

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
 Data File : VU038941.D
 Acq On : 17 Jun 2020 13:19
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Quant Time: Jun 18 04:00:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 14:56:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	295378	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286773	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103535	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.93	69	91532	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.59	63	199716	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.68	46	334424	50.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.92%
24) Chloroform-d	5.11	84	192707	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	113697	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.76	84	372757	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.72	67	115435	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.92	98	332265	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	8.20	79	53350	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.66	63	295611	52.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108846	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	133194	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	137370	4.930	ug/L	99
3) Chloromethane	1.53	50	142432	5.141	ug/L	100
5) Vinyl chloride	1.62	62	143608	5.177	ug/L	99
6) Bromomethane	1.88	94	85933	5.451	ug/L	94
8) Chloroethane	1.95	64	92282	5.240	ug/L	100
9) Trichlorofluoromethane	2.16	101	227449	5.396	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104590	4.825	ug/L	99
12) 1,1-Dichloroethene	2.61	96	102557	4.937	ug/L	99
13) Acetone	2.69	43	220193	49.234	ug/L	100
14) Carbon disulfide	2.82	76	349949	4.992	ug/L	100
15) Methyl Acetate	2.99	43	54508	4.983	ug/L	95
16) Methylene chloride	3.08	84	118318	4.952	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	284929	5.218	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	109447	5.021	ug/L	99
19) 1,1-Dichloroethane	3.91	63	199058	5.030	ug/L	100
21) 2-Butanone	4.76	43	360475	50.951	ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	114604	5.119	ug/L	94

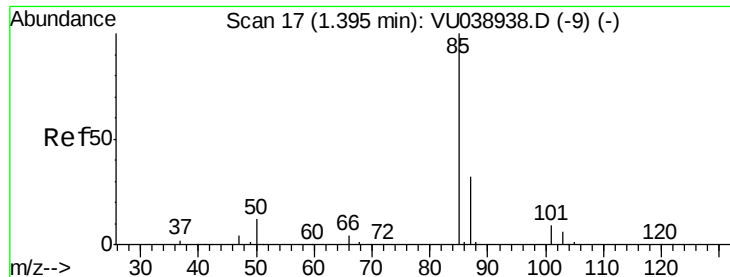
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54165	5.108	ug/L	96
25) Chloroform	5.13	83	201266	4.993	ug/L	98
27) 1,2-Dichloroethane	5.83	62	144349	4.920	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	177646	4.993	ug/L	99
30) Cyclohexane	5.43	56	169717	5.028	ug/L	99
31) Carbon tetrachloride	5.56	117	151415	4.828	ug/L	99
33) Benzene	5.81	78	440020	5.136	ug/L	100
34) Trichloroethene	6.57	95	112272	5.166	ug/L	98
35) Methylcyclohexane	6.79	83	173622	5.039	ug/L	99
37) 1,2-Dichloropropane	6.82	63	112614	5.034	ug/L	100
38) Bromodichloromethane	7.13	83	146175	5.025	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	171148	5.207	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	837455	54.328	ug/L	100
42) Toluene	8.00	91	459154	5.175	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	158904	5.259	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	86163	5.189	ug/L	97
47) Tetrachloroethene	8.58	164	83380	4.951	ug/L	98
48) 2-Hexanone	8.71	43	629914	53.942	ug/L	99
49) Dibromochloromethane	8.83	129	103393	5.198	ug/L	99
50) 1,2-Dibromoethane	8.95	107	86392	5.203	ug/L	99
51) Chlorobenzene	9.47	112	291512	5.054	ug/L	99
52) Ethylbenzene	9.59	91	494735	5.154	ug/L	100
53) m,p-Xylene	9.71	106	194644	5.256	ug/L	98
54) o-Xylene	10.12	106	183106	5.161	ug/L	100
55) Styrene	10.13	104	323643	5.293	ug/L	100
56) Isopropylbenzene	10.50	105	485652	5.143	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	114551	4.997	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	85921	4.980	ug/L	99
61) Bromoform	10.31	173	59453	4.927	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	240370	5.183	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	241523	5.060	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	230301	5.031	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	21418	4.641	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	186601	4.942	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	174014	5.104	ug/L	100
69) Naphthalene	14.12	128	351877	5.339	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	165919	5.252	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.930 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

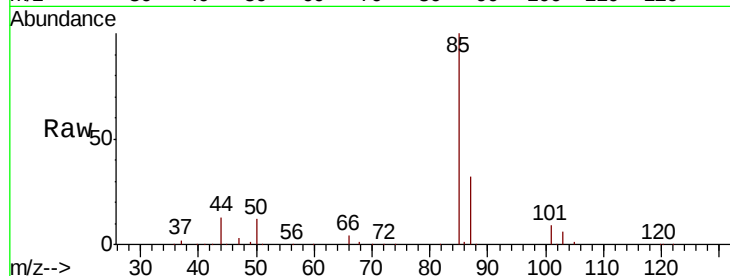
VICV03

Tot Ion: 85 Resp: 137370

Ion Ratio Lower Upper

85 100

87 31.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038941.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038941.D (-1) (-)

1.39

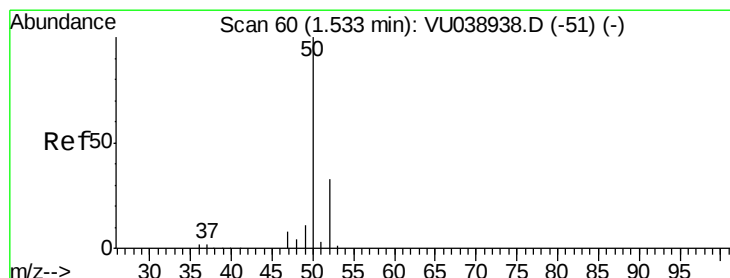
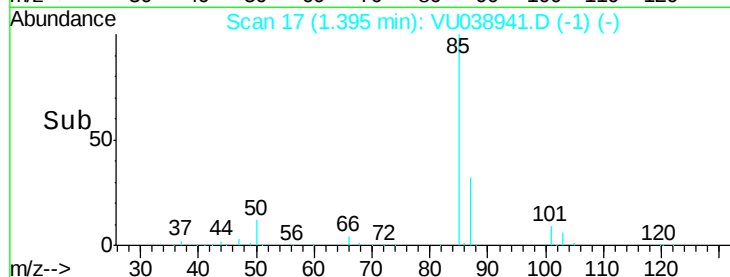
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.141 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038941.D

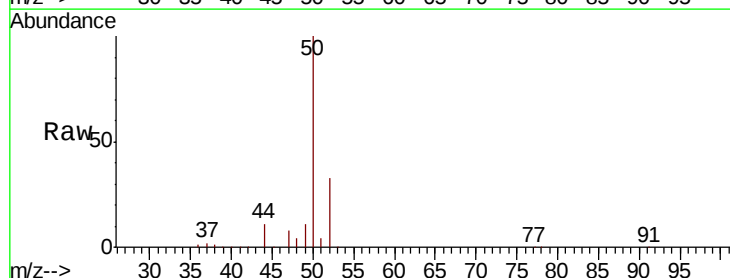
Acq: 17 Jun 2020 13:19

Tgt Ion: 50 Resp: 142432

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038941.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038941.D (-1) (-)

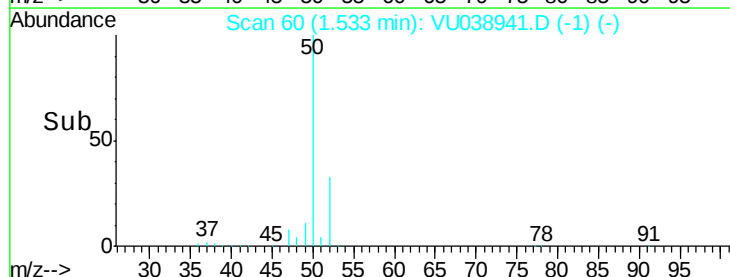
1.53

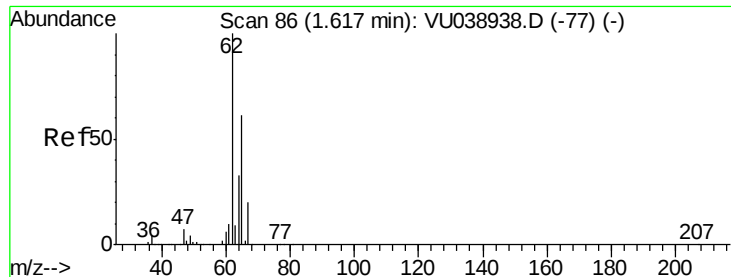
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.177 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampled :

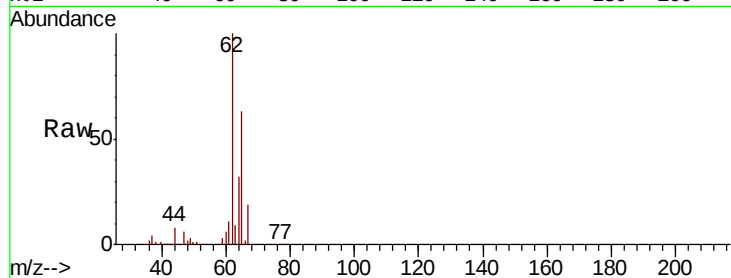
VICV03

Tot Ion: 62 Resp: 143608

Ion Ratio Lower Upper

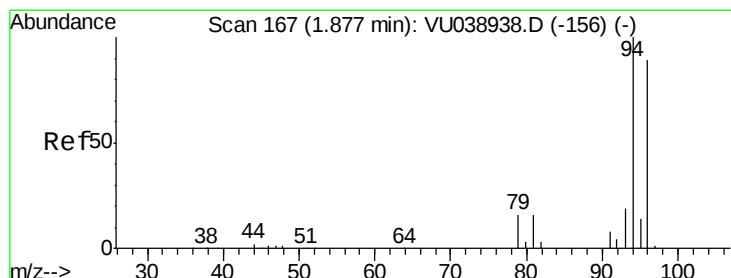
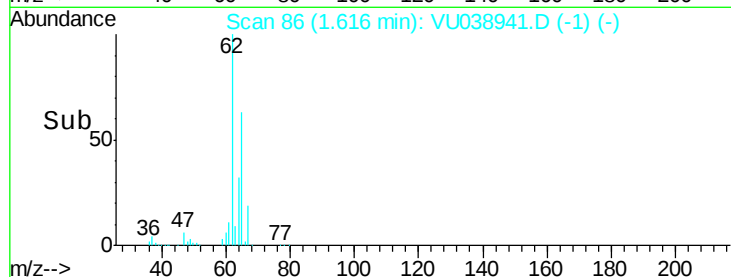
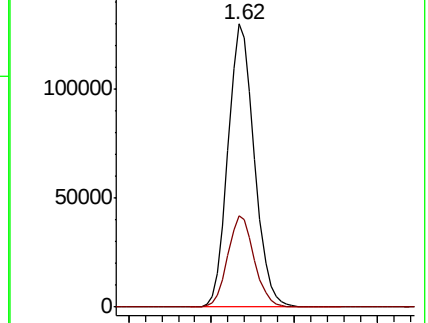
62 100

64 32.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU038941.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU038941.D (-1) (-)



#6

Bromomethane

Concen: 5.451 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038941.D

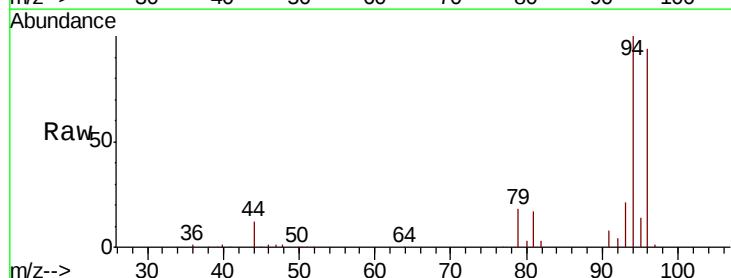
Acq: 17 Jun 2020 13:19

Tgt Ion: 94 Resp: 85933

Ion Ratio Lower Upper

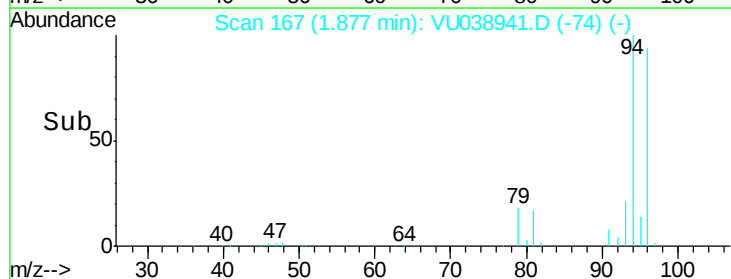
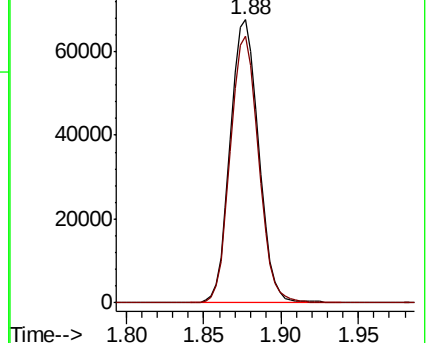
94 100

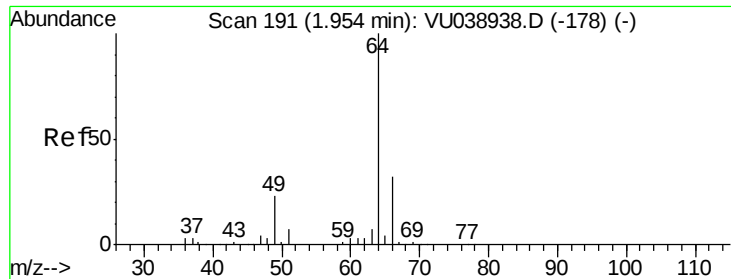
96 94.3 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU038941.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU038941.D (-74) (-)





#8

Chloroethane

Concen: 5.240 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

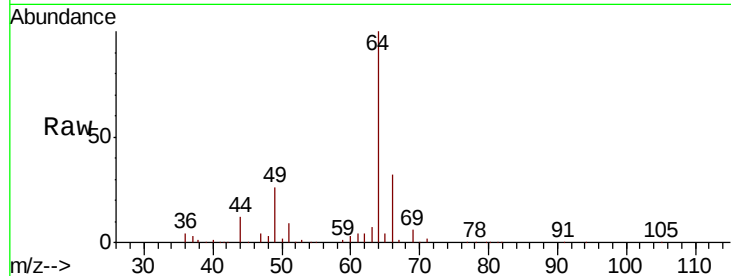
VICV03

Tot Ion: 64 Resp: 92282

Ion Ratio Lower Upper

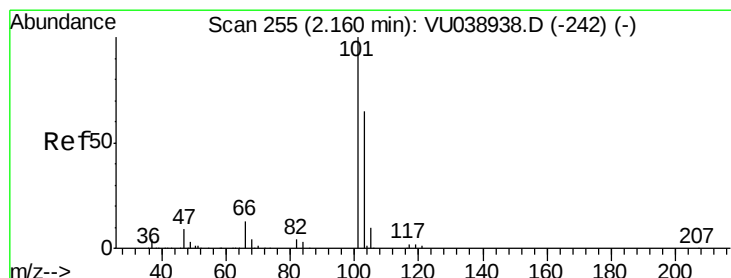
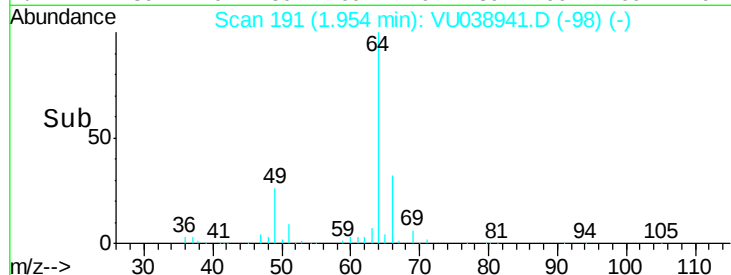
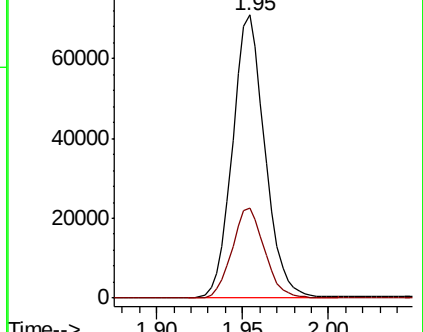
64 100

66 31.6 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU038941.D (-98) (-)

Ion 66.05 (65.75 to 66.75): VU038941.D (-98) (-)



#9

Trichlorofluoromethane

Concen: 5.396 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038941.D

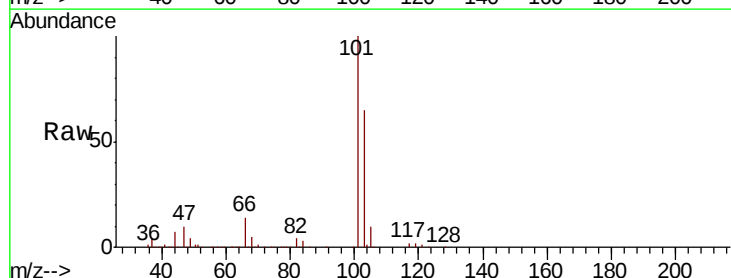
Acq: 17 Jun 2020 13:19

Tgt Ion:101 Resp: 227449

Ion Ratio Lower Upper

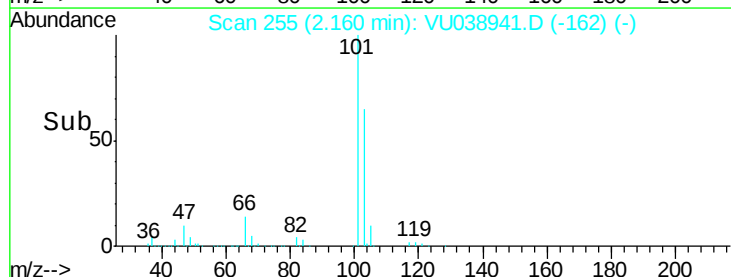
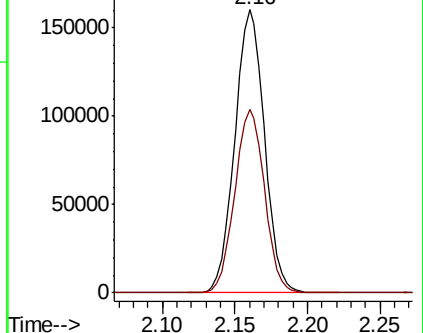
101 100

