

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062320\
 Data File : VU039040.D
 Acq On : 23 Jun 2020 14:51
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

Quant Time: Jun 24 01:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 01:05:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	285781	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	278920	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	133402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104886	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.93	69	86573	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.59	63	203335	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.67	46	407660	53.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.96%
24) Chloroform-d	5.10	84	205321	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.74	65	123946	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.76	84	394720	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.72	67	131548	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.92	98	339057	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	8.20	79	58977	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.65	63	336289	57.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125352	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	127956	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	123439	4.827 ug/L	100
3) Chloromethane	1.53	50	135387	4.918 ug/L	93
5) Vinyl chloride	1.62	62	140117	5.047 ug/L	97
6) Bromomethane	1.88	94	76411	5.113 ug/L	99
8) Chloroethane	1.95	64	84034	5.022 ug/L	95
9) Trichlorofluoromethane	2.16	101	172822	4.863 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	97011	4.689 ug/L	99
12) 1,1-Dichloroethene	2.61	96	98446	4.974 ug/L	97
13) Acetone	2.67	43	255913	49.897 ug/L	98
14) Carbon disulfide	2.82	76	325912	4.939 ug/L	99
15) Methyl Acetate	2.98	43	61574	5.057 ug/L	96
16) Methylene chloride	3.08	84	117082	4.795 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	298732	5.302 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	106067	5.008 ug/L	99
19) 1,1-Dichloroethane	3.91	63	209640	4.979 ug/L	99
21) 2-Butanone	4.75	43	420844	53.970 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	115132	5.038 ug/L	94

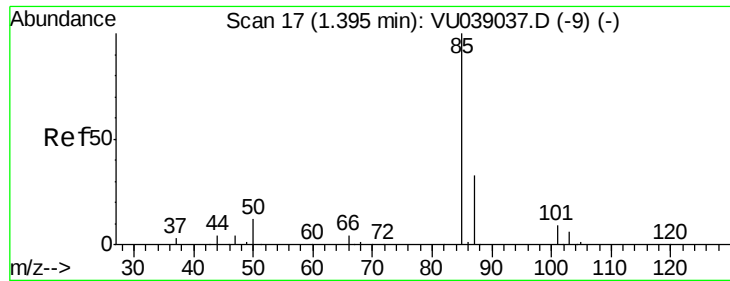
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062320\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 01:05:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53612	5.097	ug/L	97
25) Chloroform	5.12	83	210755	4.983	ug/L	97
27) 1,2-Dichloroethane	5.83	62	151232	5.018	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	174630	5.017	ug/L	98
30) Cyclohexane	5.42	56	164605	5.082	ug/L	98
31) Carbon tetrachloride	5.56	117	140624	4.851	ug/L	97
33) Benzene	5.81	78	451969	5.157	ug/L	100
34) Trichloroethene	6.57	95	107978	5.094	ug/L	99
35) Methylcyclohexane	6.79	83	156679	4.981	ug/L	99
37) 1,2-Dichloropropane	6.82	63	124646	5.250	ug/L	99
38) Bromodichloromethane	7.13	83	153729	5.193	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	176459	5.362	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	991793	55.968	ug/L	100
42) Toluene	7.99	91	456610	5.249	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	164781	5.351	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	92108	5.220	ug/L	97
47) Tetrachloroethene	8.57	164	74803	4.896	ug/L	98
48) 2-Hexanone	8.70	43	747812	57.564	ug/L	99
49) Dibromochloromethane	8.83	129	99496	5.185	ug/L	100
50) 1,2-Dibromoethane	8.94	107	87869	5.267	ug/L #	98
51) Chlorobenzene	9.46	112	279637	5.107	ug/L	99
52) Ethylbenzene	9.59	91	474507	5.190	ug/L	99
53) m,p-Xylene	9.71	106	178804	5.318	ug/L	99
54) o-Xylene	10.11	106	170303	5.273	ug/L	98
55) Styrene	10.13	104	307371	5.419	ug/L	99
56) Isopropylbenzene	10.50	105	444357	5.251	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.79	83	123927	5.252	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	92978	5.194	ug/L	99
61) Bromoform	10.30	173	56070	5.146	ug/L	98
62) 1,3-Dichlorobenzene	11.75	146	209979	5.294	ug/L	99
63) 1,4-Dichlorobenzene	11.84	146	213394	5.223	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	206328	5.188	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	23851	5.436	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	152184	5.184	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	146947	5.495	ug/L	100
69) Naphthalene	14.11	128	343565	6.022	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	145475	5.636	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.827 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

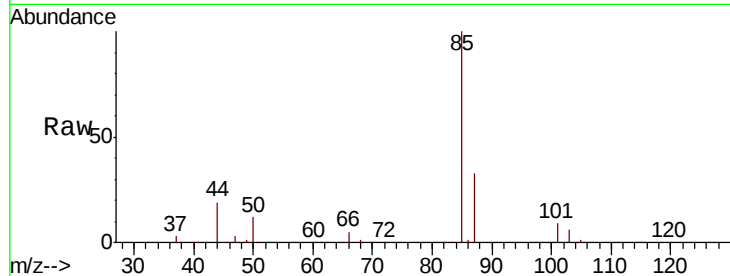
VICV06

Tot Ion: 85 Resp: 123439

Ion Ratio Lower Upper

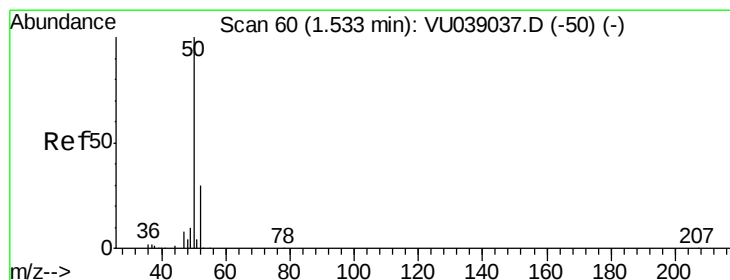
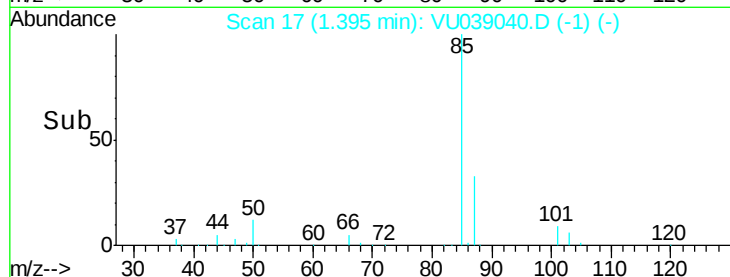
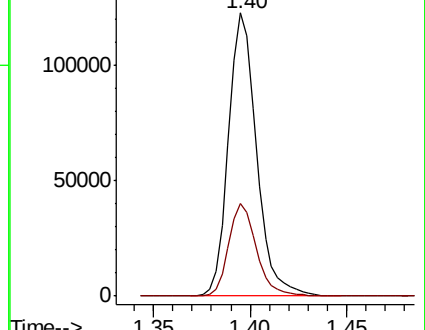
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039040.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039040.D (-1) (-)



#3

Chloromethane

Concen: 4.918 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039040.D

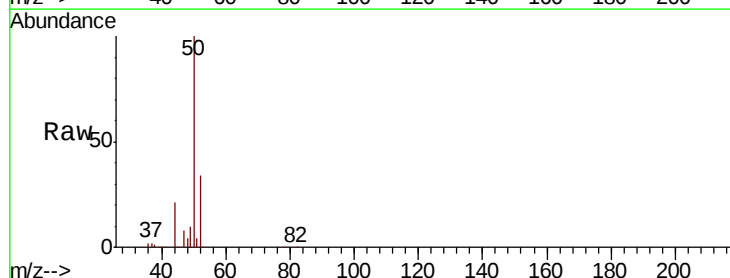
Acq: 23 Jun 2020 14:51

Tgt Ion: 50 Resp: 135387

Ion Ratio Lower Upper

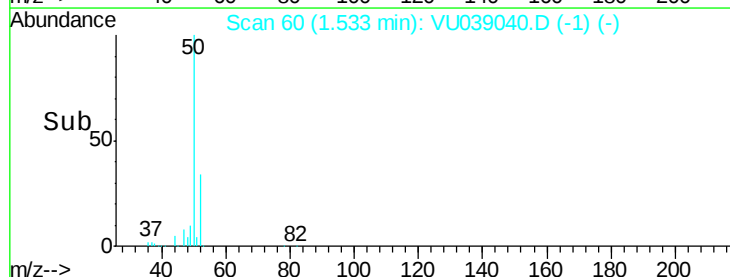
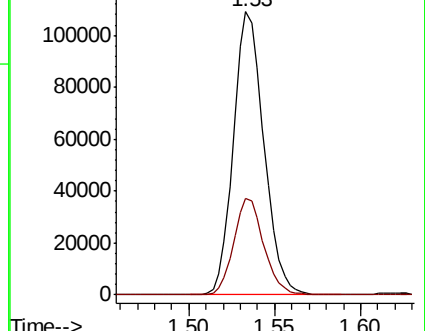
50 100

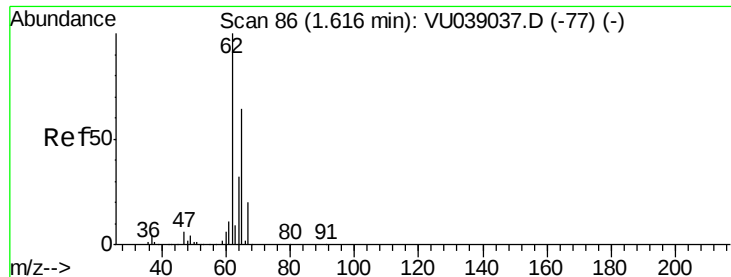
52 34.0 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039040.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039040.D (-1) (-)





#5

Vinyl chloride

Concen: 5.047 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampled :

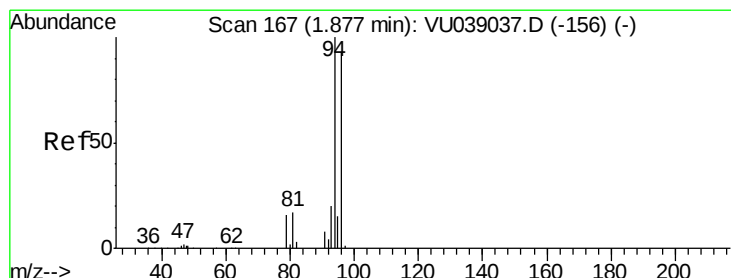
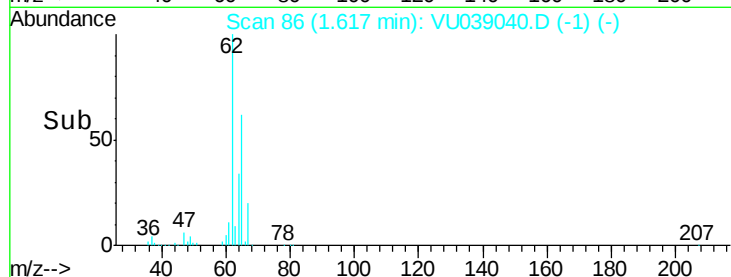
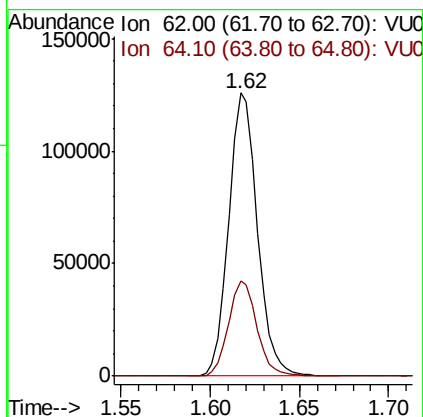
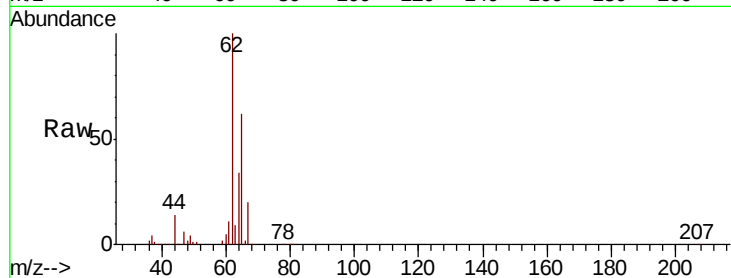
VICV06

Tot Ion: 62 Resp: 140117

Ion Ratio Lower Upper

62 100

64 33.5 22.4 41.6



#6

Bromomethane

Concen: 5.113 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039040.D

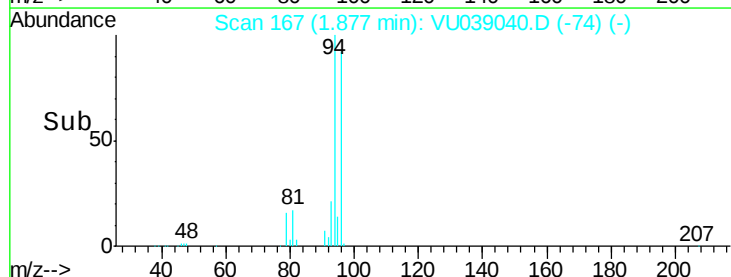
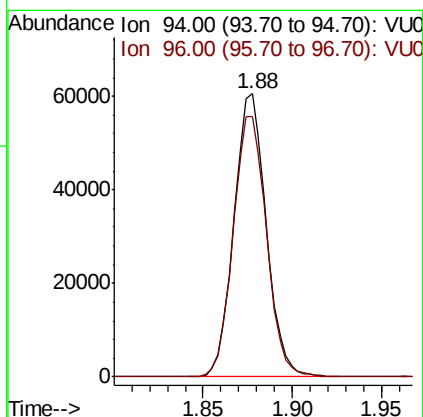
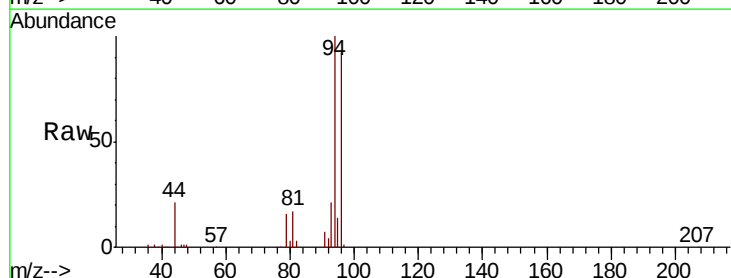
Acq: 23 Jun 2020 14:51

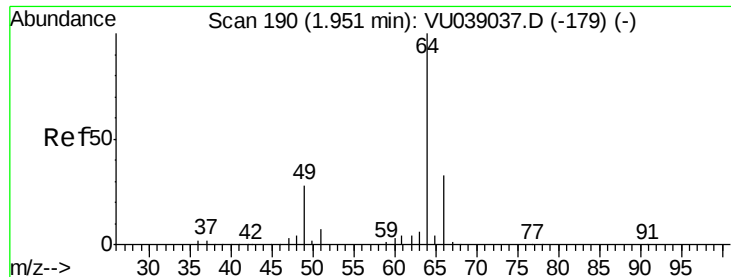
Tgt Ion: 94 Resp: 76411

Ion Ratio Lower Upper

94 100

96 92.1 64.9 120.5





#8

Chloroethane

Concen: 5.022 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

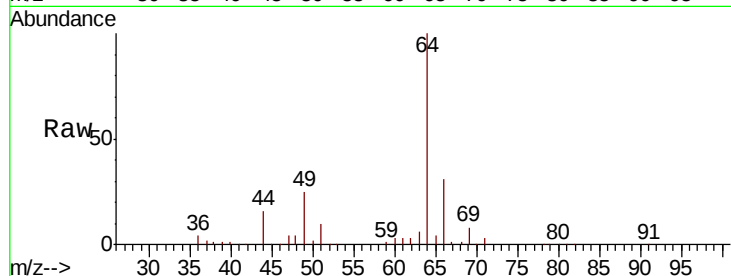
VICV06

Tot Ion: 64 Resp: 84034

Ion Ratio Lower Upper

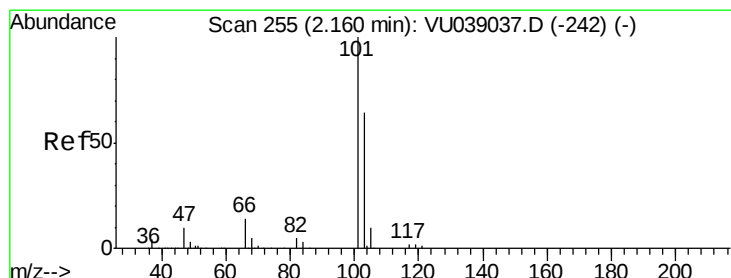
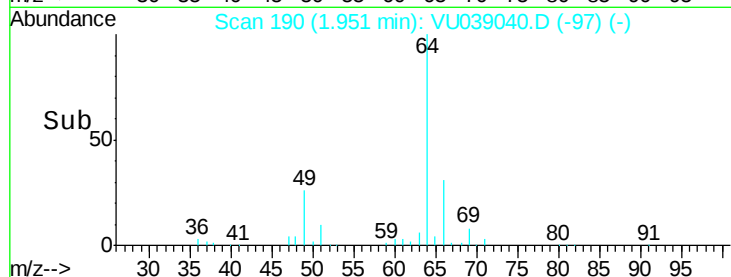
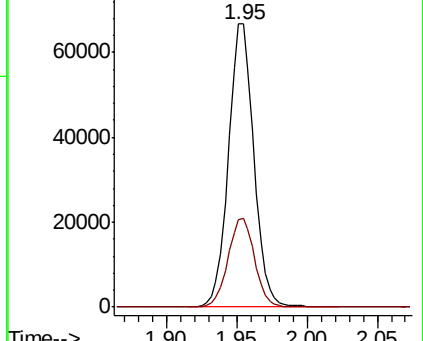
64 100

66 30.8 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039040.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU039040.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.863 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039040.D

