carbon tetrachloride	5.54	117	81137	5.043	ug/L	100
33) Benzene	5.79	78	221342	5.167	ug/L	100
34) Trichloroethene	6.55	95	59887	5.212	ug/L	97
35) Methylcyclohexane	6.77	83	89417	5.082	ug/L	97
37) 1,2-Dichloropropane	6.80	63	60754	5.238	ug/L	100
38) Bromodichloromethane	7.11	83	81302	5.134	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	89048	5.205	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	491528	51.646	ug/L	100
42) Toluene	7.98	91	233082	5.283	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	83702	5.280	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	45040	5.330	ug/L	98
47) Tetrachloroethene	8.56	164	41086	5.443	ug/L	99
48) 2-Hexanone	8.69	43	364141	52.453	ug/L	99
49) Dibromochloromethane	8.81	129	54255	5.349	ug/L	98
50) 1,2-Dibromoethane	8.93	107	43012	5.279	ug/L	94
51) Chlorobenzene	9.45	112	147976	5.403	ug/L	98
52) Ethylbenzene	9.57	91	266425	5.315	ug/L	98
53) m,p-Xylene	9.69	106	98892	5.541	ug/L	98
54) o-Xylene	10.10	106	93003	5.469	ug/L	99
55) Styrene	10.11	104	170144	5.753	ug/L	95
56) Isopropylbenzene	10.48	105	264765	5.709	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60290	5.564	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	47106	5.481	ug/L	97
61) Bromoform	10.29	173	28520	5.075	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	123637	5.521	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	124817	5.508	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	115898	5.348	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	12451	5.372	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	86854	5.516	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	77103	5.685	ug/L	99
69) Naphthalene	14.08	128	168407	5.957	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	71667	5.752	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.090 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

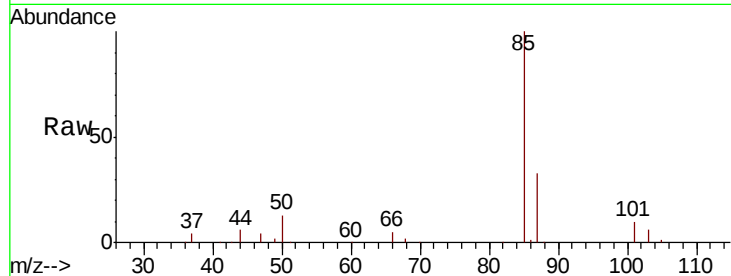
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 62955

Ion Ratio Lower Upper

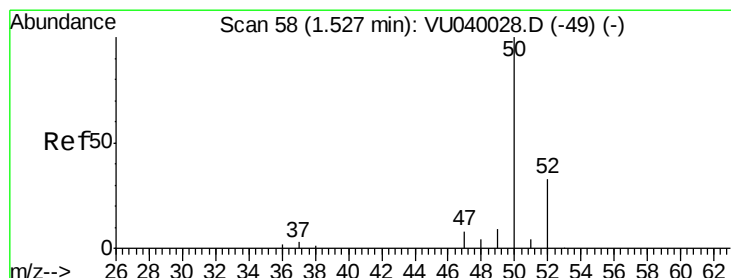
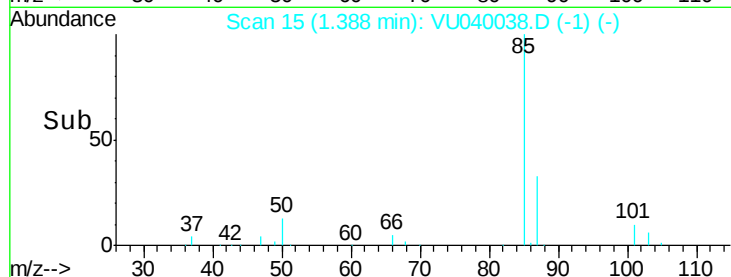
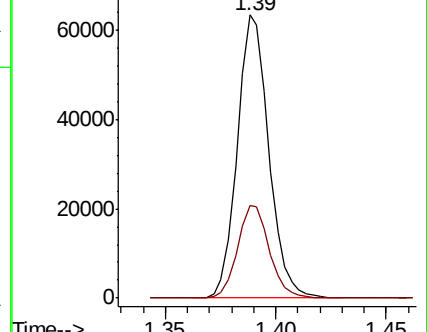
85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040038.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040038.D (-7) (-)



#3

Chloromethane

Concen: 5.128 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040038.D

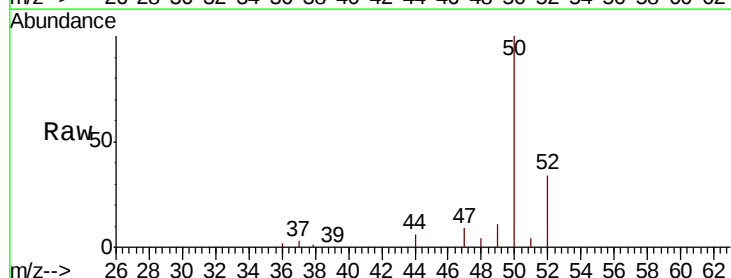
Acq: 04 Sep 2020 10:04

Tgt Ion: 50 Resp: 60722

Ion Ratio Lower Upper

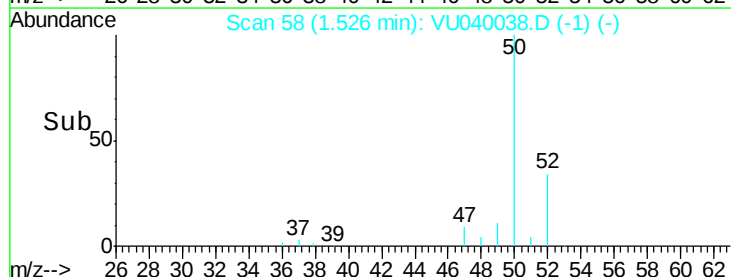
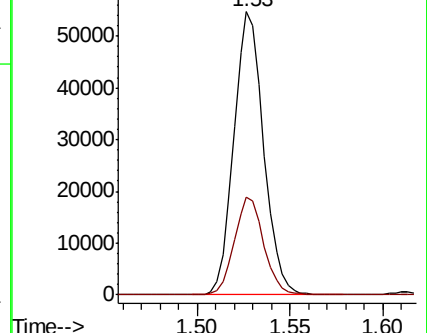
50 100

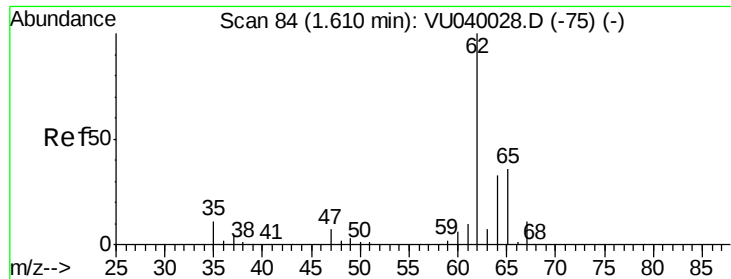
52 34.4 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040038.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040038.D (-49) (-)





#5

Vinyl chloride

Concen: 4.904 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

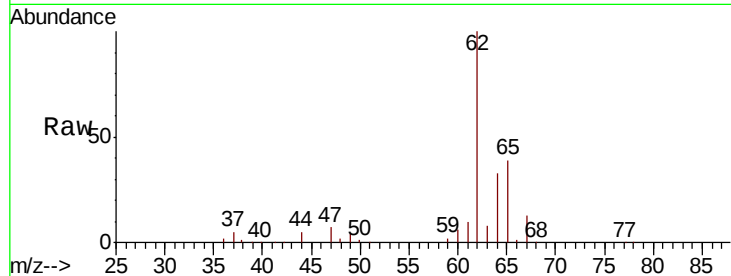
ClientSampleId :

Tot Ion: 62 Resp: 58877

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

60000

50000

40000

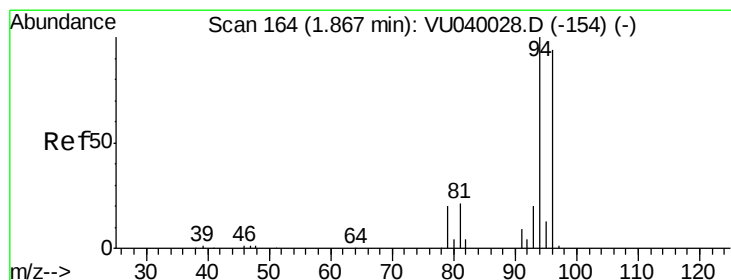
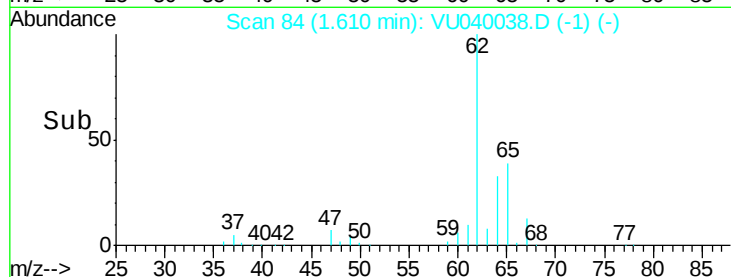
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.194 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040038.D

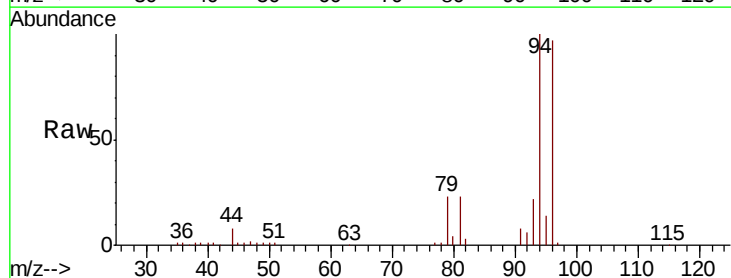
Acq: 04 Sep 2020 10:04

Tgt Ion: 94 Resp: 31871

Ion Ratio Lower Upper

94 100

96 97.2 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

30000

25000

20000

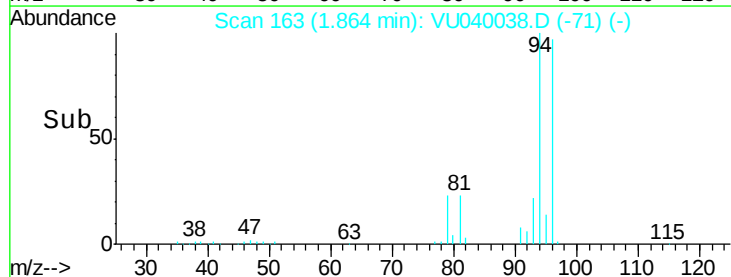
15000

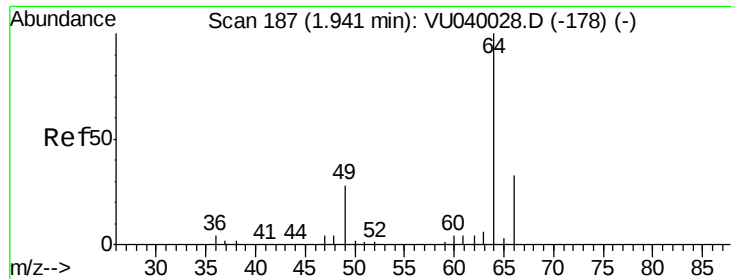
10000

5000

0

Time--> 1.80 1.85 1.90

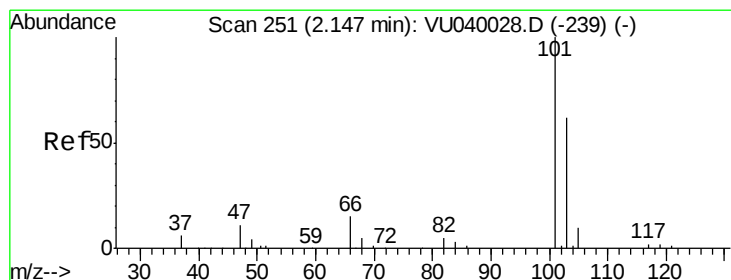
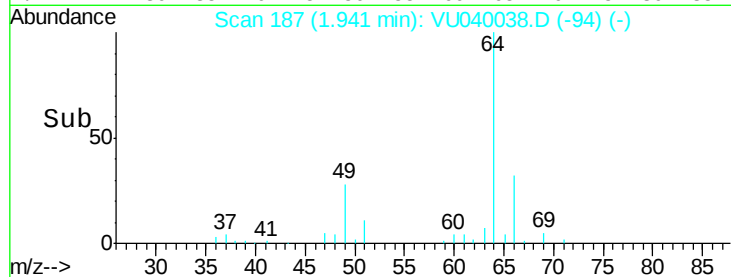
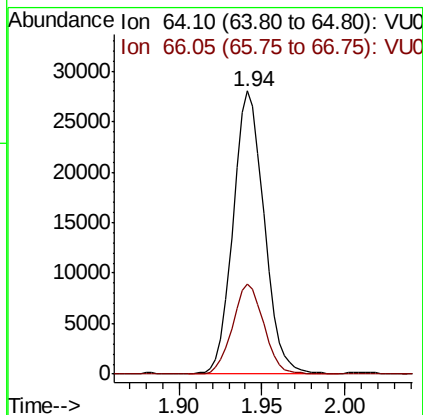
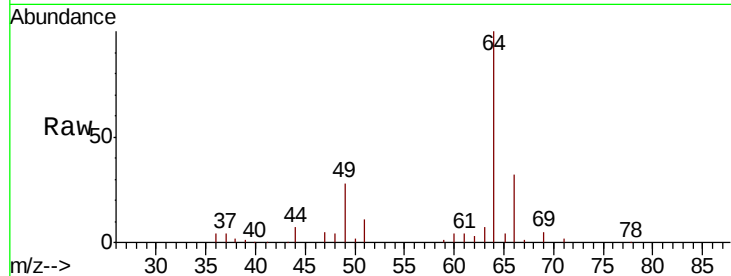




#8
Chloroethane
Concen: 5.066 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

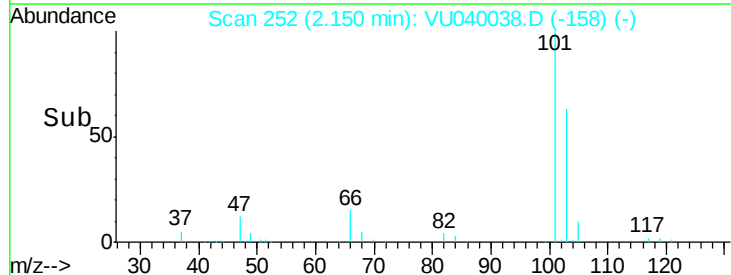
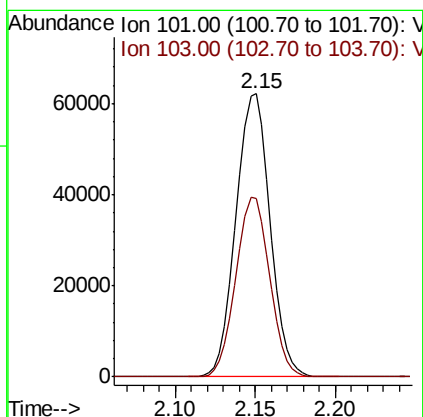
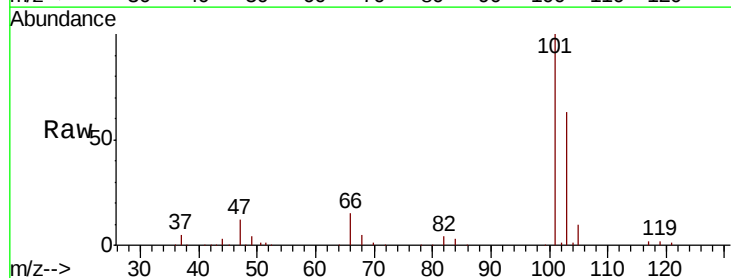
Instrument :
MSVOA_U
ClientSampleId :

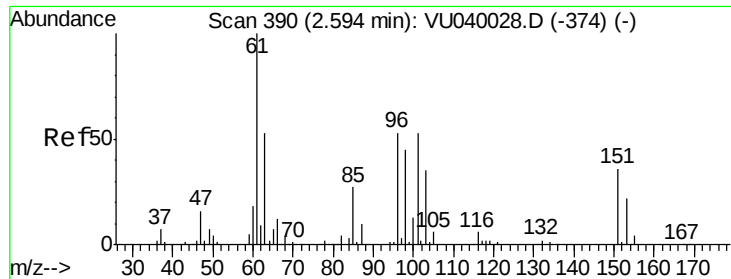
Tot Ion: 64 Resp: 36549
Ion Ratio Lower Upper
64 100
66 32.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.240 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion:101 Resp: 90117
Ion Ratio Lower Upper
101 100
103 63.1 51.3 76.9





