

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082620\
 Data File : VU039984.D
 Acq On : 26 Aug 2020 15:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Aug 27 00:53:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 27 00:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	72067	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68455	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27546	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.92	69	23617	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.58	63	59951	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	4.65	46	93708	46.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.16%
24) Chloroform-d	5.08	84	63308	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.72	65	35796	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	111982	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.70	67	36580	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.90	98	100785	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
43) trans-1,3-Dichloropropene-	8.18	79	15526	5.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.00%
46) 2-Hexanone-d5	8.64	63	69952	48.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	28558	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	38480	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	41042	5.479 ug/L	100
3) Chloromethane	1.53	50	37599	4.437 ug/L	98
5) Vinyl chloride	1.61	62	38866	4.847 ug/L	97
6) Bromomethane	1.86	94	18596	4.062 ug/L	96
8) Chloroethane	1.94	64	23930	4.667 ug/L	98
9) Trichlorofluoromethane	2.15	101	60500	5.045 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	35003	5.305 ug/L	95
12) 1,1-Dichloroethene	2.59	96	31121	4.937 ug/L	97
13) Acetone	2.66	43	65108	47.364 ug/L #	41
14) Carbon disulfide	2.81	76	97571	4.790 ug/L	99
15) Methyl Acetate	2.97	43	17063	4.836 ug/L	97
16) Methylene chloride	3.06	84	43467	5.015 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	84372	5.308 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	32617	4.983 ug/L	91
19) 1,1-Dichloroethane	3.89	63	67086	5.528 ug/L	98
21) 2-Butanone	4.73	43	109954	46.035 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	35998	5.253 ug/L	99

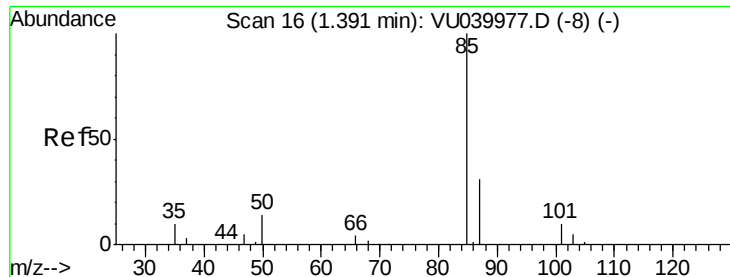
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	17316	5.372	ug/L	95
25) Chloroform	5.11	83	70377	5.721	ug/L	100
27) 1,2-Dichloroethane	5.81	62	48160	5.579	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	60623	6.020	ug/L	98
30) Cyclohexane	5.40	56	55329	5.550	ug/L	98
31) Carbon tetrachloride	5.54	117	53345	6.000	ug/L	99
33) Benzene	5.79	78	136545	5.489	ug/L	100
34) Trichloroethene	6.55	95	36172	5.603	ug/L	95
35) Methylcyclohexane	6.77	83	52581	5.316	ug/L	96
37) 1,2-Dichloropropane	6.80	63	37550	5.680	ug/L	99
38) Bromodichloromethane	7.11	83	49769	5.924	ug/L	100
39) cis-1,3-Dichloropropene	7.61	75	51777	5.604	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	264050	50.434	ug/L	98
42) Toluene	7.97	91	140811	5.535	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	46935	5.406	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	26173	5.210	ug/L	97
47) Tetrachloroethene	8.56	164	27966	5.872	ug/L	91
48) 2-Hexanone	8.69	43	189632	50.543	ug/L	97
49) Dibromochloromethane	8.82	129	32926	5.490	ug/L	99
50) 1,2-Dibromoethane	8.93	107	24645	5.152	ug/L	94
51) Chlorobenzene	9.45	112	88463	5.325	ug/L	95
52) Ethylbenzene	9.57	91	153182	5.535	ug/L	100
53) m,p-Xylene	9.69	106	58077	5.467	ug/L	94
54) o-Xylene	10.10	106	55889	5.566	ug/L	88
55) Styrene	10.11	104	96015	5.516	ug/L	98
56) Isopropylbenzene	10.48	105	149279	5.546	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	31753	4.895	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	24207	5.110	ug/L	95
61) Bromoform	10.29	173	18552	5.740	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	71628	5.272	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	72435	5.236	ug/L	96
65) 1,2-Dichlorobenzene	12.21	146	68270	5.207	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	6055	5.647	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	56481	5.598	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	47087	5.470	ug/L	98
69) Naphthalene	14.08	128	76811	4.831	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	43051	5.352	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.479 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

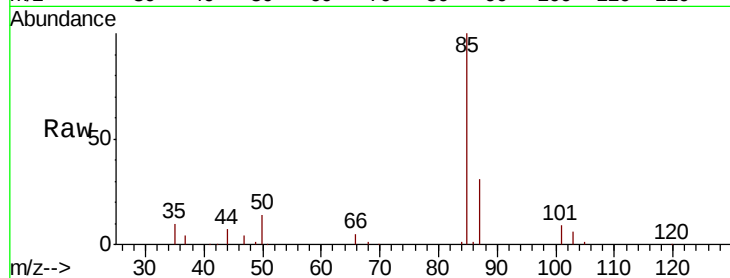
VSTD00512

Tot Ion: 85 Resp: 41042

Ion Ratio Lower Upper

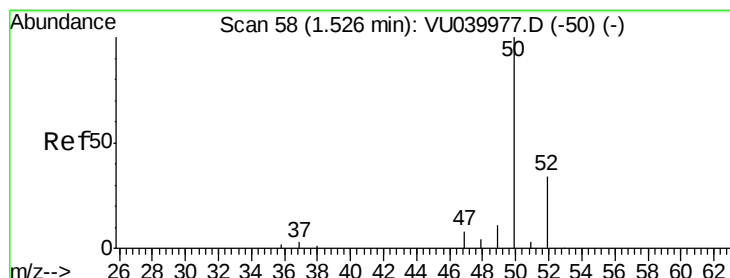
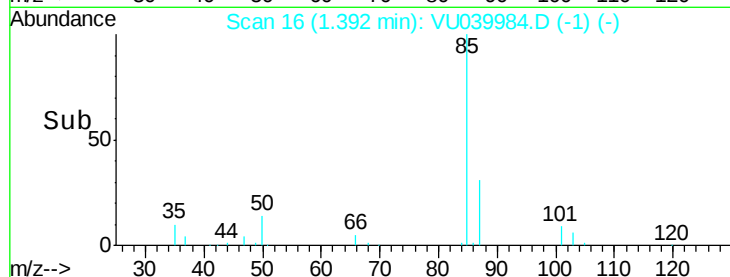
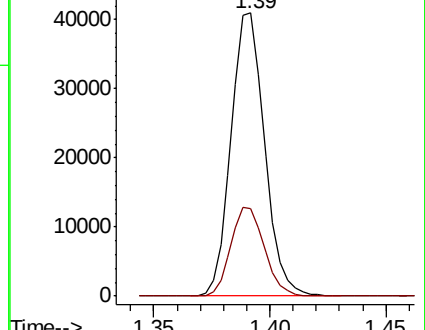
85 100

87 31.4 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039977.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039977.D (-8) (-)



#3

Chloromethane

Concen: 4.437 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039984.D

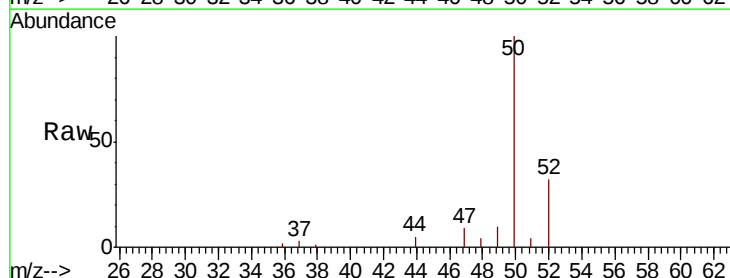
Acq: 26 Aug 2020 15:47

Tgt Ion: 50 Resp: 37599

Ion Ratio Lower Upper

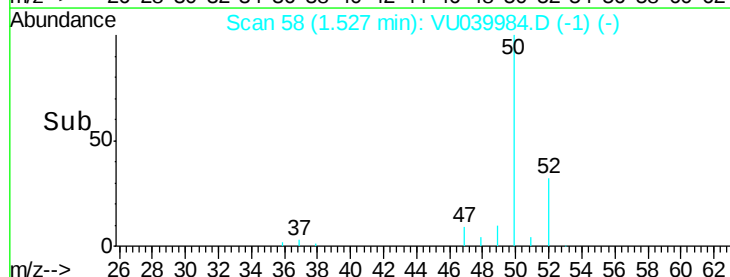
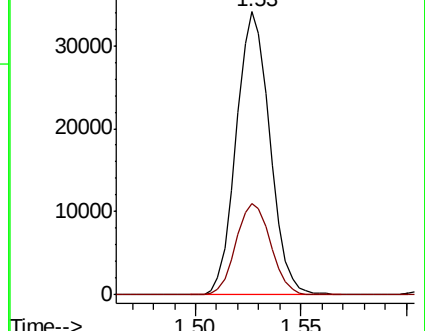
50 100

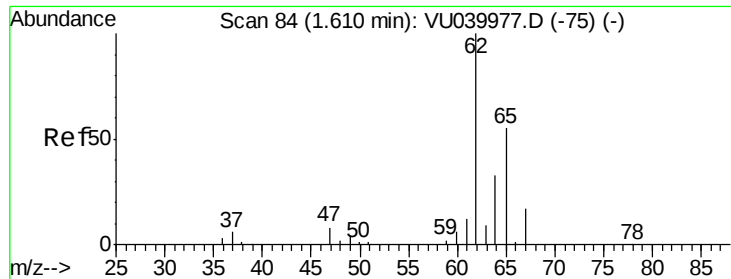
52 32.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039977.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039977.D (-50) (-)





#5

Vinyl chloride

Concen: 4.847 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

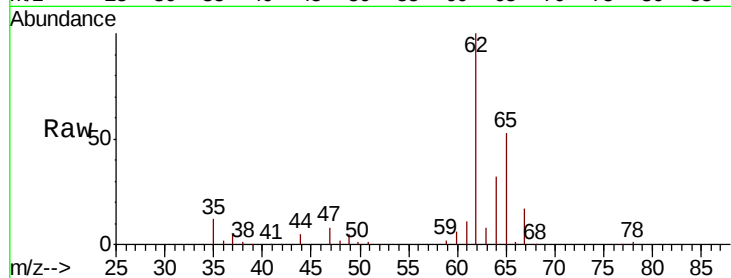
VSTD00512

Tot Ion: 62 Resp: 38866

Ion Ratio Lower Upper

62 100

64 32.3 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU039977.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039984.D (-71) (-)

1.61

40000

30000

20000

10000

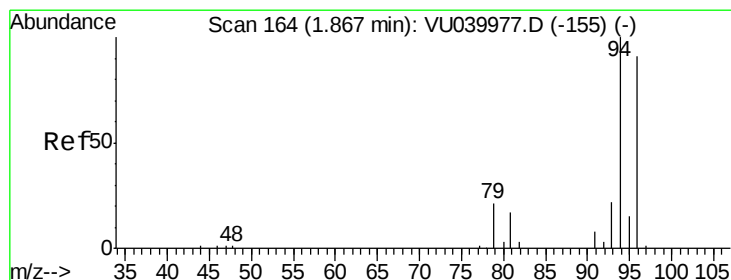
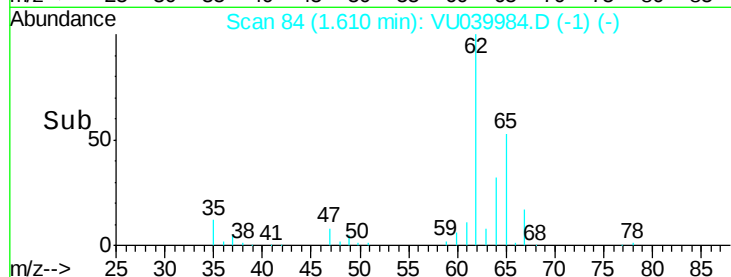
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 4.062 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039984.D

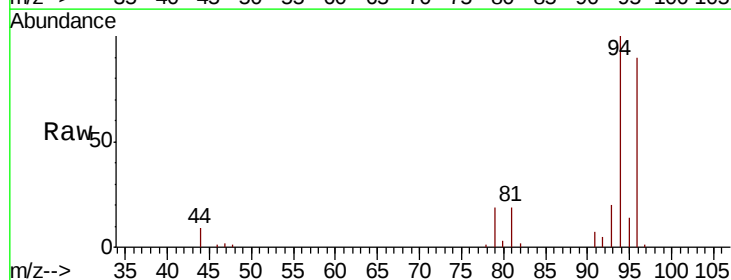
Acq: 26 Aug 2020 15:47

Tgt Ion: 94 Resp: 18596

Ion Ratio Lower Upper

94 100

96 90.2 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039977.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039984.D (-71) (-)

1.86

15000

10000

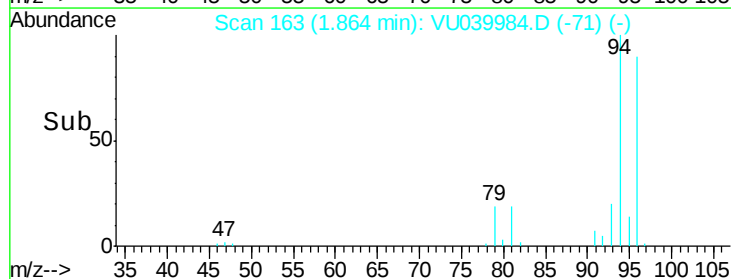
5000

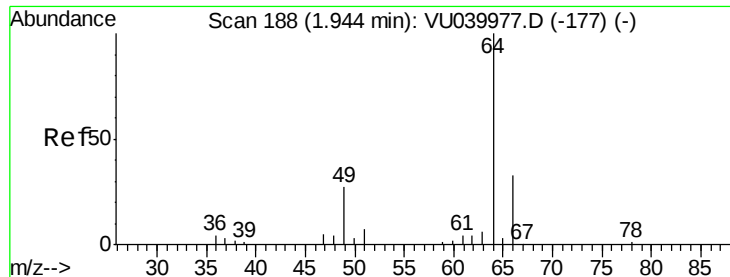
0

Time-->

1.85

1.90





#8

Chloroethane

Concen: 4.667 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

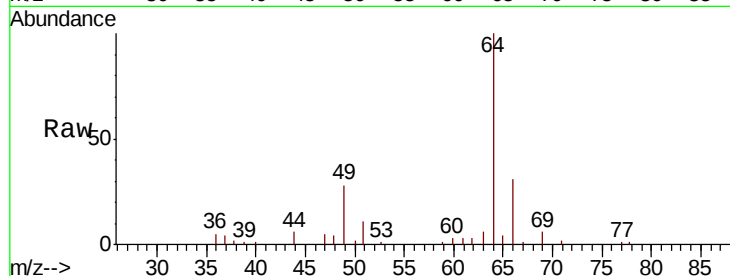
VSTD00512

Tot Ion: 64 Resp: 23930

Ion Ratio Lower Upper

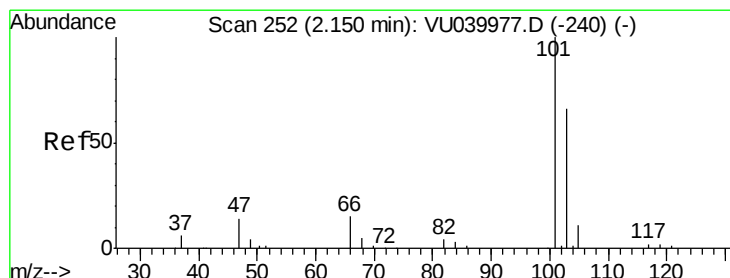
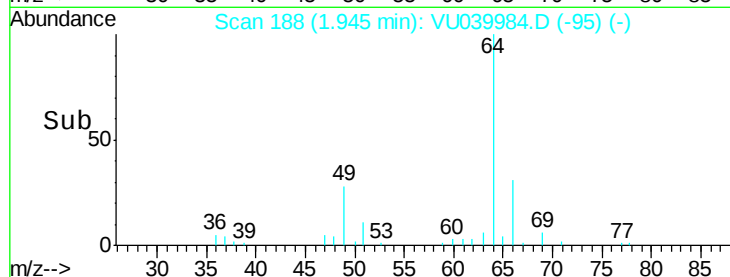
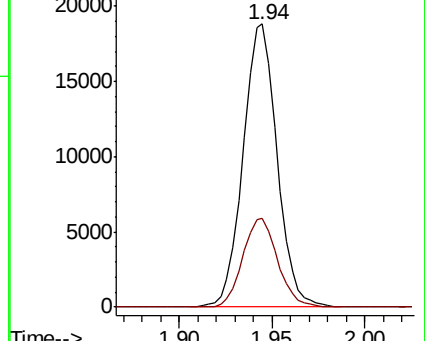
64 100

66 31.3 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039977.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039977.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.045 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039984.D

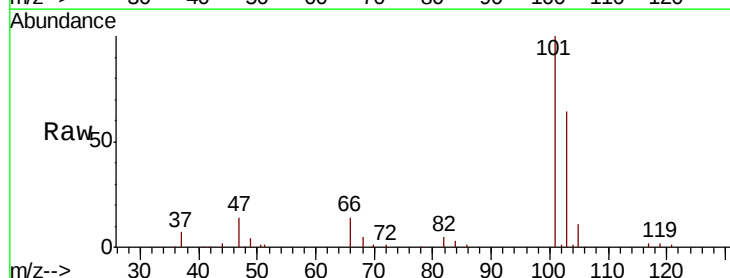
Acq: 26 Aug 2020 15:47

Tgt Ion:101 Resp: 60500

Ion Ratio Lower Upper

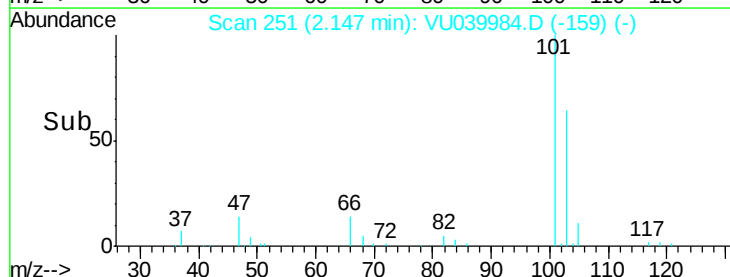
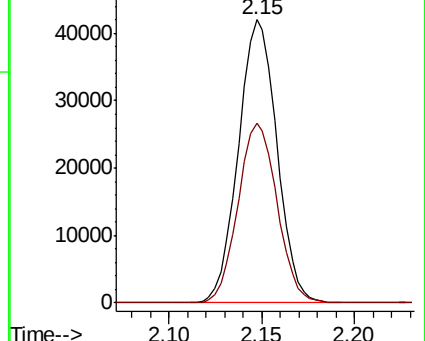
101 100

