

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039589.D
 Acq On : 21 Jul 2020 10:31
 Operator : SY/MD
 Sample : VSTD01003
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Quant Time: Jul 21 11:02:43 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	125669	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	53249	7.91	ug/L	0.00
7) Chloroethane-d5	1.93	69	57663	8.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	132375	9.62	ug/L	0.00
20) 2-Butanone-d5	4.66	46	268696	86.60	ug/L	0.00
24) Chloroform-d	5.08	84	148943	9.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	94139	9.91	ug/L	0.00
32) Benzene-d6	5.74	84	291024	9.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	93860	9.20	ug/L	0.00
41) Toluene-d8	7.91	98	277898	10.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	44687	9.90	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	222869	86.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	91368	9.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	112395	10.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	63986	8.755 ug/L	96
3) Chloromethane	1.53	50	67397	7.724 ug/L	98
5) Vinyl chloride	1.61	62	73813	7.660 ug/L	97
6) Bromomethane	1.87	94	47771	10.582 ug/L	93
8) Chloroethane	1.94	64	58851	8.213 ug/L	97
9) Trichlorofluoromethane	2.15	101	171589	9.834 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	70510	9.878 ug/L	96
12) 1,1-Dichloroethene	2.59	96	63926	8.927 ug/L	98
13) Acetone	2.66	43	157643	90.045 ug/L	97
14) Carbon disulfide	2.81	76	189486	7.649 ug/L	99
15) Methyl Acetate	2.97	43	38829	8.481 ug/L	96
16) Methylene chloride	3.06	84	78827	8.623 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	208563	9.101 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	71570	8.960 ug/L	95
19) 1,1-Dichloroethane	3.89	63	143837	9.006 ug/L	99
21) 2-Butanone	4.74	43	280295	90.281 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	82098	9.042 ug/L	100
23) Bromochloromethane	5.00	128	38978	9.468 ug/L	98
25) Chloroform	5.11	83	159950	9.828 ug/L	99
27) 1,2-Dichloroethane	5.81	62	115641	9.888 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	140467	9.615 ug/L	98
30) Cyclohexane	5.41	56	125151	8.461 ug/L	96
31) Carbon tetrachloride	5.55	117	117460	9.456 ug/L	98
33) Benzene	5.79	78	323613	8.878 ug/L	100
34) Trichloroethene	6.56	95	87032	9.202 ug/L	97
35) Methylcyclohexane	6.78	83	133085	8.937 ug/L	99
37) 1,2-Dichloropropane	6.81	63	89456	8.992 ug/L	100
38) Bromodichloromethane	7.12	83	122663	9.599 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	136260	9.097 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	725547	88.077 ug/L	100

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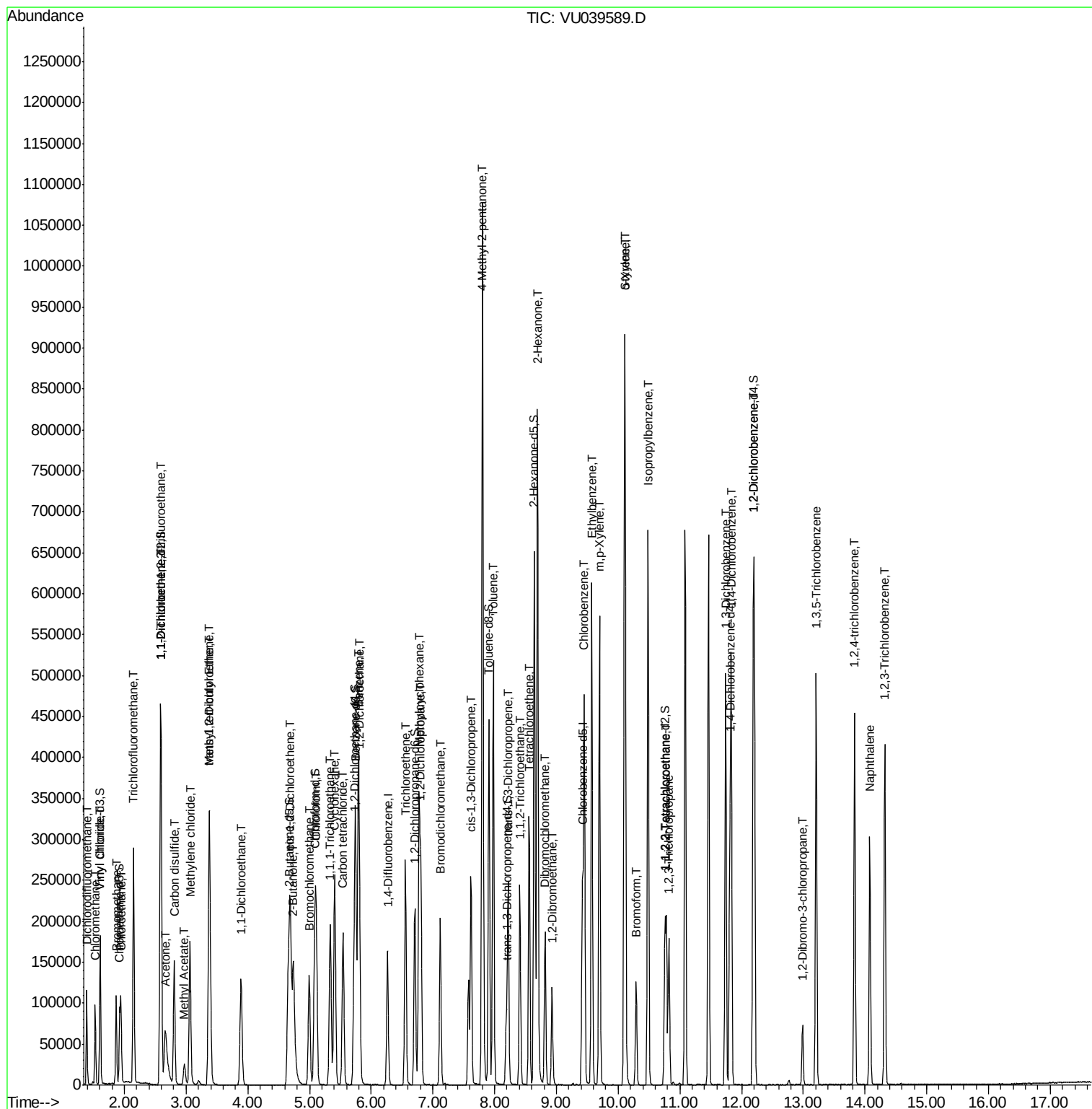
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	360306	9.191	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	125882	9.474	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	70781	9.878	ug/L	95
47) Tetrachloroethene	8.56	164	62817	9.478	ug/L	93
48) 2-Hexanone	8.69	43	538029	88.820	ug/L	99
49) Dibromochloromethane	8.82	129	86745	9.912	ug/L	100
50) 1,2-Dibromoethane	8.93	107	69654	9.594	ug/L	96
51) Chlorobenzene	9.45	112	229376	9.505	ug/L	99
52) Ethylbenzene	9.57	91	412949	9.487	ug/L	99
53) m,p-Xylene	9.70	106	153366	9.339	ug/L	95
54) o-Xylene	10.10	106	151469	9.449	ug/L	97
55) Styrene	10.11	104	262777	9.414	ug/L	100
56) Isopropylbenzene	10.48	105	416365	9.593	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	92051	9.205	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	67931	9.177	ug/L	98
61) Bromoform	10.29	173	52016	9.949	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	185115	9.466	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	187040	9.512	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	182910	9.348	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	16948	9.914	ug/L #	86
67) 1,3,5-Trichlorobenzene	13.21	180	138242	9.453	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	122300	9.880	ug/L	97
69) Naphthalene	14.08	128	228018	9.344	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	112090	9.851	ug/L	96

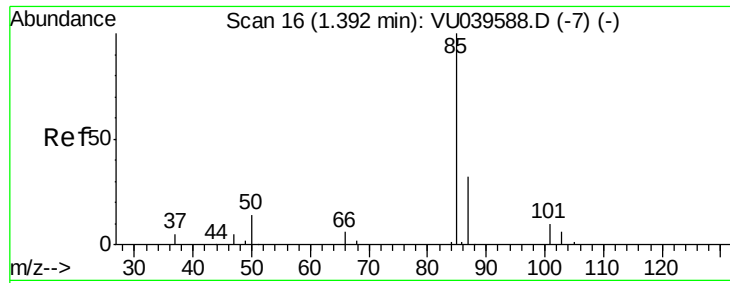
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.755 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

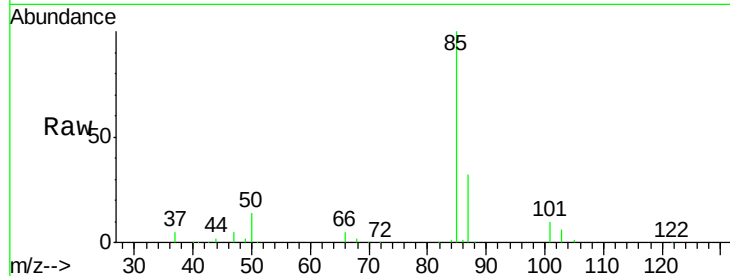
VSTD01003

Tgt Ion: 85 Resp: 63986

Ion Ratio Lower Upper

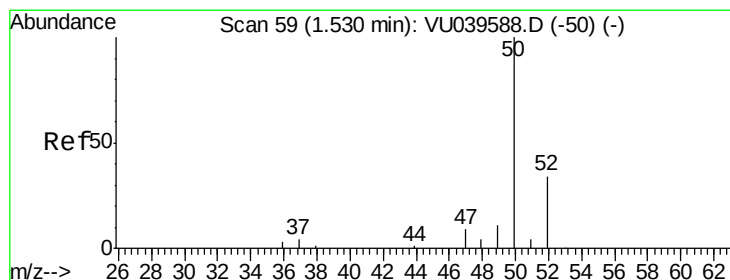
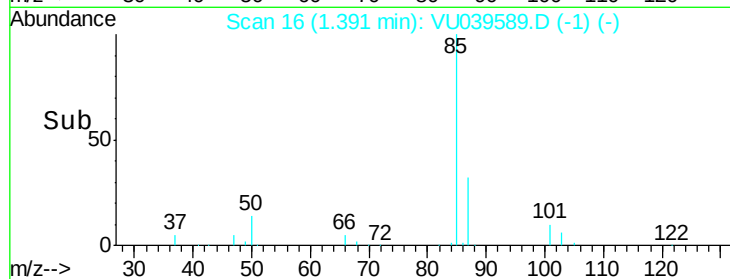
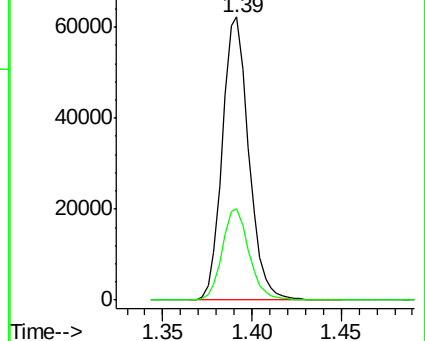
85 100

87 32.6 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) (-)



#3

Chloromethane

Concen: 7.724 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039589.D

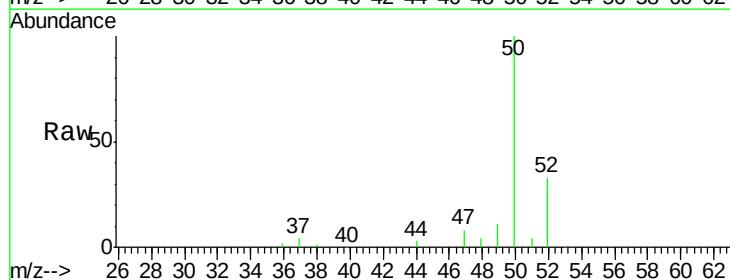
Acq: 21 Jul 2020 10:31

Tgt Ion: 50 Resp: 67397

Ion Ratio Lower Upper

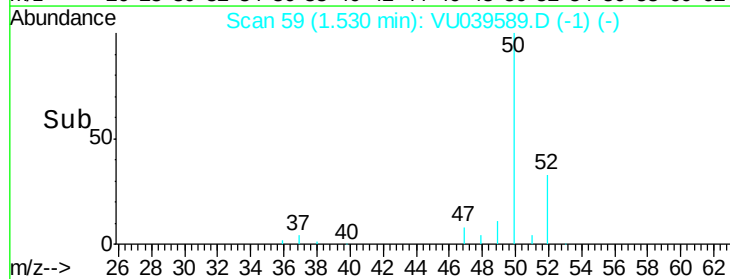
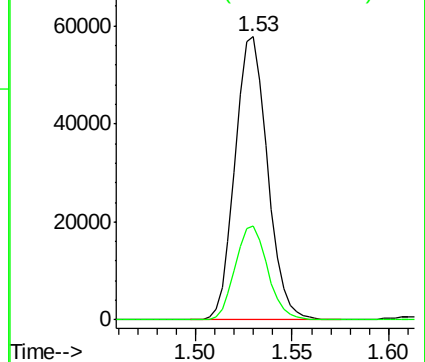
50 100

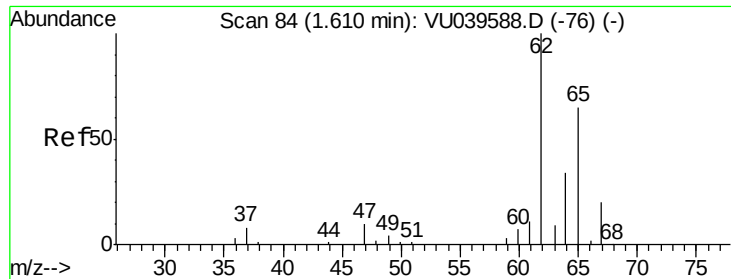
52 33.1 23.9 44.5



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

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





#5

Vinyl chloride

Concen: 7.660 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

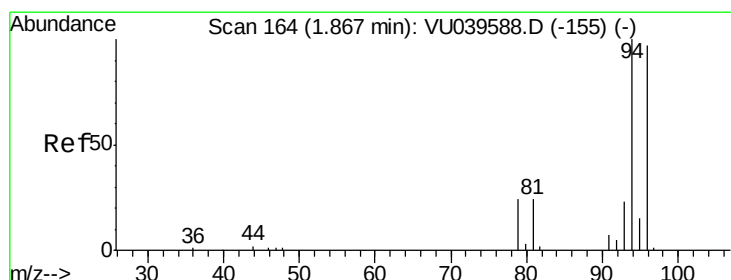
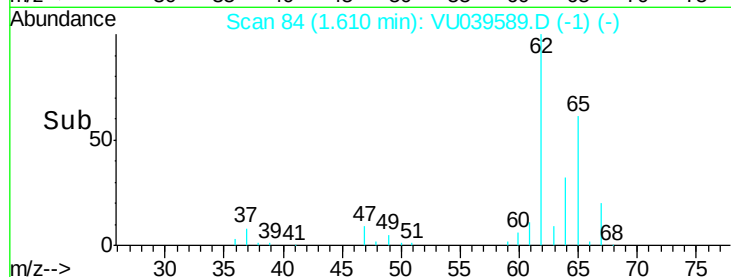
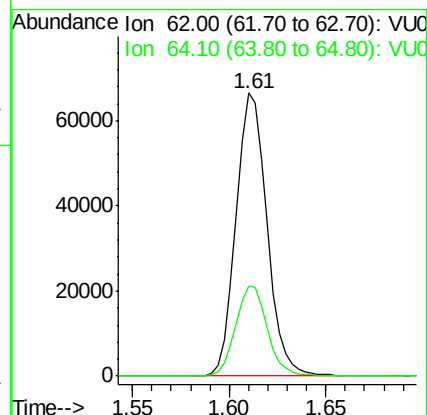
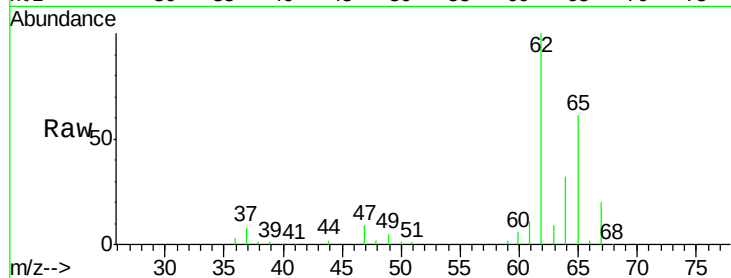
VSTD01003

Tgt Ion: 62 Resp: 73813

Ion Ratio Lower Upper

62 100

64 32.0 23.4 43.6



#6

Bromomethane

Concen: 10.582 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039589.D

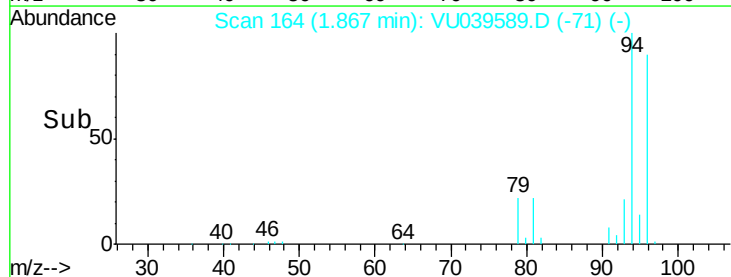
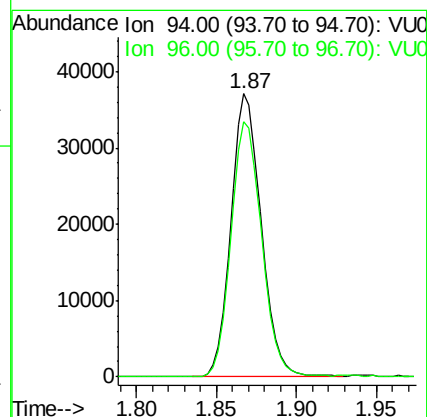
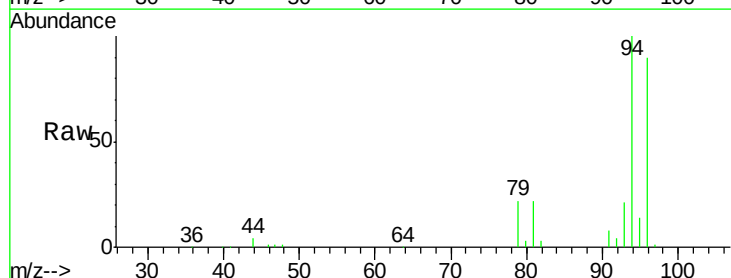
Acq: 21 Jul 2020 10:31