#10

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

Concen: 4.984 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

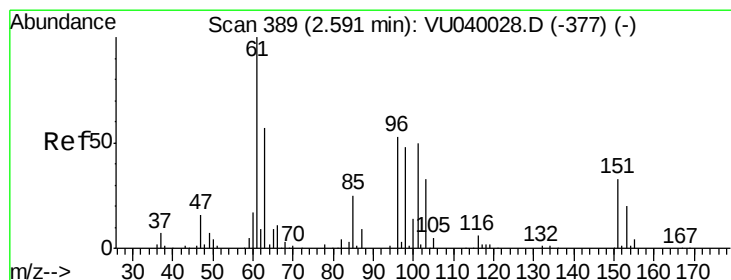
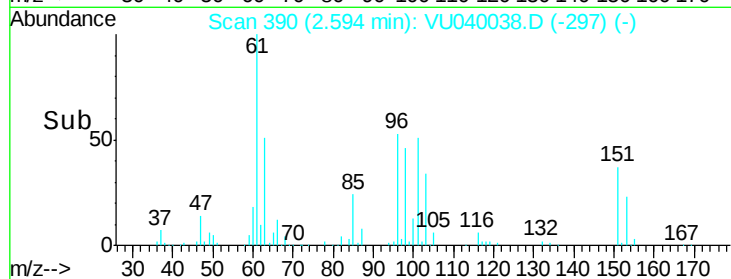
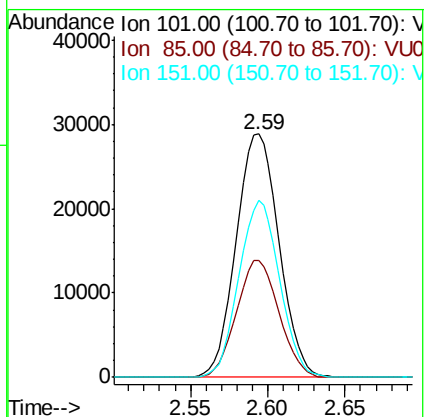
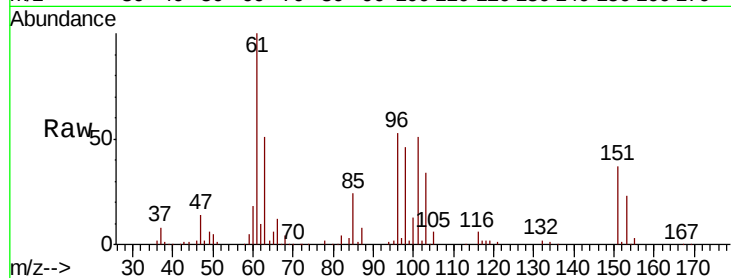
Tot Ion:101 Resp: 55554

Ion Ratio Lower Upper

101 100

85 47.5 37.7 56.5

151 69.2 53.9 80.9



#12

1,1-Dichloroethene

Concen: 5.193 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

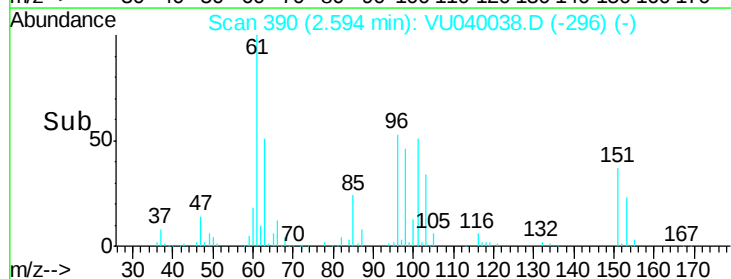
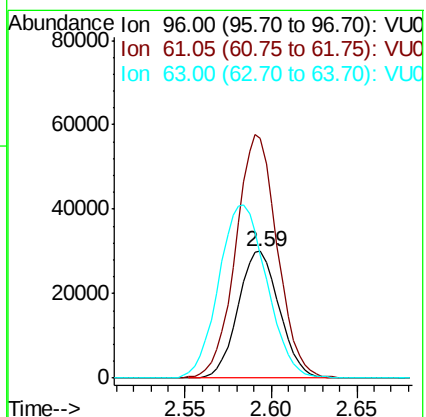
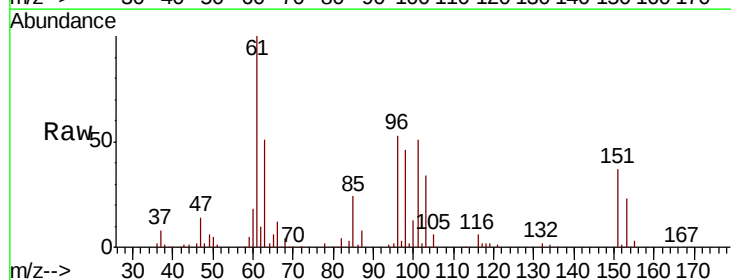
Tgt Ion: 96 Resp: 50091

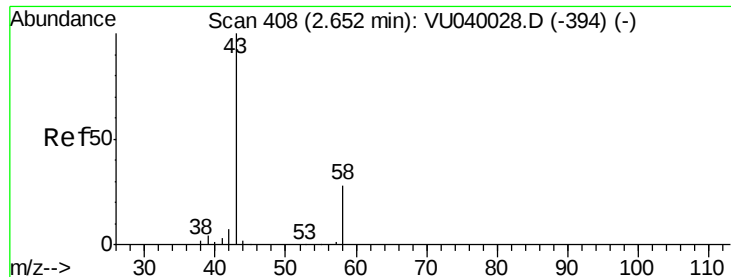
Ion Ratio Lower Upper

96 100

61 189.8 138.3 256.8

63 96.9 77.6 144.2





#13

Acetone

Concen: 48.320 ug/L

RT: 2.64 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

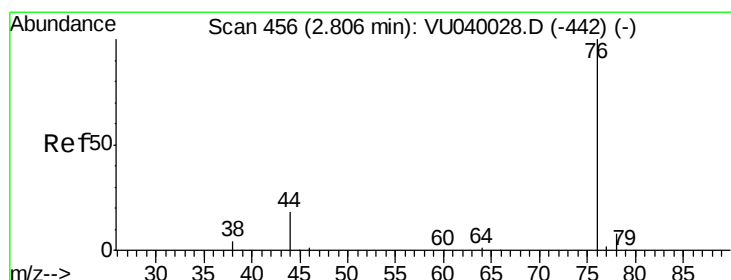
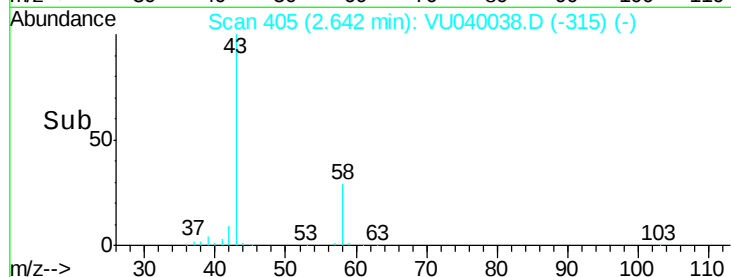
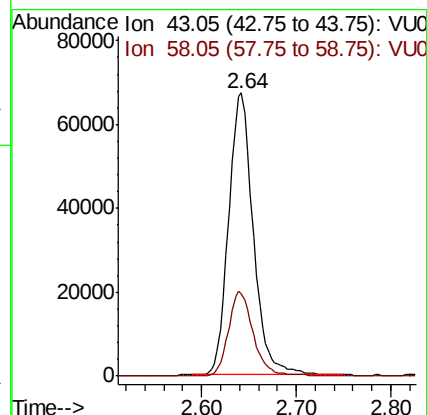
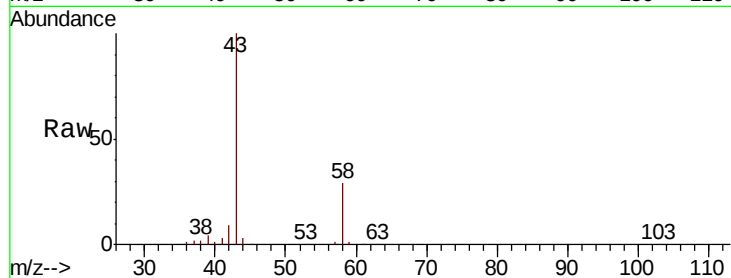
ClientSampleId :

Tot Ion: 43 Resp: 121748

Ion Ratio Lower Upper

43 100

58 29.9 0.0 55.4



#14

Carbon disulfide

Concen: 4.842 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040038.D

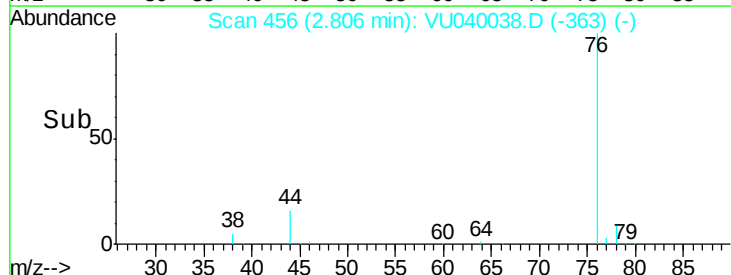
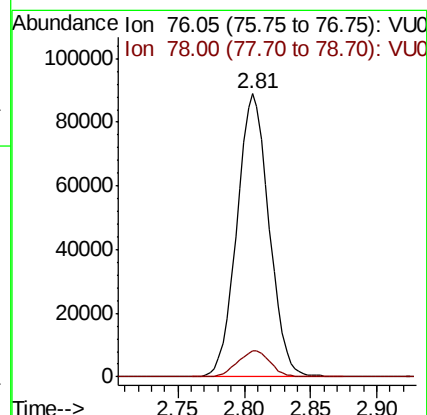
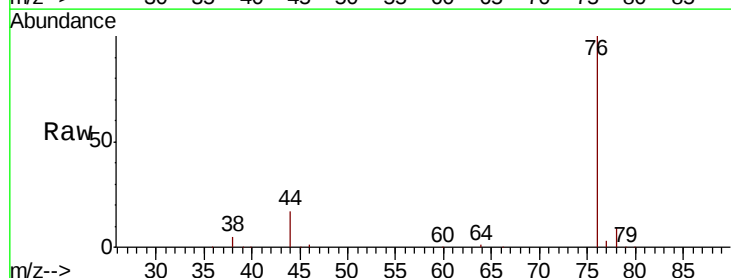
Acq: 04 Sep 2020 10:04

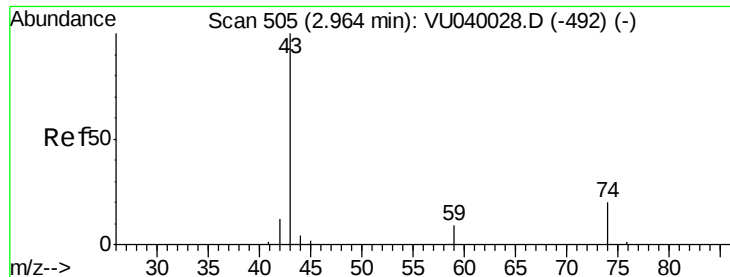
Tgt Ion: 76 Resp: 149735

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methyl Acetate

Concen: 4.640 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

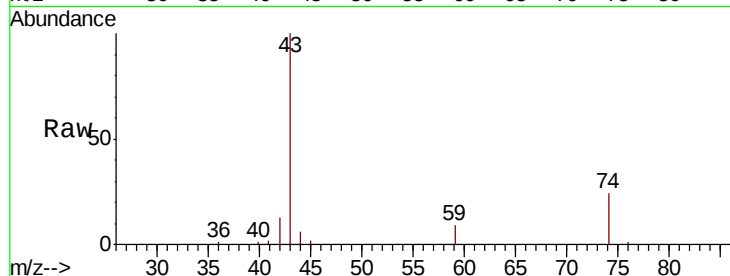
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 29340

Ion Ratio Lower Upper

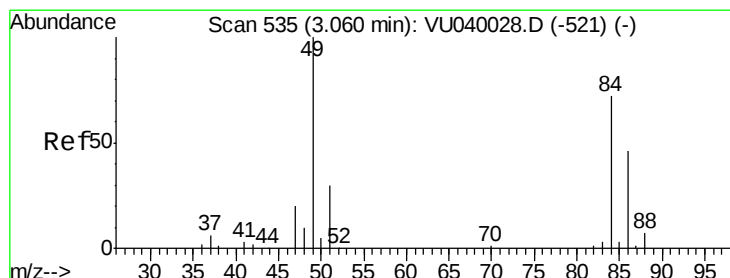
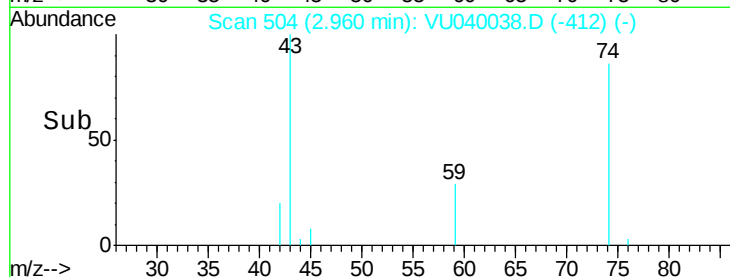
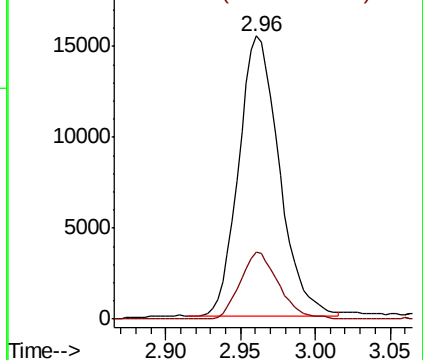
43 100

74 22.5 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU040038.D (-492) (-)

Ion 74.05 (73.75 to 74.75): VU040038.D (-492) (-)



#16

Methylene chloride

Concen: 4.580 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

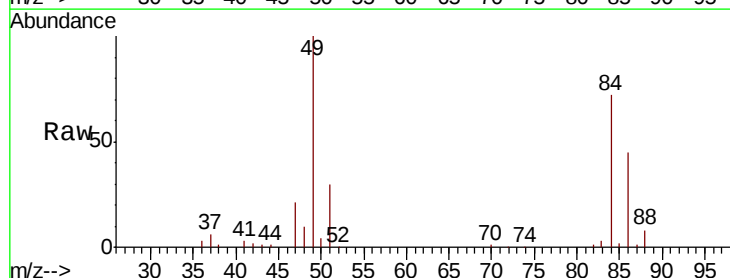
Tgt Ion: 84 Resp: 57848

Ion Ratio Lower Upper

84 100

86 62.4 45.2 84.0

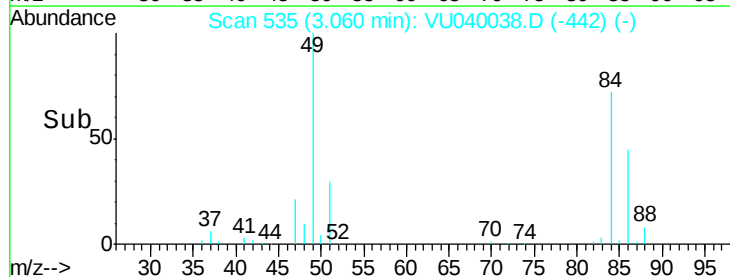
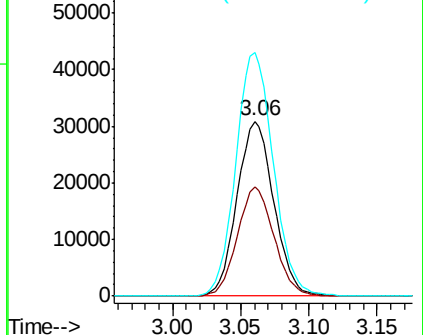
49 139.3 104.0 193.2

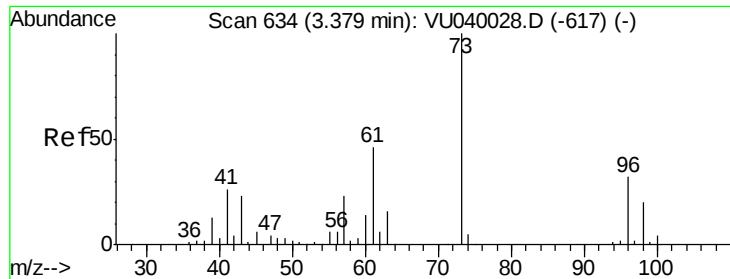


Abundance Ion 84.05 (83.75 to 84.75): VU040038.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040038.D (-521) (-)

Ion 49.10 (48.80 to 49.80): VU040038.D (-521) (-)

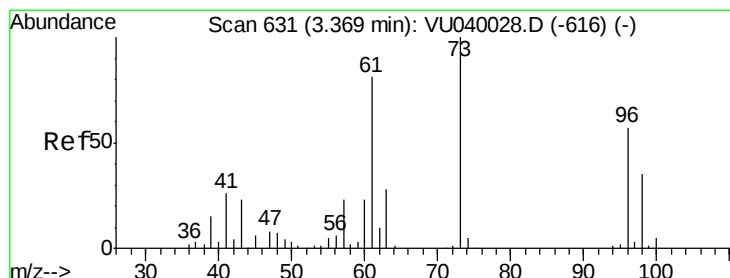
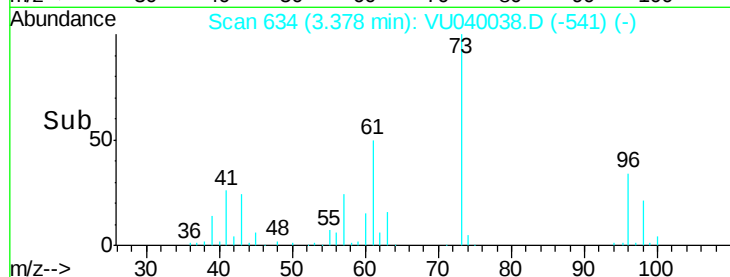
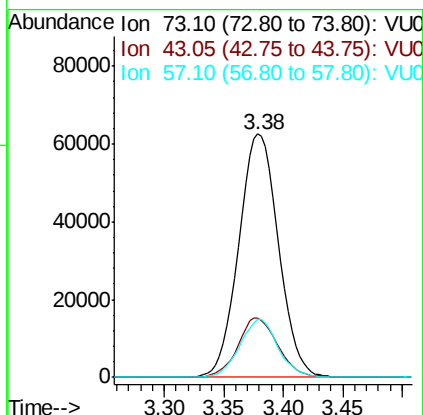
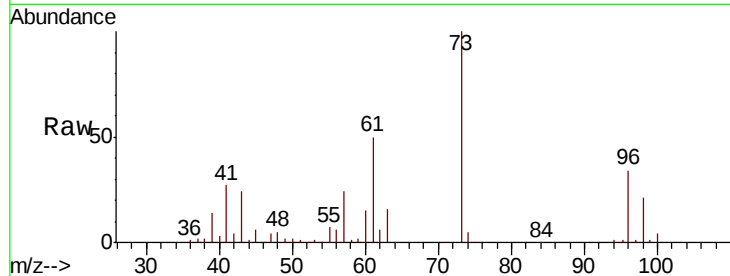