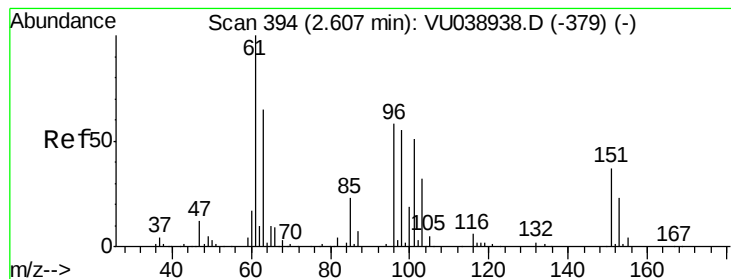
103 64.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU038941.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU038941.D (-162) (-)





#10

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

Concen: 4.825 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV03

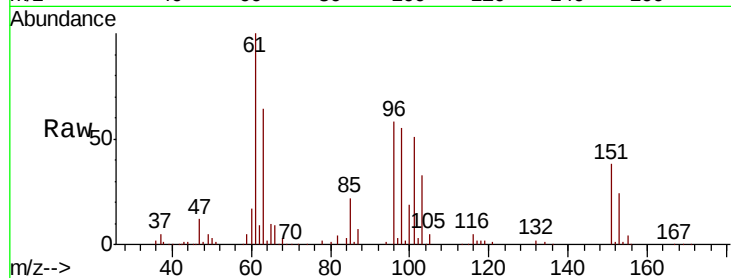
Tot Ion:101 Resp: 104590

Ion Ratio Lower Upper

101 100

85 43.3 35.7 53.5

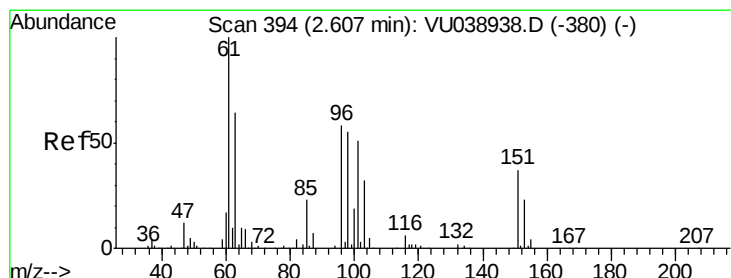
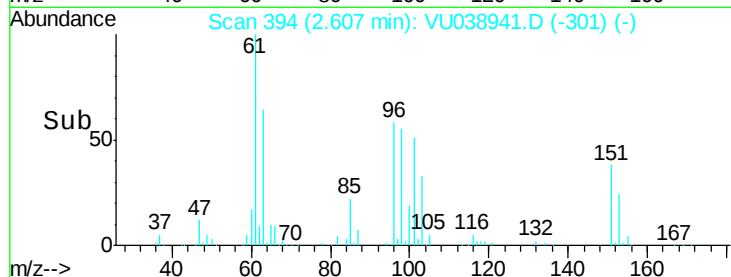
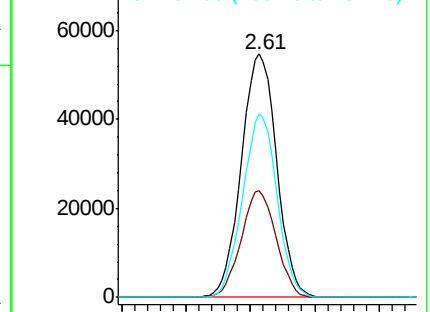
151 73.2 58.5 87.7



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: 4.937 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

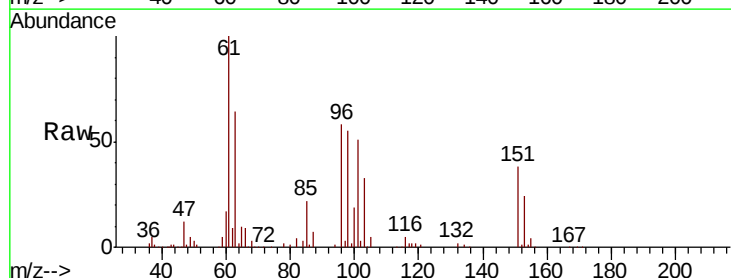
Tgt Ion: 96 Resp: 102557

Ion Ratio Lower Upper

96 100

61 171.5 120.3 223.5

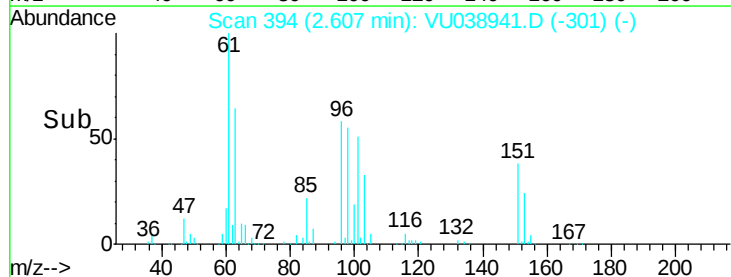
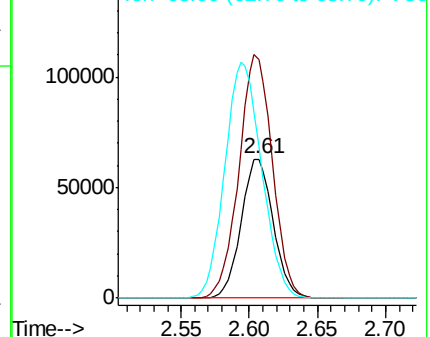
63 109.1 78.7 146.1

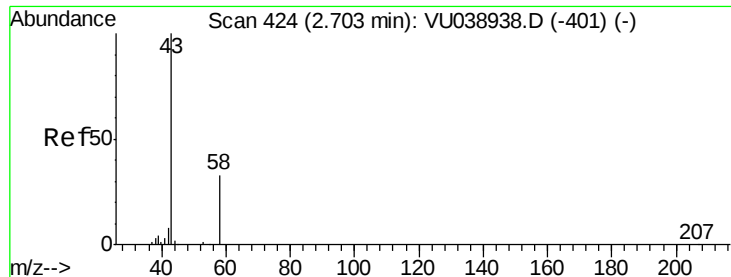


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.234 ug/L

RT: 2.69 min Scan# 420

Delta R.T. -0.01 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

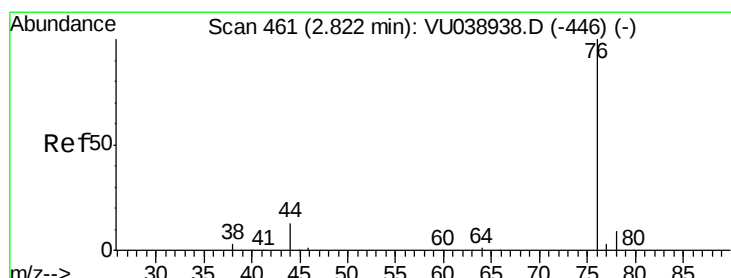
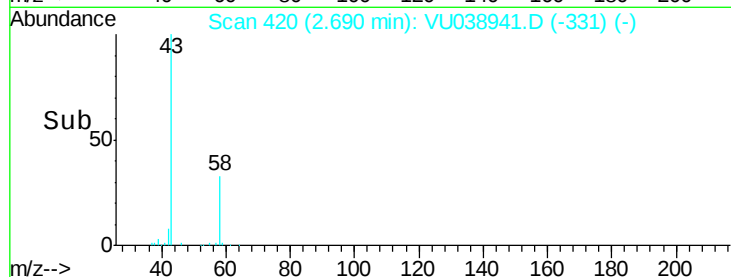
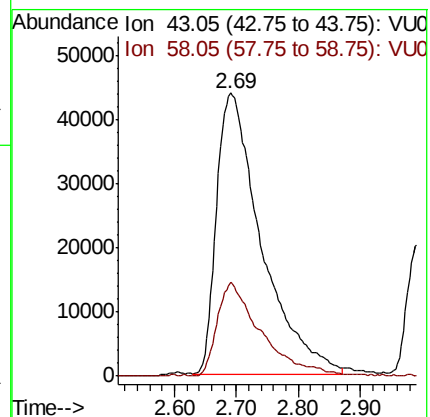
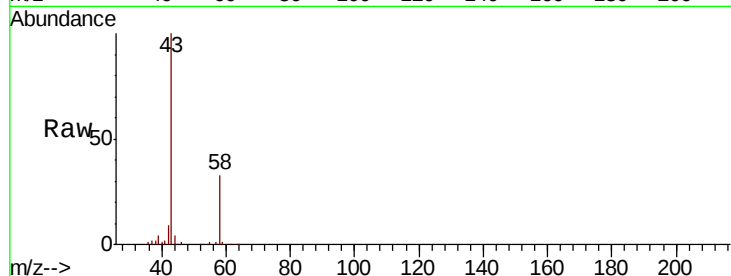
VICV03

Tot Ion: 43 Resp: 220193

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.0



#14

Carbon disulfide

Concen: 4.992 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038941.D

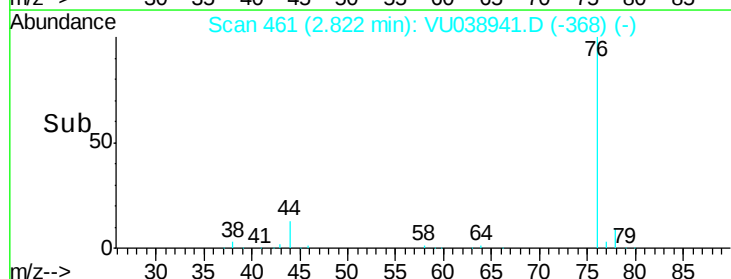
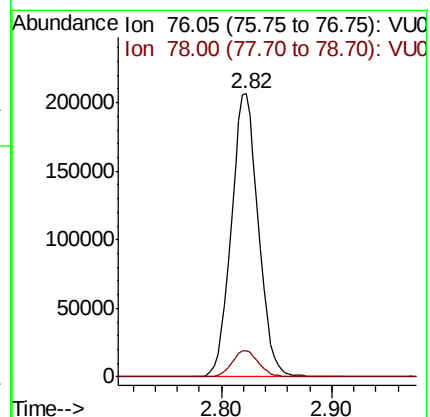
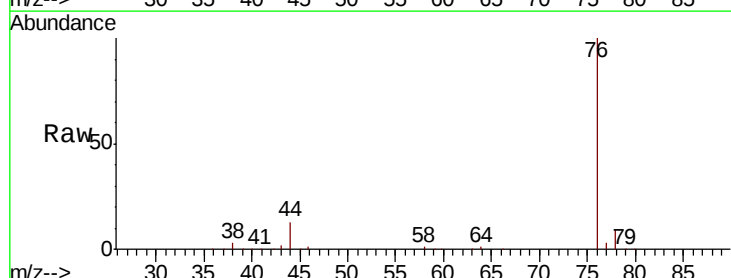
Acq: 17 Jun 2020 13:19

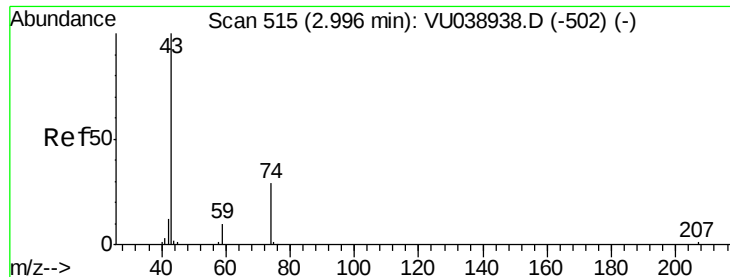
Tgt Ion: 76 Resp: 349949

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 4.983 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

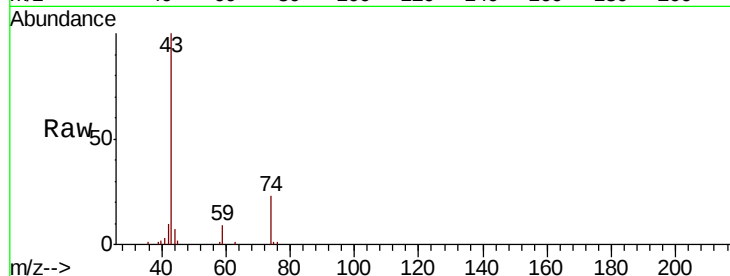
VICV03

Tot Ion: 43 Resp: 54508

Ion Ratio Lower Upper

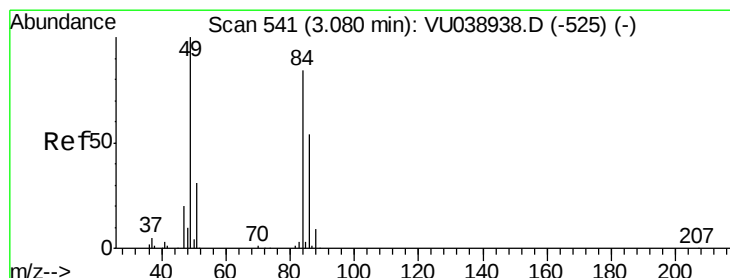
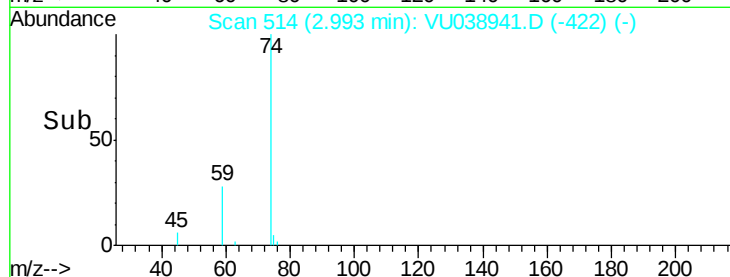
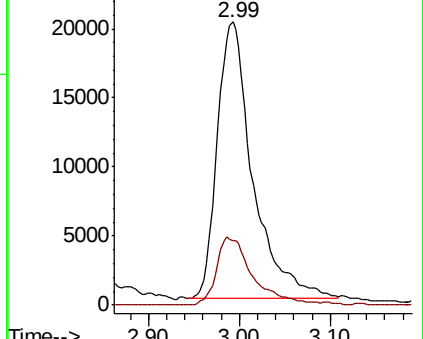
43 100

74 25.0 22.2 33.2



Abundance Ion 43.05 (42.75 to 43.75): VU038941.D (-422) (-)

Ion 74.05 (73.75 to 74.75): VU038941.D (-422) (-)



#16

Methylene chloride

Concen: 4.952 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

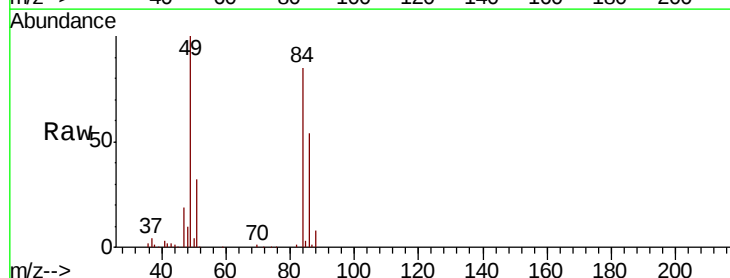
Tgt Ion: 84 Resp: 118318

Ion Ratio Lower Upper

84 100

86 63.7 45.1 83.7

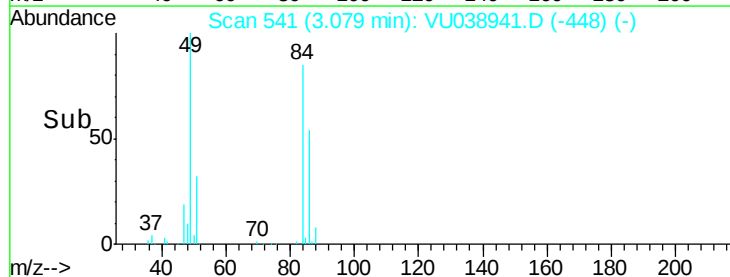
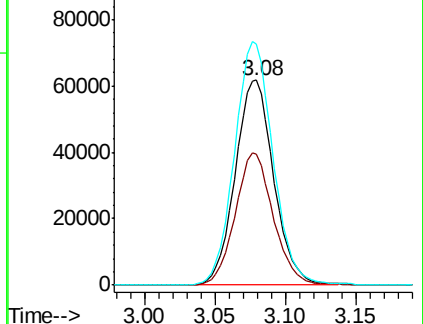
49 117.5 83.7 155.4

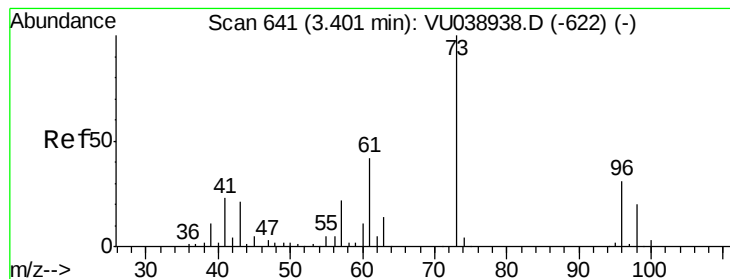


Abundance Ion 84.05 (83.75 to 84.75): VU038941.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU038941.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU038941.D (-448) (-)