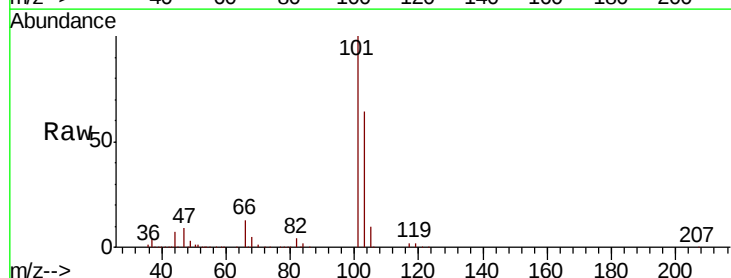
Acq: 23 Jun 2020 14:51

Tgt Ion:101 Resp: 172822

Ion Ratio Lower Upper

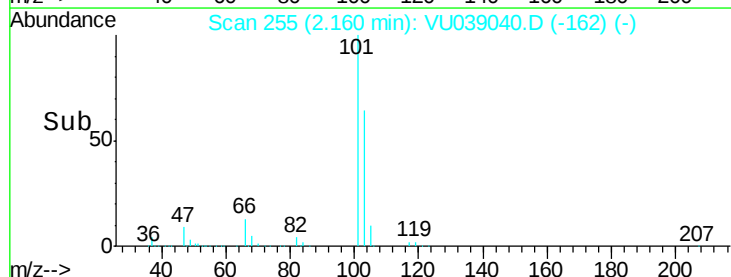
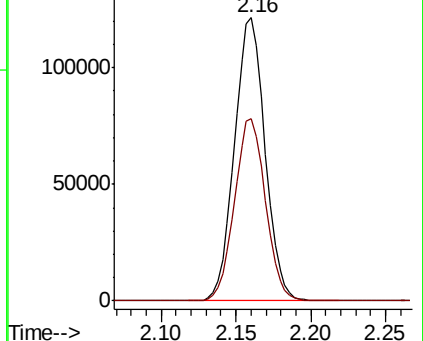
101 100

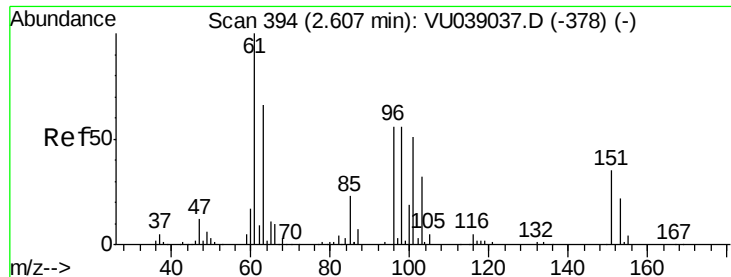
103 65.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039040.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU039040.D (-162) (-)





#10

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

Concen: 4.689 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

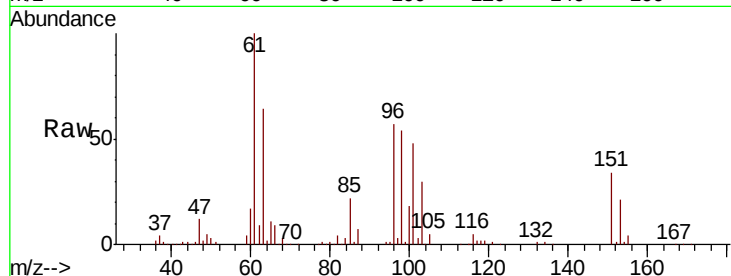
Tot Ion:101 Resp: 97011

Ion Ratio Lower Upper

101 100

85 44.5 36.2 54.4

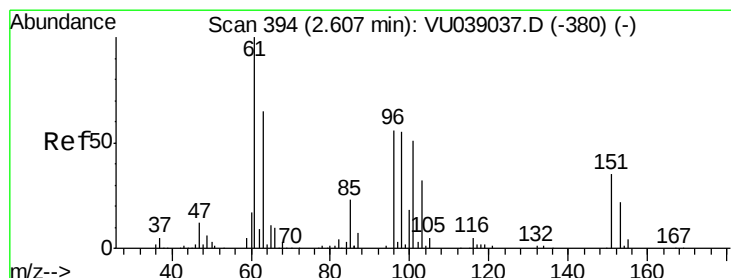
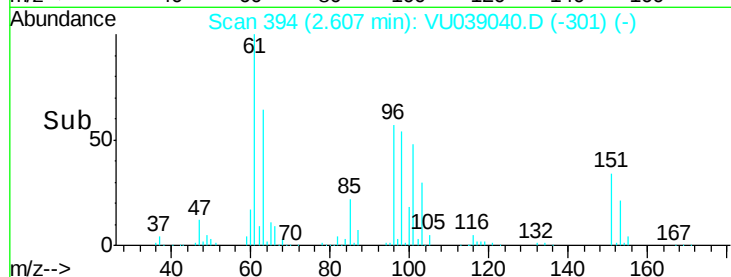
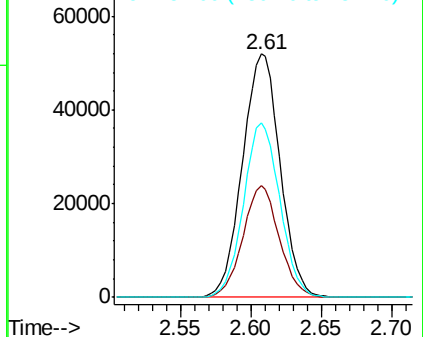
151 69.3 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.974 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

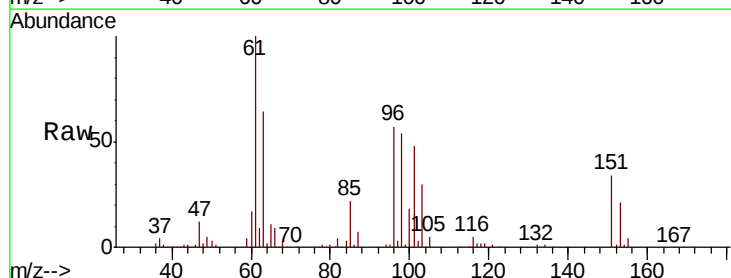
Tgt Ion: 96 Resp: 98446

Ion Ratio Lower Upper

96 100

61 176.2 125.1 232.3

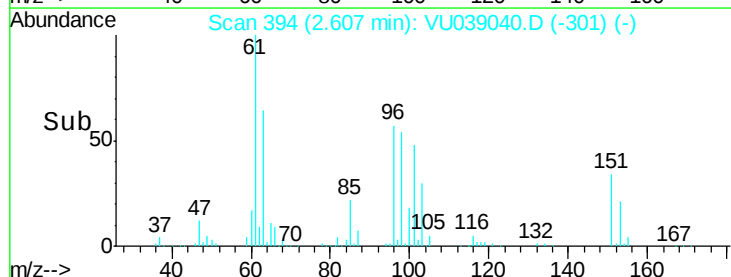
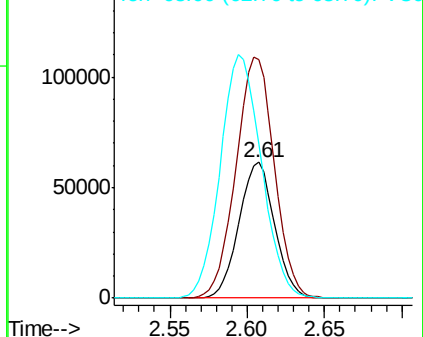
63 113.4 82.3 152.8

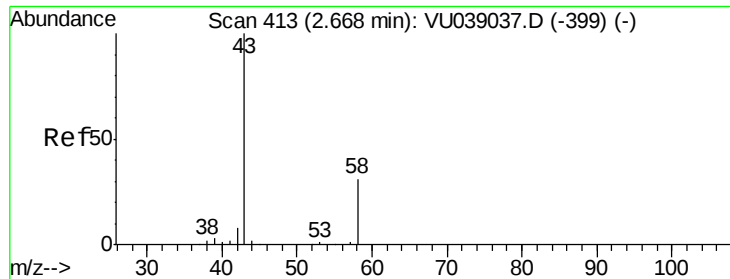


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.897 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

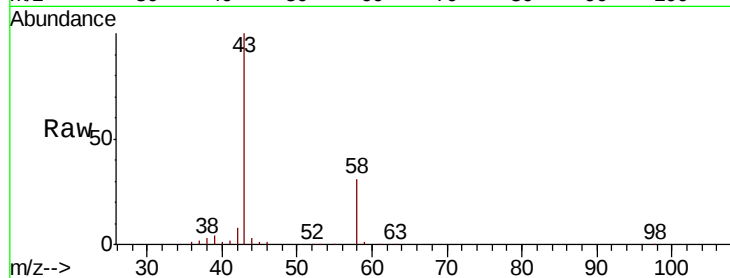
VICV06

Tot Ion: 43 Resp: 255913

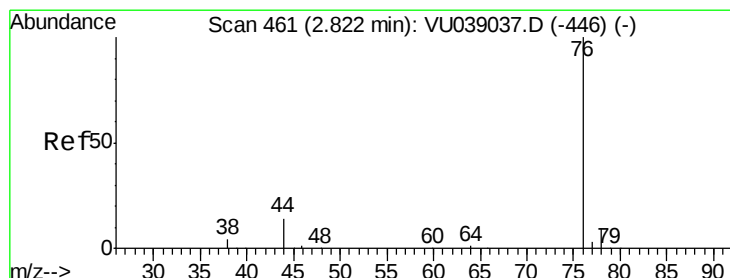
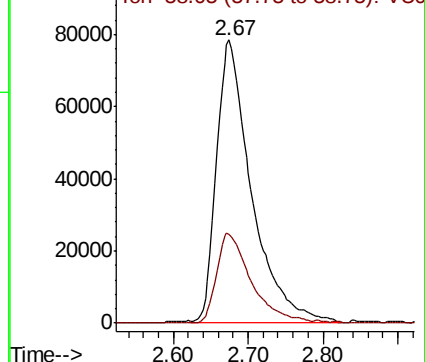
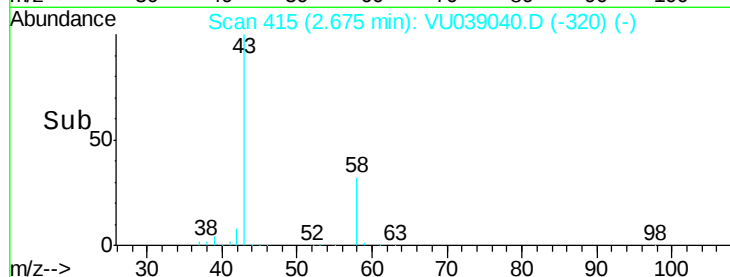
Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039040.D (-320) (-)



#14

Carbon disulfide

Concen: 4.939 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039040.D

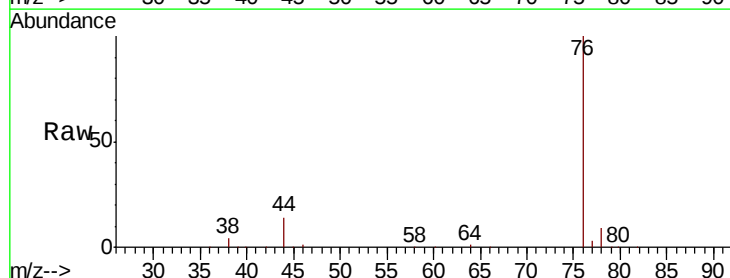
Acq: 23 Jun 2020 14:51

Tgt Ion: 76 Resp: 325912

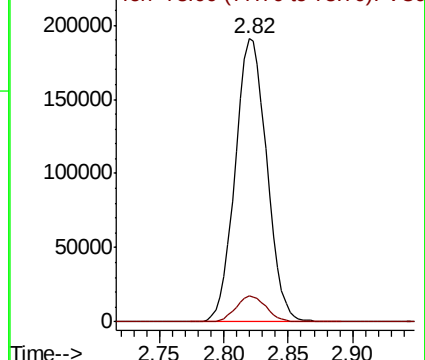
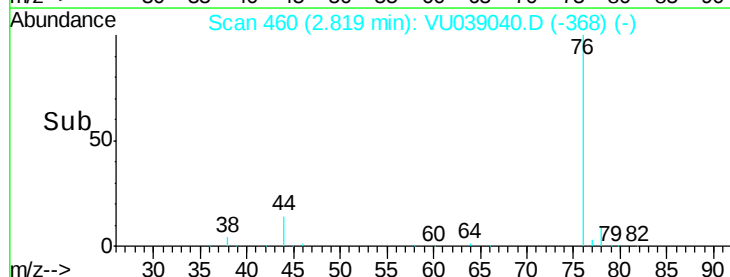
Ion Ratio Lower Upper

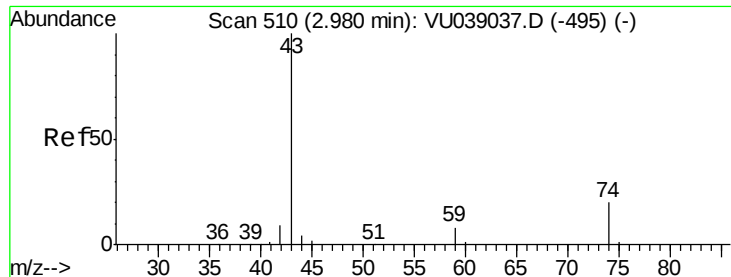
76 100

78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039040.D (-368) (-)

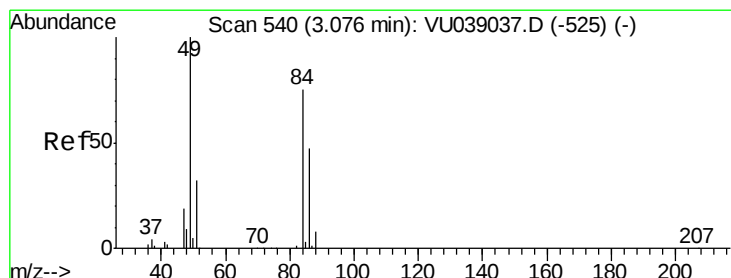
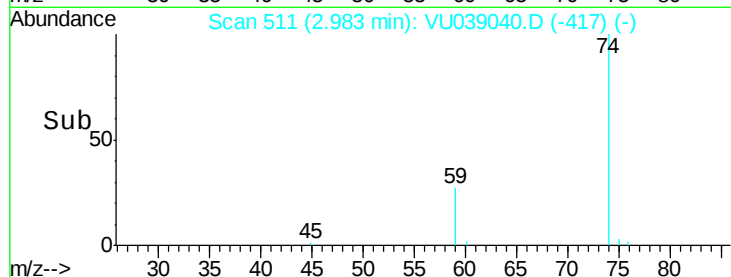
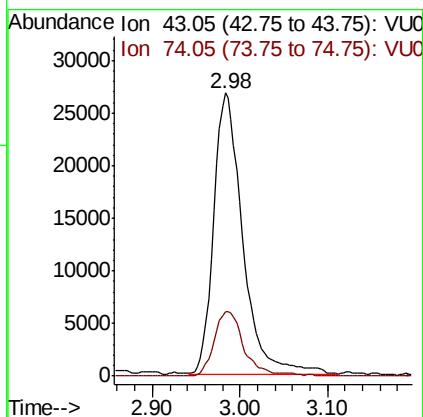
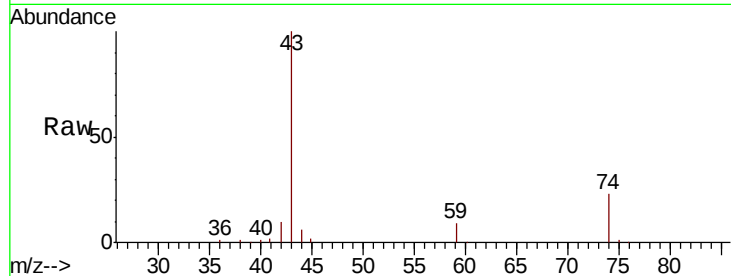




#15
Methvl Acetate
Concen: 5.057 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

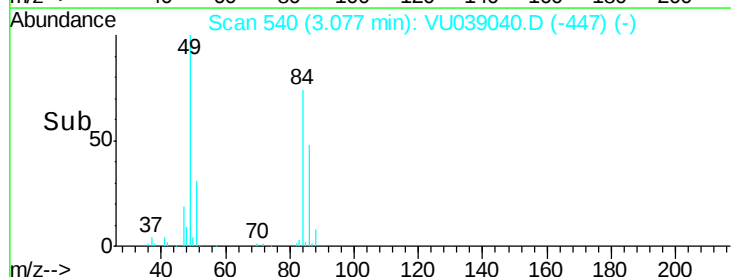
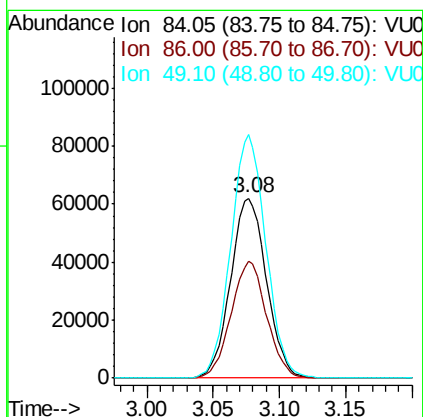
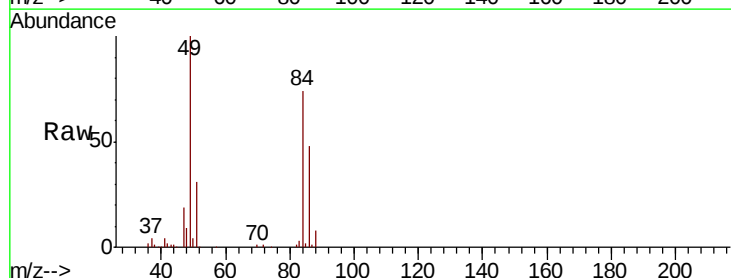
Instrument :
MSVOA_U
ClientSampleId :
VICV06

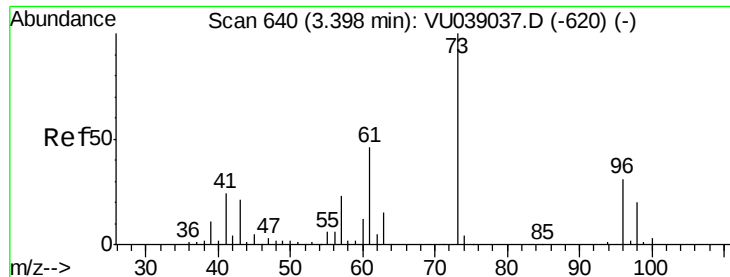
Tot Ion: 43 Resp: 61574
Ion Ratio Lower Upper
43 100
74 23.0 17.0 25.4



