

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039386.D
 Acq On : 09 Jul 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Quant Time: Jul 10 00:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 17:46:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109032	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102441	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	24970	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.92	69	27328	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	54900	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.65	46	165213	57.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.28%
24) Chloroform-d	5.08	84	62915	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	41650	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.74	84	110301	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	42288	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	87962	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	17401	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	124720	54.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.90%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44578	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	40689	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	36910	5.585	ug/L 94
3) Chloromethane	1.53	50	40244	5.026	ug/L 99
5) Vinyl chloride	1.61	62	45568	5.126	ug/L 97
6) Bromomethane	1.87	94	20440	5.339	ug/L 95
8) Chloroethane	1.94	64	29793	4.638	ug/L 97
9) Trichlorofluoromethane	2.15	101	82079	5.317	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	35976	5.679	ug/L 97
12) 1,1-Dichloroethene	2.59	96	32604	5.028	ug/L 89
13) Acetone	2.66	43	79588	50.995	ug/L 99
14) Carbon disulfide	2.81	76	109993	4.815	ug/L 100
15) Methyl Acetate	2.97	43	21501	5.216	ug/L 91
16) Methylene chloride	3.06	84	39173	4.803	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	99918	4.890	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	35277	4.914	ug/L 92
19) 1,1-Dichloroethane	3.89	63	69856	4.974	ug/L 97
21) 2-Butanone	4.73	43	140487	50.432	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	39264	4.878	ug/L 100

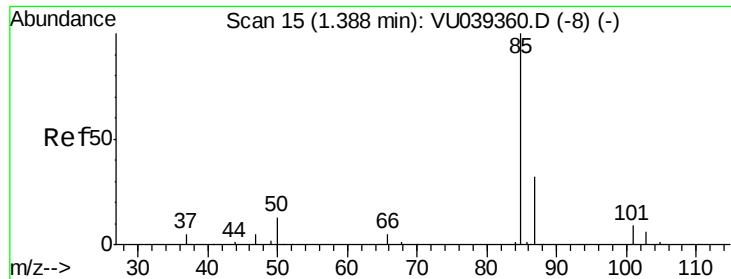
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039386.D
 Acq On : 09 Jul 2020 10:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD00511

Quant Time: Jul 10 00:16:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 17:46:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	18638	5.097	ug/L	92
25) Chloroform	5.11	83	72776	5.131	ug/L	92
27) 1,2-Dichloroethane	5.81	62	51568	5.026	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	61266	5.078	ug/L	96
30) Cyclohexane	5.40	56	64585	5.084	ug/L	99
31) Carbon tetrachloride	5.54	117	51223	4.976	ug/L	99
33) Benzene	5.79	78	151150	4.935	ug/L	100
34) Trichloroethene	6.56	95	39329	4.967	ug/L	98
35) Methylcyclohexane	6.77	83	66716	5.259	ug/L	98
37) 1,2-Dichloropropane	6.80	63	41757	5.001	ug/L	100
38) Bromodichloromethane	7.11	83	52812	4.953	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	62238	4.931	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	339300	48.715	ug/L	99
42) Toluene	7.98	91	161218	4.916	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	54715	4.886	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	30266	5.047	ug/L	97
47) Tetrachloroethene	8.56	164	27637	5.018	ug/L	96
48) 2-Hexanone	8.69	43	256987	50.041	ug/L	98
49) Dibromochloromethane	8.82	129	35533	4.892	ug/L	96
50) 1,2-Dibromoethane	8.93	107	29596	4.858	ug/L	99
51) Chlorobenzene	9.45	112	97024	4.841	ug/L	99
52) Ethylbenzene	9.57	91	183138	5.053	ug/L	99
53) m,p-Xylene	9.70	106	68390	5.008	ug/L	99
54) o-Xylene	10.10	106	65339	4.914	ug/L	97
55) Styrene	10.11	104	113006	4.885	ug/L	99
56) Isopropylbenzene	10.48	105	177521	4.937	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	39536	4.736	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	29696	4.826	ug/L	98
61) Bromoform	10.29	173	20328	4.740	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	78313	4.911	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	79904	4.995	ug/L	95
65) 1,2-Dichlorobenzene	12.21	146	76408	4.780	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	7002	4.959	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.21	180	59291	4.969	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	51960	5.088	ug/L	97
69) Naphthalene	14.08	128	97961	4.768	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	47289	4.998	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.585 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

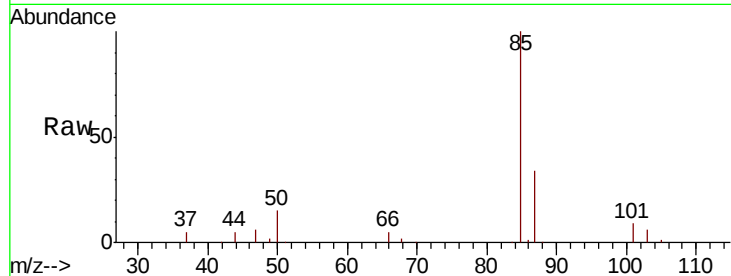
VSTD00511

Tot Ion: 85 Resp: 36910

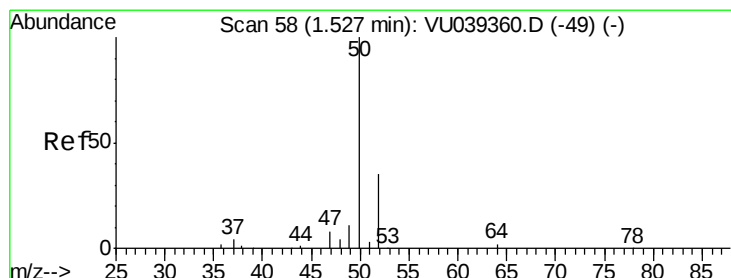
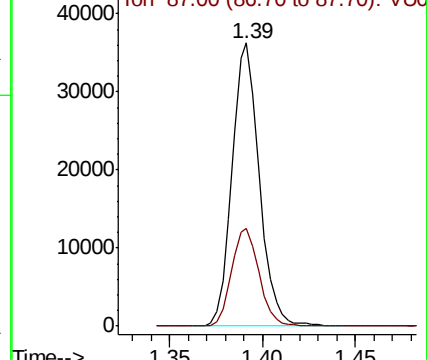
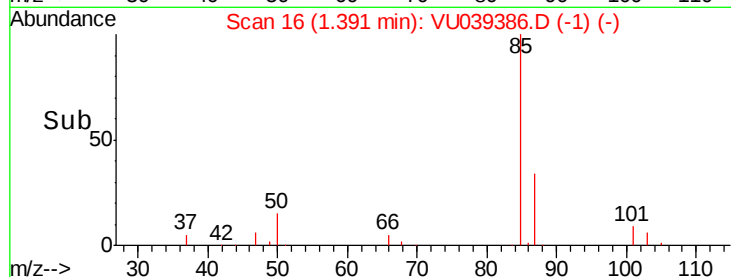
Ion Ratio Lower Upper

85 100

87 34.7 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039386.D (-1) (-)



#3

Chloromethane

Concen: 5.026 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039386.D

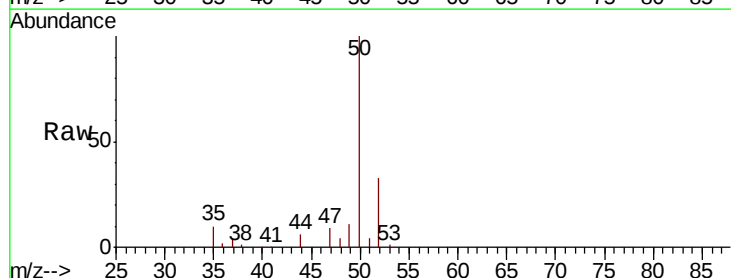
Acq: 09 Jul 2020 10:09

Tgt Ion: 50 Resp: 40244

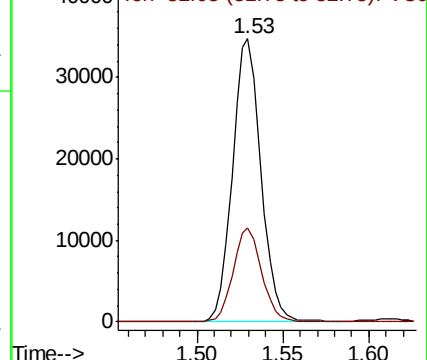
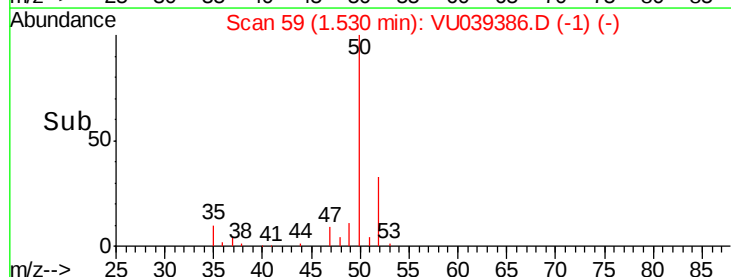
Ion Ratio Lower Upper

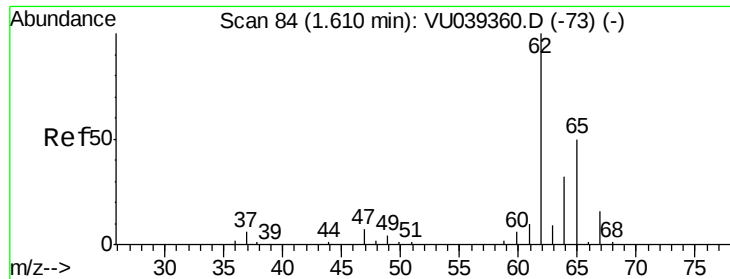
50 100

52 33.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039386.D (-1) (-)





#5

Vinyl chloride

Concen: 5.126 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

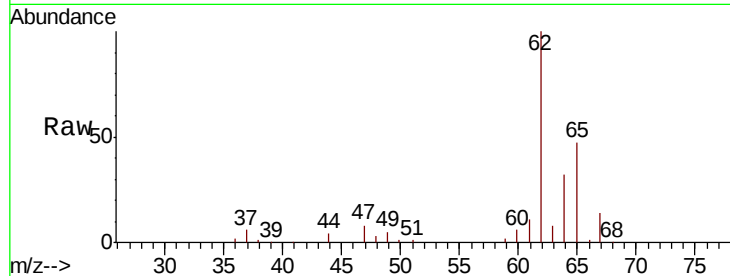
VSTD00511

Tot Ion: 62 Resp: 45568

Ion Ratio Lower Upper

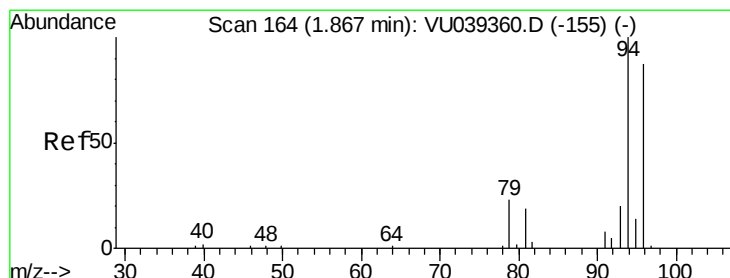
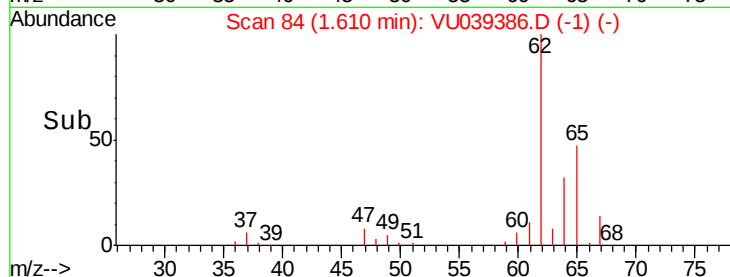
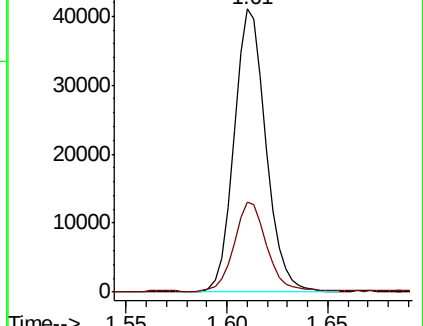
62 100

64 32.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039386.D (-73) (-)

Ion 64.10 (63.80 to 64.80): VU039386.D (-73) (-)



#6

Bromomethane

Concen: 5.339 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039386.D

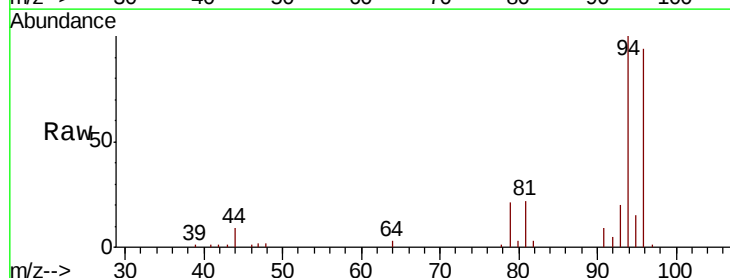
Acq: 09 Jul 2020 10:09

Tgt Ion: 94 Resp: 20440

Ion Ratio Lower Upper

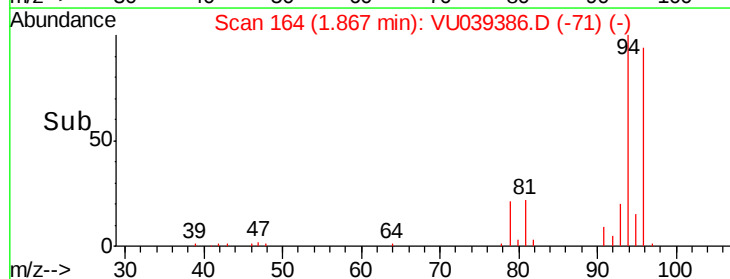
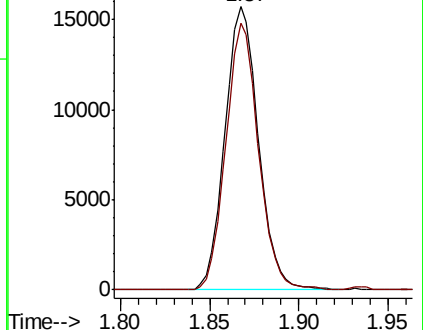
94 100

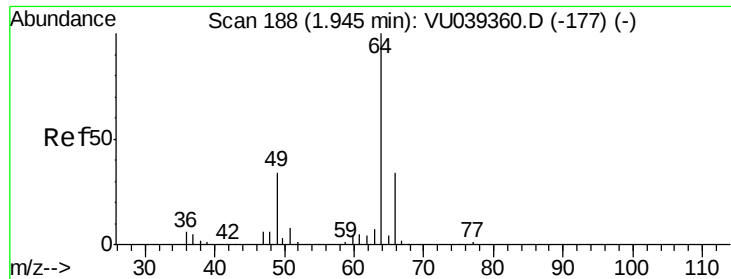
96 94.1 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039386.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039386.D (-155) (-)

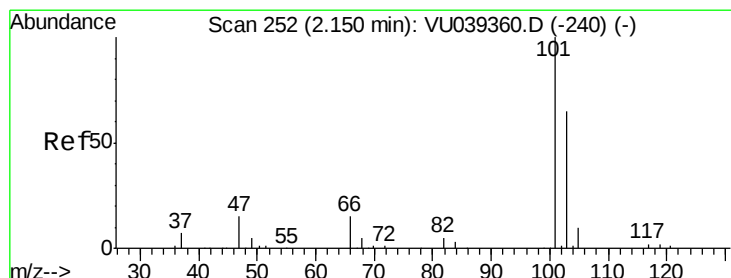
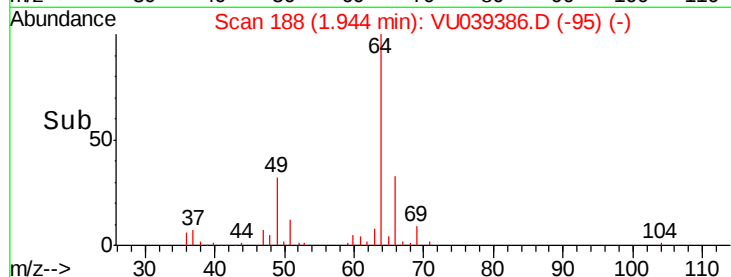
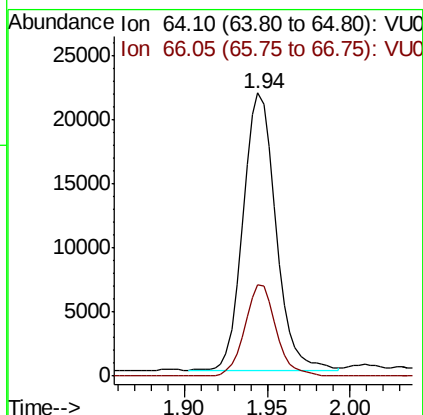
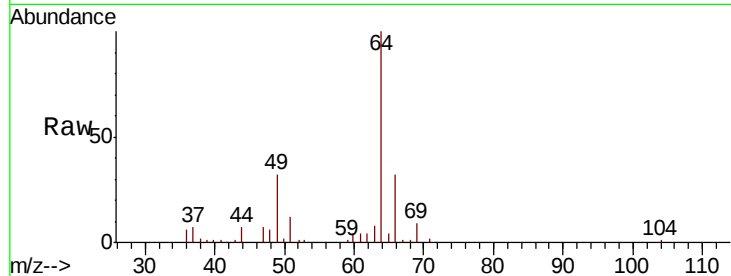




#8
Chloroethane
Concen: 4.638 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

