

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039799.D
 Acq On : 08 Aug 2020 09:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 00:40:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76120	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74158	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16973	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	17278	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.58	63	38283	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.66	46	101663	56.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.46%
24) Chloroform-d	5.08	84	48118	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	29192	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.74	84	78052	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	28699	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.91	98	64801	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	11028	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	72507	57.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.68%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30141	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	31682	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32881	5.357	ug/L 99
3) Chloromethane	1.53	50	31589	4.893	ug/L 93
5) Vinyl chloride	1.61	62	33525	5.417	ug/L 98
6) Bromomethane	1.87	94	16221	4.142	ug/L 98
8) Chloroethane	1.94	64	20611	4.541	ug/L 90
9) Trichlorofluoromethane	2.15	101	53099	5.517	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29445	5.638	ug/L 95
12) 1,1-Dichloroethene	2.59	96	25925	5.710	ug/L 87
13) Acetone	2.67	43	52217	48.994	ug/L 71
14) Carbon disulfide	2.81	76	73851	5.202	ug/L 97
15) Methyl Acetate	2.97	43	13457	5.120	ug/L 99
16) Methylene chloride	3.06	84	29381	4.013	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	63494	5.266	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	26624	5.267	ug/L 95
19) 1,1-Dichloroethane	3.89	63	49091	5.260	ug/L 99
21) 2-Butanone	4.74	43	93084	55.421	ug/L 95
22) cis-1,2-Dichloroethene	4.68	96	29443	5.355	ug/L 96

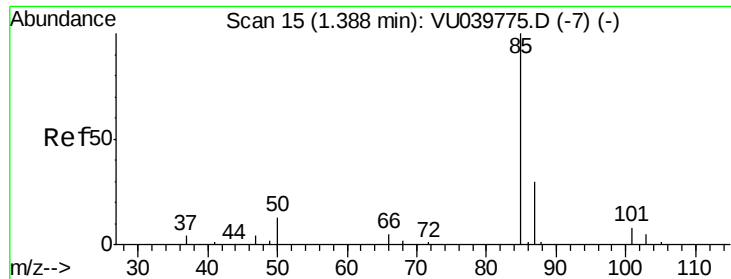
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	13735	5.318	ug/L	98
25) Chloroform	5.11	83	52490	5.232	ug/L	93
27) 1,2-Dichloroethane	5.81	62	36774	5.319	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	44591	5.391	ug/L	97
30) Cyclohexane	5.40	56	41593	5.225	ug/L	98
31) Carbon tetrachloride	5.54	117	39169	5.161	ug/L	97
33) Benzene	5.79	78	108941	5.392	ug/L	100
34) Trichloroethene	6.55	95	28044	5.344	ug/L	97
35) Methylcyclohexane	6.77	83	42205	5.039	ug/L	95
37) 1,2-Dichloropropane	6.80	63	28716	5.351	ug/L	98
38) Bromodichloromethane	7.11	83	37133	5.289	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	39918	5.454	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	209826	52.321	ug/L	98
42) Toluene	7.98	91	112169	5.283	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	35168	5.334	ug/L	93
45) 1,1,2-Trichloroethane	8.41	97	22092	5.473	ug/L	94
47) Tetrachloroethene	8.56	164	22886	5.287	ug/L	95
48) 2-Hexanone	8.69	43	155407	53.664	ug/L	97
49) Dibromochloromethane	8.82	129	26582	5.366	ug/L	99
50) 1,2-Dibromoethane	8.93	107	20638	5.214	ug/L	96
51) Chlorobenzene	9.45	112	74308	5.208	ug/L	98
52) Ethylbenzene	9.57	91	122054	5.136	ug/L	98
53) m,p-Xylene	9.69	106	48829	5.396	ug/L	98
54) o-Xylene	10.10	106	45663	5.153	ug/L	93
55) Styrene	10.11	104	81078	5.433	ug/L	100
56) Isopropylbenzene	10.48	105	119991	5.067	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	28299	5.096	ug/L	93
59) 1,2,3-Trichloropropane	10.82	75	20670	5.340	ug/L	100
61) Bromoform	10.29	173	13658	5.207	ug/L	90
62) 1,3-Dichlorobenzene	11.74	146	62693	5.518	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	63445	5.297	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	59278	5.295	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4459	5.269	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	45465	5.280	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	37360	5.177	ug/L	98
69) Naphthalene	14.08	128	65912	5.109	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	35769	5.525	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.357 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

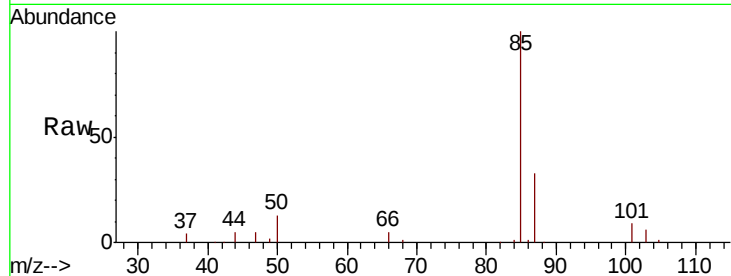
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 32881

Ion Ratio Lower Upper

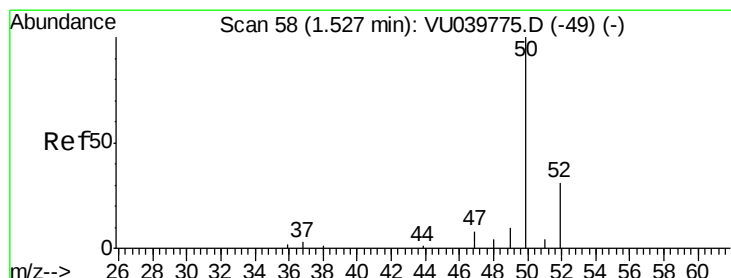
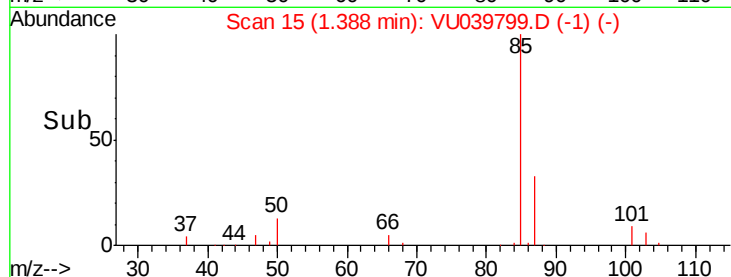
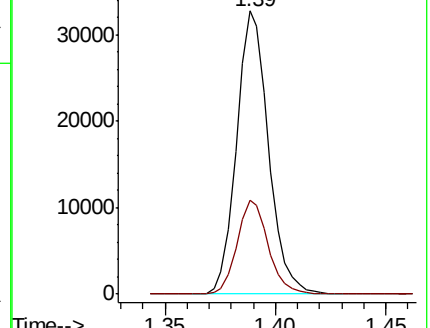
85 100

87 32.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU039775.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU039775.D (-7) (-)



#3

Chloromethane

Concen: 4.893 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039799.D

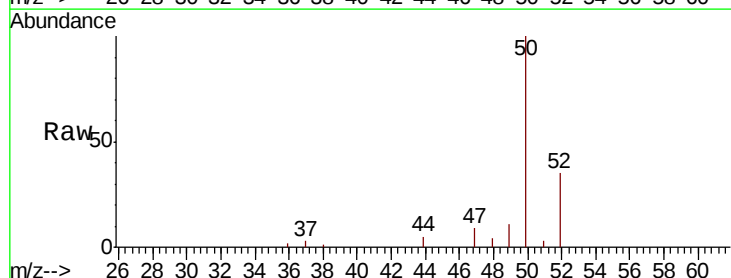
Acq: 08 Aug 2020 09:46

Tgt Ion: 50 Resp: 31589

Ion Ratio Lower Upper

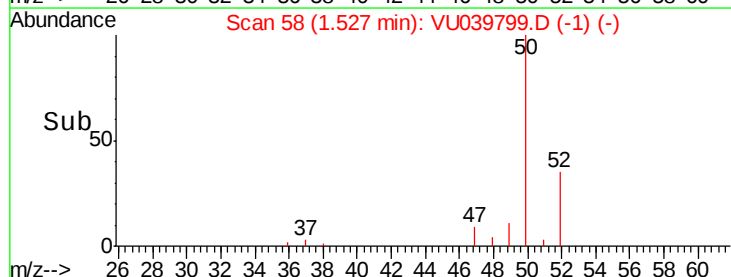
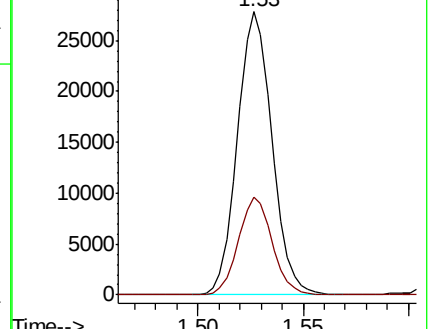
50 100

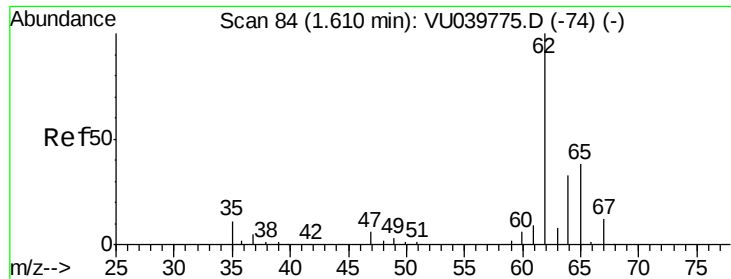
52 34.6 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039775.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039775.D (-49) (-)





#5

Vinyl chloride

Concen: 5.417 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

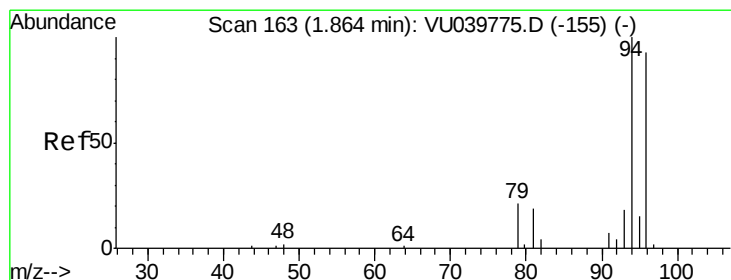
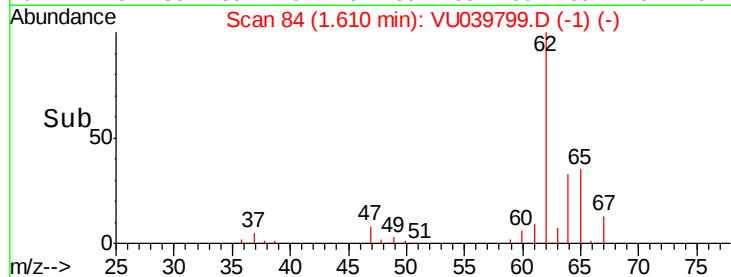
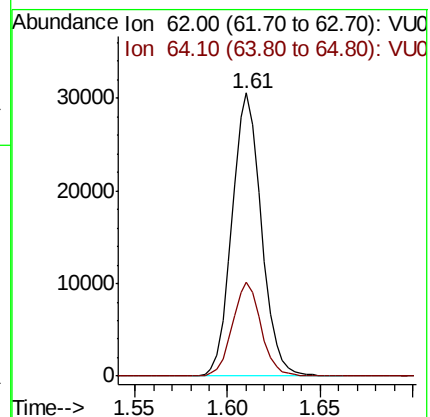
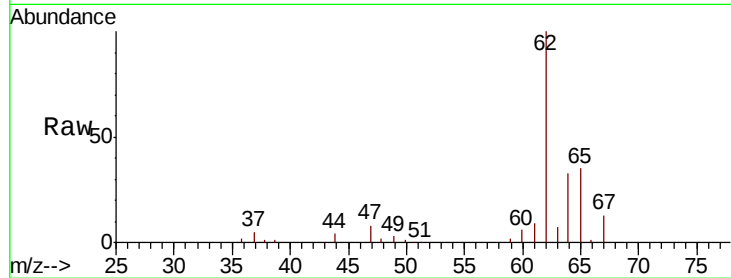
ClientSampleId :

Tot Ion: 62 Resp: 33525

Ion Ratio Lower Upper

62 100

64 33.3 24.1 44.7



#6

Bromomethane

Concen: 4.142 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039799.D

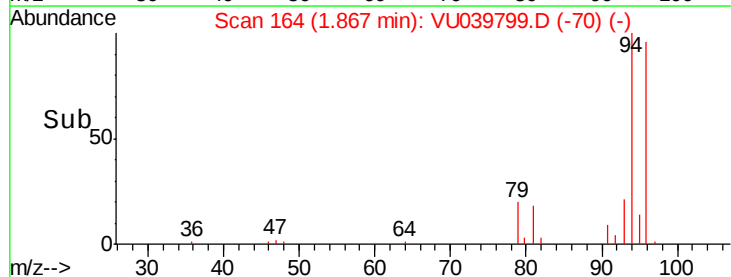
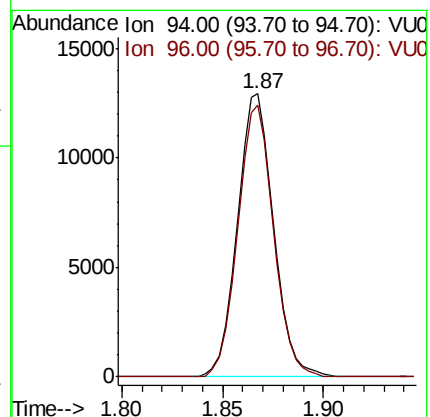
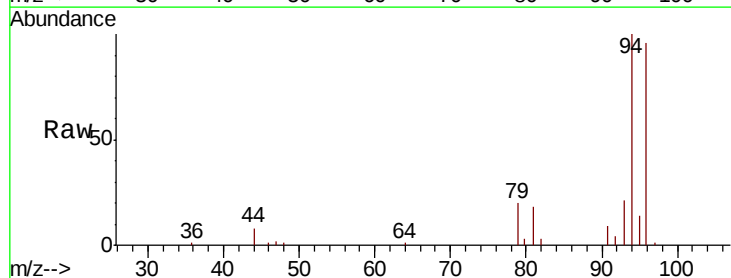
Acq: 08 Aug 2020 09:46

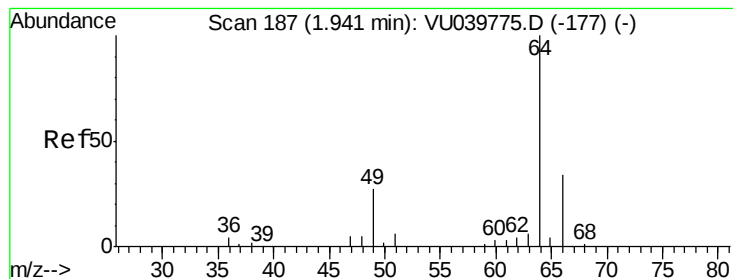
Tgt Ion: 94 Resp: 16221

Ion Ratio Lower Upper

94 100

96 95.9 65.8 122.2





#8

Chloroethane

Concen: 4.541 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

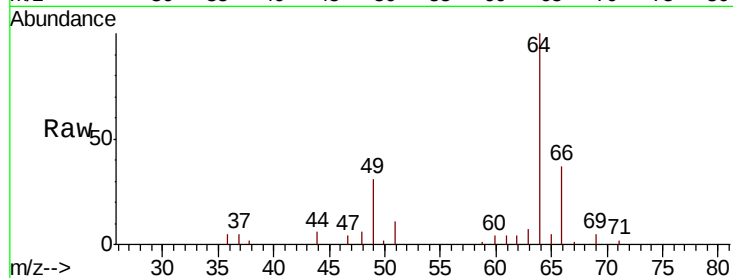
ClientSampleId :

Tot Ion: 64 Resp: 20611

Ion Ratio Lower Upper

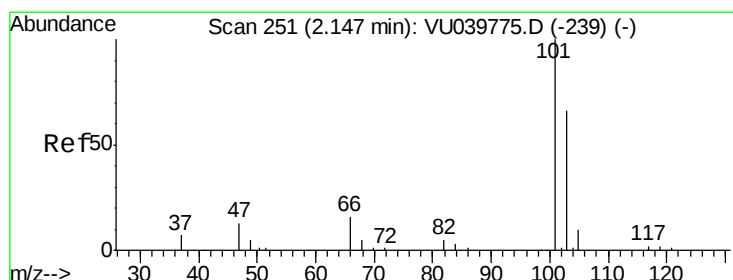
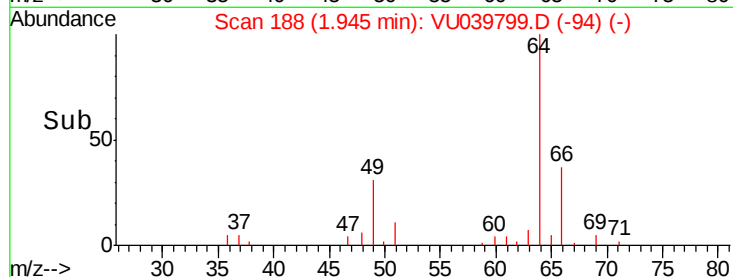
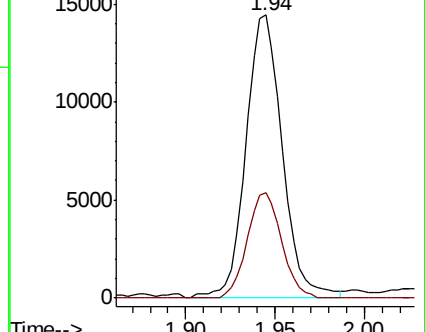
64 100

66 37.3 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VU039775.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039775.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.517 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039799.D