#17

Methyl tert-butyl Ether

Concen: 5.218 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV03

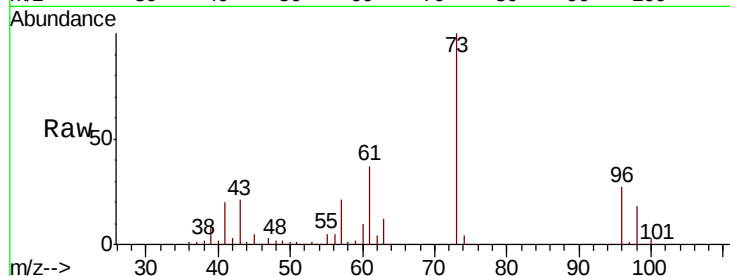
Tot Ion: 73 Resp: 284929

Ion Ratio Lower Upper

73 100

43 20.6 17.0 25.4

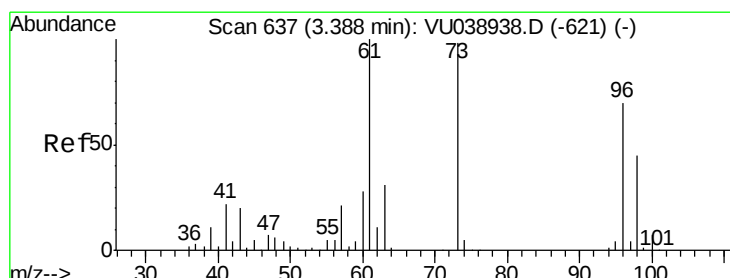
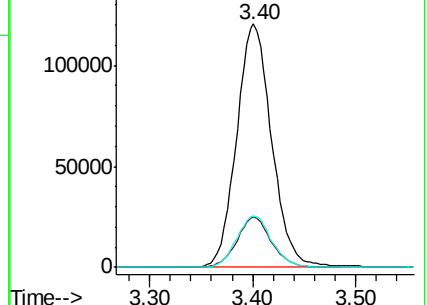
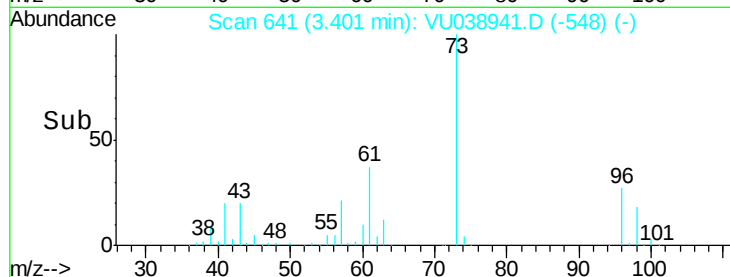
57 21.3 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VU038941.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038941.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038941.D (-548) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.021 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

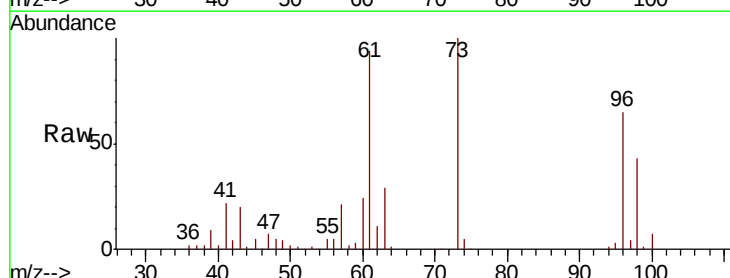
Tgt Ion: 96 Resp: 109447

Ion Ratio Lower Upper

96 100

61 144.1 100.3 186.3

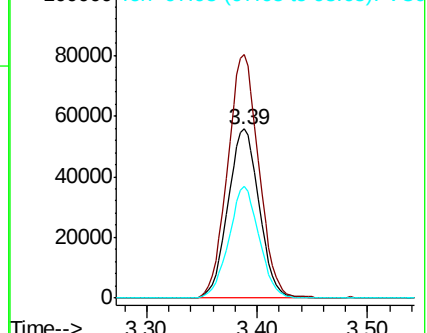
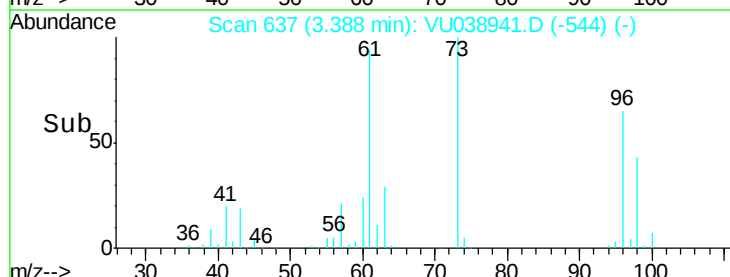
98 66.1 45.4 84.2

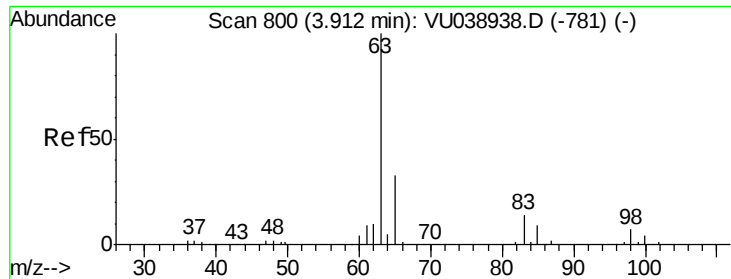


Abundance Ion 96.00 (95.70 to 96.70): VU038941.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038941.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038941.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 5.030 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV03

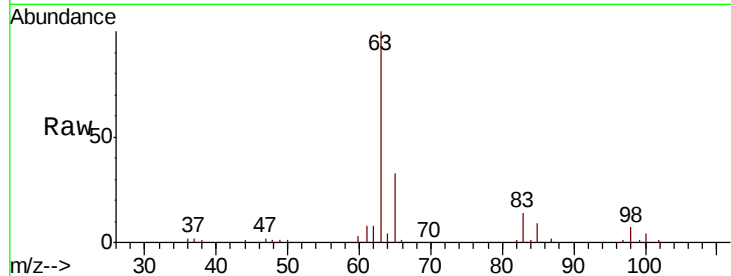
Tot Ion: 63 Resp: 199058

Ion Ratio Lower Upper

63 100

65 32.7 22.8 42.4

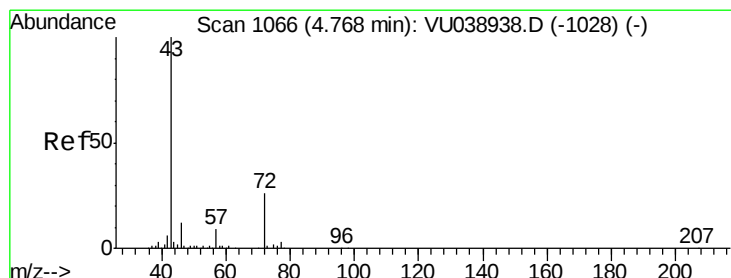
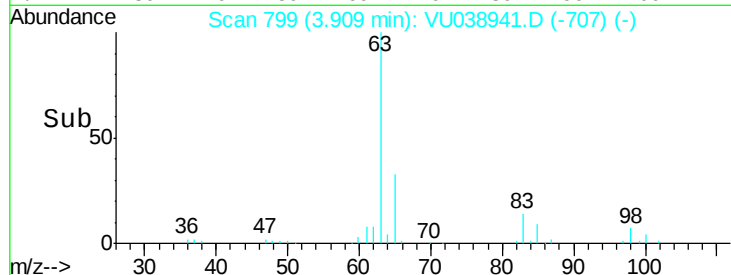
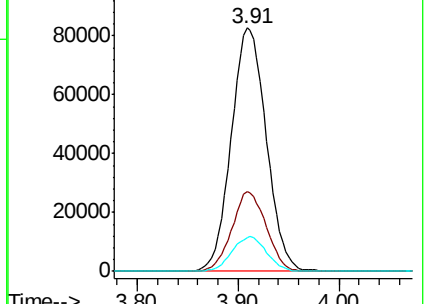
83 13.9 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU038941.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU038941.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU038941.D (-707) (-)



#21

2-Butanone

Concen: 50.951 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VU038941.D

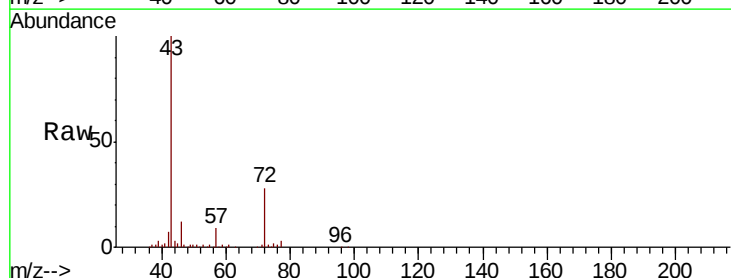
Acq: 17 Jun 2020 13:19

Tgt Ion: 43 Resp: 360475

Ion Ratio Lower Upper

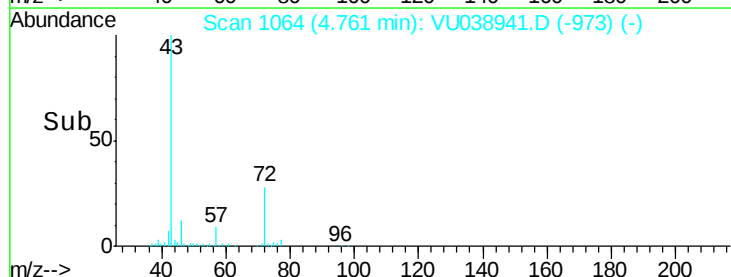
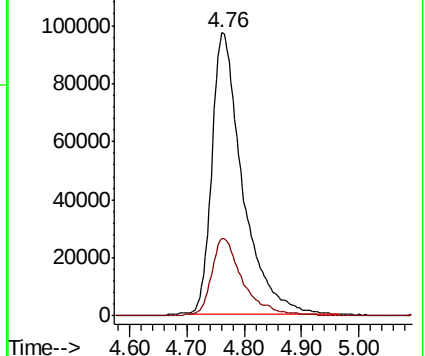
43 100

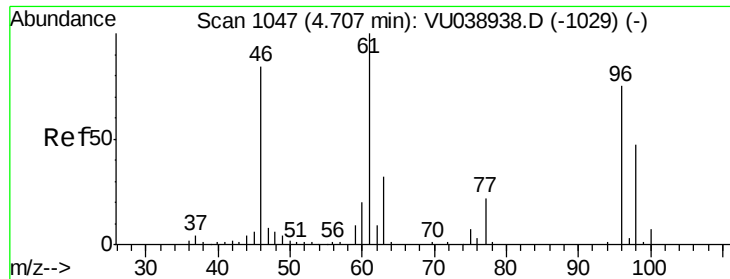
72 28.0 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU038941.D (-973) (-)

Ion 72.10 (71.80 to 72.80): VU038941.D (-973) (-)

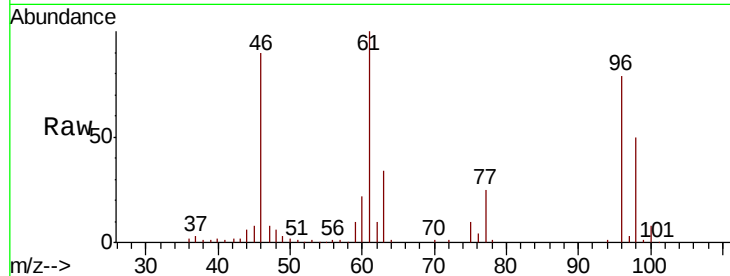




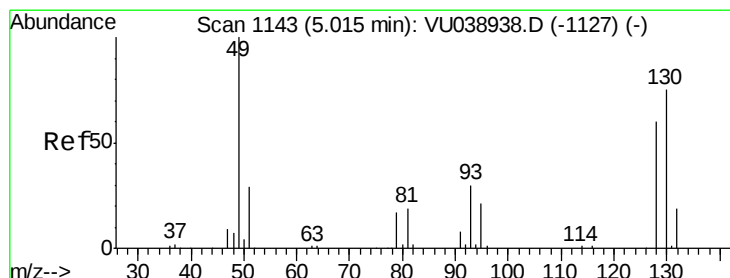
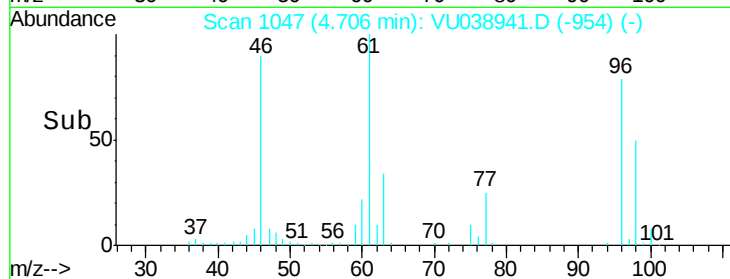
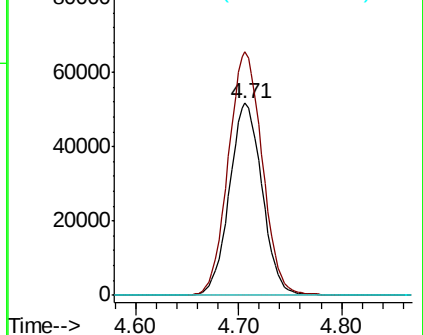
#22
 cis-1,2-Dichloroethene
 Concen: 5.119 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

Tot Ion: 96 Resp: 114604
 Ion Ratio Lower Upper
 96 100
 61 126.6 93.7 173.9
 68 0.0 0.0 0.0

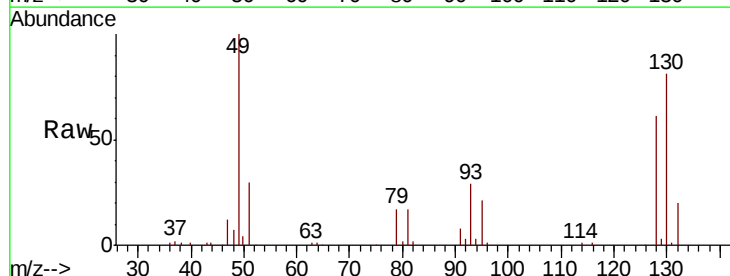


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

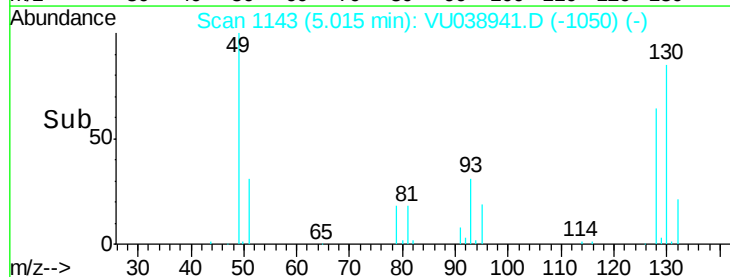
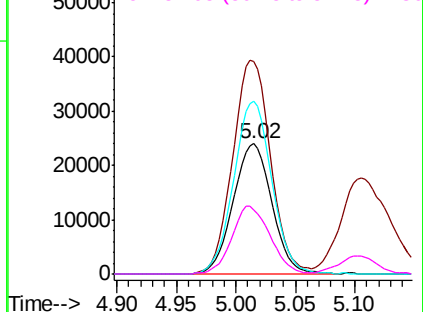


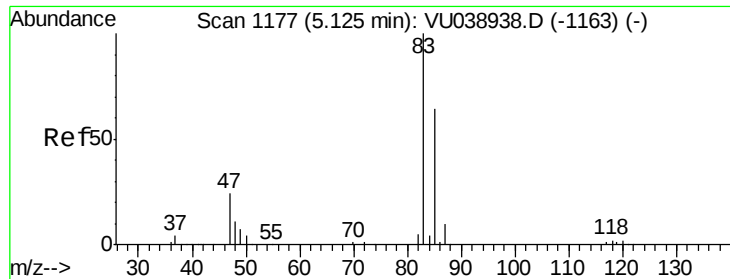
#23
 Bromochloromethane
 Concen: 5.108 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Tgt Ion: 128 Resp: 54165
 Ion Ratio Lower Upper
 128 100
 49 162.9 117.4 218.0
 130 132.4 87.8 163.2
 51 49.5 39.1 58.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

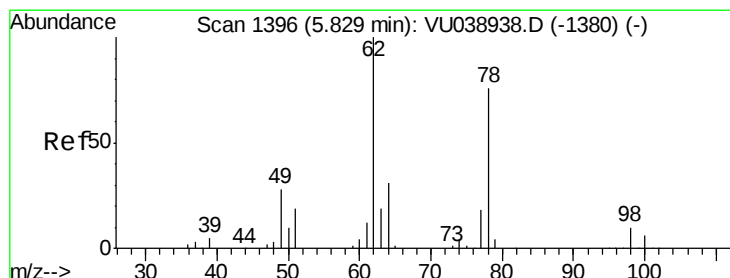
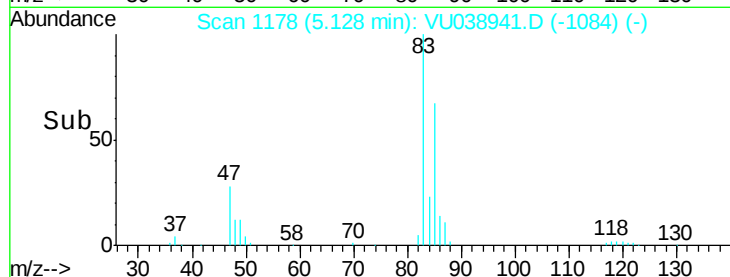
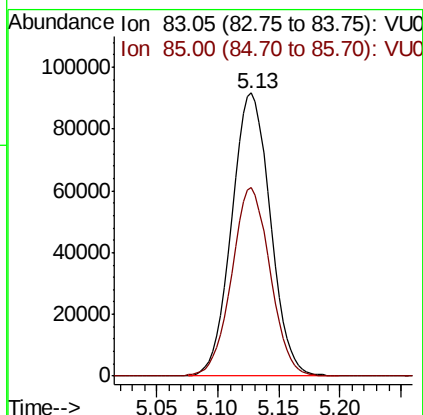
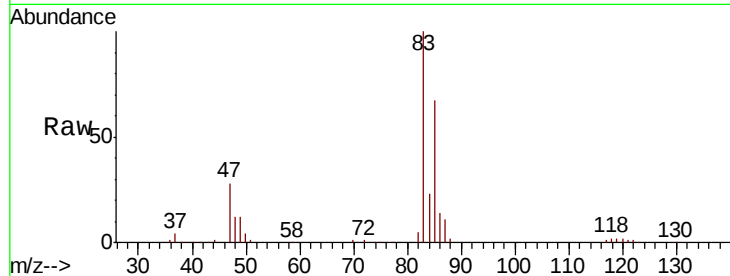