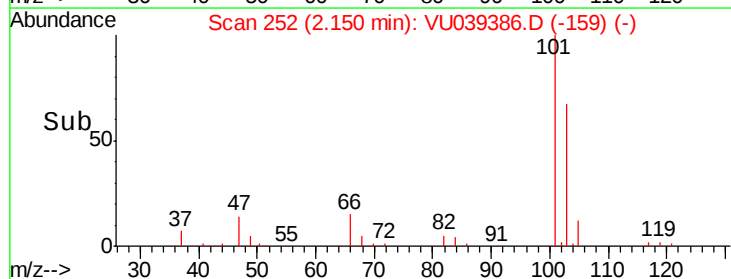
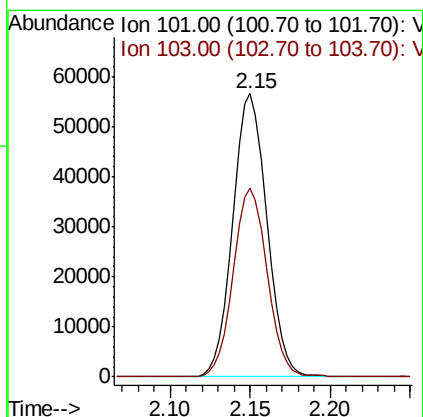
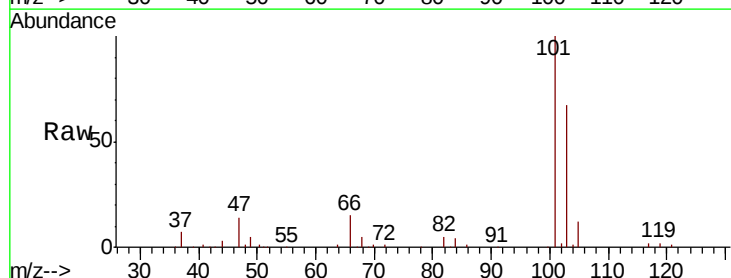
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

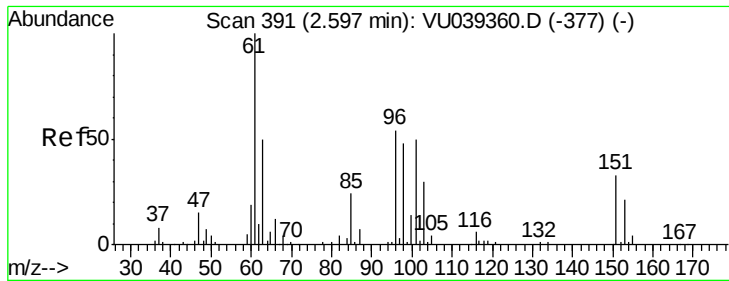
Tot Ion: 64 Resp: 29793
Ion Ratio Lower Upper
64 100
66 32.1 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.317 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion: 101 Resp: 82079
Ion Ratio Lower Upper
101 100
103 66.4 50.6 76.0





#10

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

Concen: 5.679 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

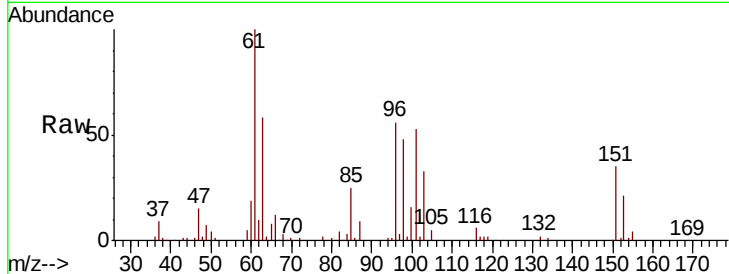
Tot Ion:101 Resp: 35976

Ion Ratio Lower Upper

101 100

85 46.8 38.9 58.3

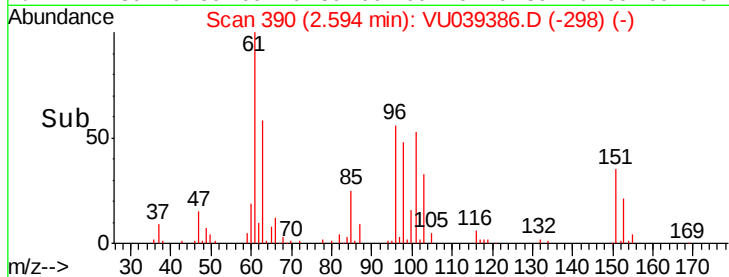
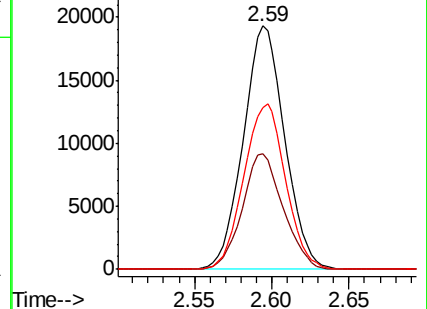
151 68.2 57.0 85.4



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: 5.028 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

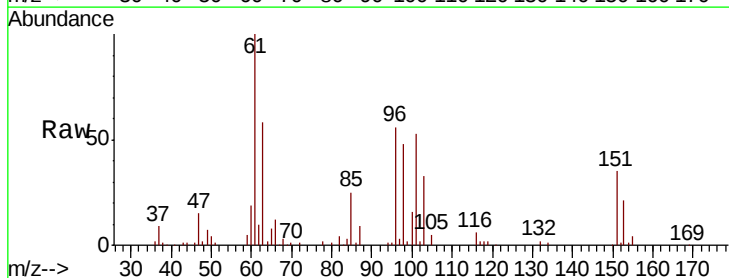
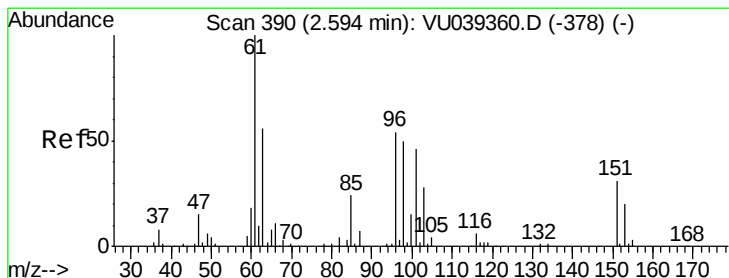
Tgt Ion: 96 Resp: 32604

Ion Ratio Lower Upper

96 100

61 180.1 125.4 232.8

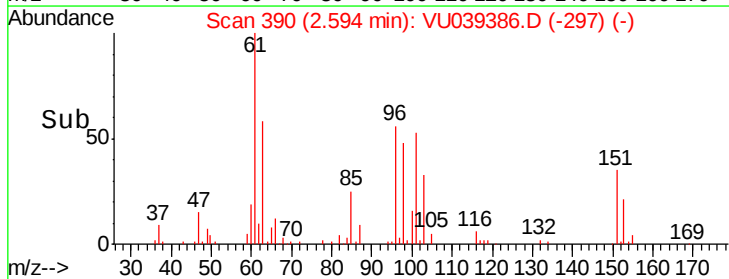
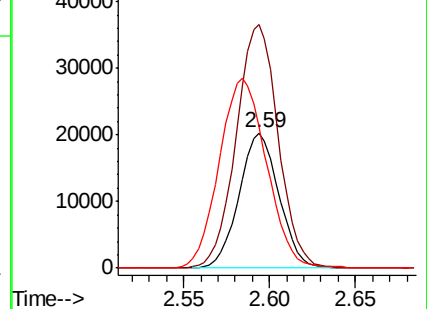
63 104.1 92.7 172.3

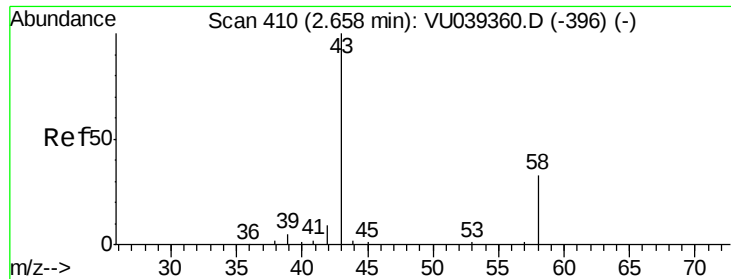


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.995 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

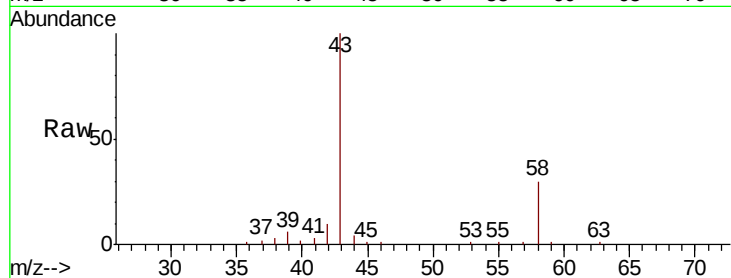
VSTD00511

Tot Ion: 43 Resp: 79588

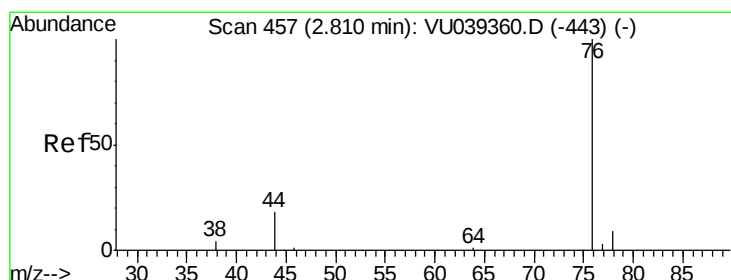
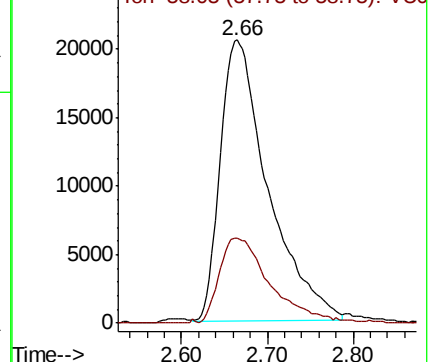
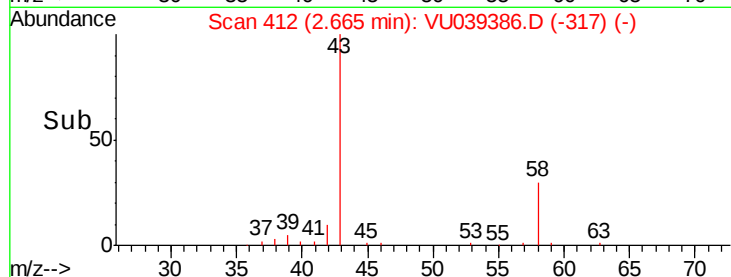
Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039386.D (-317) (-)



#14

Carbon disulfide

Concen: 4.815 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039386.D

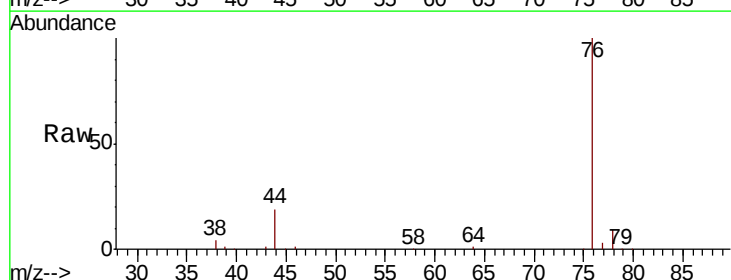
Acq: 09 Jul 2020 10:09

Tgt Ion: 76 Resp: 109993

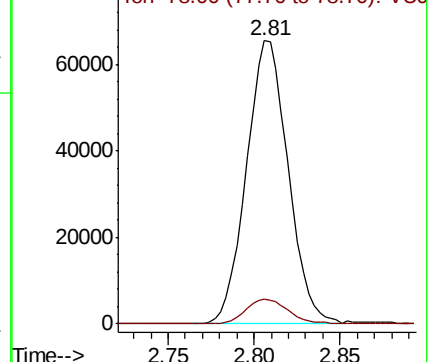
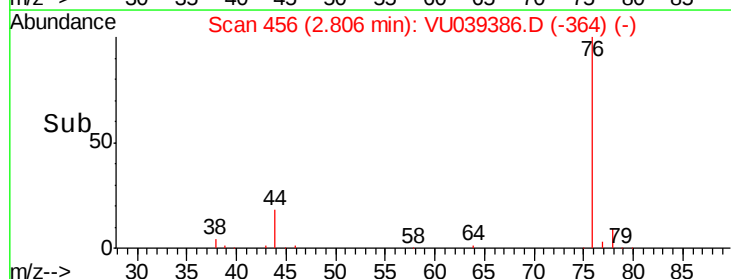
Ion Ratio Lower Upper

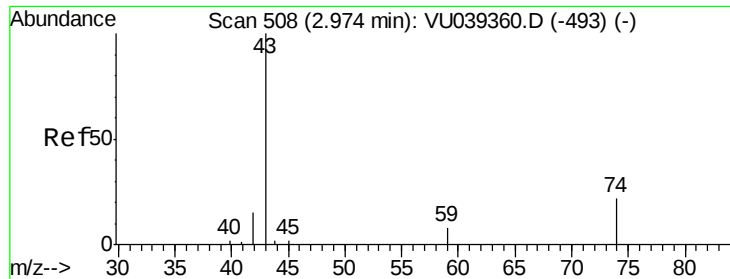
76 100

78 8.6 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039386.D (-364) (-)

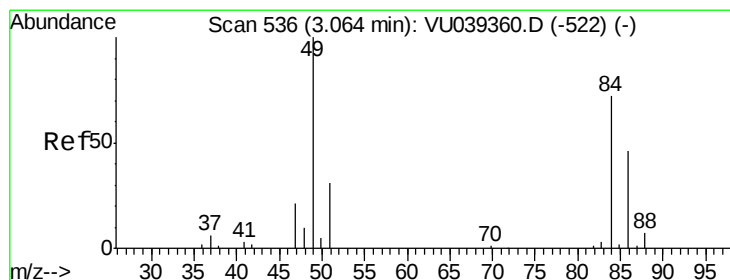
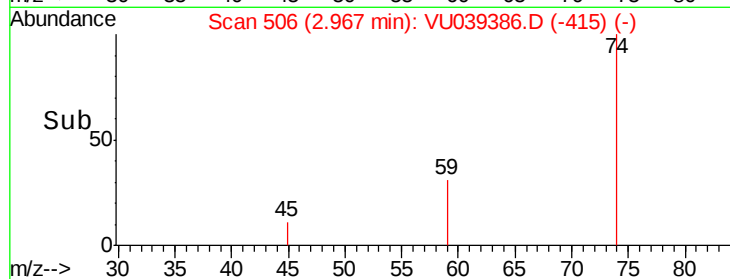
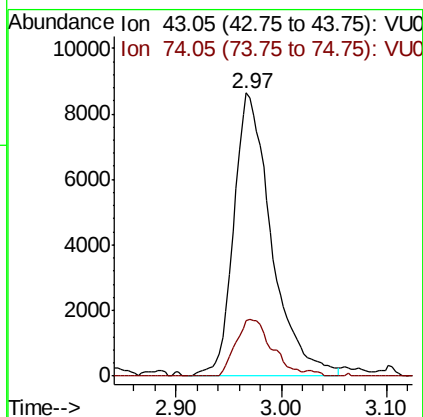
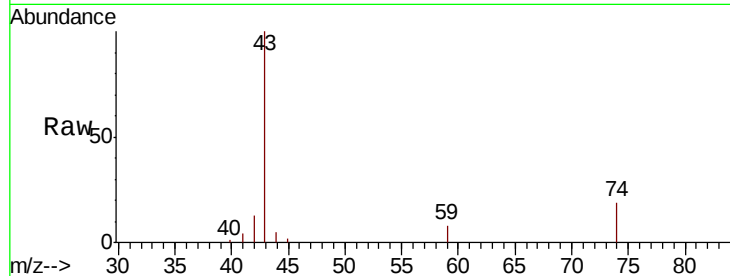




#15
Methvl Acetate
Concen: 5.216 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.01 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

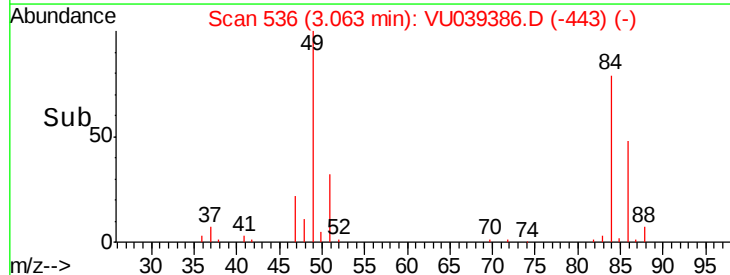
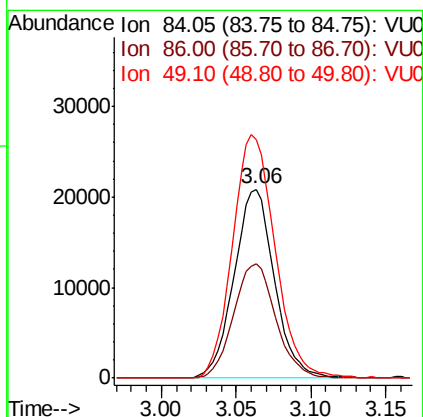
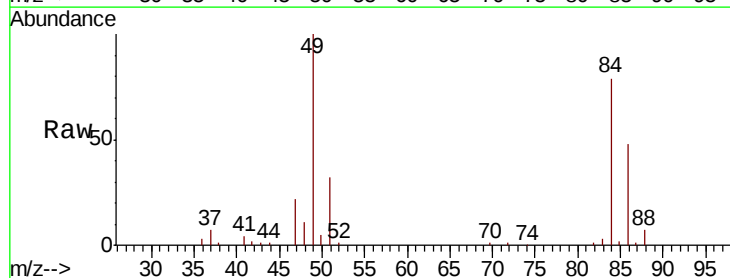
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

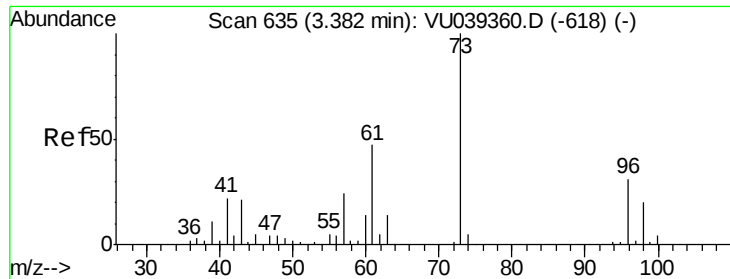
Tot Ion: 43 Resp: 21501
Ion Ratio Lower Upper
43 100
74 19.0 18.7 28.1