#16
Methylene chloride
Concen: 4.795 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion: 84 Resp: 117082
Ion Ratio Lower Upper
84 100
86 64.9 44.1 81.9
49 135.4 93.1 172.9

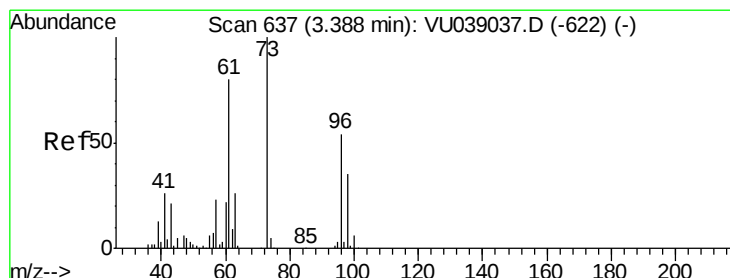
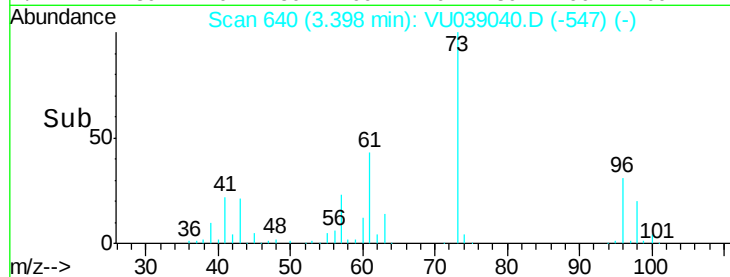
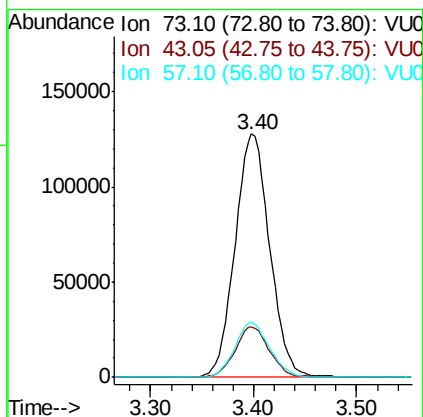
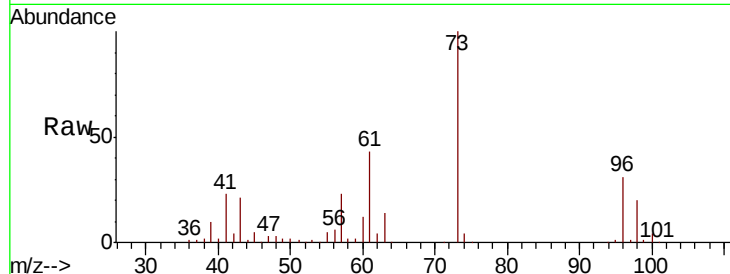




#17
Methvl tert-butvl Ether
Concen: 5.302 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

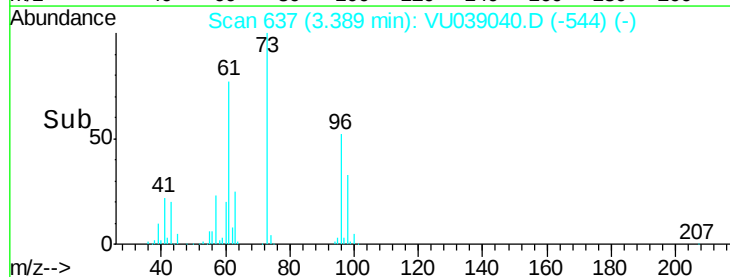
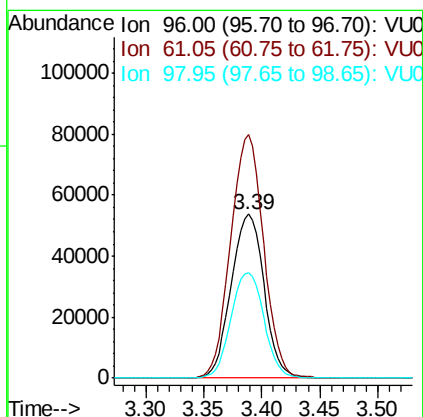
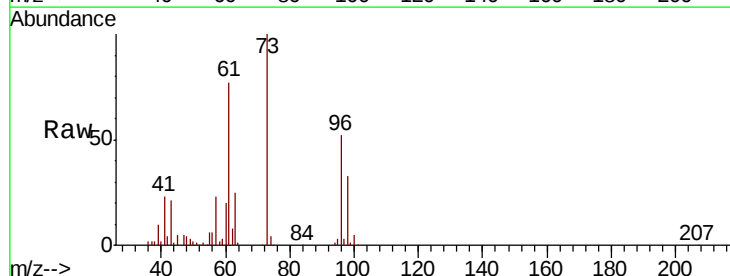
Instrument :
MSVOA_U
ClientSampleId :
VICV06

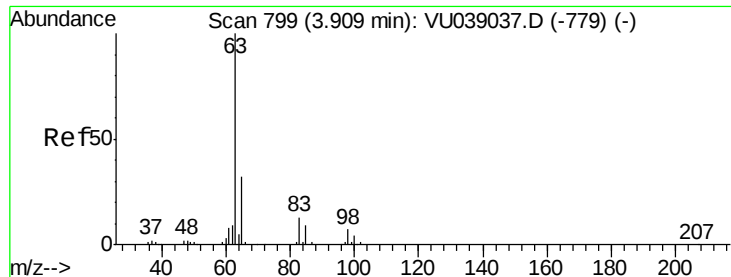
Tot Ion: 73 Resp: 298732
Ion Ratio Lower Upper
73 100
43 20.9 16.6 24.8
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 5.008 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion: 96 Resp: 106067
Ion Ratio Lower Upper
96 100
61 148.8 103.5 192.3
98 64.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.979 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampled :

VICV06

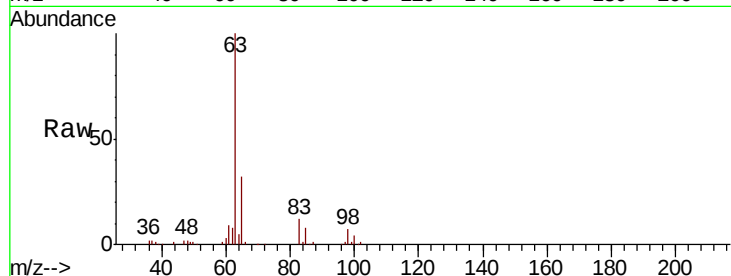
Tot Ion: 63 Resp: 209640

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

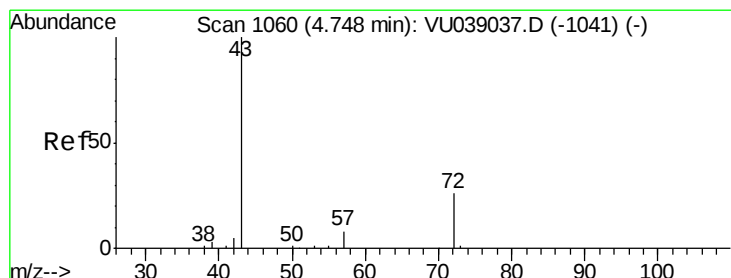
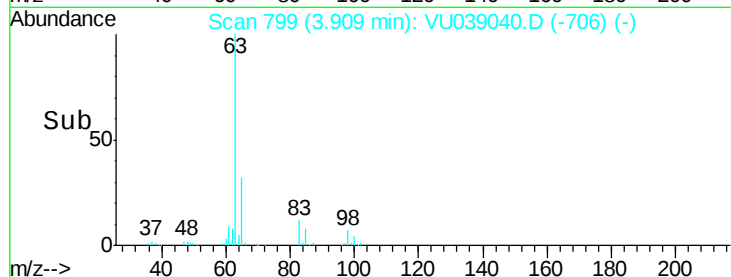
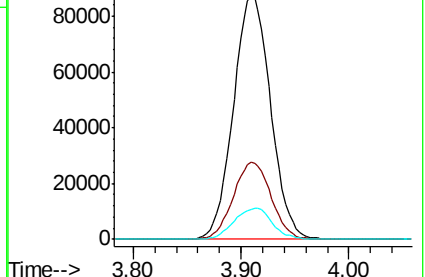
83 12.5 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU039040.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU039040.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU039040.D (-706) (-)



#21

2-Butanone

Concen: 53.970 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU039040.D

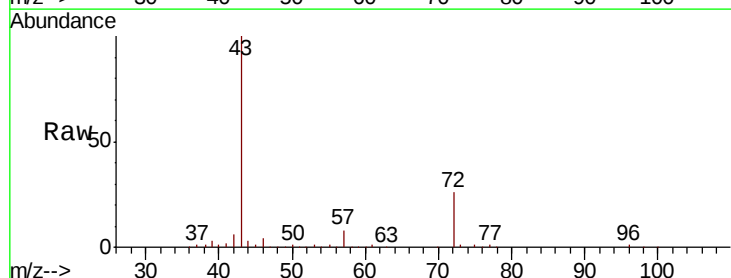
Acq: 23 Jun 2020 14:51

Tgt Ion: 43 Resp: 420844

Ion Ratio Lower Upper

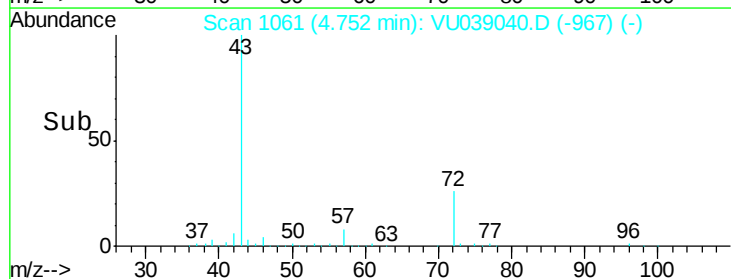
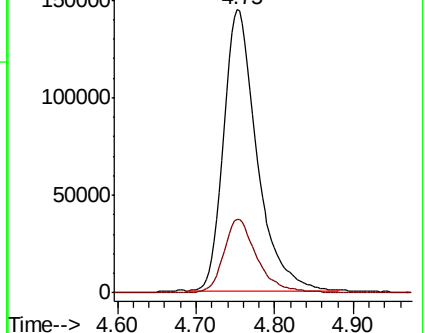
43 100

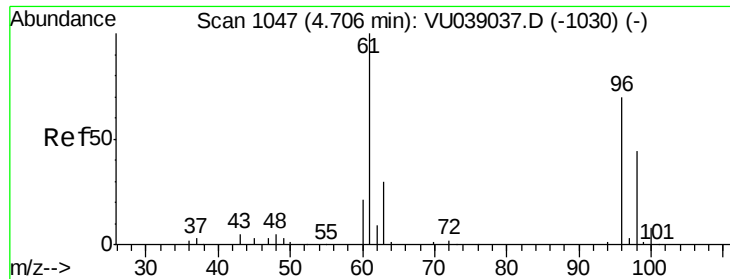
72 26.8 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039040.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU039040.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.038 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

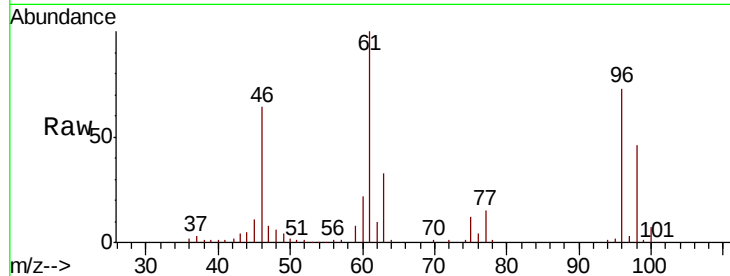
Tot Ion: 96 Resp: 115132

Ion Ratio Lower Upper

96 100

61 136.5 100.8 187.2

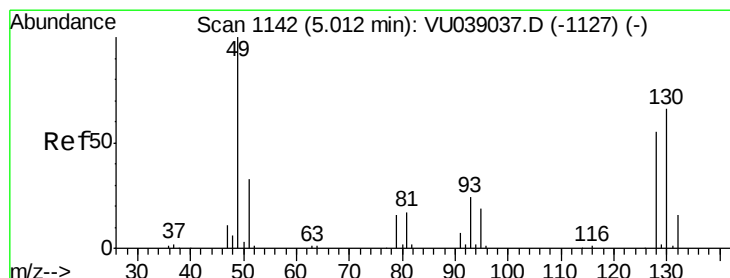
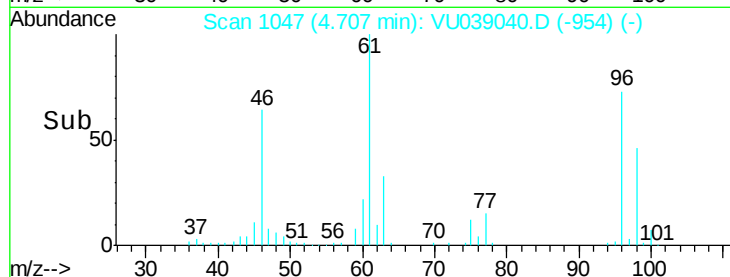
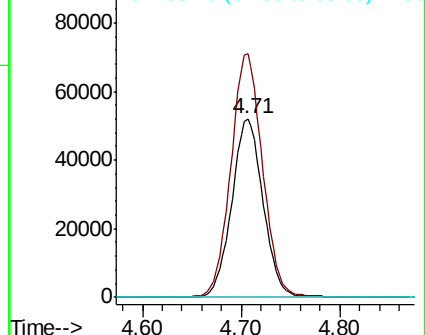
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039040.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039040.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039040.D (-954) (-)



#23

Bromochloromethane

Concen: 5.097 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Tgt Ion: 128 Resp: 53612

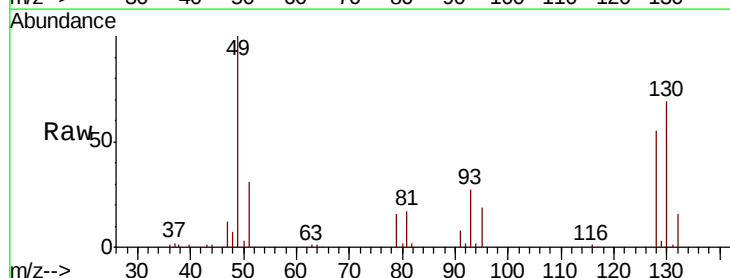
Ion Ratio Lower Upper

128 100

49 183.2 127.3 236.5

130 126.7 84.4 156.7

51 56.5 47.5 71.3

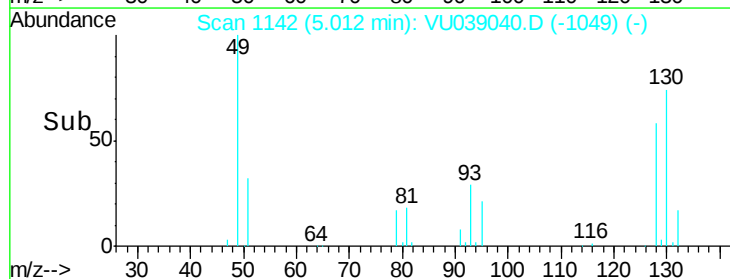
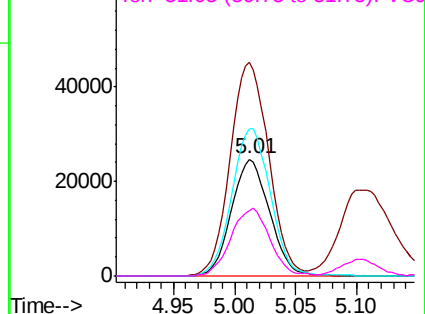


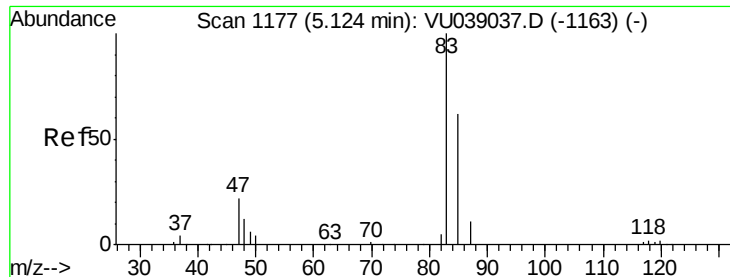
Abundance Ion 127.90 (127.60 to 128.60): VU039040.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039040.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039040.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039040.D (-1049) (-)

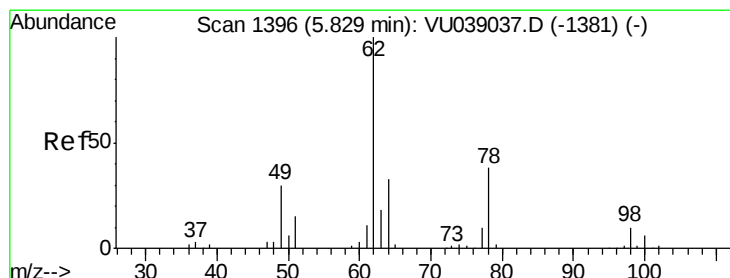
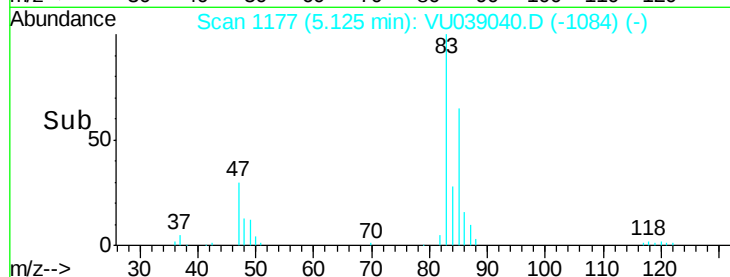
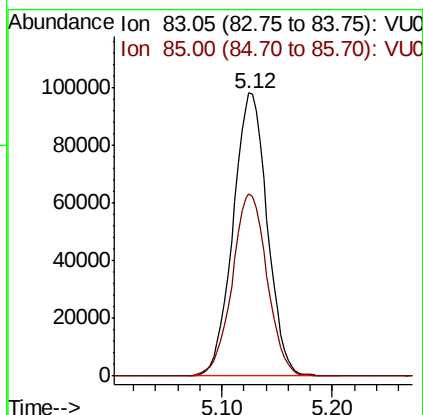
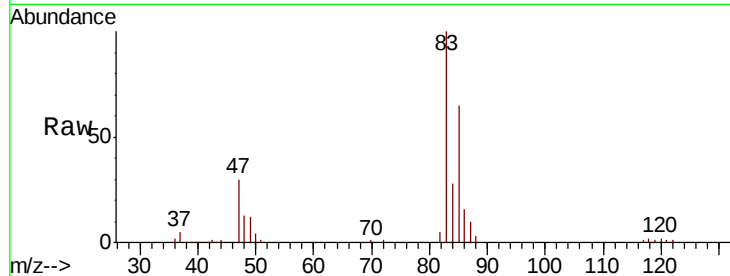




