

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039103.D
 Acq On : 25 Jun 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Jun 26 00:55:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 17:27:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	292305	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	293558	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145038	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91801	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.93	69	83526	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.59	63	189216	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	4.67	46	413973	53.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	5.10	84	207270	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.74	65	123174	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	376241	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.72	67	127336	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.92	98	319023	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.20	79	55865	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.66	63	328038	53.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125713	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	121048	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	130165	4.976	ug/L 99
3) Chloromethane	1.53	50	132774	4.716	ug/L 95
5) Vinyl chloride	1.62	62	140907	4.963	ug/L 98
6) Bromomethane	1.88	94	57808	3.781	ug/L 99
8) Chloroethane	1.95	64	84480	4.936	ug/L 96
9) Trichlorofluoromethane	2.16	101	183131	5.038	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	111623	5.275	ug/L 98
12) 1,1-Dichloroethene	2.60	96	99338	4.907	ug/L 94
13) Acetone	2.67	43	256481	48.892	ug/L 99
14) Carbon disulfide	2.82	76	327225	4.848	ug/L 100
15) Methyl Acetate	2.98	43	63126	5.068	ug/L 99
16) Methylene chloride	3.08	84	118610	4.749	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	278113	4.826	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	103842	4.794	ug/L 98
19) 1,1-Dichloroethane	3.91	63	212173	4.927	ug/L 99
21) 2-Butanone	4.75	43	410258	51.438	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	114145	4.883	ug/L 94

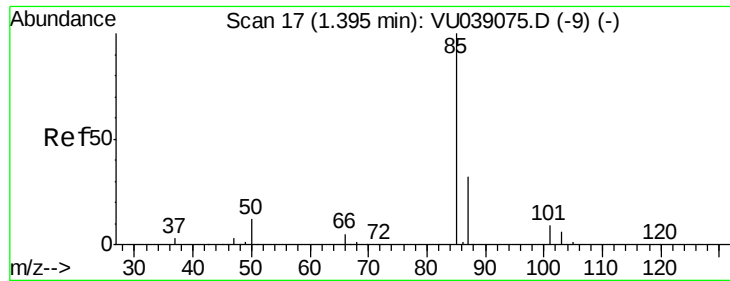
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039103.D
 Acq On : 25 Jun 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Jun 26 00:55:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 17:27:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	52173	4.850	ug/L	90
25) Chloroform	5.13	83	208299	4.815	ug/L	97
27) 1,2-Dichloroethane	5.83	62	149438	4.847	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	180211	4.919	ug/L	98
30) Cyclohexane	5.42	56	173184	5.081	ug/L	98
31) Carbon tetrachloride	5.56	117	149490	4.900	ug/L	100
33) Benzene	5.81	78	453290	4.914	ug/L	100
34) Trichloroethene	6.57	95	110946	4.973	ug/L	99
35) Methylcyclohexane	6.79	83	171785	5.189	ug/L	99
37) 1,2-Dichloropropane	6.82	63	126506	5.063	ug/L	99
38) Bromodichloromethane	7.13	83	153218	4.918	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	172575	4.983	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	956246	51.271	ug/L	99
42) Toluene	7.99	91	469942	5.133	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	162035	5.000	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	90954	4.897	ug/L	98
47) Tetrachloroethene	8.57	164	80177	4.986	ug/L	96
48) 2-Hexanone	8.71	43	725464	53.059	ug/L	99
49) Dibromochloromethane	8.83	129	100717	4.987	ug/L	97
50) 1,2-Dibromoethane	8.95	107	87356	4.975	ug/L	97
51) Chlorobenzene	9.47	112	288602	5.008	ug/L	98
52) Ethylbenzene	9.59	91	490527	5.097	ug/L	97
53) m,p-Xylene	9.71	106	183359	5.182	ug/L	98
54) o-Xylene	10.12	106	174654	5.138	ug/L	97
55) Styrene	10.13	104	311891	5.224	ug/L	99
56) Isopropylbenzene	10.50	105	461609	5.183	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	121007	4.873	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	90994	4.830	ug/L	100
61) Bromoform	10.31	173	56144	4.739	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	218102	5.057	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	223621	5.035	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	211697	4.896	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	21877	4.586	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	154487	4.840	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	133379	4.588	ug/L	99
69) Naphthalene	14.12	128	269500	4.345	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	131374	4.682	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.976 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

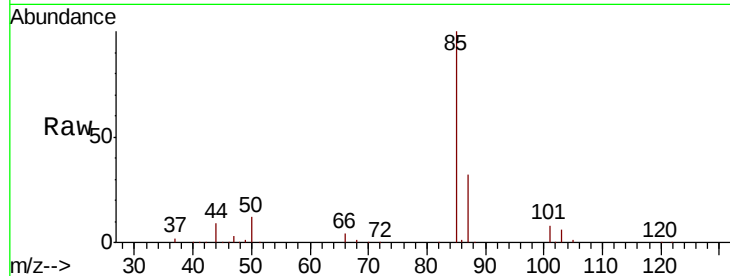
VSTD00516

Tot Ion: 85 Resp: 130165

Ion Ratio Lower Upper

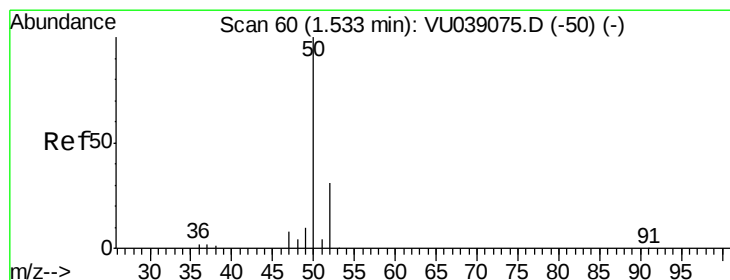
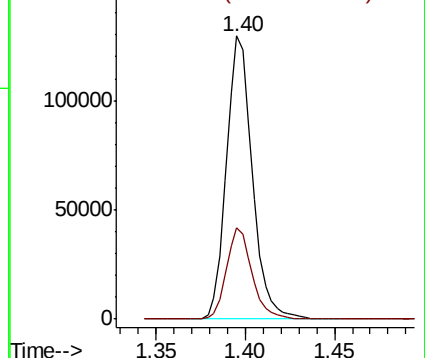
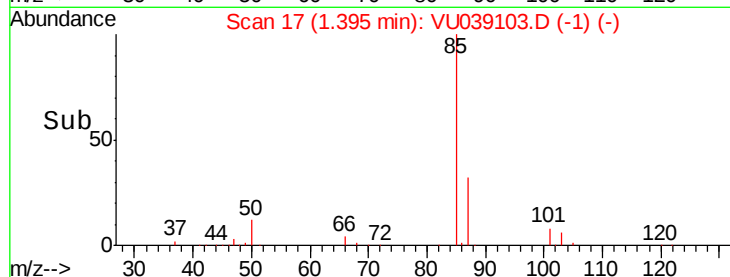
85 100

87 31.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039103.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039103.D (-1) (-)



#3

Chloromethane

Concen: 4.716 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039103.D

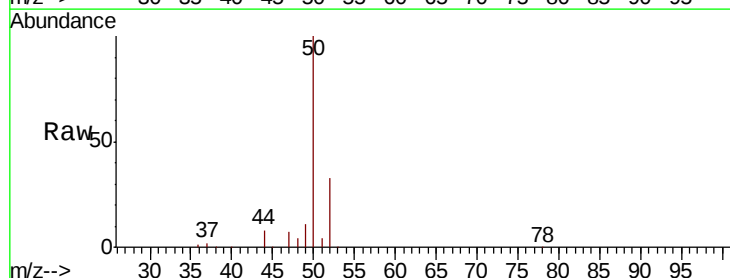
Acq: 25 Jun 2020 09:31

Tgt Ion: 50 Resp: 132774

Ion Ratio Lower Upper

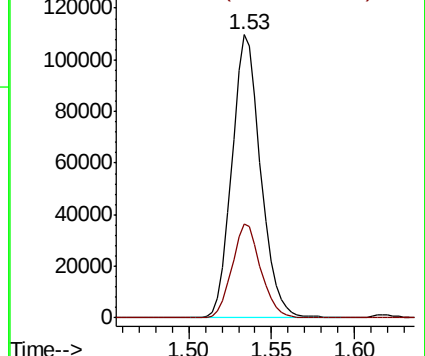
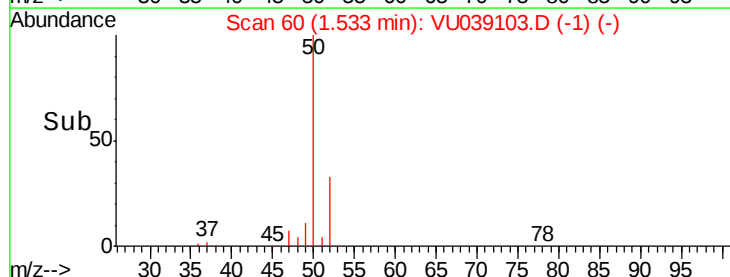
50 100

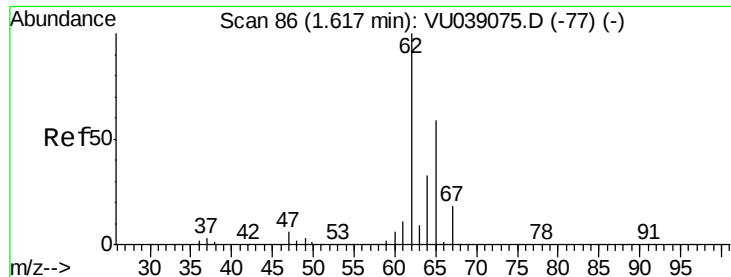
52 33.2 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039103.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039103.D (-1) (-)





#5

Vinyl chloride

Concen: 4.963 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

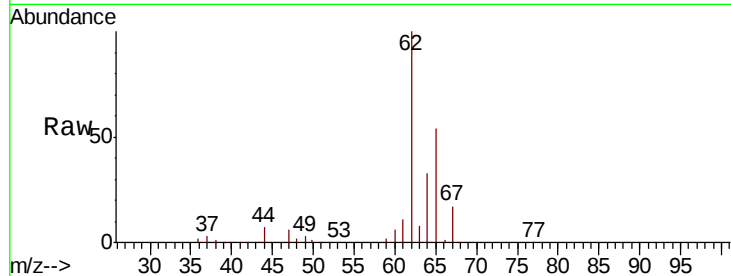
VSTD00516

Tot Ion: 62 Resp: 140907

Ion Ratio Lower Upper

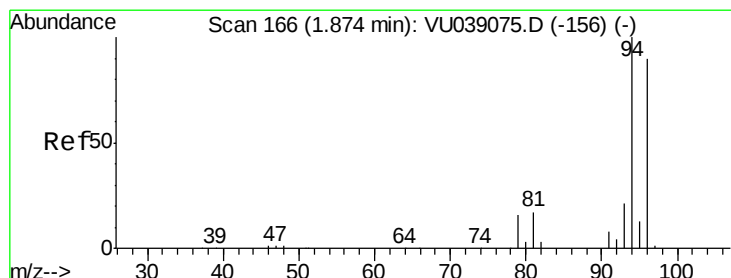
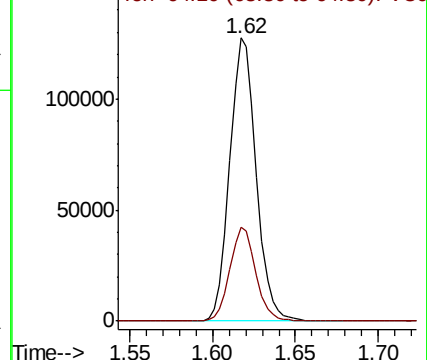
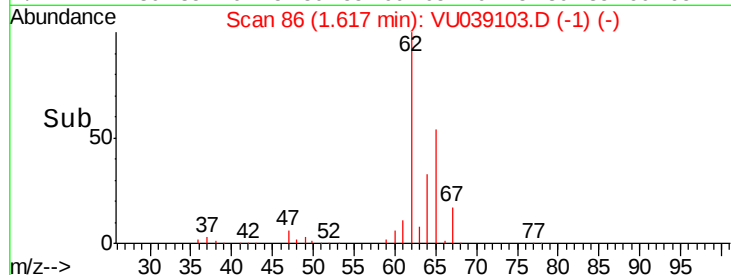
62 100

64 33.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039103.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039103.D (-1) (-)



#6

Bromomethane

Concen: 3.781 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039103.D

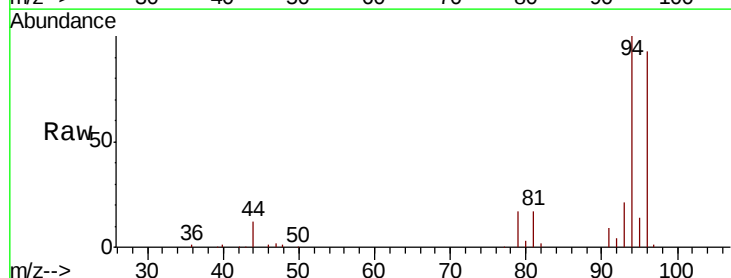
Acq: 25 Jun 2020 09:31

Tgt Ion: 94 Resp: 57808

Ion Ratio Lower Upper

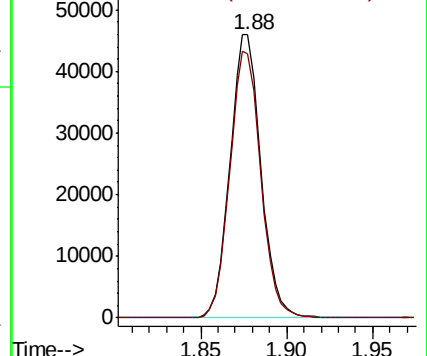
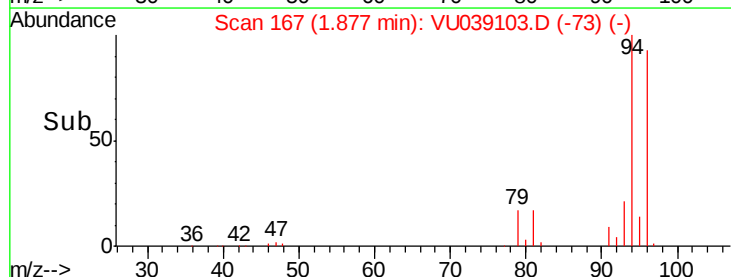
94 100

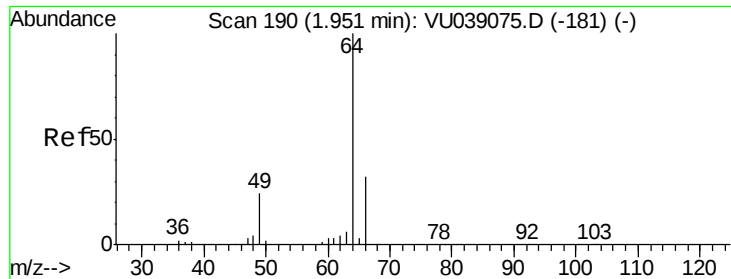
96 93.2 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039103.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU039103.D (-73) (-)





#8

Chloroethane

Concen: 4.936 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

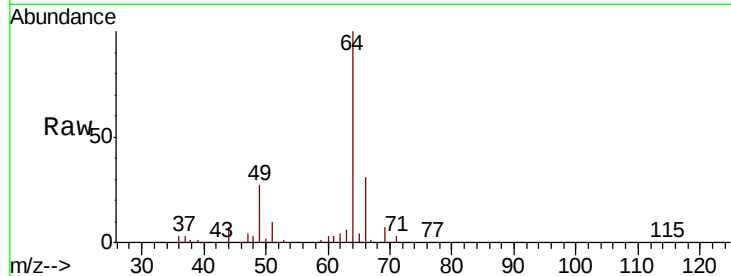
VSTD00516

Tot Ion: 64 Resp: 84480

Ion Ratio Lower Upper

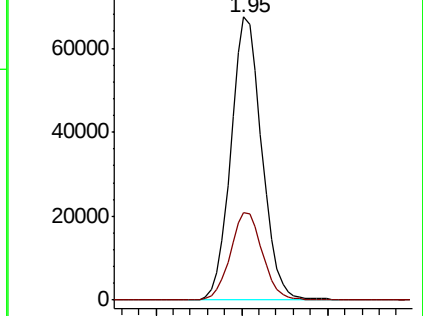
64 100

66 31.0 23.4 43.4

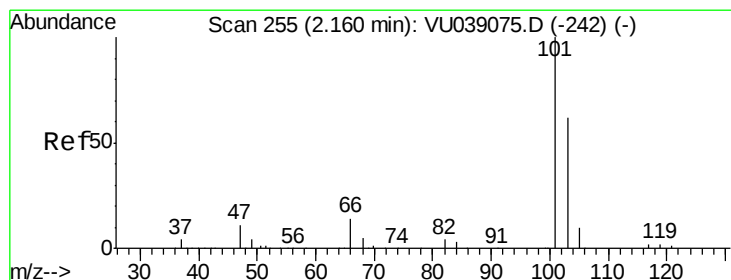
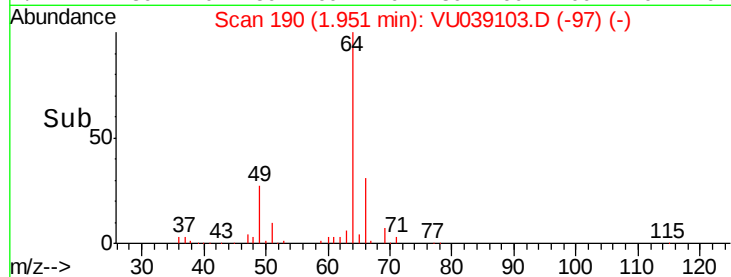


Abundance Ion 64.10 (63.80 to 64.80): VU039103.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU039103.D (-97) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.038 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039103.D

