

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039007.D
 Acq On : 22 Jun 2020 15:56
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Jun 23 01:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	278569	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271243	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	140265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110194	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.93	69	80296	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.59	63	205212	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.67	46	371939	49.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.84%
24) Chloroform-d	5.10	84	201619	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.74	65	121188	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.76	84	400274	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.72	67	130295	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.92	98	341267	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	8.20	79	57759	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.65	63	304245	55.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	119703	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	135147	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	121097	4.489	ug/L 100
3) Chloromethane	1.53	50	81422	5.266	ug/L 100
5) Vinyl chloride	1.62	62	133998	4.711	ug/L 99
6) Bromomethane	1.87	94	39963	5.893	ug/L 99
8) Chloroethane	1.95	64	85145	5.440	ug/L 99
9) Trichlorofluoromethane	2.16	101	162127	4.495	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	93115	4.386	ug/L 98
12) 1,1-Dichloroethene	2.60	96	95275	4.730	ug/L 90
13) Acetone	2.66	43	223669	47.588	ug/L 100
14) Carbon disulfide	2.82	76	317799	4.560	ug/L 100
15) Methyl Acetate	2.98	43	59013	4.934	ug/L 98
16) Methylene chloride	3.08	84	112304	4.586	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	254175	5.216	ug/L 98
18) trans-1,2-Dichloroethene	3.38	96	103266	4.811	ug/L 99
19) 1,1-Dichloroethane	3.91	63	203058	4.775	ug/L 99
21) 2-Butanone	4.75	43	381711	50.365	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	112466	4.886	ug/L 99

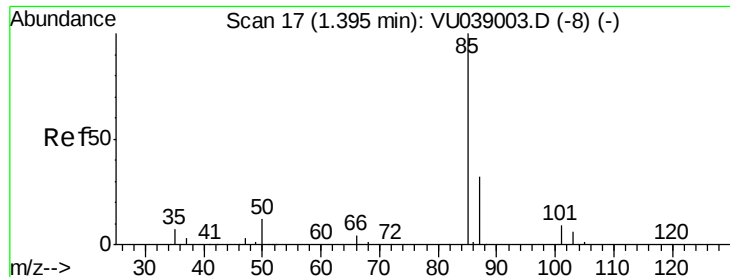
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062220\
 Data File : VU039007.D
 Acq On : 22 Jun 2020 15:56
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Jun 23 01:07:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	52309	4.876	ug/L	96
25) Chloroform	5.12	83	207277	4.696	ug/L	99
27) 1,2-Dichloroethane	5.83	62	145440	4.896	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	165872	4.789	ug/L	99
30) Cyclohexane	5.42	56	161632	4.731	ug/L	98
31) Carbon tetrachloride	5.56	117	135891	4.699	ug/L	99
33) Benzene	5.81	78	436071	4.978	ug/L	100
34) Trichloroethene	6.57	95	103925	4.754	ug/L	99
35) Methylcyclohexane	6.79	83	154686	4.671	ug/L	100
37) 1,2-Dichloropropane	6.82	63	119986	5.095	ug/L	100
38) Bromodichloromethane	7.13	83	148969	5.123	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	169539	5.041	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	911291	52.931	ug/L	99
42) Toluene	7.99	91	433734	4.928	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	154602	5.127	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	86432	4.984	ug/L	99
47) Tetrachloroethene	8.57	164	72952	4.739	ug/L	96
48) 2-Hexanone	8.71	43	685004	52.566	ug/L	98
49) Dibromochloromethane	8.83	129	93929	4.910	ug/L	98
50) 1,2-Dibromoethane	8.94	107	85347	5.201	ug/L	98
51) Chlorobenzene	9.47	112	268449	4.774	ug/L	98
52) Ethylbenzene	9.59	91	450759	4.778	ug/L	100
53) m,p-Xylene	9.71	106	176064	4.935	ug/L	96
54) o-Xylene	10.12	106	169719	5.005	ug/L	99
55) Styrene	10.13	104	303793	5.209	ug/L	99
56) Isopropylbenzene	10.50	105	436970	4.867	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	112185	4.886	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	88097	5.081	ug/L	100
61) Bromoform	10.31	173	53519	4.901	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	214213	4.793	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	217144	4.734	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	208525	4.800	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19179	4.883	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	152082	4.730	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	134380	4.867	ug/L	98
69) Naphthalene	14.12	128	285725	5.222	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	131179	5.062	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.489 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

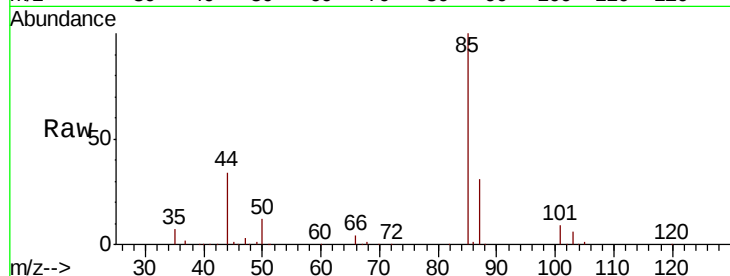
VSTD00510

Tot Ion: 85 Resp: 121097

Ion Ratio Lower Upper

85 100

87 31.6 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU039007.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039007.D (-8) (-)

1.39

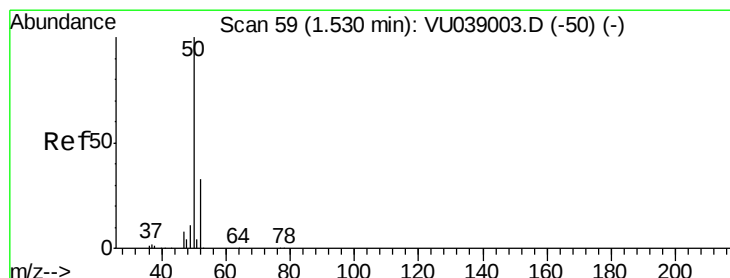
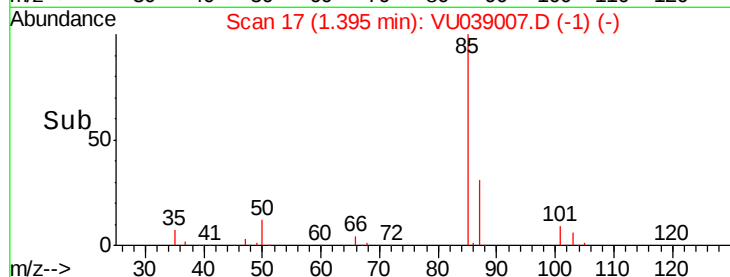
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.266 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039007.D

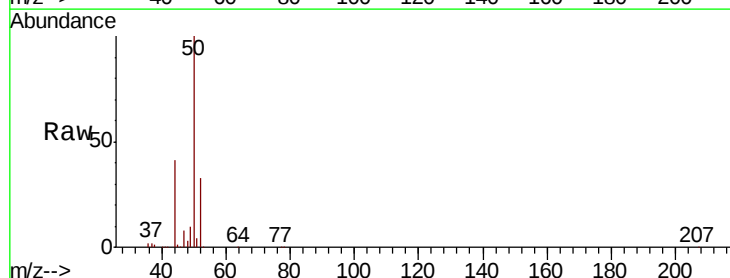
Acq: 22 Jun 2020 15:56

Tgt Ion: 50 Resp: 81422

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039007.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039007.D (-50) (-)

1.53

80000

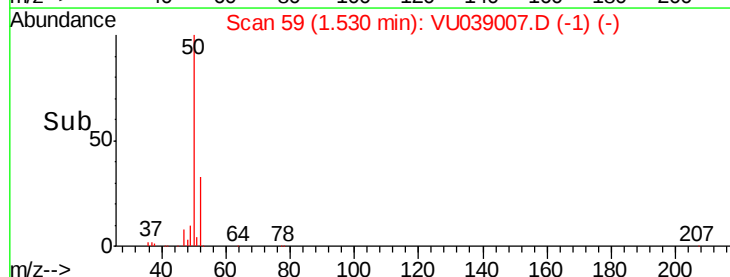
60000

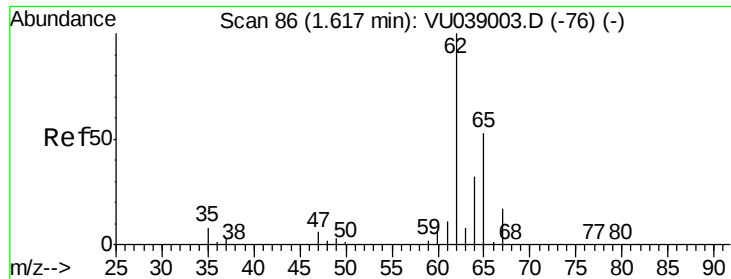
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.711 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

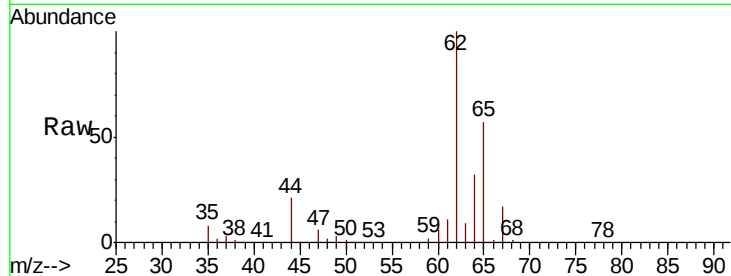
VSTD00510

Tot Ion: 62 Resp: 133998

Ion Ratio Lower Upper

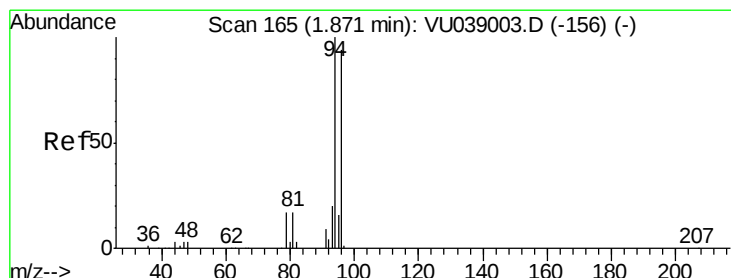
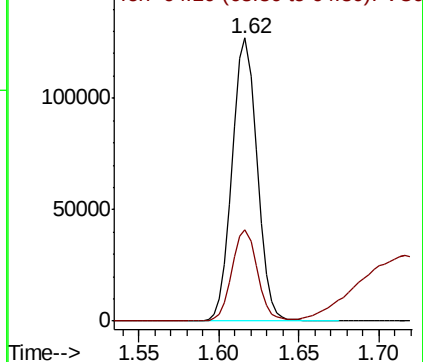
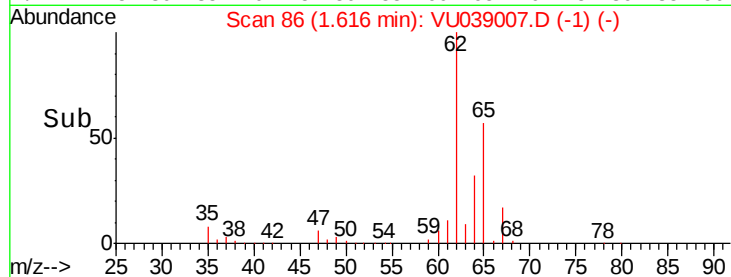
62 100

64 32.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU039007.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039007.D (-1) (-)



#6

Bromomethane

Concen: 5.893 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039007.D

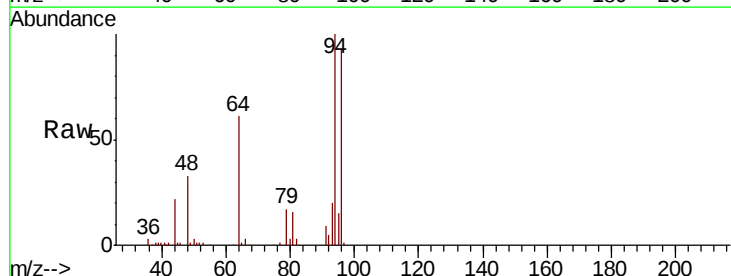
Acq: 22 Jun 2020 15:56

Tgt Ion: 94 Resp: 39963

Ion Ratio Lower Upper

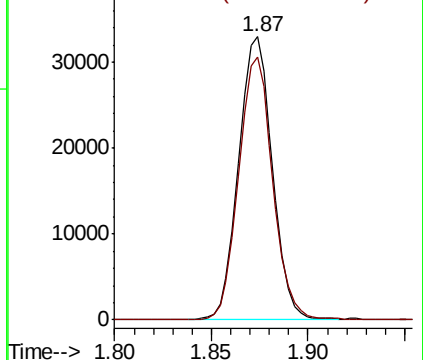
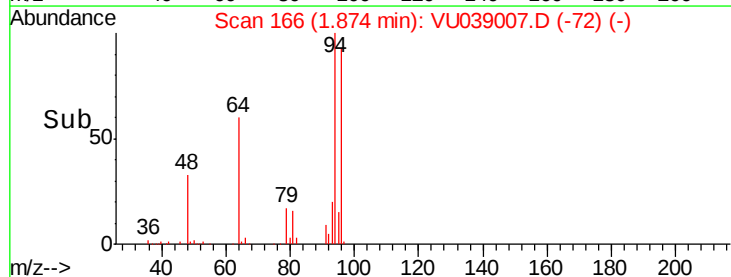
94 100