#25
Chloroform
Concen: 4.993 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

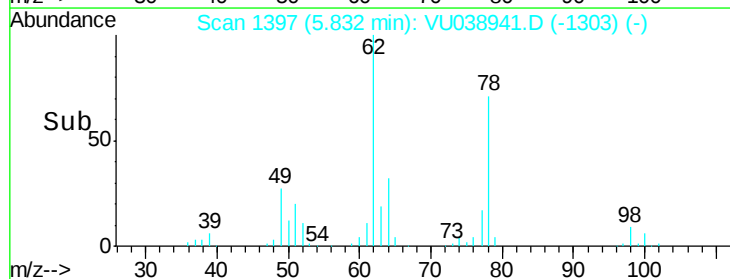
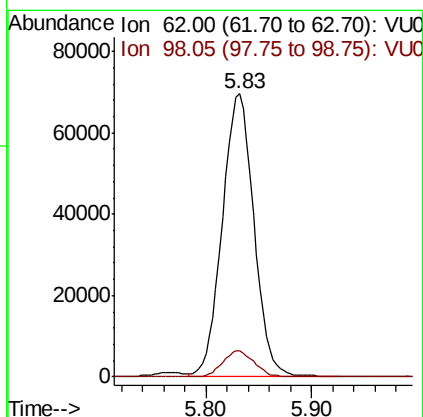
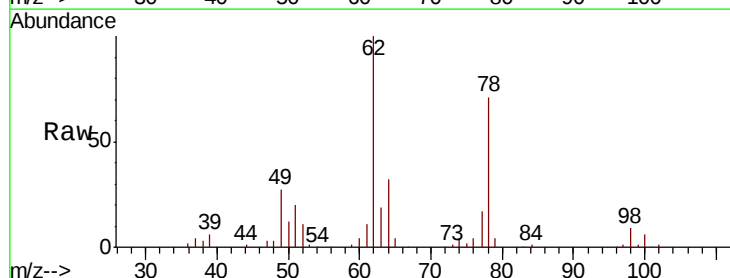
Instrument :
MSVOA_U
ClientSampleId :
VICV03

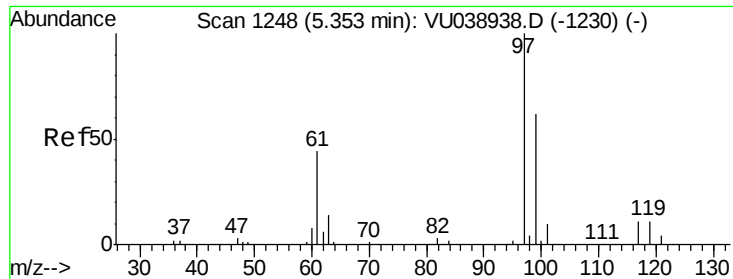
Tot Ion: 83 Resp: 201266
Ion Ratio Lower Upper
83 100
85 66.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.920 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Tgt Ion: 62 Resp: 144349
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4

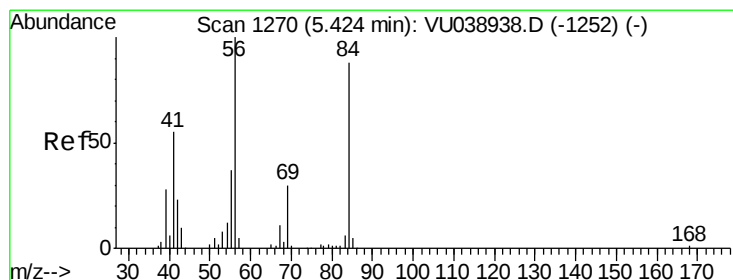
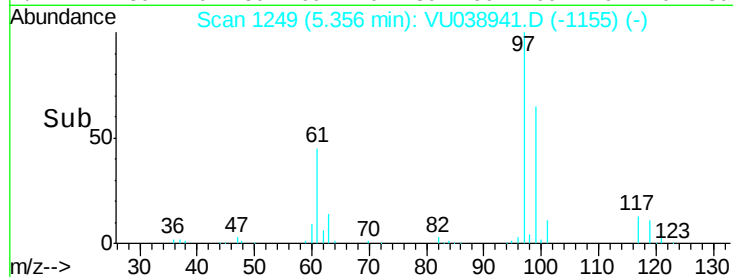
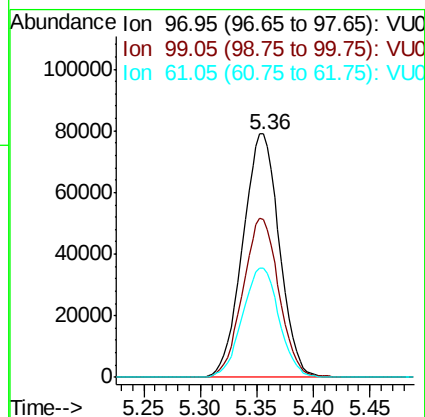
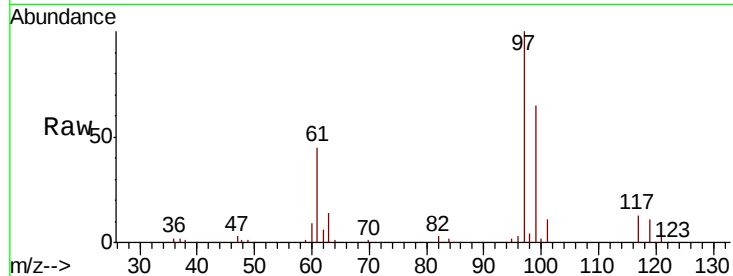




#29
 1,1,1-Trichloroethane
 Concen: 4.993 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

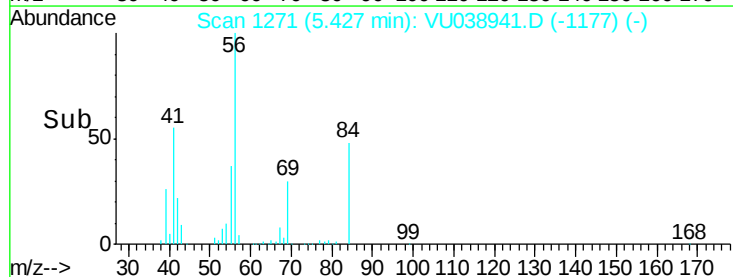
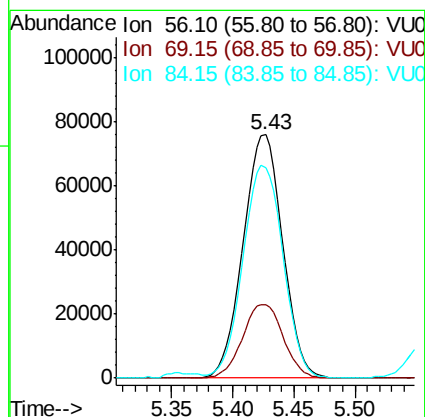
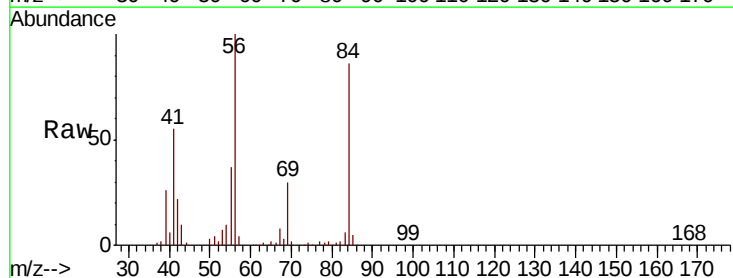
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

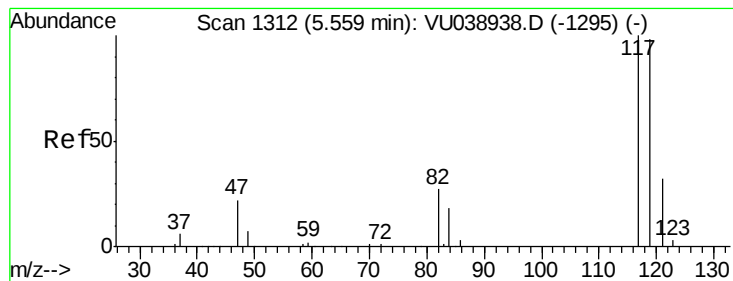
Tot Ion: 97 Resp: 177646
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.8 76.2
 61 45.4 35.6 53.4



#30
 Cyclohexane
 Concen: 5.028 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Tgt Ion: 56 Resp: 169717
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.0 37.4
 84 89.2 72.0 108.0





#31

Carbon tetrachloride

Concen: 4.828 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

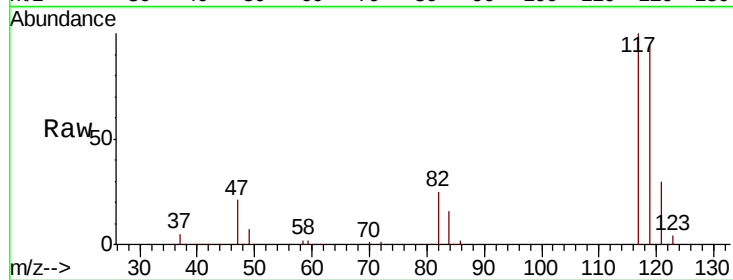
VICV03

Tot Ion:117 Resp: 151415

Ion Ratio Lower Upper

117 100

119 95.6 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

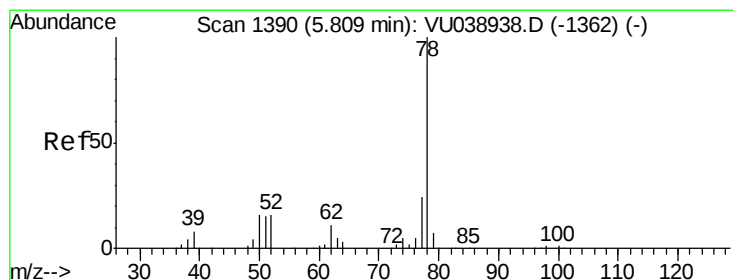
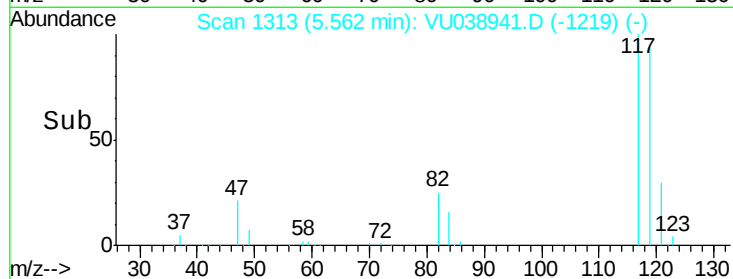
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.136 ug/L

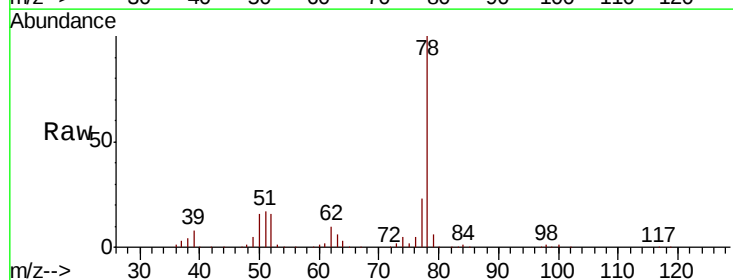
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Tgt Ion: 78 Resp: 440020



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

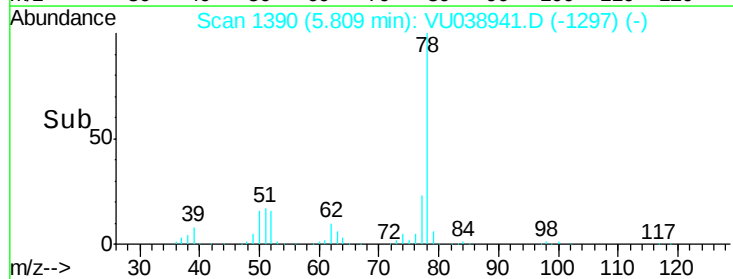
100000

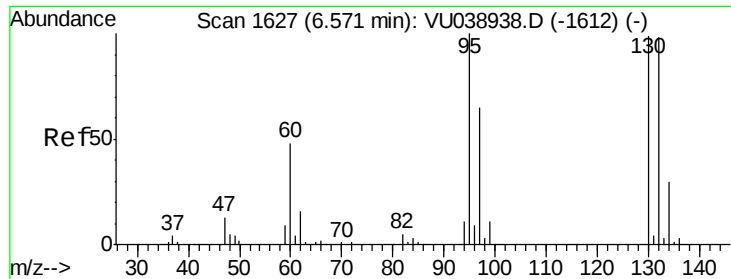
50000

0

Time-->

5.70 5.80 5.90

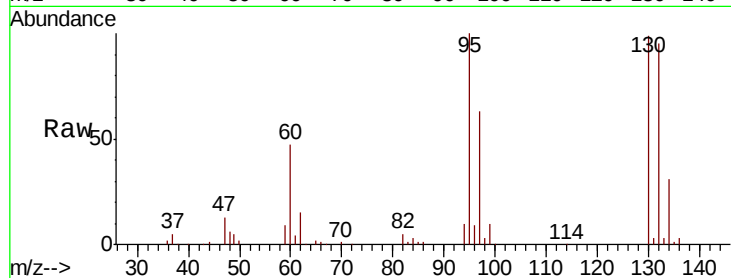




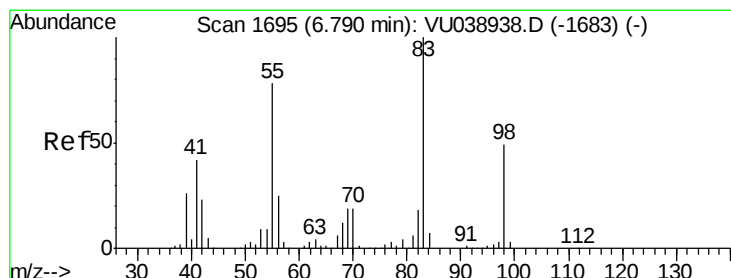
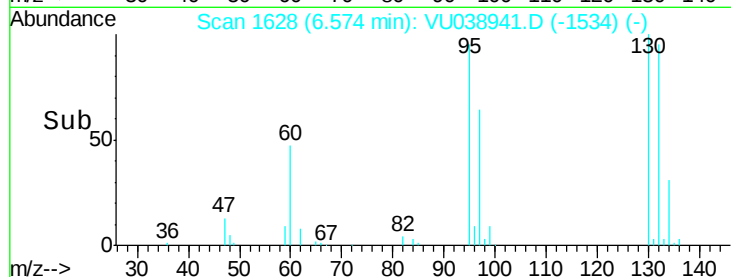
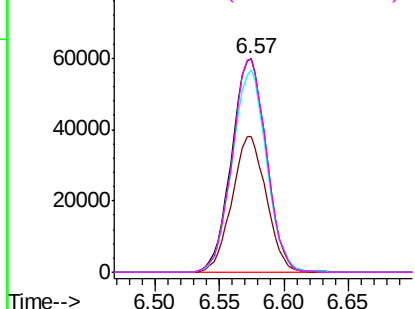
#34
 Trichloroethene
 Concen: 5.166 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion: 95 Resp: 112272
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.4 84.4
 132 94.6 68.4 127.0
 130 99.4 69.6 129.2

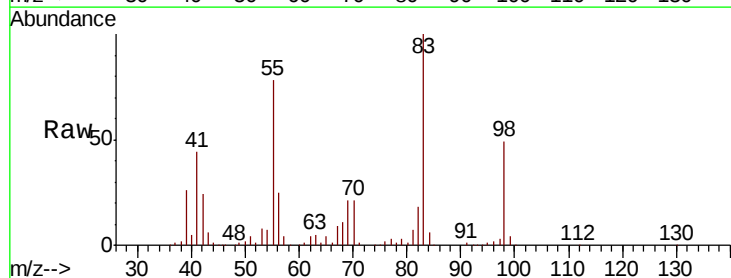


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

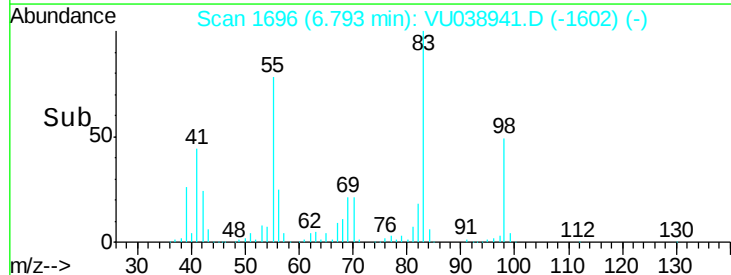
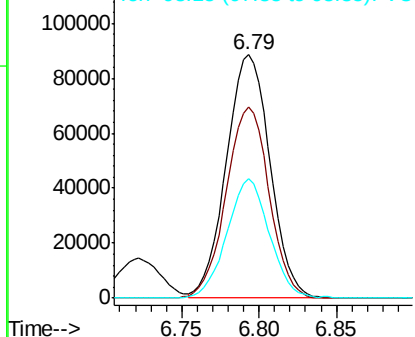


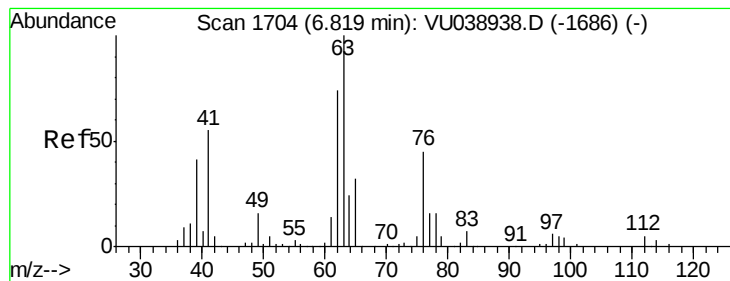
#35
 Methylcyclohexane
 Concen: 5.039 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Tgt Ion: 83 Resp: 173622
 Ion Ratio Lower Upper
 83 100
 55 77.3 61.8 92.8
 98 47.1 39.3 58.9