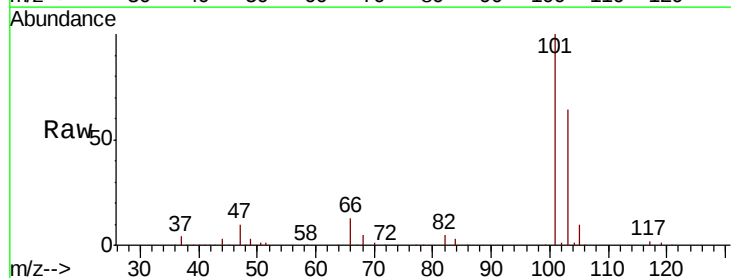
Acq: 25 Jun 2020 09:31

Tgt Ion:101 Resp: 183131

Ion Ratio Lower Upper

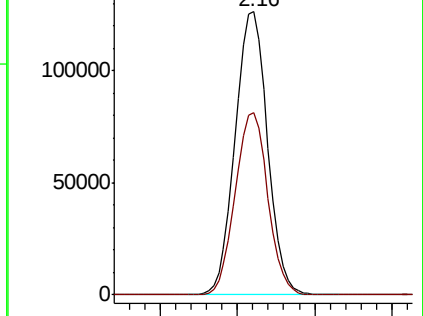
101 100

103 64.8 51.4 77.0

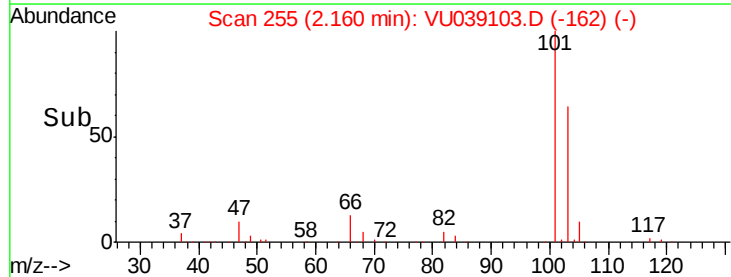


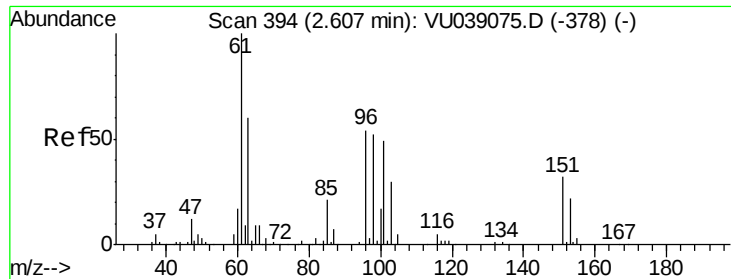
Abundance Ion 101.00 (100.70 to 101.70): VU039103.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU039103.D (-162) (-)



Time-->





#10

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

Concen: 5.275 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

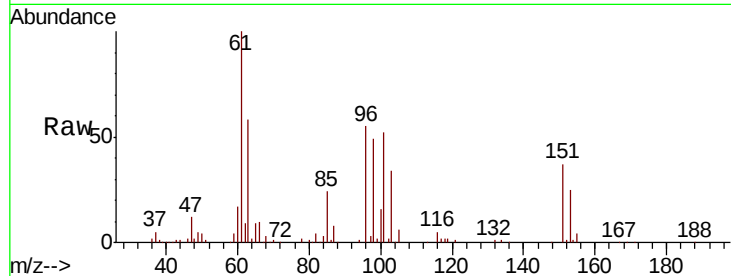
Tot Ion:101 Resp: 111623

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.4

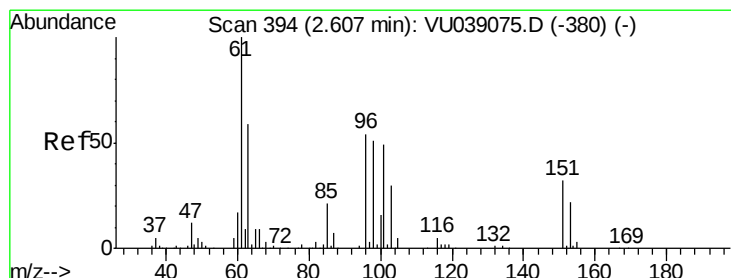
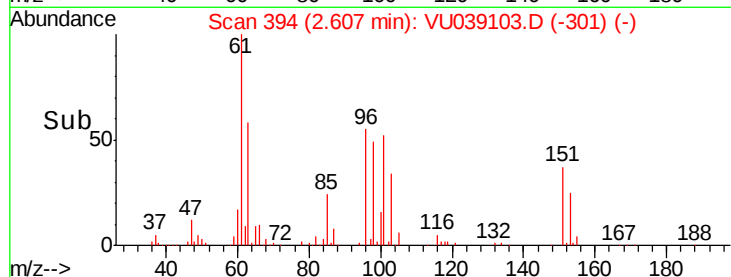
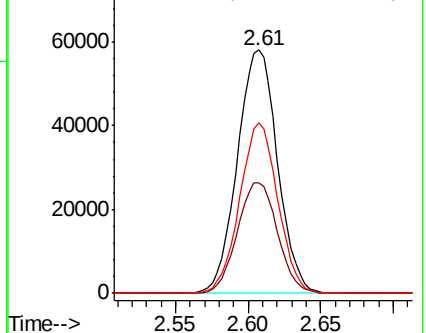
151 66.8 55.0 82.6



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: 4.907 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

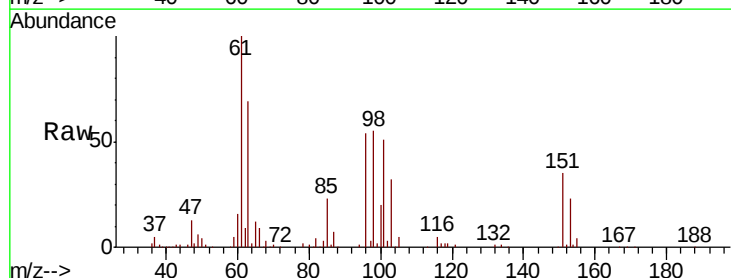
Tgt Ion: 96 Resp: 99338

Ion Ratio Lower Upper

96 100

61 185.4 125.1 232.3

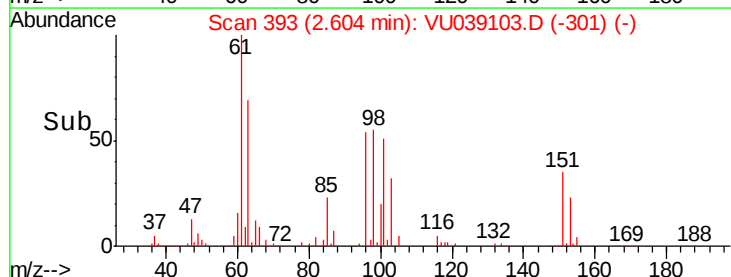
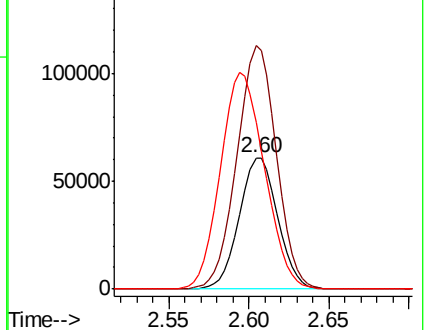
63 127.0 82.3 152.8

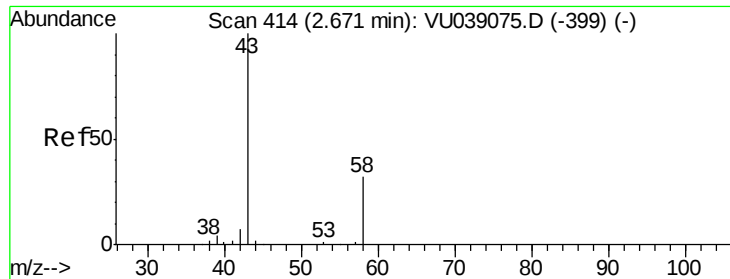


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.892 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

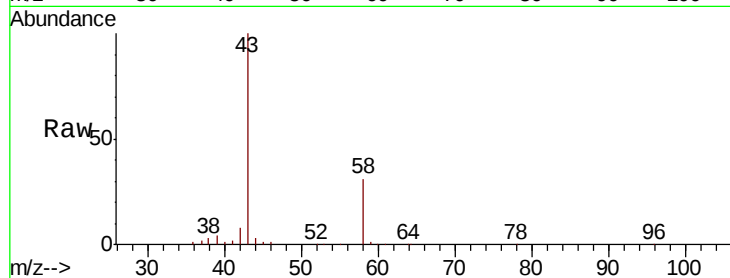
VSTD00516

Tot Ion: 43 Resp: 256481

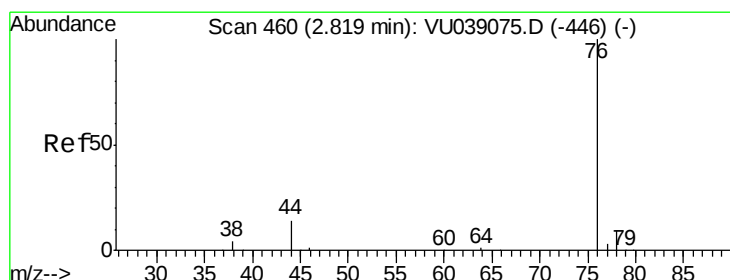
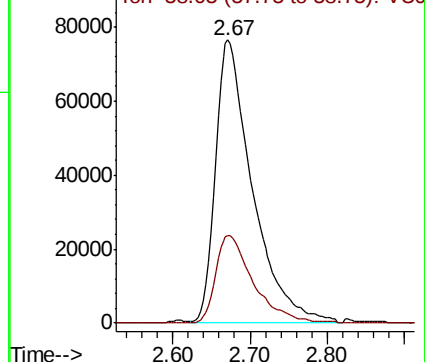
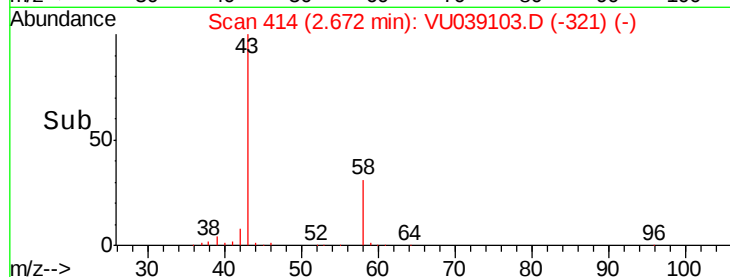
Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039103.D (-321) (-)



#14

Carbon disulfide

Concen: 4.848 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU039103.D

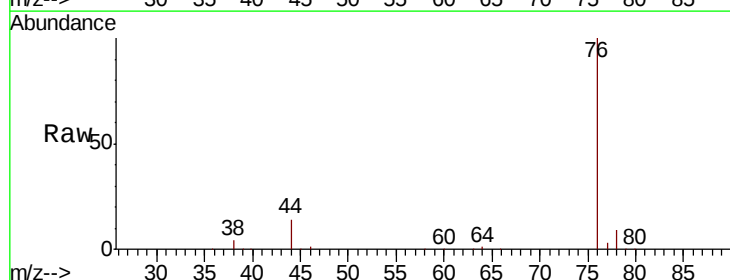
Acq: 25 Jun 2020 09:31

Tgt Ion: 76 Resp: 327225

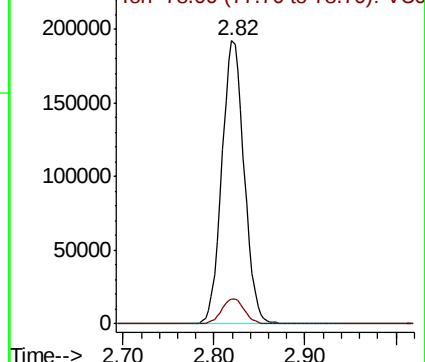
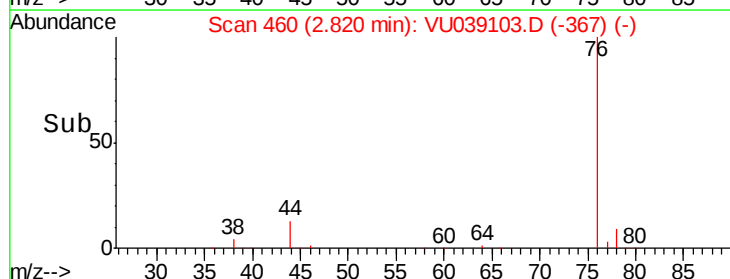
Ion Ratio Lower Upper

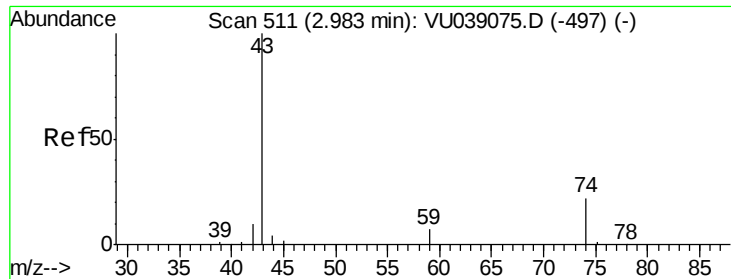
76 100

78 8.9 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039103.D (-367) (-)





#15

Methvl Acetate

Concen: 5.068 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

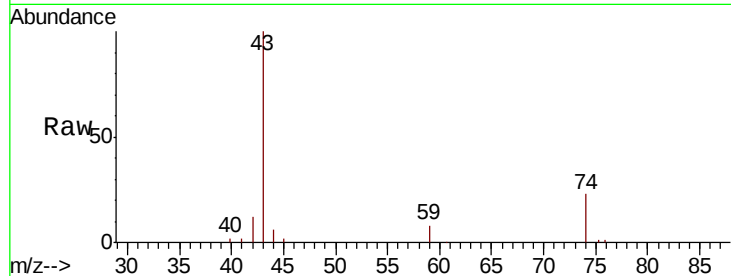
VSTD00516

Tot Ion: 43 Resp: 63126

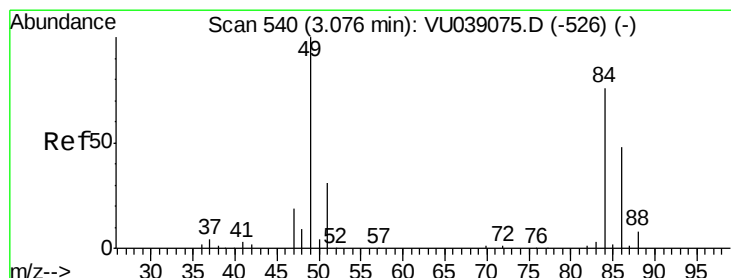
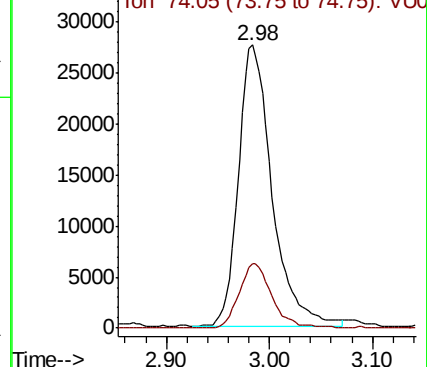
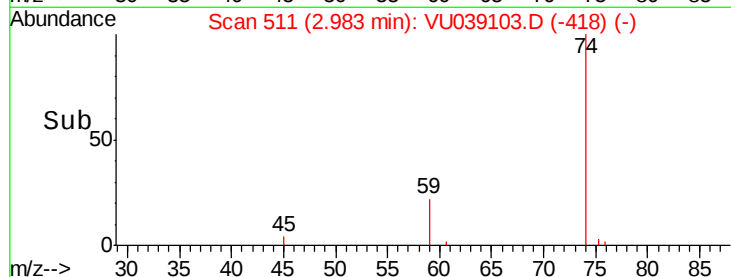
Ion Ratio Lower Upper

43 100

74 21.6 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU039103.D (-418) (-)



#16

Methylene chloride

Concen: 4.749 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

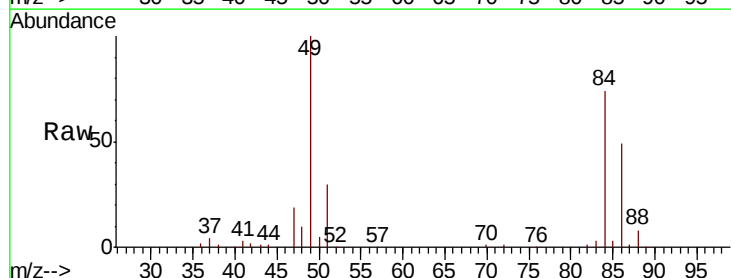
Tgt Ion: 84 Resp: 118610

Ion Ratio Lower Upper

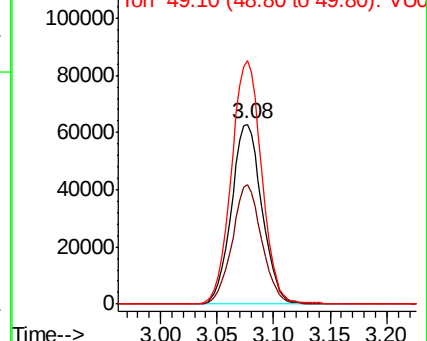
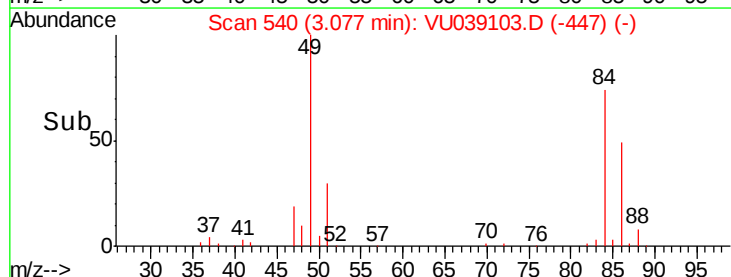
84 100

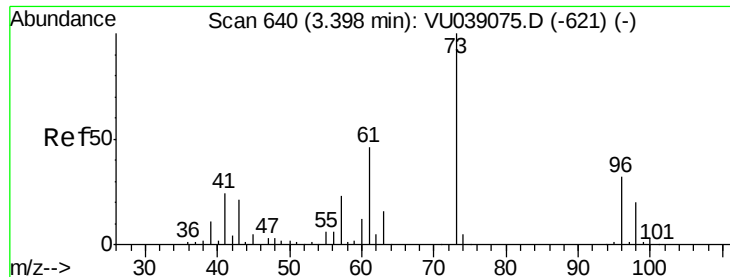
86 66.2 44.1 81.9

49 135.2 93.1 172.9



Abundance Ion 84.05 (83.75 to 84.75): VU039103.D (-447) (-)