#17
Methvl tert-butvl Ether
Concen: 4.974 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

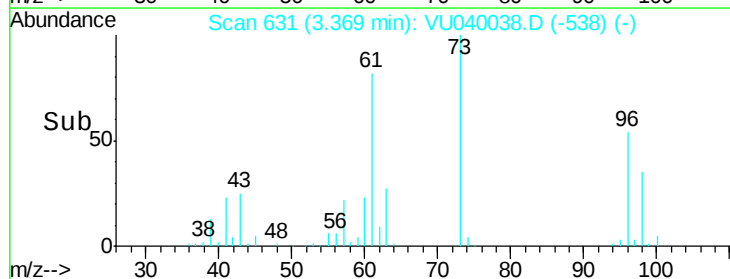
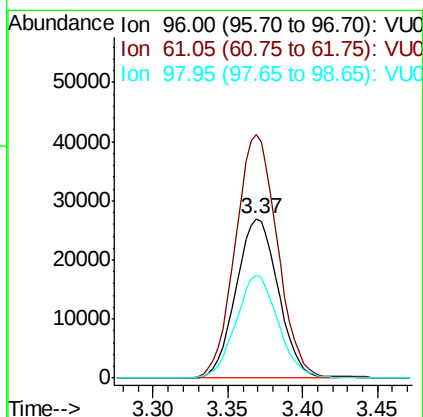
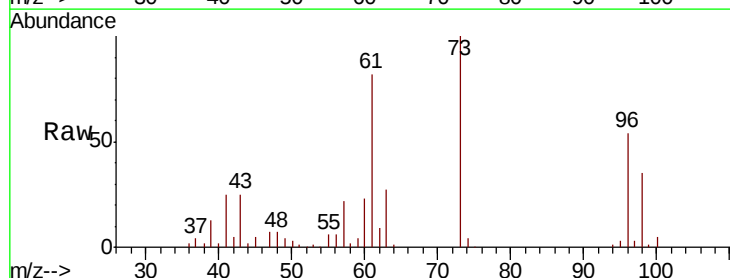
Instrument :
MSVOA_U
ClientSampleId :

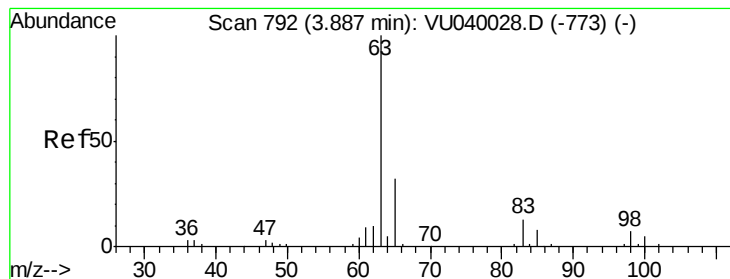
Tot Ion: 73 Resp: 144606
Ion Ratio Lower Upper
73 100
43 24.6 19.1 28.7
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.105 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion: 96 Resp: 52965
Ion Ratio Lower Upper
96 100
61 153.0 110.5 205.3
98 64.7 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.126 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

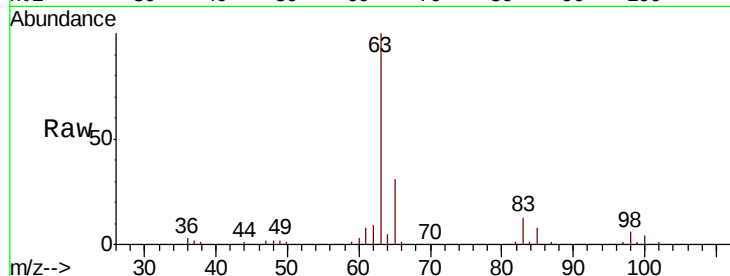
Tot Ion: 63 Resp: 109466

Ion Ratio Lower Upper

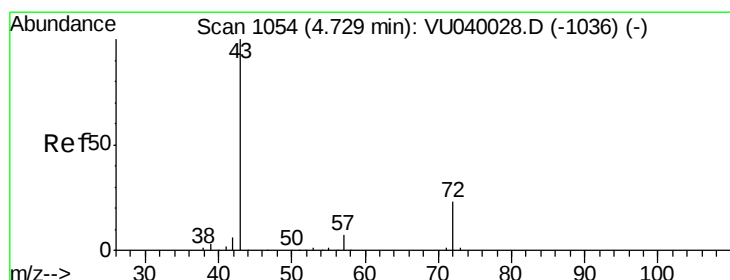
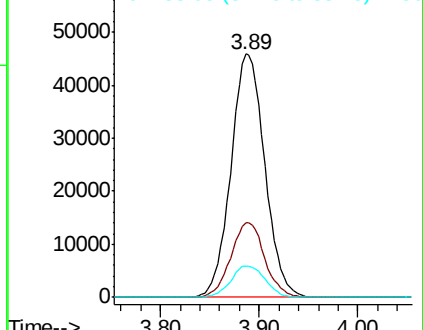
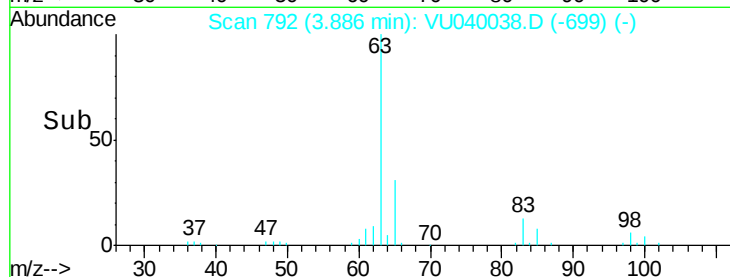
63 100

65 30.9 22.2 41.2

83 13.0 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040038.D (-699) (-)



#21

2-Butanone

Concen: 49.364 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VU040038.D

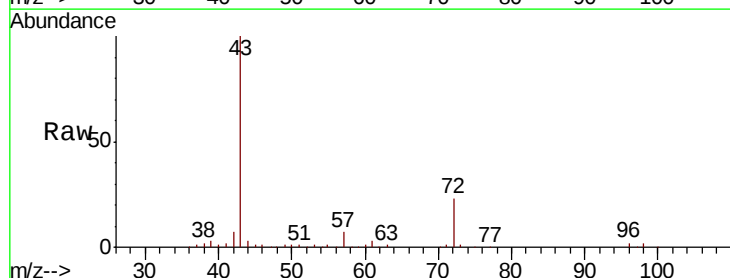
Acq: 04 Sep 2020 10:04

Tgt Ion: 43 Resp: 203063

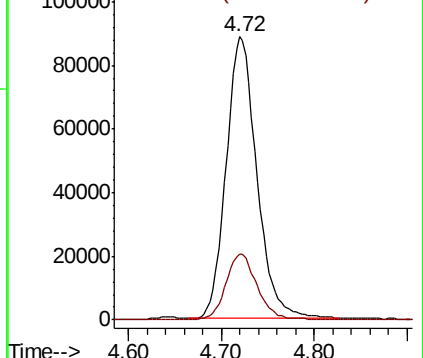
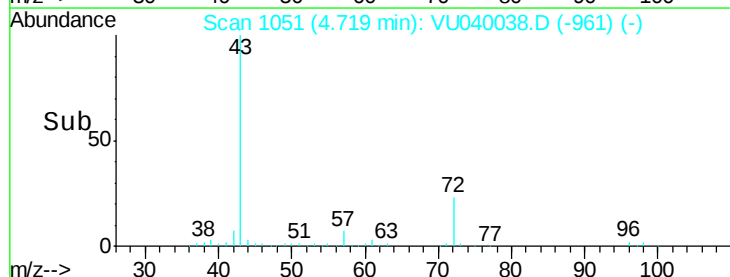
Ion Ratio Lower Upper

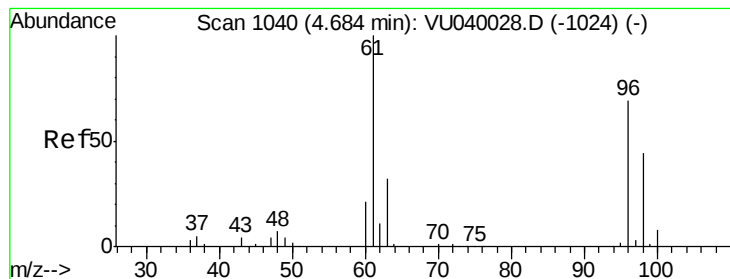
43 100

72 24.0 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040038.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.138 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

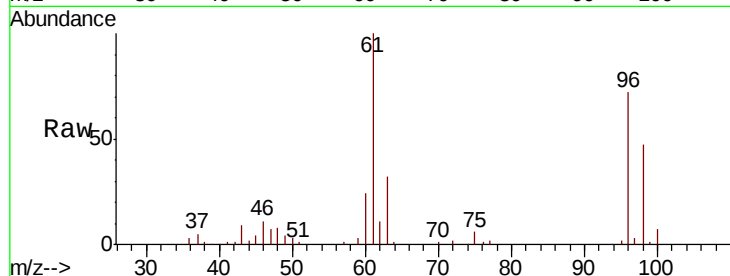
Tot Ion: 96 Resp: 57322

Ion Ratio Lower Upper

96 100

61 139.3 98.8 183.4

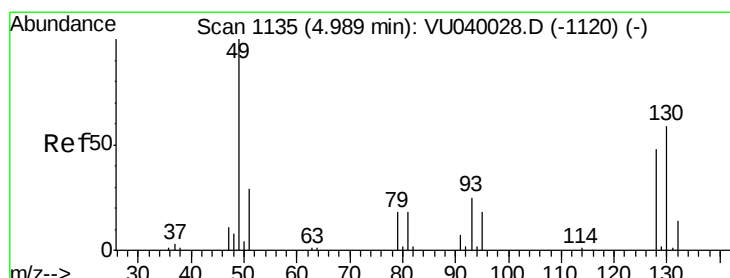
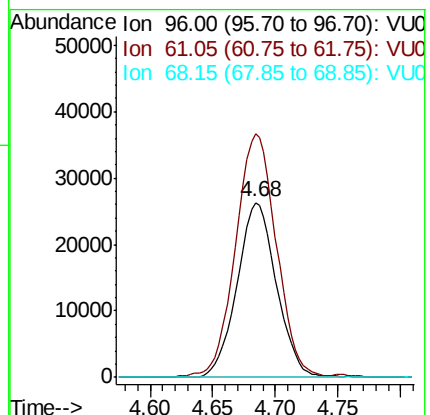
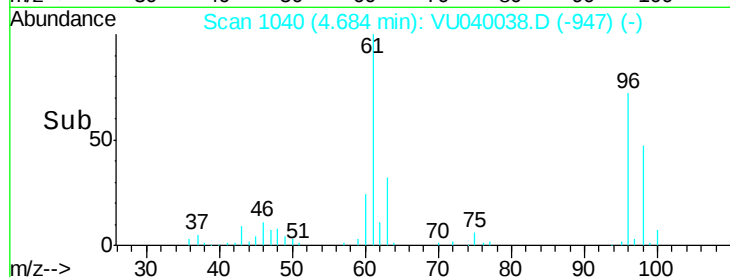
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040038.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040038.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040038.D (-947) (-)



#23

Bromochloromethane

Concen: 5.342 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Tgt Ion: 128 Resp: 26114

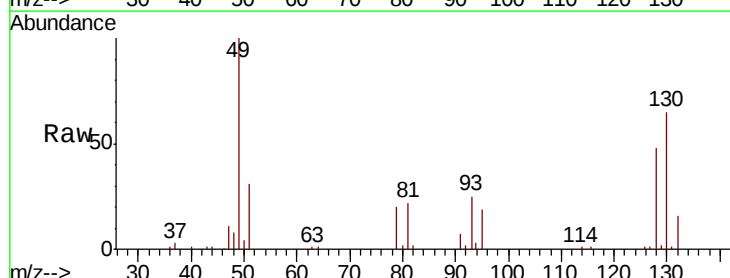
Ion Ratio Lower Upper

128 100

49 207.7 143.4 266.4

130 136.1 89.5 166.3

51 65.4 51.0 76.4

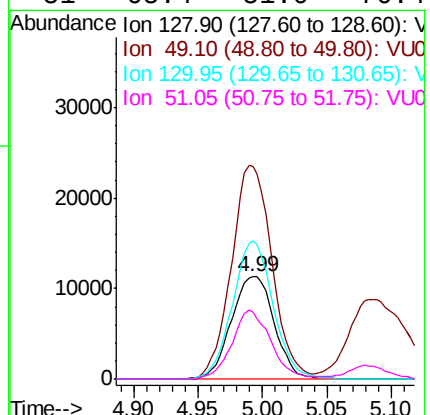
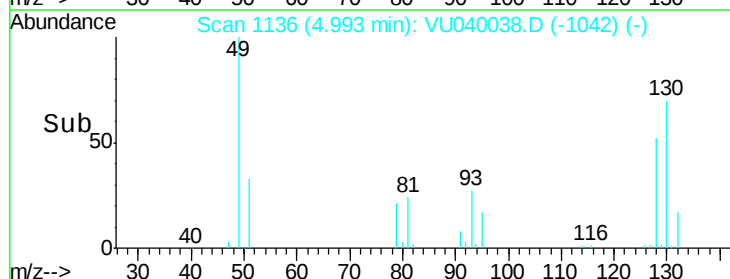


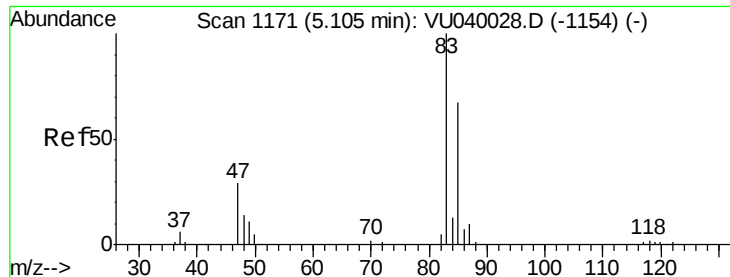
Abundance Ion 127.90 (127.60 to 128.60): VU040038.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040038.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040038.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040038.D (-1042) (-)

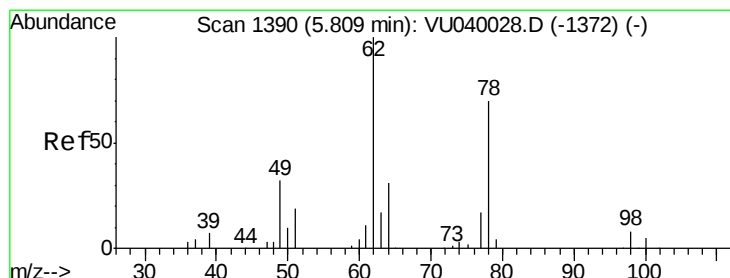
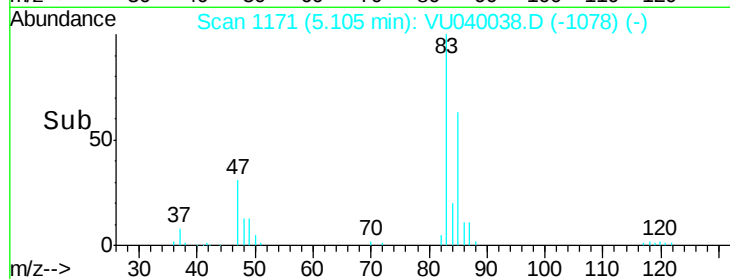
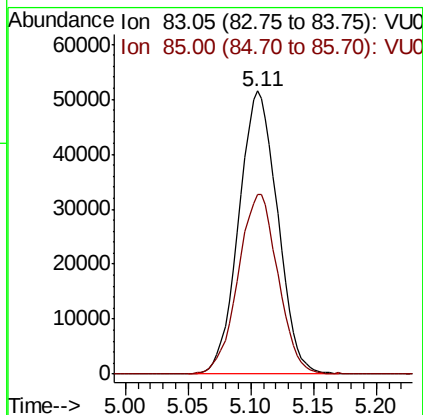
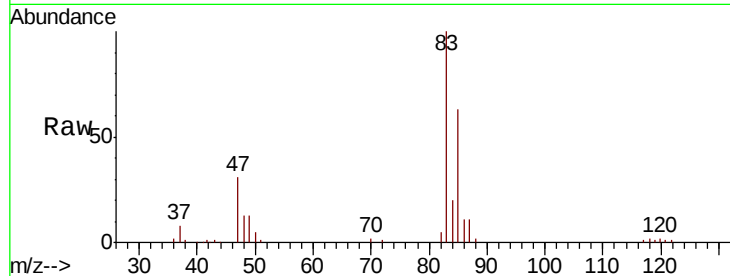




#25
Chloroform
Concen: 5.065 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