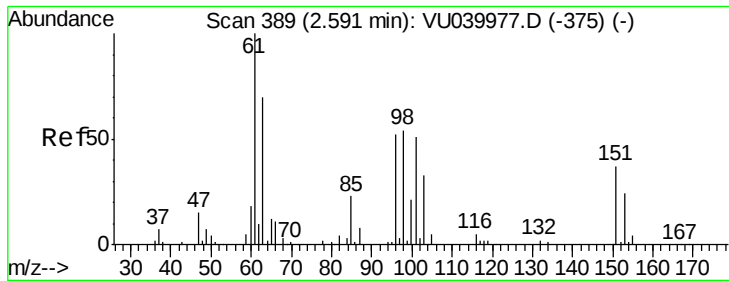
103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU039977.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039977.D (-240) (-)





#10

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

Concen: 5.305 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

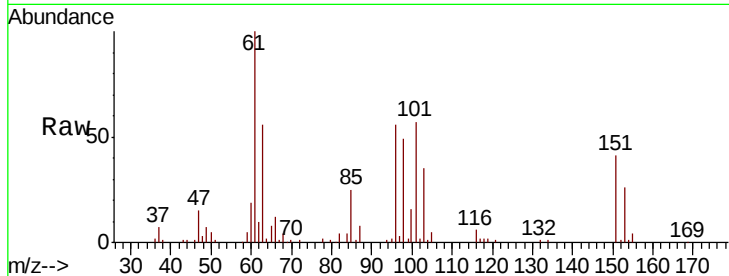
Tot Ion:101 Resp: 35003

Ion Ratio Lower Upper

101 100

85 46.3 34.5 51.7

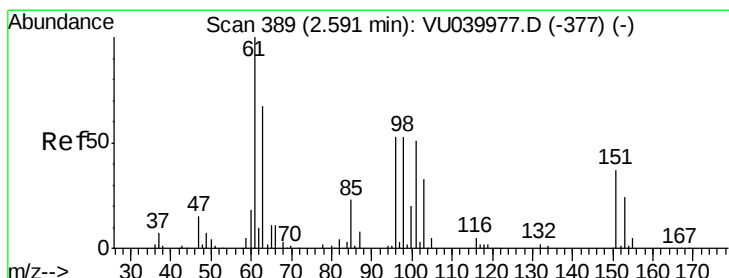
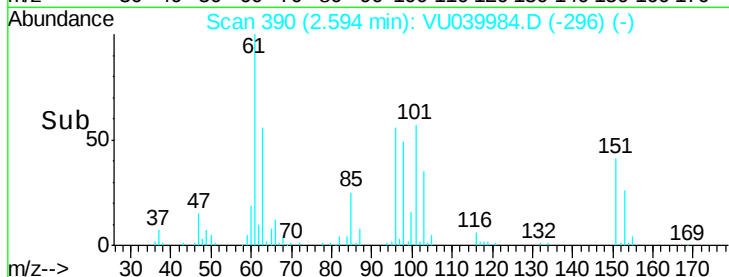
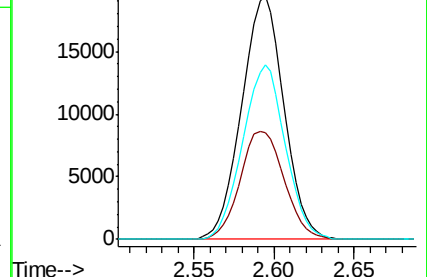
151 72.4 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): VU039977.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VU039977.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VU039977.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 4.937 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

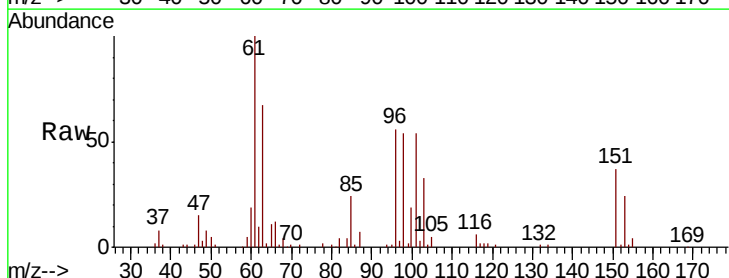
Tgt Ion: 96 Resp: 31121

Ion Ratio Lower Upper

96 100

61 179.9 126.8 235.4

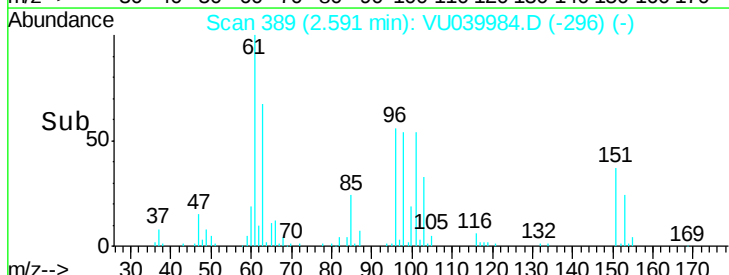
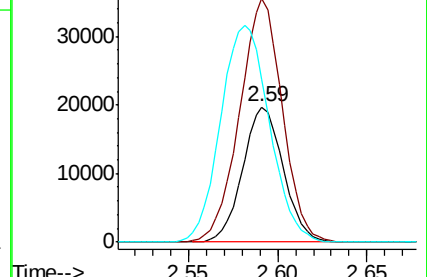
63 120.5 88.6 164.6

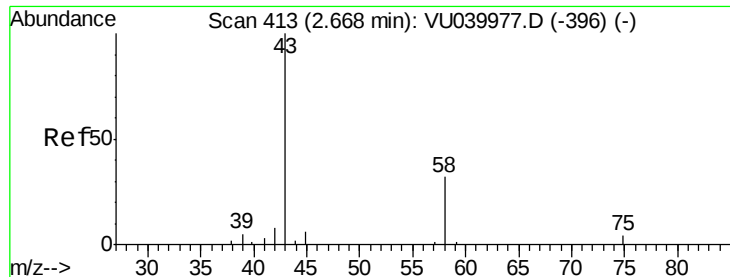


Abundance Ion 96.00 (95.70 to 96.70): VU039977.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039977.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039977.D (-377) (-)





#13

Acetone

Concen: 47.364 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

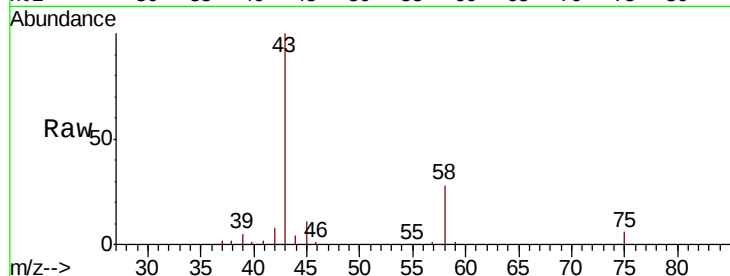
VSTD00512

Tot Ion: 43 Resp: 65108

Ion Ratio Lower Upper

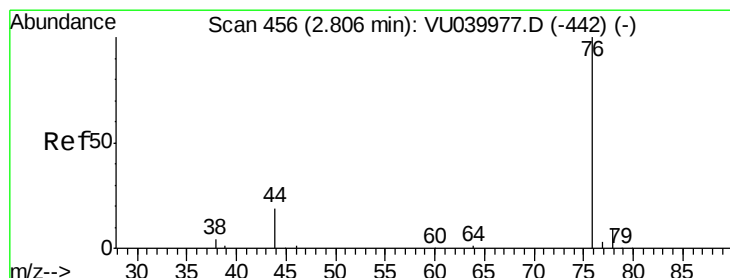
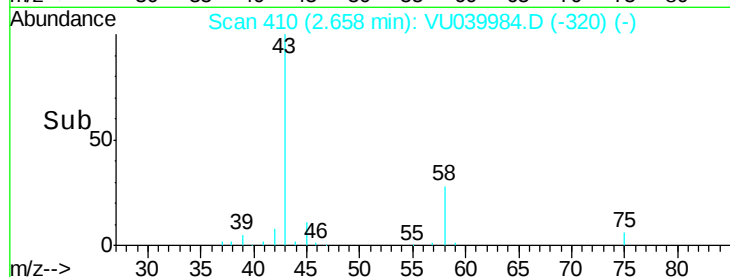
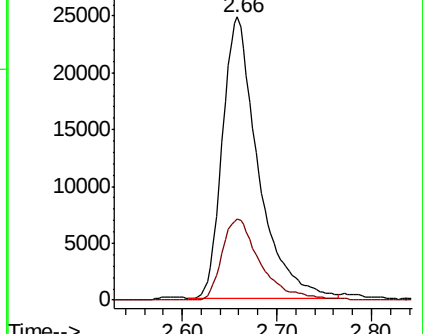
43 100

58 31.0 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039977.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039977.D (-396) (-)



#14

Carbon disulfide

Concen: 4.790 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039984.D

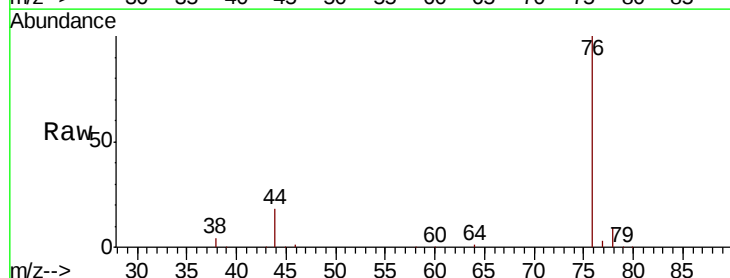
Acq: 26 Aug 2020 15:47

Tgt Ion: 76 Resp: 97571

Ion Ratio Lower Upper

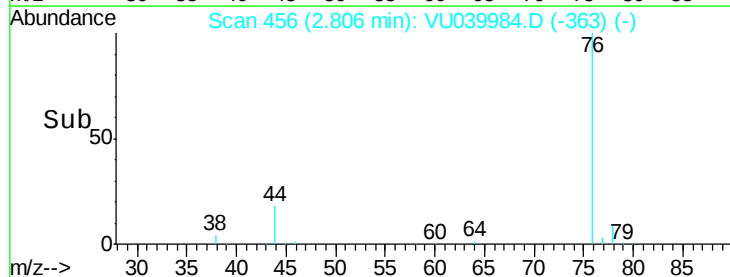
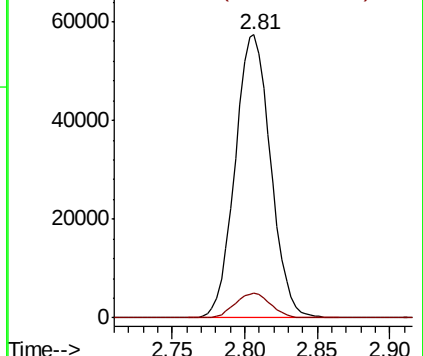
76 100

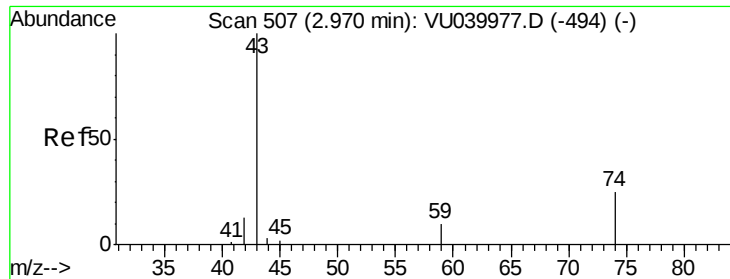
78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039977.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039977.D (-442) (-)

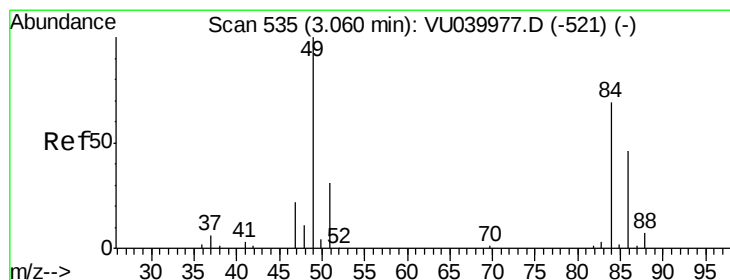
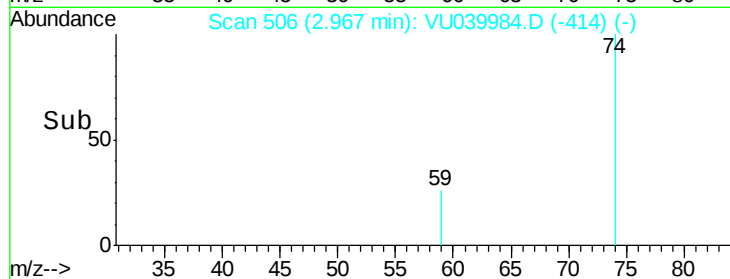
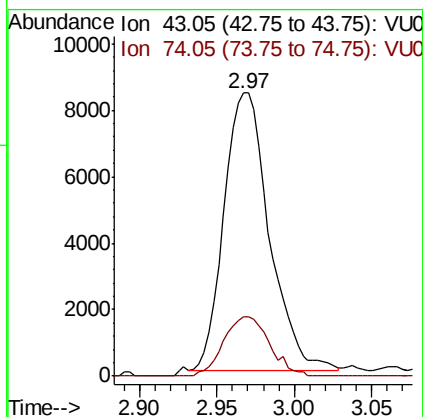
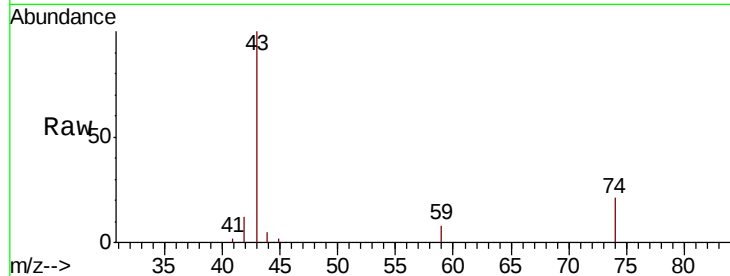




#15
Methvl Acetate
Concen: 4.836 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

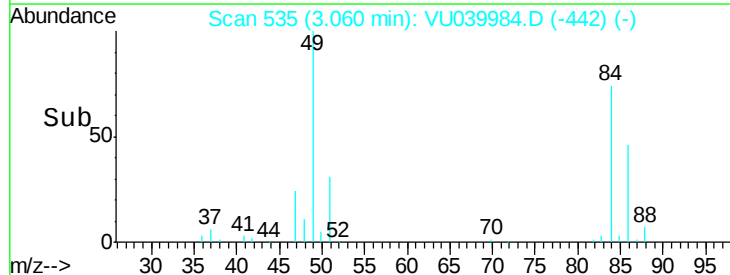
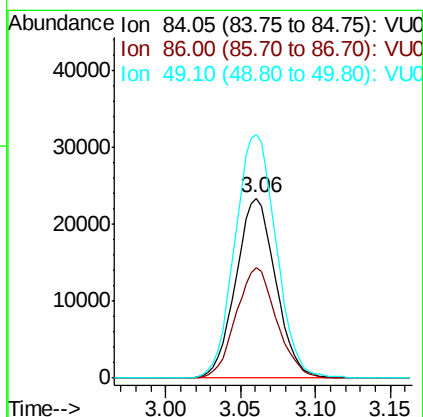
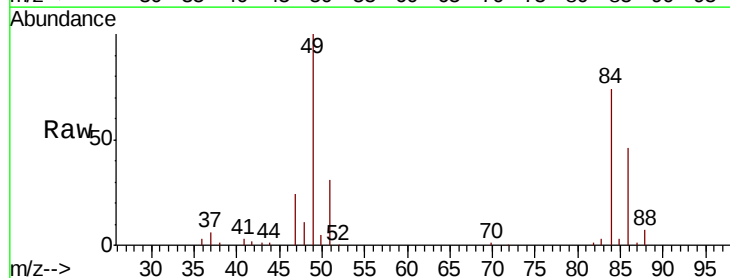
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

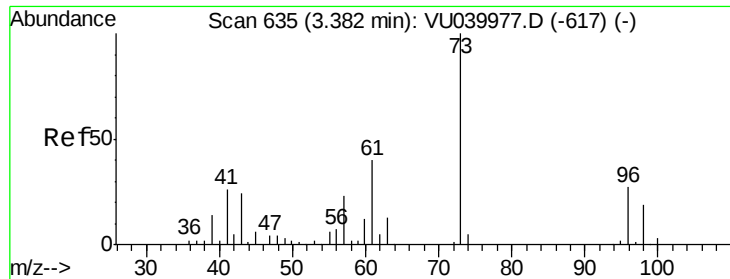
Tot Ion: 43 Resp: 17063
Ion Ratio Lower Upper
43 100
74 21.7 16.3 24.5



#16
Methylene chloride
Concen: 5.015 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 84 Resp: 43467
Ion Ratio Lower Upper
84 100
86 61.5 47.2 87.6
49 135.1 99.8 185.4

