

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039586.D
 Acq On : 21 Jul 2020 09:22
 Operator : SY/MD
 Sample : VSTD0.506
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Quant Time: Jul 21 11:01:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 21 10:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119317	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109904	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	3400	0.53	ug/L	0.00
7) Chloroethane-d5	1.92	69	3313	0.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	6747	0.52	ug/L	0.00
20) 2-Butanone-d5	4.66	46	13500	4.58	ug/L	0.00
24) Chloroform-d	5.08	84	7273	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5426	0.60	ug/L	0.00
32) Benzene-d6	5.74	84	15157	0.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	4998	0.56	ug/L	0.00
41) Toluene-d8	7.91	98	14199	0.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1861	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	9267	4.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	4157	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	4867	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2593	0.374 ug/L	100
3) Chloromethane	1.53	50	3152	0.380 ug/L	93
5) Vinyl chloride	1.61	62	3363	0.368 ug/L	100
6) Bromomethane	1.87	94	2130	0.497 ug/L	81
8) Chloroethane	1.94	64	2680	0.394 ug/L	92
9) Trichlorofluoromethane	2.15	101	5867	0.354 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2781	0.410 ug/L	93
12) 1,1-Dichloroethene	2.59	96	2560	0.377 ug/L #	79
13) Acetone	2.66	43	2188	1.316 ug/L #	7
14) Carbon disulfide	2.81	76	7911	0.336 ug/L	95
15) Methyl Acetate	2.98	43	1467	0.337 ug/L	100
16) Methylene chloride	3.06	84	5244	0.604 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	8106	0.373 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	2836	0.374 ug/L	94
19) 1,1-Dichloroethane	3.89	63	5667	0.374 ug/L	90
21) 2-Butanone	4.74	43	10769	3.653 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	3339	0.387 ug/L	97
23) Bromochloromethane	5.00	128	1493	0.382 ug/L	84
25) Chloroform	5.10	83	7157	0.463 ug/L	95
27) 1,2-Dichloroethane	5.81	62	4384	0.395 ug/L #	76
29) 1,1,1-Trichloroethane	5.33	97	5399	0.423 ug/L	97
30) Cyclohexane	5.40	56	4668	0.361 ug/L #	94
31) Carbon tetrachloride	5.54	117	4697	0.433 ug/L	90
33) Benzene	5.79	78	11918	0.374 ug/L	100
34) Trichloroethene	6.55	95	3648	0.442 ug/L	81
35) Methylcyclohexane	6.77	83	4617	0.355 ug/L	98
37) 1,2-Dichloropropane	6.80	63	3382	0.389 ug/L #	90
38) Bromodichloromethane	7.11	83	4073	0.365 ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	4349	0.333 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	25278	3.515 ug/L	99

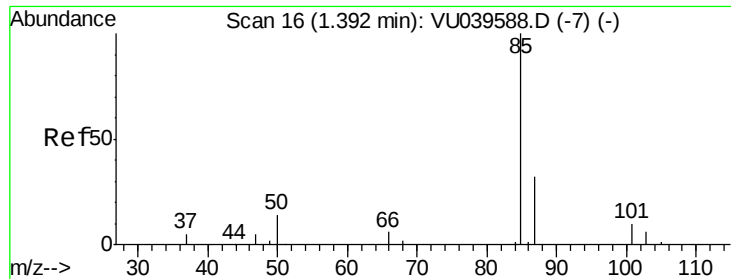
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	12384	0.362	ug/L	91
44) trans-1,3-Dichloropropene	8.22	75	4002	0.345	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	2523	0.403	ug/L	97
47) Tetrachloroethene	8.56	164	2081	0.360	ug/L	91
48) 2-Hexanone	8.69	43	18848	3.564	ug/L	99
49) Dibromochloromethane	8.82	129	2846	0.373	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2411	0.380	ug/L #	100
51) Chlorobenzene	9.45	112	7997	0.380	ug/L	96
52) Ethylbenzene	9.57	91	13994	0.368	ug/L	98
53) m,p-Xylene	9.70	106	5296	0.369	ug/L	95
54) o-Xylene	10.10	106	4890	0.349	ug/L	91
55) Styrene	10.12	104	7443	0.305	ug/L	89
56) Isopropylbenzene	10.48	105	13809	0.364	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	2996	0.343	ug/L #	83
59) 1,2,3-Trichloropropane	10.83	75	2412	0.373	ug/L	94
61) Bromoform	10.30	173	1567	0.381	ug/L #	89
62) 1,3-Dichlorobenzene	11.74	146	6377	0.414	ug/L	94
63) 1,4-Dichlorobenzene	11.83	146	6518	0.421	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	5985	0.388	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.00	75	221	0.164	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	4360	0.378	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	3306	0.339	ug/L	91
69) Naphthalene	14.08	128	4655	0.242	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	2657	0.296	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.374 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

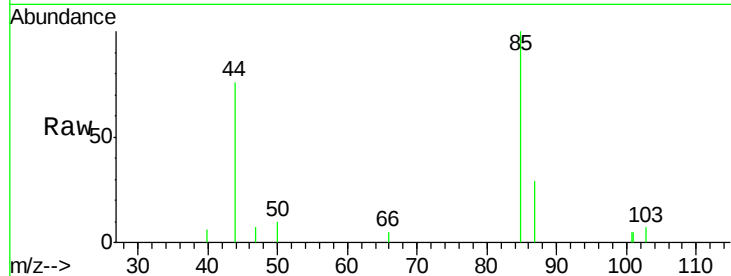
VSTD0.506

Tgt Ion: 85 Resp: 2593

Ion Ratio Lower Upper

85 100

87 30.5 24.5 36.7

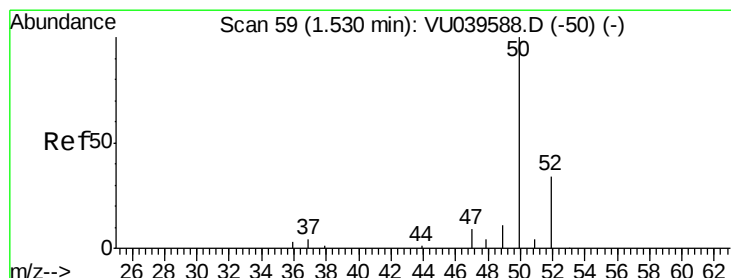
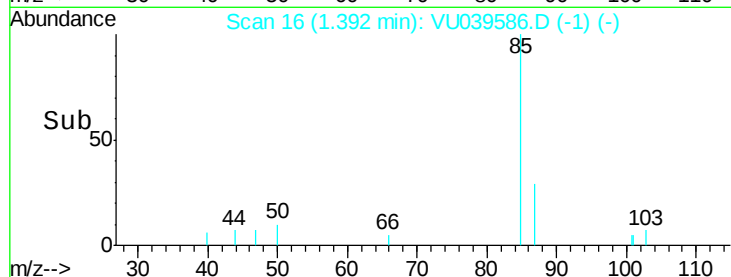


Abundance Ion 85.00 (84.70 to 85.70): VU039588.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039588.D (-7) (-)

1.39

Time-->



#3

Chloromethane

Concen: 0.380 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039586.D

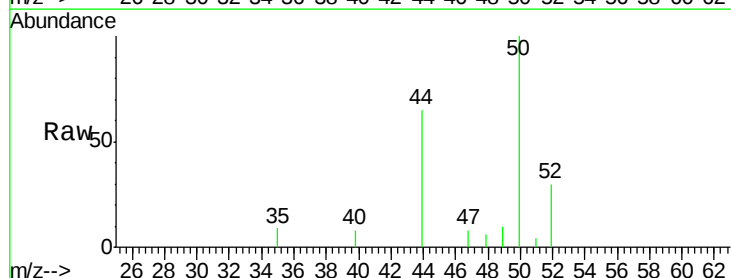
Acq: 21 Jul 2020 09:22

Tgt Ion: 50 Resp: 3152

Ion Ratio Lower Upper

50 100

52 30.1 23.9 44.5

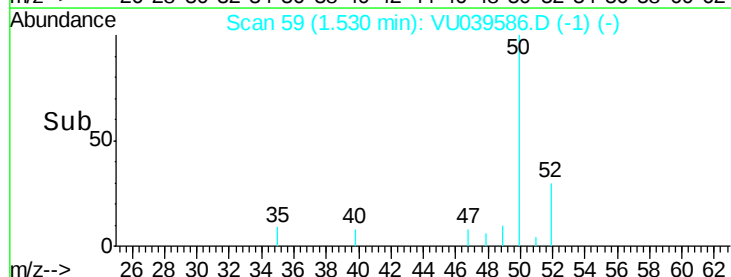


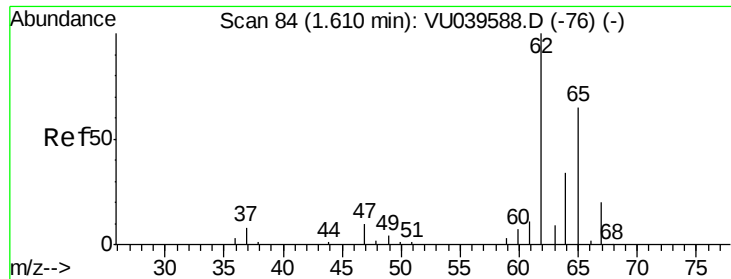
Abundance Ion 50.05 (49.75 to 50.75): VU039588.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039588.D (-50) (-)

1.53

Time-->





#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

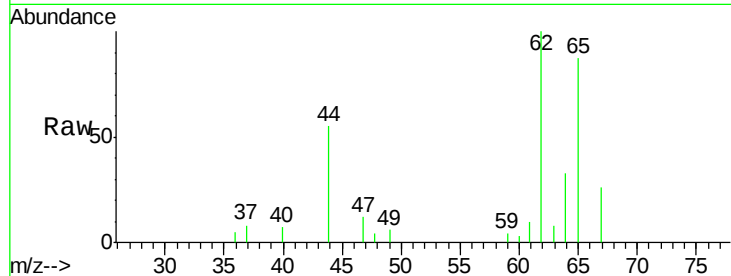
VSTD0.506

Tgt Ion: 62 Resp: 3363

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU039588.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039588.D (-76) (-)

1.61

3000

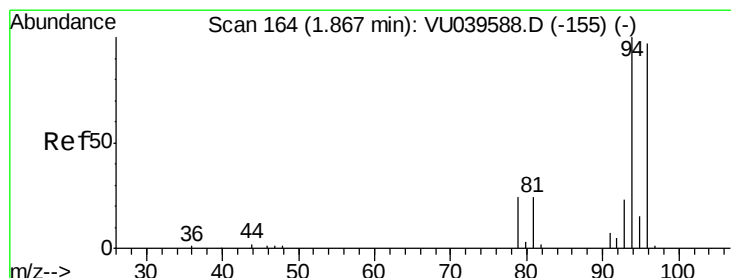
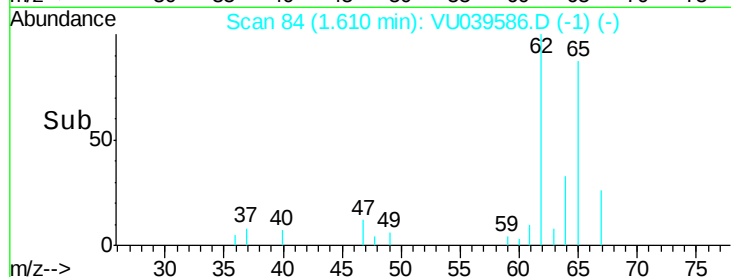
2000

1000

0

1.58 1.60 1.62 1.64

Time-->



#6

Bromomethane

Concen: 0.497 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039586.D

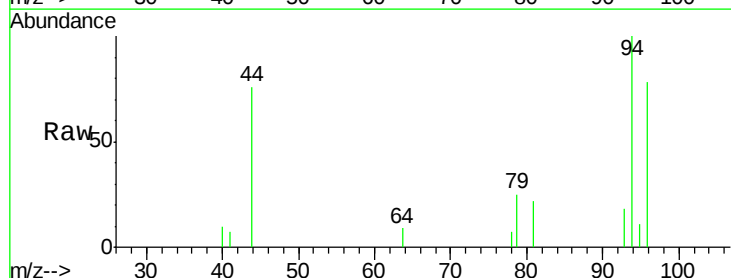
Acq: 21 Jul 2020 09:22

Tgt Ion: 94 Resp: 2130

Ion Ratio Lower Upper

94 100

96 78.4 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VU039588.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039588.D (-155) (-)

1.87

2000

1500

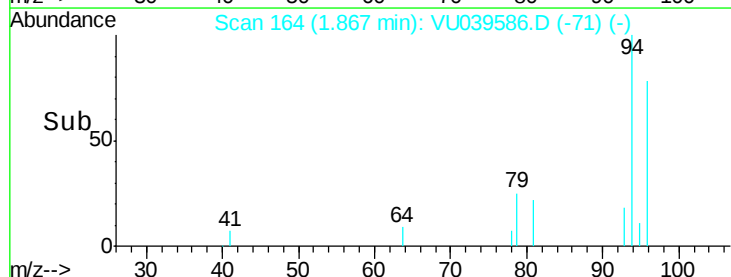
1000

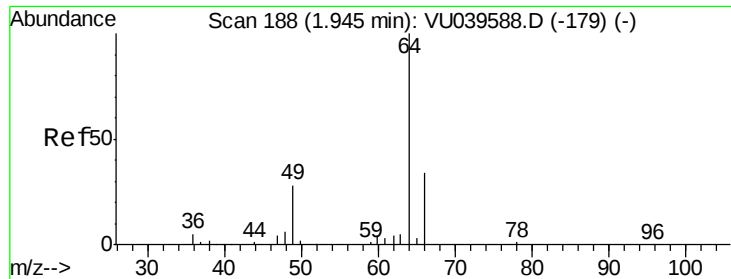
500

0

1.84 1.86 1.88 1.90

Time-->





#8

Chloroethane

Concen: 0.394 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

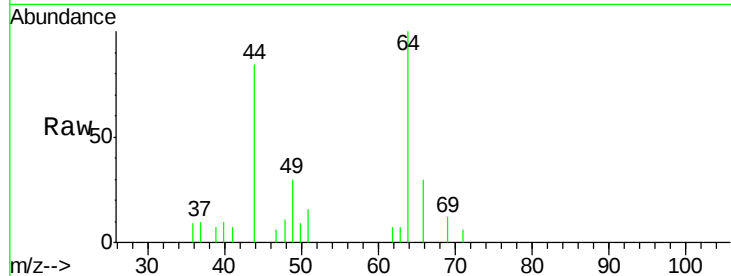
VSTD0.506

Tgt Ion: 64 Resp: 2680

Ion Ratio Lower Upper

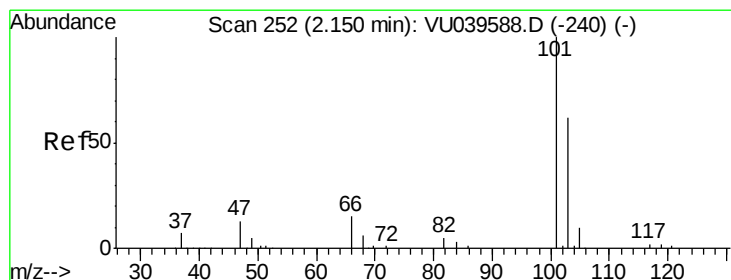
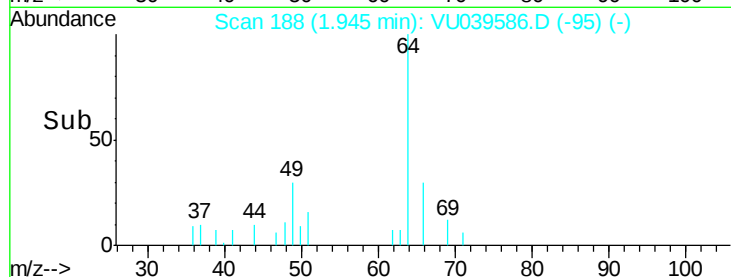
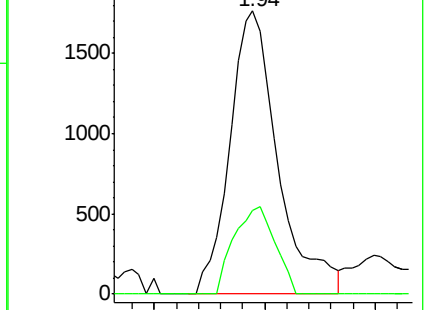
64 100

66 29.6 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VU039588.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU039588.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.354 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039586.D

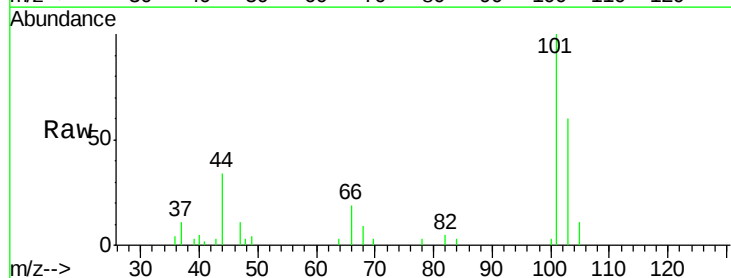
Acq: 21 Jul 2020 09:22

Tgt Ion: 101 Resp: 5867

Ion Ratio Lower Upper

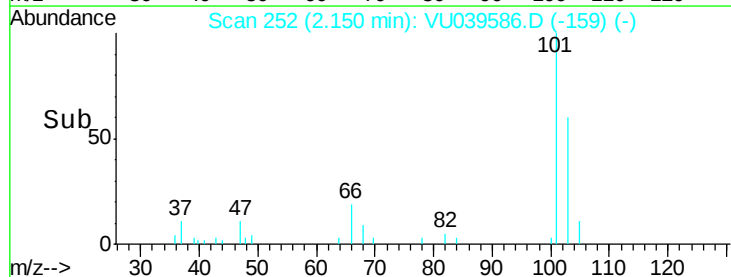
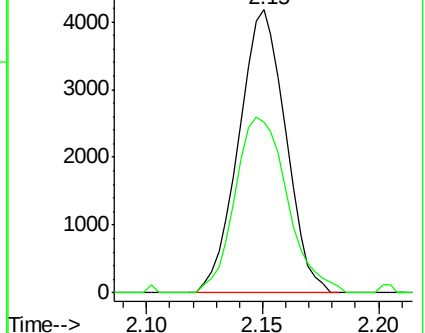
101 100