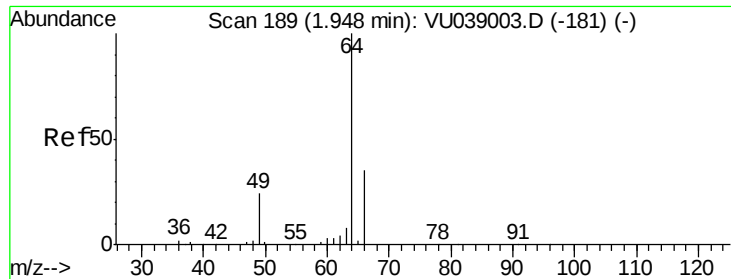
96 93.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039007.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU039007.D (-72) (-)





#8

Chloroethane

Concen: 5.440 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

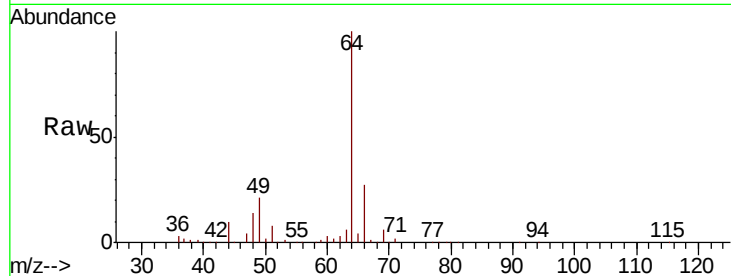
VSTD00510

Tot Ion: 64 Resp: 85145

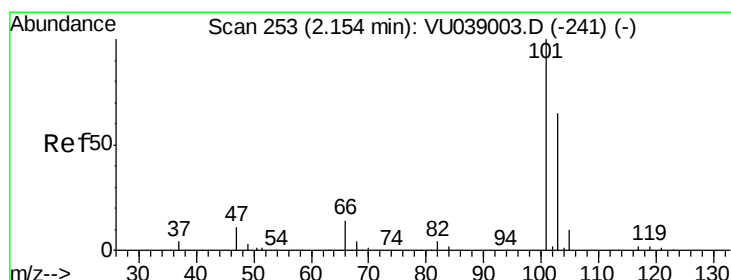
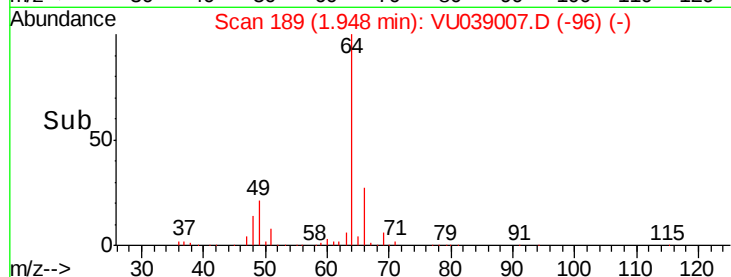
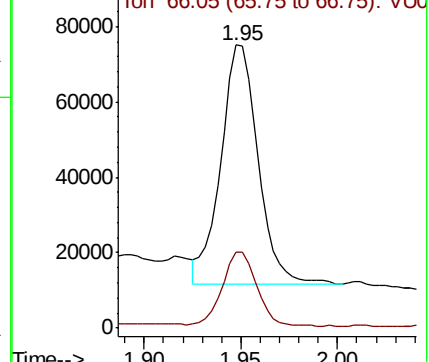
Ion Ratio Lower Upper

64 100

66 27.0 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VU039007.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 4.495 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU039007.D

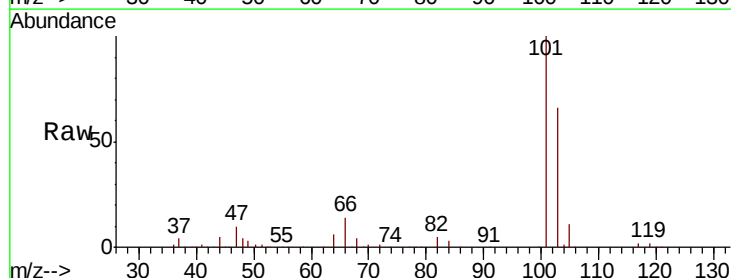
Acq: 22 Jun 2020 15:56

Tgt Ion:101 Resp: 162127

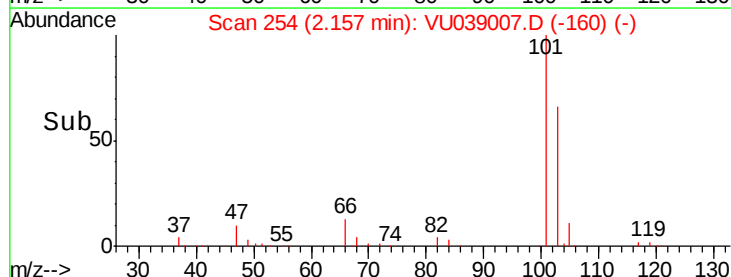
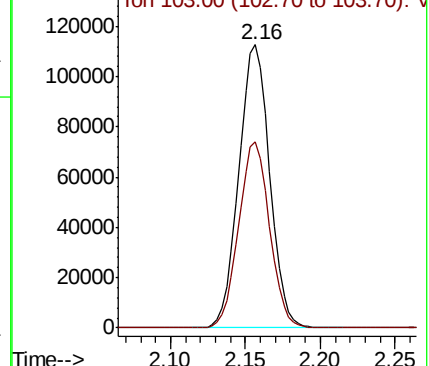
Ion Ratio Lower Upper

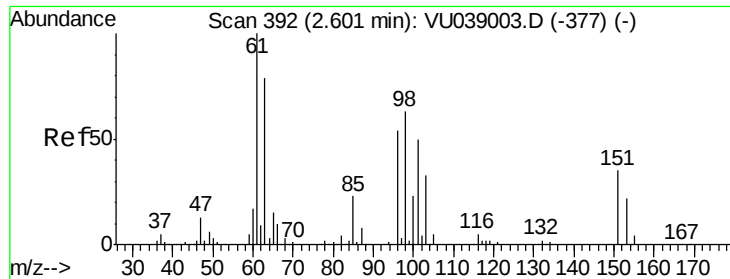
101 100

103 65.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU039007.D (-241) (-)





#10

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

Concen: 4.386 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

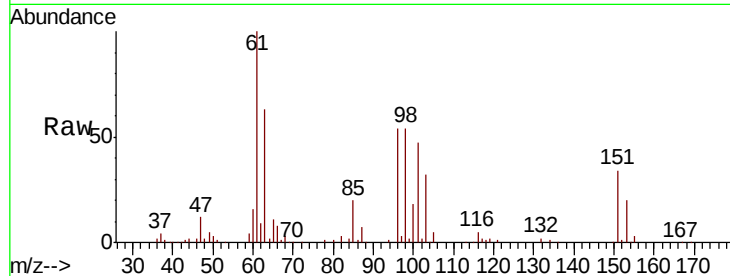
Tot Ion:101 Resp: 93115

Ion Ratio Lower Upper

101 100

85 44.4 36.5 54.7

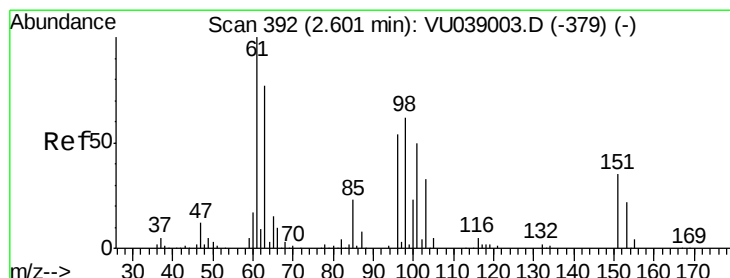
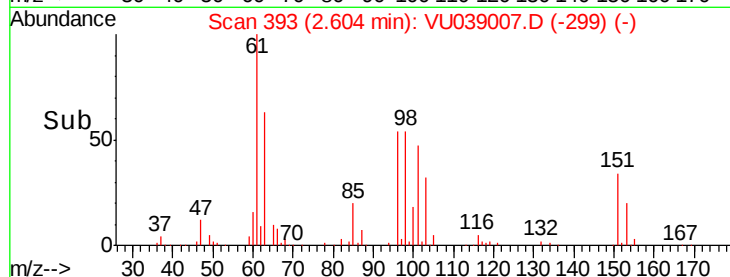
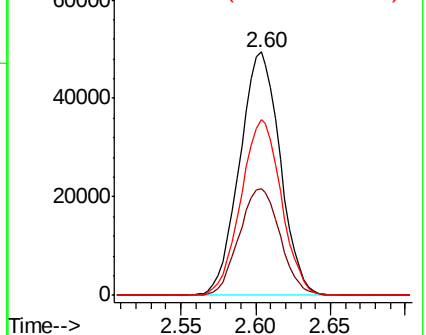
151 71.9 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.730 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

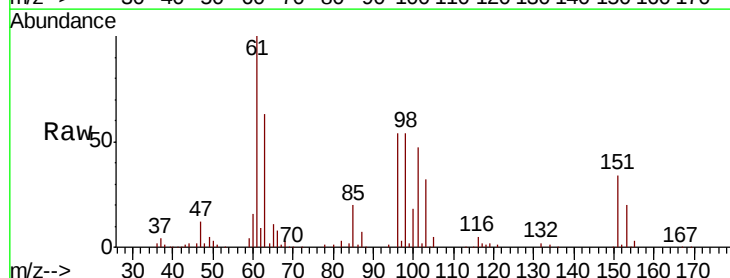
Tgt Ion: 96 Resp: 95275

Ion Ratio Lower Upper

96 100

61 183.6 128.7 239.1

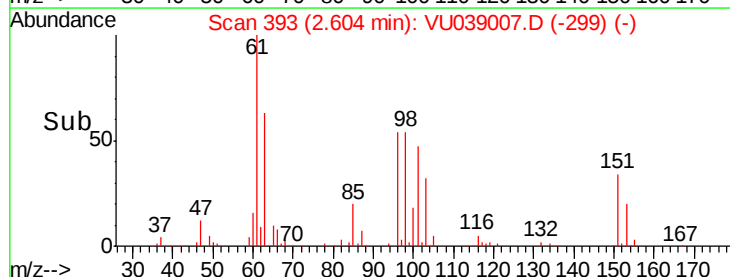
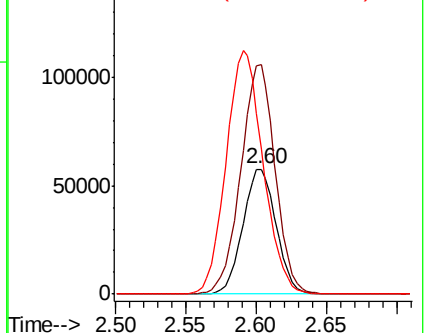
63 116.3 101.5 188.5

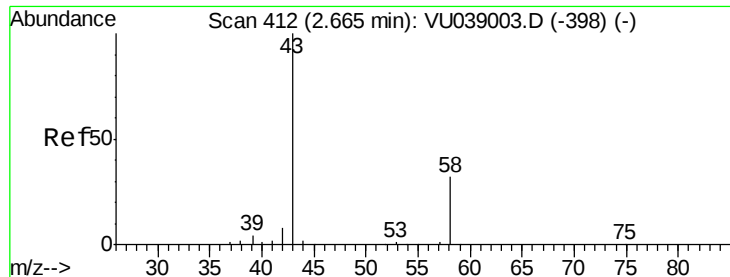


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.588 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

