

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039588.D
 Acq On : 21 Jul 2020 10:07
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Quant Time: Jul 21 11:02:16 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	6.27	114	123359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59487	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26995	4.09	ug/L	0.00
7) Chloroethane-d5	1.93	69	31262	4.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	62423	4.62	ug/L	0.00
20) 2-Butanone-d5	4.66	46	124339	40.82	ug/L	0.00
24) Chloroform-d	5.08	84	71909	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	45762	4.91	ug/L	0.00
32) Benzene-d6	5.75	84	135856	4.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	45245	4.58	ug/L	0.00
41) Toluene-d8	7.91	98	129518	5.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	19814	4.53	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	98147	39.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44037	4.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	50748	4.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	32536	4.535 ug/L	100
3) Chloromethane	1.53	50	34038	3.974 ug/L	100
5) Vinyl chloride	1.61	62	36256	3.833 ug/L	100
6) Bromomethane	1.87	94	23851	5.382 ug/L	100
8) Chloroethane	1.94	64	29735	4.227 ug/L	100
9) Trichlorofluoromethane	2.15	101	78029	4.556 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	33278	4.749 ug/L	100
12) 1,1-Dichloroethene	2.59	96	30087	4.280 ug/L	100
13) Acetone	2.66	43	73302	42.654 ug/L	100
14) Carbon disulfide	2.81	76	91800	3.775 ug/L	100
15) Methyl Acetate	2.97	43	18540	4.125 ug/L	100
16) Methylene chloride	3.06	84	38494	4.290 ug/L	100
17) Methyl tert-butyl Ether	3.39	73	97131	4.318 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	33524	4.276 ug/L	100
19) 1,1-Dichloroethane	3.89	63	71196	4.541 ug/L	100
21) 2-Butanone	4.74	43	129877	42.616 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	40104	4.500 ug/L	100
23) Bromochloromethane	5.00	128	17831	4.412 ug/L	100
25) Chloroform	5.11	83	77851	4.873 ug/L	100
27) 1,2-Dichloroethane	5.81	62	54563	4.753 ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	65555	4.635 ug/L	100
30) Cyclohexane	5.41	56	57313	4.002 ug/L	100
31) Carbon tetrachloride	5.54	117	55755	4.636 ug/L	100
33) Benzene	5.79	78	150783	4.272 ug/L	100
34) Trichloroethene	6.56	95	40318	4.403 ug/L	100
35) Methylcyclohexane	6.78	83	61016	4.232 ug/L	100
37) 1,2-Dichloropropane	6.80	63	42166	4.378 ug/L	100
38) Bromodichloromethane	7.12	83	54810	4.430 ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	59593	4.109 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	320836	40.228 ug/L	100

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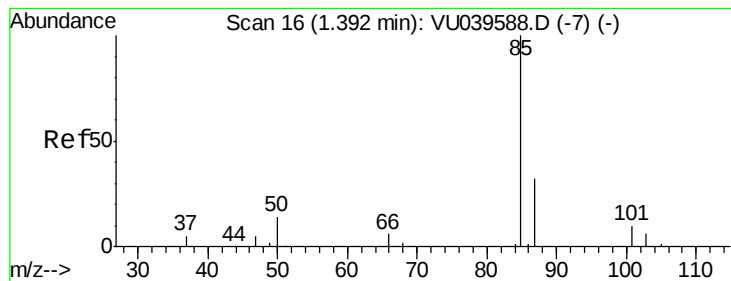
Instrument :
 MSVOA_U
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Quant Time: Jul 21 11:02:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	166498	4.387	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	54064	4.203	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	30458	4.390	ug/L	100
47) Tetrachloroethene	8.56	164	29181	4.547	ug/L	100
48) 2-Hexanone	8.69	43	232292	39.608	ug/L	100
49) Dibromochloromethane	8.82	129	37600	4.438	ug/L	100
50) 1,2-Dibromoethane	8.93	107	29966	4.263	ug/L	100
51) Chlorobenzene	9.45	112	104900	4.490	ug/L	100
52) Ethylbenzene	9.57	91	187722	4.455	ug/L	100
53) m,p-Xylene	9.70	106	70603	4.441	ug/L	100
54) o-Xylene	10.10	106	68656	4.424	ug/L	100
55) Styrene	10.11	104	118550	4.387	ug/L	100
56) Isopropylbenzene	10.48	105	188705	4.491	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	41701	4.307	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	30489	4.254	ug/L	100
61) Bromoform	10.29	173	21265	4.357	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	82762	4.534	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	82119	4.474	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	79809	4.369	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	7237	4.535	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	61243	4.486	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	49123	4.251	ug/L	100
69) Naphthalene	14.08	128	83095	3.647	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	43990	4.141	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.535 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

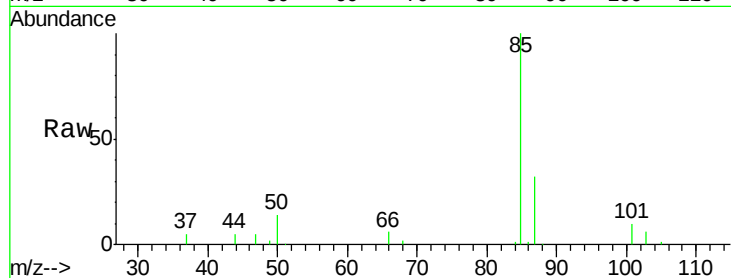
VSTD00502

Tgt Ion: 85 Resp: 32536

Ion Ratio Lower Upper

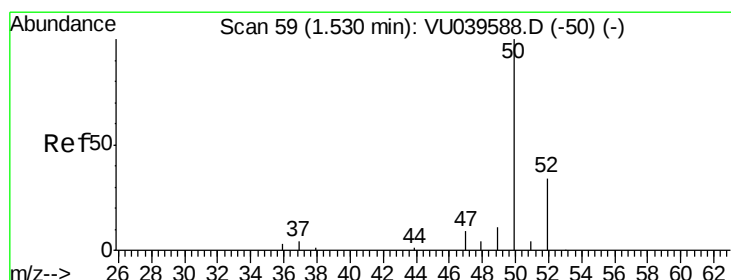
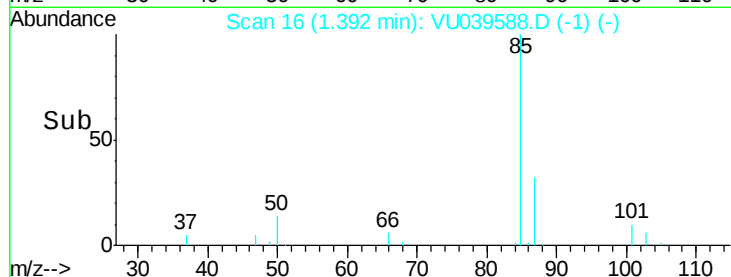
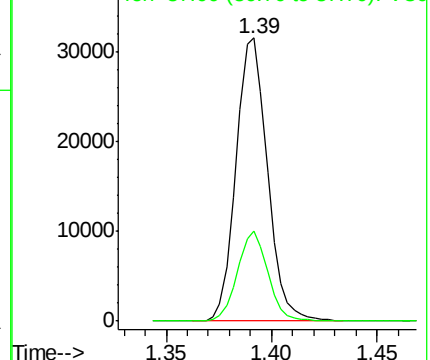
85 100

87 30.6 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 3.974 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039588.D

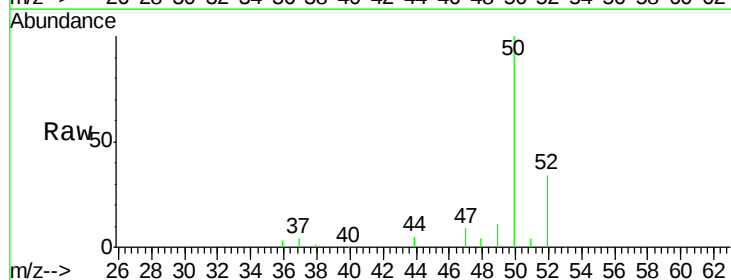
Acq: 21 Jul 2020 10:07

Tgt Ion: 50 Resp: 34038

Ion Ratio Lower Upper

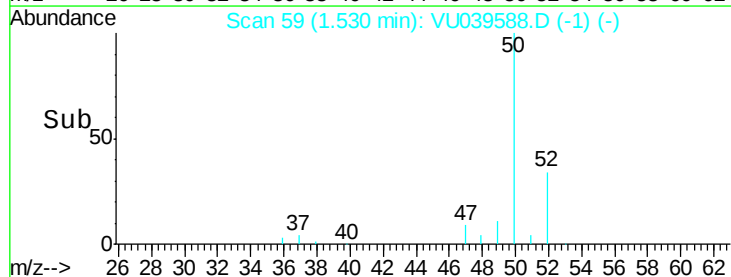
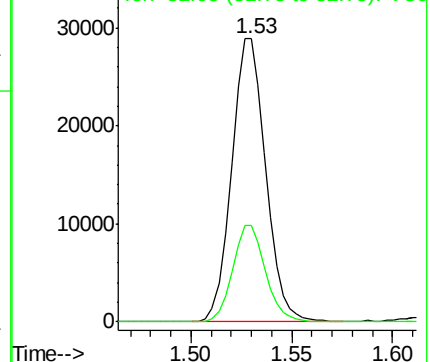
50 100

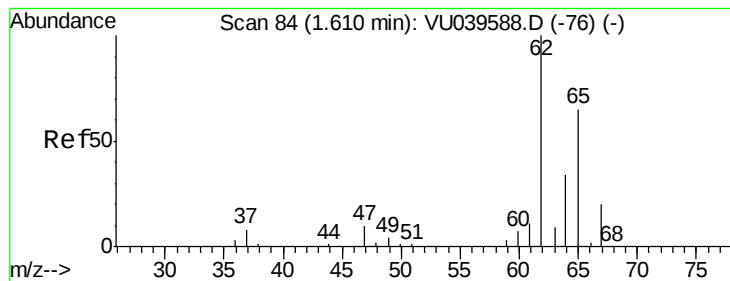
52 34.2 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 3.833 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

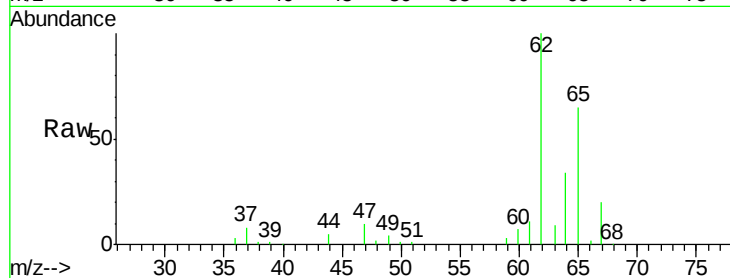
VSTD00502

Tgt Ion: 62 Resp: 36256

Ion Ratio Lower Upper

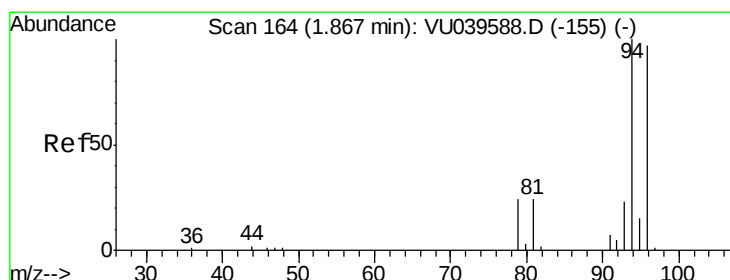
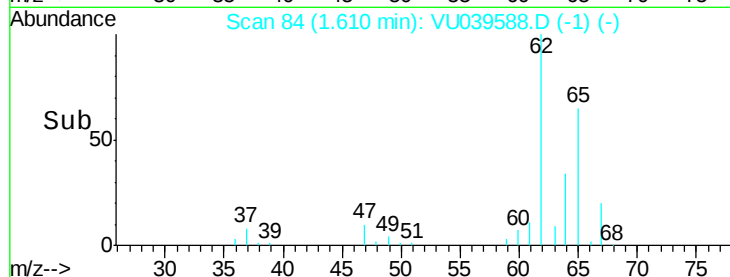
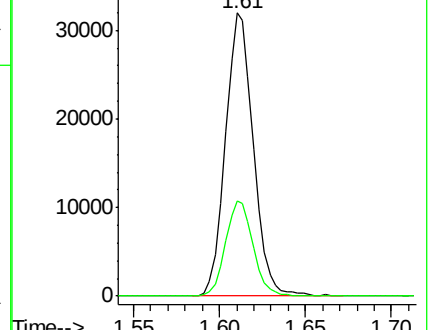
62 100

64 33.5 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) (-)



#6

Bromomethane

Concen: 5.382 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039588.D

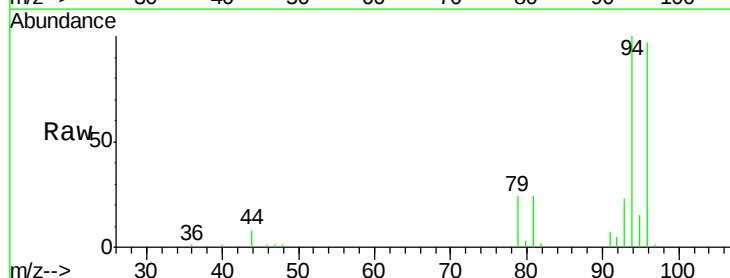
Acq: 21 Jul 2020 10:07

Tgt Ion: 94 Resp: 23851

Ion Ratio Lower Upper

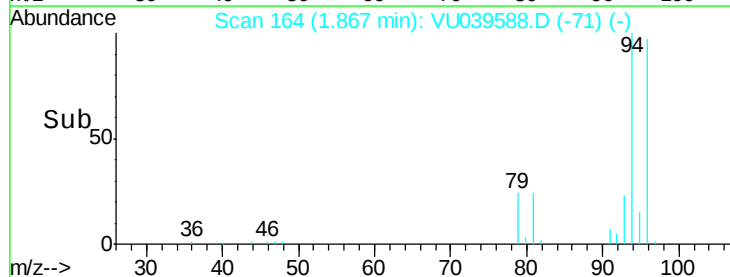
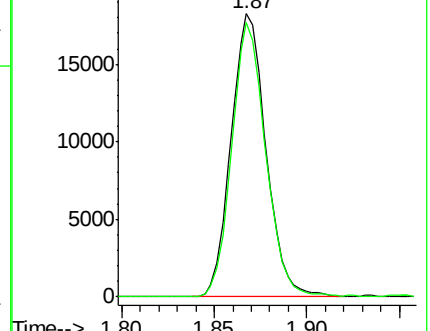
94 100

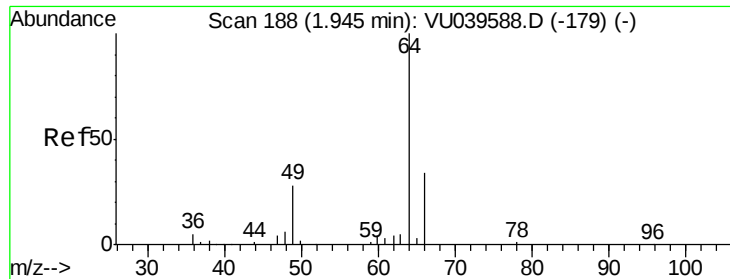
96 97.1 68.0 126.2



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

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





#8

Chloroethane

Concen: 4.227 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

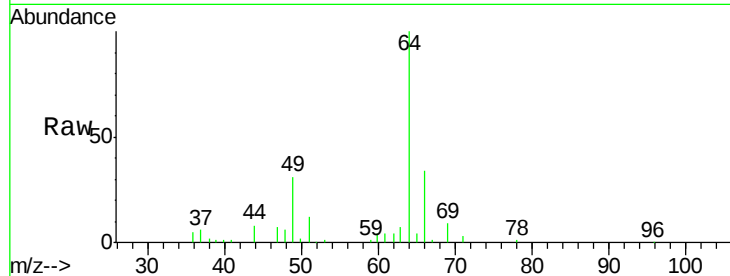
VSTD00502

Tgt Ion: 64 Resp: 29735

Ion Ratio Lower Upper

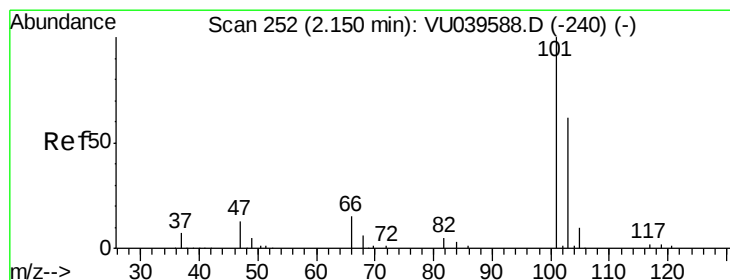
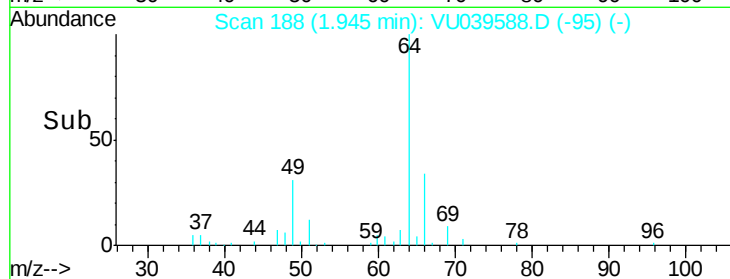
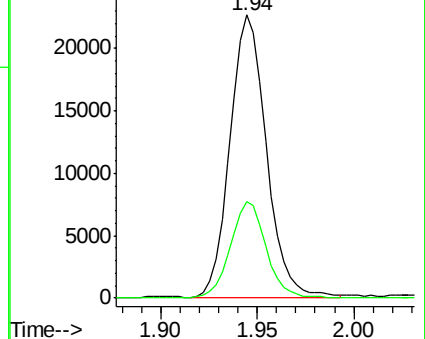
64 100