#16
Methylene chloride
Concen: 4.803 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion: 84 Resp: 39173
Ion Ratio Lower Upper
84 100
86 60.1 43.5 80.9
49 126.4 91.1 169.1

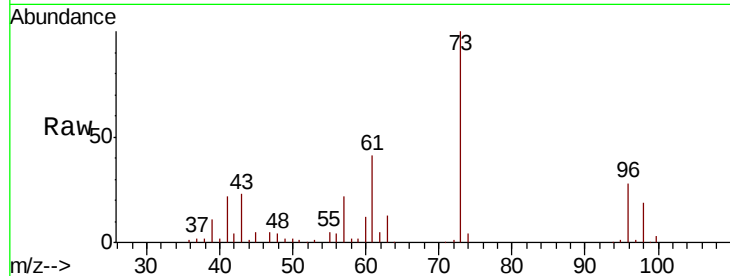




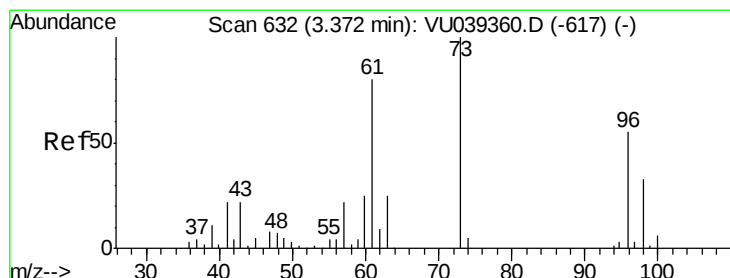
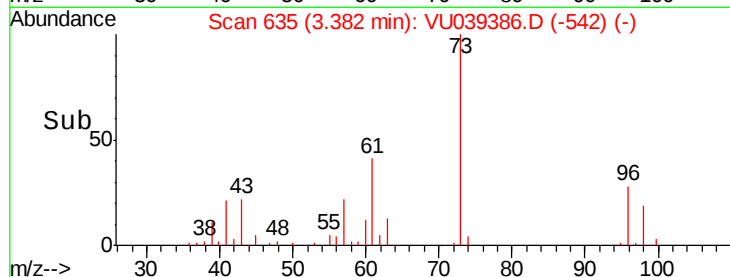
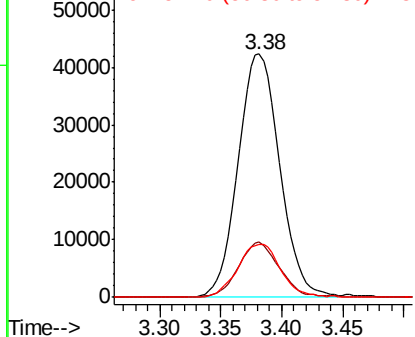
#17
Methvl tert-butvl Ether
Concen: 4.890 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 73 Resp: 99918
Ion Ratio Lower Upper
73 100
43 22.3 18.6 28.0
57 22.8 17.9 26.9

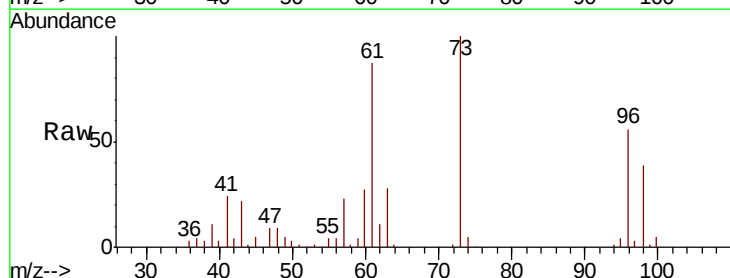


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

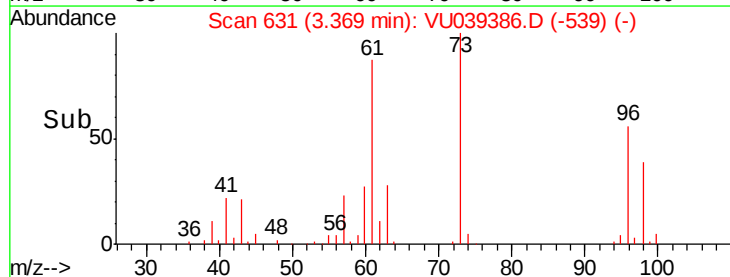
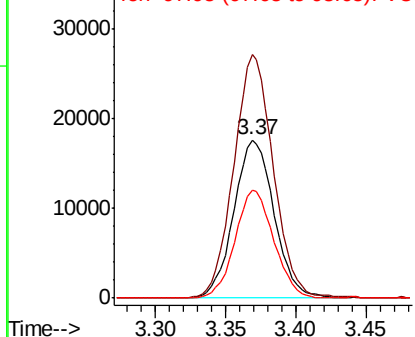


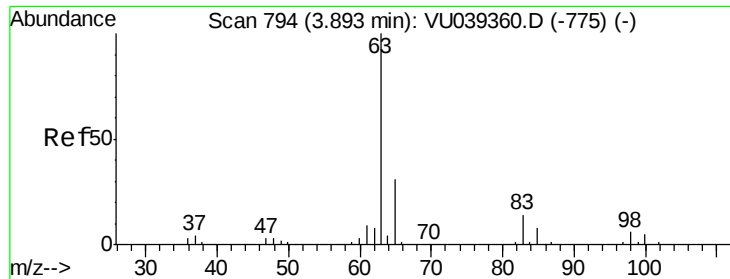
#18
trans-1,2-Dichloroethene
Concen: 4.914 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion: 96 Resp: 35277
Ion Ratio Lower Upper
96 100
61 154.3 102.1 189.5
98 68.7 42.5 78.9



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

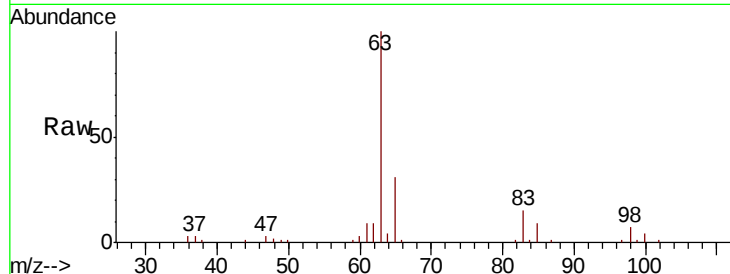




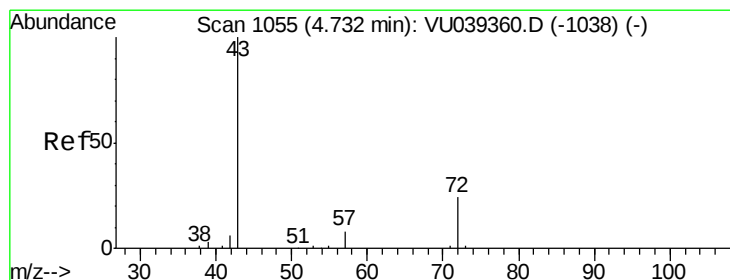
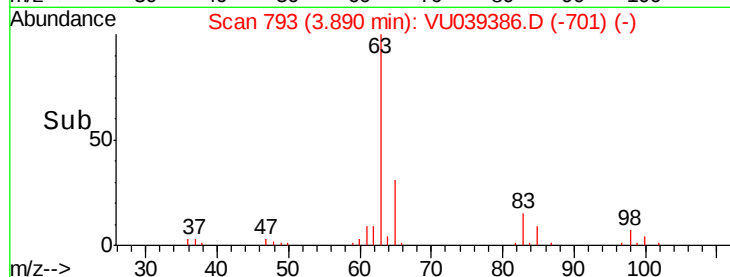
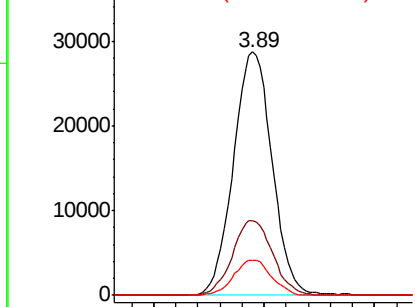
#19
 1,1-Dichloroethane
 Concen: 4.974 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 63 Resp: 69856
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.0 42.6
 83 14.5 9.6 17.8

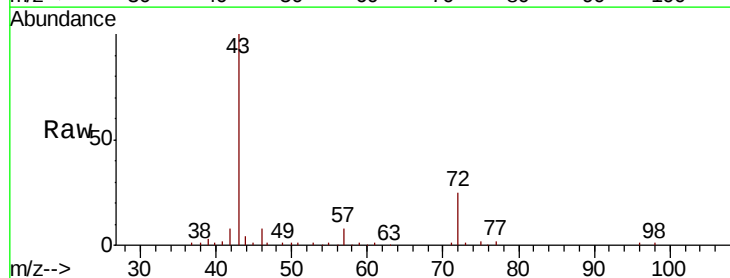


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

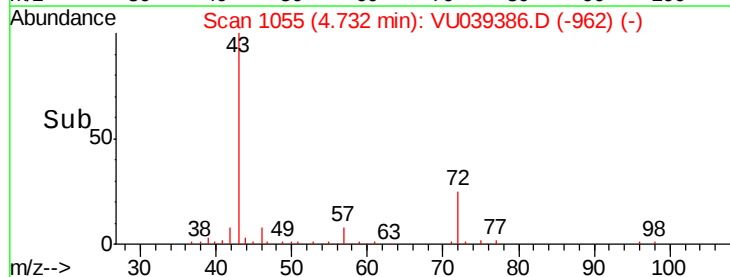
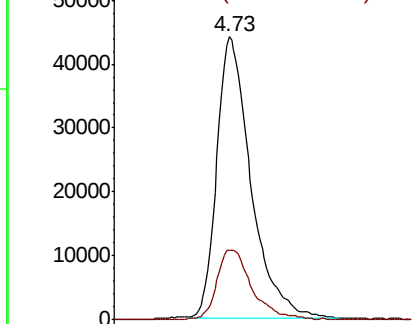


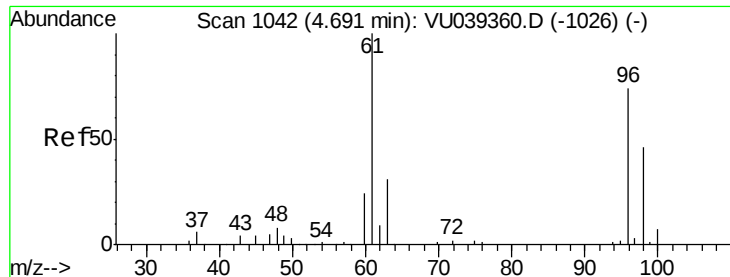
#21
 2-Butanone
 Concen: 50.432 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion: 43 Resp: 140487
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.2 39.5



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: 4.878 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

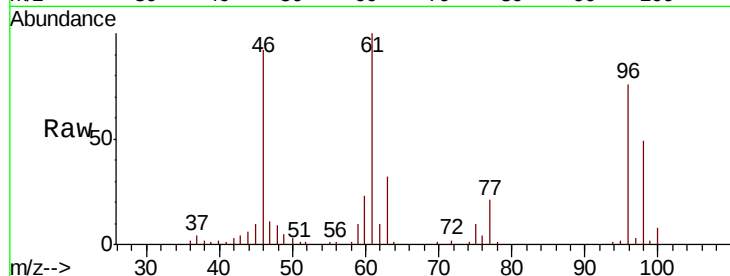
Tot Ion: 96 Resp: 39264

Ion Ratio Lower Upper

96 100

61 132.1 92.8 172.4

68 0.0 0.0 0.0

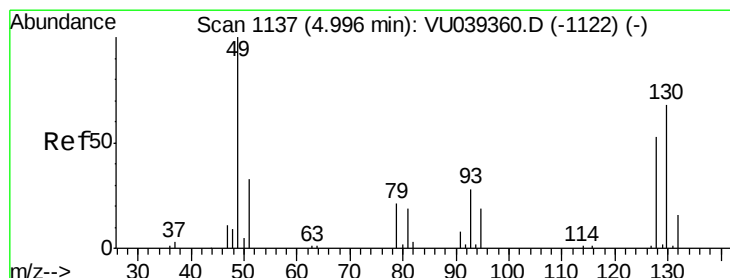
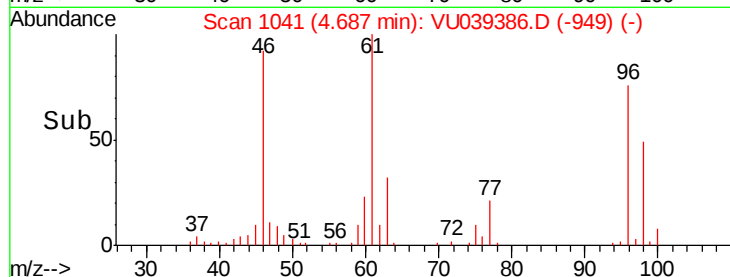
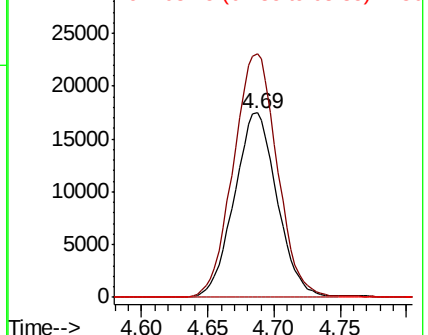


Abundance

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: 5.097 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Tgt Ion: 128 Resp: 18638

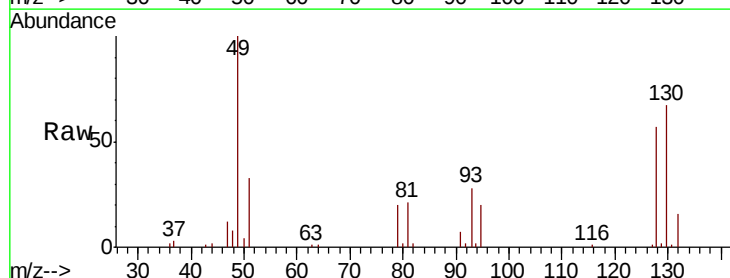
Ion Ratio Lower Upper

128 100

49 174.2 128.5 238.7

130 117.4 91.5 169.9

51 56.7 47.0 70.6



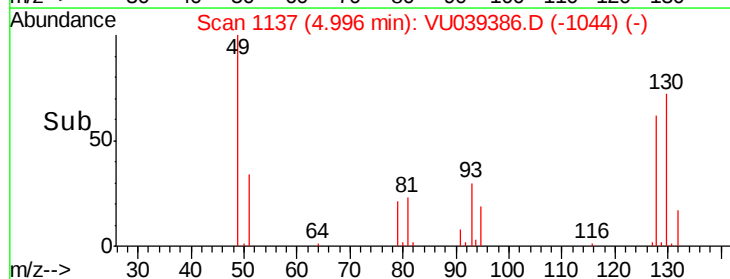
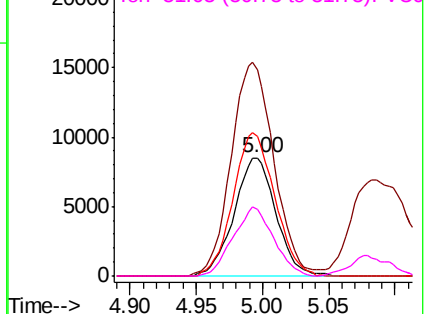
Abundance

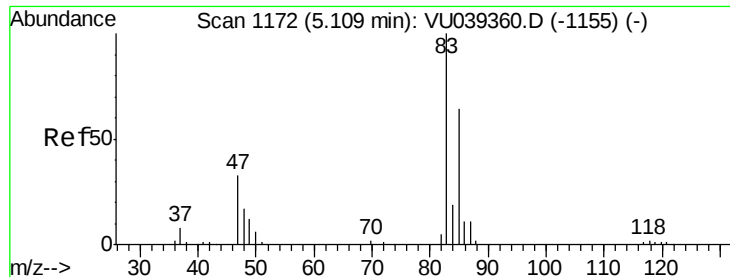
Ion 127.90 (127.60 to 128.60): V

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

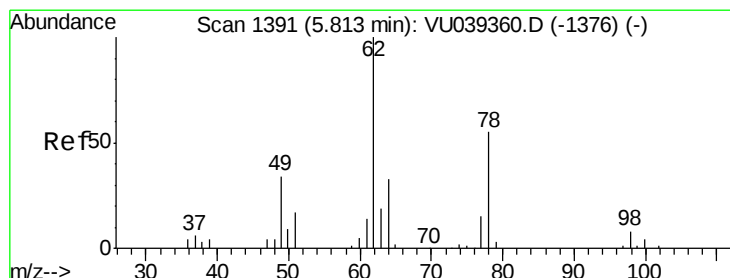
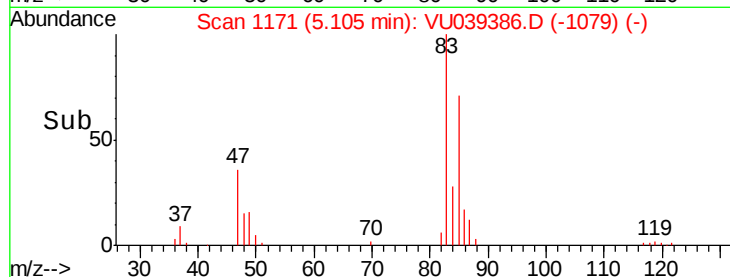
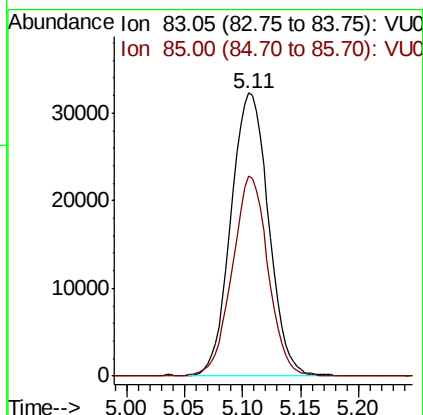
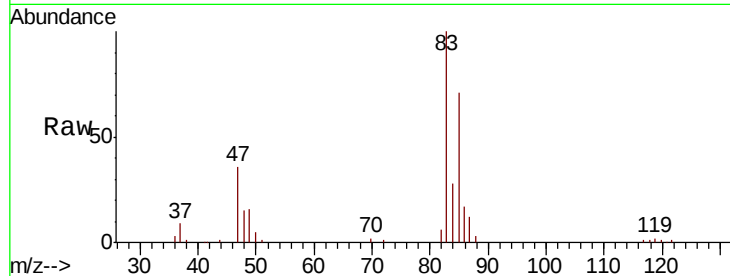