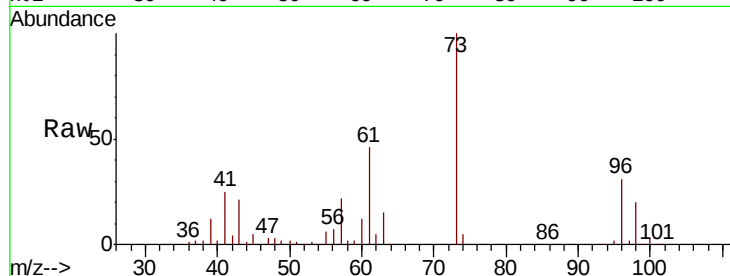




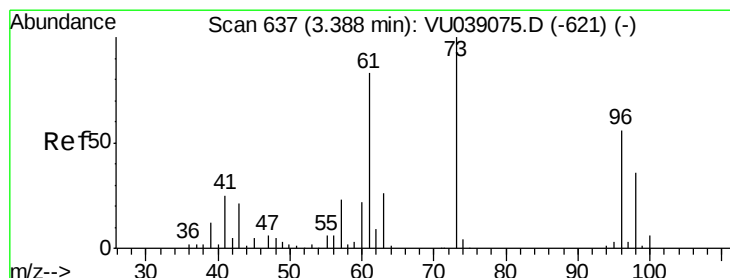
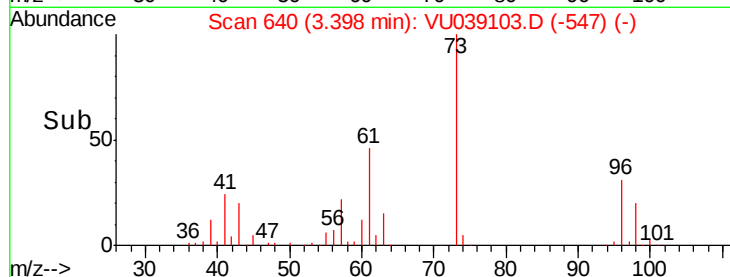
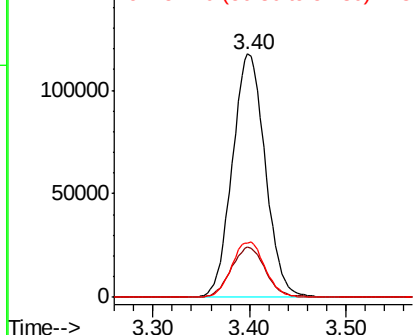
#17
Methvl tert-butvl Ether
Concen: 4.826 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion: 73 Resp: 278113
Ion Ratio Lower Upper
73 100
43 21.2 16.6 24.8
57 23.1 18.2 27.4

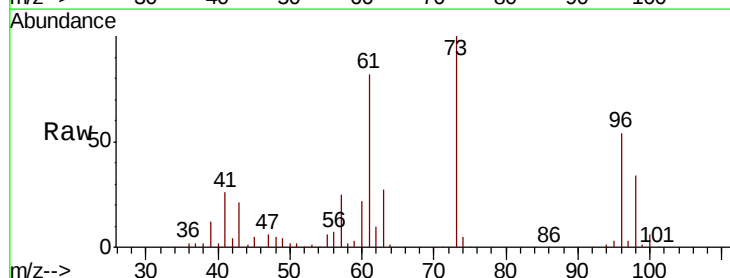


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

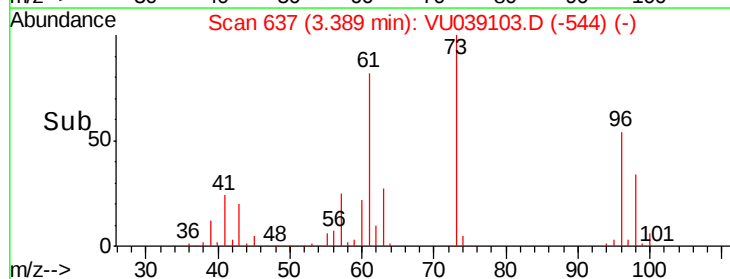
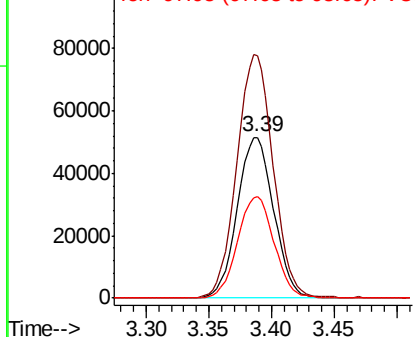


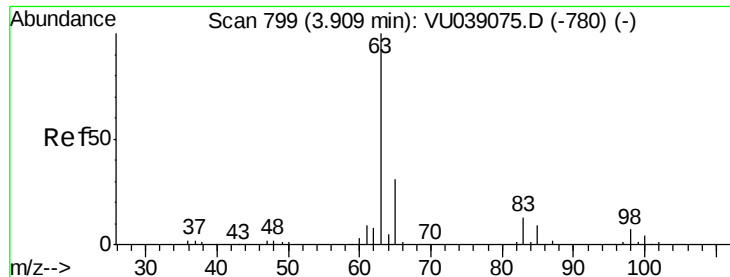
#18
trans-1,2-Dichloroethene
Concen: 4.794 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion: 96 Resp: 103842
Ion Ratio Lower Upper
96 100
61 151.0 103.5 192.3
98 62.9 44.9 83.5



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

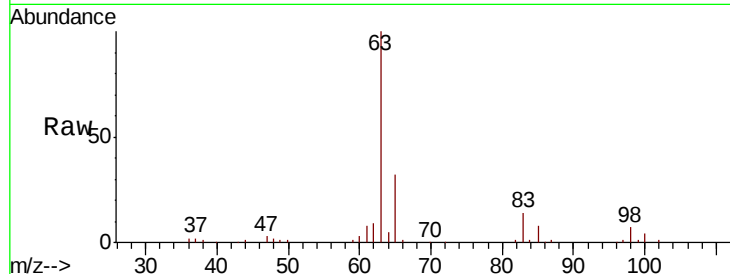




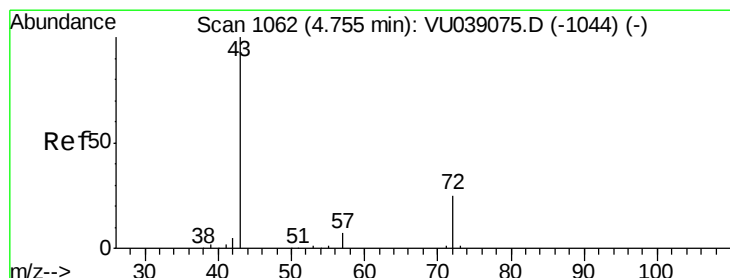
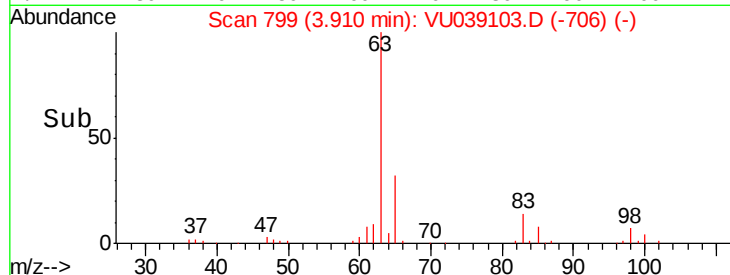
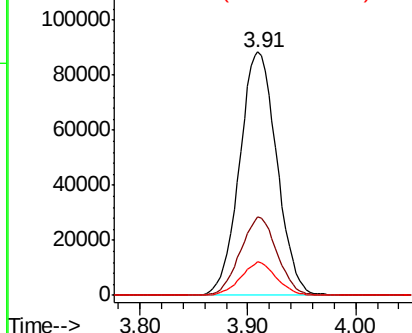
#19
 1,1-Dichloroethane
 Concen: 4.927 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 63 Resp: 212173
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.1 41.1
 83 13.7 9.3 17.3

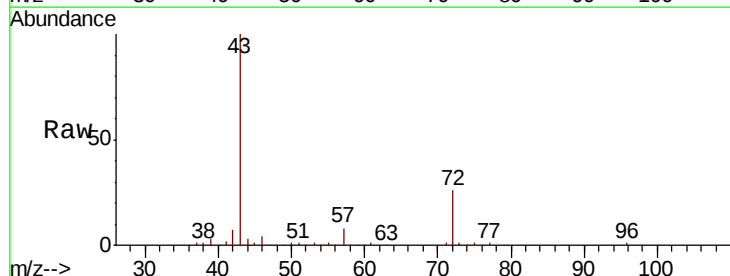


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

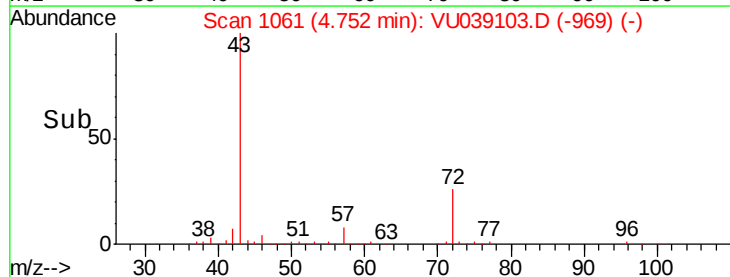
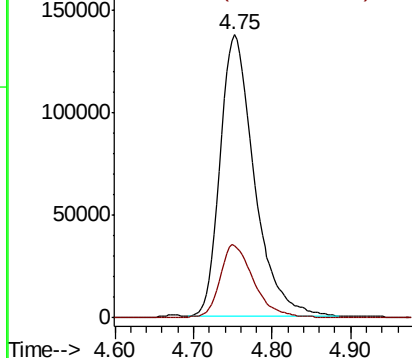


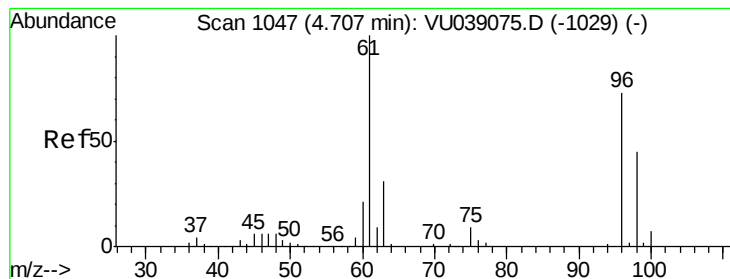
#21
 2-Butanone
 Concen: 51.438 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 43 Resp: 410258
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.1 39.3



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





#22

cis-1,2-Dichloroethene

Concen: 4.883 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

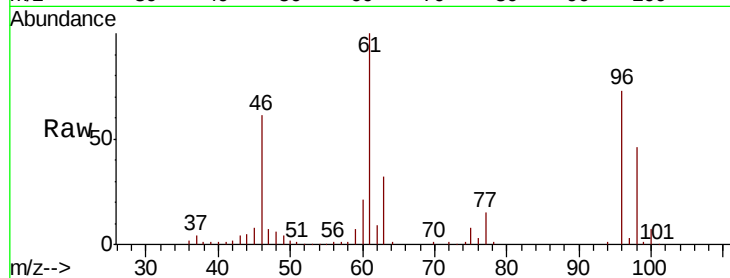
Tot Ion: 96 Resp: 114145

Ion Ratio Lower Upper

96 100

61 136.8 100.8 187.2

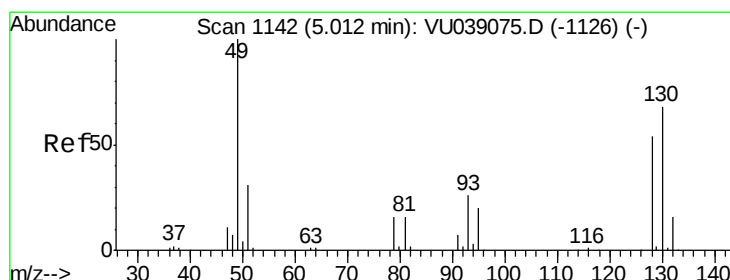
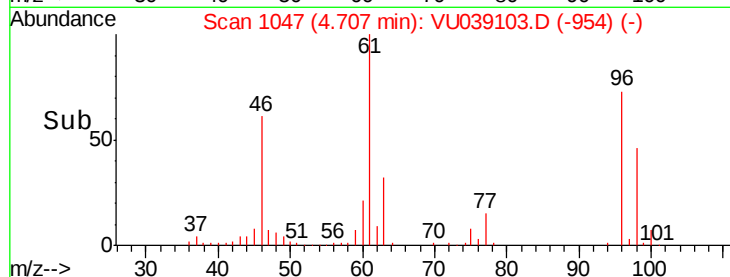
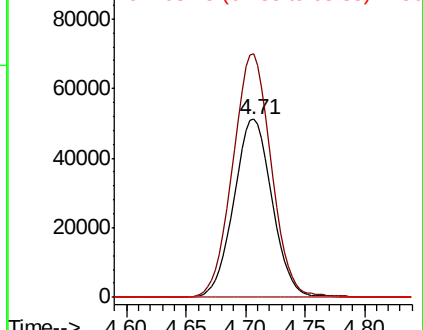
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039103.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039103.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039103.D (-954) (-)



#23

Bromochloromethane

Concen: 4.850 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Tgt Ion:128 Resp: 52173

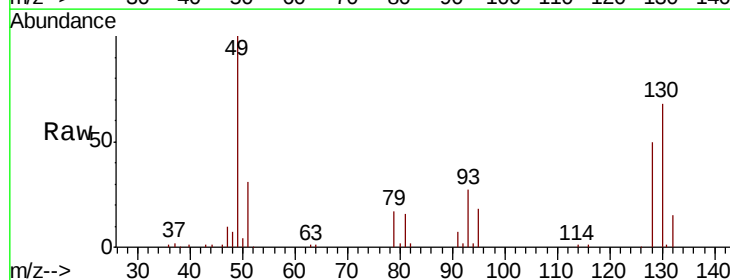
Ion Ratio Lower Upper

128 100

49 198.2 127.3 236.5

130 133.9 84.4 156.7

51 61.5 47.5 71.3

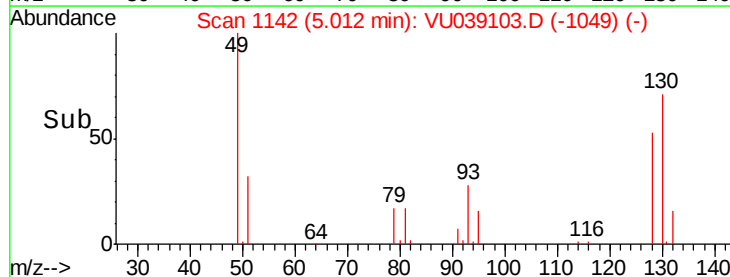
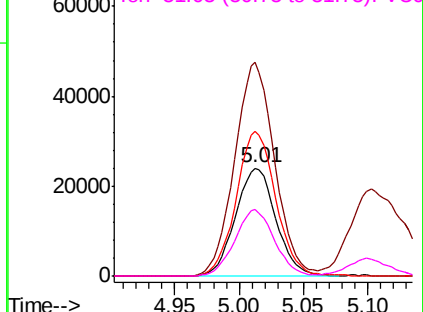


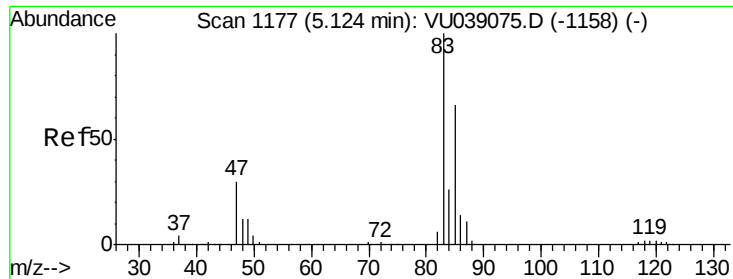
Abundance Ion 127.90 (127.60 to 128.60): VU039103.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039103.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039103.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039103.D (-1049) (-)

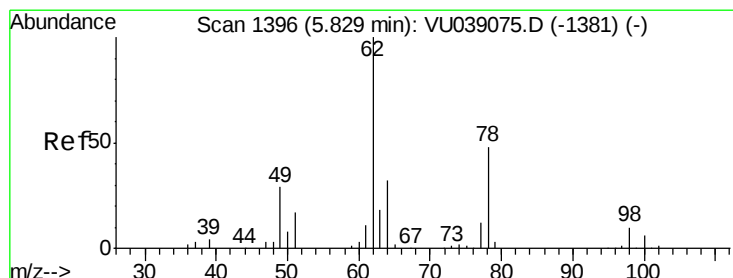
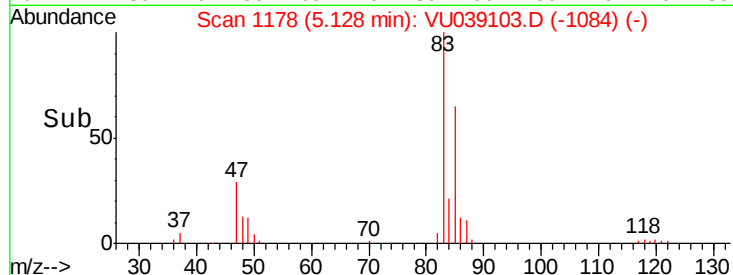
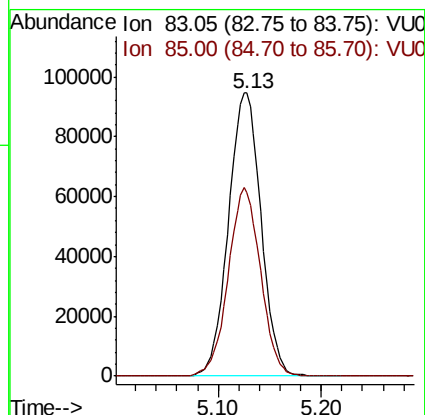
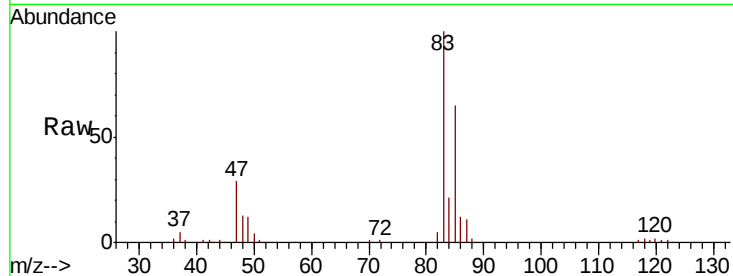