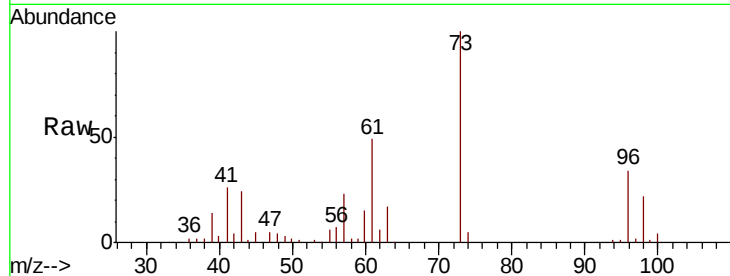




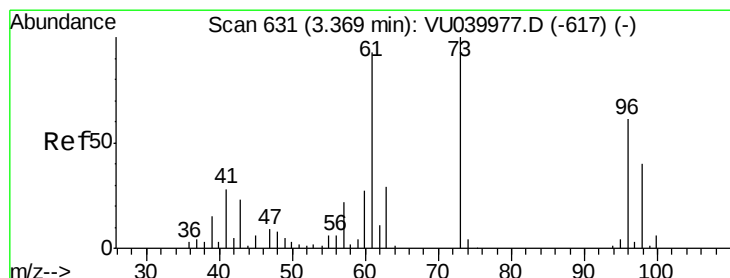
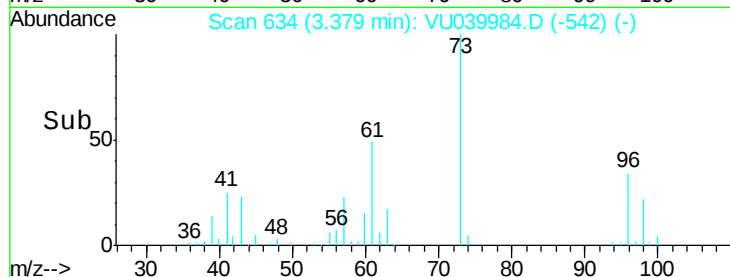
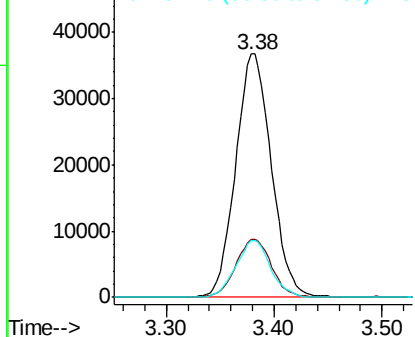
#17
Methvl tert-butvl Ether
Concen: 5.308 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 73 Resp: 84372
Ion Ratio Lower Upper
73 100
43 23.9 16.6 24.8
57 22.8 18.2 27.4

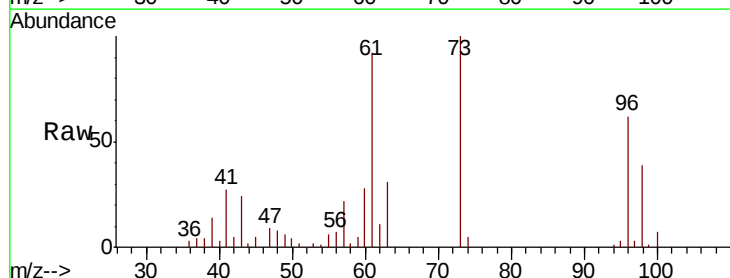


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

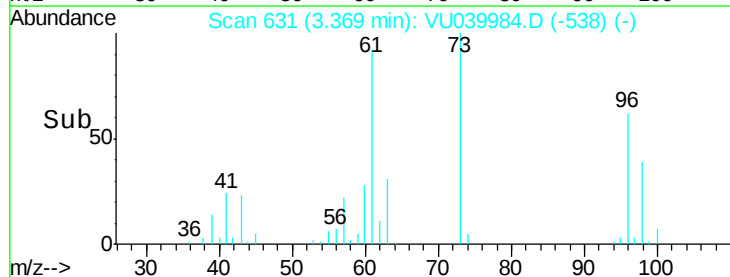
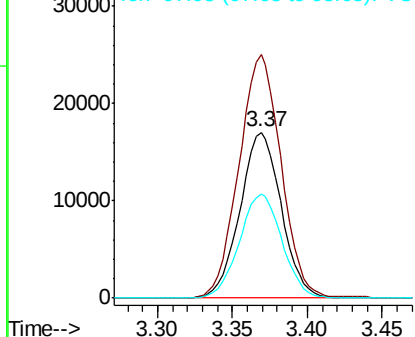


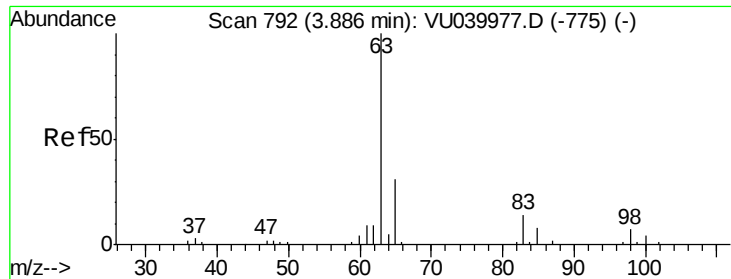
#18
trans-1,2-Dichloroethene
Concen: 4.983 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 96 Resp: 32617
Ion Ratio Lower Upper
96 100
61 146.7 93.7 173.9
98 62.4 40.7 75.5



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

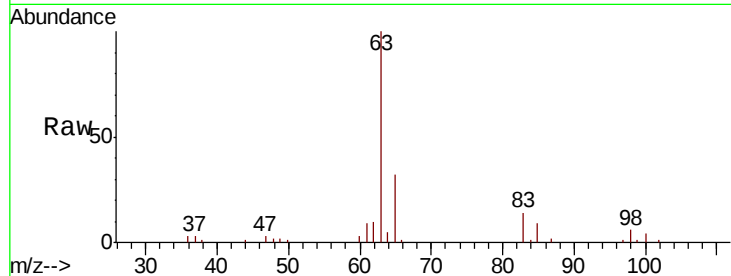




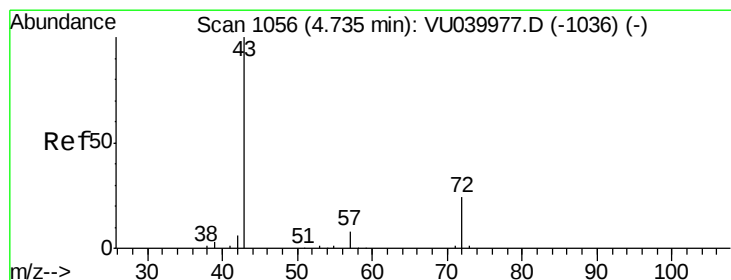
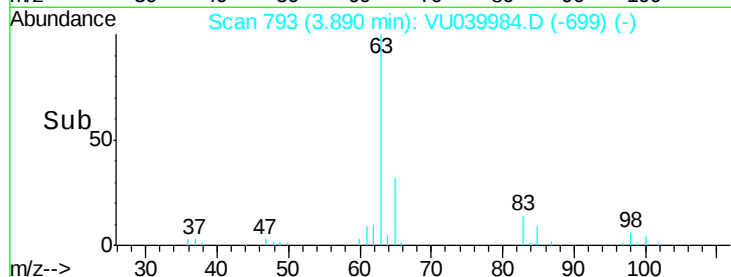
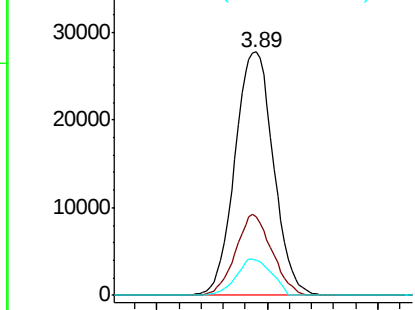
#19
 1,1-Dichloroethane
 Concen: 5.528 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 63 Resp: 67086
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.0
 83 14.2 10.3 19.1

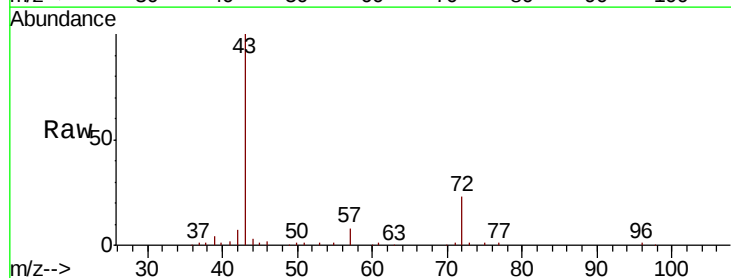


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

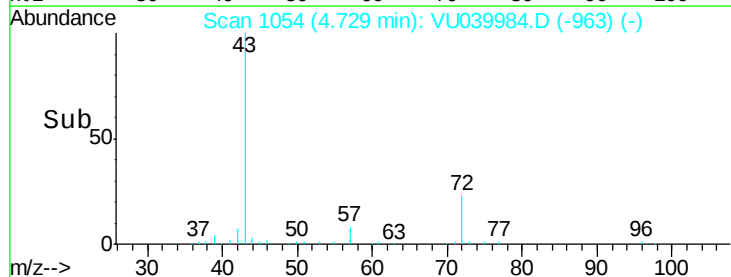
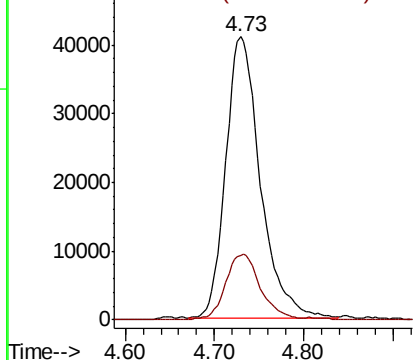


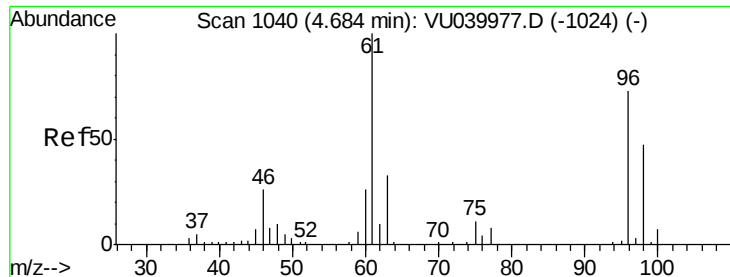
#21
 2-Butanone
 Concen: 46.035 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion: 43 Resp: 109954
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.7 38.0



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

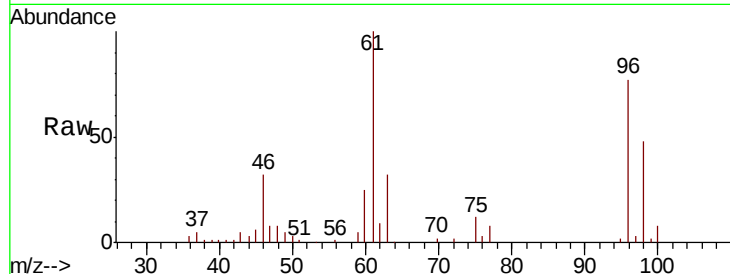




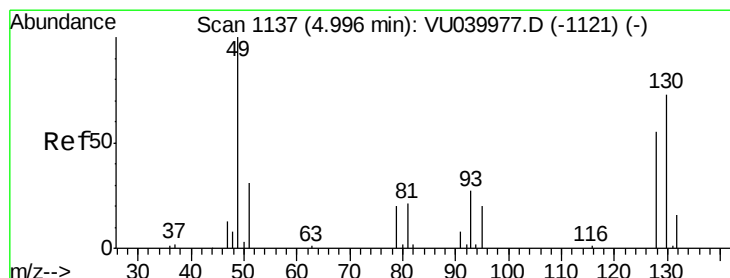
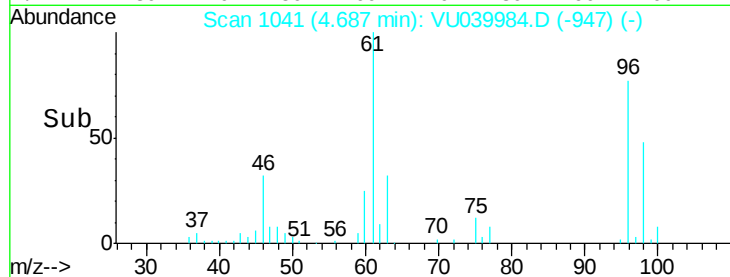
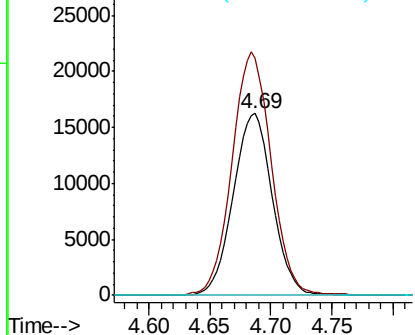
#22
 cis-1,2-Dichloroethene
 Concen: 5.253 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 96 Resp: 35998
 Ion Ratio Lower Upper
 96 100
 61 130.6 90.9 168.9
 68 0.0 0.0 0.0

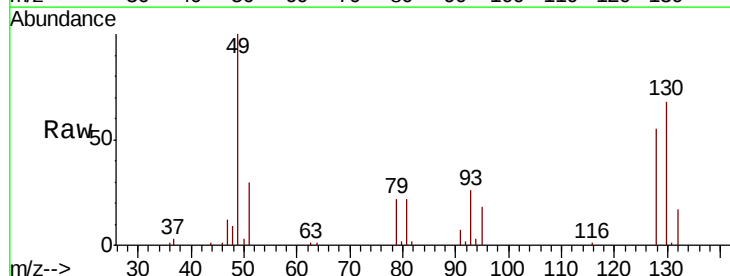


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

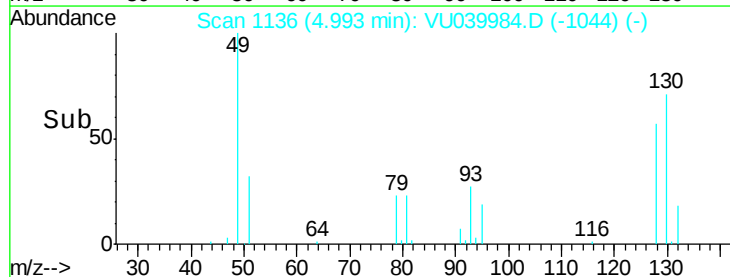
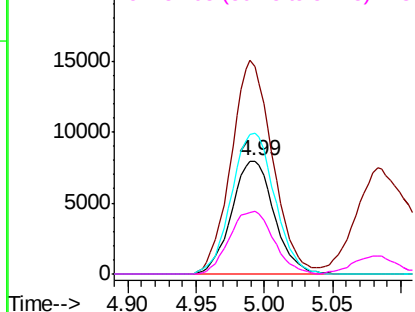


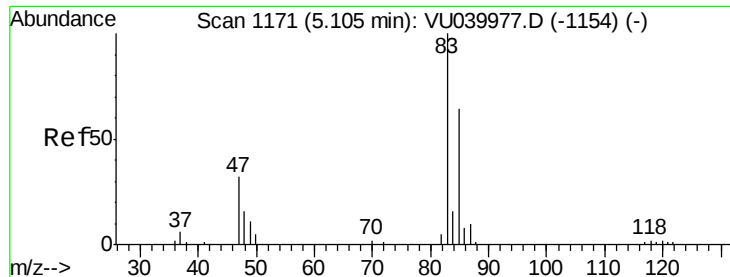
#23
 Bromochloromethane
 Concen: 5.372 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion: 128 Resp: 17316
 Ion Ratio Lower Upper
 128 100
 49 182.8 121.2 225.2
 130 124.7 90.2 167.6
 51 55.6 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

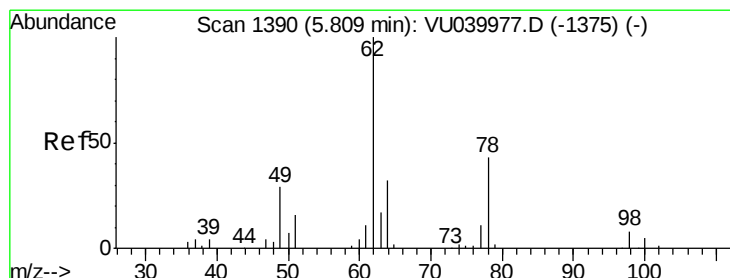
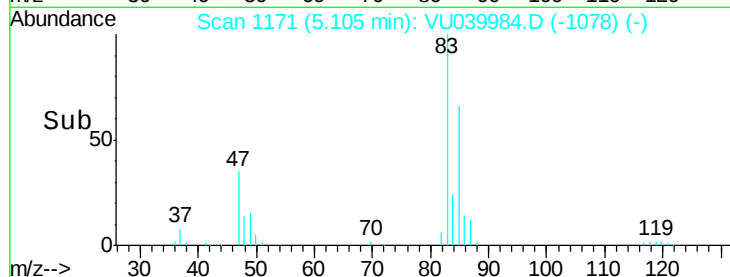
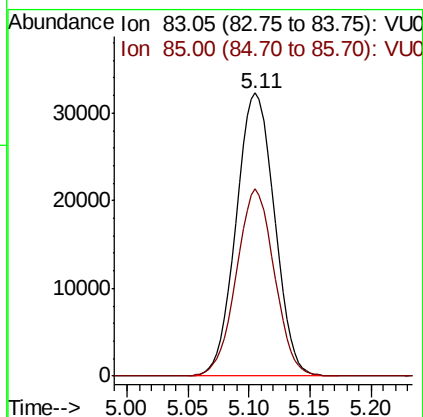
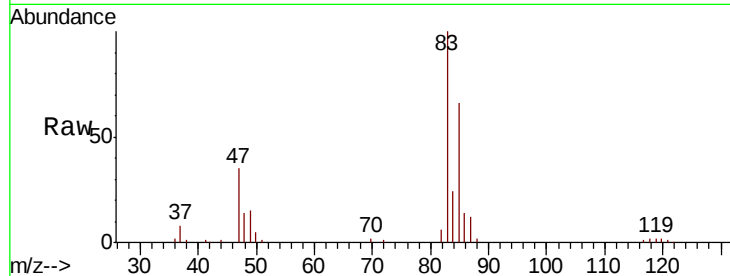




#25
Chloroform
Concen: 5.721 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

