

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040016.D
 Acq On : 02 Sep 2020 10:59
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 03 01:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140242	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137520	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65633	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29383	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.92	69	27259	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.58	63	53558	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.66	46	138021	45.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.14%
24) Chloroform-d	5.08	84	71317	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.72	65	46865	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.74	84	133217	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.70	67	44393	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.90	98	117615	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.18	79	19817	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	104431	45.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40703	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44468	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2403	0.173	ug/L	99
3) Chloromethane	1.53	50	3035	0.228	ug/L	99
5) Vinyl chloride	1.61	62	2789	0.206	ug/L #	82
6) Bromomethane	1.86	94	1369	0.198	ug/L	86
8) Chloroethane	1.94	64	1813	0.223	ug/L	88
9) Trichlorofluoromethane	2.15	101	4066	0.210	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	2839	0.226	ug/L #	80
12) 1,1-Dichloroethene	2.59	96	2376	0.219	ug/L #	1
14) Carbon disulfide	2.81	76	6830	0.196	ug/L #	94
15) Methyl Acetate	2.97	43	1283	0.180	ug/L	92
16) Methylene chloride	3.06	84	4502	0.317	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	6021	0.184	ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	2617	0.224	ug/L	76
19) 1,1-Dichloroethane	3.89	63	4604	0.192	ug/L	93
21) 2-Butanone	4.74	43	10136	2.190	ug/L	86
22) cis-1,2-Dichloroethene	4.69	96	2629	0.209	ug/L	74
23) Bromochloromethane	5.00	128	963	0.175	ug/L	93

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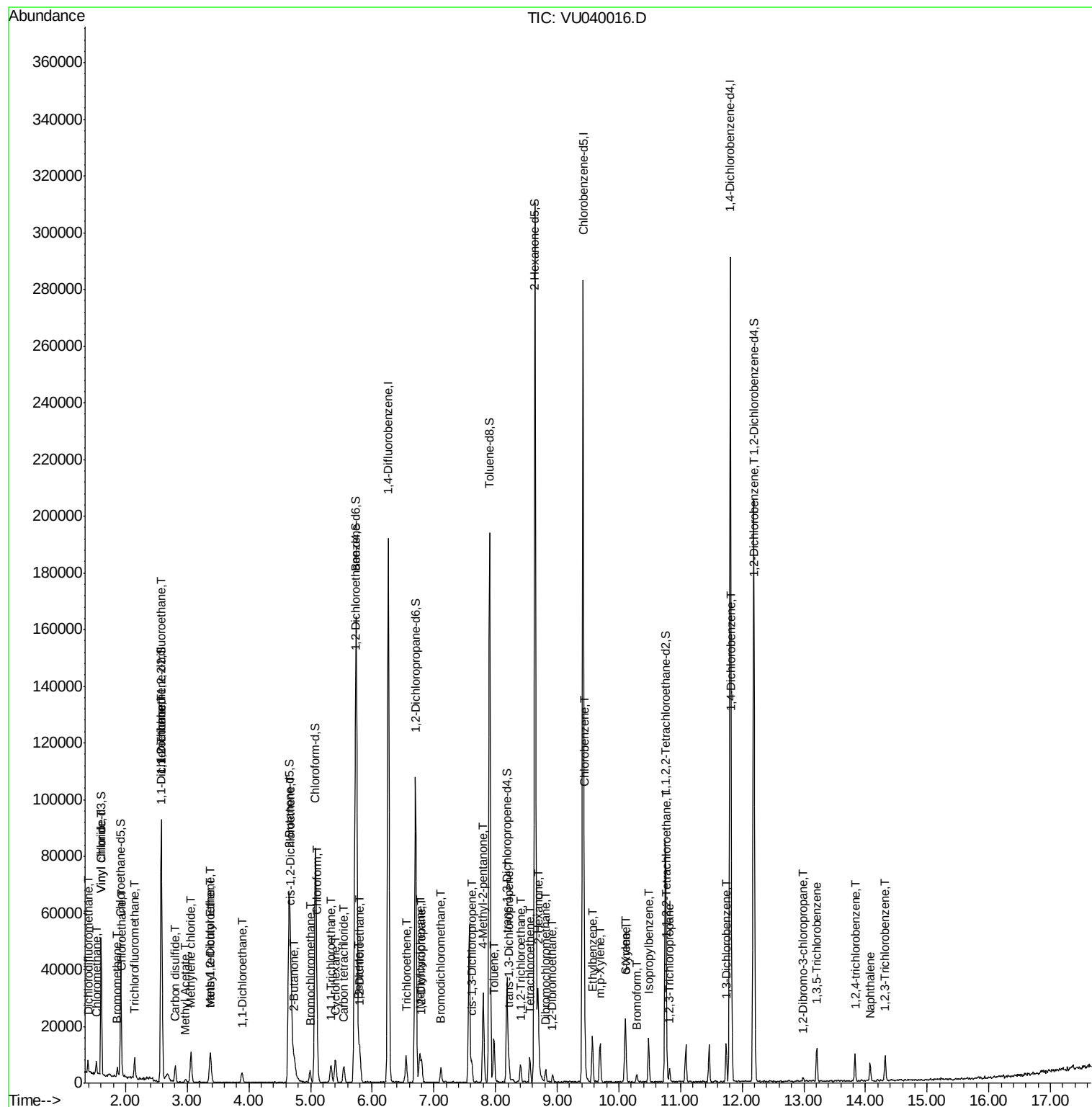
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	7591	0.308	ug/L	92
27) 1,2-Dichloroethane	5.81	62	3720	0.206	ug/L #	92
29) 1,1,1-Trichloroethane	5.33	97	4144	0.192	ug/L	96
30) Cyclohexane	5.41	56	3338	0.159	ug/L	88
31) Carbon tetrachloride	5.54	117	3767	0.204	ug/L	97
33) Benzene	5.79	78	9610	0.195	ug/L	100
34) Trichloroethene	6.55	95	2177	0.165	ug/L #	77
35) Methylcyclohexane	6.77	83	3602	0.178	ug/L #	83
37) 1,2-Dichloropropane	6.80	63	2477	0.186	ug/L #	93
38) Bromodichloromethane	7.12	83	3372	0.185	ug/L #	89
39) cis-1,3-Dichloropropene	7.61	75	3537	0.180	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	21392	1.957	ug/L	99
42) Toluene	7.97	91	10085	0.199	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	3677	0.202	ug/L #	39
45) 1,1,2-Trichloroethane	8.41	97	1899	0.196	ug/L	91
47) Tetrachloroethene	8.56	164	1550	0.179	ug/L	94
48) 2-Hexanone	8.69	43	17486	2.193	ug/L	95
49) Dibromochloromethane	8.81	129	2198	0.189	ug/L	99
50) 1,2-Dibromoethane	8.93	107	1616	0.173	ug/L #	67
51) Chlorobenzene	9.45	112	6093	0.194	ug/L	95
52) Ethylbenzene	9.57	91	11087	0.193	ug/L	99
53) m,p-Xylene	9.70	106	3967	0.194	ug/L	89
54) o-Xylene	10.10	106	3297	0.169	ug/L	99
55) Styrene	10.11	104	5868	0.173	ug/L	99
56) Isopropylbenzene	10.48	105	9049	0.170	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	2492	0.200	ug/L #	82
59) 1,2,3-Trichloropropane	10.82	75	1880	0.190	ug/L	93
61) Bromoform	10.29	173	1018	0.169	ug/L #	95
62) 1,3-Dichlorobenzene	11.74	146	4575	0.191	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4784	0.197	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	4820	0.208	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.98	75	394	0.159	ug/L #	55
67) 1,3,5-Trichlorobenzene	13.21	180	3352	0.199	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2431	0.167	ug/L	94
69) Naphthalene	14.07	128	4928	0.163	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	2471	0.185	ug/L #	87

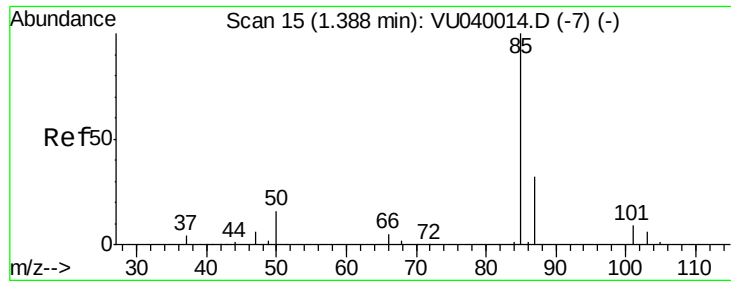
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.173 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

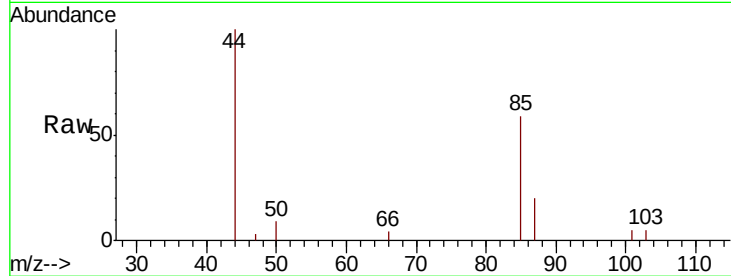
ClientSampleId :

Tot Ion: 85 Resp: 2403

Ion Ratio Lower Upper

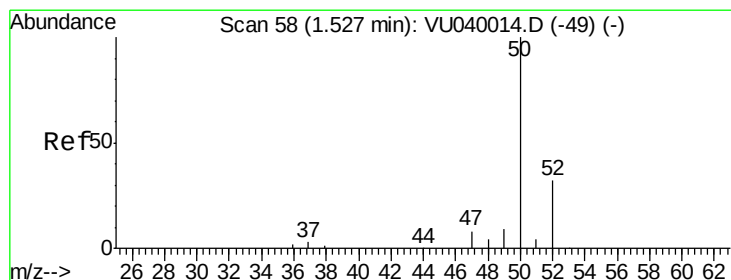
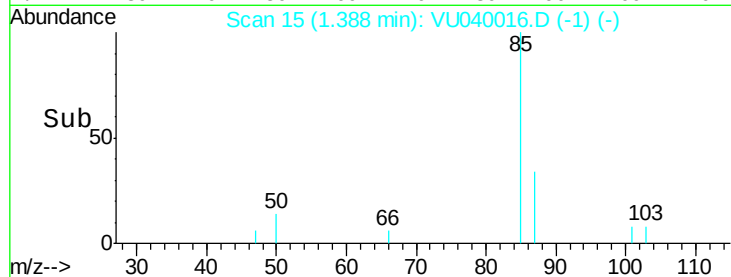
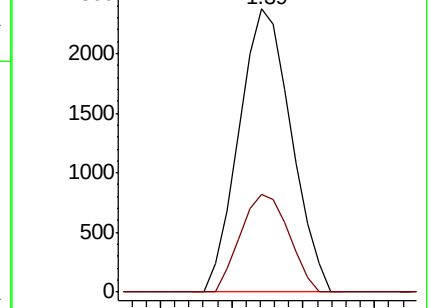
85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.228 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040016.D

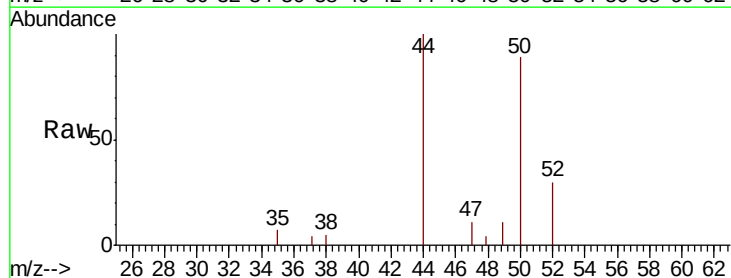
Acq: 02 Sep 2020 10:59

Tgt Ion: 50 Resp: 3035

Ion Ratio Lower Upper

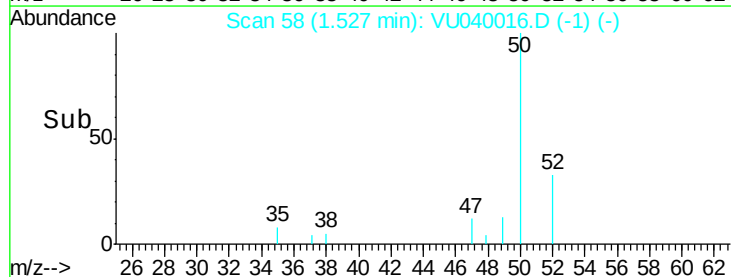
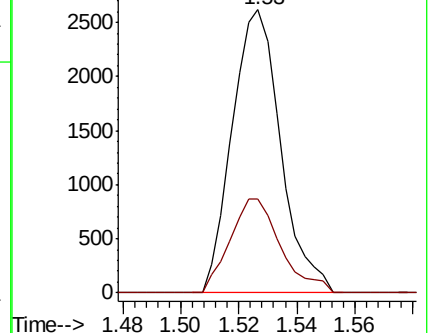
50 100

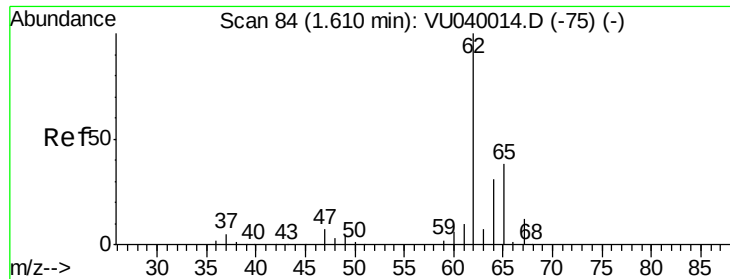
52 33.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.206 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

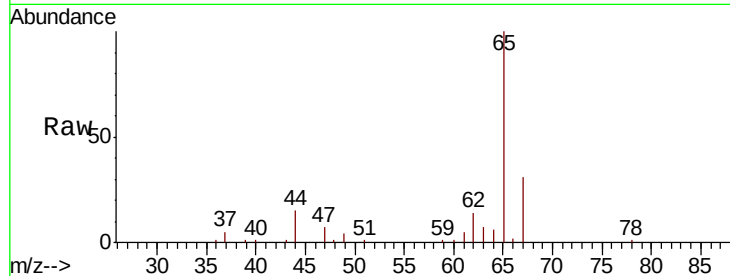
ClientSampled :

Tot Ion: 62 Resp: 2789

Ion Ratio Lower Upper

62 100

64 44.7 23.9 44.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

2500

2000

1500

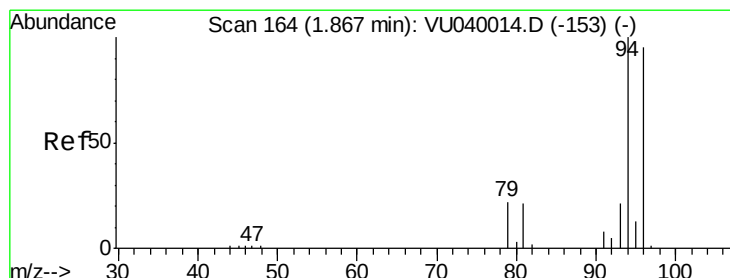
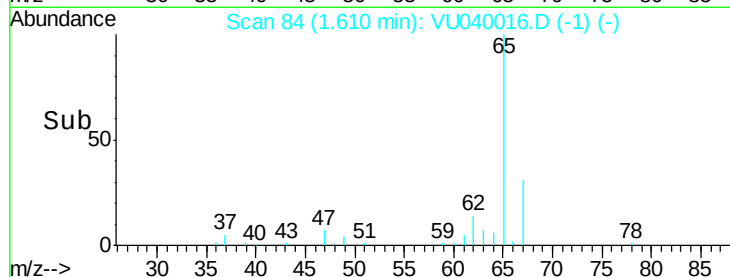
1000

500

0

1.58 1.60 1.62 1.64

Time-->



#6

Bromomethane

Concen: 0.198 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040016.D

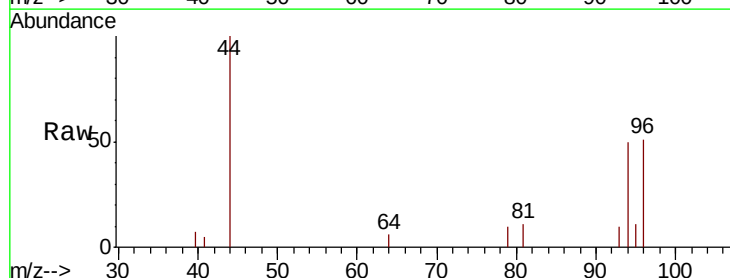
Acq: 02 Sep 2020 10:59

Tgt Ion: 94 Resp: 1369

Ion Ratio Lower Upper

94 100

96 102.5 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

1200

1000

800

600

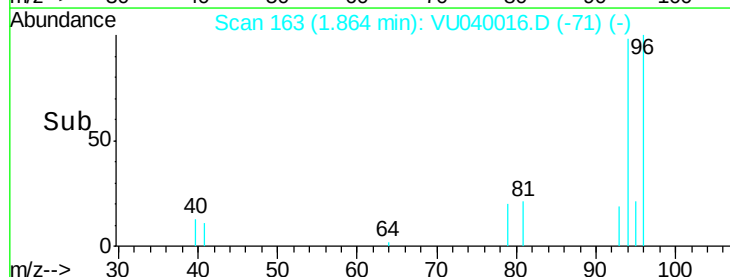
400

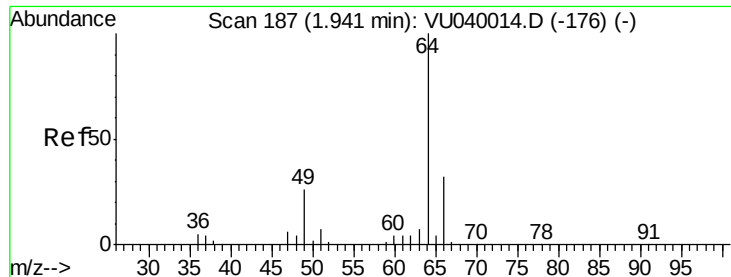
200

0

1.82 1.84 1.86 1.88 1.90

Time-->





#8

Chloroethane

Concen: 0.223 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

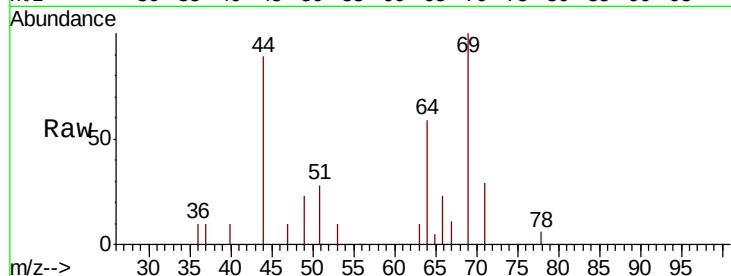
ClientSampleId :