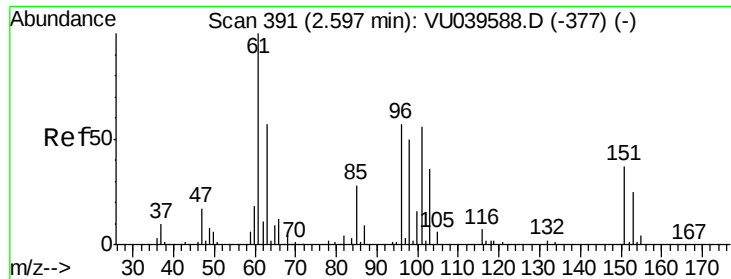
103 69.3 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VU039588.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039588.D (-240) (-)





#10

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

Concen: 0.410 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

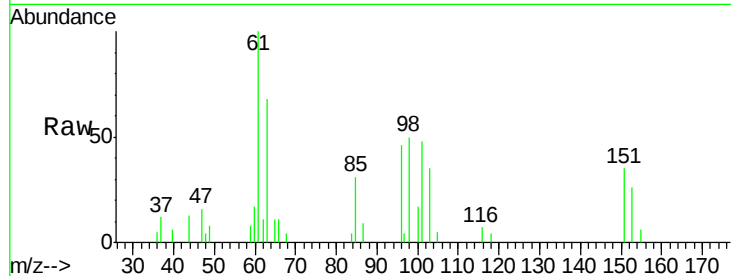
Tgt Ion:101 Resp: 2781

Ion Ratio Lower Upper

101 100

85 52.9 38.7 58.1

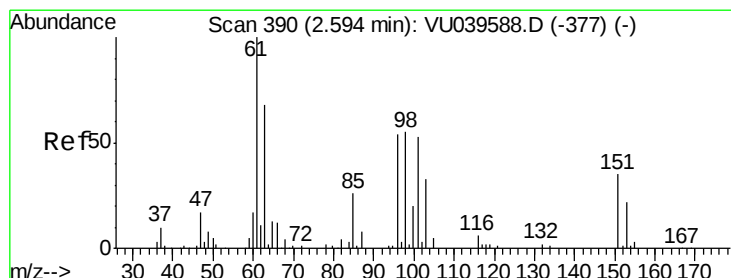
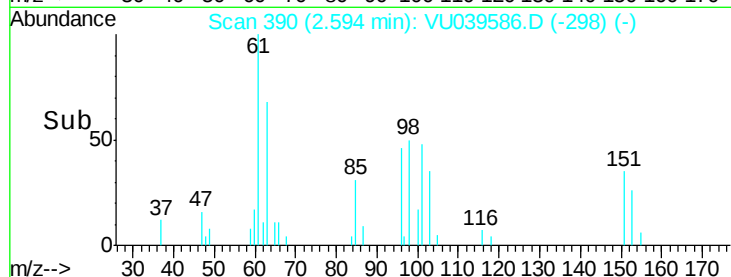
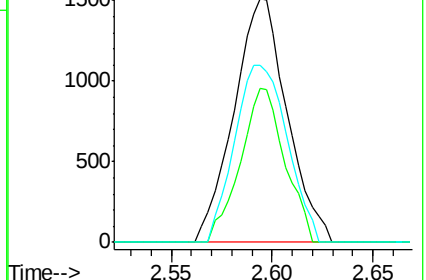
151 72.1 53.4 80.2



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: 0.377 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

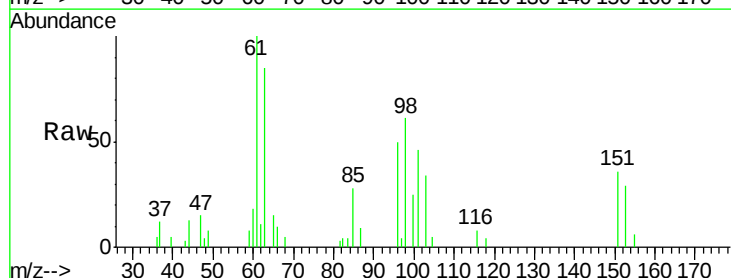
Tgt Ion: 96 Resp: 2560

Ion Ratio Lower Upper

96 100

61 200.1 129.1 239.7

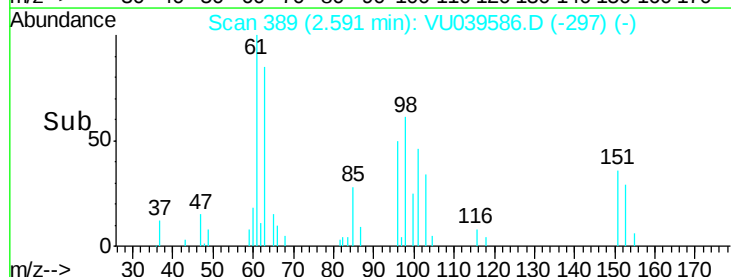
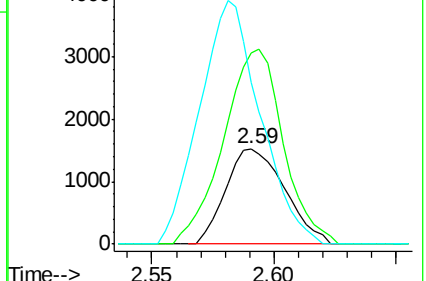
63 169.3 89.7 166.7#

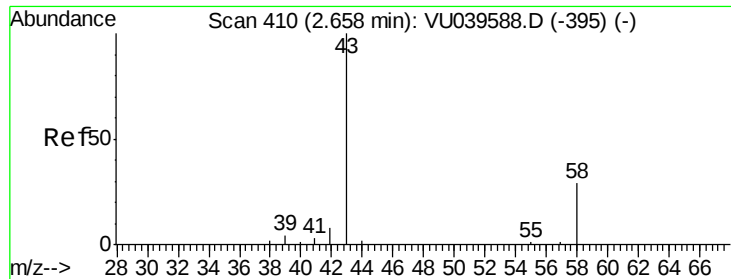


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.316 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

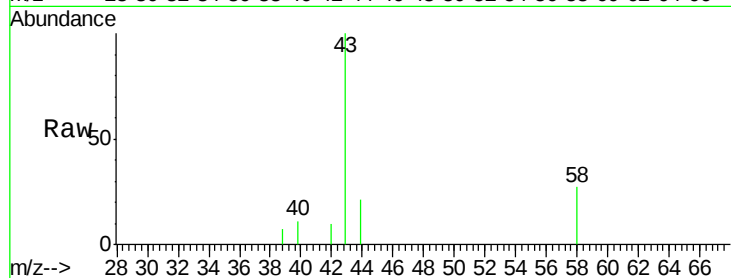
VSTD0.506

Tgt Ion: 43 Resp: 2188

Ion Ratio Lower Upper

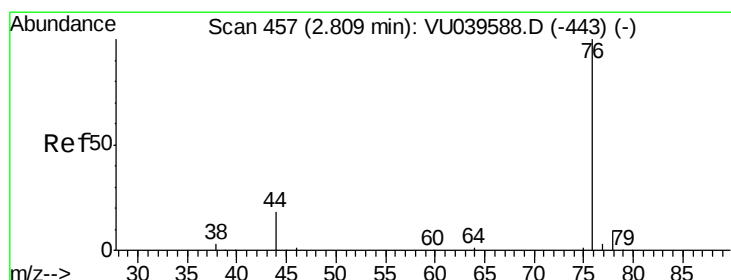
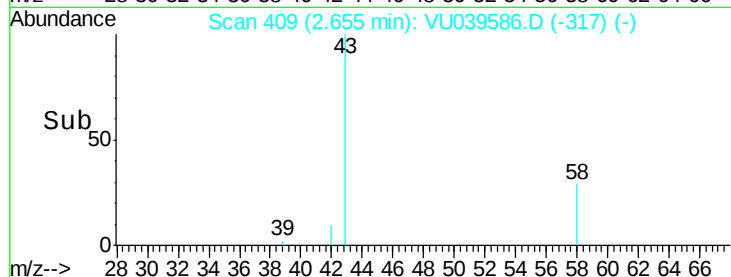
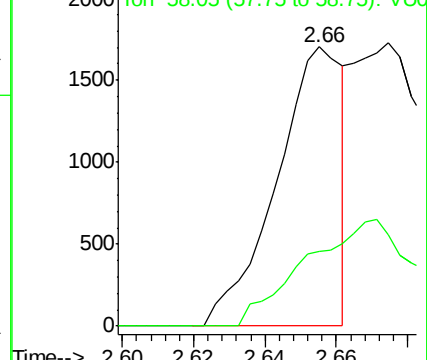
43 100

58 79.5 0.0 59.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039586.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039586.D (-317) (-)



#14

Carbon disulfide

Concen: 0.336 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039586.D

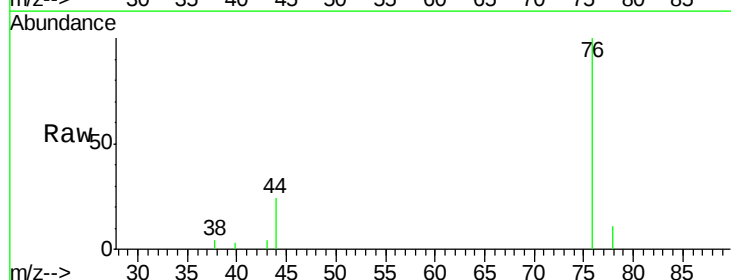
Acq: 21 Jul 2020 09:22

Tgt Ion: 76 Resp: 7911

Ion Ratio Lower Upper

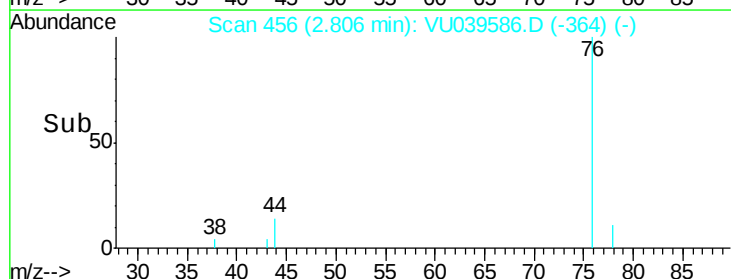
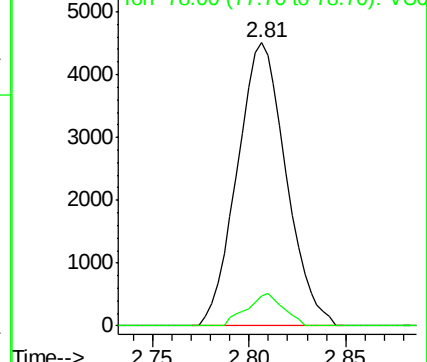
76 100

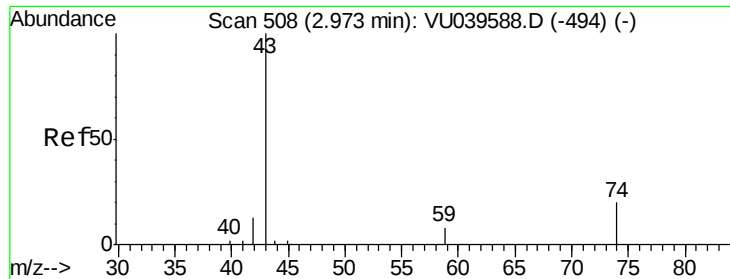
78 10.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039586.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU039586.D (-364) (-)

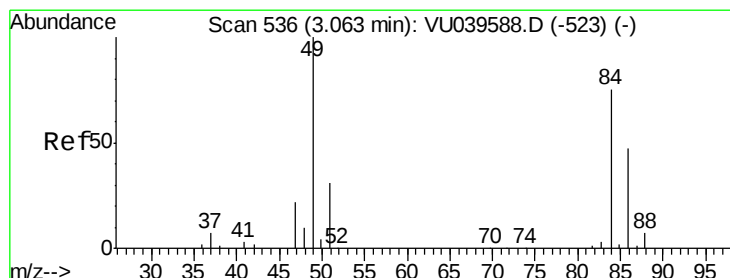
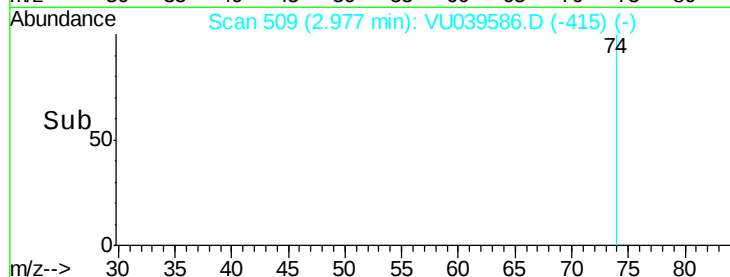
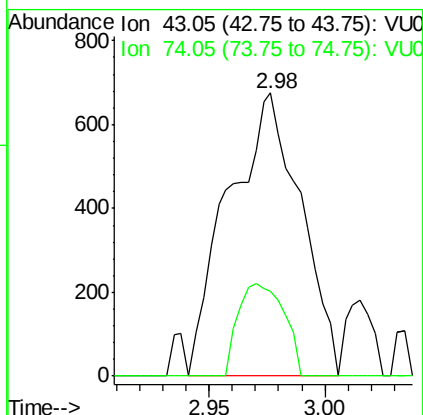
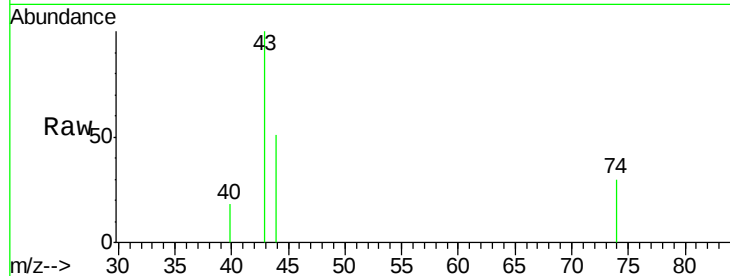




#15
Methyl Acetate
Concen: 0.337 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

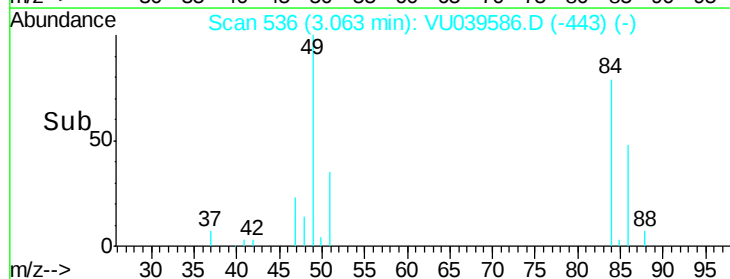
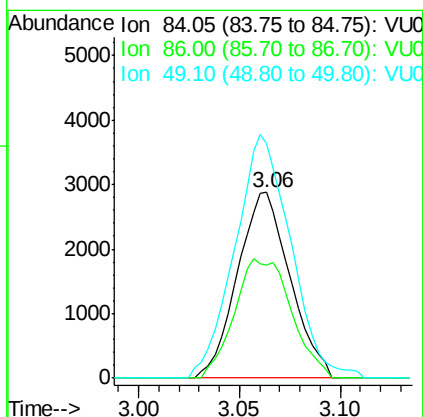
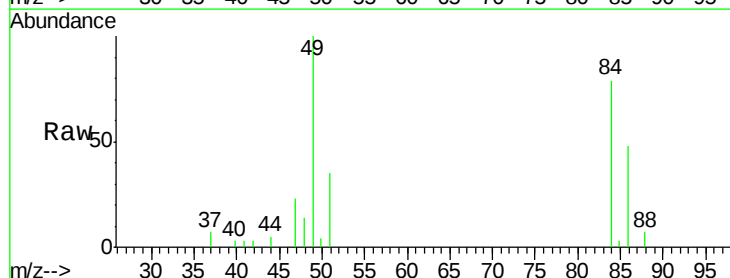
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

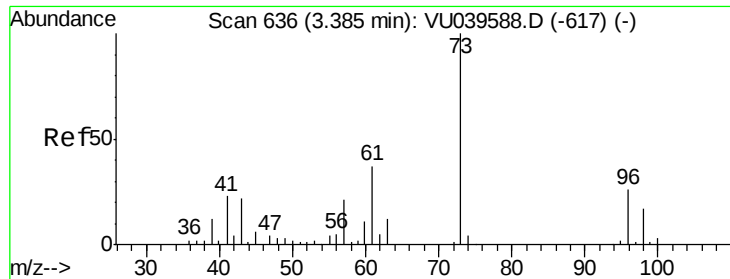
Tgt Ion: 43 Resp: 1467
Ion Ratio Lower Upper
43 100
74 20.5 16.6 24.8



#16
Methylene chloride
Concen: 0.604 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion: 84 Resp: 5244
Ion Ratio Lower Upper
84 100
86 61.2 43.8 81.4
49 131.8 92.7 172.3