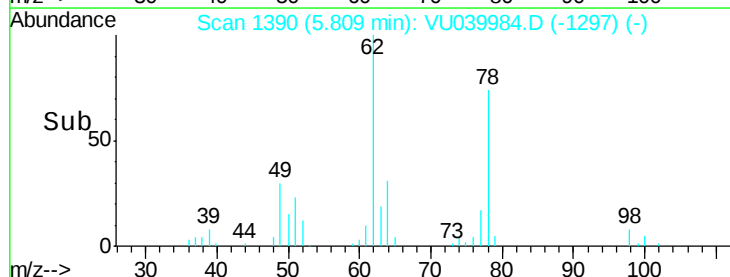
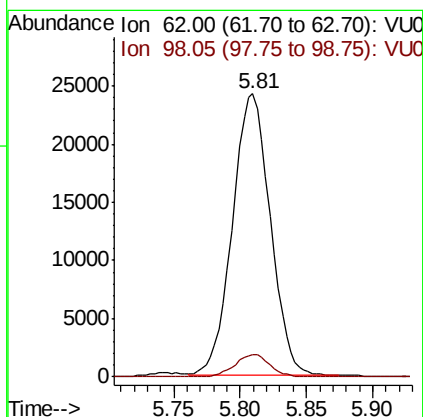
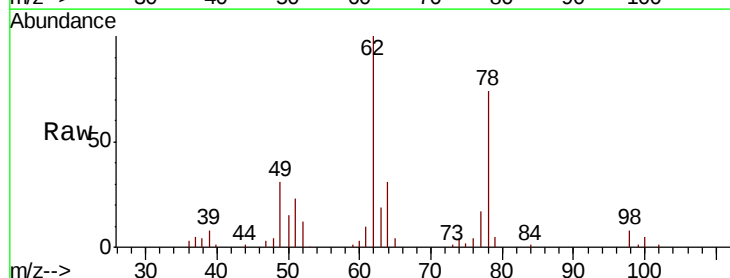
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

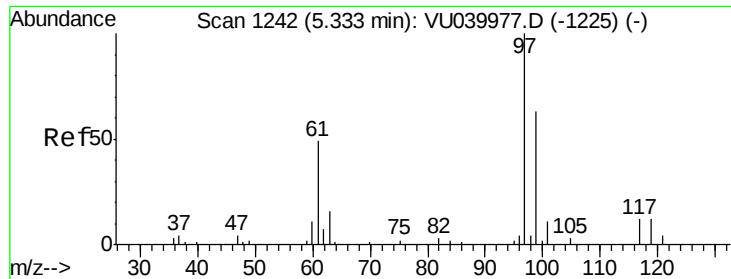
Tot Ion: 83 Resp: 70377
Ion Ratio Lower Upper
83 100
85 66.0 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.579 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 62 Resp: 48160
Ion Ratio Lower Upper
62 100
98 7.8 7.4 11.2

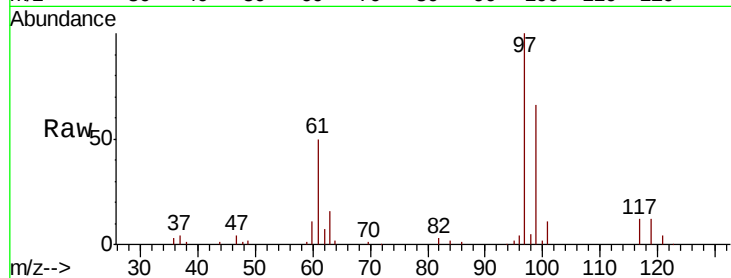




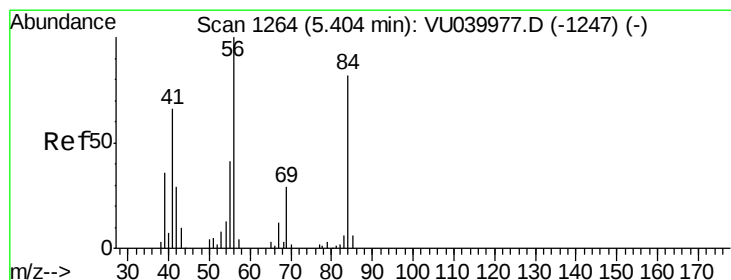
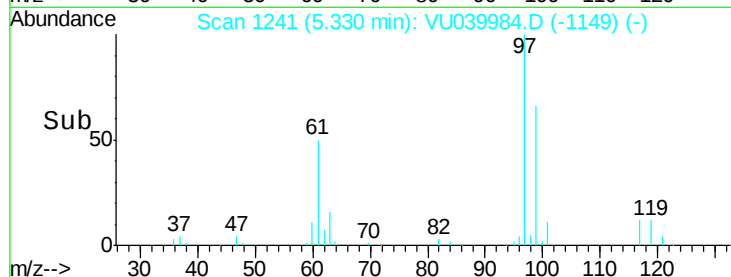
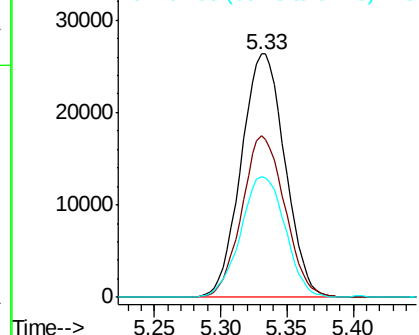
#29
 1,1,1-Trichloroethane
 Concen: 6.020 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 97 Resp: 60623
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.4 77.2
 61 50.5 39.1 58.7

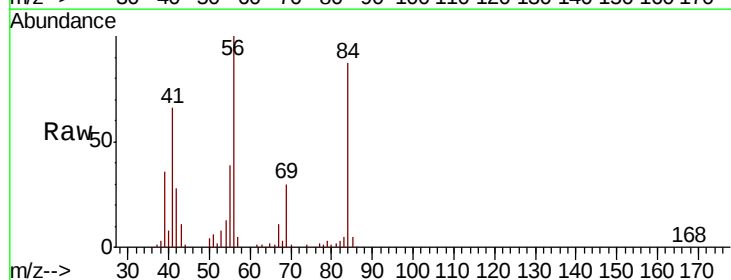


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

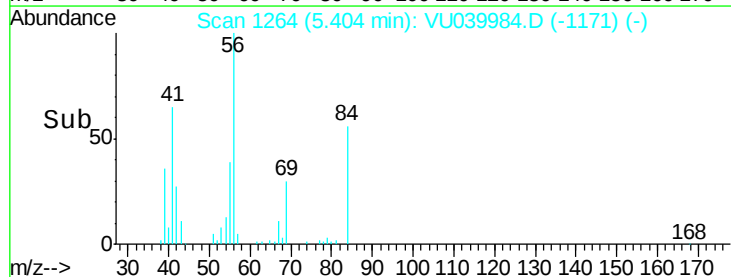
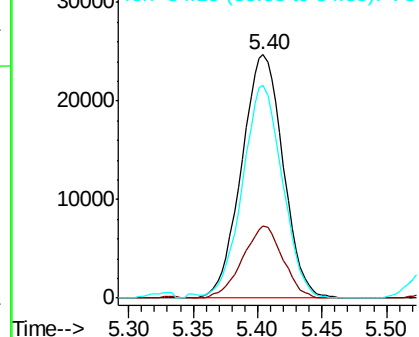


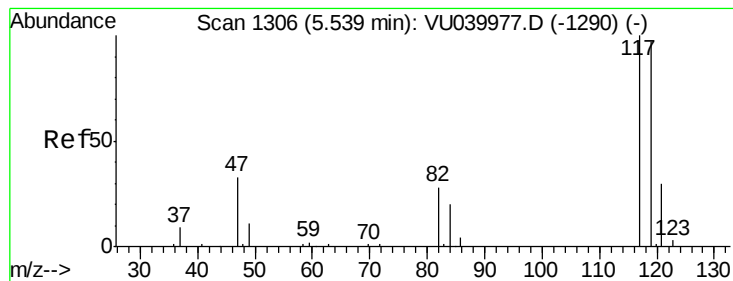
#30
 Cyclohexane
 Concen: 5.550 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion: 56 Resp: 55329
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.1 34.7
 84 84.2 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: 6.000 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

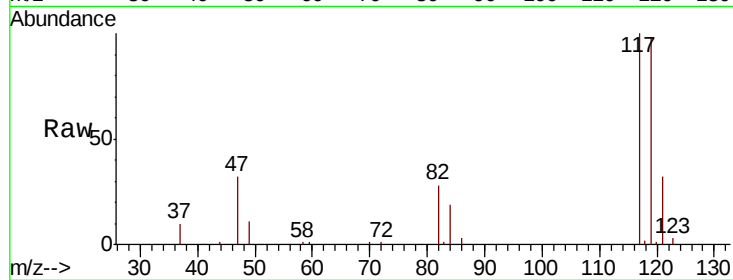
VSTD00512

Tot Ion:117 Resp: 53345

Ion Ratio Lower Upper

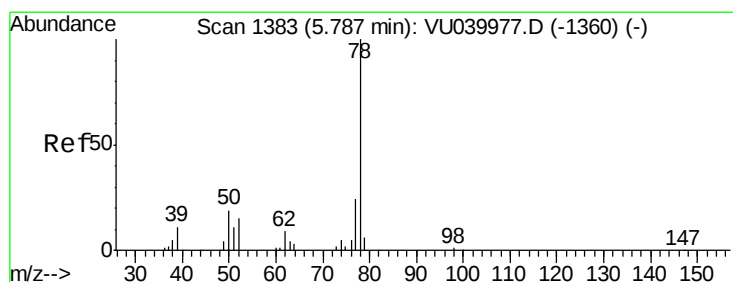
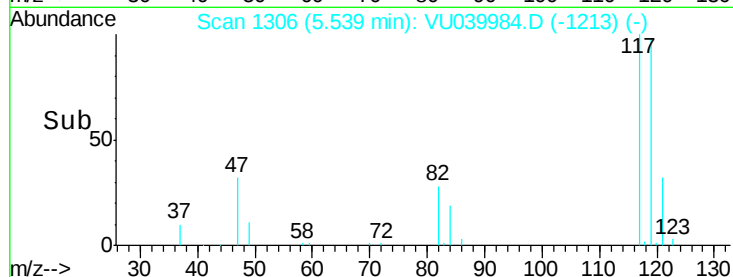
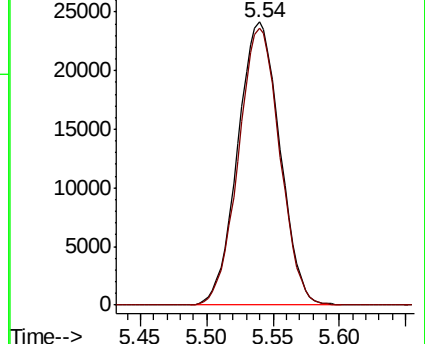
117 100

119 95.9 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: 5.489 ug/L

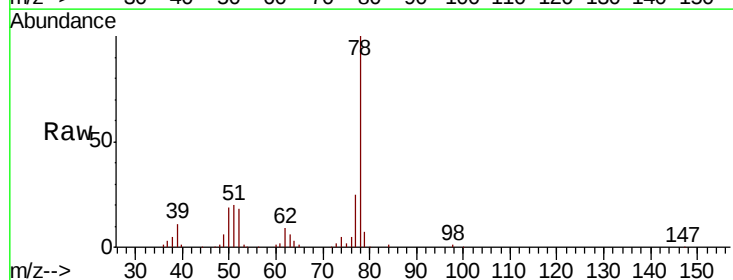
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Tgt Ion: 78 Resp: 136545



Abundance Ion 78.10 (77.80 to 78.80): VU0

80000

60000

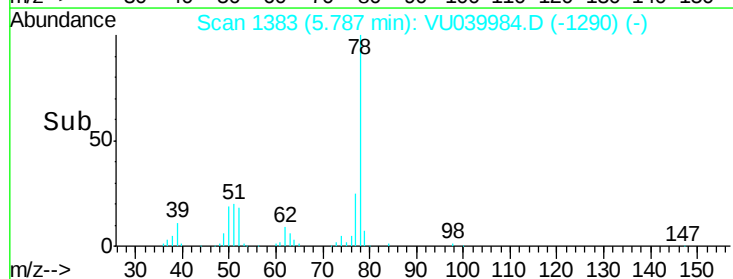
40000

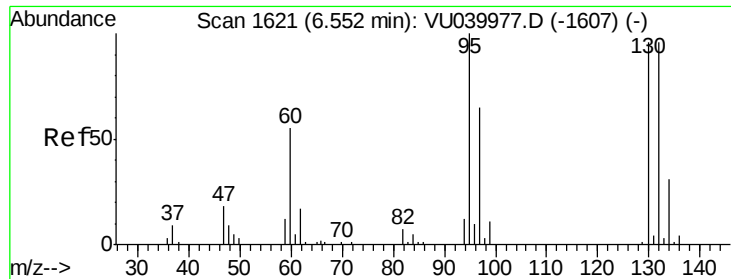
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.603 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 95 Resp: 36172

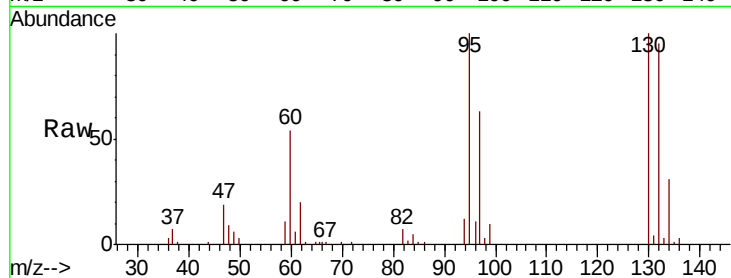
Ion Ratio Lower Upper

95 100

97 63.2 42.0 78.0

132 95.6 65.0 120.8

130 100.4 65.5 121.7

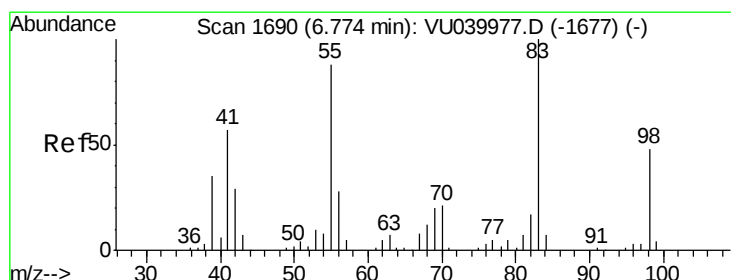
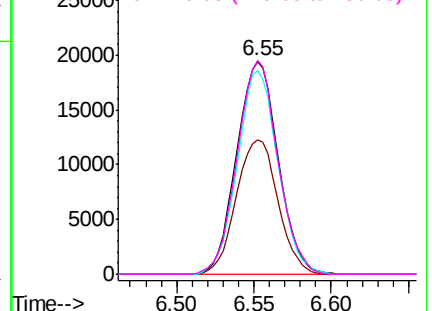
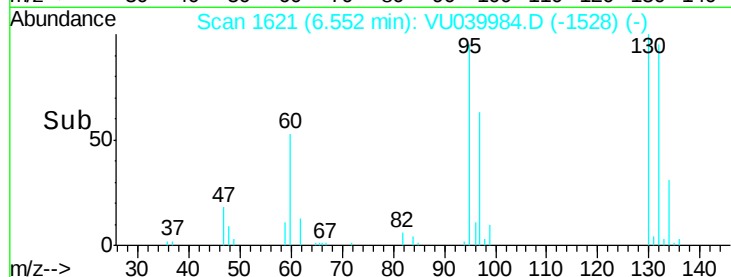


Abundance Ion 95.00 (94.70 to 95.70): VU039984.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU039984.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU039984.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU039984.D (-1528) (-)



#35

Methylcyclohexane

Concen: 5.316 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

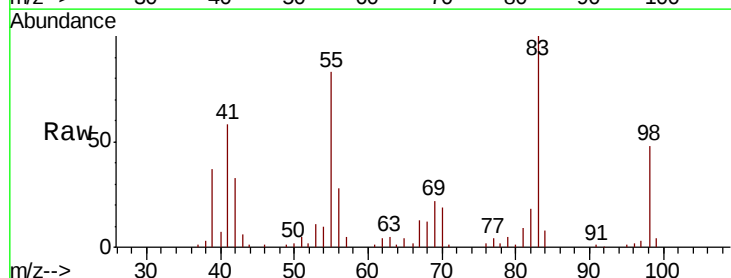
Tgt Ion: 83 Resp: 52581

Ion Ratio Lower Upper

83 100

55 85.0 64.1 96.1

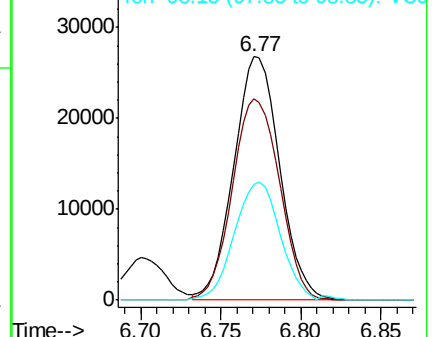
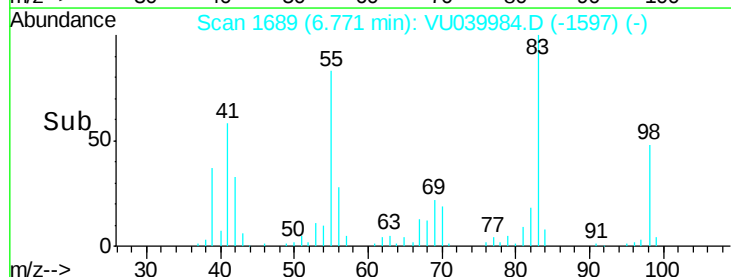
98 48.3 39.4 59.0

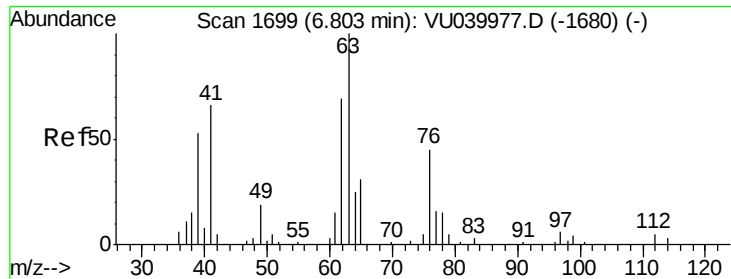


Abundance Ion 83.15 (82.85 to 83.85): VU039984.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU039984.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU039984.D (-1597) (-)