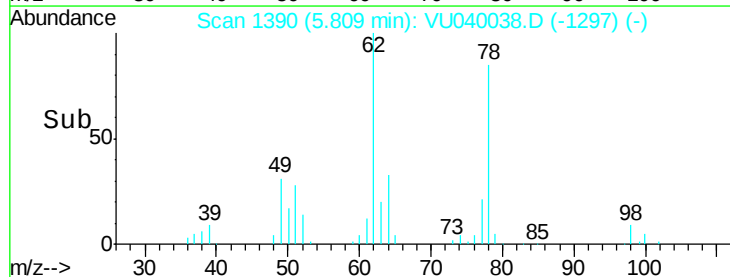
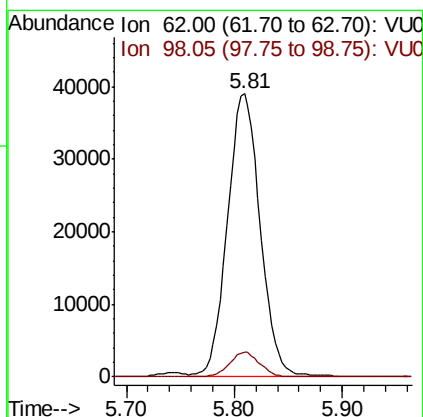
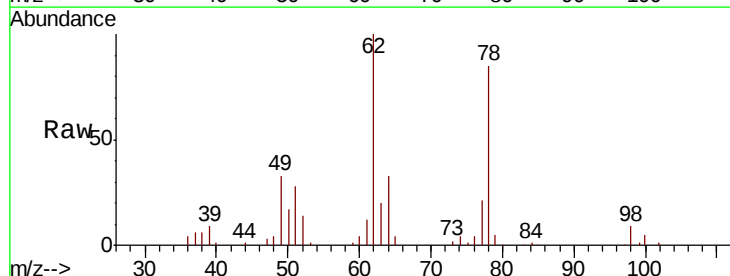
Instrument :
MSVOA_U
ClientSampled :

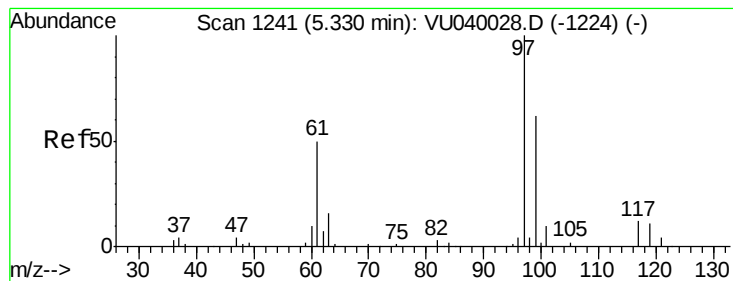
Tot Ion: 83 Resp: 110784
Ion Ratio Lower Upper
83 100
85 63.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.169 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion: 62 Resp: 82830
Ion Ratio Lower Upper
62 100
98 8.9 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 5.163 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

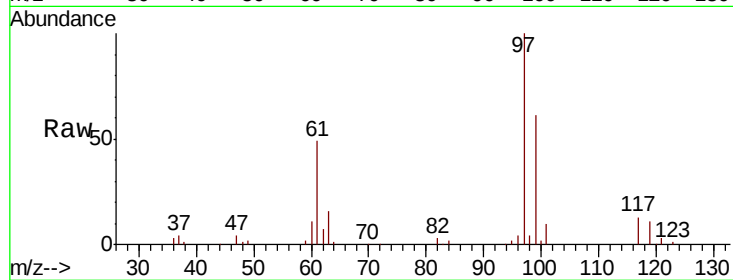
Tot Ion: 97 Resp: 97072

Ion Ratio Lower Upper

97 100

99 62.5 50.9 76.3

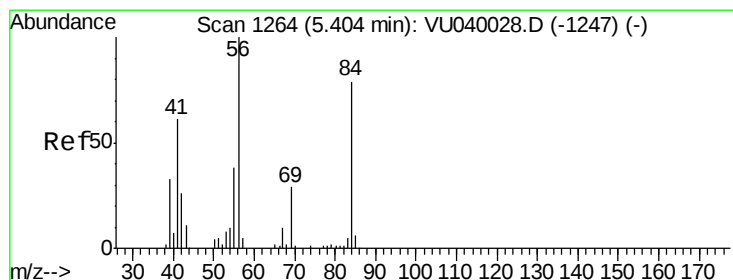
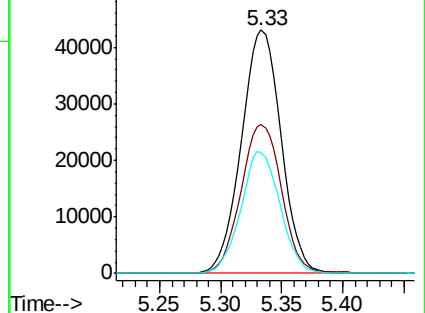
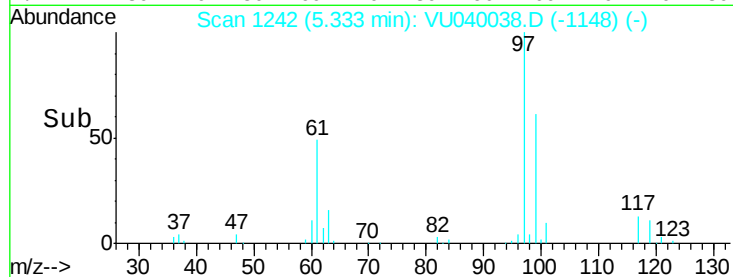
61 49.2 39.5 59.3



Abundance Ion 96.95 (96.65 to 97.65): VU040038.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU040038.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU040038.D (-1148) (-)



#30

Cyclohexane

Concen: 5.069 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

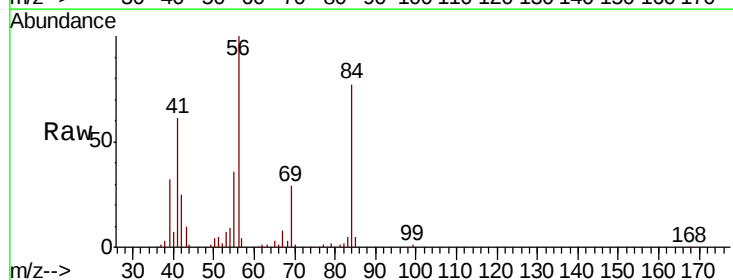
Tgt Ion: 56 Resp: 92418

Ion Ratio Lower Upper

56 100

69 29.2 24.1 36.1

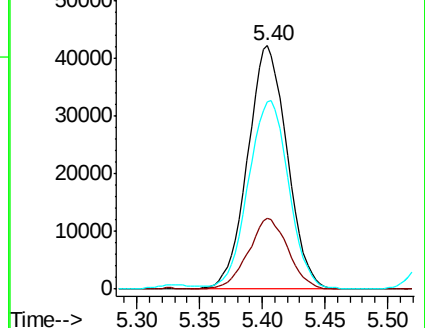
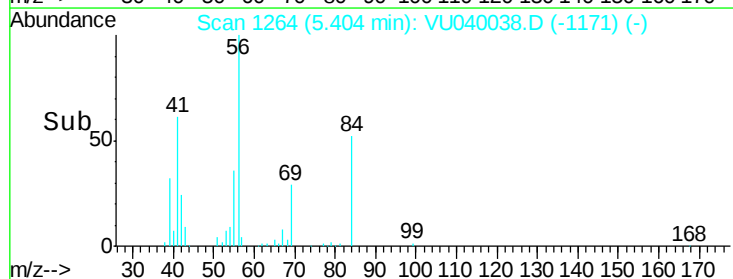
84 79.5 65.0 97.4

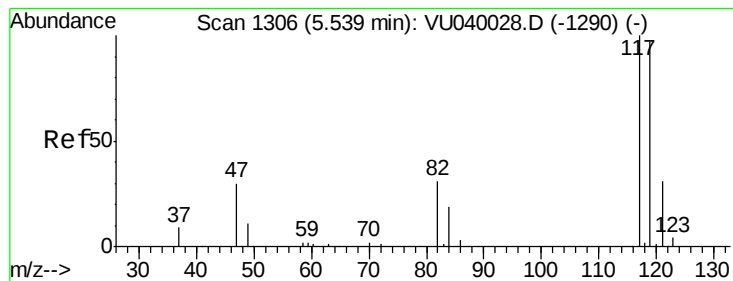


Abundance Ion 56.10 (55.80 to 56.80): VU040038.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040038.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040038.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 5.043 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

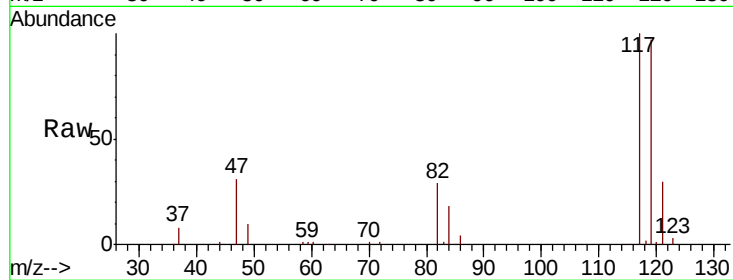
ClientSampleId :

Tot Ion:117 Resp: 81137

Ion Ratio Lower Upper

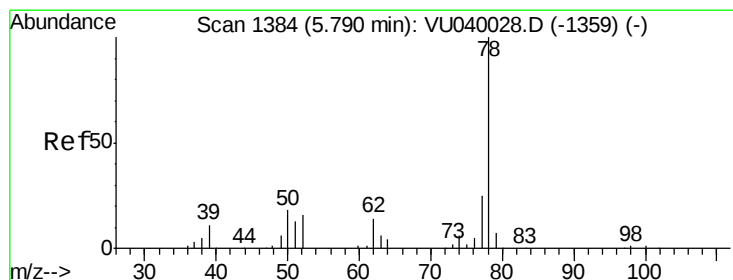
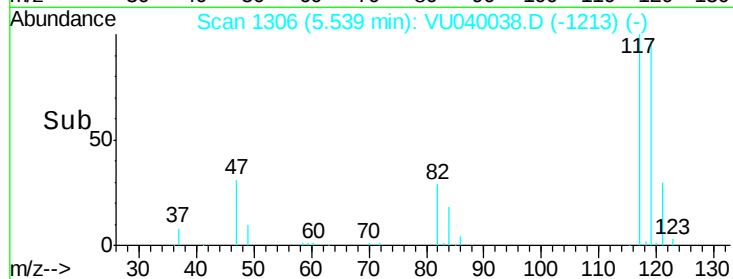
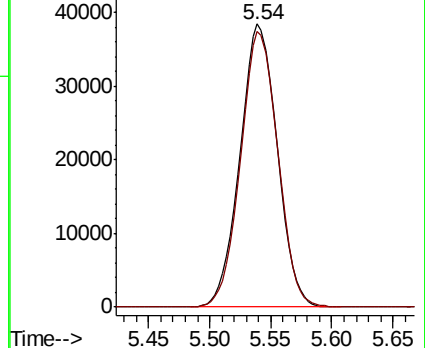
117 100

119 97.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.167 ug/L

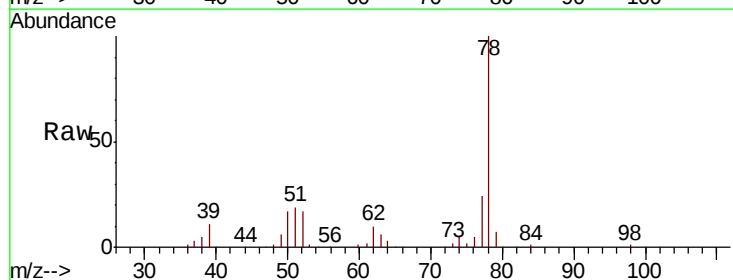
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

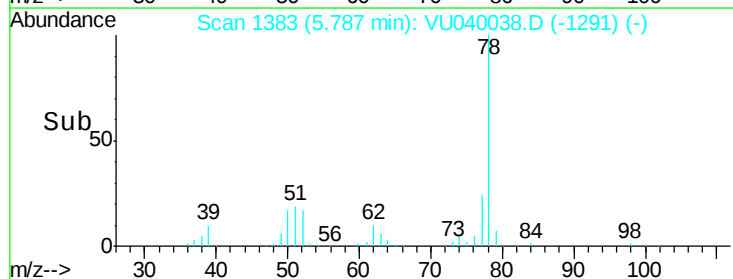
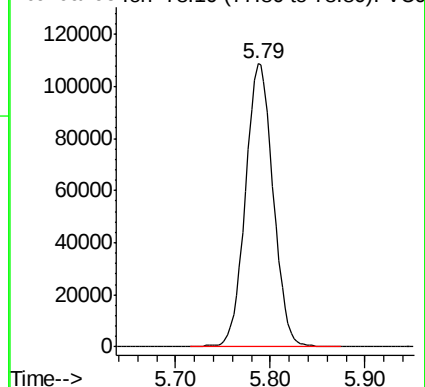
Lab File: VU040038.D

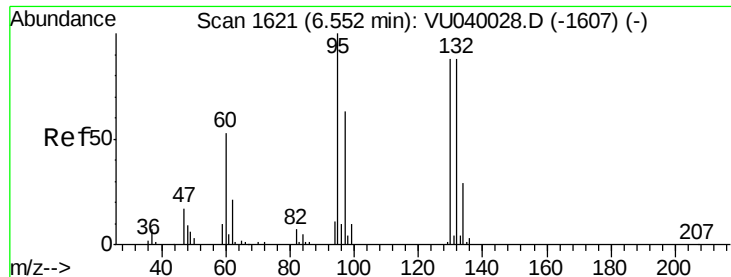
Acq: 04 Sep 2020 10:04

Tgt Ion: 78 Resp: 221342



Abundance Ion 78.10 (77.80 to 78.80): VU0

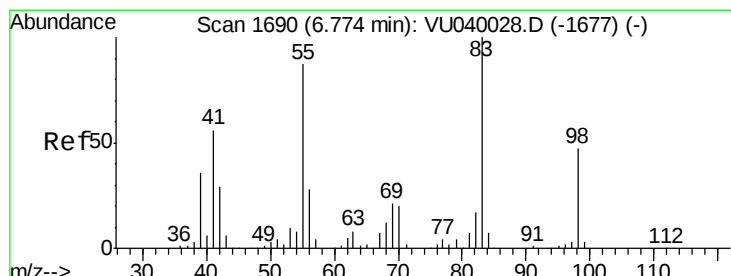
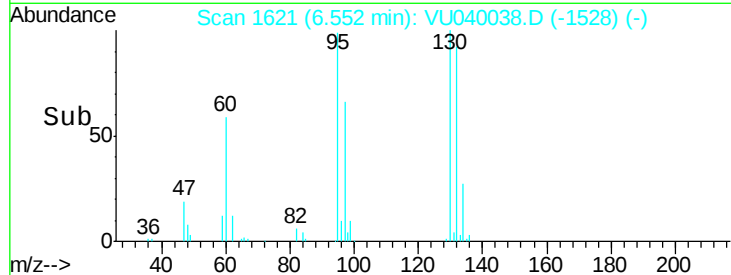
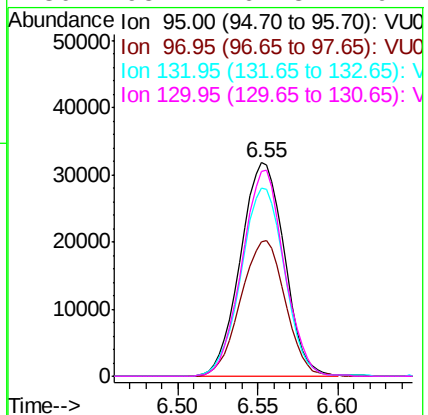
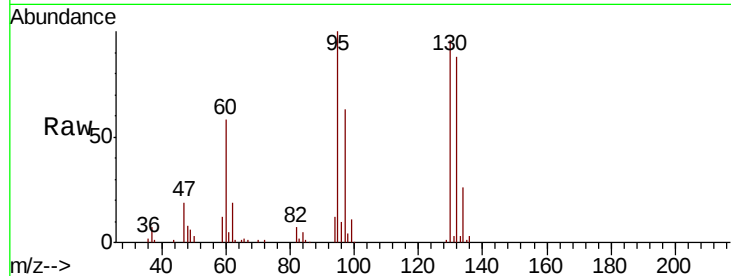




#34
 Trichloroethene
 Concen: 5.212 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

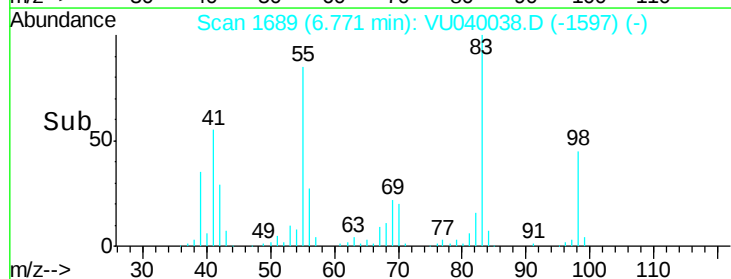
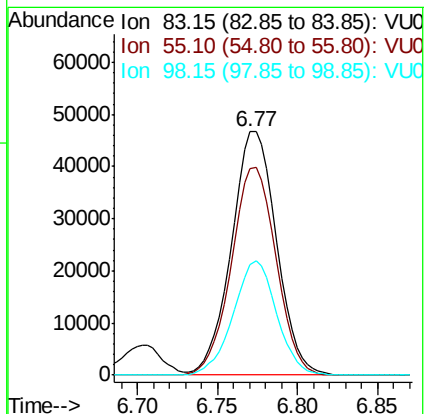
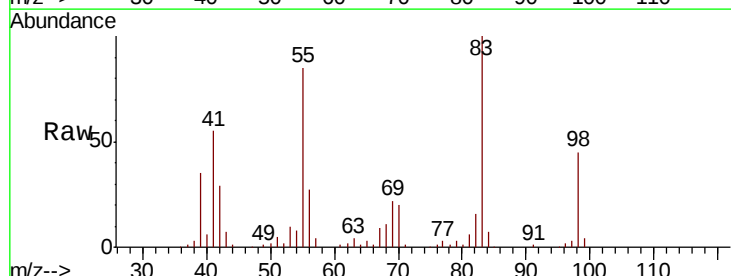
Instrument :
 MSVOA_U
 ClientSampleId :