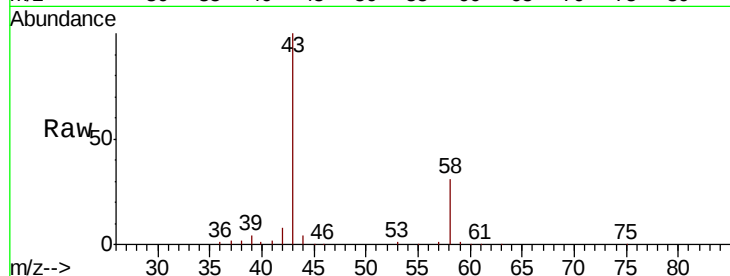
VSTD00510

Tot Ion: 43 Resp: 223669

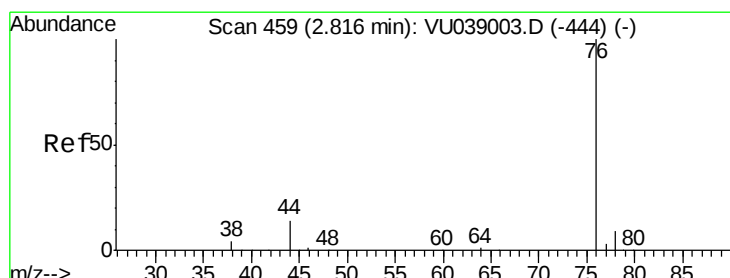
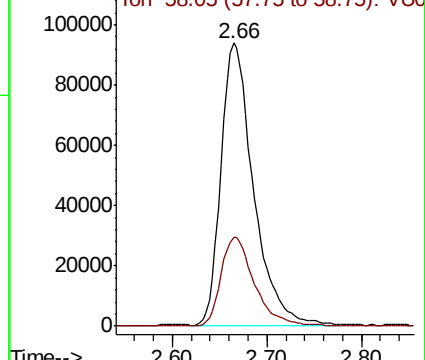
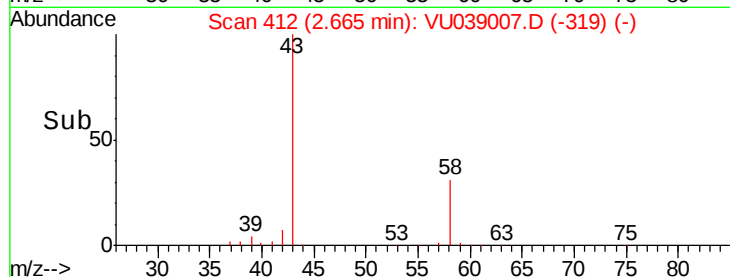
Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU039007.D (-319) (-)



#14

Carbon disulfide

Concen: 4.560 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU039007.D

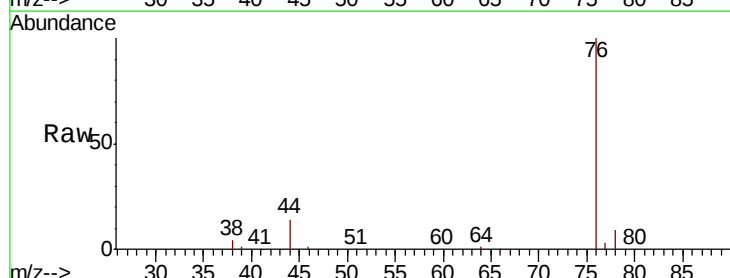
Acq: 22 Jun 2020 15:56

Tgt Ion: 76 Resp: 317799

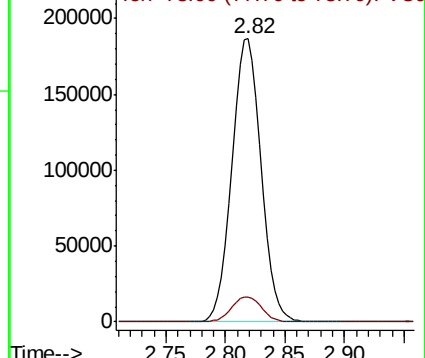
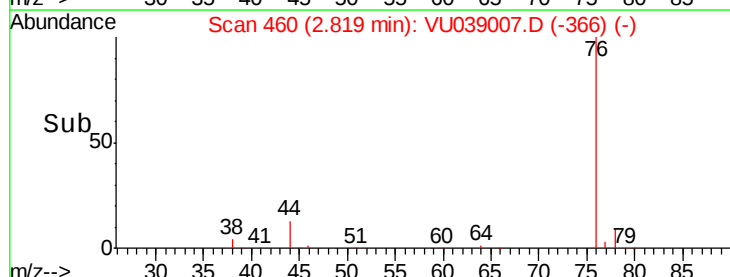
Ion Ratio Lower Upper

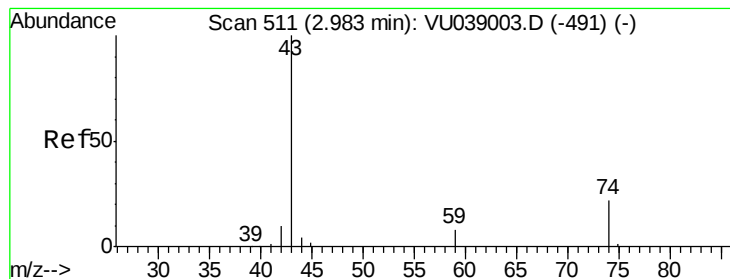
76 100

78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039007.D (-366) (-)





#15

Methvl Acetate

Concen: 4.934 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

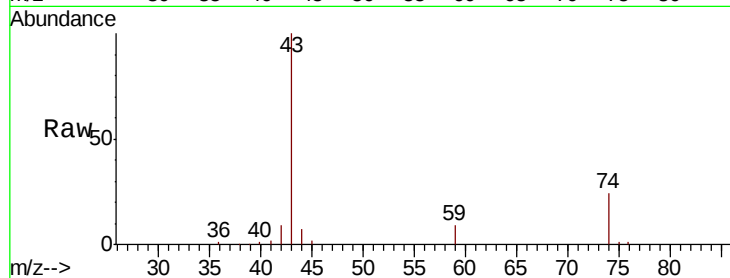
VSTD00510

Tot Ion: 43 Resp: 59013

Ion Ratio Lower Upper

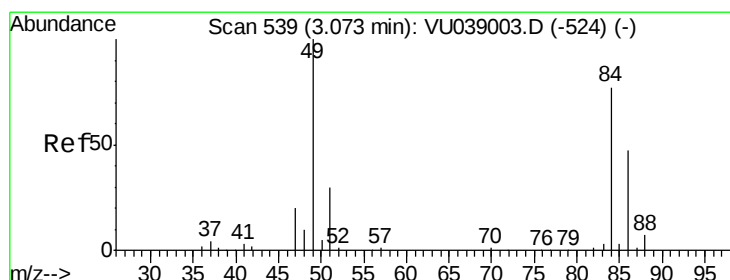
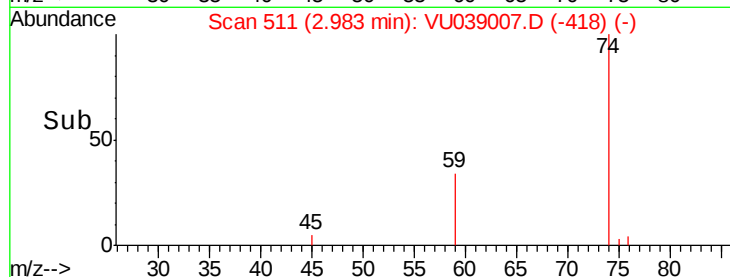
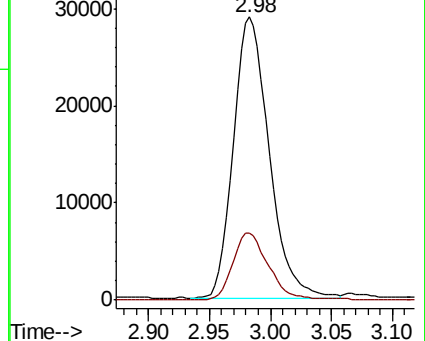
43 100

74 23.5 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.586 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

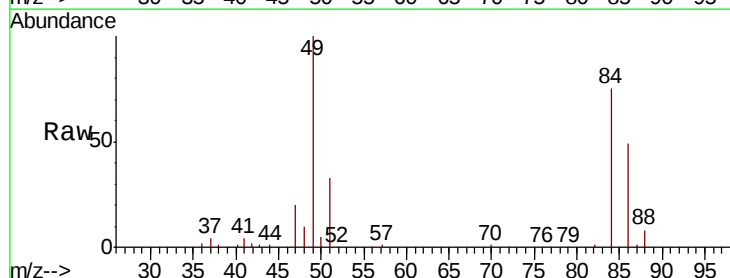
Tgt Ion: 84 Resp: 112304

Ion Ratio Lower Upper

84 100

86 64.4 43.1 80.1

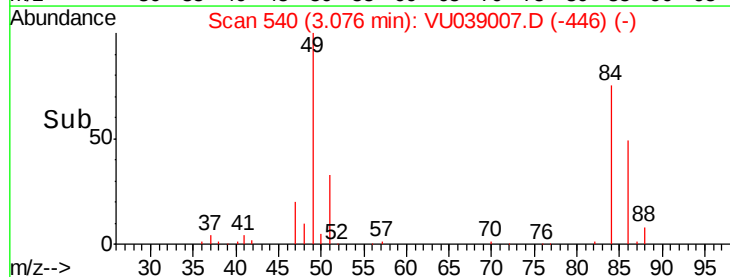
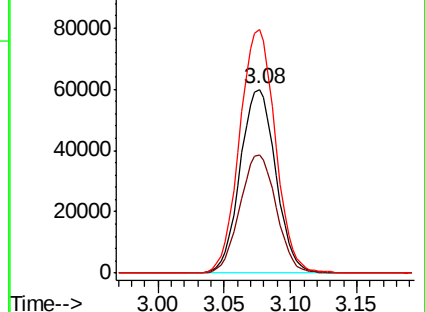
49 132.6 90.9 168.9

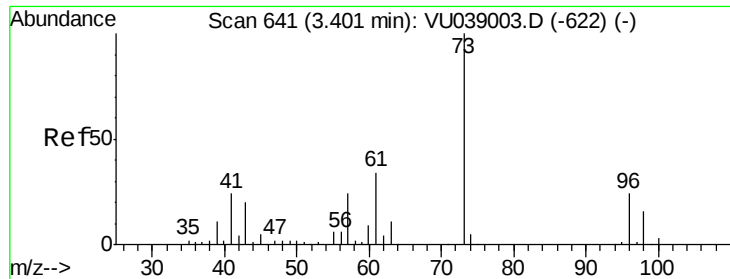


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

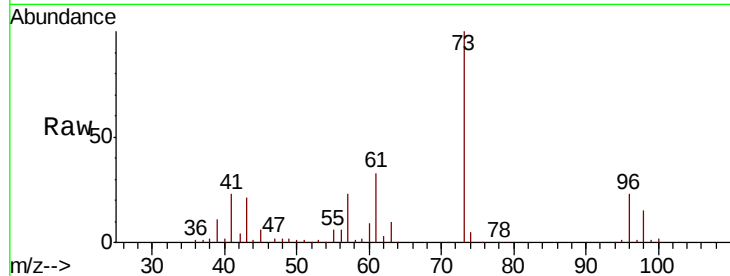




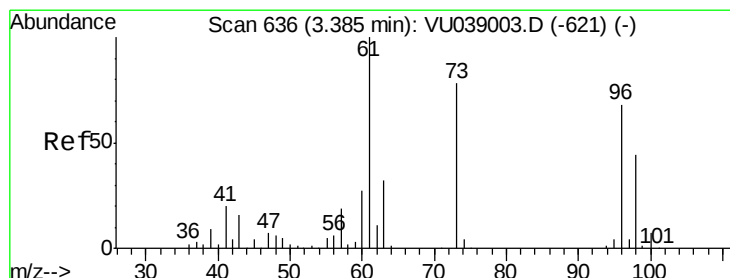
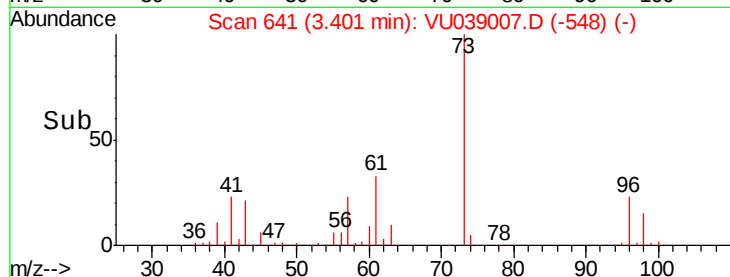
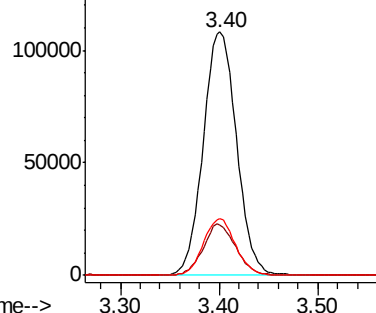
#17
Methvl tert-butvl Ether
Concen: 5.216 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 73 Resp: 254175
Ion Ratio Lower Upper
73 100
43 20.2 16.7 25.1
57 22.7 18.8 28.2