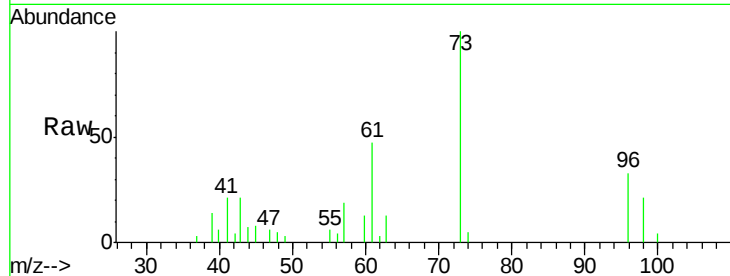




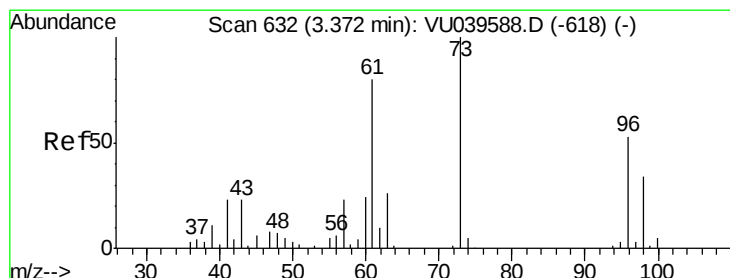
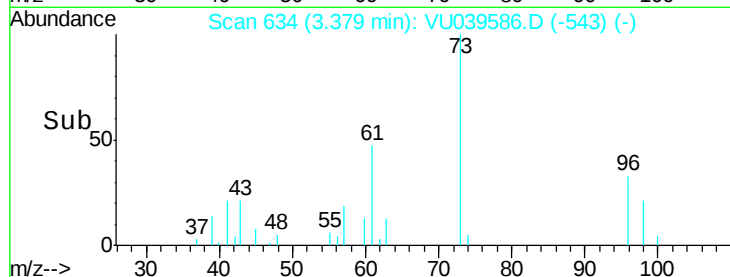
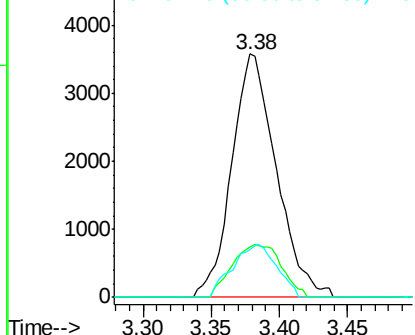
#17
Methyl tert-butyl Ether
Concen: 0.373 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.01 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion: 73 Resp: 8106
Ion Ratio Lower Upper
73 100
43 23.8 18.2 27.4
57 21.4 17.9 26.9

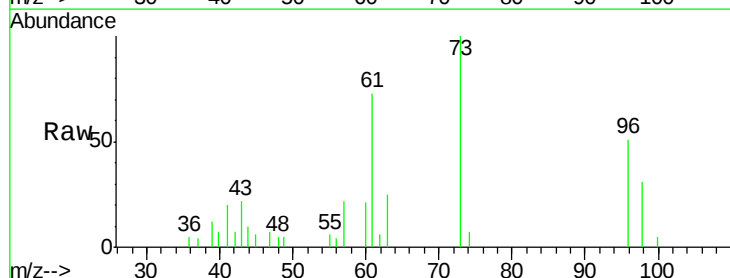


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

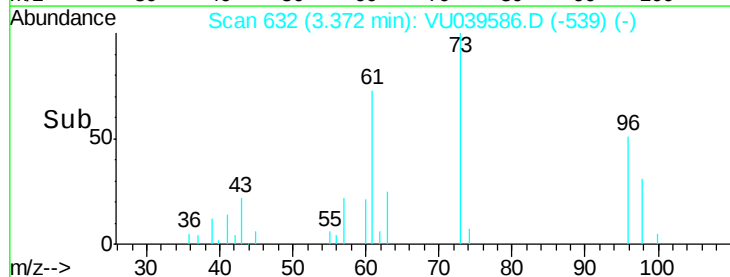
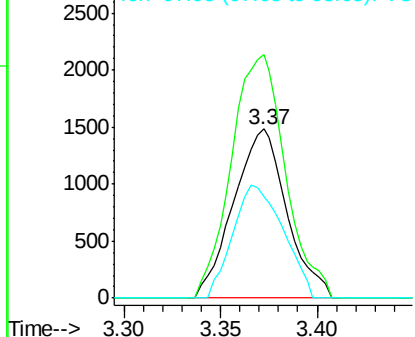


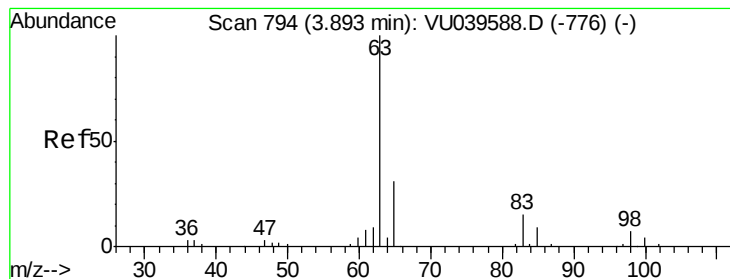
#18
trans-1,2-Dichloroethene
Concen: 0.374 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion: 96 Resp: 2836
Ion Ratio Lower Upper
96 100
61 144.3 106.5 197.9
98 60.3 45.2 84.0



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: 0.374 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

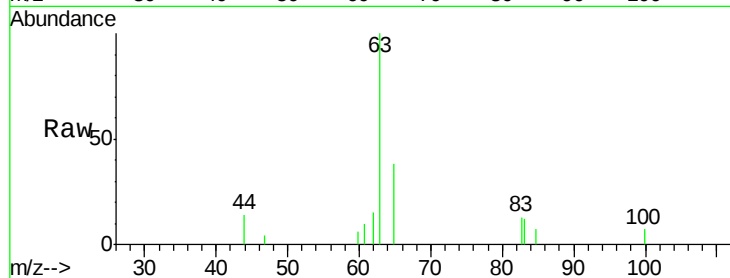
Tgt Ion: 63 Resp: 5667

Ion Ratio Lower Upper

63 100

65 37.6 21.8 40.4

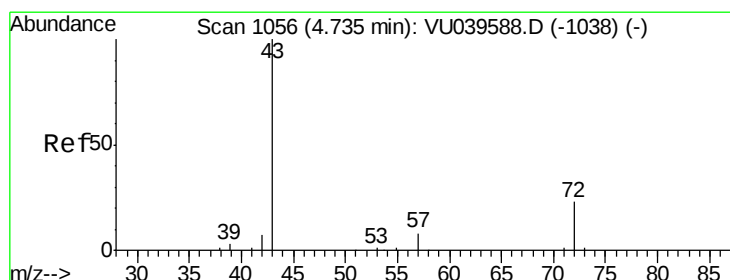
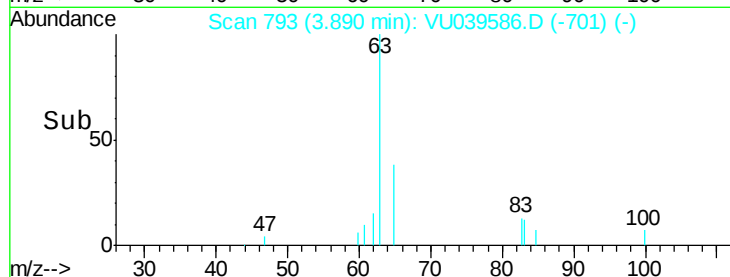
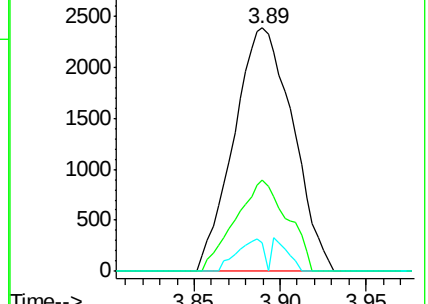
83 12.0 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039588.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU039588.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU039588.D (-776) (-)



#21

2-Butanone

Concen: 3.653 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039586.D

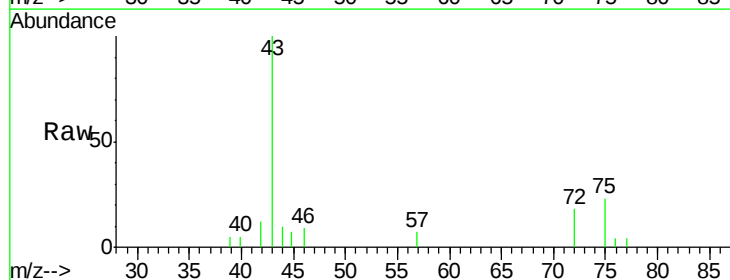
Acq: 21 Jul 2020 09:22

Tgt Ion: 43 Resp: 10769

Ion Ratio Lower Upper

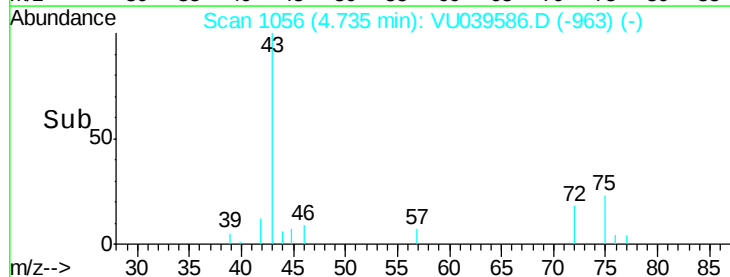
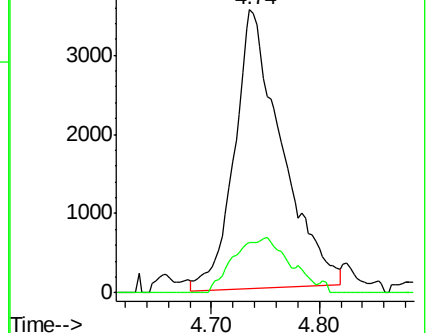
43 100

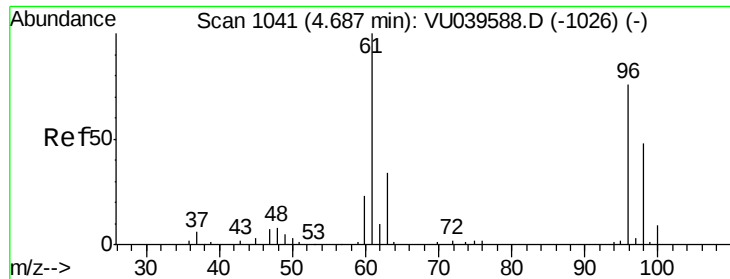
72 23.3 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-1038) (-)

Ion 72.10 (71.80 to 72.80): VU039588.D (-1038) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.387 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

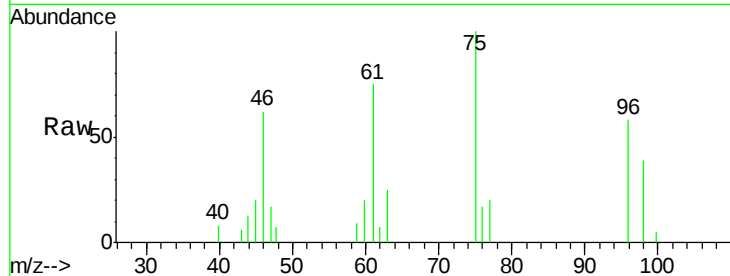
Tgt Ion: 96 Resp: 3339

Ion Ratio Lower Upper

96 100

61 128.8 93.0 172.8

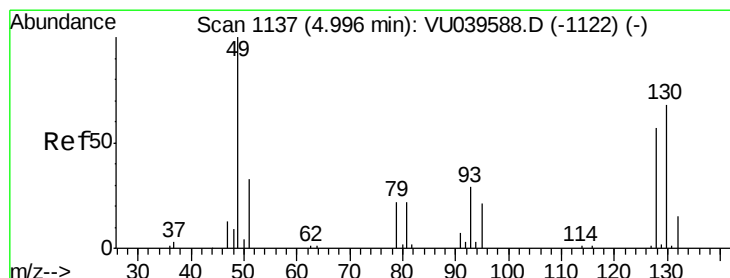
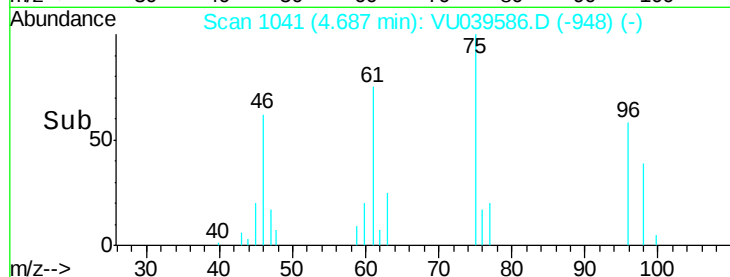
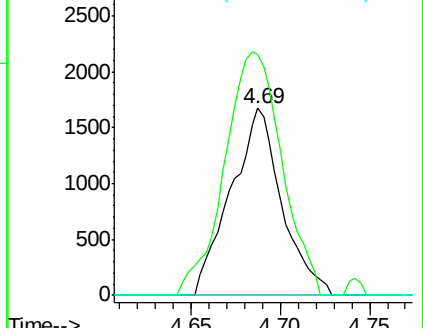
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039588.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU039588.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU039588.D (-1026) (-)



#23

Bromochloromethane

Concen: 0.382 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Tgt Ion: 128 Resp: 1493

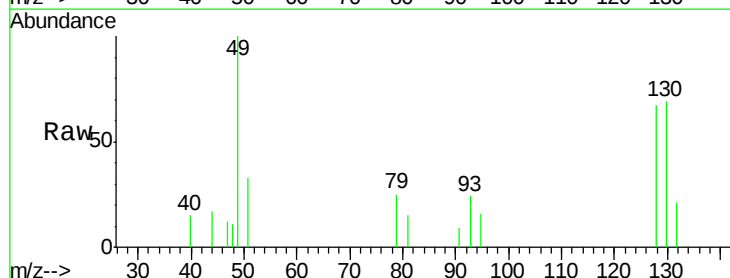
Ion Ratio Lower Upper

128 100

49 149.2 123.1 228.7

130 103.0 83.2 154.4

51 49.9 46.2 69.2

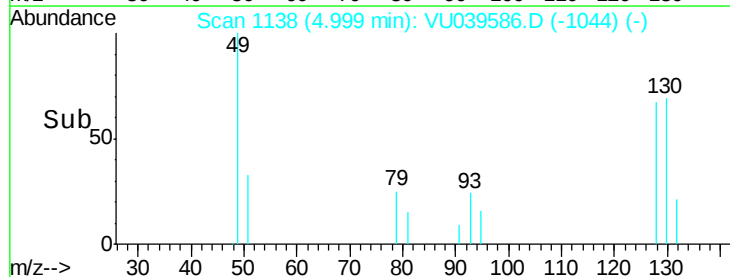
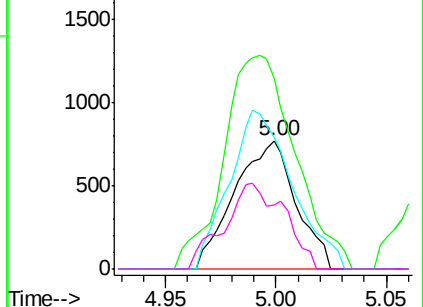


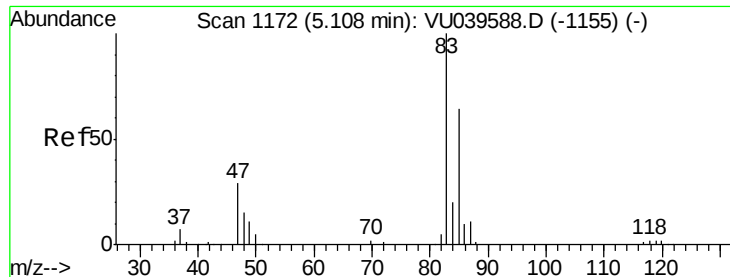
Abundance Ion 127.90 (127.60 to 128.60): VU039588.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039588.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039588.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039588.D (-1122) (-)

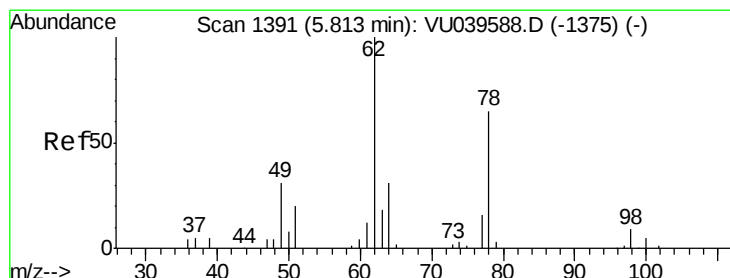
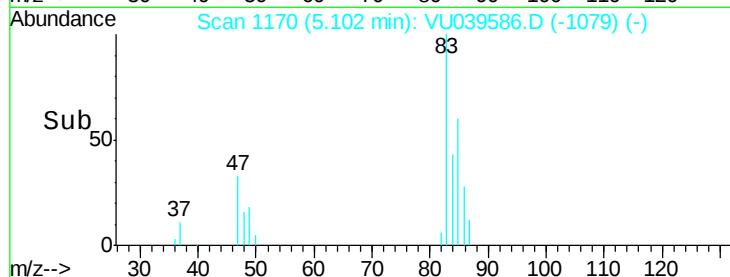
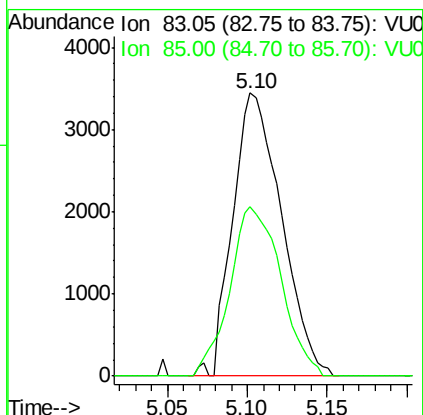
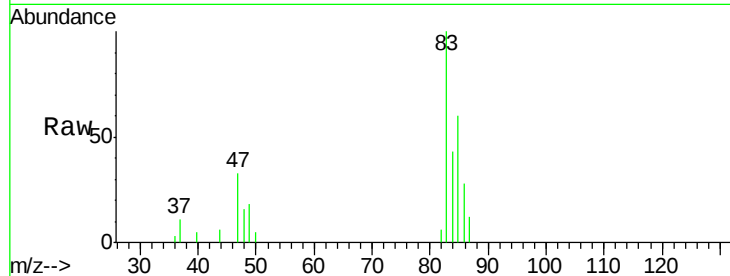




#25
Chloroform
Concen: 0.463 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

