

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039898.D
 Acq On : 19 Aug 2020 09:55
 Operator : SY/MD
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Aug 20 07:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70710	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72435	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36471	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	6303	1.49	ug/L	0.00
7) Chloroethane-d5	1.92	69	5381	1.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	12401	1.45	ug/L	0.00
20) 2-Butanone-d5	4.67	46	20302	11.70	ug/L	0.00
24) Chloroform-d	5.08	84	11277	1.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	7114	1.23	ug/L	0.00
32) Benzene-d6	5.74	84	21235	1.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	7101	1.17	ug/L	0.00
41) Toluene-d8	7.91	98	18059	1.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3151	1.34	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	13389	10.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	6477	1.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	7518	1.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	7706	1.251 ug/L	96
3) Chloromethane	1.53	50	8410	1.291 ug/L	85
5) Vinyl chloride	1.61	62	7853	1.240 ug/L	94
6) Bromomethane	1.86	94	4905	1.279 ug/L	95
8) Chloroethane	1.94	64	5297	1.202 ug/L	90
9) Trichlorofluoromethane	2.15	101	11856	1.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6460	1.201 ug/L	94
12) 1,1-Dichloroethene	2.59	96	6057	1.287 ug/L	94
13) Acetone	2.67	43	6620	6.126 ug/L #	41
14) Carbon disulfide	2.81	76	20489	1.378 ug/L	99
15) Methyl Acetate	2.97	43	4029	1.508 ug/L	91
16) Methylene chloride	3.06	84	9644	1.327 ug/L	88
17) Methyl tert-butyl Ether	3.38	73	15297	1.245 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	6348	1.233 ug/L	90
19) 1,1-Dichloroethane	3.89	63	11994	1.260 ug/L	98
21) 2-Butanone	4.74	43	24144	14.011 ug/L #	67
22) cis-1,2-Dichloroethene	4.69	96	7145	1.302 ug/L	96
23) Bromochloromethane	4.99	128	3195	1.238 ug/L #	79
25) Chloroform	5.11	83	12477	1.251 ug/L	96
27) 1,2-Dichloroethane	5.81	62	9146	1.322 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	9789	1.134 ug/L	90
30) Cyclohexane	5.41	56	9591	1.134 ug/L	97
31) Carbon tetrachloride	5.54	117	8578	1.092 ug/L	92
33) Benzene	5.79	78	26118	1.233 ug/L	100
34) Trichloroethene	6.56	95	6655	1.214 ug/L	95
35) Methylcyclohexane	6.77	83	9431	1.086 ug/L	99
37) 1,2-Dichloropropane	6.80	63	6702	1.189 ug/L #	89
38) Bromodichloromethane	7.11	83	8477	1.155 ug/L #	89
39) cis-1,3-Dichloropropene	7.61	75	8863	1.141 ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	51992	12.239 ug/L	99

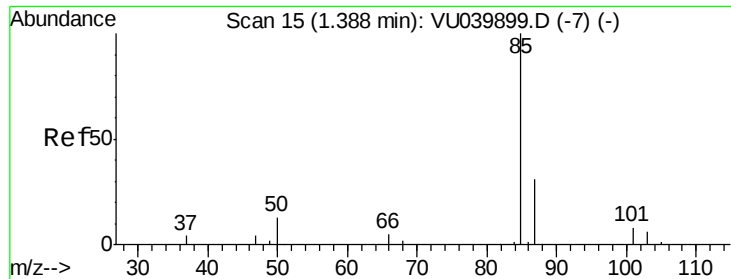
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081920\
 Data File : VU039898.D
 Acq On : 19 Aug 2020 09:55
 Operator : SY/MD
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Aug 20 07:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 20 07:38:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	26044	1.170	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	8802	1.274	ug/L	86
45) 1,1,2-Trichloroethane	8.41	97	5416	1.286	ug/L	92
47) Tetrachloroethene	8.56	164	5047	1.134	ug/L	93
48) 2-Hexanone	8.69	43	36178	11.818	ug/L	98
49) Dibromochloromethane	8.81	129	6038	1.172	ug/L	97
50) 1,2-Dibromoethane	8.93	107	4583	1.117	ug/L #	91
51) Chlorobenzene	9.45	112	16955	1.147	ug/L	97
52) Ethylbenzene	9.57	91	27143	1.101	ug/L	97
53) m,p-Xylene	9.69	106	10262	1.092	ug/L	96
54) o-Xylene	10.10	106	9459	1.035	ug/L	91
55) Styrene	10.11	104	16268	1.047	ug/L	100
56) Isopropylbenzene	10.48	105	25190	1.029	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	6752	1.176	ug/L	91
59) 1,2,3-Trichloropropane	10.82	75	5151	1.279	ug/L	93
61) Bromoform	10.29	173	3022	1.142	ug/L #	92
62) 1,3-Dichlorobenzene	11.74	146	13246	1.164	ug/L	92
63) 1,4-Dichlorobenzene	11.83	146	13434	1.130	ug/L	87
65) 1,2-Dichlorobenzene	12.20	146	12191	1.096	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.99	75	1022	1.188	ug/L #	87
67) 1,3,5-Trichlorobenzene	13.21	180	9137	1.070	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	7578	1.057	ug/L	97
69) Naphthalene	14.08	128	12871	0.995	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	6979	1.087	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 1.251 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

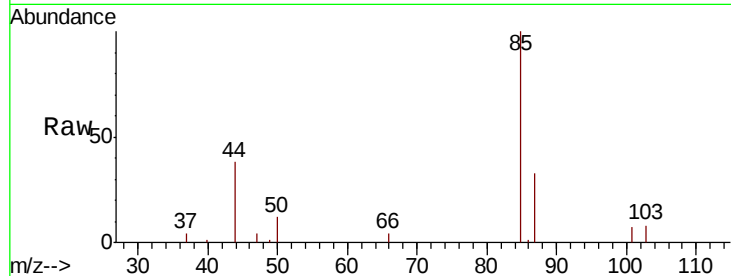
VSTD00103

Tot Ion: 85 Resp: 7706

Ion Ratio Lower Upper

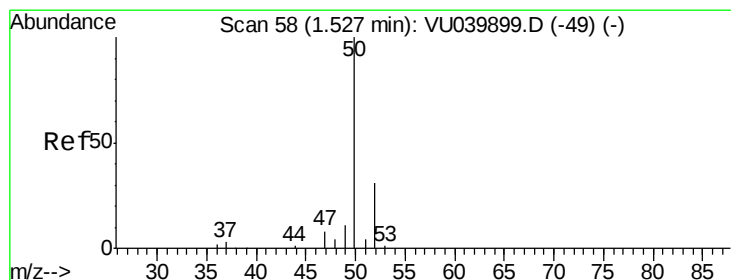
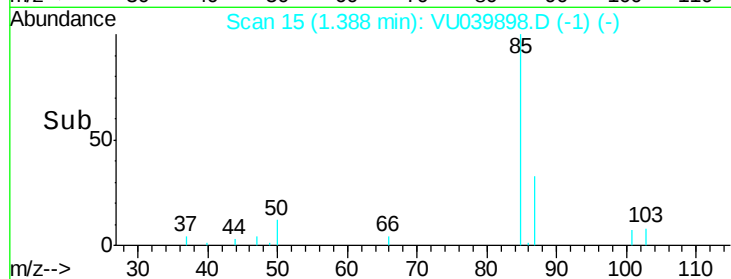
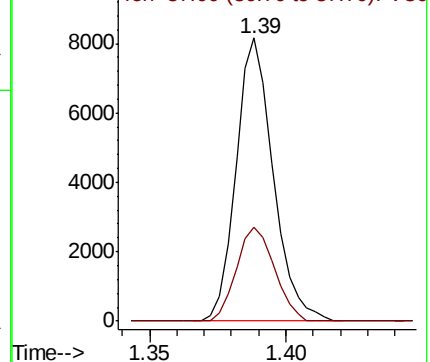
85 100

87 33.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.291 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039898.D

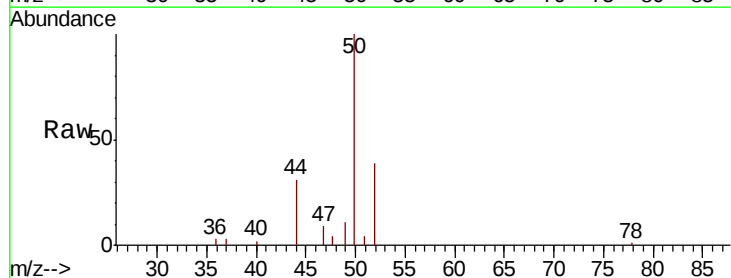
Acq: 19 Aug 2020 09:55

Tgt Ion: 50 Resp: 8410

Ion Ratio Lower Upper

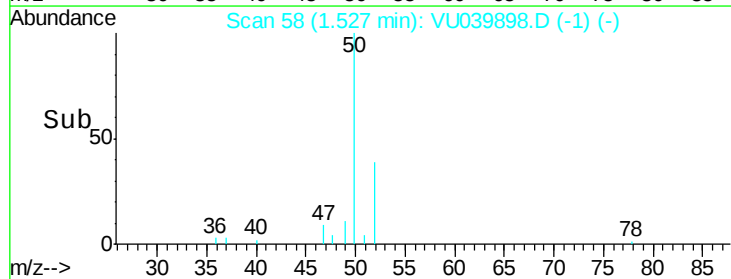
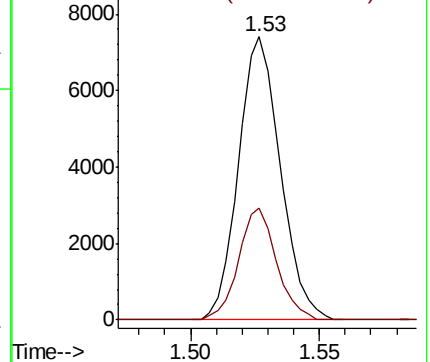
50 100

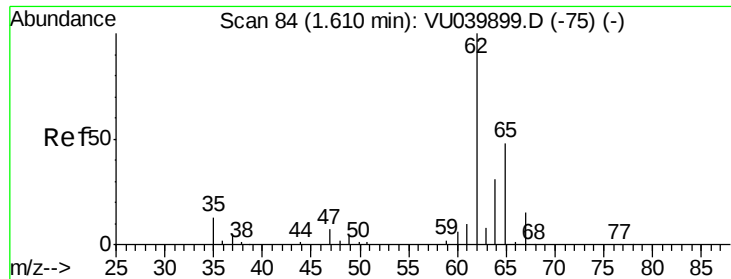
52 39.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

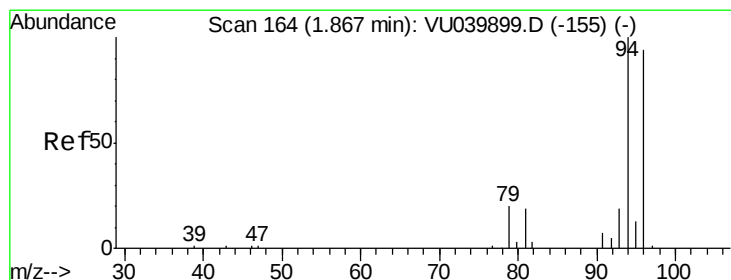
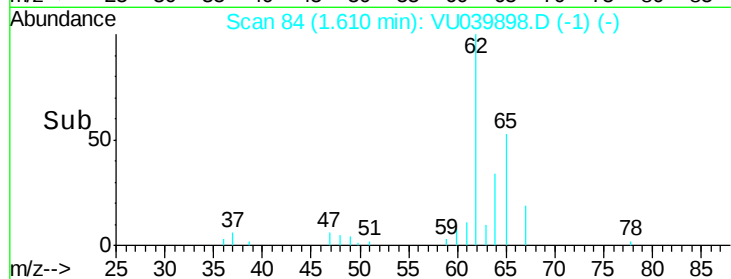
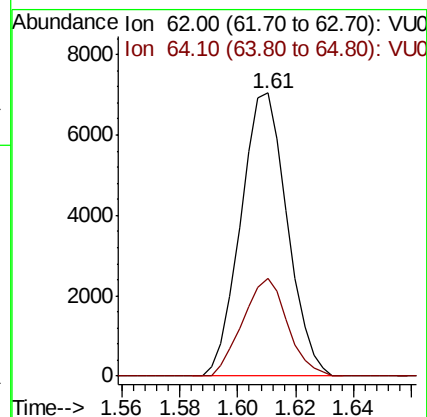
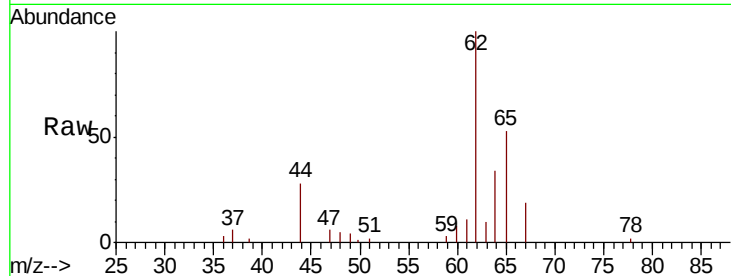




#5
 Vinyl chloride
 Concen: 1.240 ug/L
 RT: 1.61 min Scan# 84
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

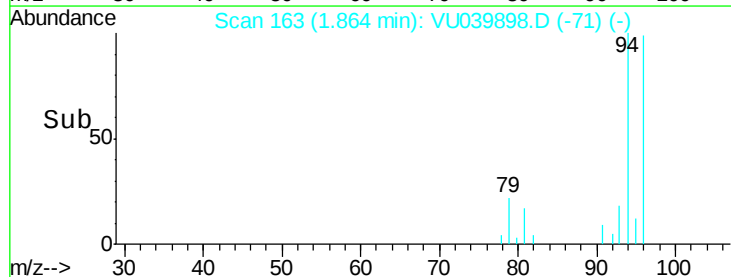
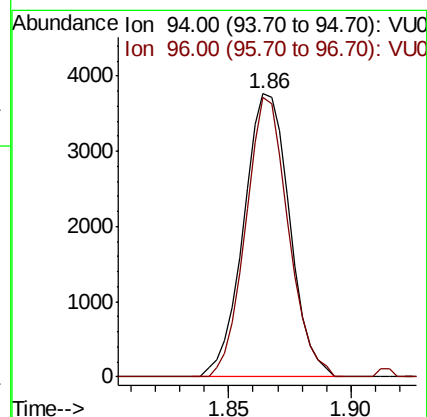
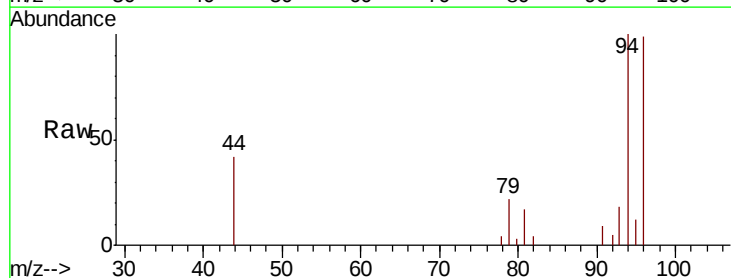
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

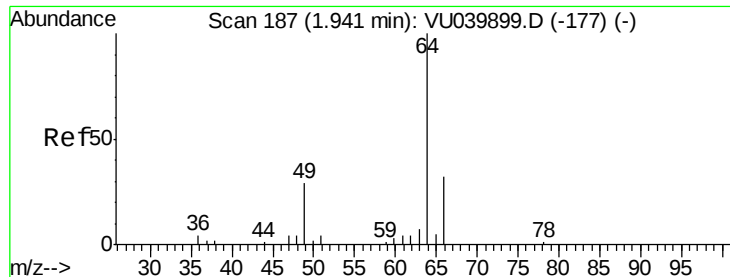
Tot Ion: 62 Resp: 7853
 Ion Ratio Lower Upper
 62 100
 64 34.3 21.6 40.2



#6
 Bromomethane
 Concen: 1.279 ug/L
 RT: 1.86 min Scan# 163
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 94 Resp: 4905
 Ion Ratio Lower Upper
 94 100
 96 98.8 65.5 121.7





#8

Chloroethane

Concen: 1.202 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

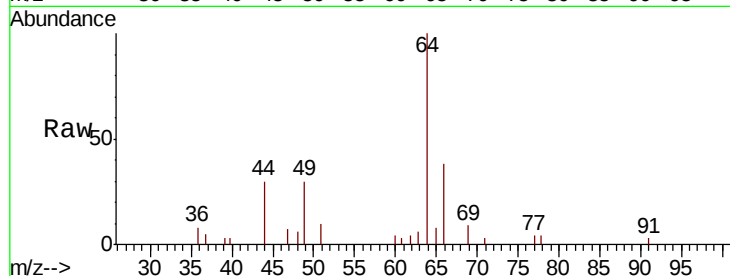
VSTD00103

Tot Ion: 64 Resp: 5297

Ion Ratio Lower Upper

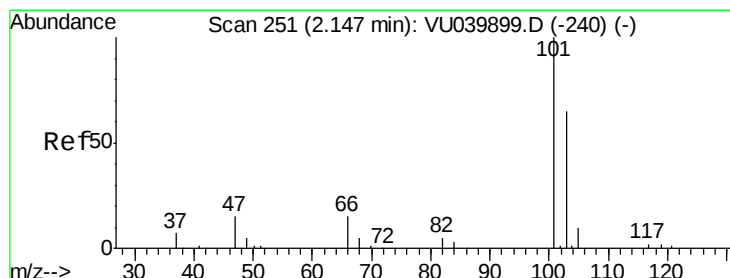
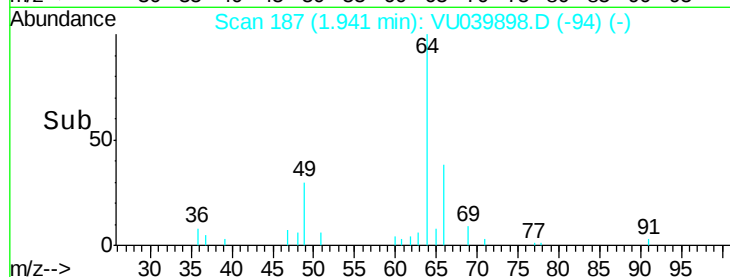
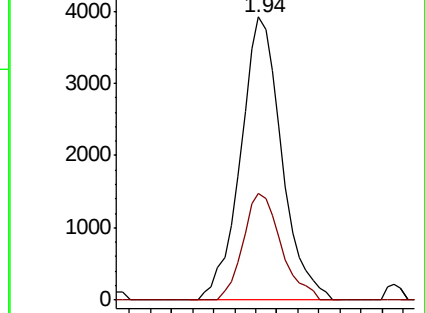
64 100