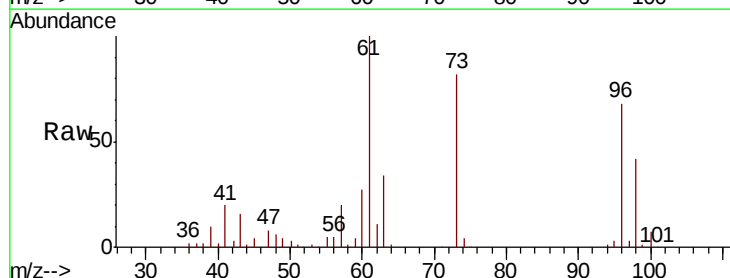


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

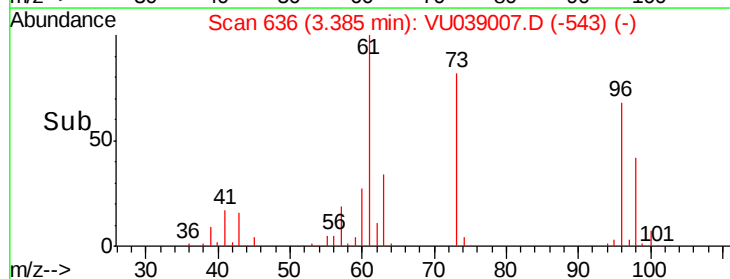
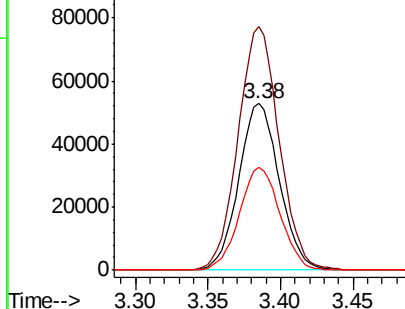


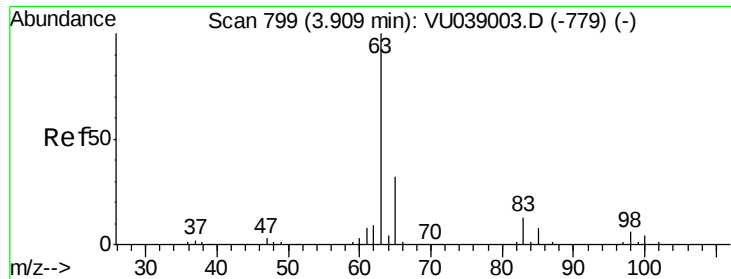
#18
trans-1,2-Dichloroethene
Concen: 4.811 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Tgt Ion: 96 Resp: 103266
Ion Ratio Lower Upper
96 100
61 146.3 102.6 190.6
98 61.6 45.0 83.6



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

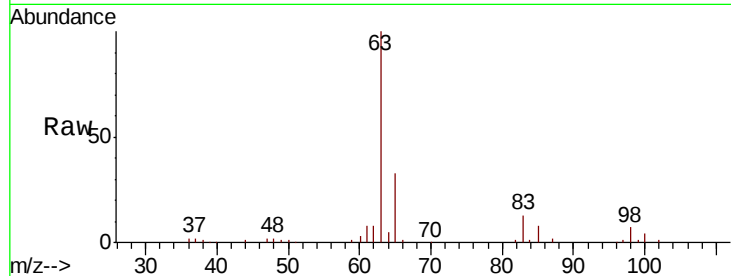




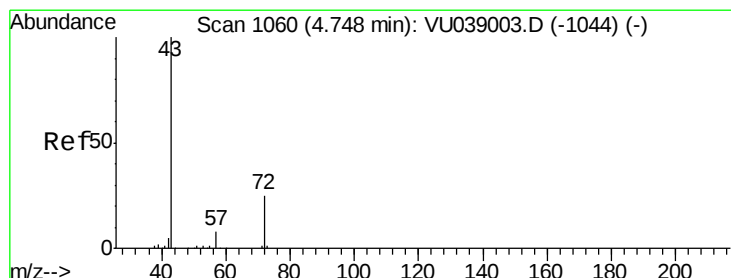
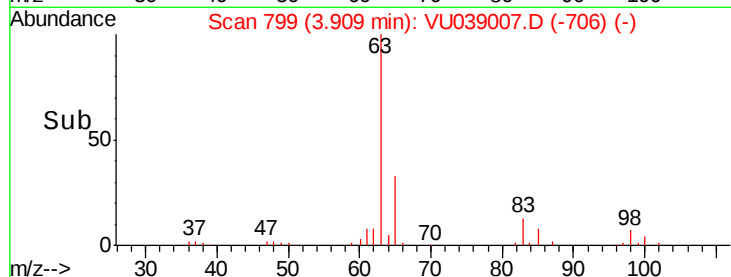
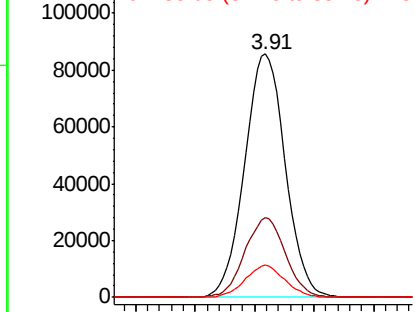
#19
 1,1-Dichloroethane
 Concen: 4.775 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 63 Resp: 203058
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.5 41.7
 83 13.1 9.2 17.2

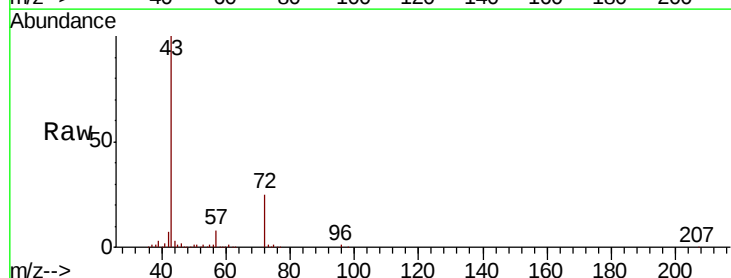


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

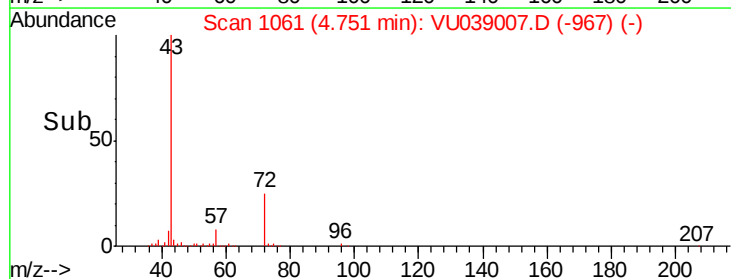
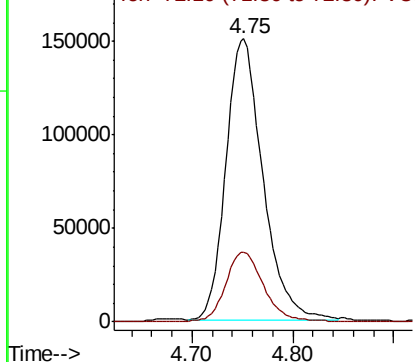


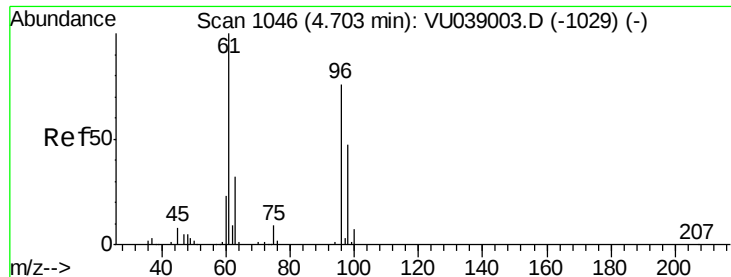
#21
 2-Butanone
 Concen: 50.365 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion: 43 Resp: 381711
 Ion Ratio Lower Upper
 43 100
 72 26.0 13.1 39.3



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





#22

cis-1,2-Dichloroethene

Concen: 4.886 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

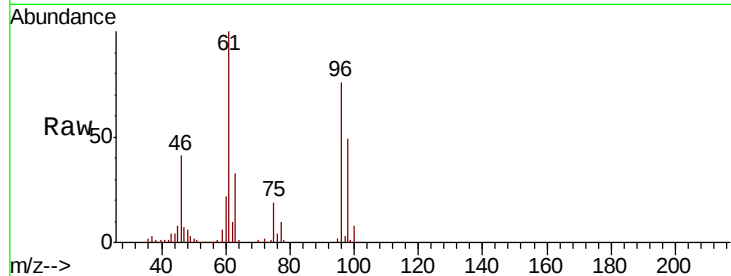
Tot Ion: 96 Resp: 112466

Ion Ratio Lower Upper

96 100

61 132.1 92.0 170.8

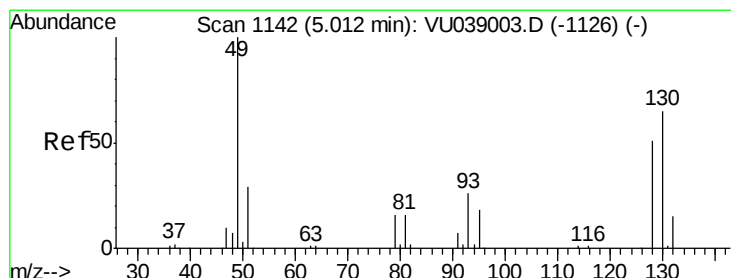
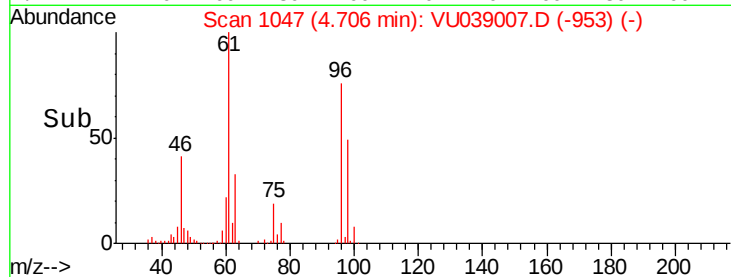
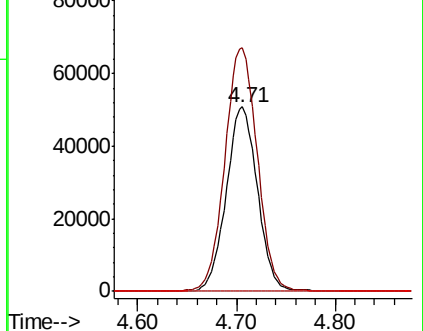
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039007.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039007.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039007.D (-953) (-)



#23

Bromochloromethane

Concen: 4.876 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Tgt Ion:128 Resp: 52309

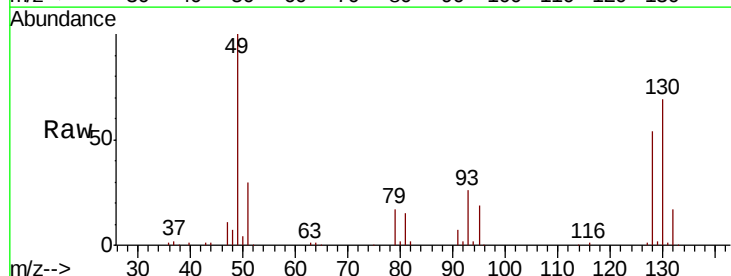
Ion Ratio Lower Upper

128 100

49 186.7 138.4 257.0

130 128.1 90.3 167.7

51 56.6 46.6 69.8

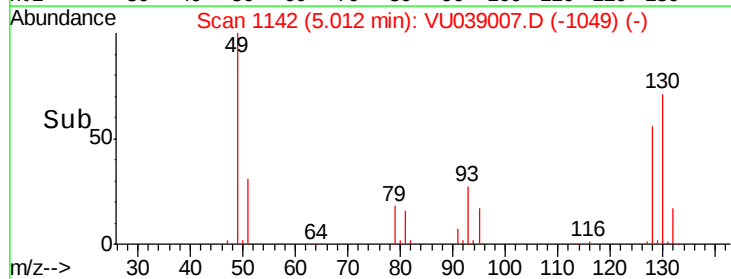
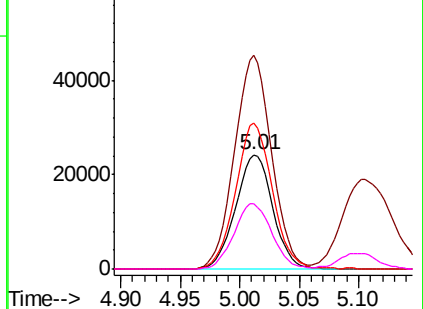