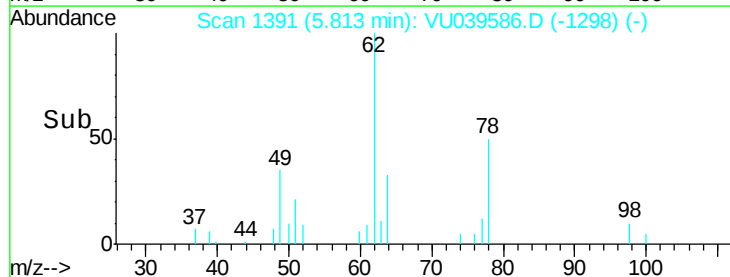
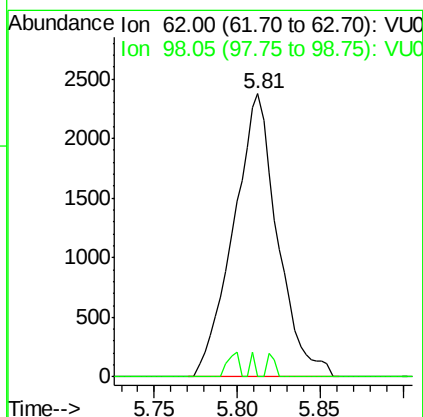
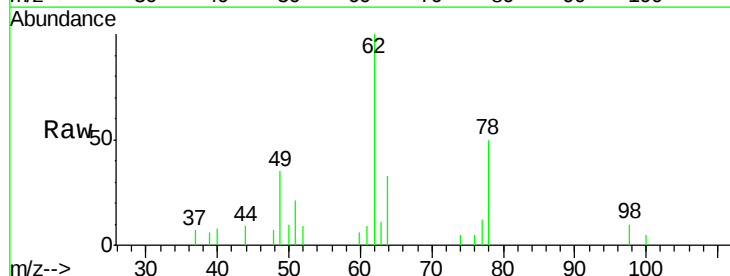
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

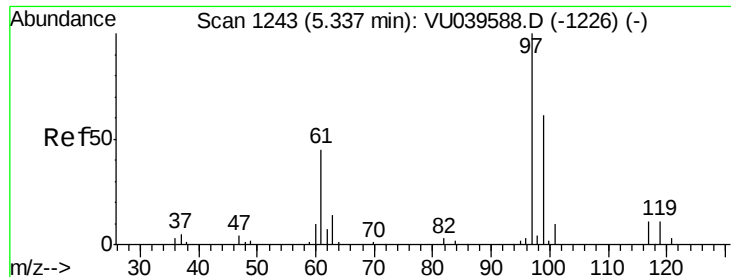
Tgt Ion: 83 Resp: 7157
Ion Ratio Lower Upper
83 100
85 59.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.395 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion: 62 Resp: 4384
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

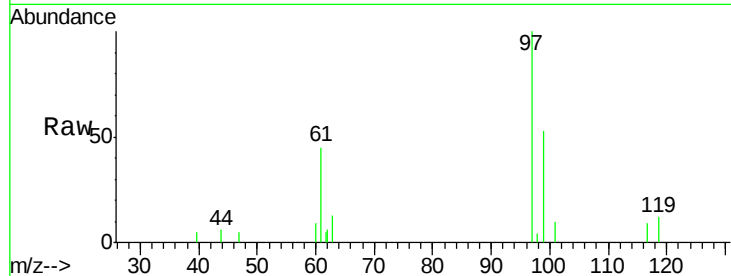




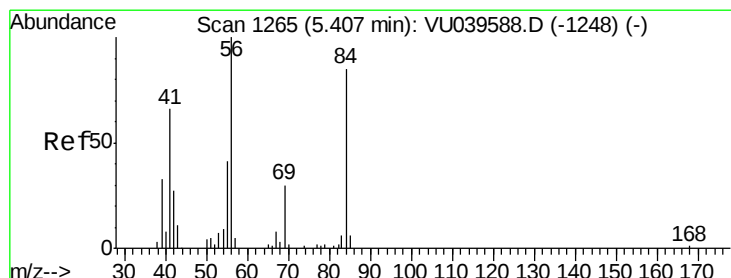
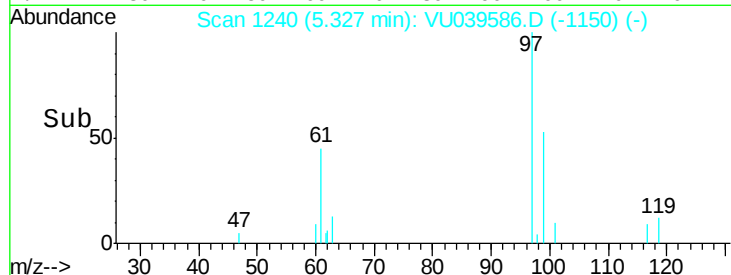
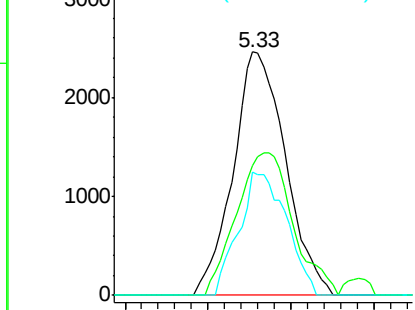
#29
 1,1,1-Trichloroethane
 Concen: 0.423 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion: 97 Resp: 5399
 Ion Ratio Lower Upper
 97 100
 99 63.4 49.5 74.3
 61 45.7 38.8 58.2

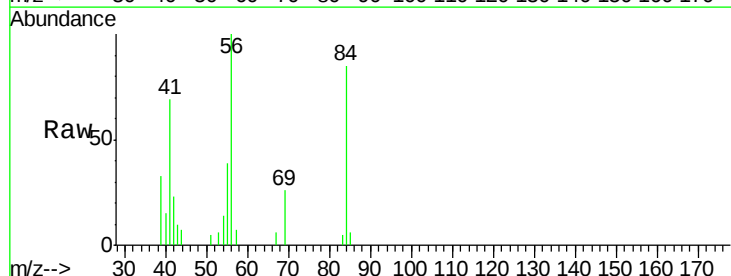


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

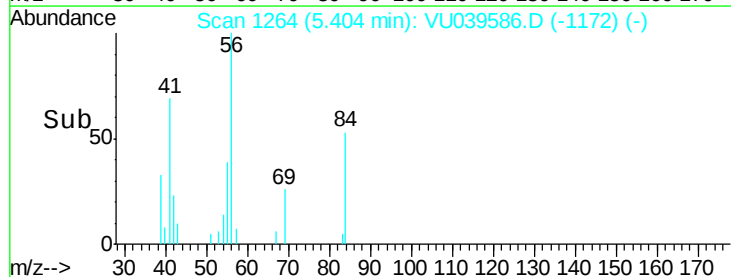
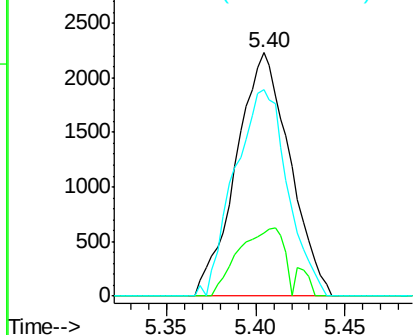


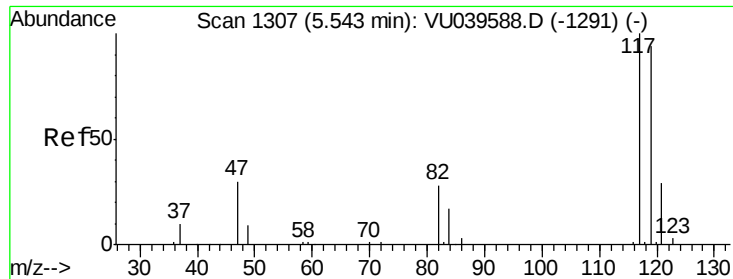
#30
 Cyclohexane
 Concen: 0.361 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion: 56 Resp: 4668
 Ion Ratio Lower Upper
 56 100
 69 23.6 24.0 36.0#
 84 83.5 69.8 104.6



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: 0.433 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

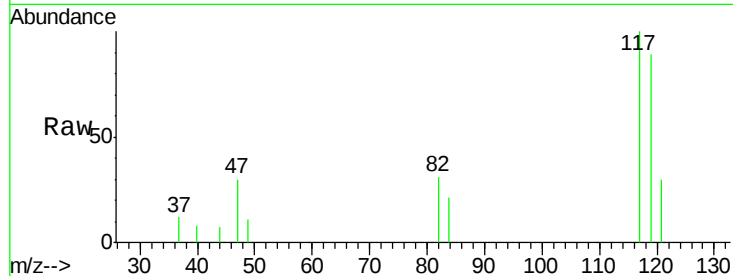
VSTD0.506

Tgt Ion:117 Resp: 4697

Ion Ratio Lower Upper

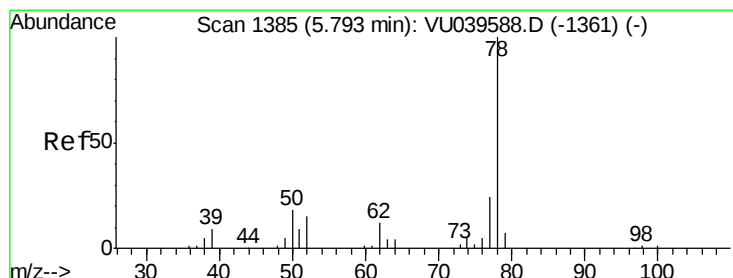
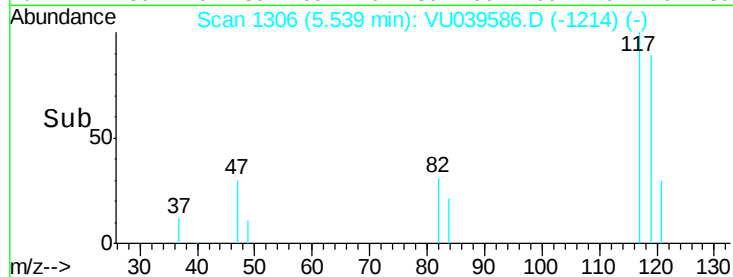
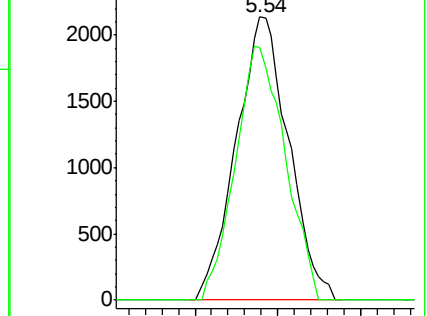
117 100

119 85.2 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.374 ug/L

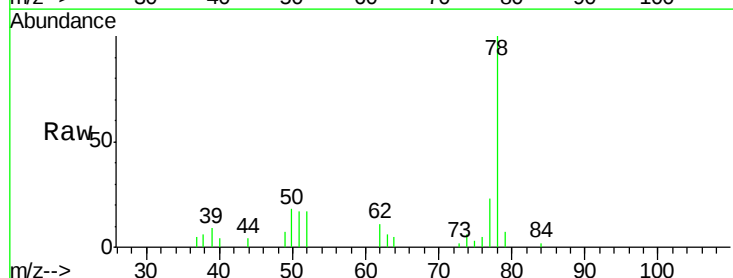
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

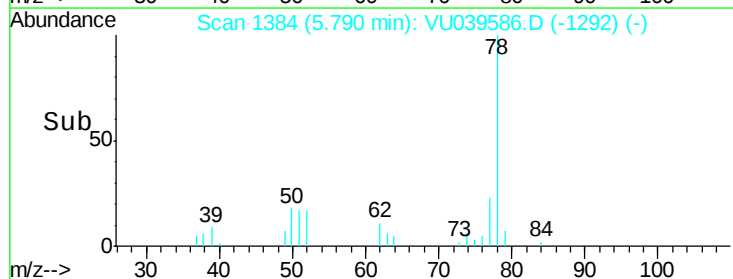
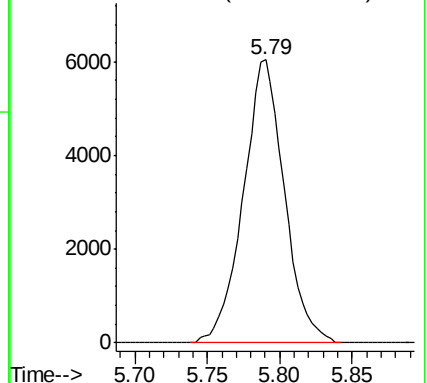
Lab File: VU039586.D

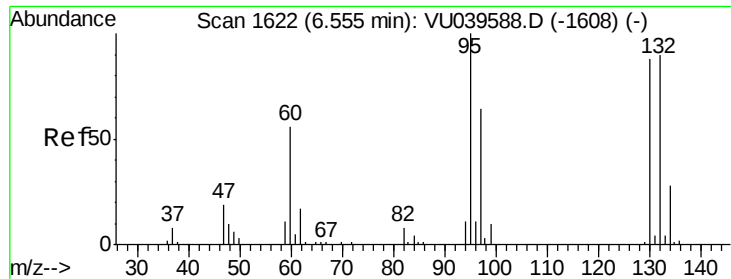
Acq: 21 Jul 2020 09:22

Tgt Ion: 78 Resp: 11918



Abundance Ion 78.10 (77.80 to 78.80): VU0

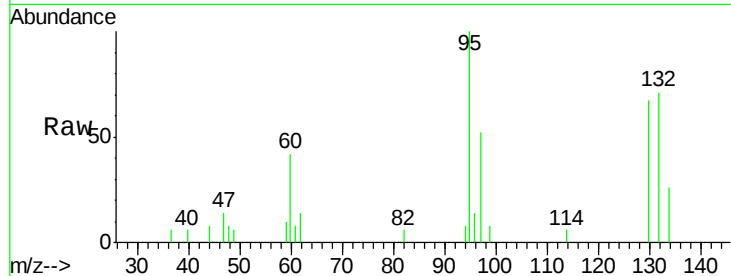




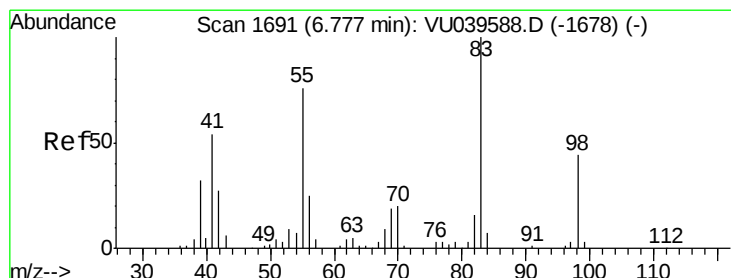
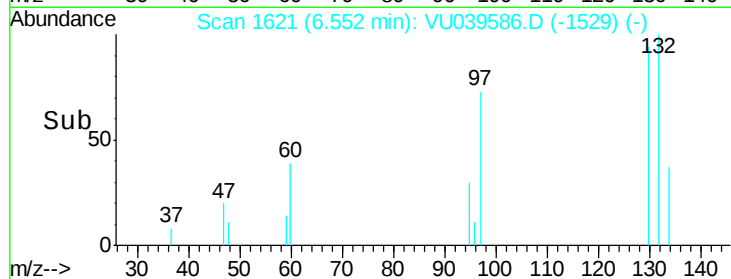
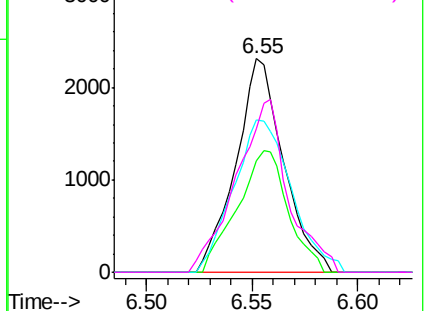
#34
 Trichloroethene
 Concen: 0.442 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion: 95 Resp: 3648
 Ion Ratio Lower Upper
 95 100
 97 52.3 44.9 83.3
 132 71.2 62.8 116.6
 130 67.1 61.5 114.1

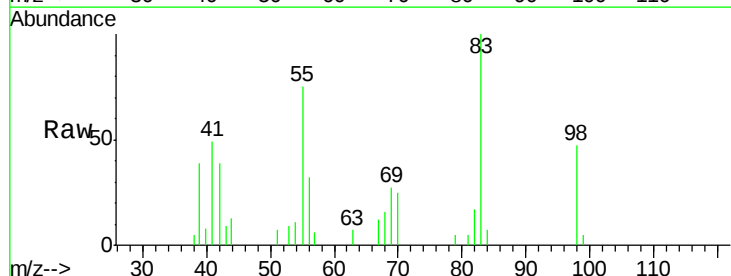


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

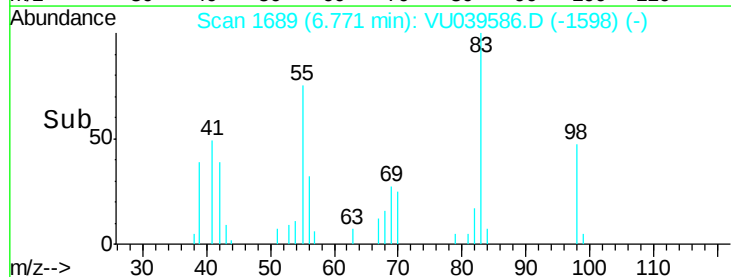
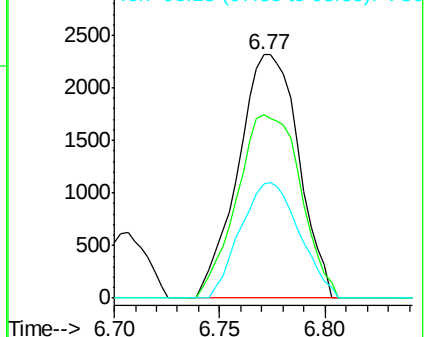