66 37.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039899.D

Ion 66.05 (65.75 to 66.75): VU039899.D



#9

Trichlorofluoromethane

Concen: 1.236 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039898.D

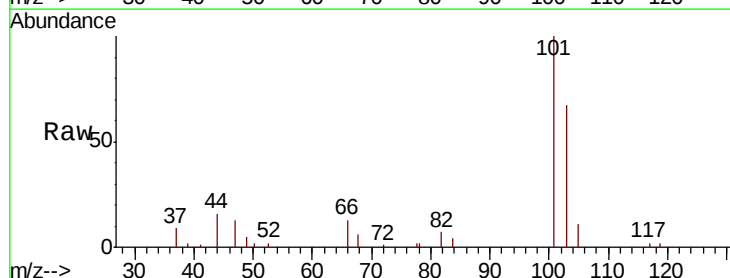
Acq: 19 Aug 2020 09:55

Tgt Ion:101 Resp: 11856

Ion Ratio Lower Upper

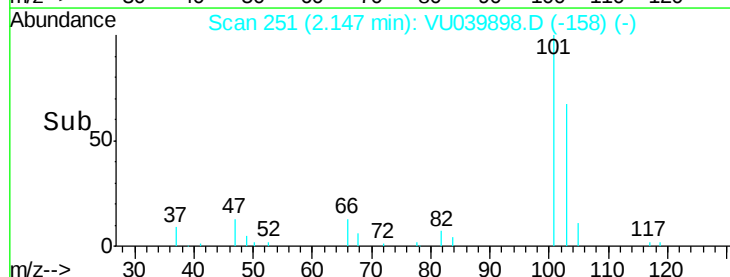
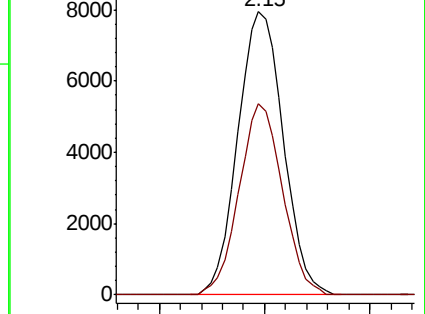
101 100

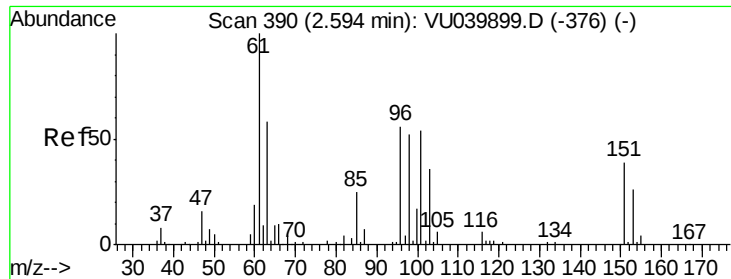
103 64.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU039899.D

Ion 103.00 (102.70 to 103.70): VU039899.D





#10

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

Concen: 1.201 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

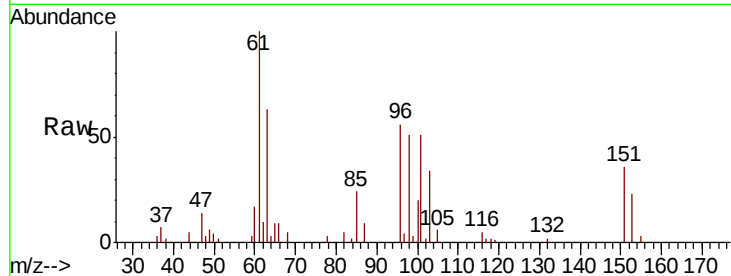
Tot Ion:101 Resp: 6460

Ion Ratio Lower Upper

101 100

85 48.0 34.5 51.7

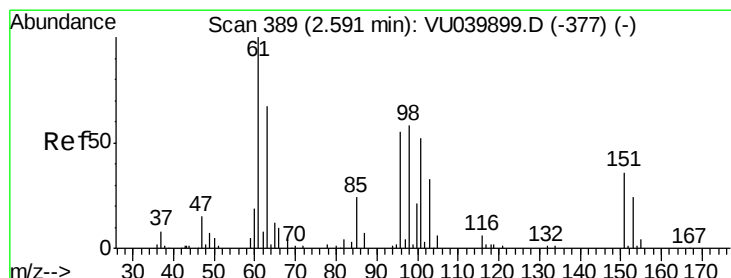
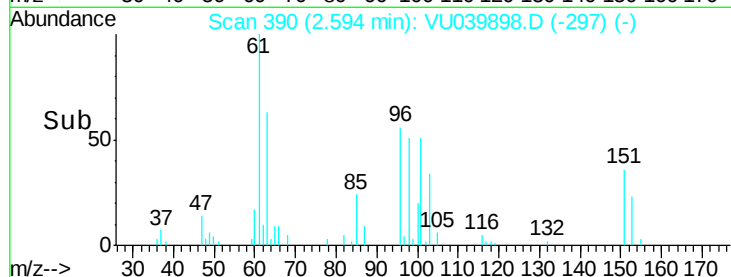
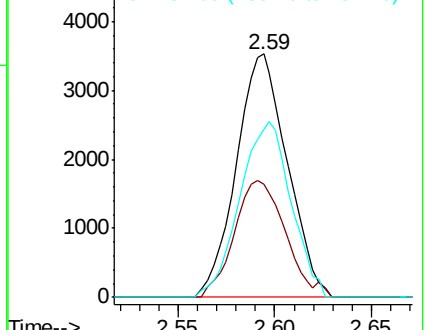
151 72.4 54.4 81.6



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: 1.287 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

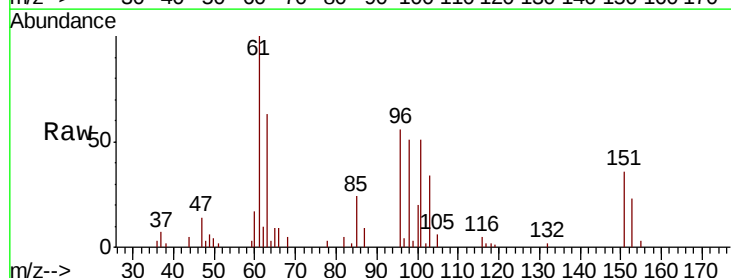
Tgt Ion: 96 Resp: 6057

Ion Ratio Lower Upper

96 100

61 179.1 126.8 235.4

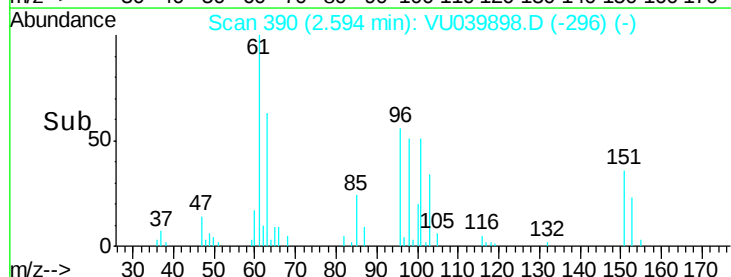
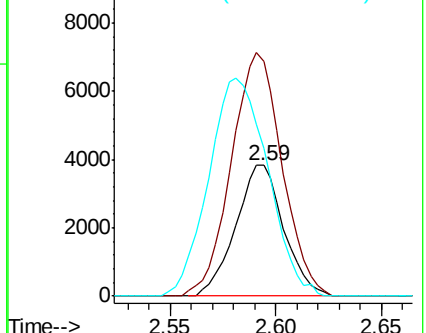
63 112.3 88.6 164.6

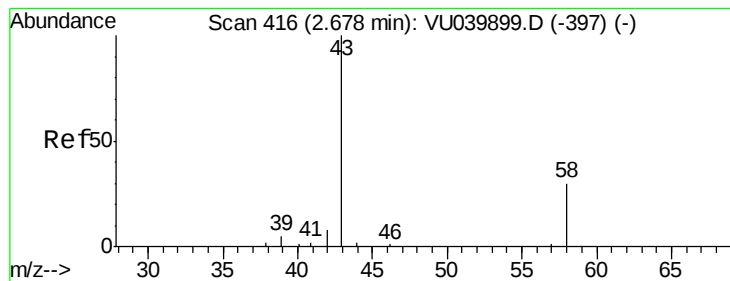


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.126 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

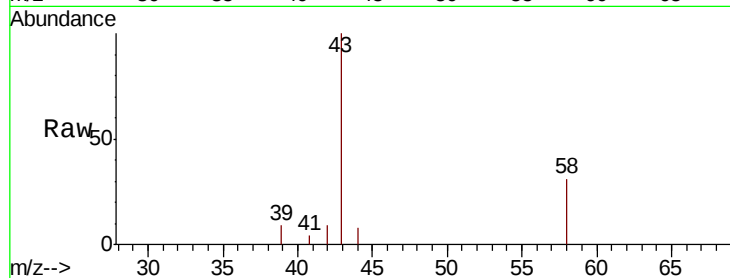
VSTD00103

Tot Ion: 43 Resp: 6620

Ion Ratio Lower Upper

43 100

58 31.2 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039898.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039898.D (-397) (-)

2.67

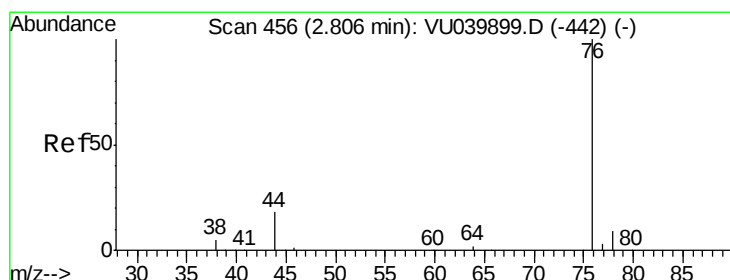
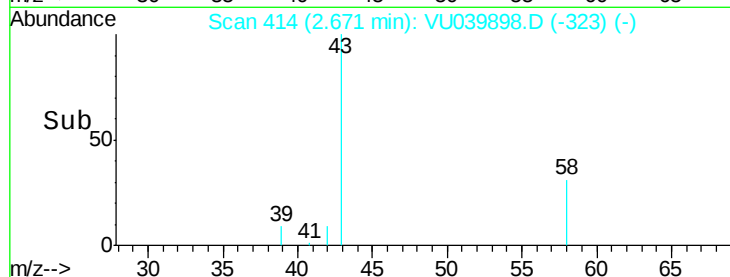
3000

2000

1000

0

Time--> 2.60 2.65 2.70



#14

Carbon disulfide

Concen: 1.378 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039898.D

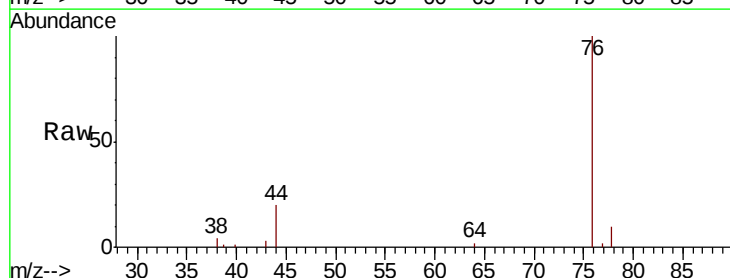
Acq: 19 Aug 2020 09:55

Tgt Ion: 76 Resp: 20489

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039898.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039898.D (-442) (-)

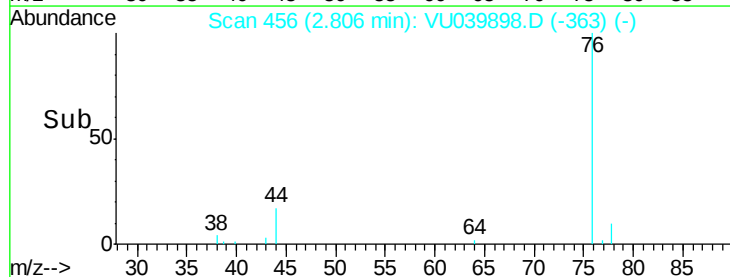
2.81

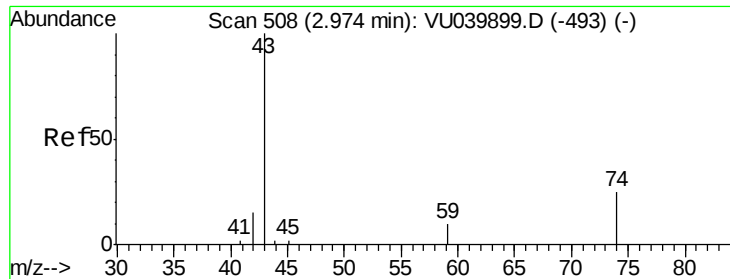
10000

5000

0

Time--> 2.75 2.80 2.85





#15

Methyl Acetate

Concen: 1.508 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

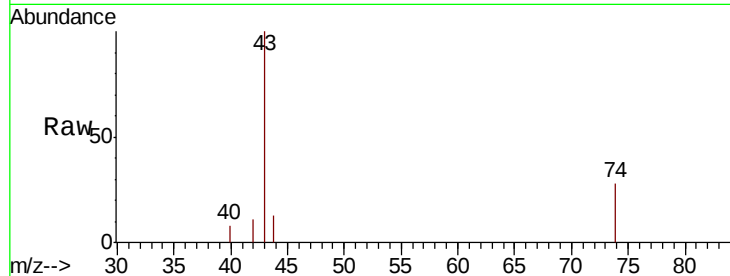
VSTD00103

Tot Ion: 43 Resp: 4029

Ion Ratio Lower Upper

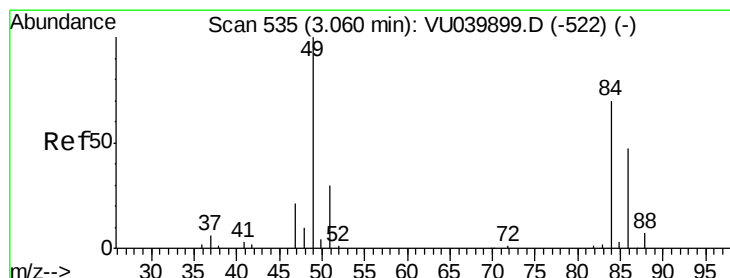
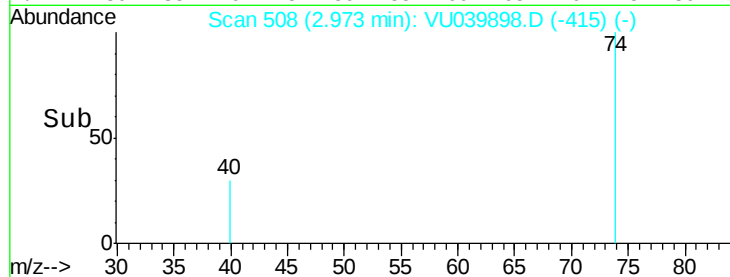
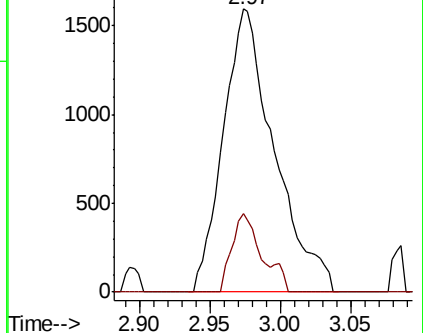
43 100

74 16.4 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU039898.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU039898.D (-493) (-)



#16

Methylene chloride

Concen: 1.327 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

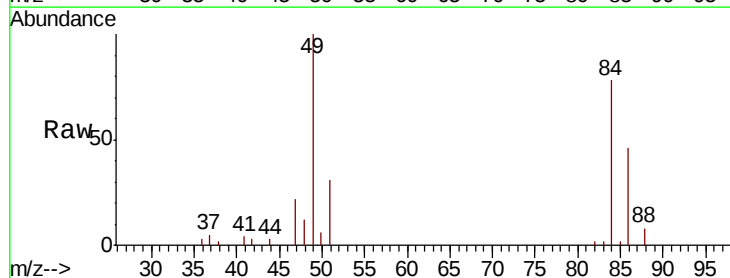
Tgt Ion: 84 Resp: 9644

Ion Ratio Lower Upper

84 100

86 59.3 47.2 87.6

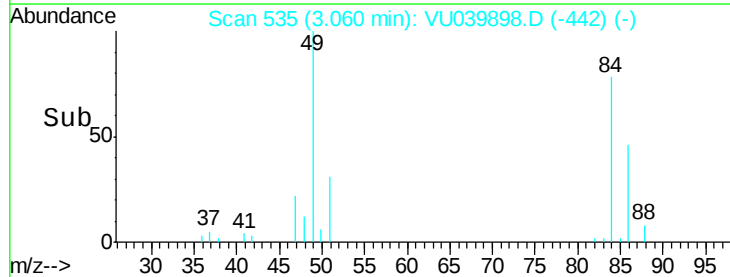
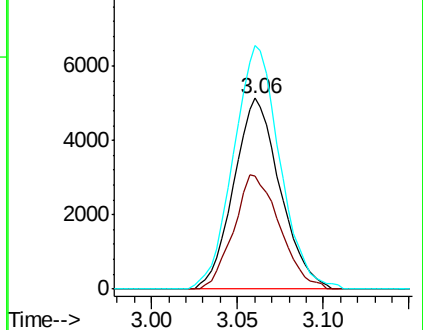
49 127.6 99.8 185.4

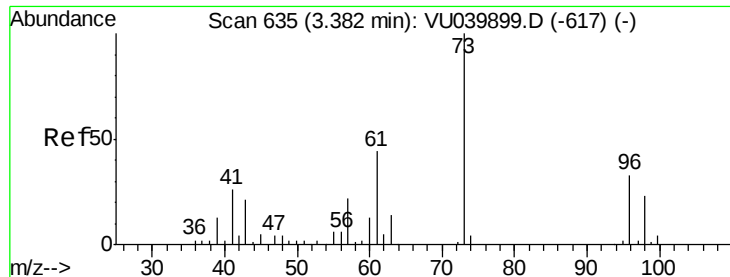


Abundance Ion 84.05 (83.75 to 84.75): VU039898.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039898.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039898.D (-522) (-)