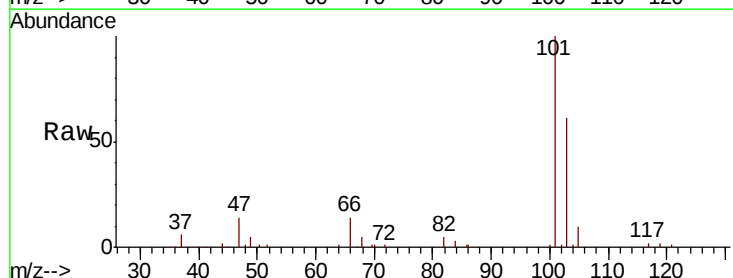
Acq: 08 Aug 2020 09:46

Tgt Ion:101 Resp: 53099

Ion Ratio Lower Upper

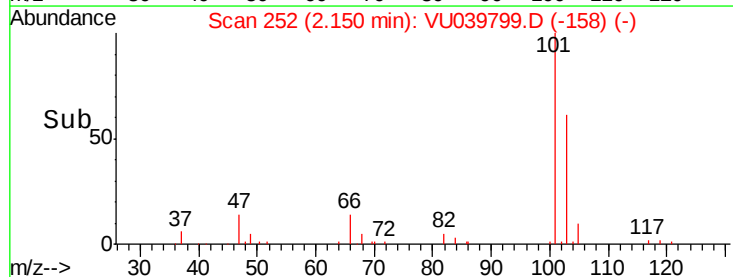
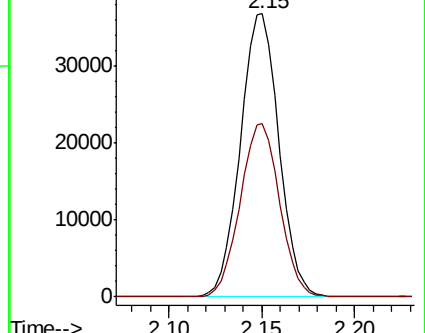
101 100

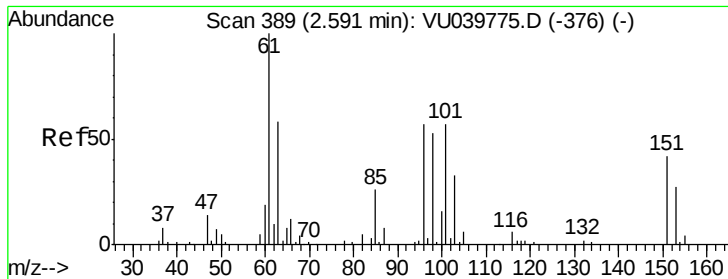
103 62.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039775.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU039775.D (-239) (-)





#10

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

Concen: 5.638 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

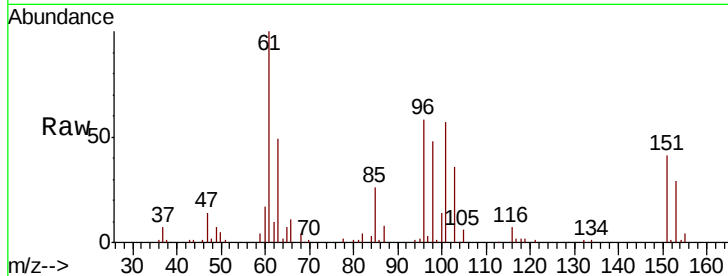
Tot Ion:101 Resp: 29445

Ion Ratio Lower Upper

101 100

85 44.8 37.9 56.9

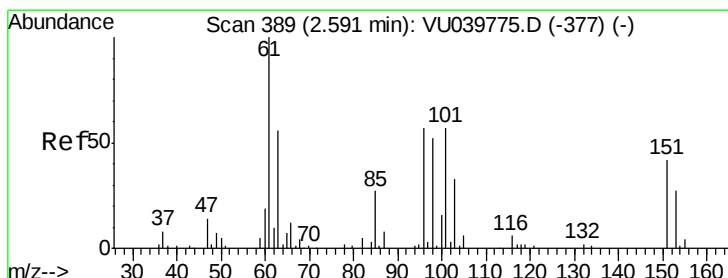
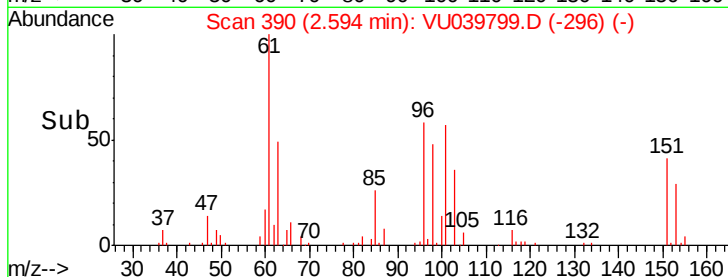
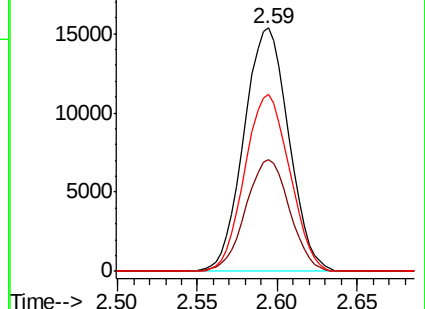
151 72.7 54.7 82.1



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: 5.710 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

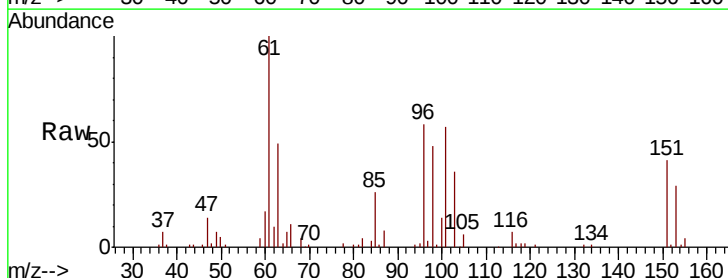
Tgt Ion: 96 Resp: 25925

Ion Ratio Lower Upper

96 100

61 172.2 121.7 225.9

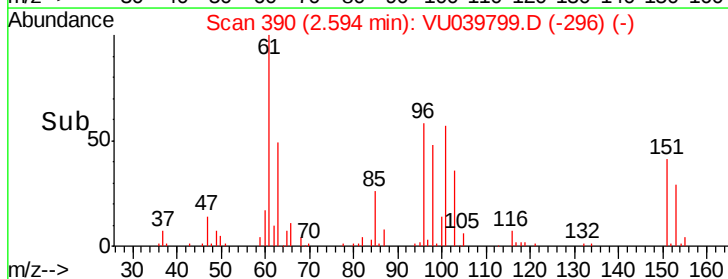
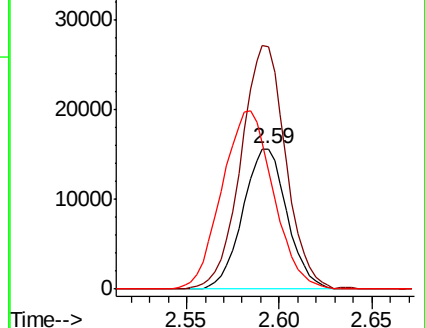
63 84.4 82.1 152.5

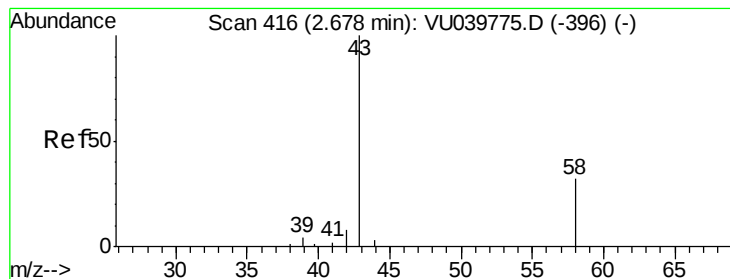


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.994 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

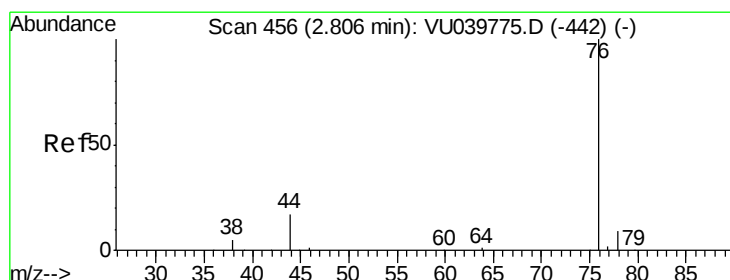
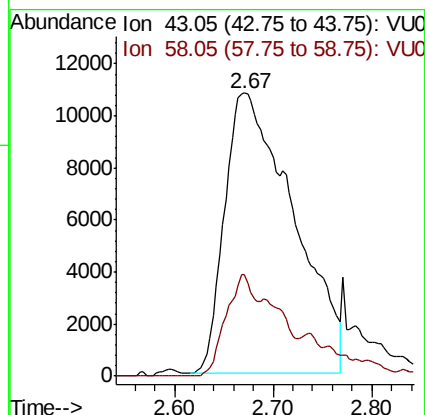
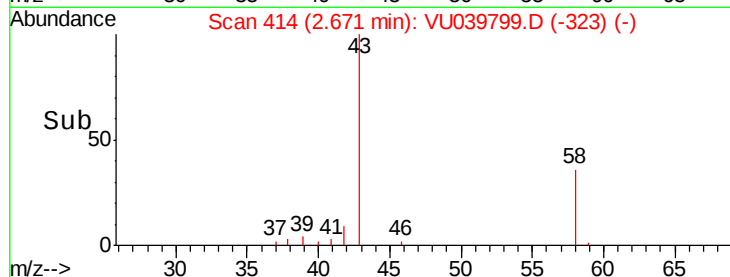
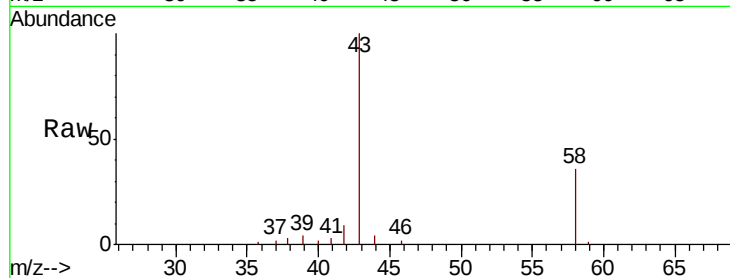
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 52217

Ion Ratio Lower Upper

43 100

58 15.1 0.0 61.8



#14

Carbon disulfide

Concen: 5.202 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039799.D

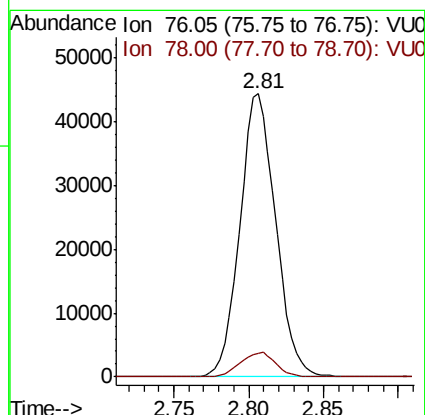
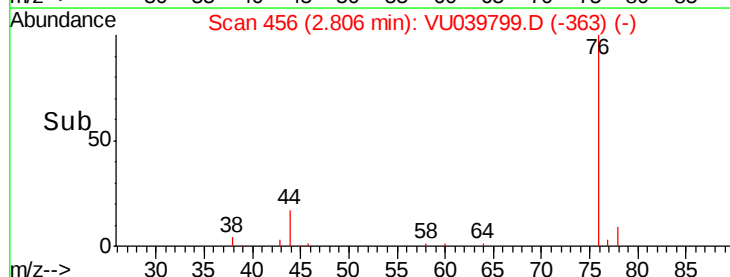
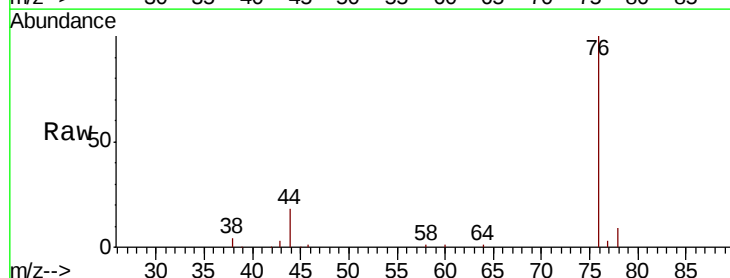
Acq: 08 Aug 2020 09:46

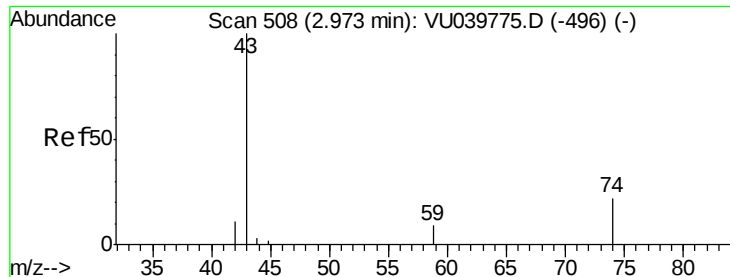
Tgt Ion: 76 Resp: 73851

Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.6





#15

Methyl Acetate

Concen: 5.120 ug/L

RT: 2.97 min Scan# 507

Delta R.T. -0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

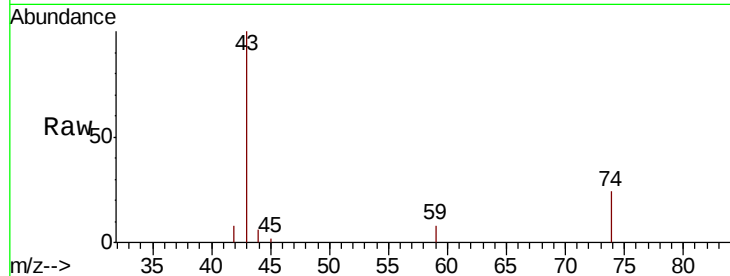
ClientSampled :

Tot Ion: 43 Resp: 13457

Ion Ratio Lower Upper

43 100

74 20.5 16.6 25.0

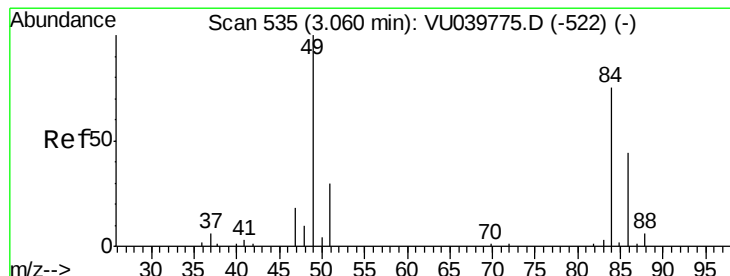
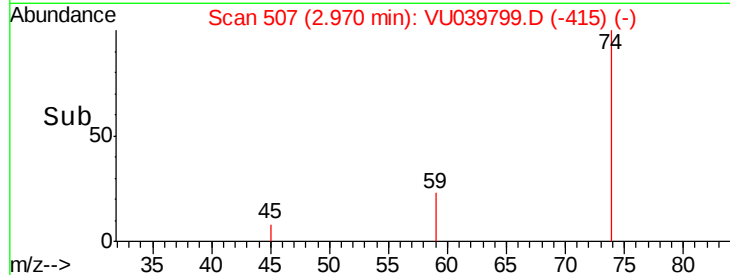


Abundance Ion 43.05 (42.75 to 43.75): VU039775.D (-496) (-)

Ion 74.05 (73.75 to 74.75): VU039775.D (-496) (-)

2.97

Time-->



#16

Methylene chloride

Concen: 4.013 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

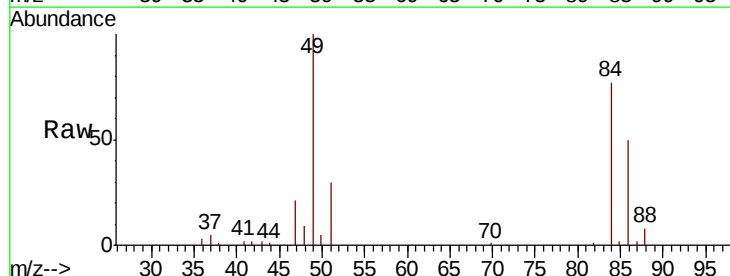
Tgt Ion: 84 Resp: 29381

Ion Ratio Lower Upper

84 100

86 65.9 43.9 81.5

49 130.6 94.4 175.4



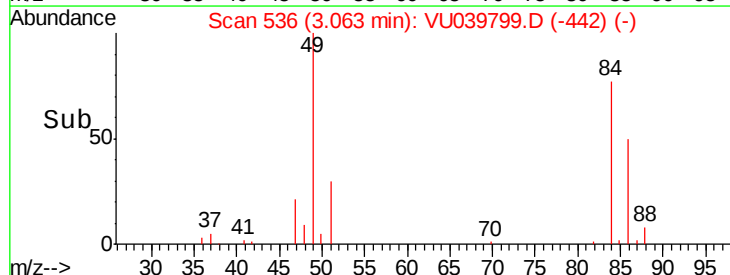
Abundance Ion 84.05 (83.75 to 84.75): VU039775.D (-522) (-)

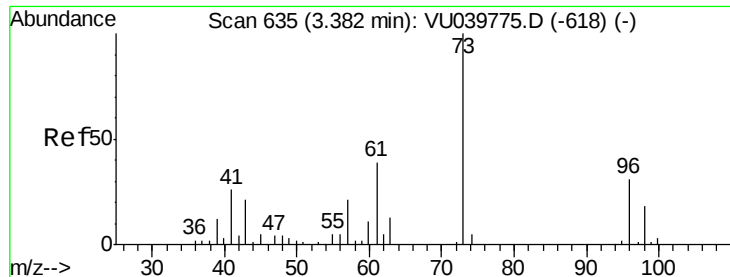
Ion 86.00 (85.70 to 86.70): VU039775.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039775.D (-522) (-)