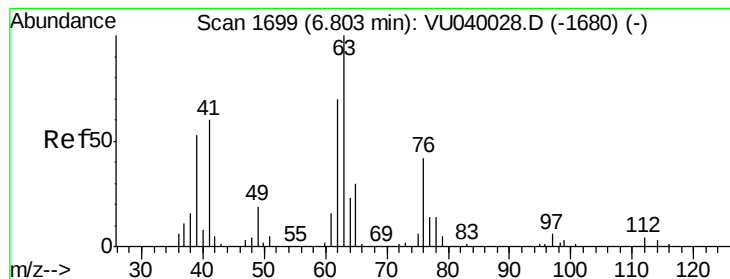
Tot Ion:	95	Resp:	59887
Ion	Ratio	Lower	Upper
95	100		
97	63.1	43.3	80.5
132	88.3	59.4	110.4
130	95.7	64.8	120.4



#35
 Methylcyclohexane
 Concen: 5.082 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Tgt Ion:	83	Resp:	89417
Ion	Ratio	Lower	Upper
83	100		
55	84.9	70.5	105.7
98	45.6	37.8	56.6





#37

1,2-Dichloropropane

Concen: 5.238 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

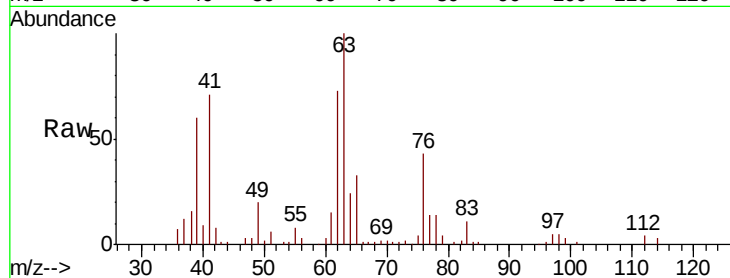
ClientSampleId :

Tot Ion: 63 Resp: 60754

Ion Ratio Lower Upper

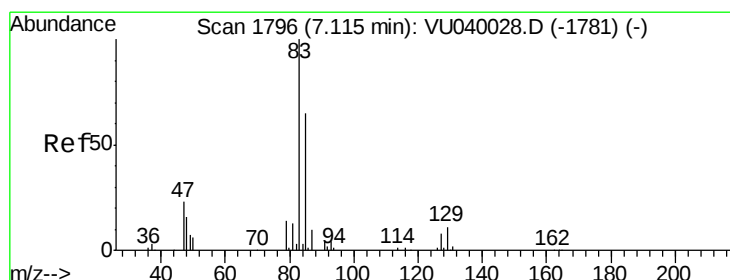
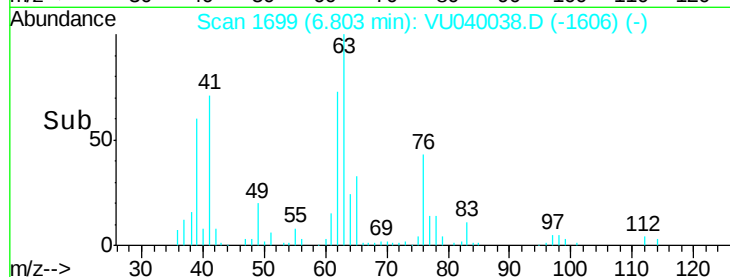
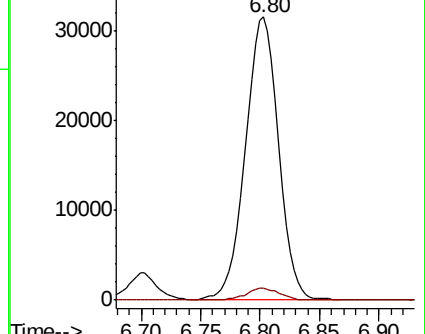
63 100

112 4.1 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040038.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU040038.D (-1680) (-)



#38

Bromodichloromethane

Concen: 5.134 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

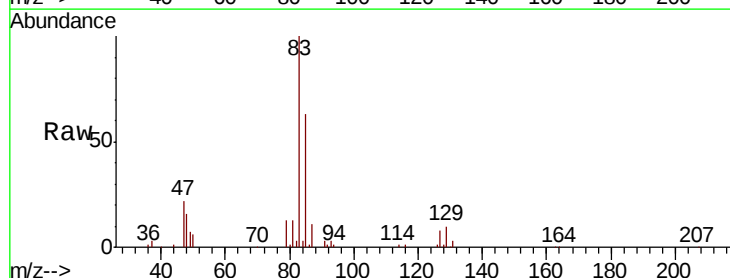
Tgt Ion: 83 Resp: 81302

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

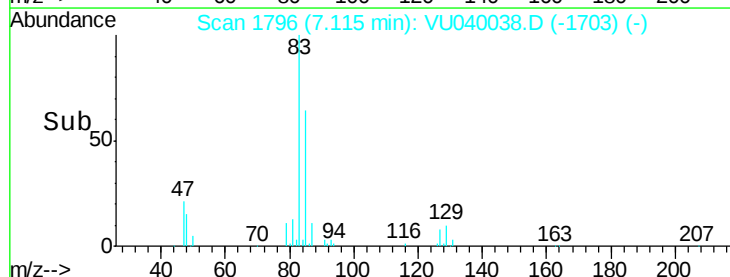
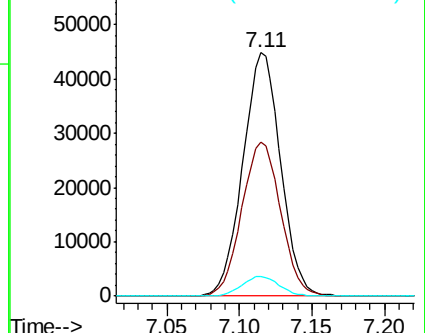
127 8.1 6.7 10.1

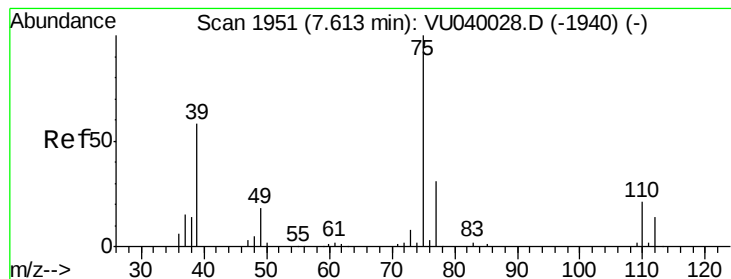


Abundance Ion 82.95 (82.65 to 83.65): VU040038.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040038.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040038.D (-1781) (-)



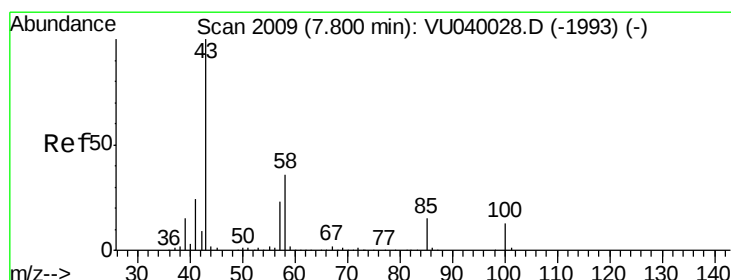
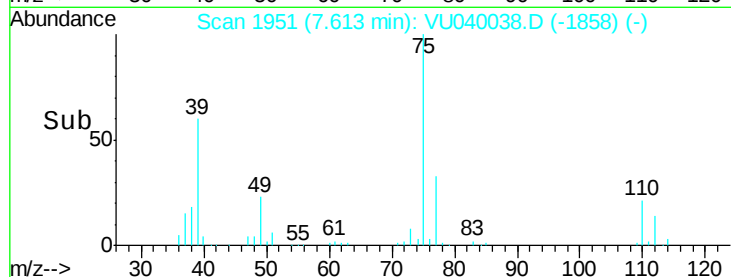
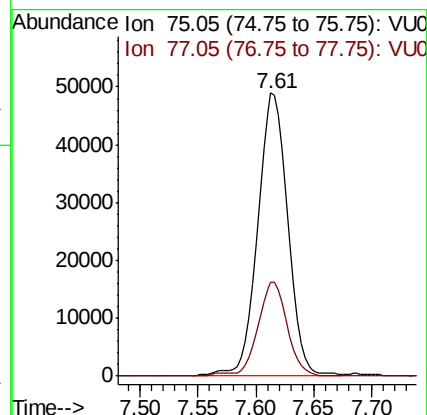
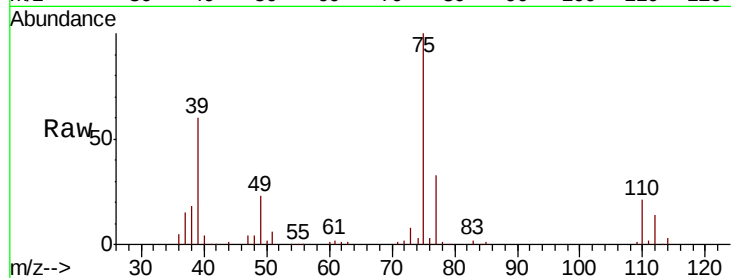


#39

cis-1,3-Dichloropropene
 Concen: 5.205 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampled :

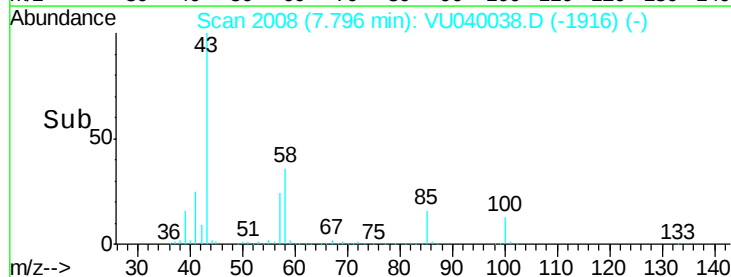
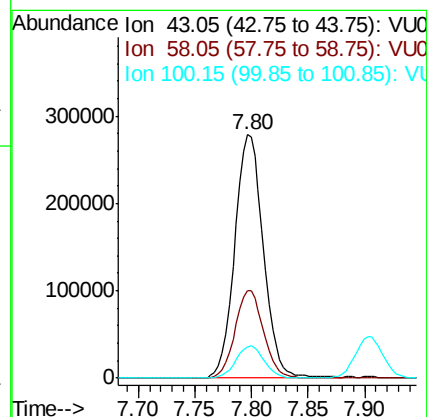
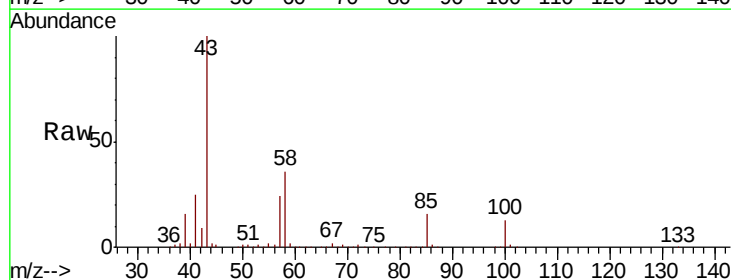
Tot Ion: 75 Resp: 89048
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.1 39.3

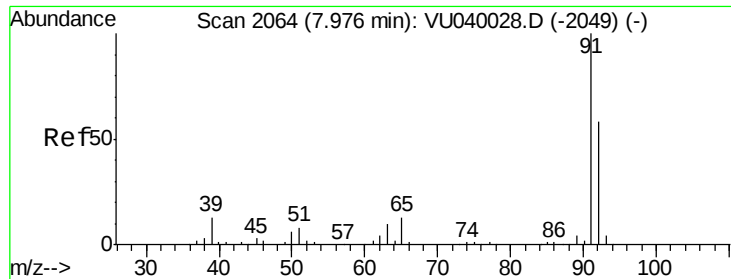


#40

4-Methyl-2-pentanone
 Concen: 51.646 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Tgt Ion: 43 Resp: 491528
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 13.1 10.2 15.2





#42

Toluene

Concen: 5.283 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

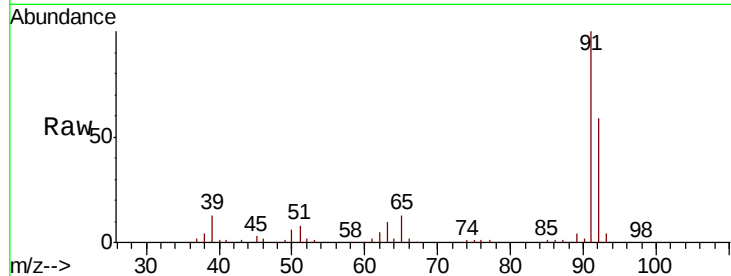
ClientSampleId :

Tot Ion: 91 Resp: 233082

Ion Ratio Lower Upper

91 100

92 59.3 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

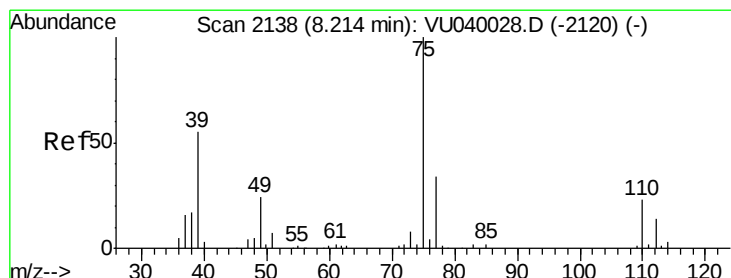
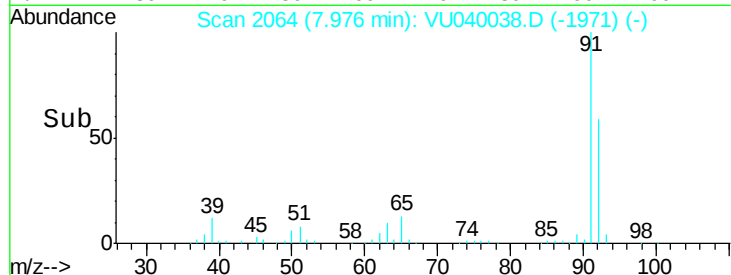
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.280 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040038.D

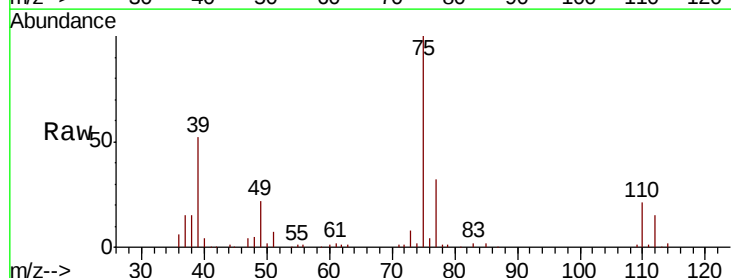
Acq: 04 Sep 2020 10:04

Tgt Ion: 75 Resp: 83702

Ion Ratio Lower Upper

75 100

77 31.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

50000

40000

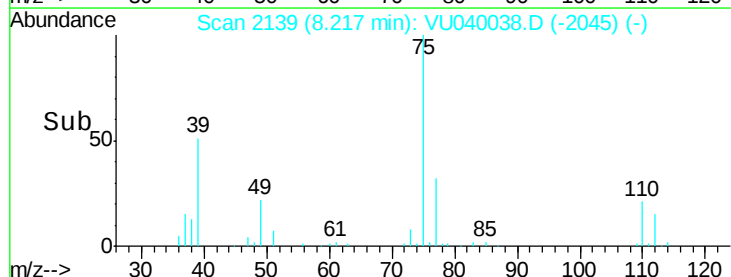
30000

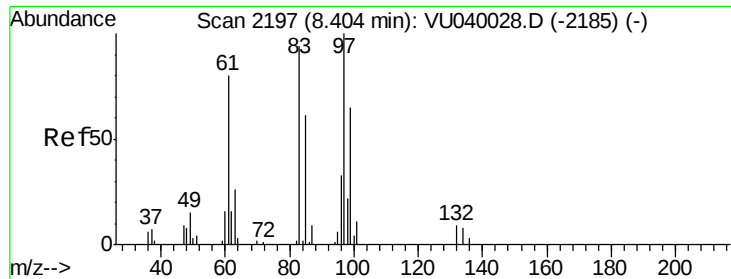
20000

10000

0

Time-->

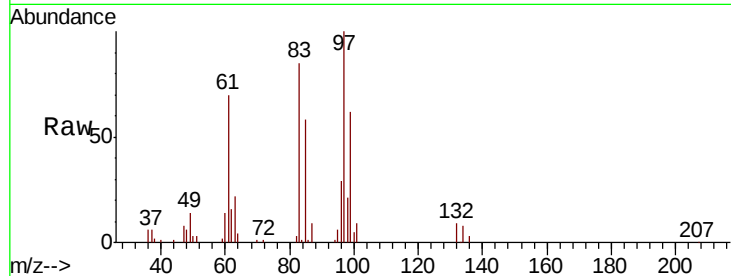




#45
 1,1,2-Trichloroethane
 Concen: 5.330 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

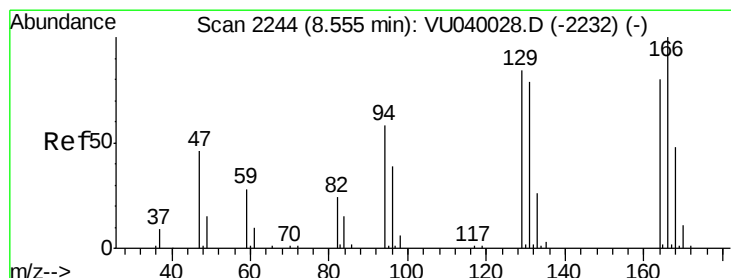
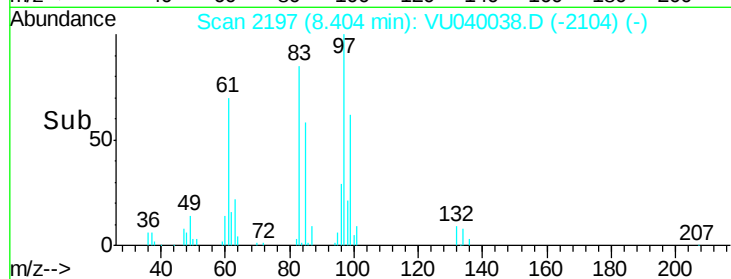
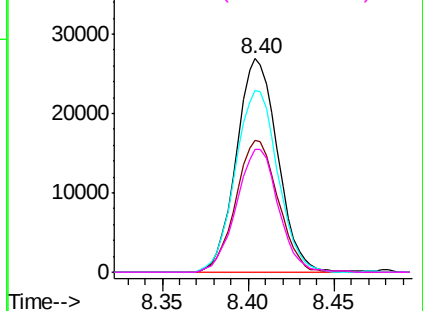
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	45040
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.0	79.8
83	85.2	61.7	114.7
85	57.5	39.3	73.1