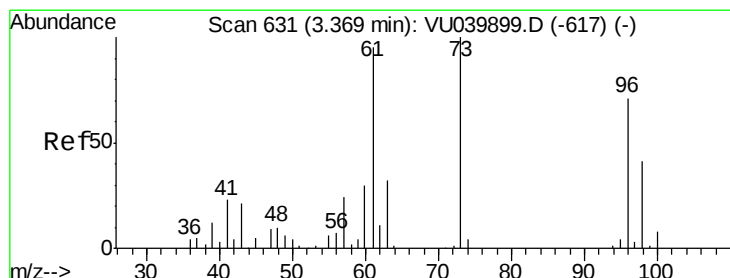
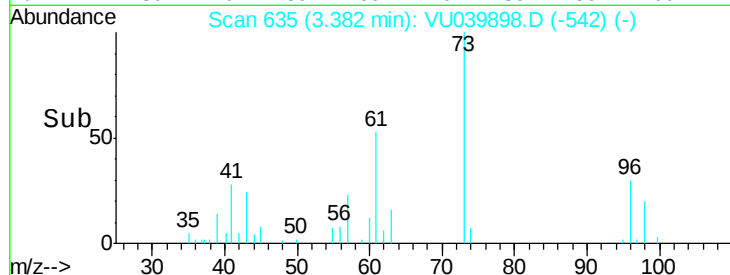
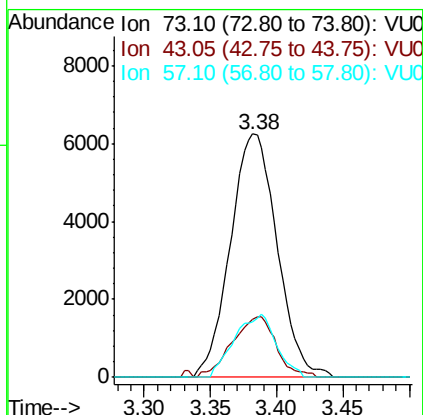
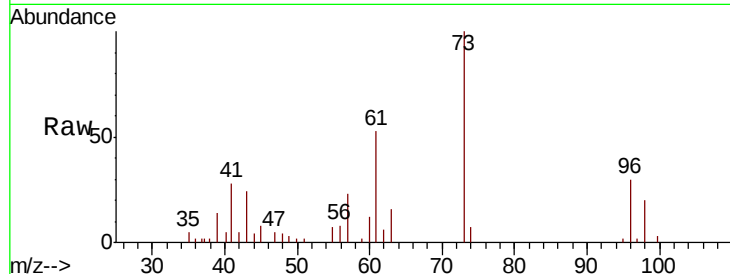




#17
Methvl tert-butvl Ether
Concen: 1.245 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

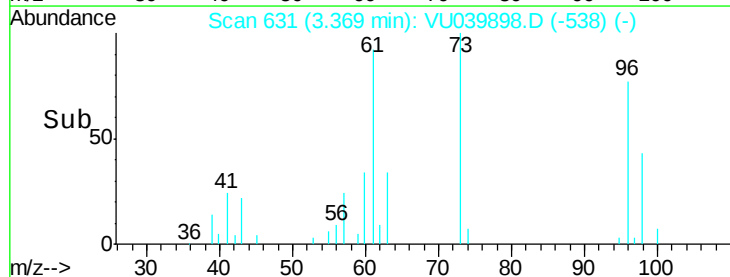
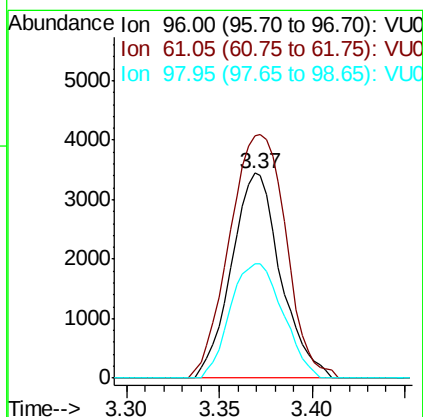
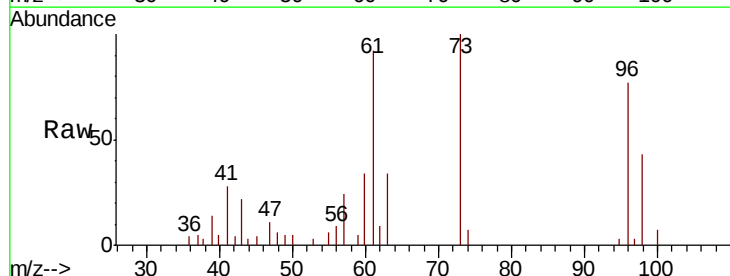
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

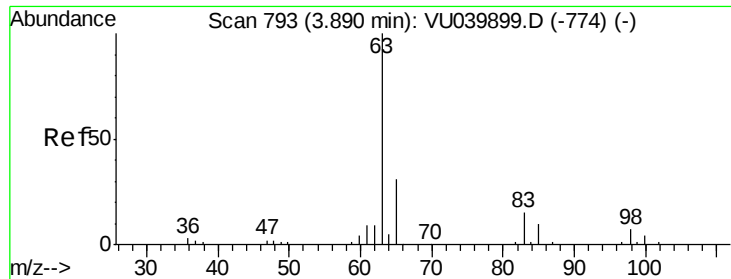
Tot Ion: 73 Resp: 15297
Ion Ratio Lower Upper
73 100
43 23.4 16.6 24.8
57 23.1 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 1.233 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 96 Resp: 6348
Ion Ratio Lower Upper
96 100
61 118.5 93.7 173.9
98 55.6 40.7 75.5

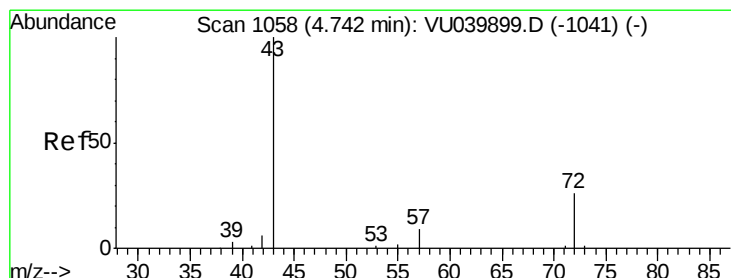
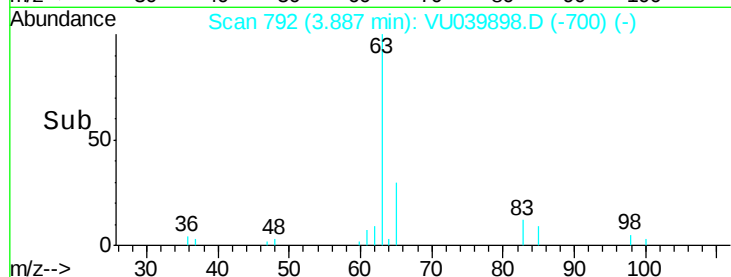
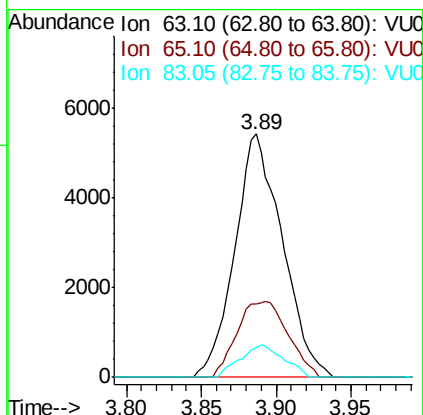
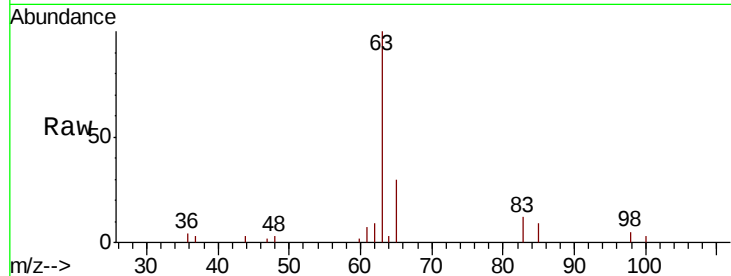




#19
 1,1-Dichloroethane
 Concen: 1.260 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

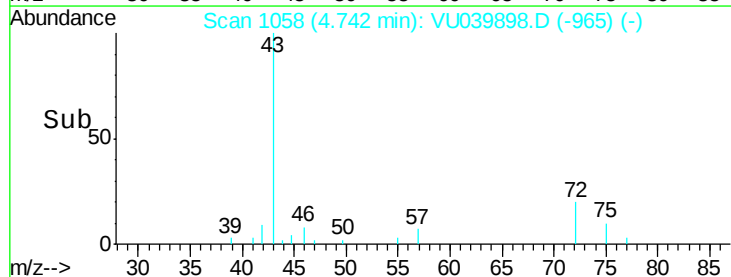
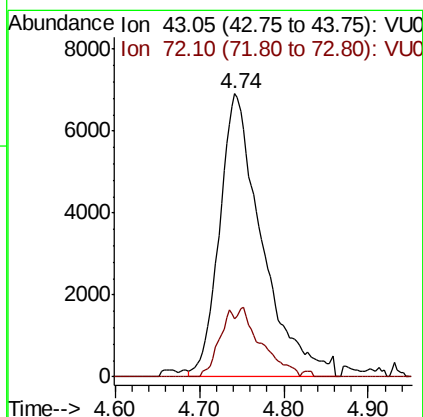
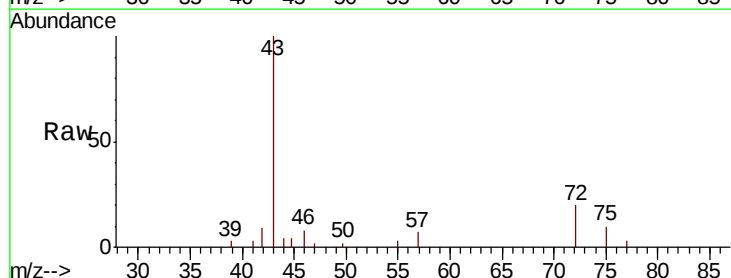
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

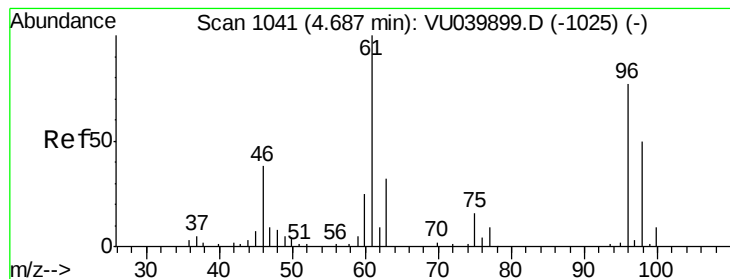
Tot Ion: 63 Resp: 11994
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.6 40.0
 83 12.5 10.3 19.1



#21
 2-Butanone
 Concen: 14.011 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 43 Resp: 24144
 Ion Ratio Lower Upper
 43 100
 72 8.9 12.7 38.0#





#22

cis-1,2-Dichloroethene

Concen: 1.302 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

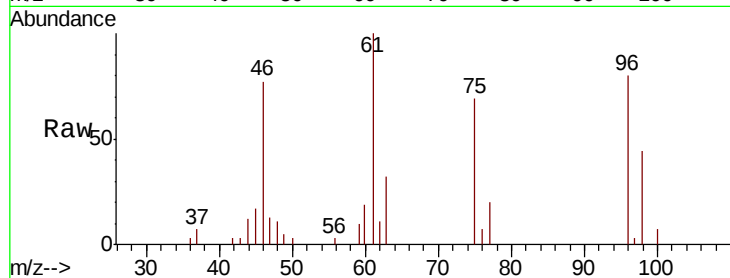
Tot Ion: 96 Resp: 7145

Ion Ratio Lower Upper

96 100

61 125.5 90.9 168.9

68 0.0 0.0 0.0

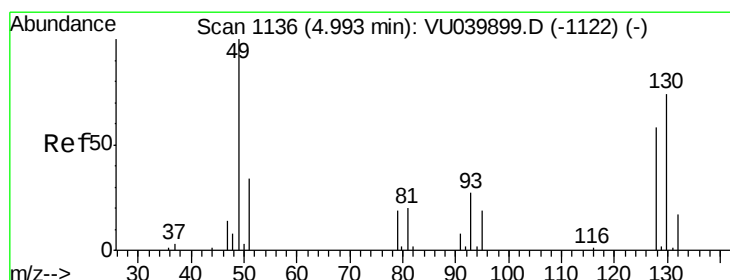
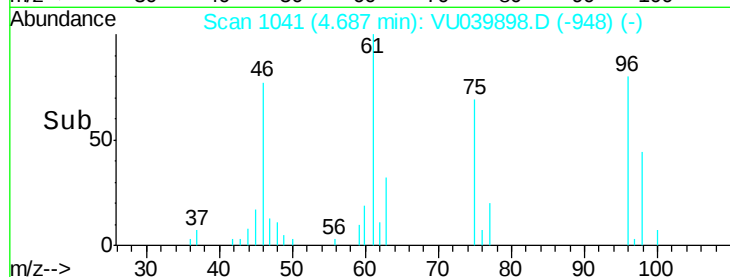
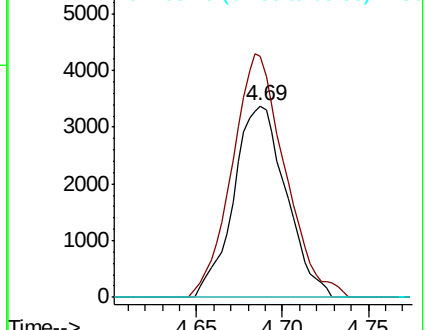


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 1.238 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Tgt Ion: 128 Resp: 3195

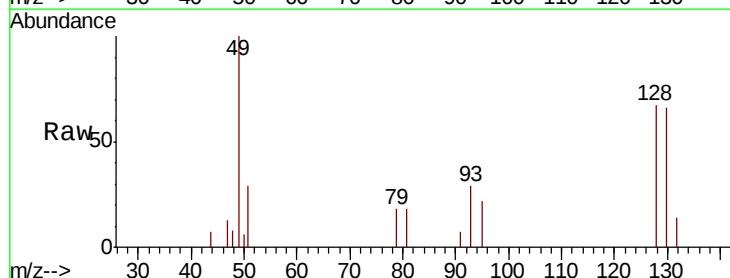
Ion Ratio Lower Upper

128 100

49 149.8 121.2 225.2

130 99.4 90.2 167.6

51 43.2 47.2 70.8#



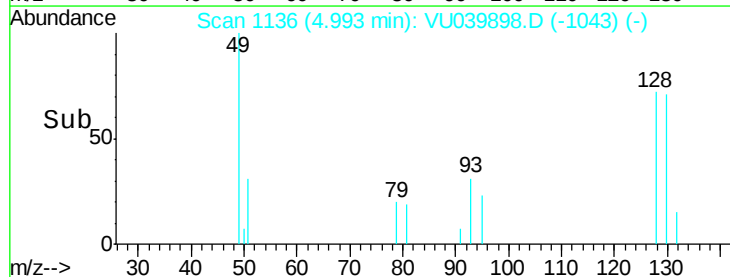
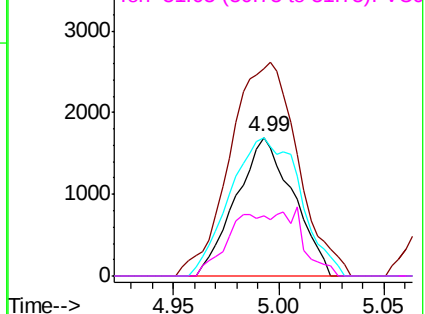
Abundance

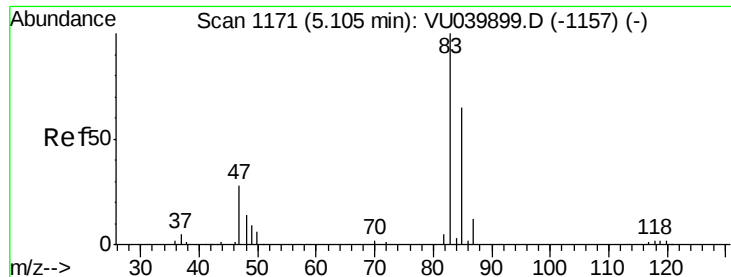
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

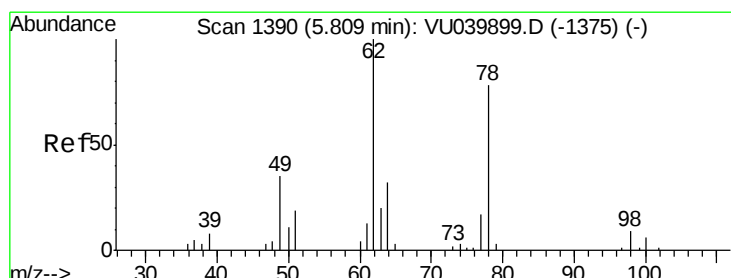
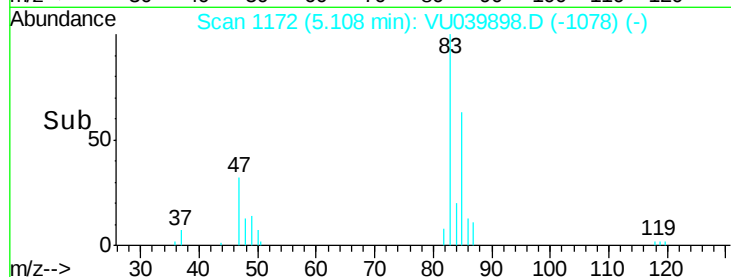
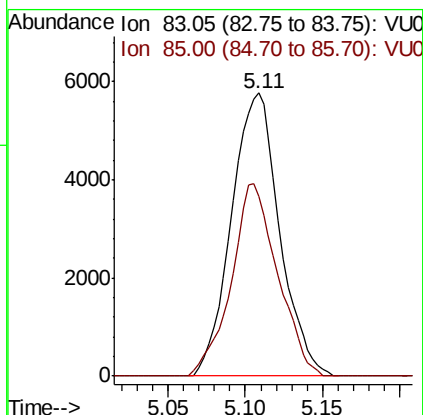
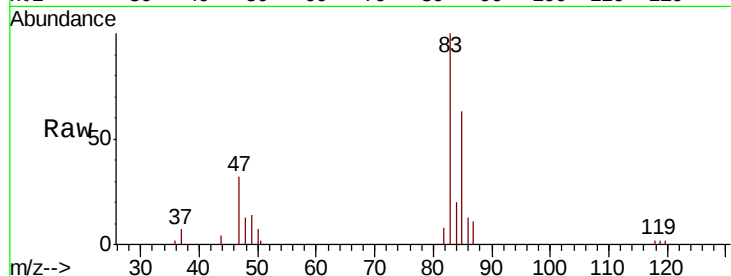