#25
Chloroform
Concen: 4.815 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

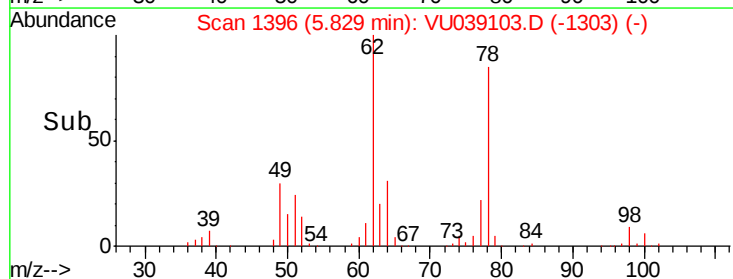
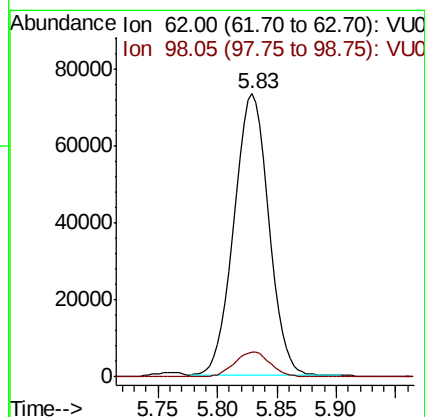
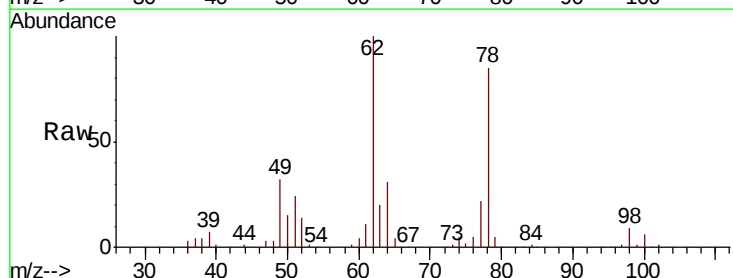
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

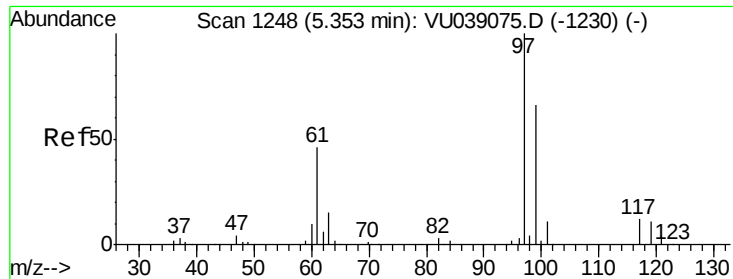
Tot Ion: 83 Resp: 208299
Ion Ratio Lower Upper
83 100
85 64.9 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.847 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion: 62 Resp: 149438
Ion Ratio Lower Upper
62 100
98 8.6 7.7 11.5

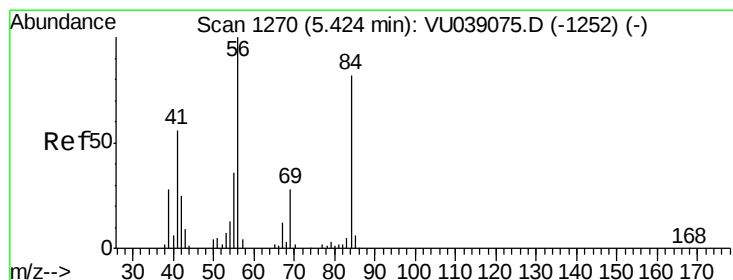
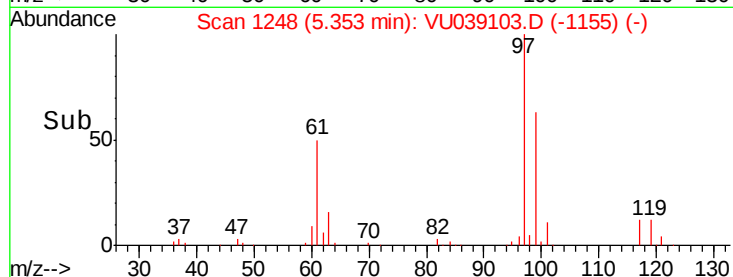
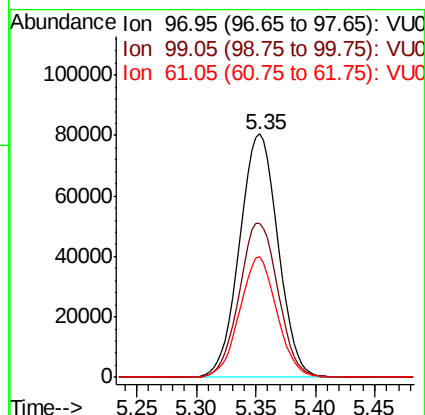
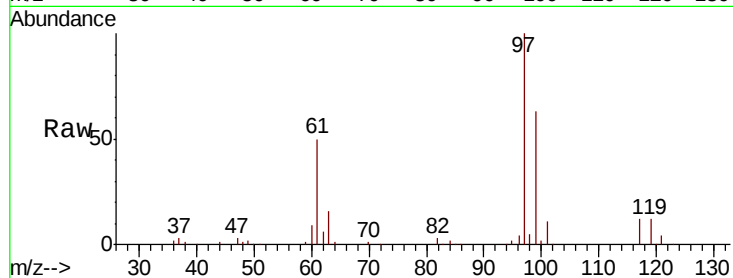




#29
 1,1,1-Trichloroethane
 Concen: 4.919 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

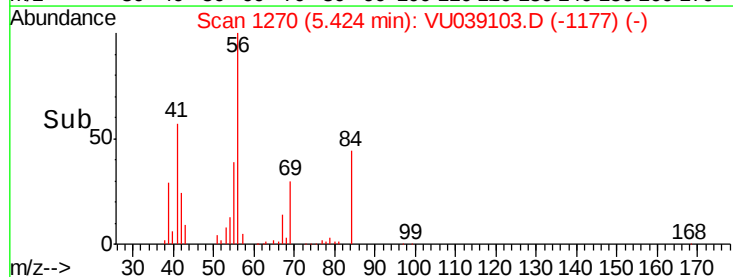
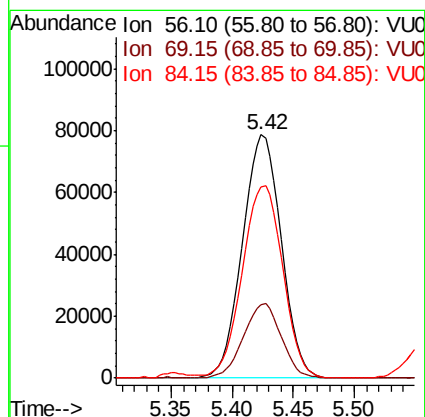
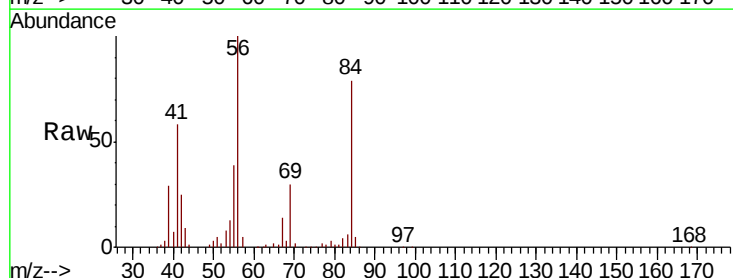
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

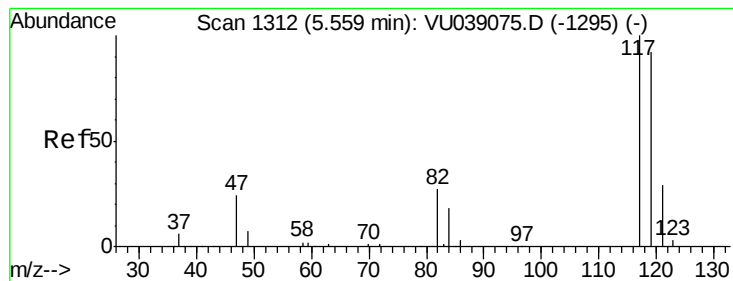
Tot Ion: 97 Resp: 180211
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.3 75.5
 61 48.1 37.8 56.6



#30
 Cyclohexane
 Concen: 5.081 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 56 Resp: 173184
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.3 34.9
 84 82.4 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.900 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

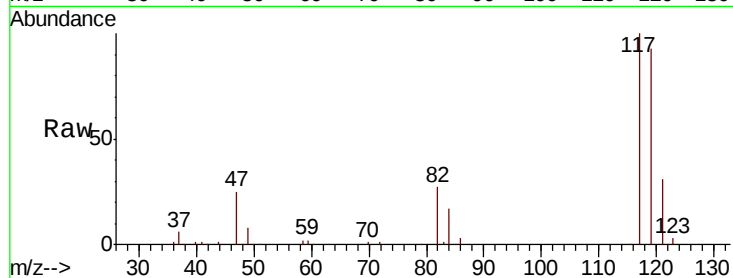
VSTD00516

Tot Ion:117 Resp: 149490

Ion Ratio Lower Upper

117 100

119 95.0 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

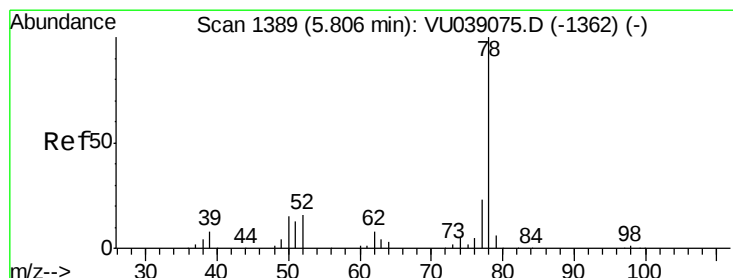
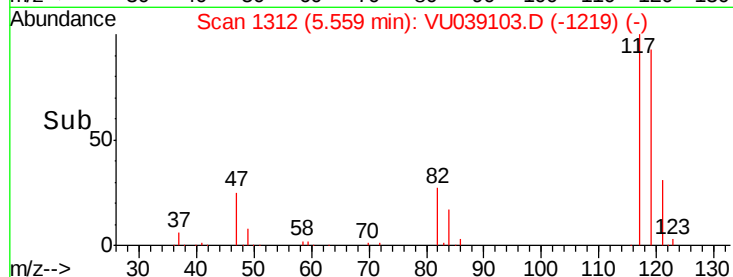
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.914 ug/L

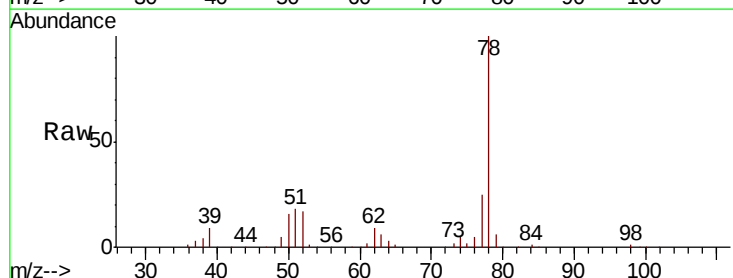
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Tgt Ion: 78 Resp: 453290



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

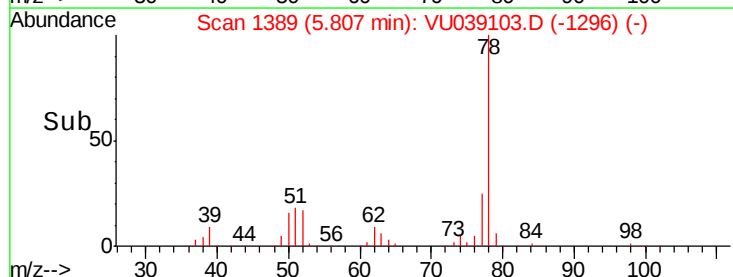
100000

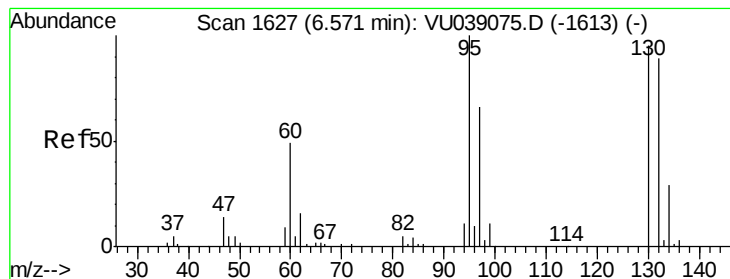
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.973 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tot Ion: 95 Resp: 110946

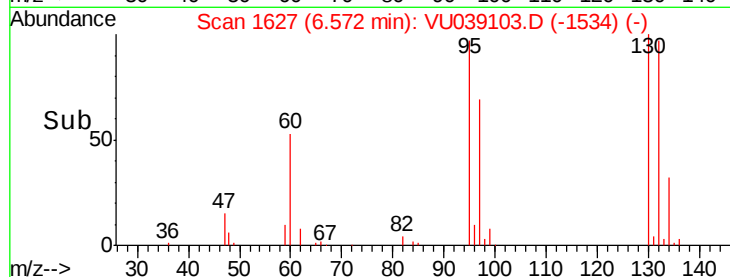
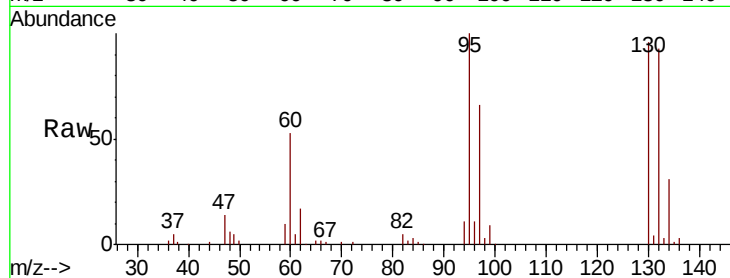
Ion Ratio Lower Upper

95 100

97 66.0 45.1 83.7

132 93.3 65.1 120.9

130 96.3 68.6 127.4



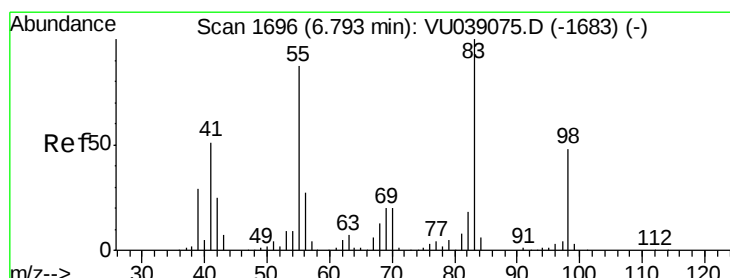
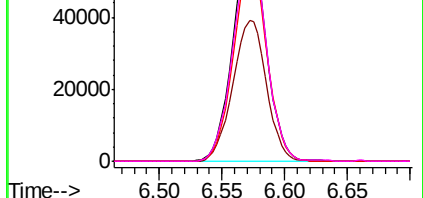
Abundance Ion 95.00 (94.70 to 95.70): VU039103.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU039103.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU039103.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU039103.D (-1534) (-)

Time-->



#35

Methylcyclohexane

Concen: 5.189 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

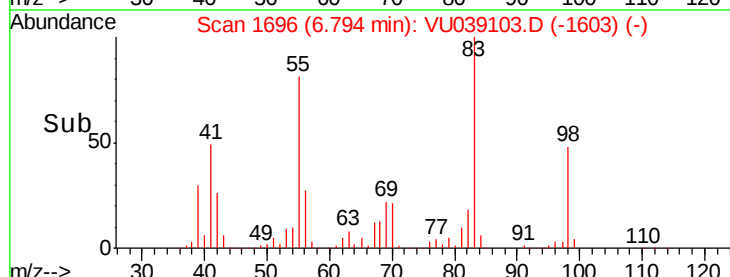
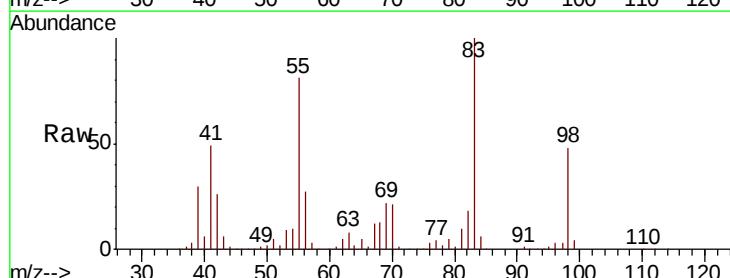
Tgt Ion: 83 Resp: 171785

Ion Ratio Lower Upper

83 100

55 82.4 65.5 98.3

98 47.2 36.5 54.7

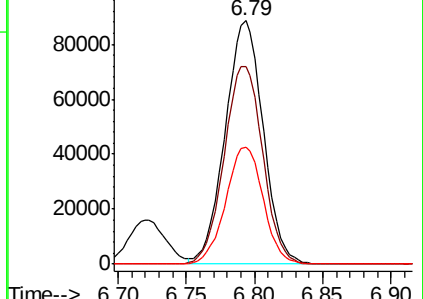


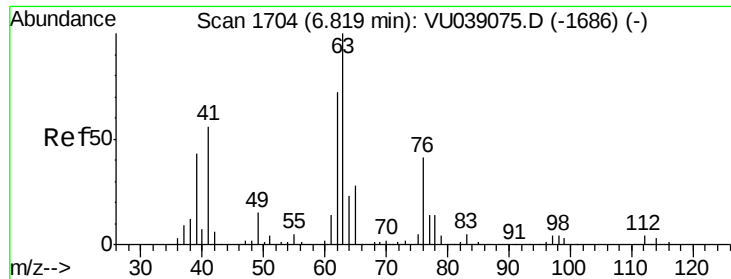
Abundance Ion 83.15 (82.85 to 83.85): VU039103.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU039103.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU039103.D (-1603) (-)