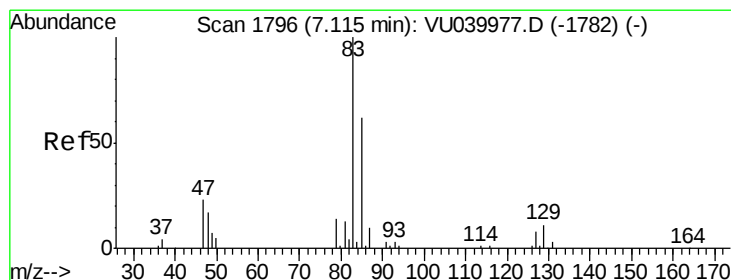
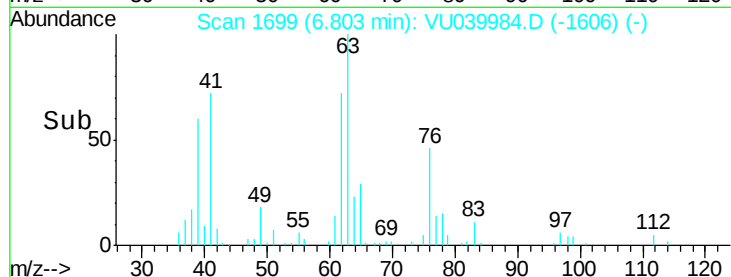
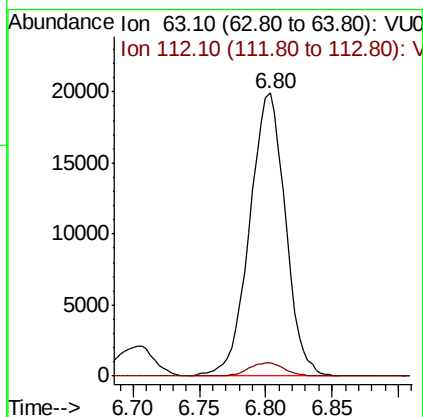
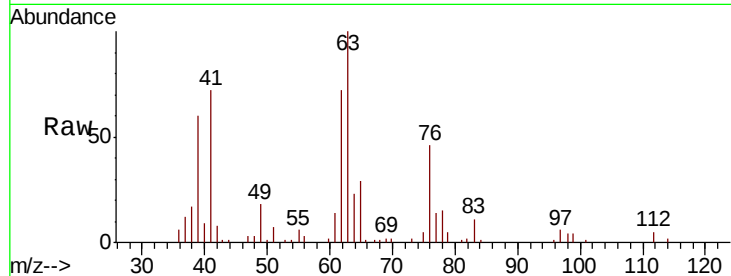




#37
 1,2-Dichloropropane
 Concen: 5.680 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

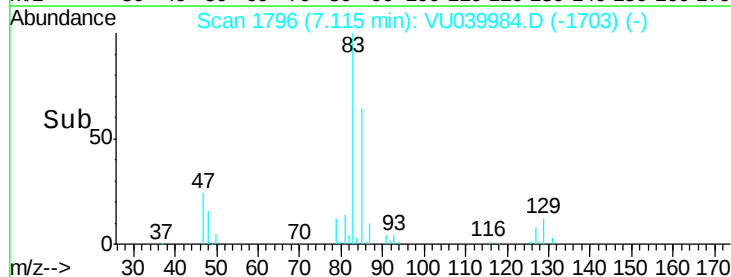
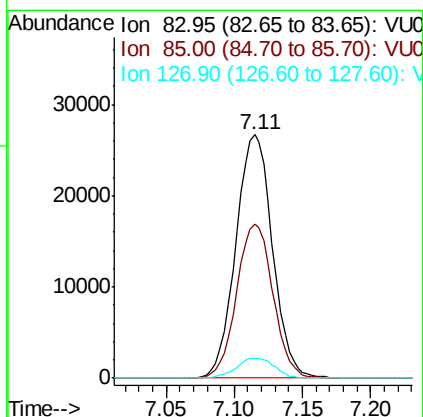
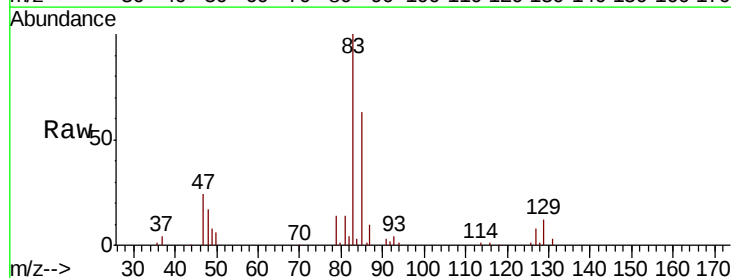
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

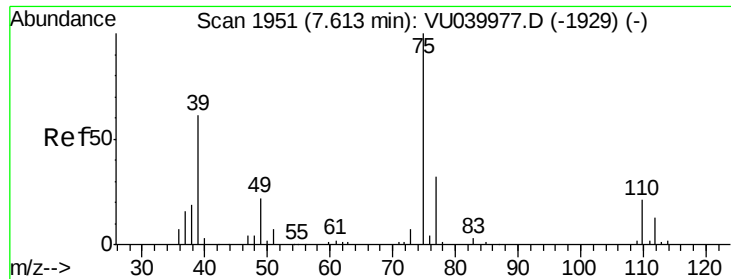
Tot Ion: 63 Resp: 37550
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.924 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion: 83 Resp: 49769
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.3 82.3
 127 8.2 6.7 10.1

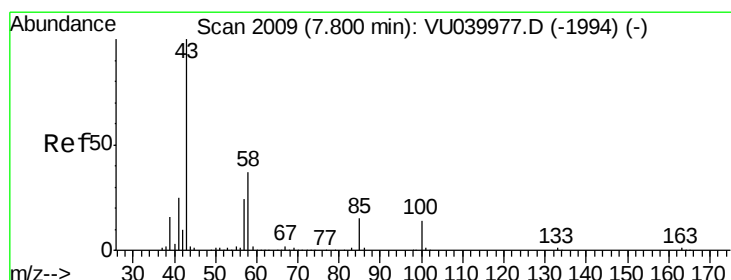
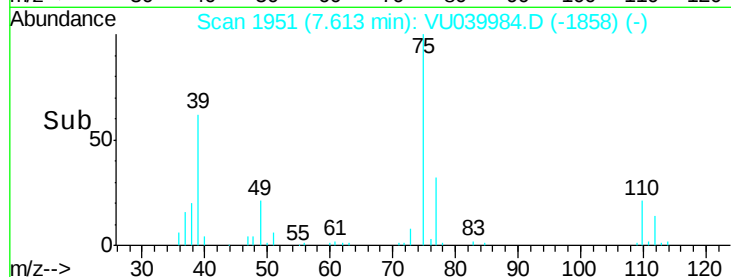
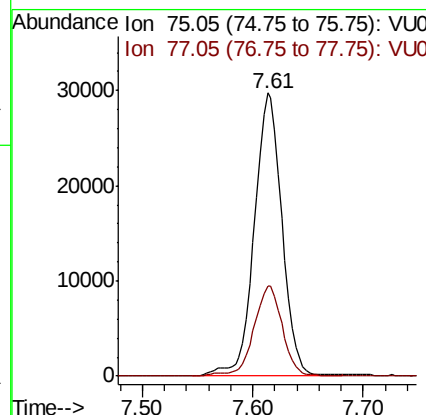
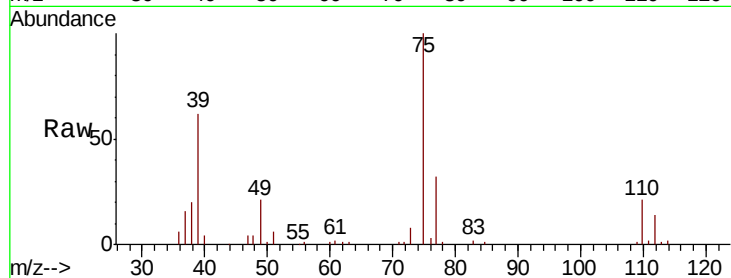




#39
 cis-1,3-Dichloropropene
 Concen: 5.604 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

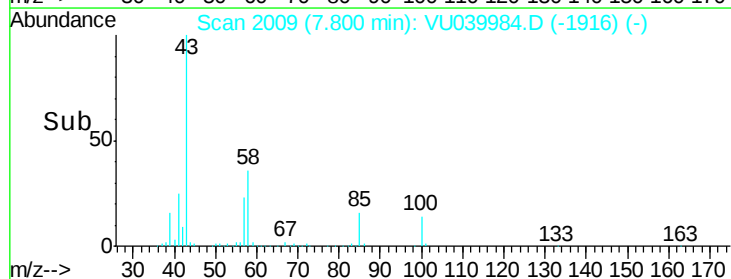
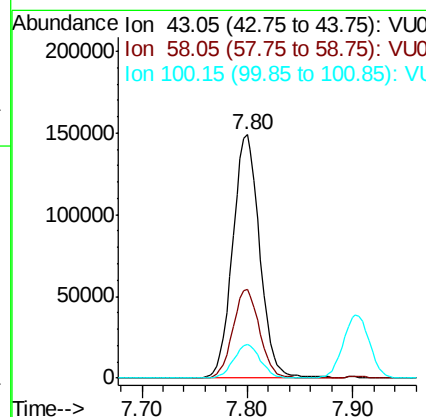
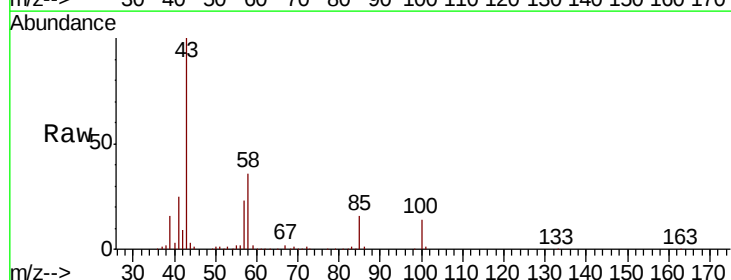
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

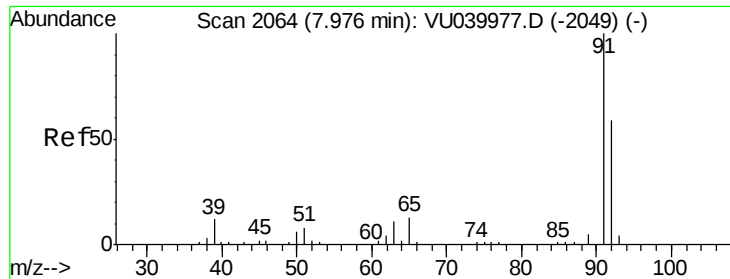
Tot Ion: 75 Resp: 51777
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 50.434 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion: 43 Resp: 264050
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.7 44.5
 100 13.6 11.2 16.8





#42

Toluene

Concen: 5.535 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

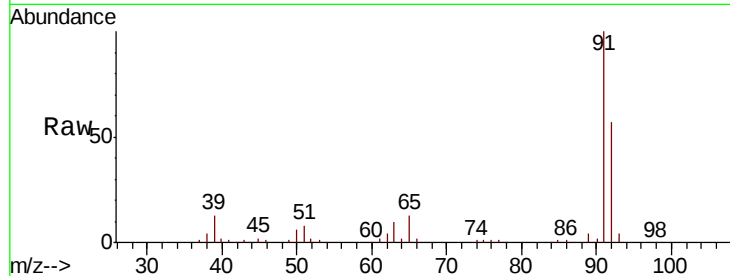
VSTD00512

Tot Ion: 91 Resp: 140811

Ion Ratio Lower Upper

91 100

92 57.3 42.3 78.5



Abundance Ion 91.15 (90.85 to 91.85): VU039977.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039977.D (-2049) (-)

7.97

80000

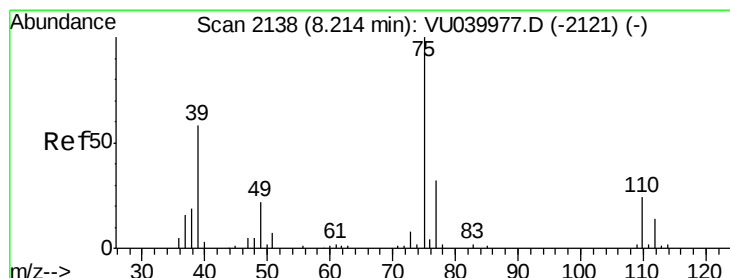
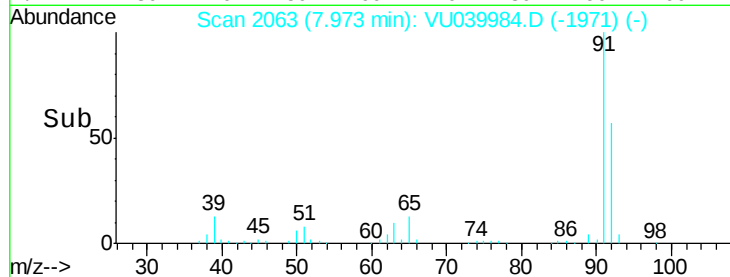
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.406 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU039984.D

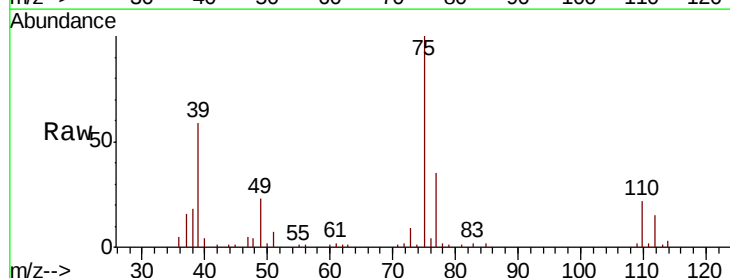
Acq: 26 Aug 2020 15:47

Tgt Ion: 75 Resp: 46935

Ion Ratio Lower Upper

75 100

77 35.2 25.3 46.9



Abundance Ion 75.05 (74.75 to 75.75): VU039977.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU039977.D (-2121) (-)

8.21

30000

25000

20000

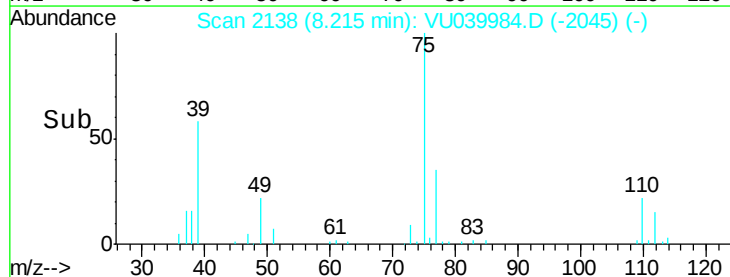
15000

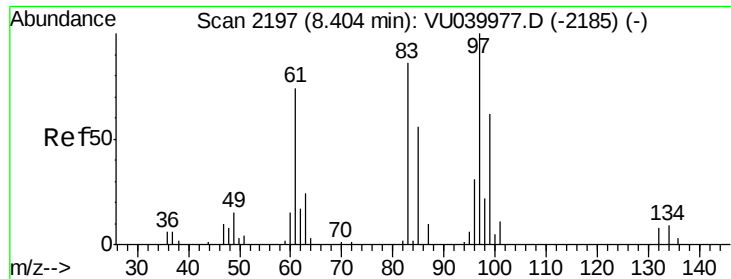
10000

5000

0

Time-->

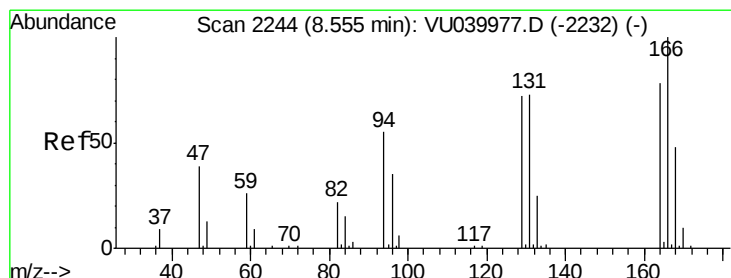
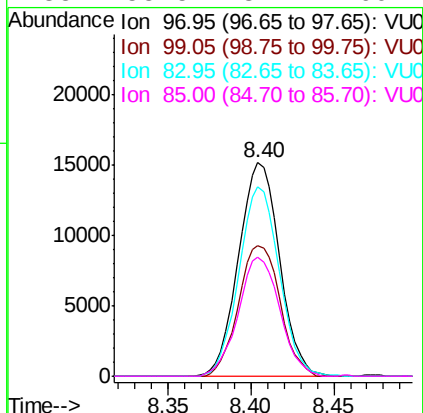
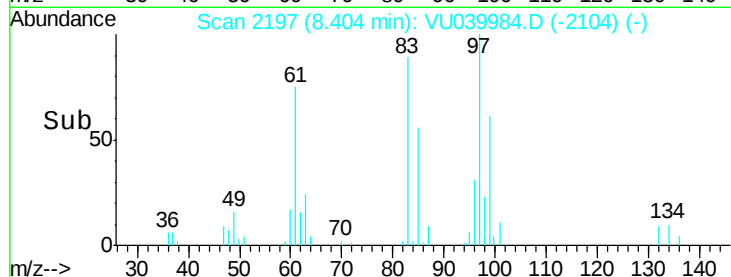
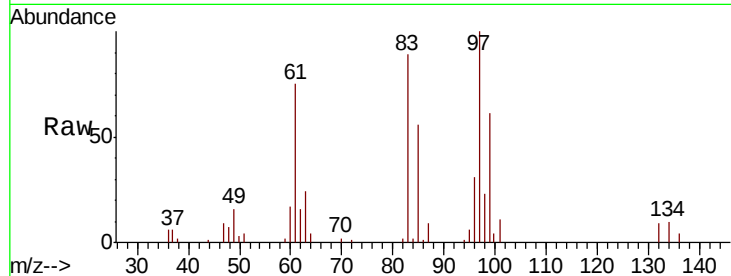




#45
 1,1,2-Trichloroethane
 Concen: 5.210 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