3.06

Time-->

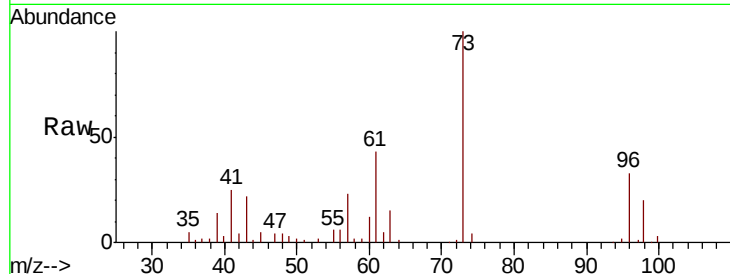




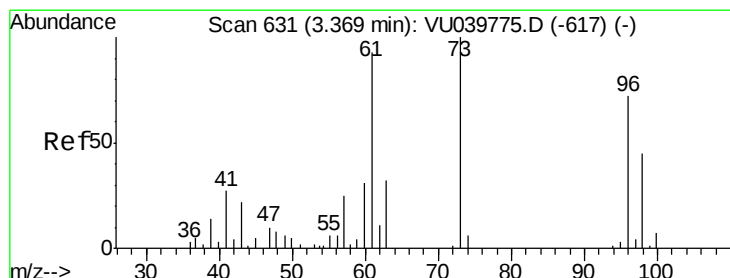
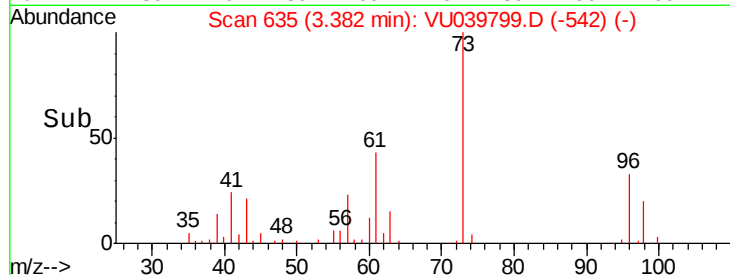
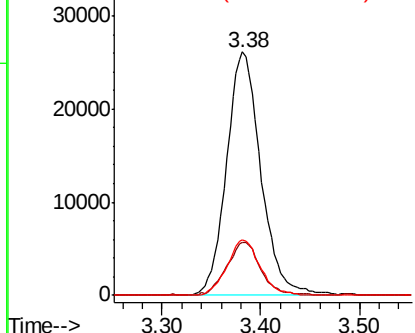
#17
Methvl tert-butvl Ether
Concen: 5.266 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 63494
Ion Ratio Lower Upper
73 100
43 21.7 18.2 27.4
57 21.8 17.8 26.8

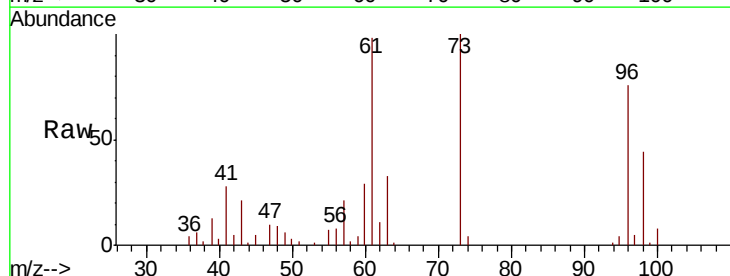


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

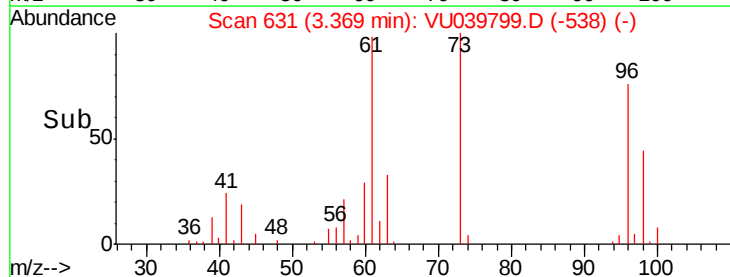
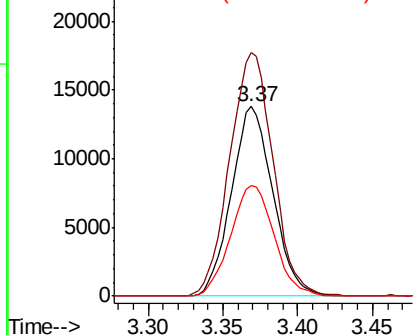


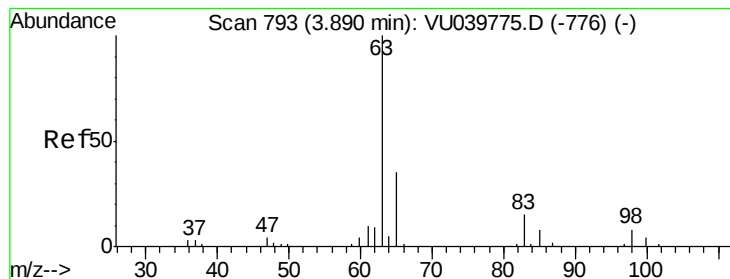
#18
trans-1,2-Dichloroethene
Concen: 5.267 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion: 96 Resp: 26624
Ion Ratio Lower Upper
96 100
61 128.6 96.5 179.1
98 58.3 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.260 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :

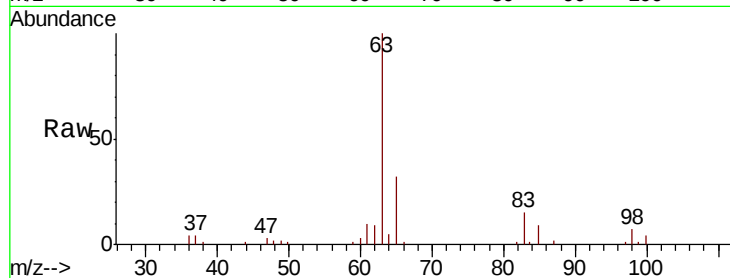
Tot Ion: 63 Resp: 49091

Ion Ratio Lower Upper

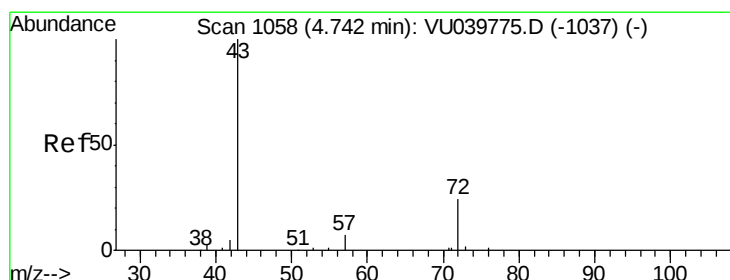
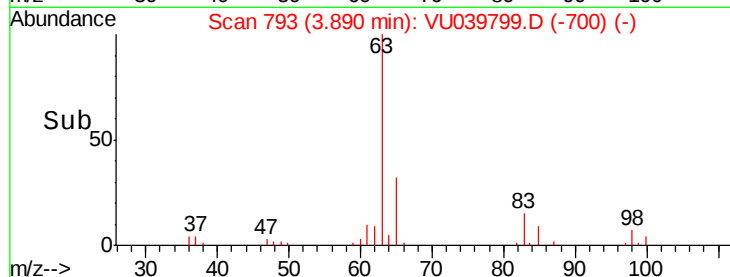
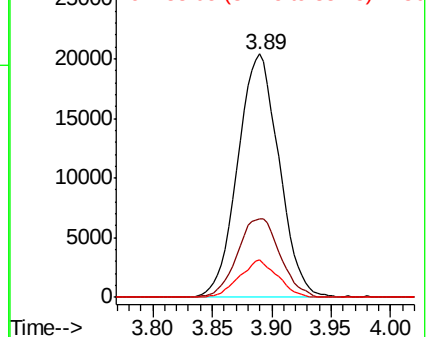
63 100

65 32.2 22.0 41.0

83 15.3 10.9 20.2



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: 55.421 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VU039799.D

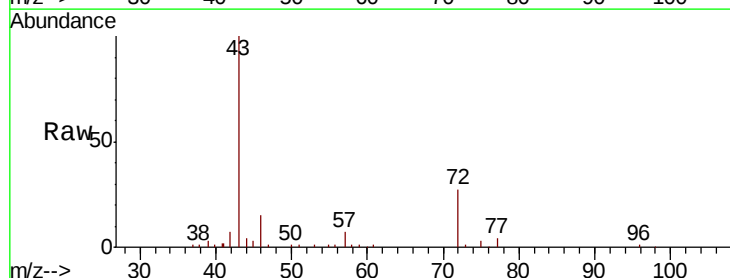
Acq: 08 Aug 2020 09:46

Tgt Ion: 43 Resp: 93084

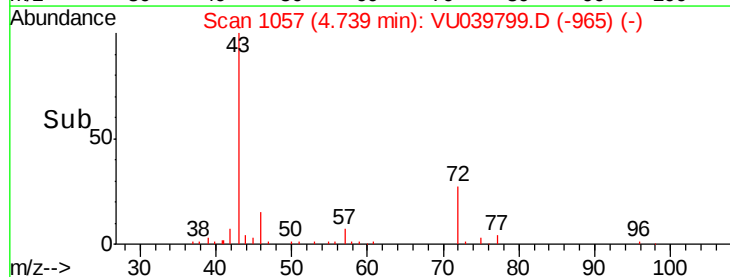
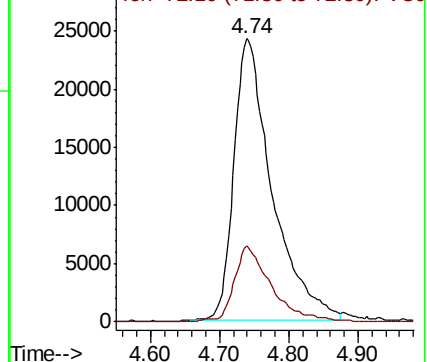
Ion Ratio Lower Upper

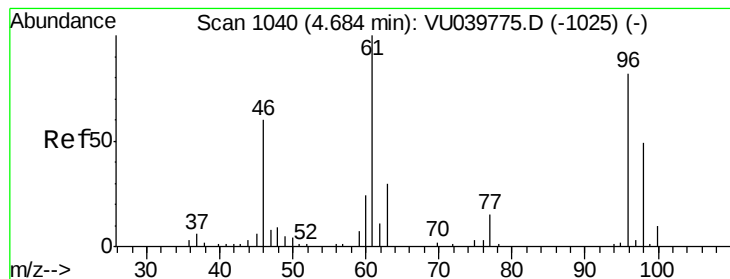
43 100

72 23.3 13.0 39.0



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





#22

cis-1,2-Dichloroethene

Concen: 5.355 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

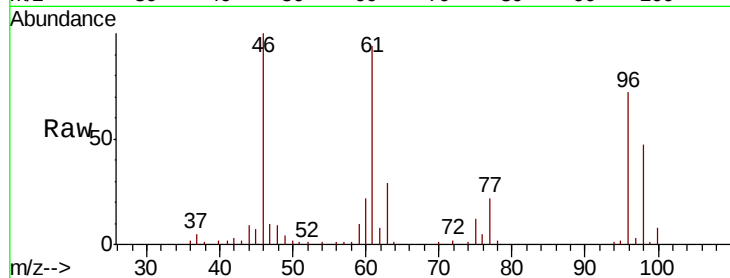
Tot Ion: 96 Resp: 29443

Ion Ratio Lower Upper

96 100

61 129.7 87.4 162.2

68 0.0 0.0 0.0

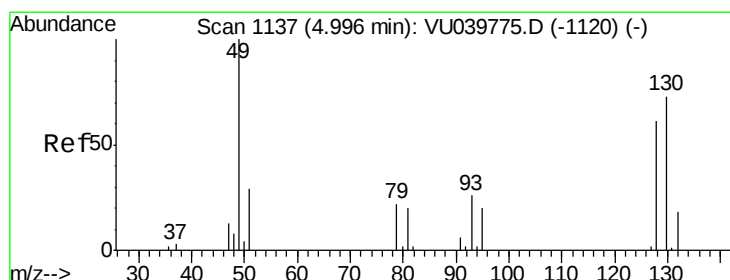
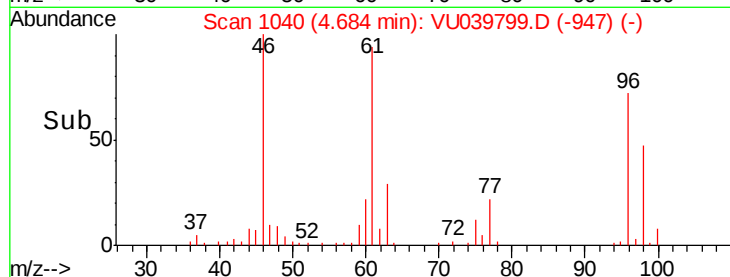
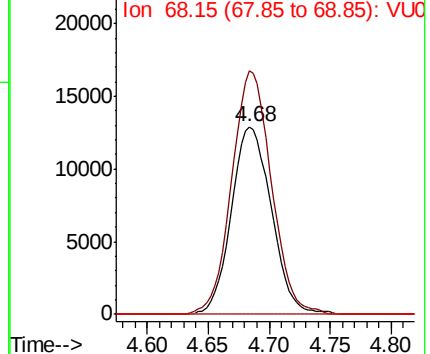


Abundance

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: 5.318 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Tgt Ion: 128 Resp: 13735

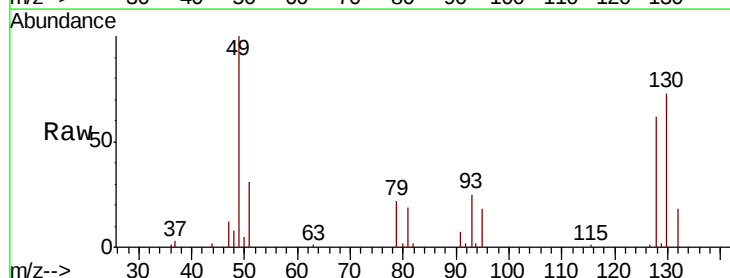
Ion Ratio Lower Upper

128 100

49 160.7 110.3 204.9

130 117.9 82.0 152.4

51 49.7 40.8 61.2



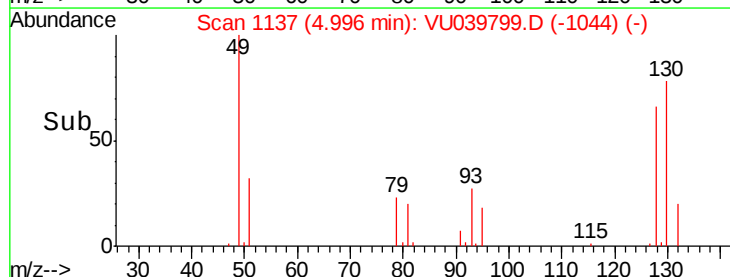
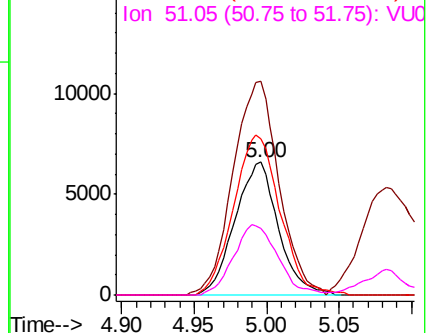
Abundance

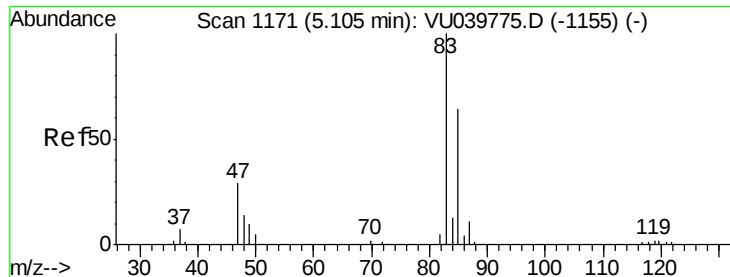
Ion 127.90 (127.60 to 128.60): V

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

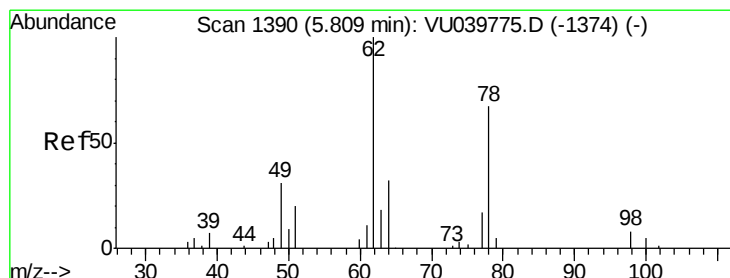
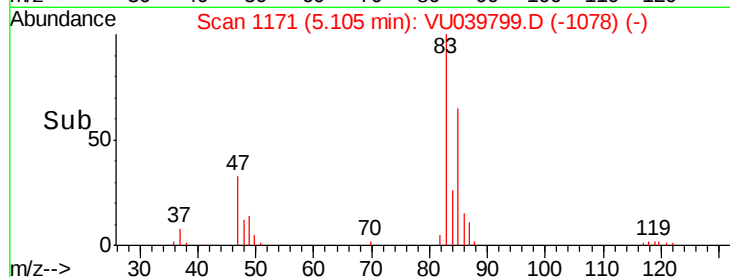
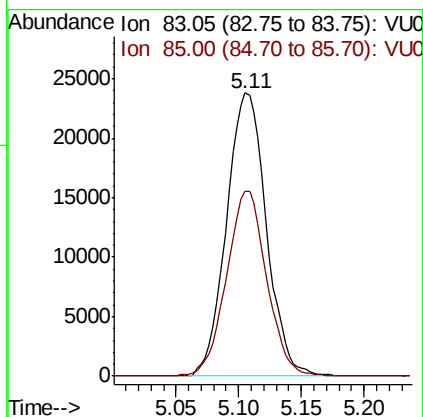
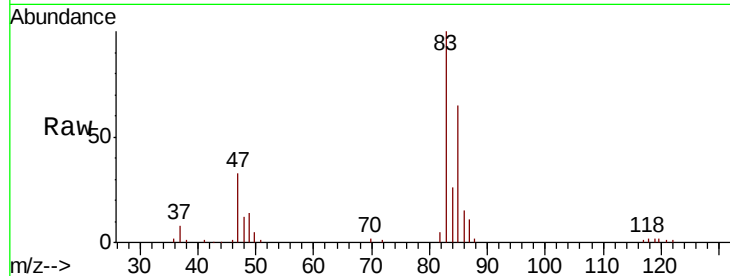




#25
Chloroform
Concen: 5.232 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