Tot Ion: 64 Resp: 1813

Ion Ratio Lower Upper

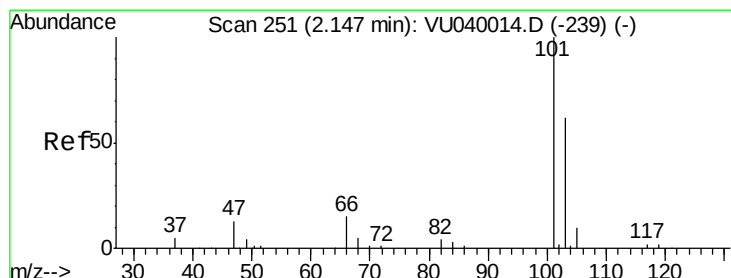
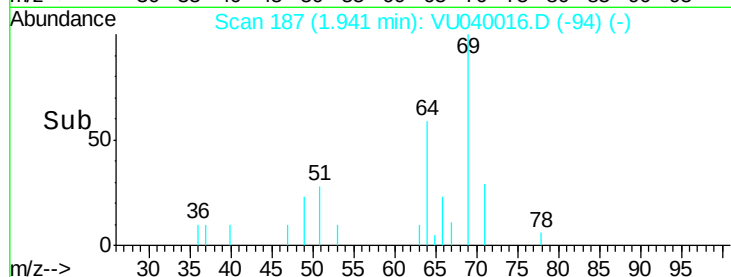
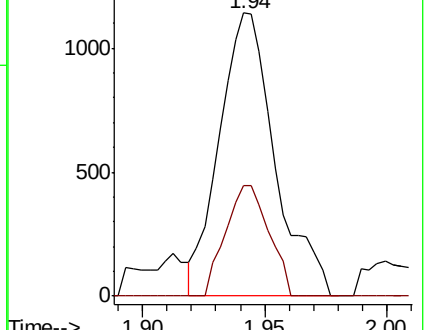
64 100

66 39.2 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040016.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU040016.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 0.210 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040016.D

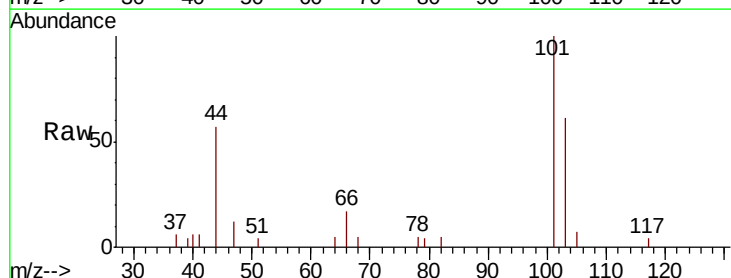
Acq: 02 Sep 2020 10:59

Tgt Ion: 101 Resp: 4066

Ion Ratio Lower Upper

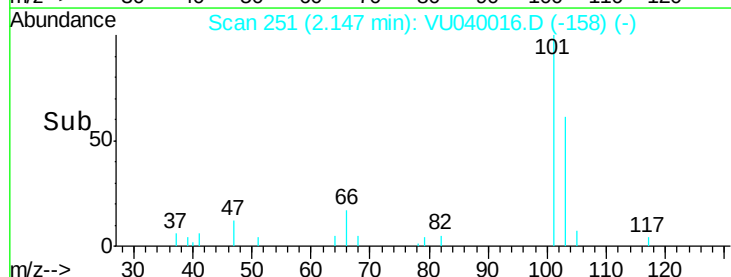
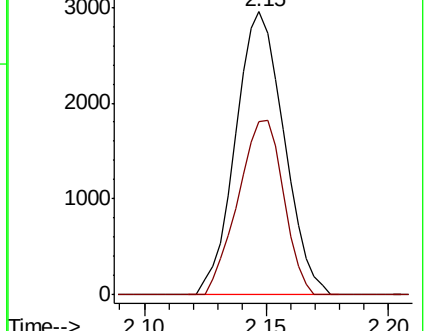
101 100

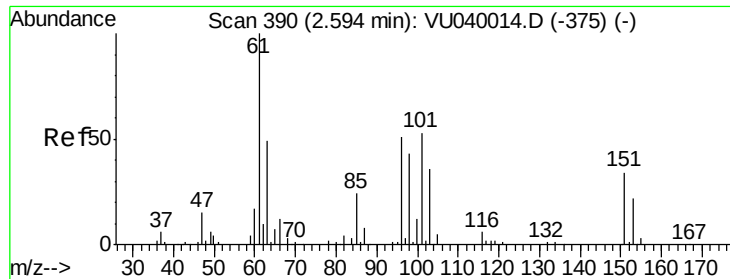
103 57.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040016.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040016.D (-158) (-)





#10

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

Concen: 0.226 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

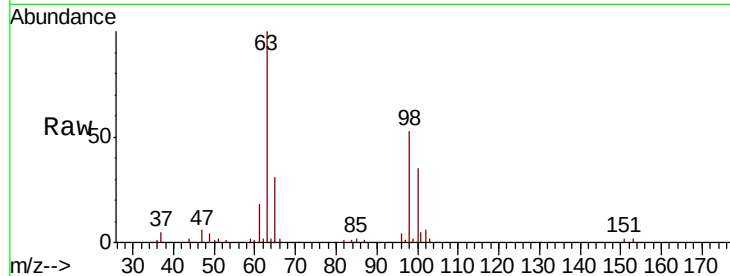
Tot Ion:101 Resp: 2839

Ion Ratio Lower Upper

101 100

85 35.5 37.7 56.5#

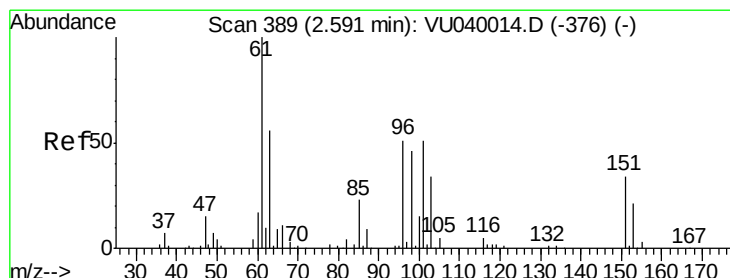
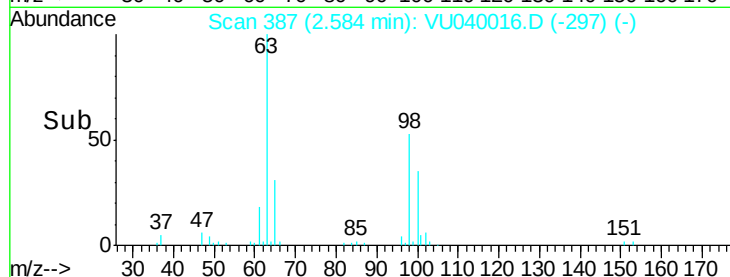
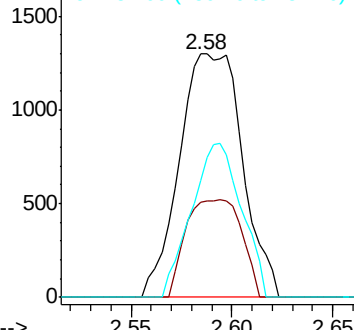
151 50.1 53.9 80.9#



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: 0.219 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

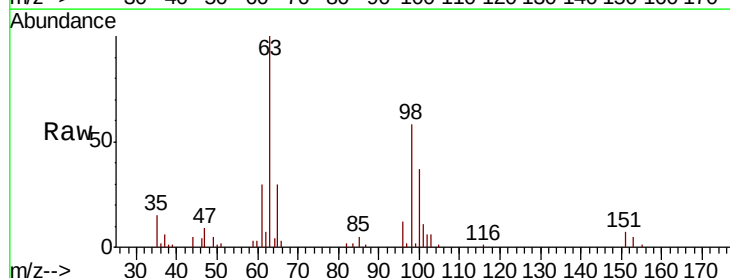
Tgt Ion: 96 Resp: 2376

Ion Ratio Lower Upper

96 100

61 258.8 138.3 256.8#

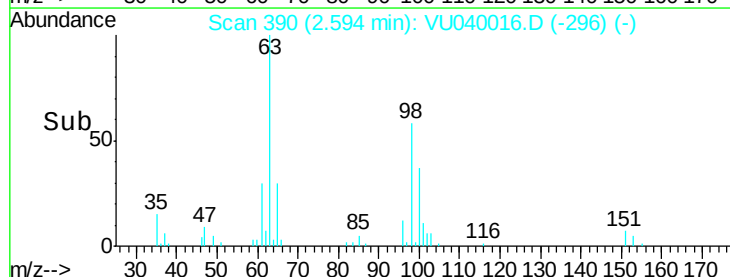
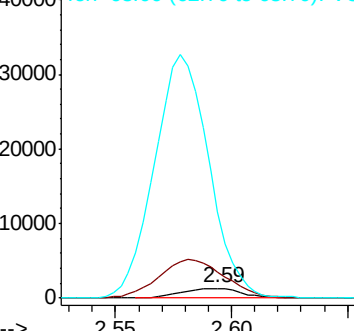
63 860.0 77.6 144.2#

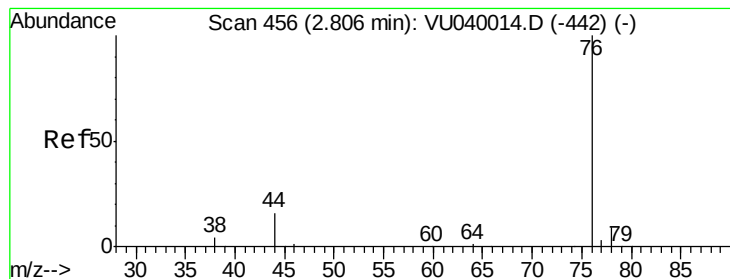


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.196 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

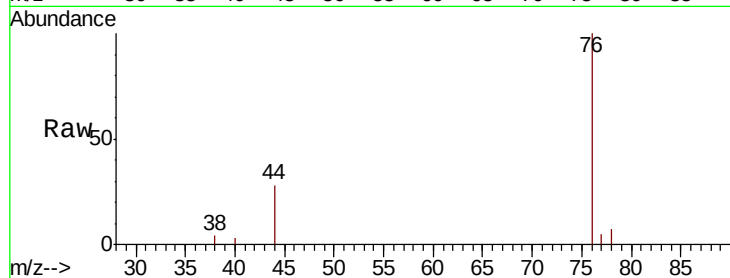
ClientSampled :

Tot Ion: 76 Resp: 6830

Ion Ratio Lower Upper

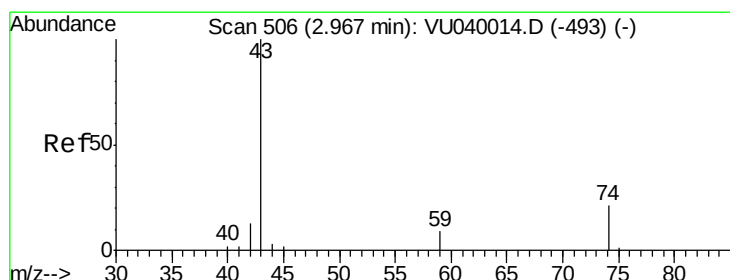
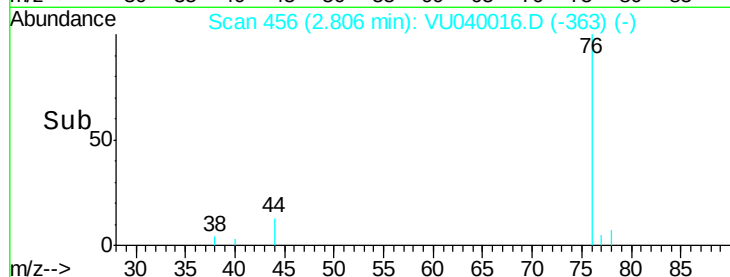
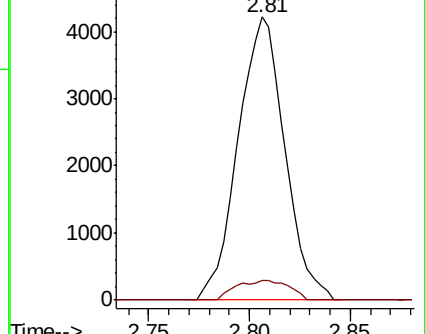
76 100

78 7.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 0.180 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040016.D

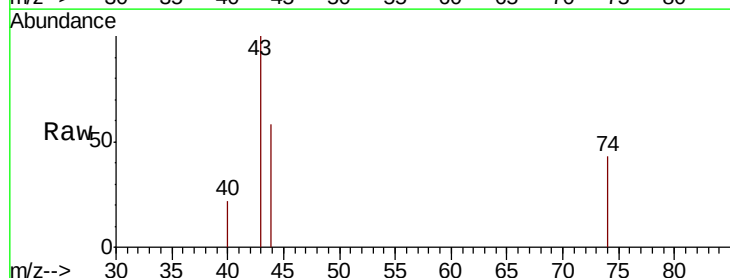
Acq: 02 Sep 2020 10:59

Tgt Ion: 43 Resp: 1283

Ion Ratio Lower Upper

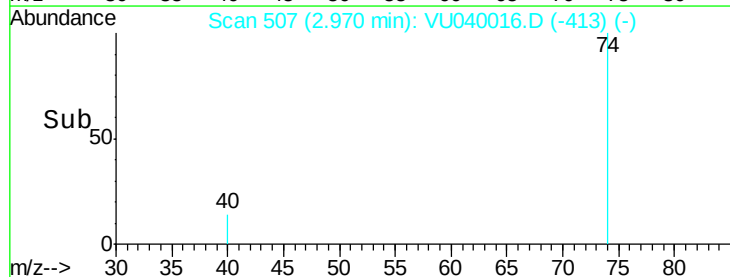
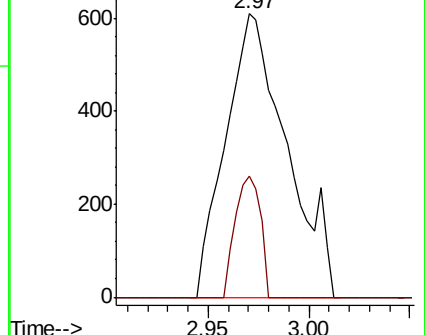
43 100

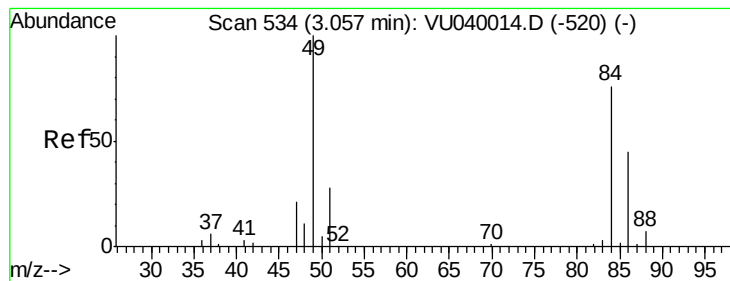
74 17.8 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methylene chloride

Concen: 0.317 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

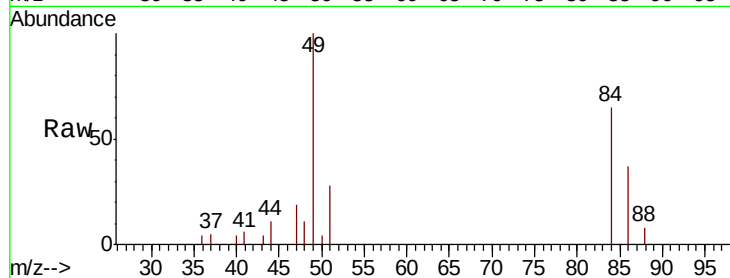
Tot Ion: 84 Resp: 4502

Ion Ratio Lower Upper

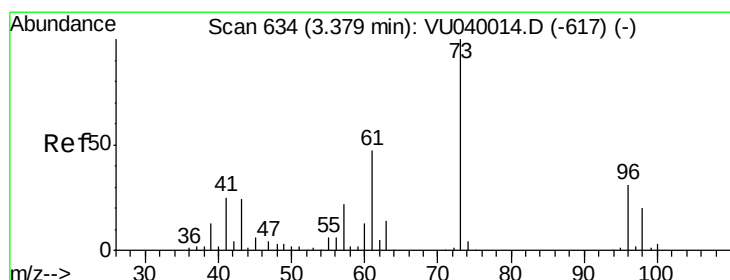
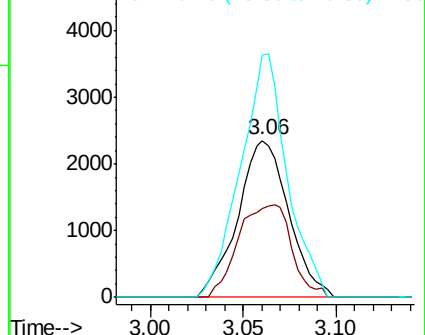
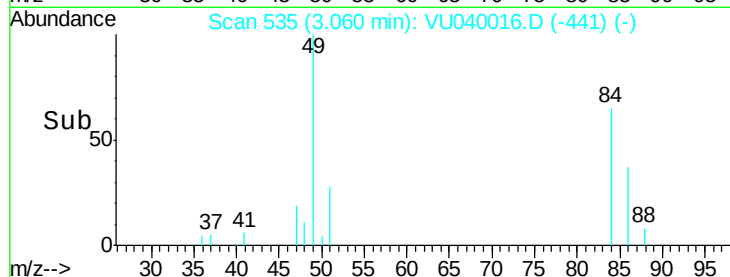
84 100

86 56.6 45.2 84.0

49 154.3 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU040016.D (-441) (-)