#25
Chloroform
Concen: 5.131 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

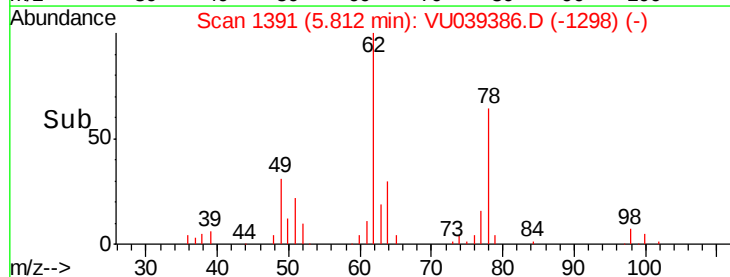
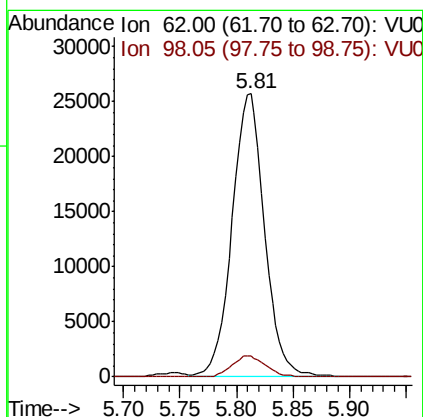
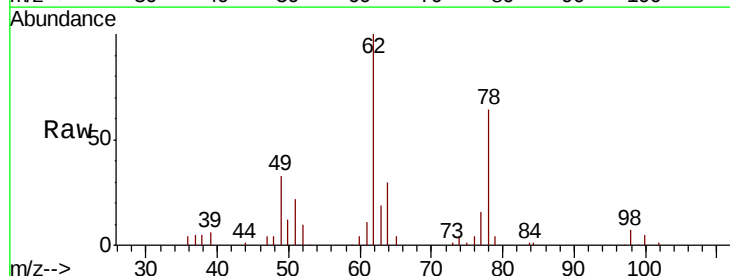
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

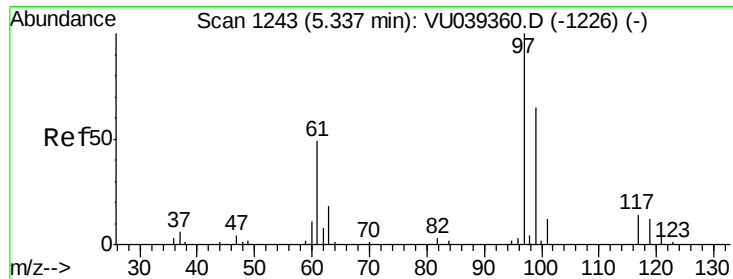
Tot Ion: 83 Resp: 72776
Ion Ratio Lower Upper
83 100
85 70.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.026 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion: 62 Resp: 51568
Ion Ratio Lower Upper
62 100
98 7.2 6.3 9.5

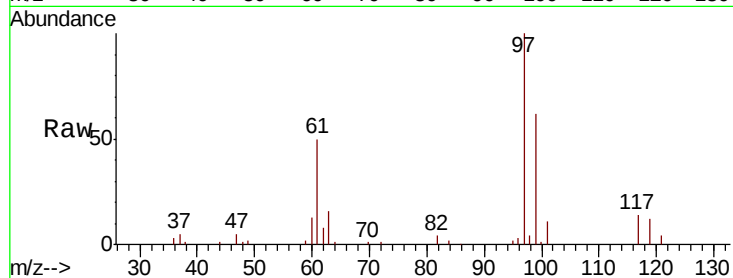




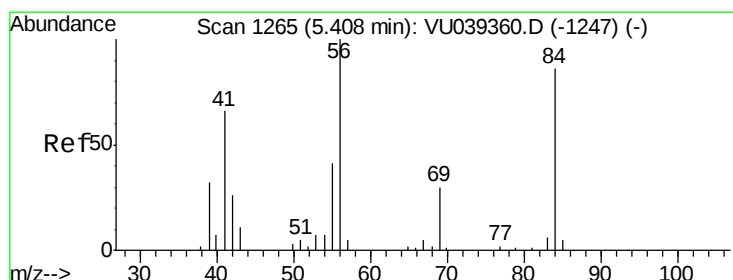
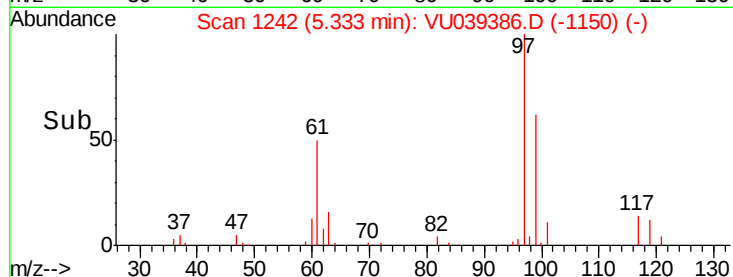
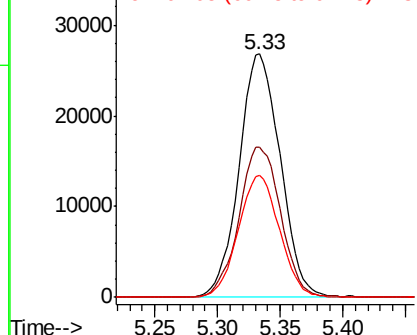
#29
 1,1,1-Trichloroethane
 Concen: 5.078 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 97 Resp: 61266
 Ion Ratio Lower Upper
 97 100
 99 62.6 52.6 79.0
 61 50.1 37.9 56.9

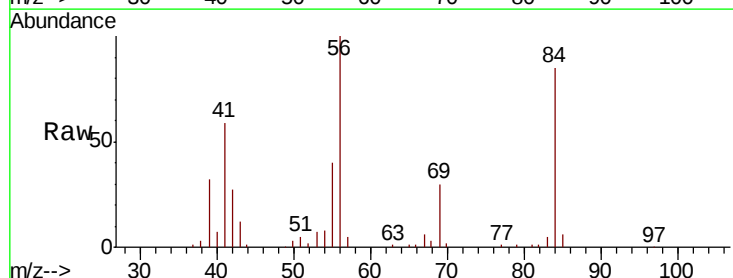


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

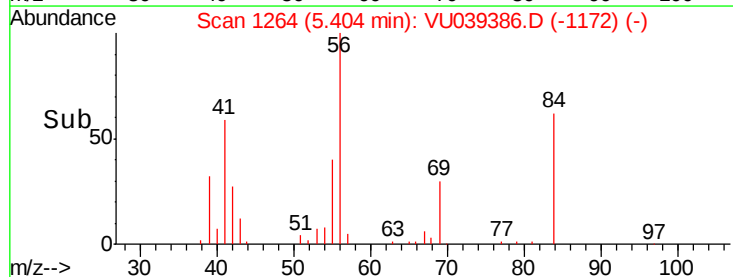
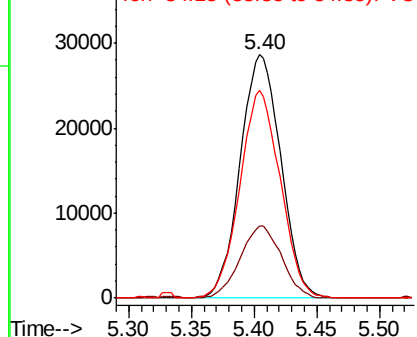


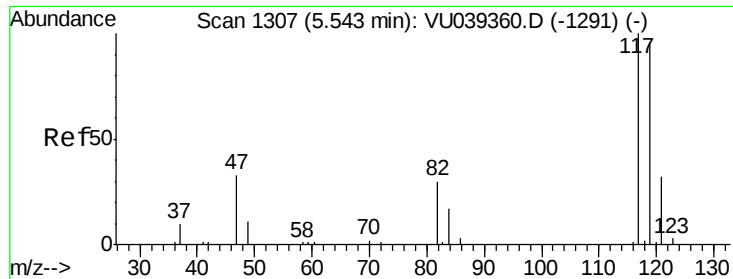
#30
 Cyclohexane
 Concen: 5.084 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion: 56 Resp: 64585
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.1 36.1
 84 84.7 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

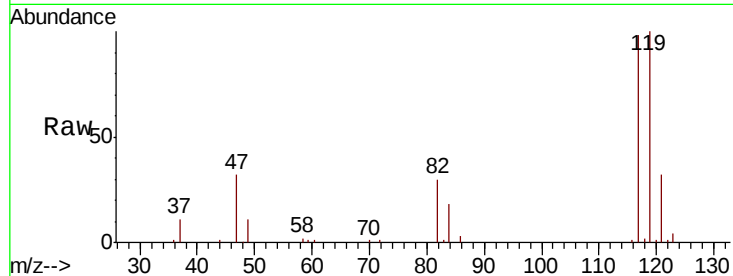




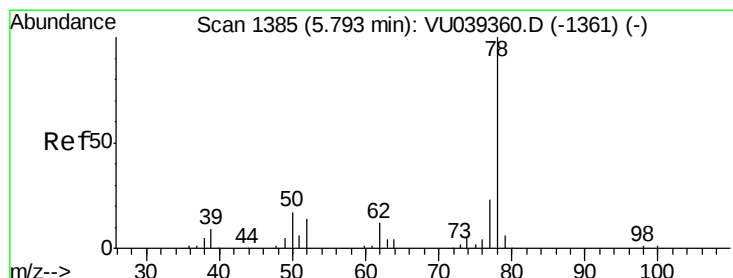
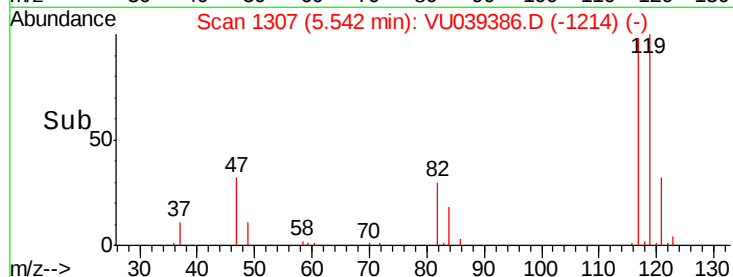
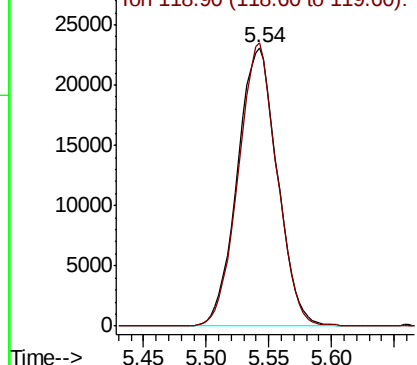
#31
Carbon tetrachloride
Concen: 4.976 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Instrument :
MSVOA_U
ClientSampled :
VSTD00511

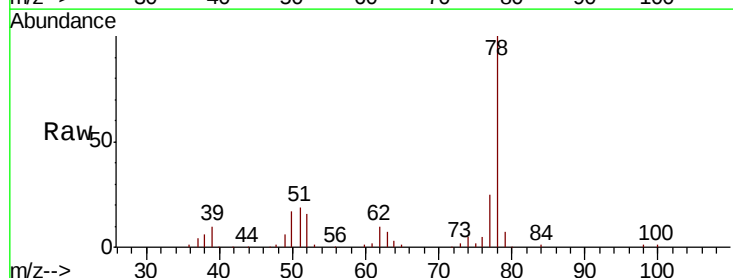
Tot Ion:117 Resp: 51223
Ion Ratio Lower Upper
117 100
119 98.0 77.4 116.0



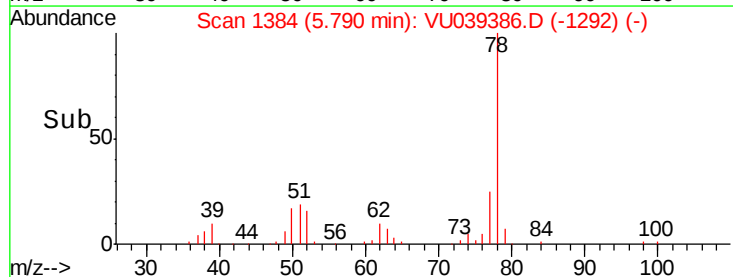
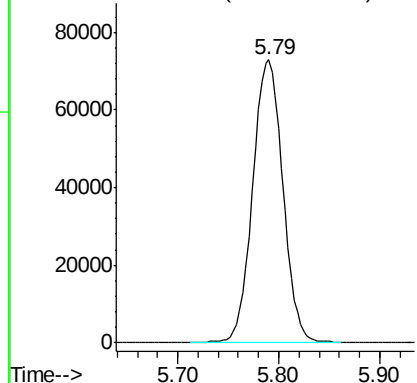
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

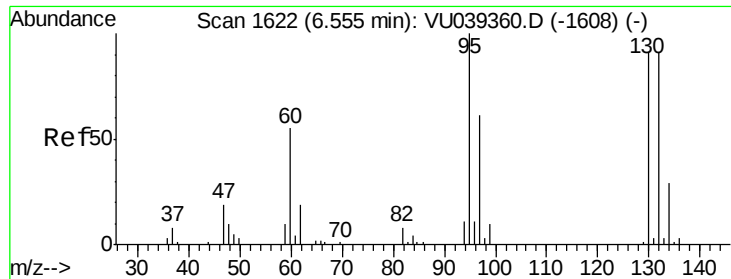


#33
Benzene
Concen: 4.935 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09
Tgt Ion: 78 Resp: 151150



Abundance Ion 78.10 (77.80 to 78.80): VU0

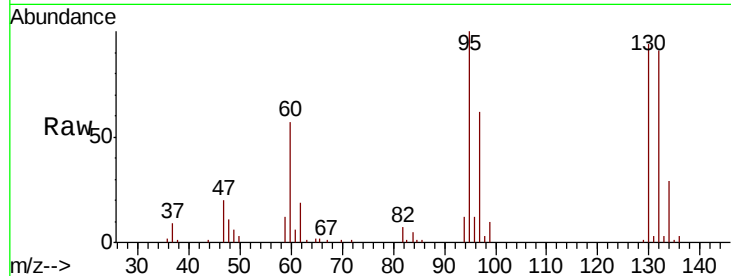




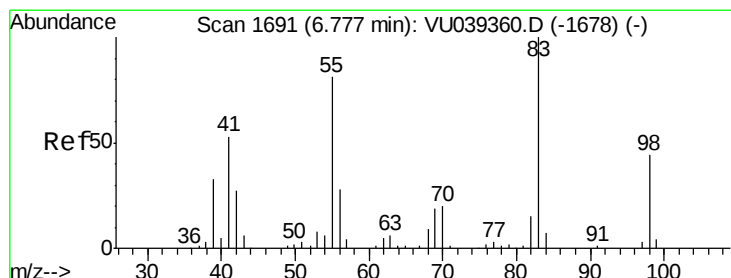
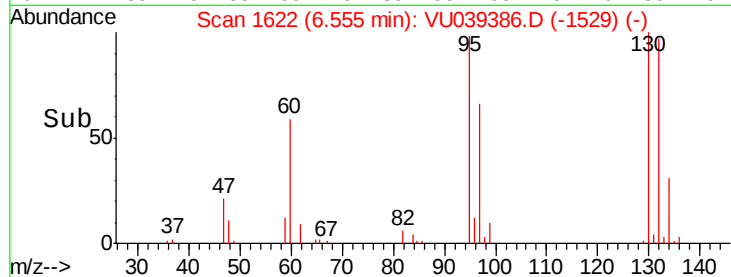
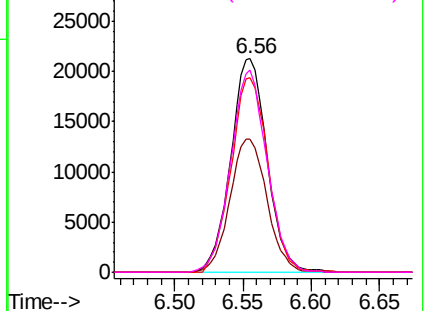
#34
 Trichloroethene
 Concen: 4.967 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 95 Resp: 39329
 Ion Ratio Lower Upper
 95 100
 97 62.4 46.3 85.9
 132 91.2 64.0 118.8
 130 94.4 64.3 119.5

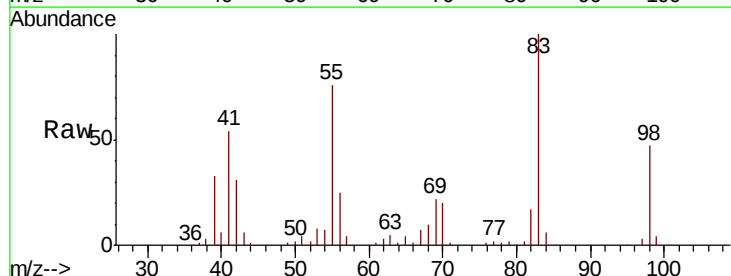


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

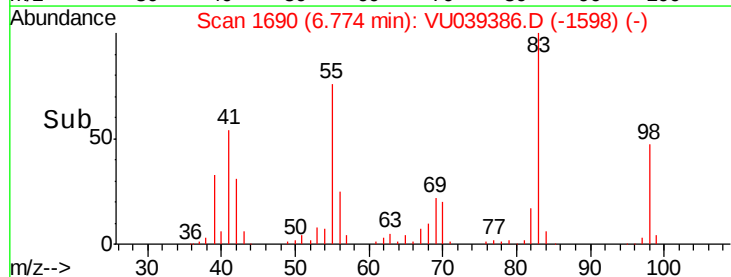
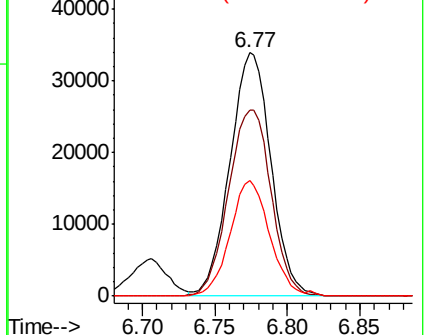