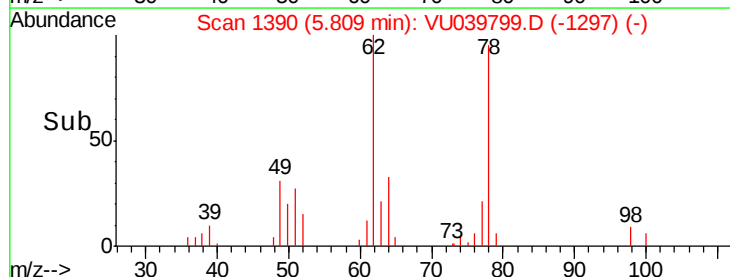
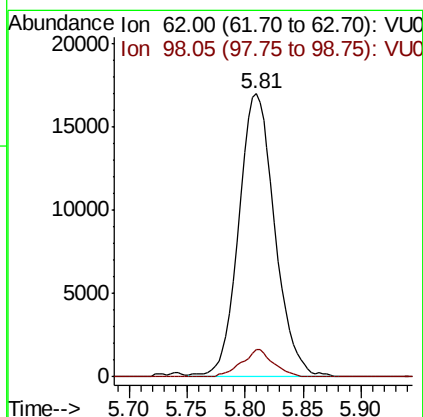
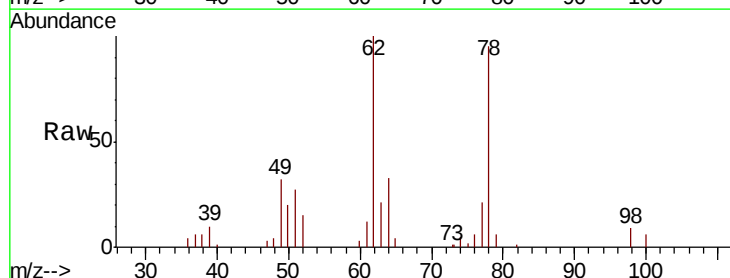
Instrument :
MSVOA_U
ClientSampled :

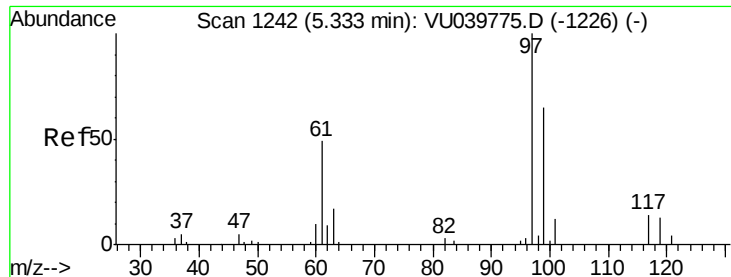
Tot Ion: 83 Resp: 52490
Ion Ratio Lower Upper
83 100
85 65.4 42.1 78.3



#27
1,2-Dichloroethane
Concen: 5.319 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion: 62 Resp: 36774
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

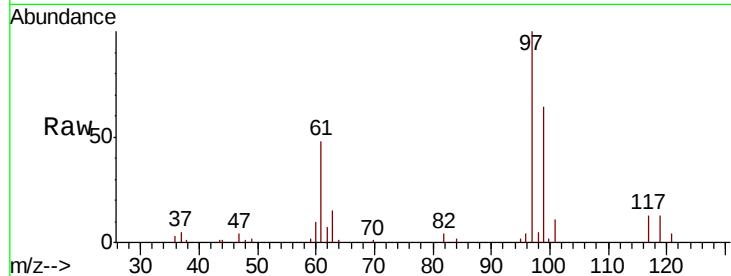




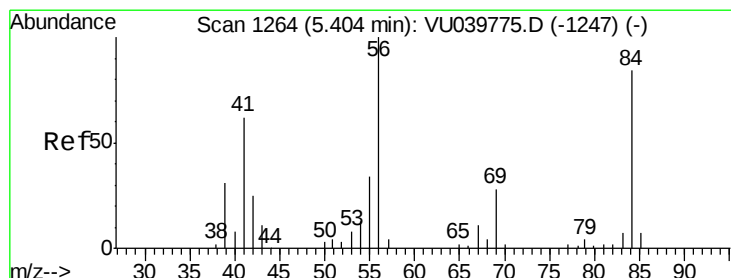
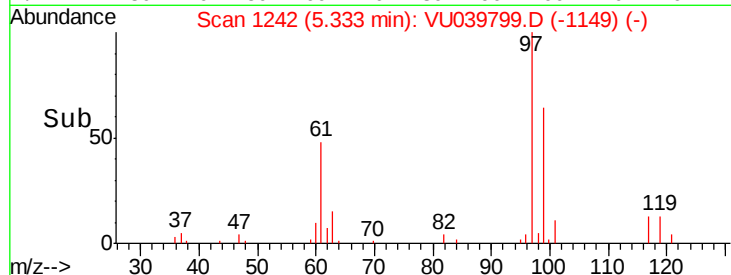
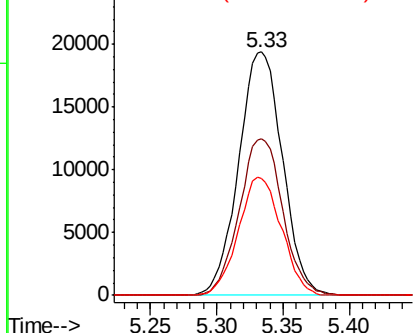
#29
1,1,1-Trichloroethane
Concen: 5.391 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 44591
Ion Ratio Lower Upper
97 100
99 63.9 52.8 79.2
61 47.8 40.5 60.7

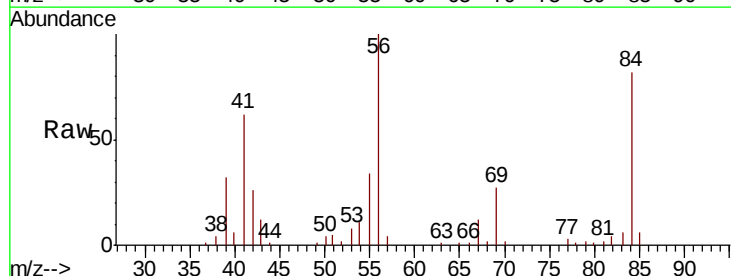


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

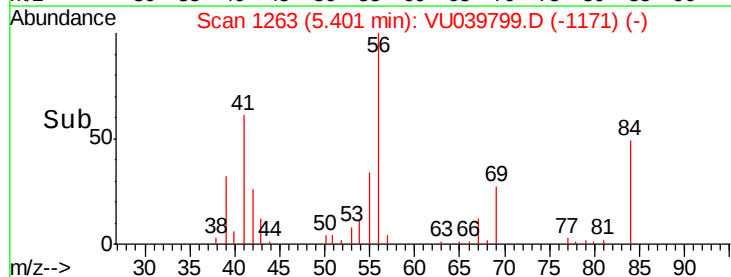
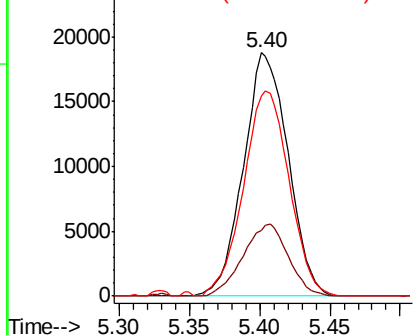


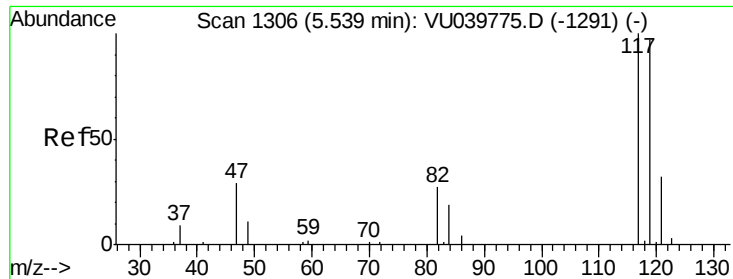
#30
Cyclohexane
Concen: 5.225 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion: 56 Resp: 41593
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 86.3 71.3 106.9



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

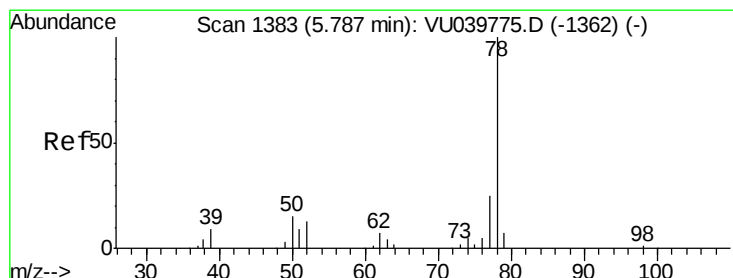
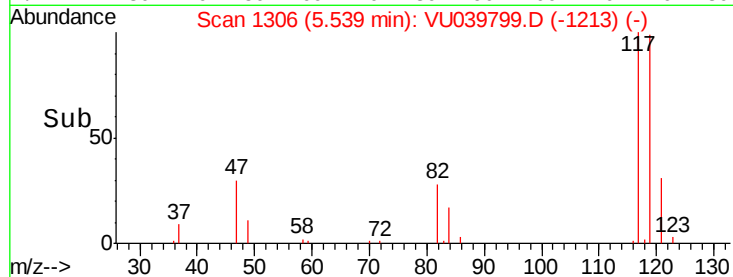
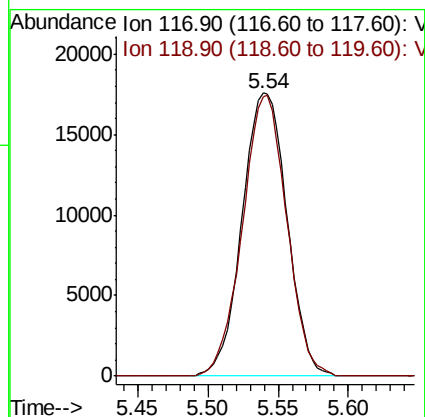
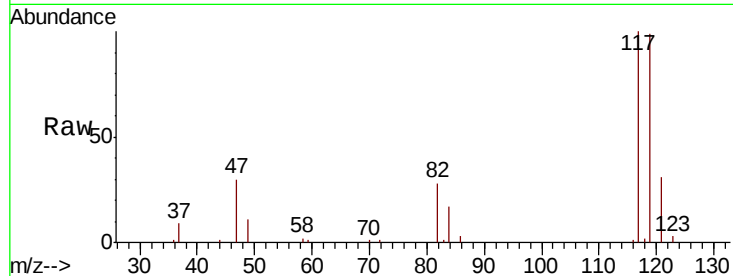




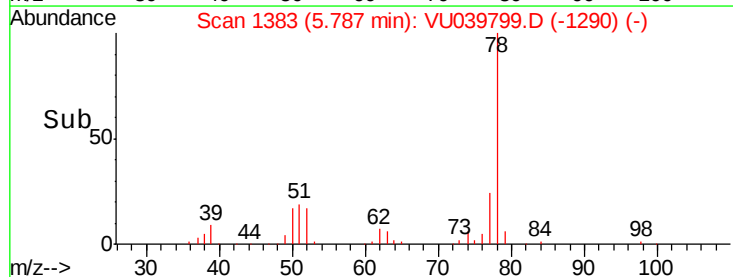
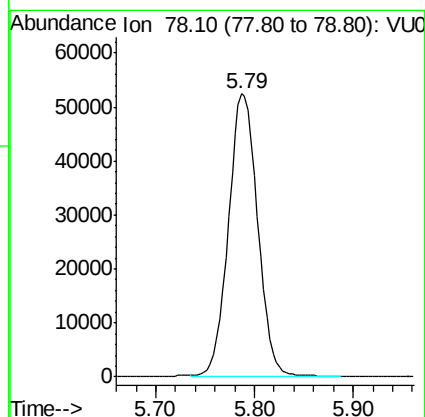
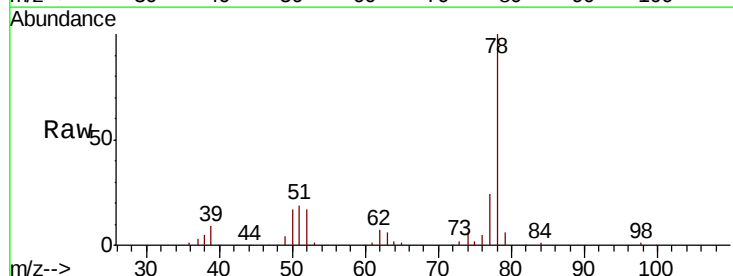
#31
Carbon tetrachloride
Concen: 5.161 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

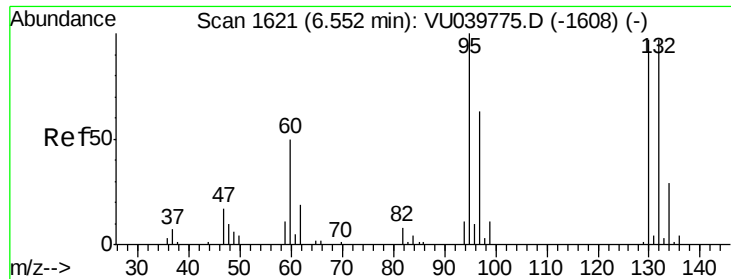
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 39169
Ion Ratio Lower Upper
117 100
119 97.6 75.5 113.3



#33
Benzene
Concen: 5.392 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46
Tgt Ion: 78 Resp: 108941

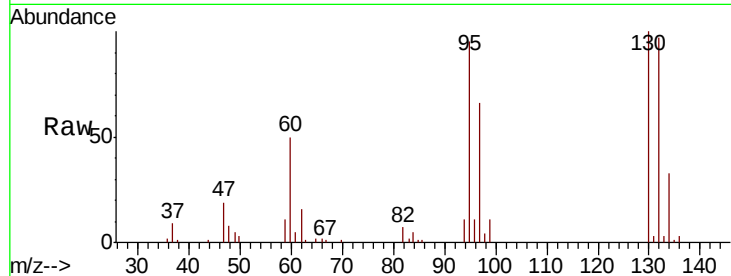




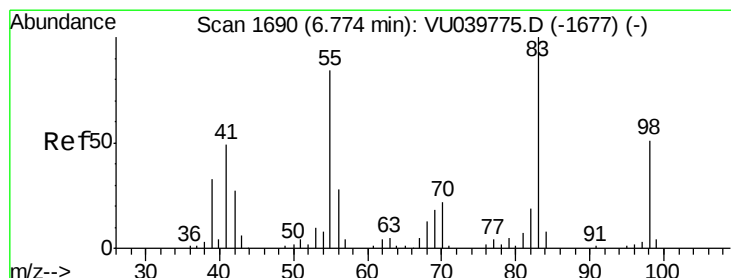
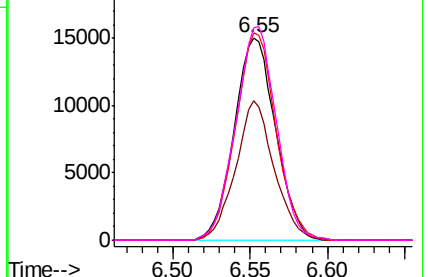
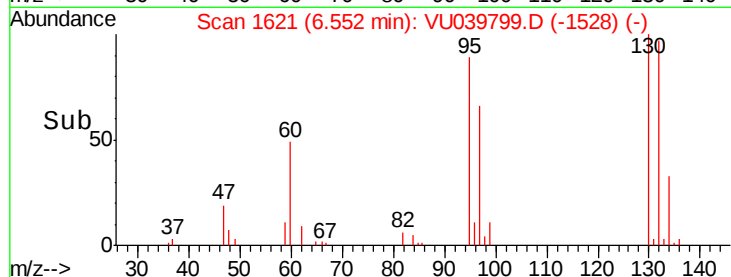
#34
 Trichloroethene
 Concen: 5.344 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 28044
 Ion Ratio Lower Upper
 95 100
 97 68.9 44.0 81.8
 132 102.1 71.7 133.3
 130 104.9 71.1 132.1

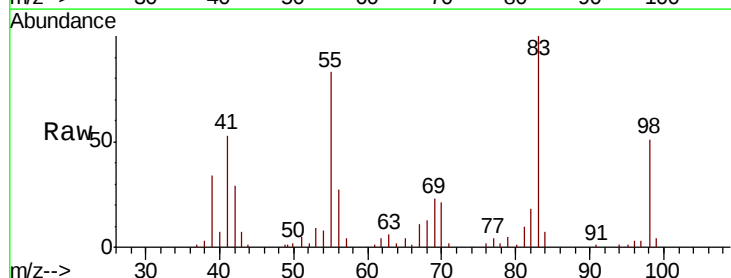


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

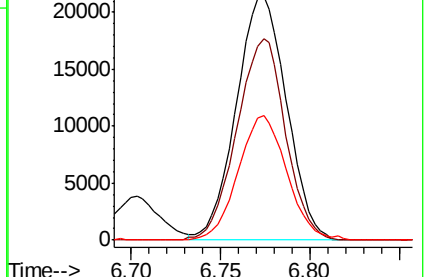
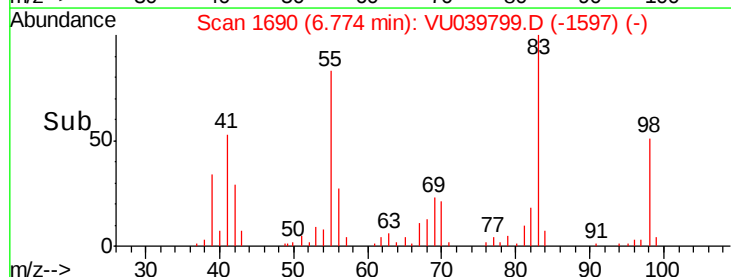


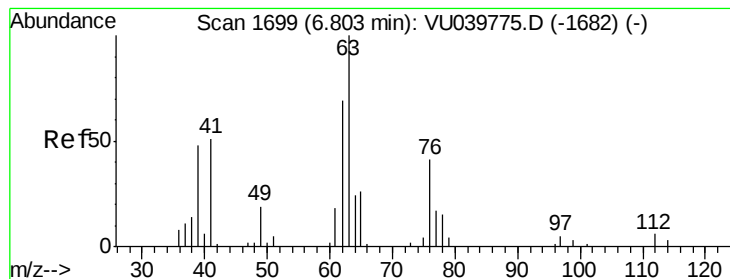
#35
 Methylcyclohexane
 Concen: 5.039 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion: 83 Resp: 42205
 Ion Ratio Lower Upper
 83 100
 55 80.0 59.4 89.0
 98 49.5 39.0 58.4