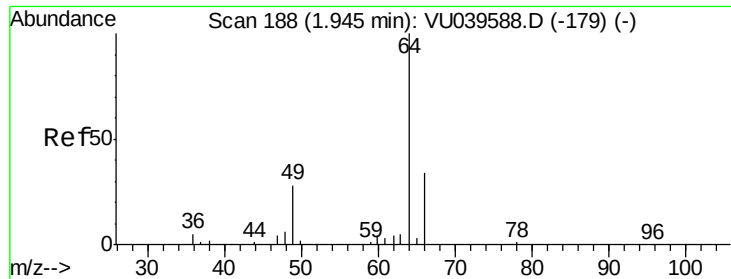
Tgt Ion: 94 Resp: 47771

Ion Ratio Lower Upper

94 100

96 89.9 68.0 126.2

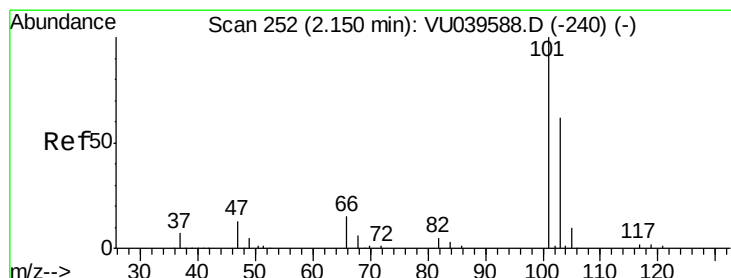
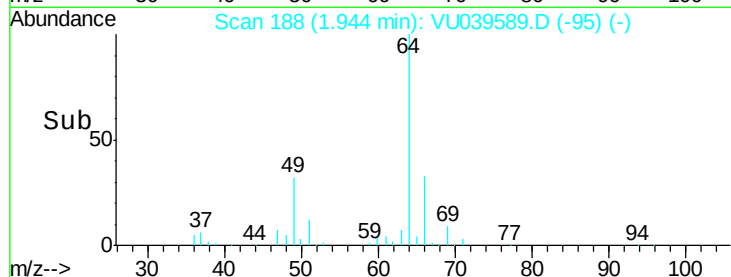
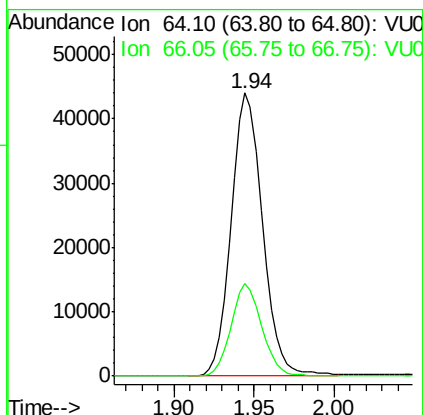
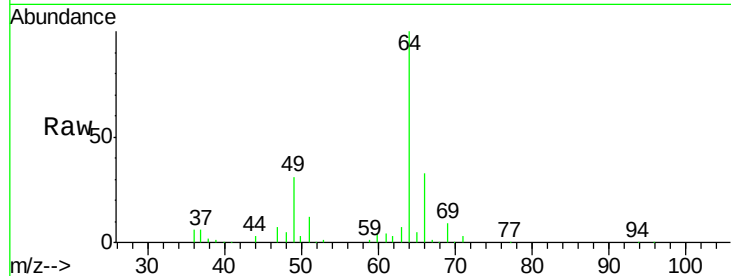




#8
Chloroethane
Concen: 8.213 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

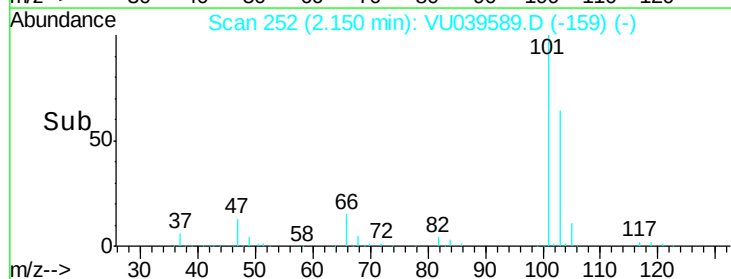
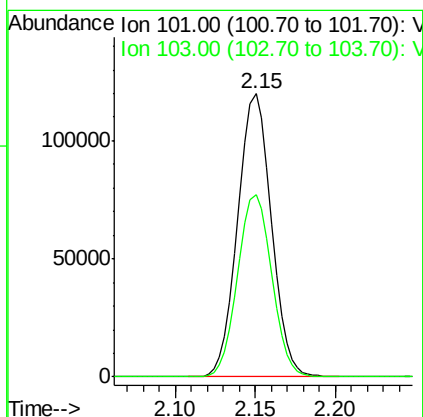
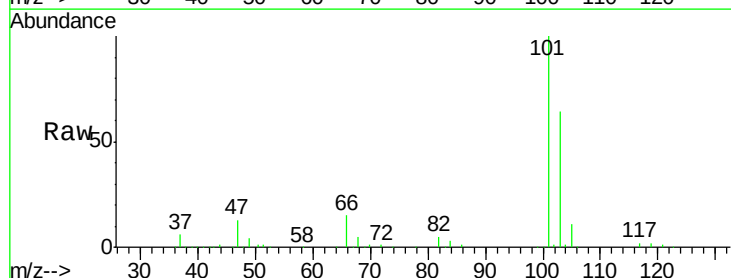
Instrument :
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VSTD01003

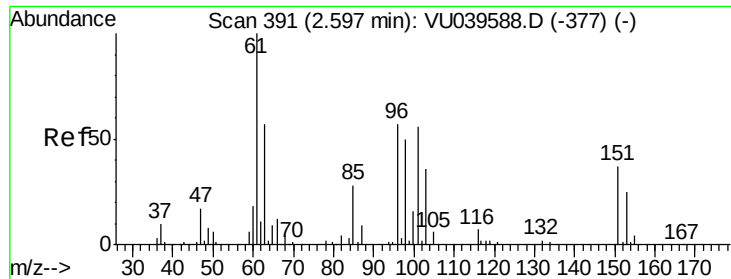
Tgt Ion: 64 Resp: 58851
Ion Ratio Lower Upper
64 100
66 32.7 24.0 44.6



#9
Trichlorofluoromethane
Concen: 9.834 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion: 101 Resp: 171589
Ion Ratio Lower Upper
101 100
103 65.4 50.6 75.8





#10

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

Concen: 9.878 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

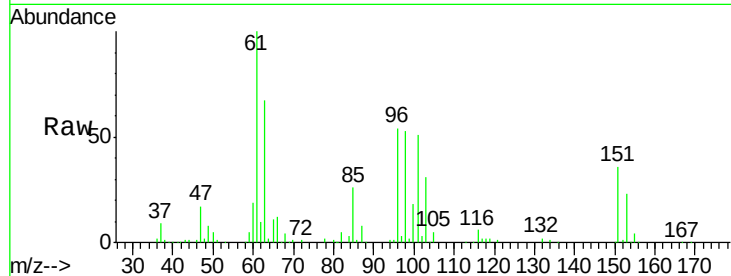
Tgt Ion:101 Resp: 70510

Ion Ratio Lower Upper

101 100

85 48.7 38.7 58.1

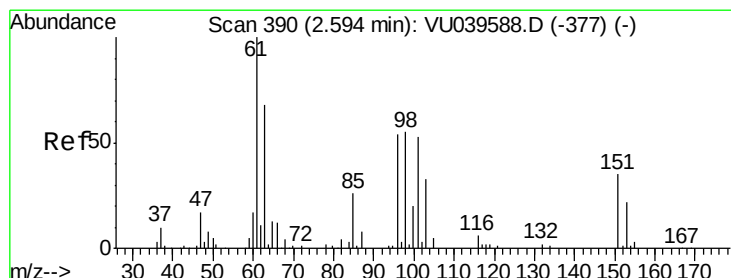
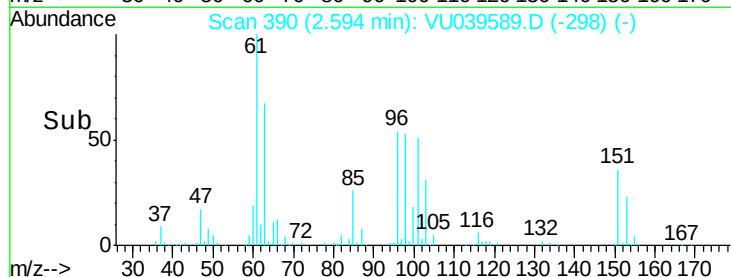
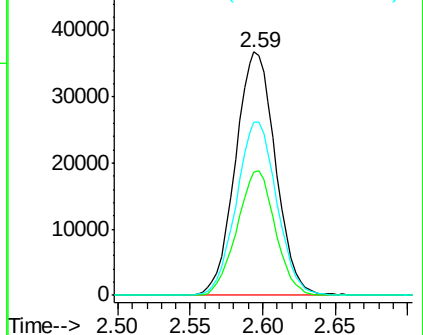
151 71.7 53.4 80.2



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: 8.927 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

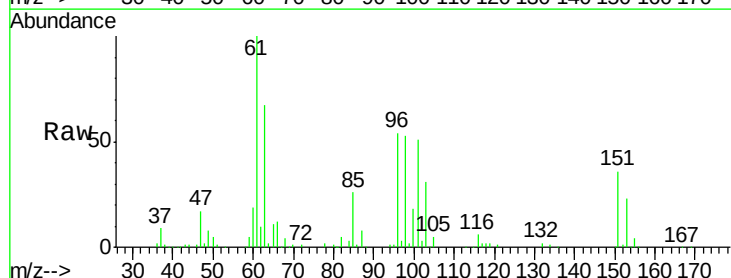
Tgt Ion: 96 Resp: 63926

Ion Ratio Lower Upper

96 100

61 185.7 129.1 239.7

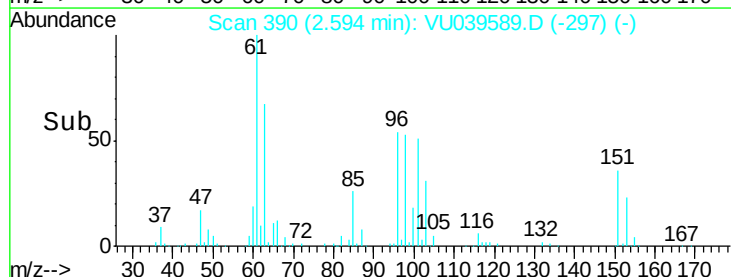
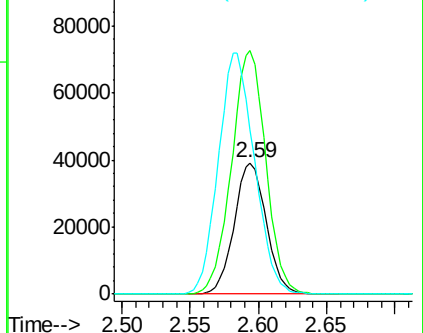
63 124.9 89.7 166.7

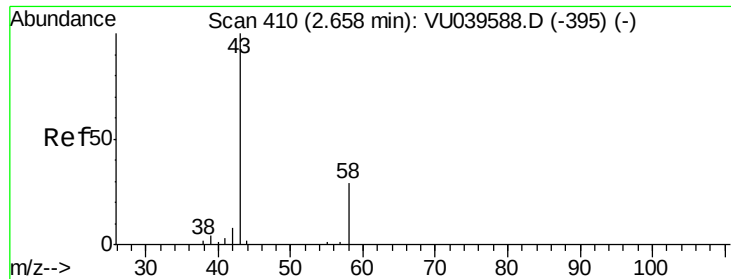


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.045 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

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ClientSampleId :

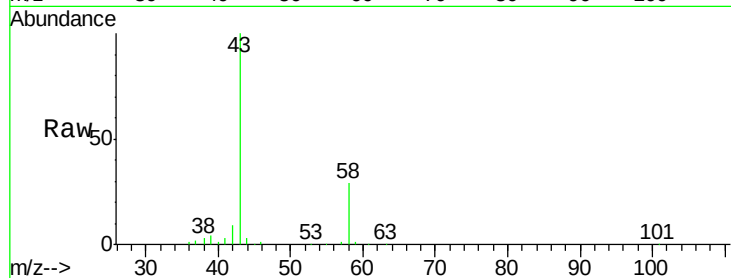
VSTD01003

Tgt Ion: 43 Resp: 157643

Ion Ratio Lower Upper

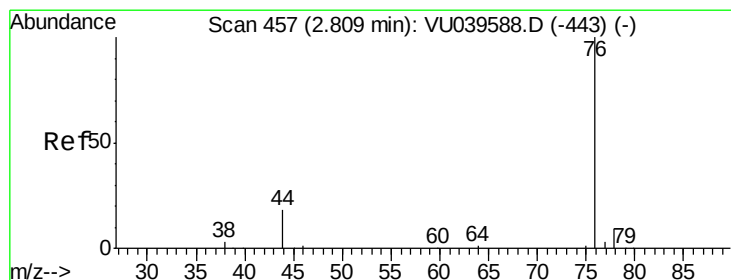
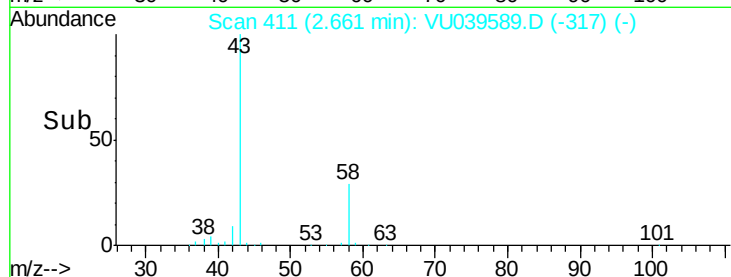
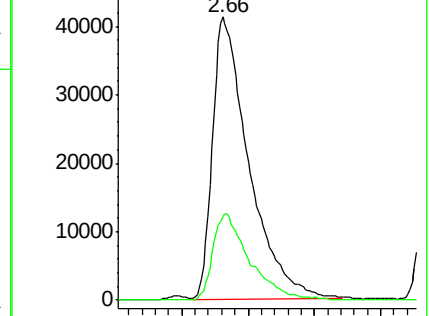
43 100

58 30.9 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 7.649 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039589.D

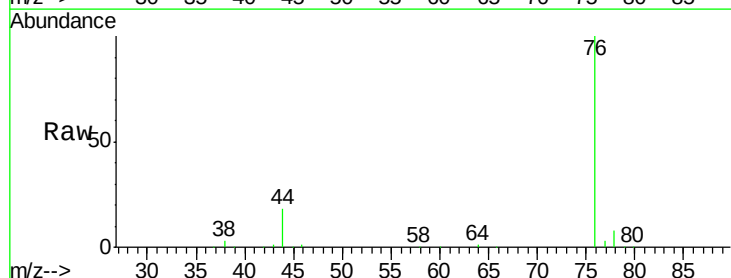
Acq: 21 Jul 2020 10:31

Tgt Ion: 76 Resp: 189486

Ion Ratio Lower Upper

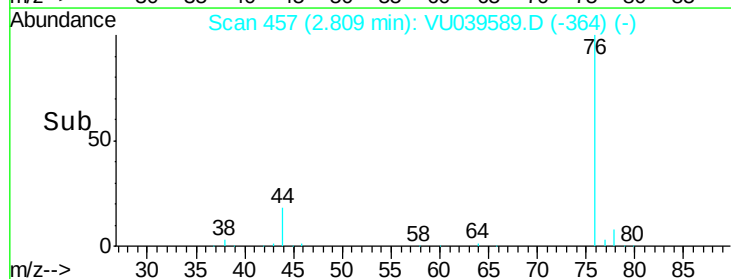
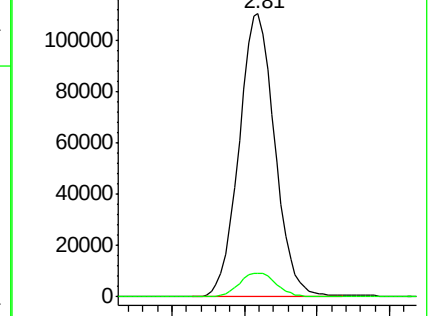
76 100

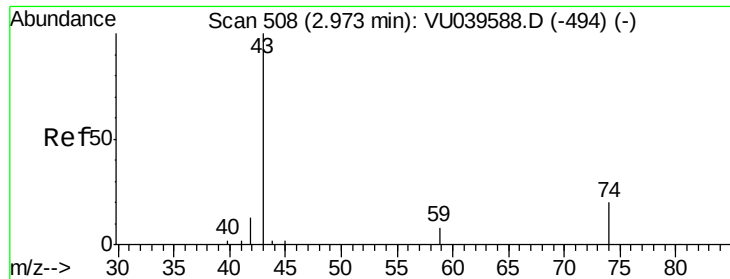
78 8.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 8.481 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

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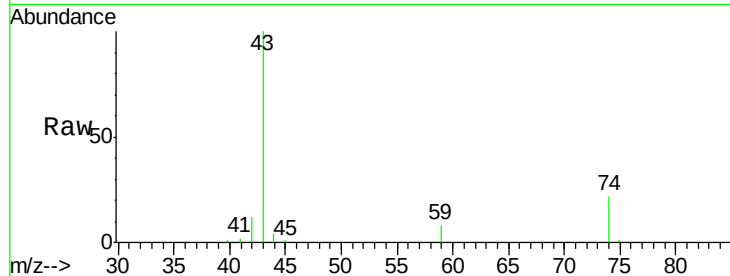
VSTD01003

Tgt Ion: 43 Resp: 38829

Ion Ratio Lower Upper

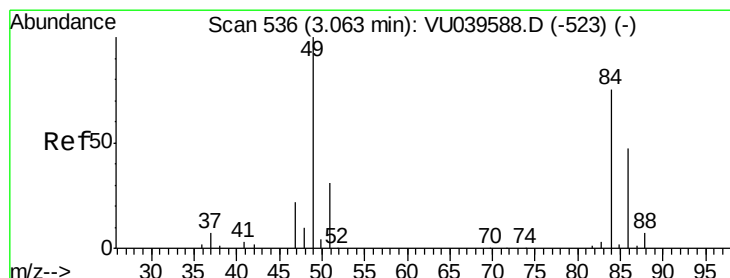
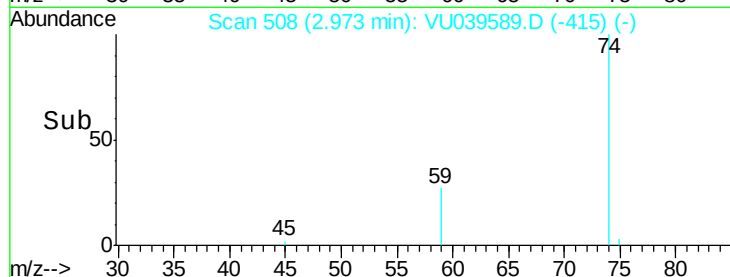
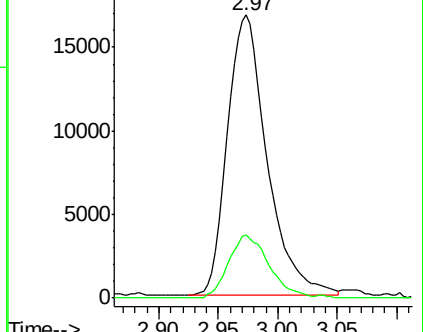
43 100