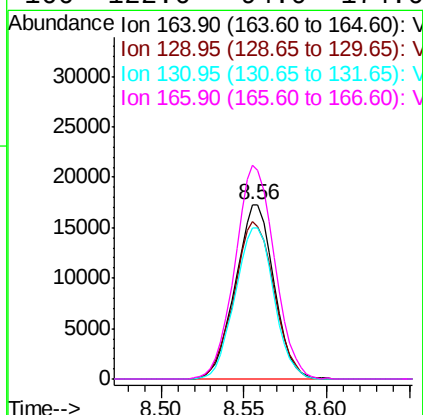
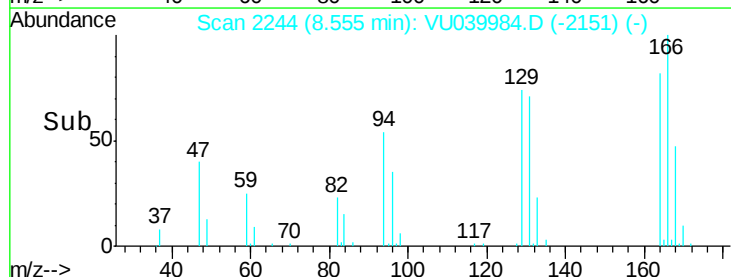
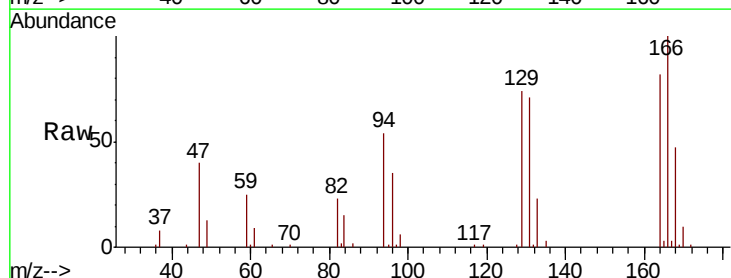
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

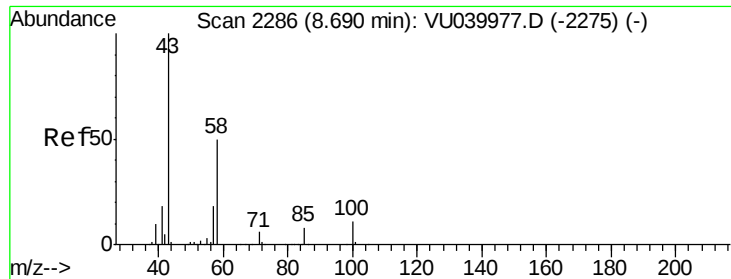
Tot Ion:	97	Resp:	26173
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.1	78.3
83	88.8	59.3	110.1
85	55.5	37.2	69.2



#47
 Tetrachloroethene
 Concen: 5.872 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion:	164	Resp:	27966
Ion	Ratio	Lower	Upper
164	100		
129	90.2	69.1	128.3
131	86.9	66.0	122.6
166	122.6	94.0	174.6

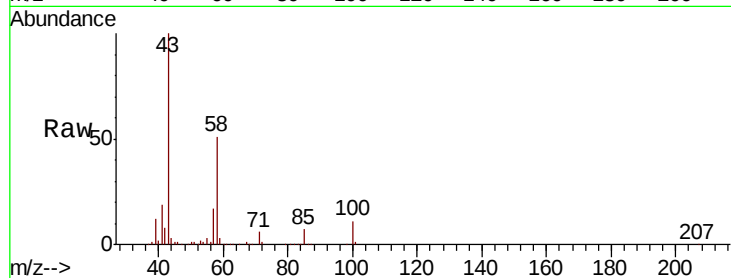




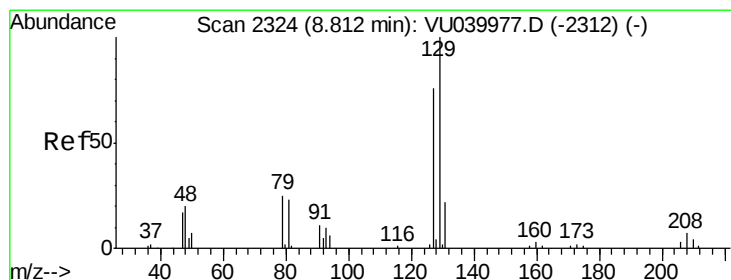
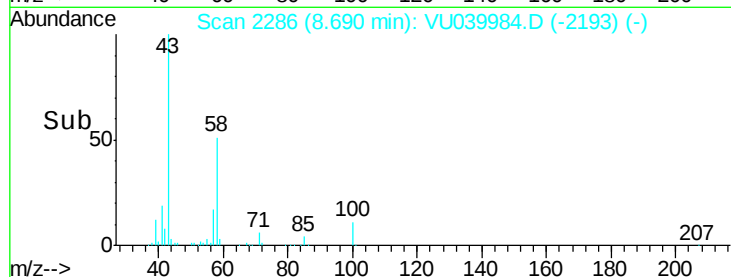
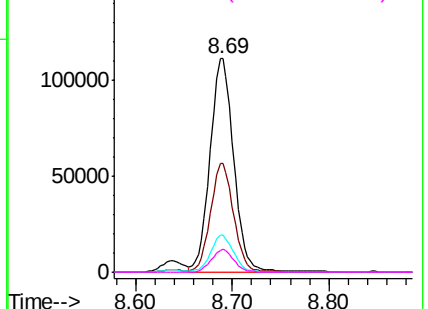
#48
2-Hexanone
Concen: 50.543 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 43 Resp: 189632
Ion Ratio Lower Upper
43 100
58 49.2 41.3 61.9
57 16.7 14.1 21.1
100 10.2 9.1 13.7

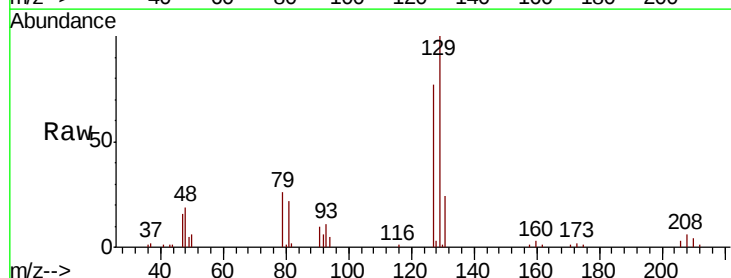


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

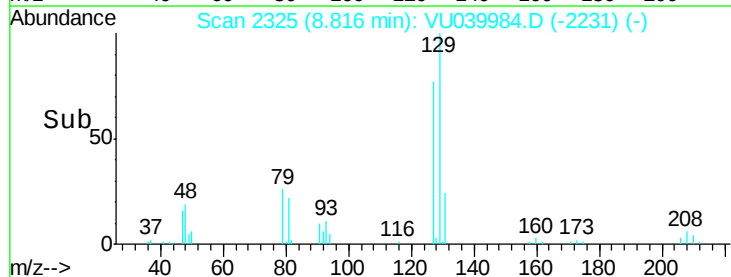
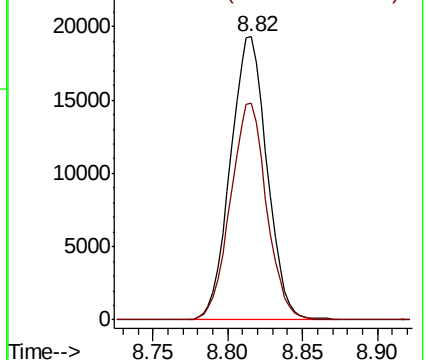


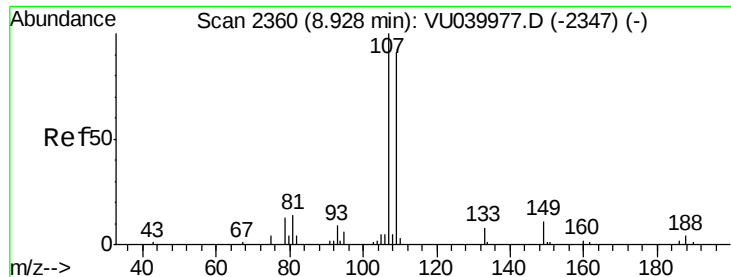
#49
Dibromochloromethane
Concen: 5.490 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 129 Resp: 32926
Ion Ratio Lower Upper
129 100
127 76.6 53.1 98.7



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

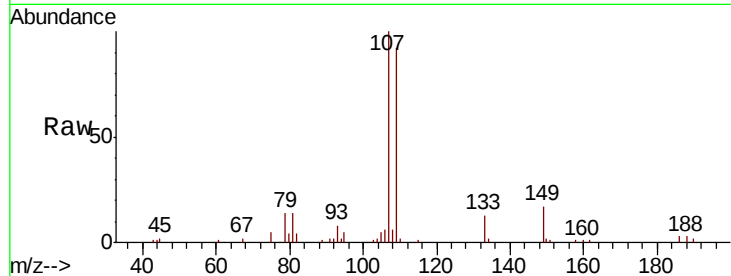




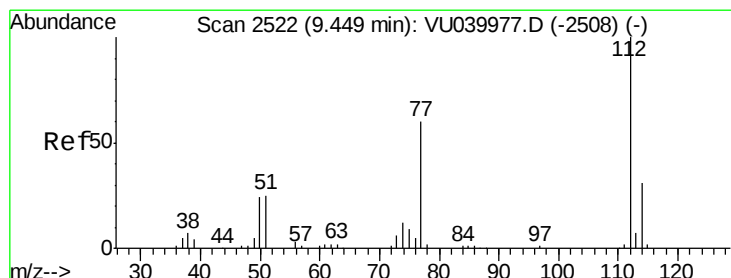
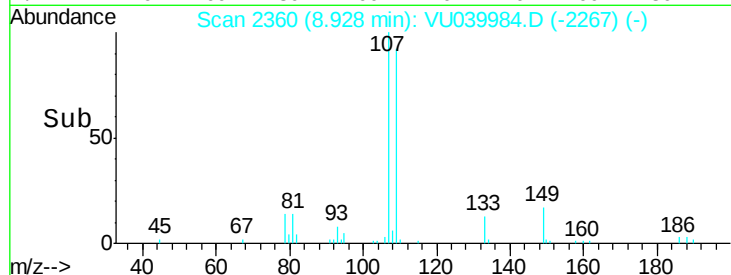
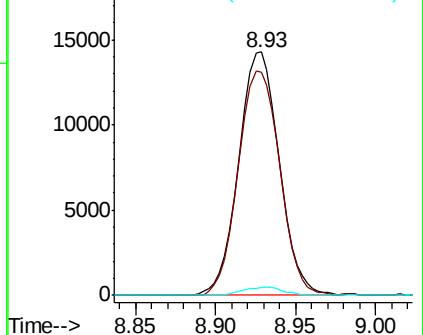
#50
1,2-Dibromoethane
Concen: 5.152 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:107 Resp: 24645
Ion Ratio Lower Upper
107 100
109 91.9 68.3 126.9
188 3.3 2.2 3.4

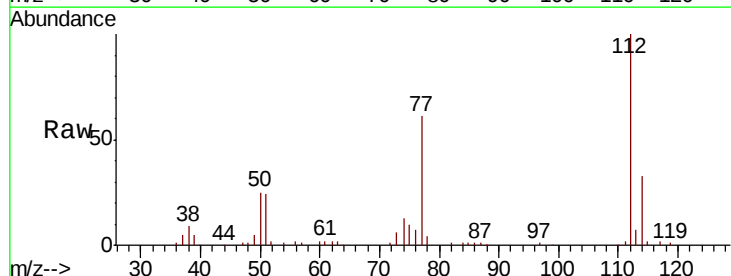


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

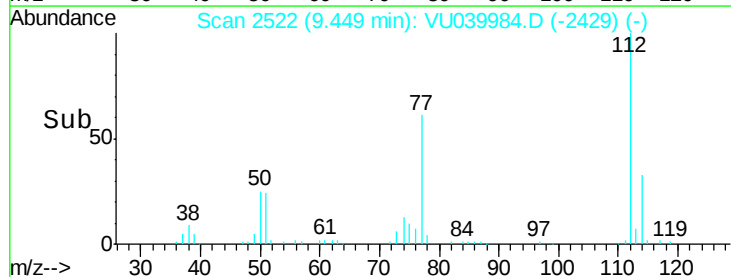
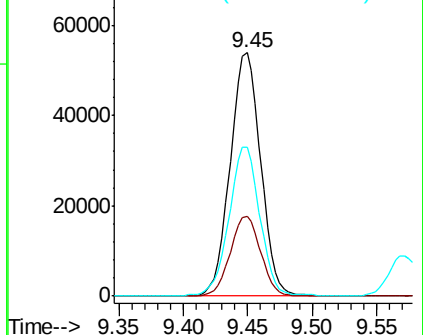


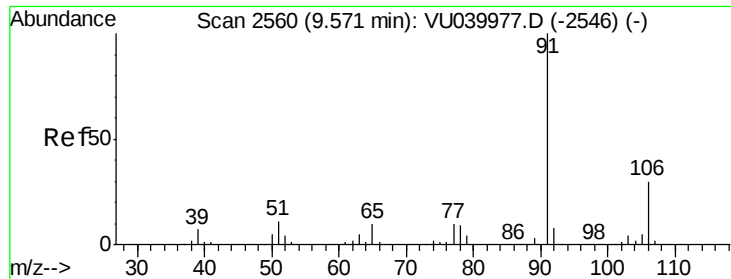
#51
Chlorobenzene
Concen: 5.325 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion:112 Resp: 88463
Ion Ratio Lower Upper
112 100
114 32.9 21.8 40.4
77 61.3 45.4 68.0



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





#52

Ethylbenzene

Concen: 5.535 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

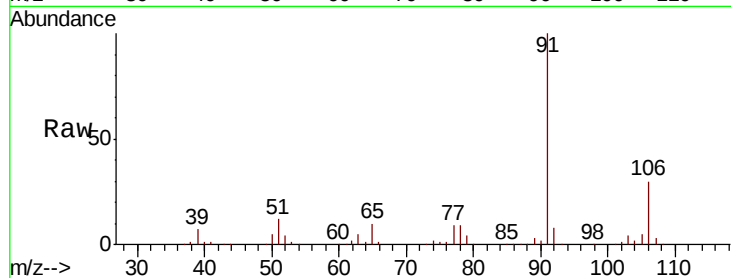
VSTD00512

Tot Ion: 91 Resp: 153182

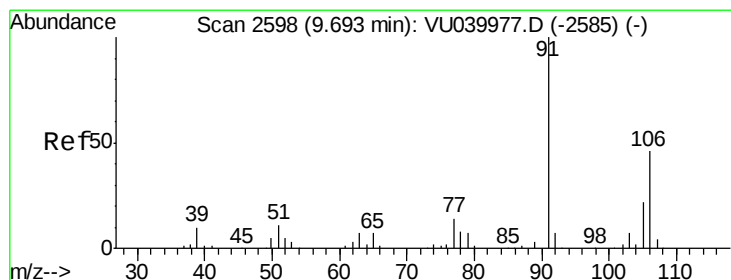
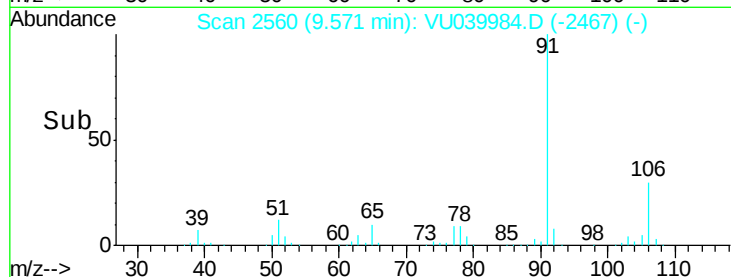
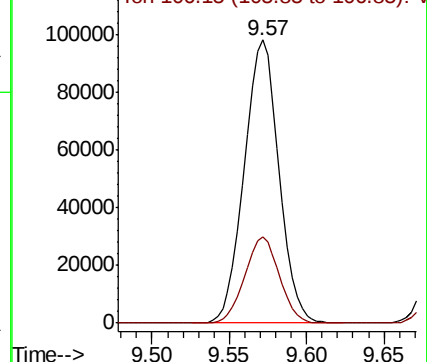
Ion Ratio Lower Upper

91 100

106 30.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU039977.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.467 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039984.D

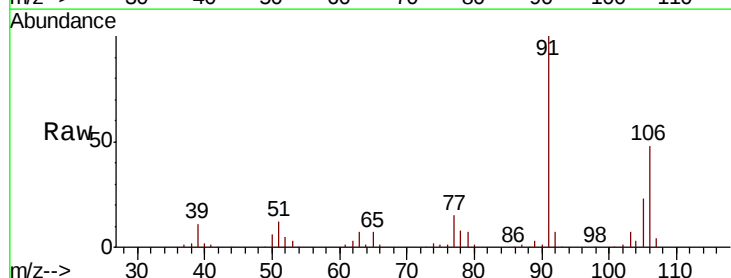
Acq: 26 Aug 2020 15:47

Tgt Ion: 106 Resp: 58077

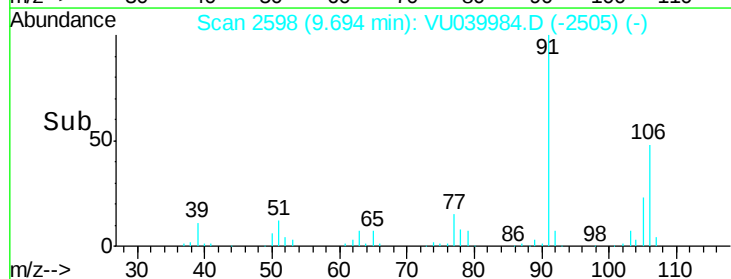
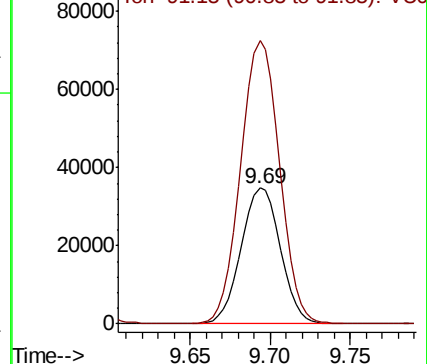
Ion Ratio Lower Upper