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





#37

1,2-Dichloropropane

Concen: 5.034 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

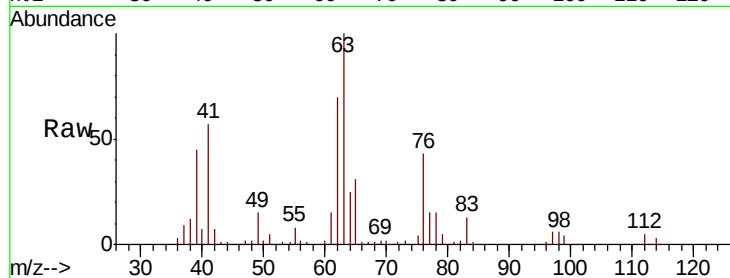
VICV03

Tot Ion: 63 Resp: 112614

Ion Ratio Lower Upper

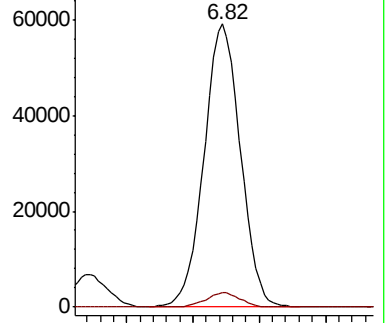
63 100

112 4.8 3.9 5.9

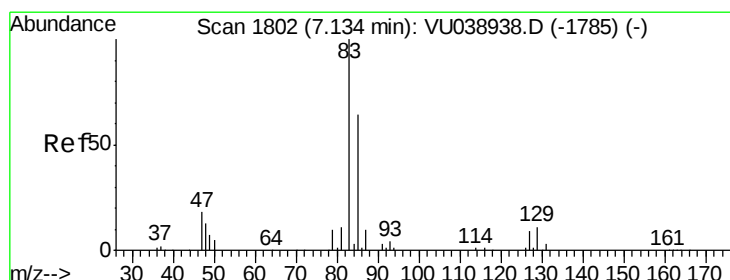
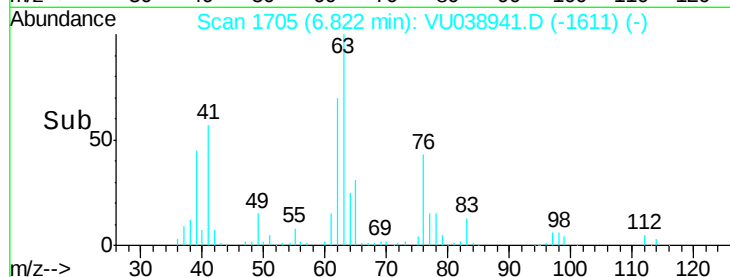


Abundance Ion 63.10 (62.80 to 63.80): VU038941.D (-1611) (-)

Ion 112.10 (111.80 to 112.80): VU038941.D (-1611) (-)



Time-->



#38

Bromodichloromethane

Concen: 5.025 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

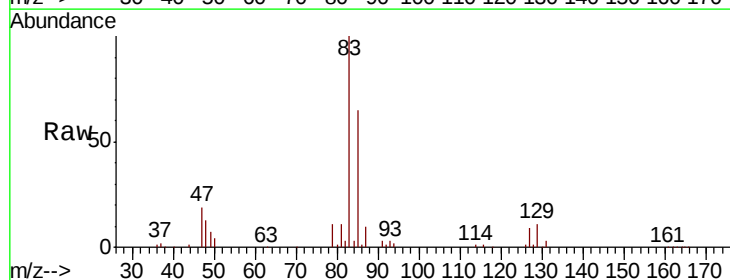
Tgt Ion: 83 Resp: 146175

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

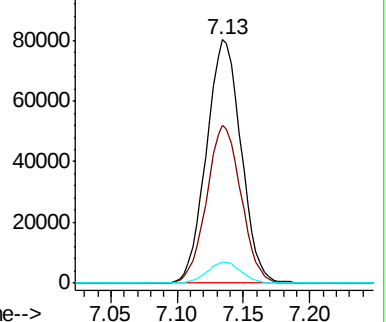
127 8.7 7.0 10.4



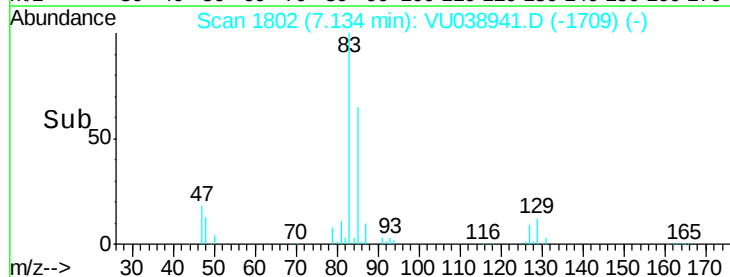
Abundance Ion 82.95 (82.65 to 83.65): VU038941.D (-1709) (-)

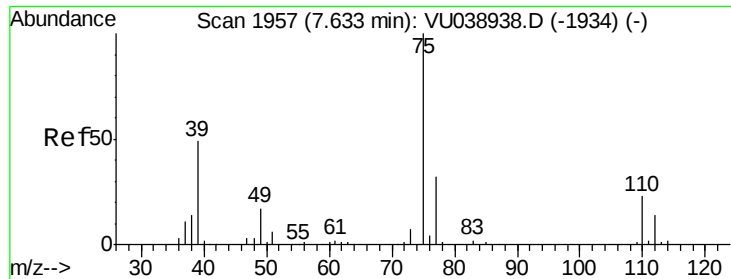
Ion 85.00 (84.70 to 85.70): VU038941.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038941.D (-1709) (-)



Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.207 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

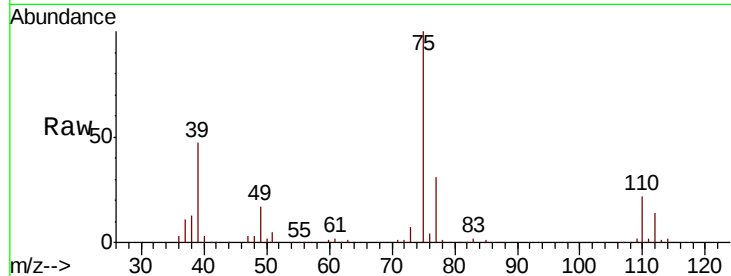
VICV03

Tot Ion: 75 Resp: 171148

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038938.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038938.D (-1934) (-)

7.64

100000

80000

60000

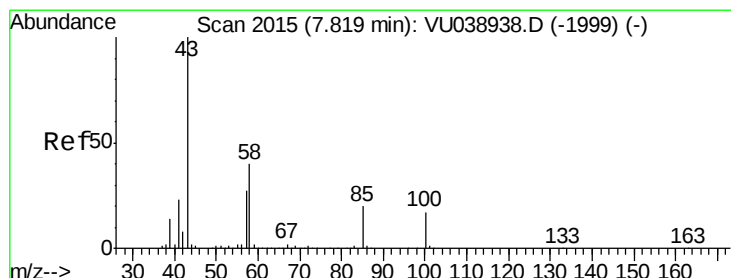
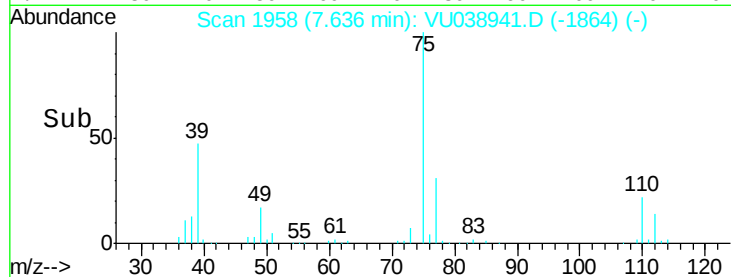
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 54.328 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

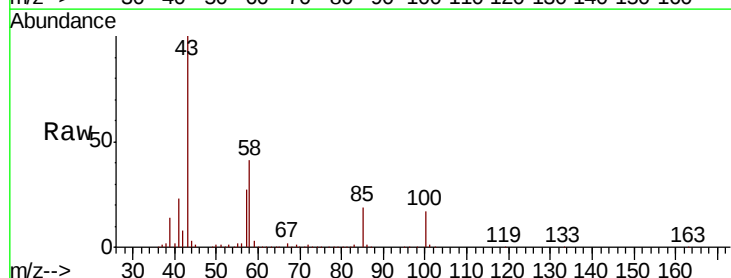
Tgt Ion: 43 Resp: 837455

Ion Ratio Lower Upper

43 100

58 40.8 32.6 49.0

100 17.3 13.4 20.2



Abundance Ion 43.05 (42.75 to 43.75): VU038938.D (-1999) (-)

Ion 58.05 (57.75 to 58.75): VU038938.D (-1999) (-)

Ion 100.15 (99.85 to 100.85): VU038938.D (-1999) (-)

7.82

600000

500000

400000

300000

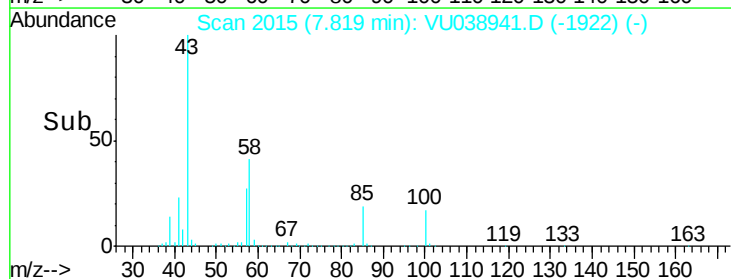
200000

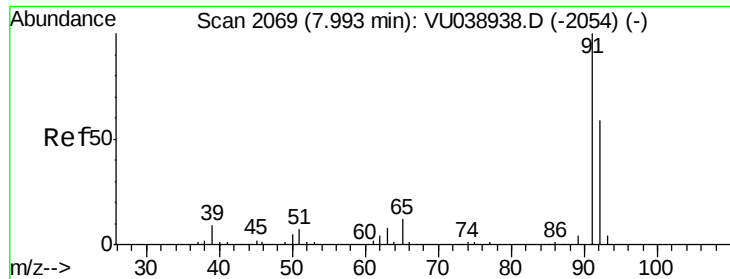
100000

0

7.70 7.80 7.90

Time-->





#42

Toluene

Concen: 5.175 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

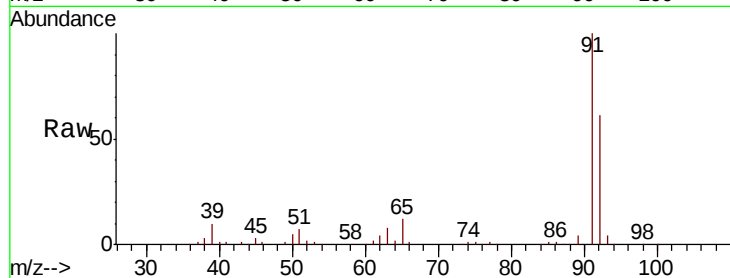
VICV03

Tot Ion: 91 Resp: 459154

Ion Ratio Lower Upper

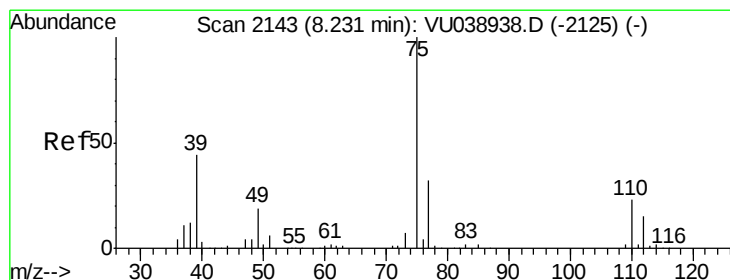
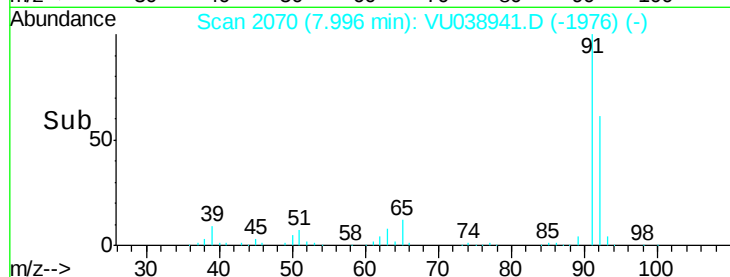
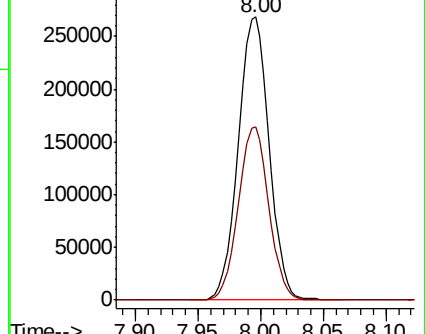
91 100

92 61.4 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038941.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038941.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.259 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038941.D

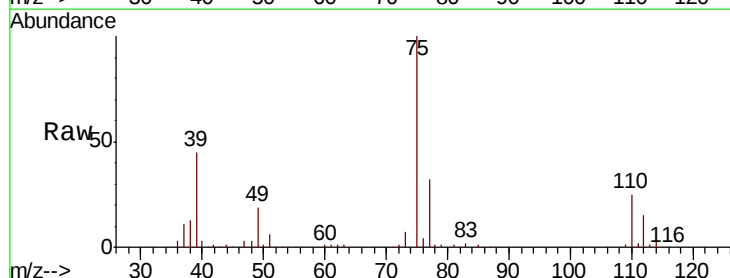
Acq: 17 Jun 2020 13:19

Tgt Ion: 75 Resp: 158904

Ion Ratio Lower Upper

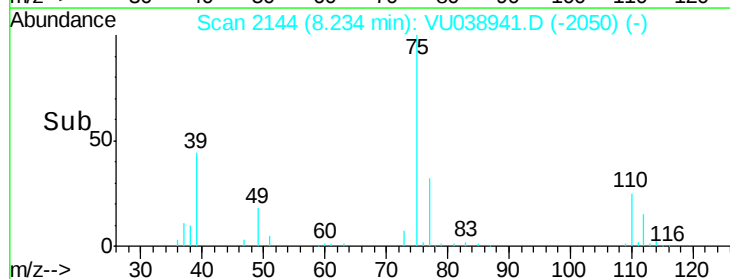
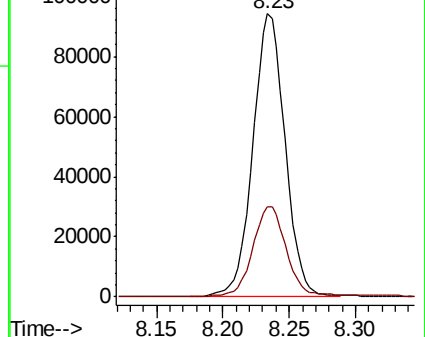
75 100

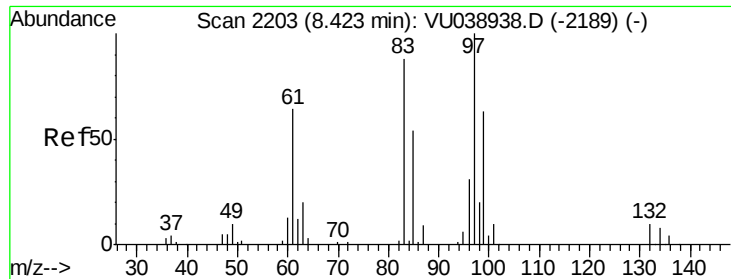
77 31.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038941.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038941.D (-2050) (-)

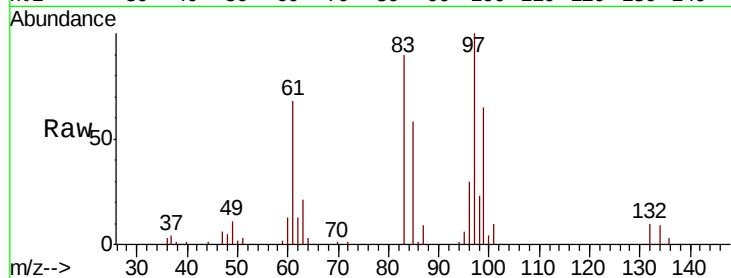




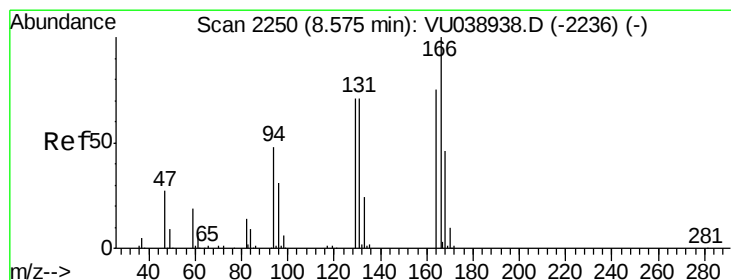
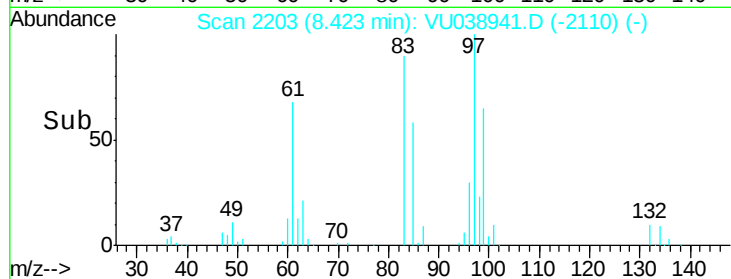
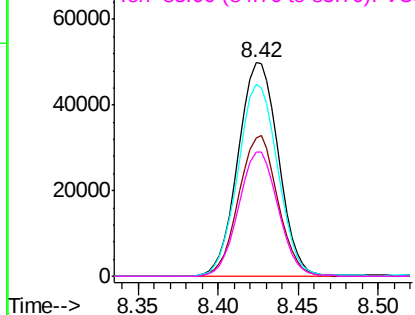
#45
1,1,2-Trichloroethane
Concen: 5.189 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion:	97	Resp:	86163
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.1	81.9
83	89.9	61.2	113.8
85	58.0	37.7	70.1