74 22.7 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU039589.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VU039589.D (-415) (-)



#16

Methylene chloride

Concen: 8.623 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

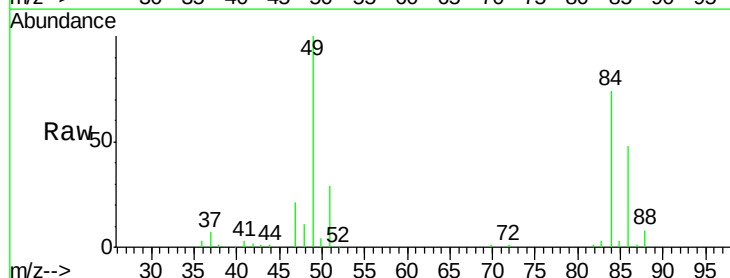
Tgt Ion: 84 Resp: 78827

Ion Ratio Lower Upper

84 100

86 64.3 43.8 81.4

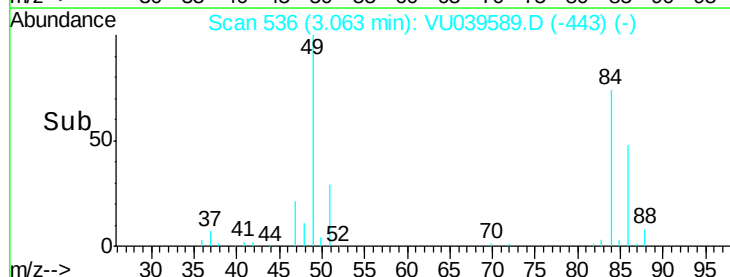
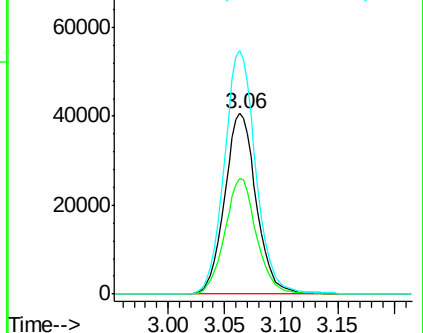
49 134.7 92.7 172.3

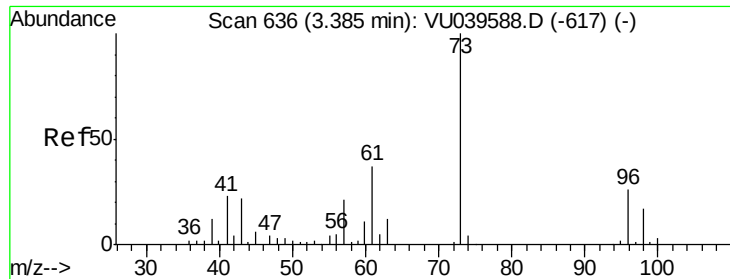


Abundance Ion 84.05 (83.75 to 84.75): VU039589.D (-443) (-)

Ion 86.00 (85.70 to 86.70): VU039589.D (-443) (-)

Ion 49.10 (48.80 to 49.80): VU039589.D (-443) (-)

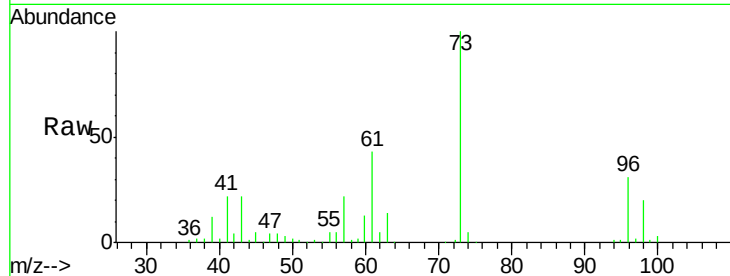




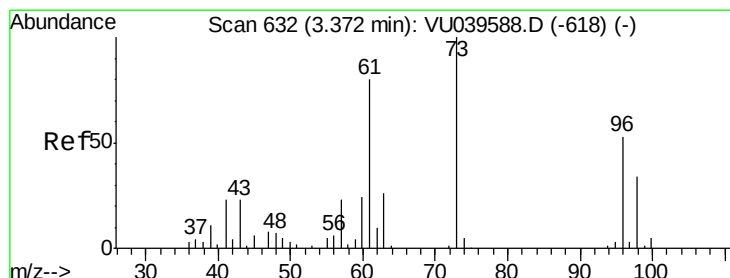
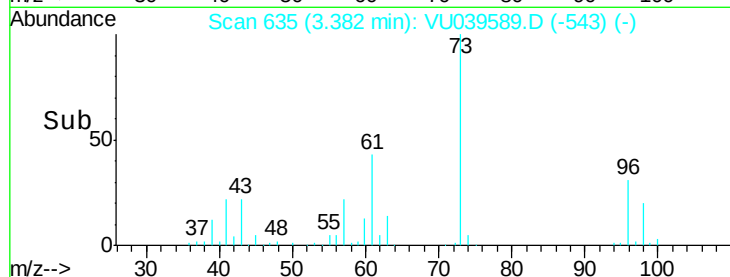
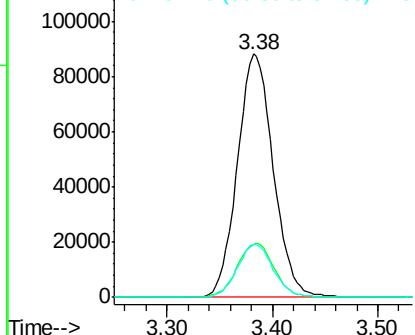
#17
Methyl tert-butyl Ether
Concen: 9.101 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 73 Resp: 208563
Ion Ratio Lower Upper
73 100
43 23.1 18.2 27.4
57 21.9 17.9 26.9

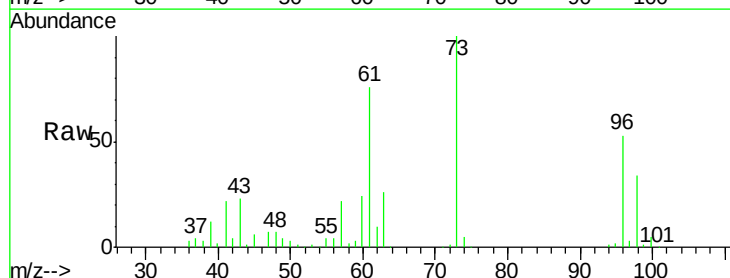


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

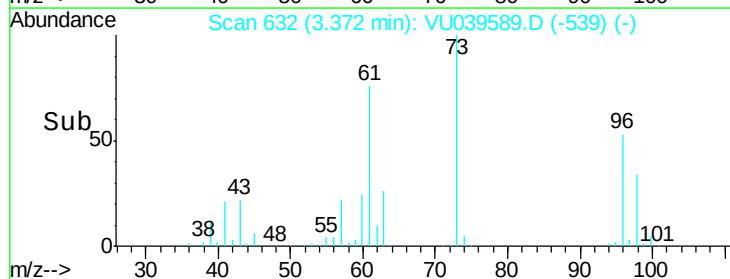
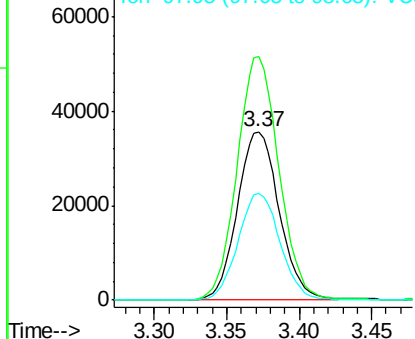


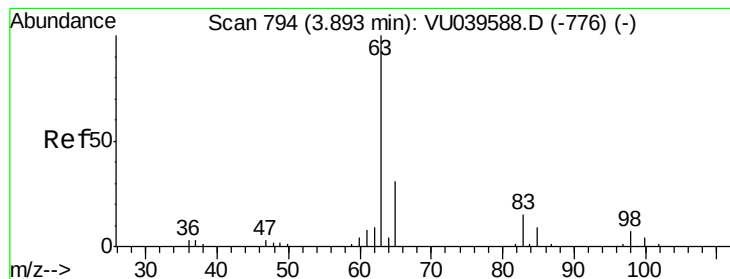
#18
trans-1,2-Dichloroethene
Concen: 8.960 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion: 96 Resp: 71570
Ion Ratio Lower Upper
96 100
61 144.5 106.5 197.9
98 63.5 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: 9.006 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

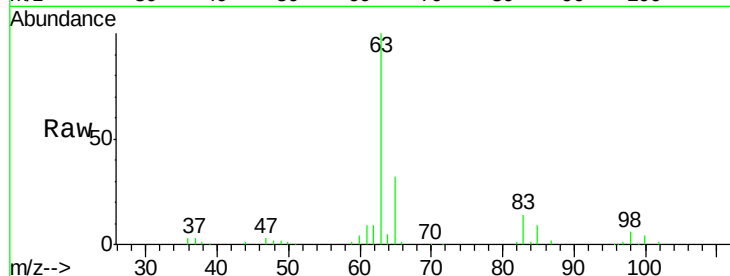
Tgt Ion: 63 Resp: 143837

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

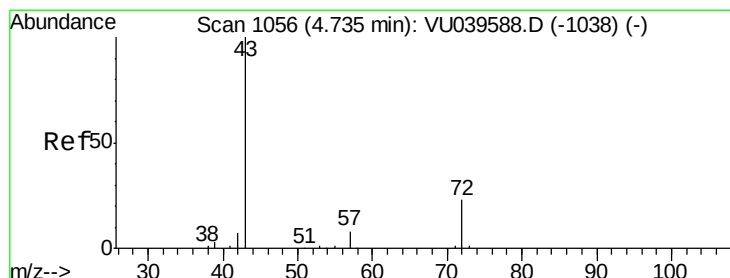
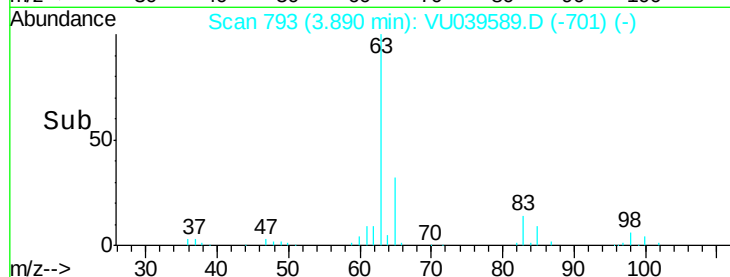
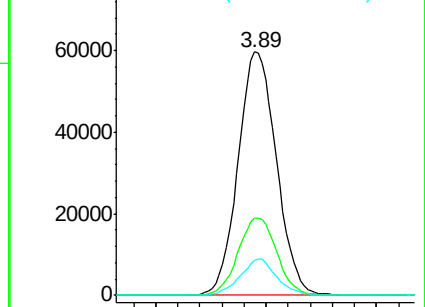
83 14.3 10.2 19.0



Abundance Ion 63.10 (62.80 to 63.80): VU039589.D (-793) (-)

Ion 65.10 (64.80 to 65.80): VU039589.D (-793) (-)

Ion 83.05 (82.75 to 83.75): VU039589.D (-793) (-)



#21

2-Butanone

Concen: 90.281 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU039589.D

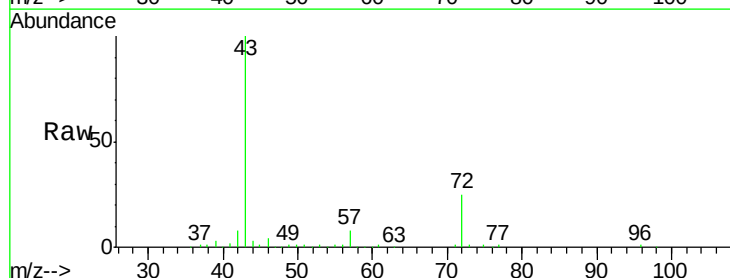
Acq: 21 Jul 2020 10:31

Tgt Ion: 43 Resp: 280295

Ion Ratio Lower Upper

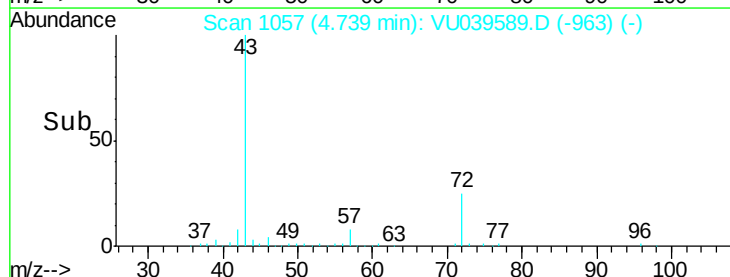
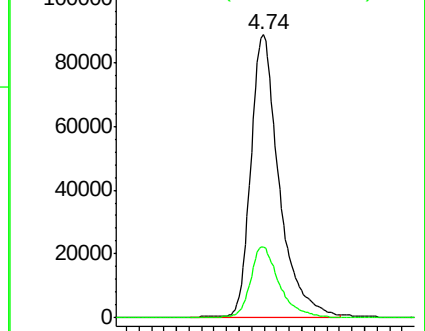
43 100

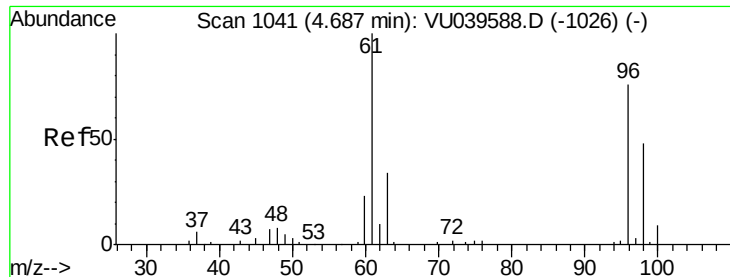
72 25.6 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU039589.D (-1057) (-)

Ion 72.10 (71.80 to 72.80): VU039589.D (-1057) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.042 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

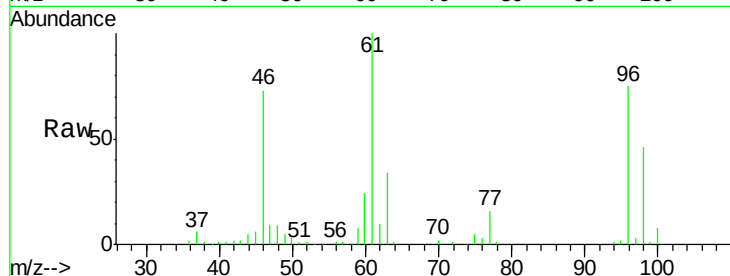
Tgt Ion: 96 Resp: 82098

Ion Ratio Lower Upper

96 100

61 133.3 93.0 172.8

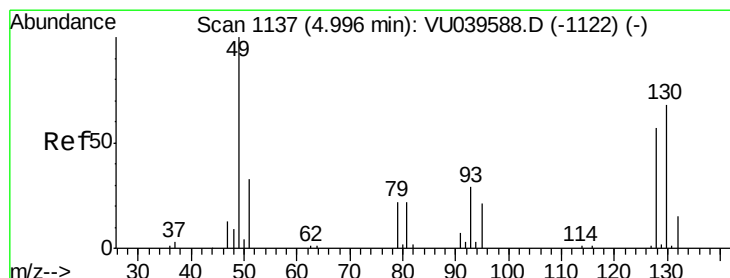
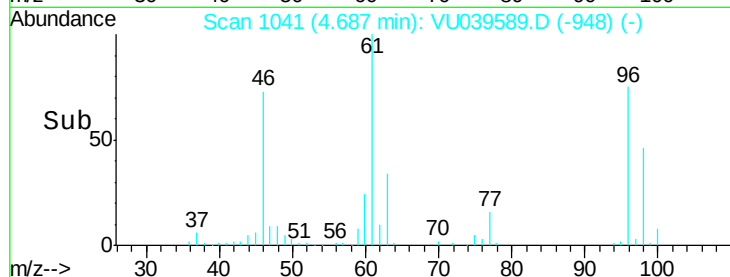
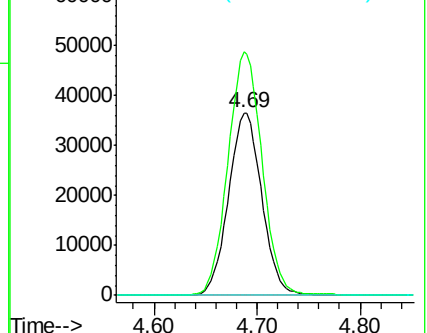
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039589.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU039589.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU039589.D (-1044) (-)



#23

Bromochloromethane

Concen: 9.468 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Tgt Ion: 128 Resp: 38978

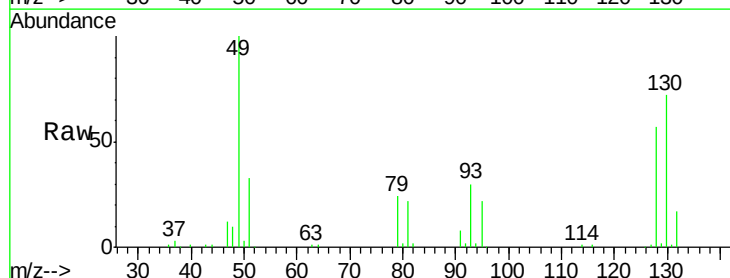
Ion Ratio Lower Upper

128 100

49 175.4 123.1 228.7

130 125.8 83.2 154.4

51 58.0 46.2 69.2

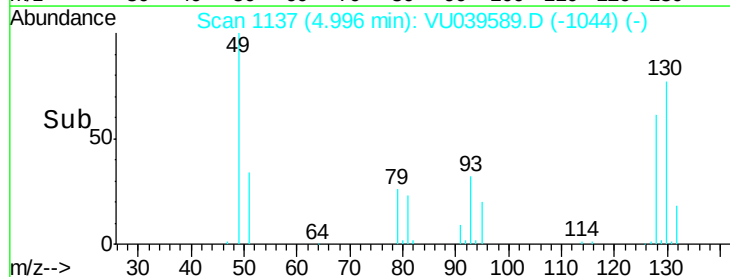
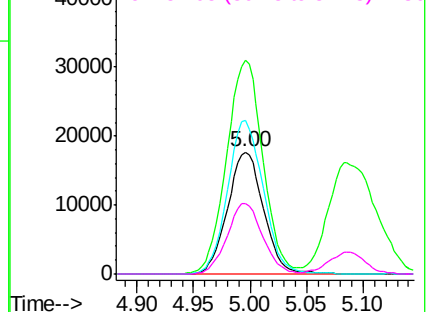