#25
Chloroform
Concen: 4.983 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

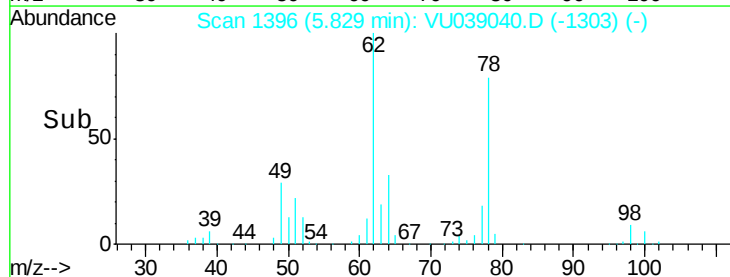
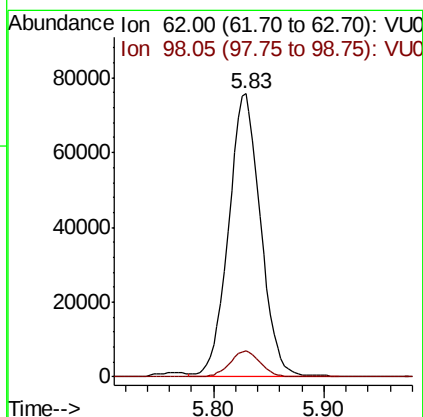
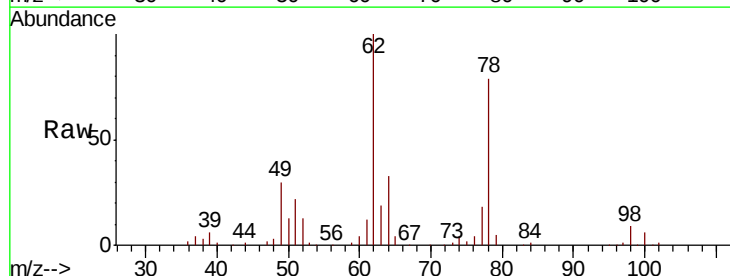
Instrument :
MSVOA_U
ClientSampled :
VICV06

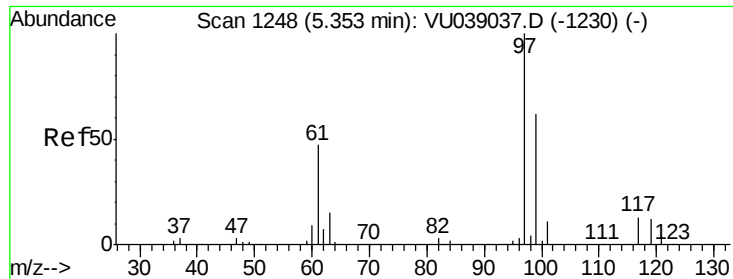
Tot Ion: 83 Resp: 210755
Ion Ratio Lower Upper
83 100
85 64.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.018 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion: 62 Resp: 151232
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5

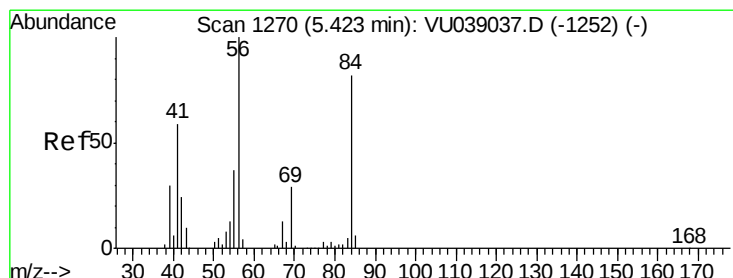
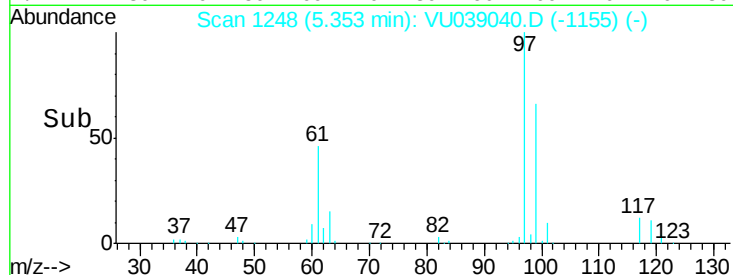
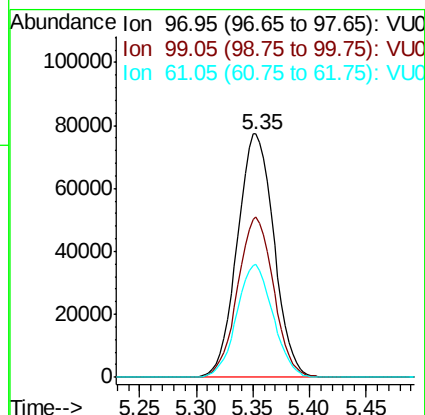
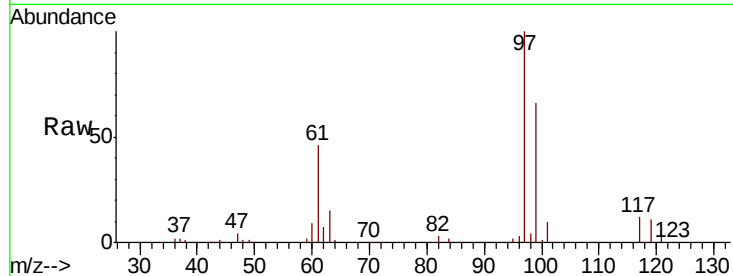




#29
1,1,1-Trichloroethane
Concen: 5.017 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

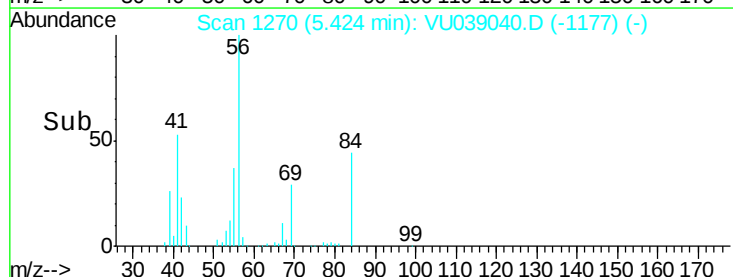
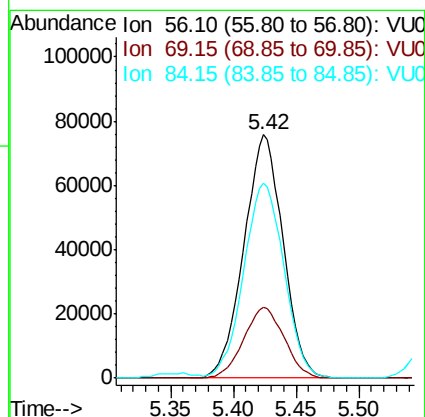
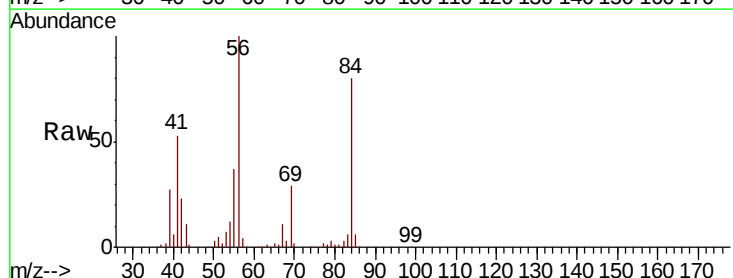
Instrument :
MSVOA_U
ClientSampleId :
VICV06

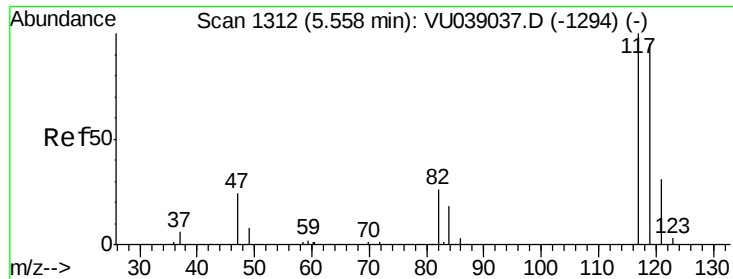
Tot Ion: 97 Resp: 174630
Ion Ratio Lower Upper
97 100
99 64.8 50.3 75.5
61 45.8 37.8 56.6



#30
Cyclohexane
Concen: 5.082 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion: 56 Resp: 164605
Ion Ratio Lower Upper
56 100
69 29.9 23.3 34.9
84 82.4 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.851 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

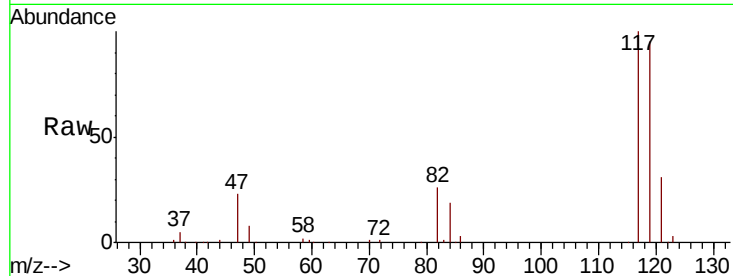
VICV06

Tot Ion:117 Resp: 140624

Ion Ratio Lower Upper

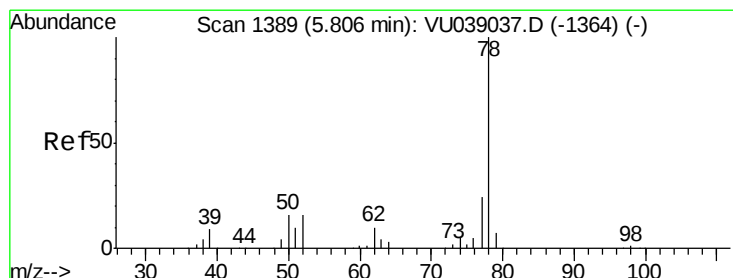
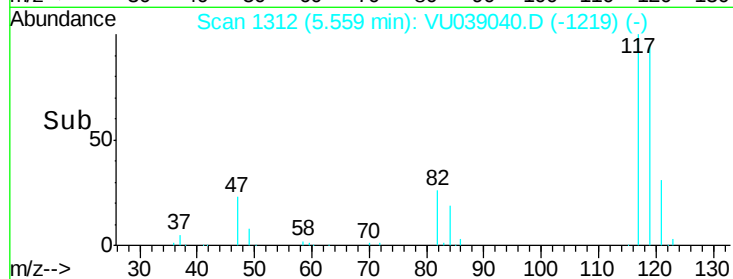
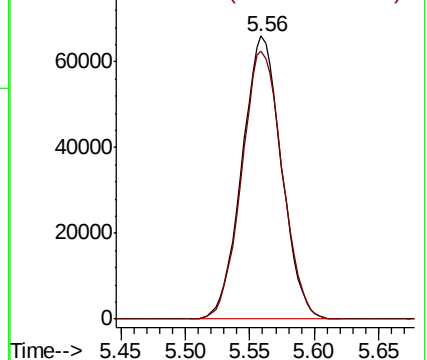
117 100

119 97.4 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.157 ug/L

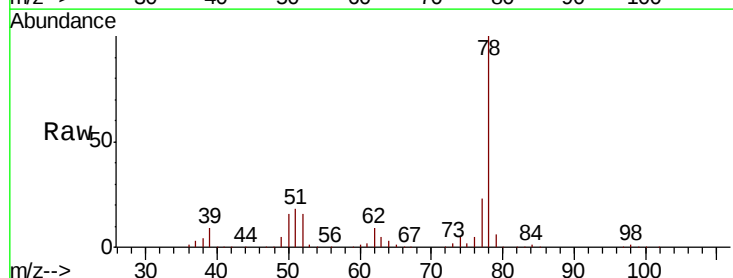
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

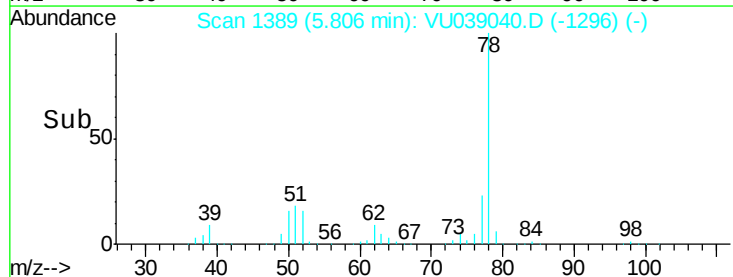
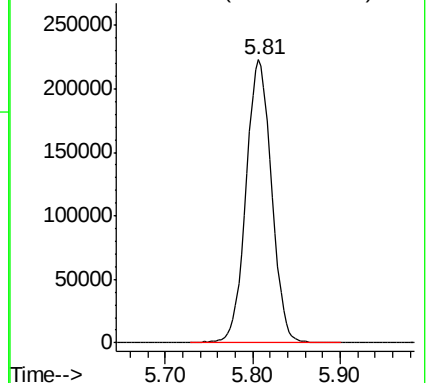
Lab File: VU039040.D

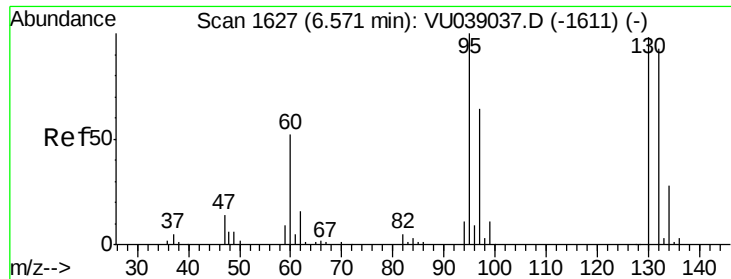
Acq: 23 Jun 2020 14:51

Tgt Ion: 78 Resp: 451969



Abundance Ion 78.10 (77.80 to 78.80): VU0

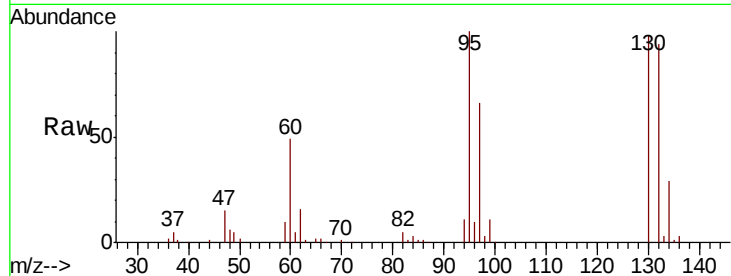




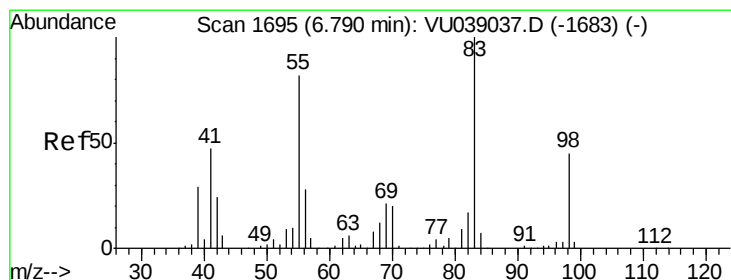
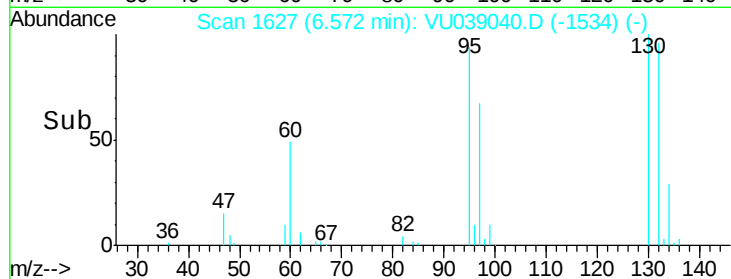
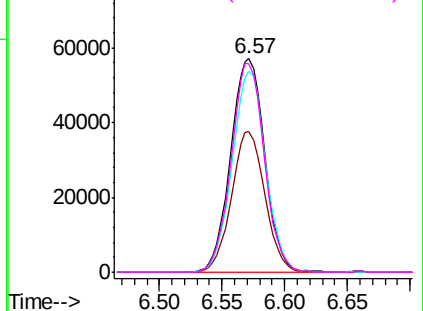
#34
 Trichloroethene
 Concen: 5.094 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

Tot Ion: 95 Resp: 107978
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.1 83.7
 132 93.9 65.1 120.9
 130 98.0 68.6 127.4

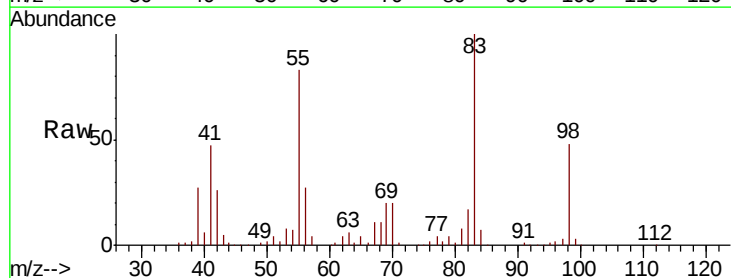


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

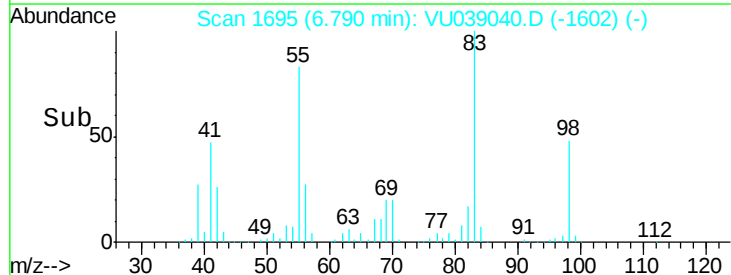
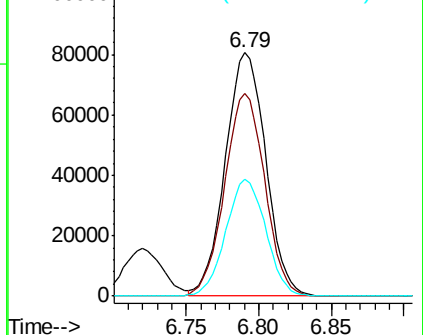