#25
Chloroform
Concen: 1.251 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

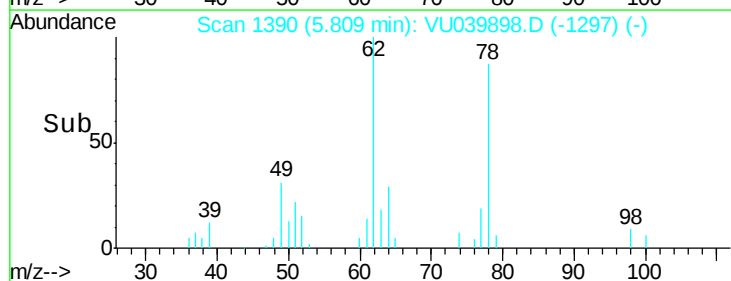
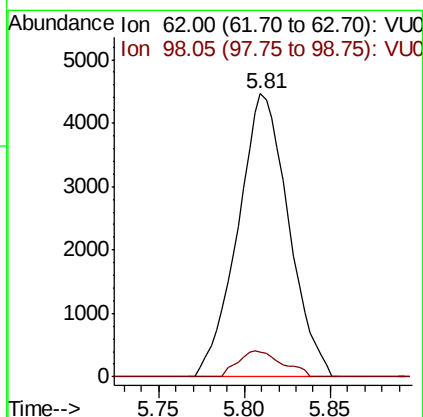
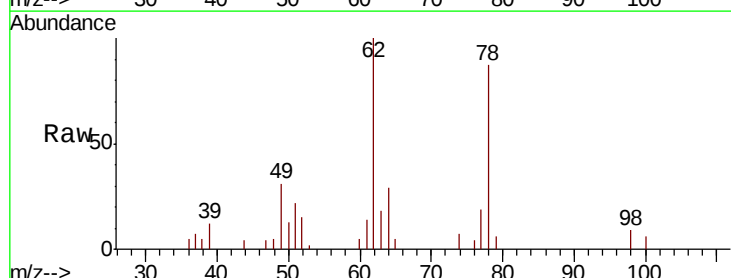
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

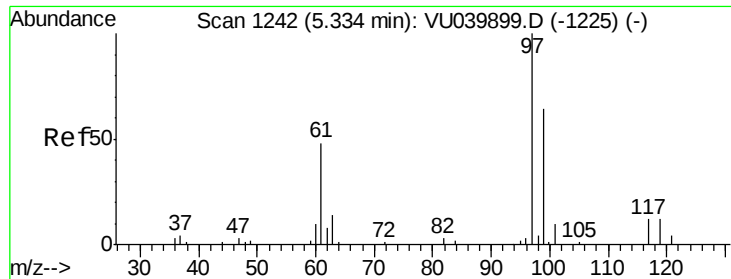
Tot Ion: 83 Resp: 12477
Ion Ratio Lower Upper
83 100
85 63.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 1.322 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

Tgt Ion: 62 Resp: 9146
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2

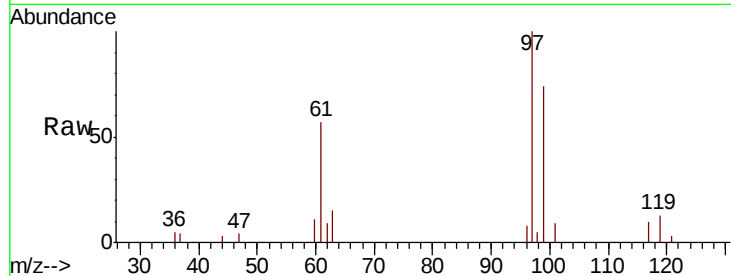




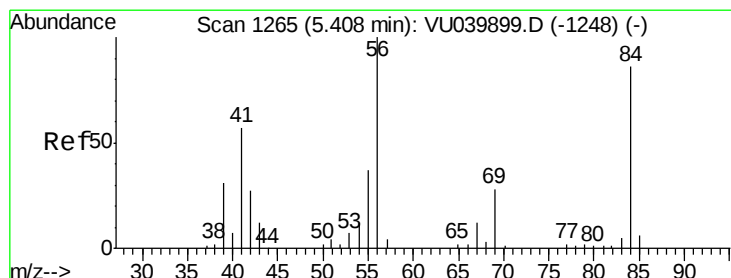
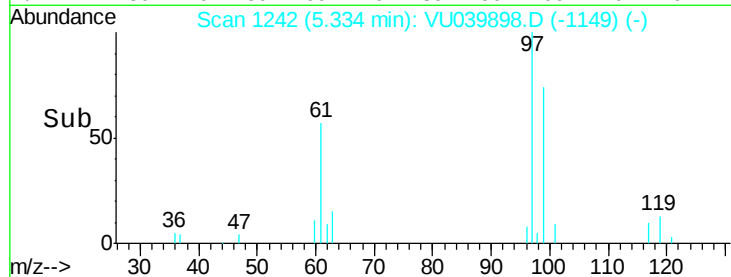
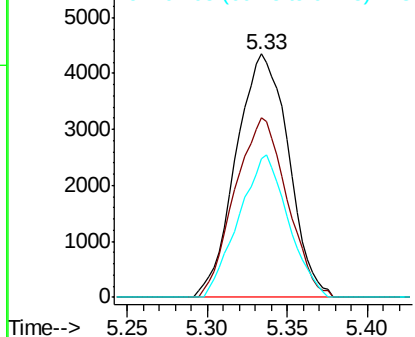
#29
 1,1,1-Trichloroethane
 Concen: 1.134 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion: 97 Resp: 9789
 Ion Ratio Lower Upper
 97 100
 99 73.4 51.4 77.2
 61 54.8 39.1 58.7

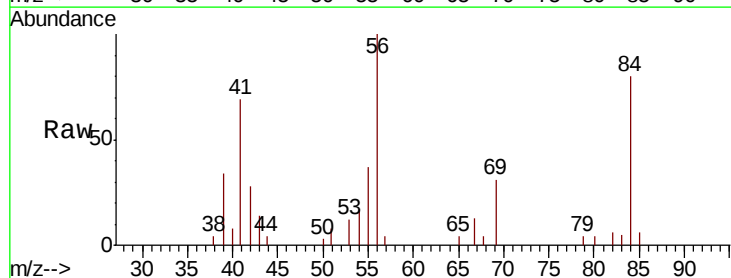


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

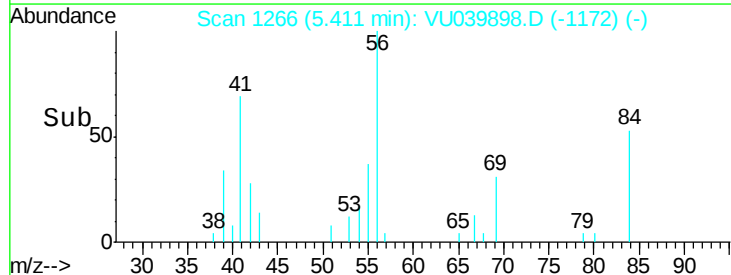
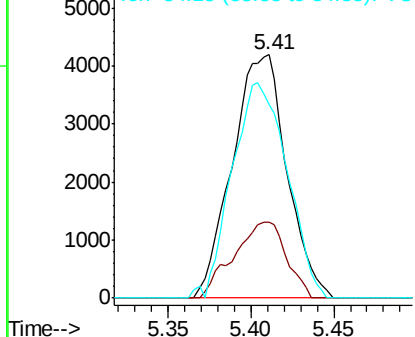


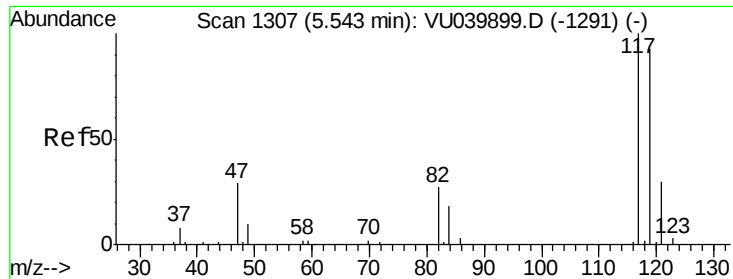
#30
 Cyclohexane
 Concen: 1.134 ug/L
 RT: 5.41 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 56 Resp: 9591
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.1 34.7
 84 89.2 69.0 103.6



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: 1.092 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

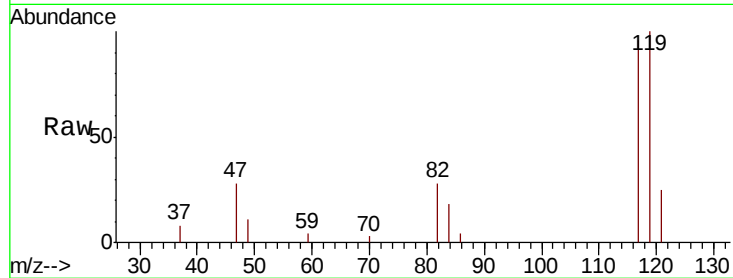
VSTD00103

Tot Ion:117 Resp: 8578

Ion Ratio Lower Upper

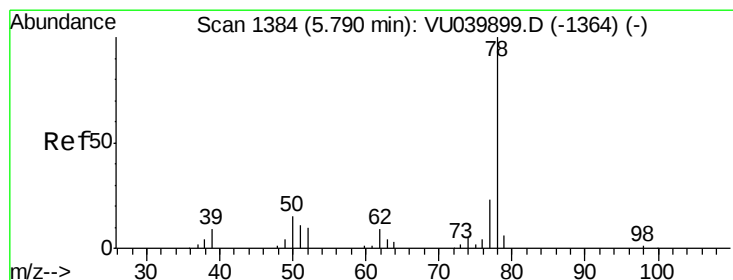
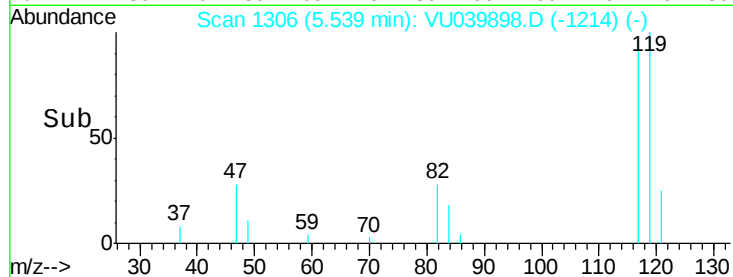
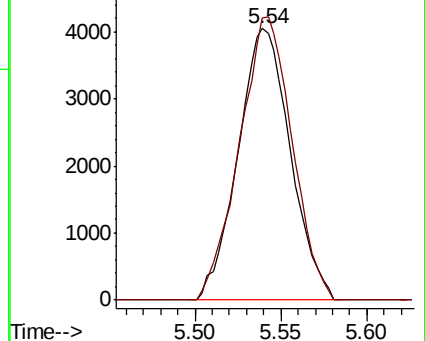
117 100

119 104.8 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.233 ug/L

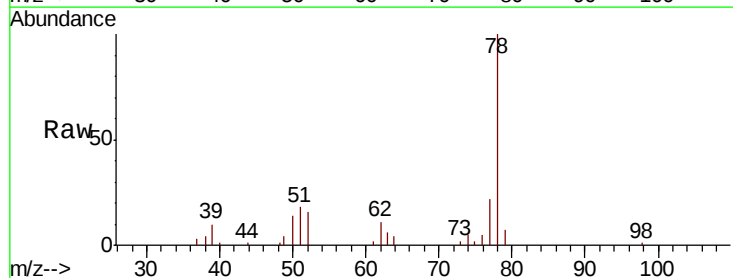
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

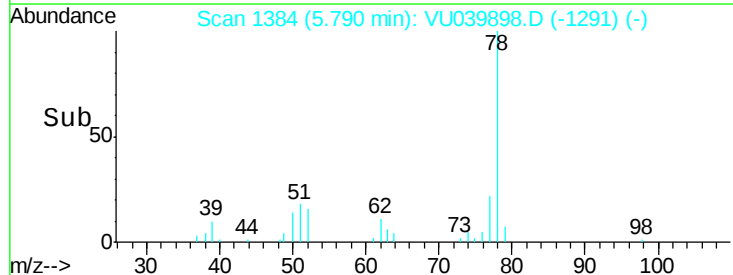
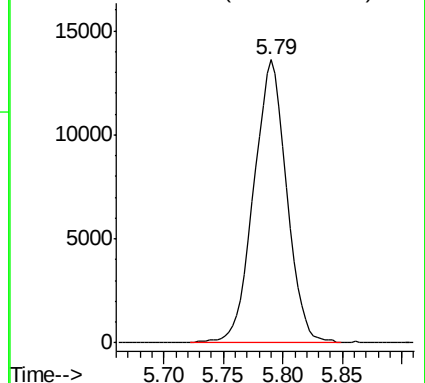
Lab File: VU039898.D

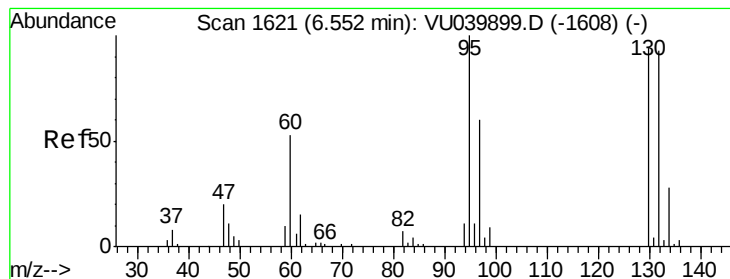
Acq: 19 Aug 2020 09:55

Tgt Ion: 78 Resp: 26118



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.214 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tot Ion: 95 Resp: 6655

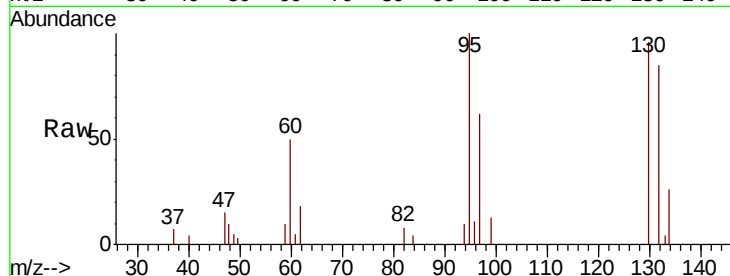
Ion Ratio Lower Upper

95 100

97 62.0 42.0 78.0

132 84.9 65.0 120.8

130 96.4 65.5 121.7

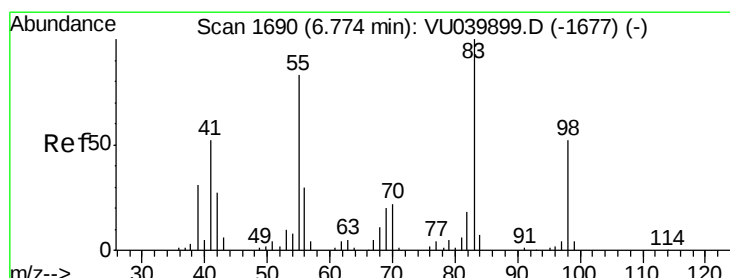
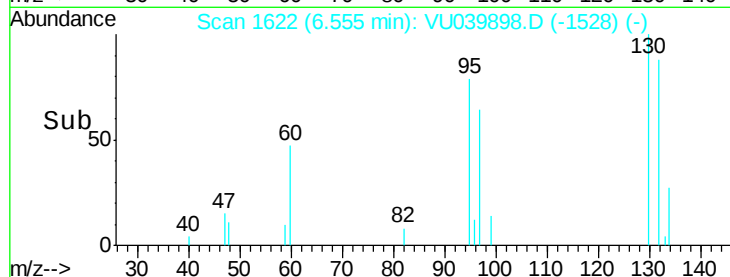
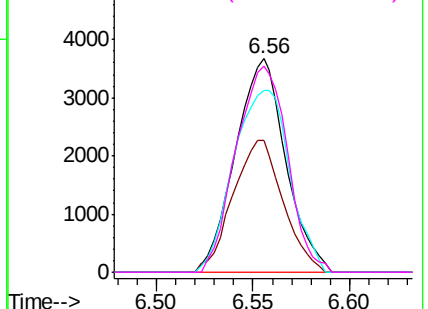


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.086 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

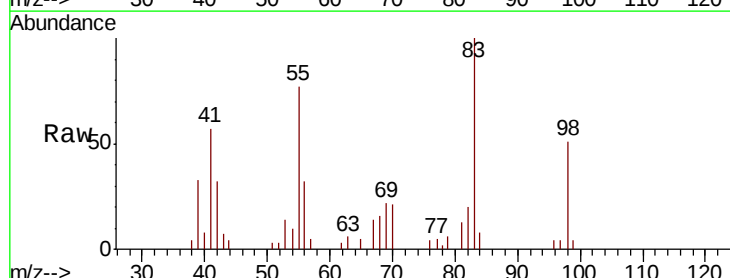
Tgt Ion: 83 Resp: 9431

Ion Ratio Lower Upper

83 100

55 80.9 64.1 96.1

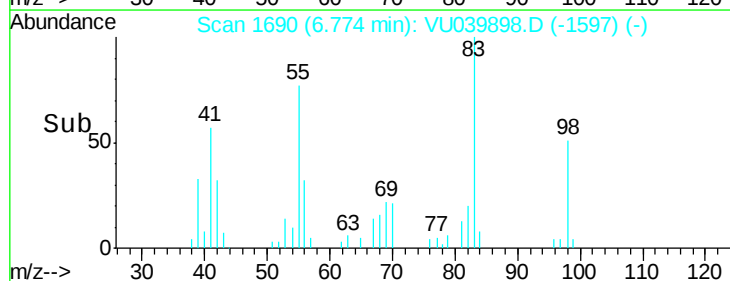
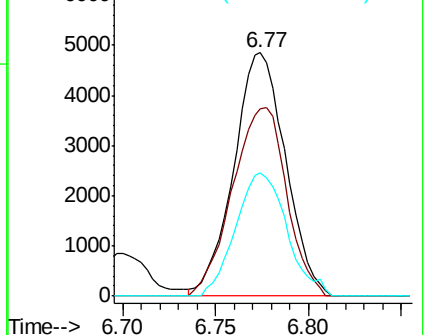
98 50.2 39.4 59.0