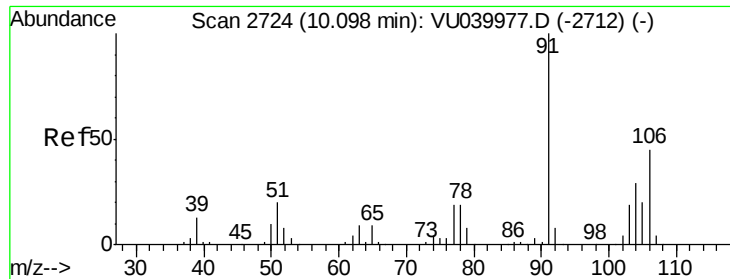
106 100

91 208.4 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): VU039977.D (-2585) (-)

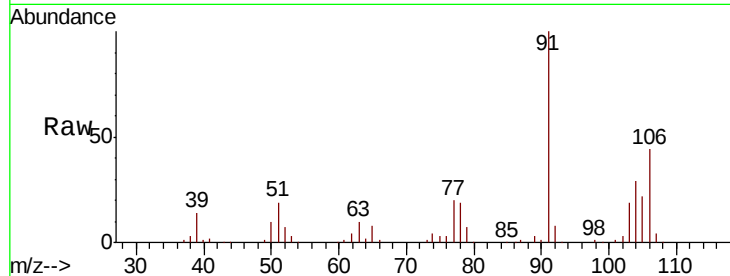




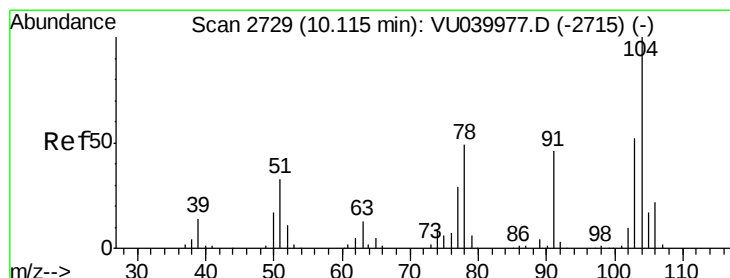
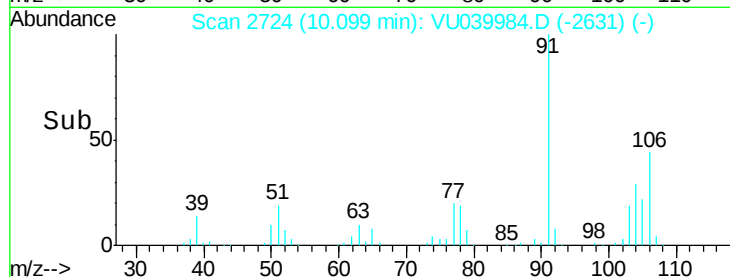
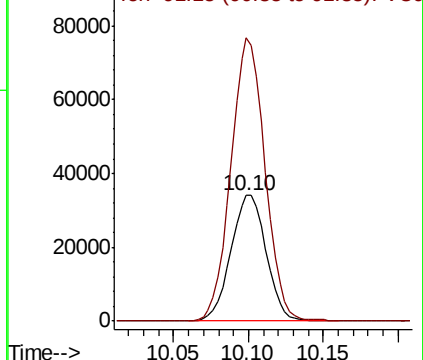
#54
o-Xylene
Concen: 5.566 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 55889
Ion Ratio Lower Upper
106 100
91 225.1 144.6 268.6

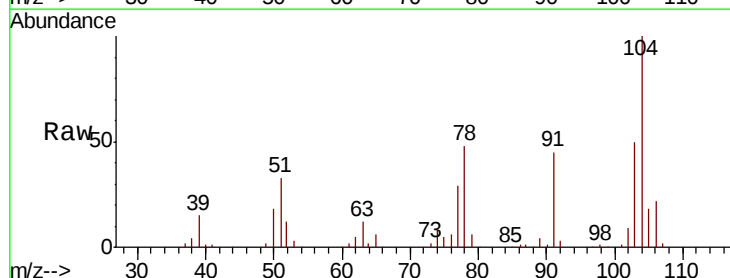


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

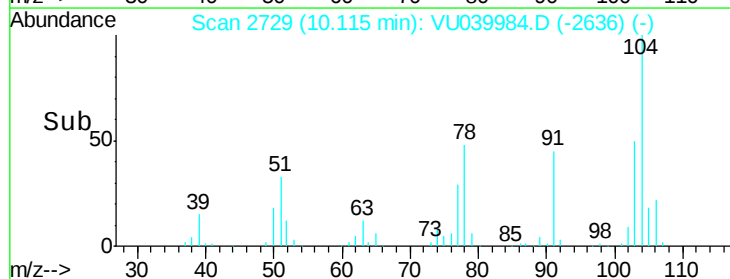
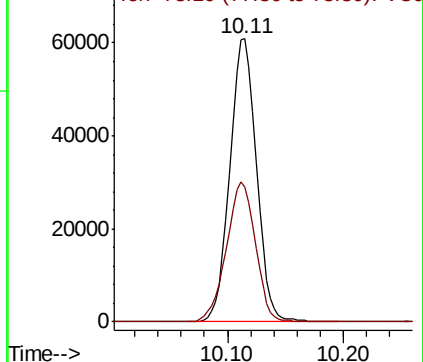


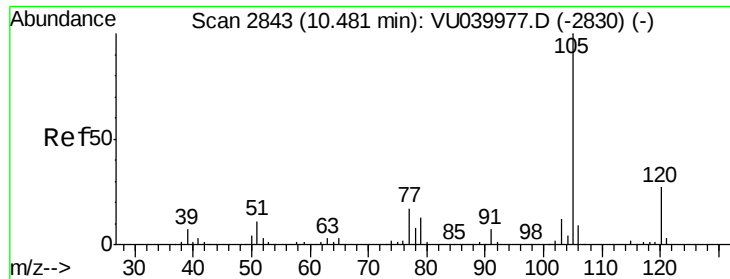
#55
Styrene
Concen: 5.516 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039984.D
Acq: 26 Aug 2020 15:47

Tgt Ion:104 Resp: 96015
Ion Ratio Lower Upper
104 100
78 47.7 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: 5.546 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

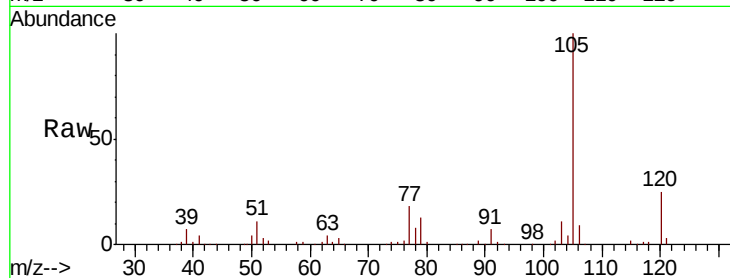
Tot Ion:105 Resp: 149279

Ion Ratio Lower Upper

105 100

120 25.6 21.5 32.3

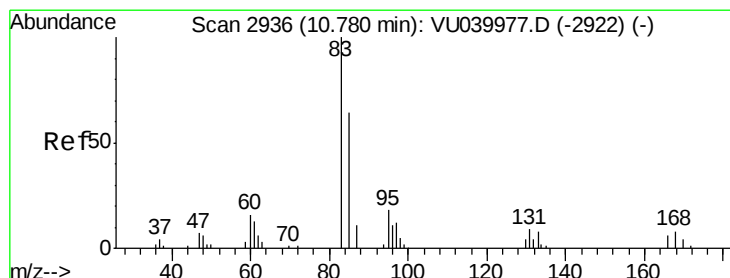
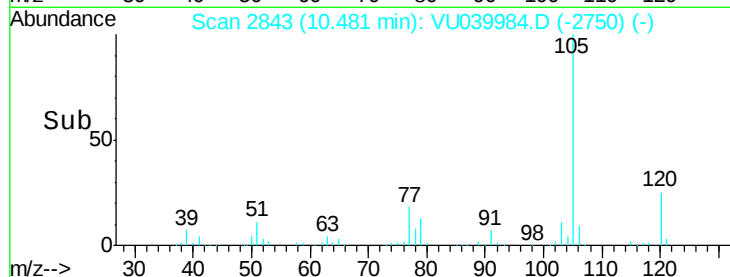
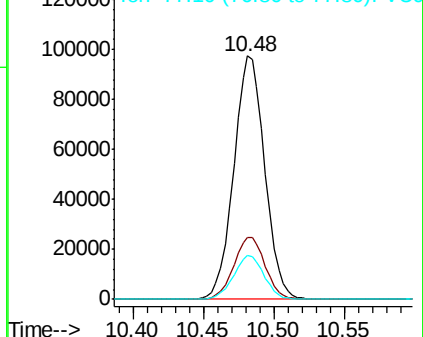
77 17.7 13.0 19.6



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: 4.895 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

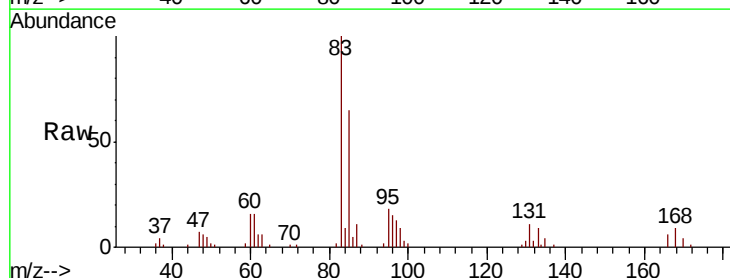
Tgt Ion: 83 Resp: 31753

Ion Ratio Lower Upper

83 100

85 65.1 42.8 79.6

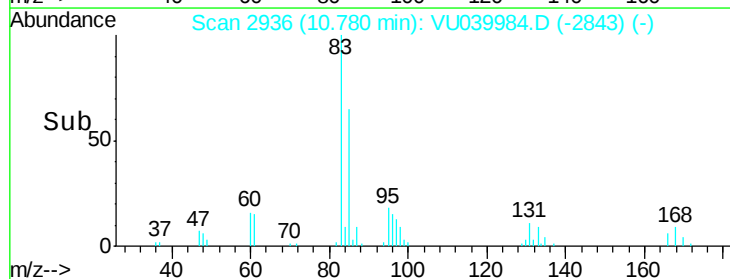
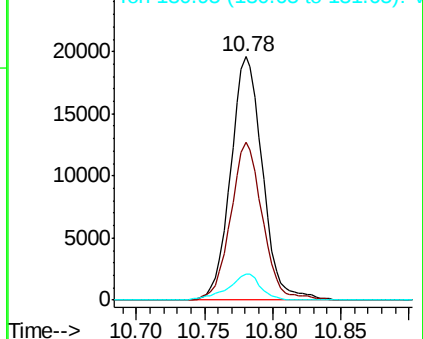
131 10.7 7.4 11.2

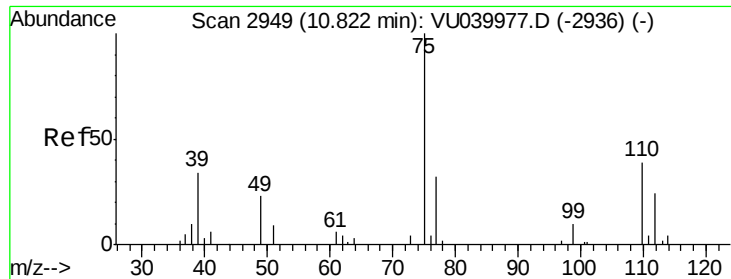


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.110 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

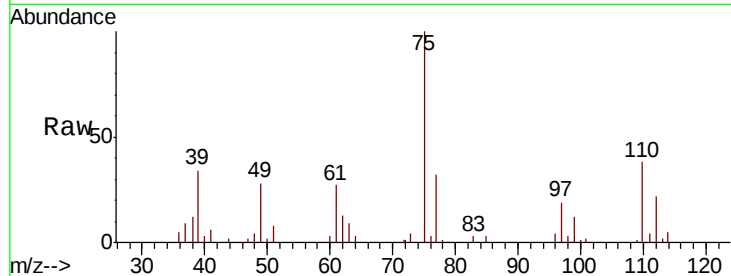
VSTD00512

Tot Ion: 75 Resp: 24207

Ion Ratio Lower Upper

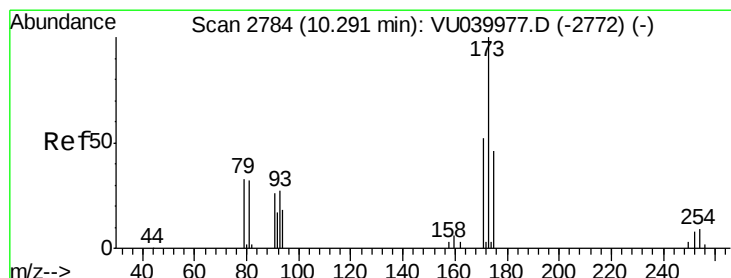
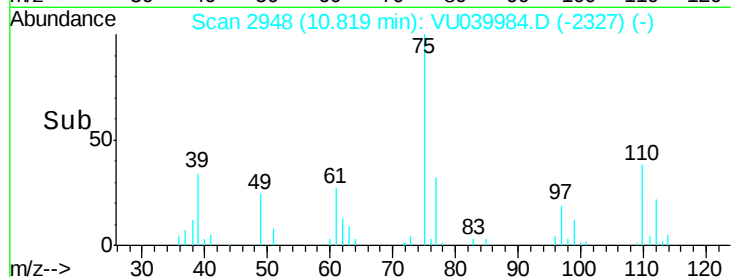
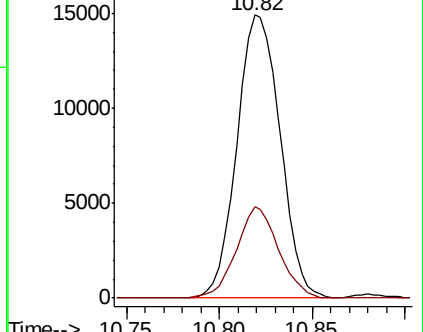
75 100

77 31.4 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU039977.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039977.D (-2936) (-)



#61

Bromoform

Concen: 5.740 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

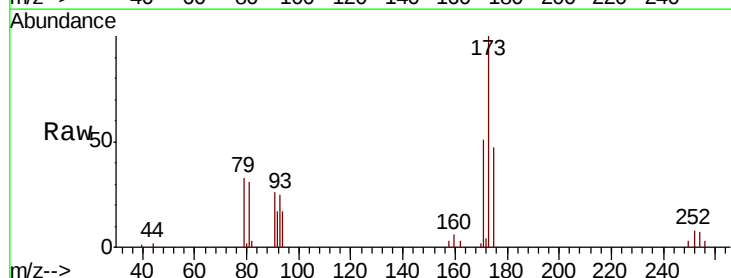
Tgt Ion:173 Resp: 18552

Ion Ratio Lower Upper

173 100

175 47.1 37.6 56.4

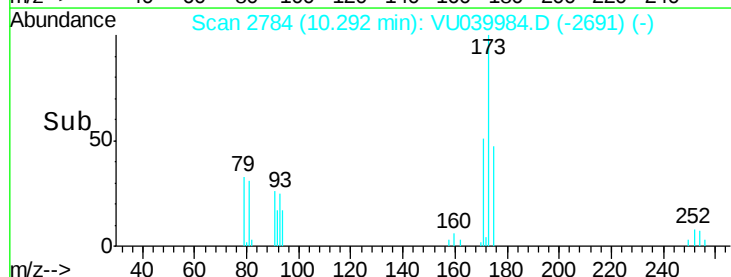
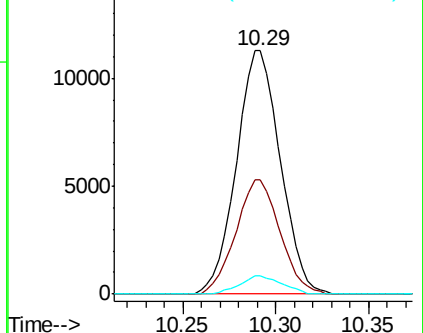
254 7.2 5.8 8.8

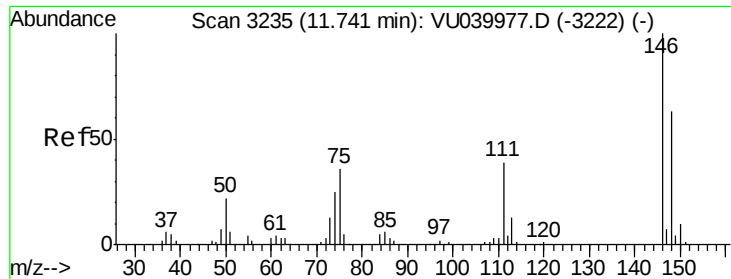


Abundance Ion 172.90 (172.60 to 173.60): VU039977.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039977.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039977.D (-2772) (-)

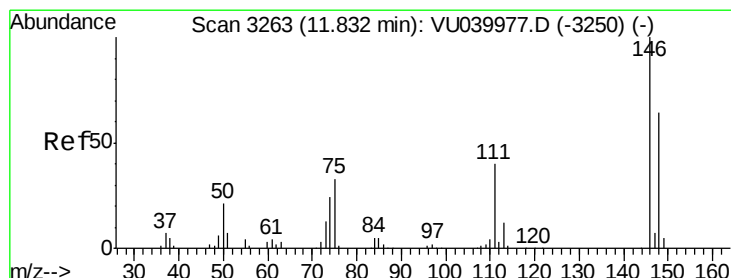
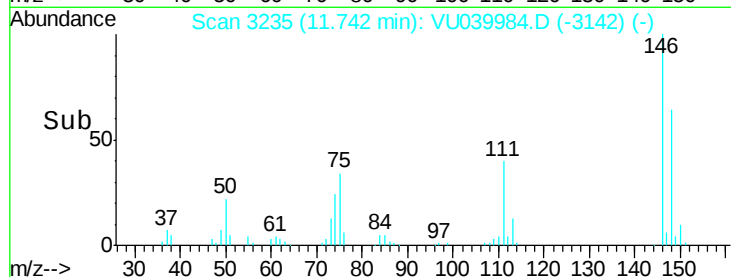
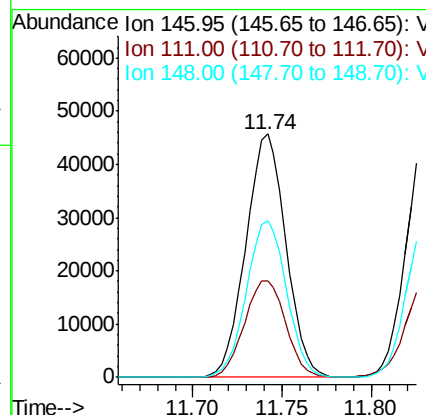
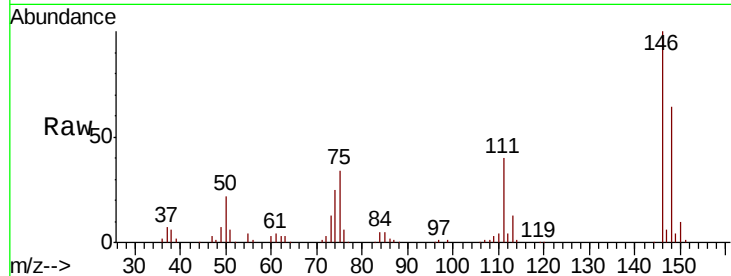