#17

Methyl tert-butyl Ether

Concen: 0.184 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

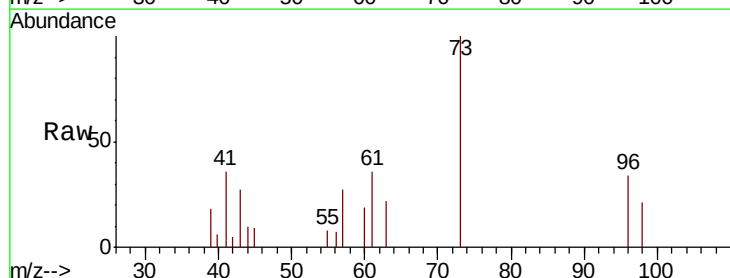
Tgt Ion: 73 Resp: 6021

Ion Ratio Lower Upper

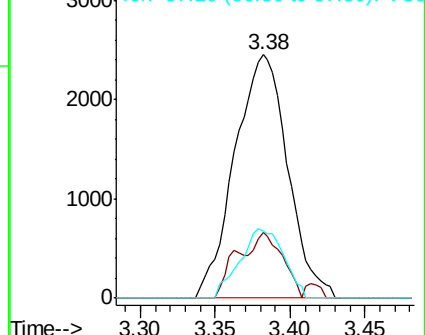
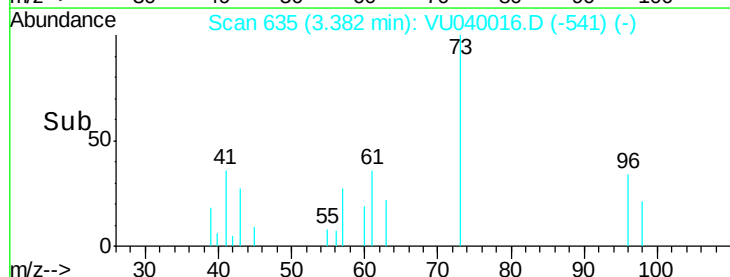
73 100

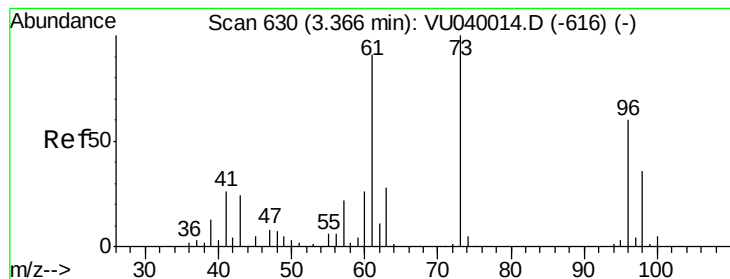
43 16.0 19.1 28.7#

57 23.5 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU040016.D (-541) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.224 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

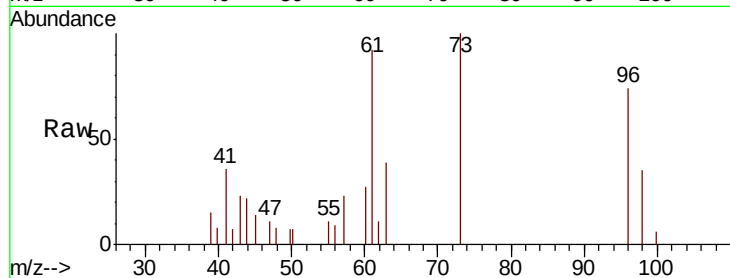
Tot Ion: 96 Resp: 2617

Ion Ratio Lower Upper

96 100

61 124.5 110.5 205.3

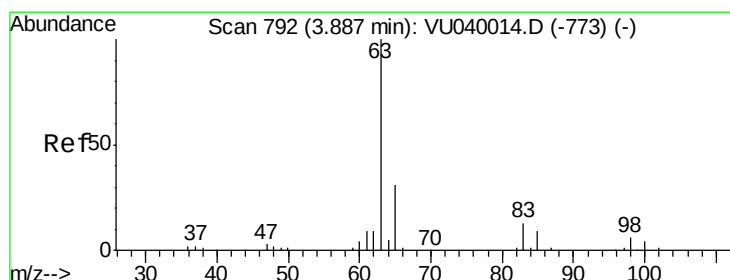
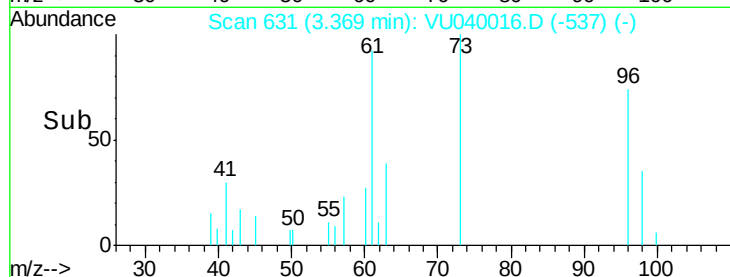
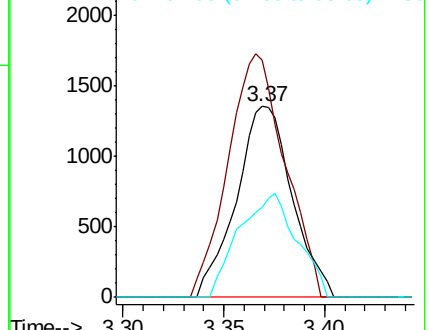
98 47.5 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU040016.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU040016.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU040016.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 0.192 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

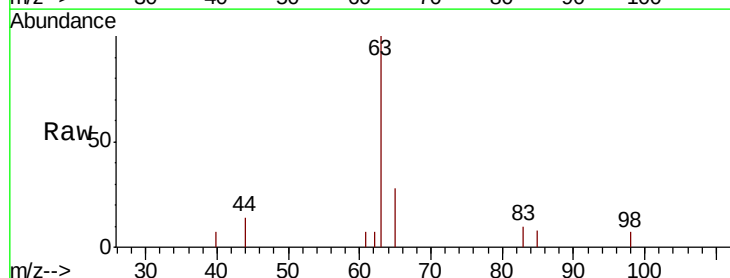
Tgt Ion: 63 Resp: 4604

Ion Ratio Lower Upper

63 100

65 28.1 22.2 41.2

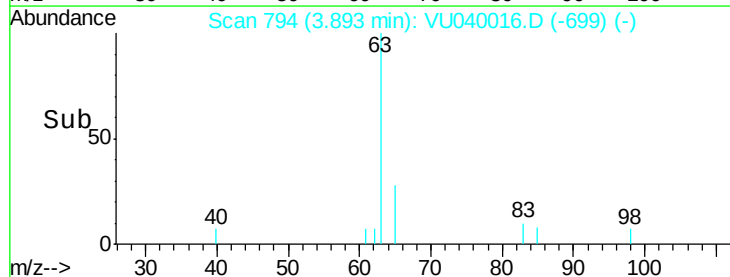
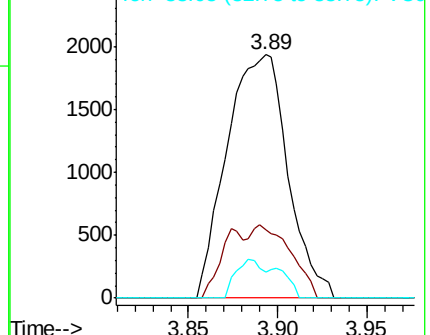
83 10.4 9.4 17.6

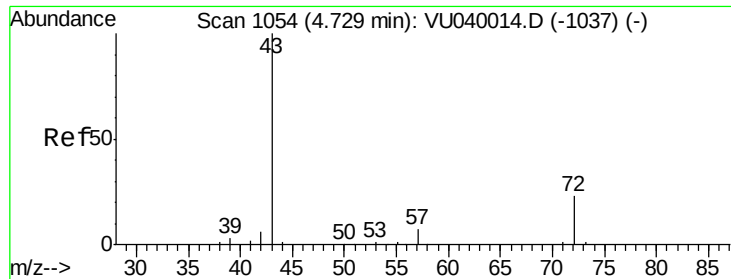


Abundance Ion 63.10 (62.80 to 63.80): VU040016.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040016.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040016.D (-699) (-)





#21

2-Butanone

Concen: 2.190 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

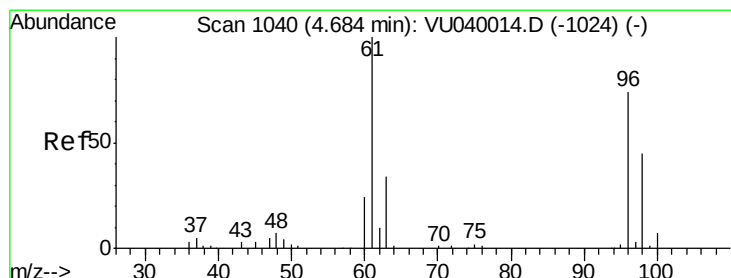
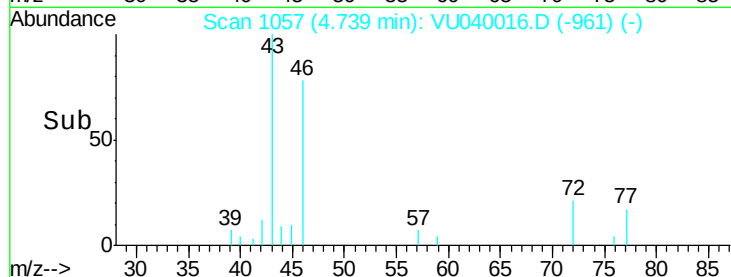
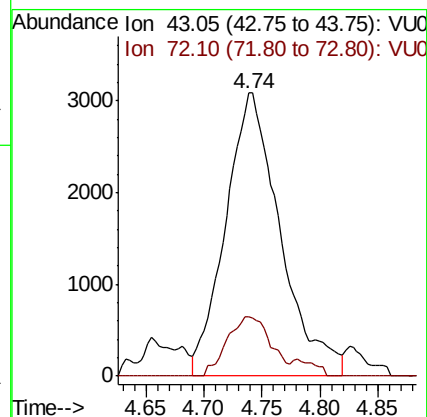
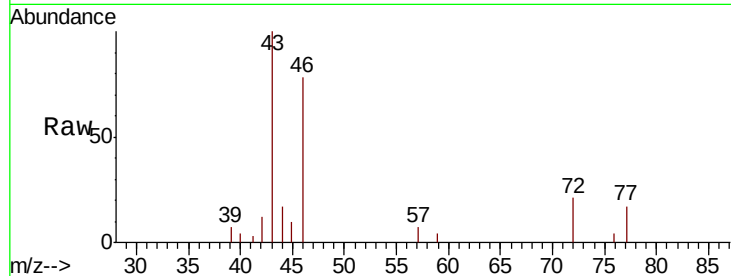
ClientSampleId :

Tot Ion: 43 Resp: 10136

Ion Ratio Lower Upper

43 100

72 16.6 11.7 35.0



#22

cis-1,2-Dichloroethene

Concen: 0.209 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

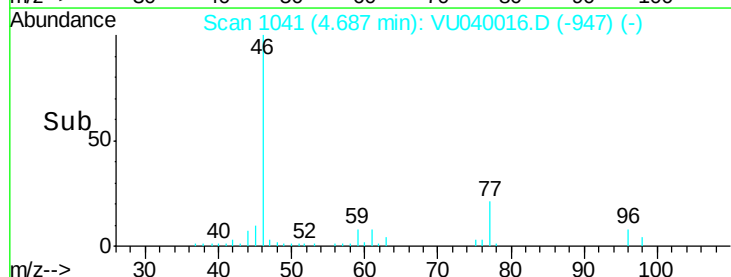
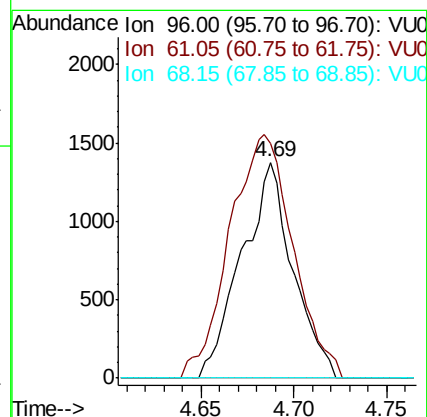
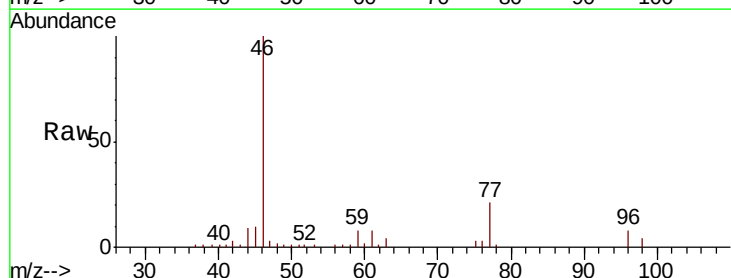
Tgt Ion: 96 Resp: 2629

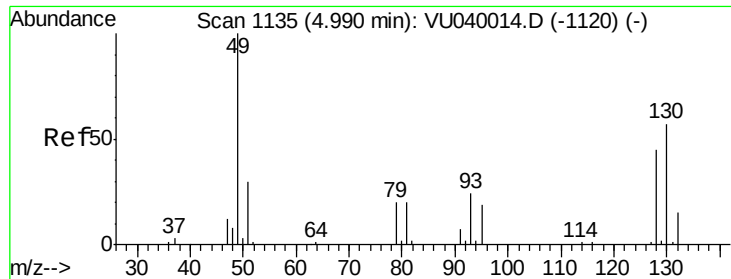
Ion Ratio Lower Upper

96 100

61 109.2 98.8 183.4

68 0.0 0.0 0.0

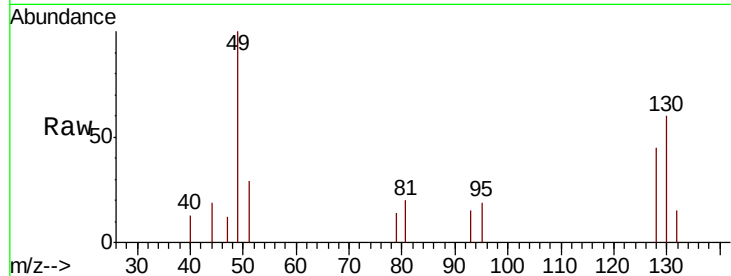




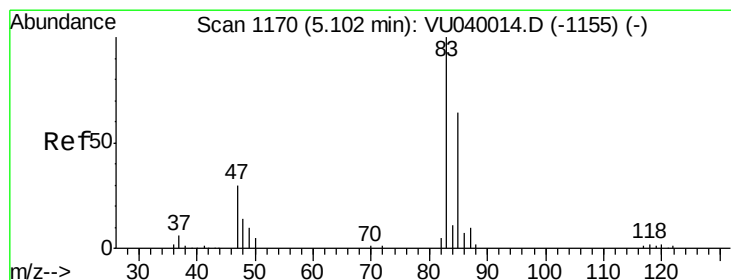
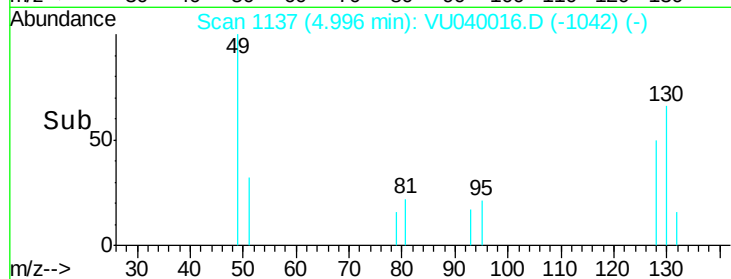
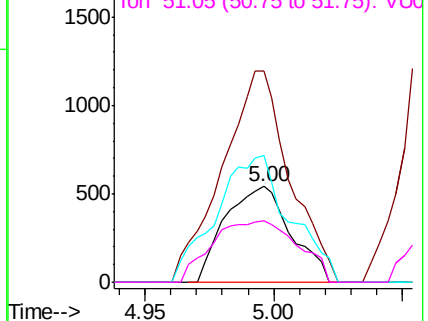
#23
Bromochloromethane
Concen: 0.175 ug/L
RT: 5.00 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 963
Ion Ratio Lower Upper
128 100
49 220.7 143.4 266.4
130 132.7 89.5 166.3
51 64.5 51.0 76.4

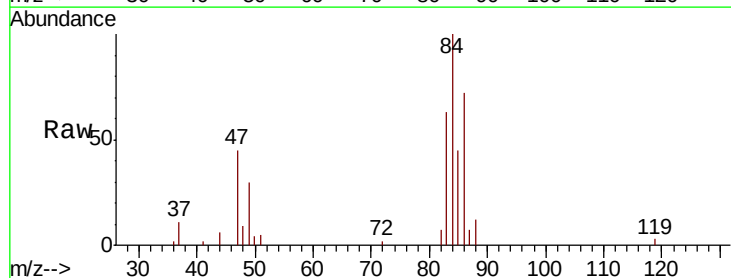


Abundance Ion 127.90 (127.60 to 128.60): VU040016.D (-1137) (-)
Ion 49.10 (48.80 to 49.80): VU040016.D (-1137) (-)
Ion 129.95 (129.65 to 130.65): VU040016.D (-1137) (-)
Ion 51.05 (50.75 to 51.75): VU040016.D (-1137) (-)

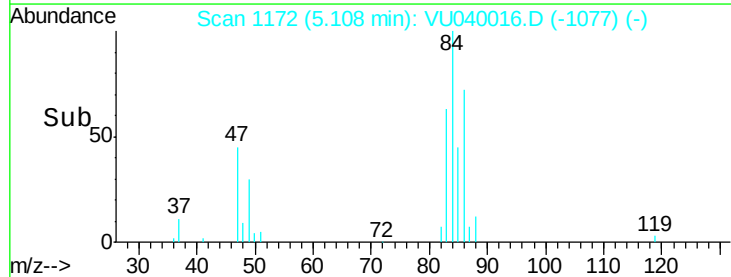
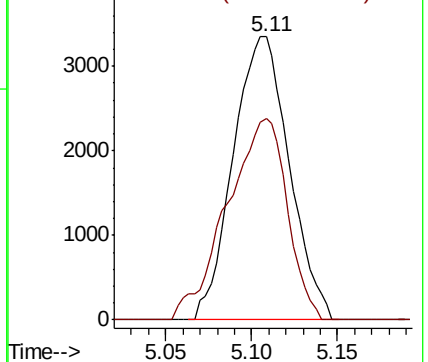


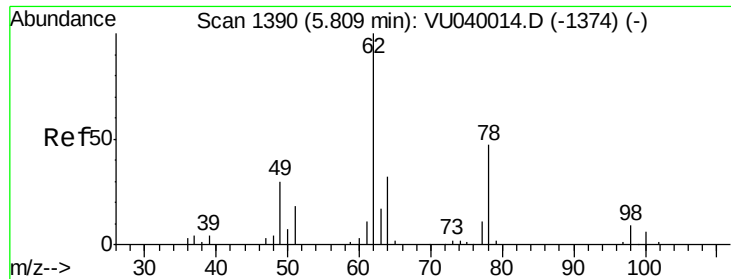
#25
Chloroform
Concen: 0.308 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion: 83 Resp: 7591
Ion Ratio Lower Upper
83 100
85 71.0 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040016.D (-1077) (-)
Ion 85.00 (84.70 to 85.70): VU040016.D (-1077) (-)