66 34.3 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: 4.556 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039588.D

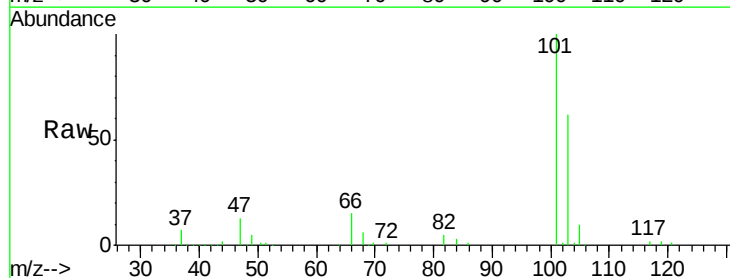
Acq: 21 Jul 2020 10:07

Tgt Ion: 101 Resp: 78029

Ion Ratio Lower Upper

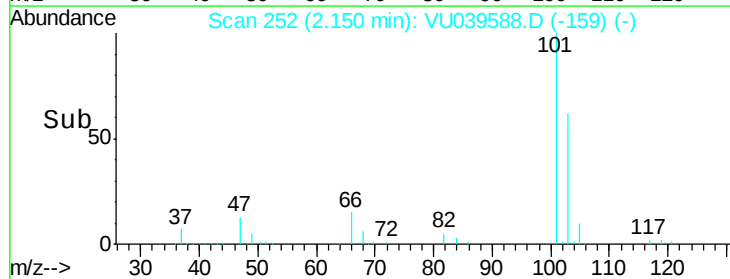
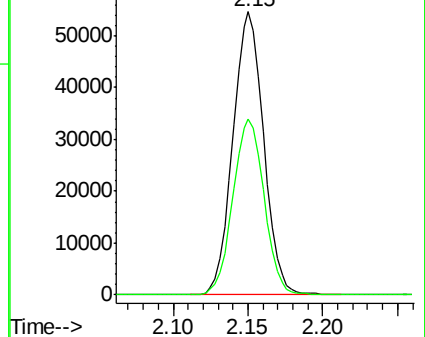
101 100

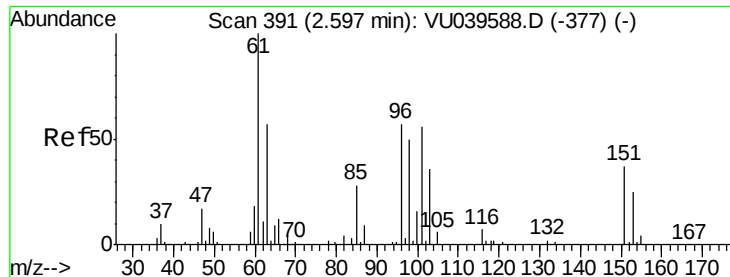
103 63.2 50.6 75.8



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: 4.749 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

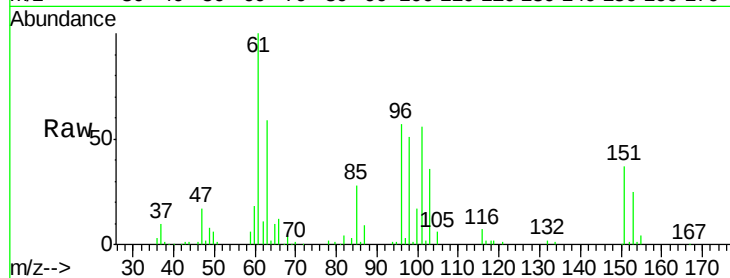
Tgt Ion:101 Resp: 33278

Ion Ratio Lower Upper

101 100

85 48.4 38.7 58.1

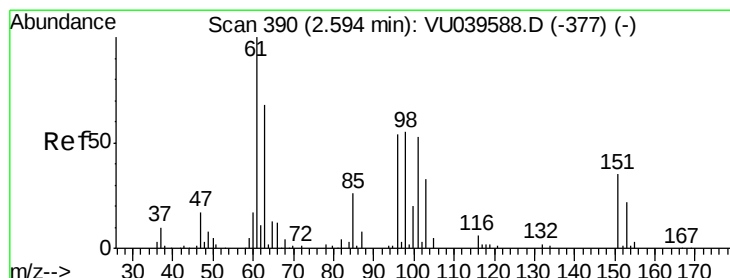
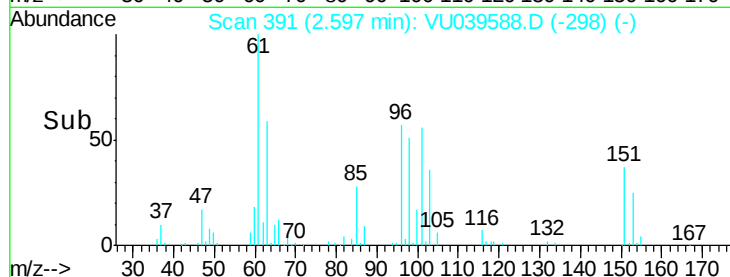
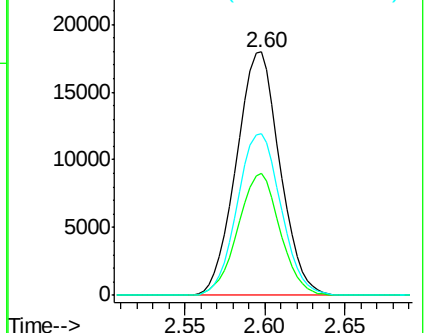
151 66.8 53.4 80.2



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: 4.280 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

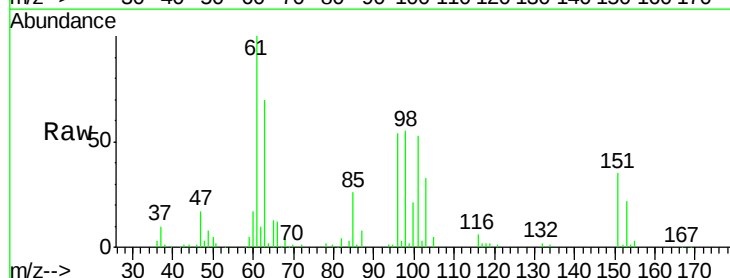
Tgt Ion: 96 Resp: 30087

Ion Ratio Lower Upper

96 100

61 184.4 129.1 239.7

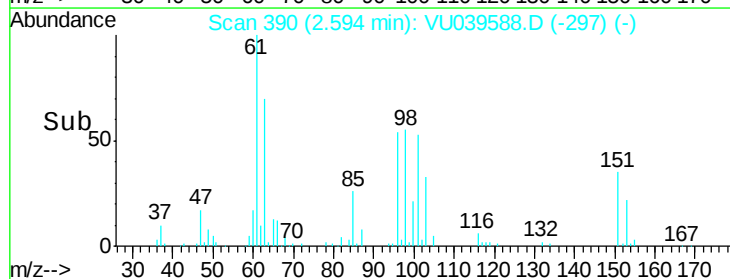
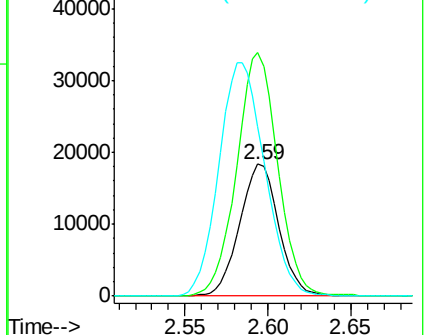
63 128.2 89.7 166.7

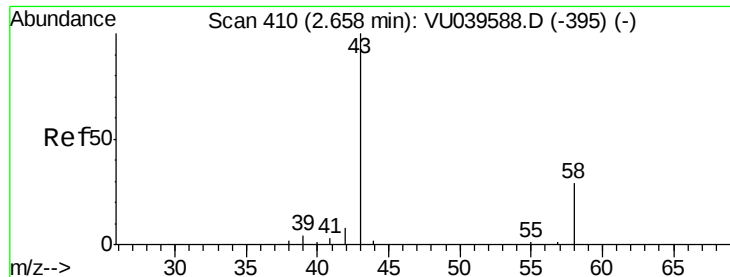


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.654 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

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ClientSampleId :

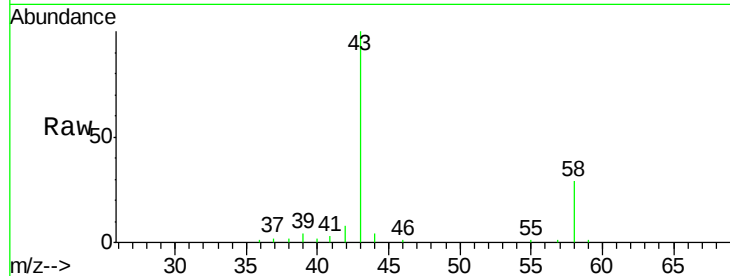
VSTD00502

Tgt Ion: 43 Resp: 73302

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039588.D (-395) (-)

2.66

25000

20000

15000

10000

5000

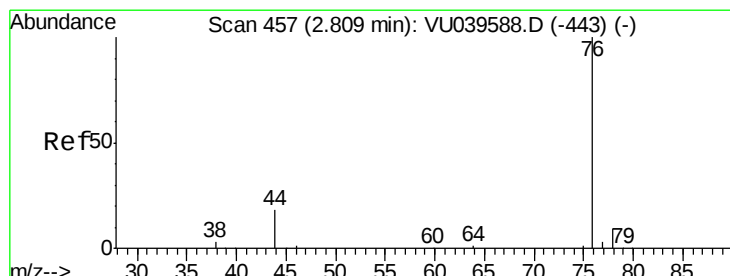
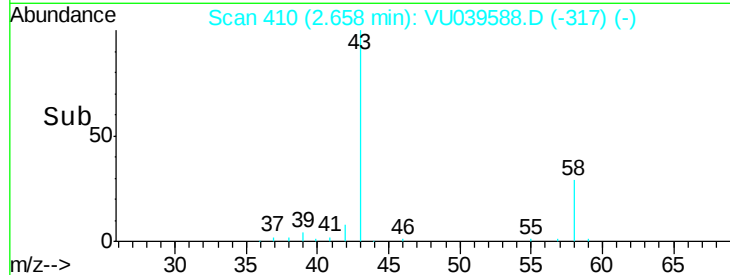
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Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 3.775 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039588.D

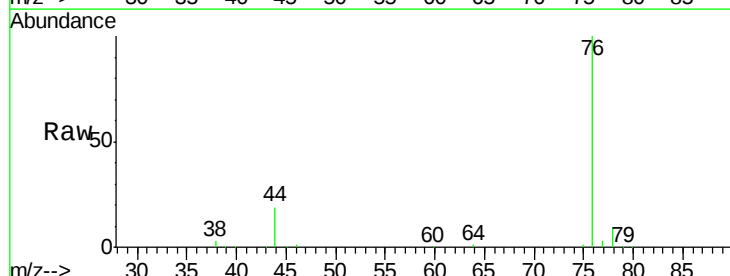
Acq: 21 Jul 2020 10:07

Tgt Ion: 76 Resp: 91800

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU039588.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039588.D (-443) (-)

2.81

60000

50000

40000

30000

20000

10000

0

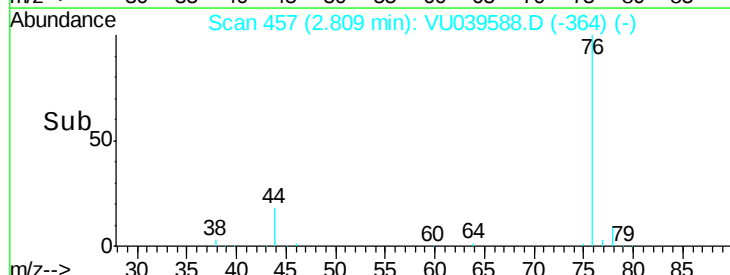
Time-->

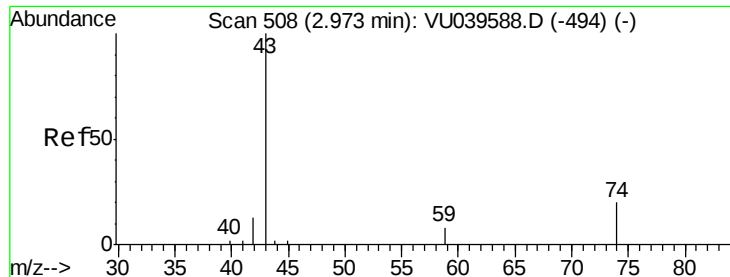
2.75

2.80

2.85

2.90





#15

Methyl Acetate

Concen: 4.125 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

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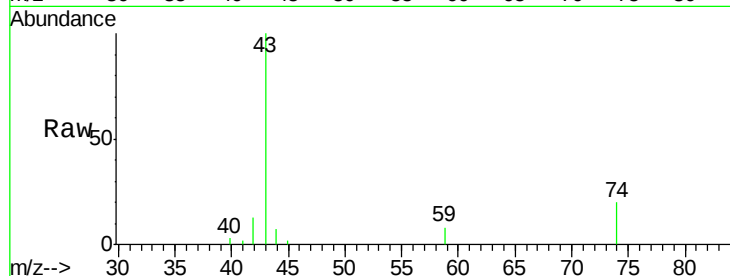
VSTD00502

Tgt Ion: 43 Resp: 18540

Ion Ratio Lower Upper

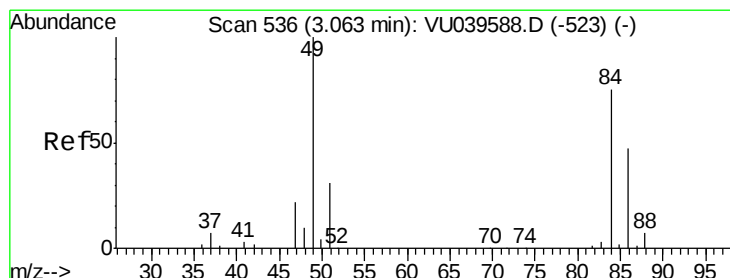
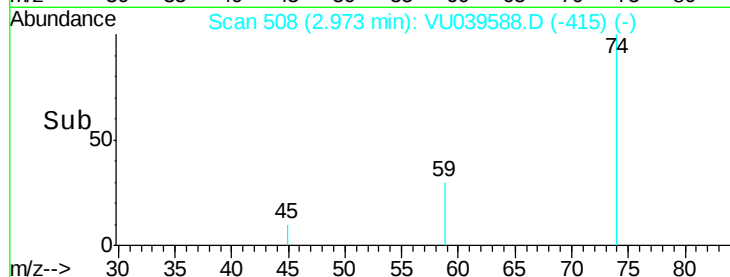
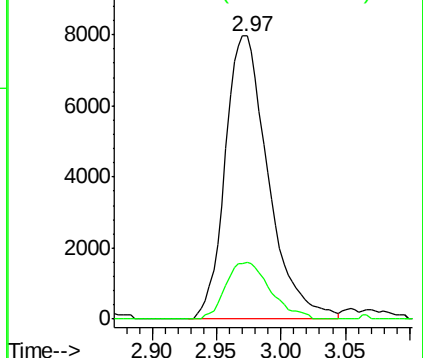
43 100

74 20.7 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU039588.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039588.D (-494) (-)



#16

Methylene chloride

Concen: 4.290 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

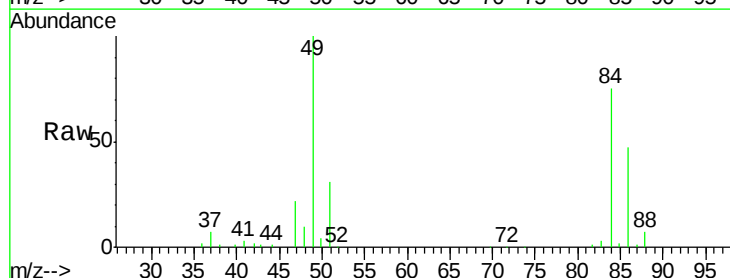
Tgt Ion: 84 Resp: 38494

Ion Ratio Lower Upper

84 100

86 62.6 43.8 81.4

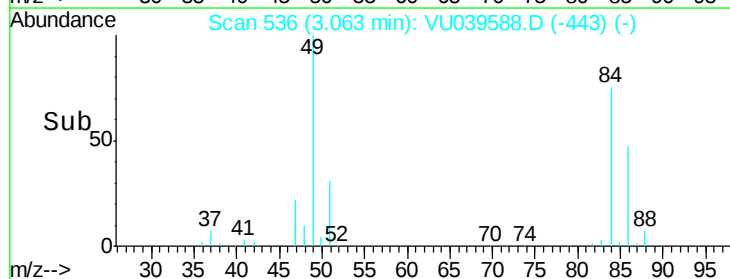
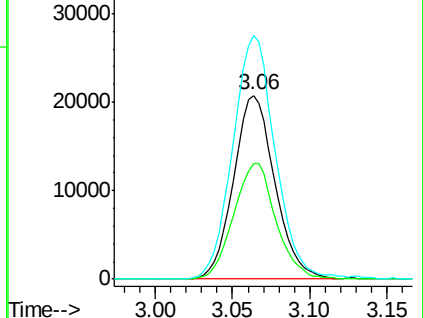
49 132.5 92.7 172.3