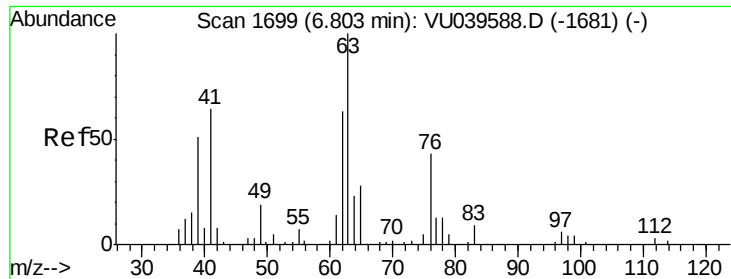
#35
 Methylcyclohexane
 Concen: 0.355 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion: 83 Resp: 4617
 Ion Ratio Lower Upper
 83 100
 55 79.4 63.0 94.6
 98 46.1 35.3 52.9



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

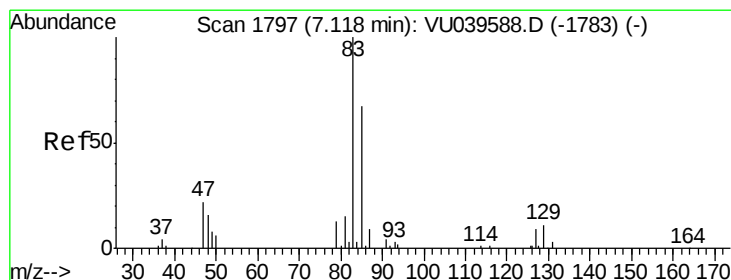
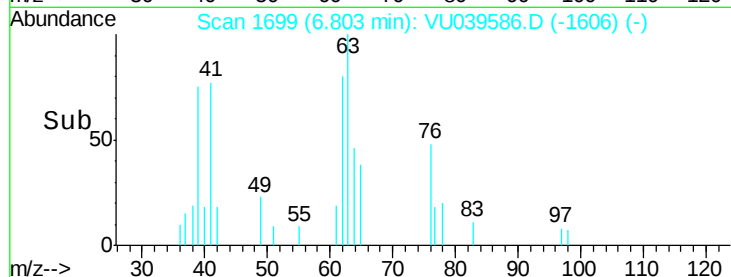
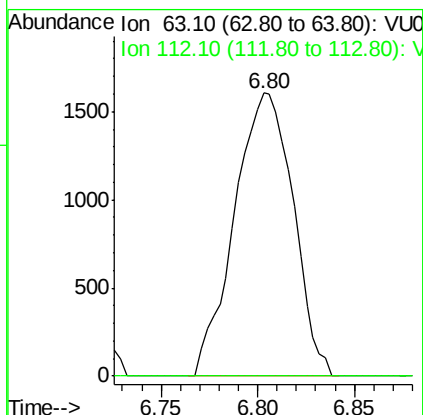
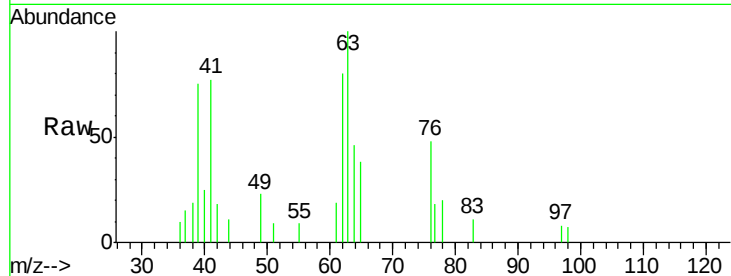




#37
 1,2-Dichloropropane
 Concen: 0.389 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

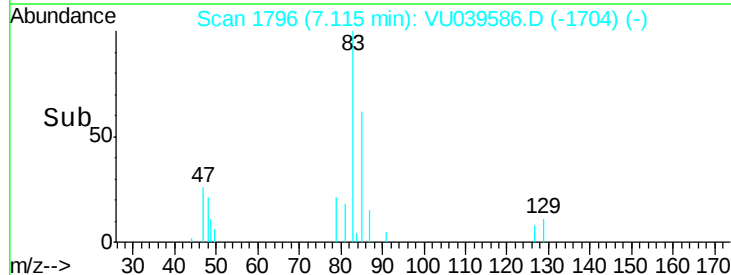
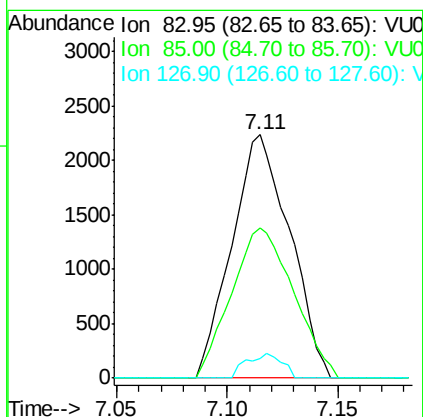
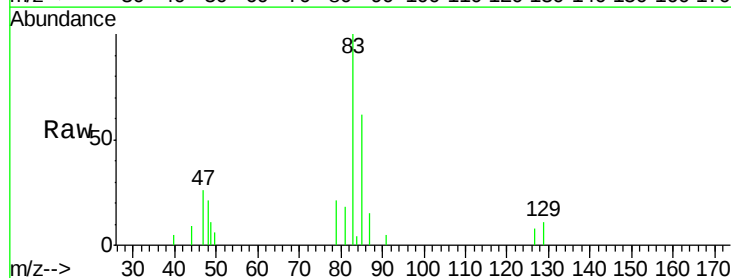
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

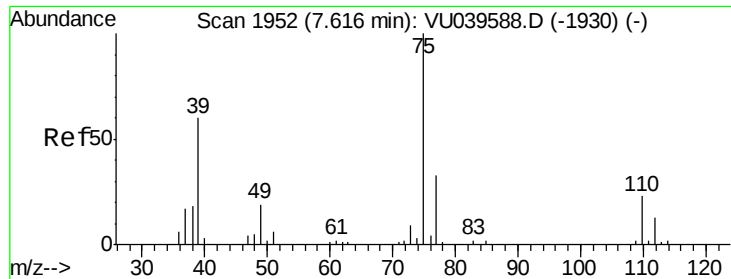
Tgt Ion: 63 Resp: 3382
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.365 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion: 83 Resp: 4073
 Ion Ratio Lower Upper
 83 100
 85 61.8 46.6 86.6
 127 8.3 7.0 10.6

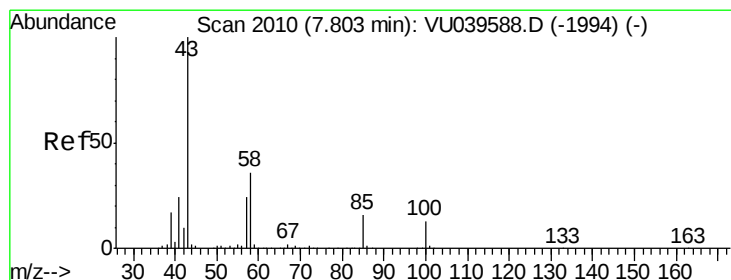
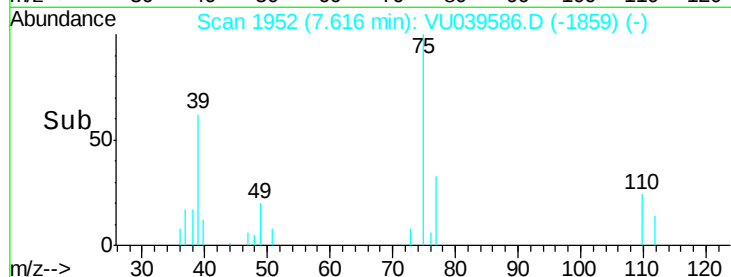
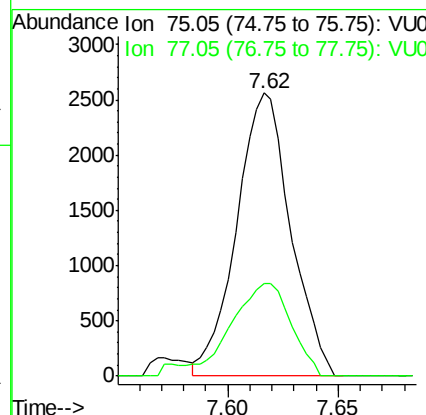
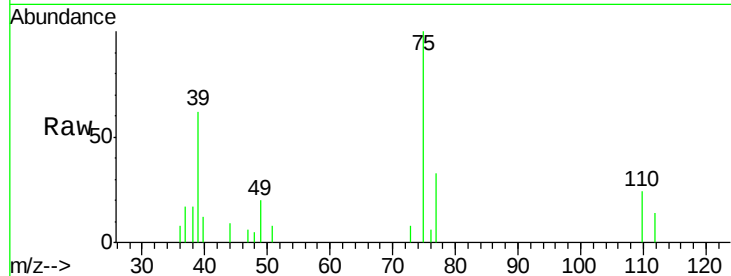




#39
 cis-1,3-Dichloropropene
 Concen: 0.333 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

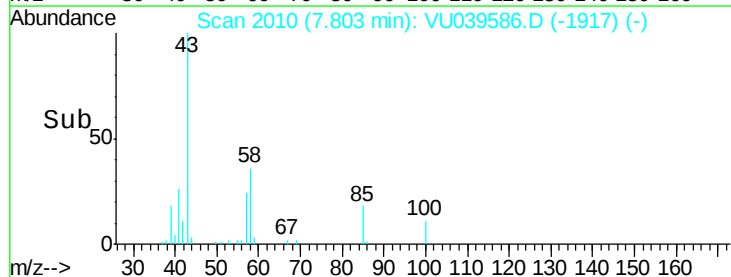
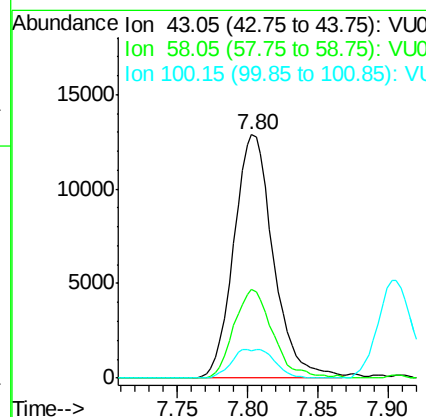
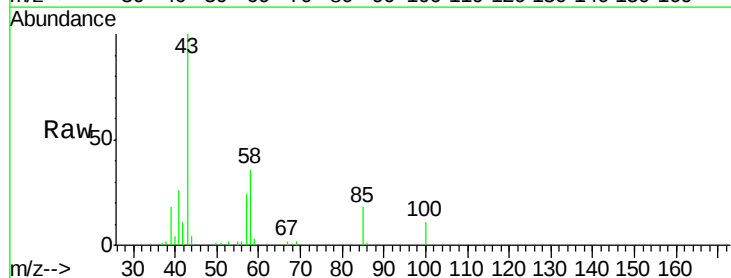
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

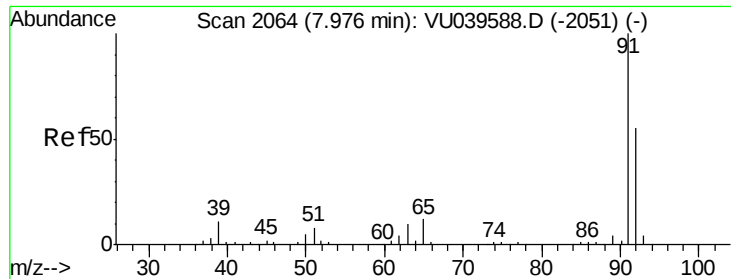
Tgt Ion: 75 Resp: 4349
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 3.515 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion: 43 Resp: 25278
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.2 43.8
 100 12.8 10.5 15.7





#42

Toluene

Concen: 0.362 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

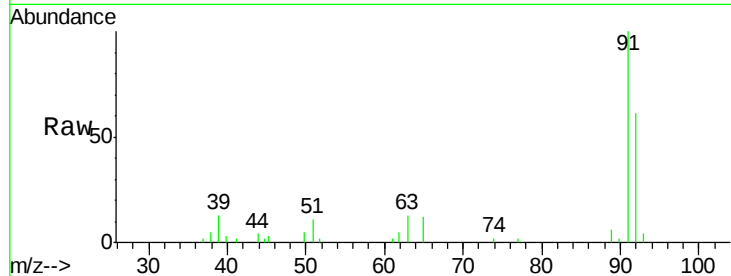
VSTD0.506

Tgt Ion: 91 Resp: 12384

Ion Ratio Lower Upper

91 100

92 61.4 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2051) (-)

Ion 92.15 (91.85 to 92.85): VU039588.D (-2051) (-)

7.98

8000

6000

4000

2000

0

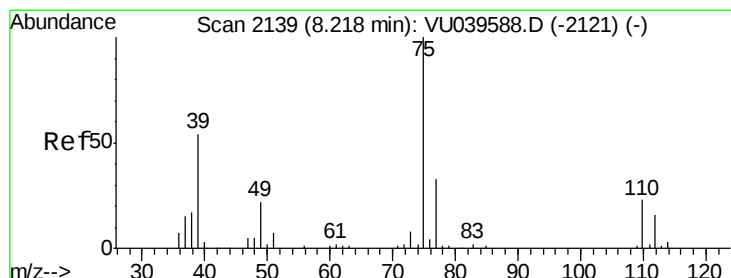
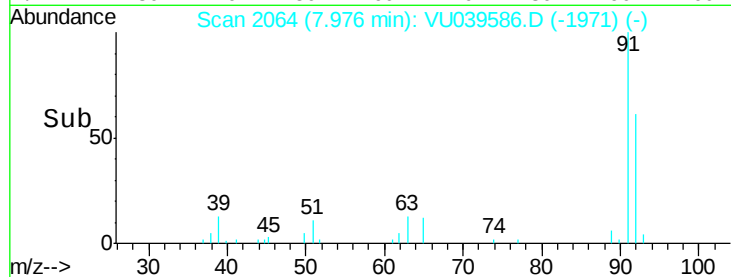
Time-->

7.90

7.95

8.00

8.05



#44

trans-1,3-Dichloropropene

Concen: 0.345 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039586.D

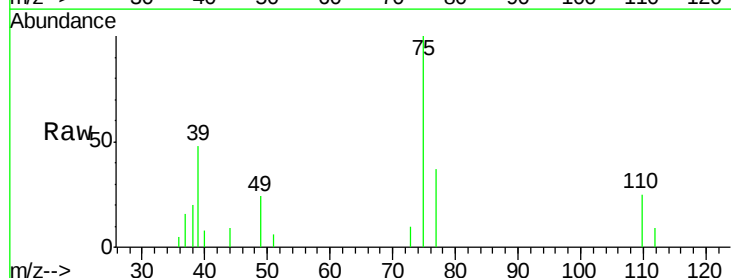
Acq: 21 Jul 2020 09:22

Tgt Ion: 75 Resp: 4002

Ion Ratio Lower Upper

75 100

77 37.1 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU039588.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039588.D (-2121) (-)

8.22

2500

2000

1500

1000

500

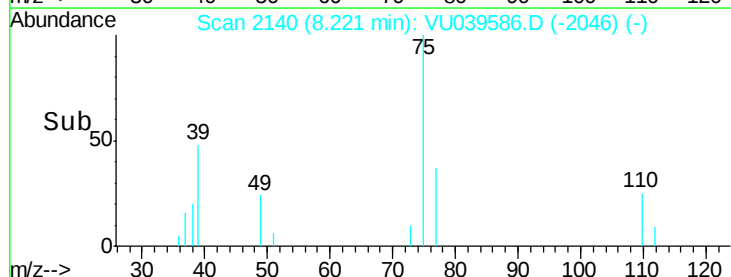
0

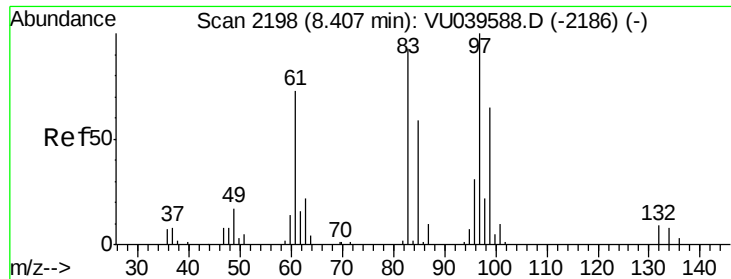
Time-->

8.15

8.20

8.25

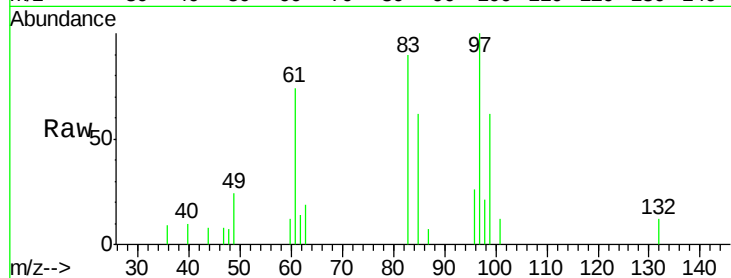




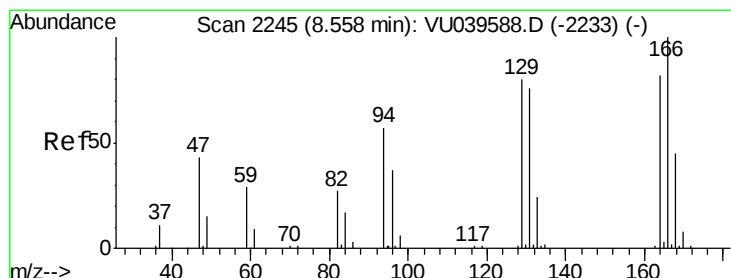
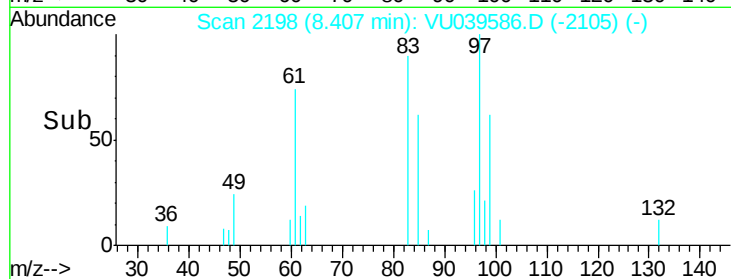
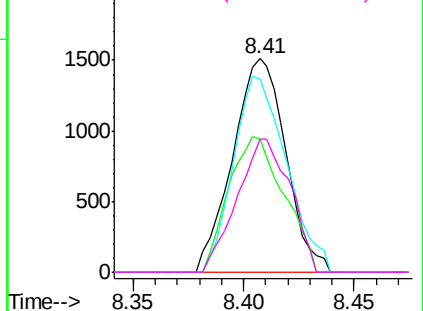
#45
 1,1,2-Trichloroethane
 Concen: 0.403 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:	97	Resp:	2523
Ion	Ratio	Lower	Upper
97	100		
99	62.4	45.2	84.0
83	90.4	64.9	120.5
85	62.1	41.4	77.0