Time-->

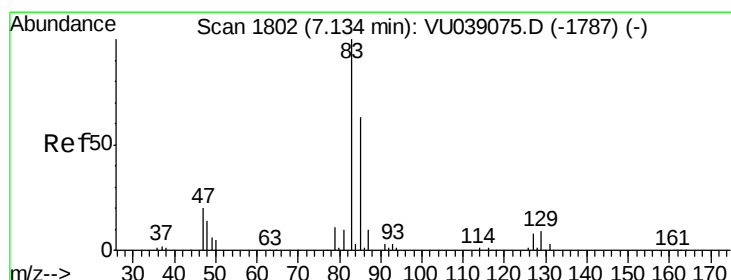
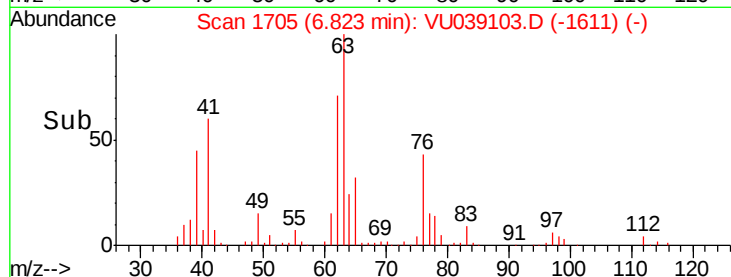
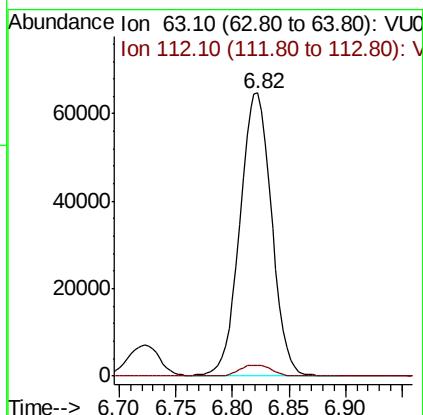
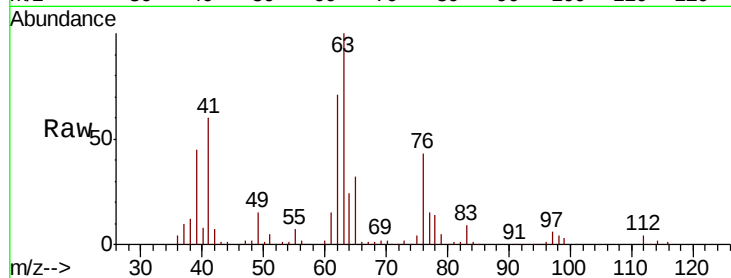




#37
 1,2-Dichloropropane
 Concen: 5.063 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

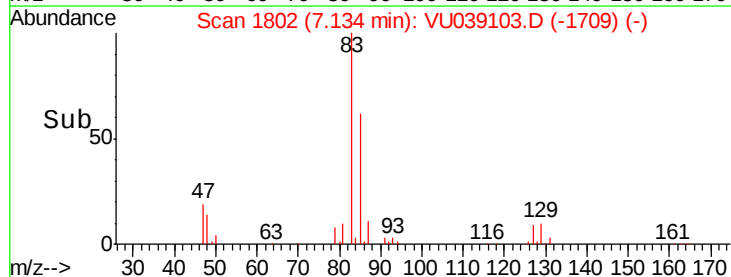
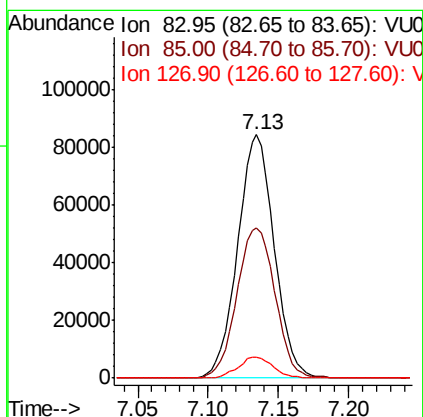
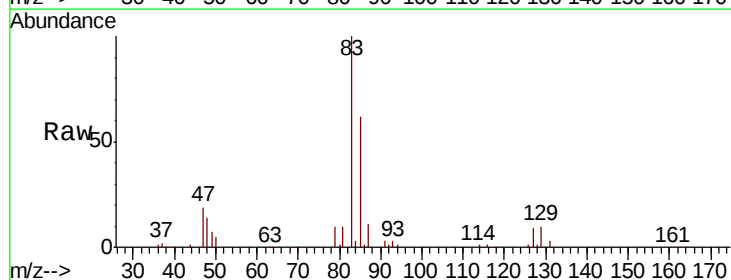
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

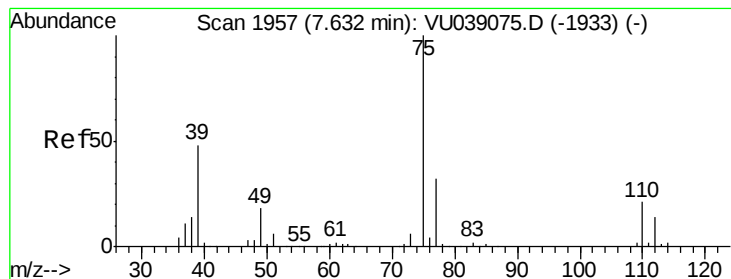
Tot Ion: 63 Resp: 126506
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.918 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 83 Resp: 153218
 Ion Ratio Lower Upper
 83 100
 85 61.7 44.9 83.3
 127 8.7 6.3 9.5



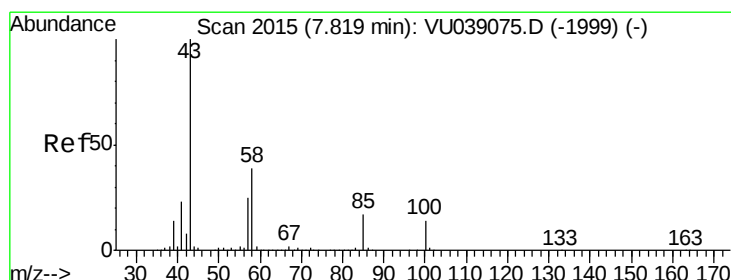
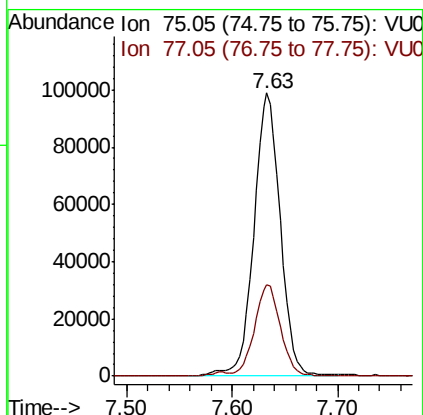
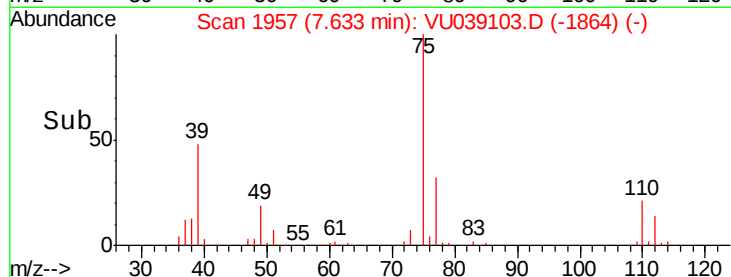
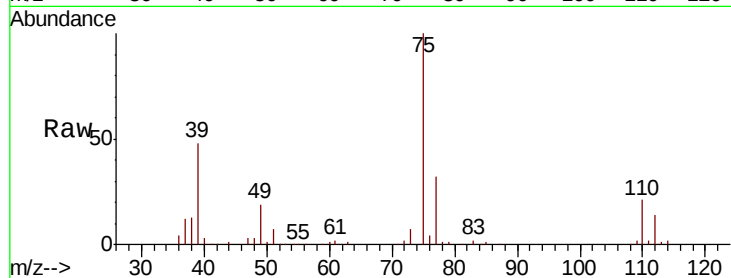


#39

cis-1,3-Dichloropropene
 Concen: 4.983 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00516

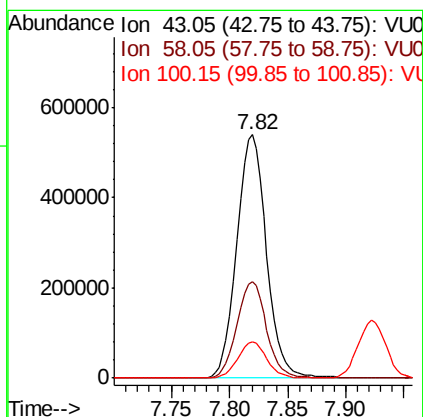
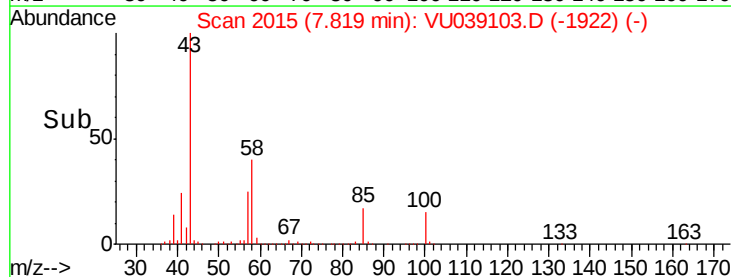
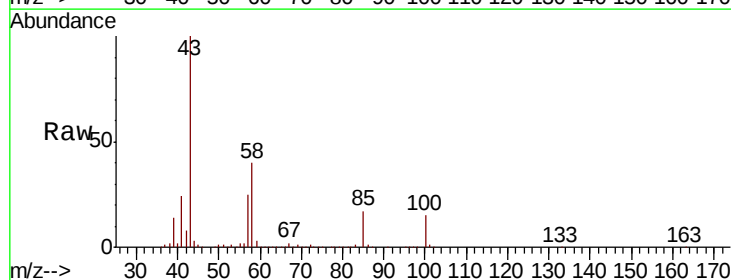
Tot Ion: 75 Resp: 172575
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.0

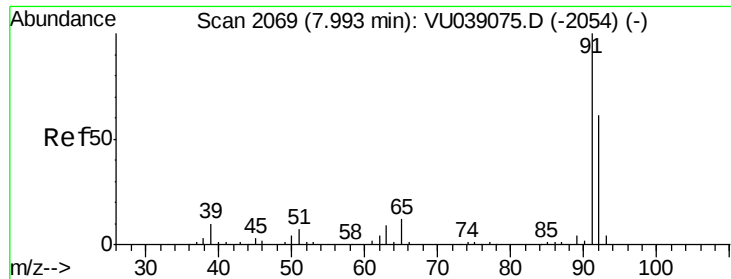


#40

4-Methyl-2-pentanone
 Concen: 51.271 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 43 Resp: 956246
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.3 46.9
 100 14.6 11.6 17.4





#42

Toluene

Concen: 5.133 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

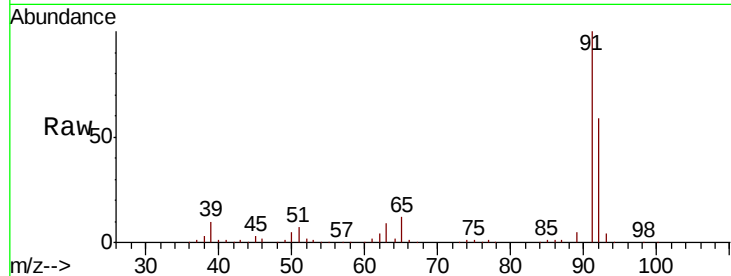
VSTD00516

Tot Ion: 91 Resp: 469942

Ion Ratio Lower Upper

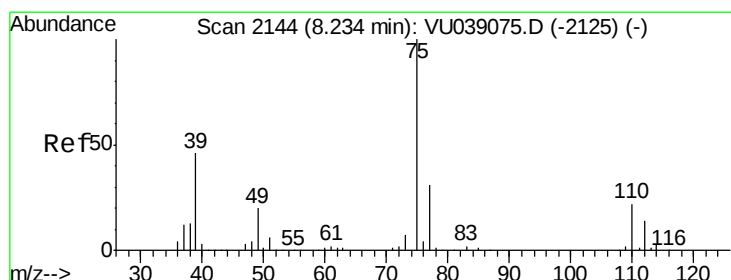
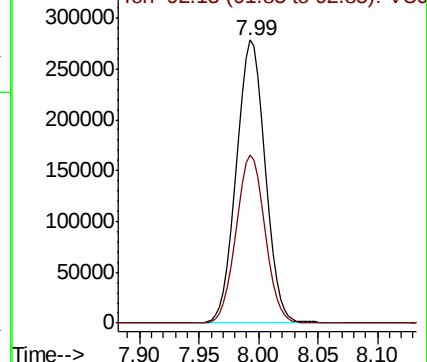
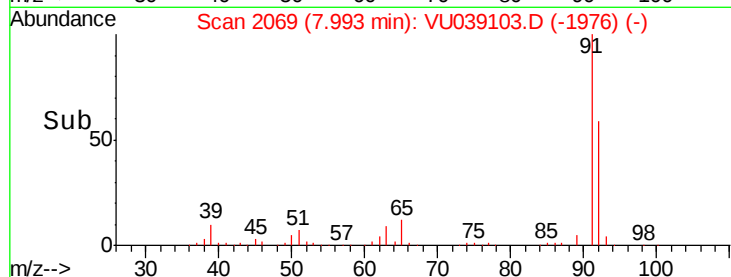
91 100

92 59.3 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039103.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU039103.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039103.D

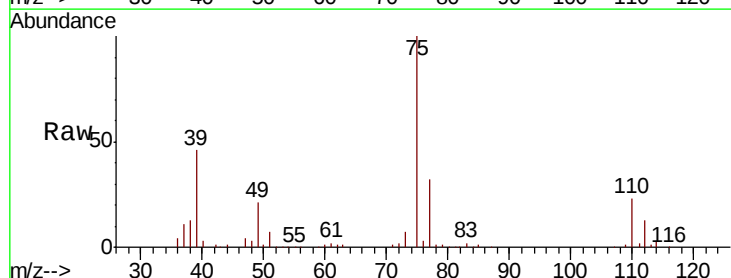
Acq: 25 Jun 2020 09:31

Tgt Ion: 75 Resp: 162035

Ion Ratio Lower Upper

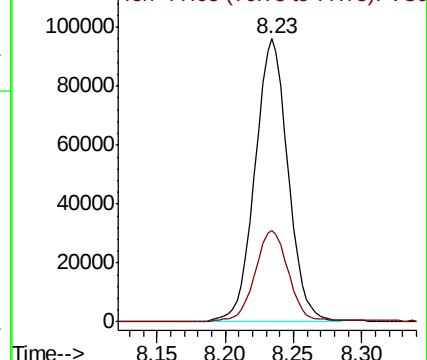
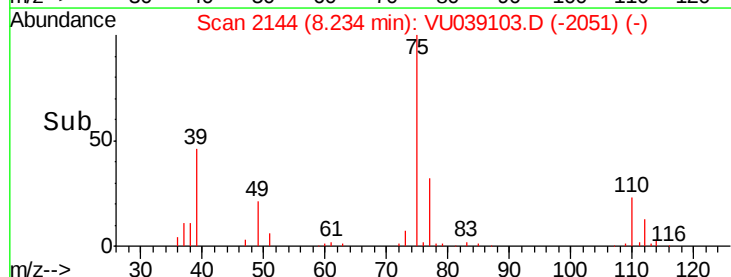
75 100

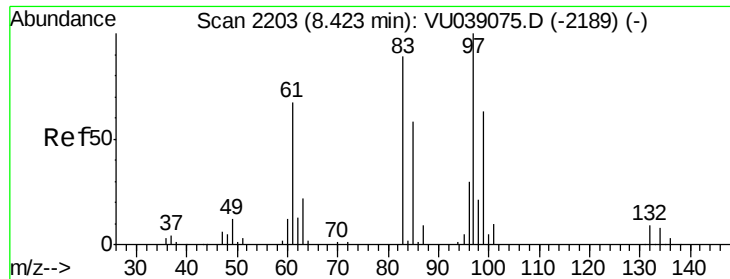
77 32.4 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039103.D (-2051) (-)

Ion 77.05 (76.75 to 77.75): VU039103.D (-2051) (-)

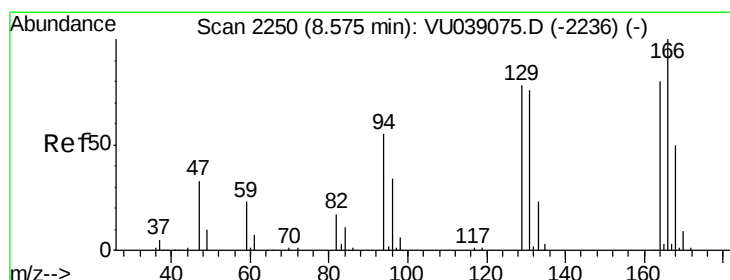
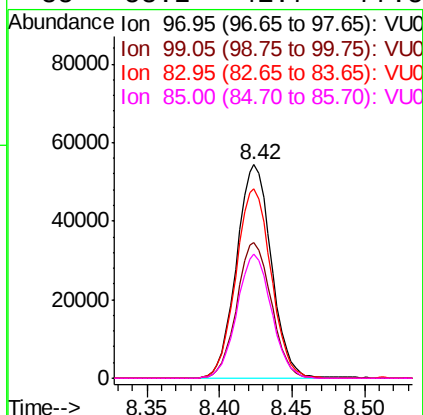
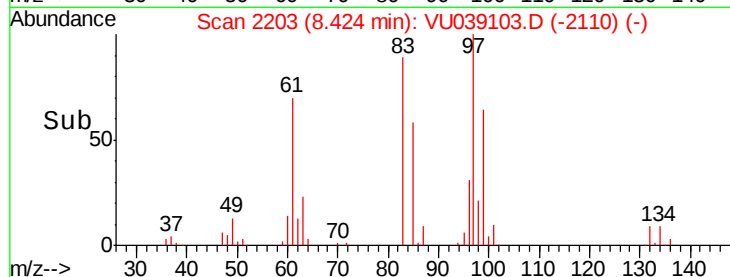
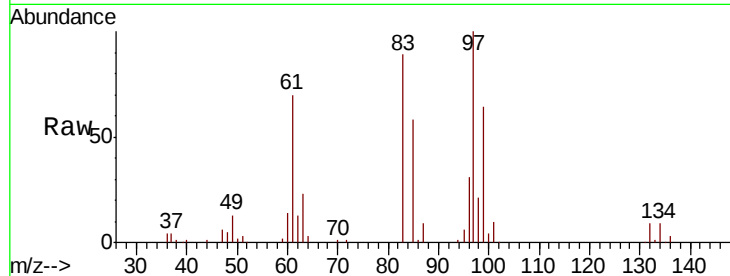