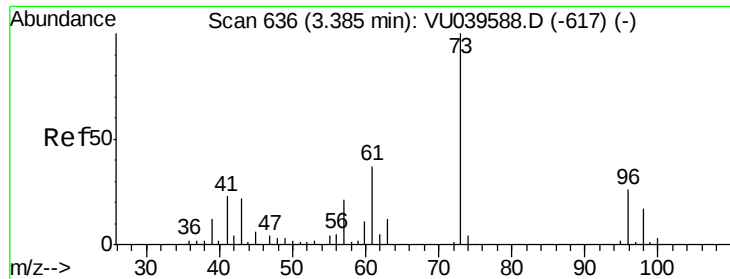


Abundance Ion 84.05 (83.75 to 84.75): VU039588.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039588.D (-523) (-)

Ion 49.10 (48.80 to 49.80): VU039588.D (-523) (-)

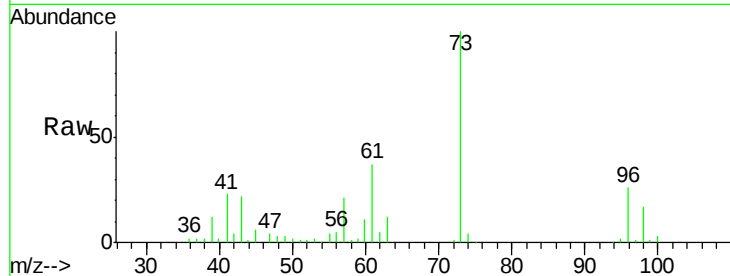




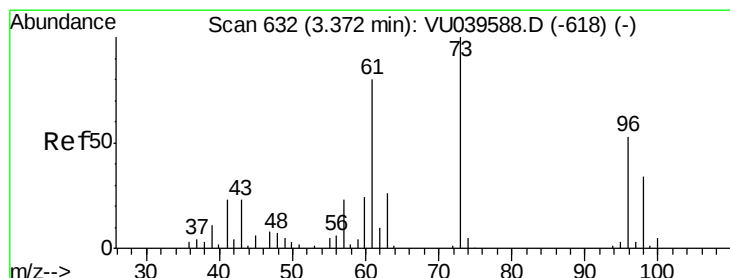
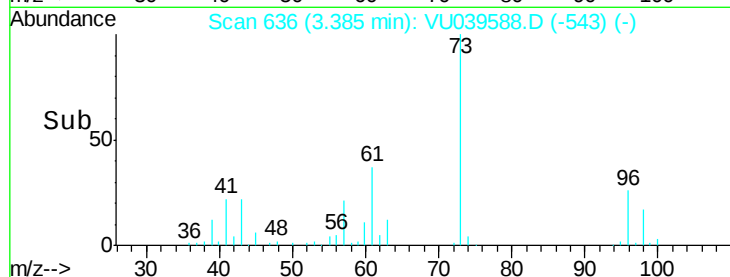
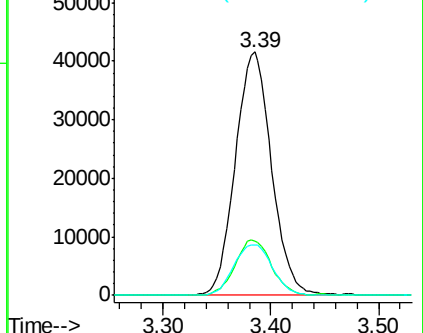
#17
Methyl tert-butyl Ether
Concen: 4.318 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion: 73 Resp: 97131
Ion Ratio Lower Upper
73 100
43 22.8 18.2 27.4
57 22.4 17.9 26.9

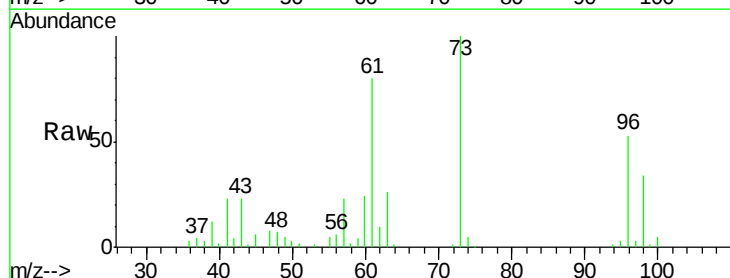


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

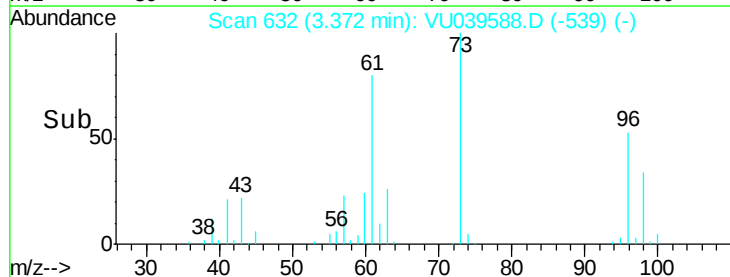
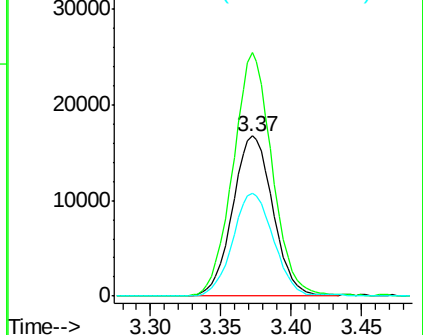


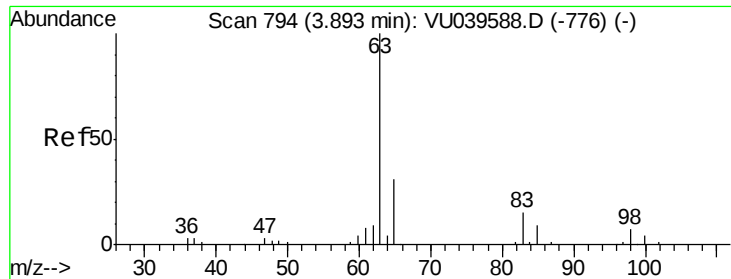
#18
trans-1,2-Dichloroethene
Concen: 4.276 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion: 96 Resp: 33524
Ion Ratio Lower Upper
96 100
61 152.2 106.5 197.9
98 64.6 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

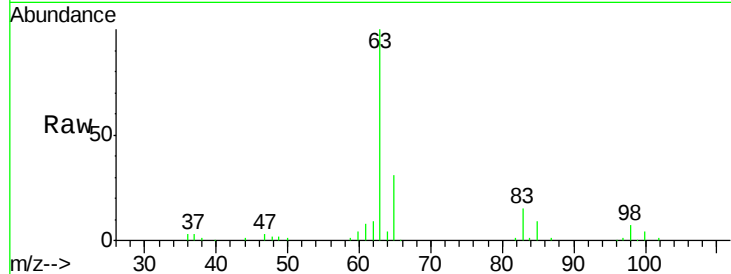




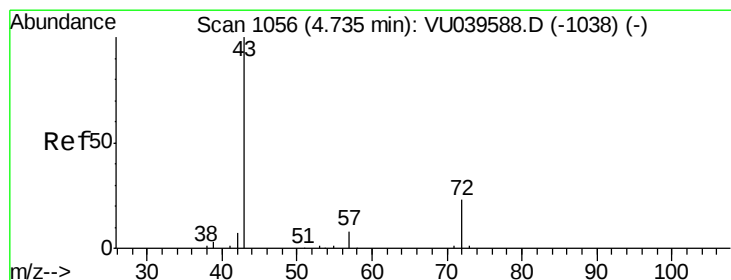
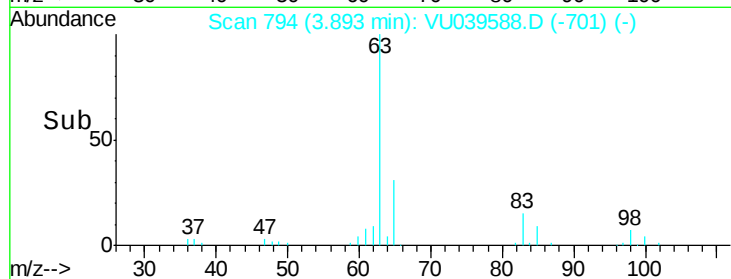
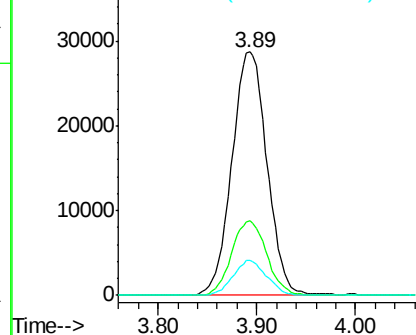
#19
 1,1-Dichloroethane
 Concen: 4.541 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion: 63 Resp: 71196
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 14.6 10.2 19.0

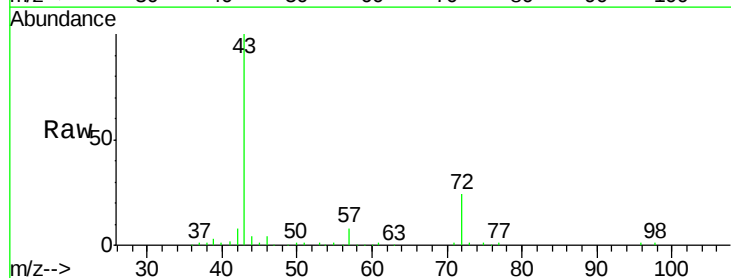


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

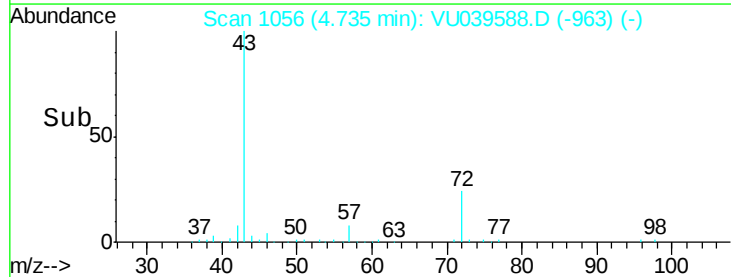
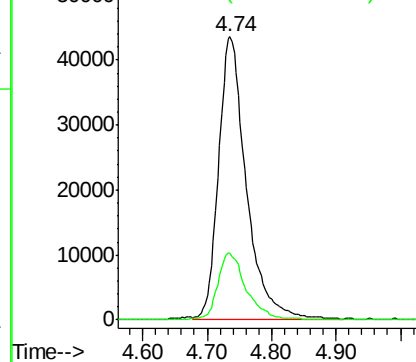


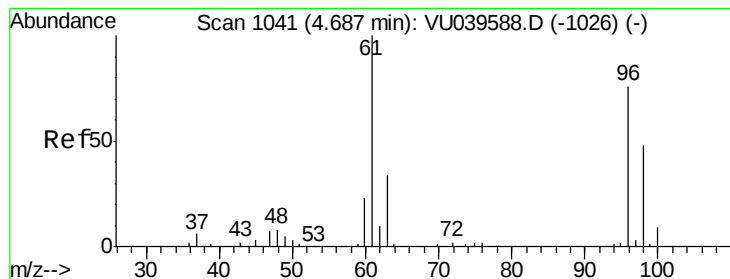
#21
 2-Butanone
 Concen: 42.616 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion: 43 Resp: 129877
 Ion Ratio Lower Upper
 43 100
 72 24.3 12.2 36.4



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





#22

cis-1,2-Dichloroethene

Concen: 4.500 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

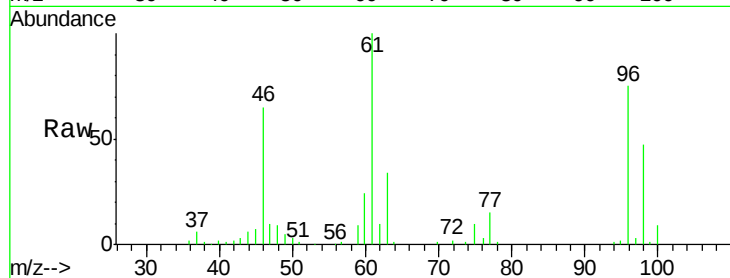
Tgt Ion: 96 Resp: 40104

Ion Ratio Lower Upper

96 100

61 132.9 93.0 172.8

68 0.0 0.0 0.0

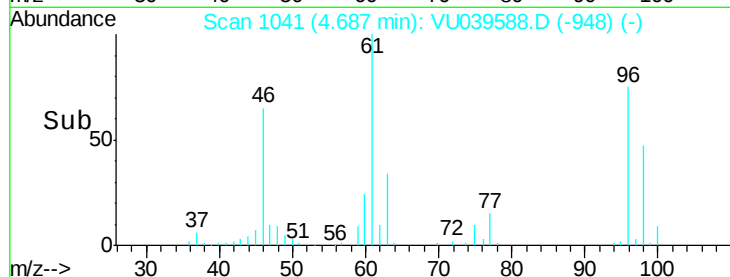


Abundance Ion 96.00 (95.70 to 96.70): VU039588.D (-1026) (-)

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

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

Time-->

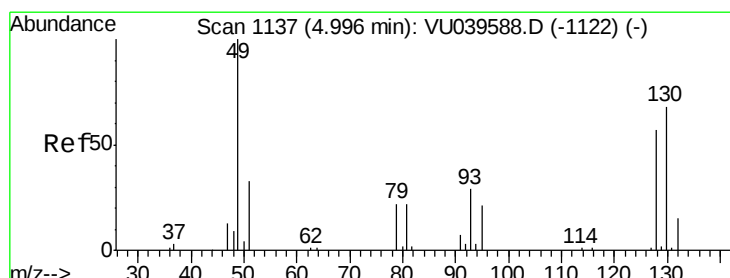


Abundance Ion 96.00 (95.70 to 96.70): VU039588.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039588.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039588.D (-948) (-)

Time-->



#23

Bromochloromethane

Concen: 4.412 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Tgt Ion: 128 Resp: 17831

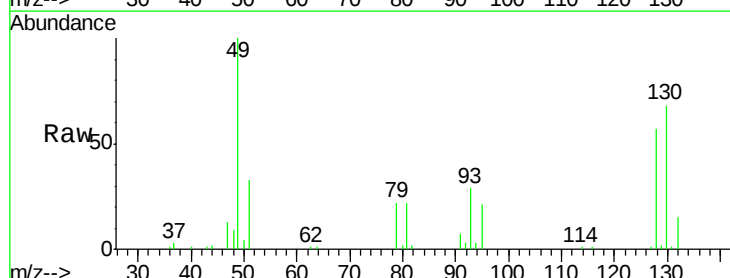
Ion Ratio Lower Upper

128 100

49 175.9 123.1 228.7

130 118.8 83.2 154.4

51 57.7 46.2 69.2



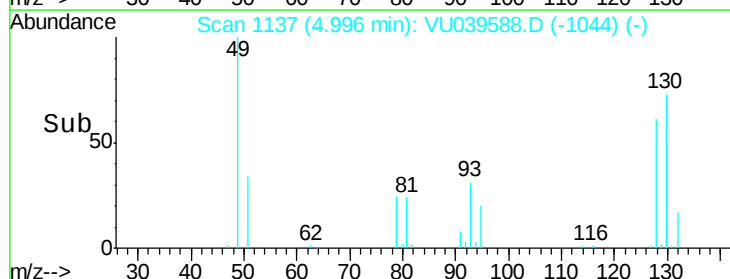
Abundance Ion 127.90 (127.60 to 128.60): VU039588.D (-1122) (-)

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) (-)

Time-->



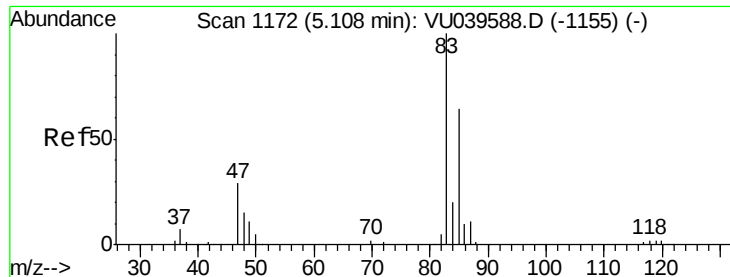
Abundance Ion 127.90 (127.60 to 128.60): VU039588.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039588.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039588.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039588.D (-1044) (-)

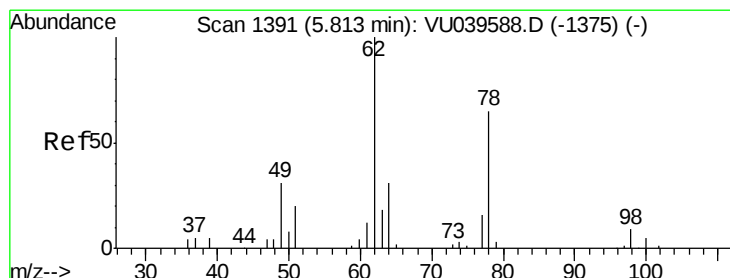
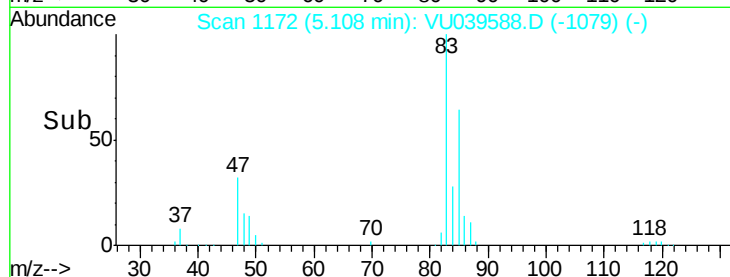
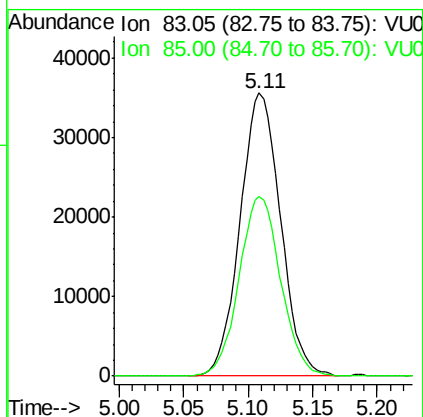
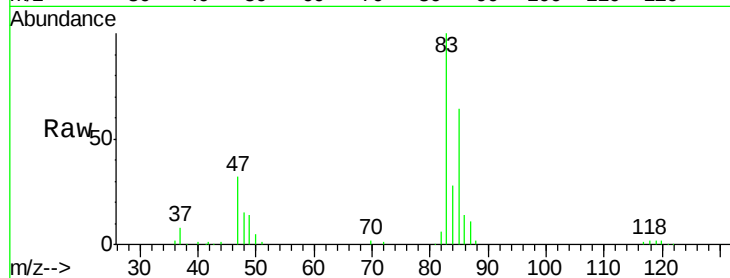
Time-->