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: 5.351 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

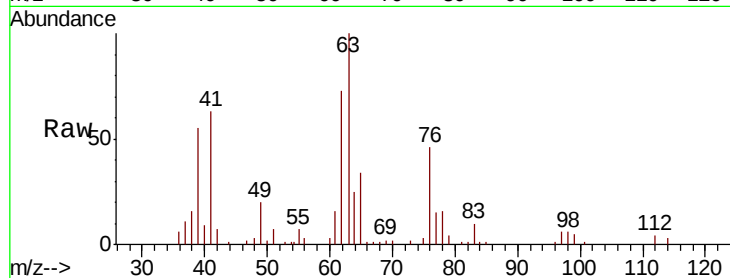
ClientSampleId :

Tot Ion: 63 Resp: 28716

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039775.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039775.D (-1682) (-)

6.80

15000

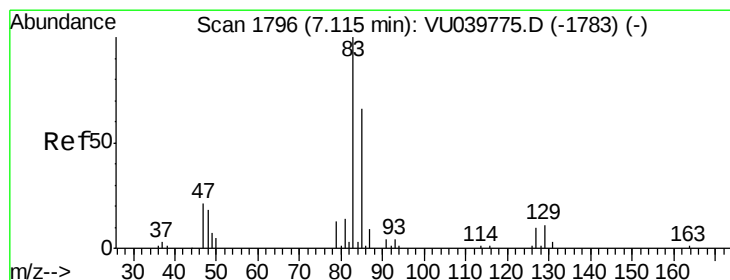
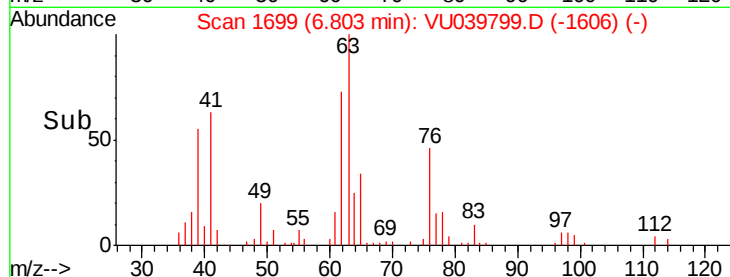
10000

5000

0

6.70 6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 5.289 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

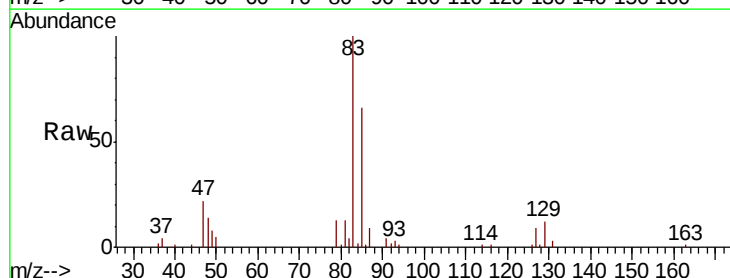
Tgt Ion: 83 Resp: 37133

Ion Ratio Lower Upper

83 100

85 66.3 45.3 84.1

127 9.0 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU039775.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039775.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039775.D (-1783) (-)

7.11

25000

20000

15000

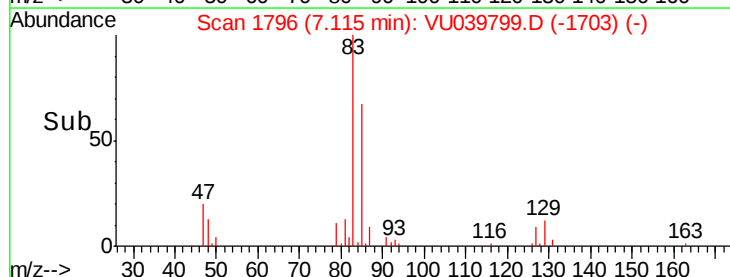
10000

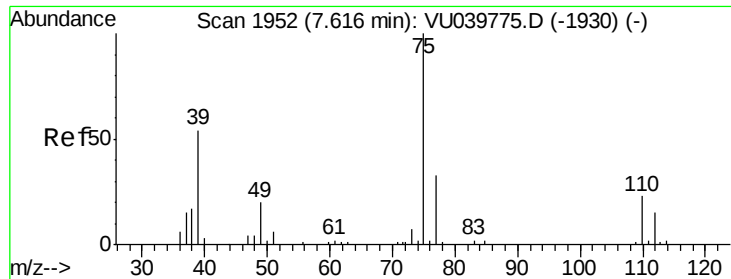
5000

0

7.05 7.10 7.15 7.20

Time-->

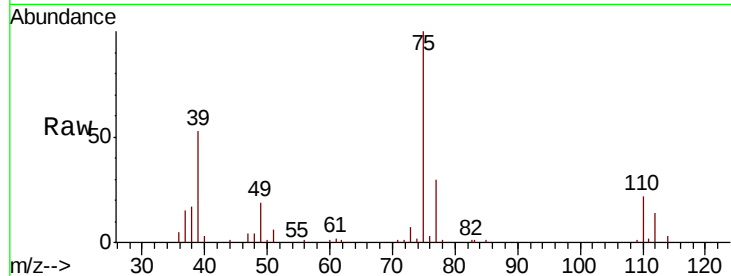




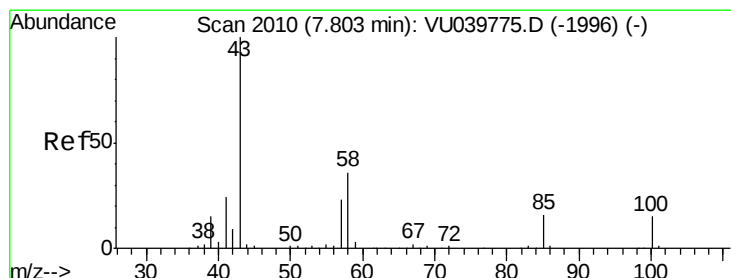
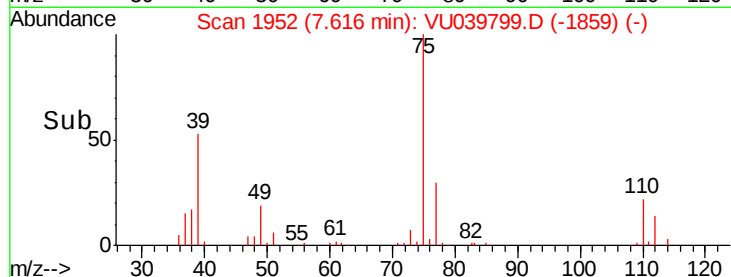
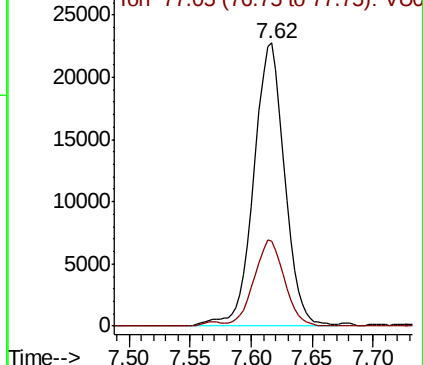
#39
 cis-1,3-Dichloropropene
 Concen: 5.454 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 39918
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.4 41.6

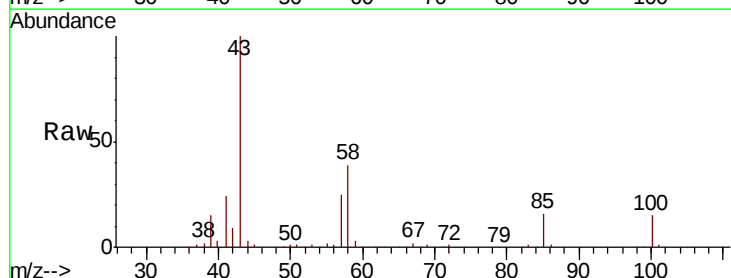


Abundance Ion 75.05 (74.75 to 75.75): VU039775.D (-1930) (-)
 Ion 77.05 (76.75 to 77.75): VU039775.D (-1930) (-)

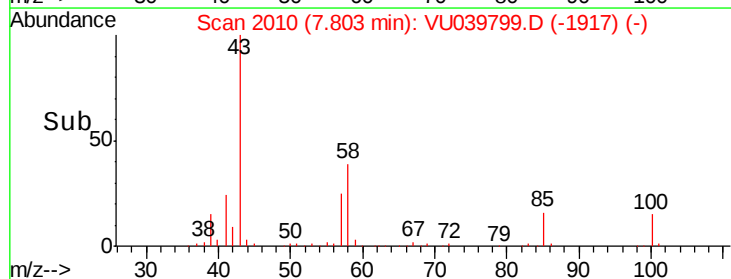
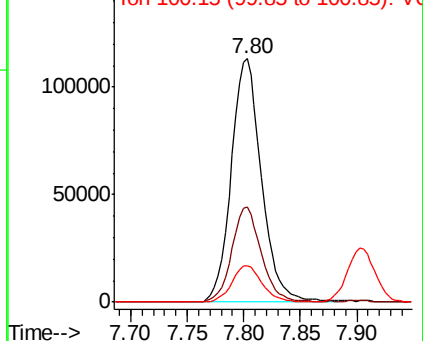


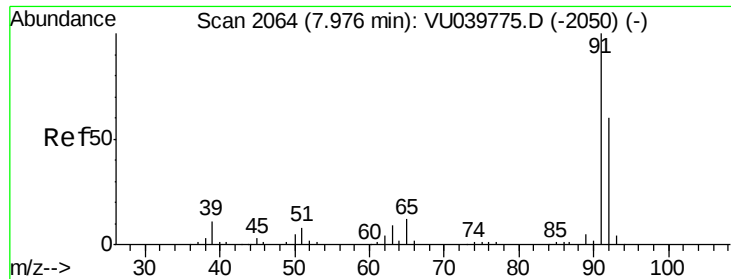
#40
 4-Methyl-2-pentanone
 Concen: 52.321 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion: 43 Resp: 209826
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.4 44.2
 100 15.0 11.7 17.5



Abundance Ion 43.05 (42.75 to 43.75): VU039775.D (-1996) (-)
 Ion 58.05 (57.75 to 58.75): VU039775.D (-1996) (-)
 Ion 100.15 (99.85 to 100.85): VU039775.D (-1996) (-)





#42

Toluene

Concen: 5.283 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

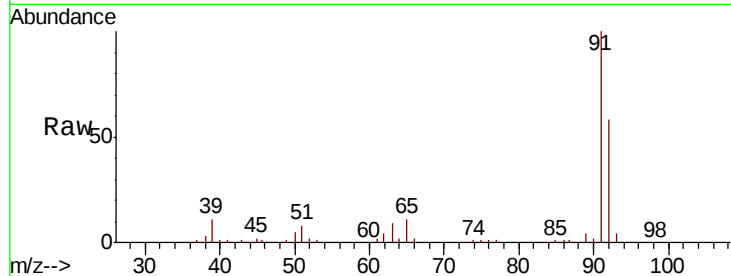
ClientSampleId :

Tot Ion: 91 Resp: 112169

Ion Ratio Lower Upper

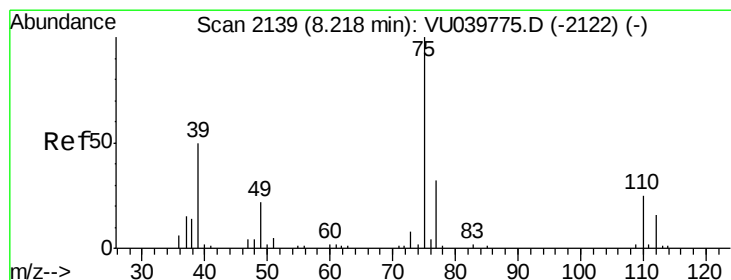
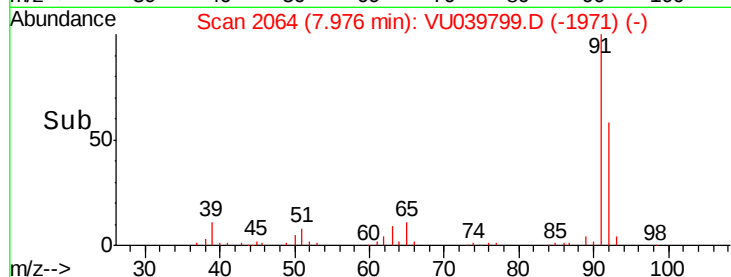
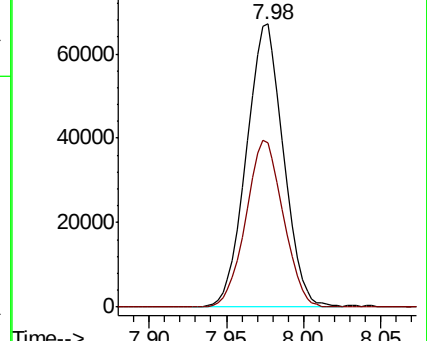
91 100

92 58.2 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039775.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039775.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.334 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039799.D

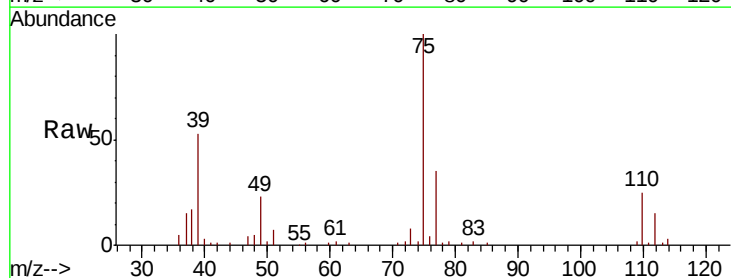
Acq: 08 Aug 2020 09:46

Tgt Ion: 75 Resp: 35168

Ion Ratio Lower Upper

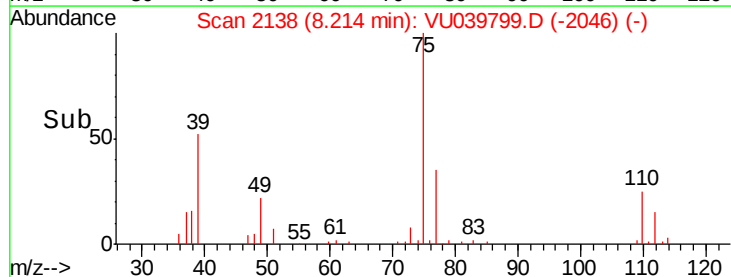
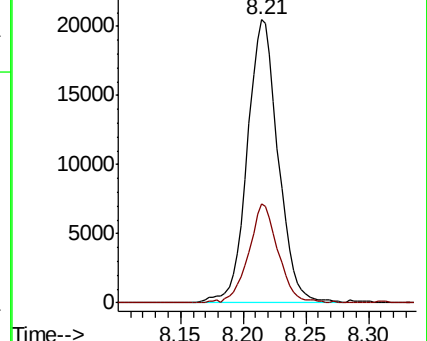
75 100

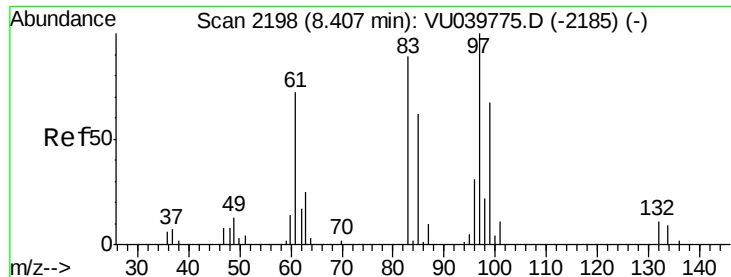
77 34.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039775.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039775.D (-2122) (-)

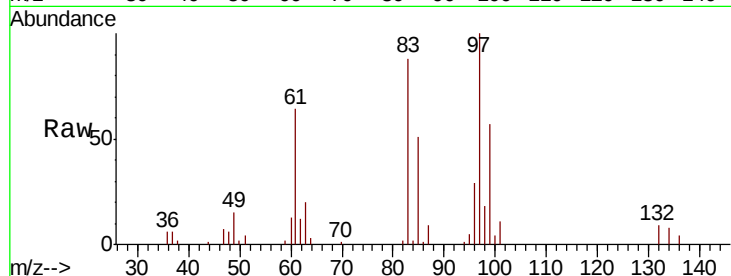




#45
1,1,2-Trichloroethane
Concen: 5.473 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	22092
Ion	Ratio	Lower	Upper
97	100		
99	57.1	42.0	78.0
83	88.5	55.2	102.4
85	51.0	37.0	68.6



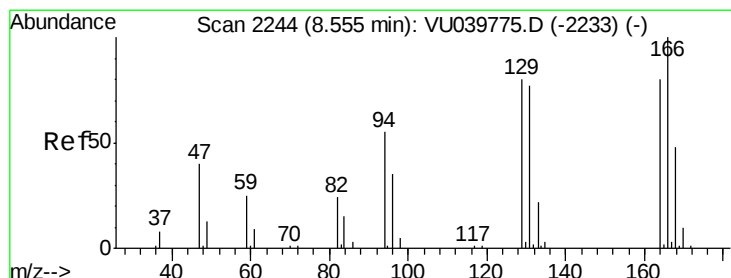
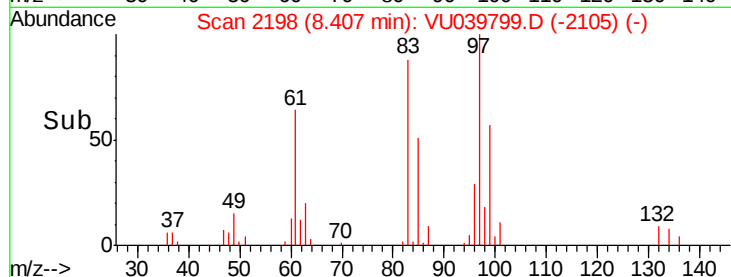
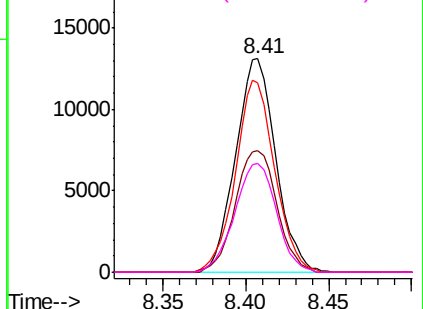
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