#45
1,1,2-Trichloroethane
Concen: 4.897 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

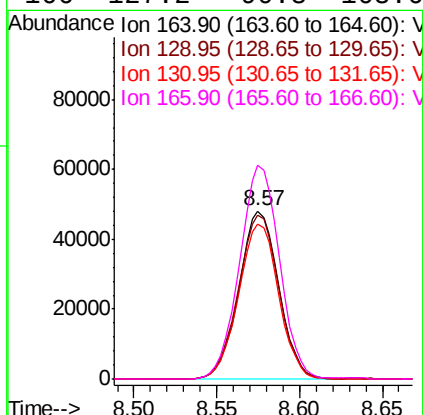
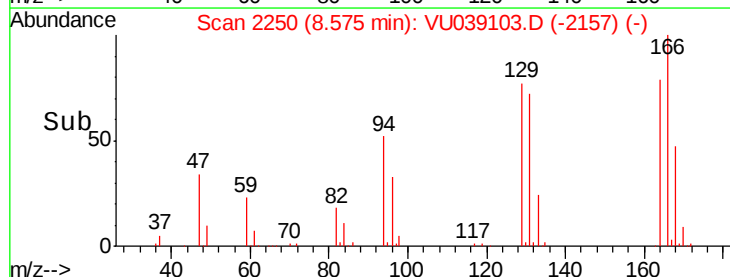
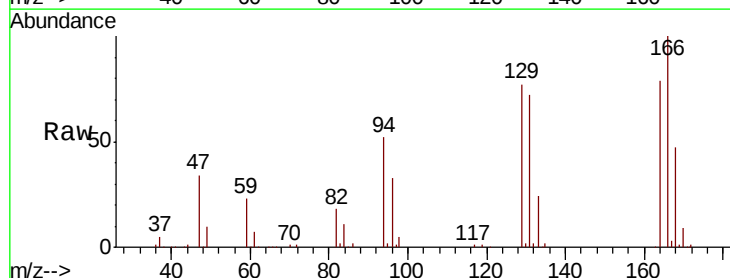
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

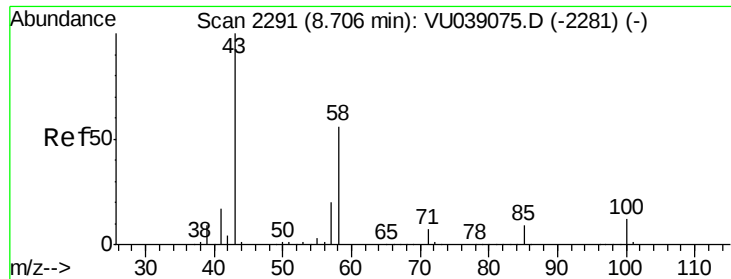
Tot Ion:	97	Resp:	90954
Ion	Ratio	Lower	Upper
97	100		
99	63.7	45.4	84.4
83	88.9	64.4	119.6
85	58.2	41.7	77.5



#47
Tetrachloroethene
Concen: 4.986 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion:	164	Resp:	80177
Ion	Ratio	Lower	Upper
164	100		
129	97.4	71.3	132.5
131	92.2	68.3	126.8
166	127.2	90.8	168.6

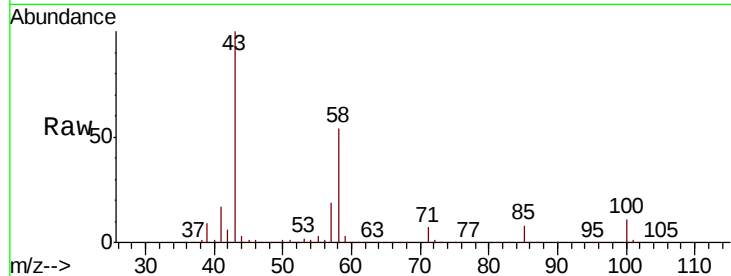




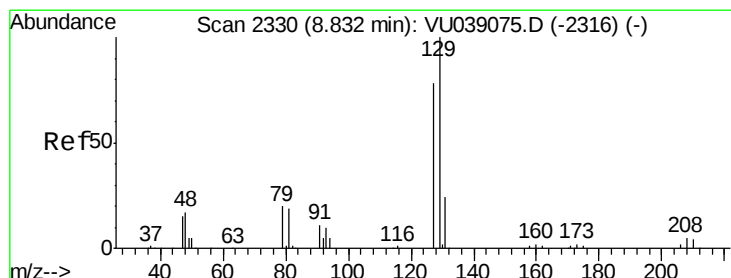
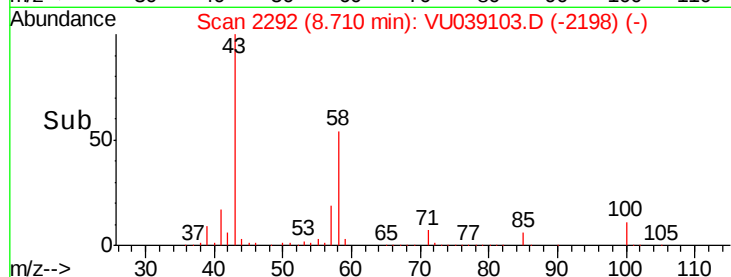
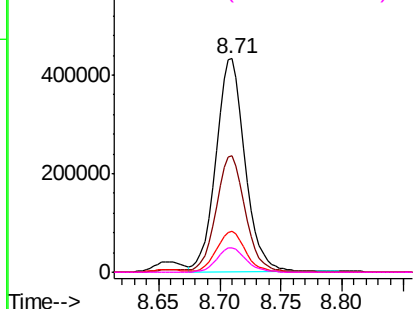
#48
2-Hexanone
Concen: 53.059 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion: 43 Resp: 725464
Ion Ratio Lower Upper
43 100
58 55.3 44.0 66.0
57 19.1 15.0 22.6
100 11.4 9.4 14.2

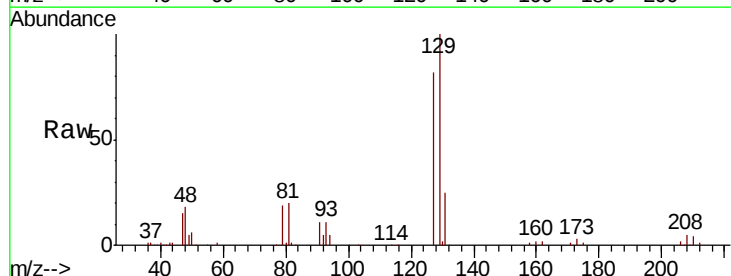


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

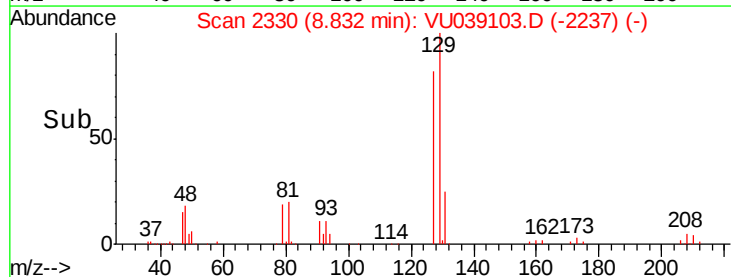
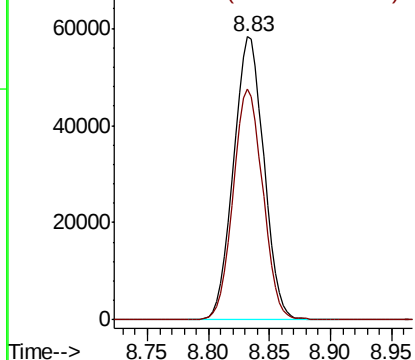


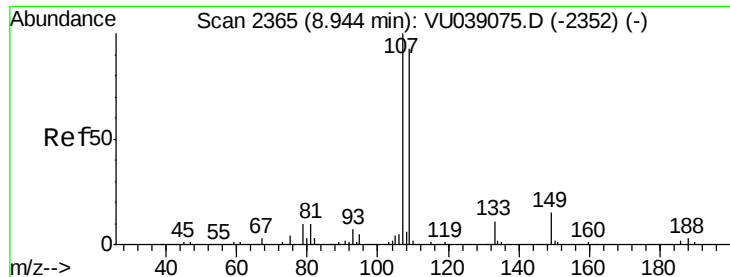
#49
Dibromochloromethane
Concen: 4.987 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion: 129 Resp: 100717
Ion Ratio Lower Upper
129 100
127 81.6 55.4 103.0



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

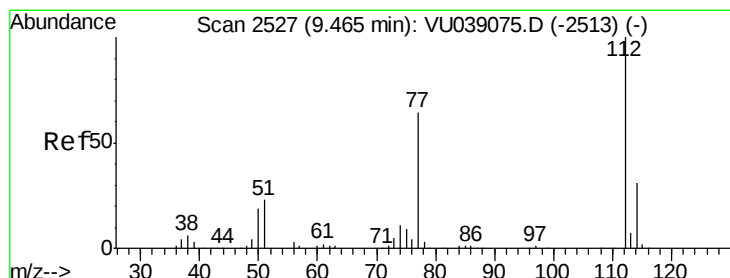
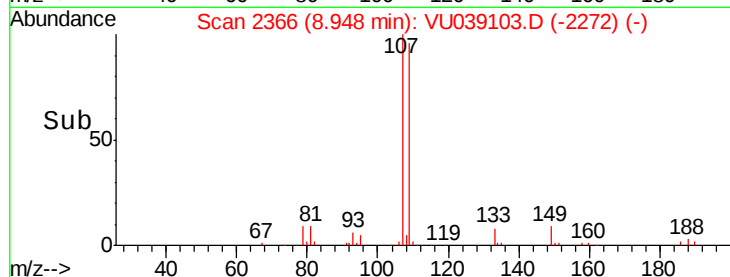
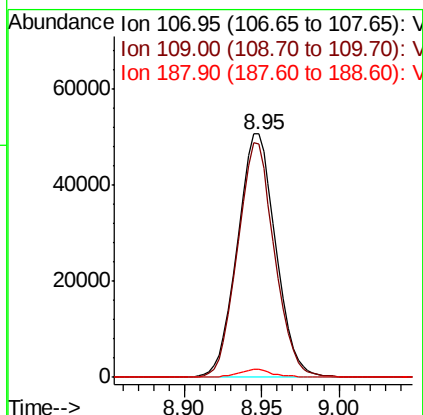
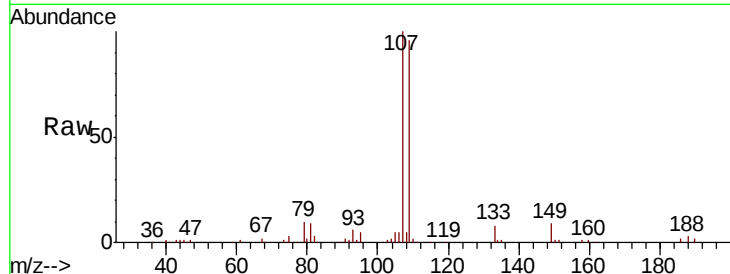




#50
1,2-Dibromoethane
Concen: 4.975 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

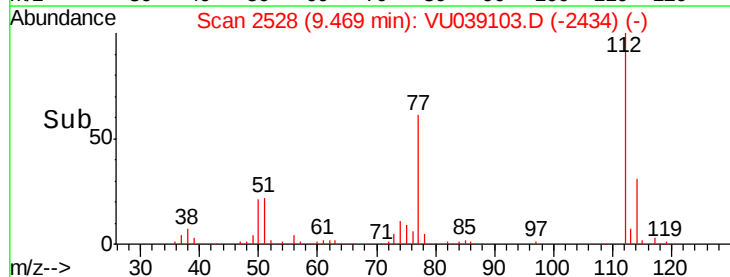
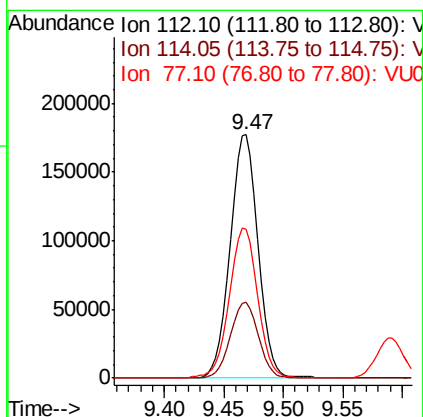
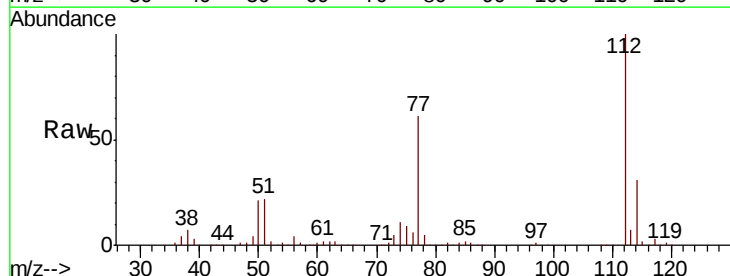
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

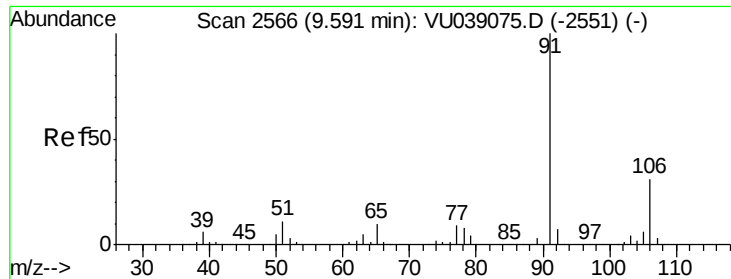
Tot Ion:107 Resp: 87356
Ion Ratio Lower Upper
107 100
109 95.7 64.8 120.4
188 3.4 2.4 3.6



#51
Chlorobenzene
Concen: 5.008 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion:112 Resp: 288602
Ion Ratio Lower Upper
112 100
114 31.0 22.0 41.0
77 61.3 50.2 75.4

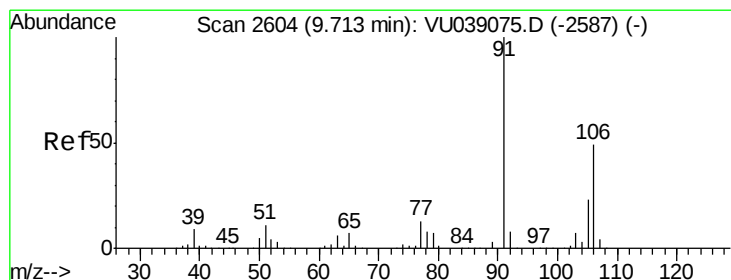
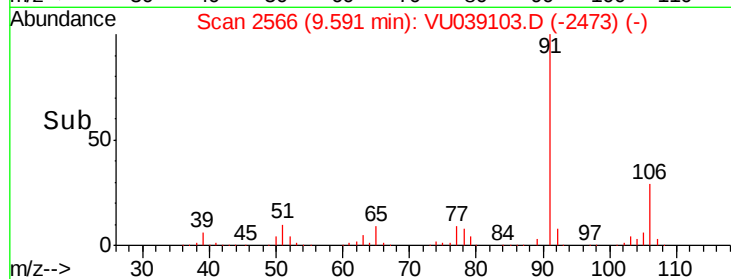
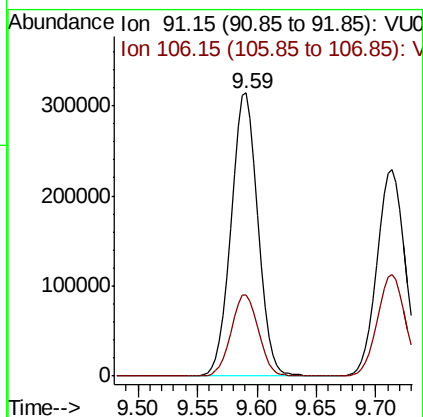
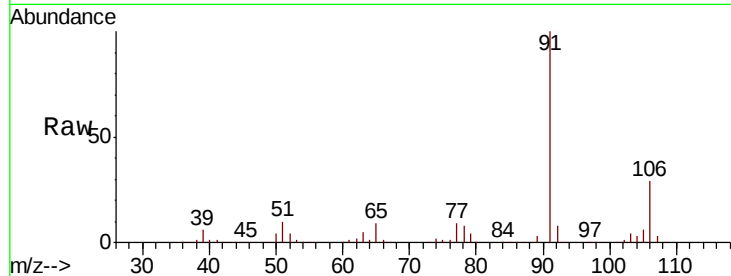




#52
Ethylbenzene
Concen: 5.097 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

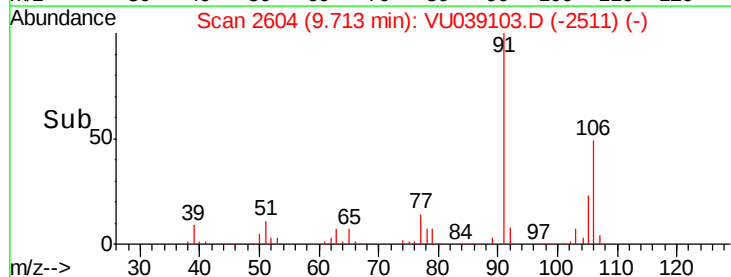
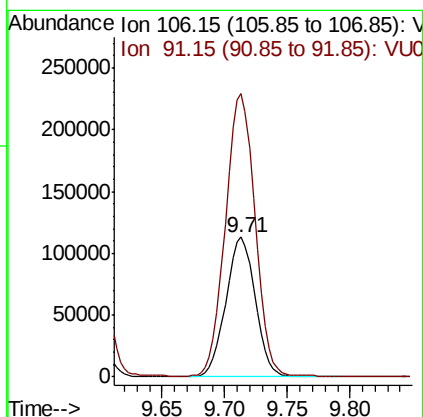
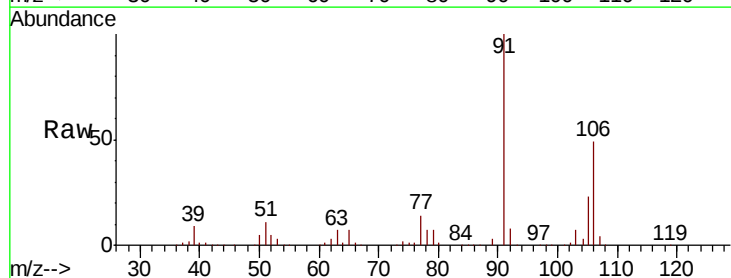
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