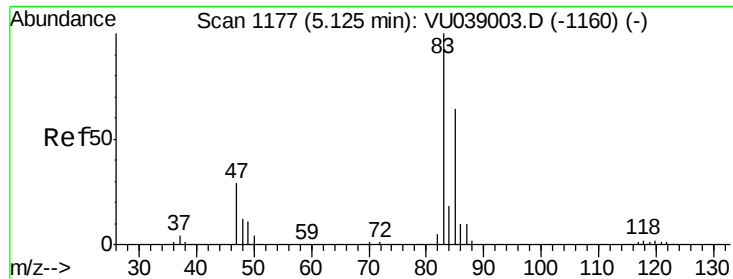
Abundance Ion 127.90 (127.60 to 128.60): VU039007.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039007.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039007.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039007.D (-1049) (-)

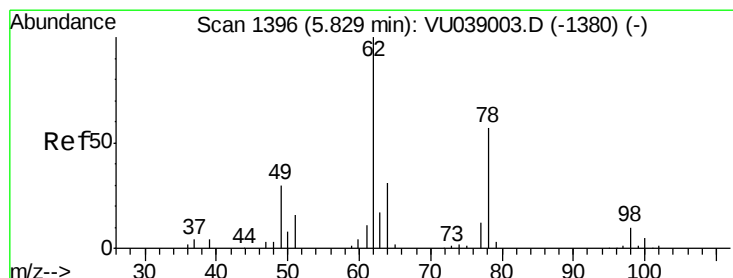
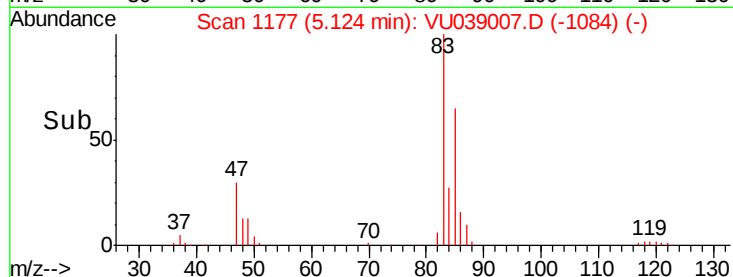
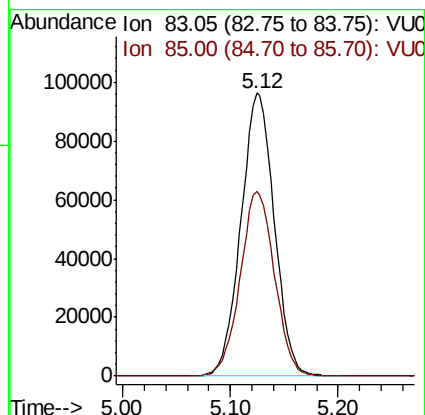
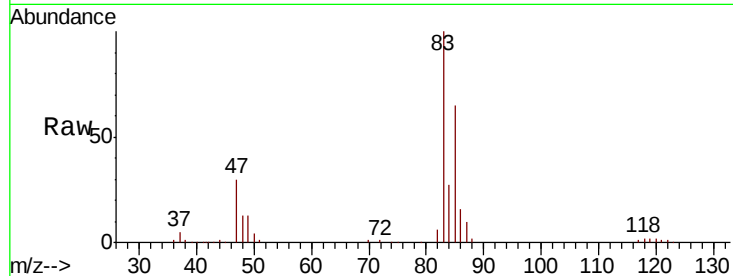




#25
Chloroform
Concen: 4.696 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

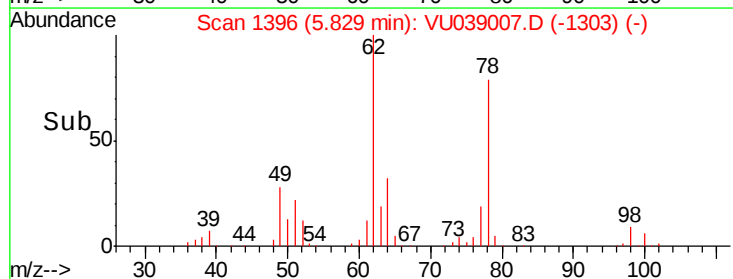
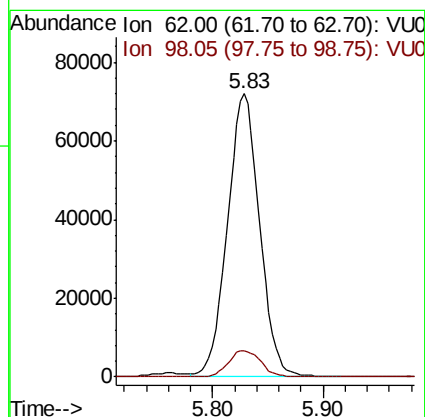
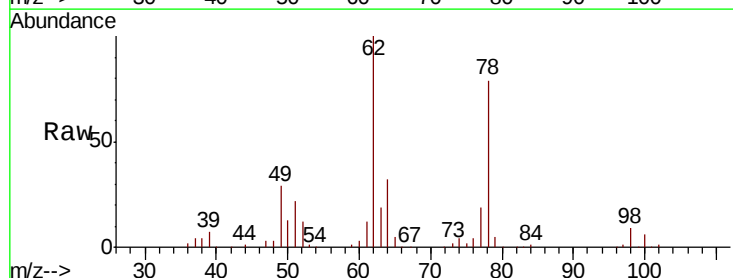
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

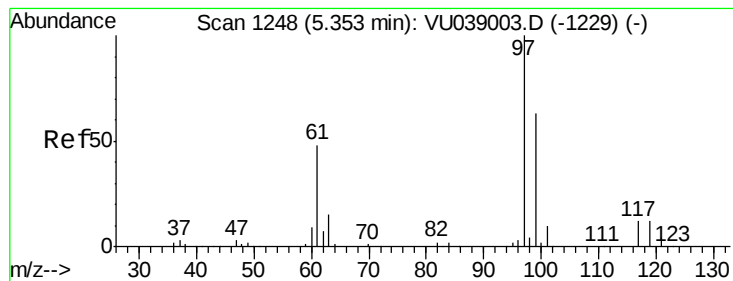
Tot Ion: 83 Resp: 207277
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.896 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Tgt Ion: 62 Resp: 145440
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.789 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

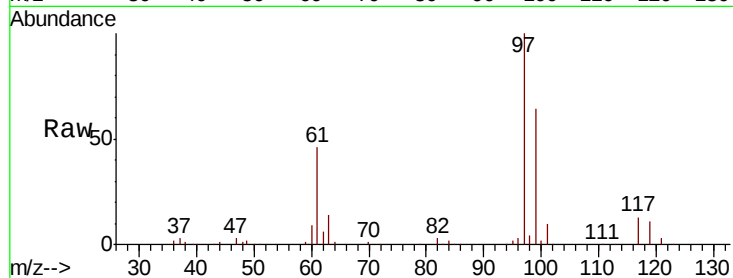
Tot Ion: 97 Resp: 165872

Ion Ratio Lower Upper

97 100

99 65.7 51.7 77.5

61 46.8 38.2 57.4

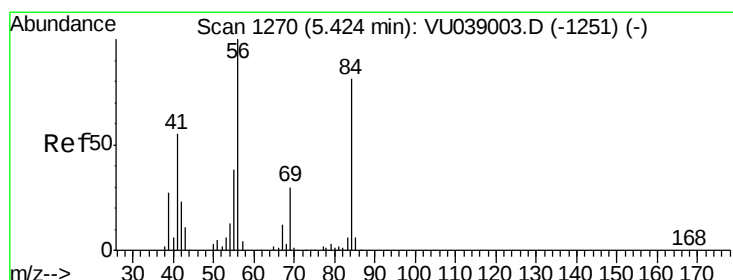
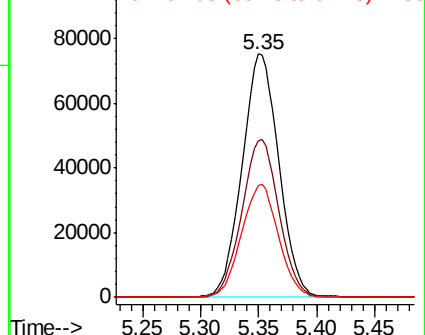
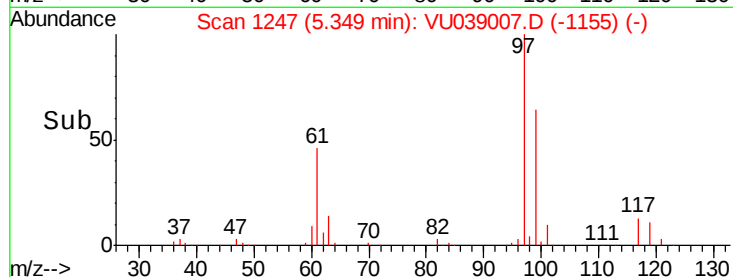


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.731 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

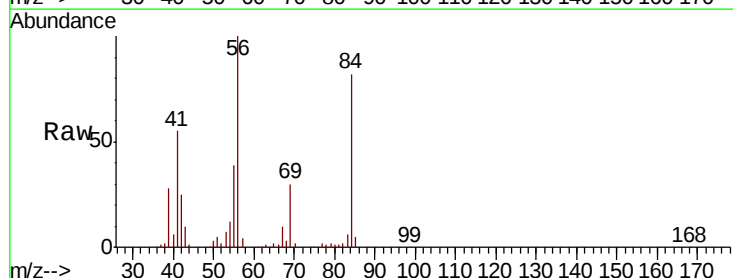
Tgt Ion: 56 Resp: 161632

Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

84 81.8 67.1 100.7

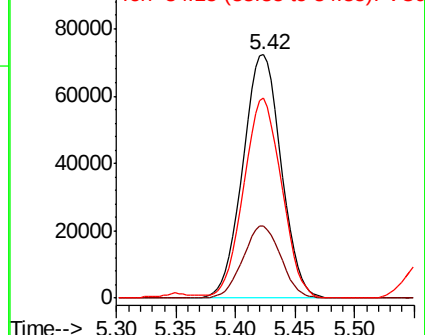
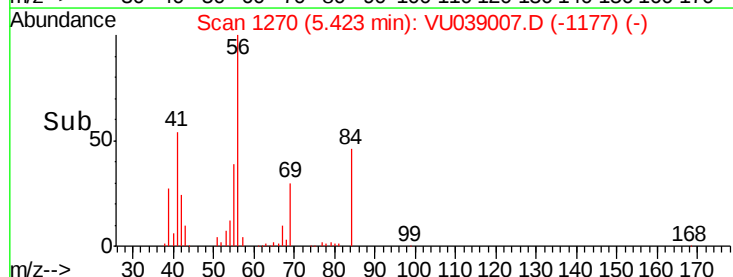


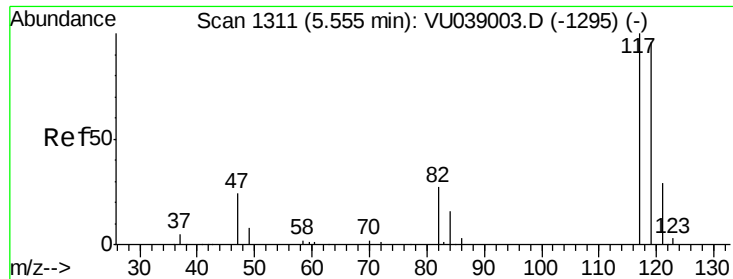
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.699 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