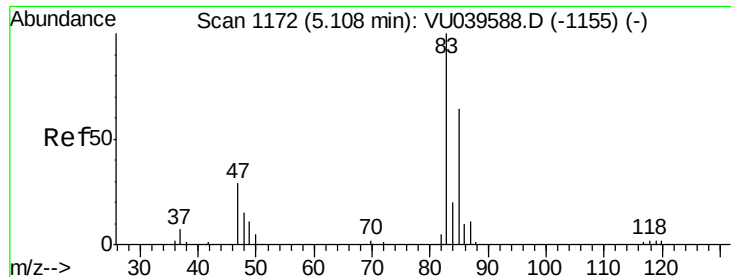
Abundance Ion 127.90 (127.60 to 128.60): VU039589.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039589.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039589.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039589.D (-1044) (-)

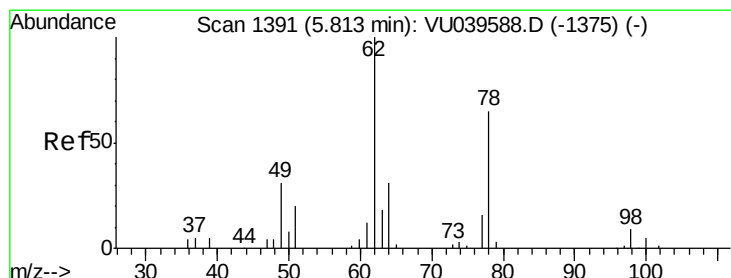
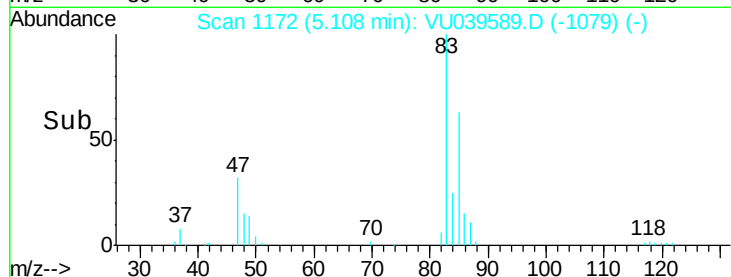
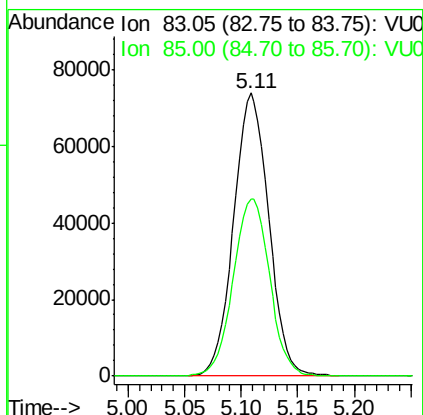
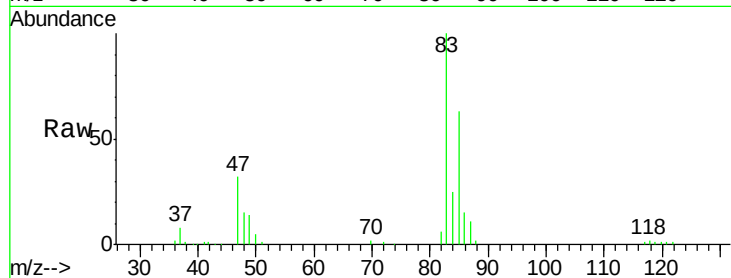




#25
Chloroform
Concen: 9.828 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

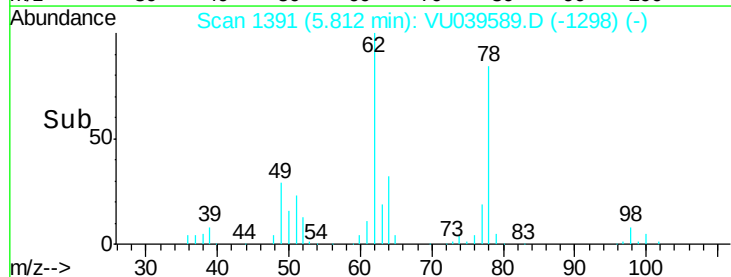
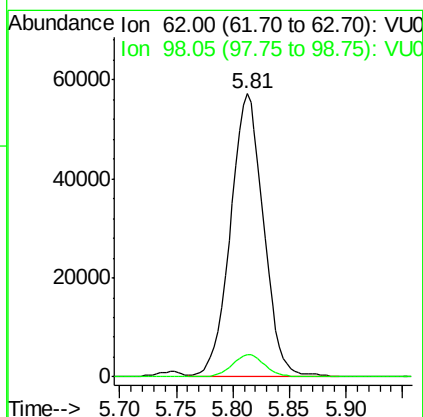
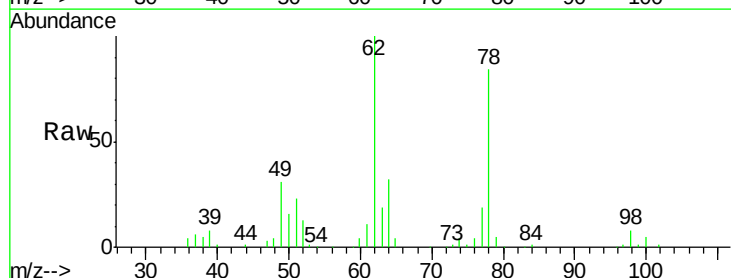
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

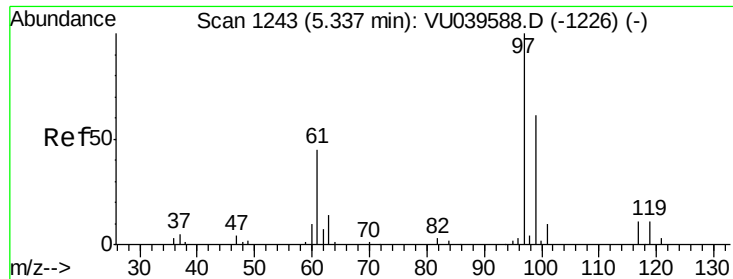
Tgt Ion: 83 Resp: 159950
Ion Ratio Lower Upper
83 100
85 62.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 9.888 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion: 62 Resp: 115641
Ion Ratio Lower Upper
62 100
98 7.8 6.7 10.1

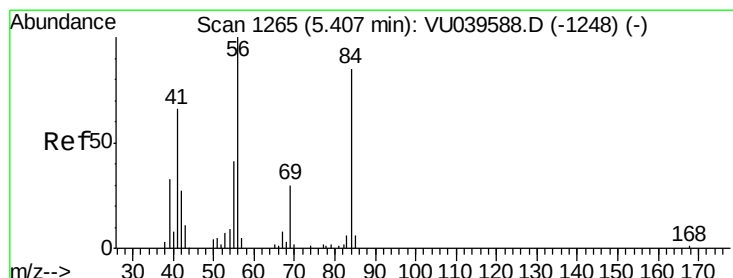
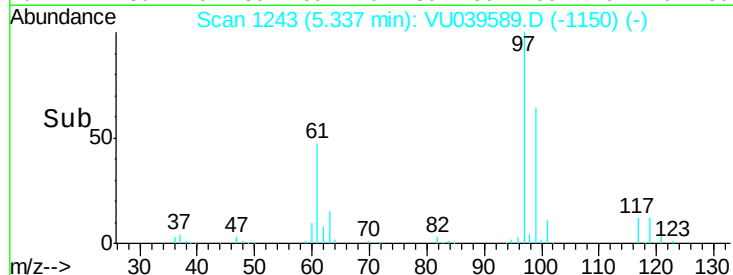
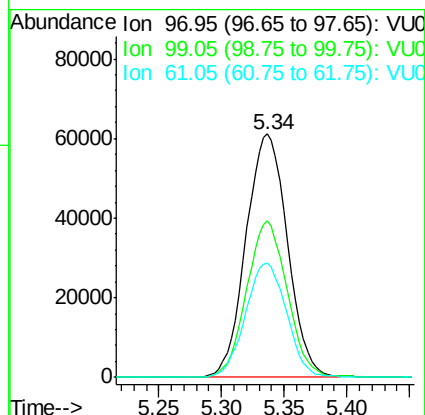
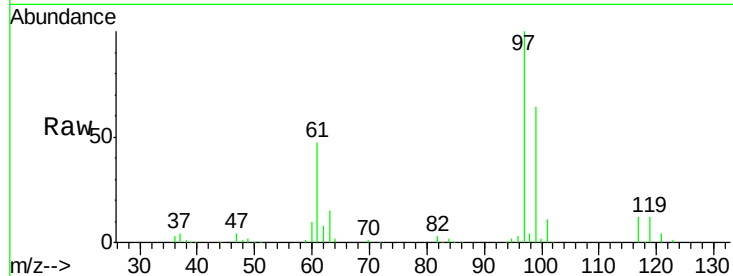




#29
 1,1,1-Trichloroethane
 Concen: 9.615 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

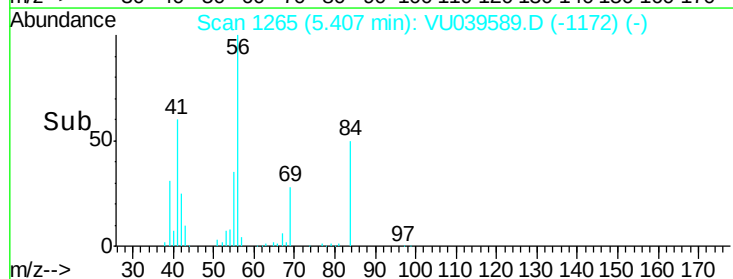
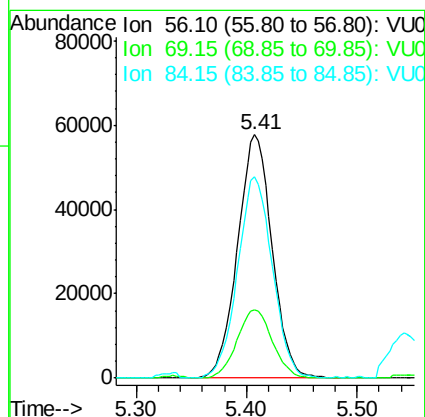
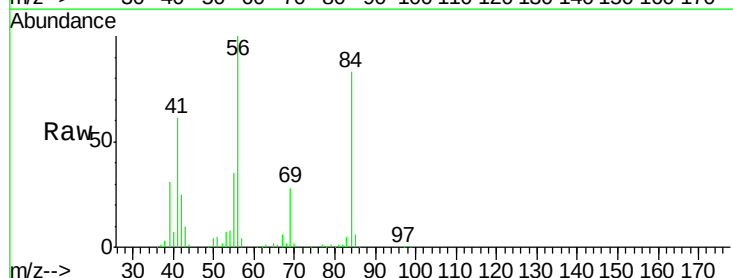
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

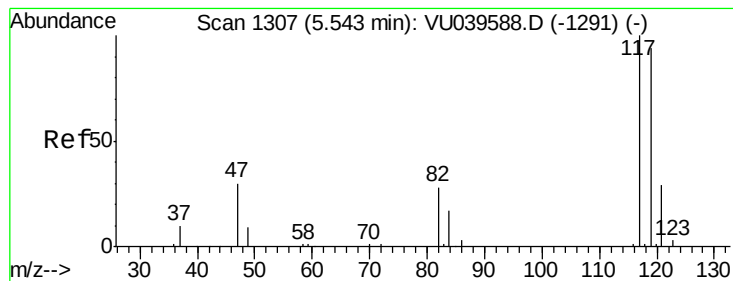
Tgt Ion: 97 Resp: 140467
 Ion Ratio Lower Upper
 97 100
 99 62.8 49.5 74.3
 61 46.6 38.8 58.2



#30
 Cyclohexane
 Concen: 8.461 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Tgt Ion: 56 Resp: 125151
 Ion Ratio Lower Upper
 56 100
 69 28.8 24.0 36.0
 84 83.5 69.8 104.6





#31

Carbon tetrachloride

Concen: 9.456 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

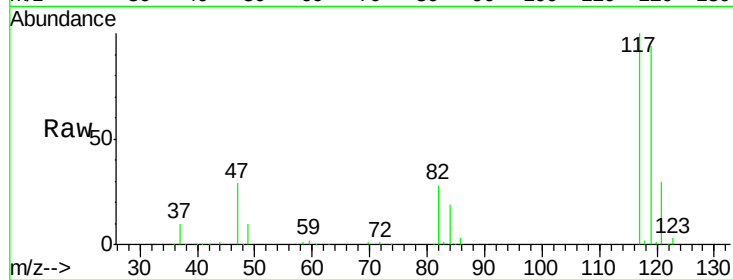
VSTD01003

Tgt Ion:117 Resp: 117460

Ion Ratio Lower Upper

117 100

119 96.6 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.55

60000

50000

40000

30000

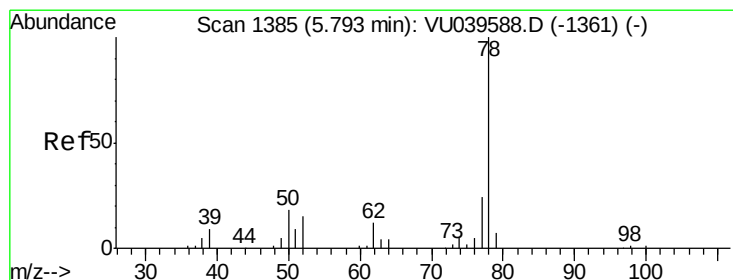
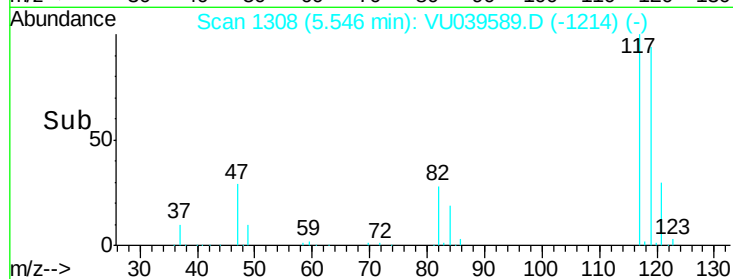
20000

10000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 8.878 ug/L

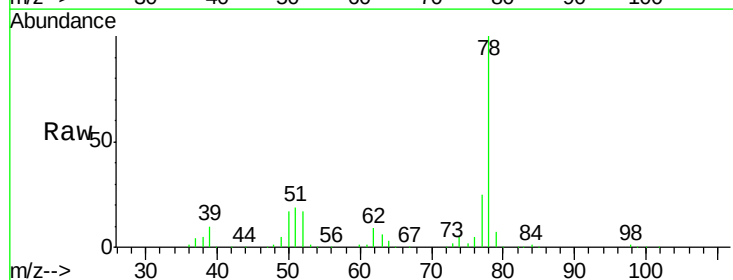
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Tgt Ion: 78 Resp: 323613



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

150000

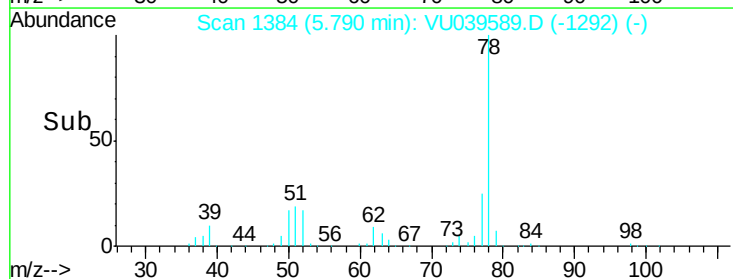
100000

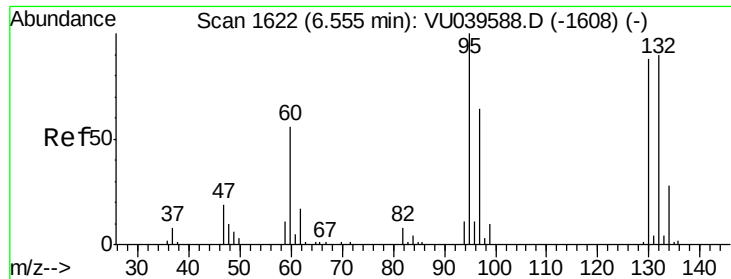
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 9.202 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 95 Resp: 87032

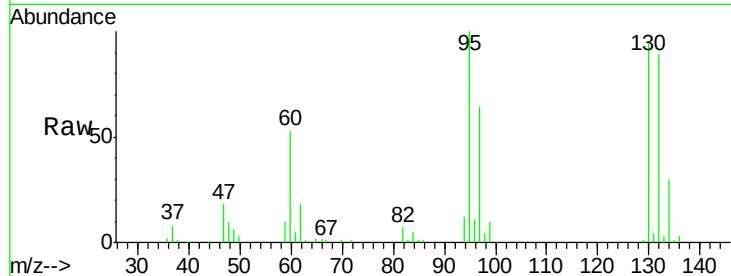
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.3

132 89.5 62.8 116.6

130 93.9 61.5 114.1

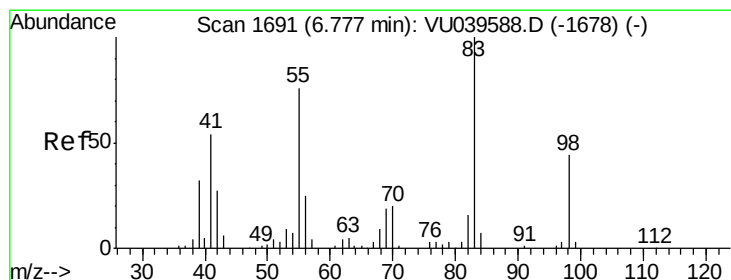
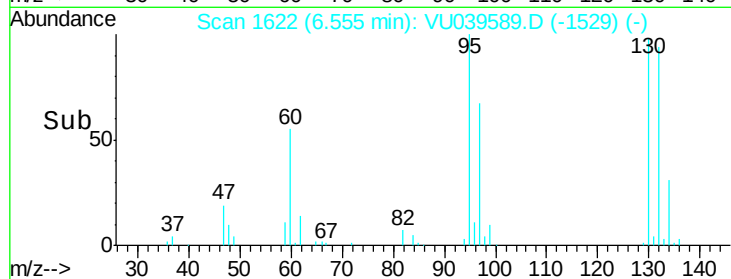
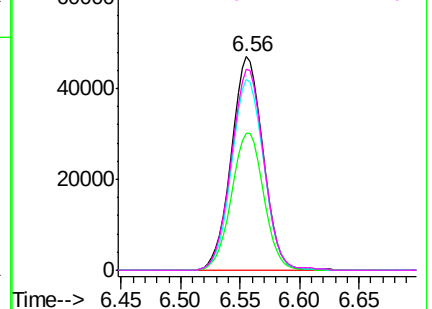


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.937 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