#25
Chloroform
Concen: 4.873 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

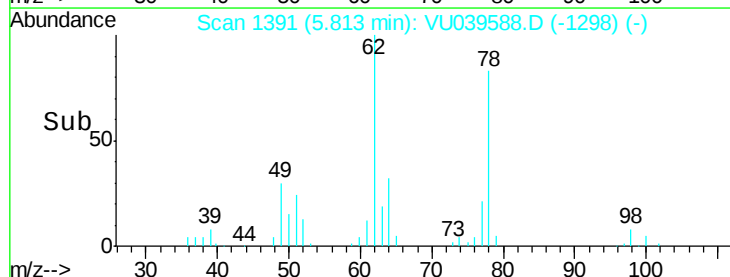
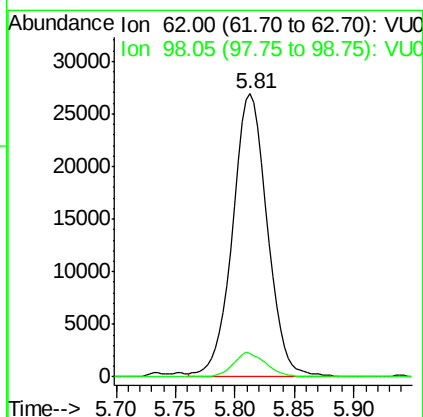
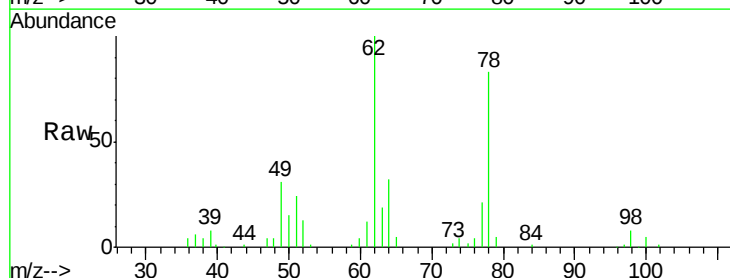
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

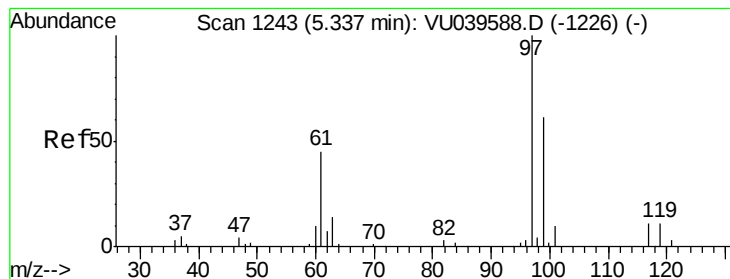
Tgt Ion: 83 Resp: 77851
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.753 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion: 62 Resp: 54563
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 4.635 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

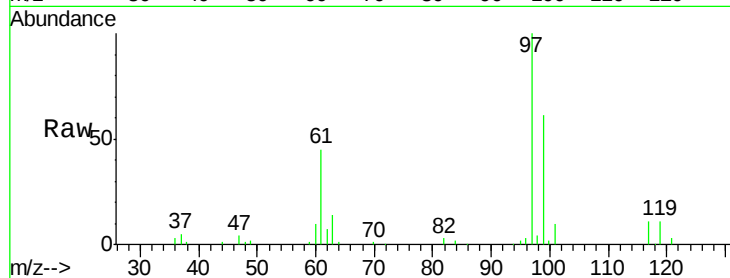
Tgt Ion: 97 Resp: 65555

Ion Ratio Lower Upper

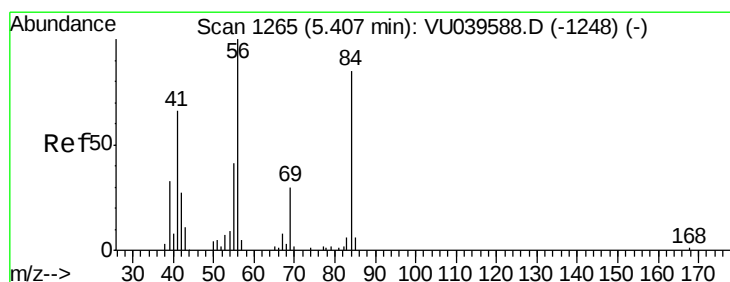
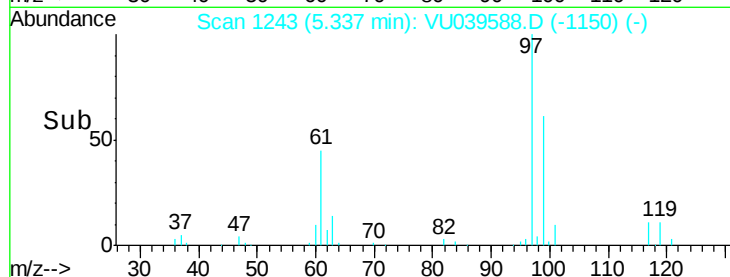
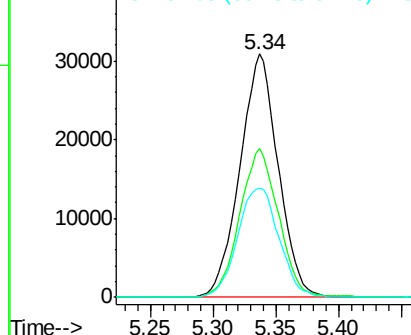
97 100

99 61.9 49.5 74.3

61 48.5 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: 4.002 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

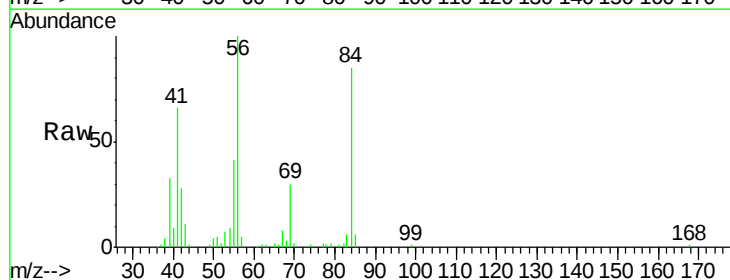
Tgt Ion: 56 Resp: 57313

Ion Ratio Lower Upper

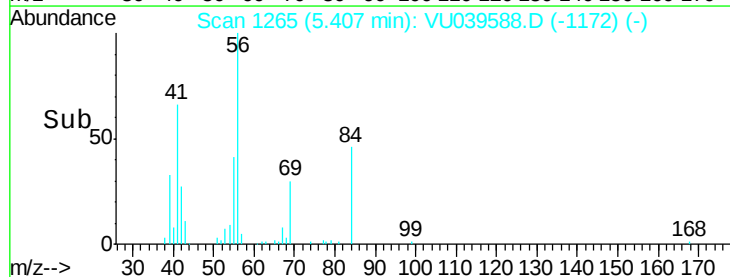
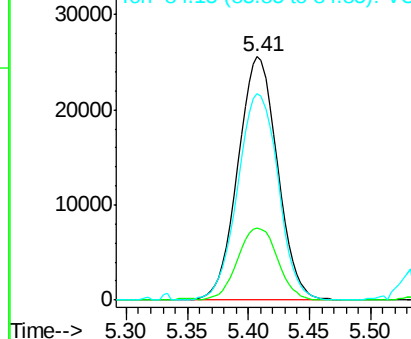
56 100

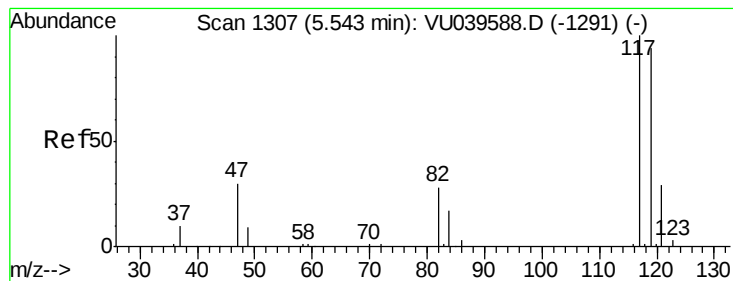
69 30.0 24.0 36.0

84 87.2 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: 4.636 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

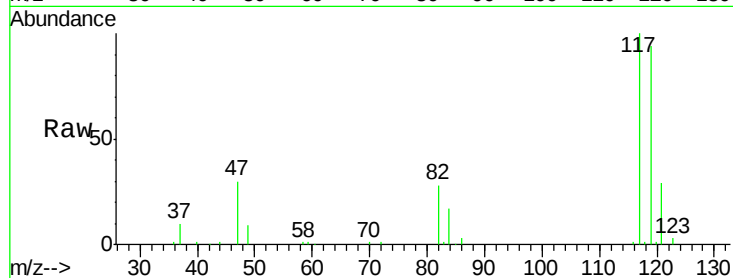
VSTD00502

Tgt Ion:117 Resp: 55755

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

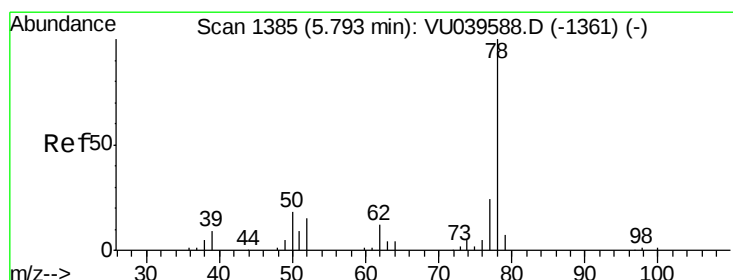
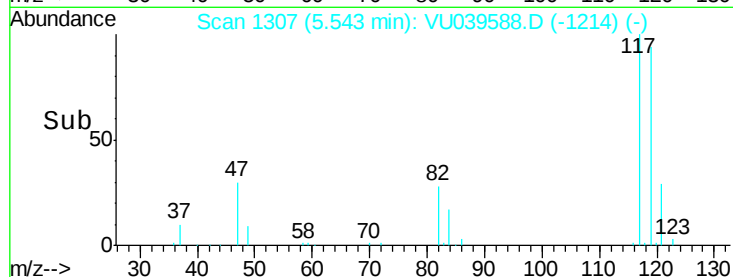
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 4.272 ug/L

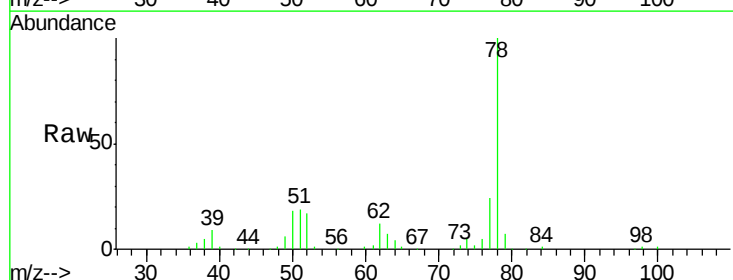
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Tgt Ion: 78 Resp: 150783



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

80000

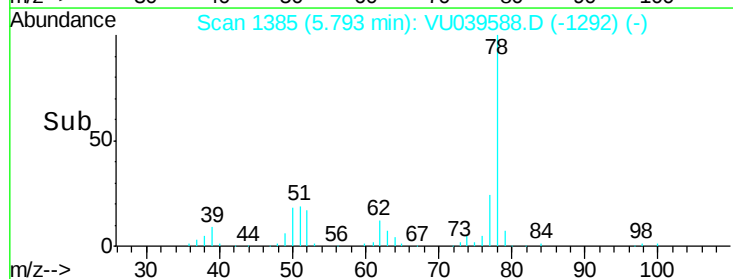
60000

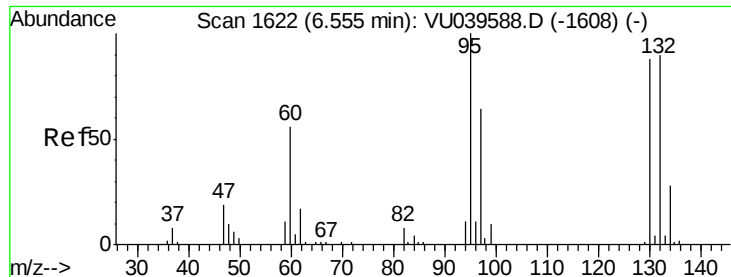
40000

20000

0

Time-->

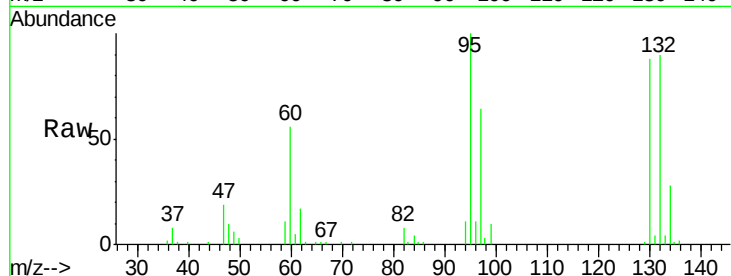




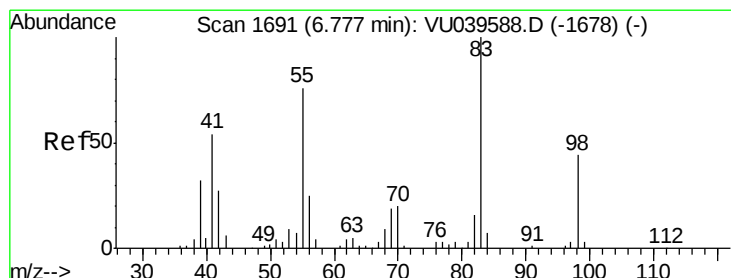
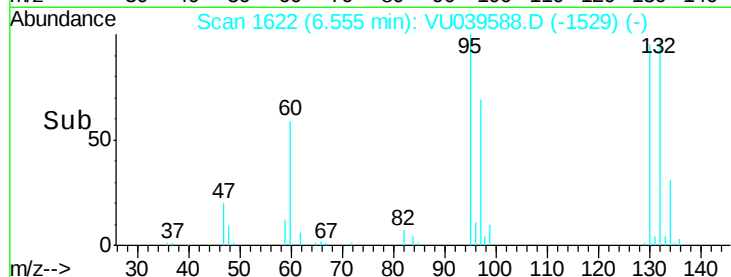
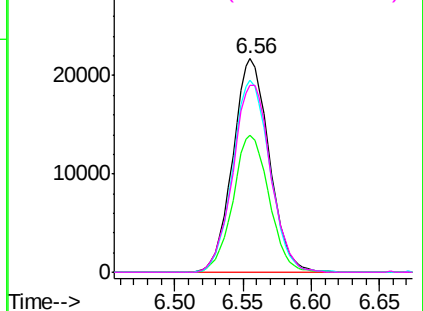
#34
 Trichloroethene
 Concen: 4.403 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion: 95 Resp: 40318
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.9 83.3
 132 89.7 62.8 116.6
 130 87.8 61.5 114.1

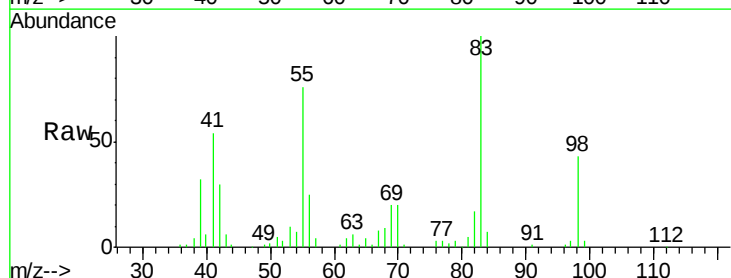


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

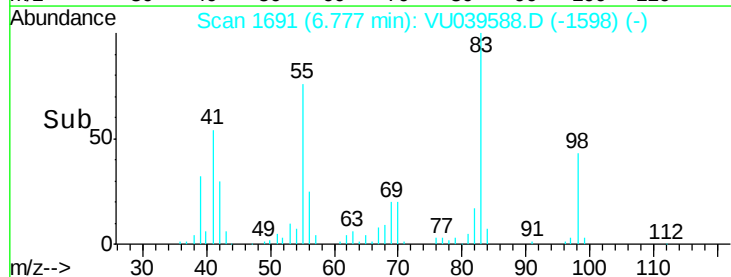
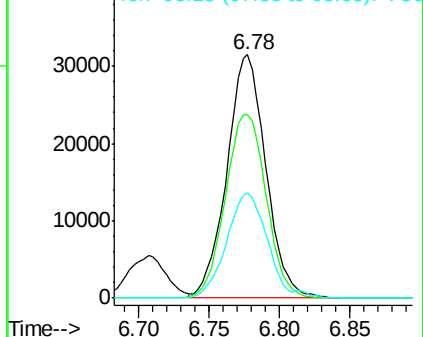