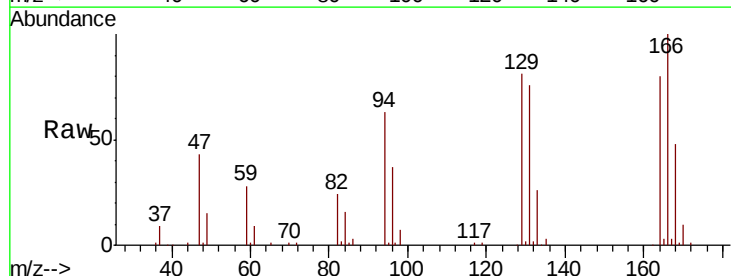
Abundance

Ion 96.95 (96.65 to 97.65): VU040038.D (-2197) (-)



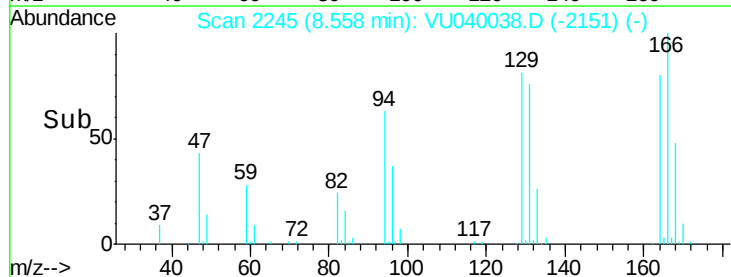
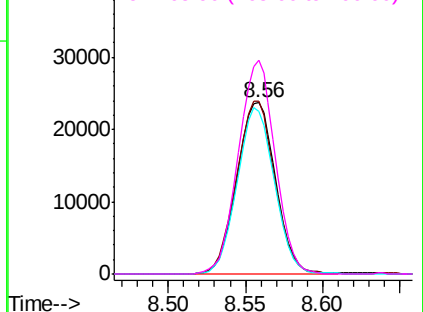
#47
 Tetrachloroethene
 Concen: 5.443 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

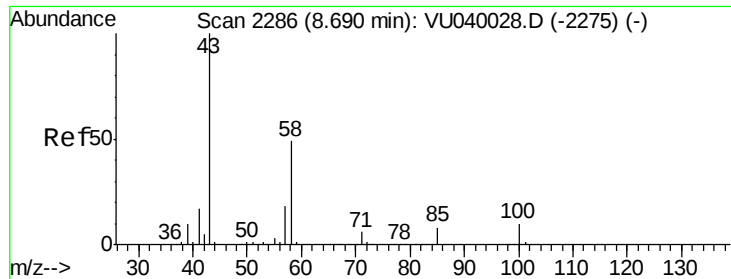
Tgt Ion:	164	Resp:	41086
Ion	Ratio	Lower	Upper
164	100		
129	101.3	71.5	132.7
131	95.4	65.9	122.5
166	124.9	87.3	162.1



Abundance

Ion 163.90 (163.60 to 164.60): VU040038.D (-2244) (-)

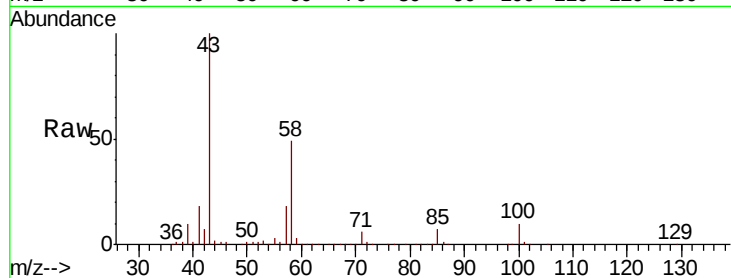




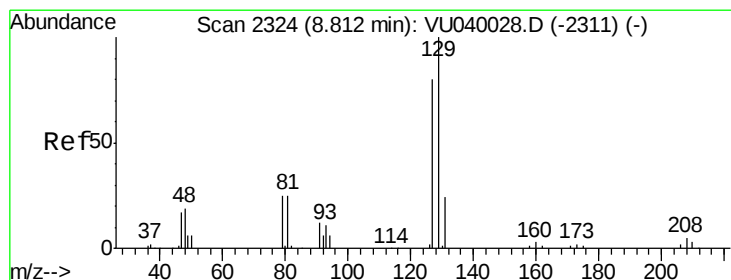
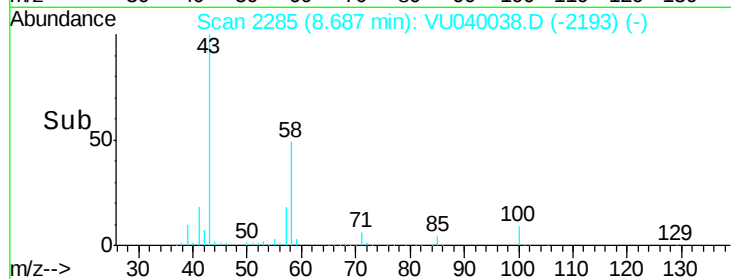
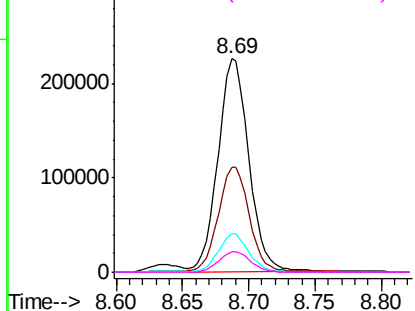
#48
2-Hexanone
Concen: 52.453 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 364141
Ion Ratio Lower Upper
43 100
58 50.8 39.6 59.4
57 17.8 14.3 21.5
100 10.2 8.0 12.0

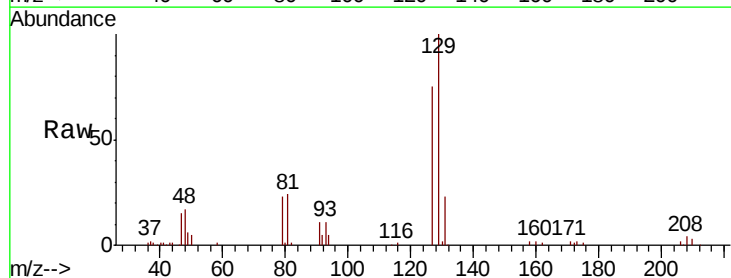


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

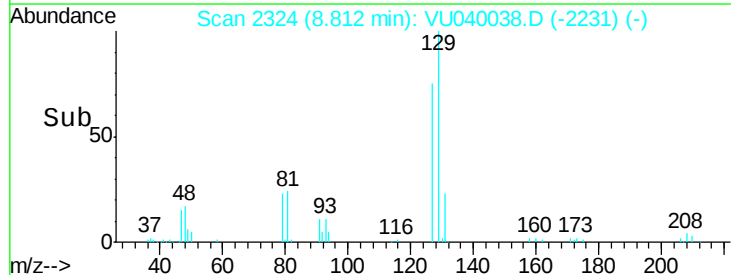
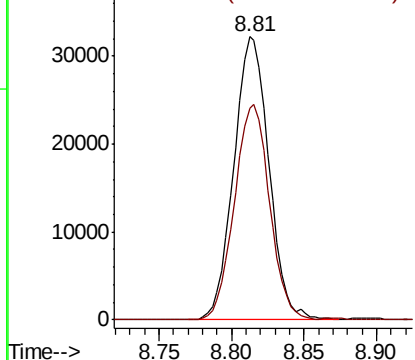


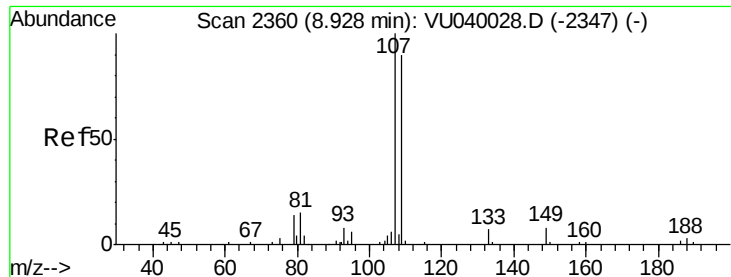
#49
Dibromochloromethane
Concen: 5.349 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion: 129 Resp: 54255
Ion Ratio Lower Upper
129 100
127 74.8 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

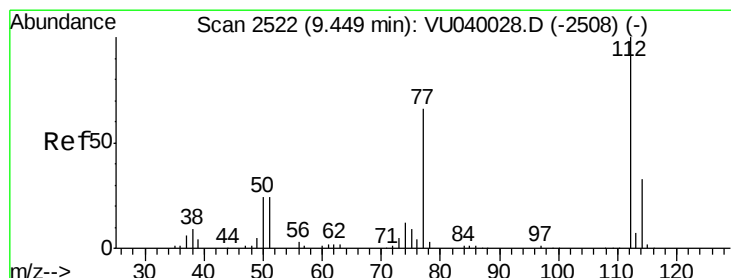
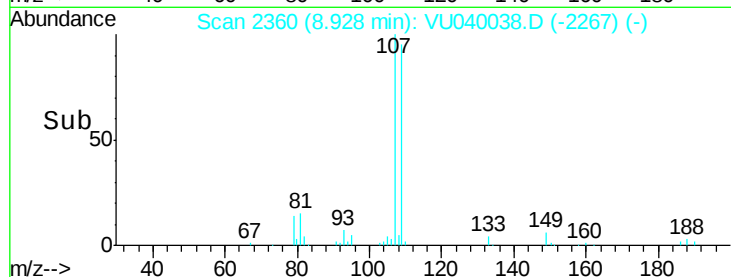
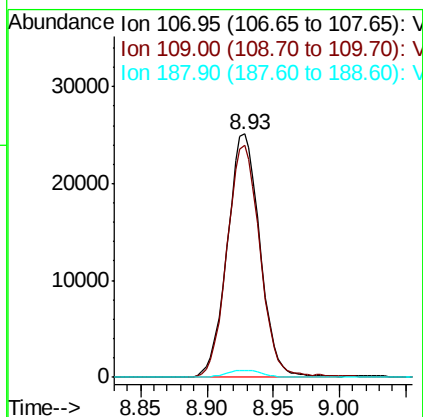
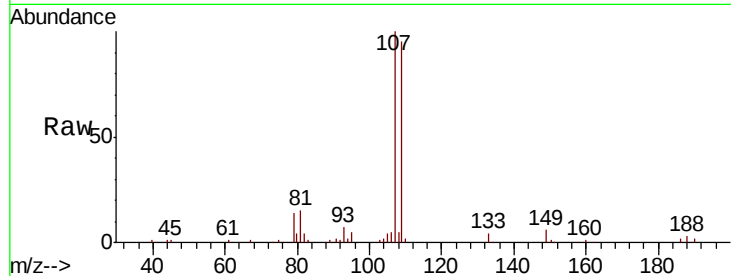




#50
 1,2-Dibromoethane
 Concen: 5.279 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

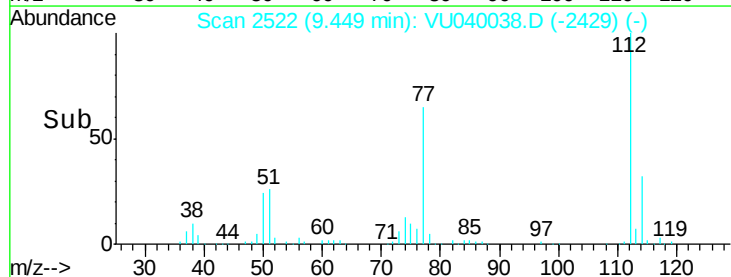
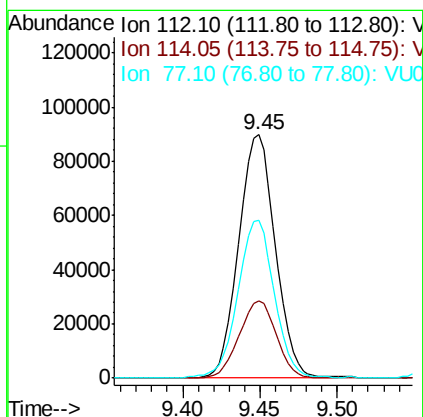
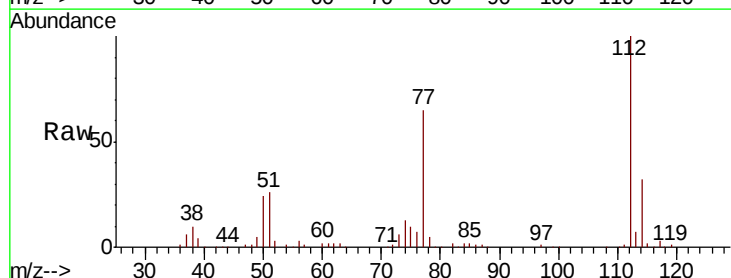
Instrument :
 MSVOA_U
 ClientSampleId :

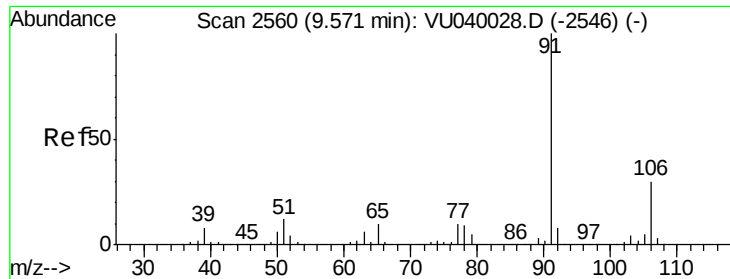
Tot Ion:107 Resp: 43012
 Ion Ratio Lower Upper
 107 100
 109 95.1 62.4 115.8
 188 3.0 2.3 3.5



#51
 Chlorobenzene
 Concen: 5.403 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Tgt Ion:112 Resp: 147976
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.7 42.3
 77 65.1 53.2 79.8

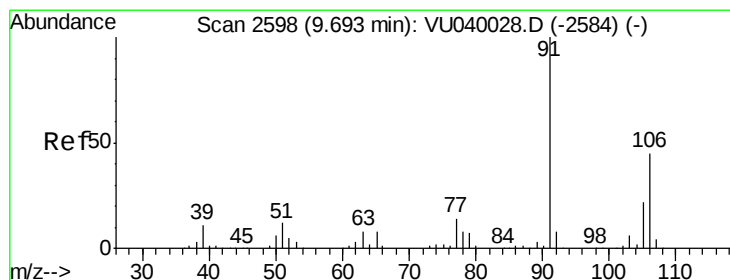
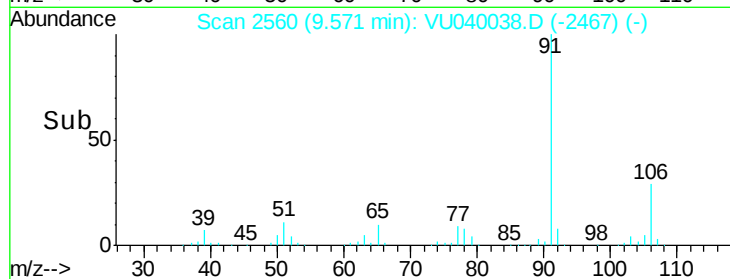
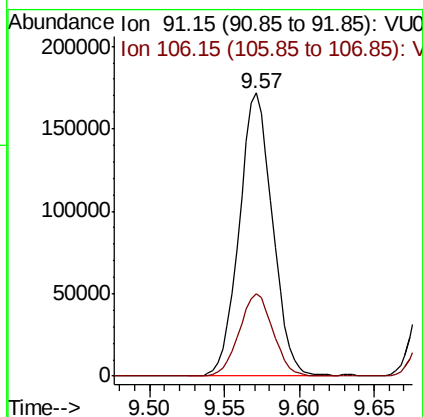
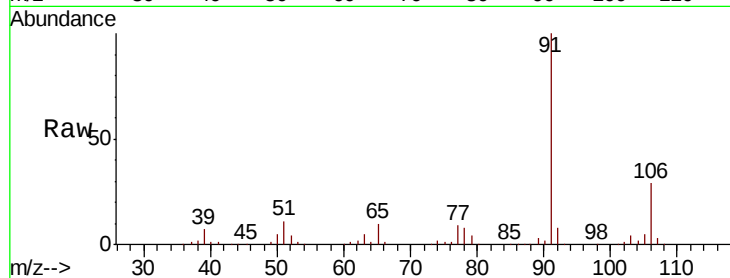




#52
Ethylbenzene
Concen: 5.315 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