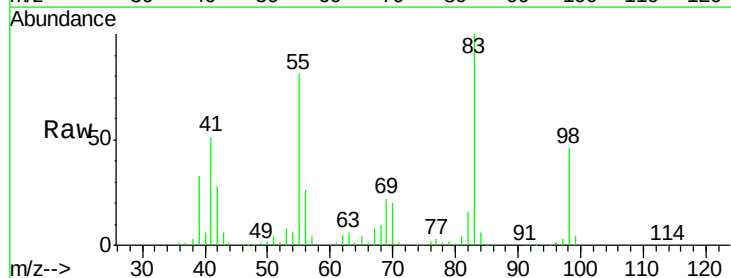
Tgt Ion: 83 Resp: 133085

Ion Ratio Lower Upper

83 100

55 79.9 63.0 94.6

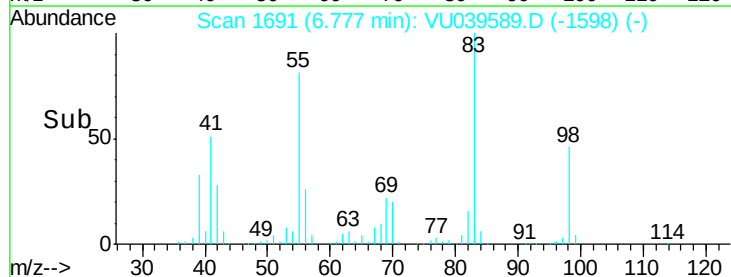
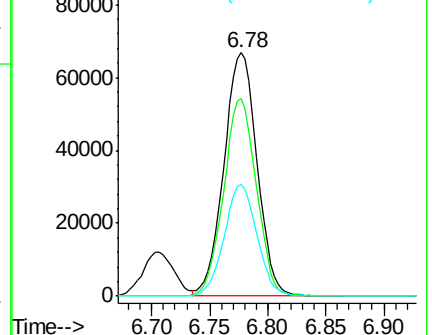
98 44.9 35.3 52.9

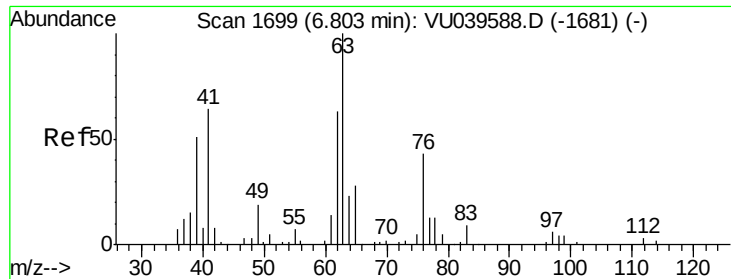


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

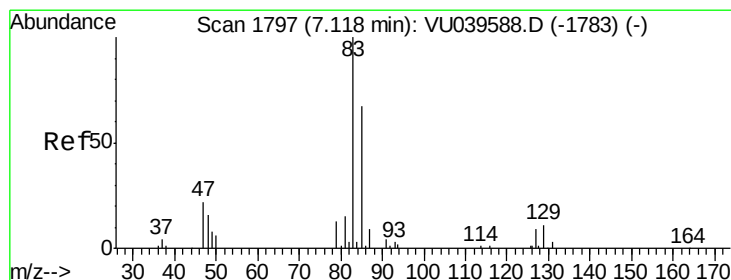
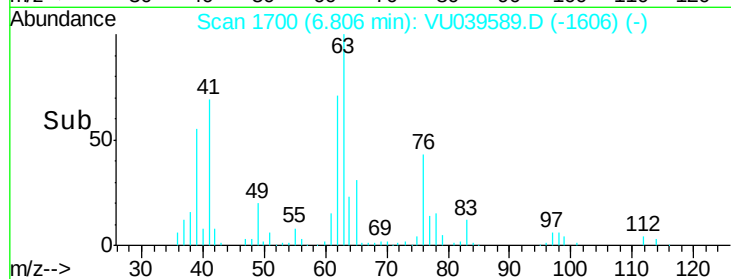
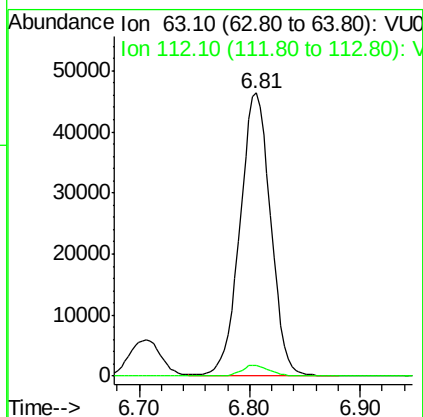
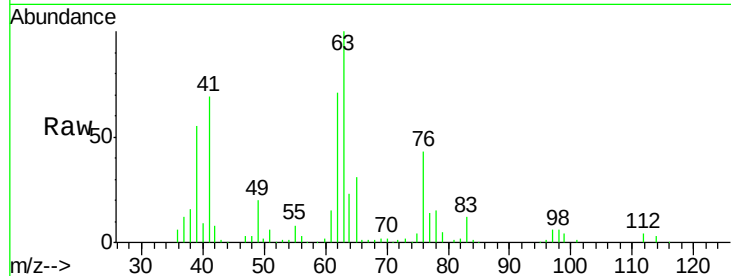




#37
 1,2-Dichloropropane
 Concen: 8.992 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

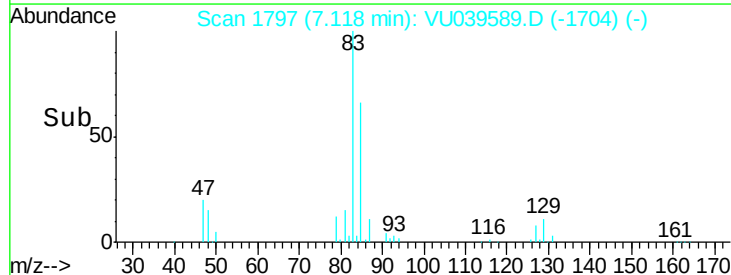
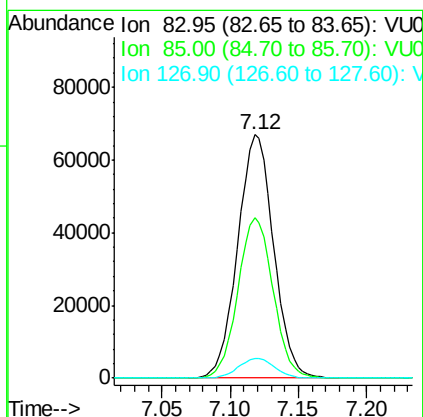
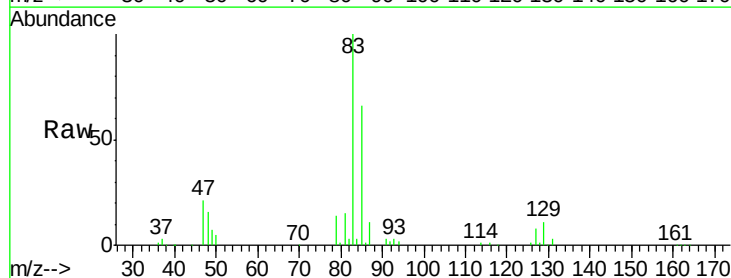
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

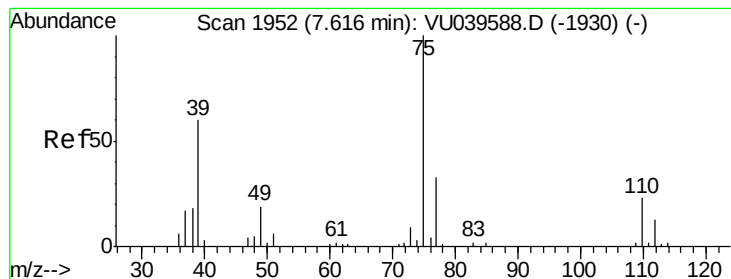
Tgt Ion: 63 Resp: 89456
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.7 4.1



#38
 Bromodichloromethane
 Concen: 9.599 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Tgt Ion: 83 Resp: 122663
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.6 86.6
 127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 9.097 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

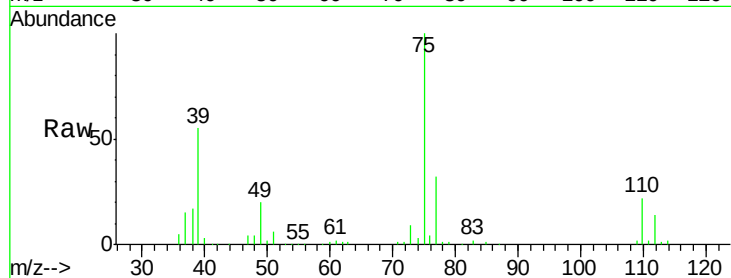
VSTD01003

Tgt Ion: 75 Resp: 136260

Ion Ratio Lower Upper

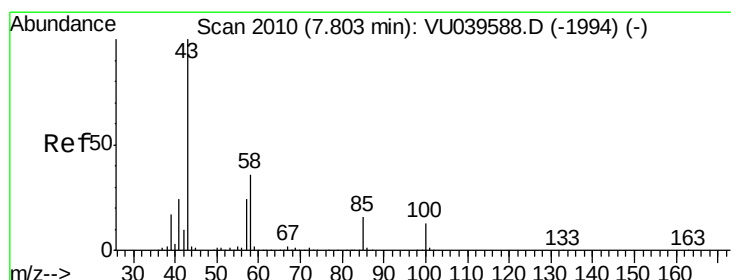
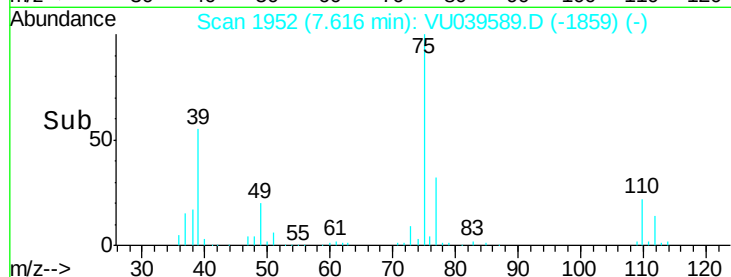
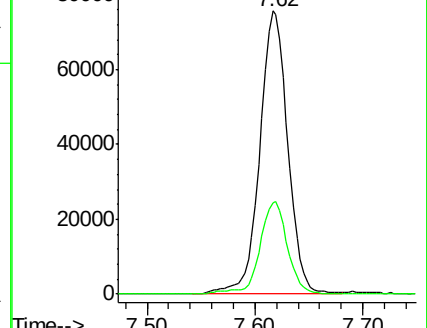
75 100

77 32.5 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 88.077 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

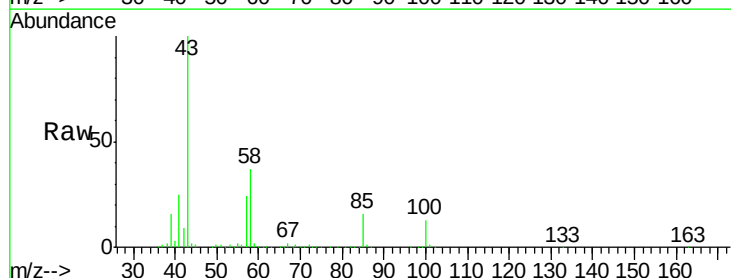
Tgt Ion: 43 Resp: 725547

Ion Ratio Lower Upper

43 100

58 36.6 29.2 43.8

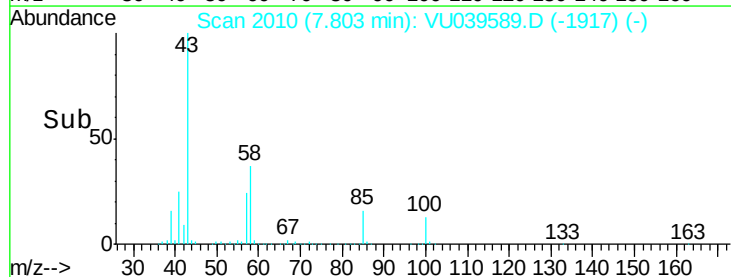
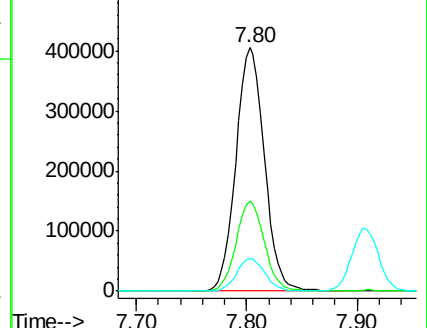
100 13.2 10.5 15.7

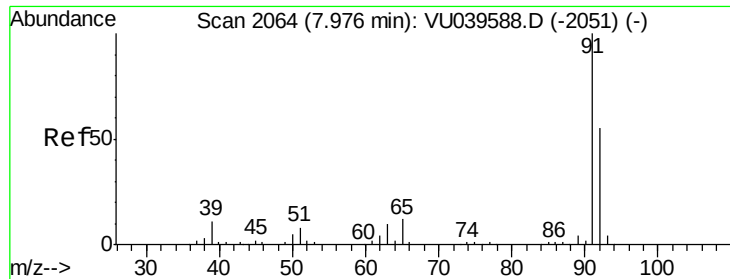


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 9.191 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

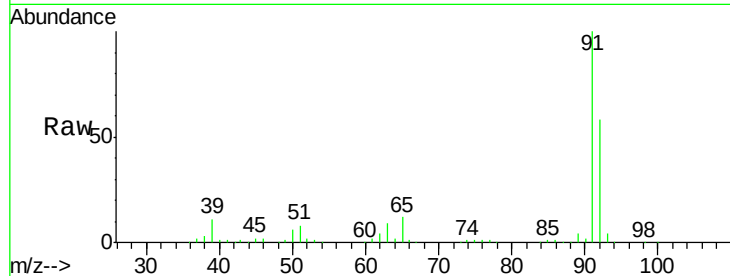
VSTD01003

Tgt Ion: 91 Resp: 360306

Ion Ratio Lower Upper

91 100

92 57.7 38.6 71.6



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

Ion 92.15 (91.85 to 92.85): VU039589.D (-1971) (-)

7.98

250000

200000

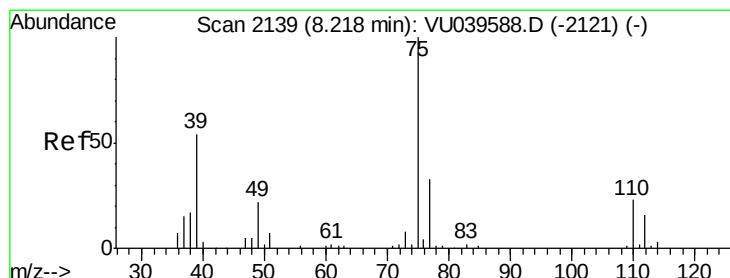
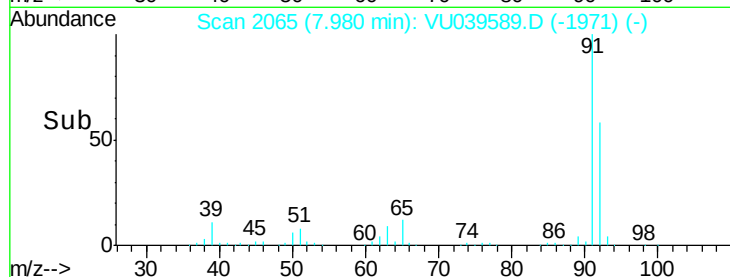
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.474 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039589.D

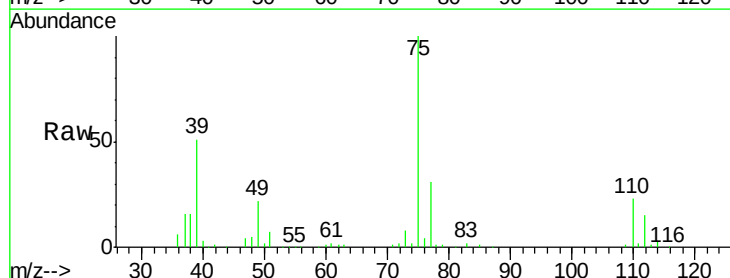
Acq: 21 Jul 2020 10:31

Tgt Ion: 75 Resp: 125882

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.3



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

Ion 77.05 (76.75 to 77.75): VU039589.D (-2046) (-)

8.22

80000

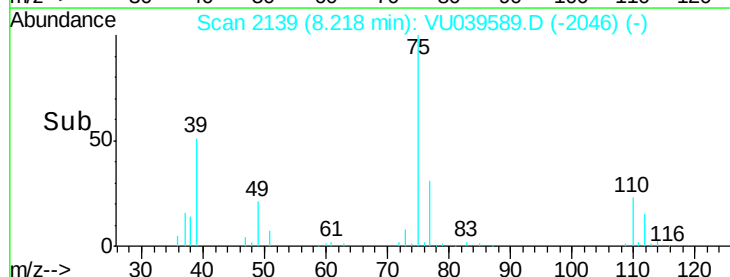
60000

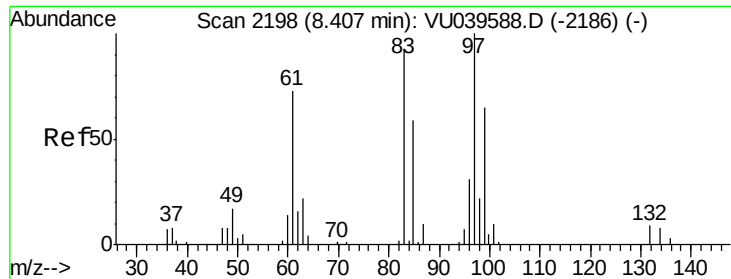
40000

20000

0

Time-->

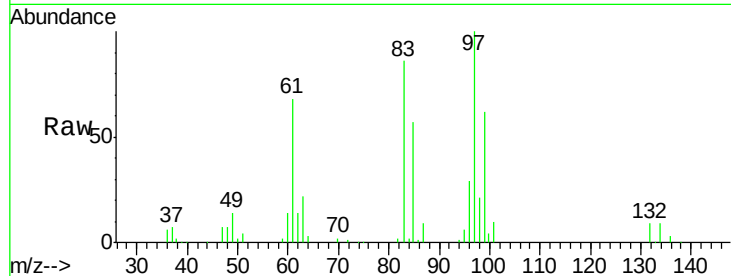




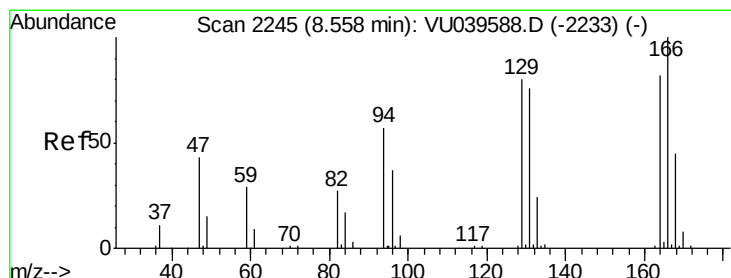
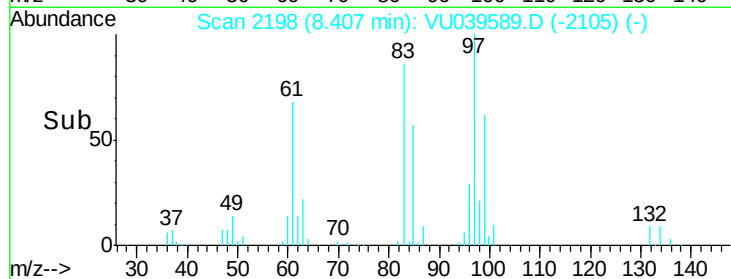
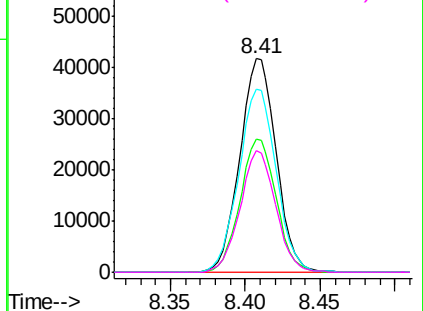
#45
 1,1,2-Trichloroethane
 Concen: 9.878 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:	97	Resp:	70781
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.2	84.0
83	85.6	64.9	120.5
85	56.7	41.4	77.0