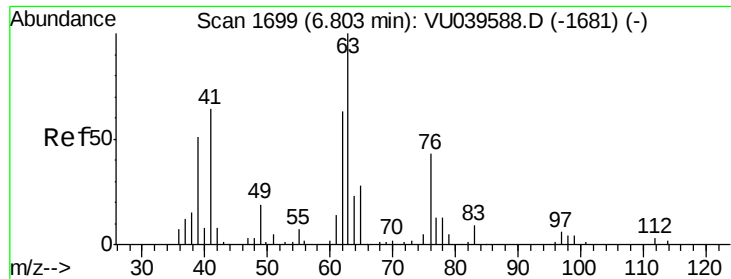
#35
 Methylcyclohexane
 Concen: 4.232 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion: 83 Resp: 61016
 Ion Ratio Lower Upper
 83 100
 55 78.8 63.0 94.6
 98 44.1 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

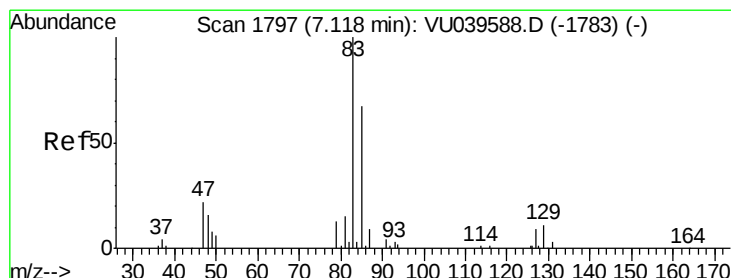
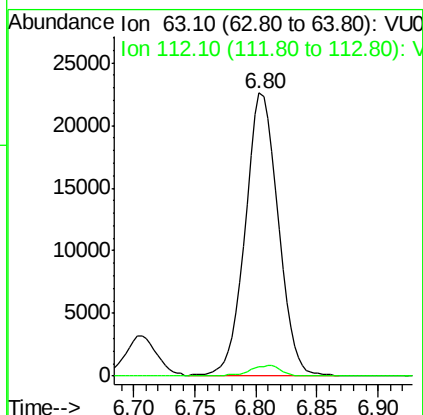
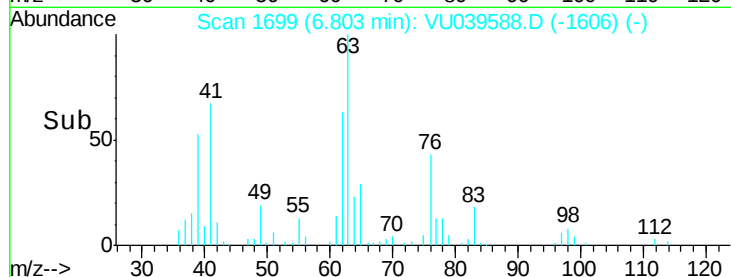
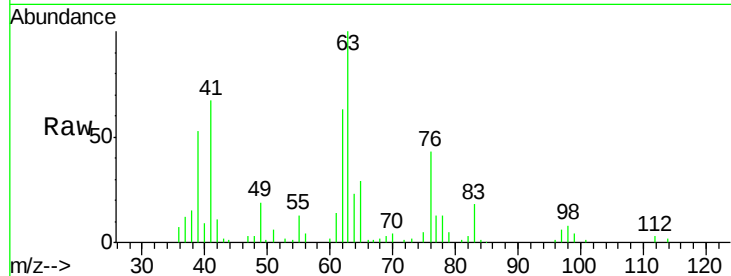




#37
 1,2-Dichloropropane
 Concen: 4.378 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

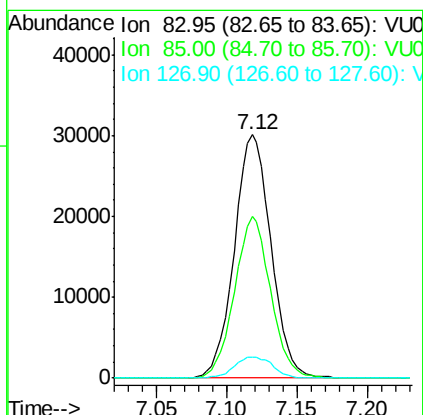
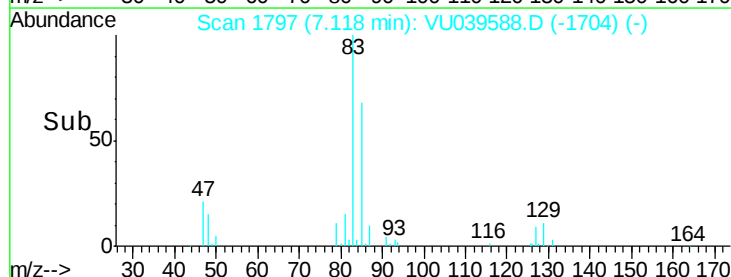
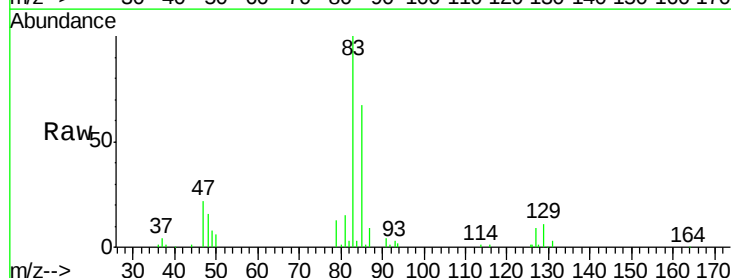
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

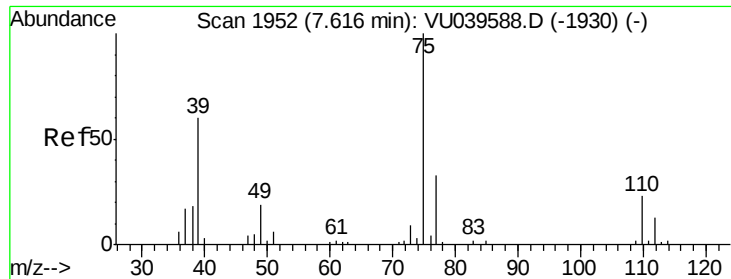
Tgt Ion: 63 Resp: 42166
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.430 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion: 83 Resp: 54810
 Ion Ratio Lower Upper
 83 100
 85 66.6 46.6 86.6
 127 8.8 7.0 10.6

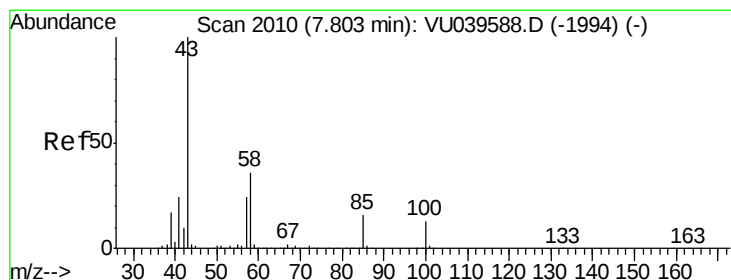
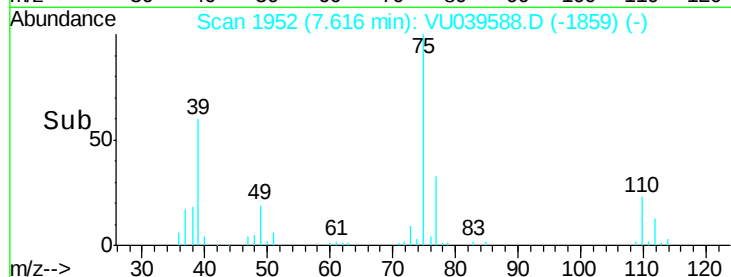
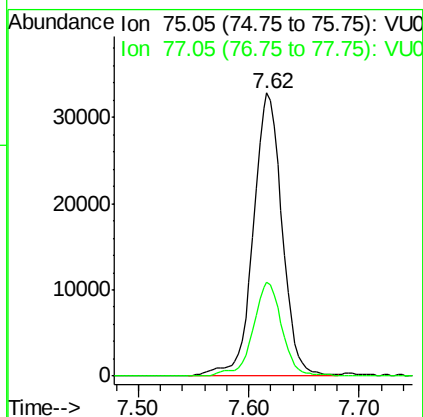
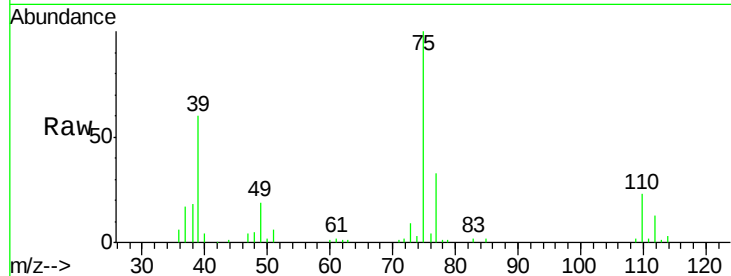




#39
 cis-1,3-Dichloropropene
 Concen: 4.109 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

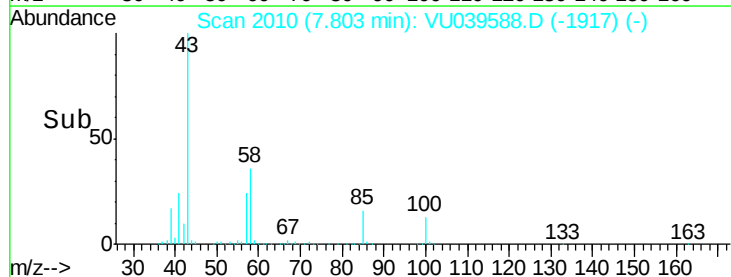
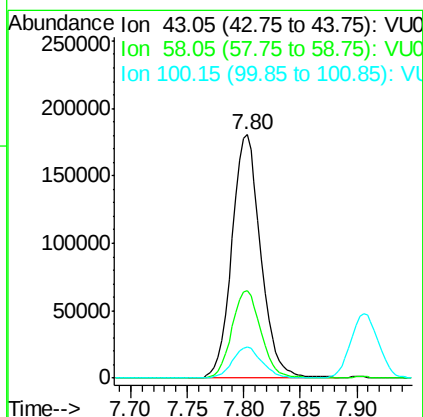
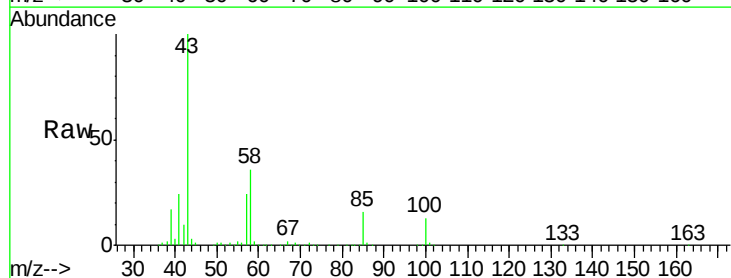
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

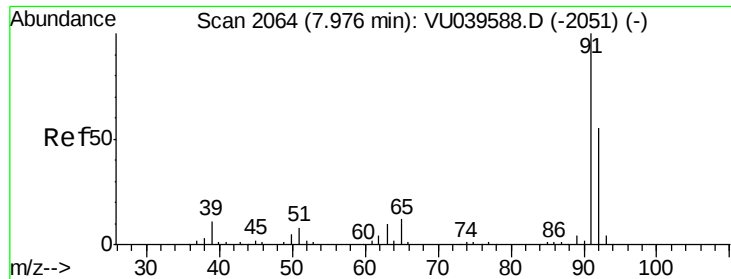
Tgt Ion: 75 Resp: 59593
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 40.228 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion: 43 Resp: 320836
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 13.1 10.5 15.7





#42

Toluene

Concen: 4.387 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

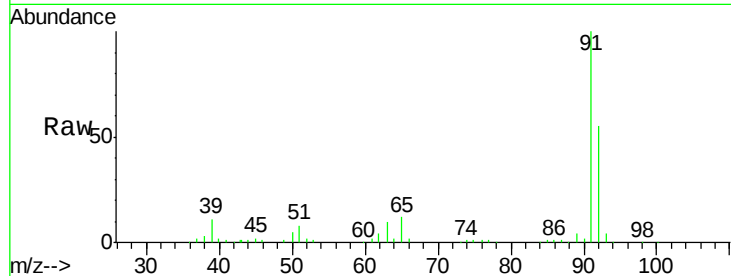
VSTD00502

Tgt Ion: 91 Resp: 166498

Ion Ratio Lower Upper

91 100

92 55.1 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

100000

80000

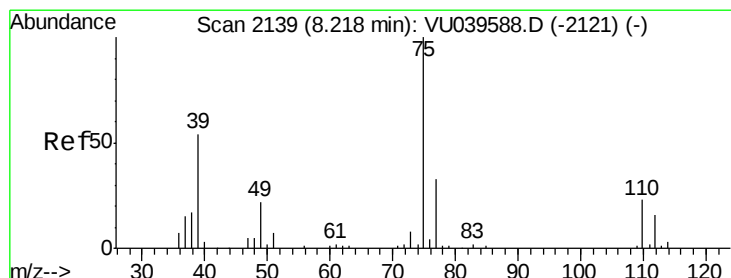
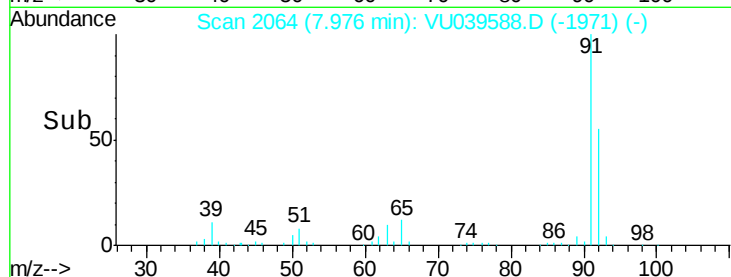
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.203 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039588.D

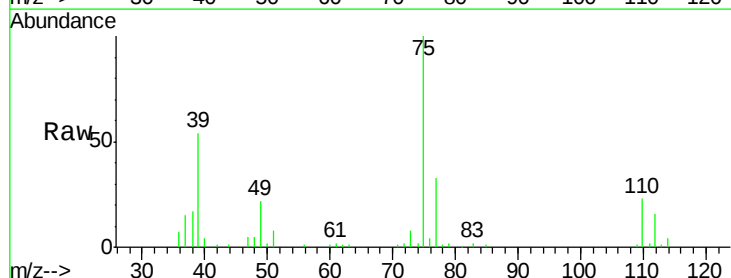
Acq: 21 Jul 2020 10:07

Tgt Ion: 75 Resp: 54064

Ion Ratio Lower Upper

75 100

77 32.5 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

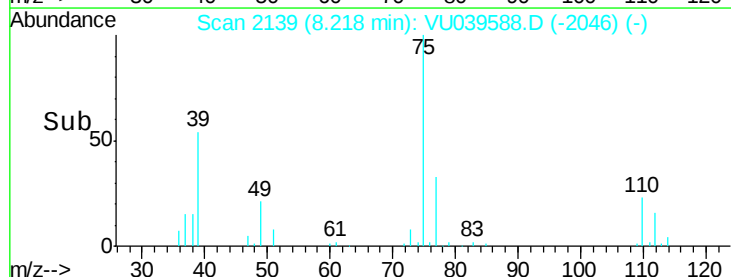
30000

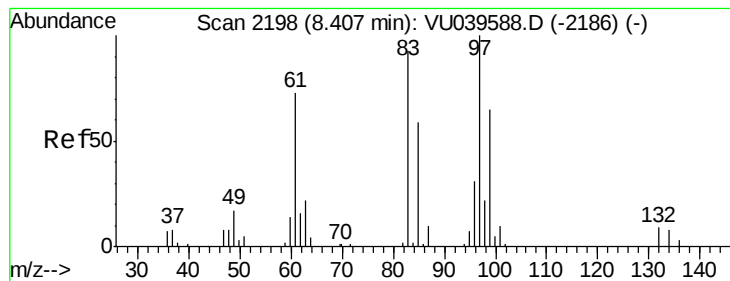
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.390 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

Tgt Ion: 97 Resp: 30458

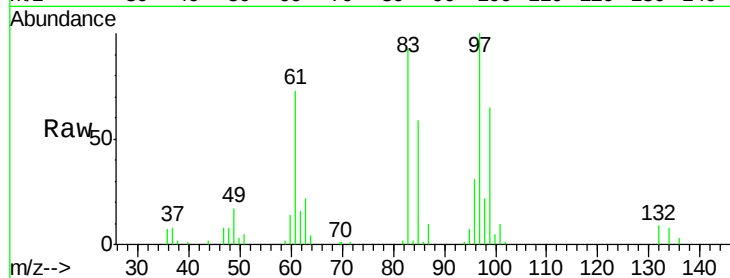
Ion Ratio Lower Upper

97 100

99 64.6 45.2 84.0

83 92.7 64.9 120.5

85 59.2 41.4 77.0

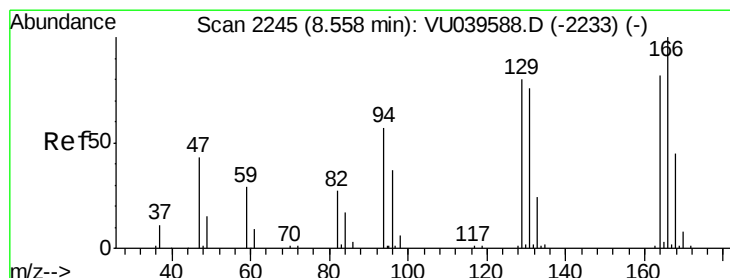
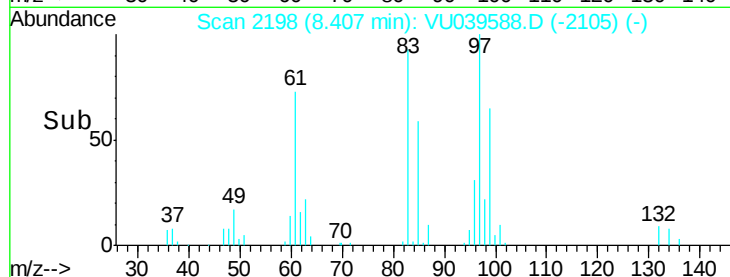
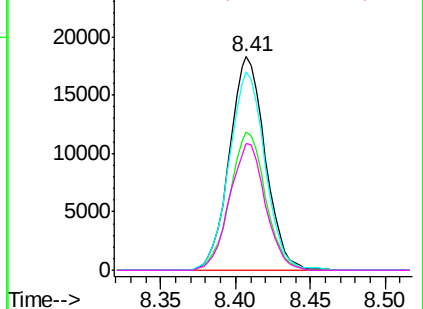