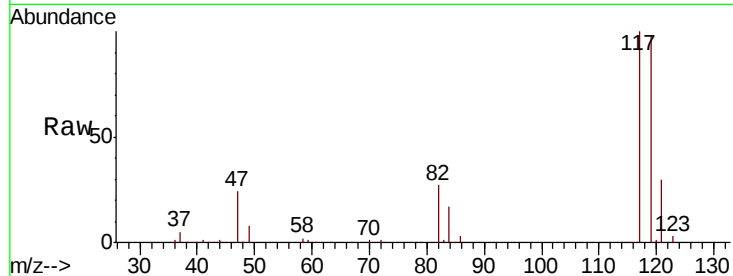
VSTD00510

Tot Ion:117 Resp: 135891

Ion Ratio Lower Upper

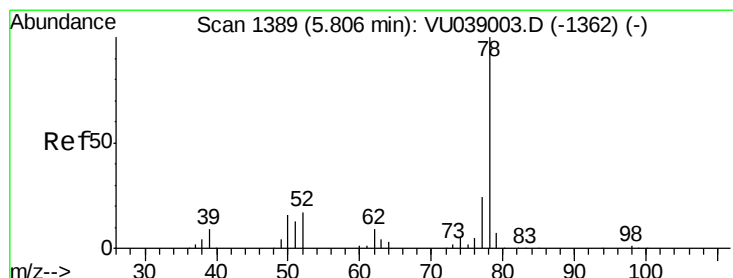
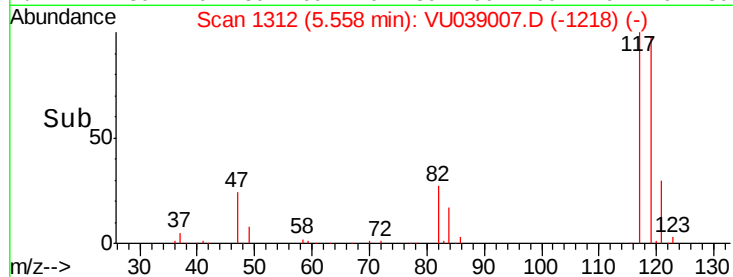
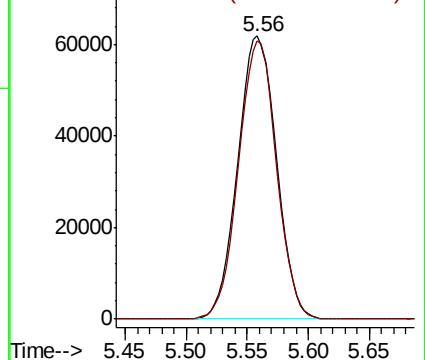
117 100

119 96.2 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.978 ug/L

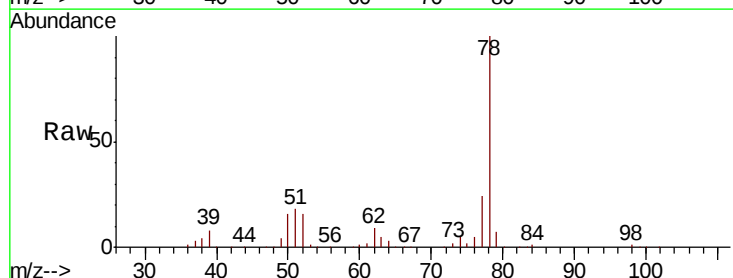
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

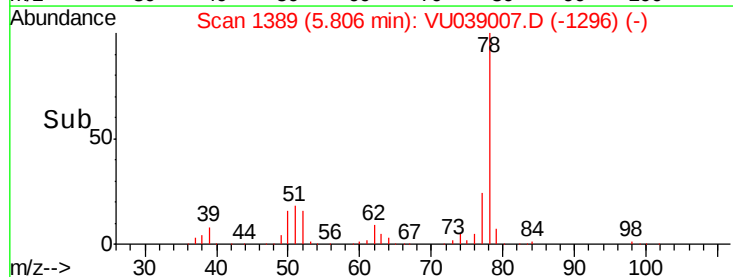
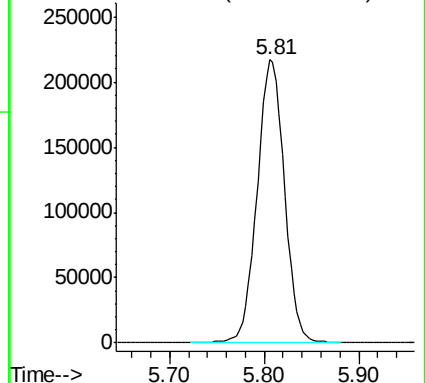
Lab File: VU039007.D

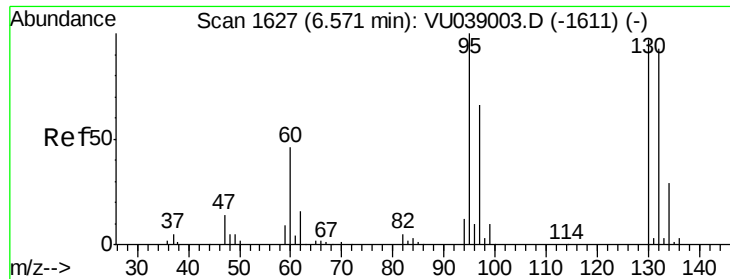
Acq: 22 Jun 2020 15:56

Tgt Ion: 78 Resp: 436071



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.754 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tot Ion: 95 Resp: 103925

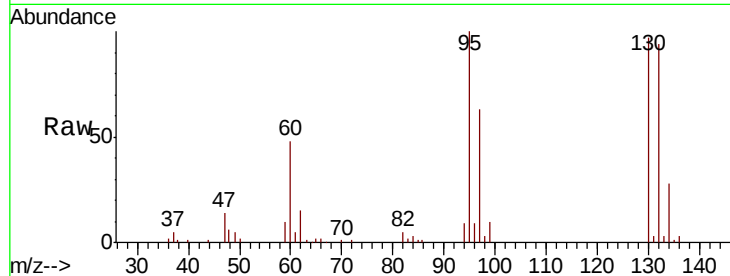
Ion Ratio Lower Upper

95 100

97 62.7 46.0 85.4

132 93.6 65.0 120.6

130 96.7 68.0 126.2

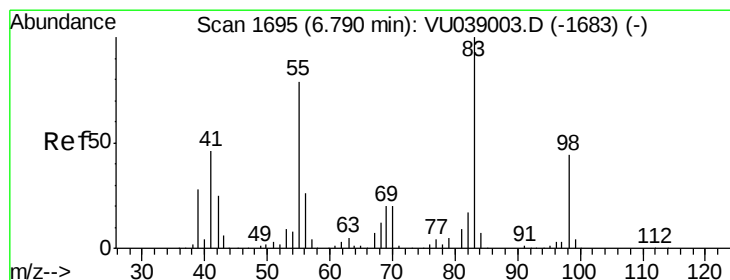
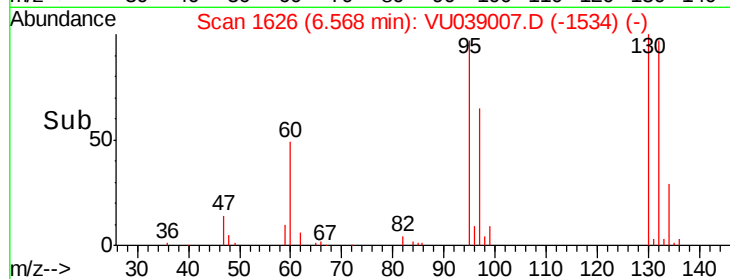
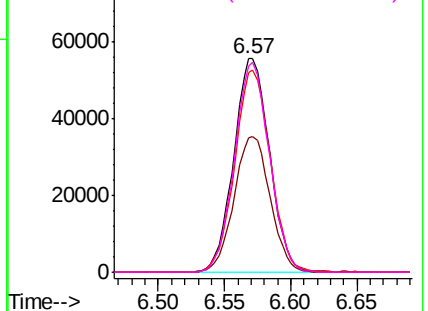


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.671 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

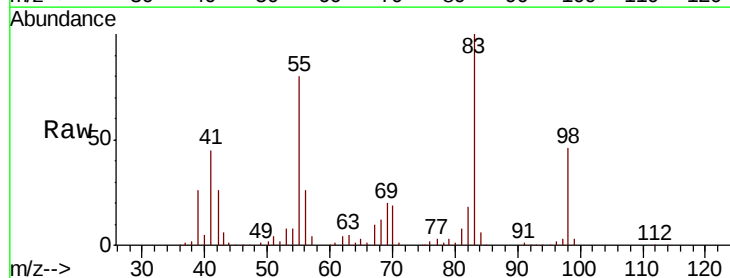
Tgt Ion: 83 Resp: 154686

Ion Ratio Lower Upper

83 100

55 81.6 65.1 97.7

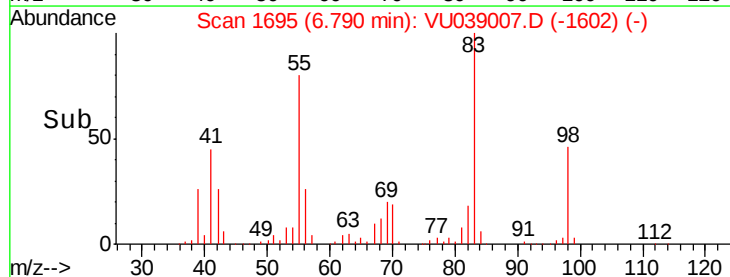
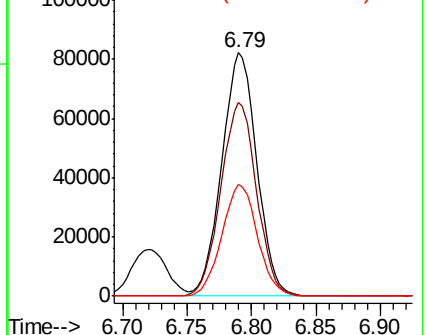
98 46.7 37.0 55.4

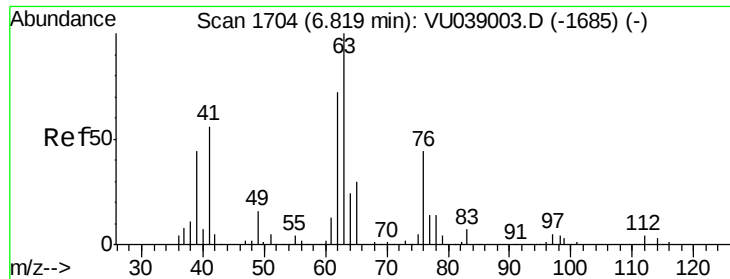


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

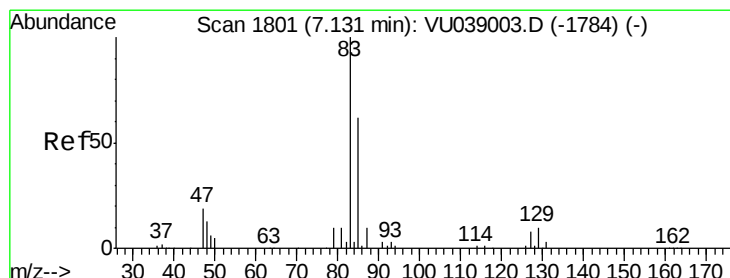
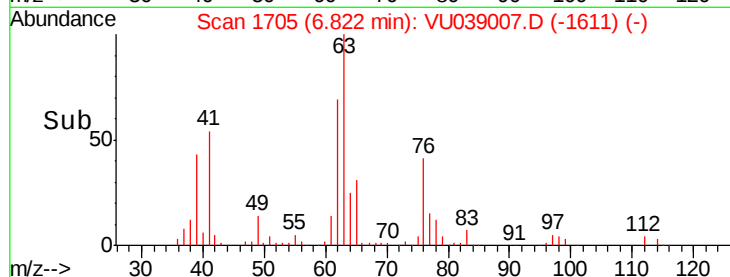
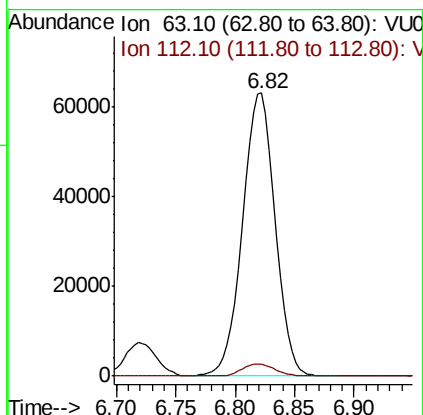
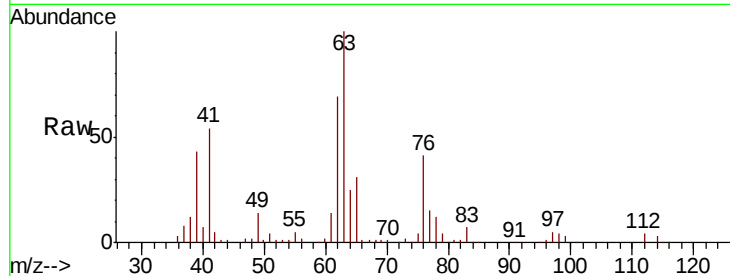




#37
 1,2-Dichloropropane
 Concen: 5.095 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