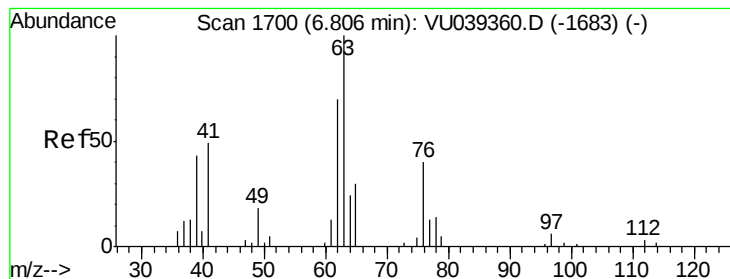
#35
 Methylcyclohexane
 Concen: 5.259 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion: 83 Resp: 66716
 Ion Ratio Lower Upper
 83 100
 55 79.4 62.1 93.1
 98 45.5 35.9 53.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.001 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

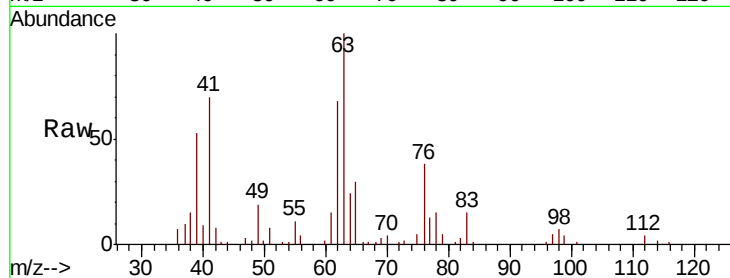
VSTD00511

Tot Ion: 63 Resp: 41757

Ion Ratio Lower Upper

63 100

112 3.1 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VU039386.D (-1699) (-)

Ion 112.10 (111.80 to 112.80): VU039386.D (-1699) (-)

25000

20000

15000

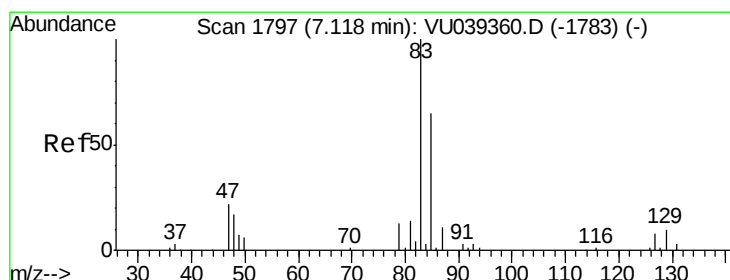
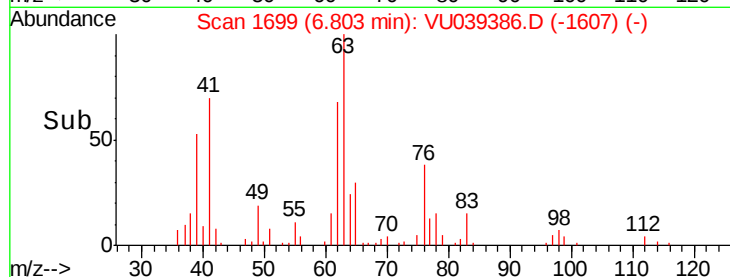
10000

5000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.953 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

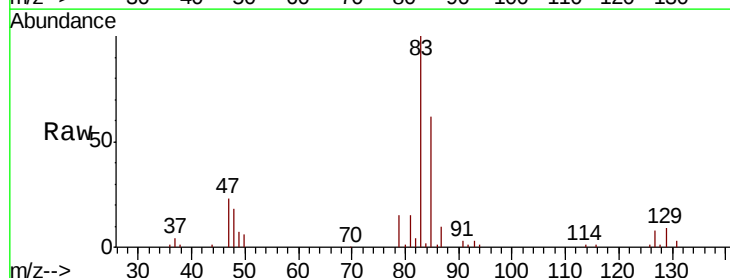
Tgt Ion: 83 Resp: 52812

Ion Ratio Lower Upper

83 100

85 61.8 44.0 81.6

127 7.6 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VU039386.D (-1796) (-)

Ion 85.00 (84.70 to 85.70): VU039386.D (-1796) (-)

Ion 126.90 (126.60 to 127.60): VU039386.D (-1796) (-)

40000

30000

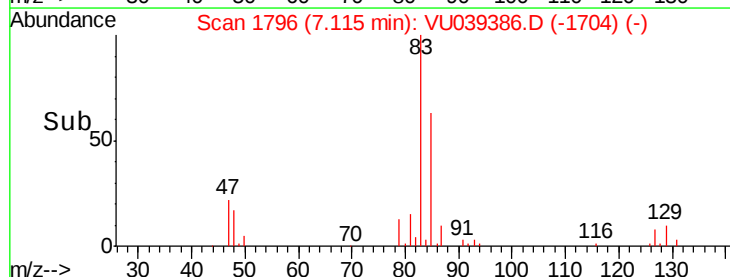
20000

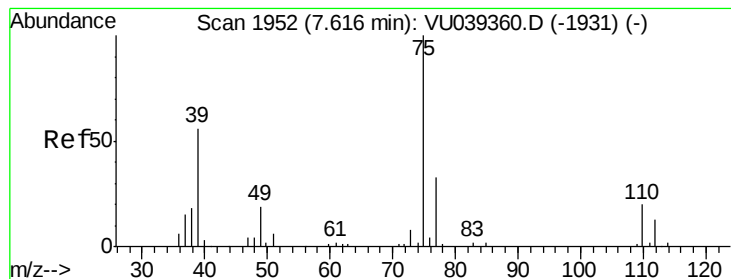
10000

0

7.05 7.10 7.15 7.20

Time-->



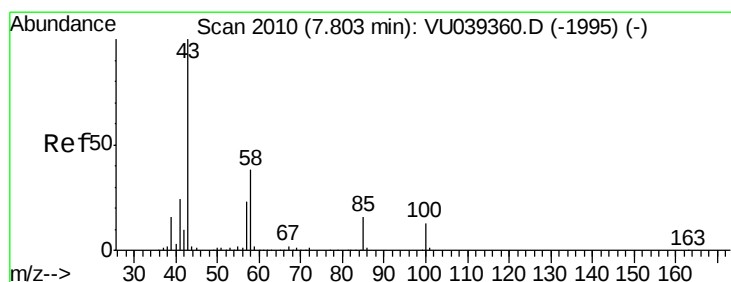
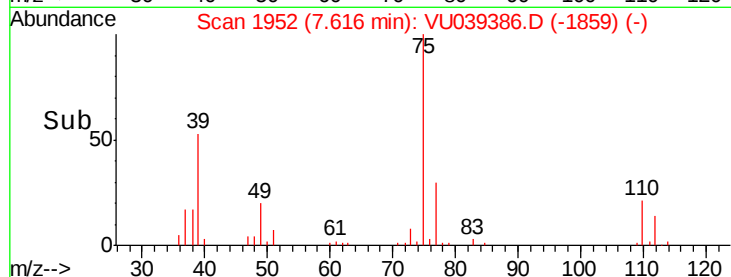
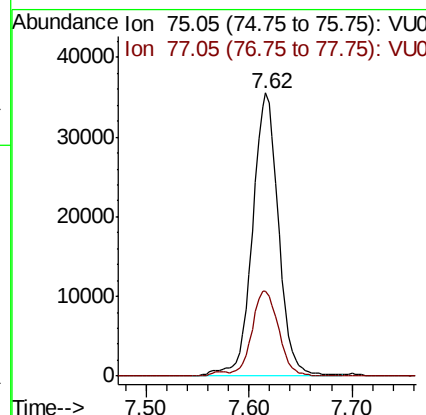
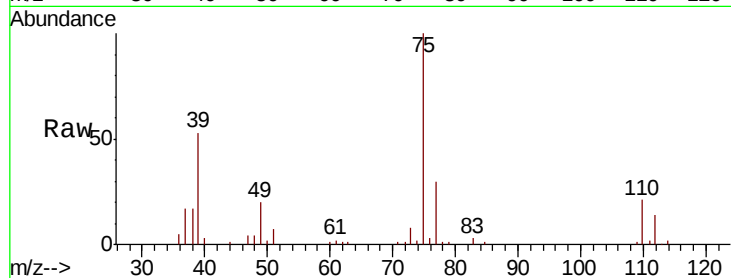


#39

cis-1,3-Dichloropropene
Concen: 4.931 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

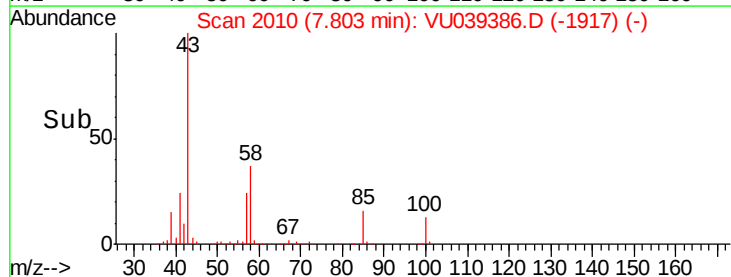
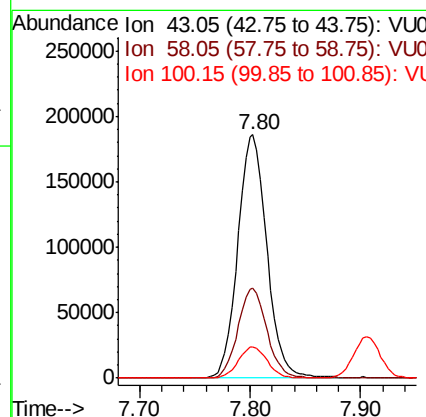
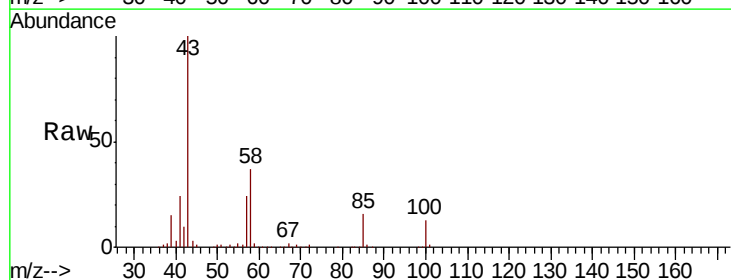
Tot Ion: 75 Resp: 62238
Ion Ratio Lower Upper
75 100
77 30.0 22.3 41.3

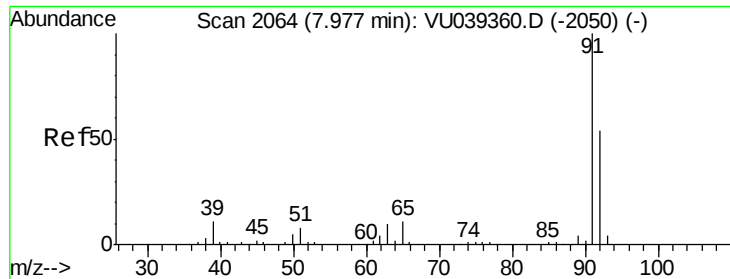


#40

4-Methyl-2-pentanone
Concen: 48.715 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion: 43 Resp: 339300
Ion Ratio Lower Upper
43 100
58 36.9 30.5 45.7
100 12.9 10.3 15.5





#42

Toluene

Concen: 4.916 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

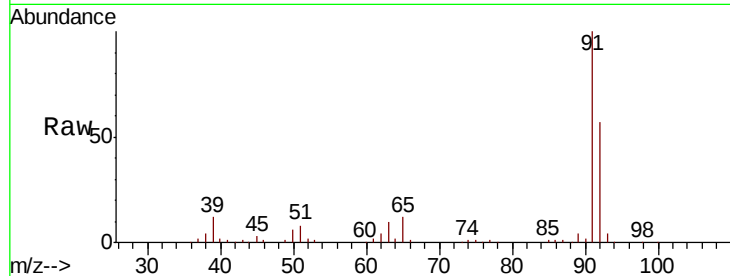
VSTD00511

Tot Ion: 91 Resp: 161218

Ion Ratio Lower Upper

91 100

92 56.6 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039360.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039386.D (-1971) (-)

7.98

100000

80000

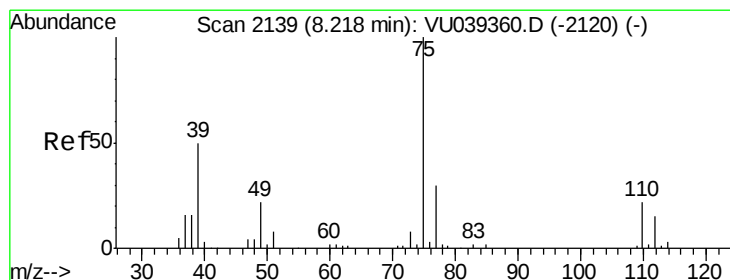
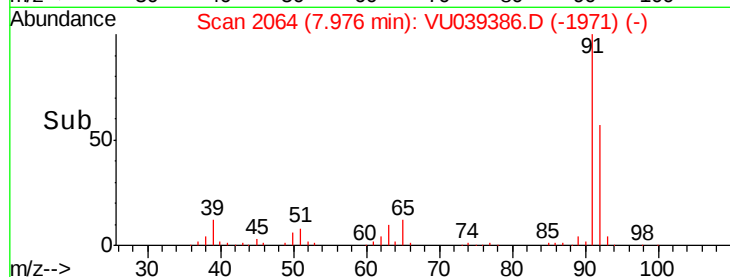
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.886 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039386.D

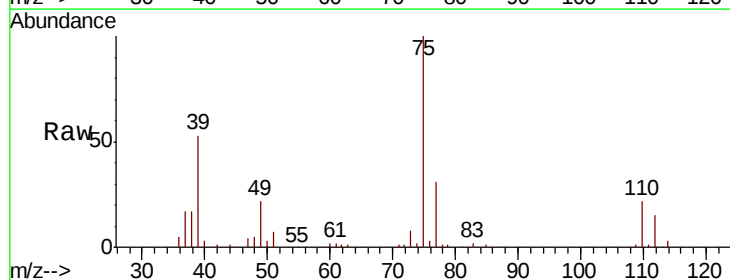
Acq: 09 Jul 2020 10:09

Tgt Ion: 75 Resp: 54715

Ion Ratio Lower Upper

75 100

77 30.9 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039360.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039386.D (-2046) (-)

8.22

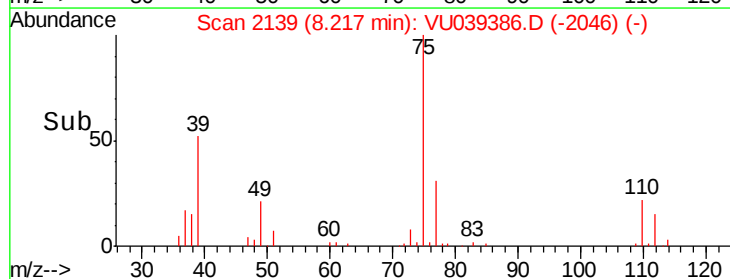
30000

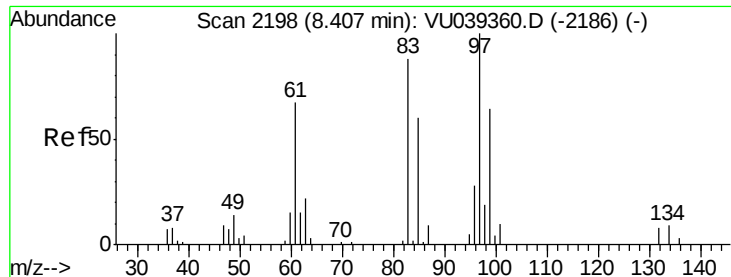
20000

10000

0

Time-->

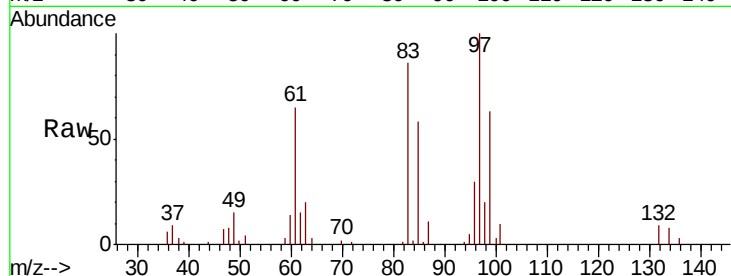




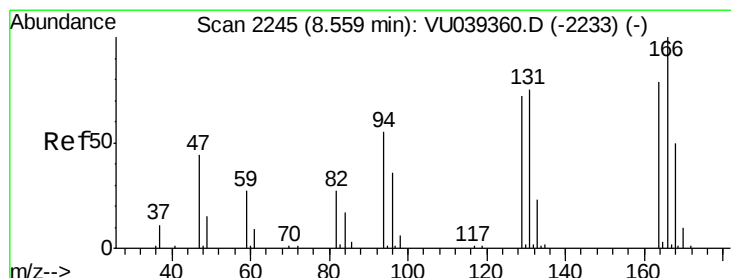
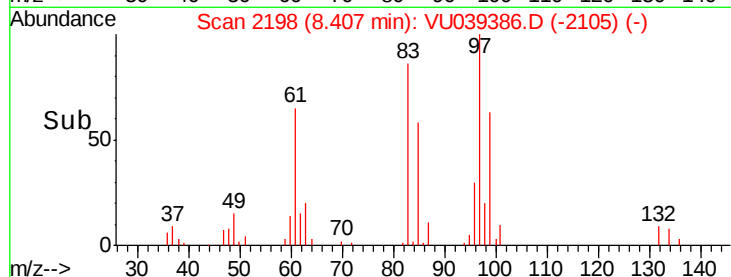
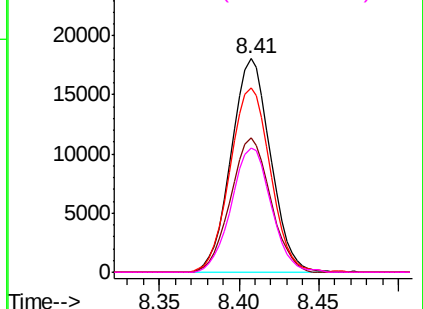
#45
 1,1,2-Trichloroethane
 Concen: 5.047 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion:	97	Resp:	30266
Ion	Ratio	Lower	Upper
97	100		
99	62.8	40.7	75.7
83	86.5	60.6	112.6
85	58.1	38.3	71.1