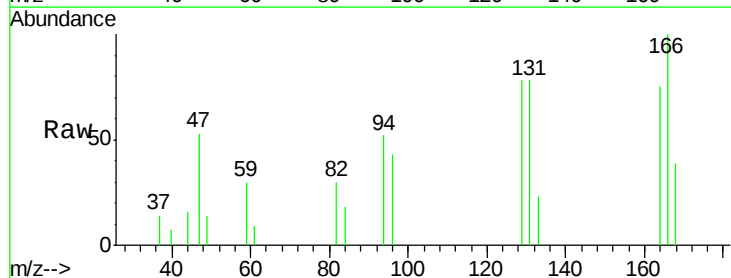


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

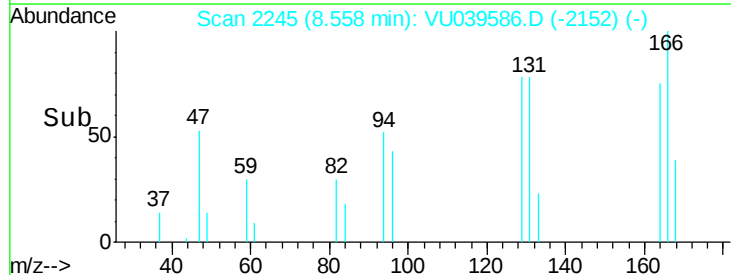
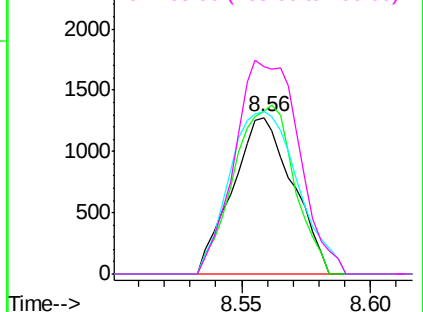


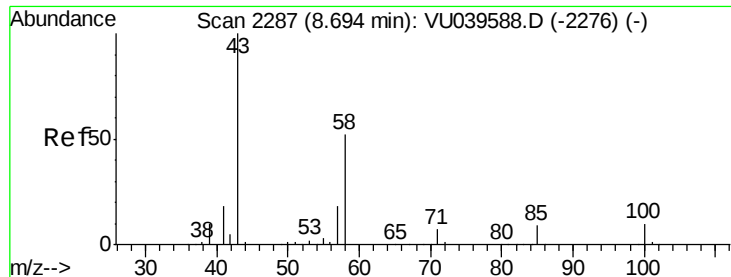
#47
 Tetrachloroethene
 Concen: 0.360 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion:	164	Resp:	2081
Ion	Ratio	Lower	Upper
164	100		
129	103.8	67.9	126.1
131	103.5	64.7	120.1
166	132.5	85.1	158.1



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

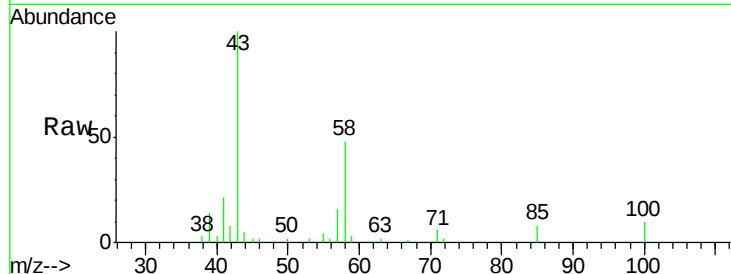




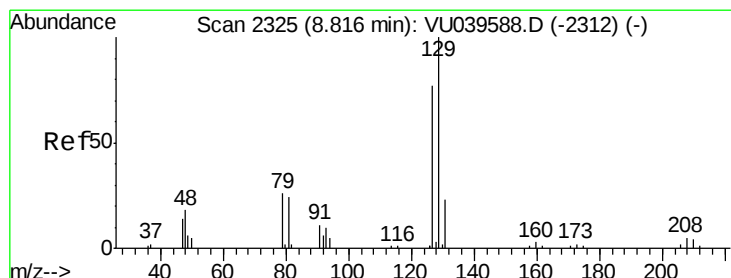
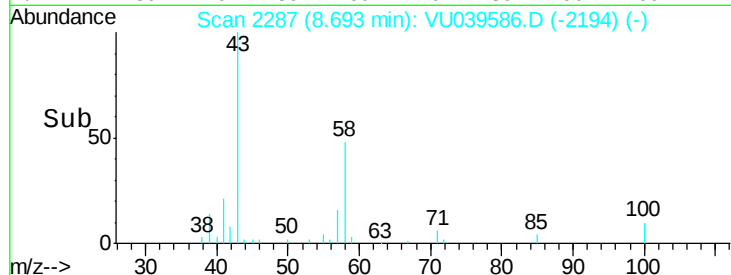
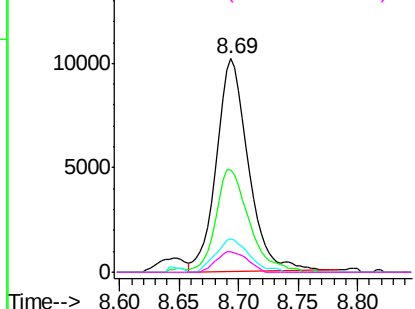
#48
2-Hexanone
Concen: 3.564 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:	43	Resp:	18848
Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.9	61.3
57	16.5	14.6	21.8
100	9.5	7.9	11.9

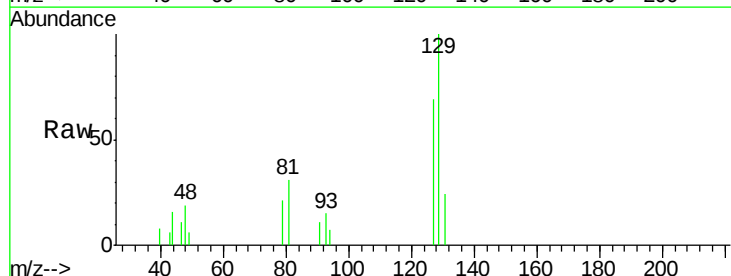


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

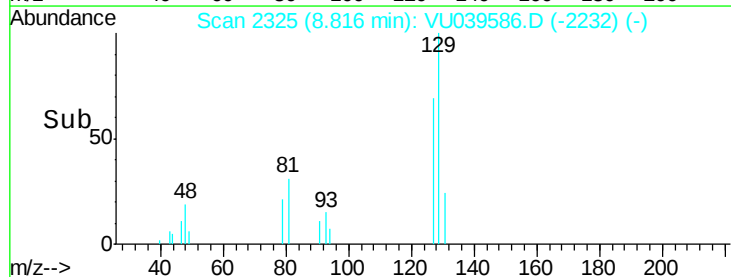
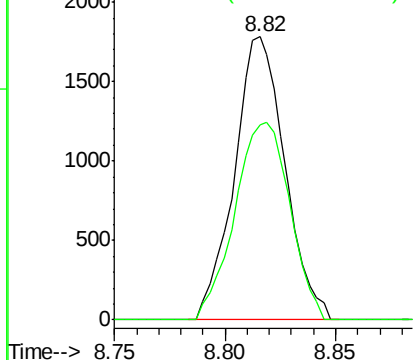


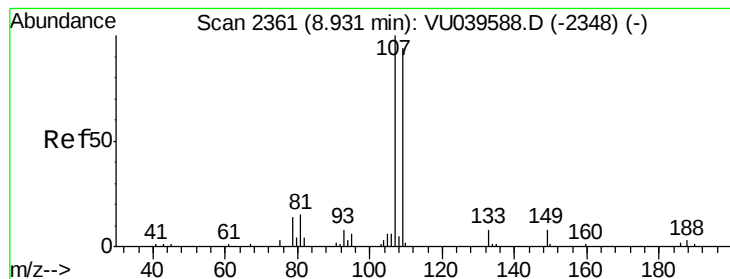
#49
Dibromochloromethane
Concen: 0.373 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion:	129	Resp:	2846
Ion	Ratio	Lower	Upper
129	100		
127	68.7	53.8	99.8



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

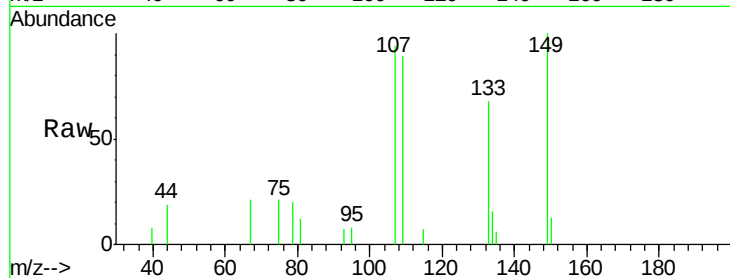




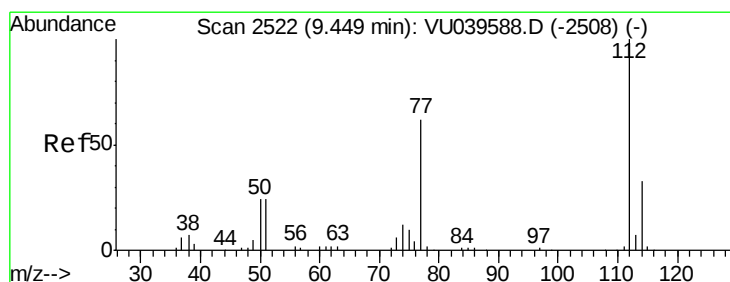
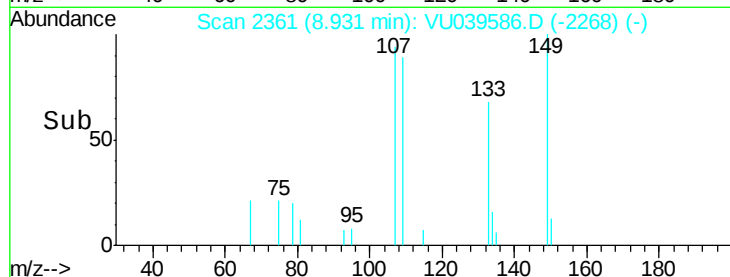
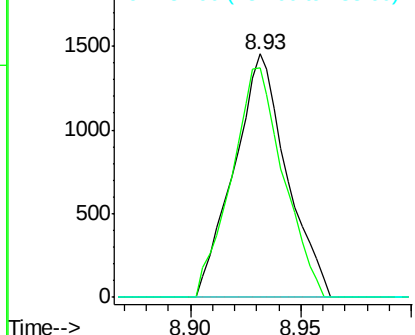
#50
1,2-Dibromoethane
Concen: 0.380 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:107 Resp: 2411
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 0.0 2.4 3.6#

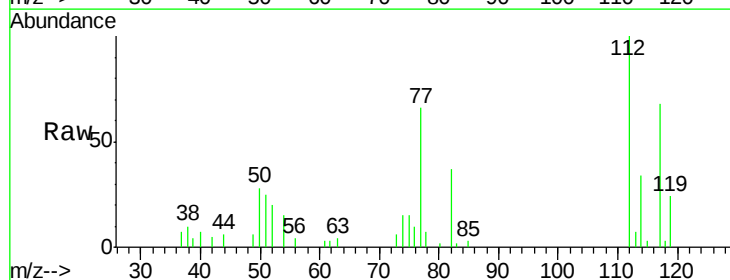


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

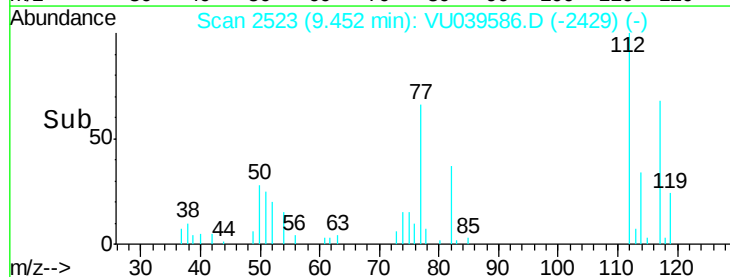
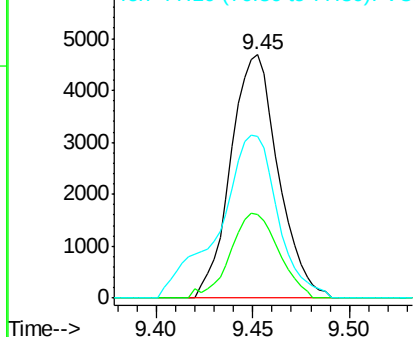


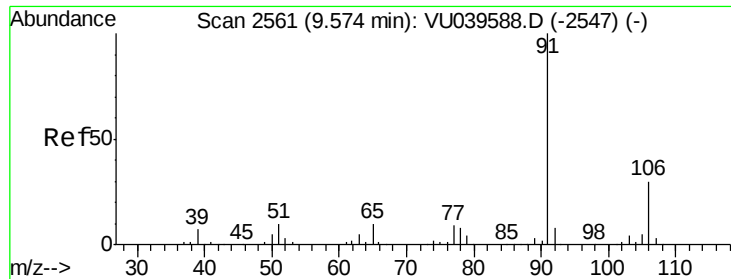
#51
Chlorobenzene
Concen: 0.380 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion:112 Resp: 7997
Ion Ratio Lower Upper
112 100
114 34.5 22.9 42.5
77 66.2 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.368 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

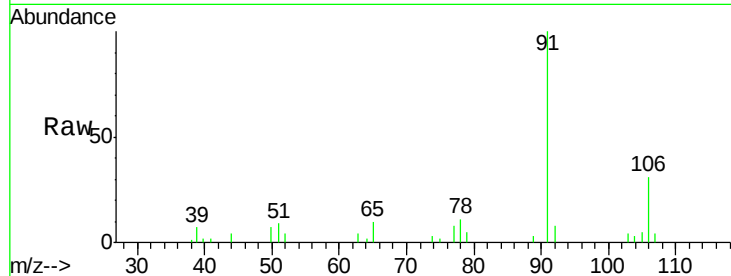
VSTD0.506

Tgt Ion: 91 Resp: 13994

Ion Ratio Lower Upper

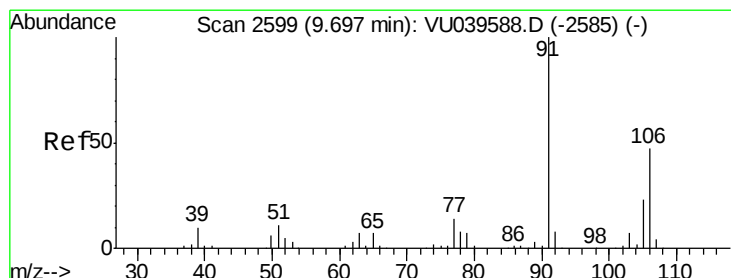
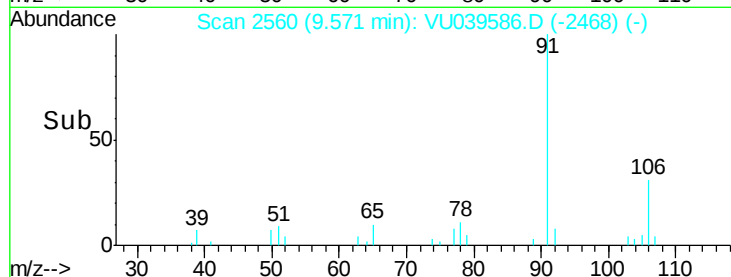
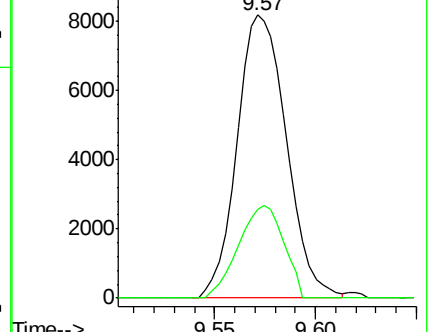
91 100

106 31.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039586.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039586.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.369 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039586.D

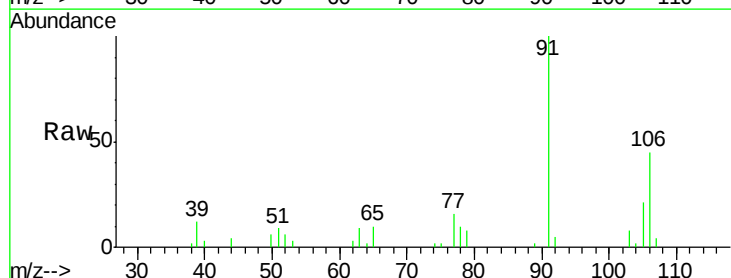
Acq: 21 Jul 2020 09:22

Tgt Ion: 106 Resp: 5296

Ion Ratio Lower Upper

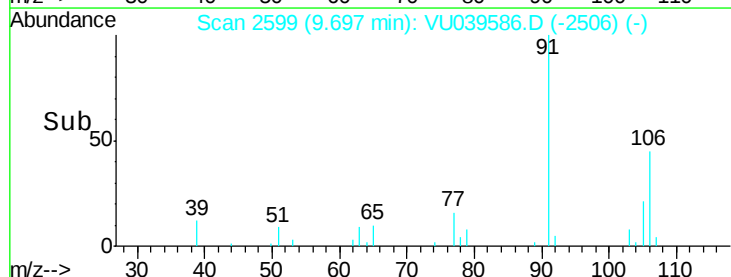
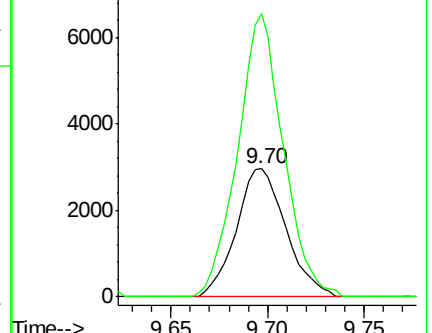
106 100