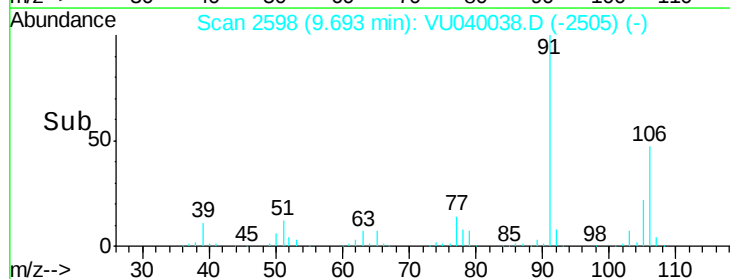
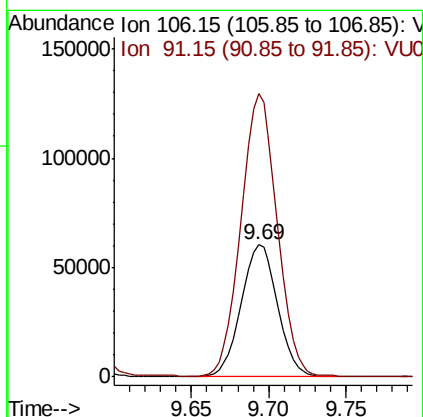
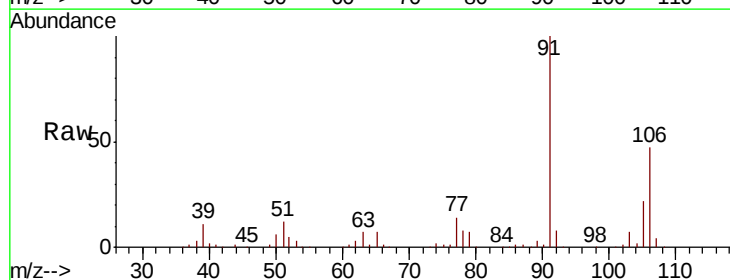
Instrument :
MSVOA_U
ClientSampleId :

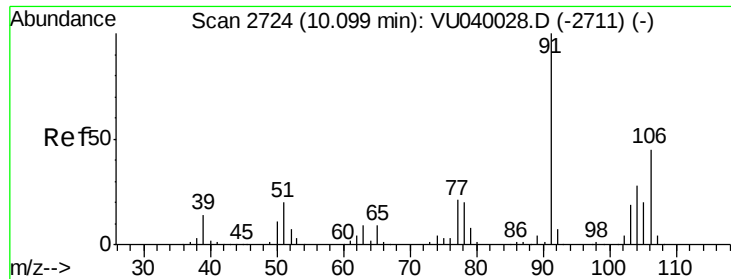
Tot Ion: 91 Resp: 266425
Ion Ratio Lower Upper
91 100
106 29.0 21.0 39.0



#53
m,p-Xylene
Concen: 5.541 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion: 106 Resp: 98892
Ion Ratio Lower Upper
106 100
91 214.1 151.7 281.7

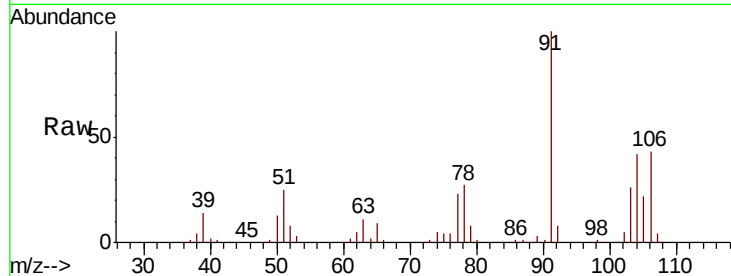




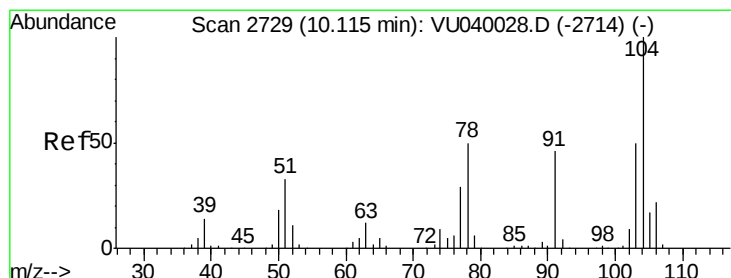
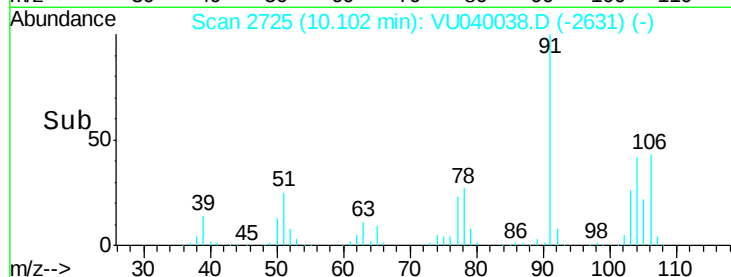
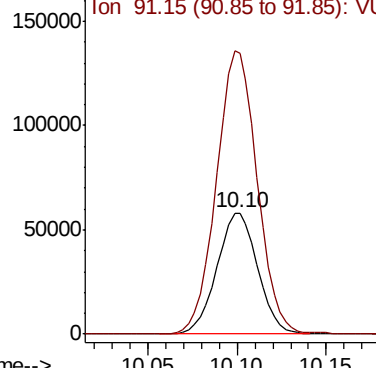
#54
o-Xylene
Concen: 5.469 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 93003
Ion Ratio Lower Upper
106 100
91 231.5 160.8 298.6

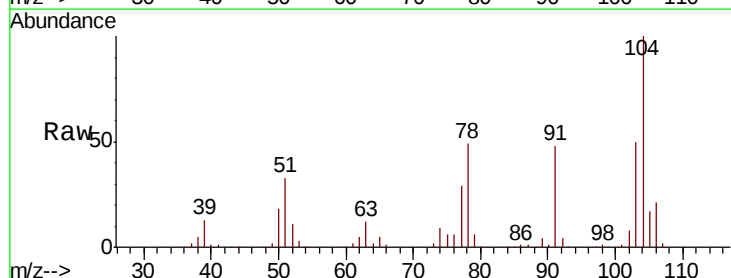


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

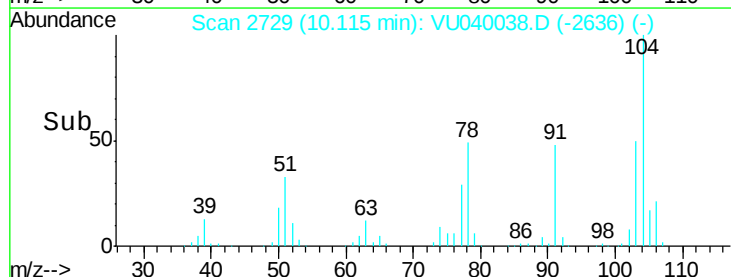
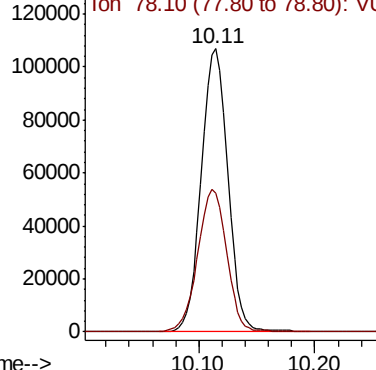


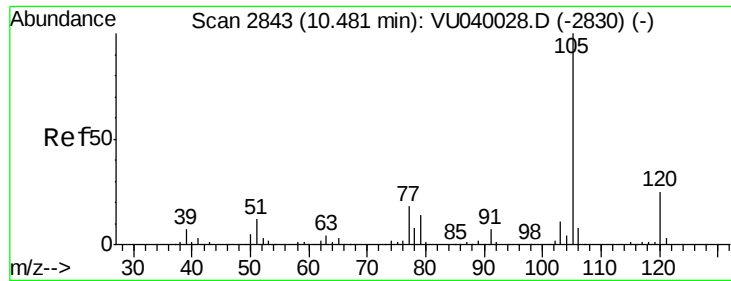
#55
Styrene
Concen: 5.753 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion:104 Resp: 170144
Ion Ratio Lower Upper
104 100
78 49.1 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.709 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

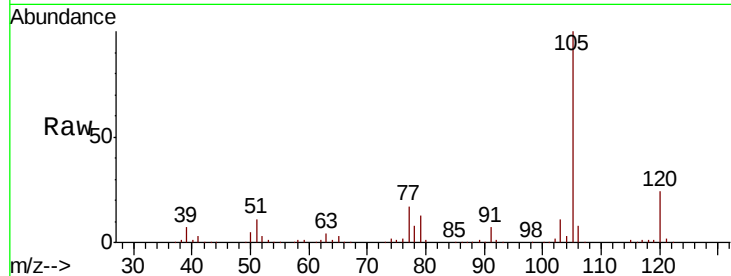
Tot Ion:105 Resp: 264765

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

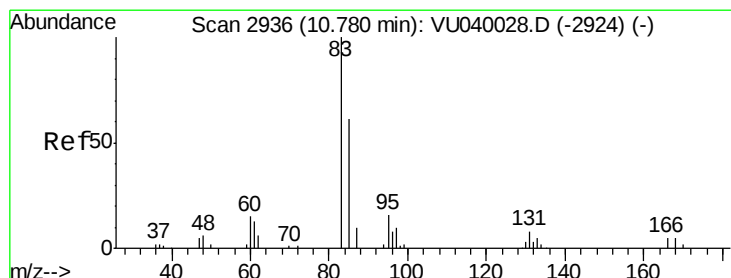
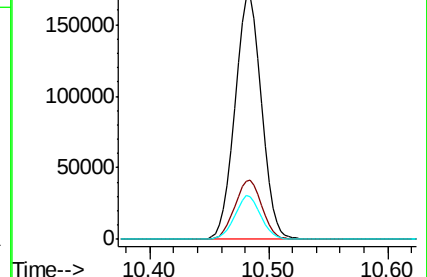
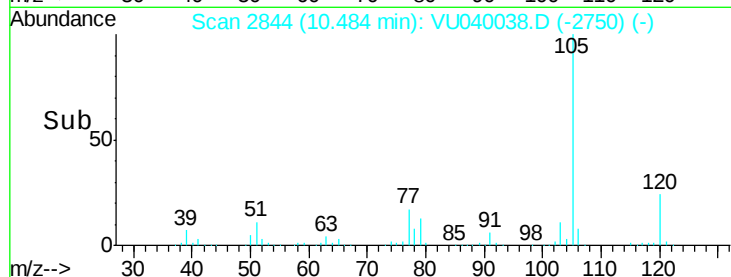
77 17.3 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.564 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

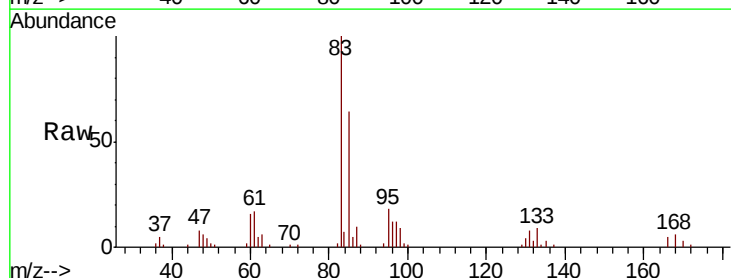
Tgt Ion: 83 Resp: 60290

Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.3

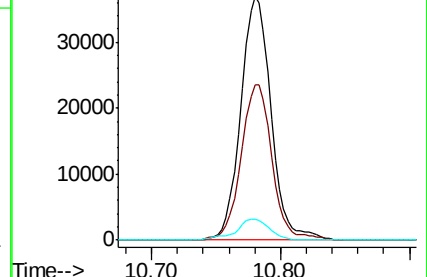
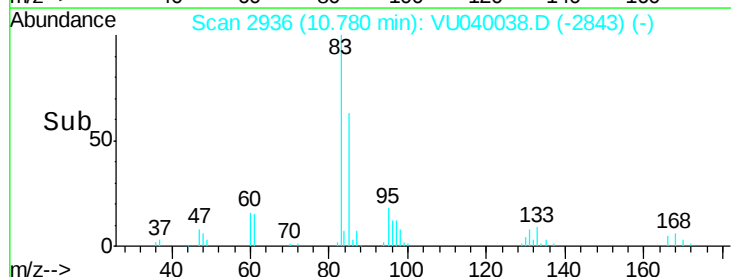
131 8.5 7.4 11.0

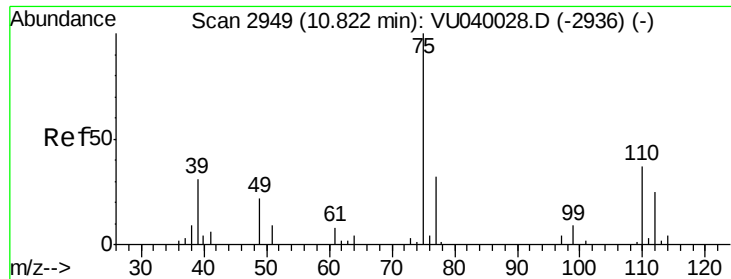


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.481 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

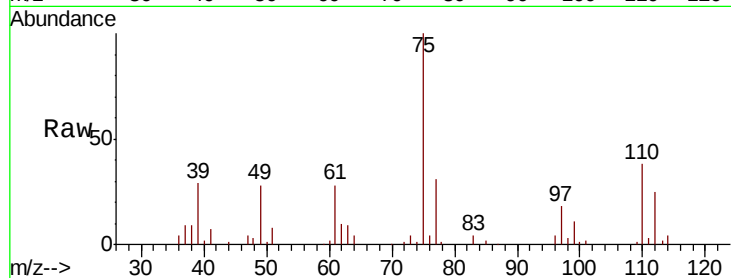
ClientSampleId :

Tot Ion: 75 Resp: 47106

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040038.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040038.D (-2936) (-)

10.82

30000

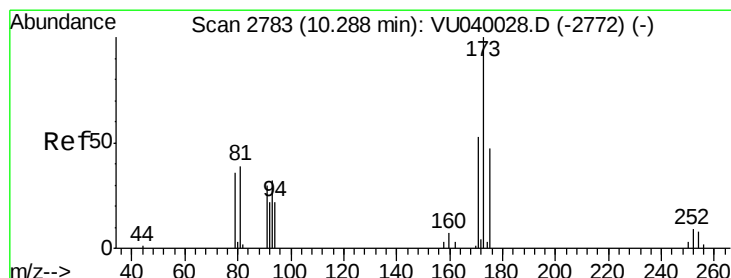
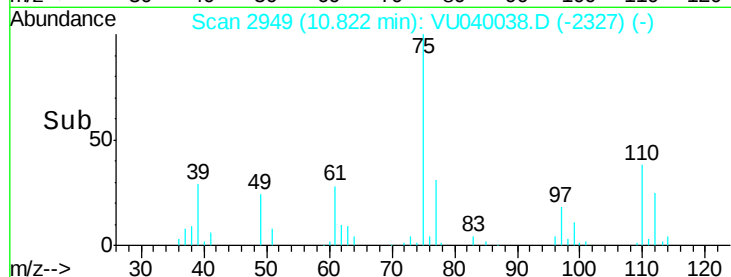
20000

10000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 5.075 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

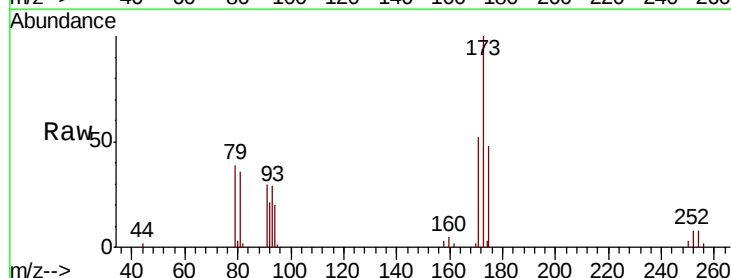
Tgt Ion:173 Resp: 28520

Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.6

254 7.8 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU040038.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040038.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040038.D (-2772) (-)

10.29

20000

15000

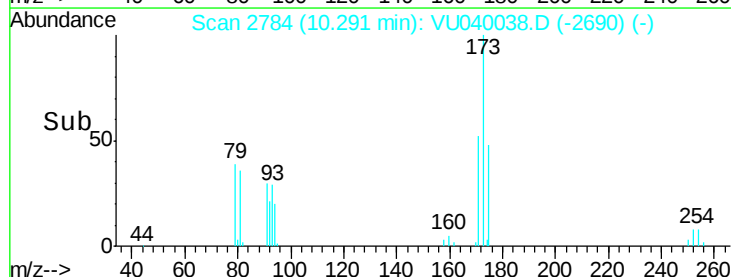
10000

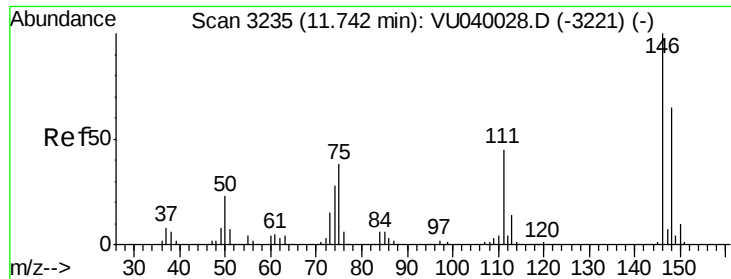
5000

0

Time-->

10.25 10.30 10.35

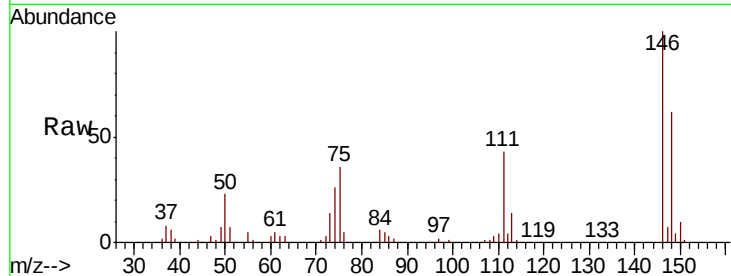




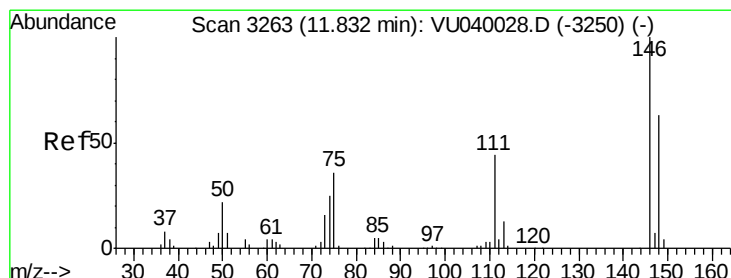
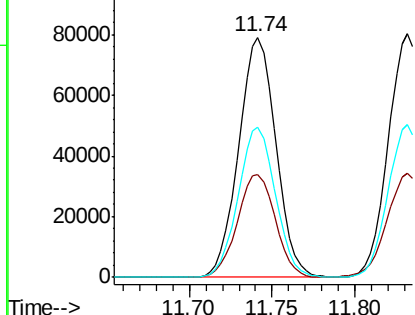
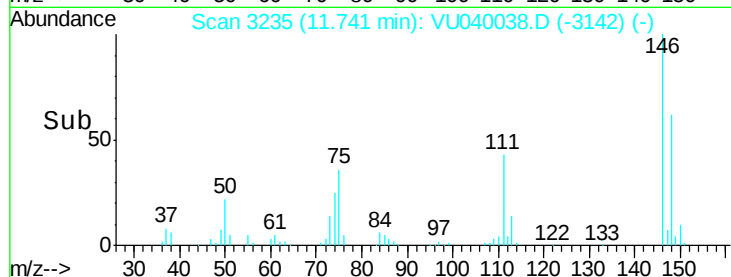
#62
 1,3-Dichlorobenzene
 Concen: 5.521 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	31.6	58.8
148	62.5	44.2	82.0