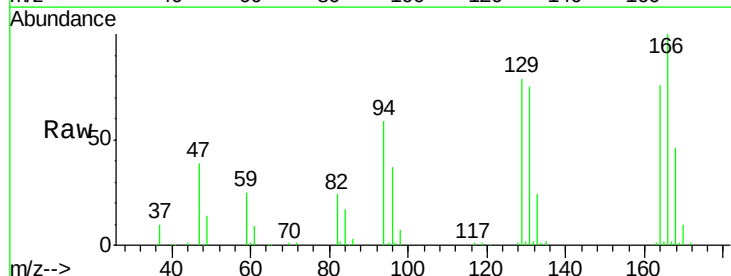


Abundance Ion 96.95 (96.65 to 97.65): VU039589.D (-2105) (-)

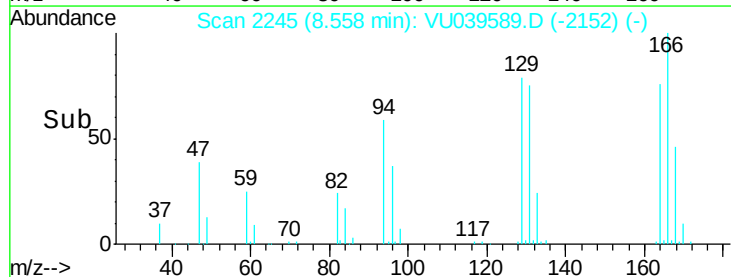
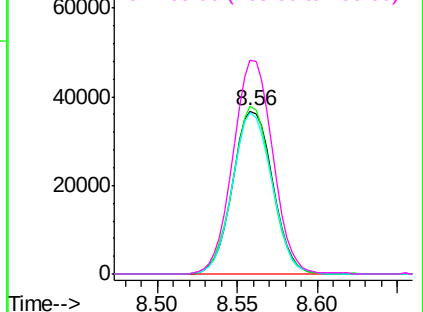


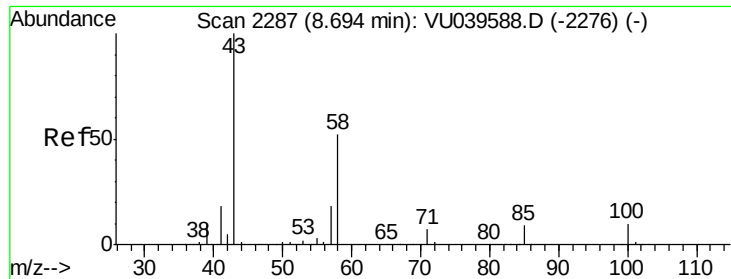
#47
 Tetrachloroethene
 Concen: 9.478 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Tgt Ion:	164	Resp:	62817
Ion	Ratio	Lower	Upper
164	100		
129	103.2	67.9	126.1
131	99.0	64.7	120.1
166	131.2	85.1	158.1



Abundance Ion 163.90 (163.60 to 164.60): VU039589.D (-2152) (-)

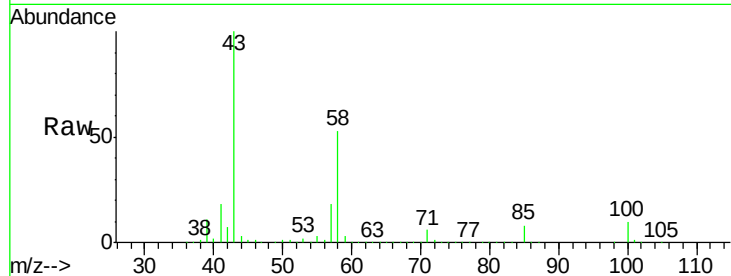




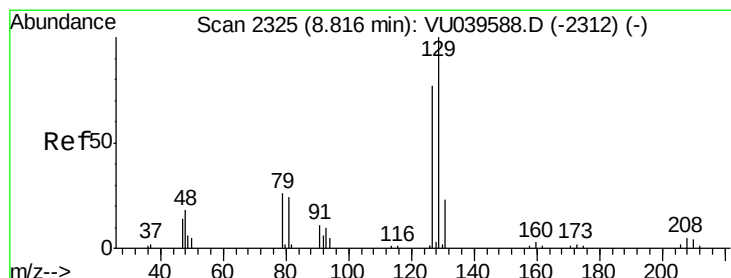
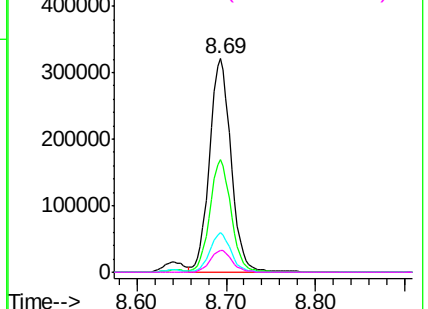
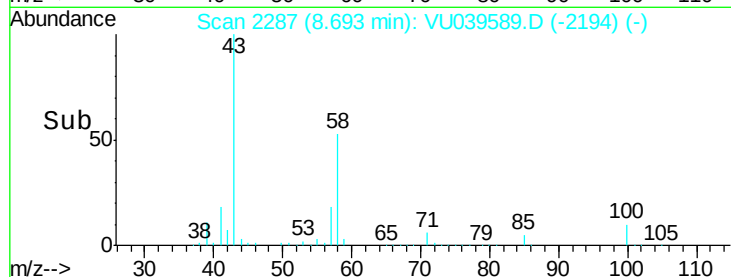
#48
2-Hexanone
Concen: 88.820 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:	43	Resp:	538029
Ion	Ratio	Lower	Upper
43	100		
58	52.1	40.9	61.3
57	17.9	14.6	21.8
100	10.2	7.9	11.9

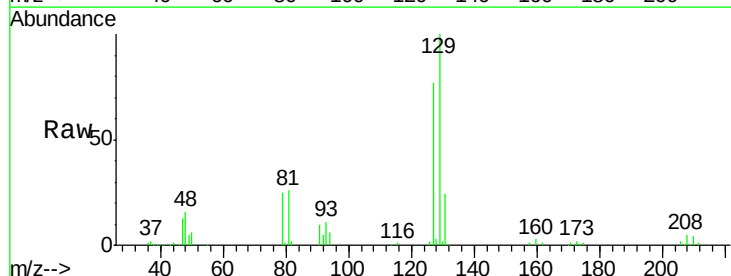


Abundance Ion 43.05 (42.75 to 43.75): VU039589.D (-2194) (-)

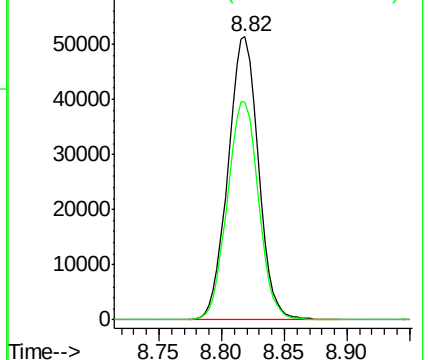
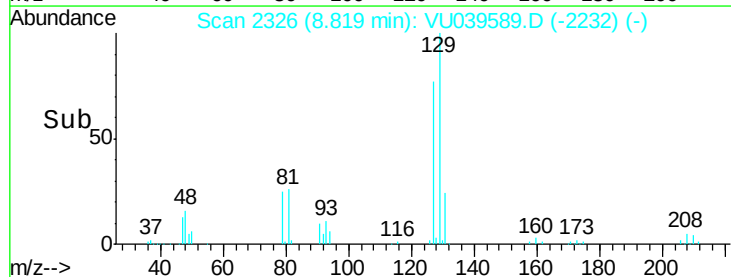


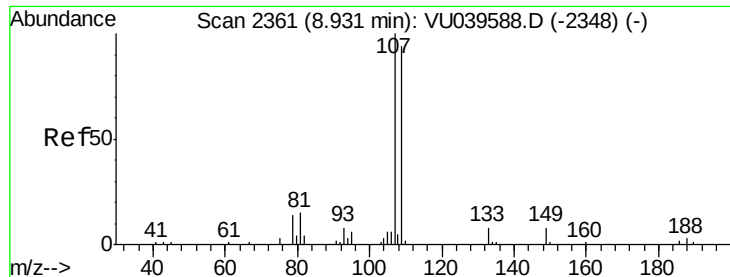
#49
Dibromochloromethane
Concen: 9.912 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion:	129	Resp:	86745
Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VU039589.D (-2232) (-)

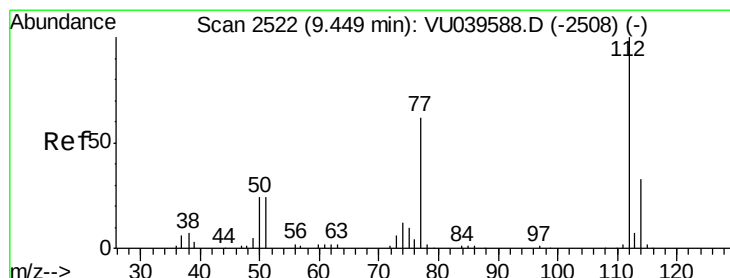
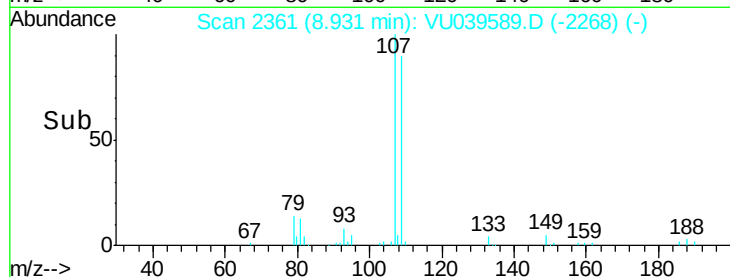
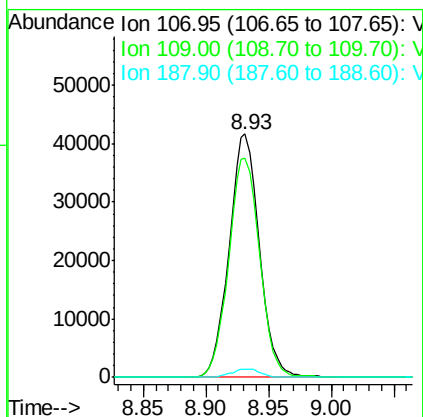
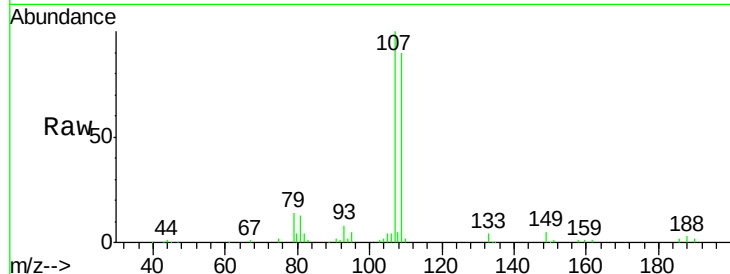




#50
1,2-Dibromoethane
Concen: 9.594 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

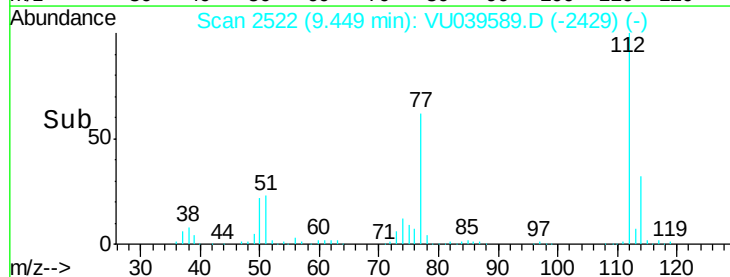
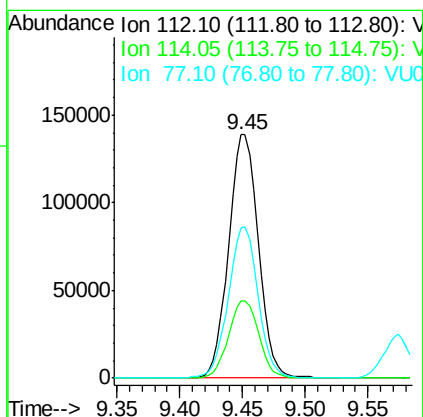
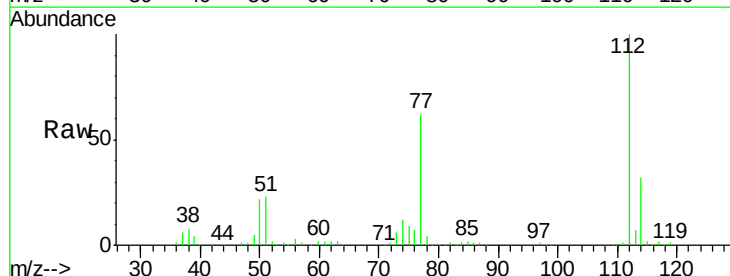
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

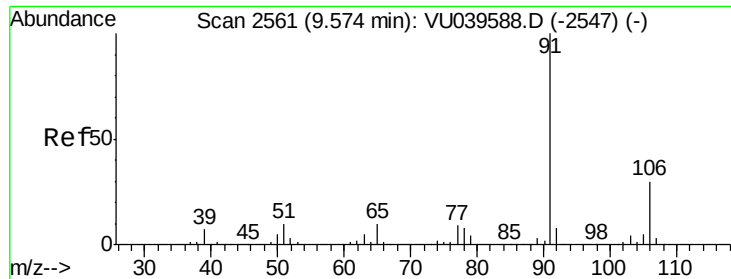
Tgt Ion:107 Resp: 69654
Ion Ratio Lower Upper
107 100
109 90.2 66.1 122.7
188 3.5 2.4 3.6



#51
Chlorobenzene
Concen: 9.505 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion:112 Resp: 229376
Ion Ratio Lower Upper
112 100
114 31.8 22.9 42.5
77 61.8 50.0 75.0





#52

Ethylbenzene

Concen: 9.487 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

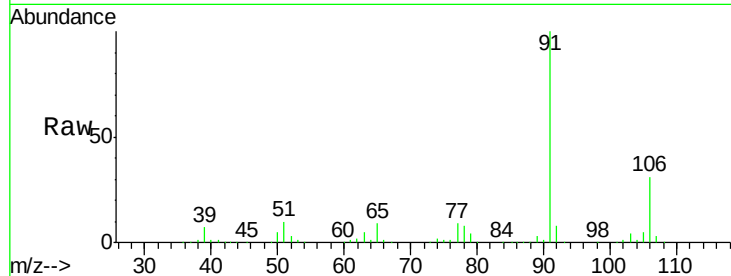
VSTD01003

Tgt Ion: 91 Resp: 412949

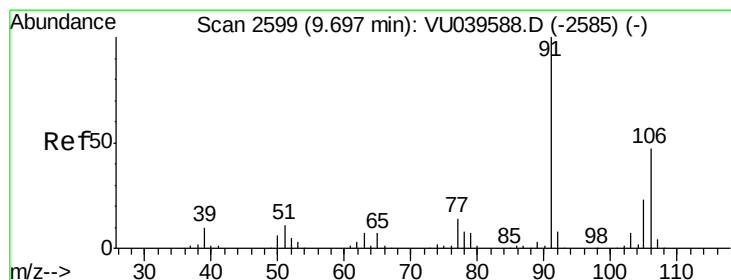
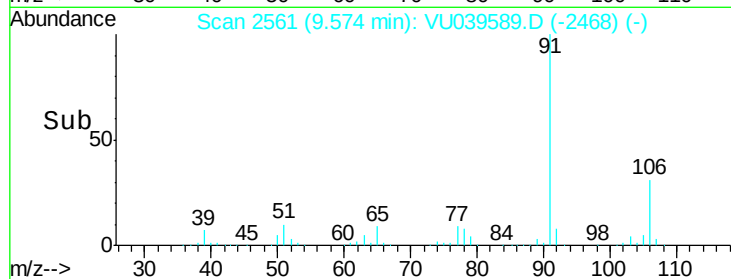
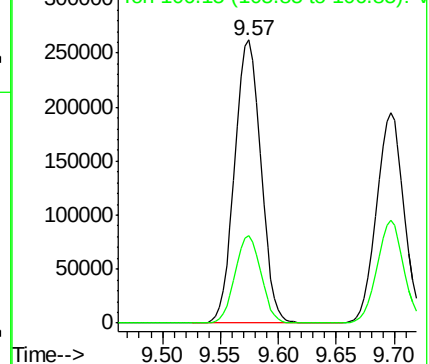
Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039589.D (-2547) (-)