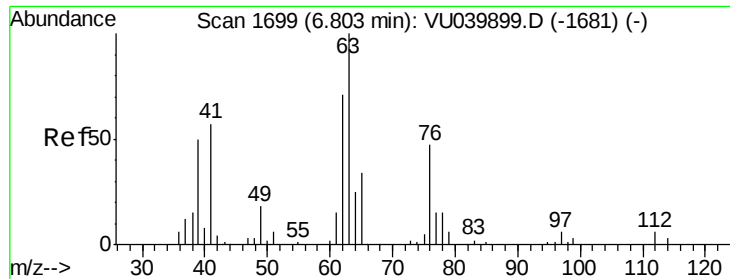


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

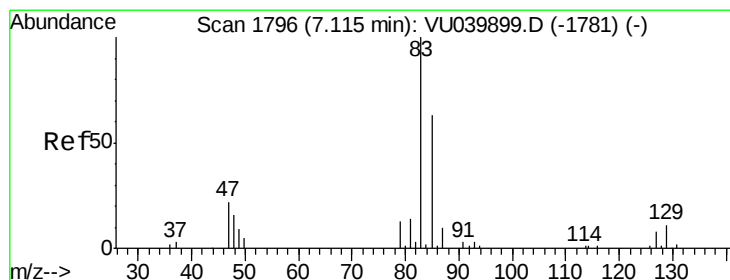
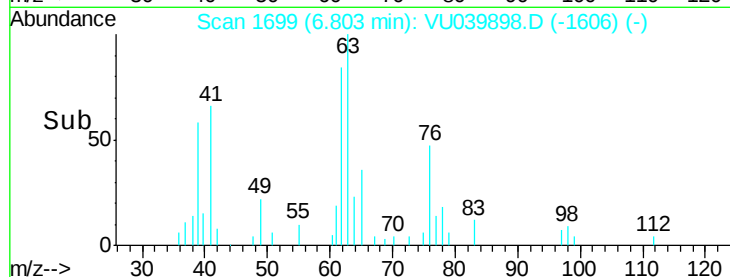
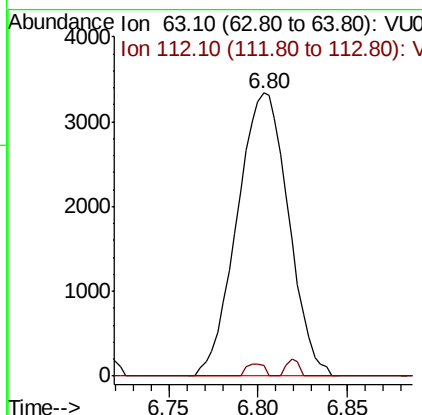
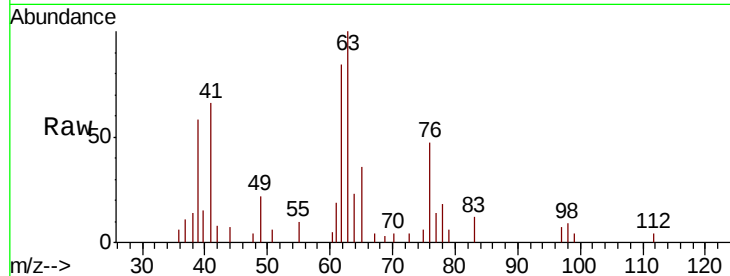




#37
 1,2-Dichloropropane
 Concen: 1.189 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

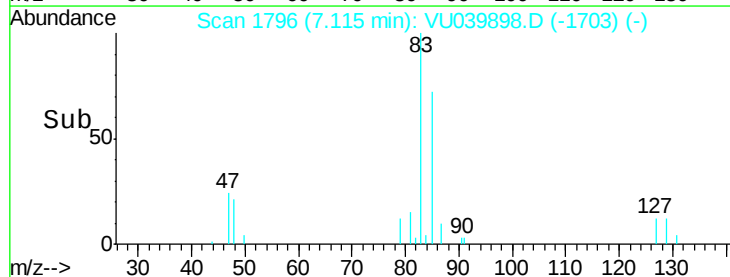
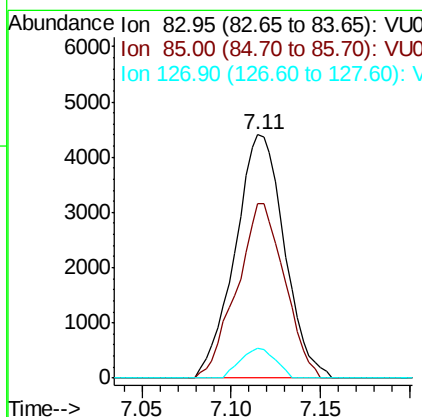
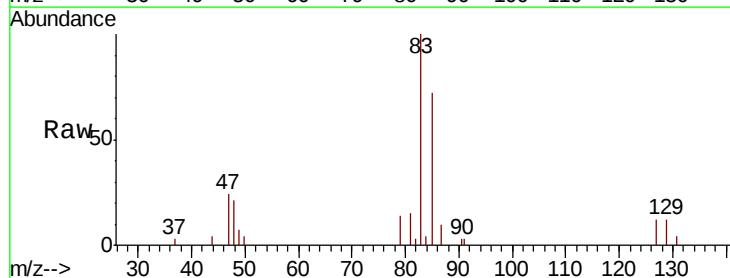
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

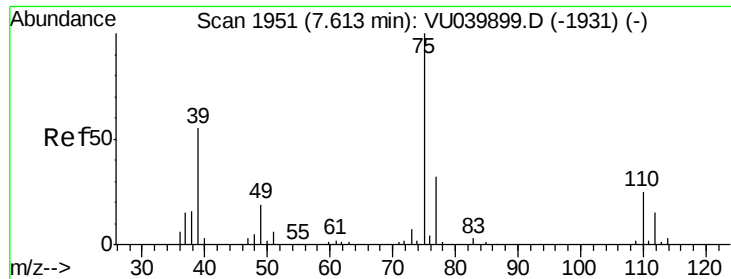
Tot Ion: 63 Resp: 6702
 Ion Ratio Lower Upper
 63 100
 112 1.4 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 1.155 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 83 Resp: 8477
 Ion Ratio Lower Upper
 83 100
 85 71.5 44.3 82.3
 127 12.1 6.7 10.1#

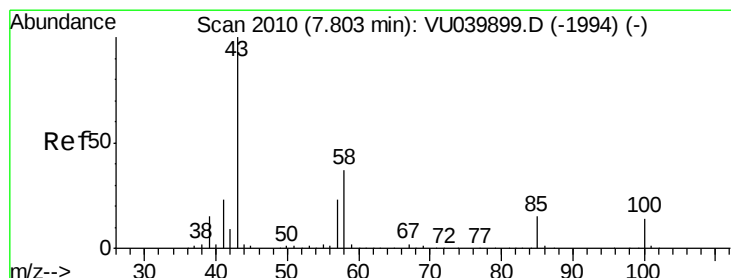
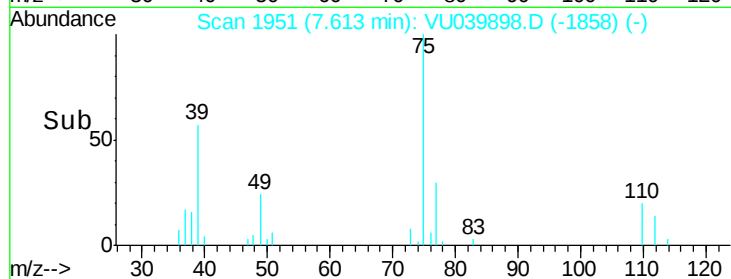
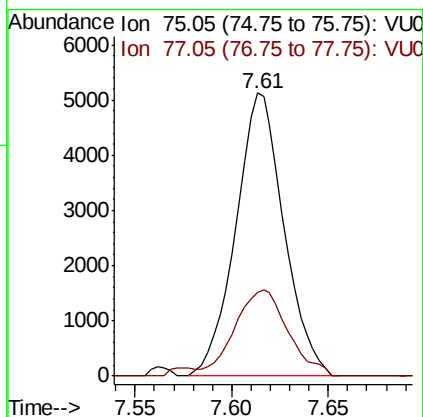
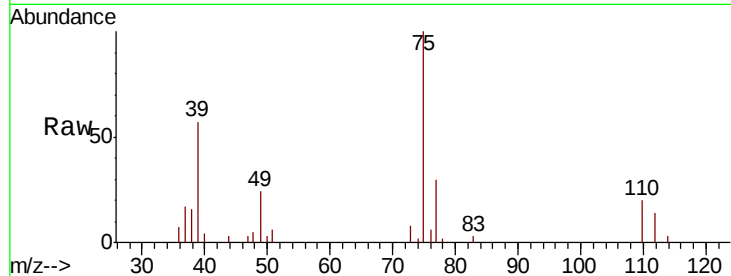




#39
 cis-1,3-Dichloropropene
 Concen: 1.141 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

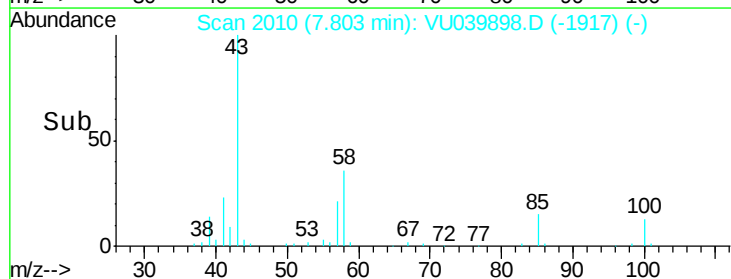
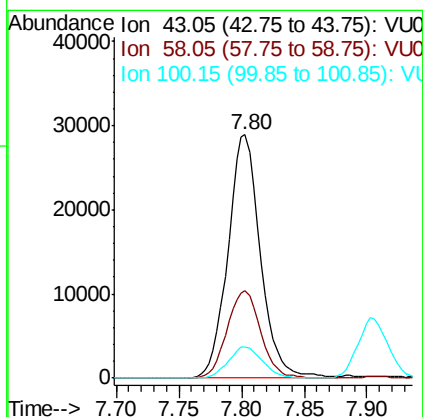
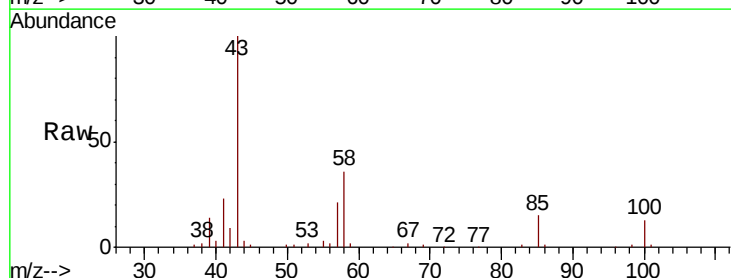
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

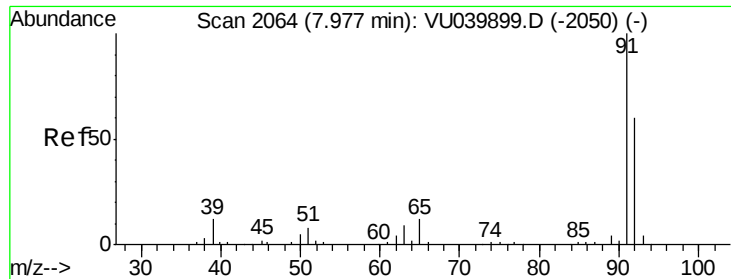
Tot Ion: 75 Resp: 8863
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 12.239 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 43 Resp: 51992
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.7 44.5
 100 13.3 11.2 16.8





#42

Toluene

Concen: 1.170 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

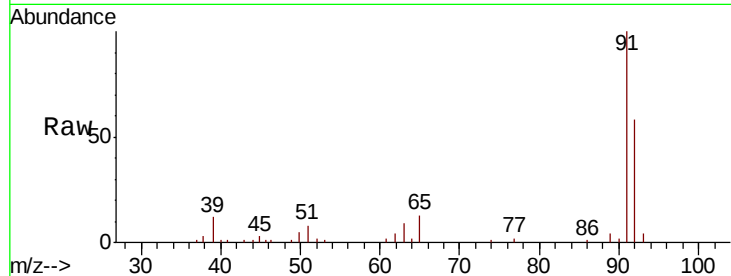
VSTD00103

Tot Ion: 91 Resp: 26044

Ion Ratio Lower Upper

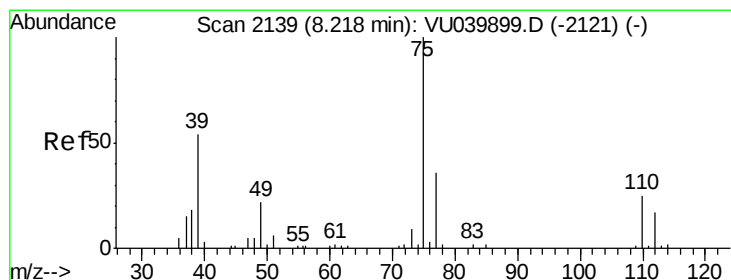
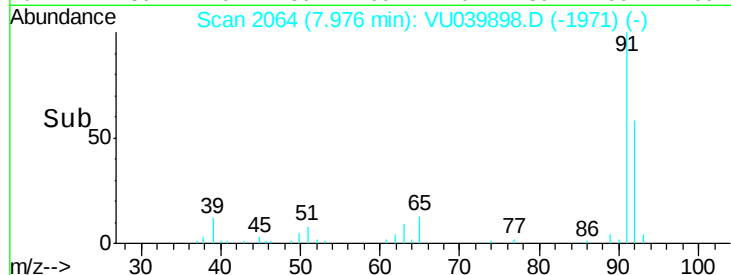
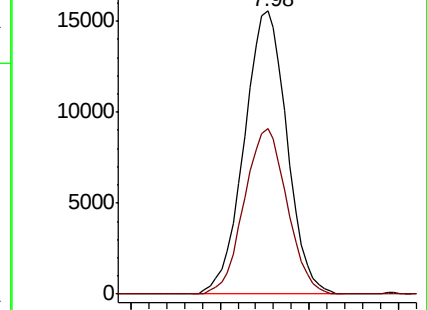
91 100

92 58.4 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039899.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039899.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.274 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039898.D

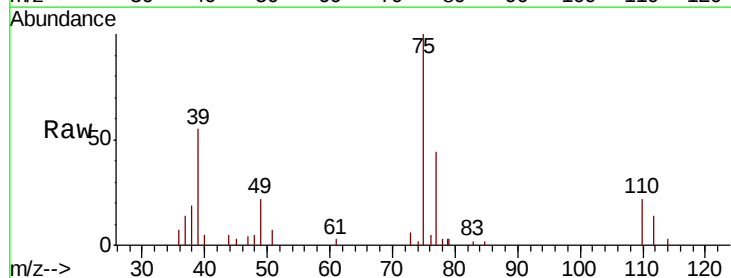
Acq: 19 Aug 2020 09:55

Tgt Ion: 75 Resp: 8802

Ion Ratio Lower Upper

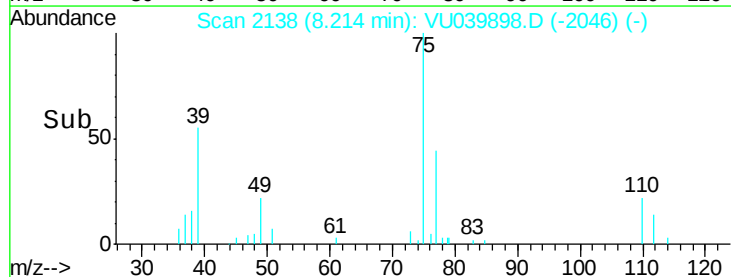
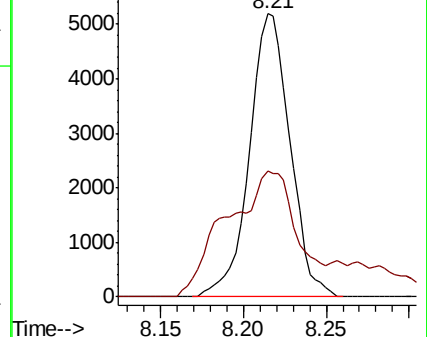
75 100

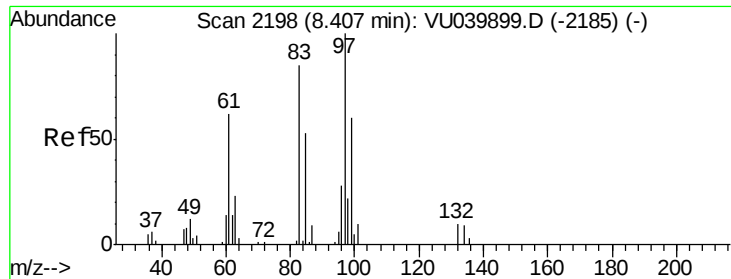
77 44.3 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039899.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039899.D (-2121) (-)

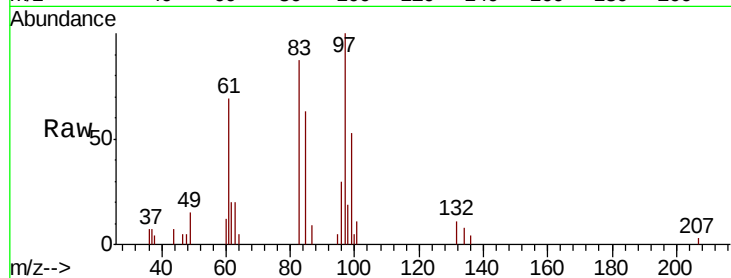




#45
 1,1,2-Trichloroethane
 Concen: 1.286 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:	97	Resp:	5416
Ion	Ratio	Lower	Upper
97	100		
99	53.3	42.1	78.3
83	87.5	59.3	110.1
85	62.8	37.2	69.2



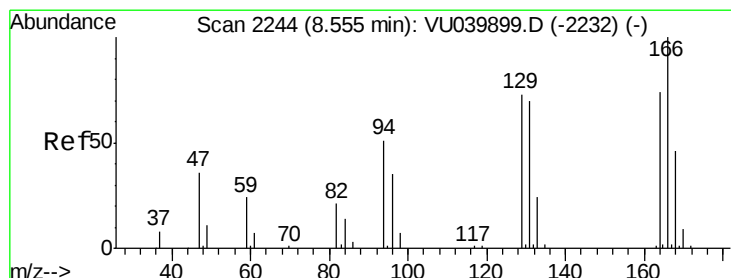
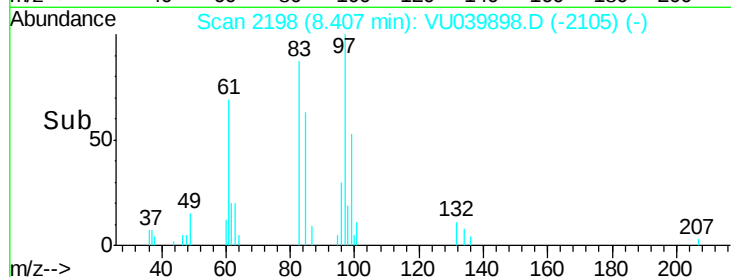
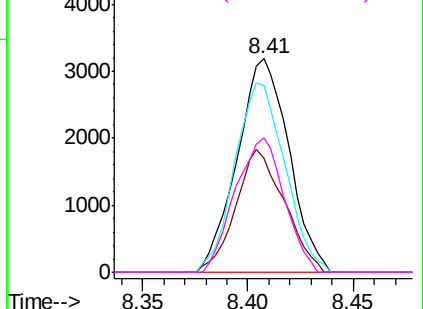
Abundance