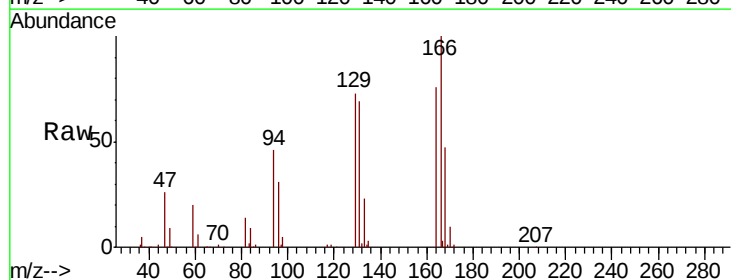


Abundance Ion 96.95 (96.65 to 97.65): VU038941.D (-2110) (-)
Ion 99.05 (98.75 to 99.75): VU038941.D (-2110) (-)
Ion 82.95 (82.65 to 83.65): VU038941.D (-2110) (-)
Ion 85.00 (84.70 to 85.70): VU038941.D (-2110) (-)

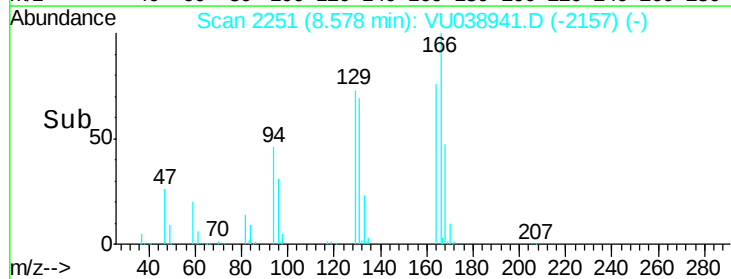
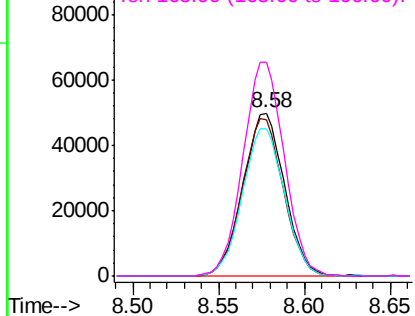


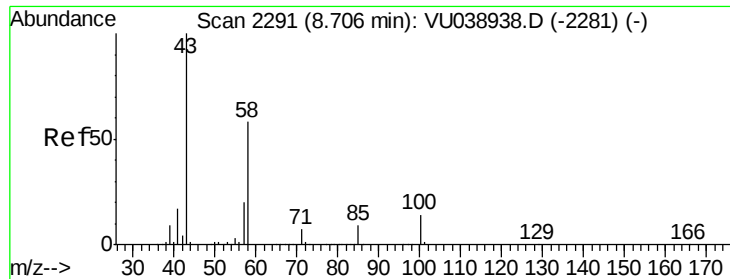
#47
Tetrachloroethene
Concen: 4.951 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Tgt Ion:	164	Resp:	83380
Ion	Ratio	Lower	Upper
164	100		
129	95.8	66.1	122.8
131	90.2	65.7	122.1
166	131.0	93.0	172.8



Abundance Ion 163.90 (163.60 to 164.60): VU038941.D (-2157) (-)
Ion 128.95 (128.65 to 129.65): VU038941.D (-2157) (-)
Ion 130.95 (130.65 to 131.65): VU038941.D (-2157) (-)
Ion 165.90 (165.60 to 166.60): VU038941.D (-2157) (-)

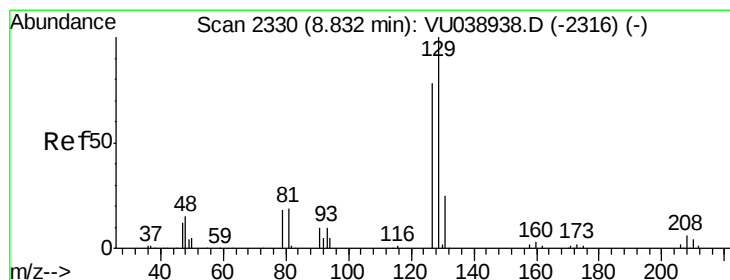
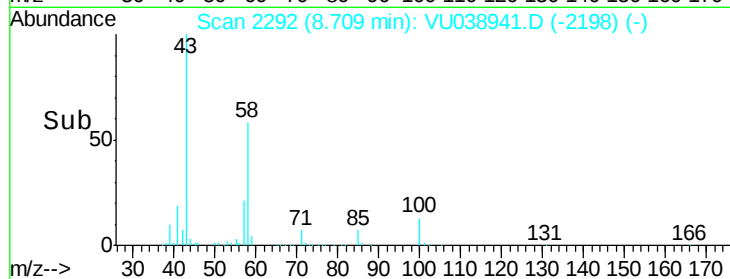
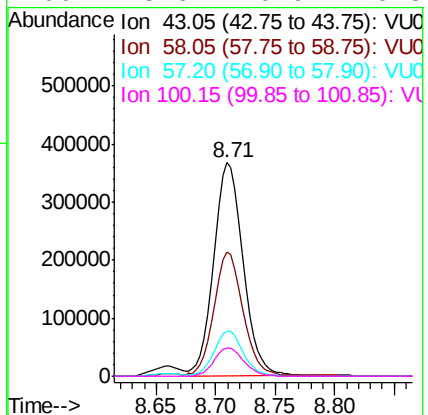
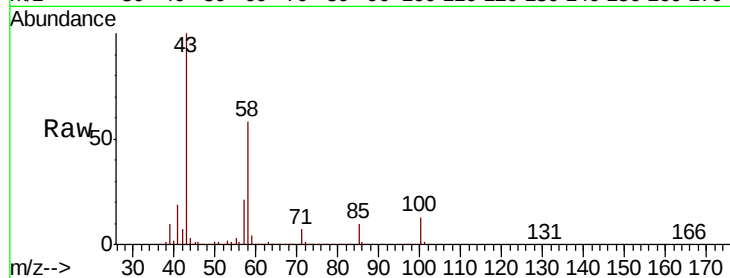




#48
2-Hexanone
Concen: 53.942 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

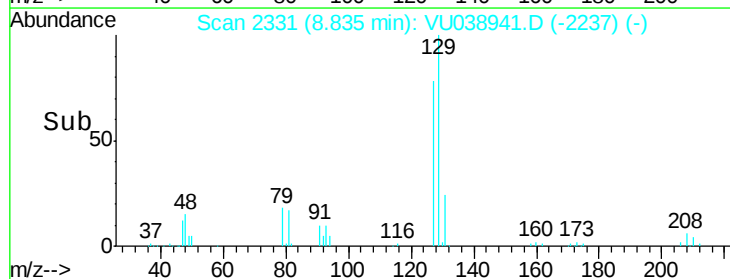
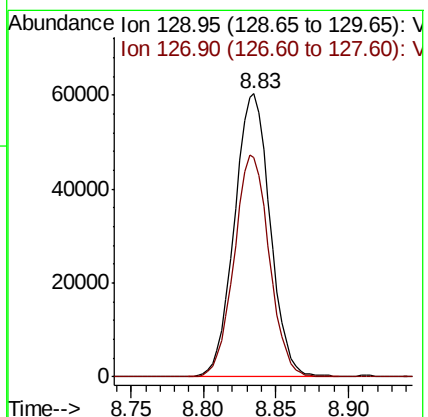
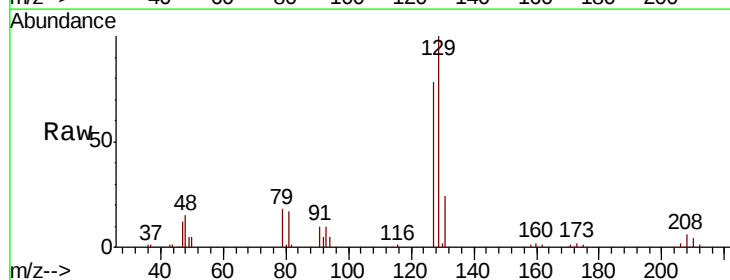
Instrument :
MSVOA_U
ClientSampleId :
VICV03

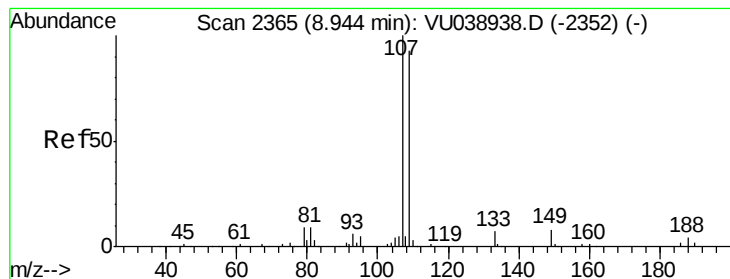
Tot Ion: 43 Resp: 629914
Ion Ratio Lower Upper
43 100
58 57.5 45.2 67.8
57 20.9 16.1 24.1
100 13.6 10.9 16.3



#49
Dibromochloromethane
Concen: 5.198 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Tgt Ion:129 Resp: 103393
Ion Ratio Lower Upper
129 100
127 77.7 54.9 101.9





#50

1,2-Dibromoethane

Concen: 5.203 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV03

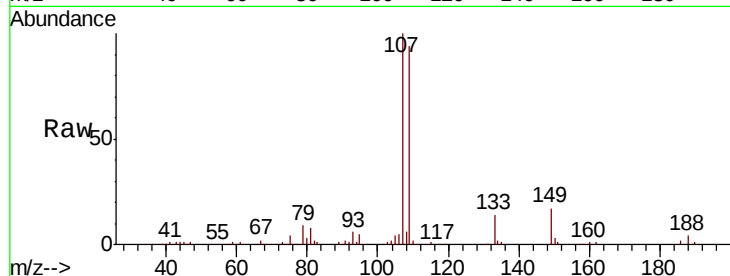
Tot Ion:107 Resp: 86392

Ion Ratio Lower Upper

107 100

109 93.9 64.8 120.4

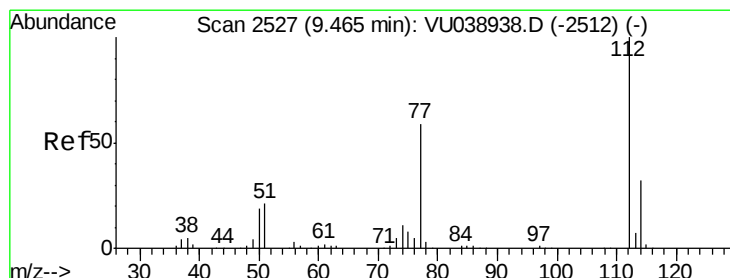
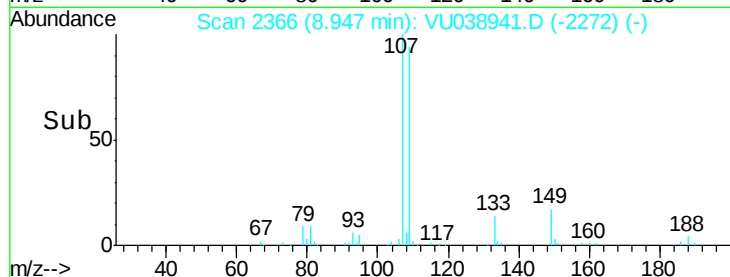
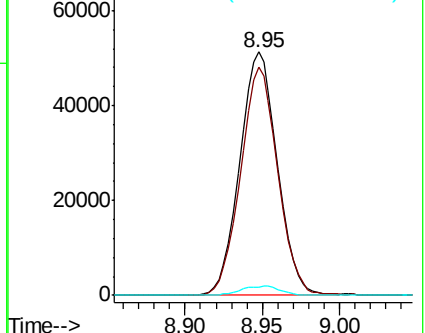
188 3.5 3.0 4.6



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: 5.054 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

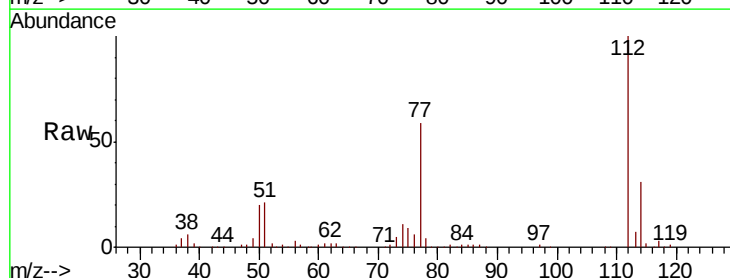
Tgt Ion:112 Resp: 291512

Ion Ratio Lower Upper

112 100

114 30.9 22.5 41.7

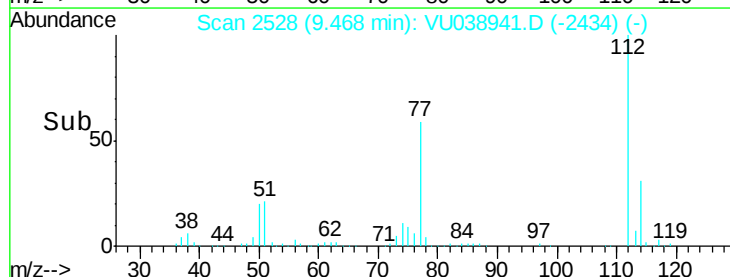
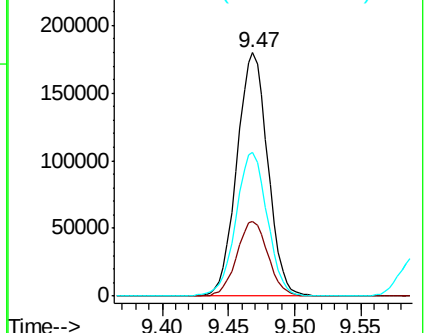
77 59.2 47.2 70.8

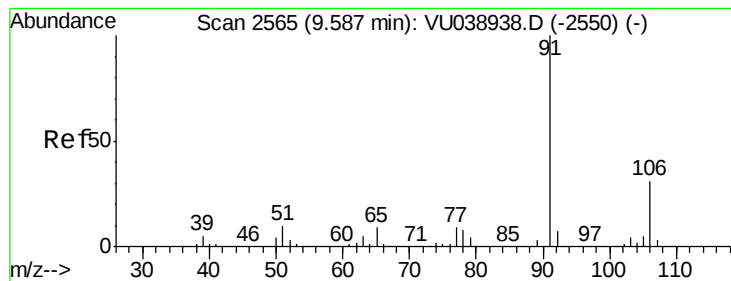


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.154 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

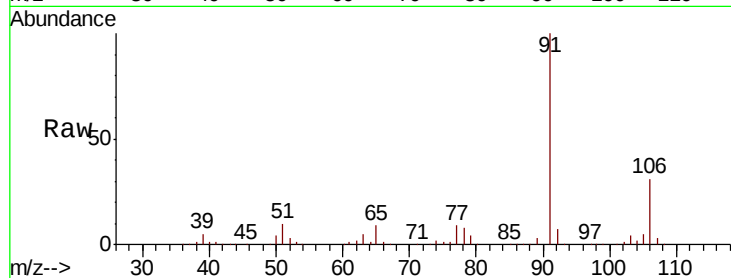
VICV03

Tot Ion: 91 Resp: 494735

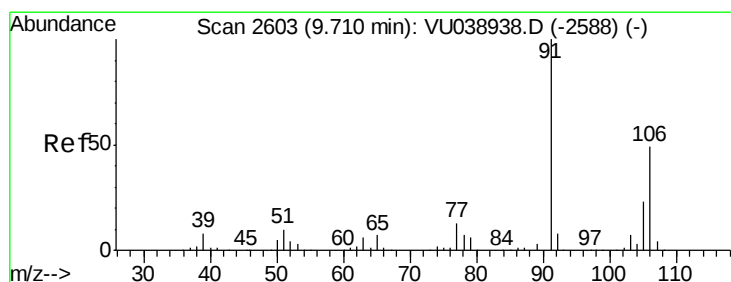
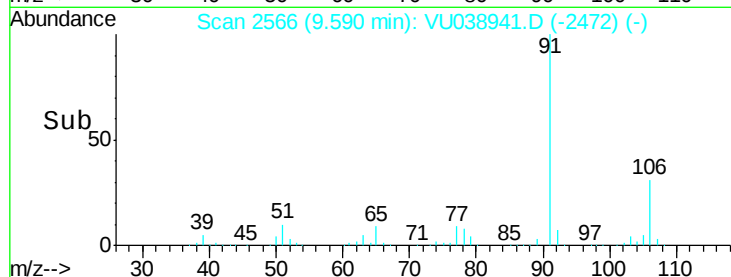
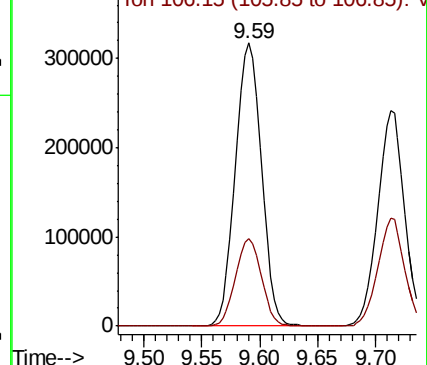
Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038941.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.256 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038941.D