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.547 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Tgt Ion: 164 Resp: 29181

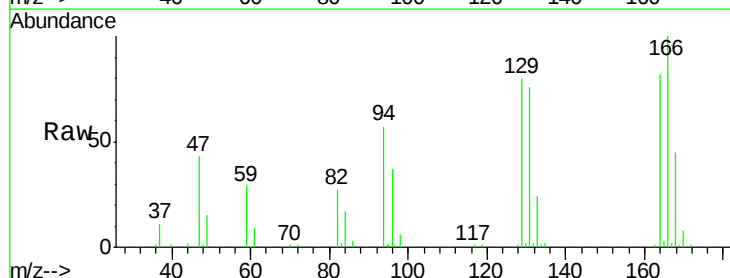
Ion Ratio Lower Upper

164 100

129 97.0 67.9 126.1

131 92.4 64.7 120.1

166 121.6 85.1 158.1

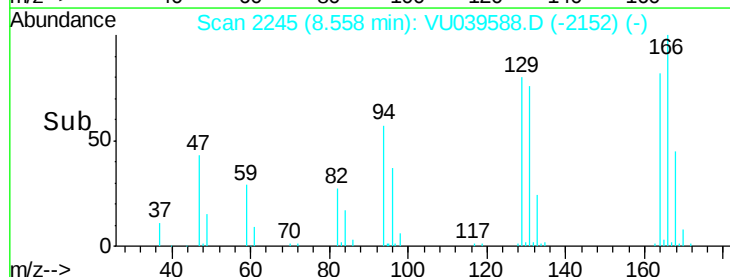
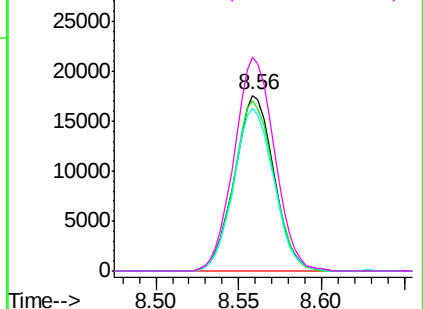


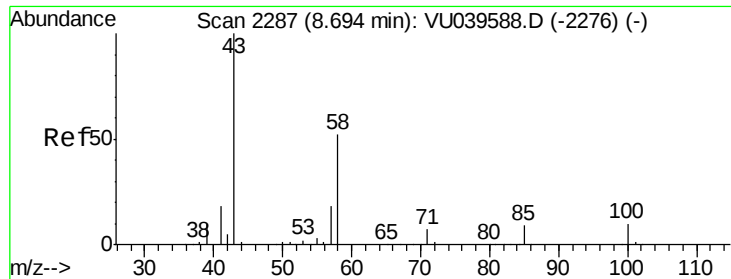
Abundance Ion 163.90 (163.60 to 164.60): V

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

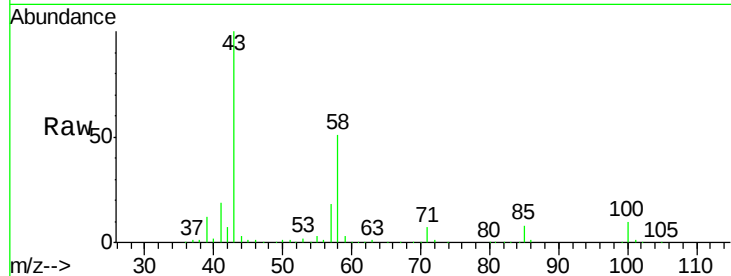




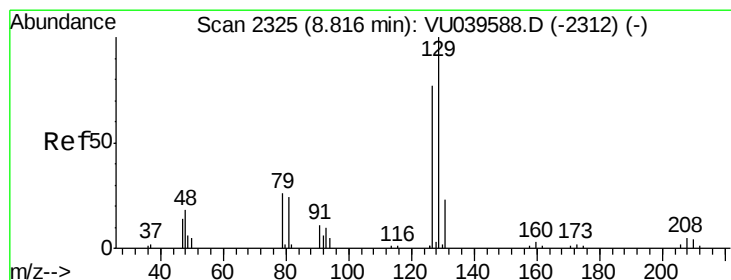
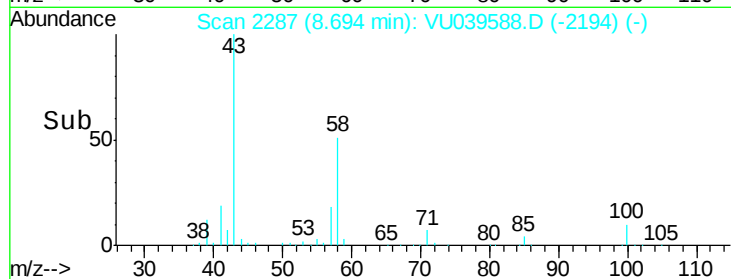
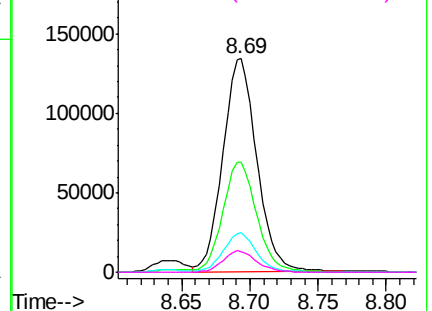
#48
2-Hexanone
Concen: 39.608 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Instrument :
MSVOA_U
ClientSampled :
VSTD00502

Tgt Ion:	43	Resp:	232292
Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.9	61.3
57	18.2	14.6	21.8
100	9.9	7.9	11.9

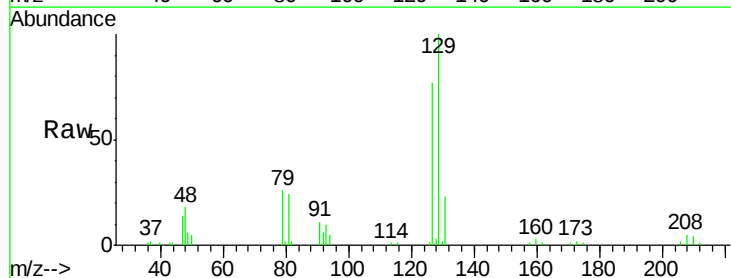


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

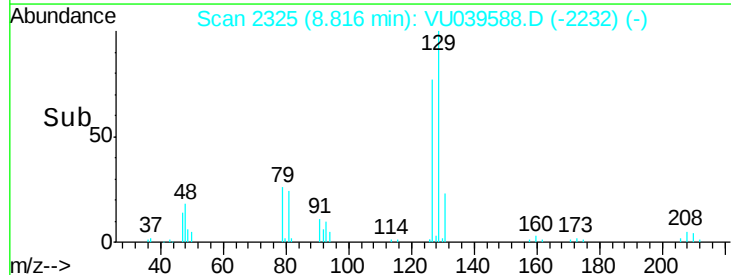
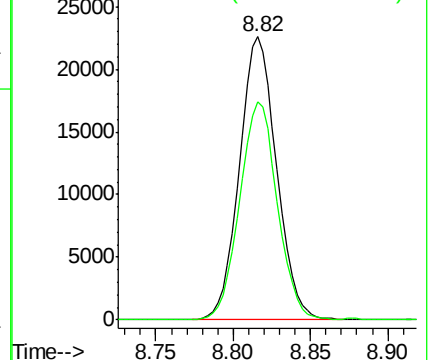


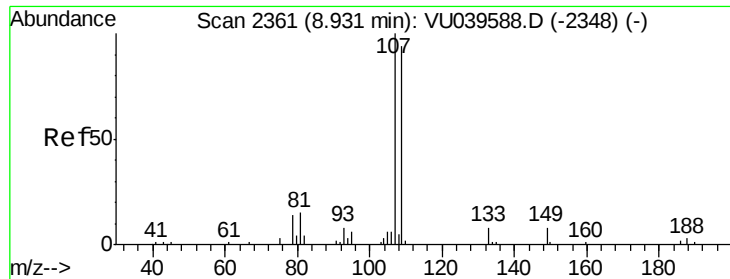
#49
Dibromochloromethane
Concen: 4.438 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion:	129	Resp:	37600
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	99.8



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

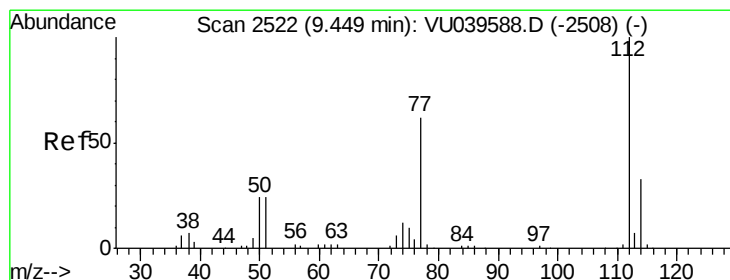
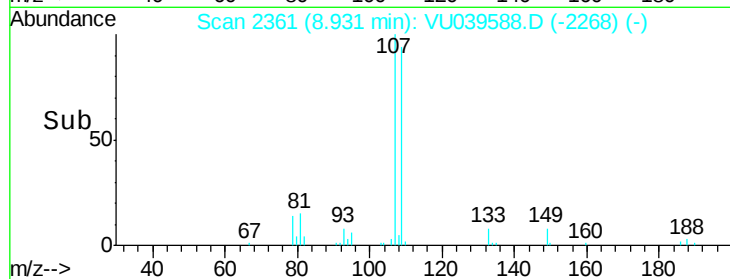
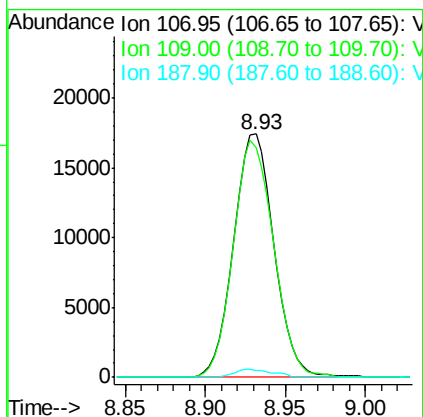
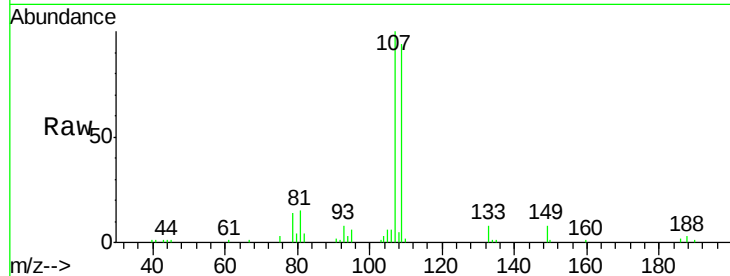




#50
1,2-Dibromoethane
Concen: 4.263 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

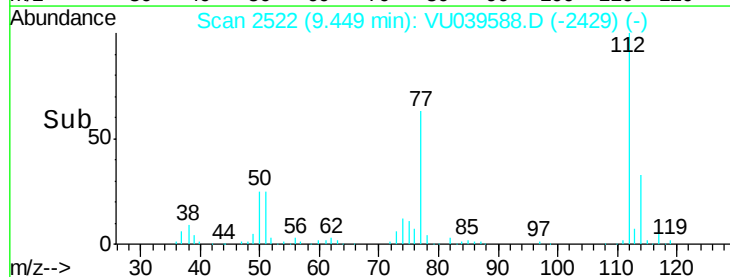
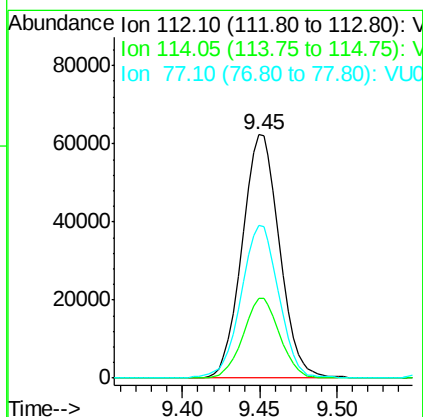
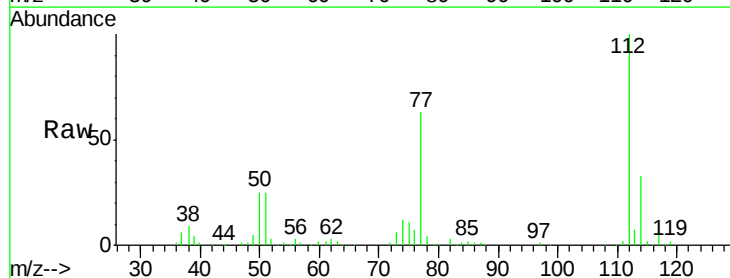
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

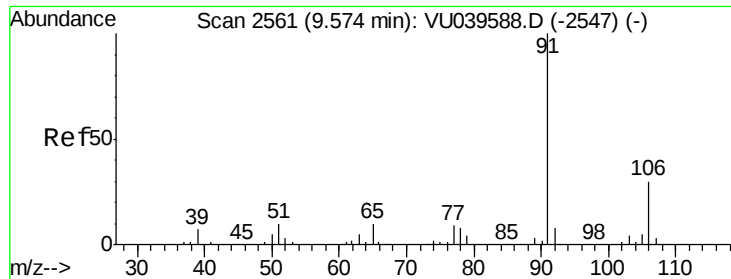
Tgt Ion:107 Resp: 29966
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 4.490 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion:112 Resp: 104900
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 62.5 50.0 75.0





#52

Ethylbenzene

Concen: 4.455 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

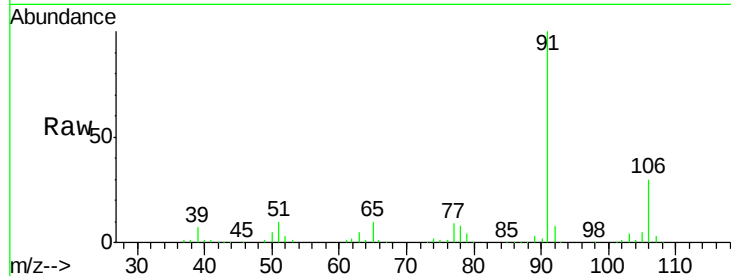
VSTD00502

Tgt Ion: 91 Resp: 187722

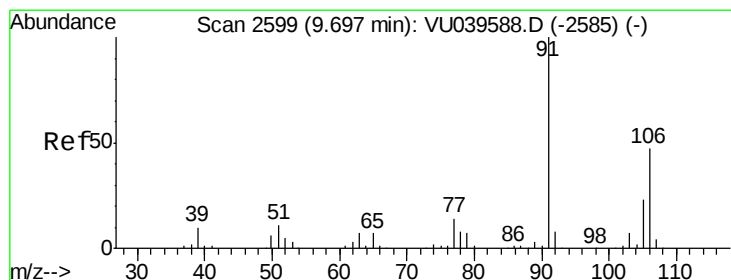
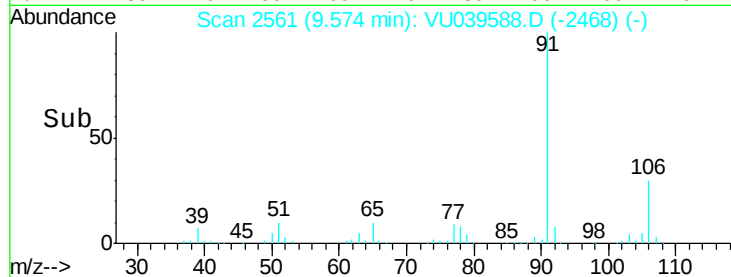
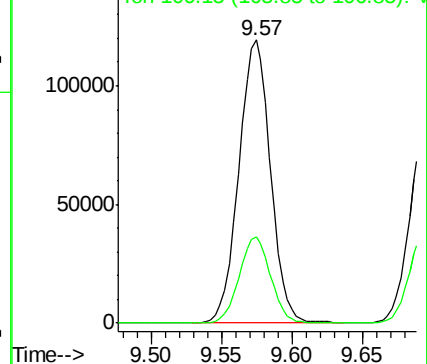
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039588.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.441 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039588.D