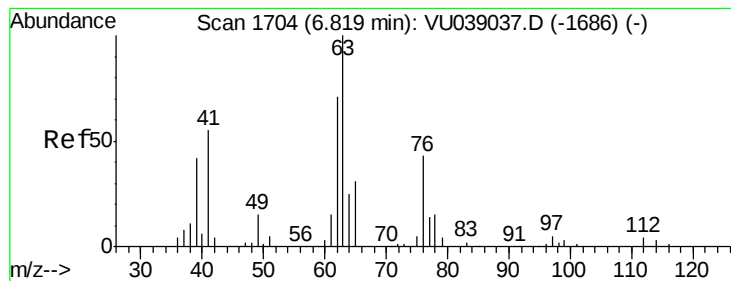
#35
 Methylcyclohexane
 Concen: 4.981 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Tgt Ion: 83 Resp: 156679
 Ion Ratio Lower Upper
 83 100
 55 82.5 65.5 98.3
 98 47.3 36.5 54.7



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: 5.250 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

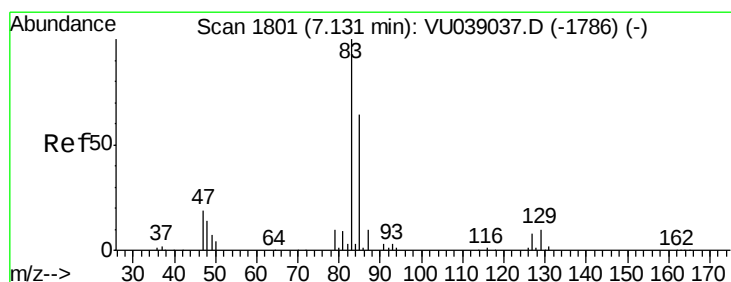
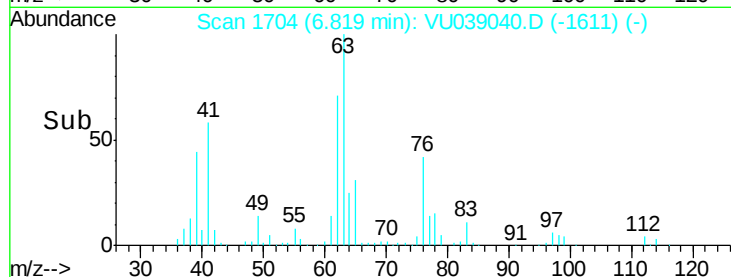
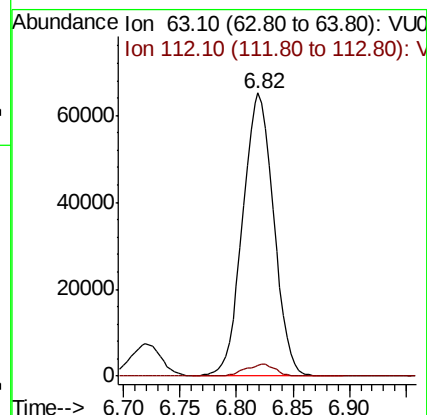
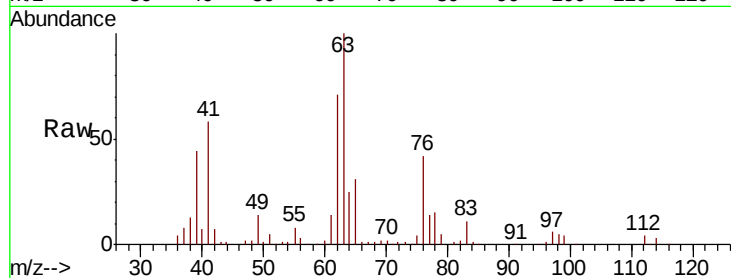
VICV06

Tot Ion: 63 Resp: 124646

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 5.193 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

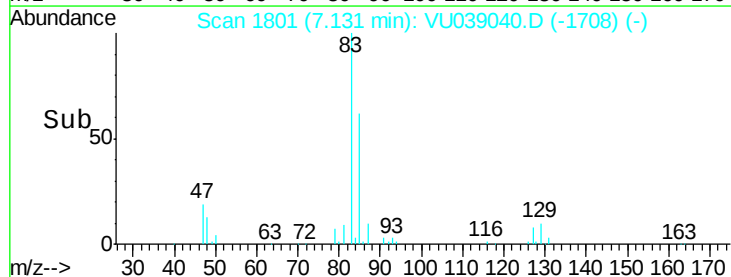
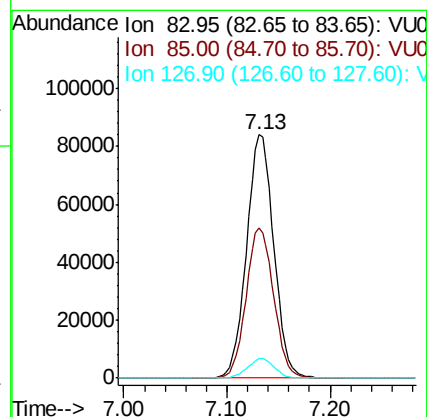
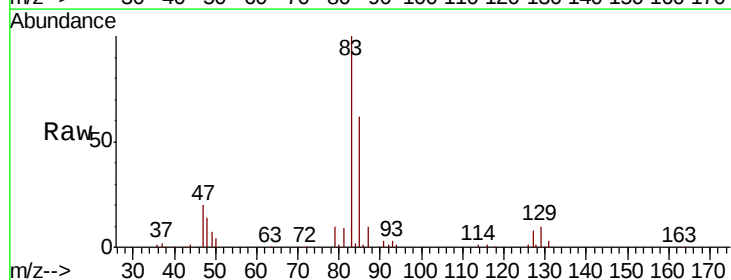
Tgt Ion: 83 Resp: 153729

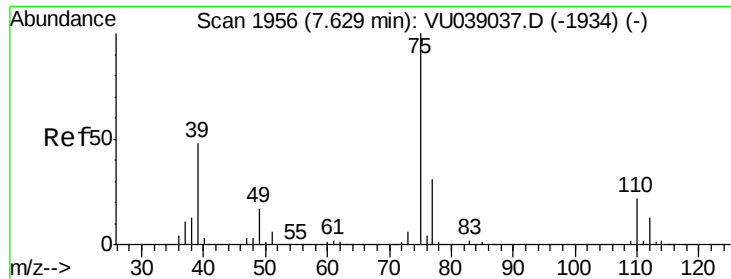
Ion Ratio Lower Upper

83 100

85 61.7 44.9 83.3

127 7.9 6.3 9.5

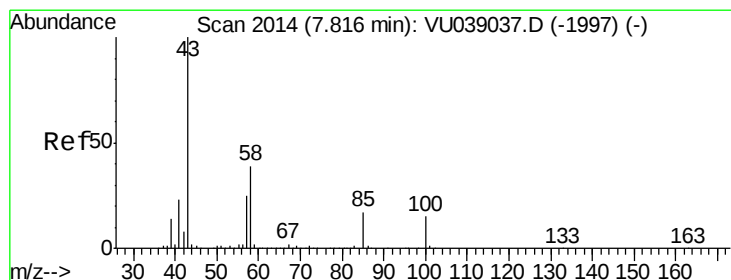
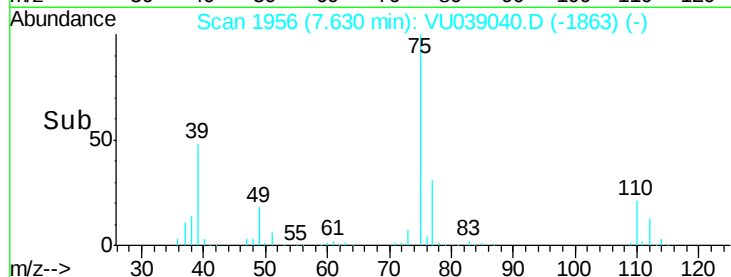
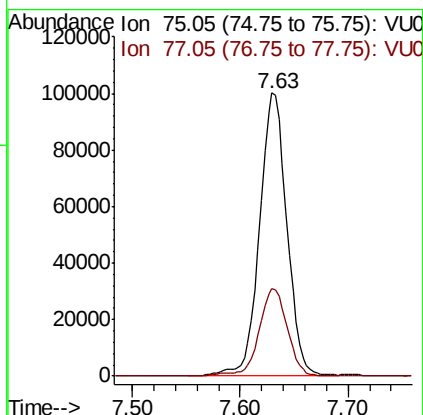
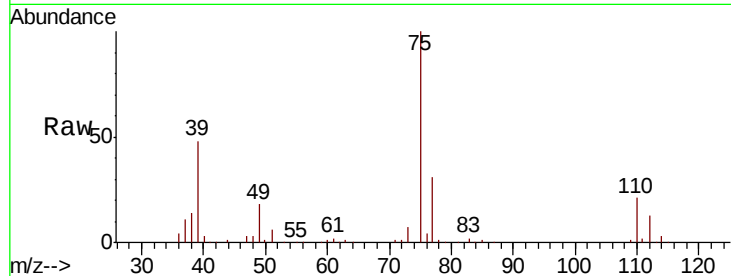




#39
 cis-1,3-Dichloropropene
 Concen: 5.362 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

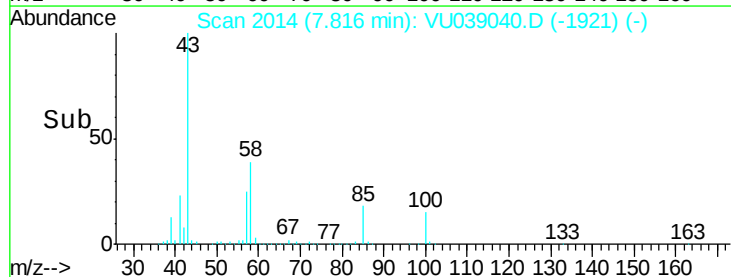
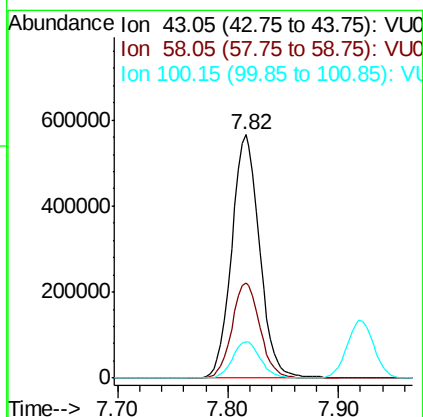
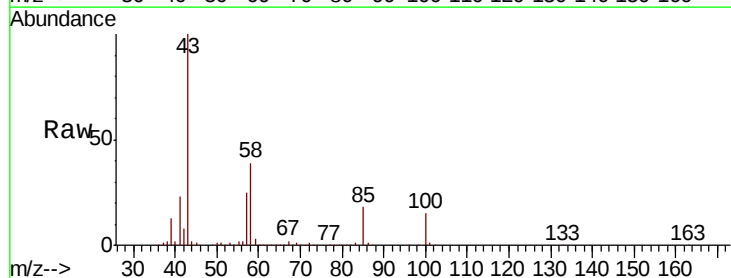
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

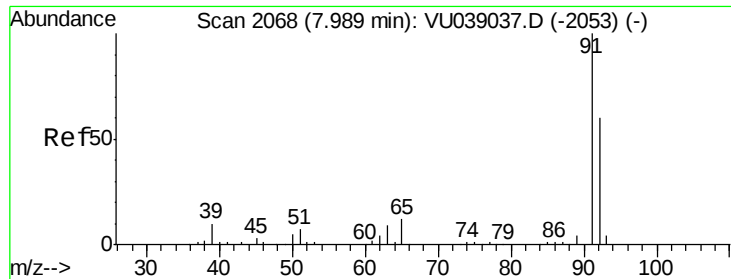
Tot Ion: 75 Resp: 176459
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 55.968 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Tgt Ion: 43 Resp: 991793
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 14.9 11.6 17.4





#42

Toluene

Concen: 5.249 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

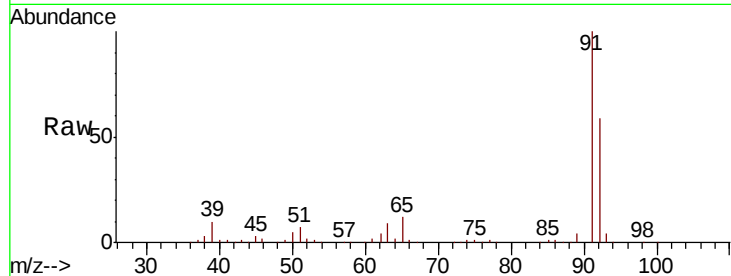
VICV06

Tot Ion: 91 Resp: 456610

Ion Ratio Lower Upper

91 100

92 58.9 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039037.D (-2053) (-)

7.99

300000

250000

200000

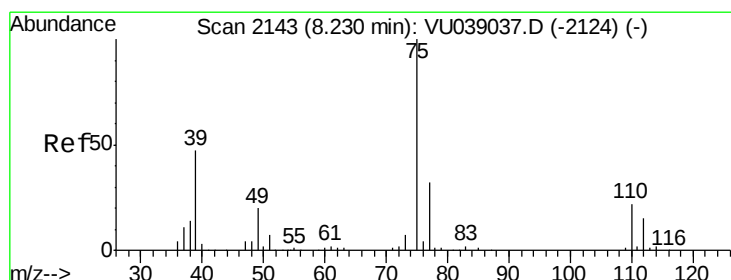
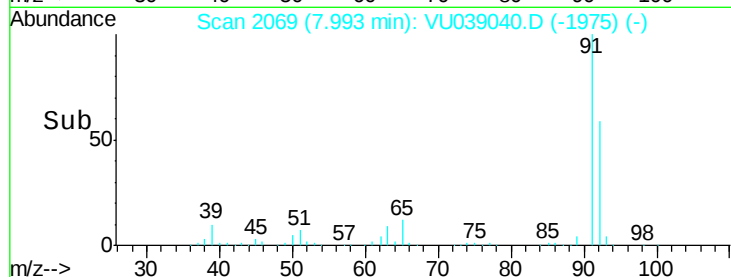
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.351 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU039040.D

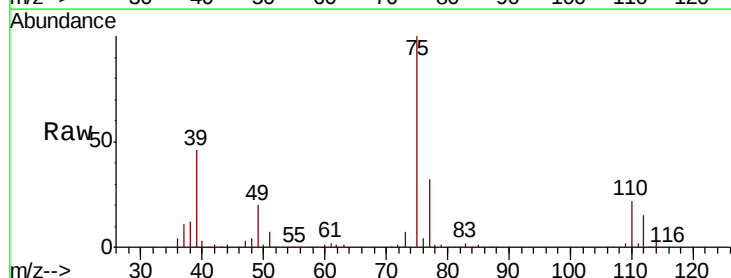
Acq: 23 Jun 2020 14:51

Tgt Ion: 75 Resp: 164781

Ion Ratio Lower Upper

75 100

77 31.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-2124) (-)

8.23

100000

80000

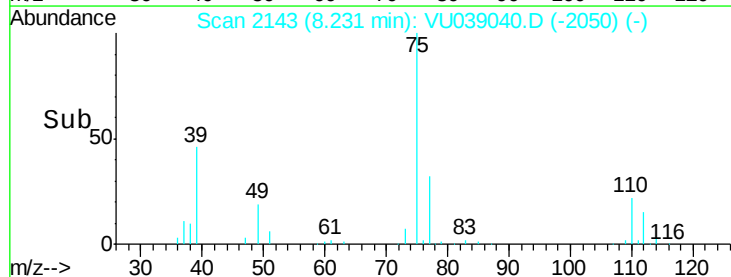
60000

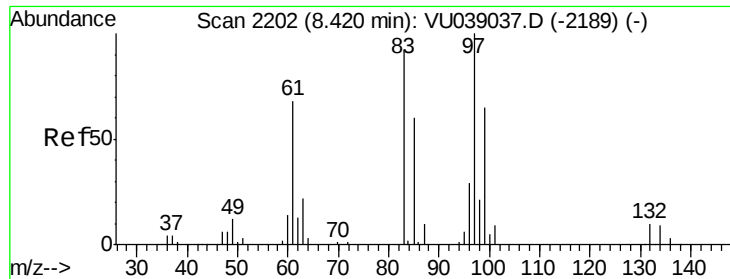
40000

20000

0

Time-->

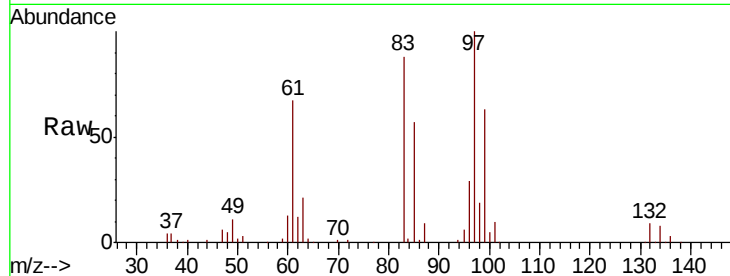




#45
1,1,2-Trichloroethane
Concen: 5.220 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tot Ion:	97	Resp:	92108
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.4	84.4
83	87.9	64.4	119.6
85	57.2	41.7	77.5