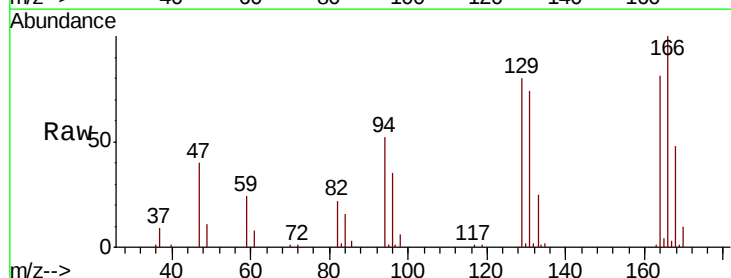
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 5.287 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion:	164	Resp:	22886
Ion	Ratio	Lower	Upper
164	100		
129	99.3	65.9	122.5
131	91.3	68.1	126.5
166	123.8	84.5	156.9



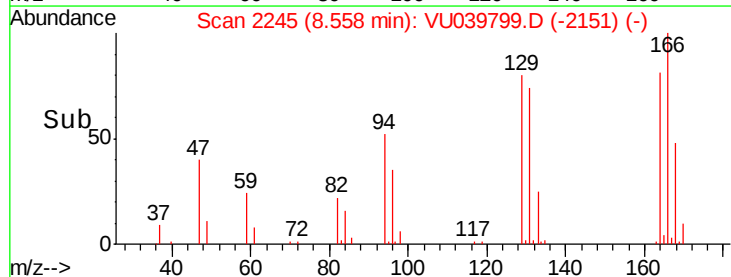
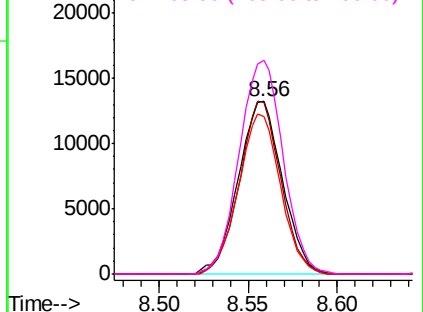
Abundance

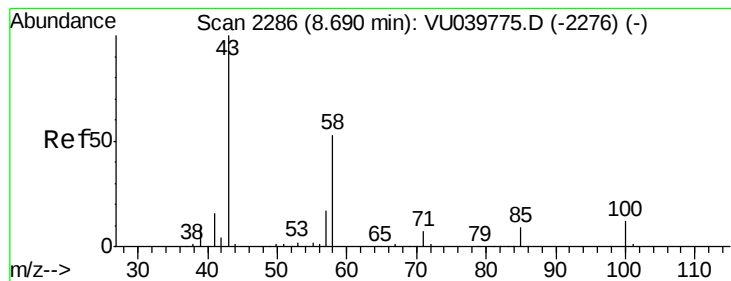
Ion 163.90 (163.60 to 164.60): V

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: 53.664 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 43 Resp: 155407

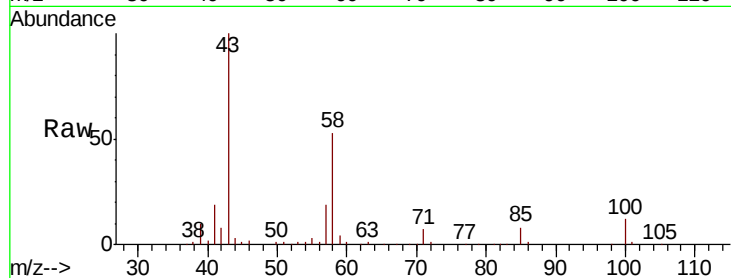
Ion Ratio Lower Upper

43 100

58 54.7 41.8 62.8

57 18.4 14.2 21.4

100 12.0 9.4 14.2

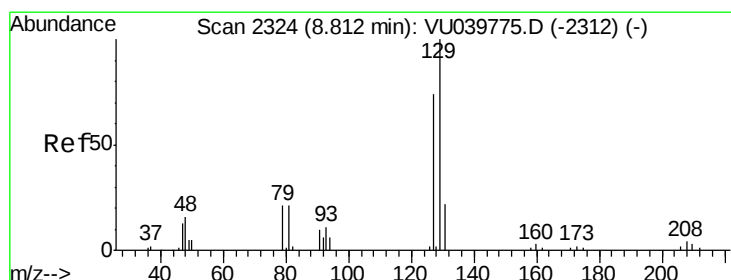
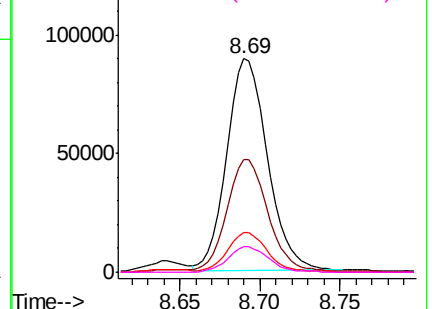
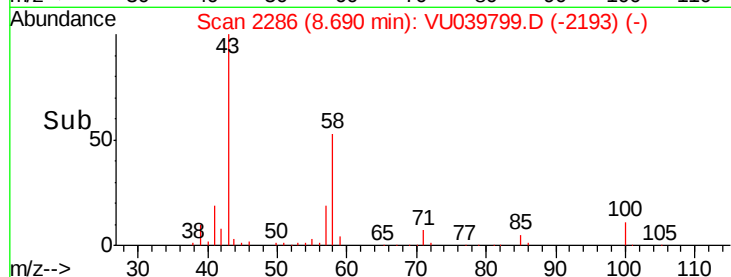


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 5.366 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU039799.D

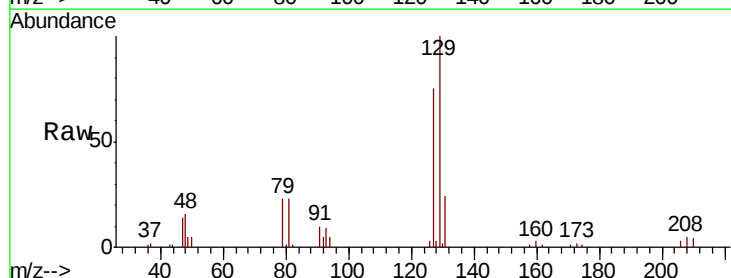
Acq: 08 Aug 2020 09:46

Tgt Ion:129 Resp: 26582

Ion Ratio Lower Upper

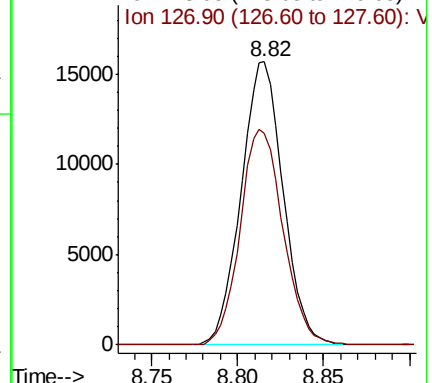
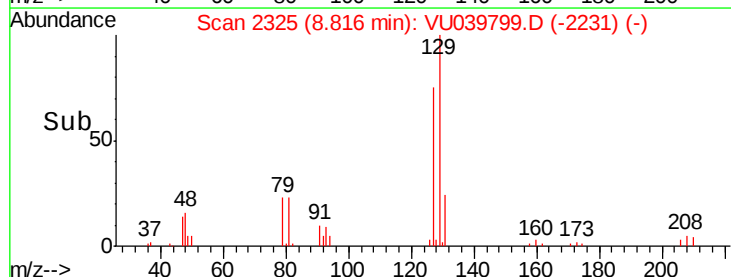
129 100

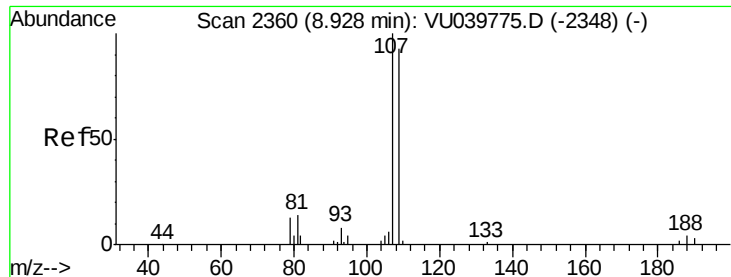
127 74.6 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

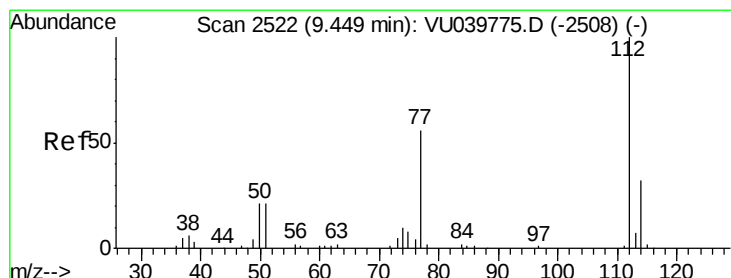
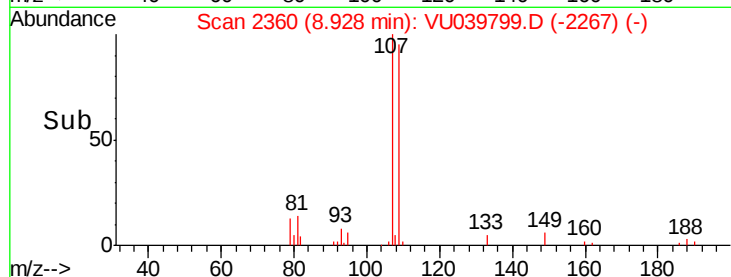
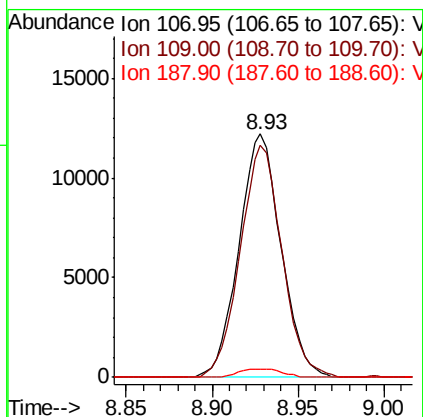
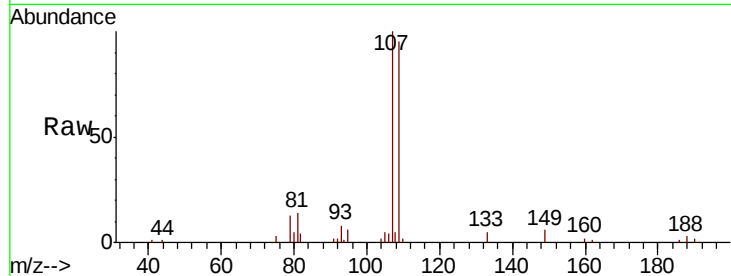




#50
 1,2-Dibromoethane
 Concen: 5.214 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

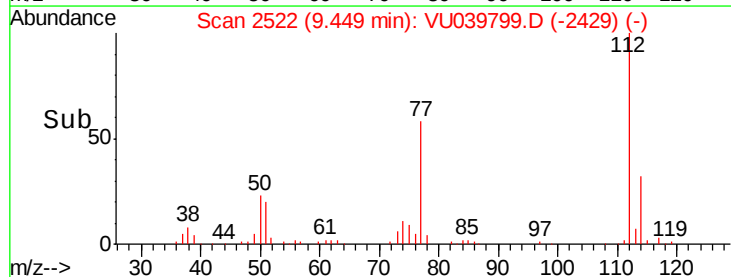
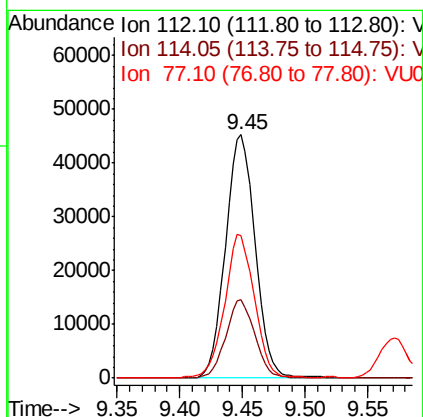
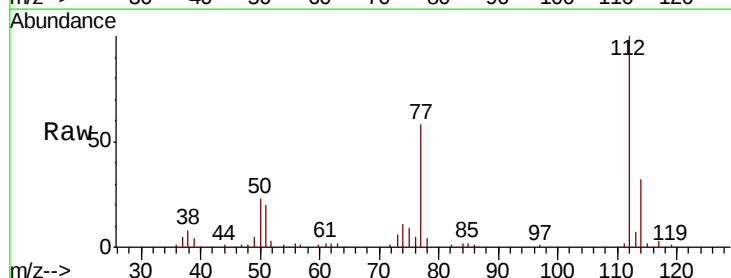
Instrument :
 MSVOA_U
 ClientSampleId :

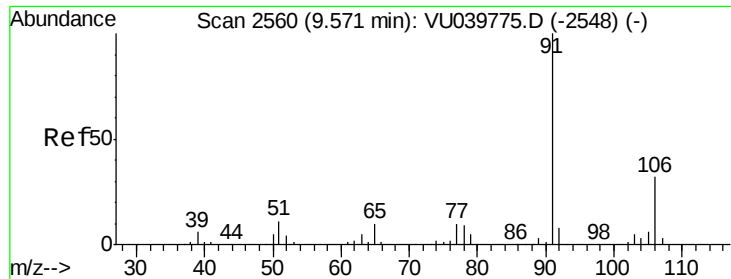
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	63.9	118.7
188	3.4	2.9	4.3



#51
 Chlorobenzene
 Concen: 5.208 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.2	43.0
77	58.5	47.8	71.6





#52

Ethylbenzene

Concen: 5.136 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

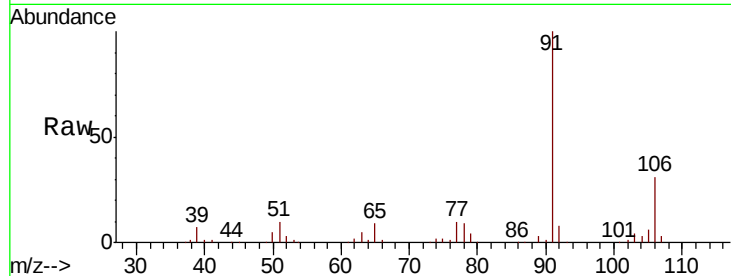
ClientSampleId :

Tot Ion: 91 Resp: 122054

Ion Ratio Lower Upper

91 100

106 31.2 22.8 42.4

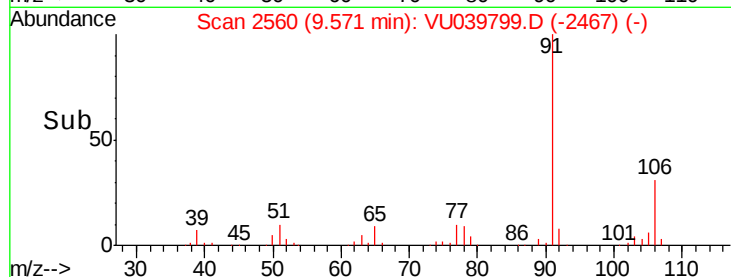


Abundance Ion 91.15 (90.85 to 91.85): VU039799.D (-2548) (-)

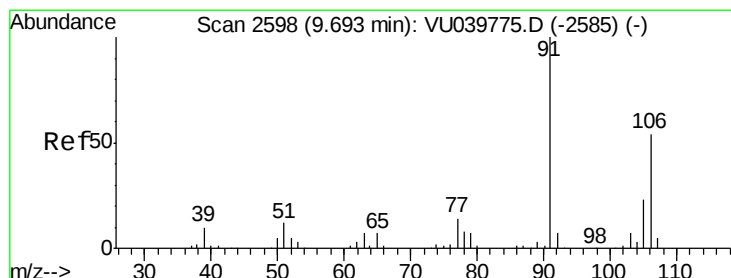
Ion 106.15 (105.85 to 106.85): VU039799.D (-2548) (-)

9.57

Time-->



Time-->



#53

m,p-Xylene

Concen: 5.396 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU039799.D

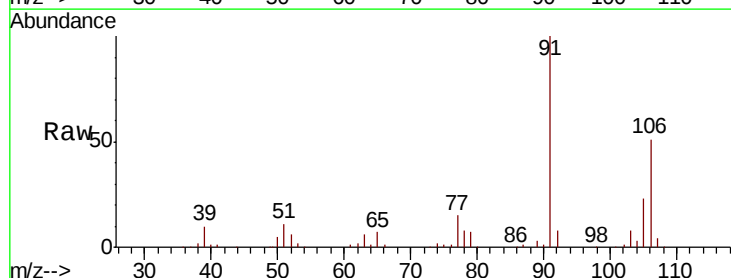
Acq: 08 Aug 2020 09:46

Tgt Ion: 106 Resp: 48829

Ion Ratio Lower Upper

106 100

91 196.4 135.5 251.7

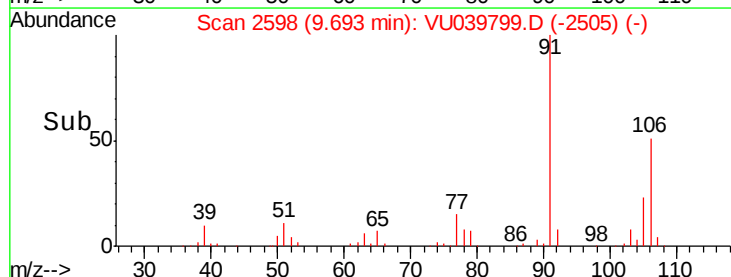


Abundance Ion 106.15 (105.85 to 106.85): VU039799.D (-2585) (-)

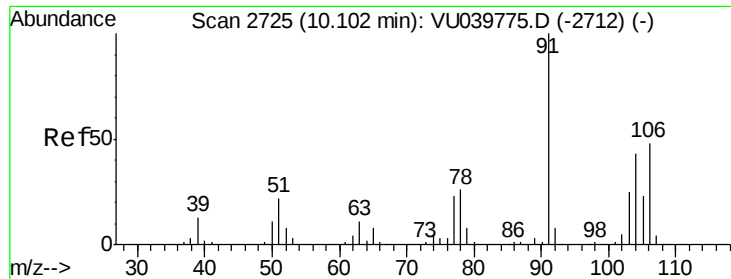
Ion 91.15 (90.85 to 91.85): VU039799.D (-2585) (-)