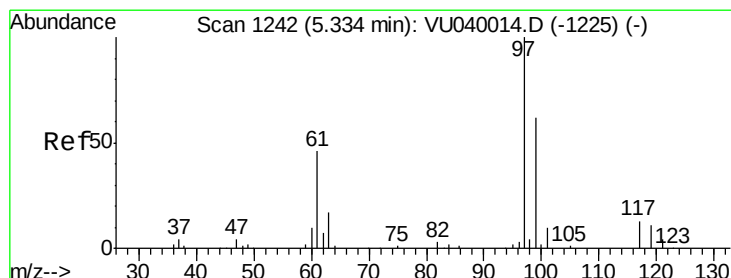
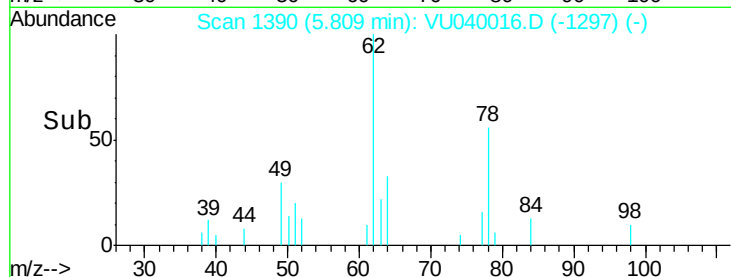
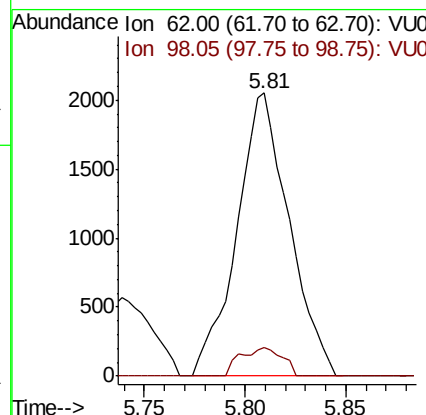
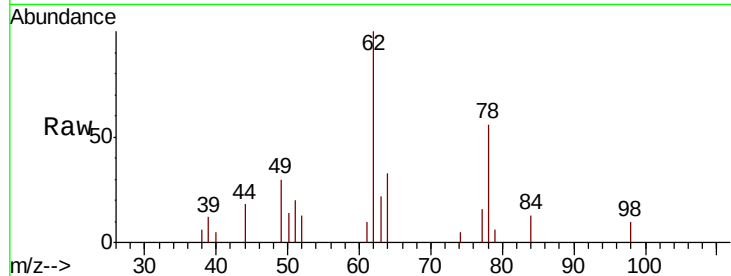




#27
 1,2-Dichloroethane
 Concen: 0.206 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

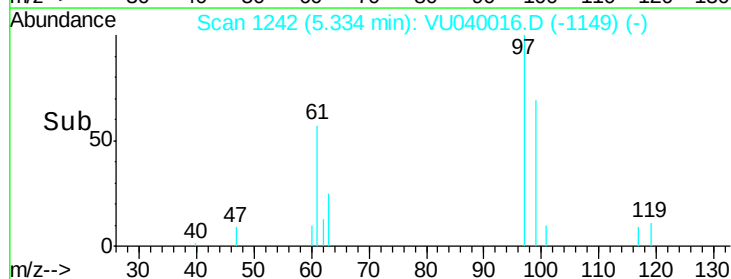
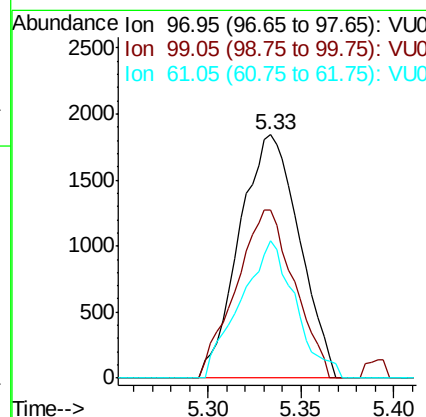
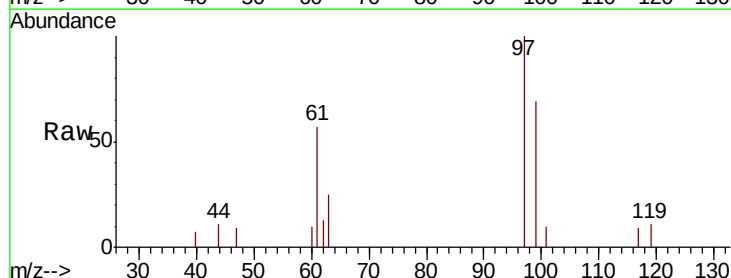
Instrument :
 MSVOA_U
 ClientSampled :

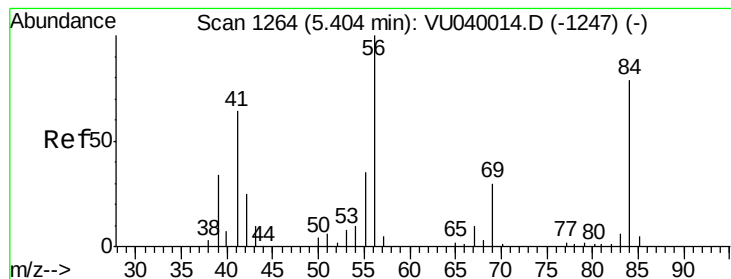
Tot Ion: 62 Resp: 3720
 Ion Ratio Lower Upper
 62 100
 98 10.3 6.1 9.1#



#29
 1,1,1-Trichloroethane
 Concen: 0.192 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion: 97 Resp: 4144
 Ion Ratio Lower Upper
 97 100
 99 67.0 50.9 76.3
 61 51.6 39.5 59.3





#30

Cyclohexane

Concen: 0.159 ug/L

RT: 5.41 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

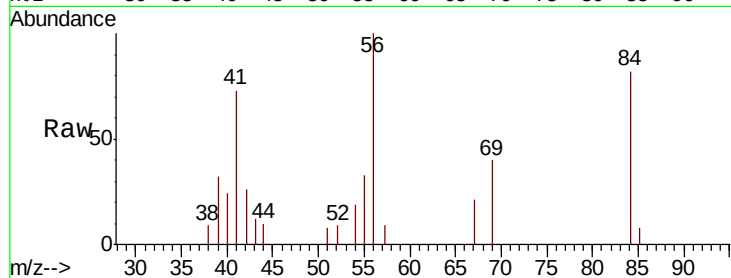
Tot Ion: 56 Resp: 3338

Ion Ratio Lower Upper

56 100

69 27.3 24.1 36.1

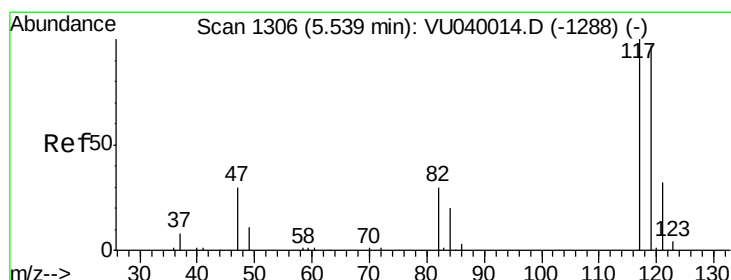
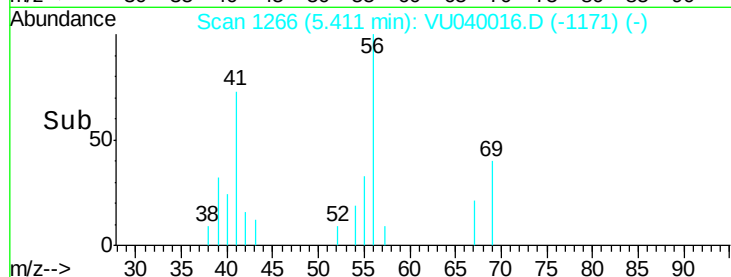
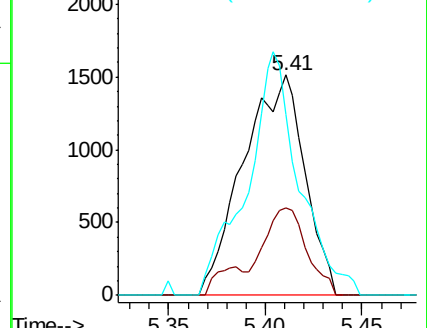
84 94.5 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU040016.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040016.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040016.D (-1171) (-)



#31

Carbon tetrachloride

Concen: 0.204 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040016.D

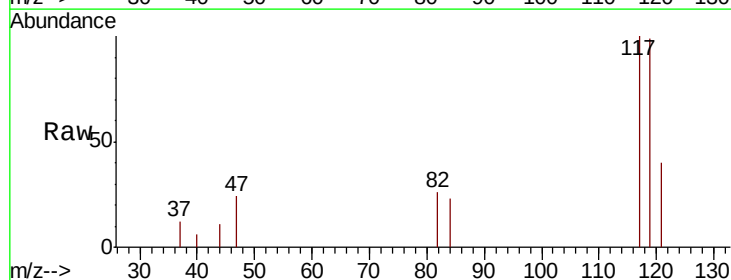
Acq: 02 Sep 2020 10:59

Tgt Ion: 117 Resp: 3767

Ion Ratio Lower Upper

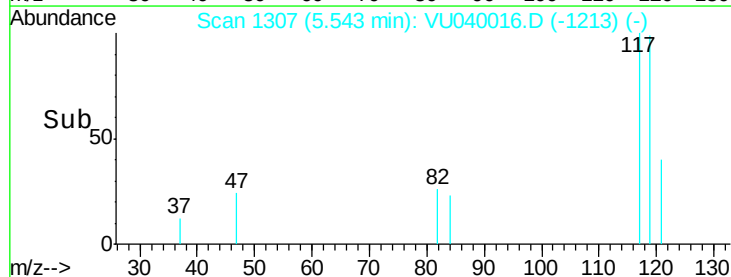
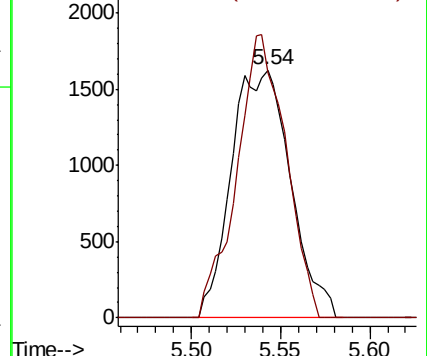
117 100

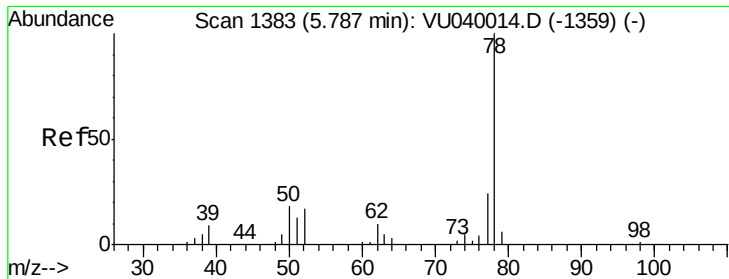
119 94.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VU040016.D (-1213) (-)

Ion 118.90 (118.60 to 119.60): VU040016.D (-1213) (-)

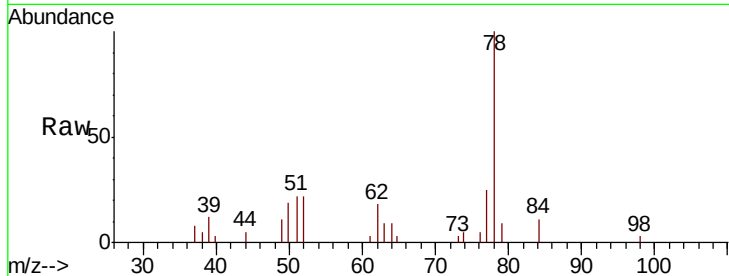




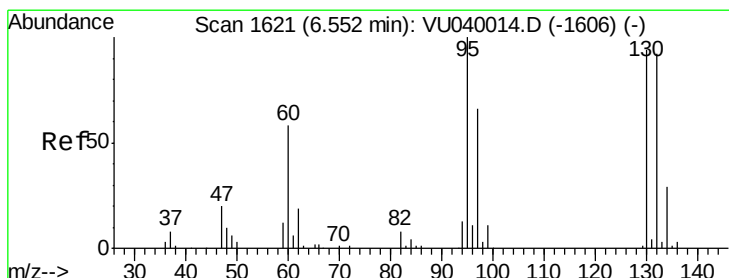
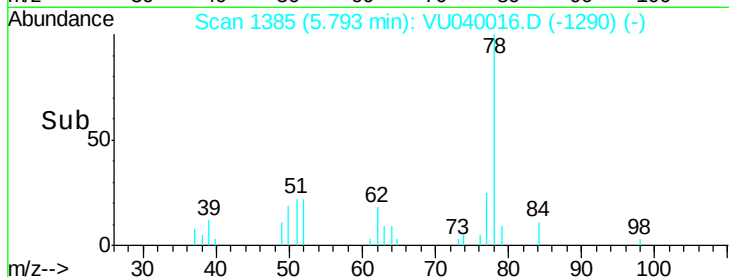
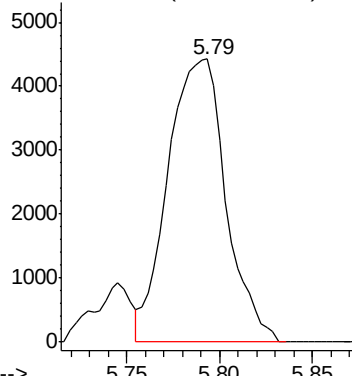
#33
Benzene
Concen: 0.195 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.01 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 9610

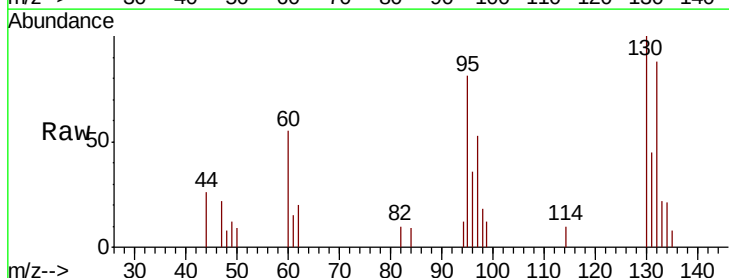


Abundance Ion 78.10 (77.80 to 78.80): VU0



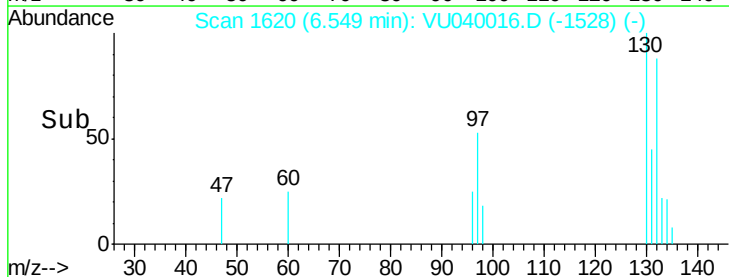
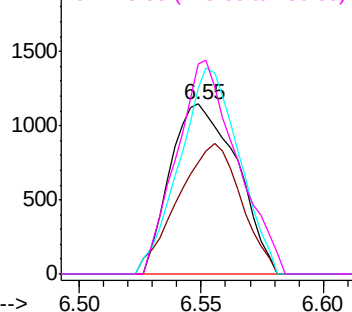
#34
Trichloroethene
Concen: 0.165 ug/L
RT: 6.55 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

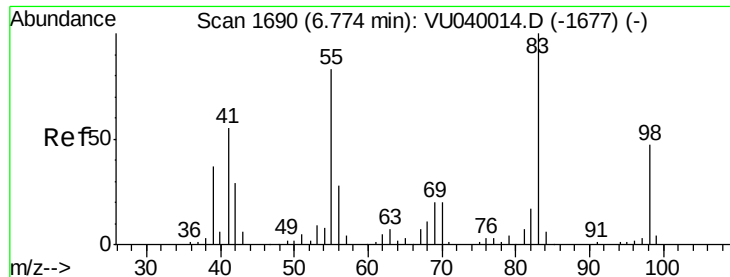
Tgt Ion: 95 Resp: 2177
Ion Ratio Lower Upper
95 100
97 65.6 43.3 80.5
132 108.9 59.4 110.4
130 123.3 64.8 120.4#



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

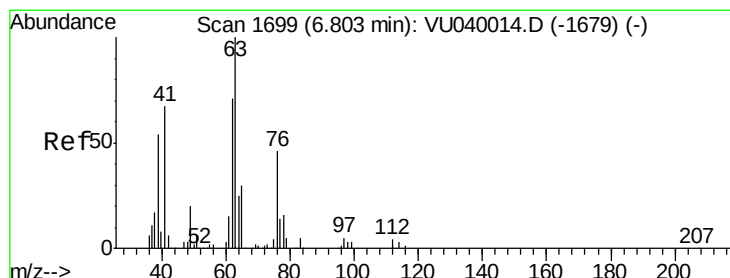
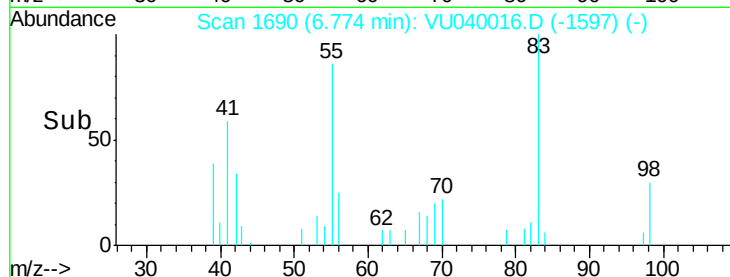
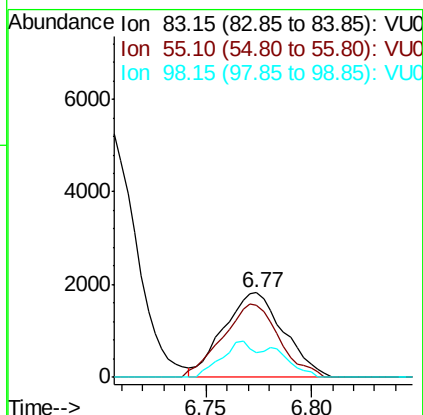
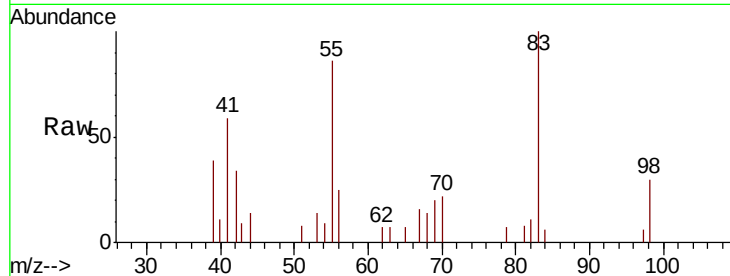