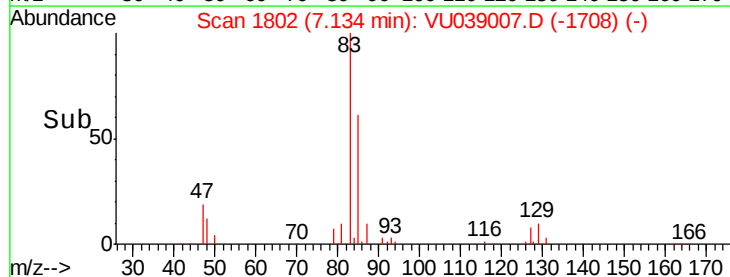
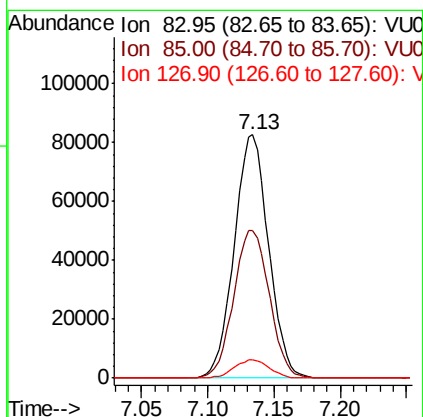
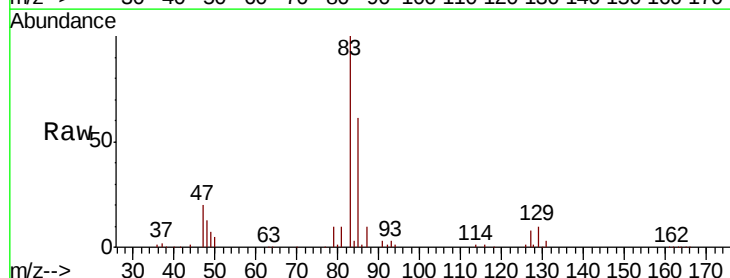
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

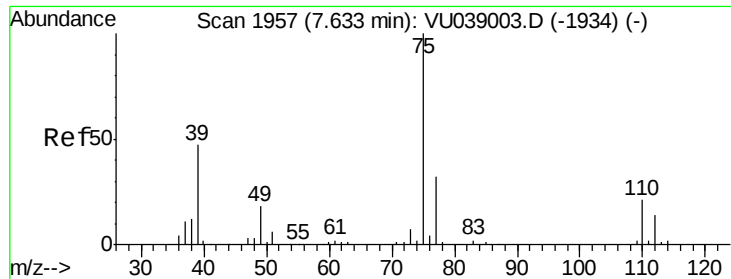
Tot Ion: 63 Resp: 119986
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.123 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion: 83 Resp: 148969
 Ion Ratio Lower Upper
 83 100
 85 60.8 43.6 81.0
 127 7.6 6.1 9.1



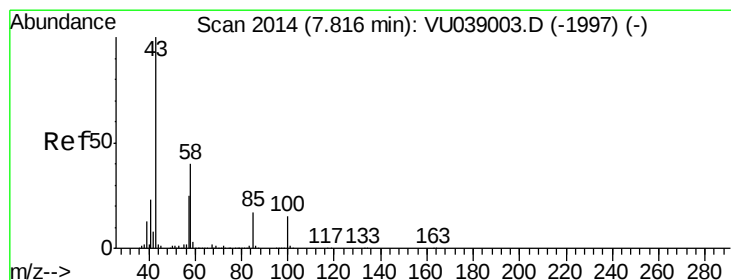
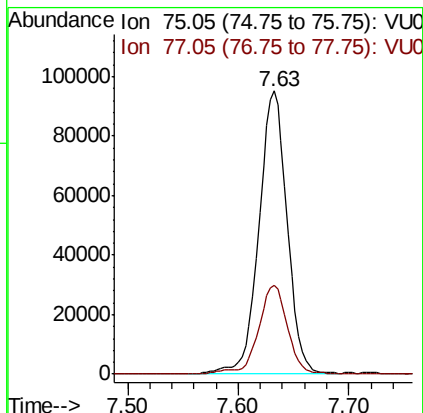
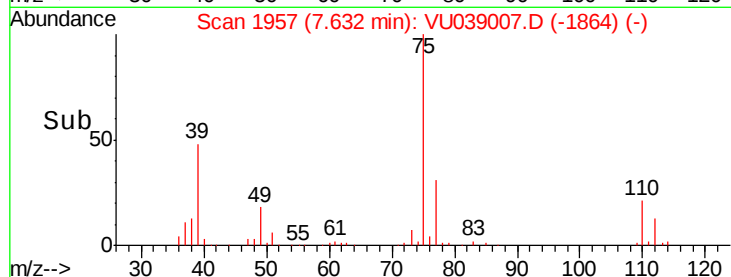
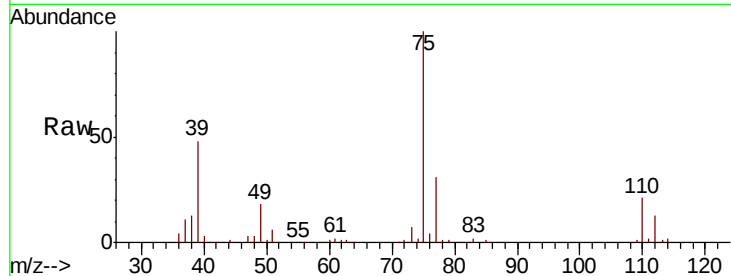


#39

cis-1,3-Dichloropropene
 Concen: 5.041 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

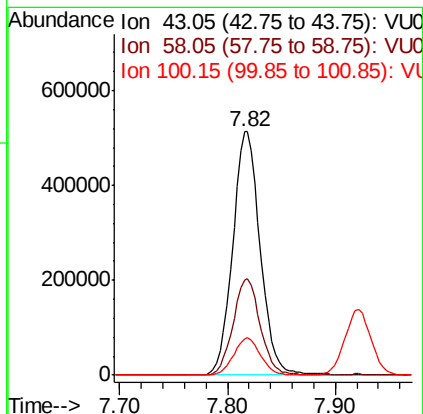
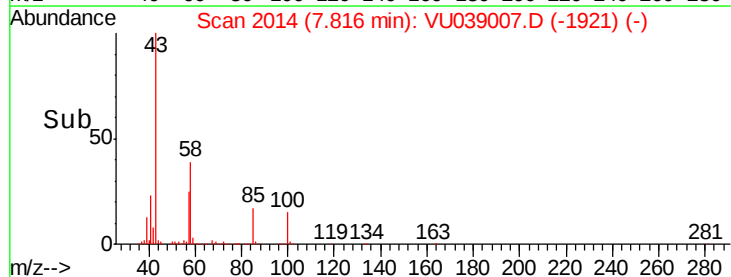
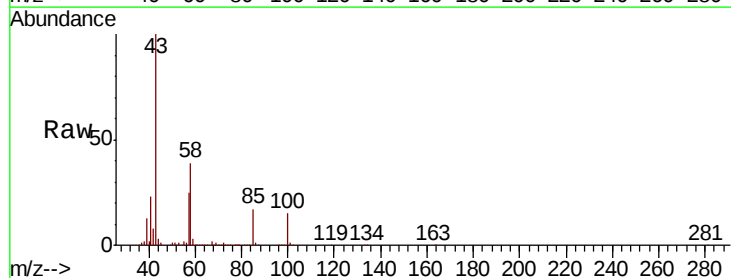
Tot Ion: 75 Resp: 169539
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0

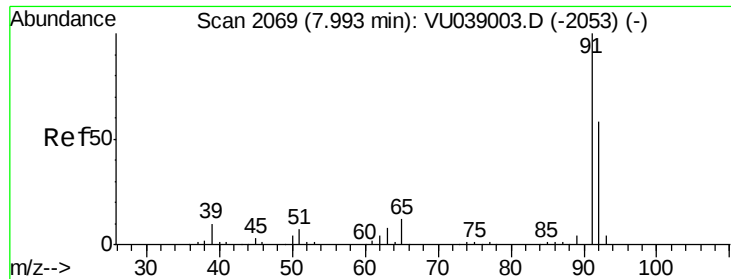


#40

4-Methyl-2-pentanone
 Concen: 52.931 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion: 43 Resp: 911291
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.4 47.0
 100 15.1 11.6 17.4





#42

Toluene

Concen: 4.928 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

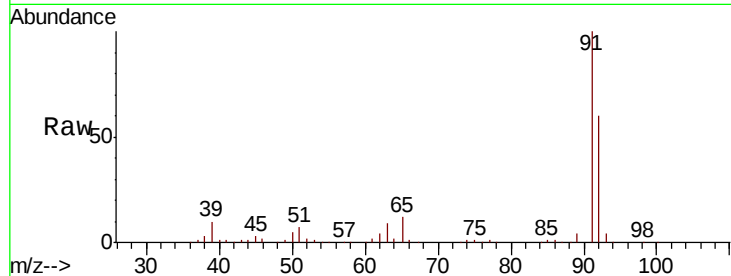
VSTD00510

Tot Ion: 91 Resp: 433734

Ion Ratio Lower Upper

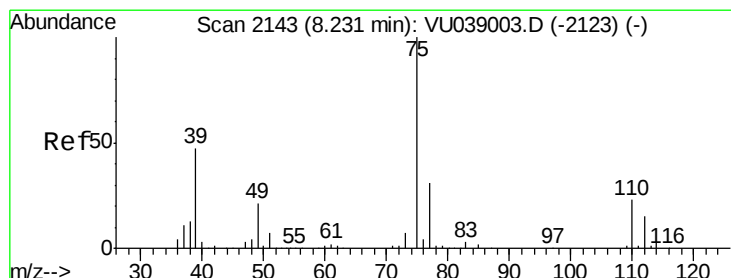
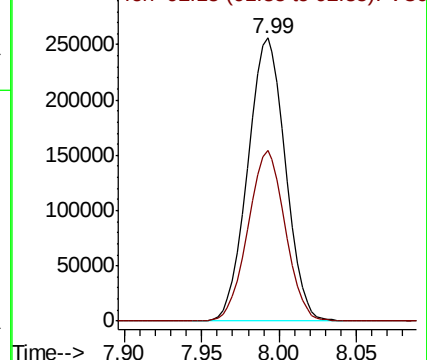
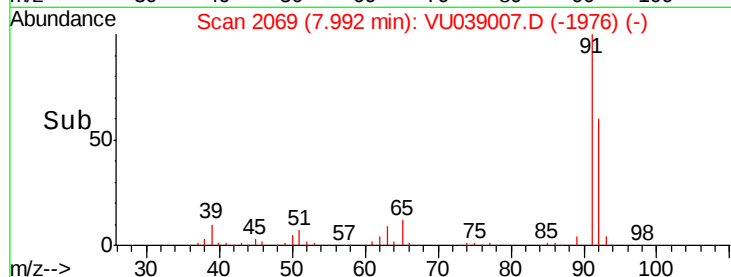
91 100

92 60.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU039007.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU039007.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.127 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039007.D

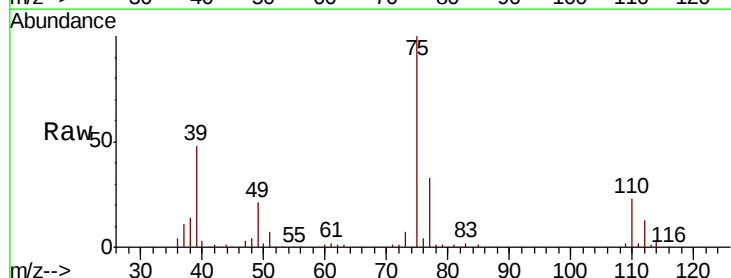
Acq: 22 Jun 2020 15:56

Tgt Ion: 75 Resp: 154602

Ion Ratio Lower Upper

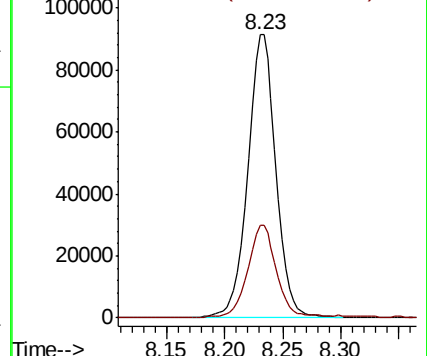
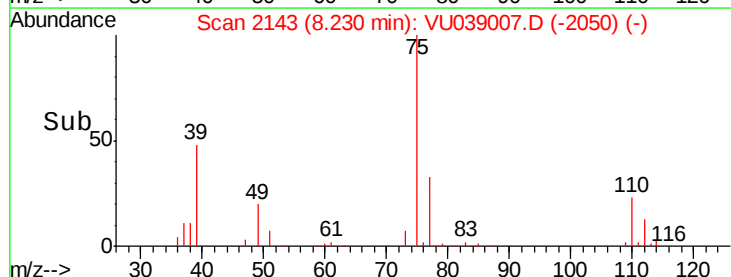
75 100