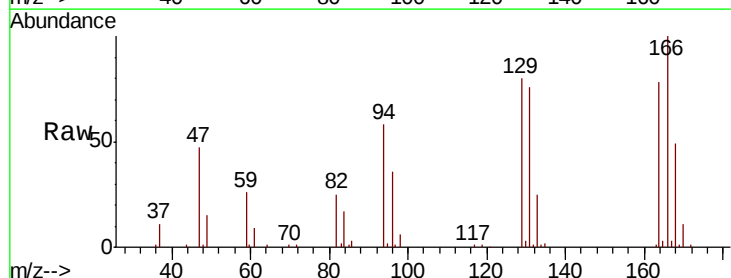


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

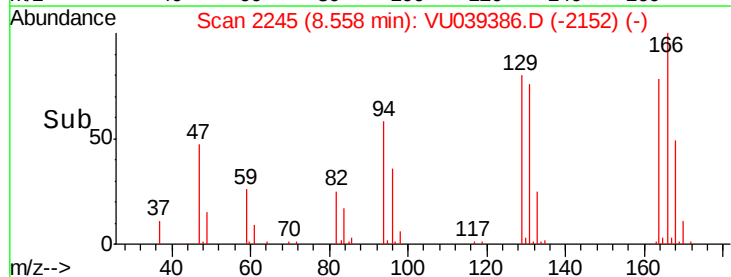
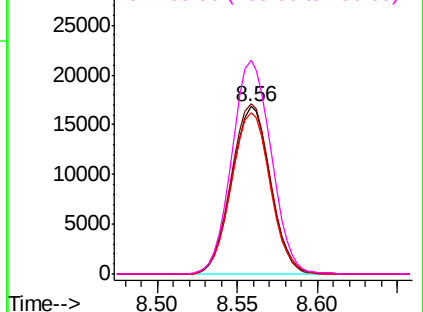


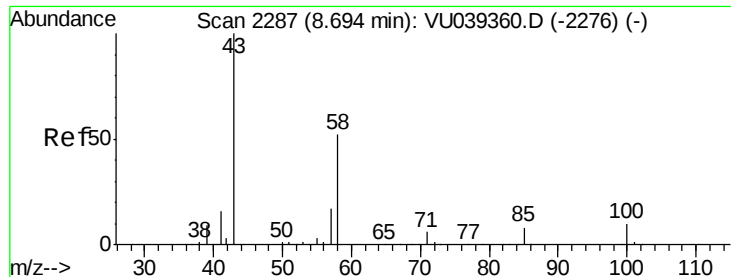
#47
 Tetrachloroethene
 Concen: 5.018 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion:	164	Resp:	27637
Ion	Ratio	Lower	Upper
164	100		
129	102.1	68.6	127.4
131	96.7	66.4	123.4
166	127.8	85.9	159.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

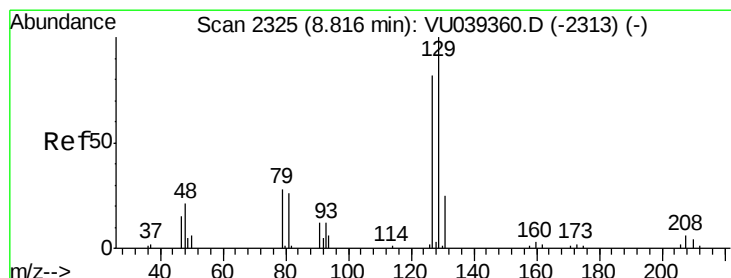
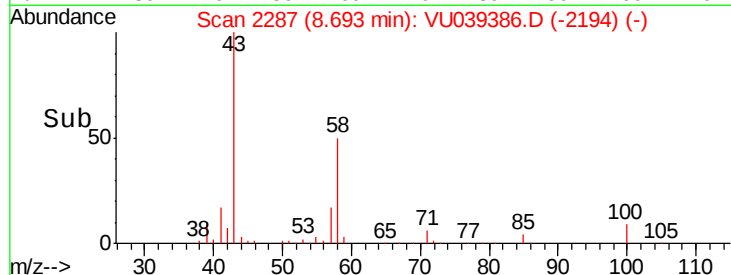
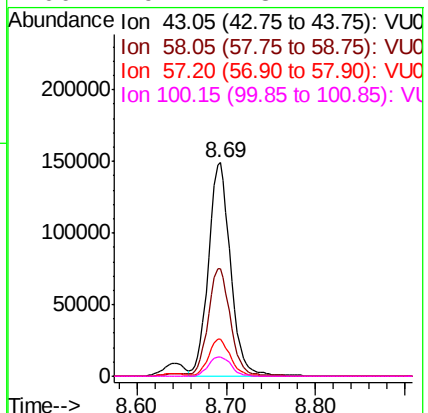
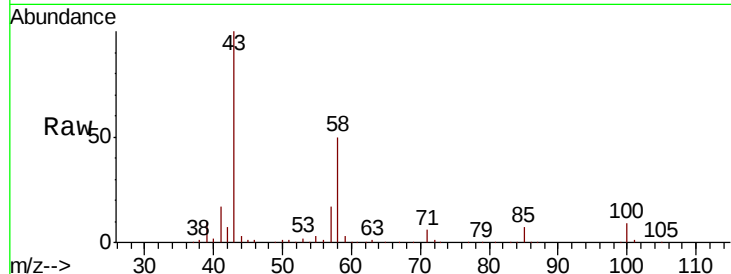




#48
2-Hexanone
Concen: 50.041 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

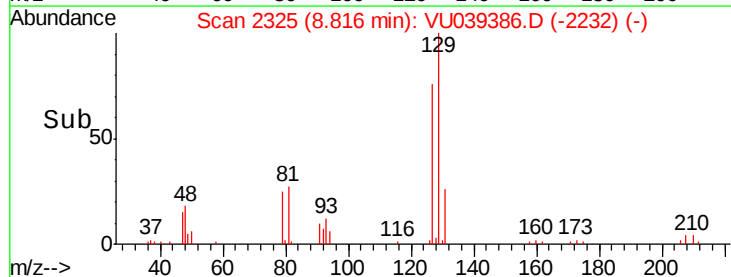
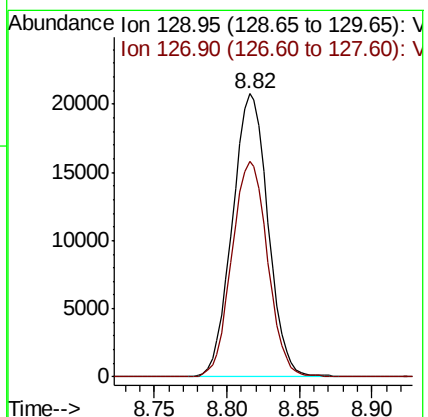
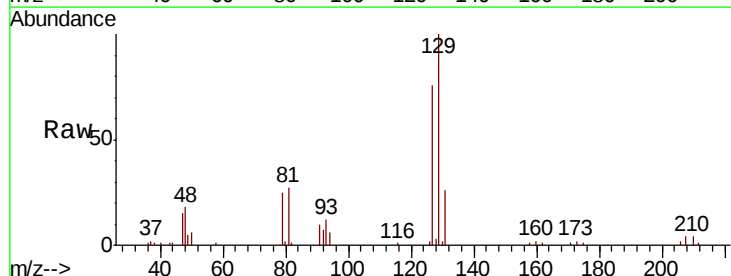
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

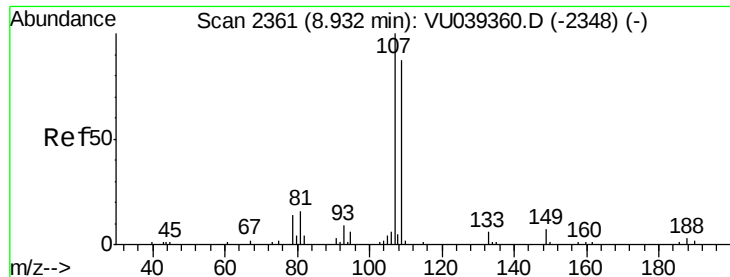
Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	42.0	63.0
57	17.0	14.0	21.0
100	9.4	8.2	12.2



#49
Dibromochloromethane
Concen: 4.892 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.4	102.8

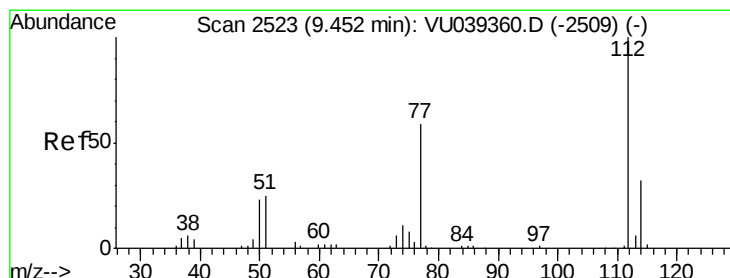
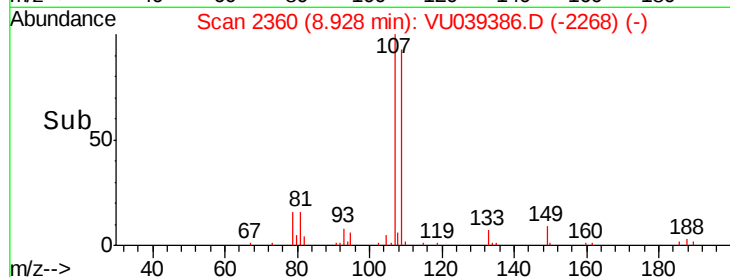
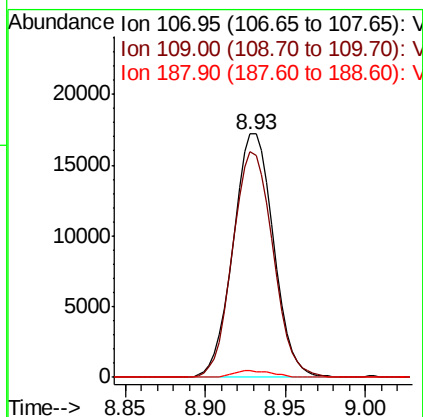
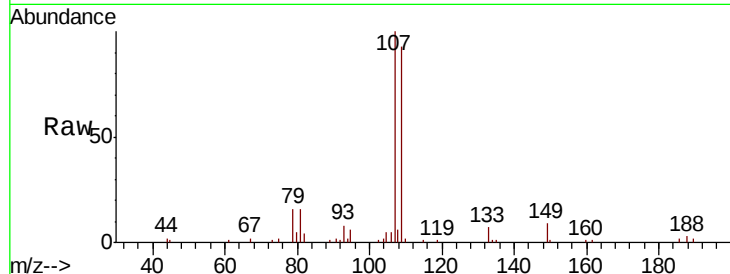




#50
 1,2-Dibromoethane
 Concen: 4.858 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

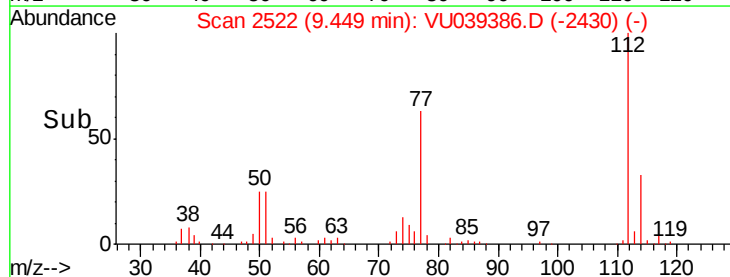
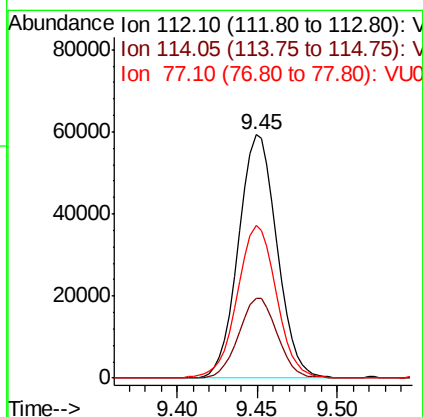
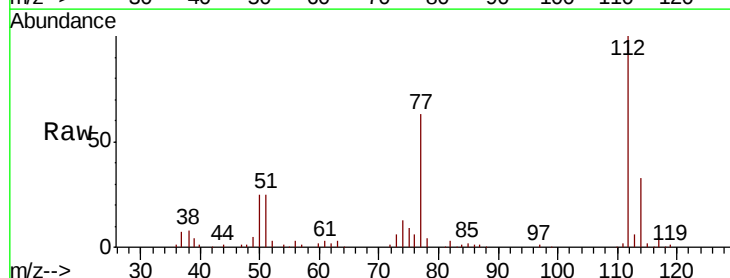
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

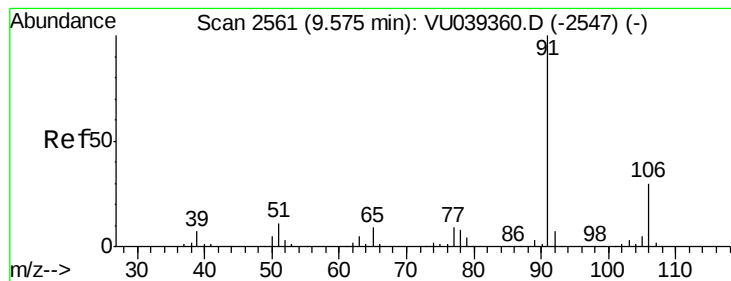
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.0	118.8
188	2.6	2.6	3.8



#51
 Chlorobenzene
 Concen: 4.841 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.1	41.1
77	62.6	49.9	74.9





#52

Ethylbenzene

Concen: 5.053 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

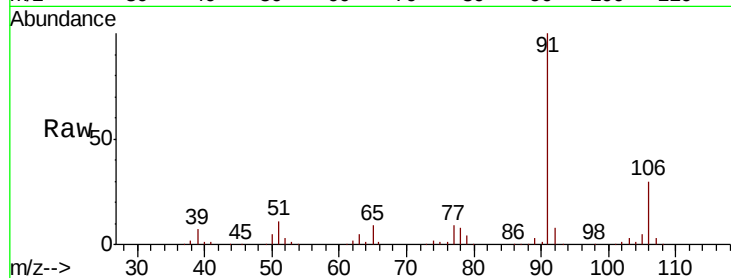
VSTD00511

Tot Ion: 91 Resp: 183138

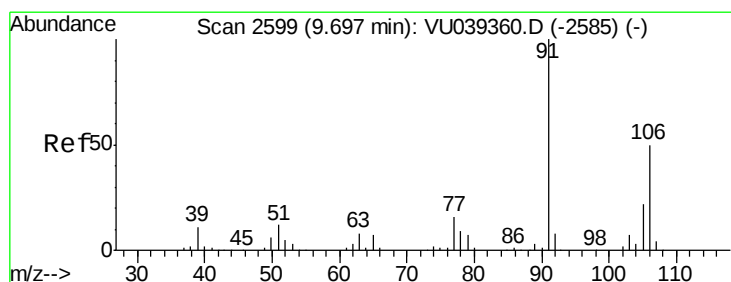
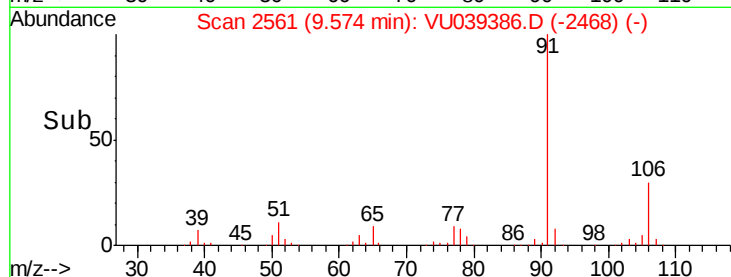
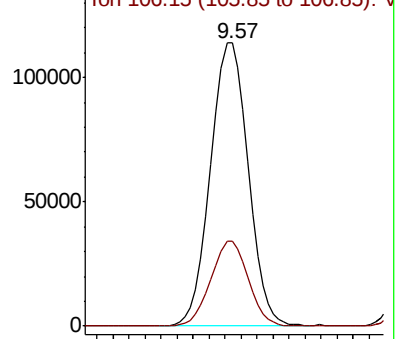
Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039386.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.008 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039386.D