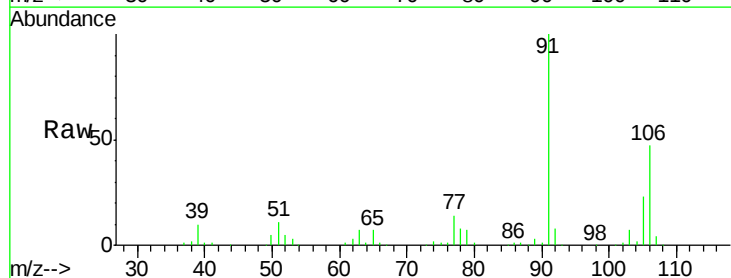
Acq: 21 Jul 2020 10:07

Tgt Ion: 106 Resp: 70603

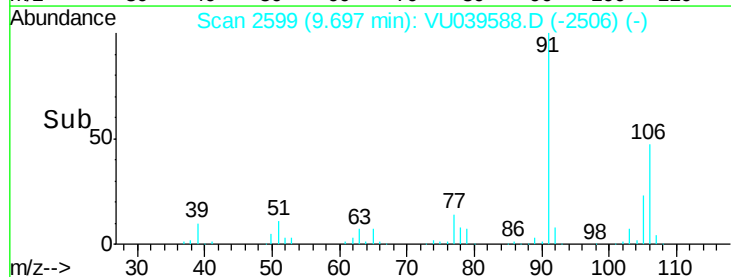
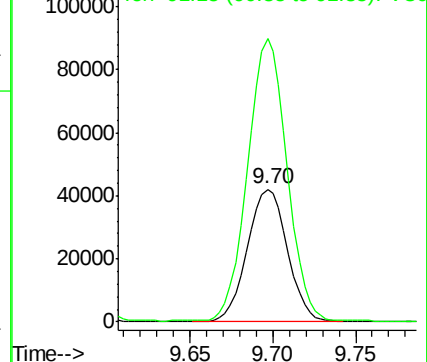
Ion Ratio Lower Upper

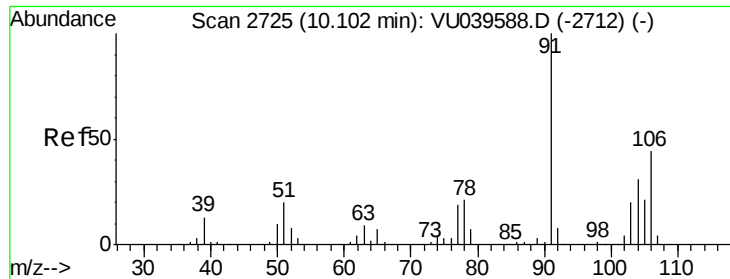
106 100

91 213.3 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039588.D (-2599) (-)

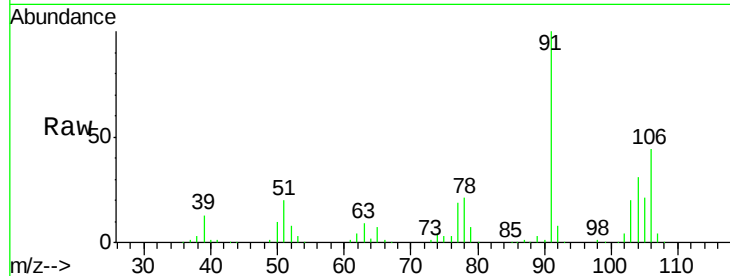




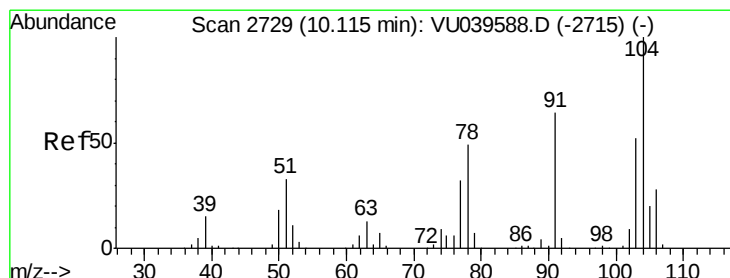
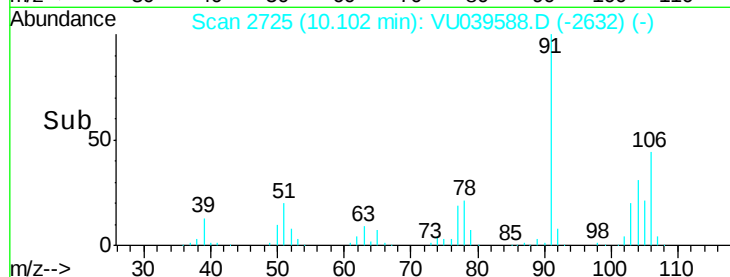
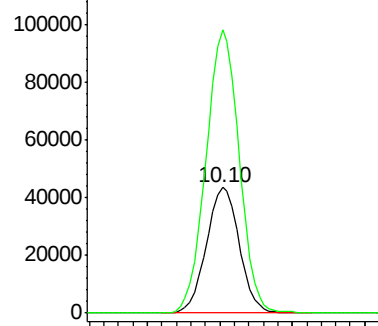
#54
o-Xylene
Concen: 4.424 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion:106 Resp: 68656
Ion Ratio Lower Upper
106 100
91 224.9 157.4 292.4

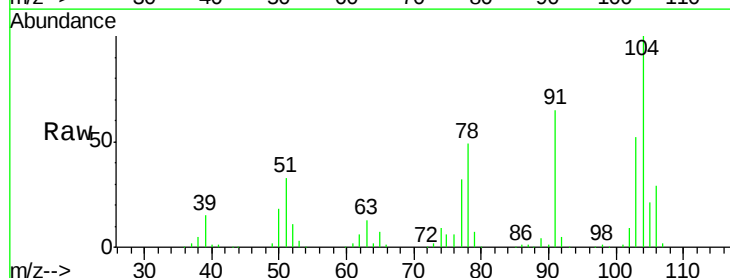


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

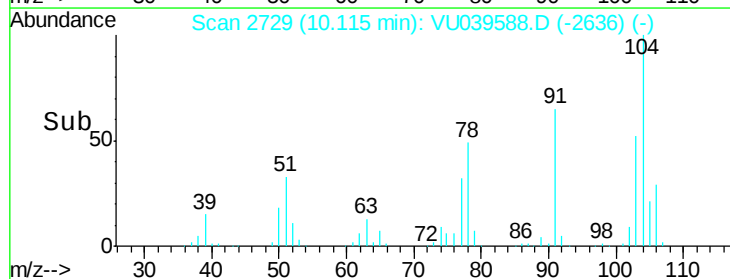
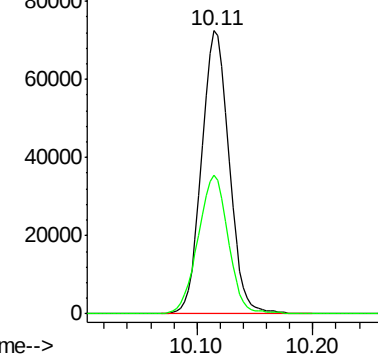


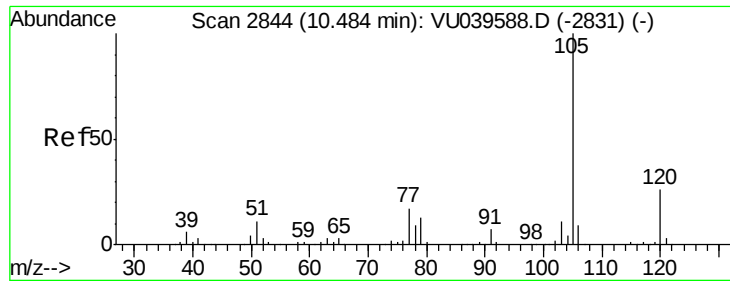
#55
Styrene
Concen: 4.387 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion:104 Resp: 118550
Ion Ratio Lower Upper
104 100
78 49.2 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: 4.491 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

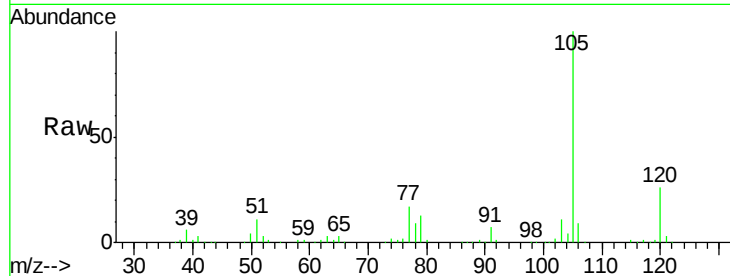
Tgt Ion: 105 Resp: 188705

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

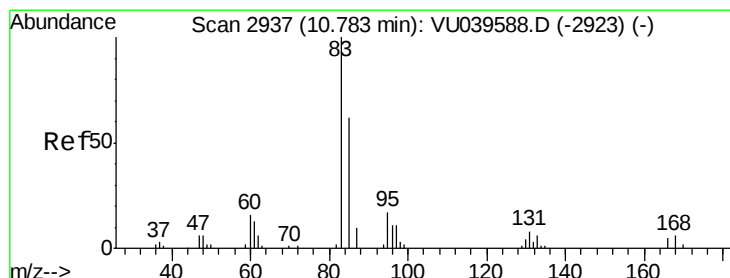
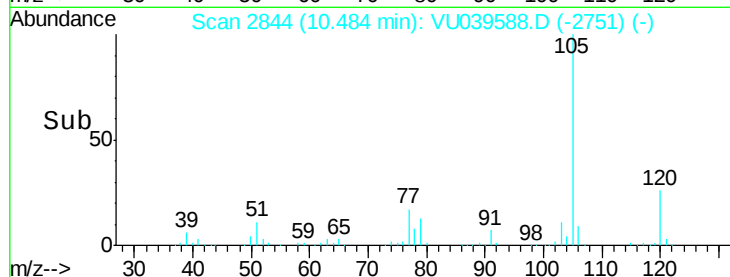
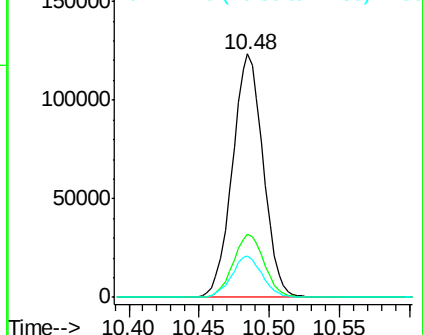
77 17.0 13.6 20.4



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: 4.307 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

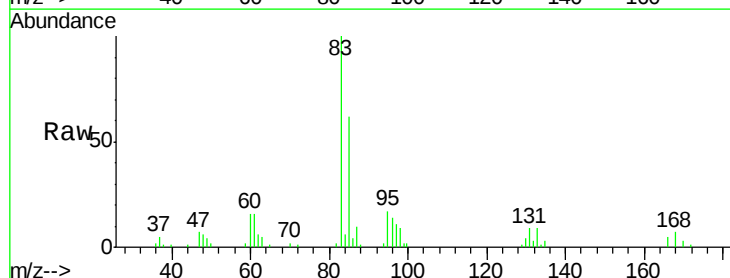
Tgt Ion: 83 Resp: 41701

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

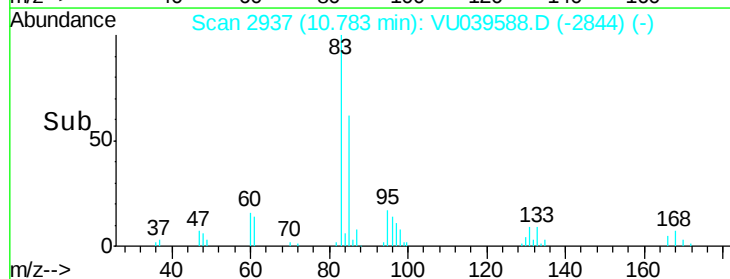
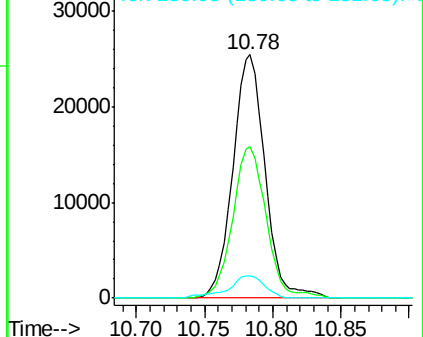
131 9.2 7.4 11.0

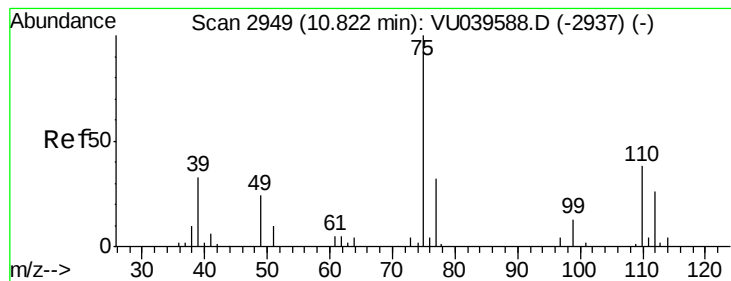


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.254 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

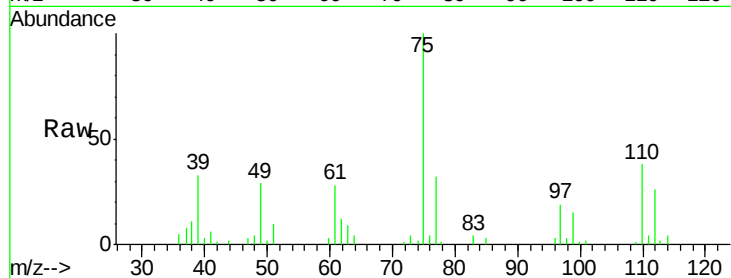
VSTD00502

Tgt Ion: 75 Resp: 30489

Ion Ratio Lower Upper

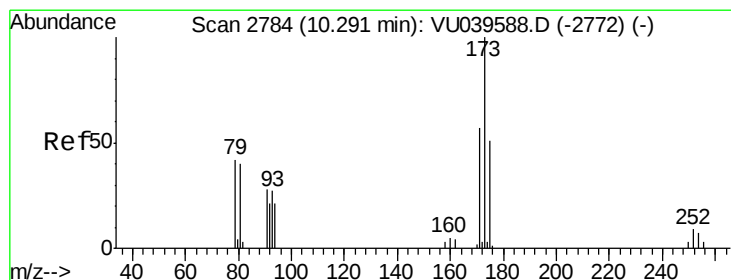
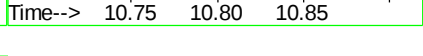
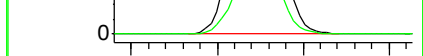
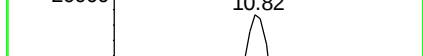
75 100

77 31.9 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) (-)



#61

Bromoform

Concen: 4.357 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

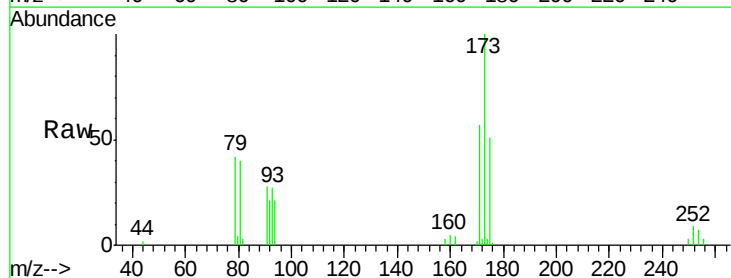
Tgt Ion: 173 Resp: 21265

Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

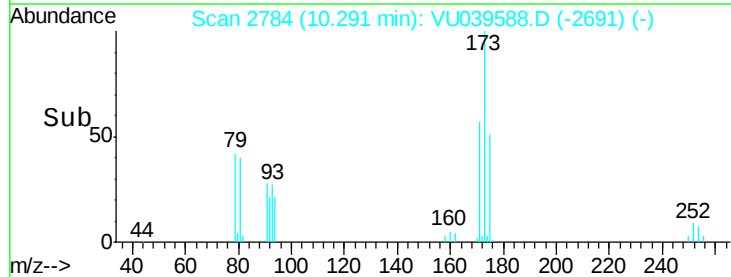
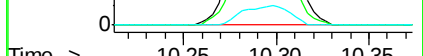
254 8.1 6.5 9.7



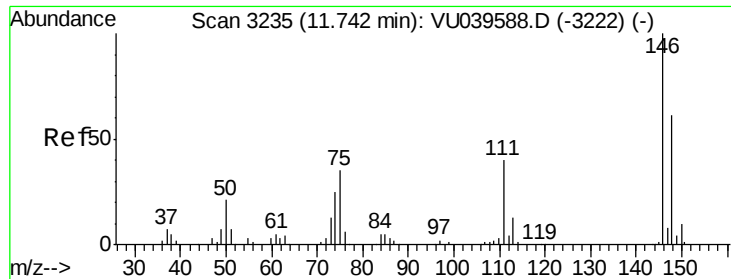
Abundance Ion 172.90 (172.60 to 173.60): VU039588.D (-2772) (-)