Ion 96.95 (96.65 to 97.65): VU039898.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU039898.D (-2185) (-)

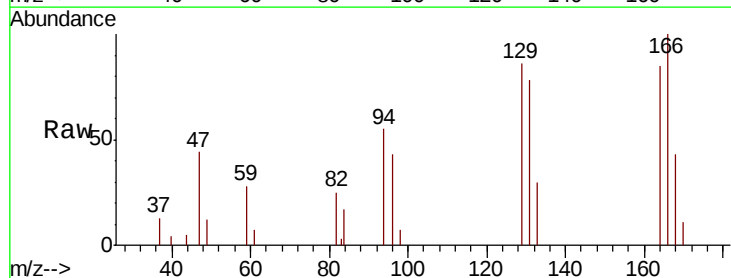
Ion 82.95 (82.65 to 83.65): VU039898.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039898.D (-2185) (-)



#47
 Tetrachloroethene
 Concen: 1.134 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion:	164	Resp:	5047
Ion	Ratio	Lower	Upper
164	100		
129	101.5	69.1	128.3
131	92.5	66.0	122.6
166	118.0	94.0	174.6



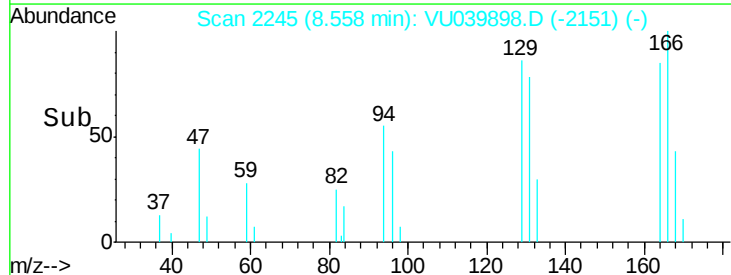
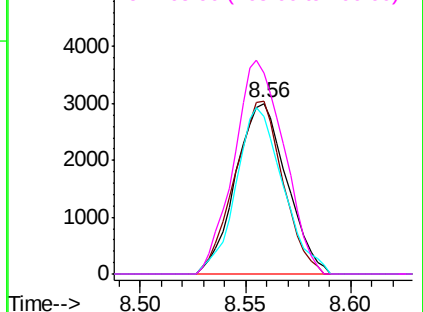
Abundance

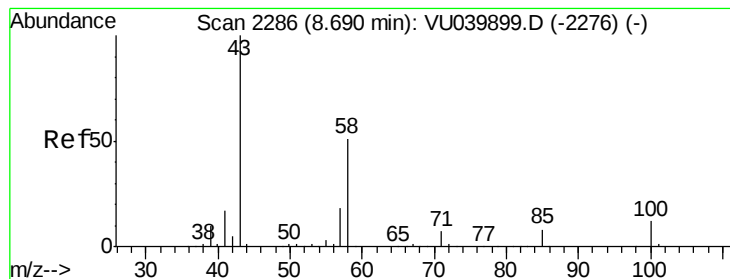
Ion 163.90 (163.60 to 164.60): VU039898.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039898.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039898.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039898.D (-2232) (-)





#48

2-Hexanone

Concen: 11.818 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tot Ion: 43 Resp: 36178

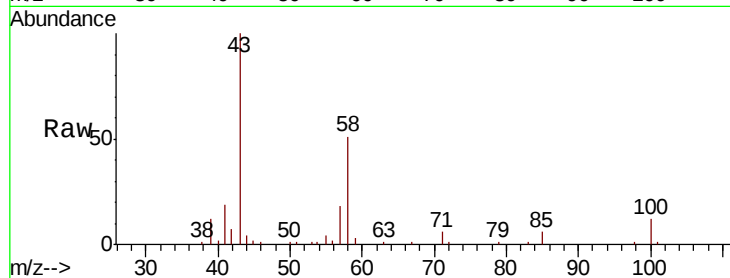
Ion Ratio Lower Upper

43 100

58 53.1 41.3 61.9

57 17.2 14.1 21.1

100 10.8 9.1 13.7



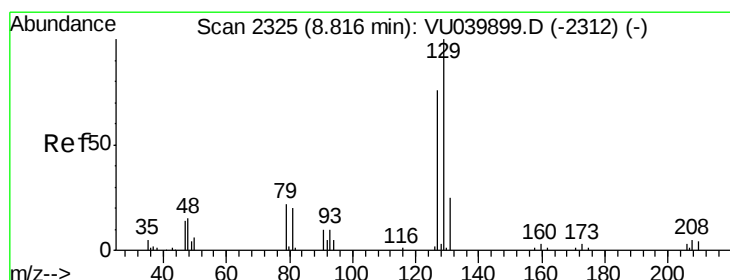
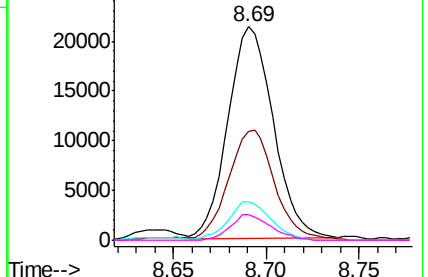
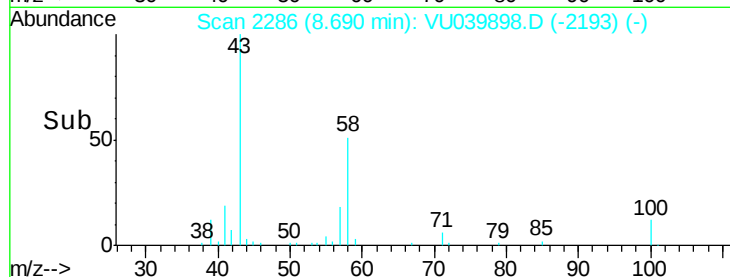
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

Time-->



#49

Dibromochloromethane

Concen: 1.172 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU039898.D

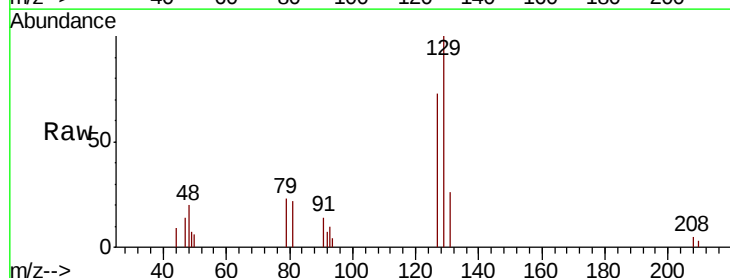
Acq: 19 Aug 2020 09:55

Tgt Ion: 129 Resp: 6038

Ion Ratio Lower Upper

129 100

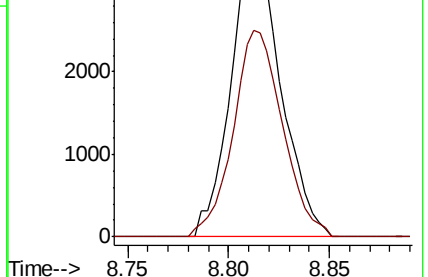
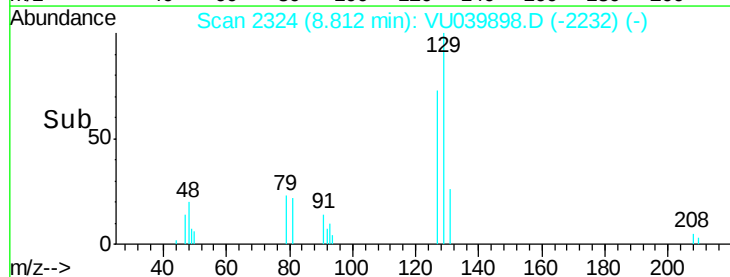
127 73.0 53.1 98.7

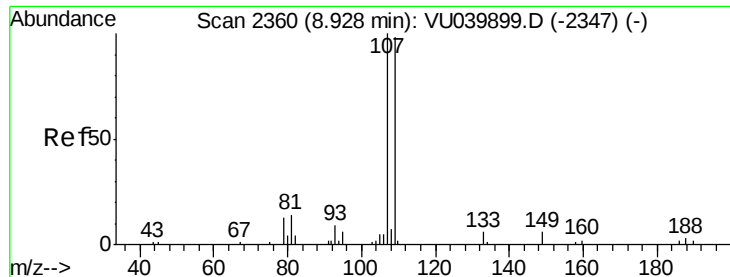


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->

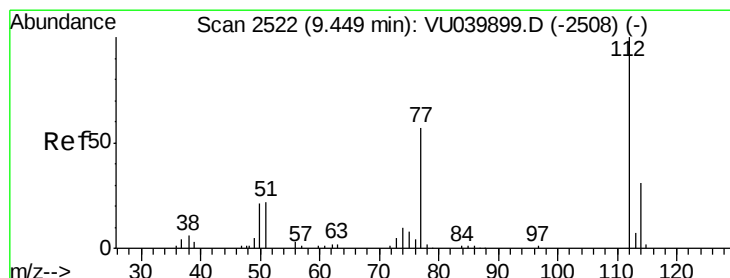
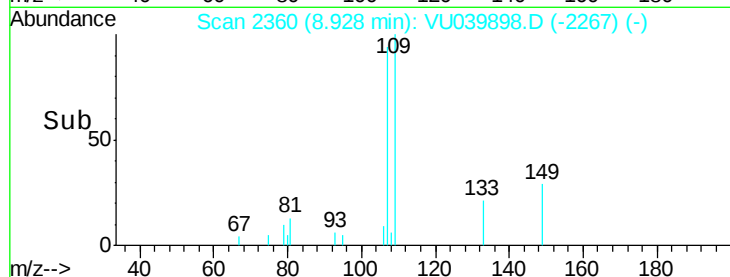
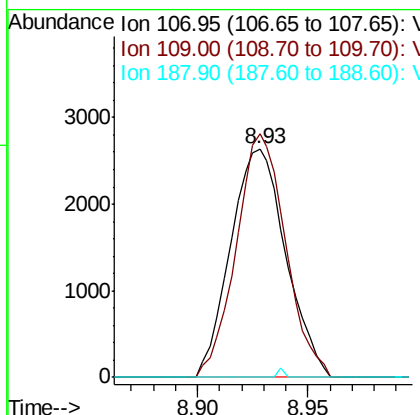
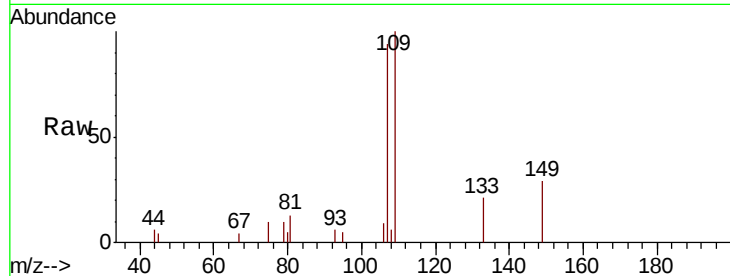




#50
1,2-Dibromoethane
Concen: 1.117 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

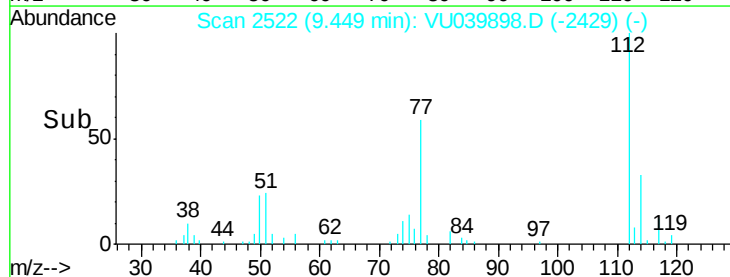
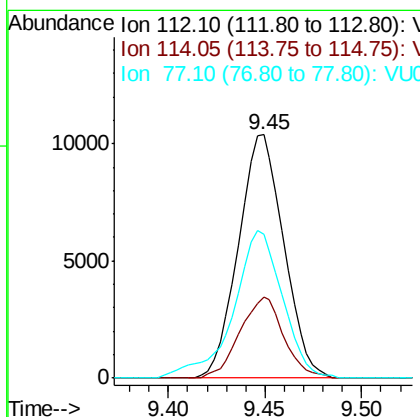
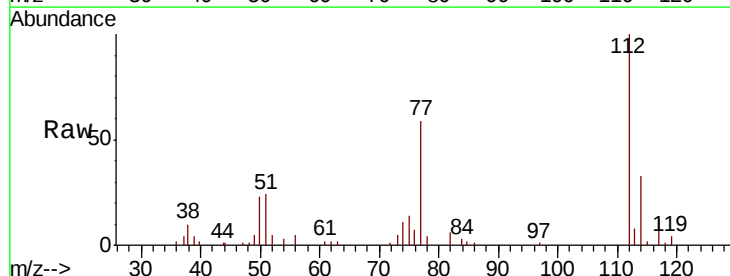
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

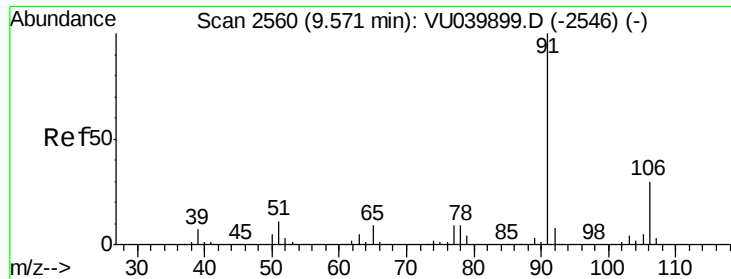
Tot Ion:107 Resp: 4583
Ion Ratio Lower Upper
107 100
109 106.6 68.3 126.9
188 0.0 2.2 3.4#



#51
Chlorobenzene
Concen: 1.147 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039898.D
Acq: 19 Aug 2020 09:55

Tgt Ion:112 Resp: 16955
Ion Ratio Lower Upper
112 100
114 33.4 21.8 40.4
77 58.9 45.4 68.0





#52

Ethylbenzene

Concen: 1.101 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

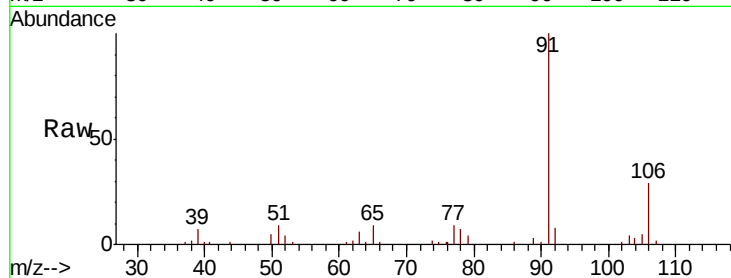
VSTD00103

Tot Ion: 91 Resp: 27143

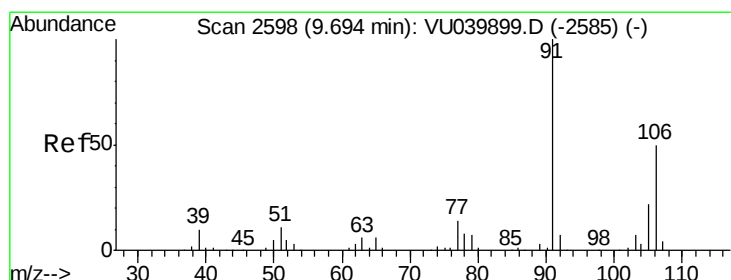
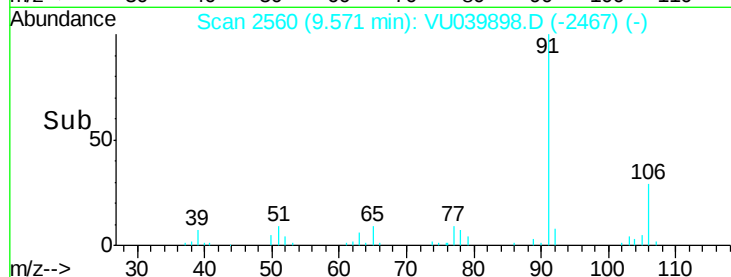
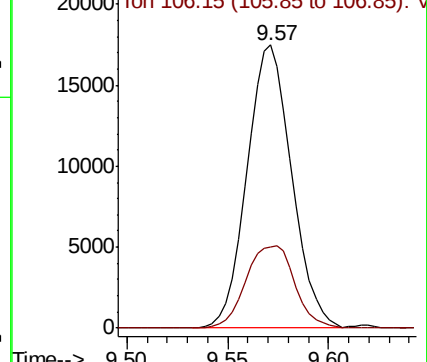
Ion Ratio Lower Upper

91 100

106 28.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039899.D (-2546) (-)



#53

m,p-Xylene

Concen: 1.092 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039898.D

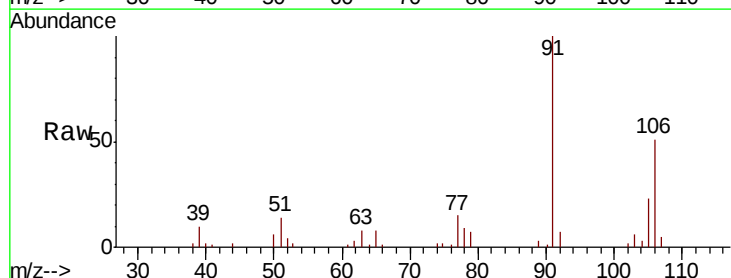
Acq: 19 Aug 2020 09:55

Tgt Ion: 106 Resp: 10262

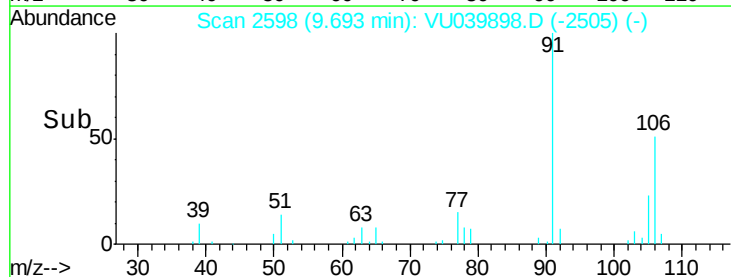
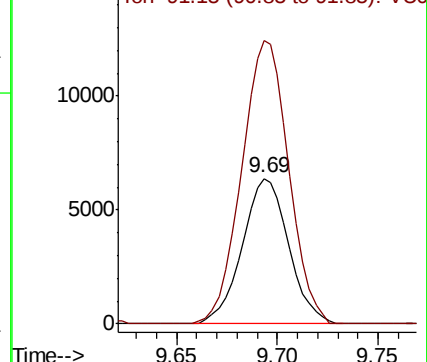
Ion Ratio Lower Upper