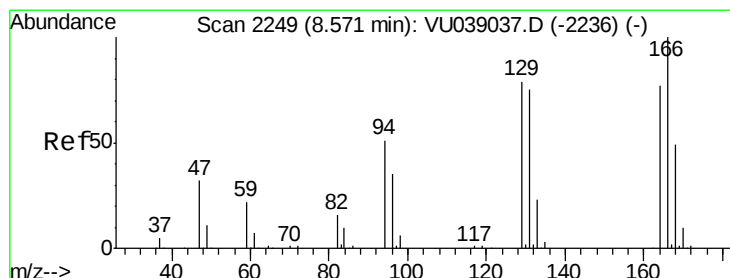
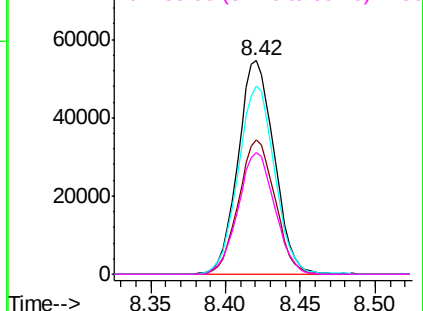
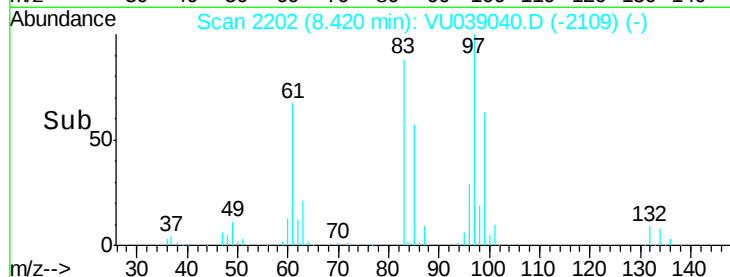
Abundance

Ion 96.95 (96.65 to 97.65): VU039040.D (-2109) (-)

Ion 99.05 (98.75 to 99.75): VU039040.D (-2109) (-)

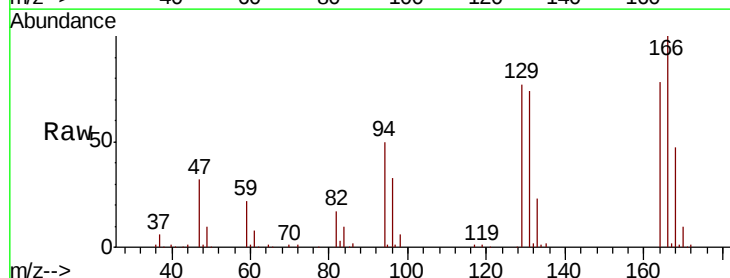
Ion 82.95 (82.65 to 83.65): VU039040.D (-2109) (-)

Ion 85.00 (84.70 to 85.70): VU039040.D (-2109) (-)



#47
Tetrachloroethene
Concen: 4.896 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion:	164	Resp:	74803
Ion	Ratio	Lower	Upper
164	100		
129	99.3	71.3	132.5
131	95.5	68.3	126.8
166	128.3	90.8	168.6



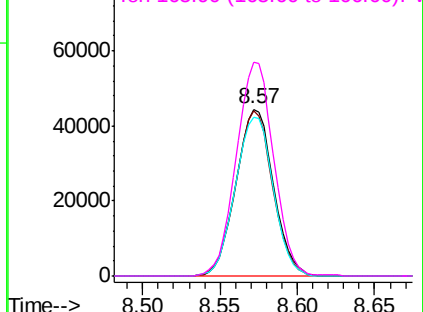
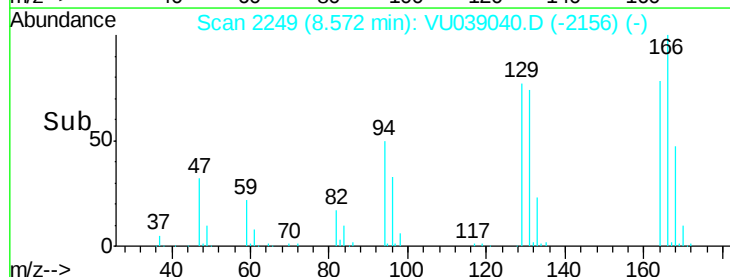
Abundance

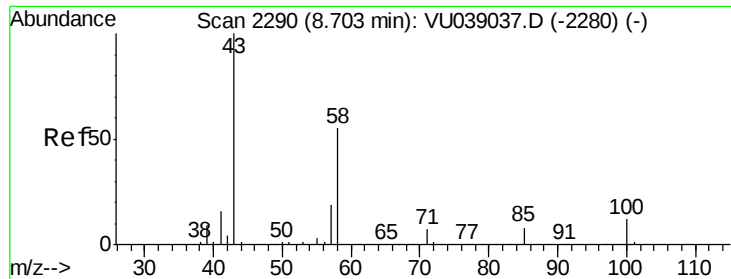
Ion 163.90 (163.60 to 164.60): VU039040.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU039040.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU039040.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU039040.D (-2156) (-)

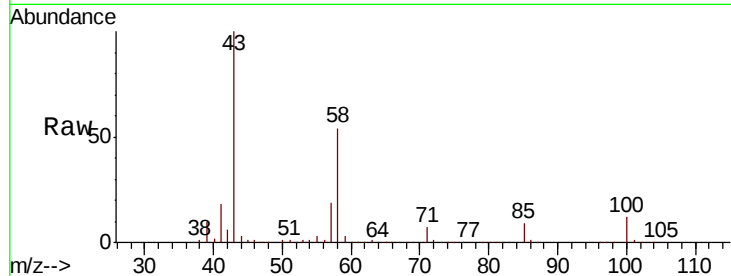




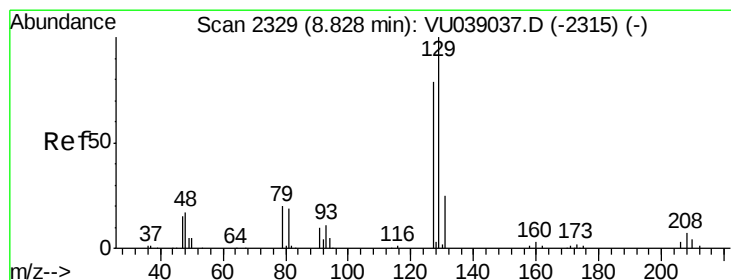
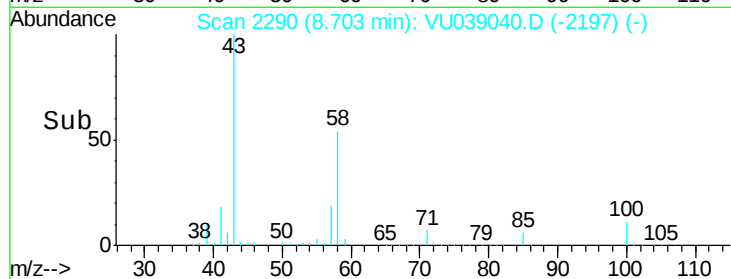
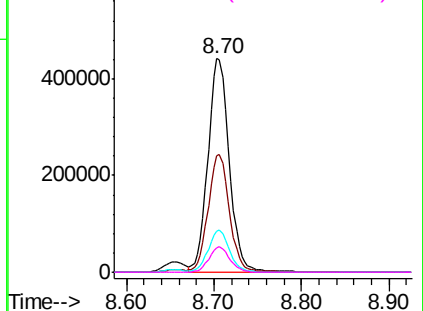
#48
2-Hexanone
Concen: 57.564 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tot Ion: 43 Resp: 747812
Ion Ratio Lower Upper
43 100
58 54.7 44.0 66.0
57 19.5 15.0 22.6
100 11.6 9.4 14.2

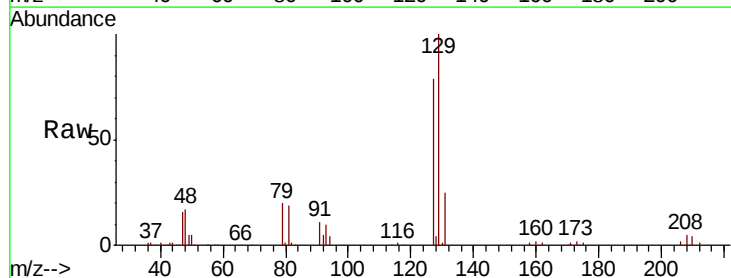


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

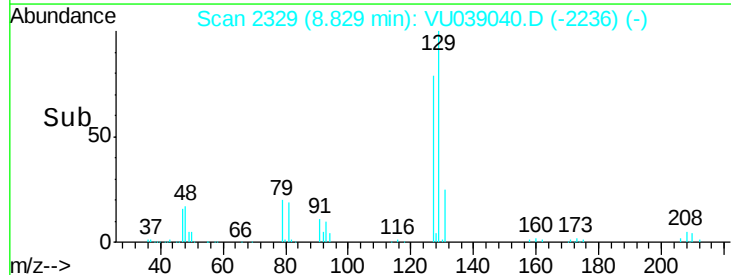
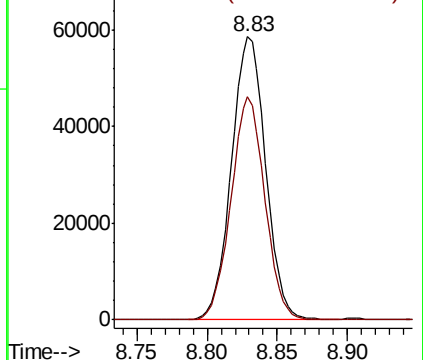


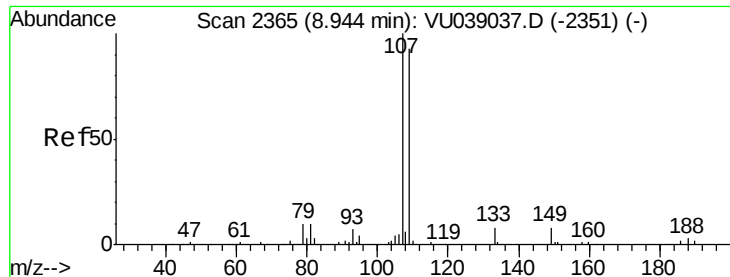
#49
Dibromochloromethane
Concen: 5.185 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion: 129 Resp: 99496
Ion Ratio Lower Upper
129 100
127 79.0 55.4 103.0



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





#50

1,2-Dibromoethane

Concen: 5.267 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

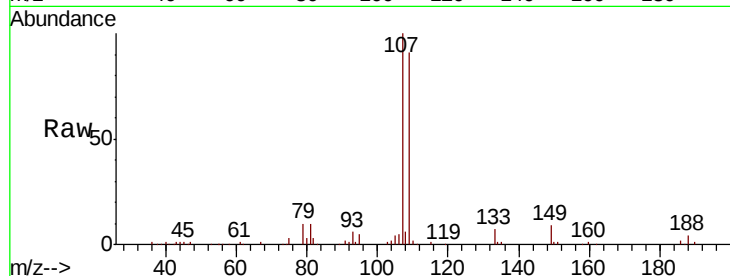
Tot Ion:107 Resp: 87869

Ion Ratio Lower Upper

107 100

109 90.8 64.8 120.4

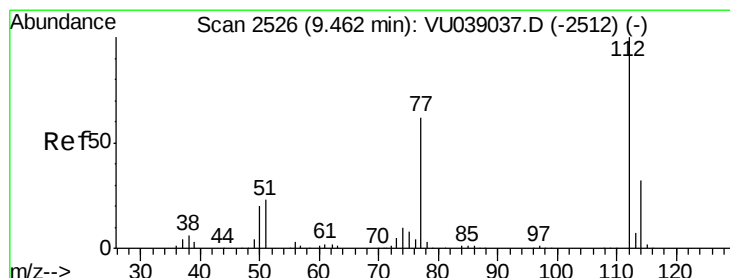
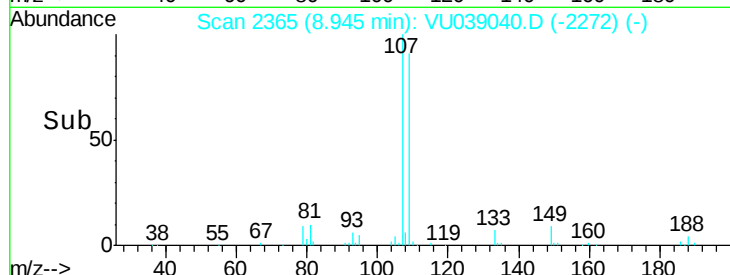
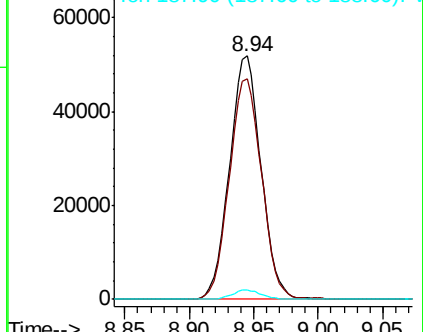
188 3.8 2.4 3.6#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.107 ug/L

RT: 9.46 min Scan# 2526

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

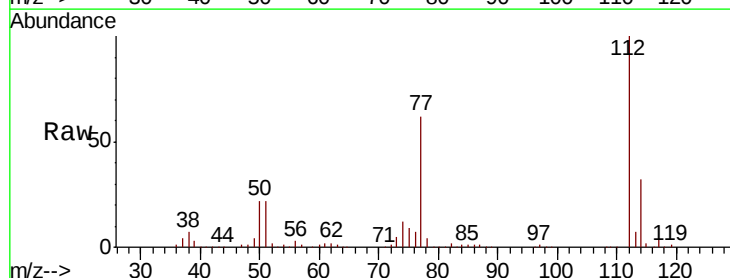
Tgt Ion:112 Resp: 279637

Ion Ratio Lower Upper

112 100

114 32.2 22.0 41.0

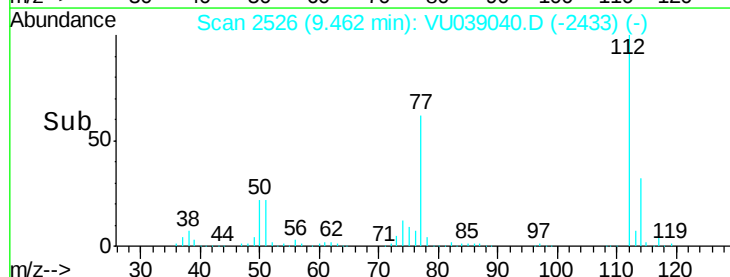
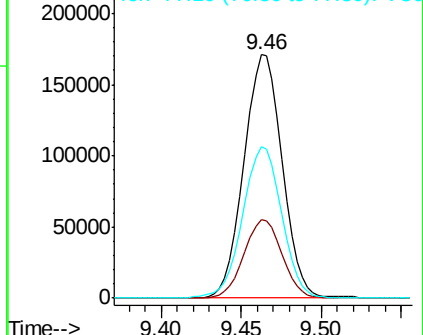
77 62.3 50.2 75.4

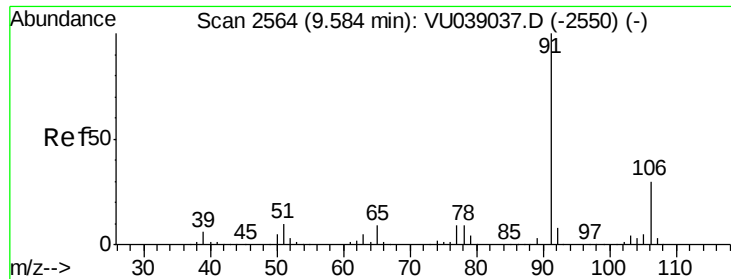


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.190 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

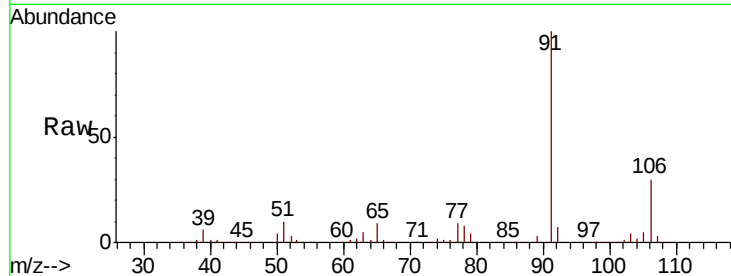
VICV06

Tot Ion: 91 Resp: 474507

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2550) (-)

Ion 106.15 (105.85 to 106.85): VU039037.D (-2550) (-)

9.59

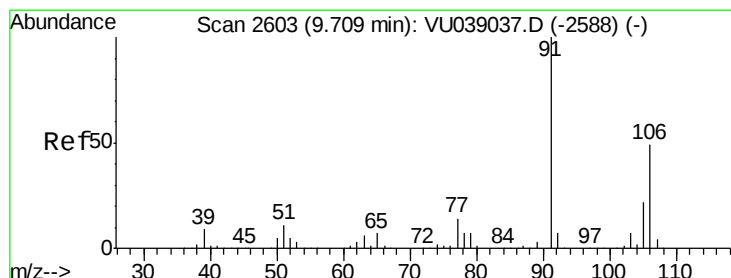
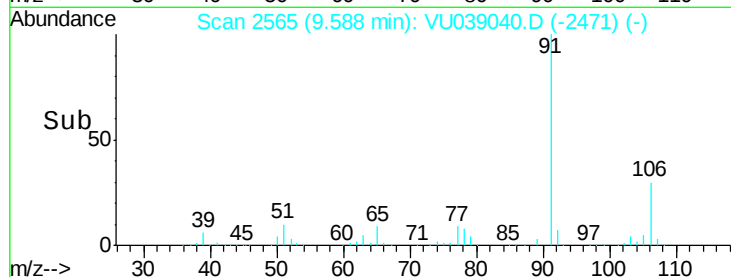
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 5.318 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039040.D

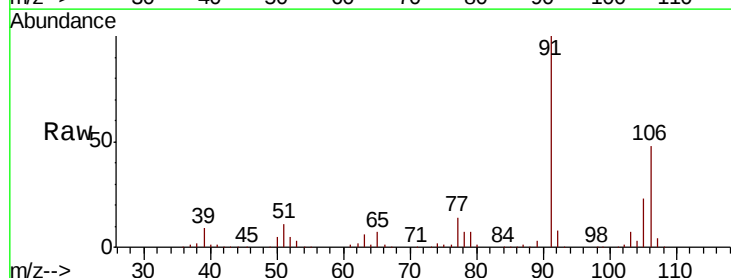
Acq: 23 Jun 2020 14:51

Tgt Ion: 106 Resp: 178804

Ion Ratio Lower Upper

106 100

91 206.6 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039037.D (-2588) (-)

Ion 91.15 (90.85 to 91.85): VU039037.D (-2588) (-)