#53

m,p-Xylene

Concen: 9.339 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039589.D

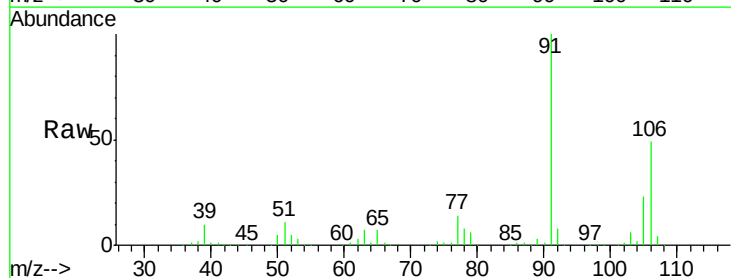
Acq: 21 Jul 2020 10:31

Tgt Ion: 106 Resp: 153366

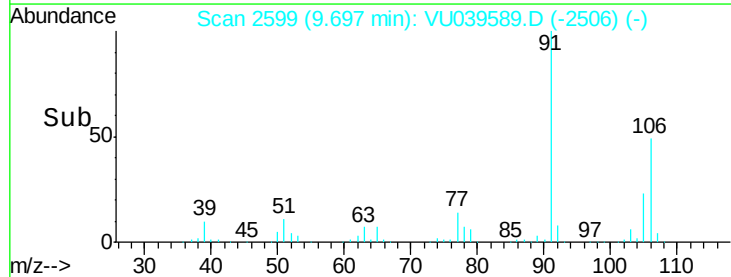
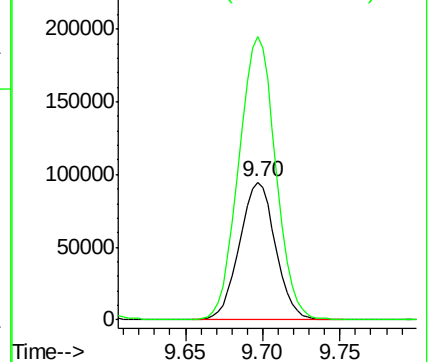
Ion Ratio Lower Upper

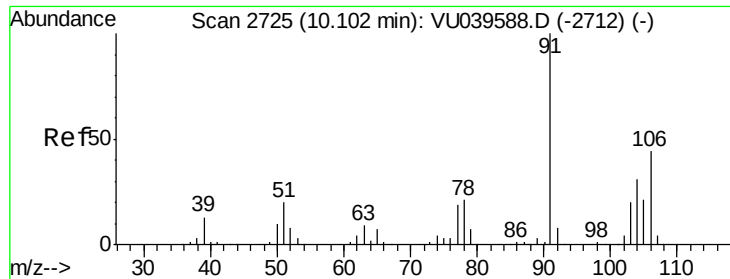
106 100

91 205.2 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039589.D (-2599) (-)

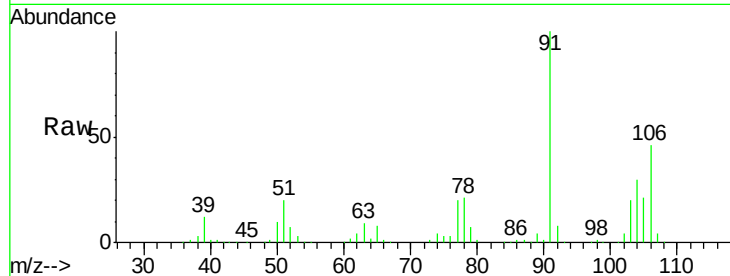




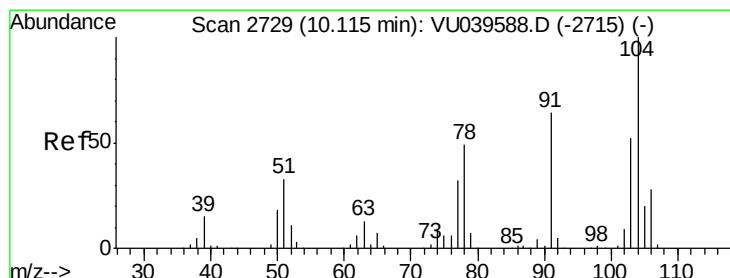
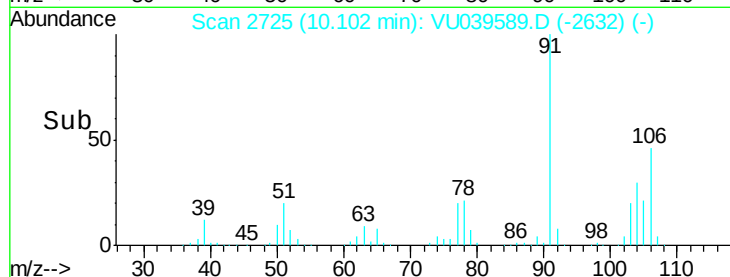
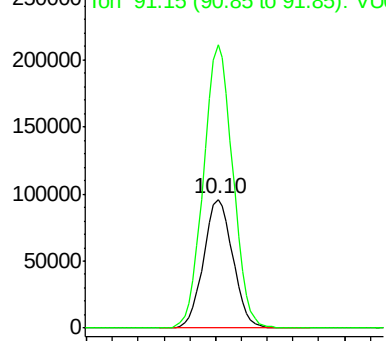
#54
o-Xylene
Concen: 9.449 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:106 Resp: 151469
Ion Ratio Lower Upper
106 100
91 219.3 157.4 292.4

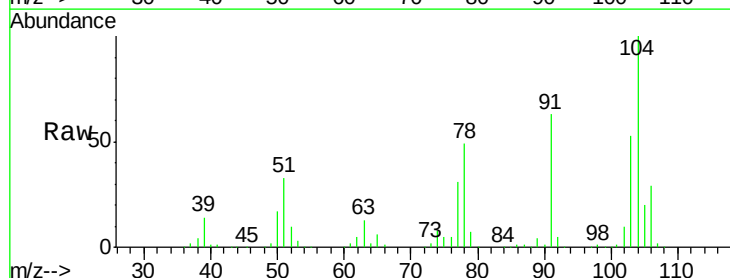


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

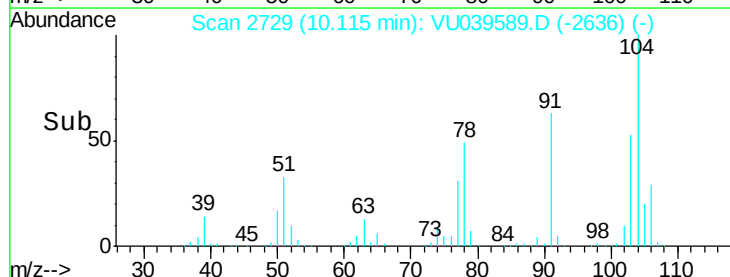
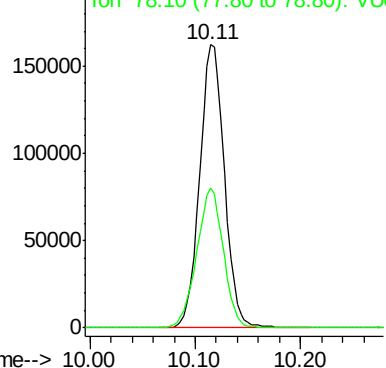


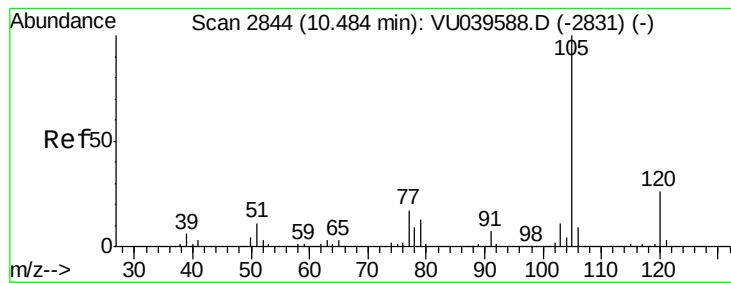
#55
Styrene
Concen: 9.414 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039589.D
Acq: 21 Jul 2020 10:31

Tgt Ion:104 Resp: 262777
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: 9.593 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

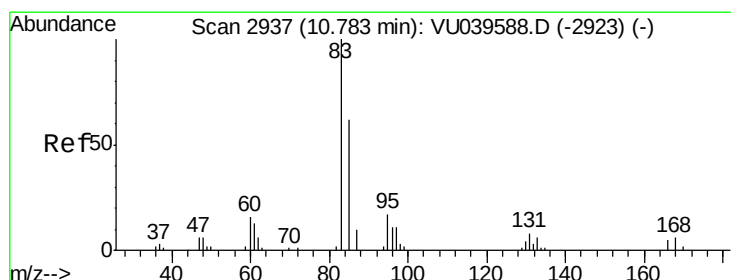
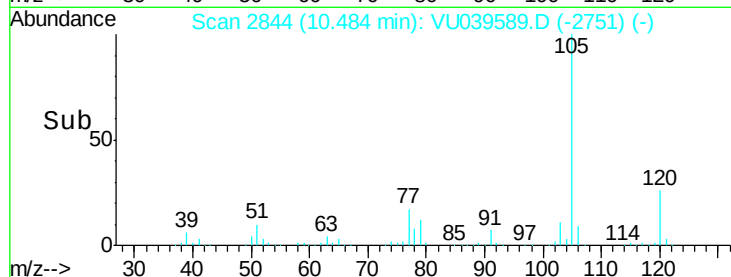
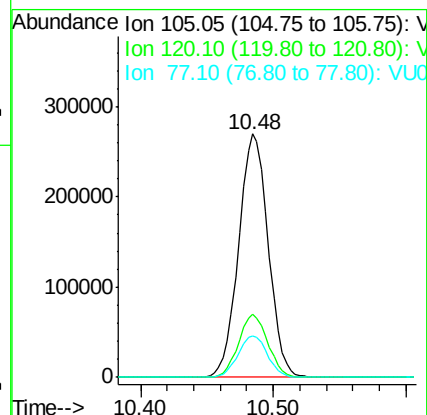
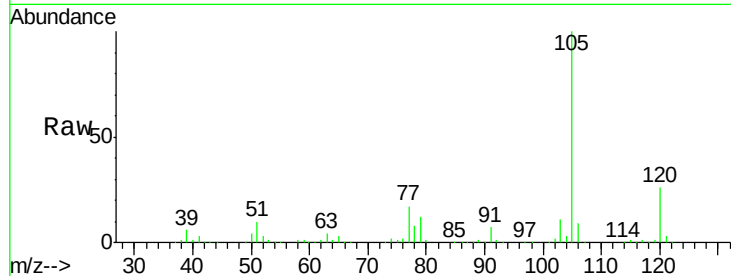
Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion:	105	Resp:	416365
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.9	31.3
77	17.0	13.6	20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 9.205 ug/L

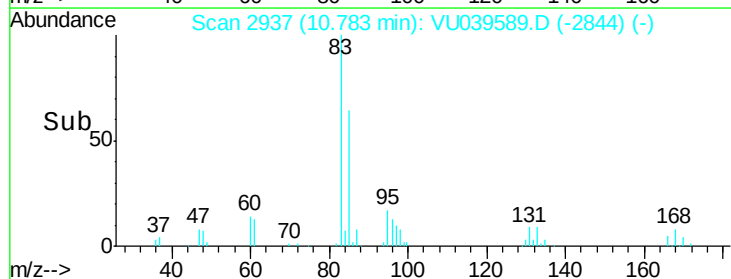
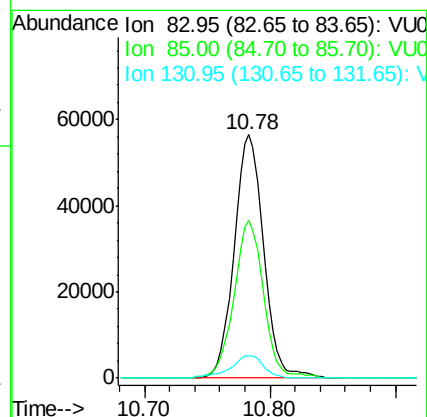
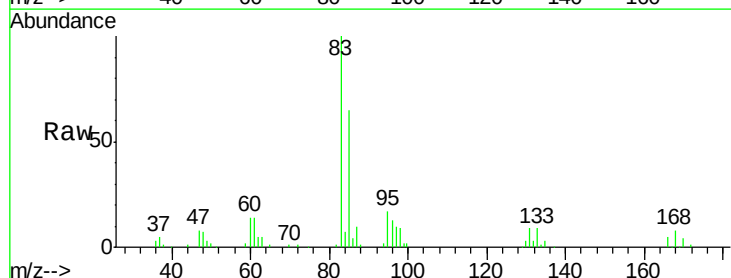
RT: 10.78 min Scan# 2937

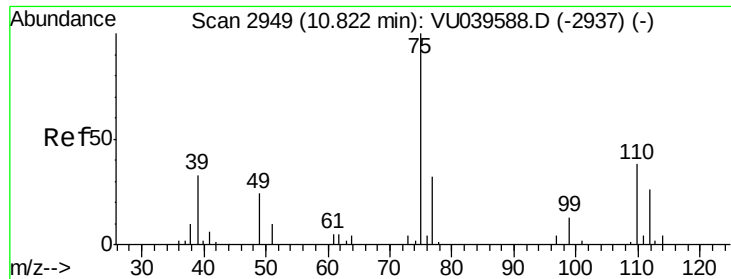
Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Tgt Ion:	83	Resp:	92051
Ion	Ratio	Lower	Upper
83	100		
85	64.6	43.5	80.9
131	9.3	7.4	11.0





#59

1,2,3-Trichloropropane

Concen: 9.177 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

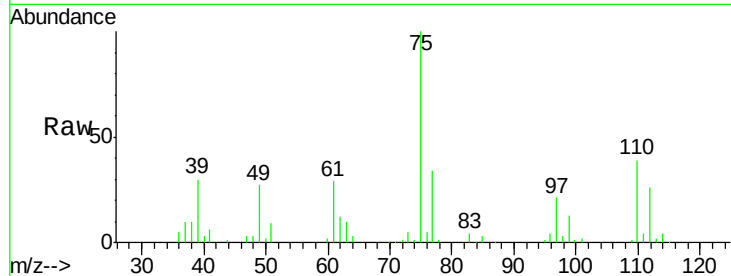
VSTD01003

Tgt Ion: 75 Resp: 67931

Ion Ratio Lower Upper

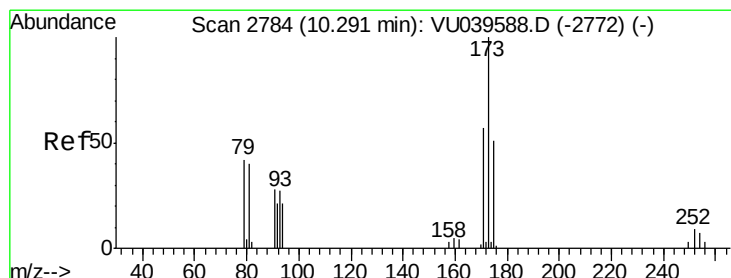
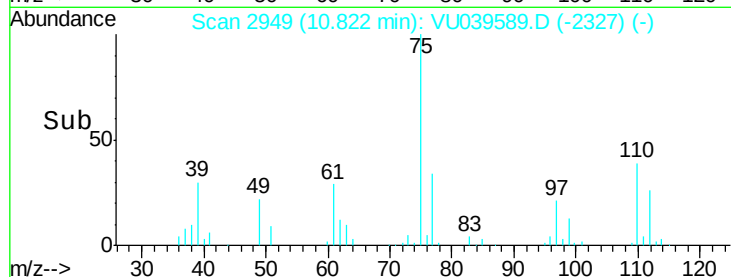
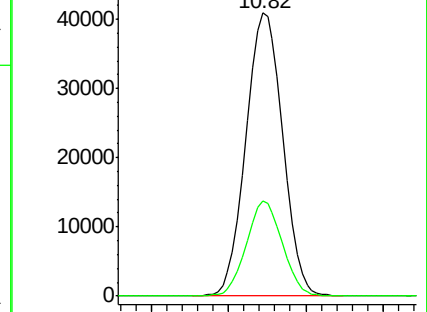
75 100

77 32.8 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: 9.949 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

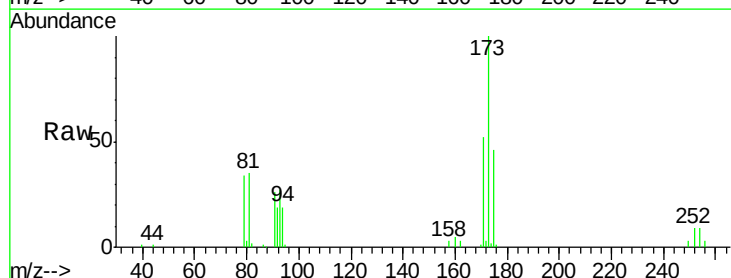
Tgt Ion: 173 Resp: 52016

Ion Ratio Lower Upper

173 100

175 46.6 39.9 59.9

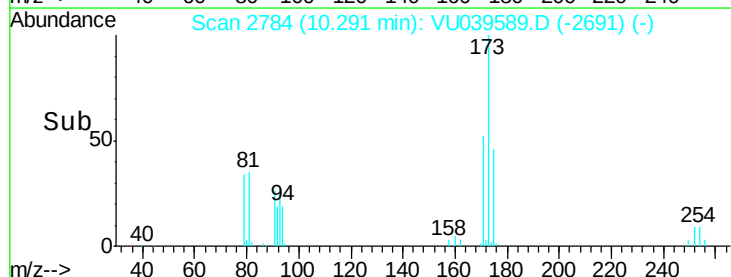
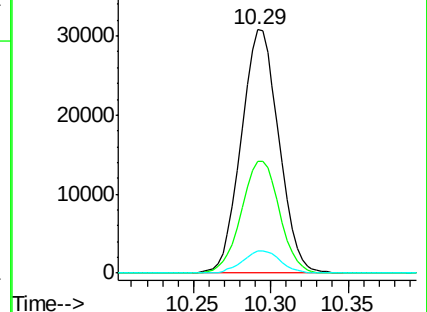
254 9.1 6.5 9.7

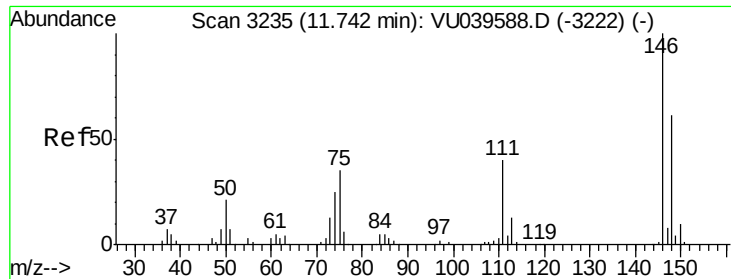


Abundance Ion 172.90 (172.60 to 173.60): VU039588.D (-2772) (-)