9.69

Time-->



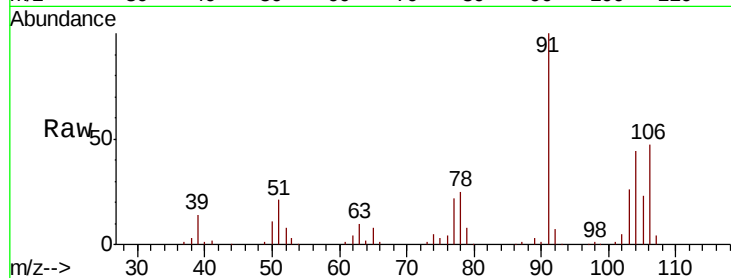
Time-->



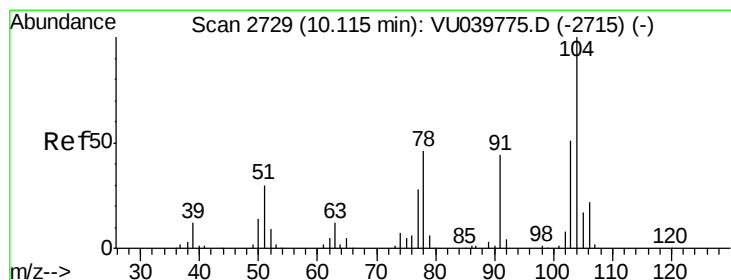
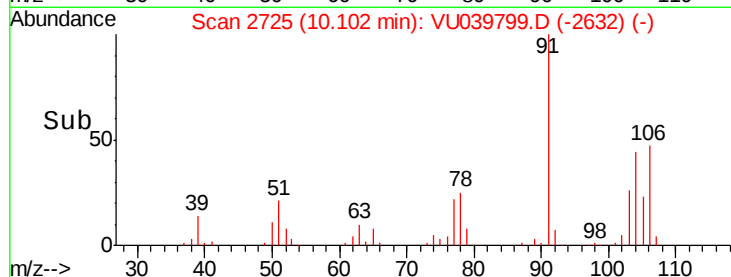
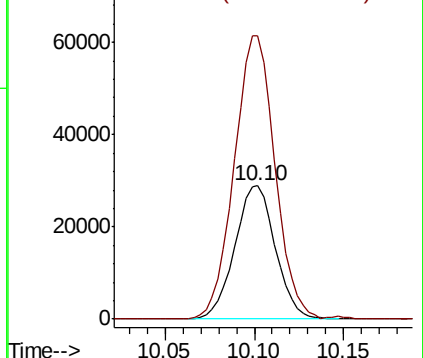
#54
o-Xylene
Concen: 5.153 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 45663
Ion Ratio Lower Upper
106 100
91 212.5 140.8 261.6

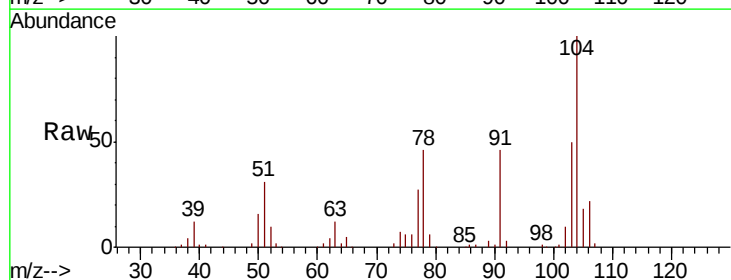


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

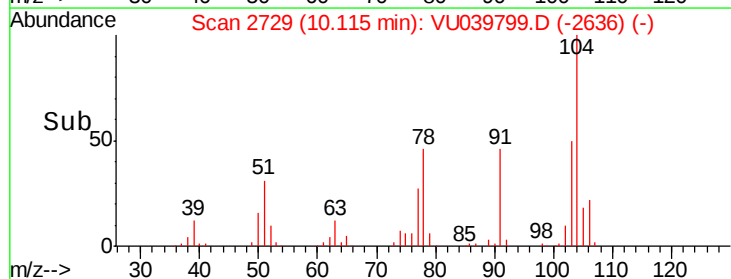
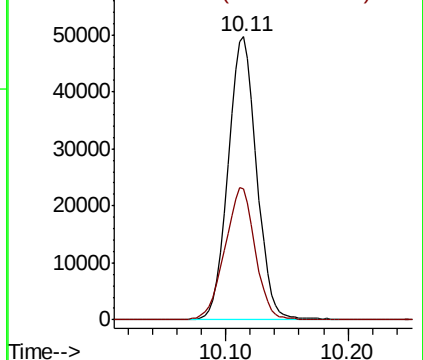


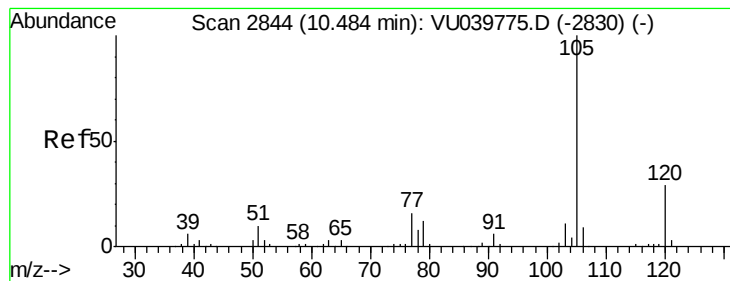
#55
Styrene
Concen: 5.433 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion:104 Resp: 81078
Ion Ratio Lower Upper
104 100
78 46.4 32.3 60.1



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





#56

Isopropylbenzene

Concen: 5.067 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampled :

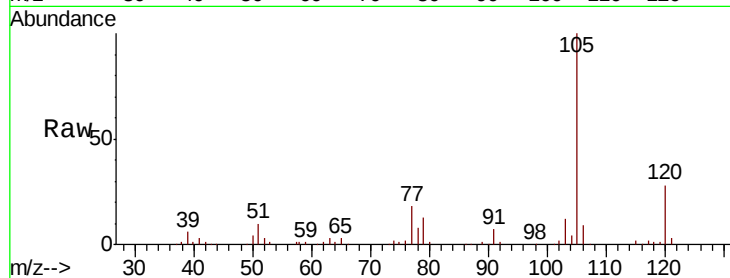
Tot Ion:105 Resp: 119991

Ion Ratio Lower Upper

105 100

120 27.7 21.0 31.6

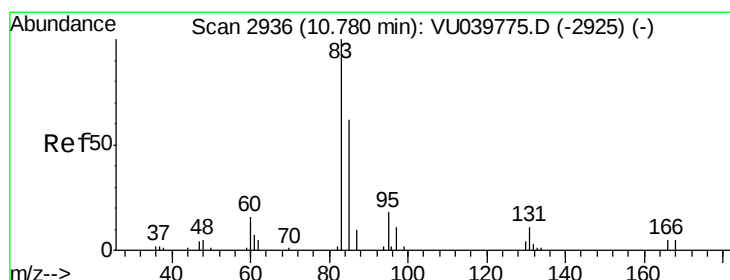
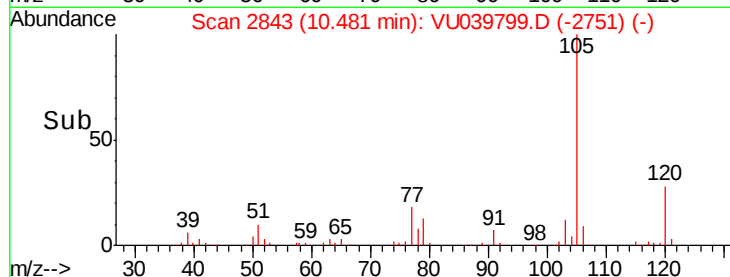
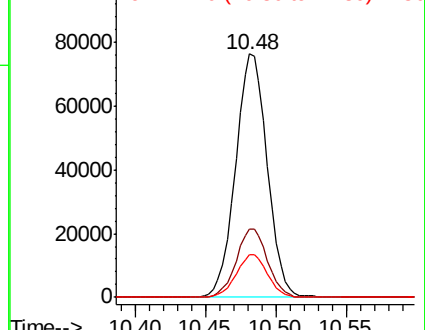
77 17.3 12.9 19.3



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: 5.096 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

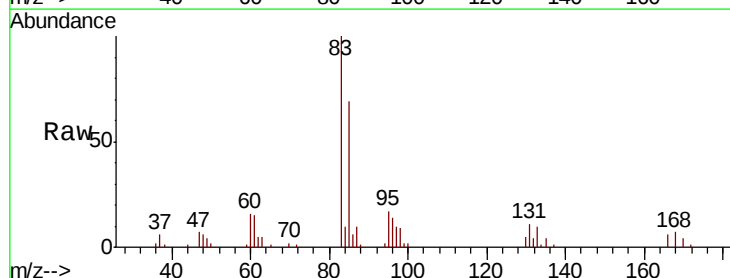
Tgt Ion: 83 Resp: 28299

Ion Ratio Lower Upper

83 100

85 69.4 44.4 82.4

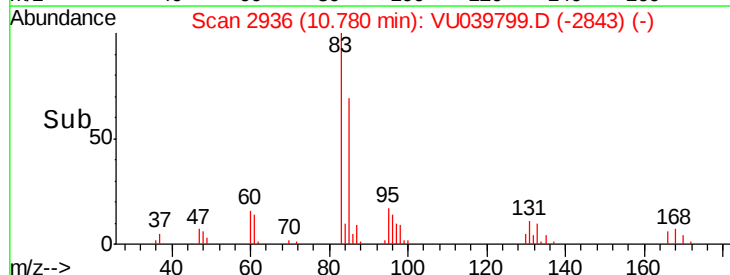
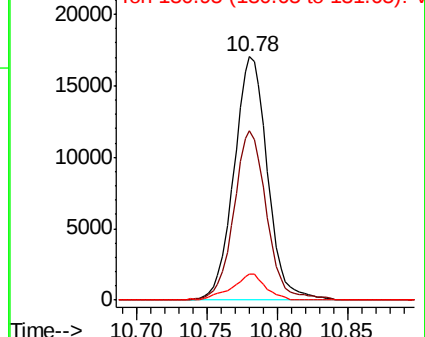
131 10.6 7.4 11.0

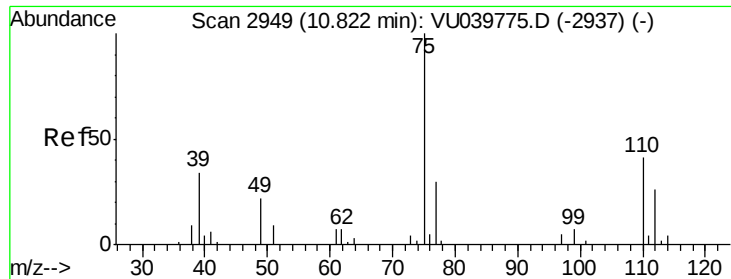


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

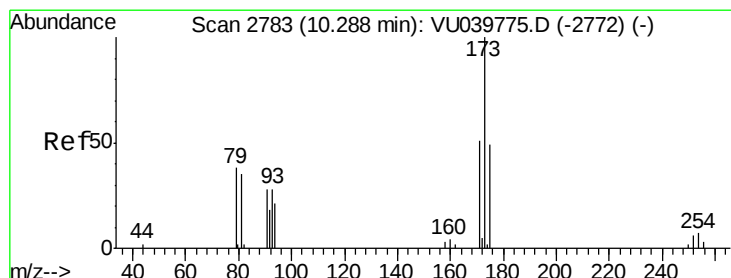
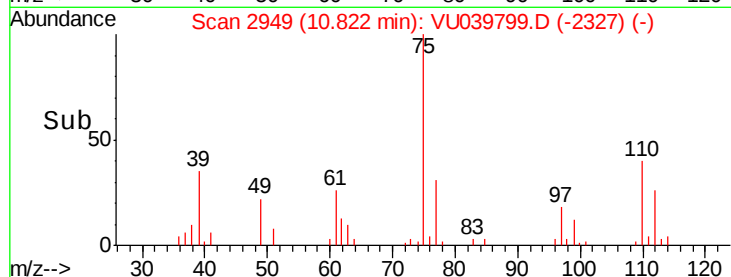
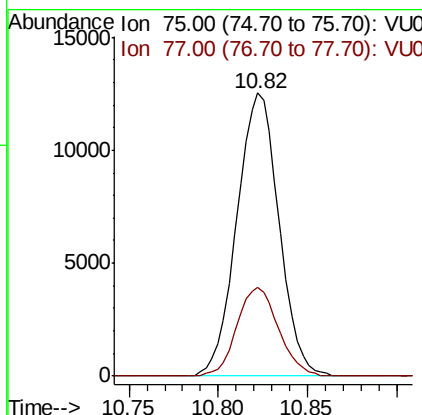
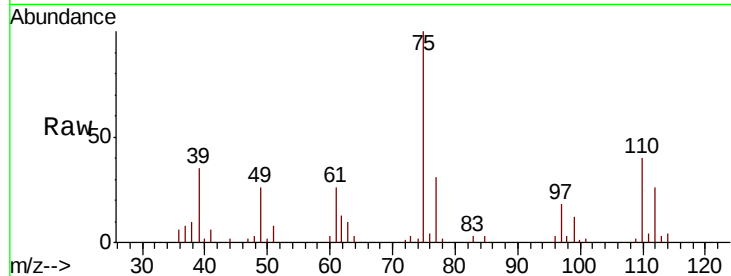




#59
 1,2,3-Trichloropropane
 Concen: 5.340 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

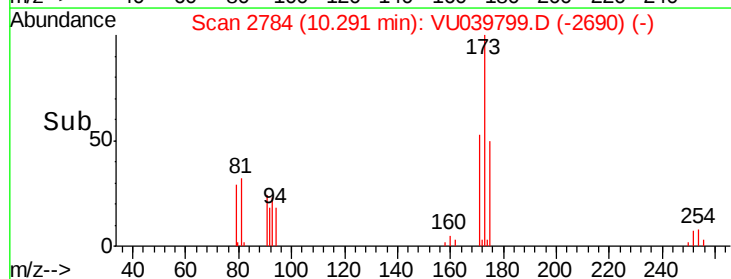
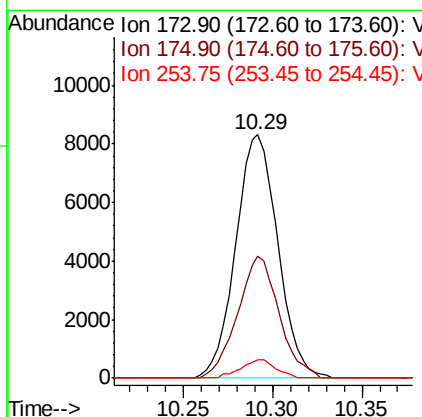
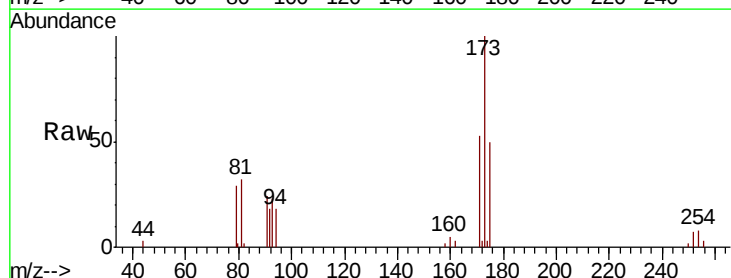
Instrument :
 MSVOA_U
 ClientSampled :

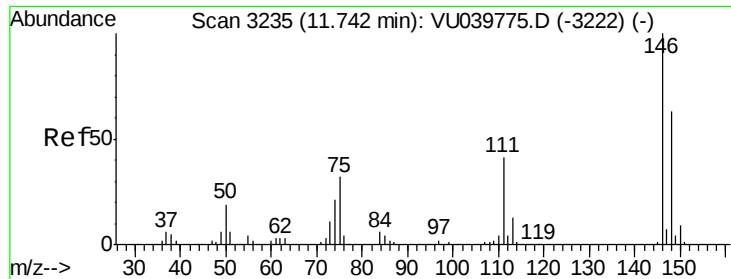
Tot Ion: 75 Resp: 20670
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0



#61
 Bromoform
 Concen: 5.207 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion:173 Resp: 13658
 Ion Ratio Lower Upper
 173 100
 175 49.2 33.8 50.8
 254 6.3 5.5 8.3





#62

1,3-Dichlorobenzene

Concen: 5.518 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

Instrument :

MSVOA_U

ClientSampled :

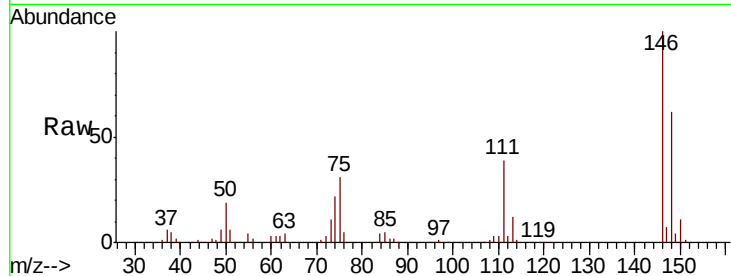
Tot Ion:146 Resp: 62693

Ion Ratio Lower Upper

146 100

111 39.4 27.7 51.5

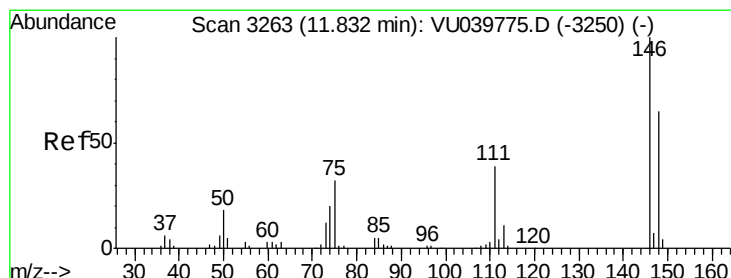
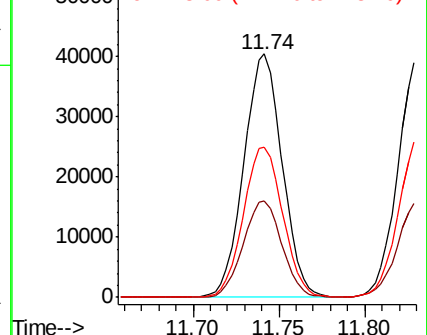
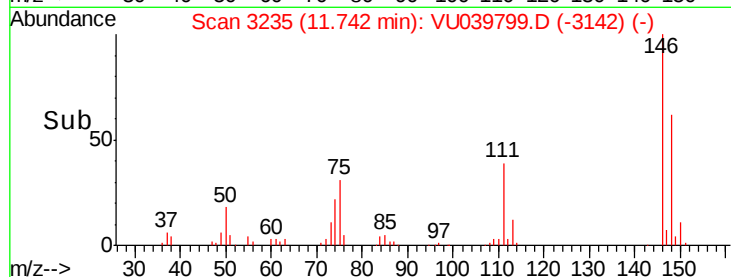
148 61.6 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.297 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039799.D