#35
Methylvlcyclohexane
Concen: 0.178 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

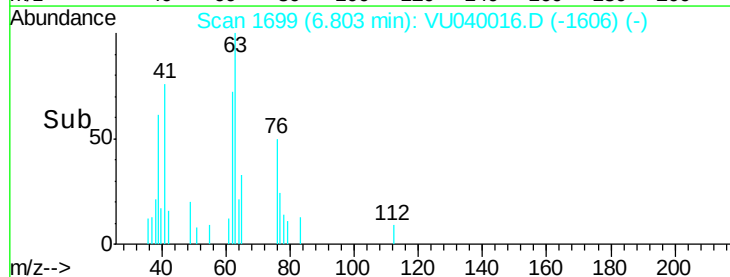
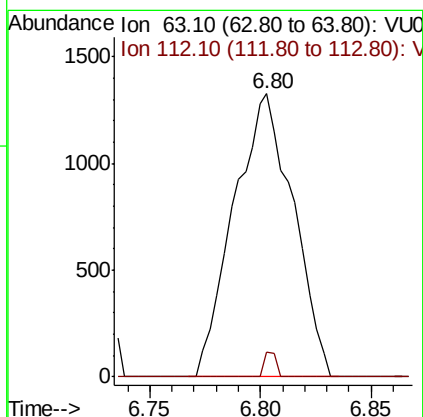
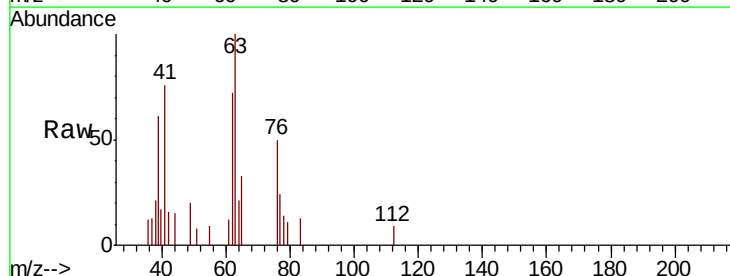
Instrument :
MSVOA_U
ClientSampleId :

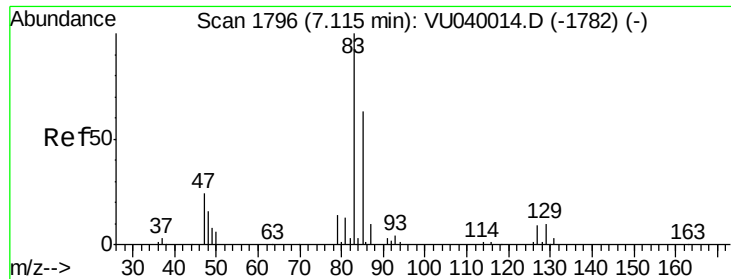
Tot Ion: 83 Resp: 3602
Ion Ratio Lower Upper
83 100
55 81.9 70.5 105.7
98 23.2 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.186 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion: 63 Resp: 2477
Ion Ratio Lower Upper
63 100
112 1.8 3.2 4.8#





#38

Bromodichloromethane

Concen: 0.185 ug/L

RT: 7.12 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

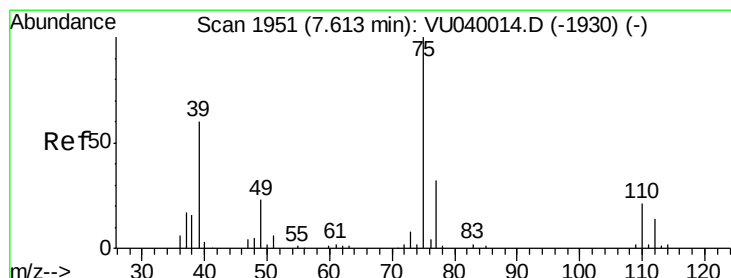
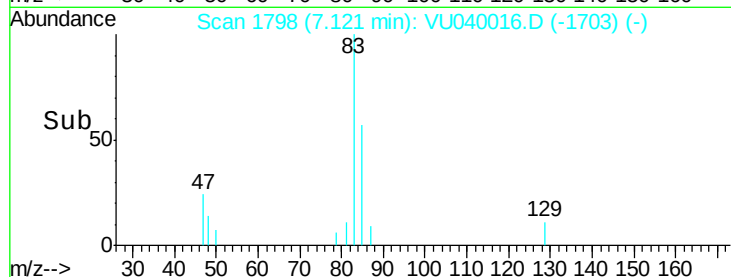
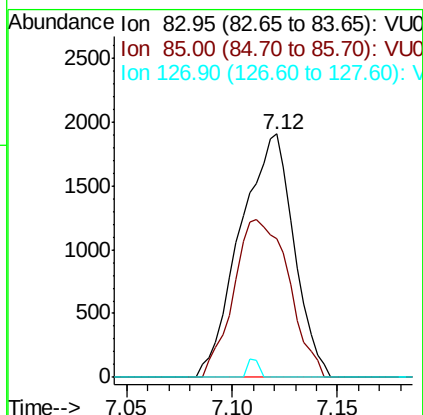
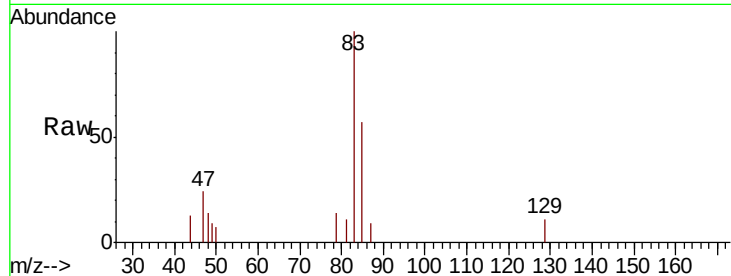
Tot Ion: 83 Resp: 3372

Ion Ratio Lower Upper

83 100

85 56.8 45.1 83.9

127 0.0 6.7 10.1#



#39

cis-1,3-Dichloropropene

Concen: 0.180 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040016.D

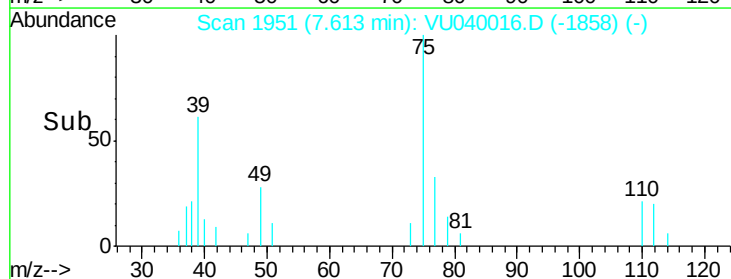
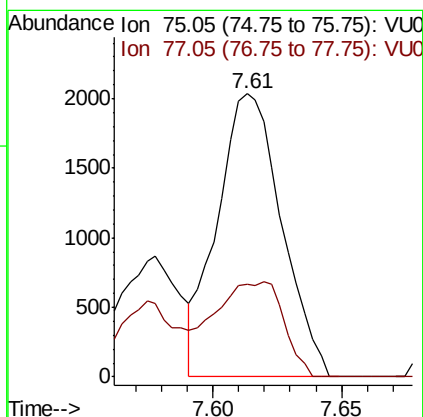
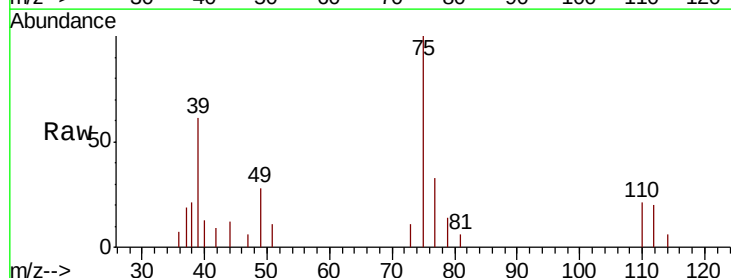
Acq: 02 Sep 2020 10:59

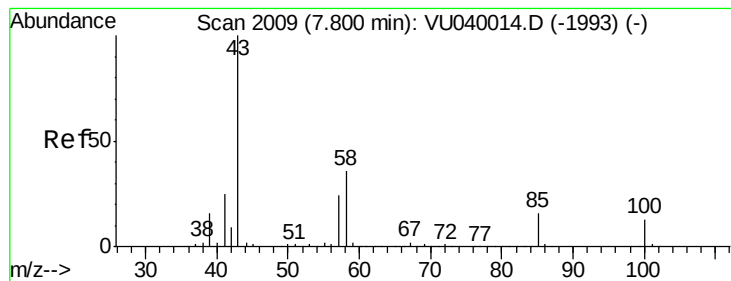
Tgt Ion: 75 Resp: 3537

Ion Ratio Lower Upper

75 100

77 32.8 21.1 39.3





#40

4-Methyl-2-pentanone

Concen: 1.957 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

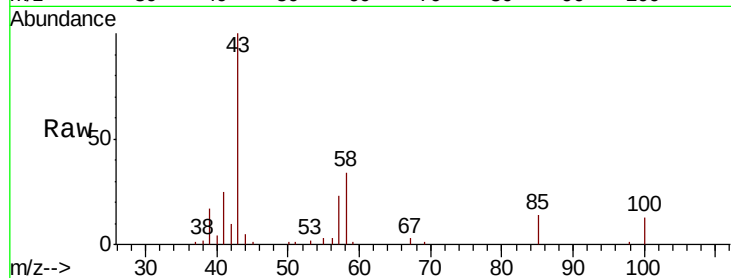
Tot Ion: 43 Resp: 21392

Ion Ratio Lower Upper

43 100

58 35.0 28.7 43.1

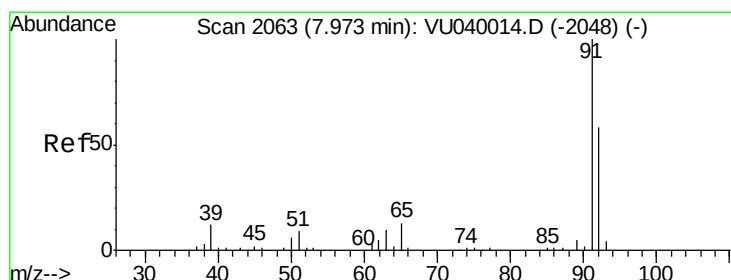
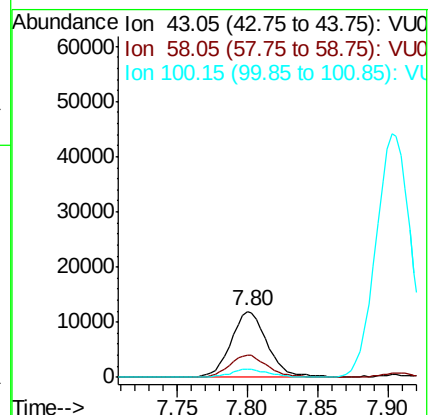
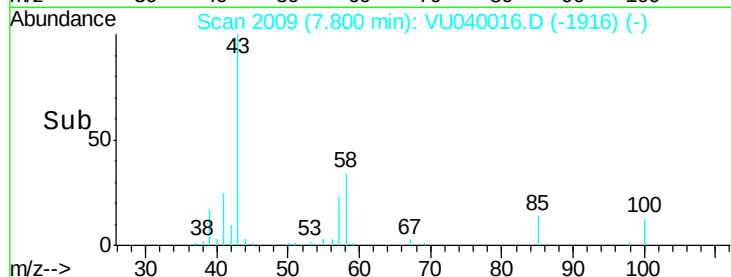
100 12.8 10.2 15.2



Abundance Ion 43.05 (42.75 to 43.75): VU040016.D (-1916) (-)

Ion 58.05 (57.75 to 58.75): VU040016.D (-1916) (-)

Ion 100.15 (99.85 to 100.85): VU040016.D (-1916) (-)



#42

Toluene

Concen: 0.199 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040016.D

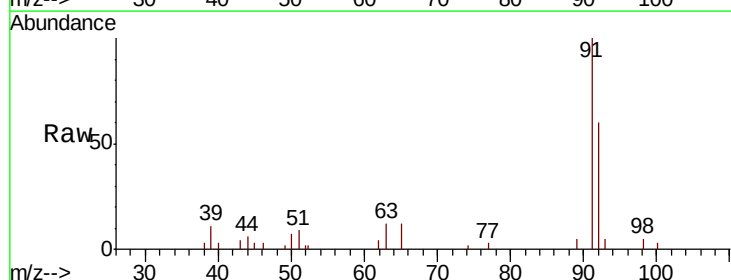
Acq: 02 Sep 2020 10:59

Tgt Ion: 91 Resp: 10085

Ion Ratio Lower Upper

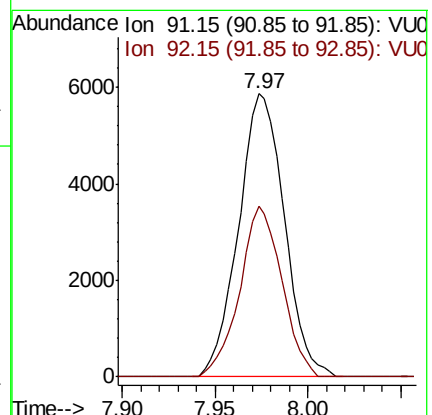
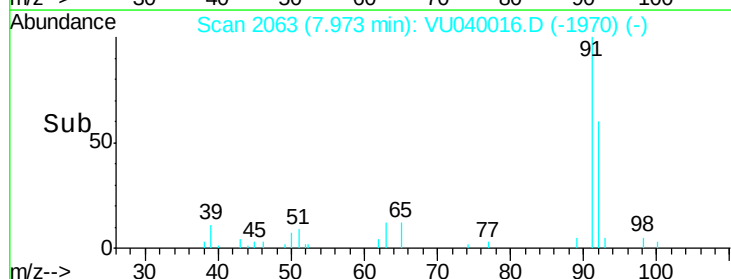
91 100

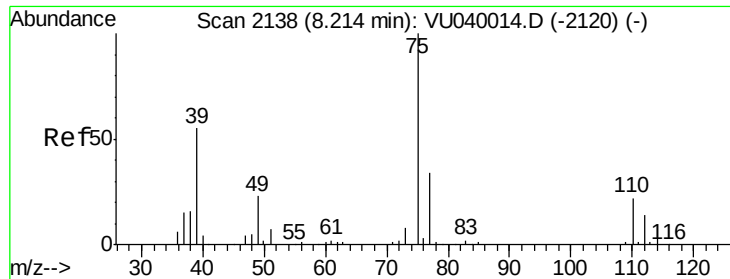
92 60.1 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040016.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040016.D (-1970) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.202 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

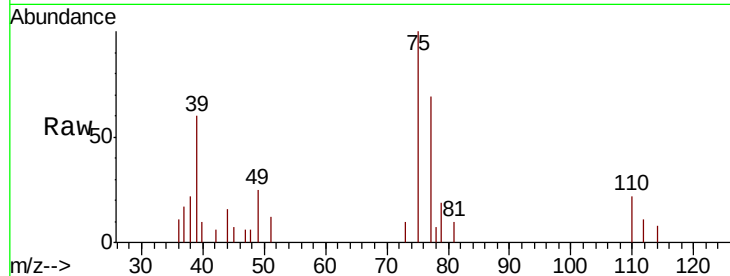
ClientSampleId :

Tot Ion: 75 Resp: 3677

Ion Ratio Lower Upper

75 100

77 69.0 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040014.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040014.D (-2120) (-)

8.22

1500

1000

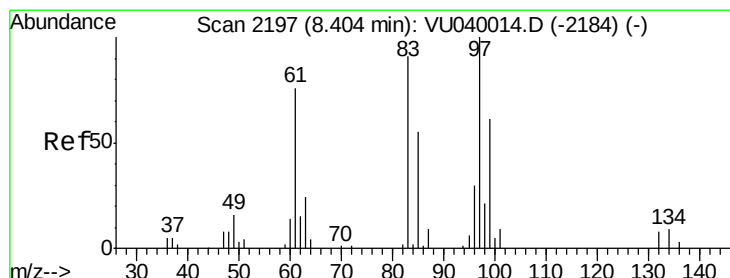
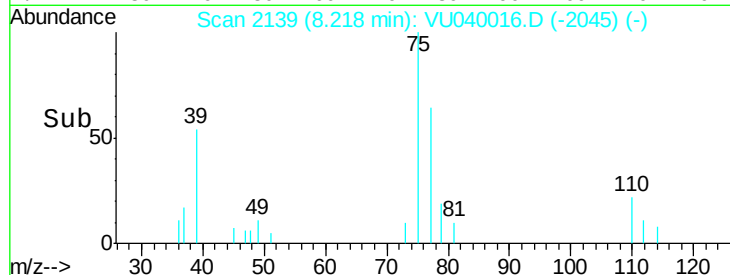
500

0

8.20

8.25

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.196 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion: 97 Resp: 1899

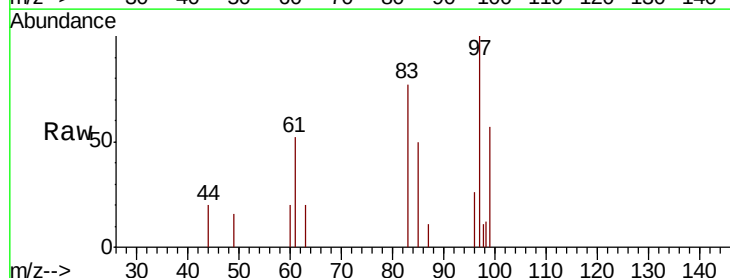
Ion Ratio Lower Upper

97 100

99 56.6 43.0 79.8

83 77.3 61.7 114.7

85 50.4 39.3 73.1



Abundance Ion 96.95 (96.65 to 97.65): VU040014.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU040014.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU040014.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU040014.D (-2184) (-)