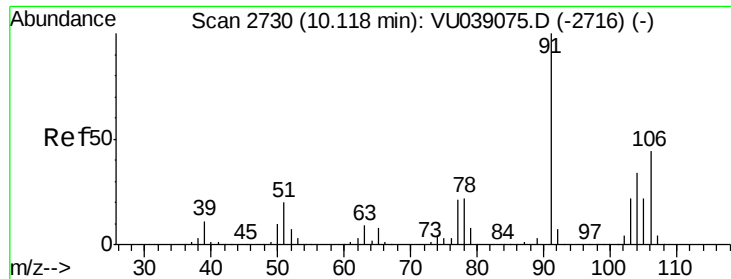
Tot Ion: 91 Resp: 490527
Ion Ratio Lower Upper
91 100
106 28.8 21.3 39.6



#53
m,p-Xylene
Concen: 5.182 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion: 106 Resp: 183359
Ion Ratio Lower Upper
106 100
91 202.4 143.6 266.8

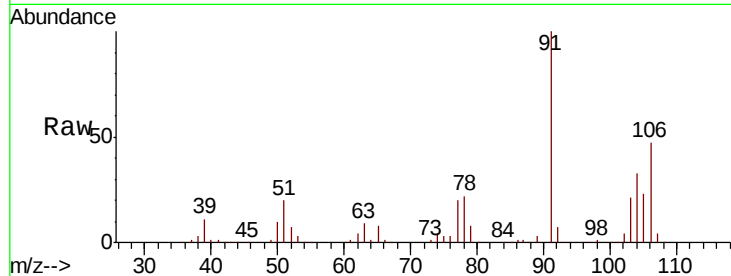




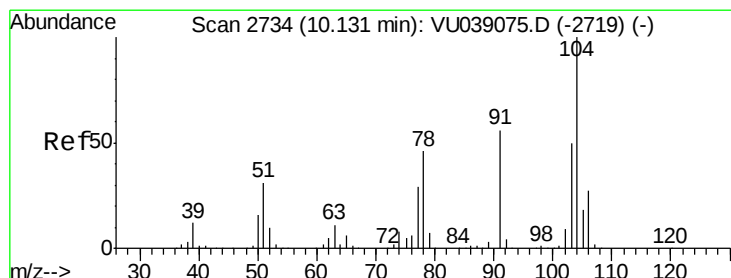
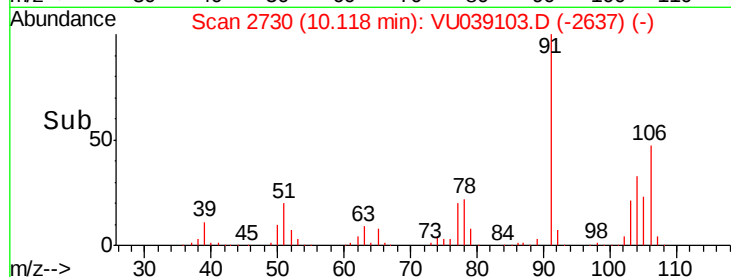
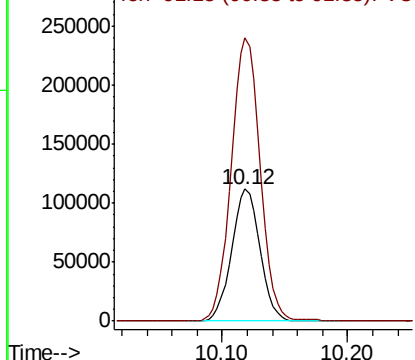
#54
o-Xylene
Concen: 5.138 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:106 Resp: 174654
Ion Ratio Lower Upper
106 100
91 214.2 153.5 285.1

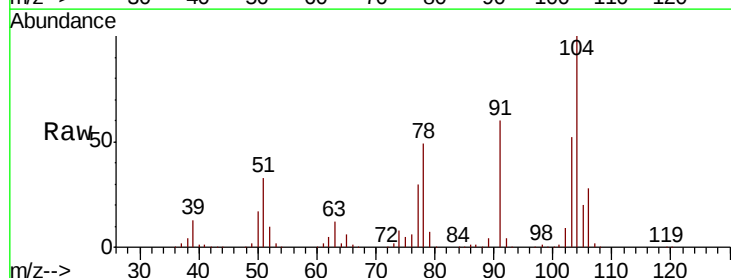


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

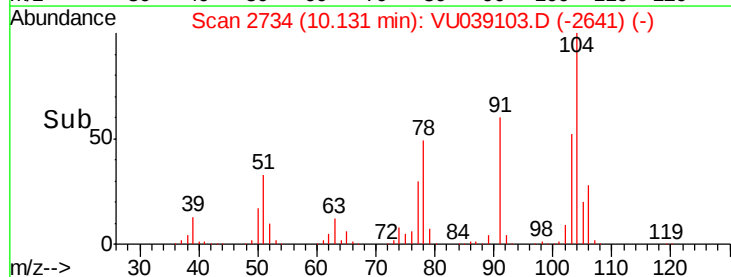
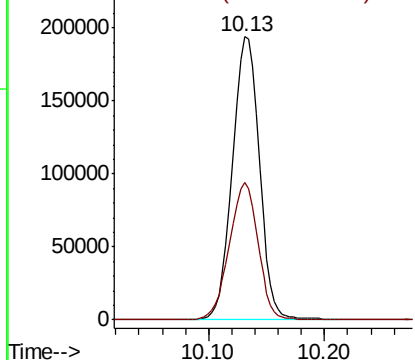


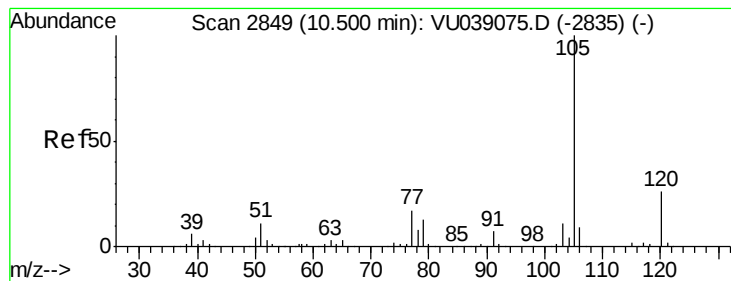
#55
Styrene
Concen: 5.224 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039103.D
Acq: 25 Jun 2020 09:31

Tgt Ion:104 Resp: 311891
Ion Ratio Lower Upper
104 100
78 48.6 33.5 62.1



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





#56

Isopropylbenzene

Concen: 5.183 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

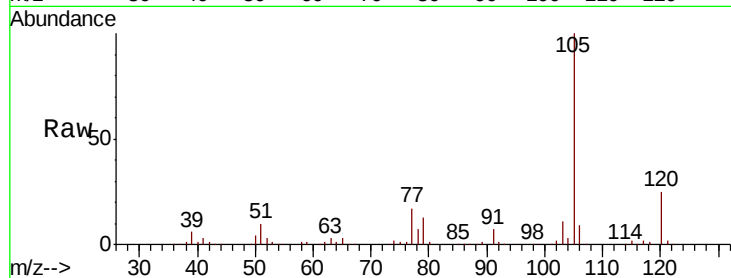
Tot Ion:105 Resp: 461609

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9

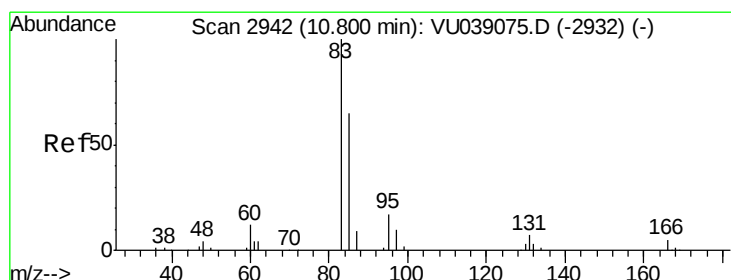
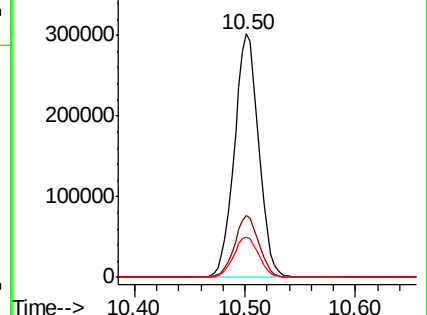
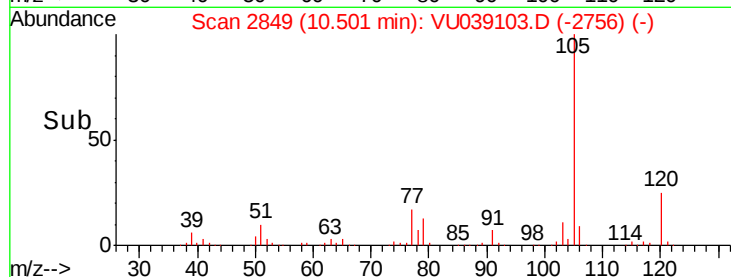
77 17.2 13.3 19.9



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: 4.873 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

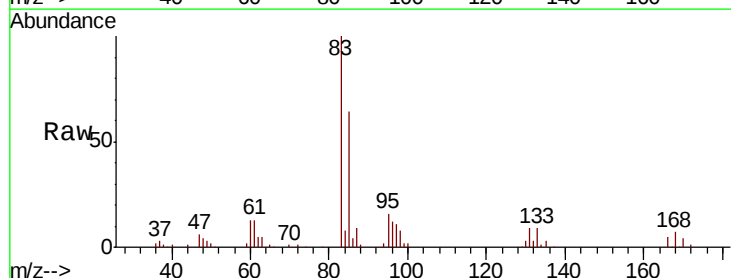
Tgt Ion: 83 Resp: 121007

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

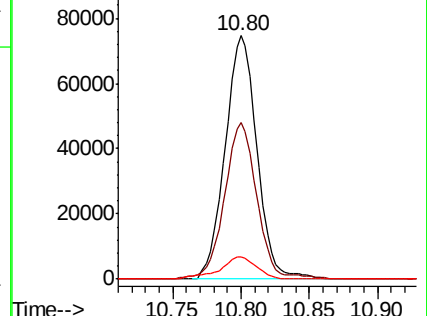
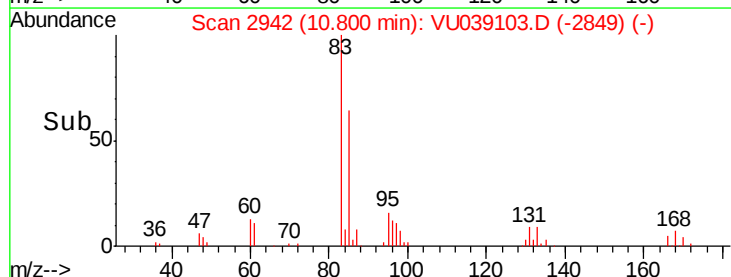
131 9.2 6.9 10.3

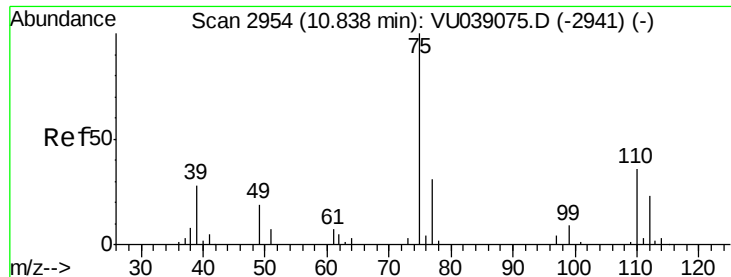


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

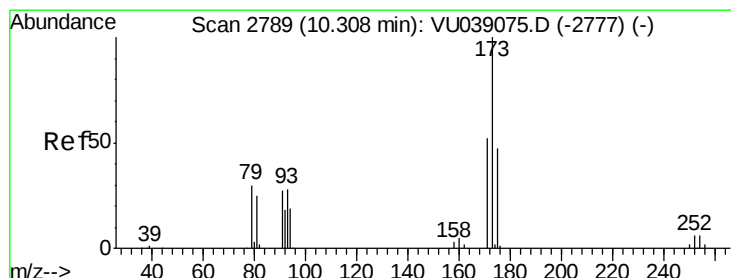
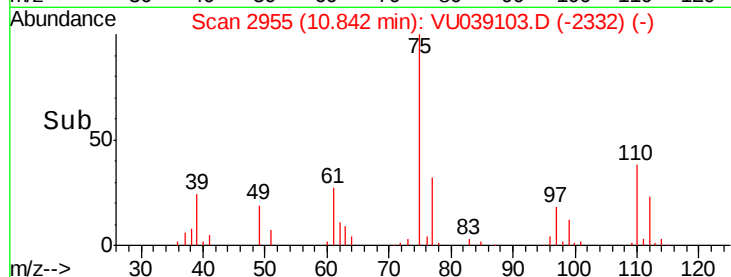
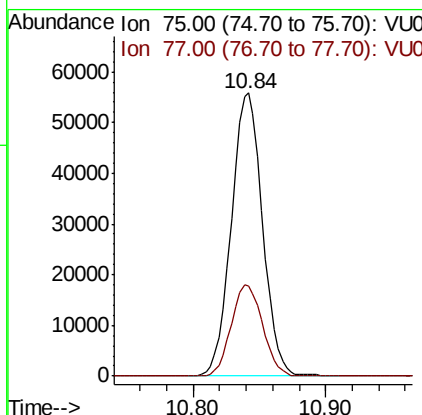
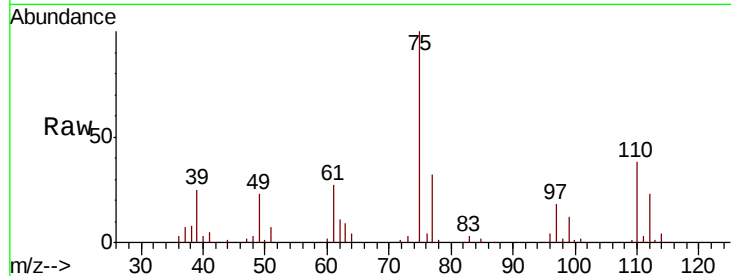




#59
 1,2,3-Trichloropropane
 Concen: 4.830 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

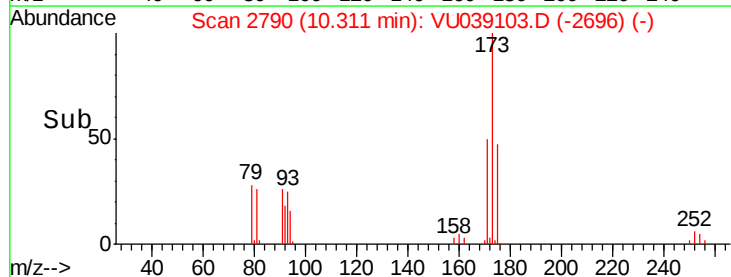
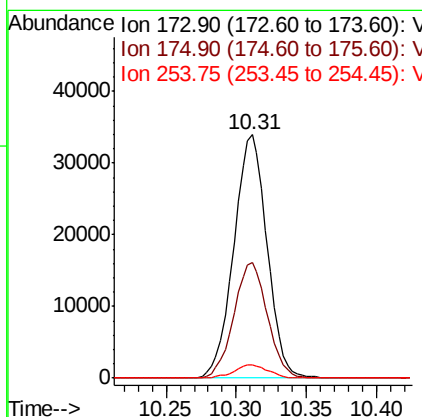
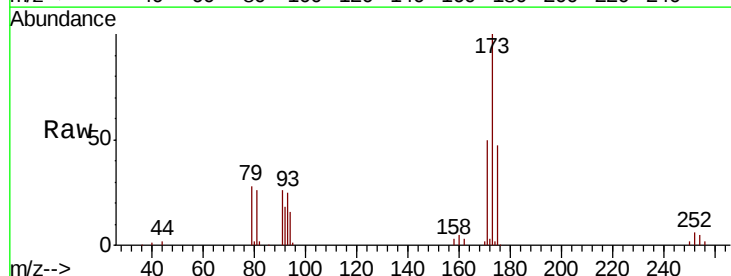
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

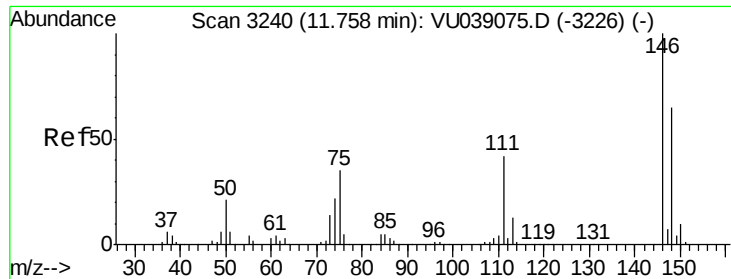
Tot Ion: 75 Resp: 90994
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2



#61
 Bromoform
 Concen: 4.739 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 173 Resp: 56144
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.3 58.9
 254 5.4 4.4 6.6