#62
 1,3-Dichlorobenzene
 Concen: 5.272 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

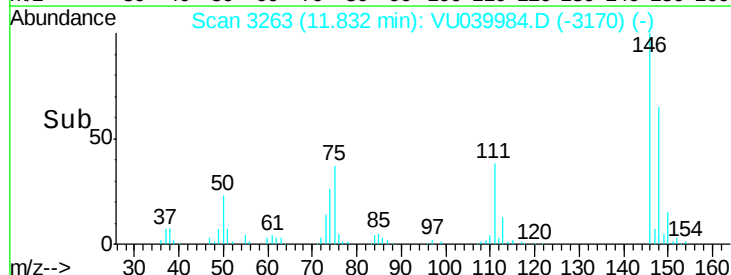
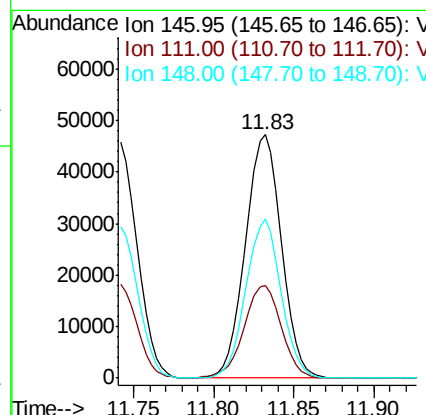
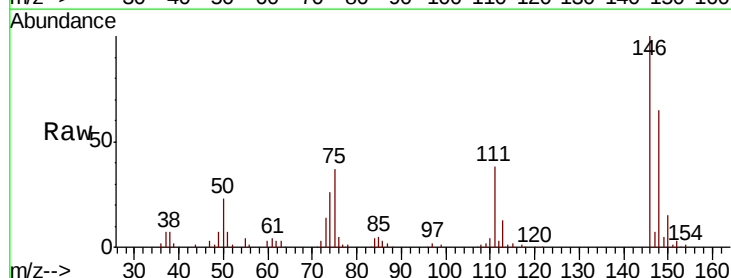
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

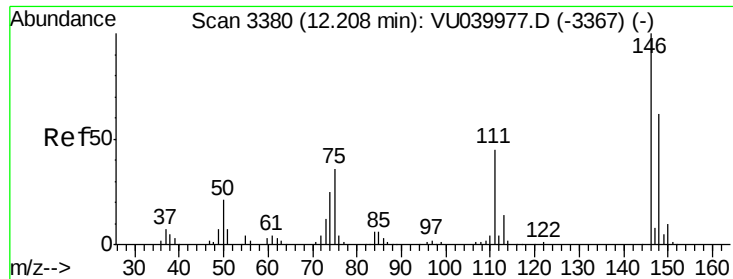
Tot Ion:146 Resp: 71628
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.6 51.4
 148 64.4 43.8 81.4



#63
 1,4-Dichlorobenzene
 Concen: 5.236 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion:146 Resp: 72435
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.5 49.1
 148 65.1 42.8 79.4





#65

1,2-Dichlorobenzene

Concen: 5.207 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

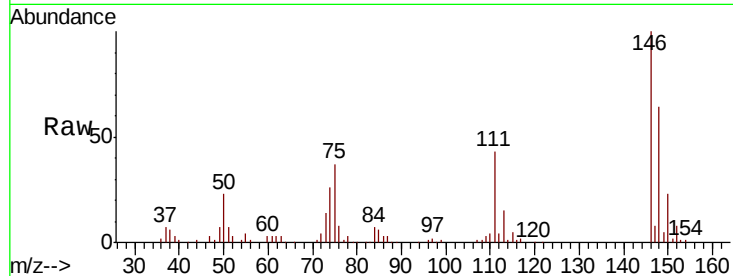
Tot Ion:146 Resp: 68270

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.0

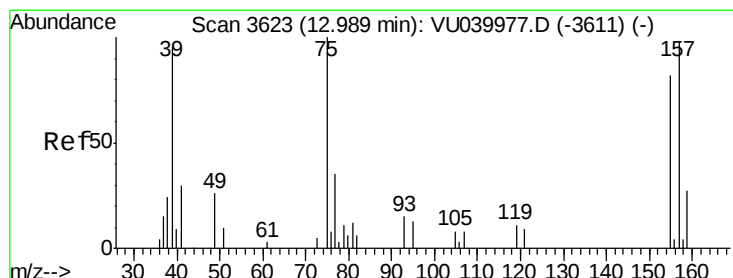
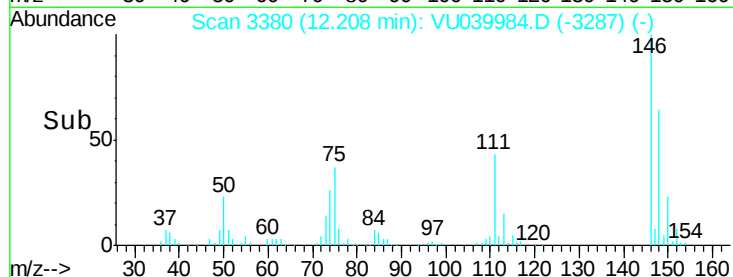
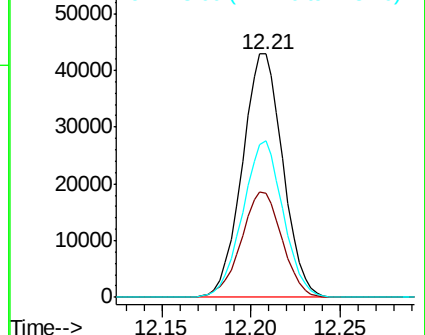
148 64.2 51.4 77.0



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: 5.647 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

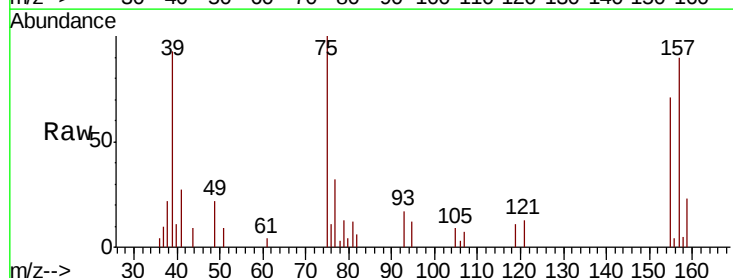
Tgt Ion: 75 Resp: 6055

Ion Ratio Lower Upper

75 100

155 71.5 54.6 82.0

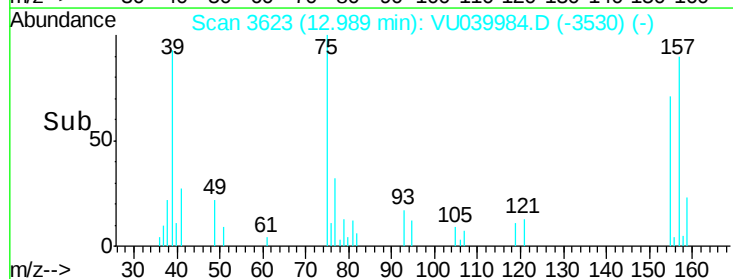
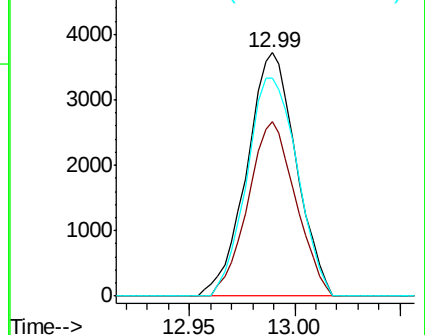
157 89.7 72.2 108.4

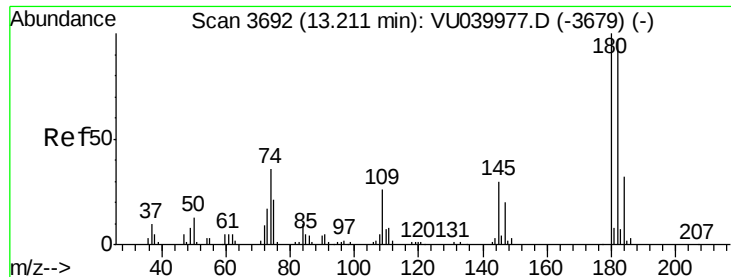


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

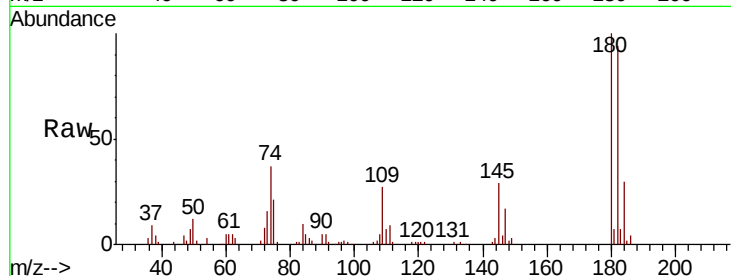




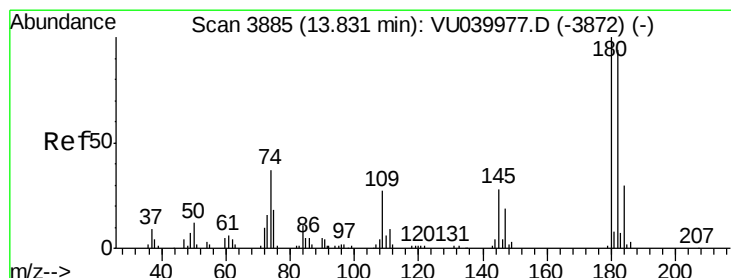
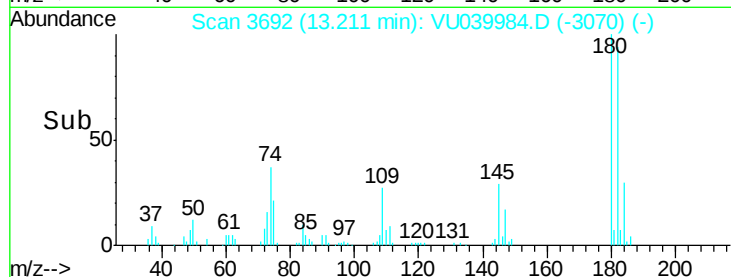
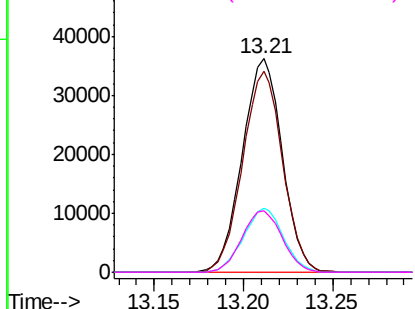
#67
 1,3,5-Trichlorobenzene
 Concen: 5.598 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180	Resp:	56481
Ion	Ratio	Lower Upper
180	100	
182	94.3	79.2 118.8
184	30.0	24.6 36.8
145	28.9	25.7 38.5

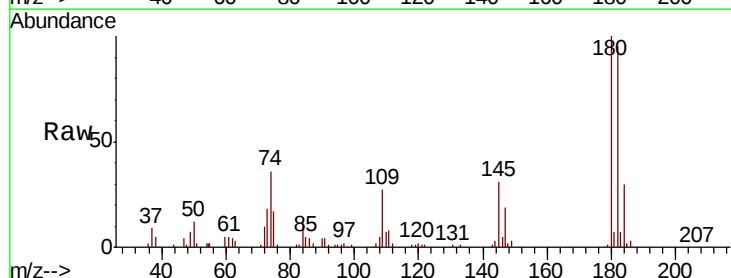


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

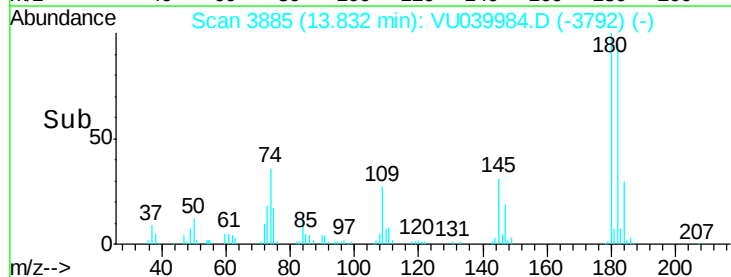
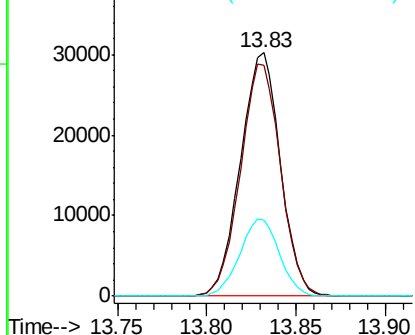


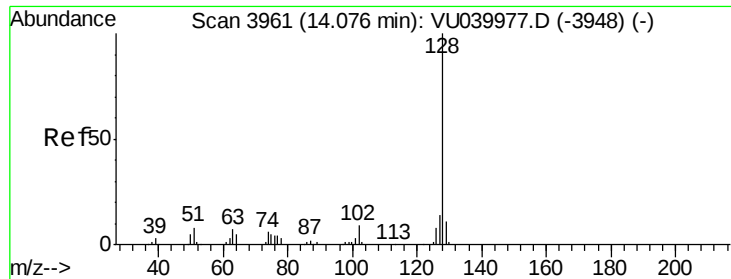
#68
 1,2,4-trichlorobenzene
 Concen: 5.470 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039984.D
 Acq: 26 Aug 2020 15:47

Tgt Ion:180	Resp:	47087
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.2 112.8
145	31.4	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: 4.831 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

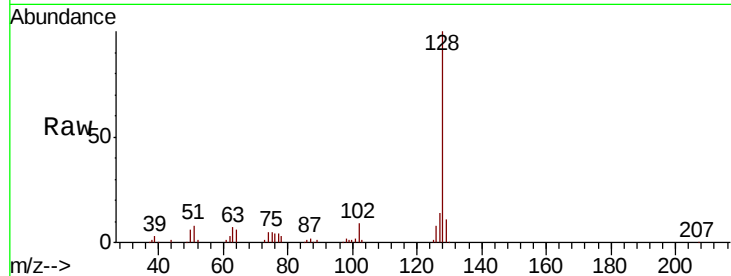
Tot Ion:128 Resp: 76811

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

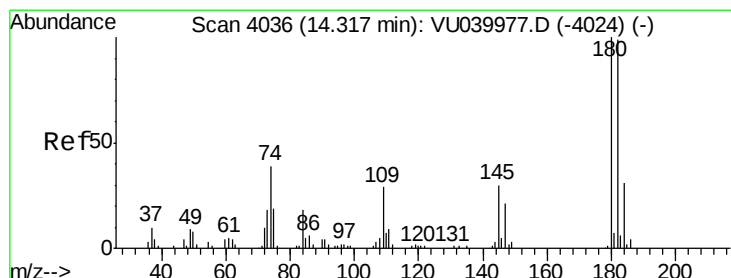
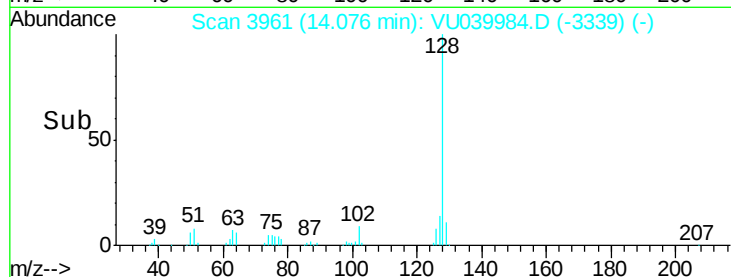
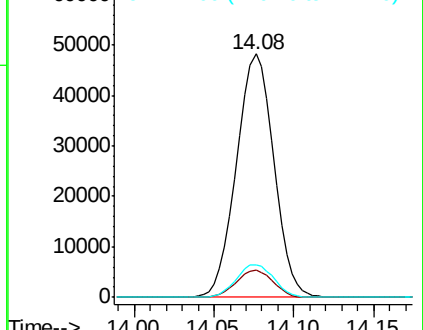
127 13.5 10.2 15.4



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: 5.352 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU039984.D

Acq: 26 Aug 2020 15:47

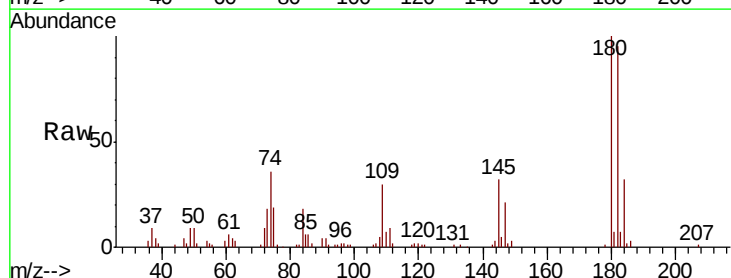
Tgt Ion:180 Resp: 43051

Ion Ratio Lower Upper

180 100

182 96.1 75.0 112.6

145 32.0 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