8.41

1500

1000

500

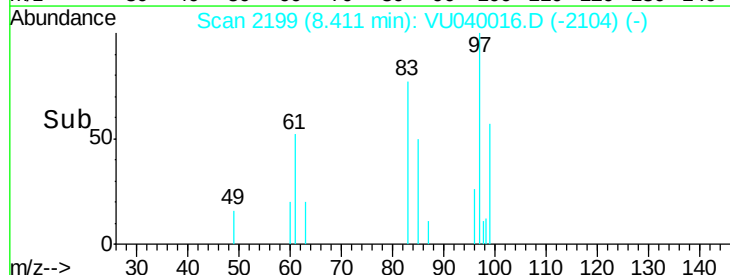
0

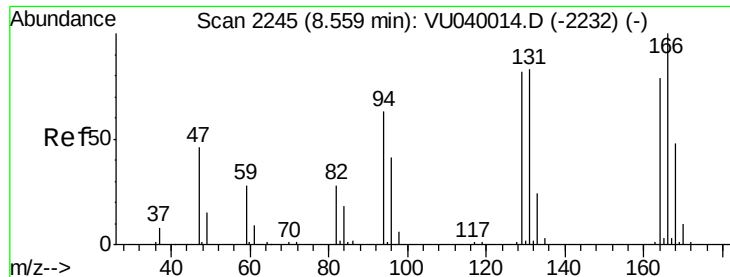
8.35

8.40

8.45

Time-->





#47

Tetrachloroethene

Concen: 0.179 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 1550

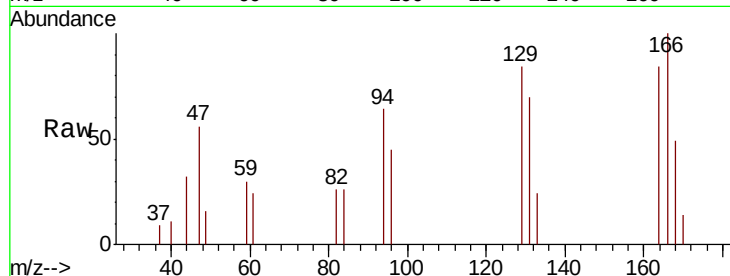
Ion Ratio Lower Upper

164 100

129 99.5 71.5 132.7

131 83.5 65.9 122.5

166 119.1 87.3 162.1

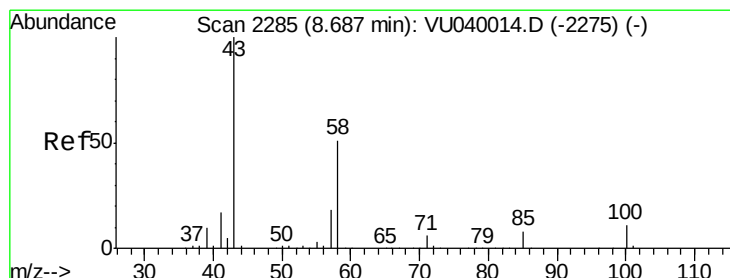
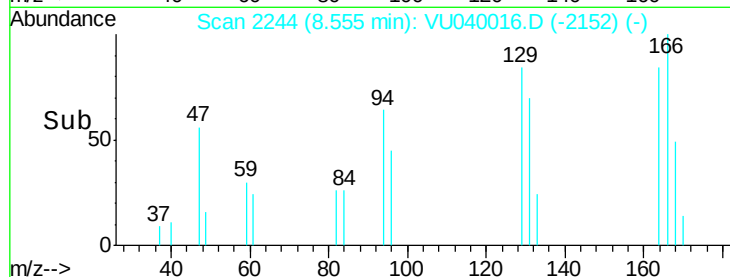
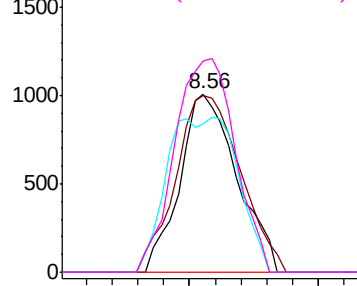


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.193 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion: 43 Resp: 17486

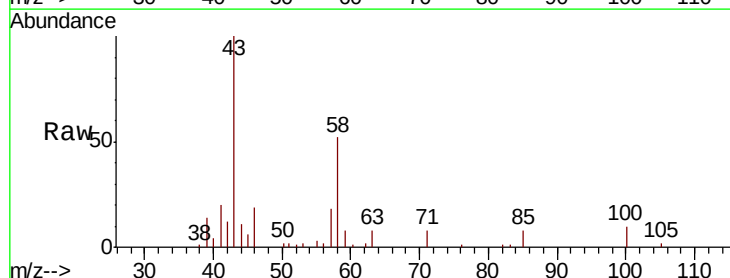
Ion Ratio Lower Upper

43 100

58 54.2 39.6 59.4

57 19.6 14.3 21.5

100 10.0 8.0 12.0

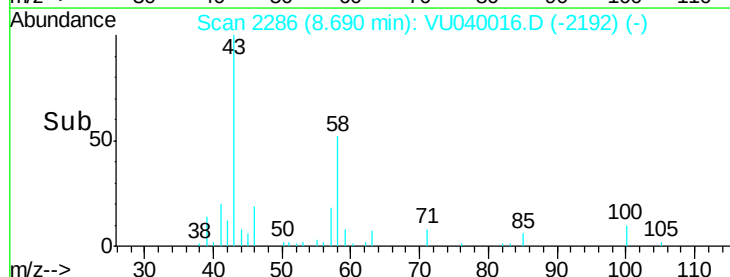
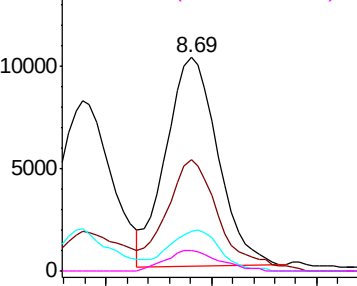


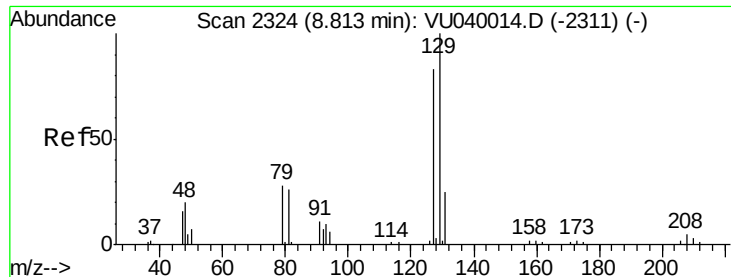
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

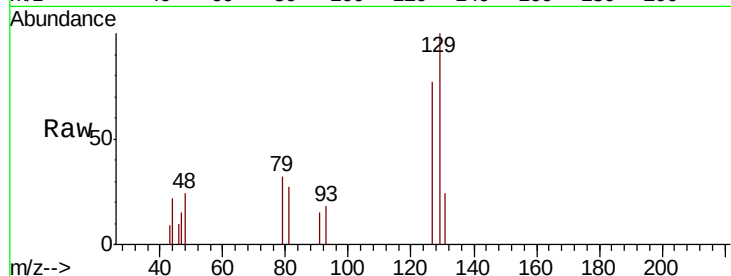




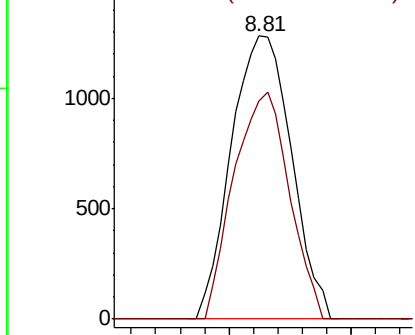
#49
 Dibromochloromethane
 Concen: 0.189 ug/L
 RT: 8.81 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :

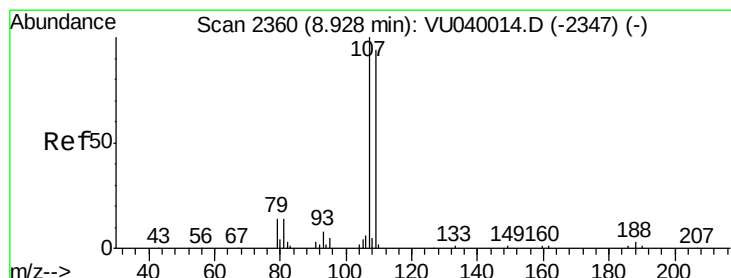
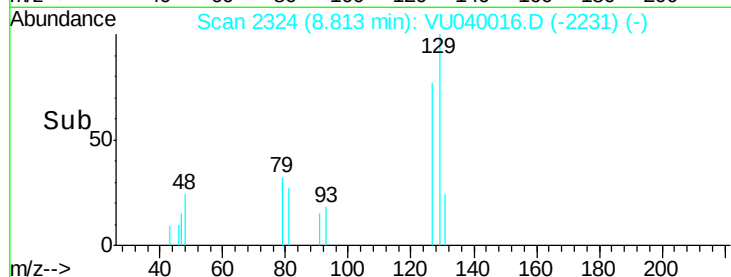
Tot Ion:129 Resp: 2198
 Ion Ratio Lower Upper
 129 100
 127 77.1 53.7 99.7



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

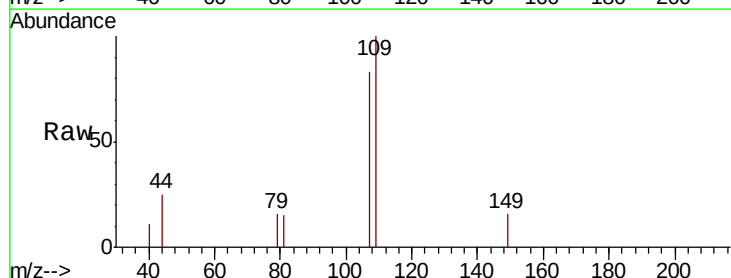


Time-->

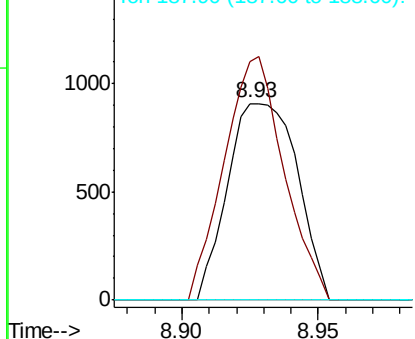


#50
 1,2-Dibromoethane
 Concen: 0.173 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

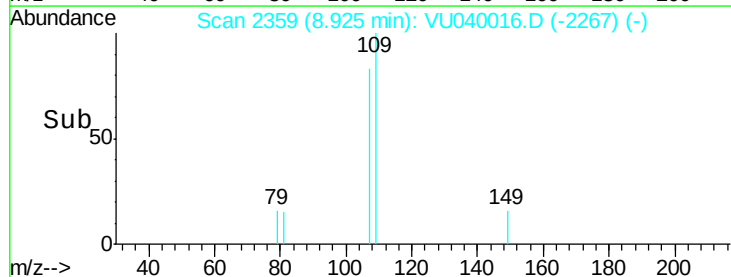
Tgt Ion:107 Resp: 1616
 Ion Ratio Lower Upper
 107 100
 109 121.2 62.4 115.8#
 188 0.0 2.3 3.5#

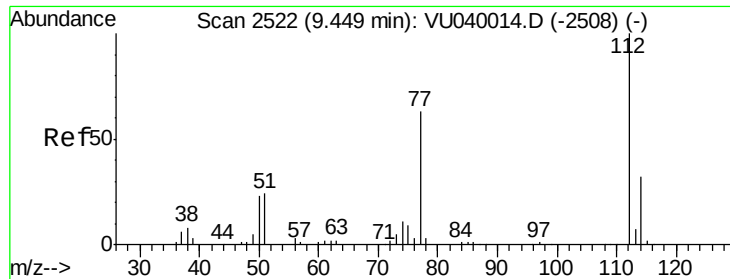


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V



Time-->

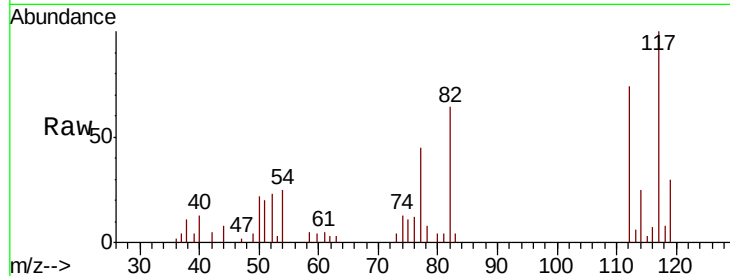




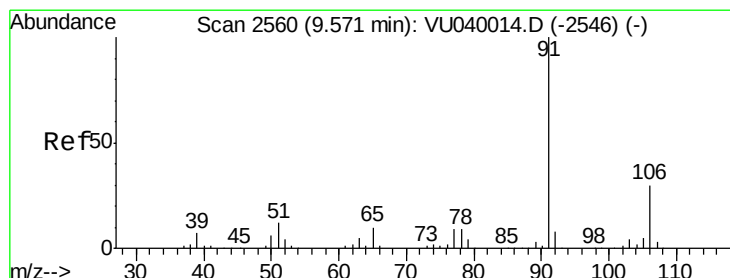
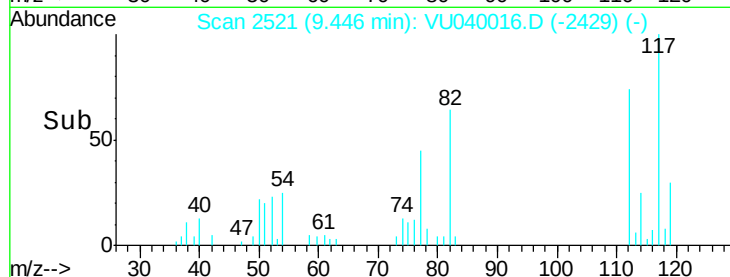
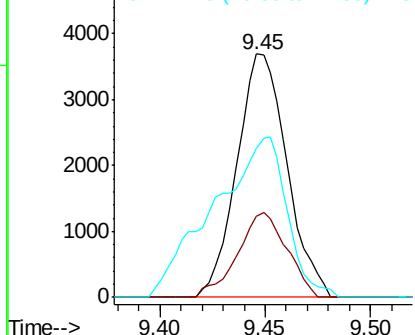
#51
Chlorobenzene
Concen: 0.194 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 6093
Ion Ratio Lower Upper
112 100
114 33.4 22.7 42.3
77 60.9 53.2 79.8

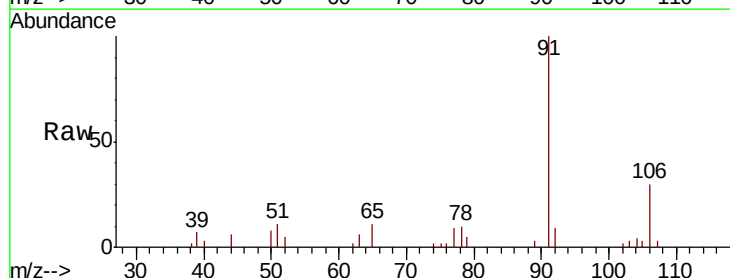


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

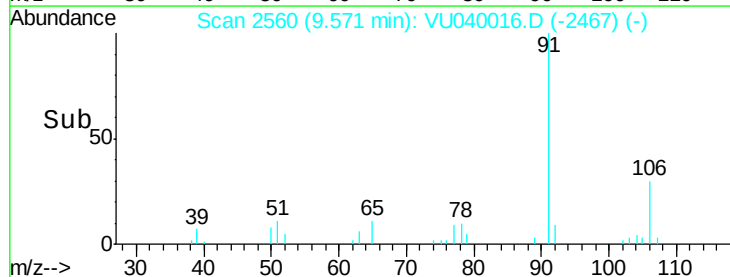
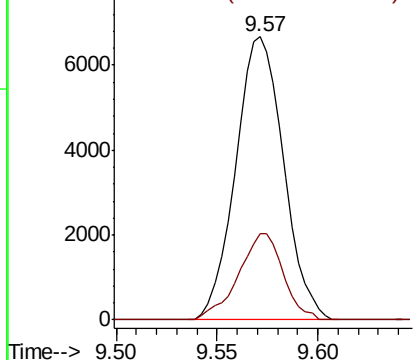


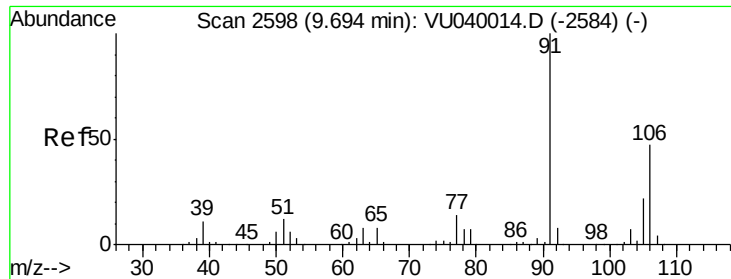
#52
Ethylbenzene
Concen: 0.193 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion: 91 Resp: 11087
Ion Ratio Lower Upper
91 100
106 30.5 21.0 39.0



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





#53

m,p-Xylene

Concen: 0.194 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

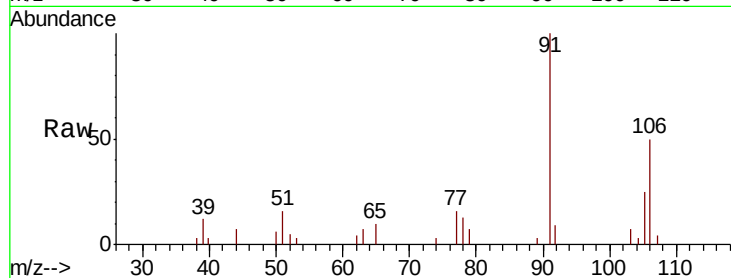
ClientSampleId :