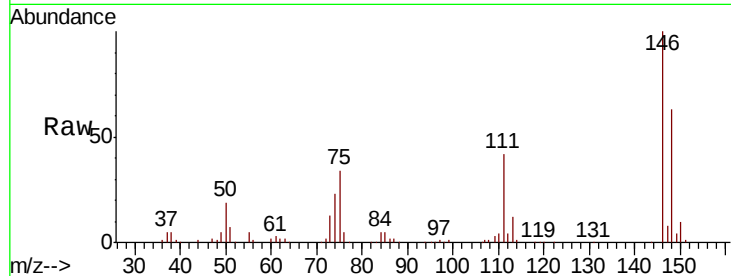




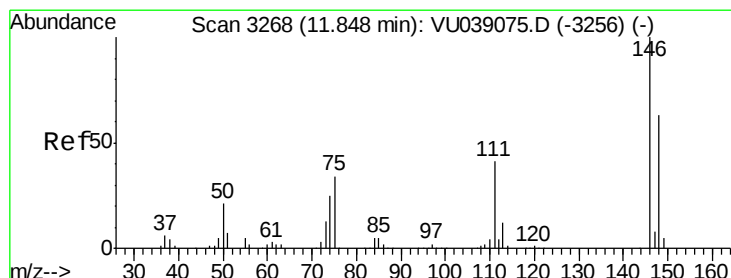
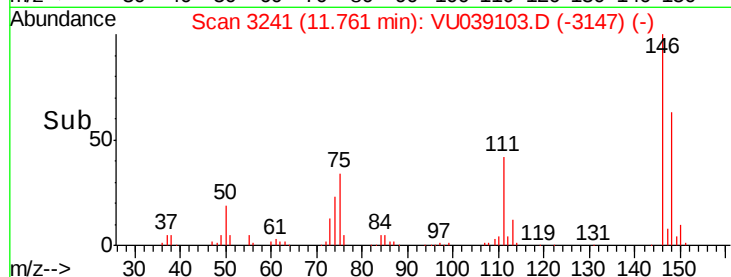
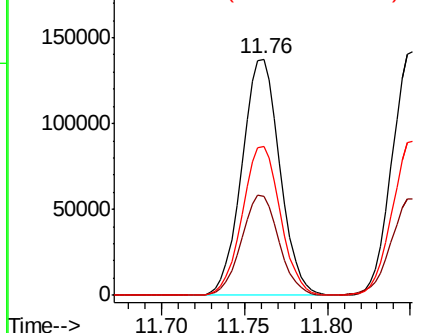
#62
 1,3-Dichlorobenzene
 Concen: 5.057 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:146 Resp: 218102
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.9
 148 63.2 44.5 82.7

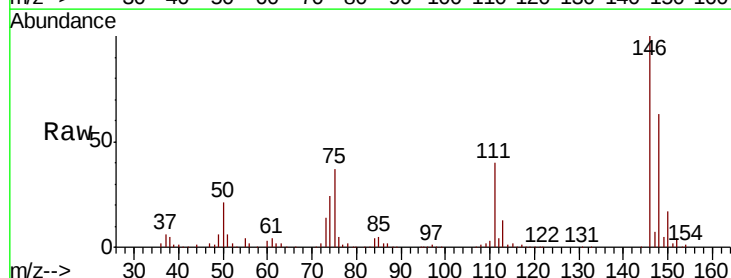


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

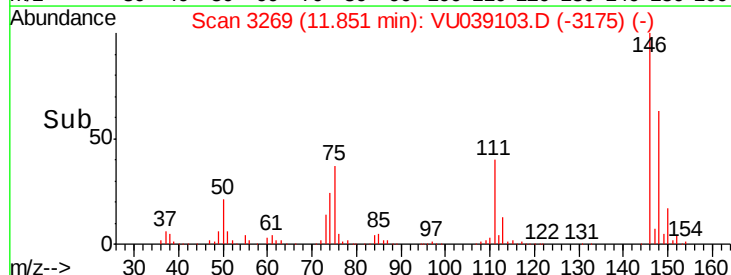
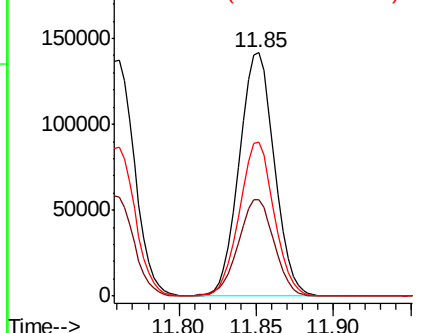


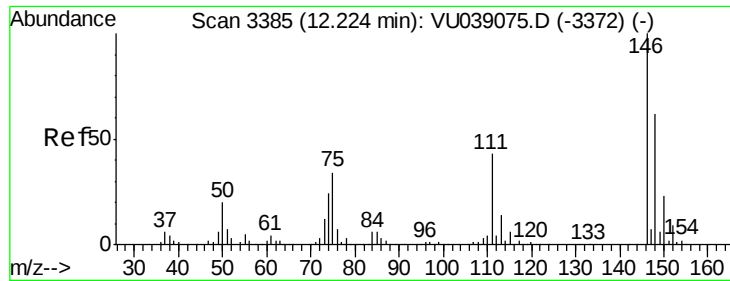
#63
 1,4-Dichlorobenzene
 Concen: 5.035 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion:146 Resp: 223621
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.4 52.8
 148 63.4 43.4 80.6



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

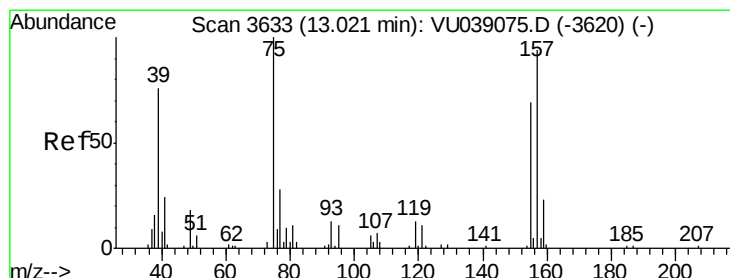
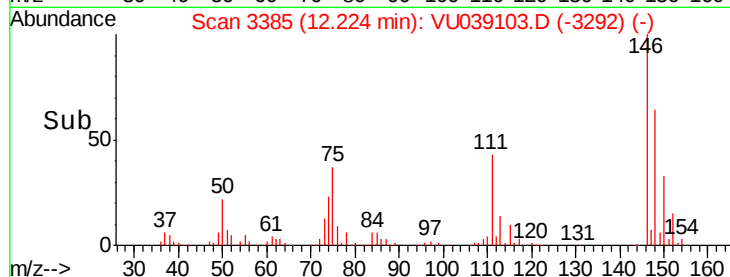
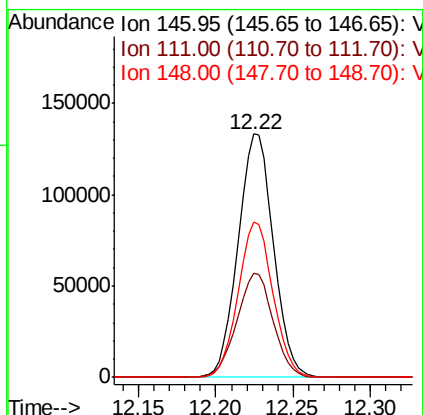
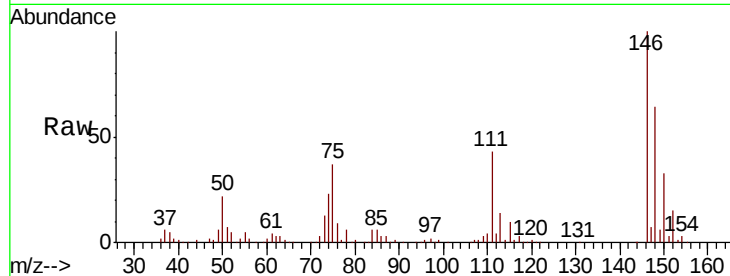




#65
 1,2-Dichlorobenzene
 Concen: 4.896 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

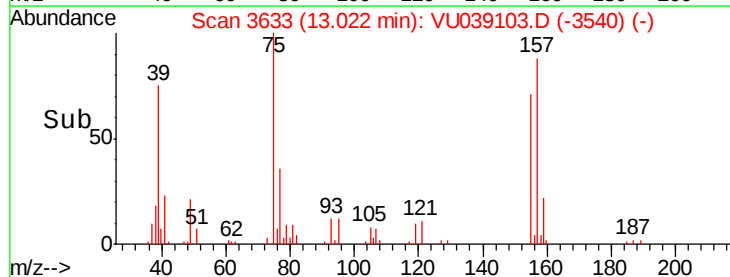
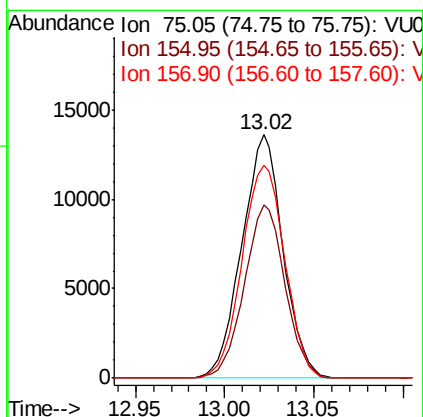
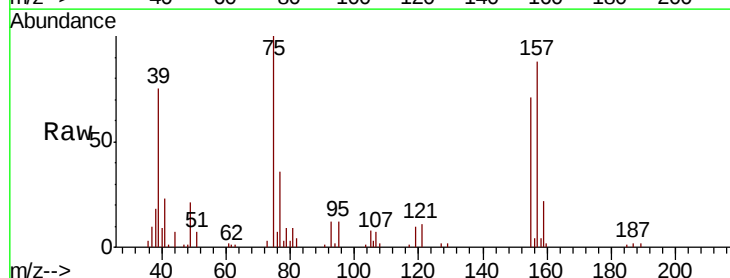
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

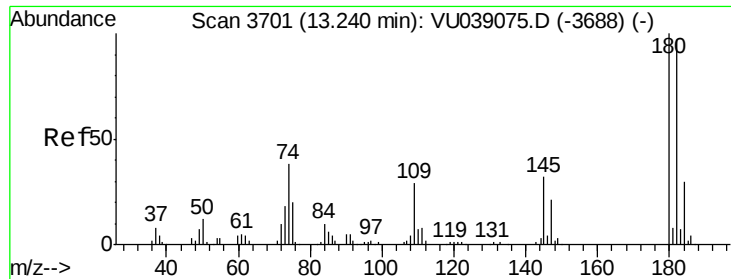
Tot Ion:146 Resp: 211697
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.7 52.1
 148 63.8 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.586 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion: 75 Resp: 21877
 Ion Ratio Lower Upper
 75 100
 155 70.9 58.6 88.0
 157 87.6 70.3 105.5

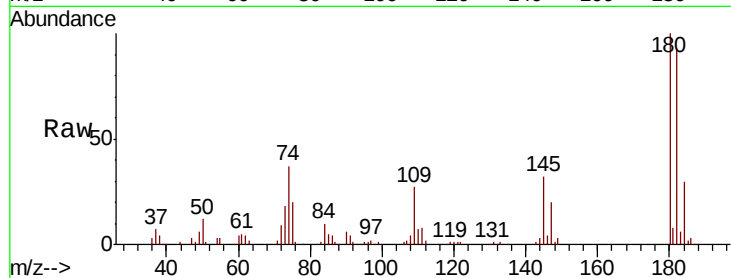




#67
 1,3,5-Trichlorobenzene
 Concen: 4.840 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00516

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.3	114.5
184	30.5	24.2	36.4
145	31.8	25.2	37.8



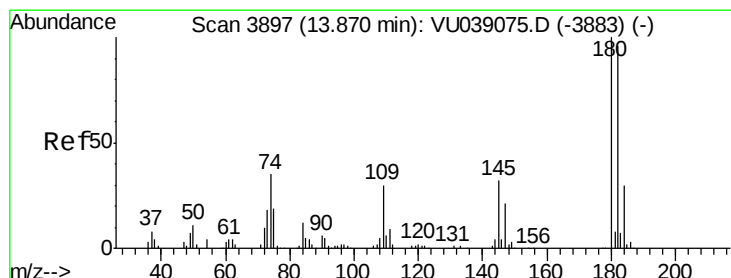
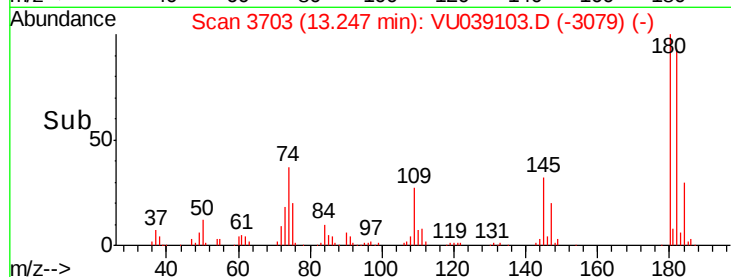
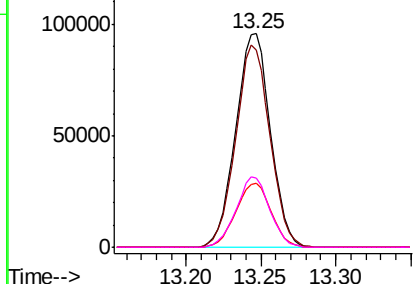
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

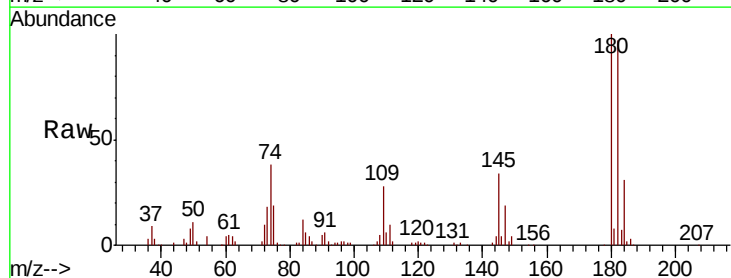
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.588 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU039103.D
 Acq: 25 Jun 2020 09:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.6
145	32.8	25.4	38.2

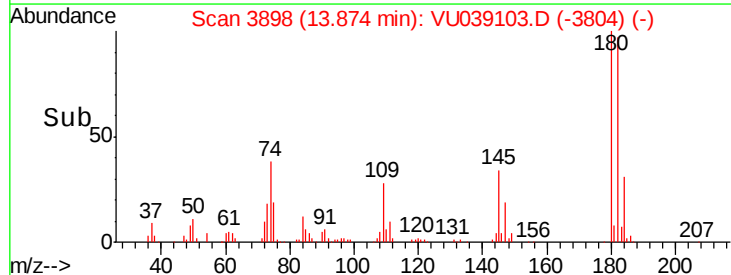
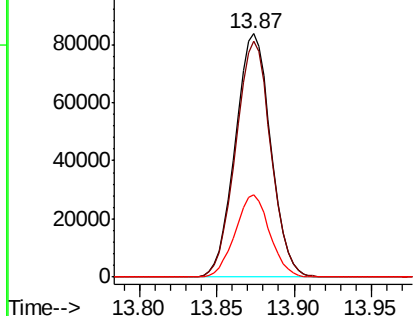


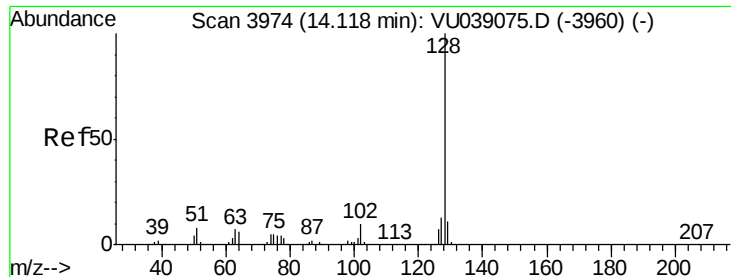
Abundance

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: 4.345 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

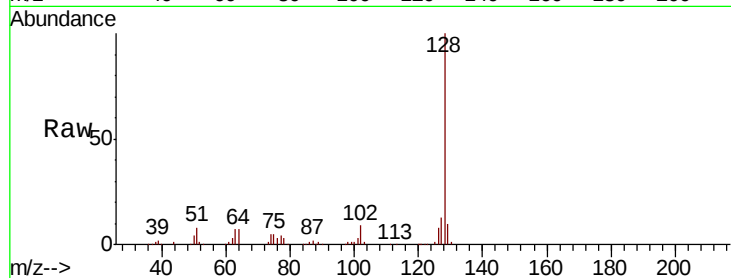
Tot Ion:128 Resp: 269500

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

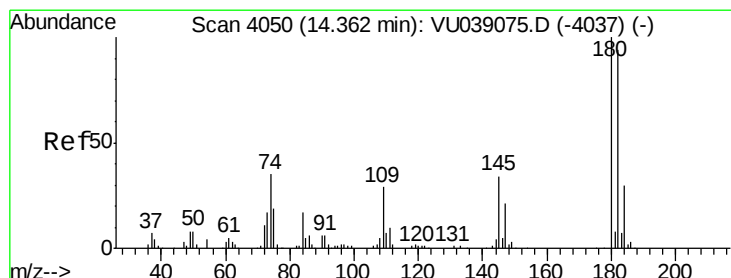
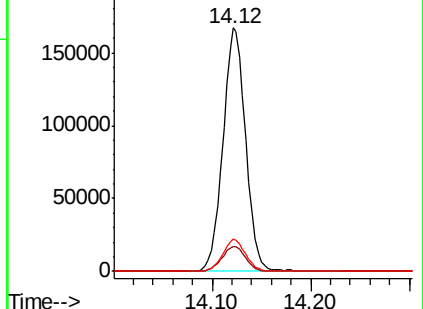
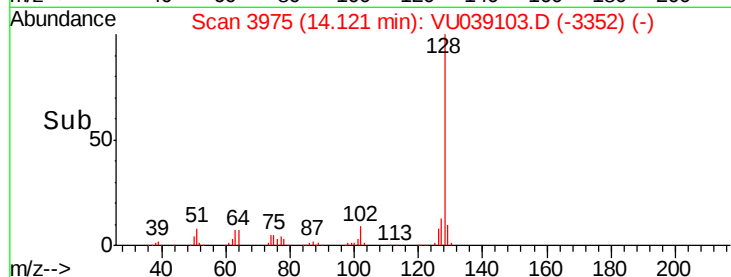
127 13.2 10.8 16.2



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: 4.682 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU039103.D

Acq: 25 Jun 2020 09:31

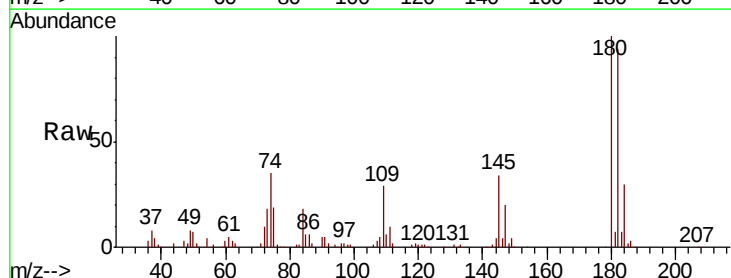
Tgt Ion:180 Resp: 131374

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 34.5 27.6 41.4



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