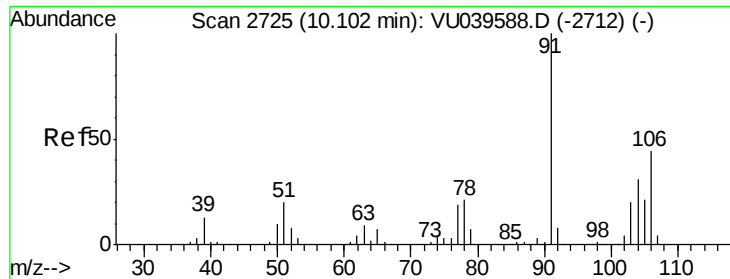
91 221.1 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039586.D (-2599) (-)

Ion 91.15 (90.85 to 91.85): VU039586.D (-2599) (-)

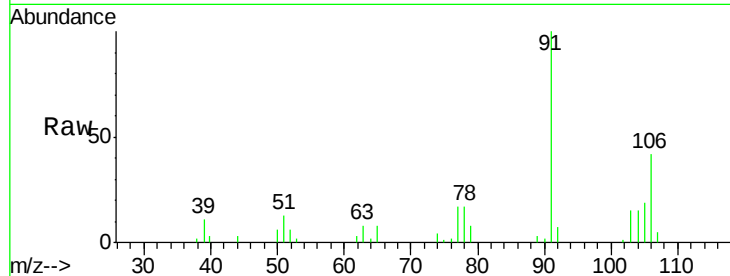




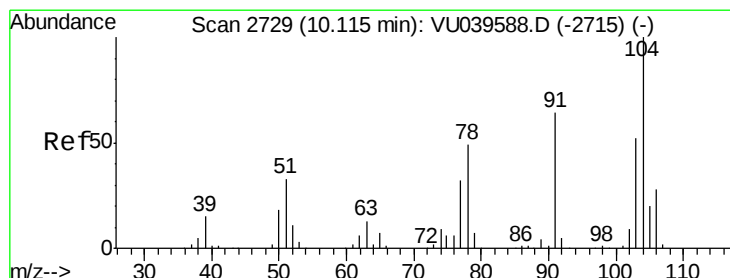
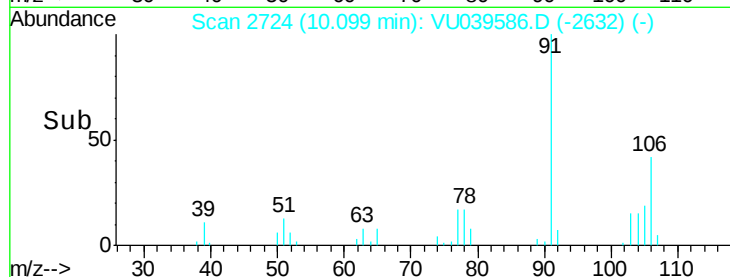
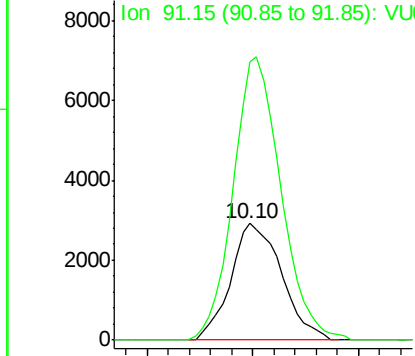
#54
o-Xylene
Concen: 0.349 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tgt Ion:106 Resp: 4890
Ion Ratio Lower Upper
106 100
91 239.0 157.4 292.4

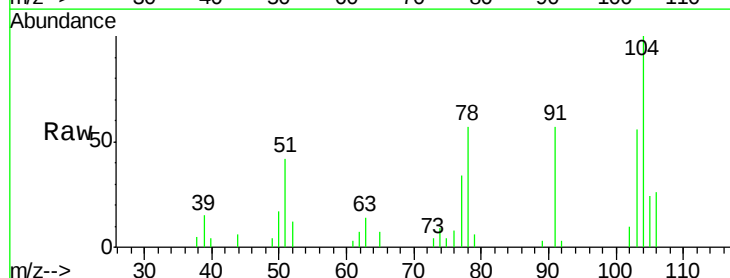


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

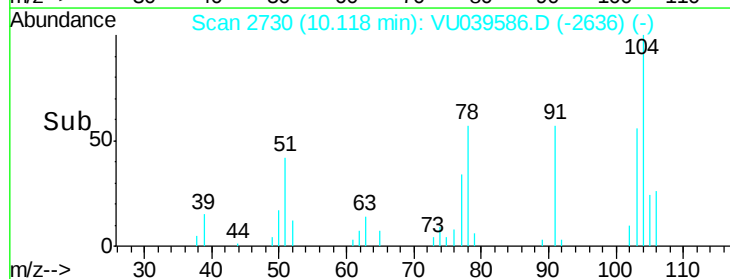
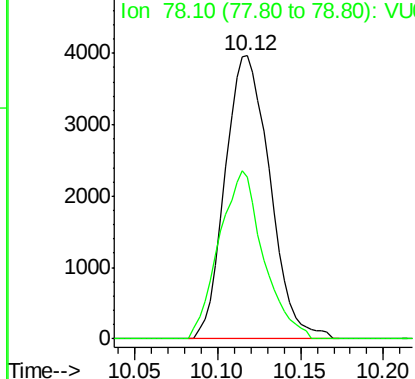


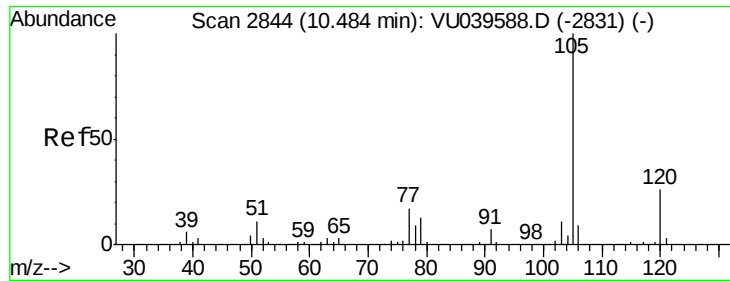
#55
Styrene
Concen: 0.305 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039586.D
Acq: 21 Jul 2020 09:22

Tgt Ion:104 Resp: 7443
Ion Ratio Lower Upper
104 100
78 57.0 34.4 64.0



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





#56

Isopropylbenzene

Concen: 0.364 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

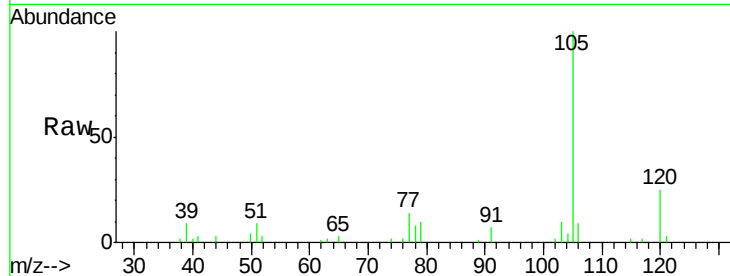
Tgt Ion: 105 Resp: 13809

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

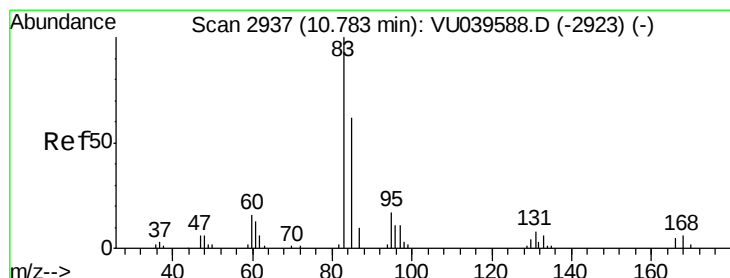
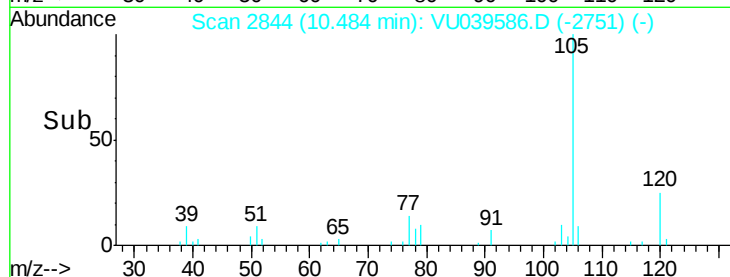
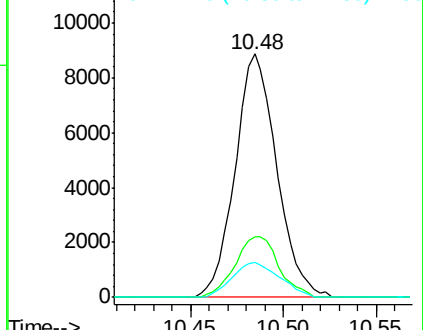
77 16.2 13.6 20.4



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: 0.343 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

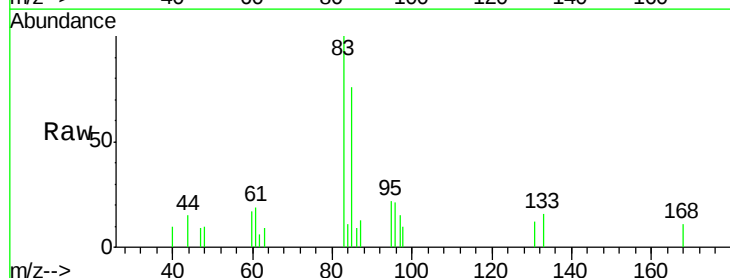
Tgt Ion: 83 Resp: 2996

Ion Ratio Lower Upper

83 100

85 76.3 43.5 80.9

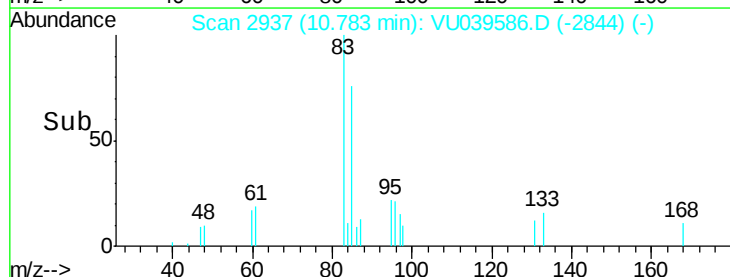
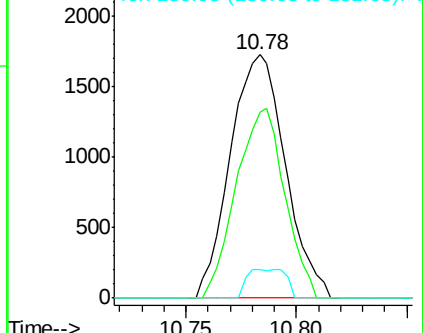
131 12.0 7.4 11.0#

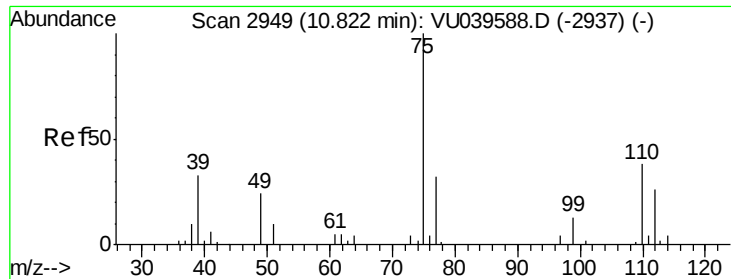


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.373 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

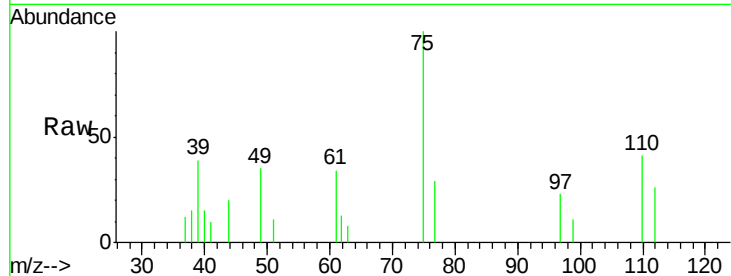
VSTD0.506

Tgt Ion: 75 Resp: 2412

Ion Ratio Lower Upper

75 100

77 28.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039588.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039588.D (-2937) (-)

10.83

1500

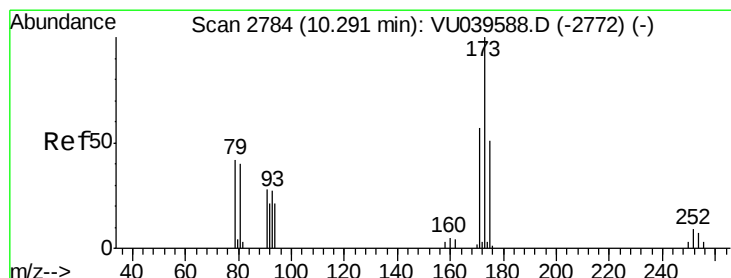
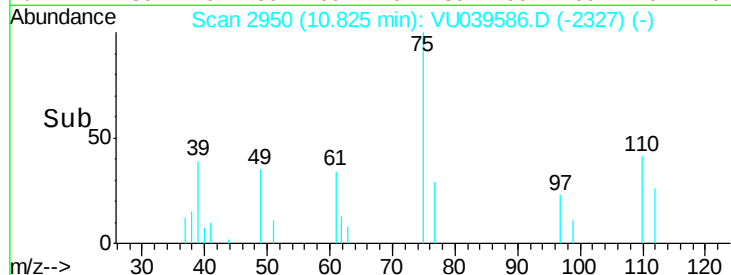
1000

500

0

10.80 10.85

Time-->



#61

Bromoform

Concen: 0.381 ug/L

RT: 10.30 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

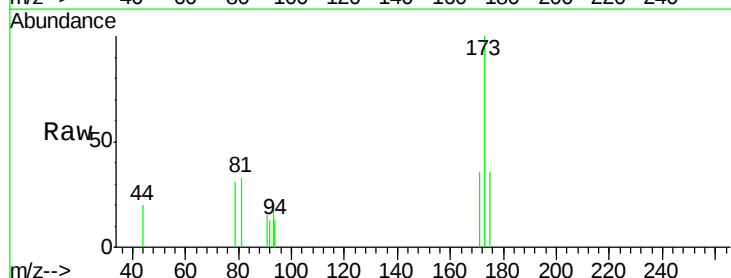
Tgt Ion: 173 Resp: 1567

Ion Ratio Lower Upper

173 100

175 43.8 39.9 59.9

254 0.0 6.5 9.7#



Abundance Ion 172.90 (172.60 to 173.60): VU039588.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039588.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039588.D (-2772) (-)

10.30

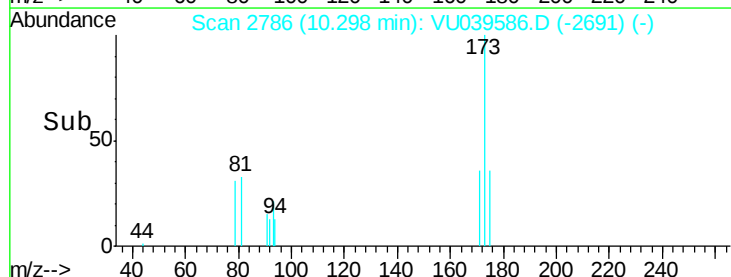
1000

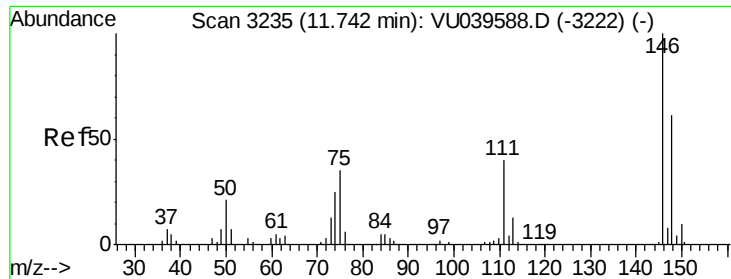
500

0

10.25 10.30

Time-->

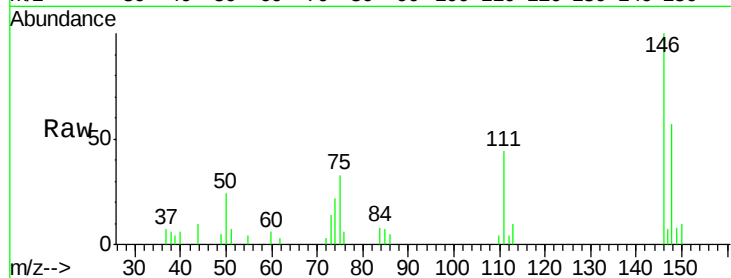




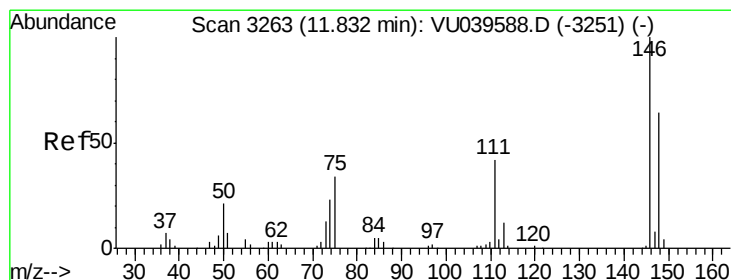
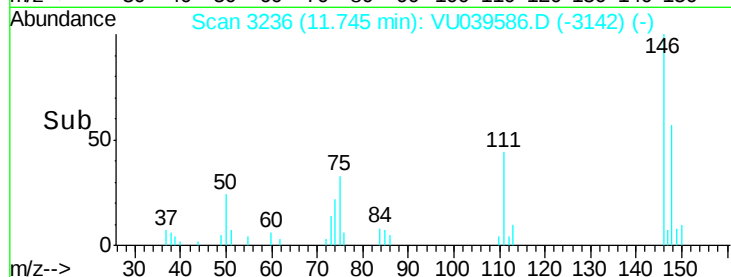
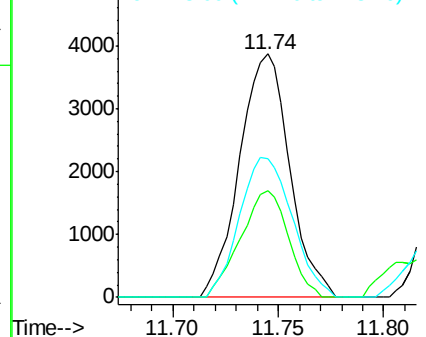
#62
 1,3-Dichlorobenzene
 Concen: 0.414 ug/L
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tgt Ion:146 Resp: 6377
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.9 51.9
 148 57.2 43.0 80.0