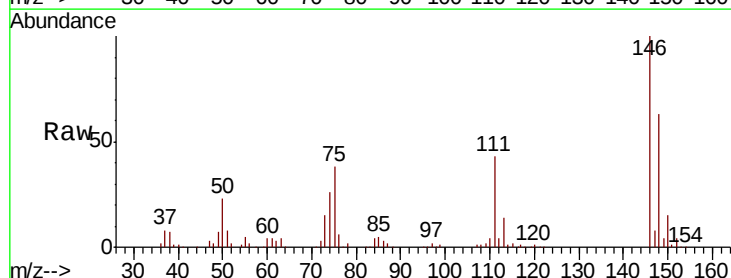


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

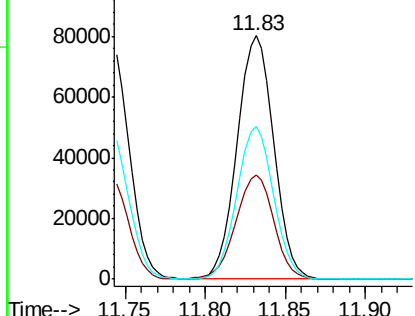
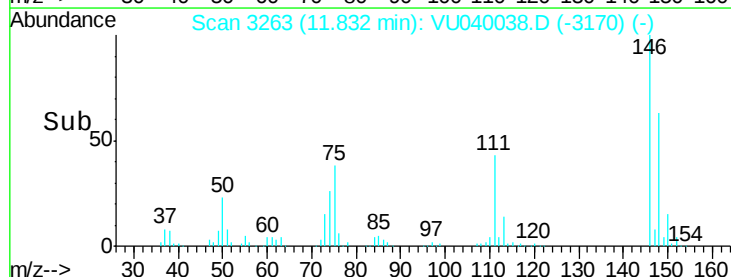


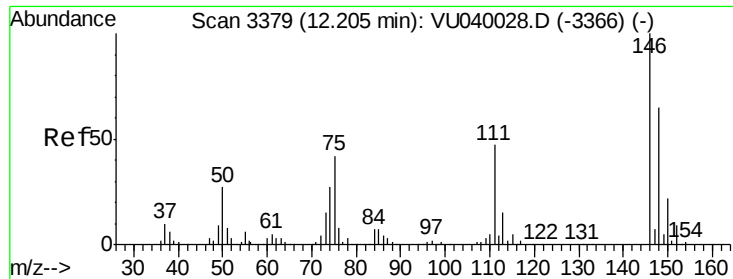
#63
 1,4-Dichlorobenzene
 Concen: 5.508 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	30.5	56.7
148	62.7	45.4	84.4



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





#65

1,2-Dichlorobenzene

Concen: 5.348 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

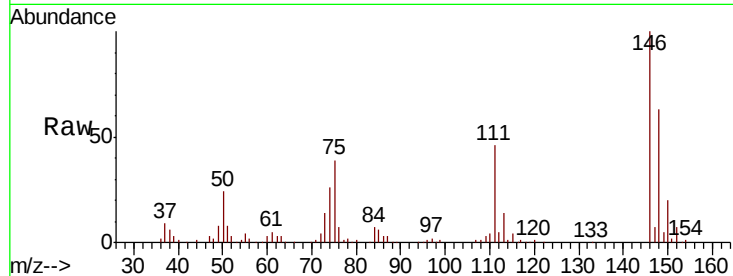
Tot Ion:146 Resp: 115898

Ion Ratio Lower Upper

146 100

111 45.6 36.5 54.7

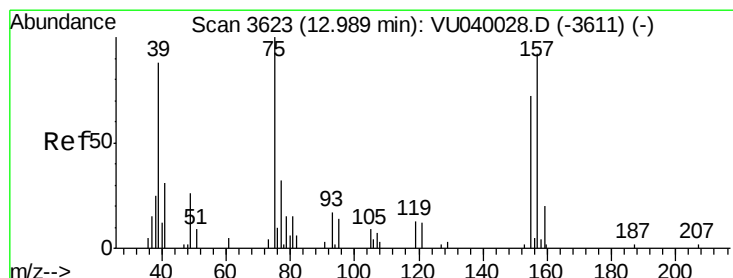
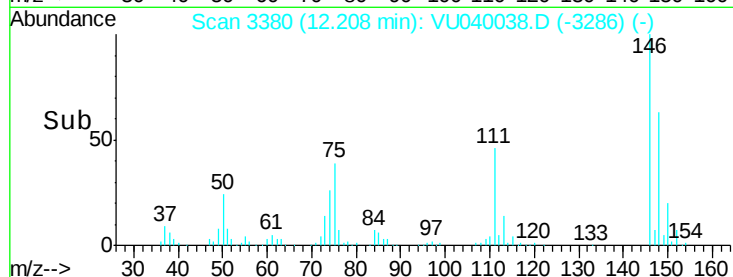
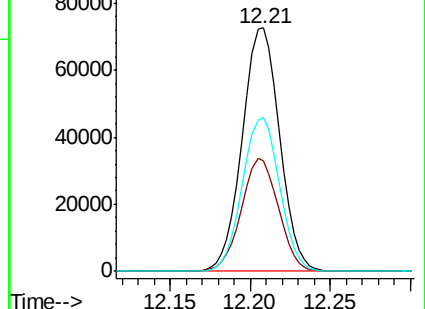
148 63.2 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.372 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040038.D

Acq: 04 Sep 2020 10:04

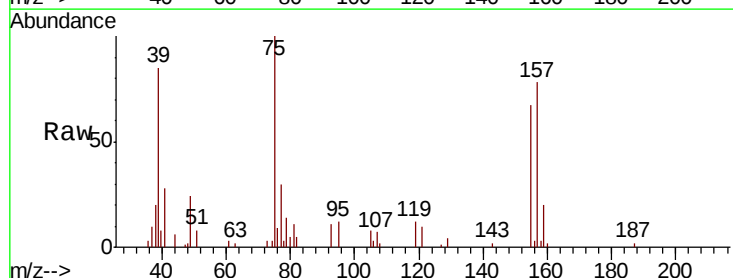
Tgt Ion: 75 Resp: 12451

Ion Ratio Lower Upper

75 100

155 67.0 54.6 82.0

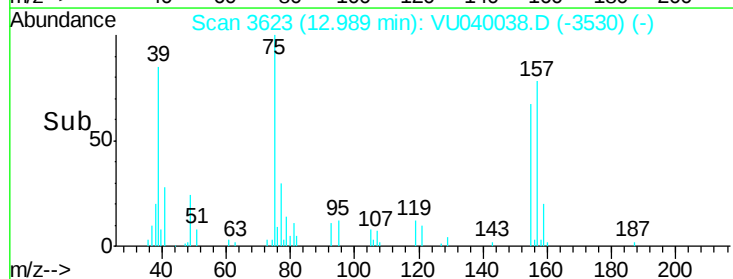
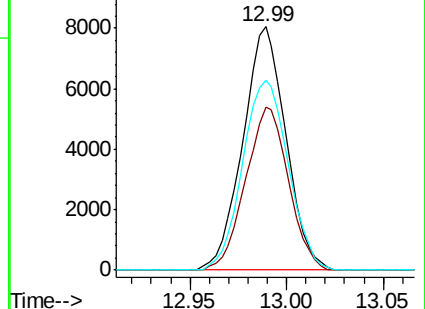
157 78.2 75.6 113.4

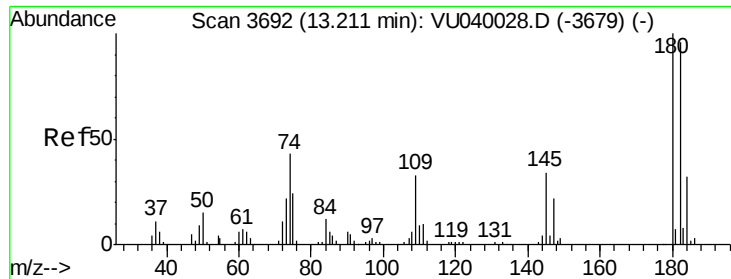


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

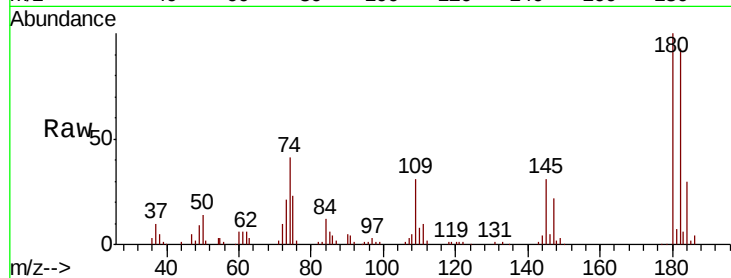




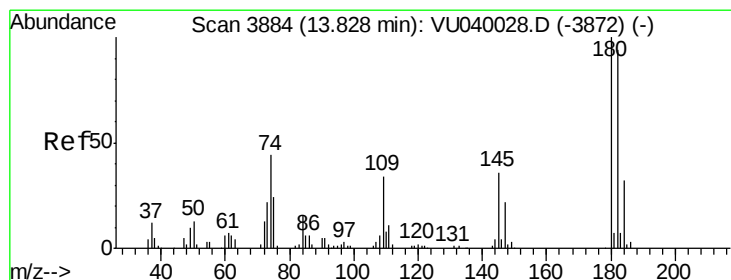
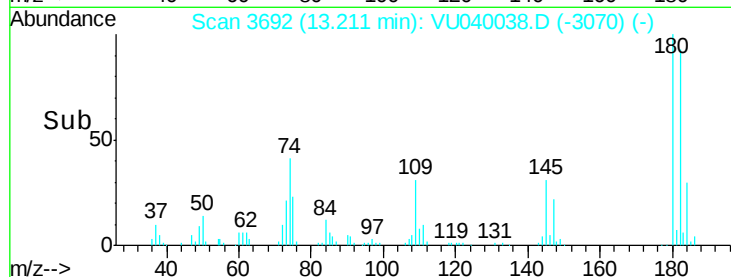
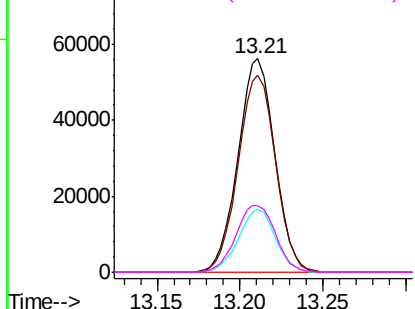
#67
 1,3,5-Trichlorobenzene
 Concen: 5.516 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 86854
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.9 115.3
 184 29.5 24.6 36.8
 145 33.5 27.0 40.6

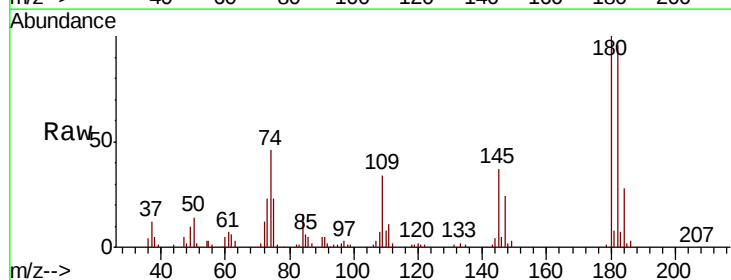


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

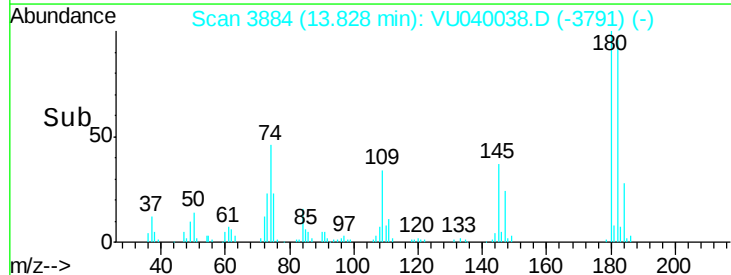
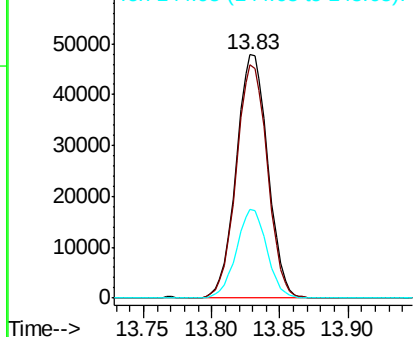


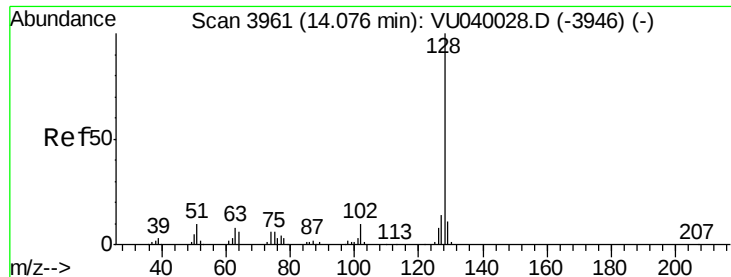
#68
 1,2,4-trichlorobenzene
 Concen: 5.685 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040038.D
 Acq: 04 Sep 2020 10:04

Tgt Ion:180 Resp: 77103
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.0 114.0
 145 35.2 28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

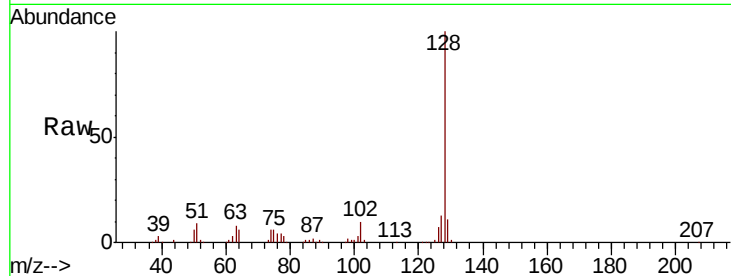




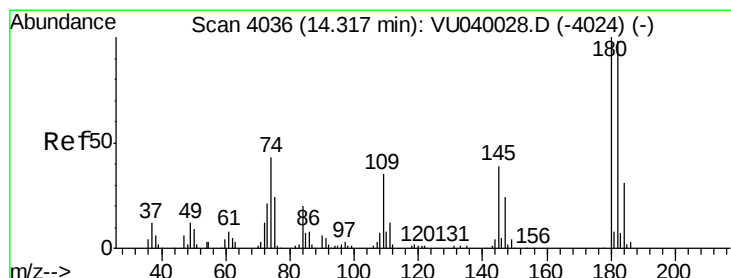
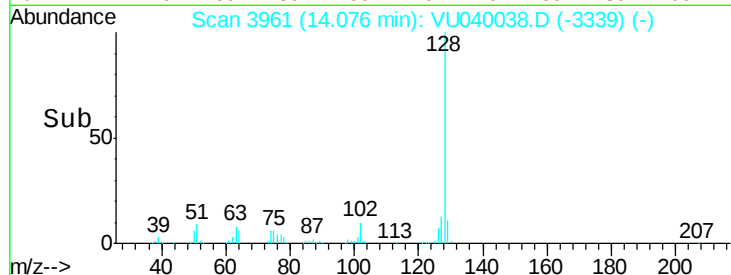
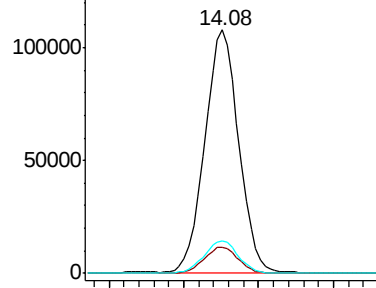
#69
Naphthalene
Concen: 5.957 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 168407
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.8 10.7 16.1

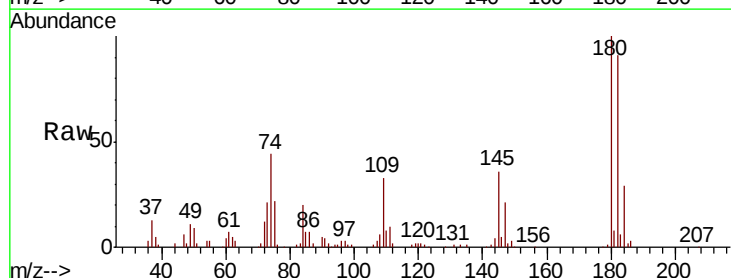


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.752 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040038.D
Acq: 04 Sep 2020 10:04

Tgt Ion:180 Resp: 71667
Ion Ratio Lower Upper
180 100
182 95.4 77.8 116.6
145 38.3 28.7 43.1



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