Acq: 08 Aug 2020 09:46

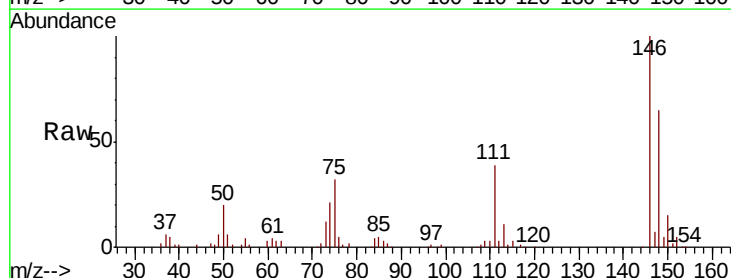
Tgt Ion:146 Resp: 63445

Ion Ratio Lower Upper

146 100

111 38.8 26.5 49.3

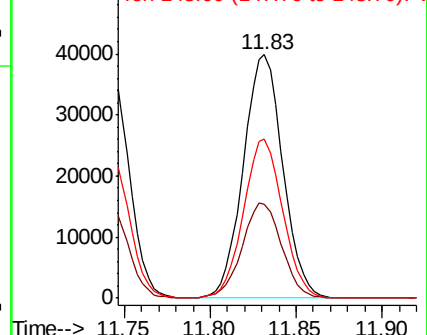
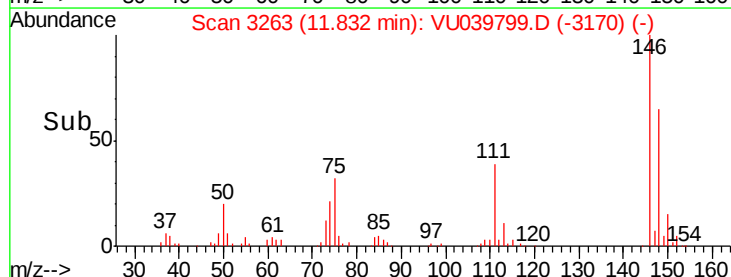
148 65.2 45.3 84.1

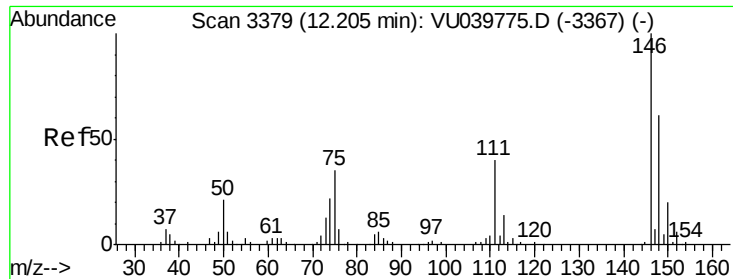


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

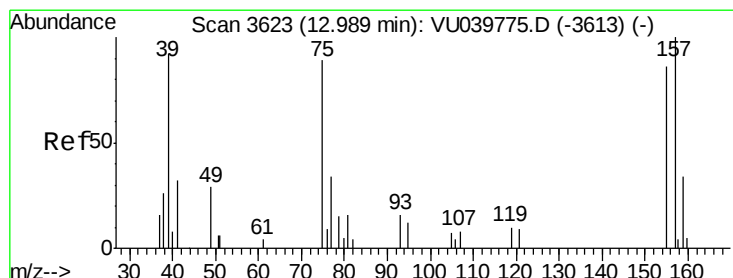
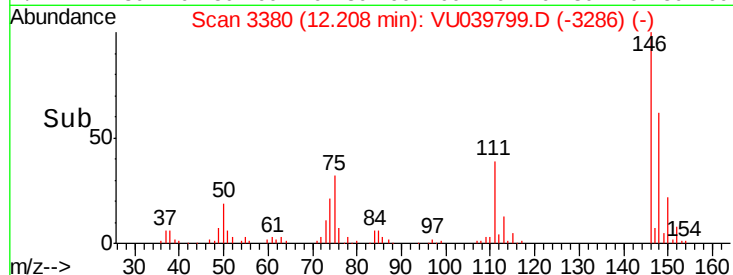
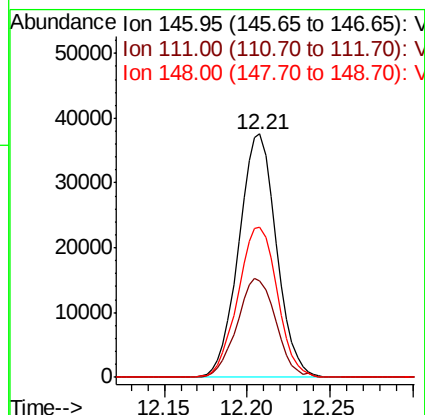
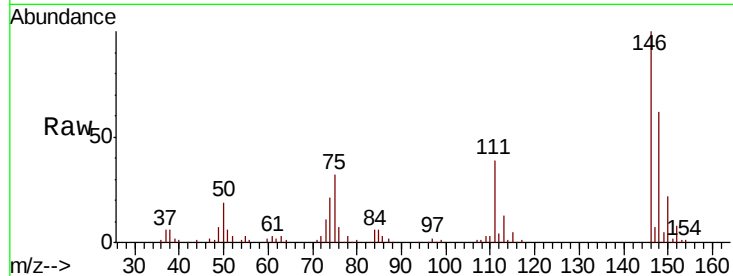




#65
 1,2-Dichlorobenzene
 Concen: 5.295 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

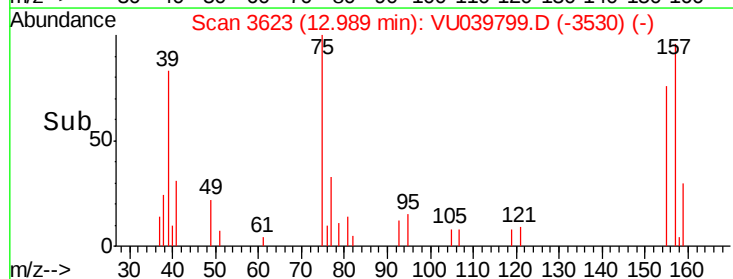
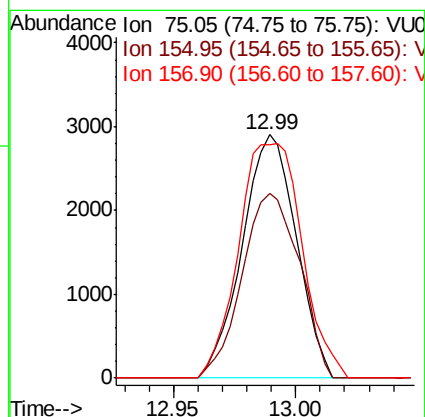
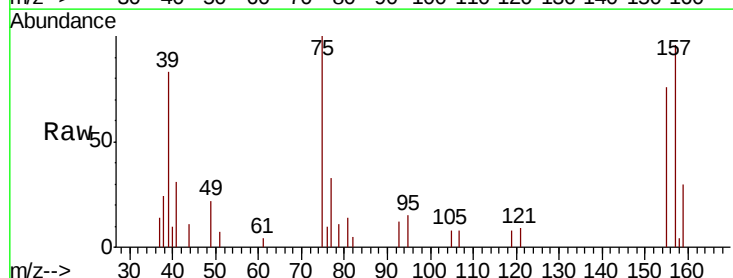
Instrument :
 MSVOA_U
 ClientSampled :

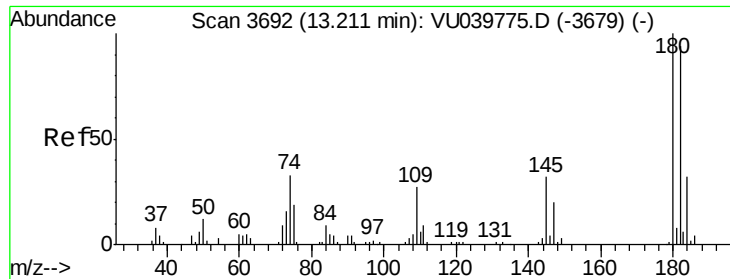
Tot Ion:146 Resp: 59278
 Ion Ratio Lower Upper
 146 100
 111 39.4 33.1 49.7
 148 61.8 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.269 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion: 75 Resp: 4459
 Ion Ratio Lower Upper
 75 100
 155 75.9 64.0 96.0
 157 95.7 77.0 115.6

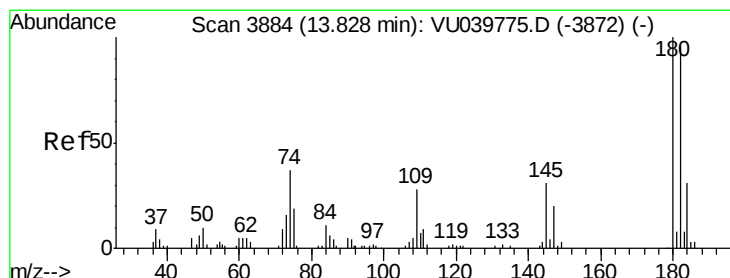
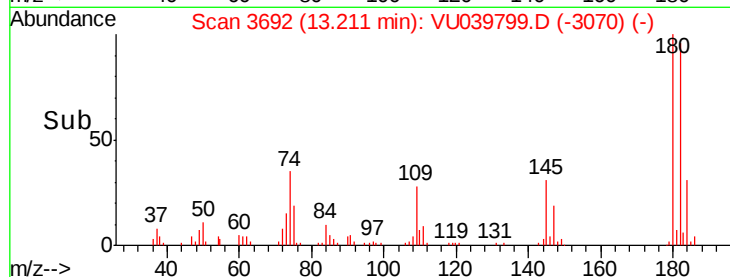
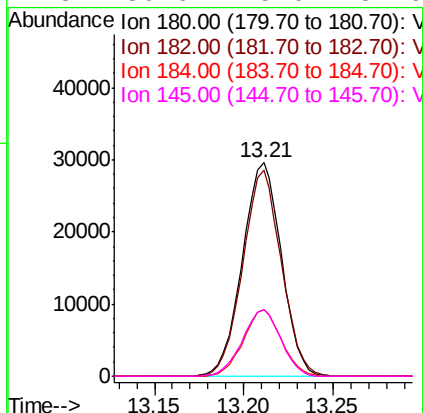
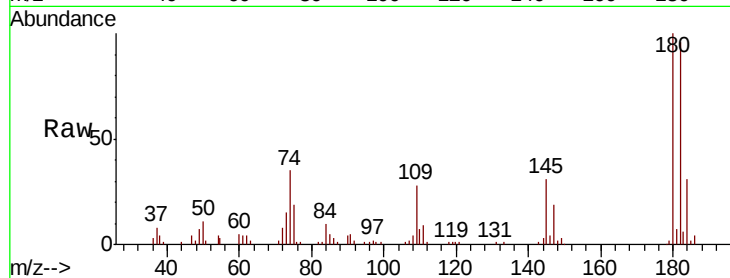




#67
 1,3,5-Trichlorobenzene
 Concen: 5.280 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

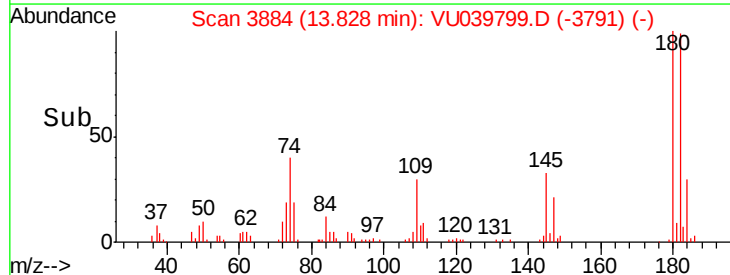
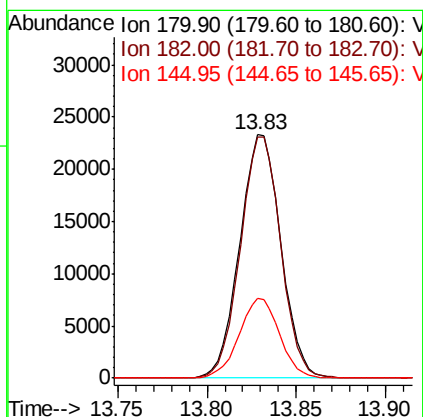
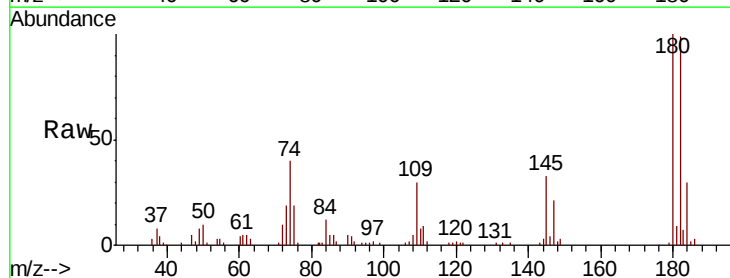
Instrument :
 MSVOA_U
 ClientSampleId :

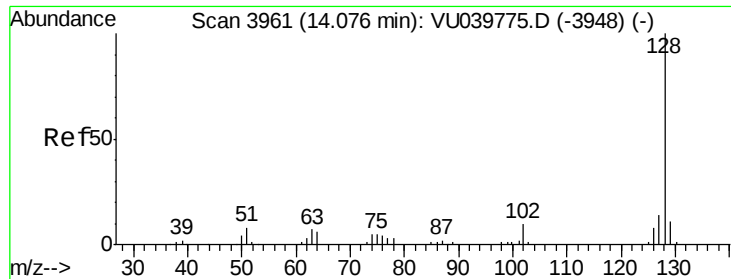
Tot Ion:	180	Resp:	45465
Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.9	112.3
184	30.3	25.3	37.9
145	30.6	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.177 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU039799.D
 Acq: 08 Aug 2020 09:46

Tgt Ion:	180	Resp:	37360
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.7	113.5
145	32.2	25.1	37.7

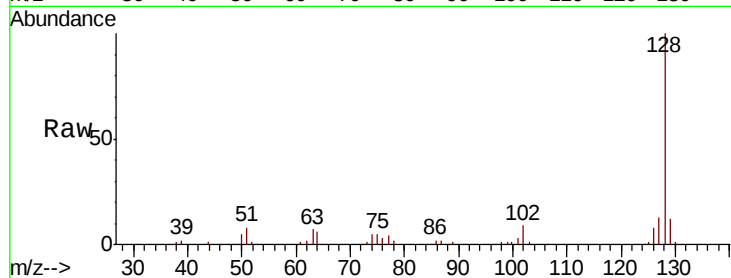




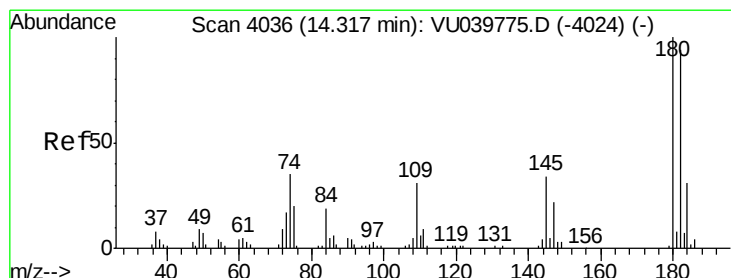
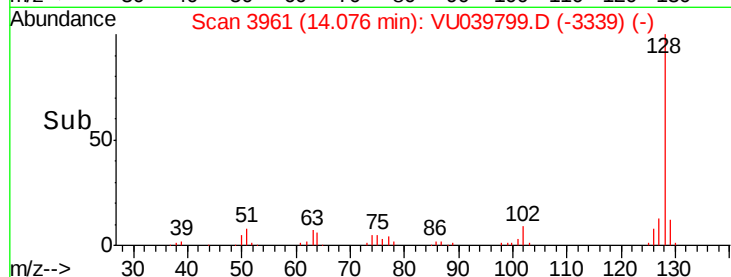
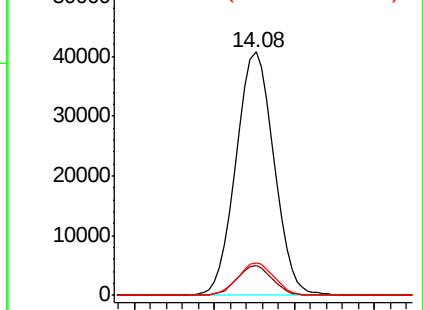
#69
Naphthalene
Concen: 5.109 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 65912
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 12.9 10.1 15.1

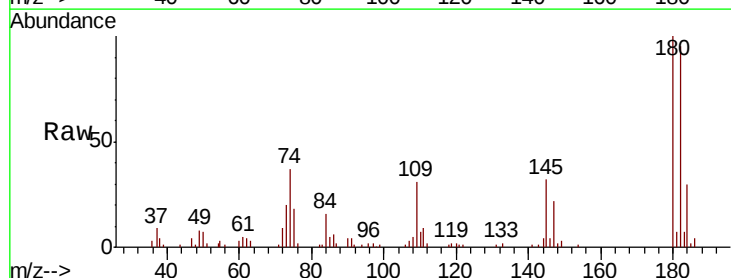


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.525 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU039799.D
Acq: 08 Aug 2020 09:46

Tgt Ion:180 Resp: 35769
Ion Ratio Lower Upper
180 100
182 93.1 76.1 114.1
145 31.0 27.4 41.0



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