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

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



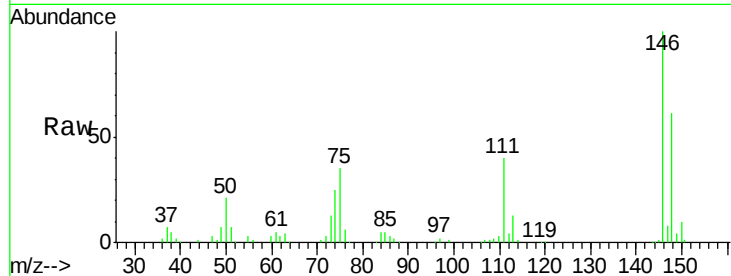
Time-->



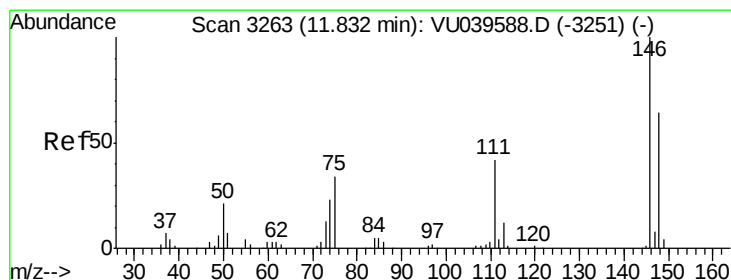
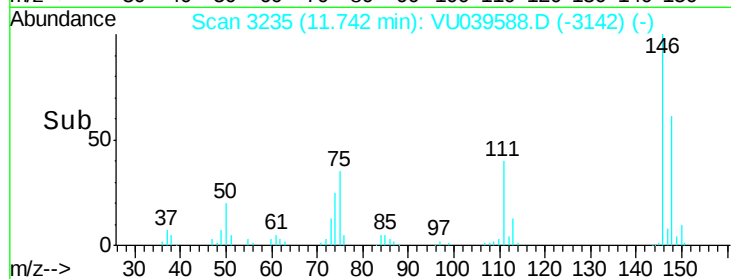
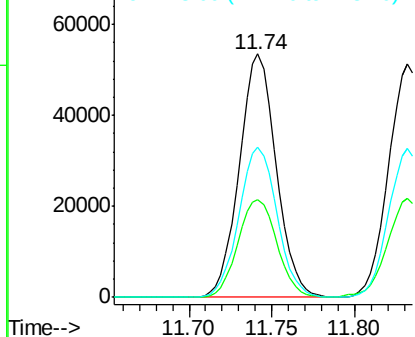
#62
 1,3-Dichlorobenzene
 Concen: 4.534 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:146 Resp: 82762
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.9
 148 61.5 43.0 80.0

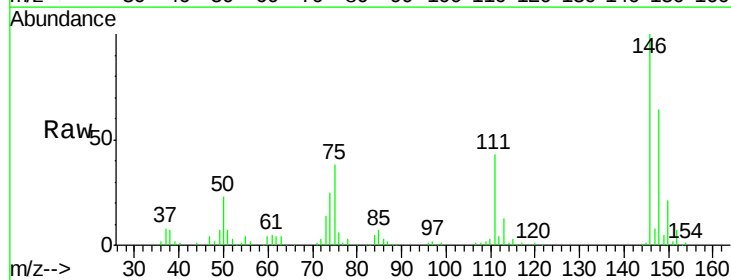


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

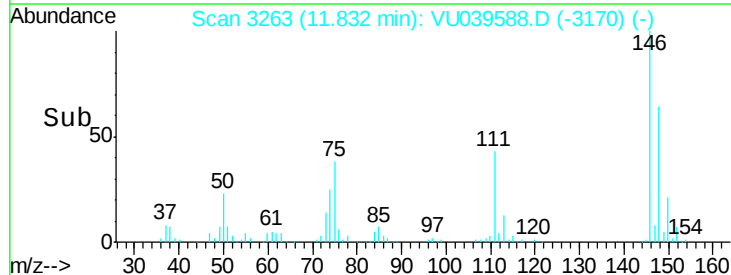
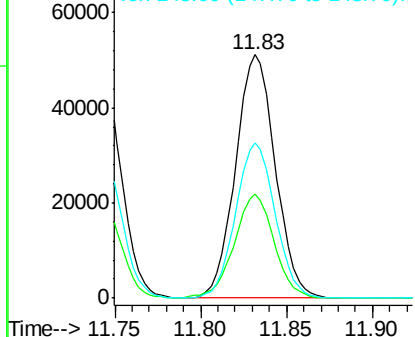


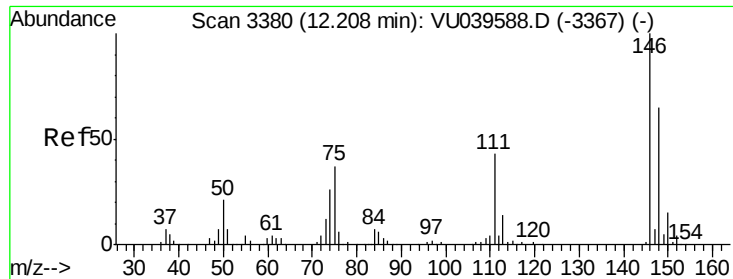
#63
 1,4-Dichlorobenzene
 Concen: 4.474 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion:146 Resp: 82119
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.9 55.5
 148 64.0 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: 4.369 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

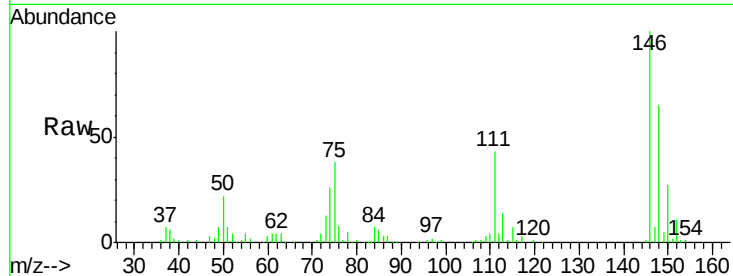
Tgt Ion:146 Resp: 79809

Ion Ratio Lower Upper

146 100

111 42.9 34.3 51.5

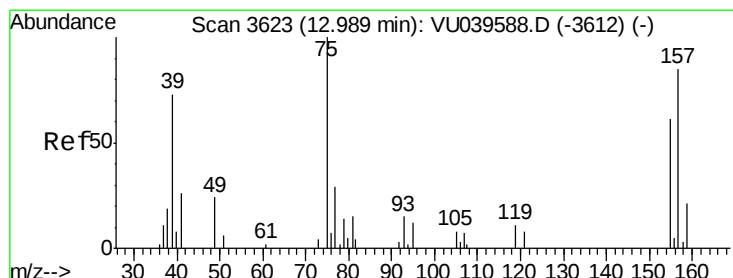
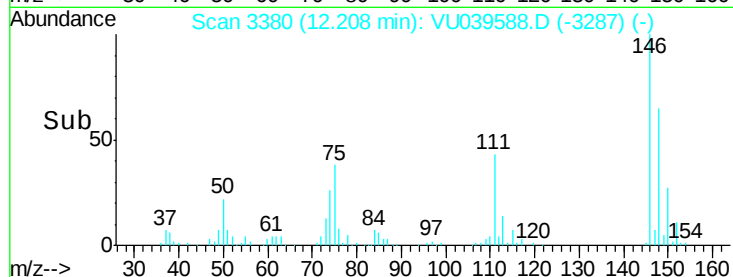
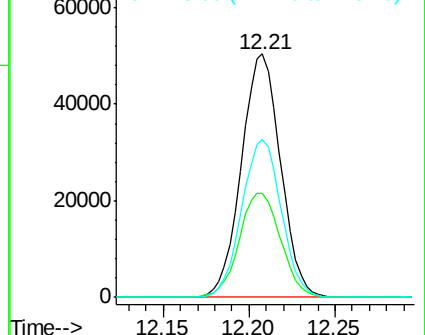
148 65.0 52.0 78.0



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: 4.535 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039588.D

Acq: 21 Jul 2020 10:07

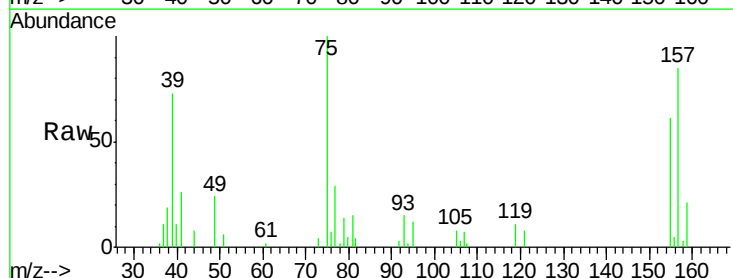
Tgt Ion: 75 Resp: 7237

Ion Ratio Lower Upper

75 100

155 60.5 48.4 72.6

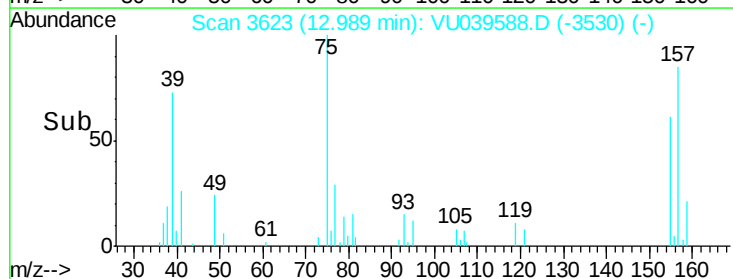
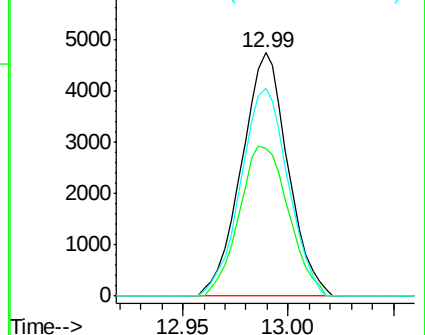
157 85.2 68.2 102.2

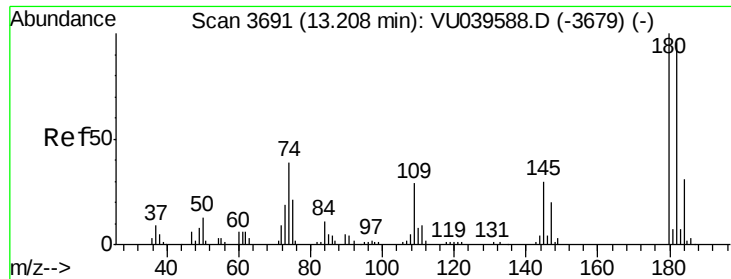


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

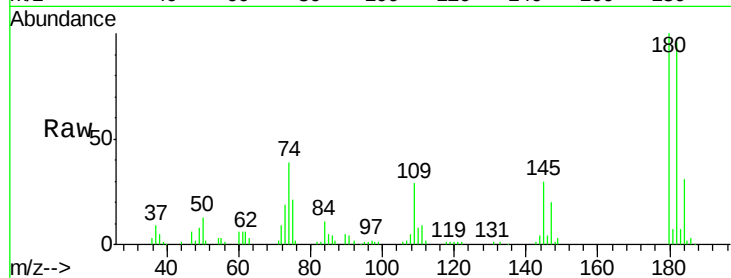




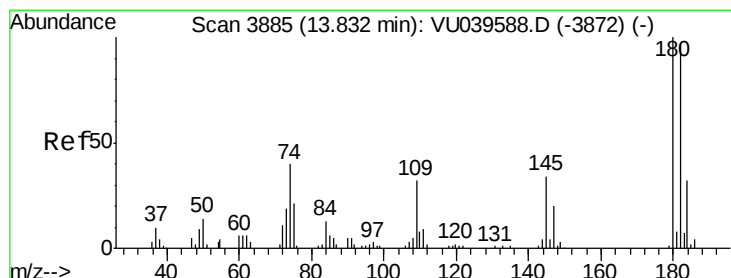
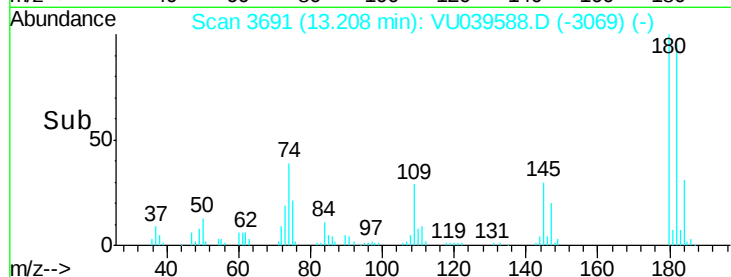
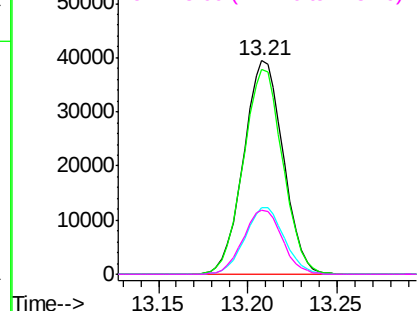
#67
 1,3,5-Trichlorobenzene
 Concen: 4.486 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:180 Resp: 61243
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 31.0 24.8 37.2
 145 29.8 23.8 35.8

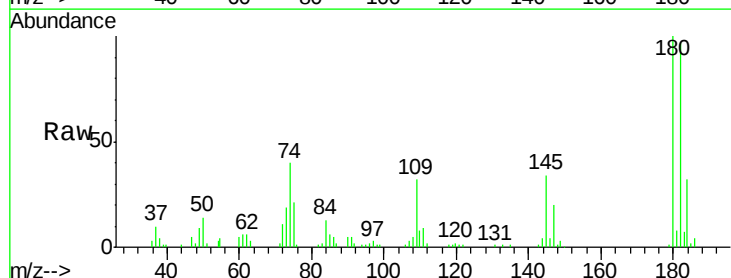


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

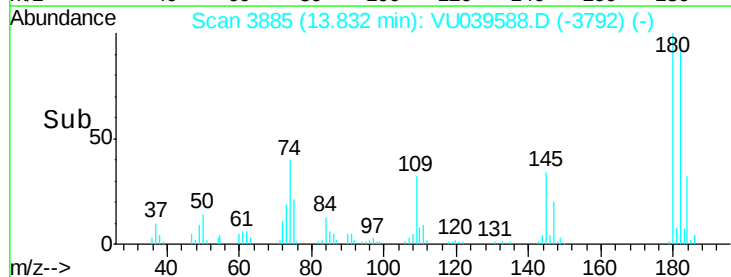
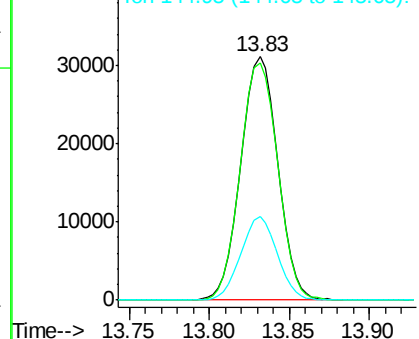


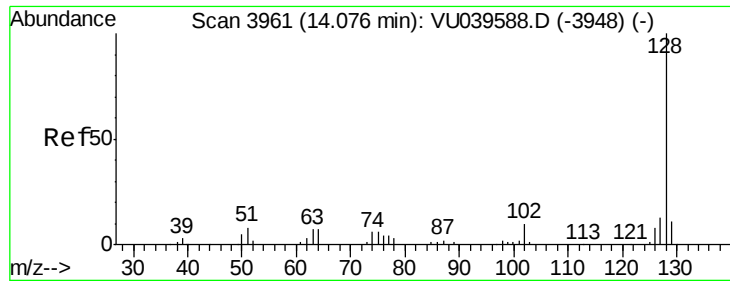
#68
 1,2,4-trichlorobenzene
 Concen: 4.251 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039588.D
 Acq: 21 Jul 2020 10:07

Tgt Ion:180 Resp: 49123
 Ion Ratio Lower Upper
 180 100
 182 98.5 78.8 118.2
 145 33.4 26.7 40.1



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

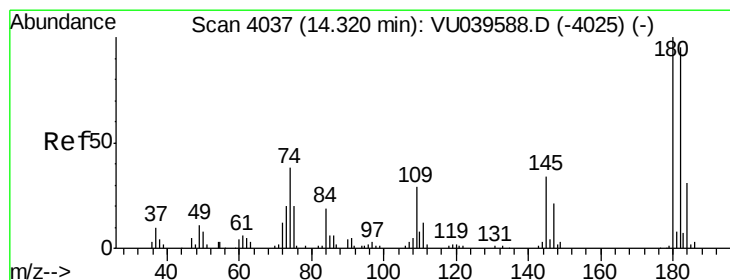
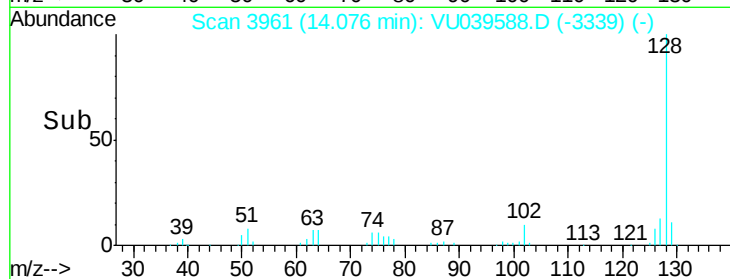
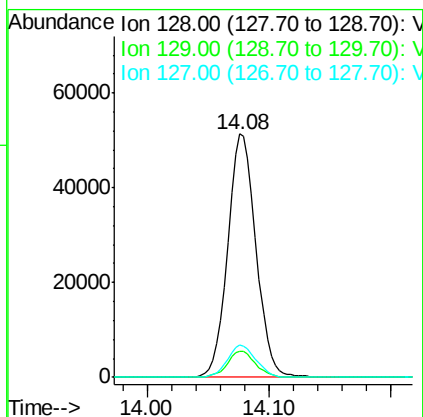
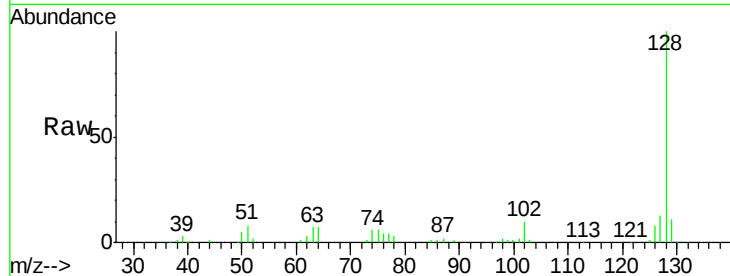




#69
Naphthalene
Concen: 3.647 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion:128 Resp: 83095
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.3 10.6 16.0



#70
1,2,3-Trichlorobenzene
Concen: 4.141 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU039588.D
Acq: 21 Jul 2020 10:07

Tgt Ion:180 Resp: 43990
Ion Ratio Lower Upper
180 100
182 97.5 78.0 117.0
145 35.5 28.4 42.6