Tot Ion:106 Resp: 3967

Ion Ratio Lower Upper

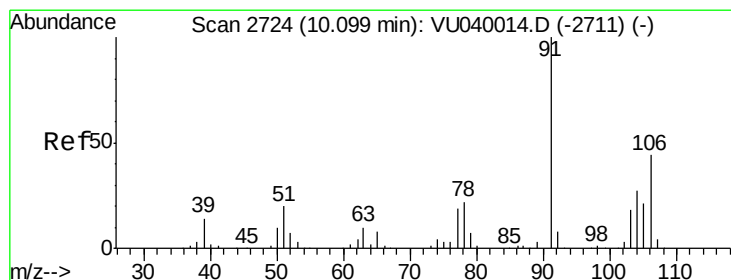
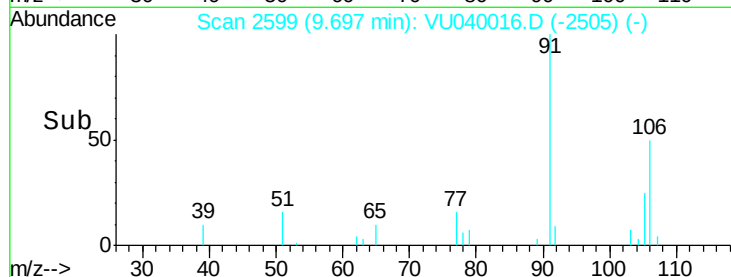
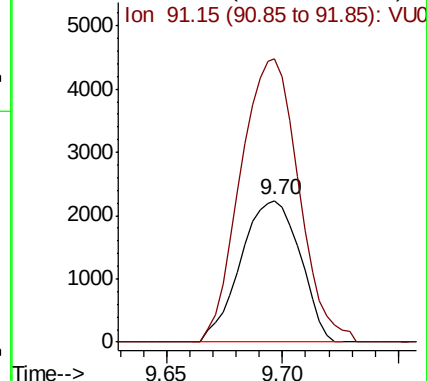
106 100

91 199.4 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.169 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040016.D

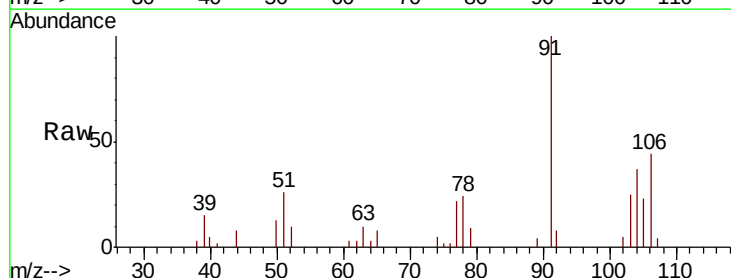
Acq: 02 Sep 2020 10:59

Tgt Ion:106 Resp: 3297

Ion Ratio Lower Upper

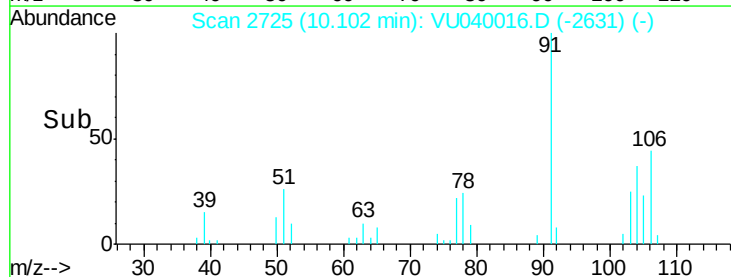
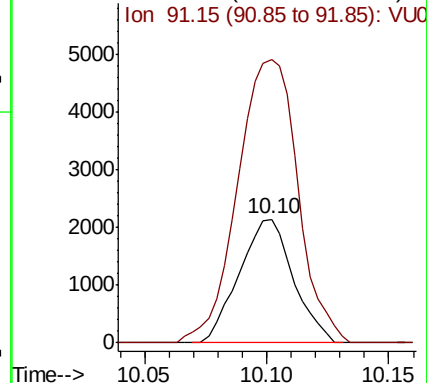
106 100

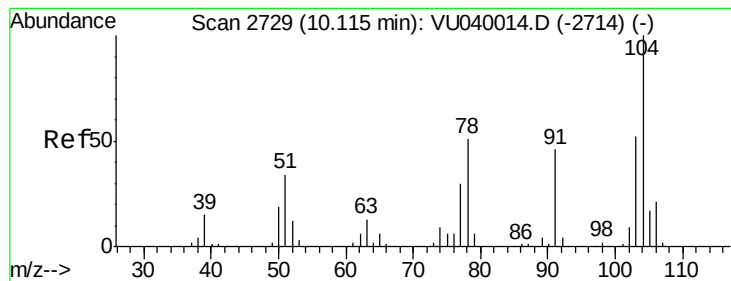
91 228.8 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Stvrene

Concen: 0.173 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

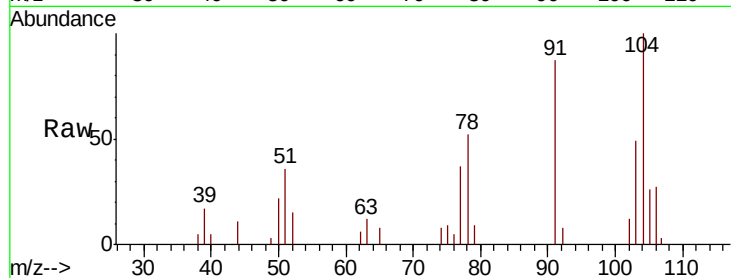
ClientSampled :

Tot Ion:104 Resp: 5868

Ion Ratio Lower Upper

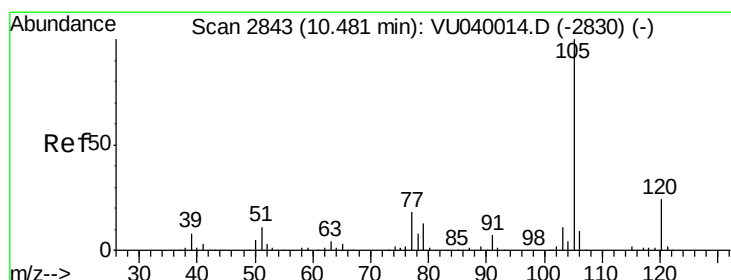
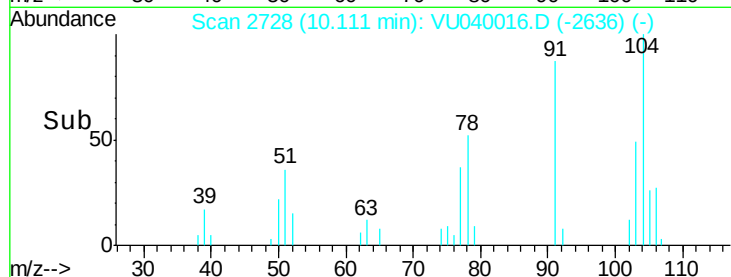
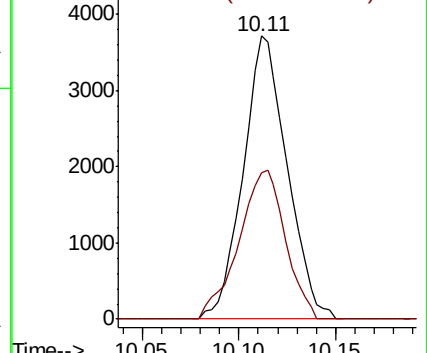
104 100

78 51.9 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU



#56

Isopropylbenzene

Concen: 0.170 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

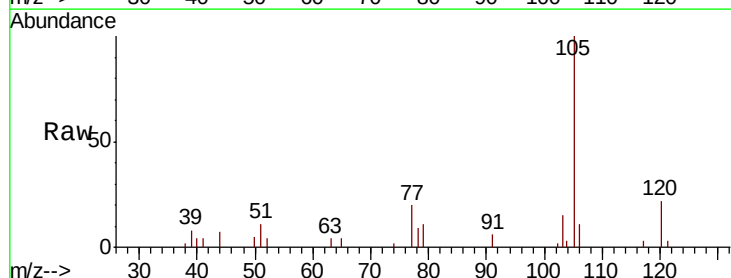
Tgt Ion:105 Resp: 9049

Ion Ratio Lower Upper

105 100

120 24.5 20.1 30.1

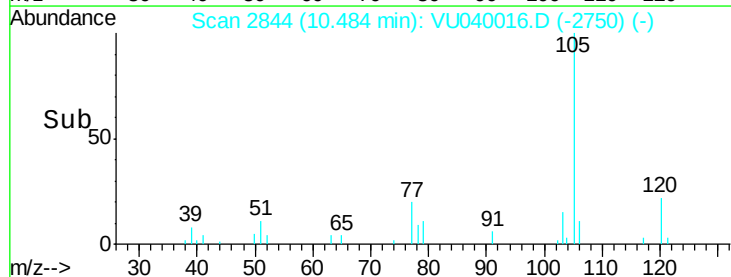
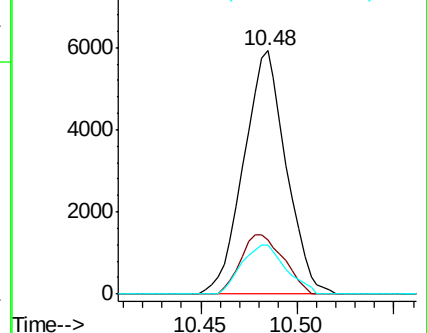
77 21.0 14.4 21.6

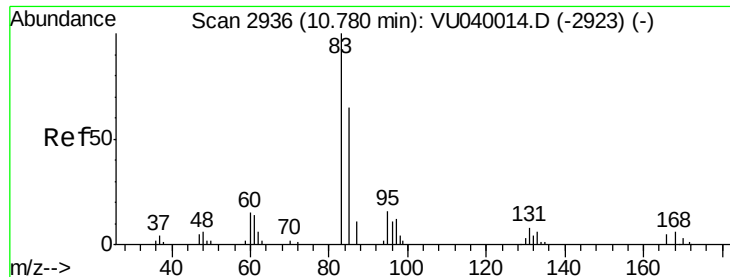


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU





#58

1,1,2,2-Tetrachloroethane

Concen: 0.200 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

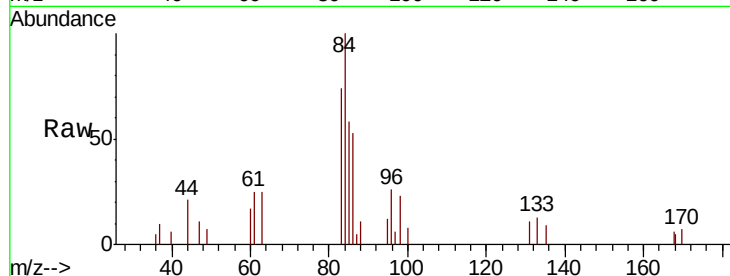
Tot Ion: 83 Resp: 2492

Ion Ratio Lower Upper

83 100

85 78.3 44.9 83.3

131 14.6 7.4 11.0#

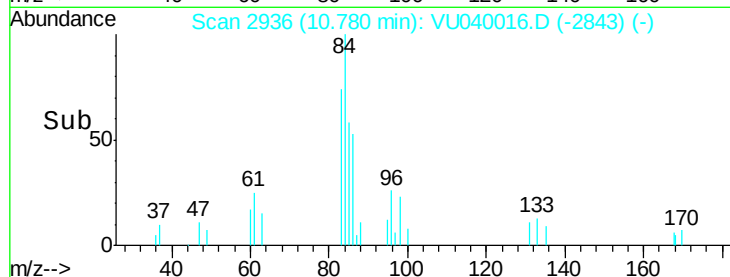


Abundance Ion 82.95 (82.65 to 83.65): VU040016.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040016.D (-2923) (-)

Ion 130.95 (130.65 to 131.65): VU040016.D (-2923) (-)

Time-->

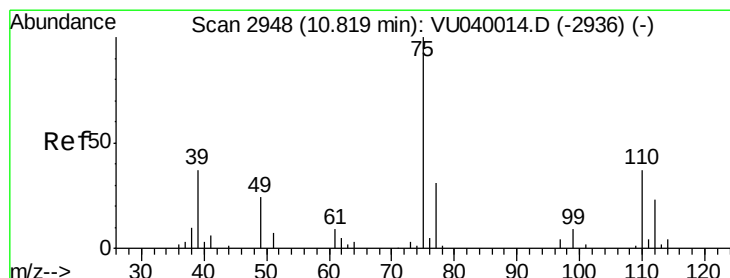


Abundance Ion 82.95 (82.65 to 83.65): VU040016.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040016.D (-2923) (-)

Ion 130.95 (130.65 to 131.65): VU040016.D (-2923) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.190 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040016.D

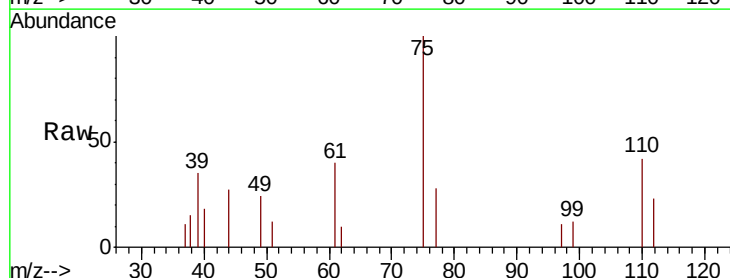
Acq: 02 Sep 2020 10:59

Tgt Ion: 75 Resp: 1880

Ion Ratio Lower Upper

75 100

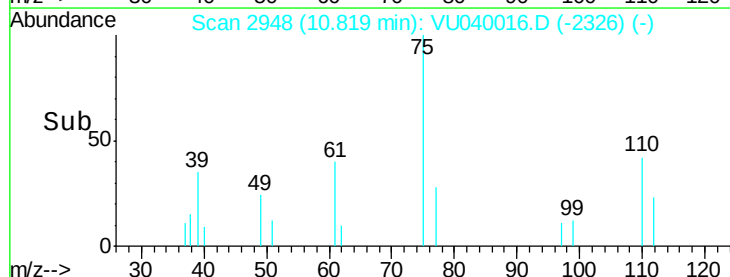
77 34.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040016.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040016.D (-2936) (-)

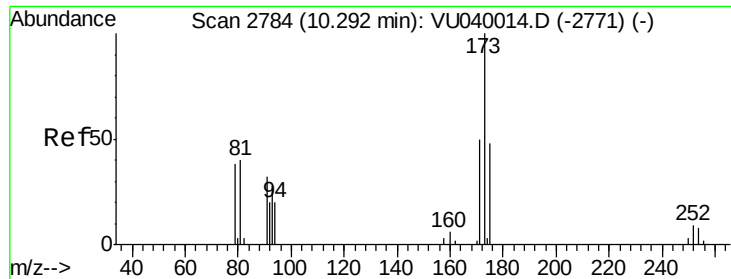
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VU040016.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040016.D (-2936) (-)

Time-->



#61

Bromoform

Concen: 0.169 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

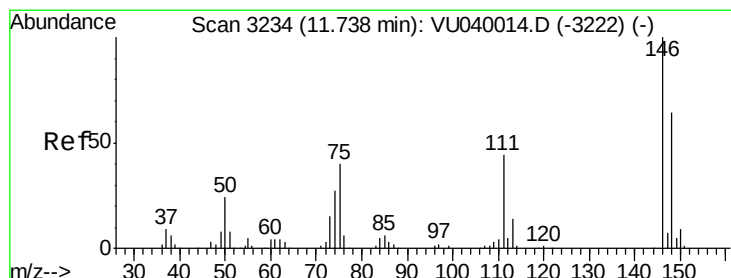
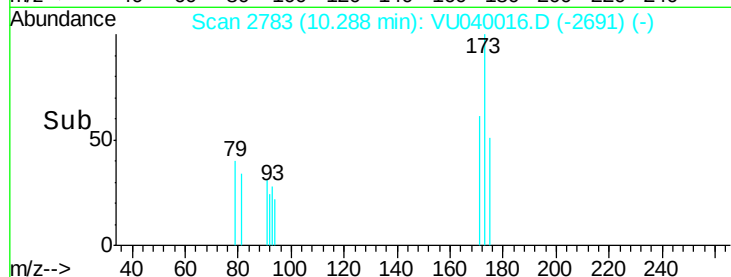
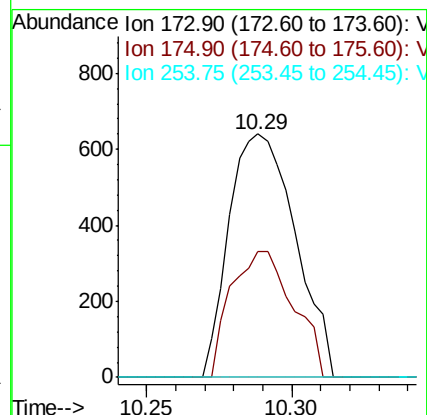
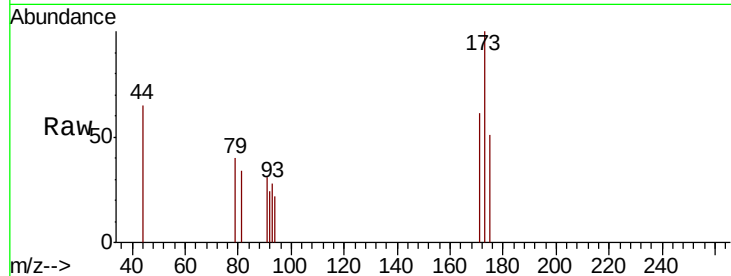
Tot Ion:173 Resp: 1018

Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.6

254 0.0 6.8 10.2#



#62

1,3-Dichlorobenzene

Concen: 0.191 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

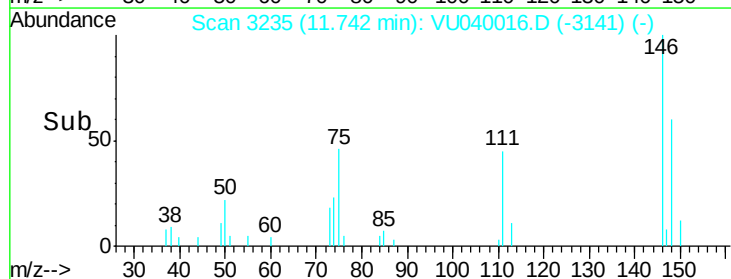
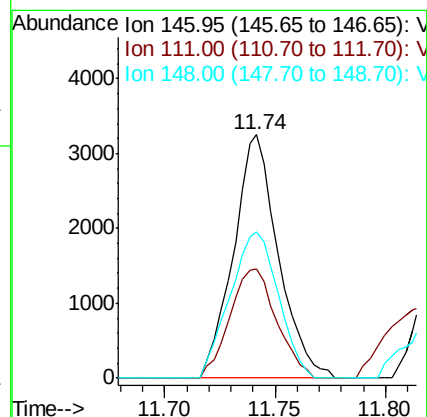
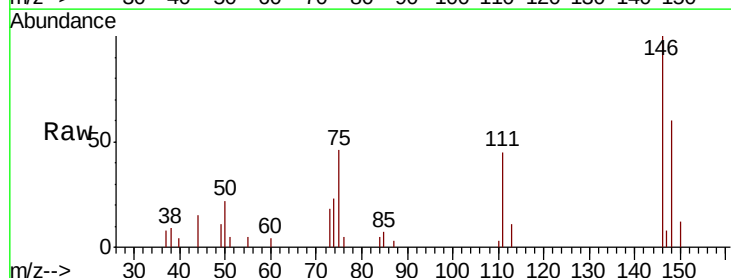
Tgt Ion:146 Resp: 4575