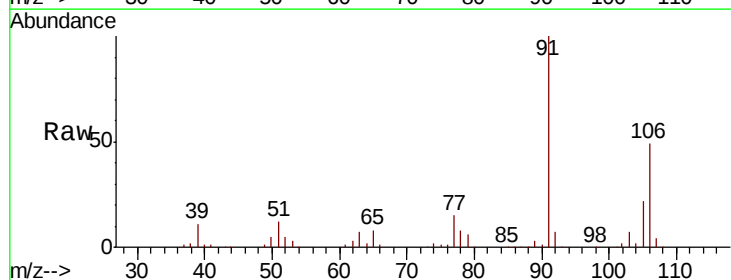
Acq: 09 Jul 2020 10:09

Tgt Ion: 106 Resp: 68390

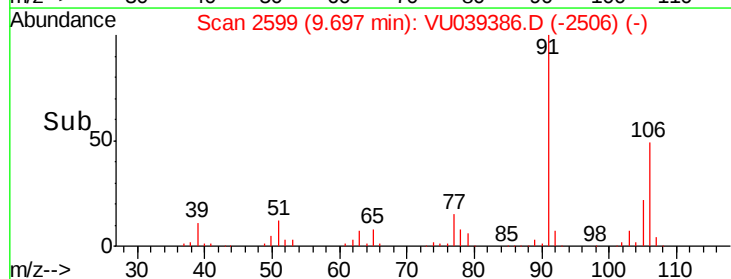
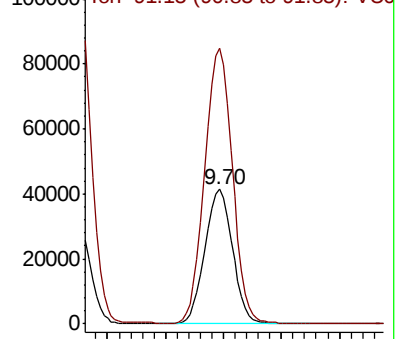
Ion Ratio Lower Upper

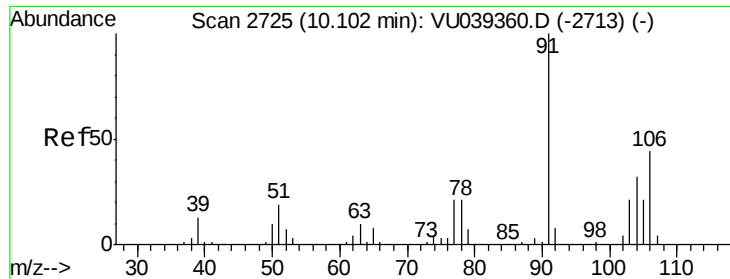
106 100

91 204.7 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039386.D (-2599) (-)

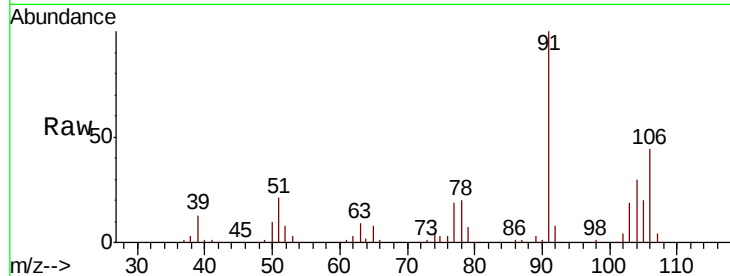




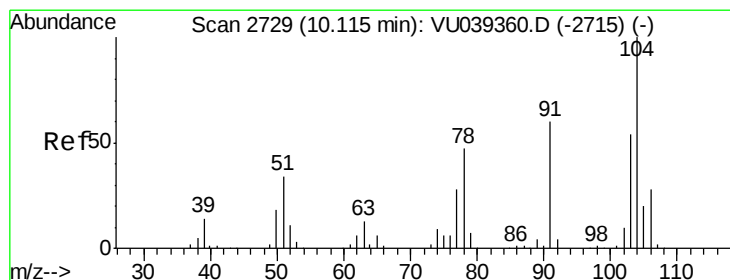
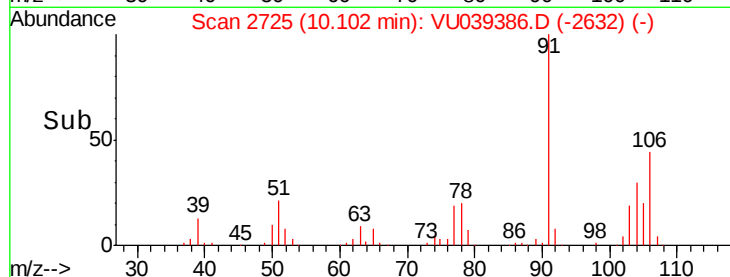
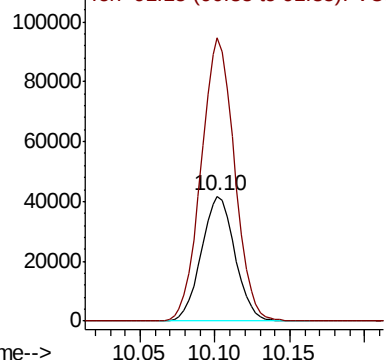
#54
o-Xylene
Concen: 4.914 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion:106 Resp: 65339
Ion Ratio Lower Upper
106 100
91 226.3 154.6 287.2

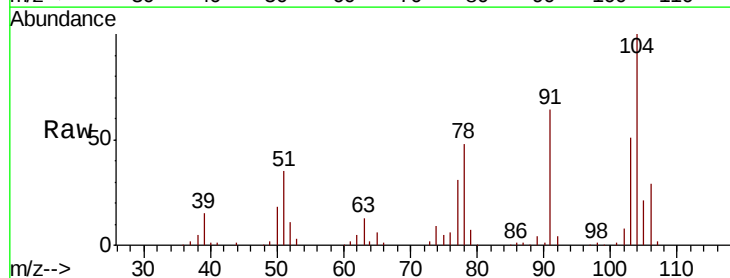


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

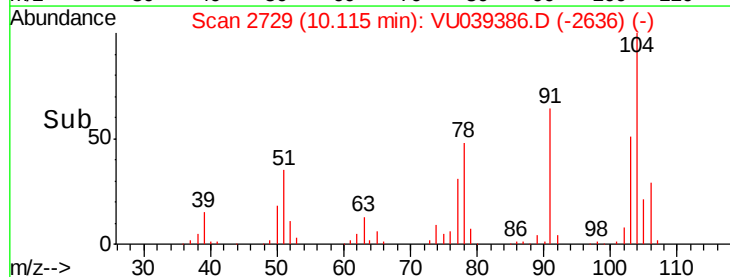
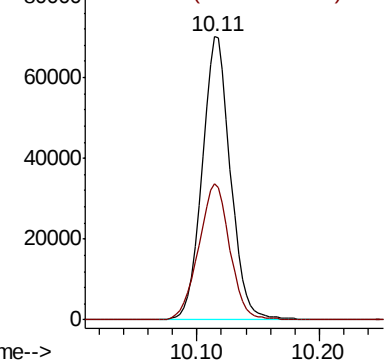


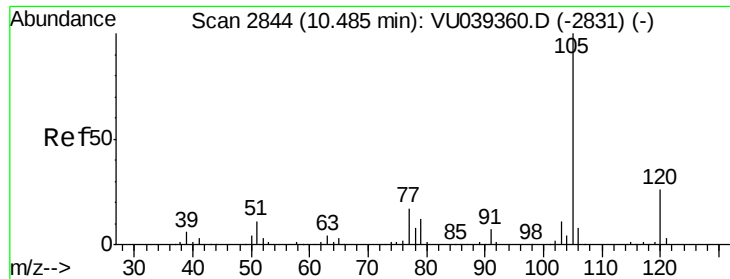
#55
Styrene
Concen: 4.885 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039386.D
Acq: 09 Jul 2020 10:09

Tgt Ion:104 Resp: 113006
Ion Ratio Lower Upper
104 100
78 48.2 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.937 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

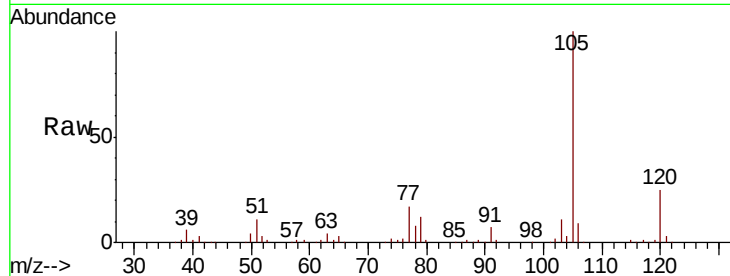
Tot Ion:105 Resp: 177521

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

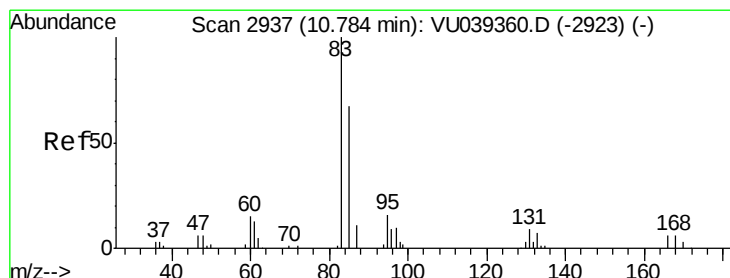
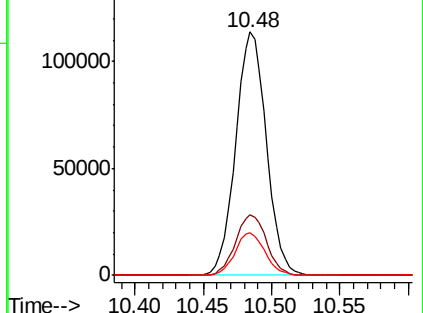
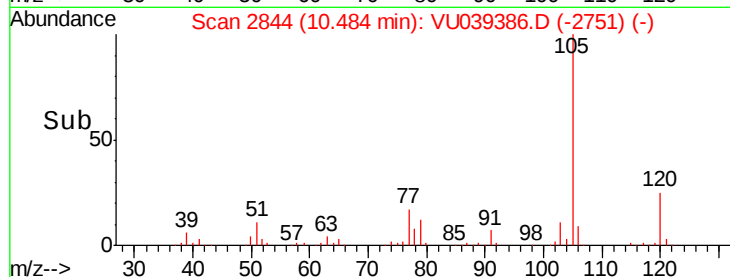
77 17.2 13.9 20.9



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: 4.736 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

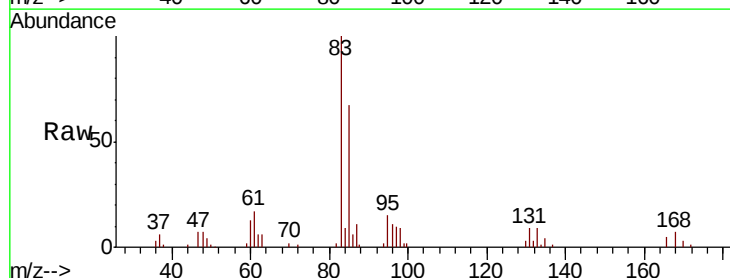
Tgt Ion: 83 Resp: 39536

Ion Ratio Lower Upper

83 100

85 66.6 46.1 85.7

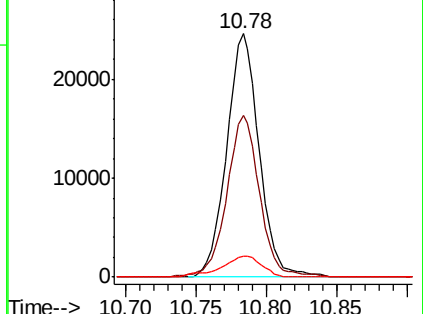
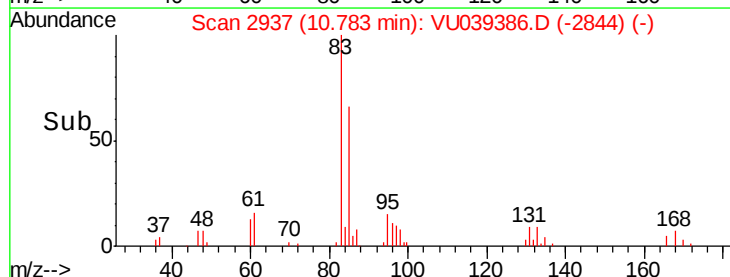
131 8.7 7.4 11.0

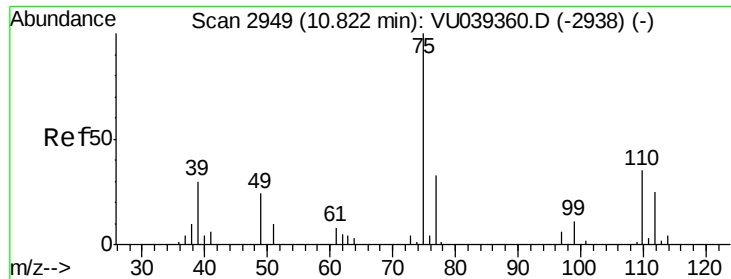


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.826 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

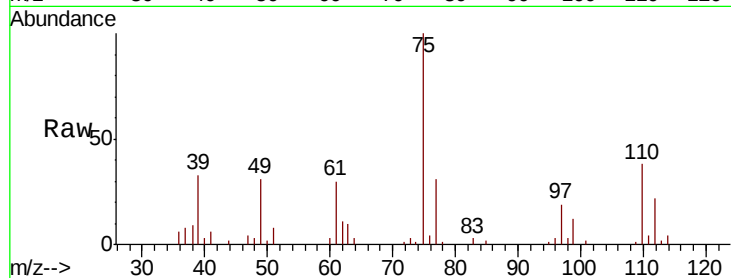
VSTD00511

Tot Ion: 75 Resp: 29696

Ion Ratio Lower Upper

75 100

77 32.3 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039386.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039386.D (-2938) (-)

10.82

20000

15000

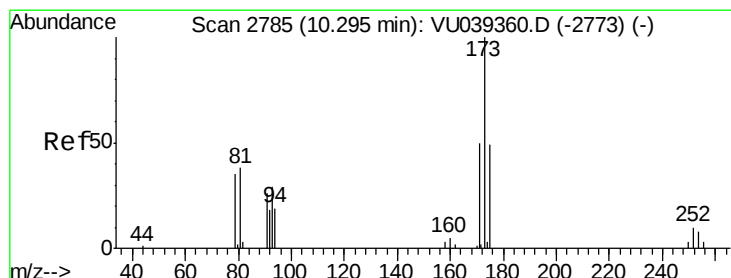
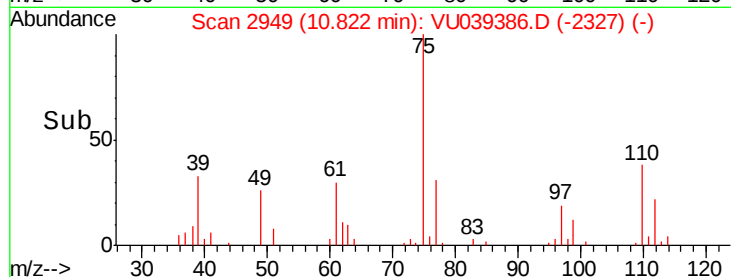
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 4.740 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

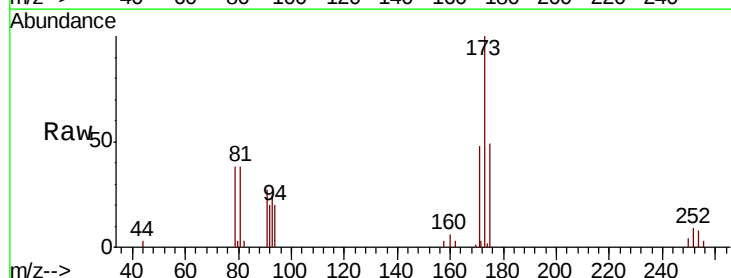
Tgt Ion:173 Resp: 20328

Ion Ratio Lower Upper

173 100

175 47.5 37.5 56.3

254 8.3 6.7 10.1



Abundance Ion 172.90 (172.60 to 173.60): VU039386.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VU039386.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VU039386.D (-2692) (-)

10.29

15000

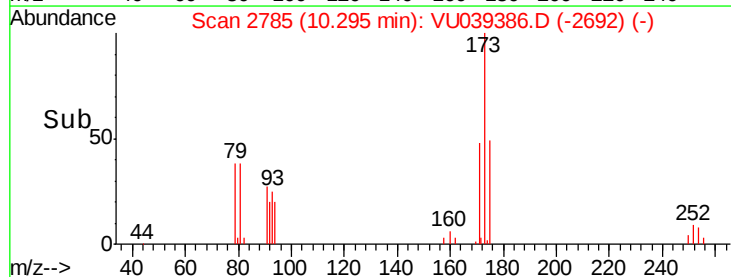
10000

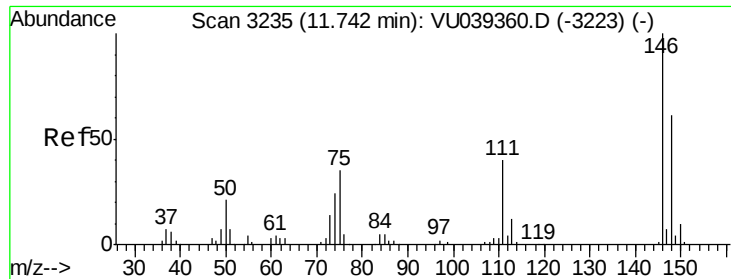
5000

0

Time-->

10.25 10.30 10.35

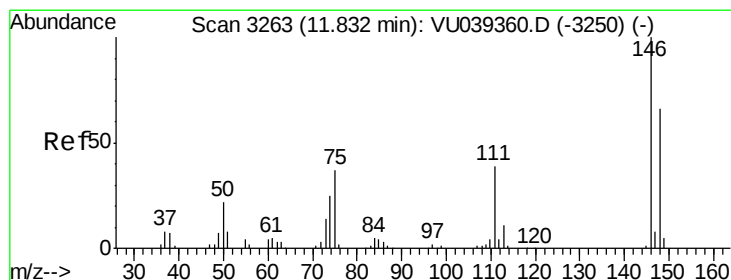
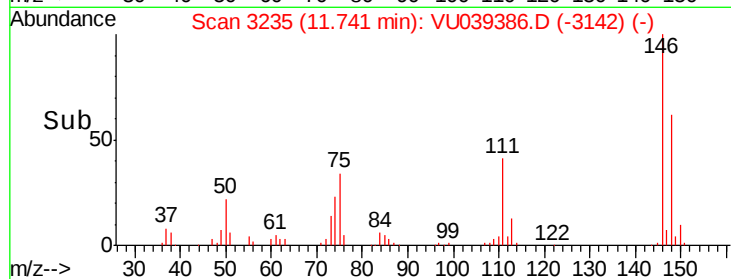
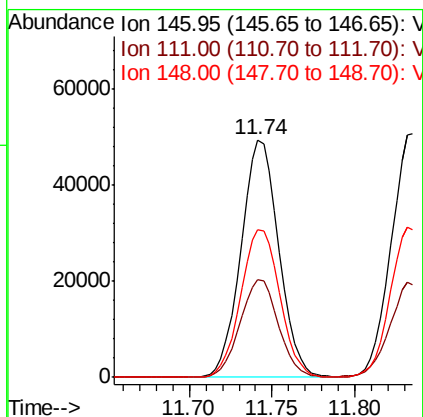
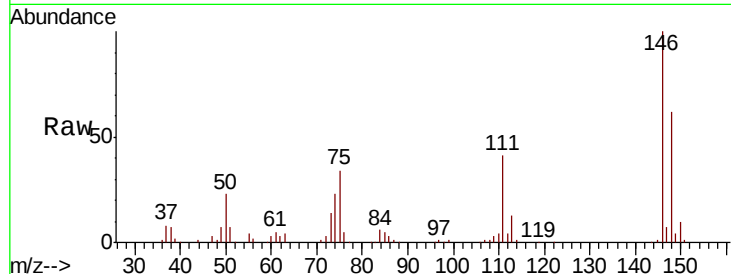