9.71

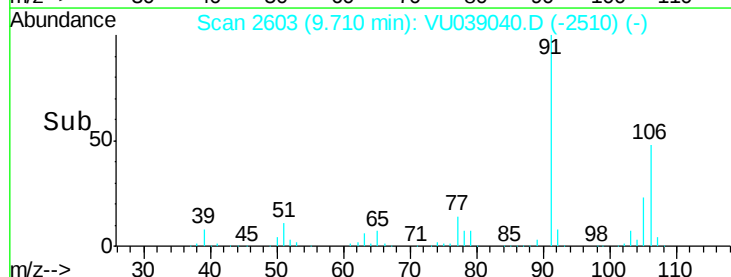
300000

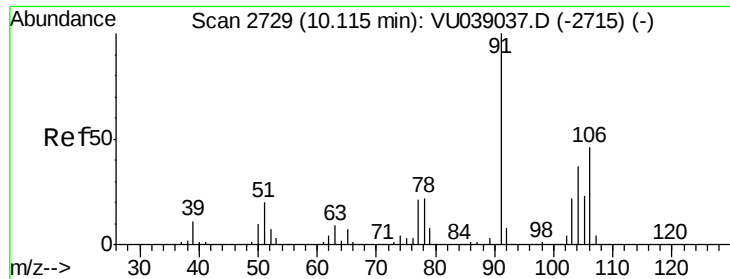
200000

100000

0

Time-->

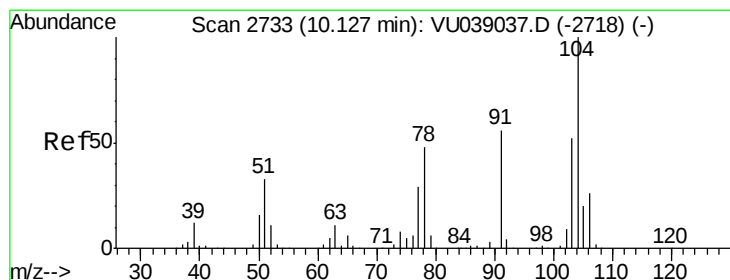
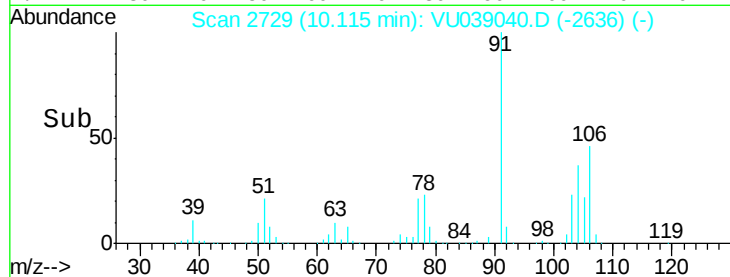
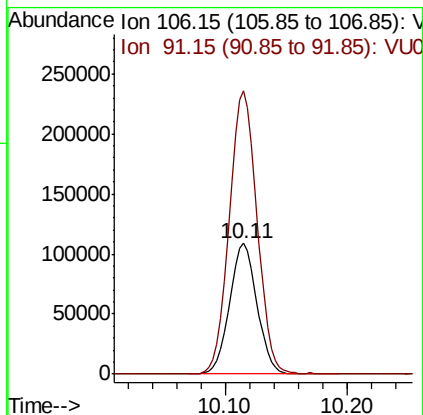
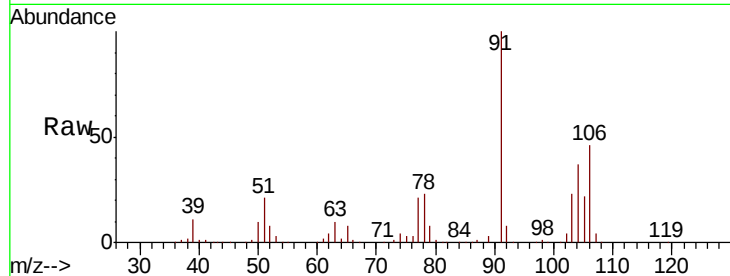




#54
o-Xylene
Concen: 5.273 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

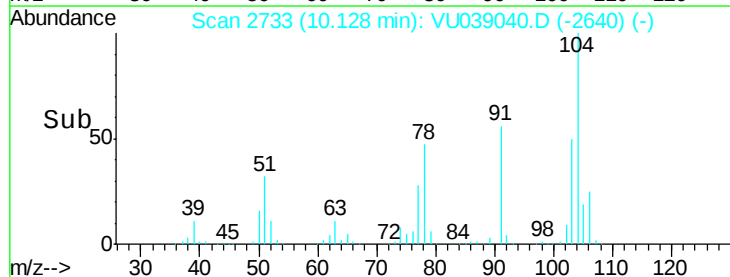
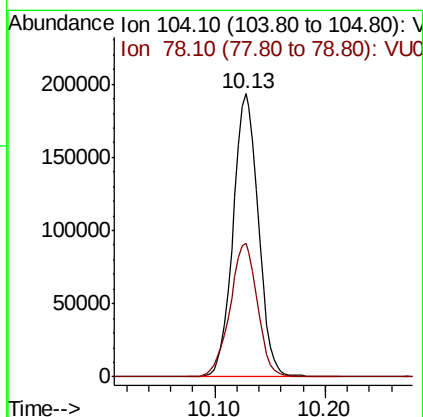
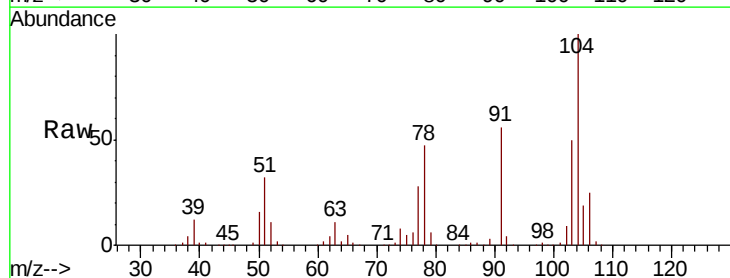
Instrument :
MSVOA_U
ClientSampleId :
VICV06

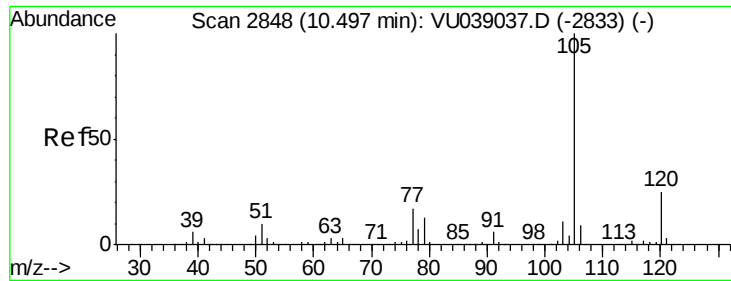
Tot Ion:106 Resp: 170303
Ion Ratio Lower Upper
106 100
91 216.2 153.5 285.1



#55
Styrene
Concen: 5.419 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU039040.D
Acq: 23 Jun 2020 14:51

Tgt Ion:104 Resp: 307371
Ion Ratio Lower Upper
104 100
78 47.1 33.5 62.1





#56

Isopropylbenzene

Concen: 5.251 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

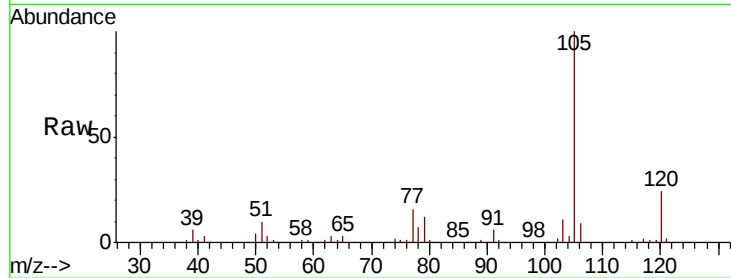
Tot Ion:105 Resp: 444357

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9

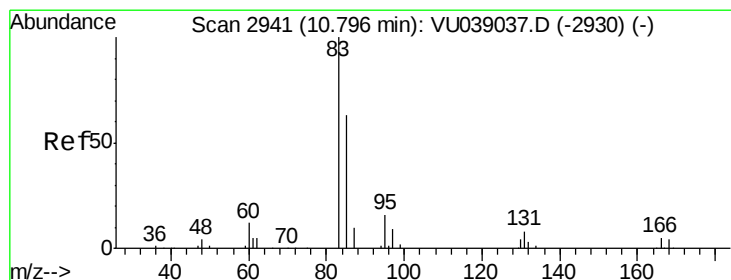
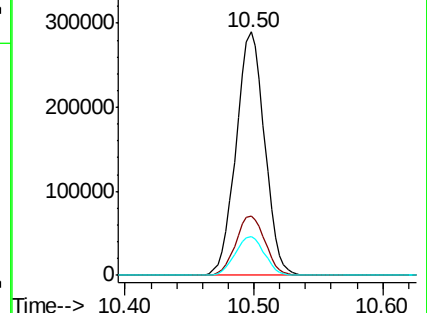
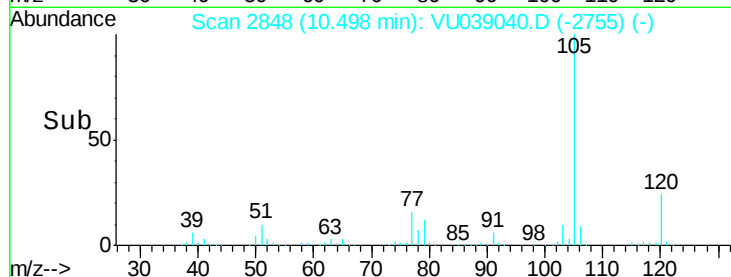
77 16.4 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.252 ug/L

RT: 10.79 min Scan# 2940

Delta R.T. -0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

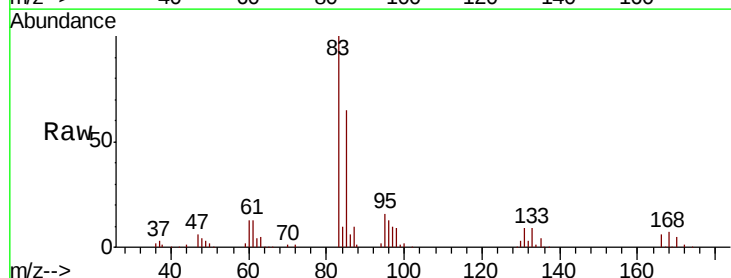
Tgt Ion: 83 Resp: 123927

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1

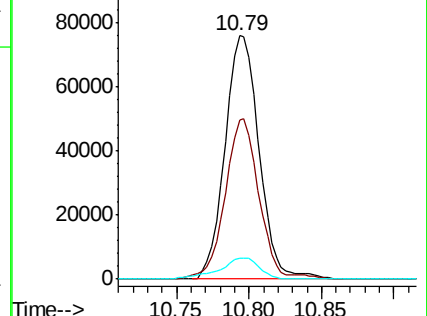
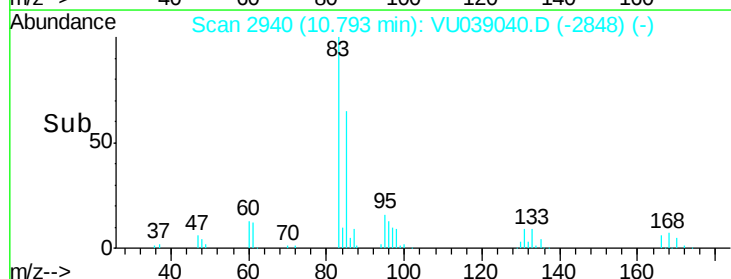
131 8.6 6.9 10.3

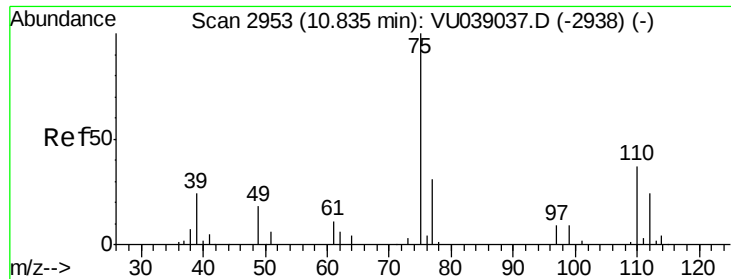


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.194 ug/L

RT: 10.84 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

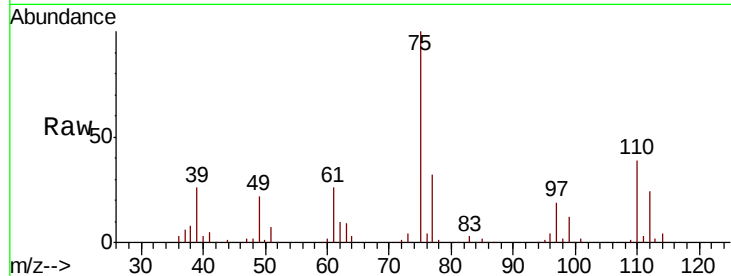
VICV06

Tot Ion: 75 Resp: 92978

Ion Ratio Lower Upper

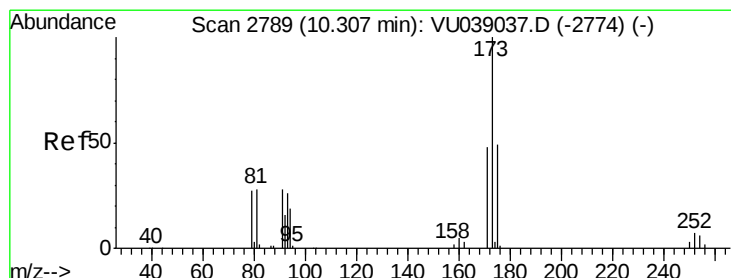
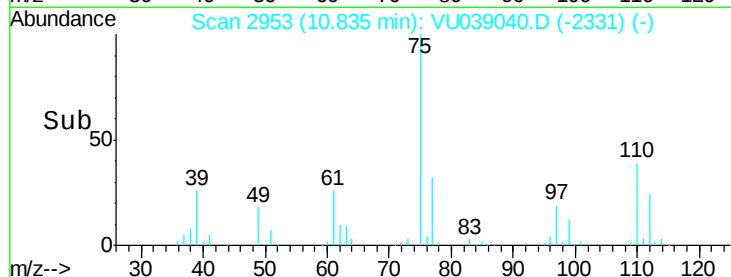
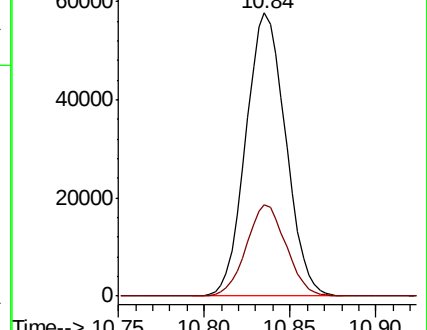
75 100

77 32.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039037.D (-2938) (-)

Ion 77.00 (76.70 to 77.70): VU039037.D (-2938) (-)



#61

Bromoform

Concen: 5.146 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

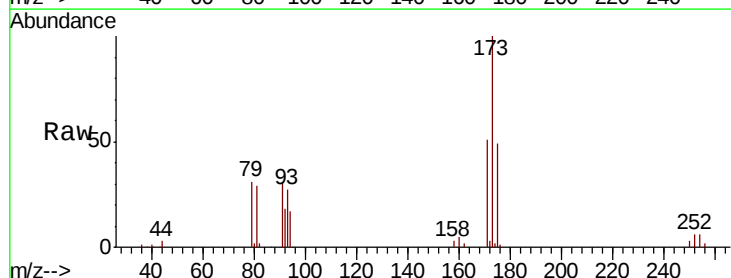
Tgt Ion: 173 Resp: 56070

Ion Ratio Lower Upper

173 100

175 47.9 39.3 58.9

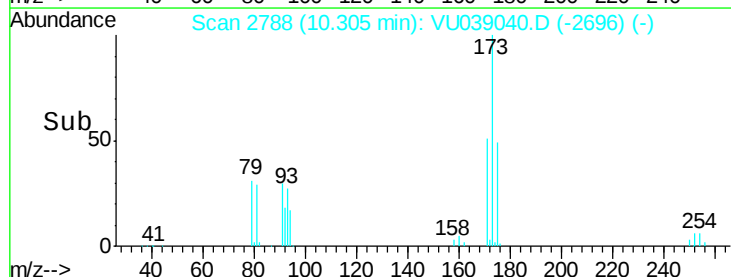
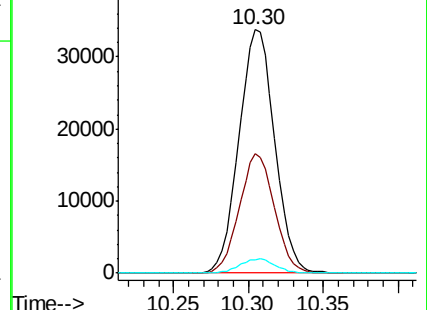
254 5.7 4.4 6.6

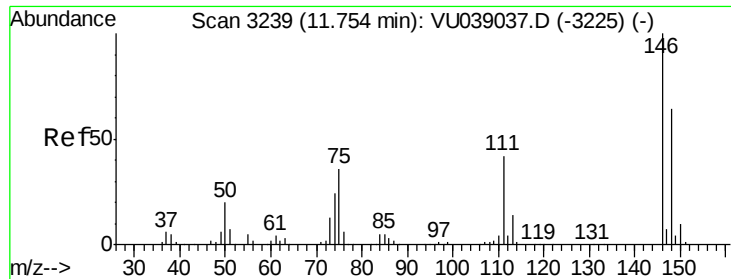


Abundance Ion 172.90 (172.60 to 173.60): VU039037.D (-2774) (-)

Ion 174.90 (174.60 to 175.60): VU039037.D (-2774) (-)

Ion 253.75 (253.45 to 254.45): VU039037.D (-2774) (-)