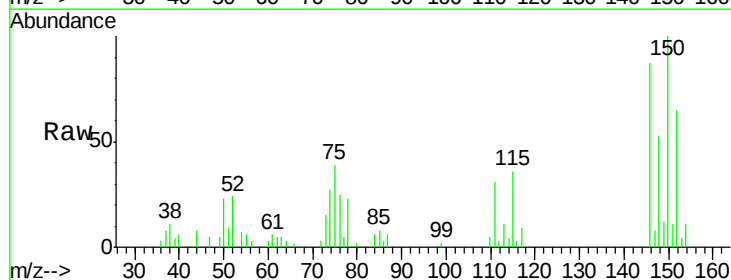


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

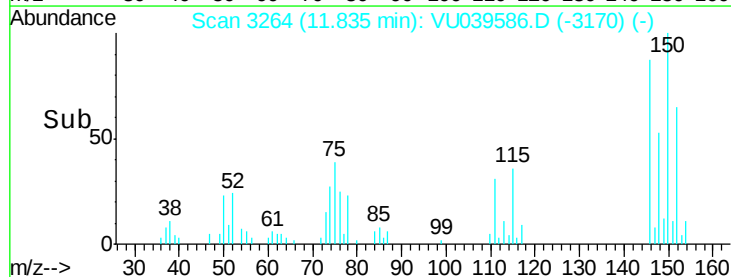
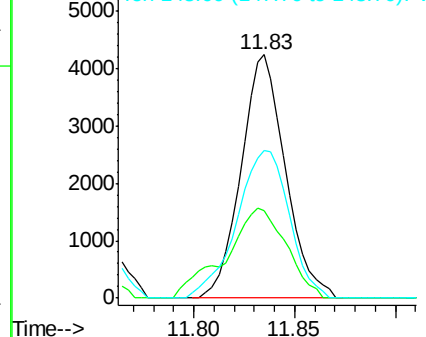


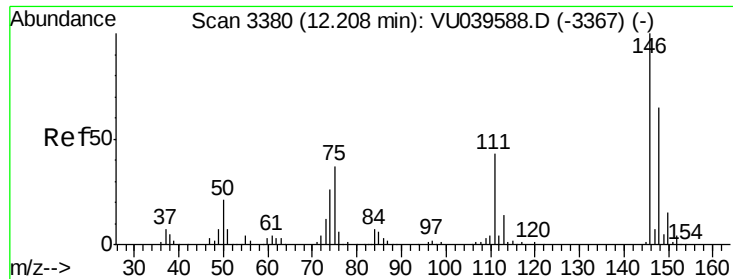
#63
 1,4-Dichlorobenzene
 Concen: 0.421 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion:146 Resp: 6518
 Ion Ratio Lower Upper
 146 100
 111 39.1 29.9 55.5
 148 60.8 44.8 83.2



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: 0.388 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

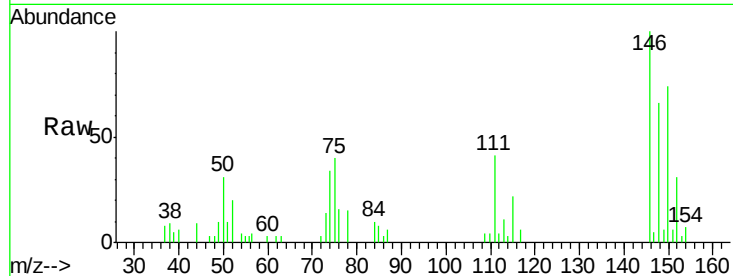
Tgt Ion:146 Resp: 5985

Ion Ratio Lower Upper

146 100

111 41.5 34.3 51.5

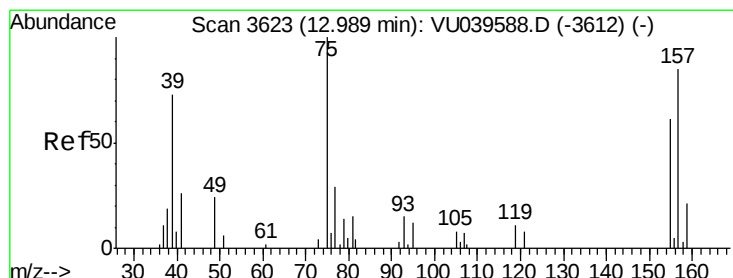
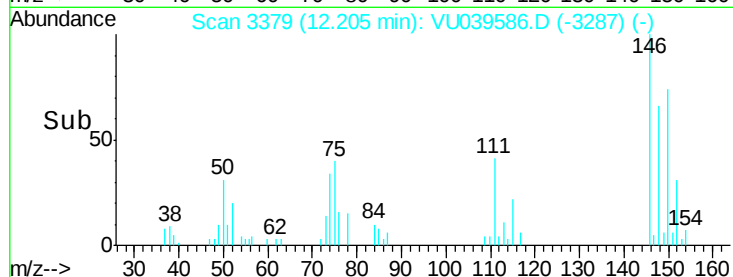
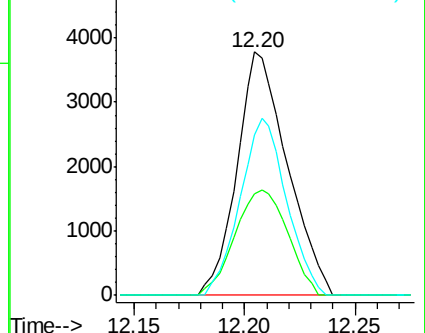
148 66.0 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.164 ug/L

RT: 13.00 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

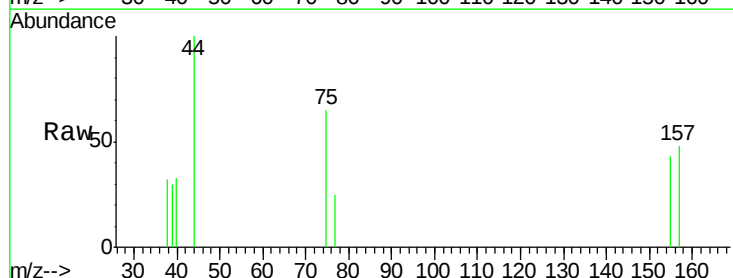
Tgt Ion: 75 Resp: 221

Ion Ratio Lower Upper

75 100

155 65.8 48.4 72.6

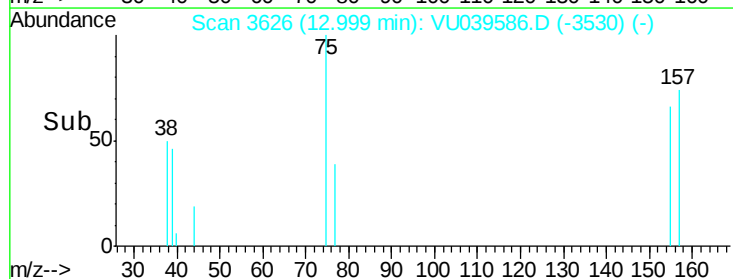
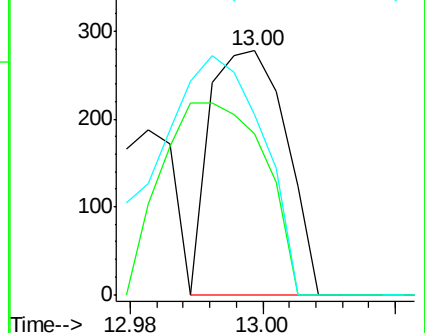
157 73.7 68.2 102.2

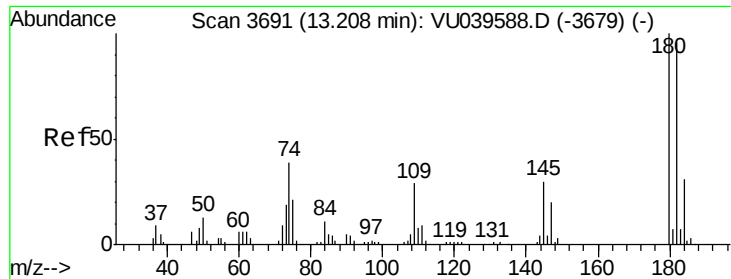


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

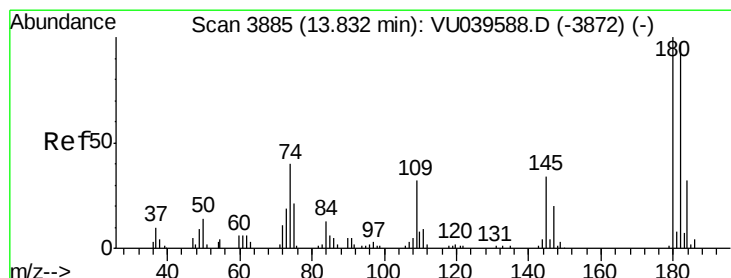
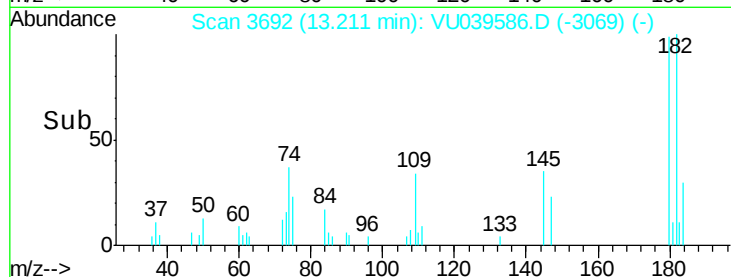
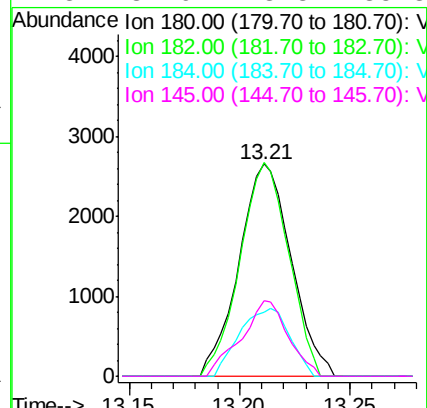
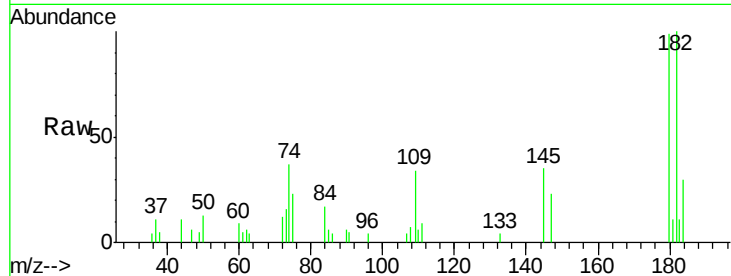




#67
 1,3,5-Trichlorobenzene
 Concen: 0.378 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

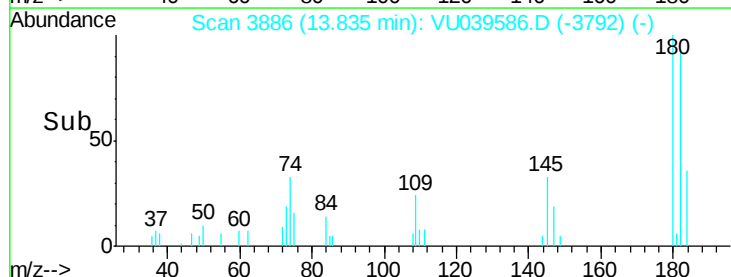
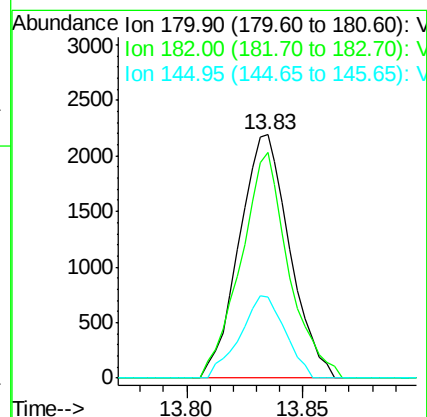
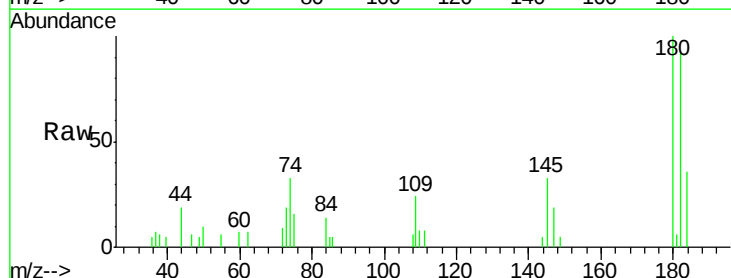
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

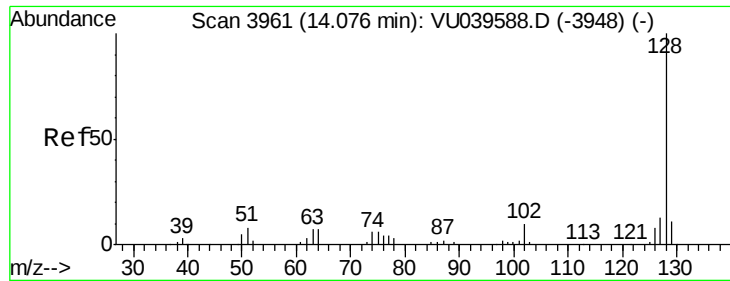
Tgt Ion:180 Resp: 4360
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.5 114.7
 184 30.8 24.8 37.2
 145 31.9 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.339 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039586.D
 Acq: 21 Jul 2020 09:22

Tgt Ion:180 Resp: 3306
 Ion Ratio Lower Upper
 180 100
 182 87.9 78.8 118.2
 145 30.2 26.7 40.1





#69

Naphthalene

Concen: 0.242 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

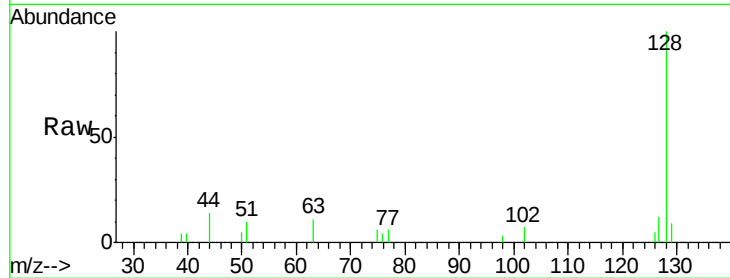
Tgt Ion:128 Resp: 4655

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

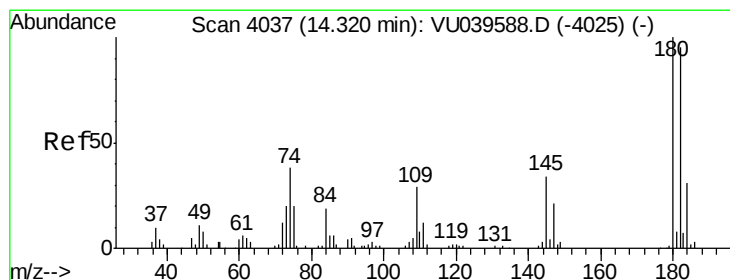
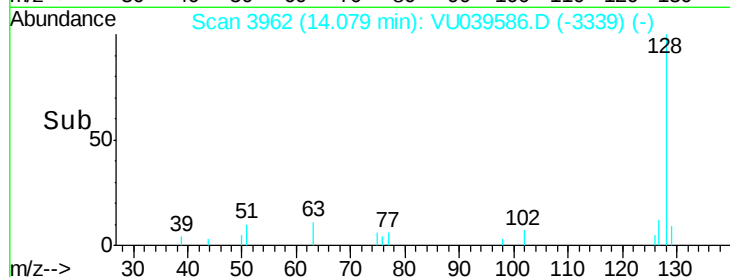
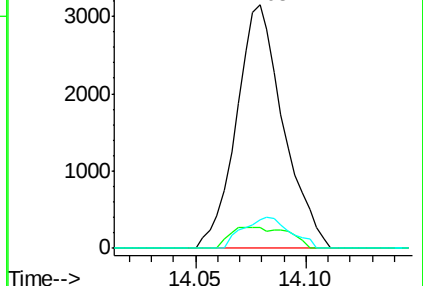
127 12.9 10.6 16.0



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: 0.296 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039586.D

Acq: 21 Jul 2020 09:22

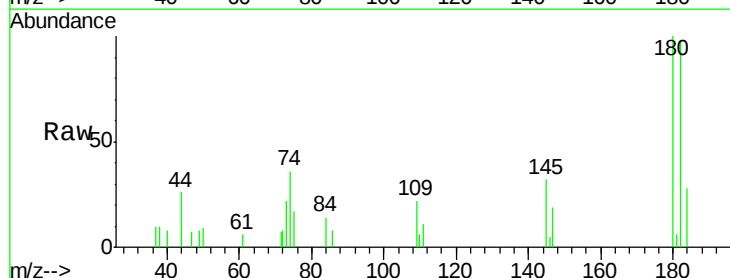
Tgt Ion:180 Resp: 2657

Ion Ratio Lower Upper

180 100

182 102.5 78.0 117.0

145 38.5 28.4 42.6



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