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

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





#62

1,3-Dichlorobenzene

Concen: 9.466 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

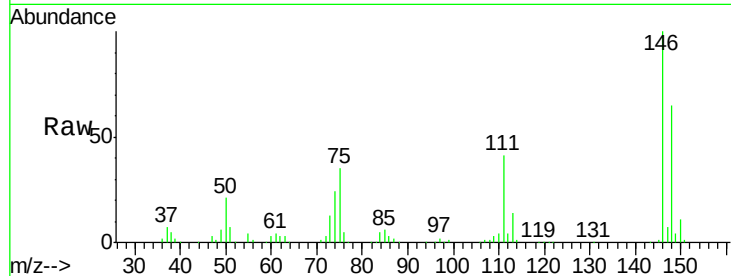
Tgt Ion:146 Resp: 185115

Ion Ratio Lower Upper

146 100

111 41.3 27.9 51.9

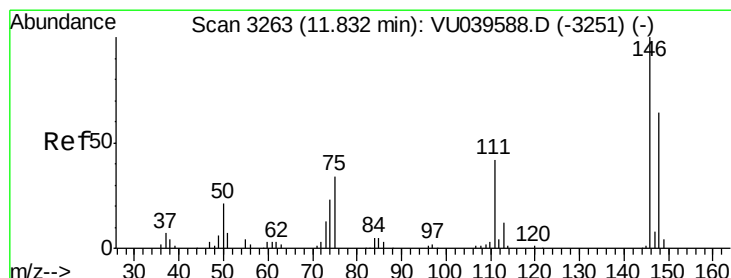
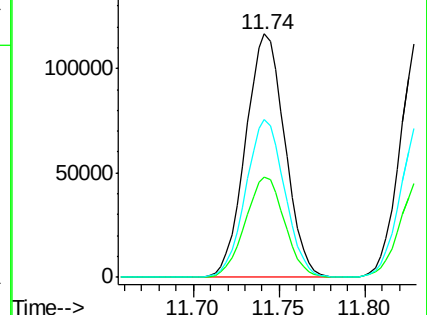
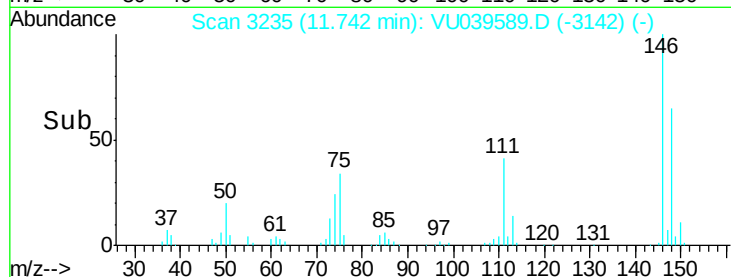
148 64.9 43.0 80.0



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: 9.512 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

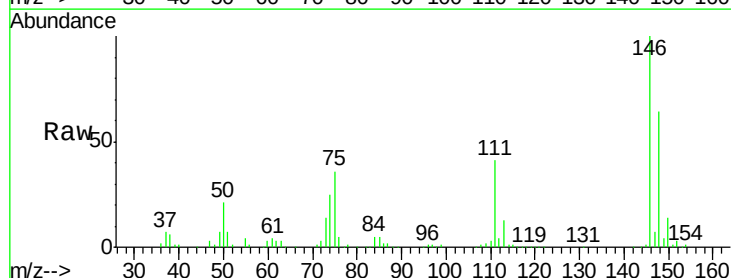
Tgt Ion:146 Resp: 187040

Ion Ratio Lower Upper

146 100

111 40.7 29.9 55.5

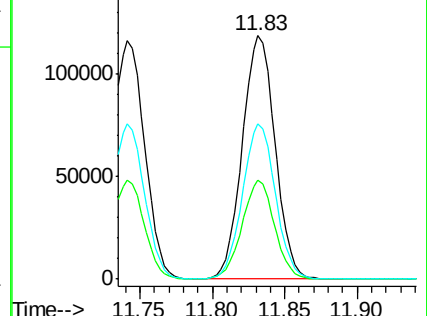
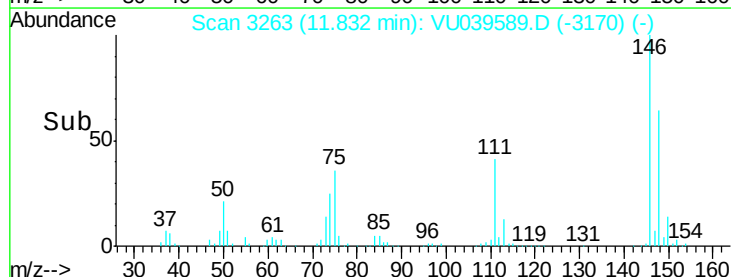
148 64.0 44.8 83.2

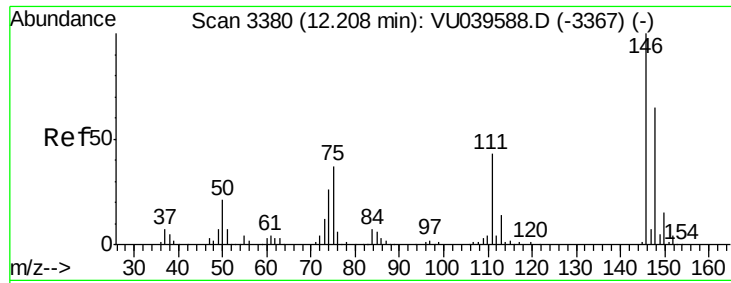


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.348 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

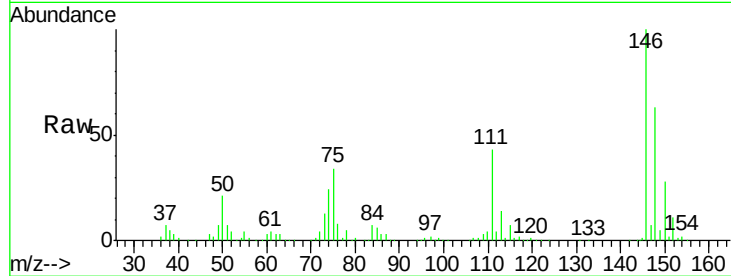
Tgt Ion: 146 Resp: 182910

Ion Ratio Lower Upper

146 100

111 43.1 34.3 51.5

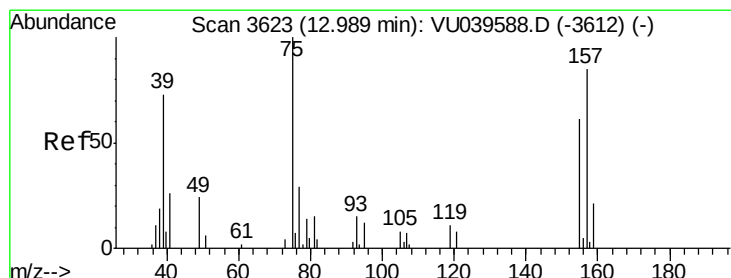
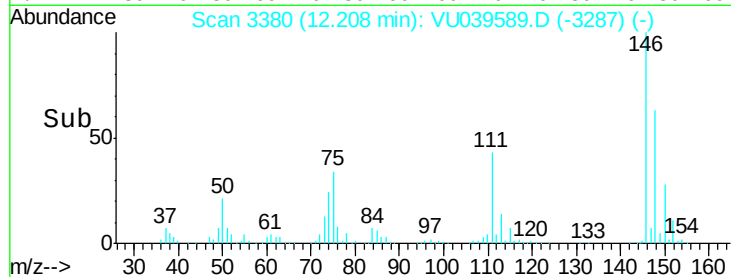
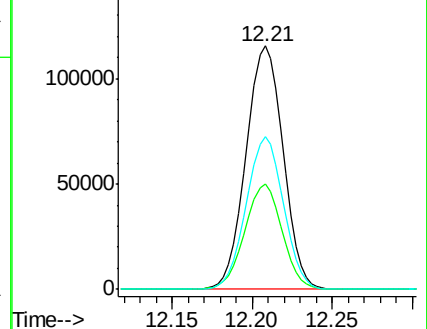
148 62.6 52.0 78.0



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: 9.914 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

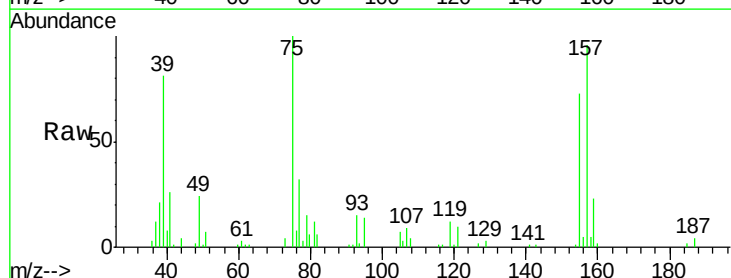
Tgt Ion: 75 Resp: 16948

Ion Ratio Lower Upper

75 100

155 73.0 48.4 72.6#

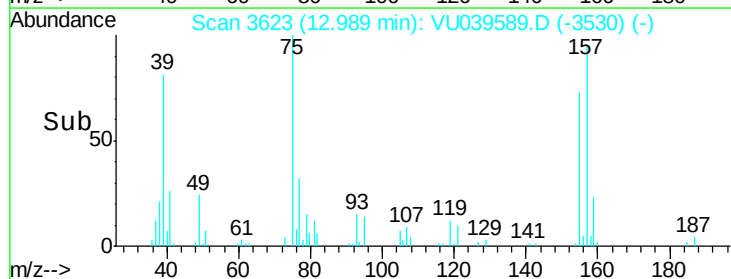
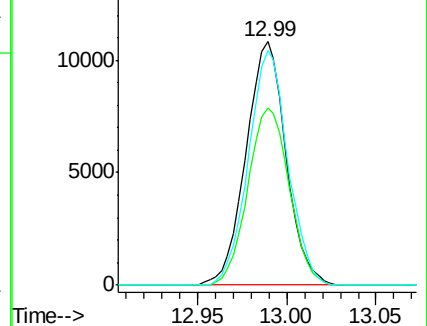
157 96.3 68.2 102.2

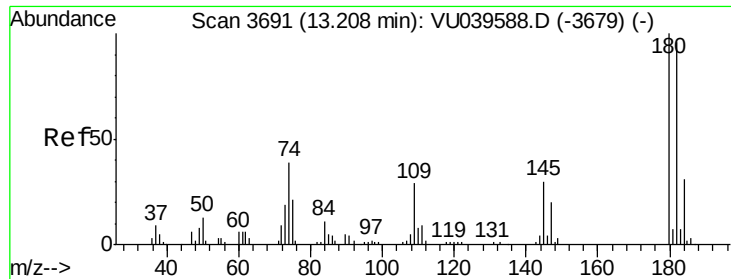


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

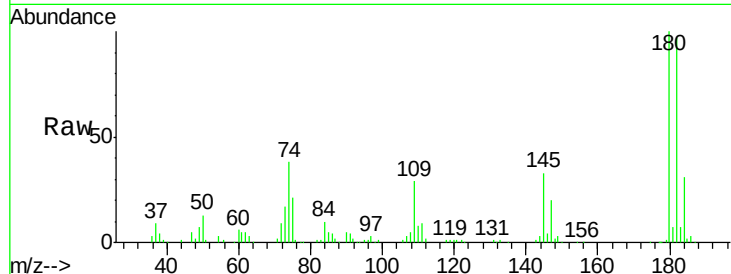




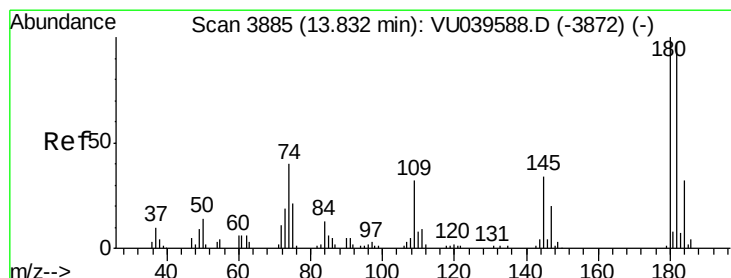
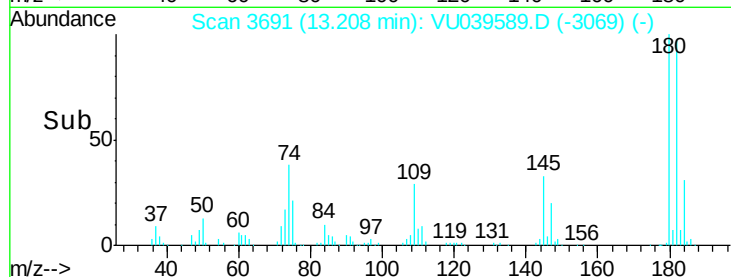
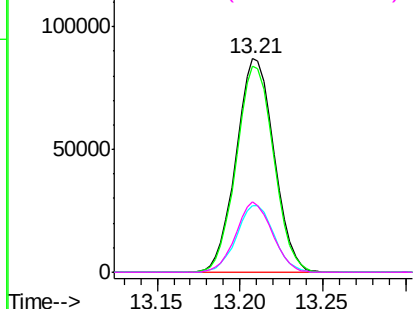
#67
 1,3,5-Trichlorobenzene
 Concen: 9.453 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:180 Resp: 138242
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.5 114.7
 184 30.8 24.8 37.2
 145 31.7 23.8 35.8

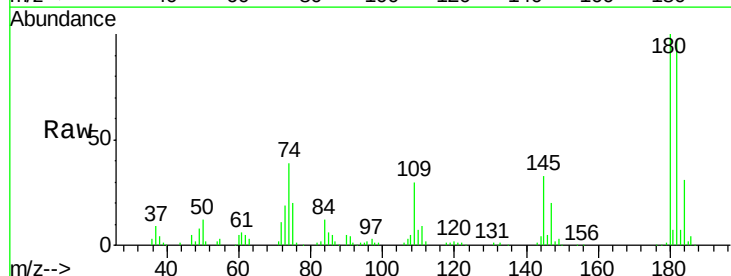


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

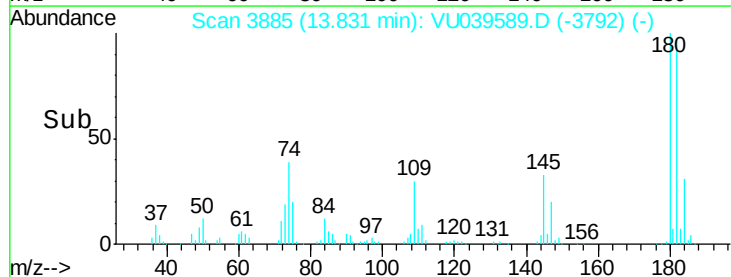
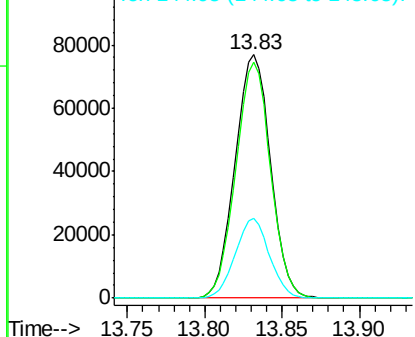


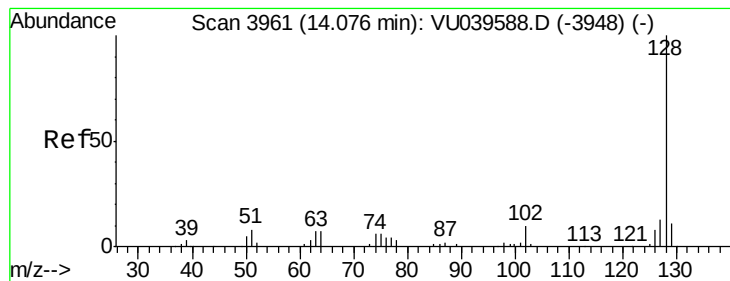
#68
 1,2,4-trichlorobenzene
 Concen: 9.880 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039589.D
 Acq: 21 Jul 2020 10:31

Tgt Ion:180 Resp: 122300
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.8 118.2
 145 31.5 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: 9.344 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

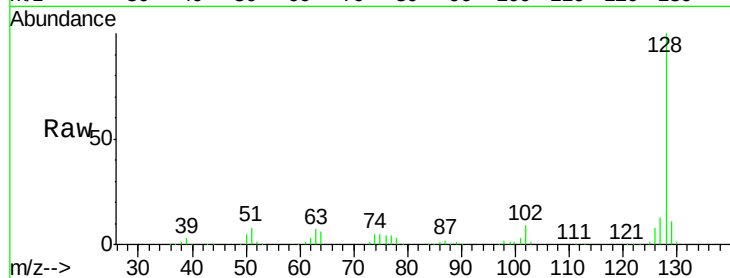
Tgt Ion:128 Resp: 228018

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

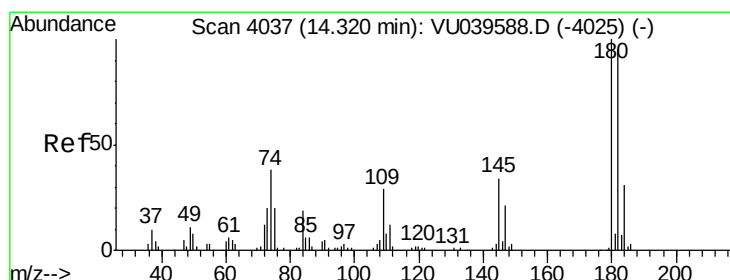
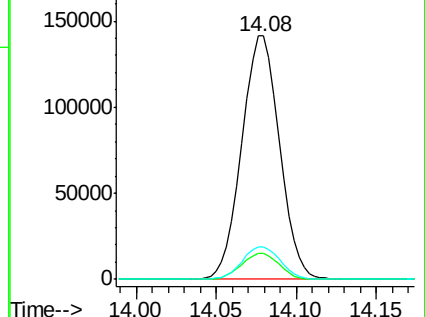
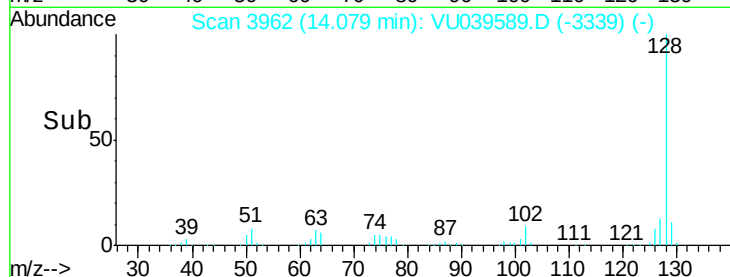
127 13.6 10.6 16.0



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: 9.851 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039589.D

Acq: 21 Jul 2020 10:31

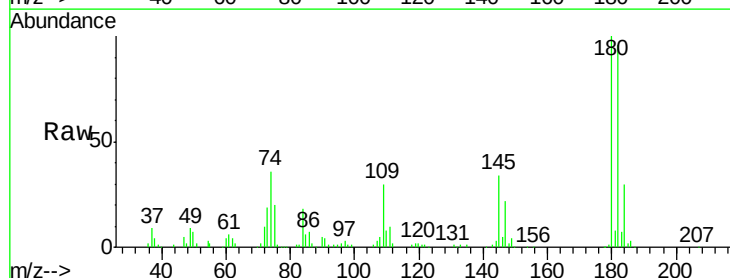
Tgt Ion:180 Resp: 112090

Ion Ratio Lower Upper

180 100

182 93.8 78.0 117.0

145 33.0 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