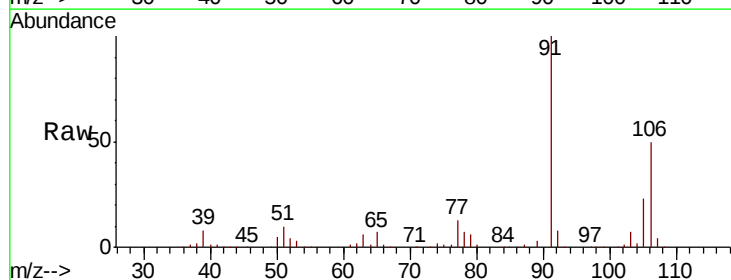
Acq: 17 Jun 2020 13:19

Tgt Ion: 106 Resp: 194644

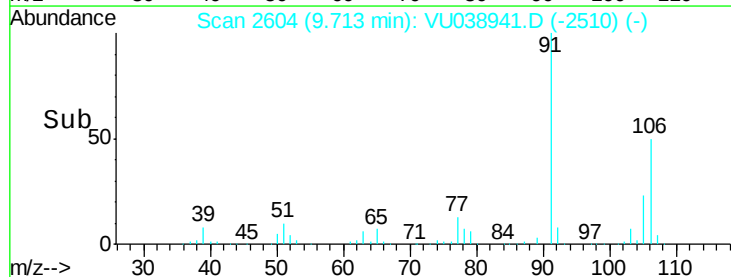
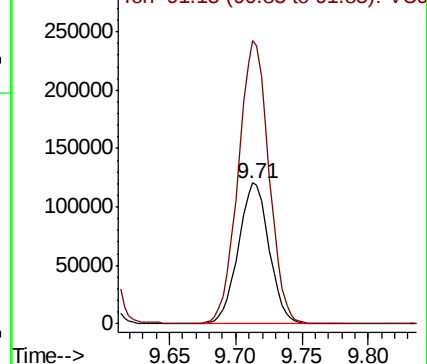
Ion Ratio Lower Upper

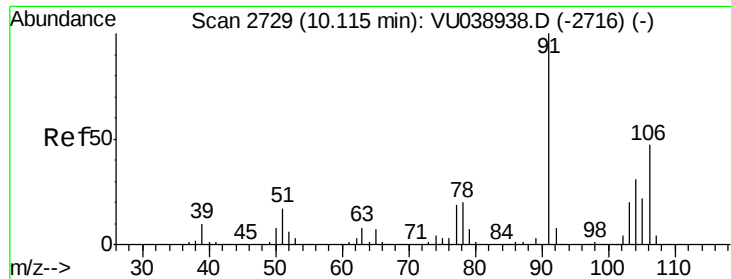
106 100

91 200.9 143.0 265.6



Abundance Ion 106.15 (105.85 to 106.85): VU038941.D (-2588) (-)

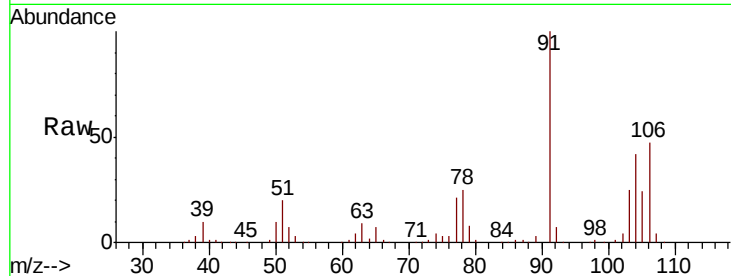




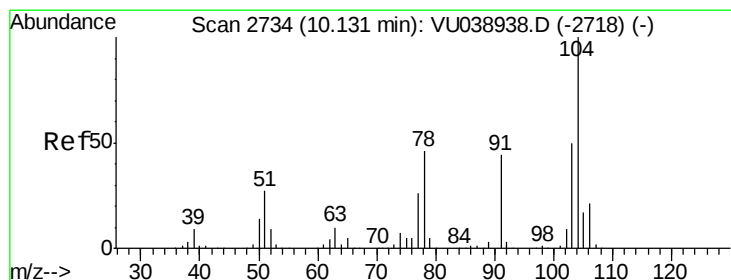
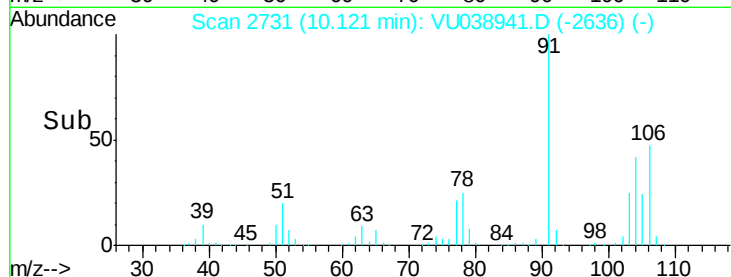
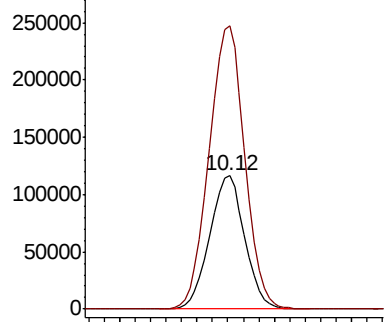
#54
o-Xylene
Concen: 5.161 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.01 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion:106 Resp: 183106
Ion Ratio Lower Upper
106 100
91 212.2 148.4 275.6

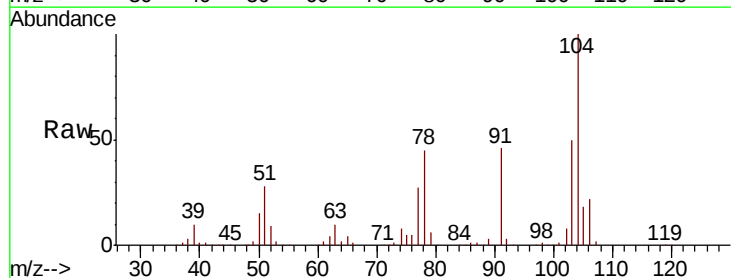


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

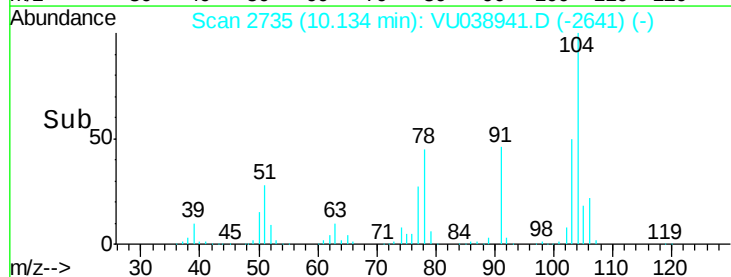
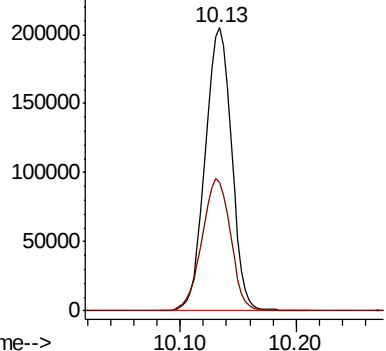


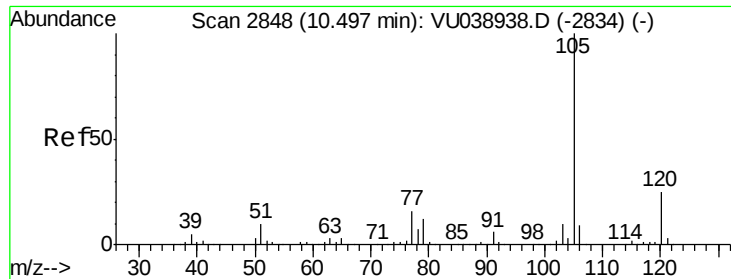
#55
Styrene
Concen: 5.293 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038941.D
Acq: 17 Jun 2020 13:19

Tgt Ion:104 Resp: 323643
Ion Ratio Lower Upper
104 100
78 45.4 32.0 59.4



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





#56

Isopropylbenzene

Concen: 5.143 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampled :

VICV03

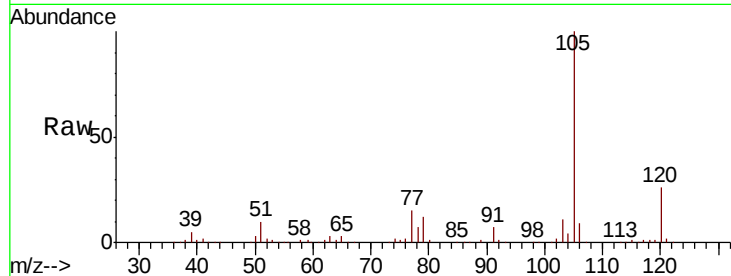
Tot Ion:105 Resp: 485652

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

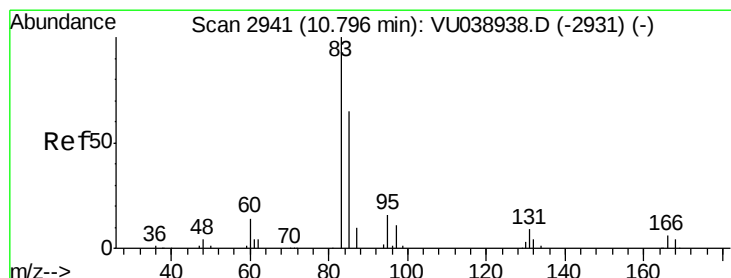
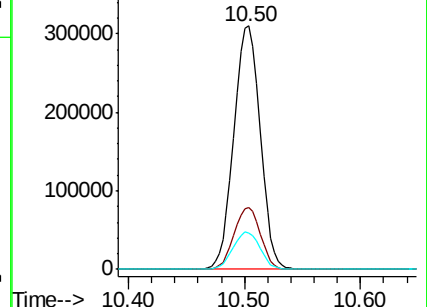
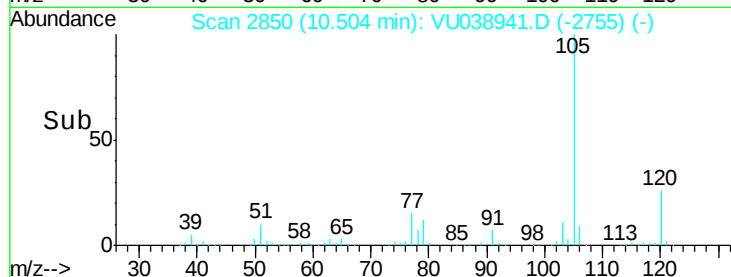
77 15.5 13.0 19.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.997 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

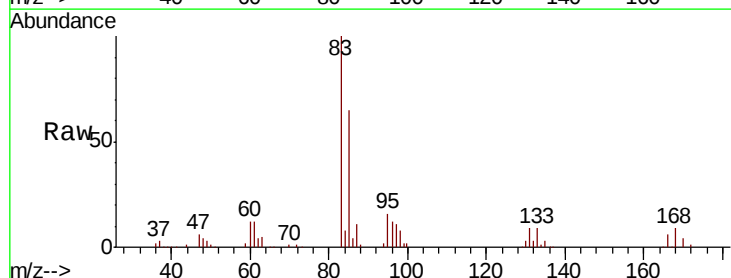
Tgt Ion: 83 Resp: 114551

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.4

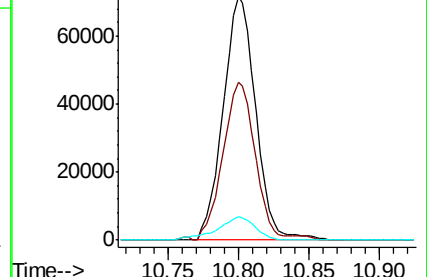
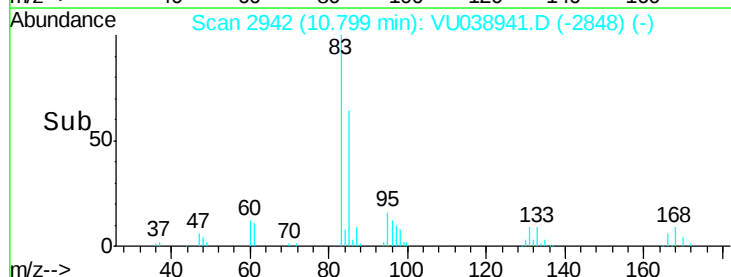
131 9.5 8.2 12.4

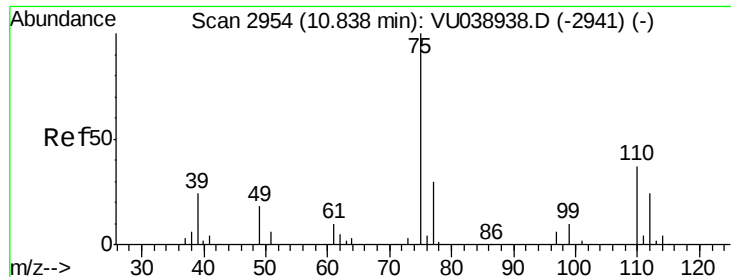


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.980 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

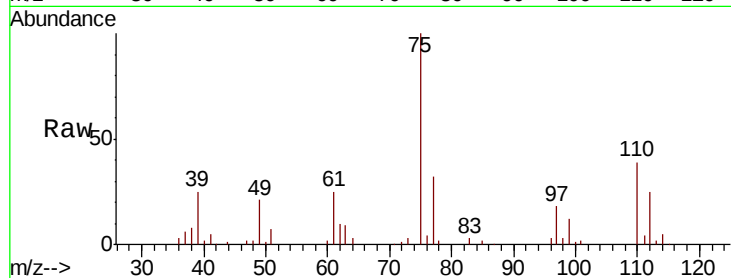
VICV03

Tot Ion: 75 Resp: 85921

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038941.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU038941.D (-2332) (-)

10.84

60000

50000

40000

30000

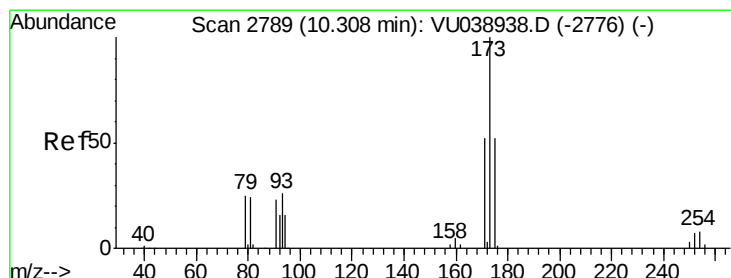
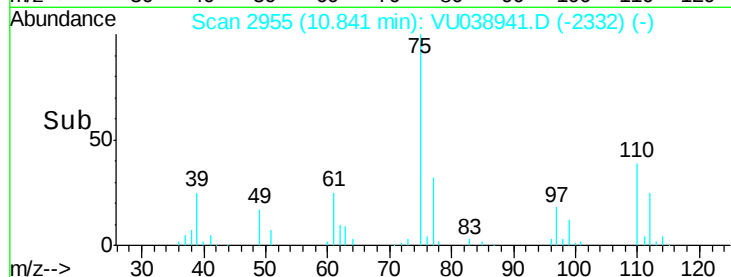
20000

10000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 4.927 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

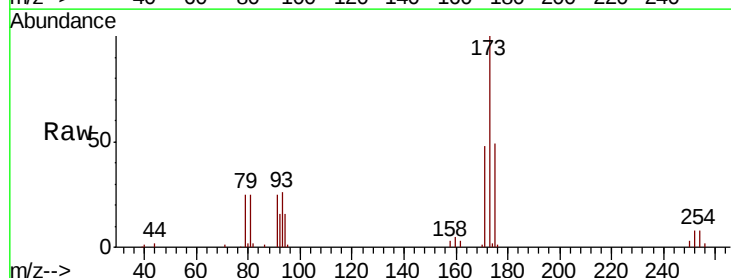
Tgt Ion: 173 Resp: 59453

Ion Ratio Lower Upper

173 100

175 47.6 39.2 58.8

254 6.9 6.1 9.1



Abundance Ion 172.90 (172.60 to 173.60): VU038941.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU038941.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU038941.D (-2696) (-)

10.31

40000

30000

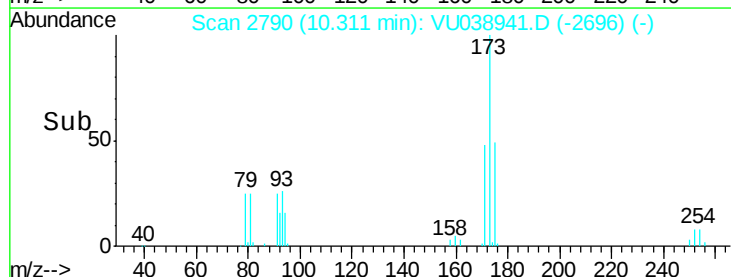
20000

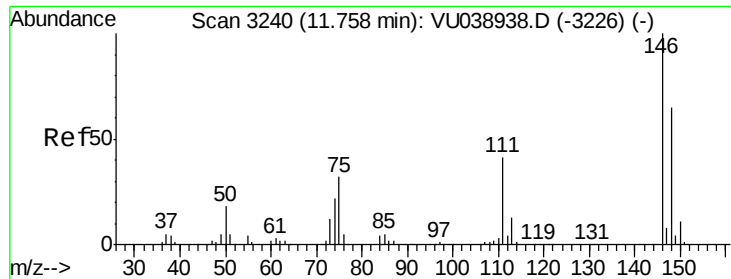
10000

0

Time-->

10.25 10.30 10.35

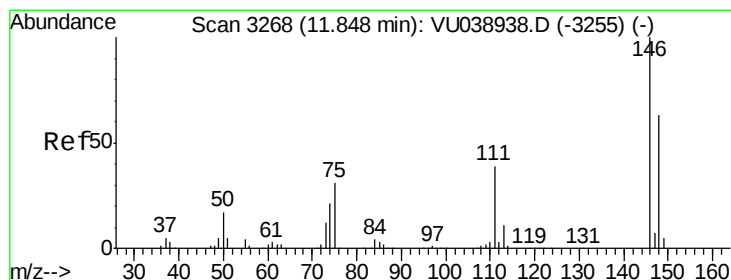
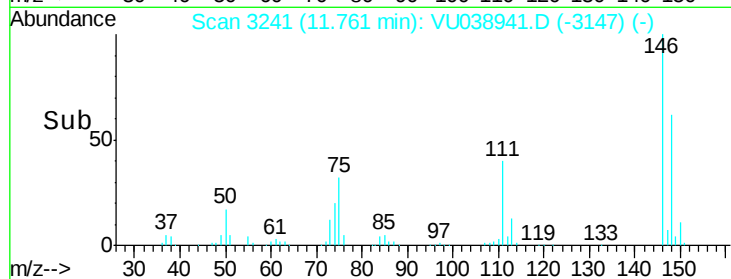
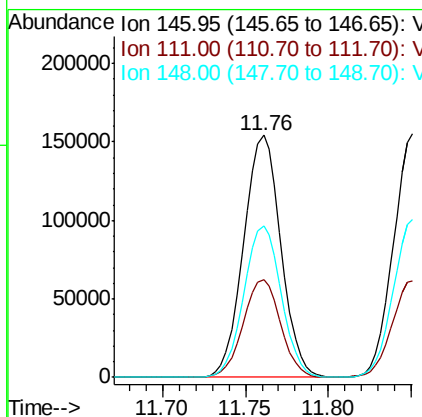
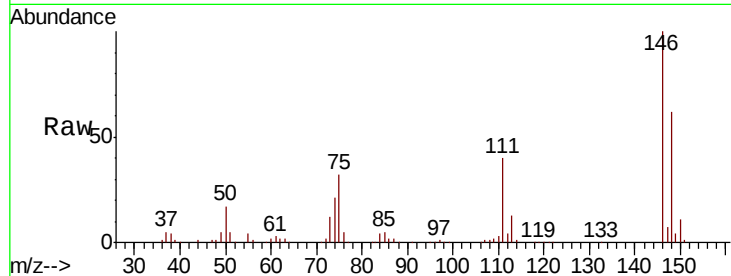