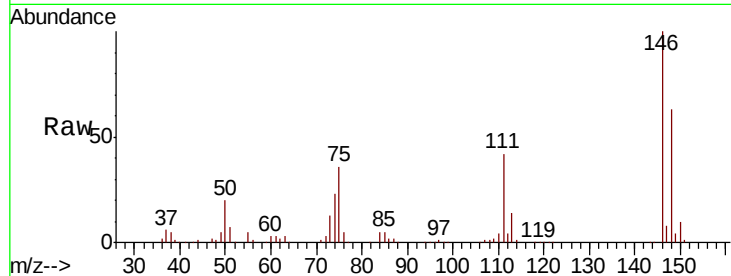




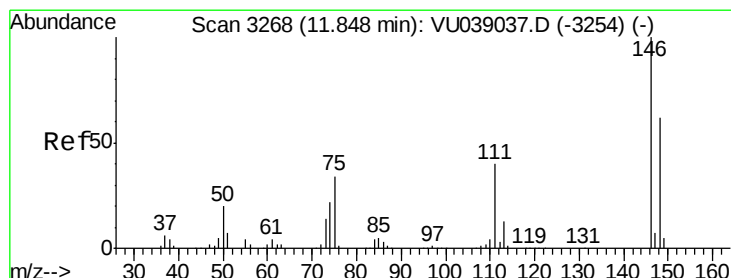
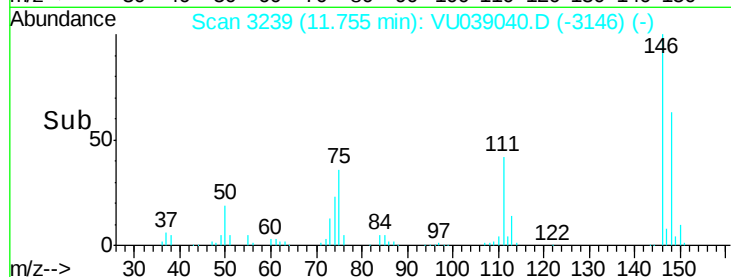
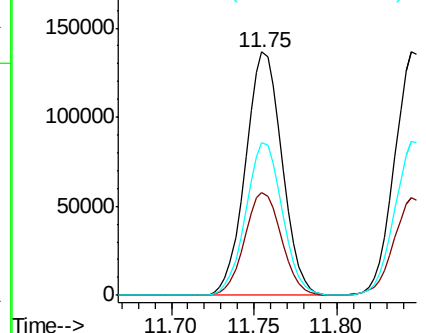
#62
 1,3-Dichlorobenzene
 Concen: 5.294 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

Tot Ion:146 Resp: 209979
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.5 54.9
 148 62.6 44.5 82.7

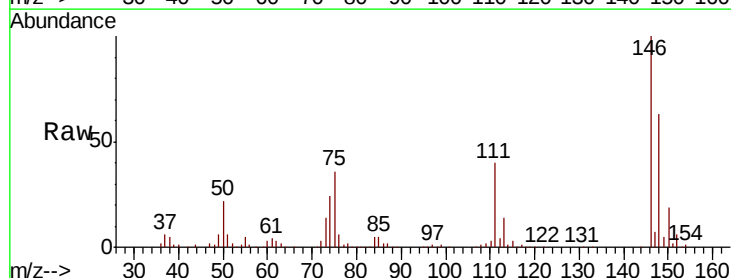


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

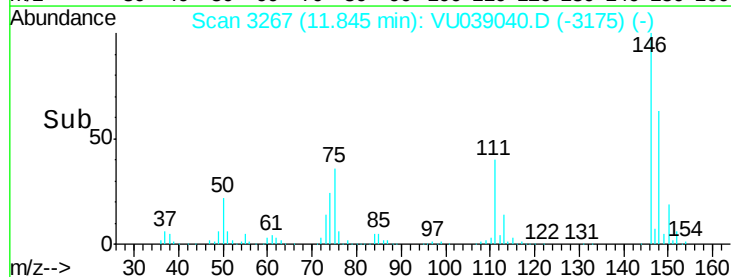
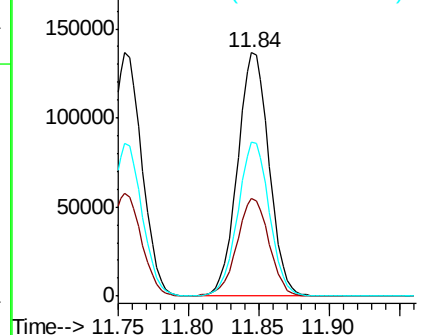


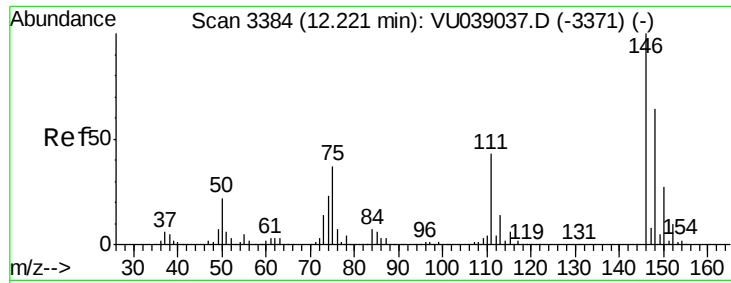
#63
 1,4-Dichlorobenzene
 Concen: 5.223 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. -0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Tgt Ion:146 Resp: 213394
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.4 52.8
 148 63.2 43.4 80.6



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





#65

1,2-Dichlorobenzene

Concen: 5.188 ug/L

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

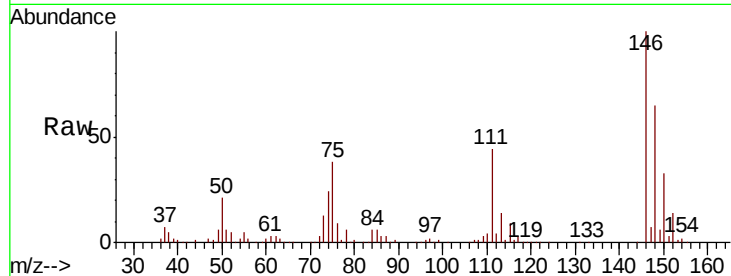
Tot Ion:146 Resp: 206328

Ion Ratio Lower Upper

146 100

111 44.1 34.7 52.1

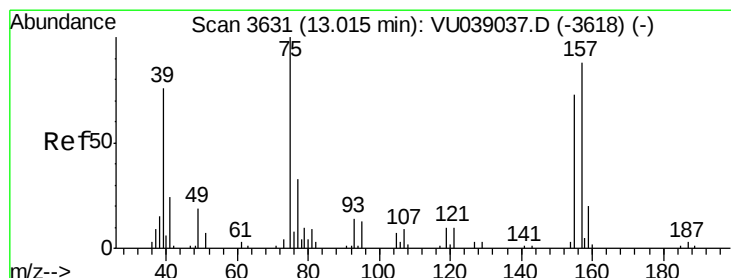
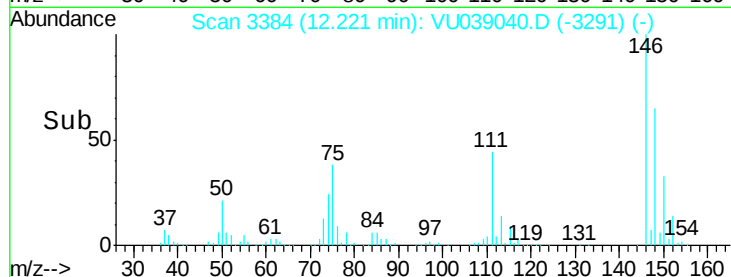
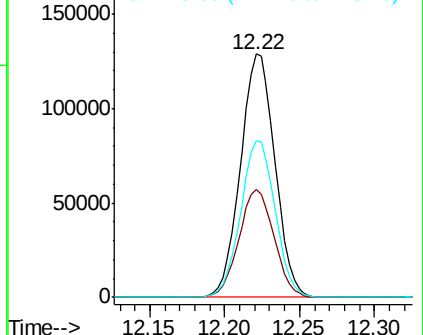
148 64.5 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.436 ug/L

RT: 13.01 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

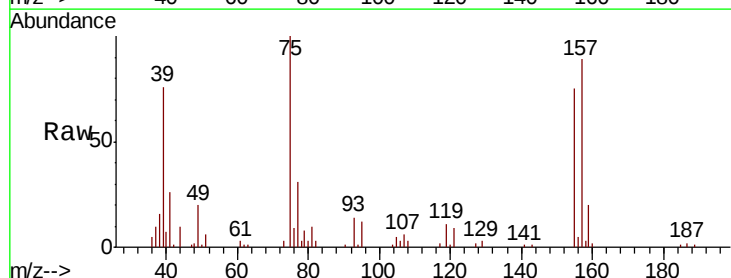
Tgt Ion: 75 Resp: 23851

Ion Ratio Lower Upper

75 100

155 75.3 58.6 88.0

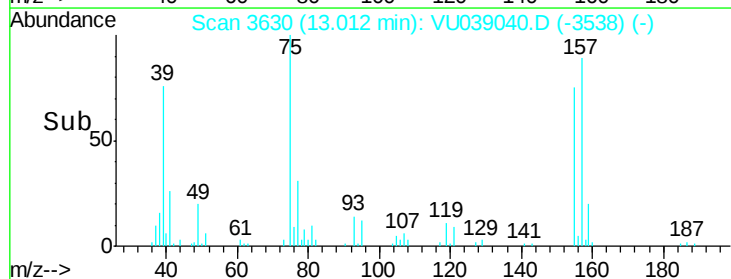
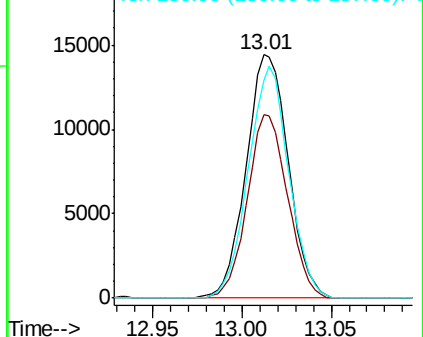
157 89.3 70.3 105.5

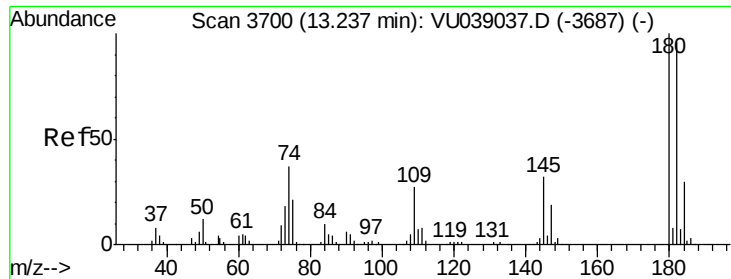


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

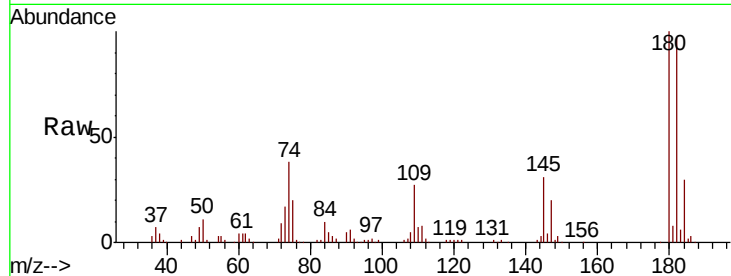




#67
 1,3,5-Trichlorobenzene
 Concen: 5.184 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

Tot Ion	180	Resp	152184
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.3	114.5
184	30.0	24.2	36.4
145	31.0	25.2	37.8

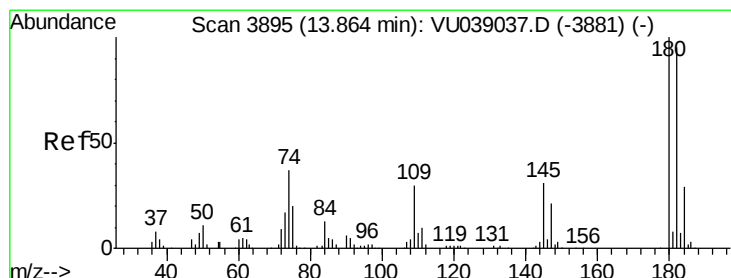
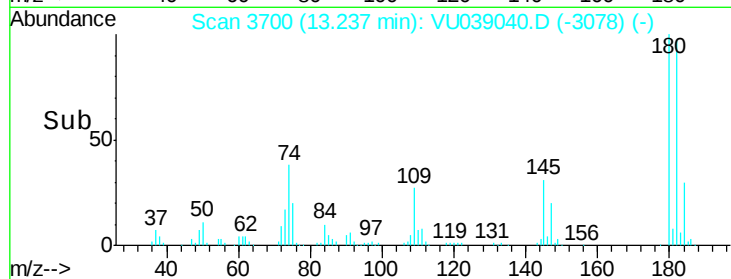
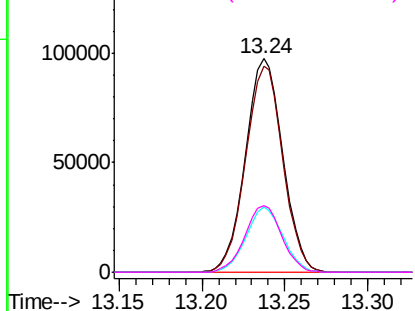


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

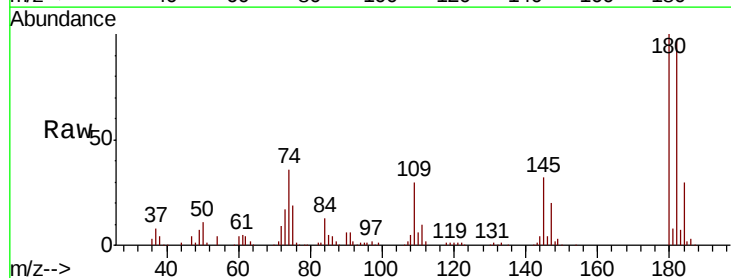
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.495 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU039040.D
 Acq: 23 Jun 2020 14:51

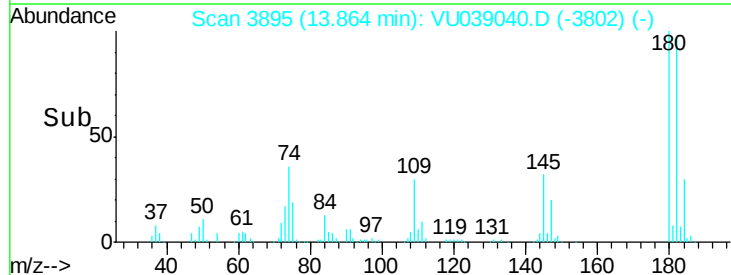
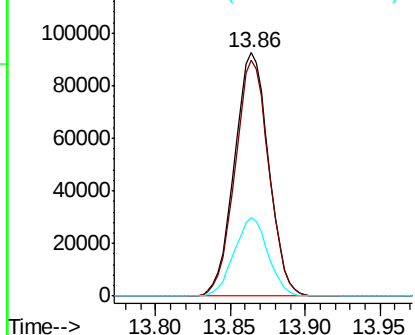
Tgt Ion	180	Resp	146947
Ion Ratio	Lower	Upper	
180	100		
182	95.7	77.0	115.6
145	31.8	25.4	38.2

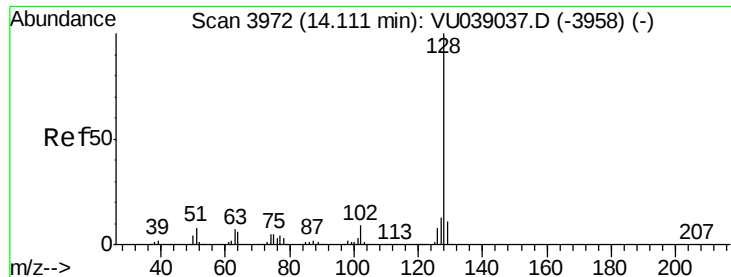


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.022 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

VICV06

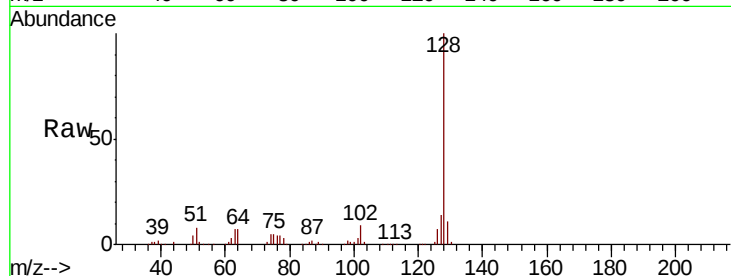
Tot Ion:128 Resp: 343565

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

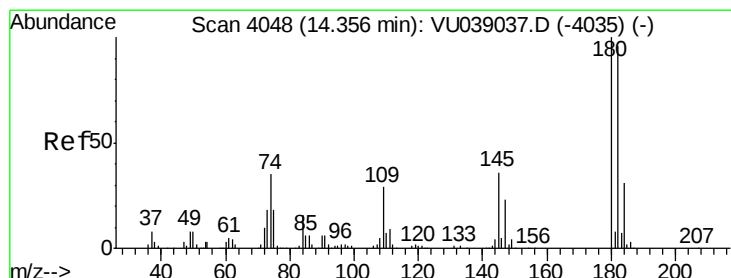
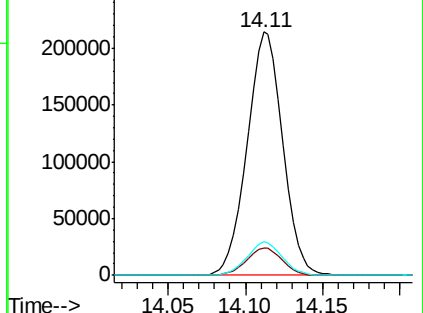
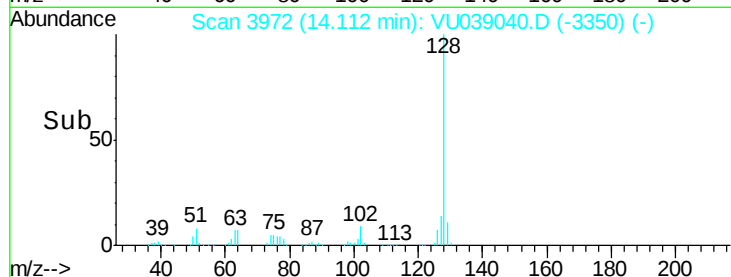
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.636 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU039040.D

Acq: 23 Jun 2020 14:51

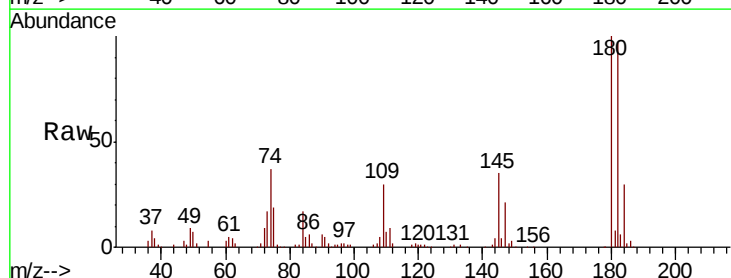
Tgt Ion:180 Resp: 145475

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 35.0 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