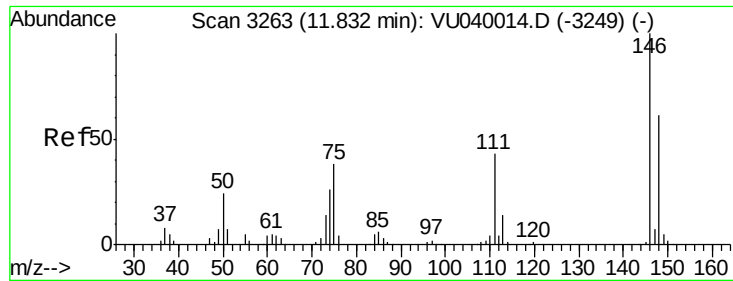
Ion Ratio Lower Upper

146 100

111 44.7 31.6 58.8

148 59.9 44.2 82.0

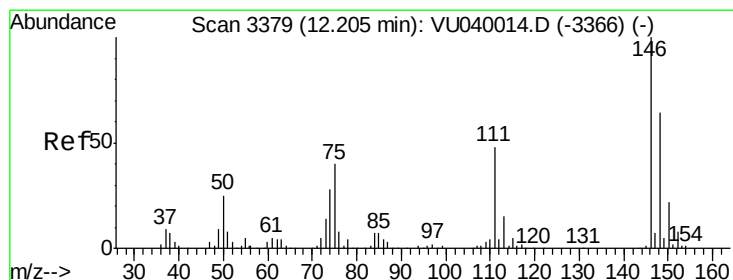
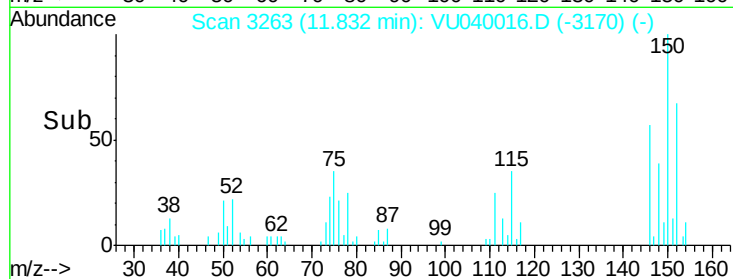
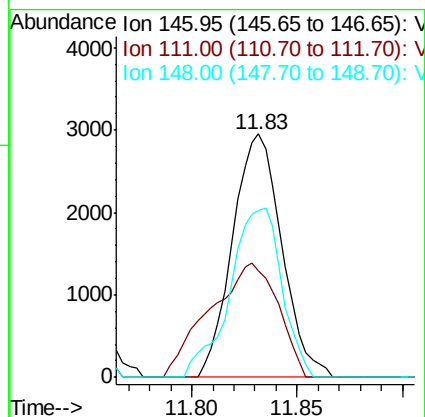
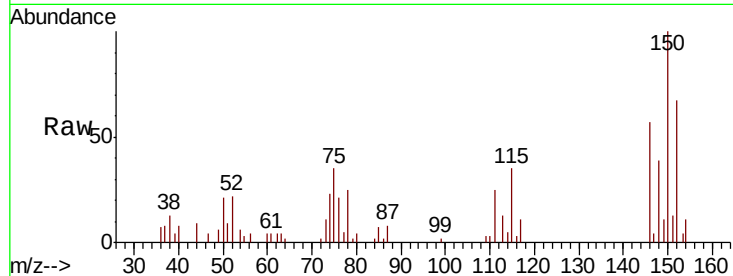




#63
 1,4-Dichlorobenzene
 Concen: 0.197 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

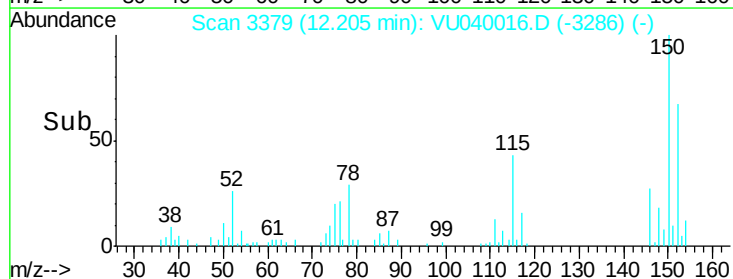
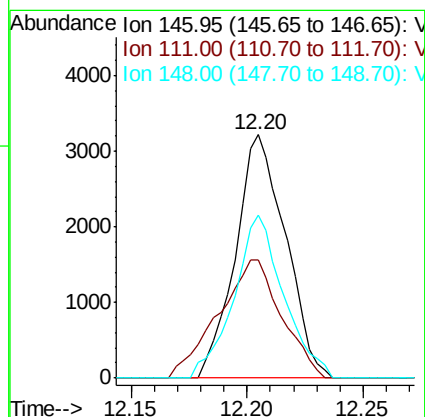
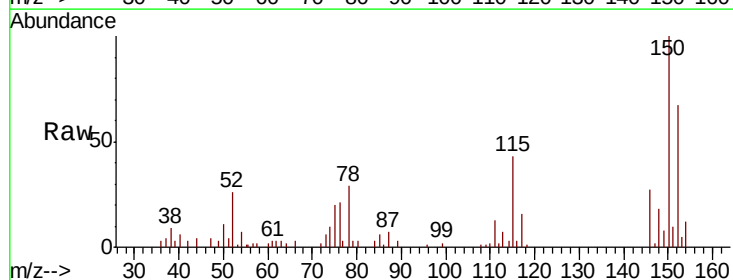
Instrument :
 MSVOA_U
 ClientSampleId :

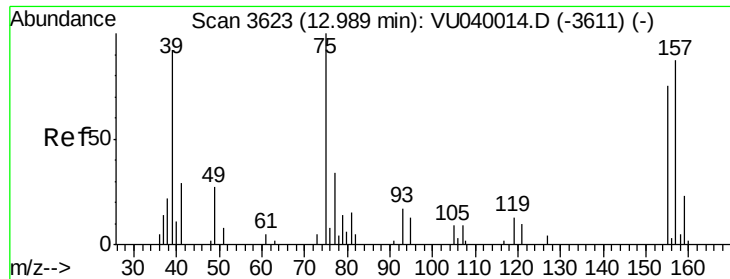
Tot Ion:146 Resp: 4784
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.5 56.7
 148 68.7 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 0.208 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion:146 Resp: 4820
 Ion Ratio Lower Upper
 146 100
 111 48.3 36.5 54.7
 148 66.9 48.6 72.8

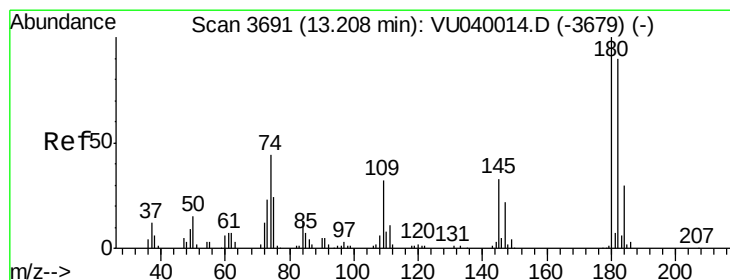
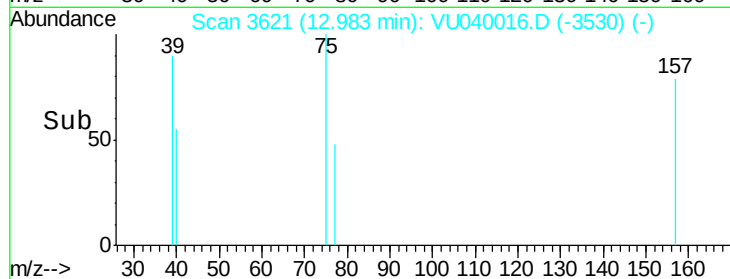
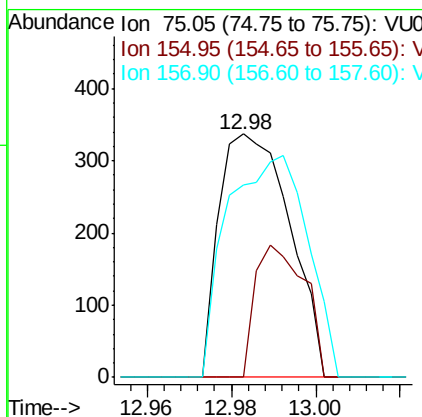
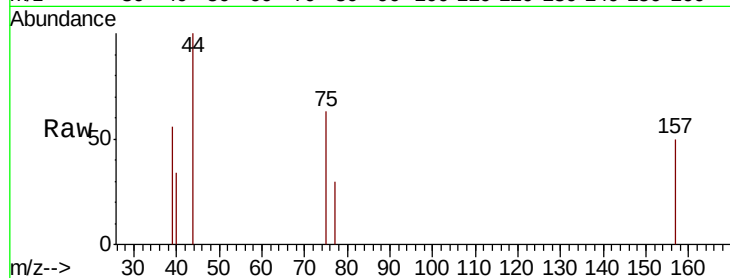




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.159 ug/L
 RT: 12.98 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

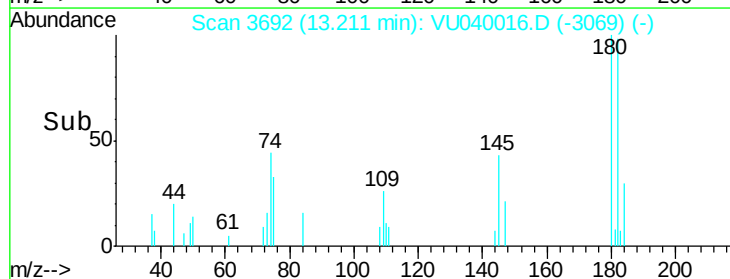
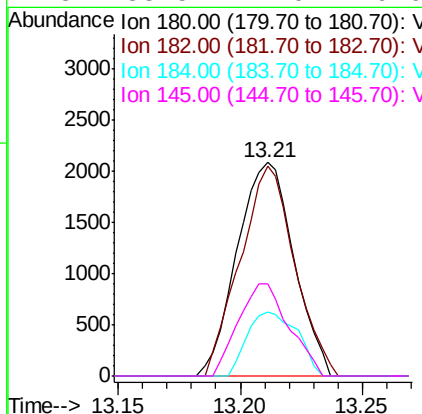
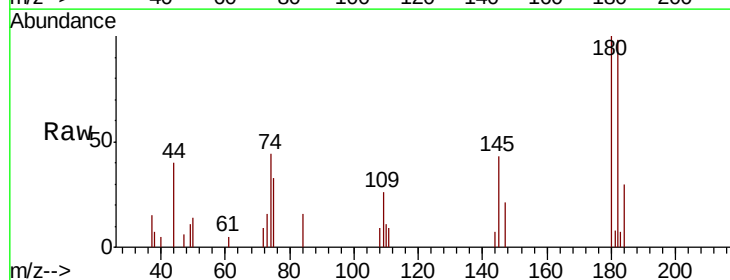
Instrument :
 MSVOA_U
 ClientSampleId :

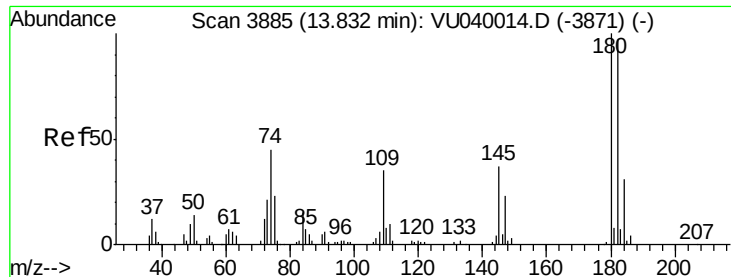
Tot Ion: 75 Resp: 394
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.6 82.0#
 157 79.2 75.6 113.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.199 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion: 180 Resp: 3352
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.9 115.3
 184 26.6 24.6 36.8
 145 38.5 27.0 40.6

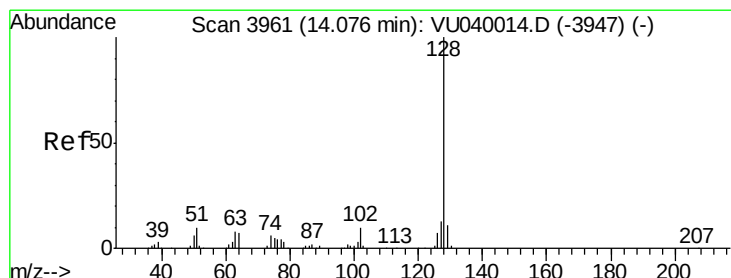
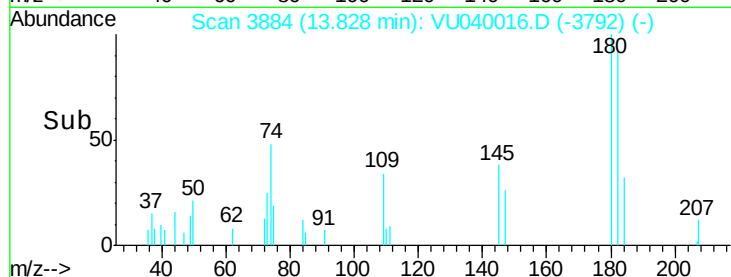
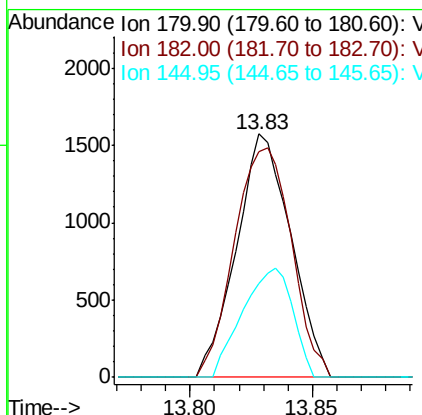
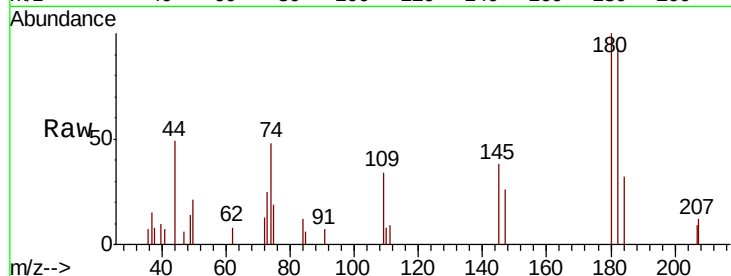




#68
 1,2,4-trichlorobenzene
 Concen: 0.167 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

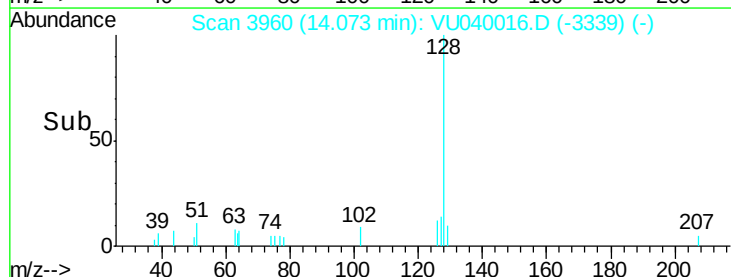
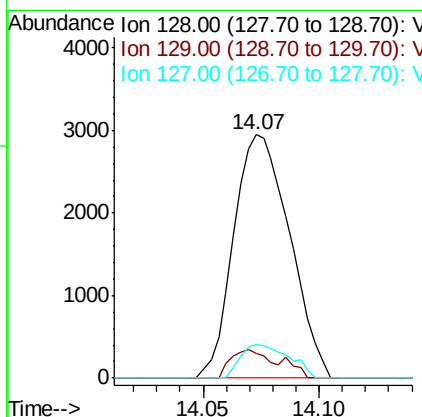
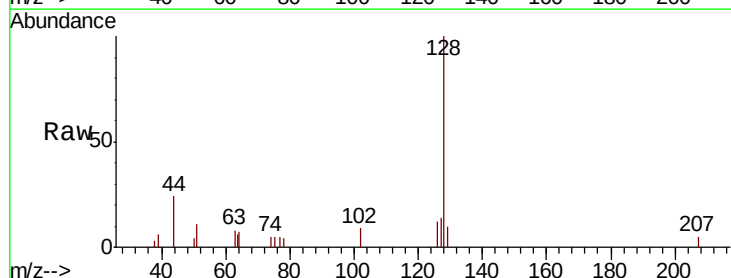
Instrument :
 MSVOA_U
 ClientSampleId :

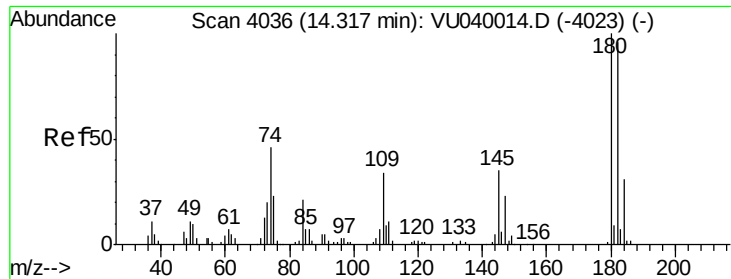
Tot Ion:180 Resp: 2431
 Ion Ratio Lower Upper
 180 100
 182 99.1 76.0 114.0
 145 41.4 28.4 42.6



#69
 Naphthalene
 Concen: 0.163 ug/L
 RT: 14.07 min Scan# 3960
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion:128 Resp: 4928
 Ion Ratio Lower Upper
 128 100
 129 7.9 8.7 13.1#
 127 12.0 10.7 16.1





#70
 1,2,3-Trichlorobenzene
 Concen: 0.185 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2471
 Ion Ratio Lower Upper
 180 100
 182 88.0 77.8 116.6
 145 21.6 28.7 43.1#