#62
 1,3-Dichlorobenzene
 Concen: 5.183 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

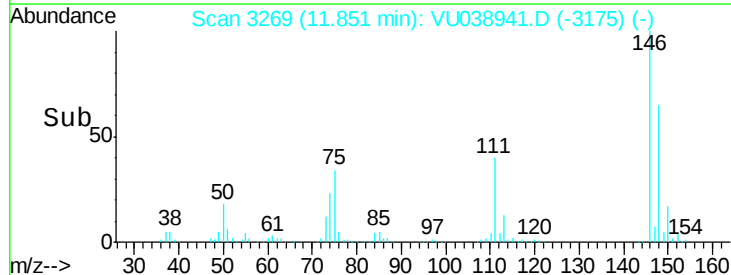
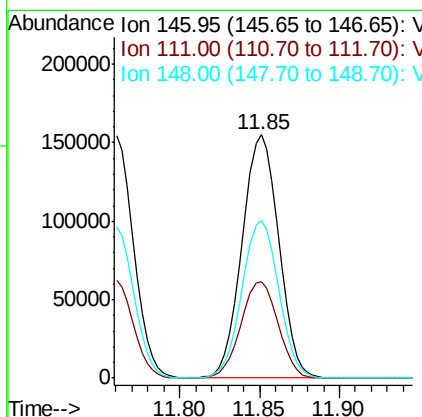
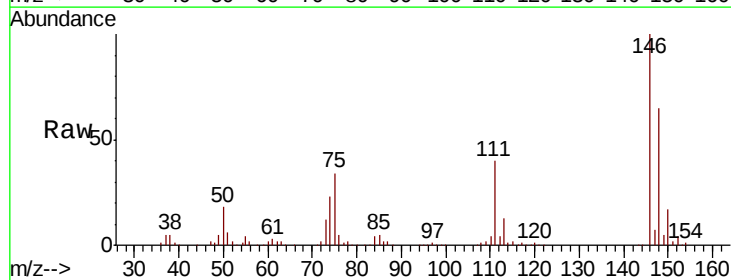
Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

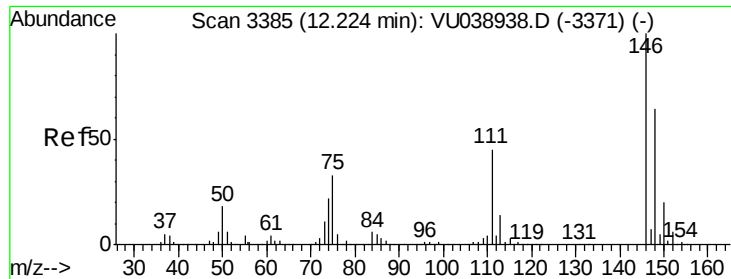
Tot Ion:146 Resp: 240370
 Ion Ratio Lower Upper
 146 100
 111 40.5 29.0 53.8
 148 62.4 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.060 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Tgt Ion:146 Resp: 241523
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.2 50.6
 148 64.7 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.031 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampled :

VICV03

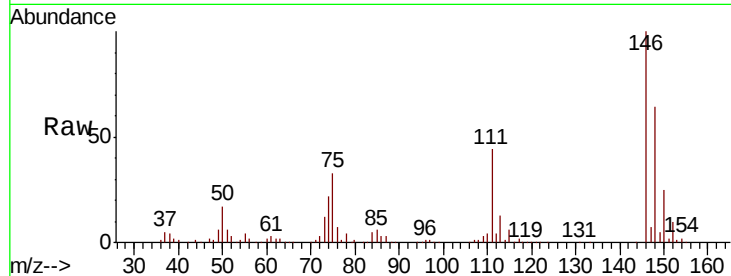
Tot Ion:146 Resp: 230301

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

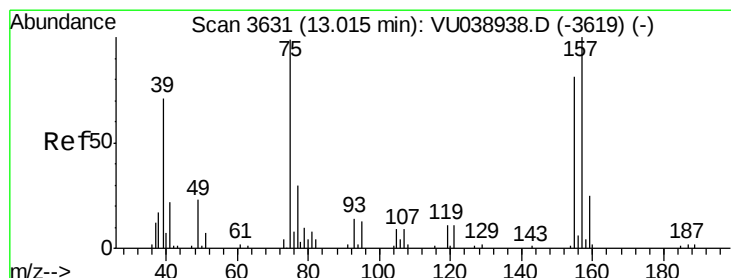
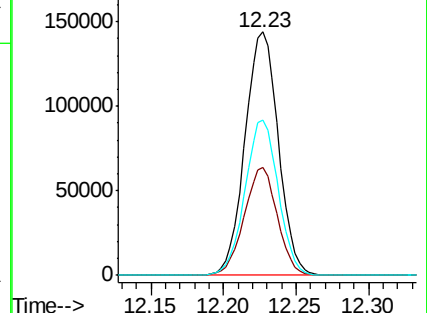
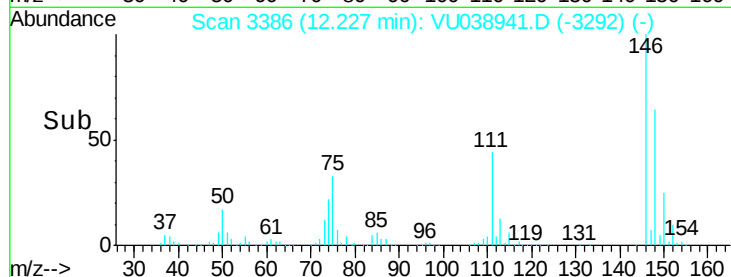
148 63.7 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.641 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

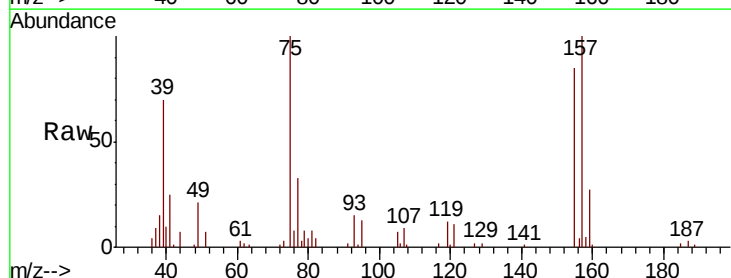
Tgt Ion: 75 Resp: 21418

Ion Ratio Lower Upper

75 100

155 85.6 65.4 98.2

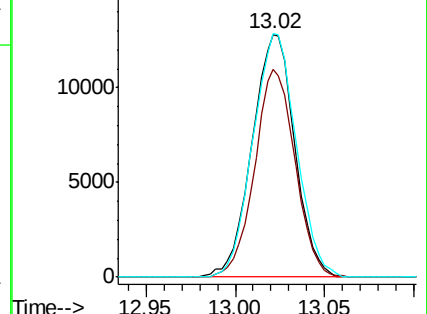
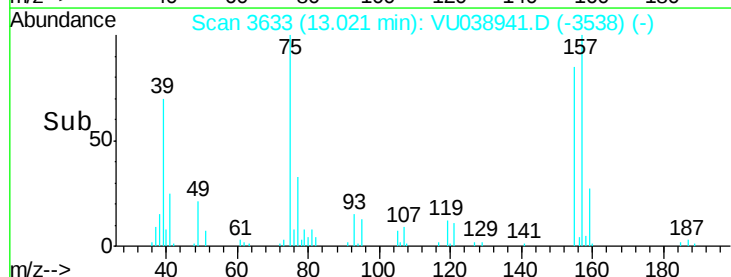
157 100.2 80.6 120.8

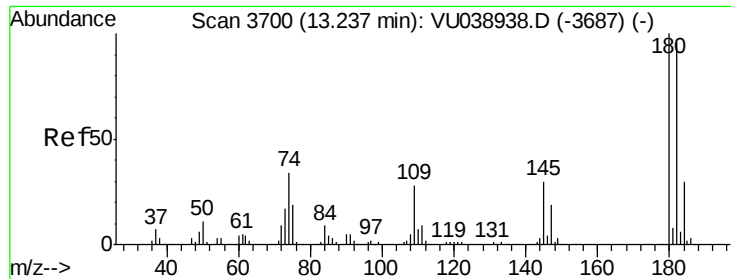


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

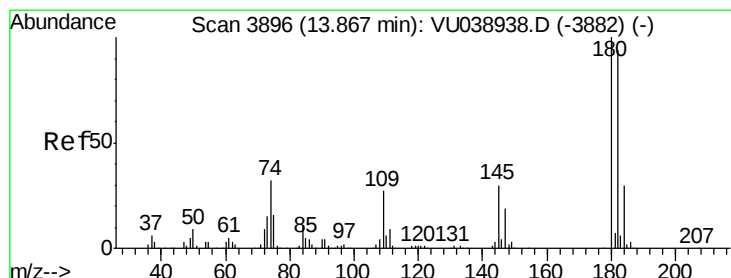
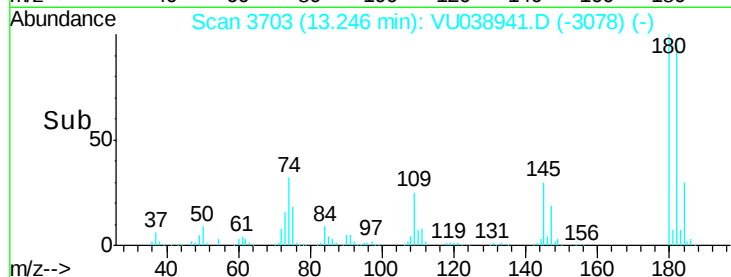
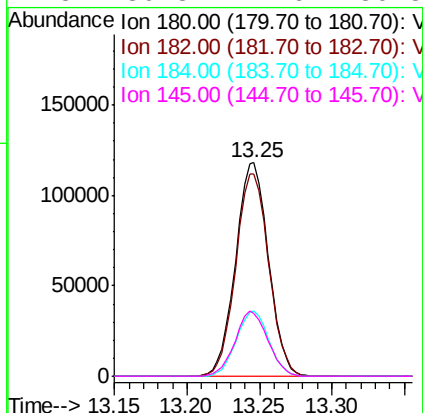
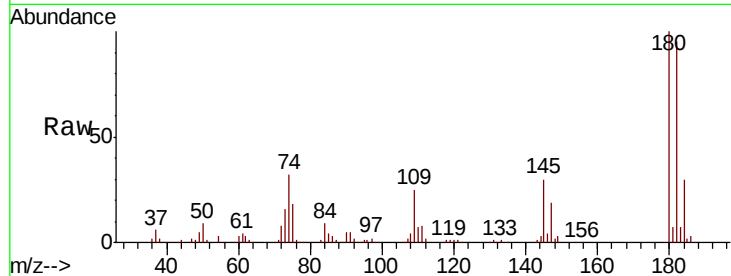




#67
 1,3,5-Trichlorobenzene
 Concen: 4.942 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

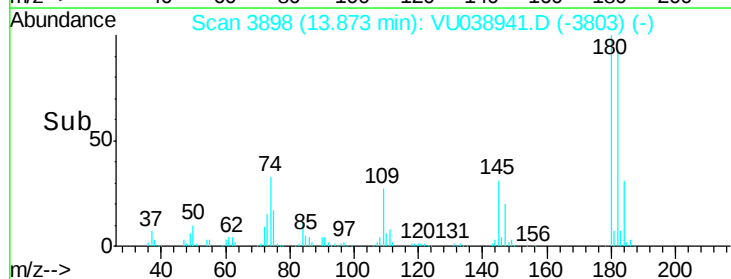
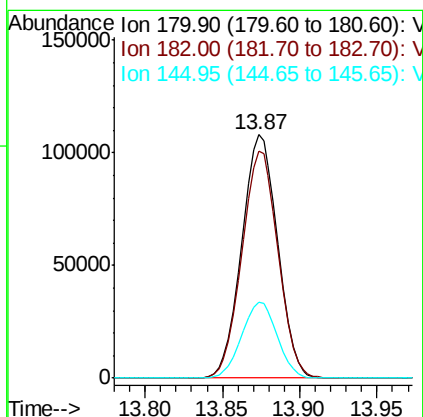
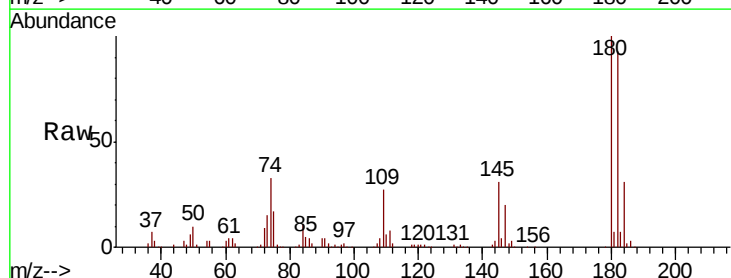
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

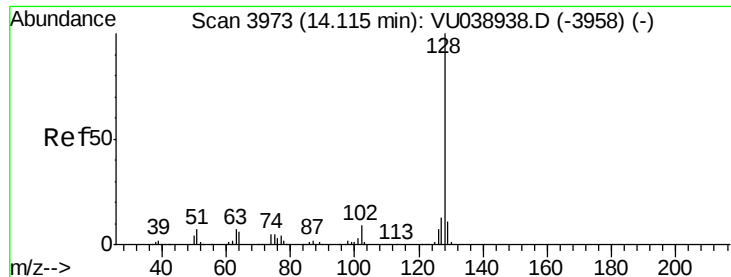
Tot Ion:	180	Resp:	186601
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
184	30.1	24.0	36.0
145	30.3	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.104 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038941.D
 Acq: 17 Jun 2020 13:19

Tgt Ion:	180	Resp:	174014
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.4	113.2
145	30.9	24.7	37.1





#69

Naphthalene

Concen: 5.339 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV03

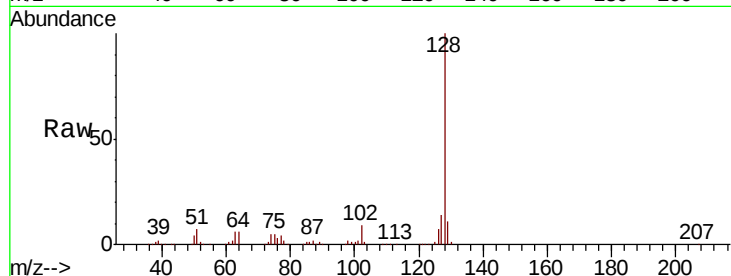
Tot Ion:128 Resp: 351877

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

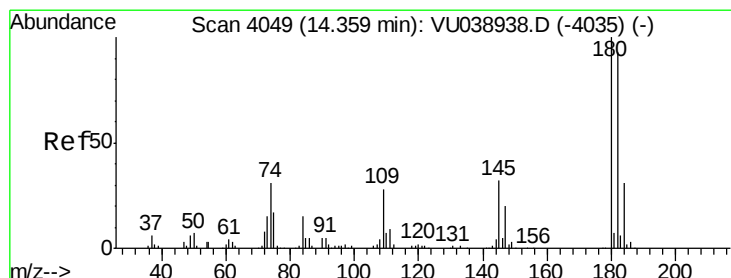
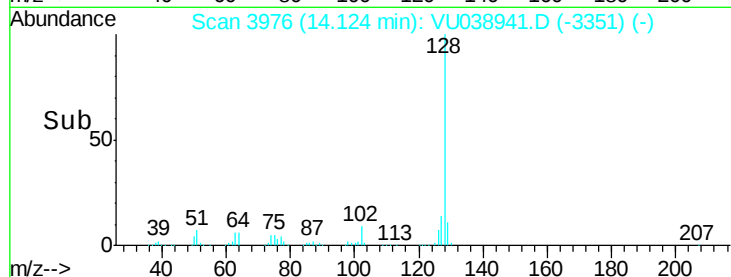
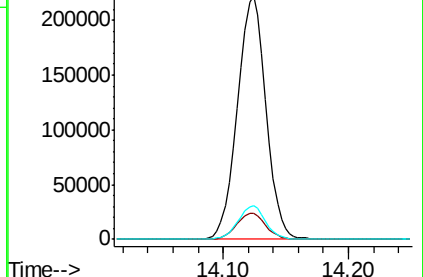
127 13.3 10.6 16.0



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: 5.252 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038941.D

Acq: 17 Jun 2020 13:19

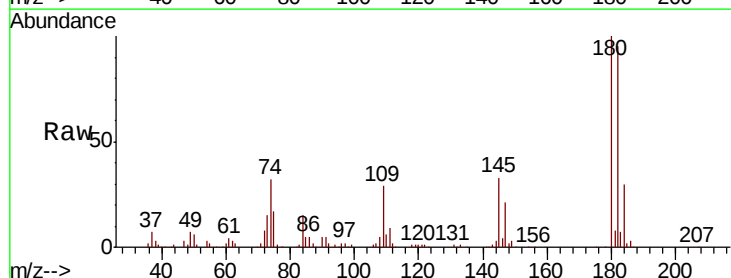
Tgt Ion:180 Resp: 165919

Ion Ratio Lower Upper

180 100

182 95.0 75.5 113.3

145 32.8 27.2 40.8



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