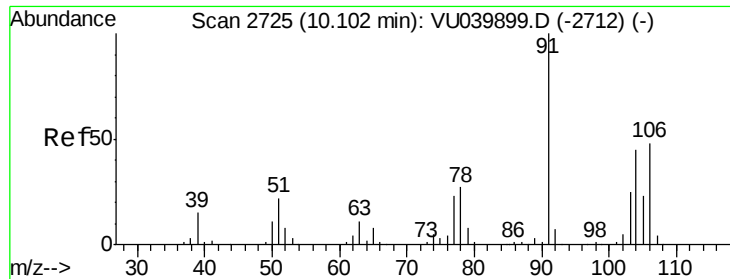
106 100

91 194.3 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039899.D (-2585) (-)





#54

o-Xylene

Concen: 1.035 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

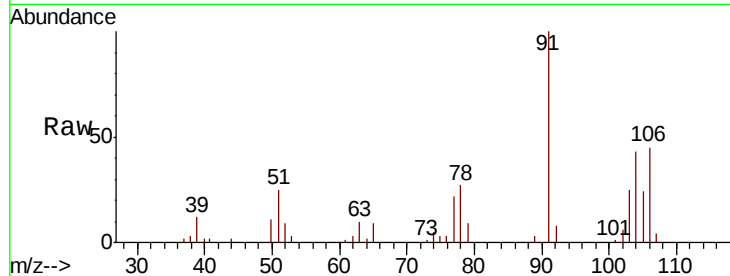
VSTD00103

Tot Ion:106 Resp: 9459

Ion Ratio Lower Upper

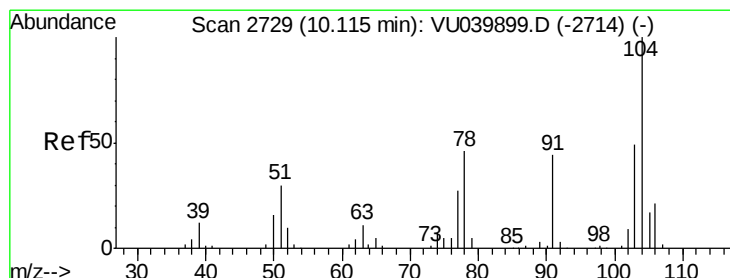
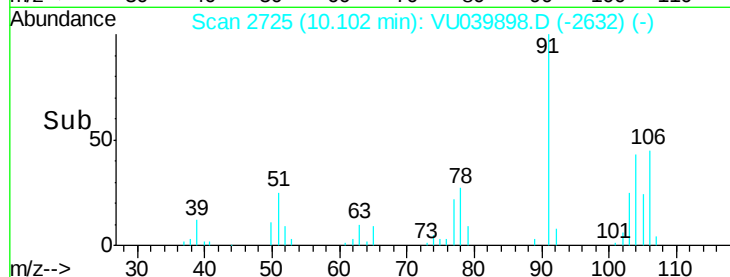
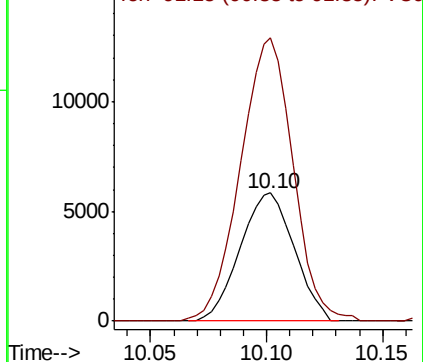
106 100

91 221.0 144.6 268.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.047 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU039898.D

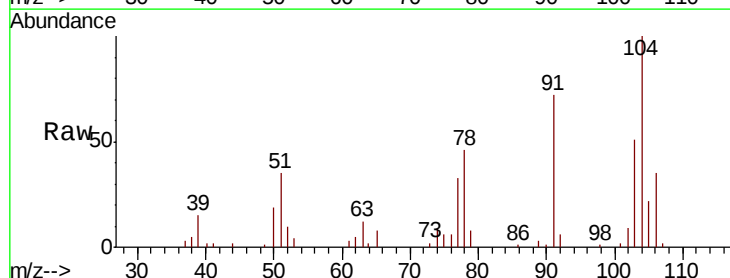
Acq: 19 Aug 2020 09:55

Tgt Ion:104 Resp: 16268

Ion Ratio Lower Upper

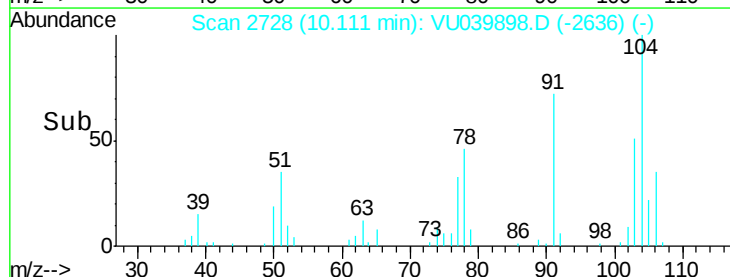
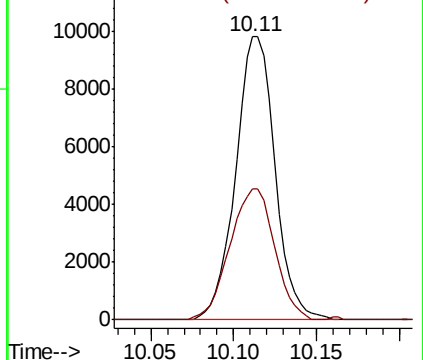
104 100

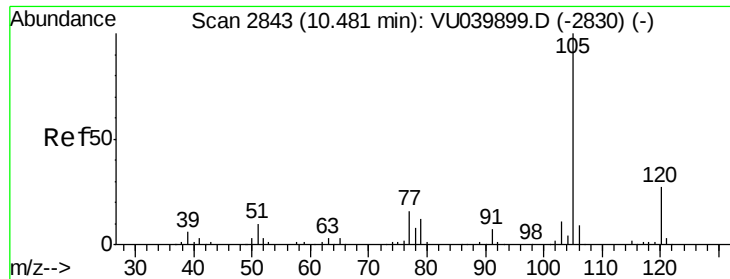
78 46.1 32.3 59.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.029 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

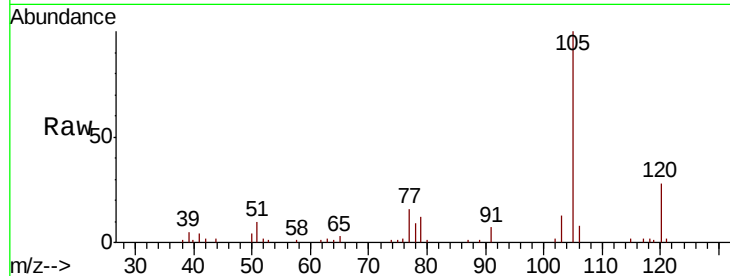
Tot Ion:105 Resp: 25190

Ion Ratio Lower Upper

105 100

120 27.8 21.5 32.3

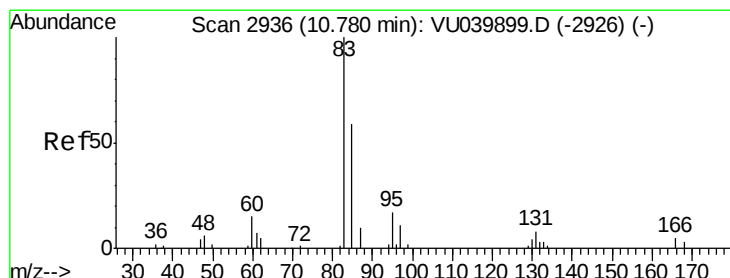
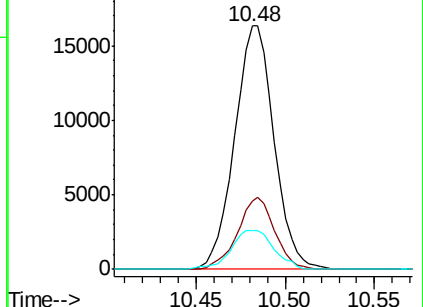
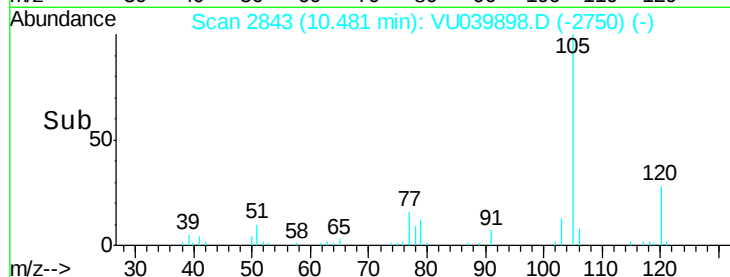
77 17.4 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.176 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

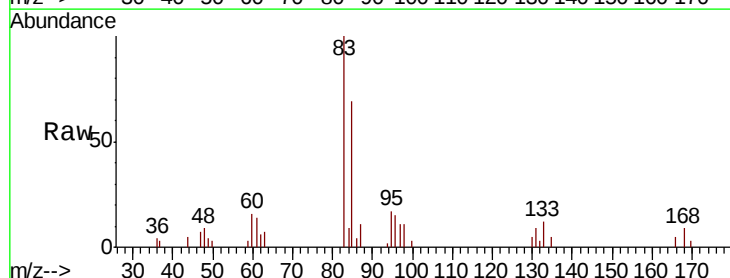
Tgt Ion: 83 Resp: 6752

Ion Ratio Lower Upper

83 100

85 68.9 42.8 79.6

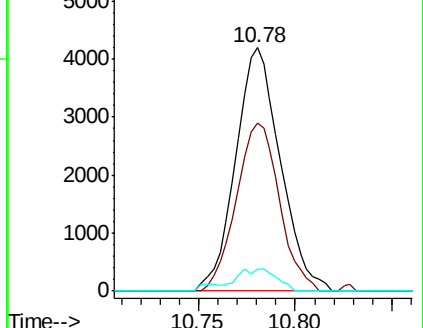
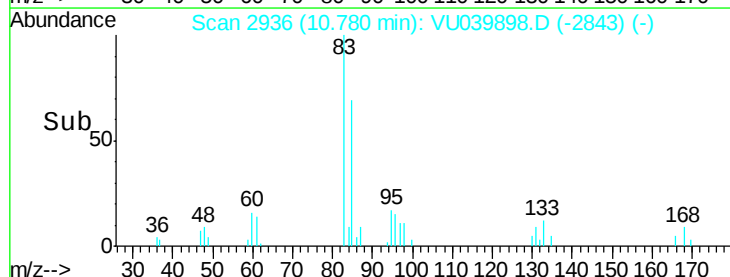
131 9.1 7.4 11.2

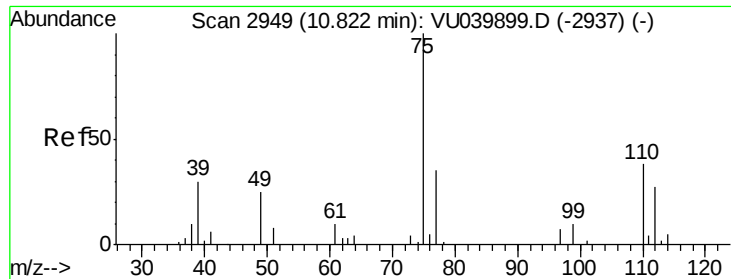


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

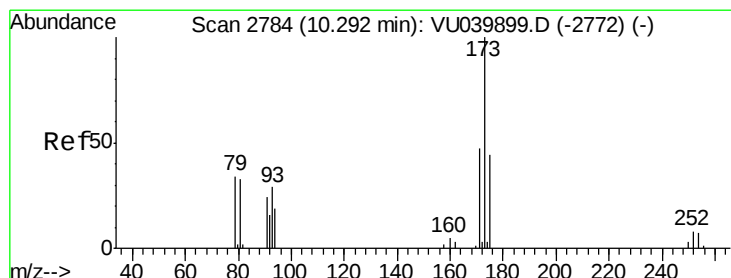
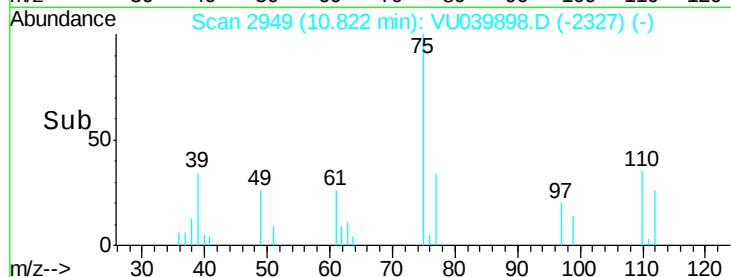
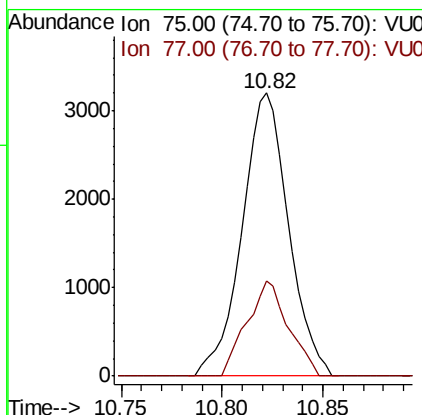
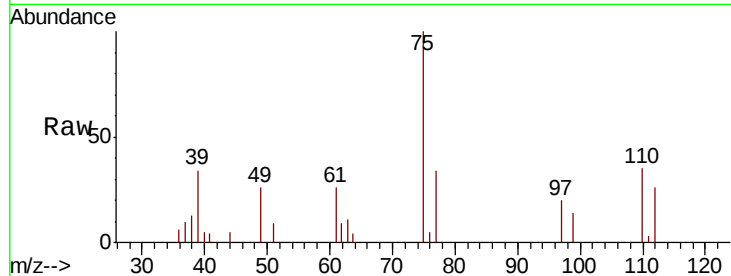




#59
 1,2,3-Trichloropropane
 Concen: 1.279 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

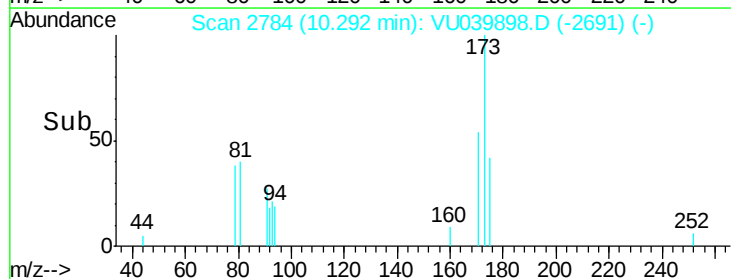
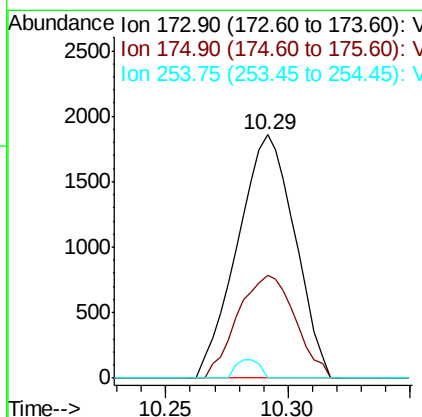
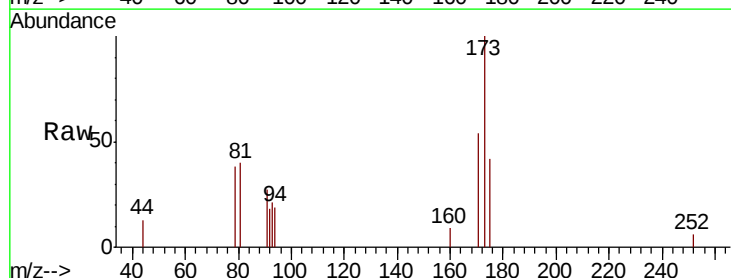
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

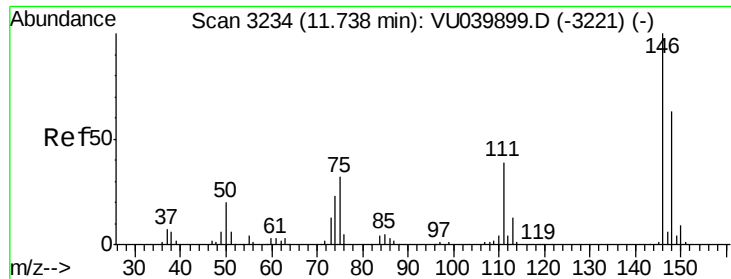
Tot Ion: 75 Resp: 5151
 Ion Ratio Lower Upper
 75 100
 77 30.1 27.4 41.2



#61
 Bromoform
 Concen: 1.142 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion: 173 Resp: 3022
 Ion Ratio Lower Upper
 173 100
 175 42.4 37.6 56.4
 254 3.2 5.8 8.8#





#62

1,3-Dichlorobenzene

Concen: 1.164 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampled :

VSTD00103

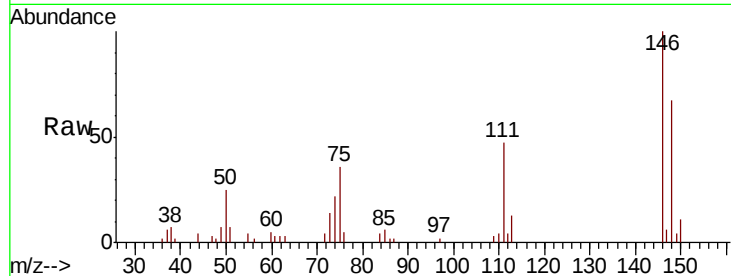
Tot Ion:146 Resp: 13246

Ion Ratio Lower Upper

146 100

111 46.7 27.6 51.4

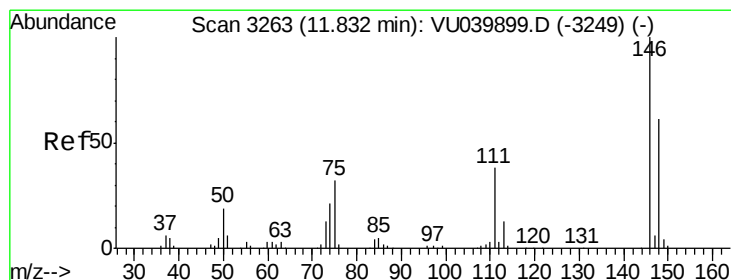
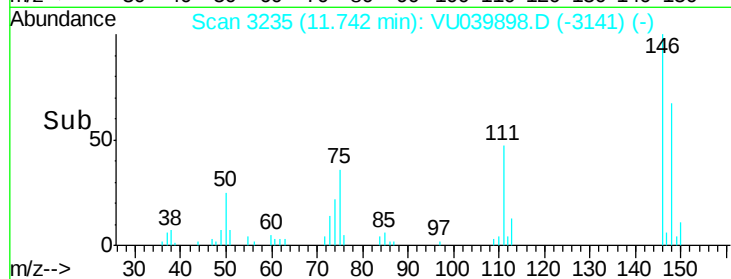
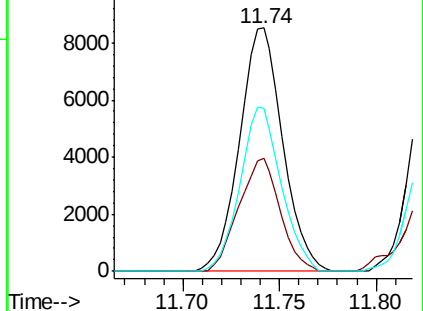
148 67.0 43.8 81.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.130 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

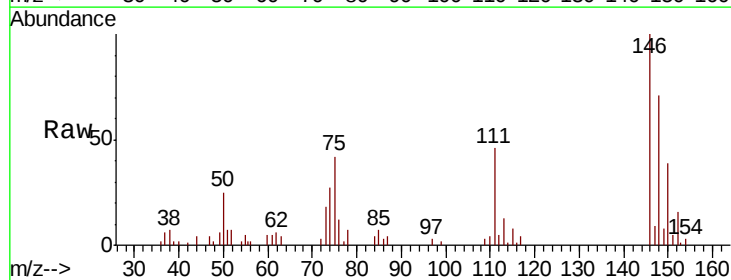
Tgt Ion:146 Resp: 13434

Ion Ratio Lower Upper

146 100

111 45.6 26.5 49.1

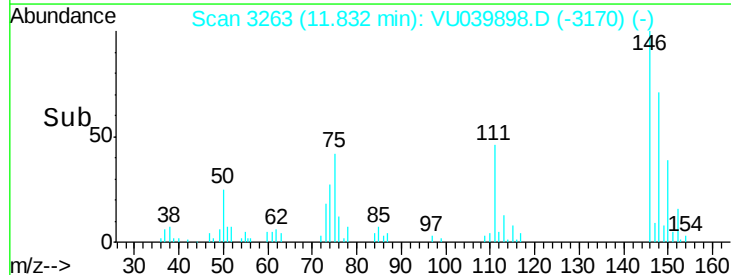
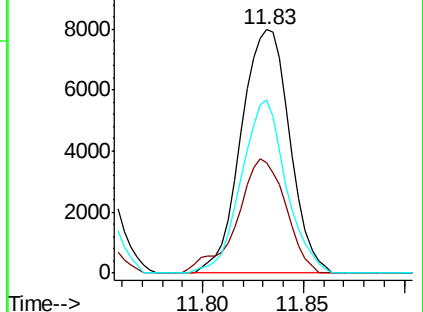
148 71.2 42.8 79.4

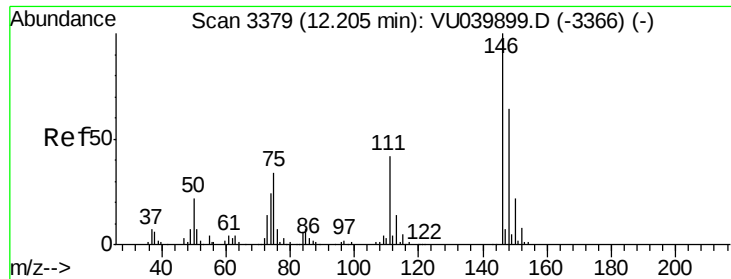


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.096 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

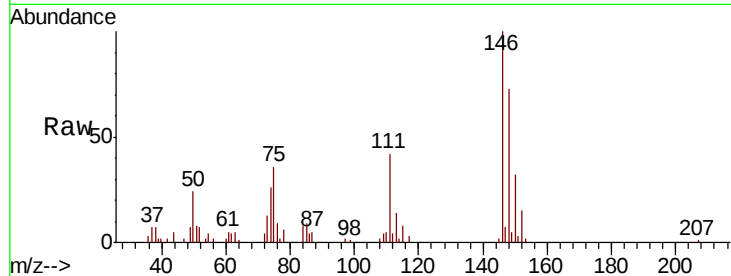
Tot Ion:146 Resp: 12191

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.0

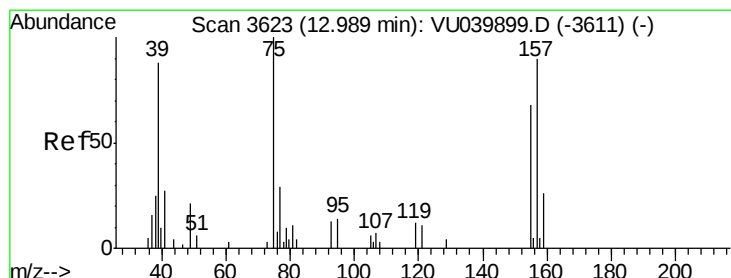
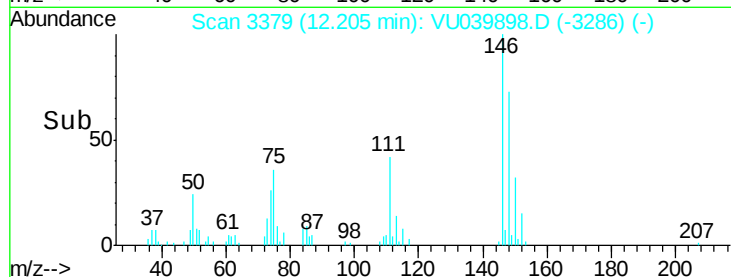
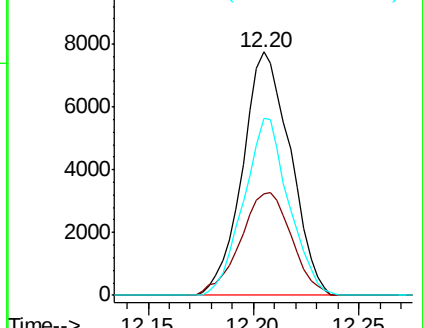
148 72.6 51.4 77.0



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: 1.188 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

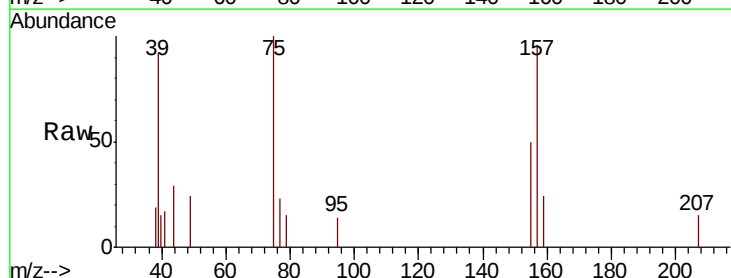
Tgt Ion: 75 Resp: 1022

Ion Ratio Lower Upper

75 100

155 49.9 54.6 82.0#

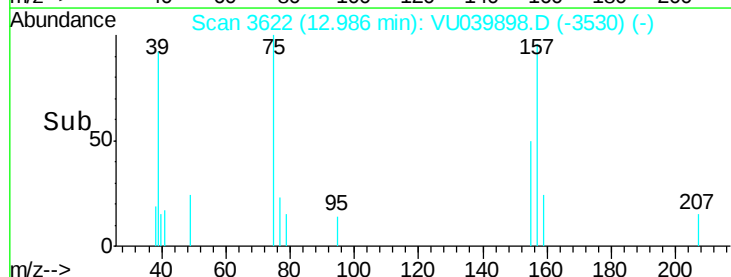
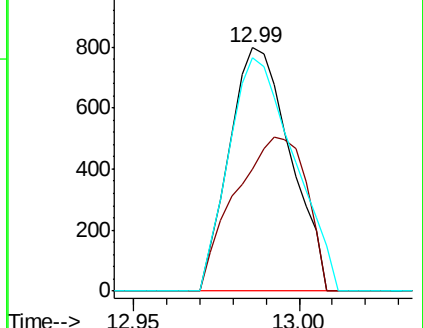
157 96.0 72.2 108.4

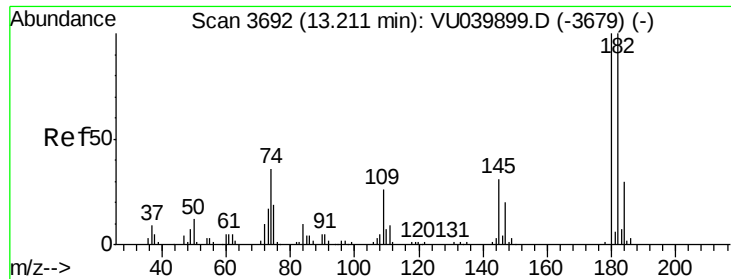


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

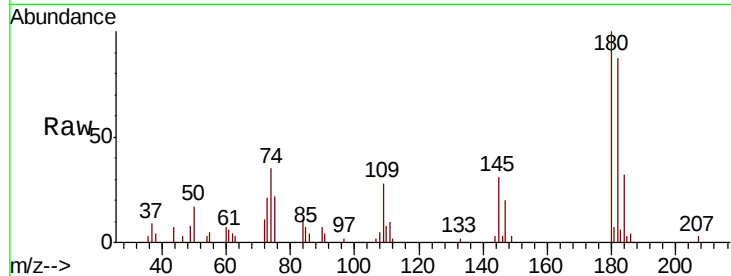




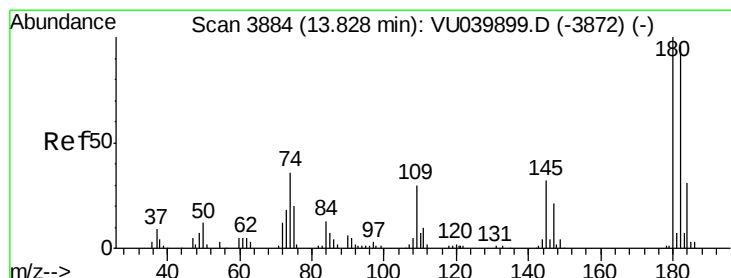
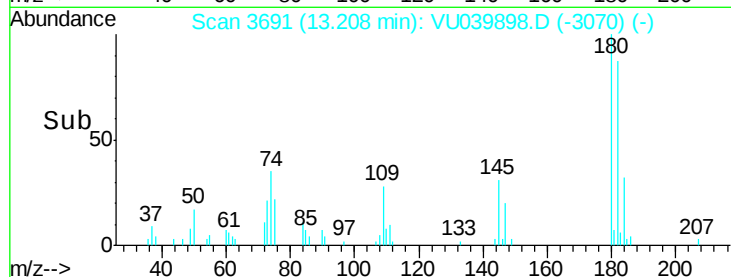
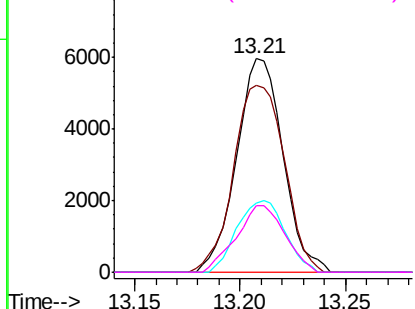
#67
 1,3,5-Trichlorobenzene
 Concen: 1.070 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:180 Resp: 9137
 Ion Ratio Lower Upper
 180 100
 182 95.7 79.2 118.8
 184 34.3 24.6 36.8
 145 32.6 25.7 38.5

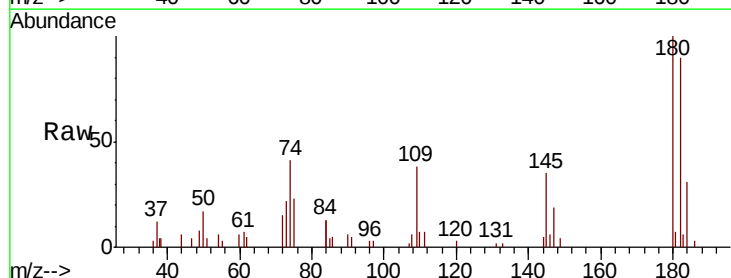


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

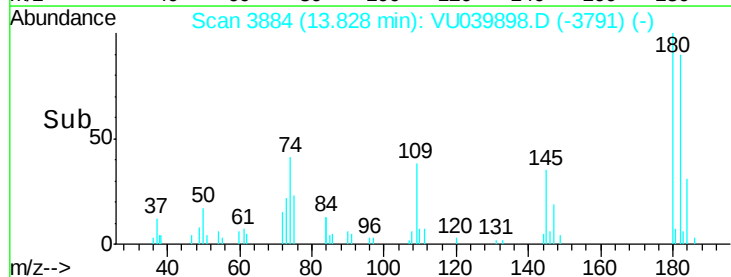
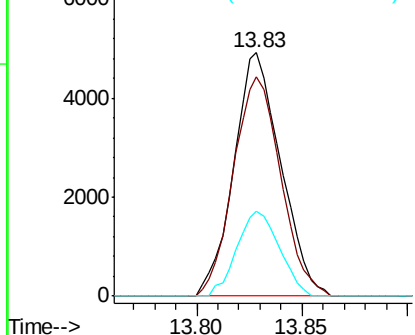


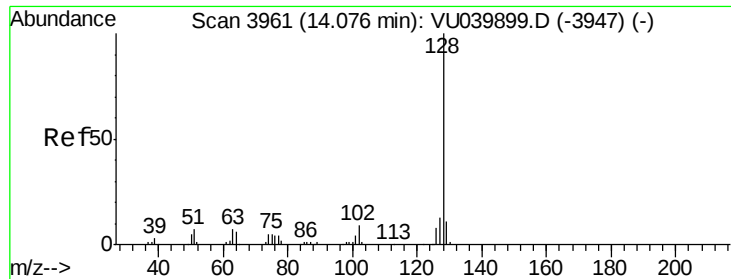
#68
 1,2,4-trichlorobenzene
 Concen: 1.057 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039898.D
 Acq: 19 Aug 2020 09:55

Tgt Ion:180 Resp: 7578
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.2 112.8
 145 31.6 24.6 36.8



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: 0.995 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

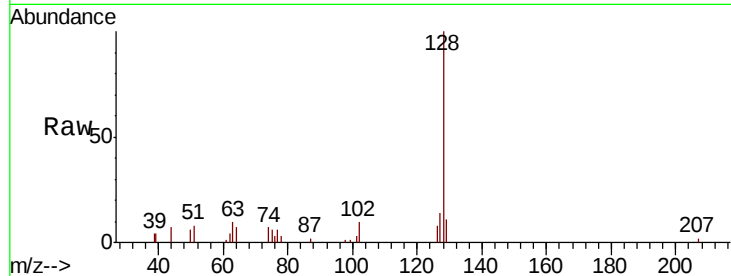
Tot Ion:128 Resp: 12871

Ion Ratio Lower Upper

128 100

129 11.9 8.5 12.7

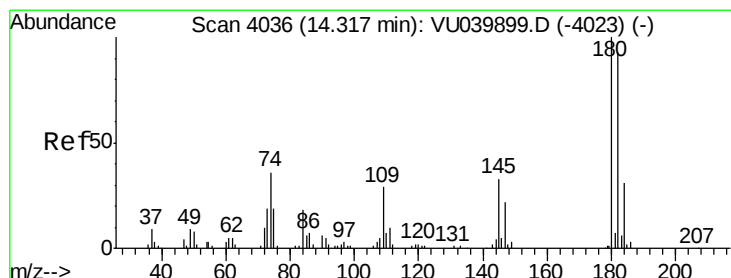
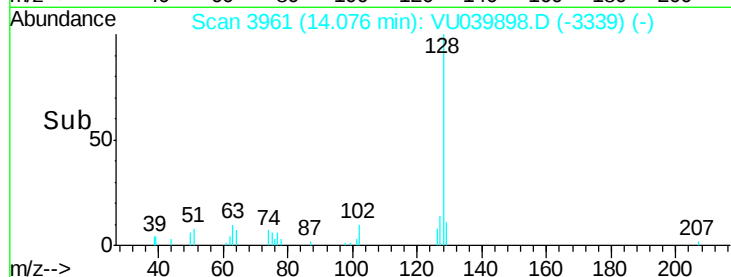
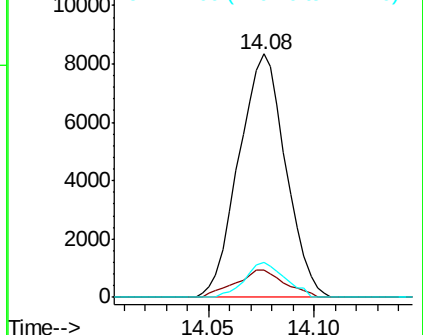
127 12.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.087 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039898.D

Acq: 19 Aug 2020 09:55

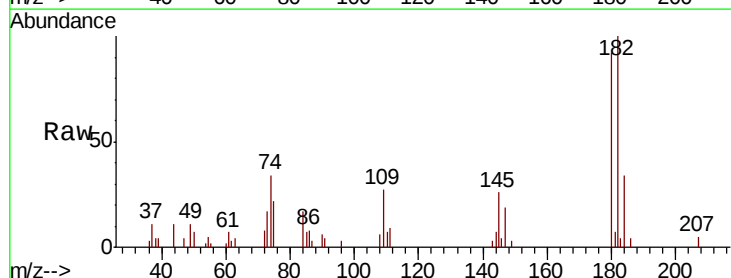
Tgt Ion:180 Resp: 6979

Ion Ratio Lower Upper

180 100

182 103.2 75.0 112.6

145 33.2 26.4 39.6



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