#62
 1,3-Dichlorobenzene
 Concen: 4.911 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

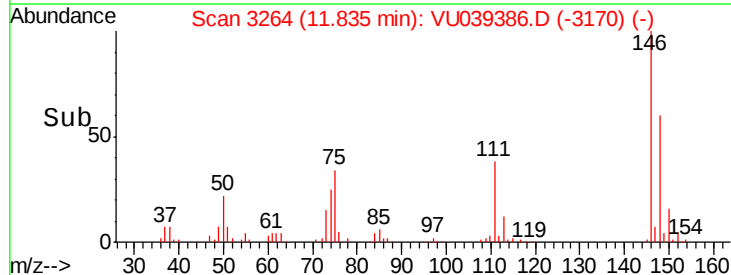
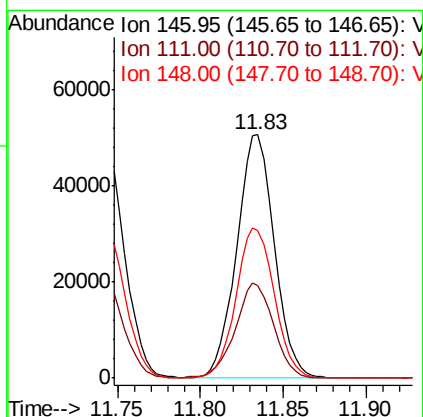
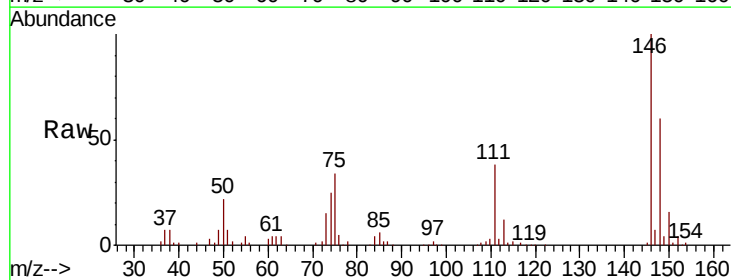
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

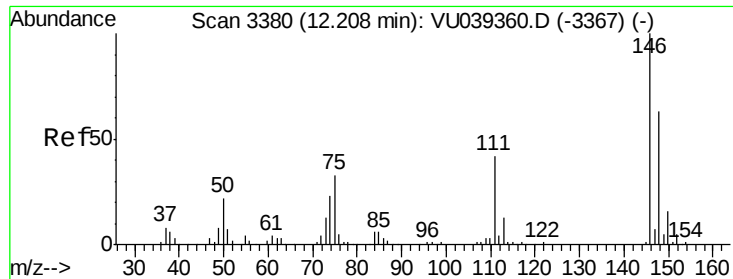
Tot Ion:146 Resp: 78313
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.0 53.8
 148 62.4 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.995 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion:146 Resp: 79904
 Ion Ratio Lower Upper
 146 100
 111 37.9 28.6 53.0
 148 60.4 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.780 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

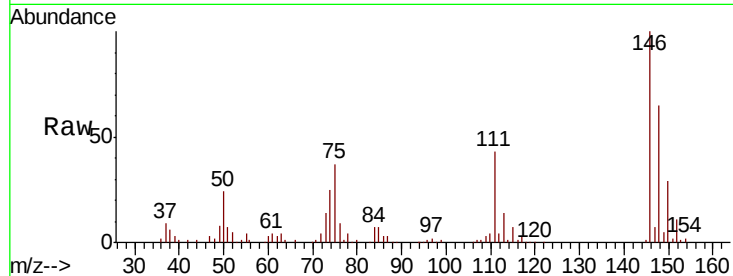
Tot Ion:146 Resp: 76408

Ion Ratio Lower Upper

146 100

111 43.1 35.0 52.4

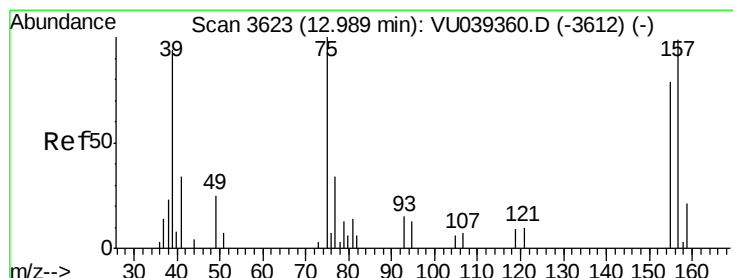
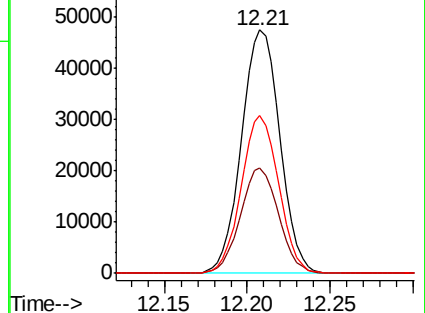
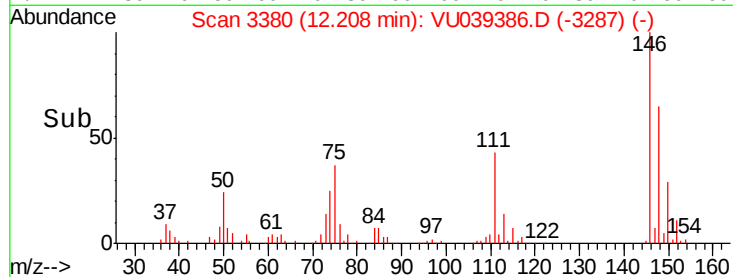
148 64.6 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.959 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

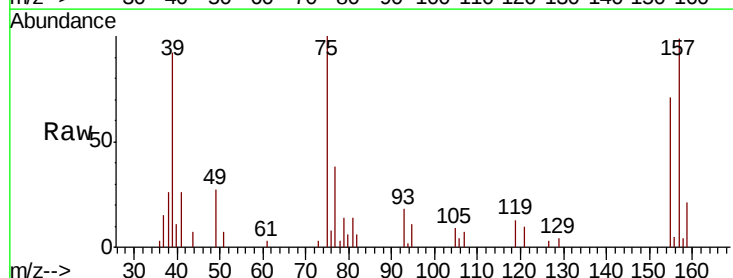
Tgt Ion: 75 Resp: 7002

Ion Ratio Lower Upper

75 100

155 70.7 51.9 77.9

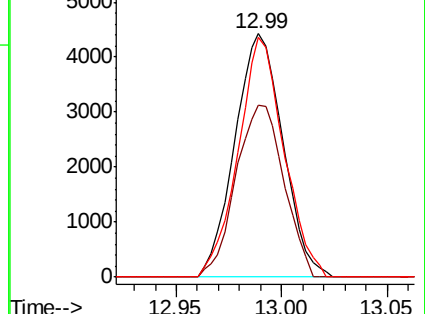
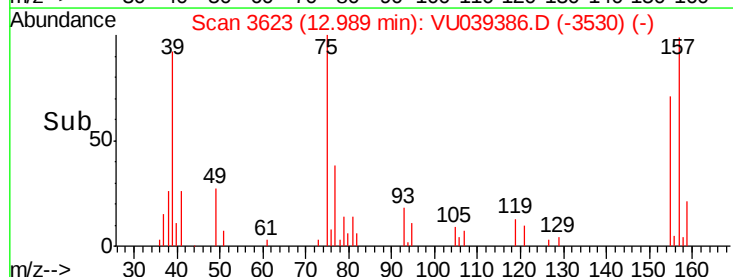
157 98.7 63.2 94.8#

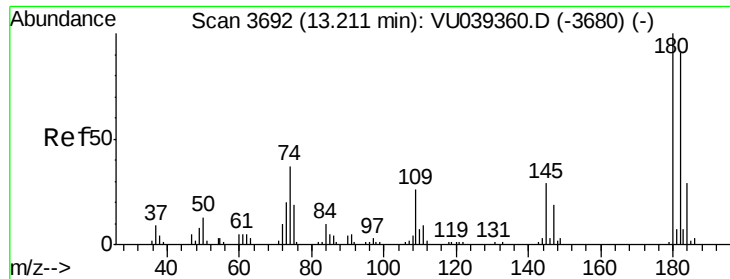


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

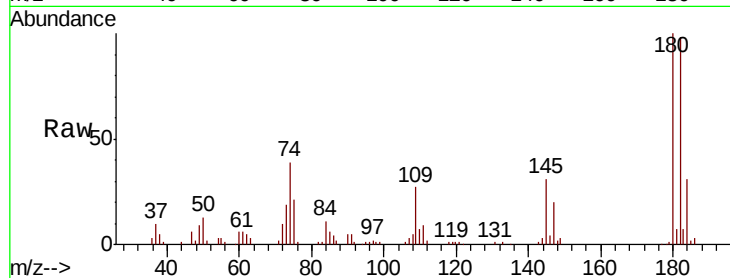




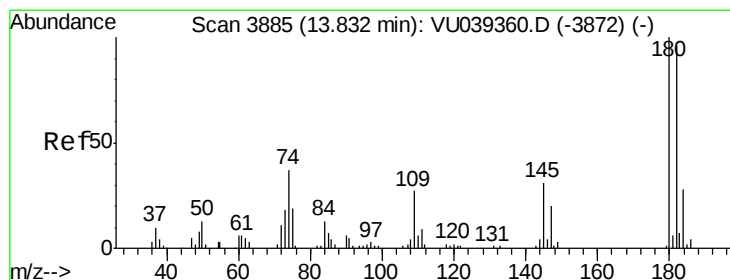
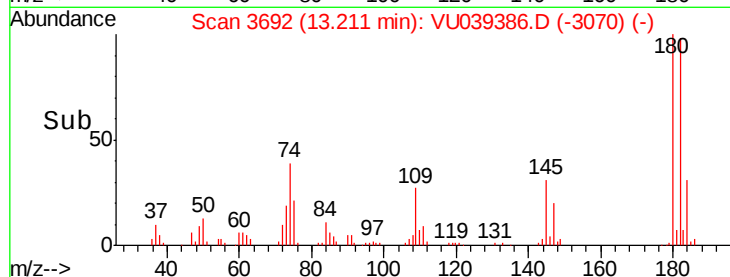
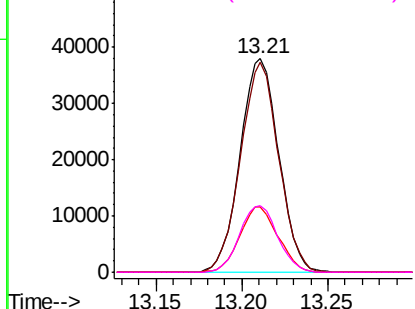
#67
 1,3,5-Trichlorobenzene
 Concen: 4.969 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion:180 Resp: 59291
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.2 114.4
 184 30.1 24.2 36.4
 145 30.6 24.2 36.2

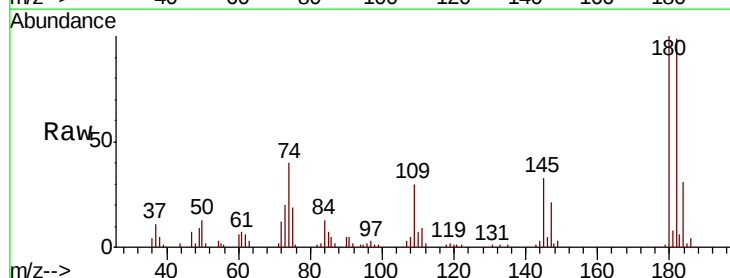


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

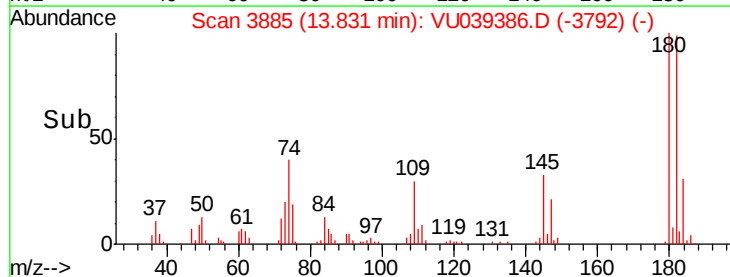
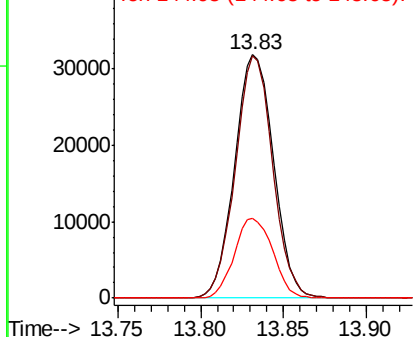


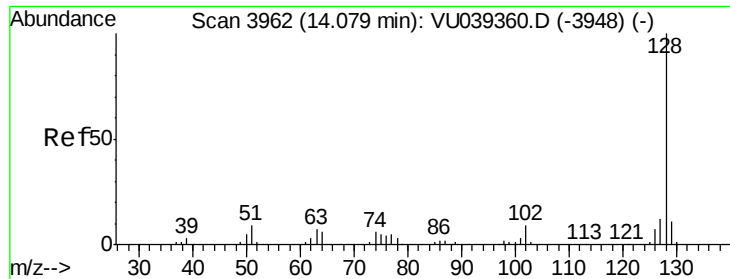
#68
 1,2,4-trichlorobenzene
 Concen: 5.088 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039386.D
 Acq: 09 Jul 2020 10:09

Tgt Ion:180 Resp: 51960
 Ion Ratio Lower Upper
 180 100
 182 95.7 79.4 119.2
 145 32.3 26.4 39.6



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: 4.768 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

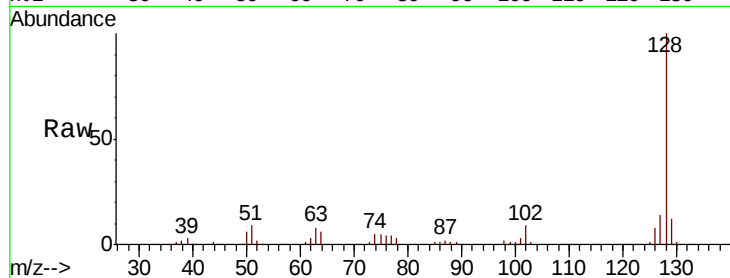
Tot Ion:128 Resp: 97961

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

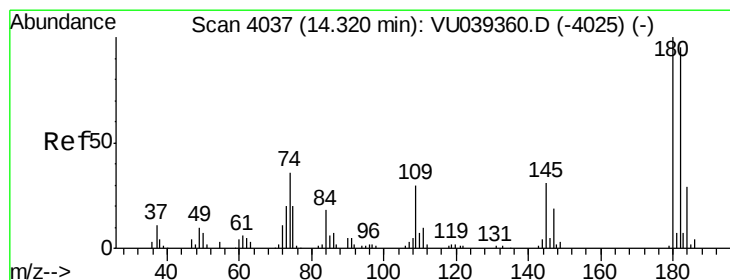
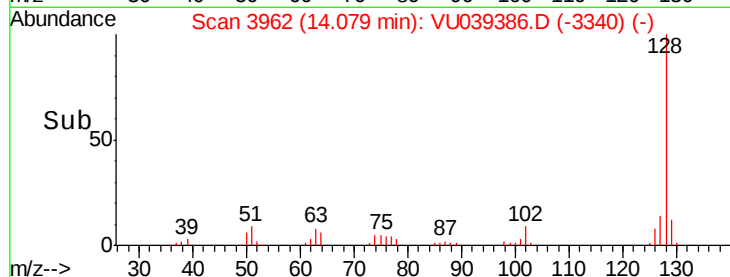
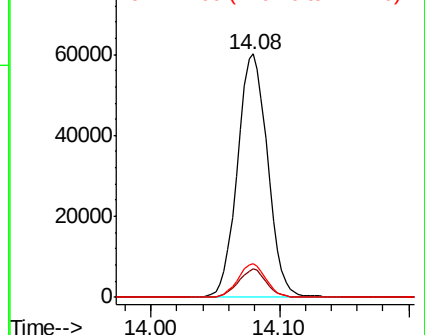
127 12.9 10.4 15.6



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: 4.998 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039386.D

Acq: 09 Jul 2020 10:09

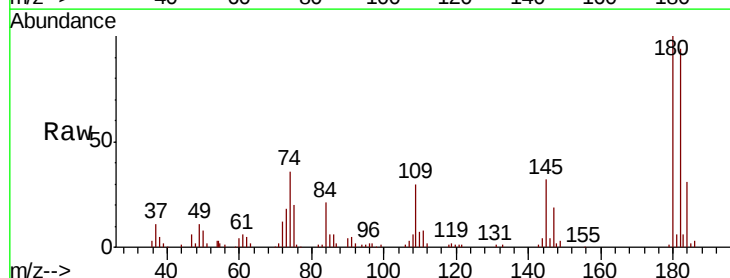
Tgt Ion:180 Resp: 47289

Ion Ratio Lower Upper

180 100

182 94.6 74.2 111.2

145 32.2 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