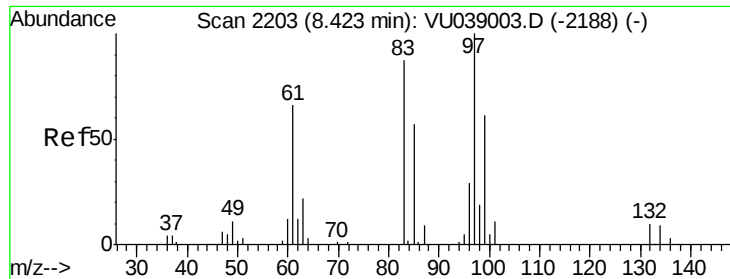
77 32.9 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VU039007.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU039007.D (-2050) (-)

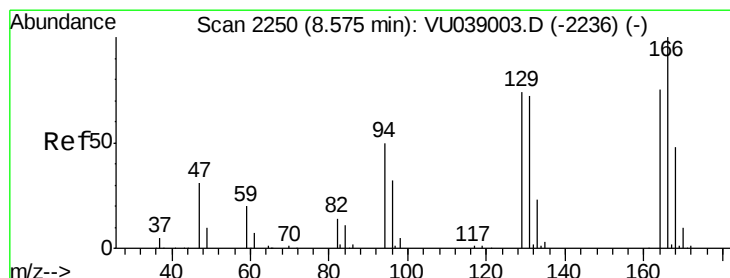
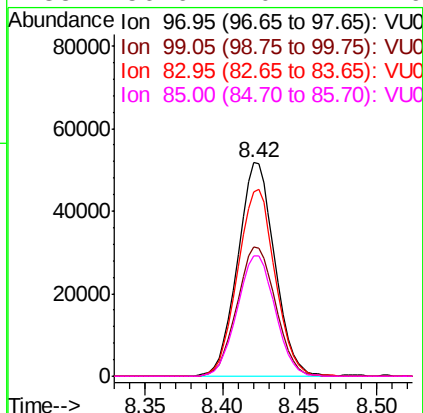
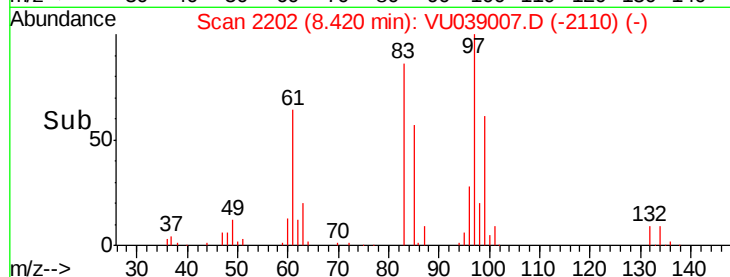
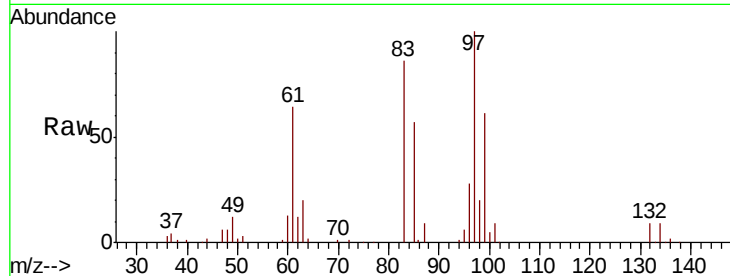




#45
 1,1,2-Trichloroethane
 Concen: 4.984 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

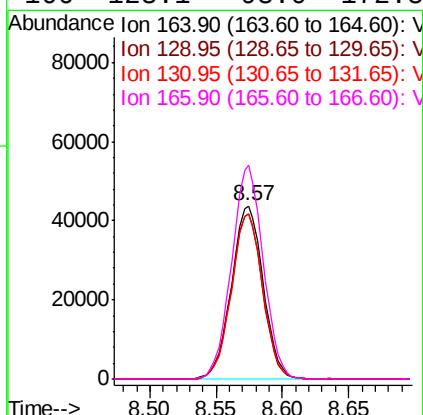
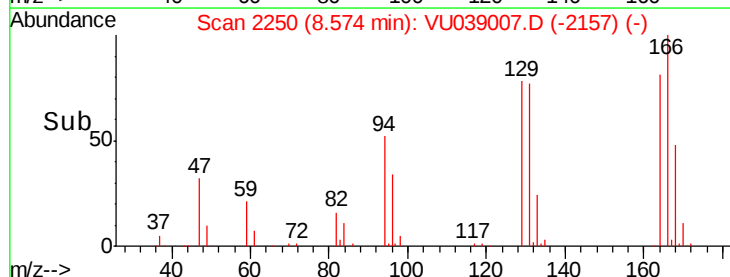
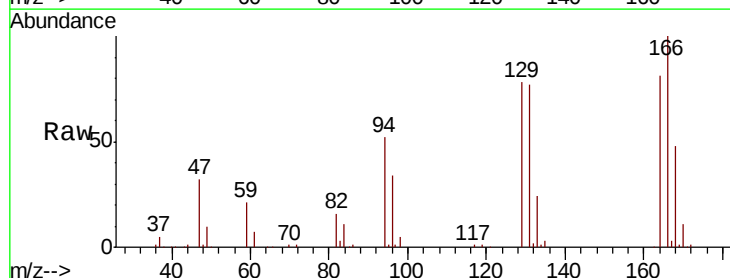
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

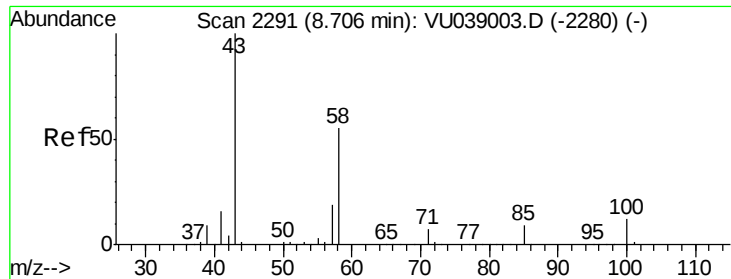
Tot Ion:	97	Resp:	86432
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.8	79.4
83	86.1	60.9	113.1
85	56.6	40.2	74.6



#47
 Tetrachloroethene
 Concen: 4.739 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion:	164	Resp:	72952
Ion	Ratio	Lower	Upper
164	100		
129	95.4	69.2	128.6
131	95.4	66.9	124.3
166	123.1	93.0	172.8

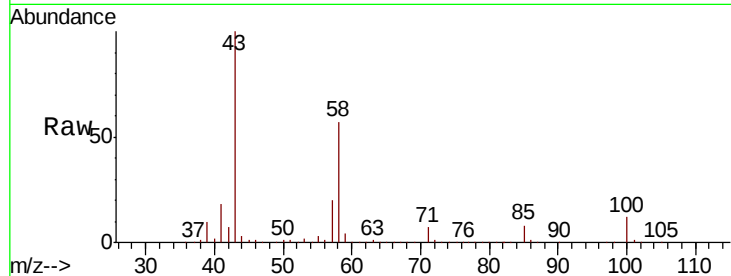




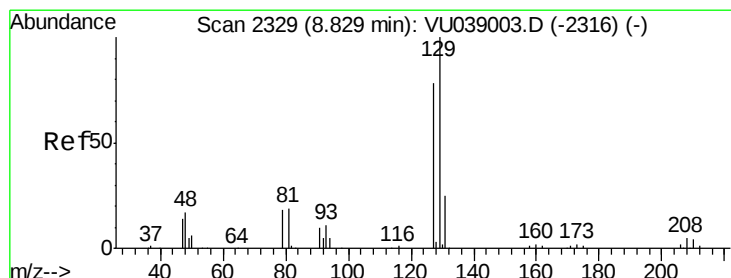
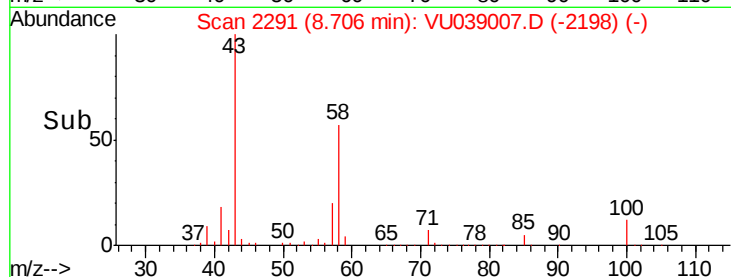
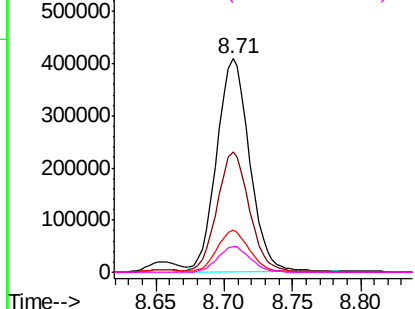
#48
2-Hexanone
Concen: 52.566 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 43 Resp: 685004
Ion Ratio Lower Upper
43 100
58 55.8 43.5 65.3
57 19.3 15.0 22.4
100 12.1 9.4 14.2

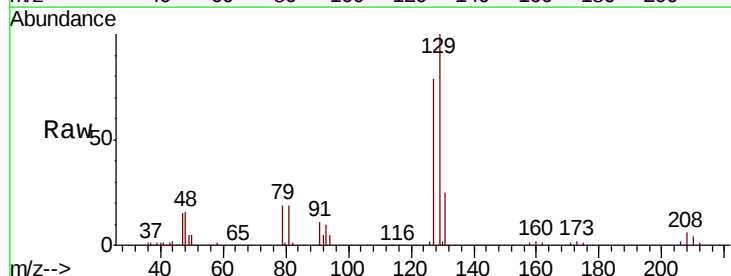


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

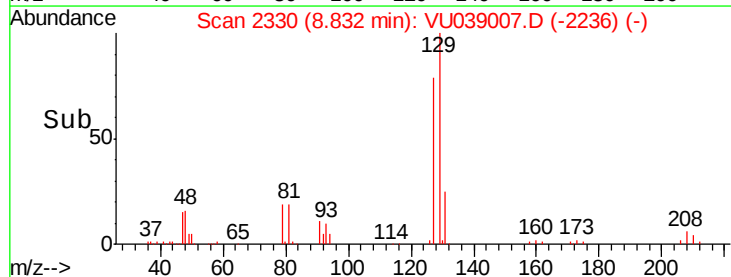
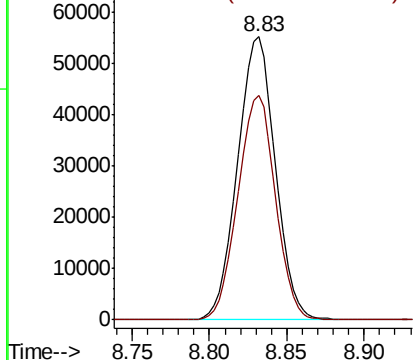


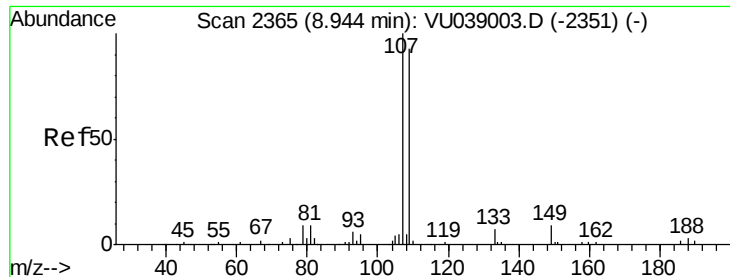
#49
Dibromochloromethane
Concen: 4.910 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Tgt Ion: 129 Resp: 93929
Ion Ratio Lower Upper
129 100
127 79.5 54.7 101.5



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

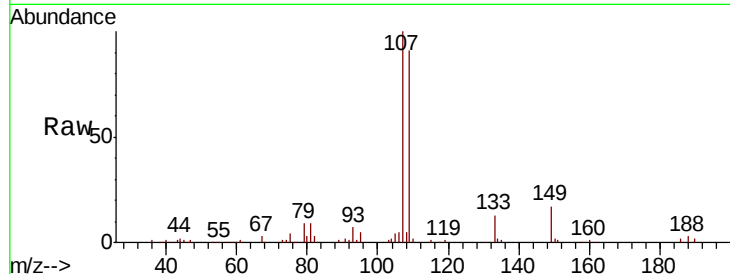




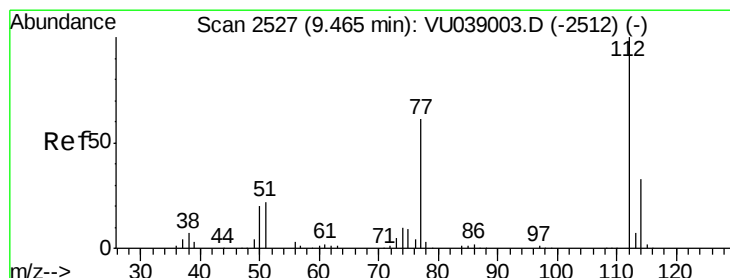
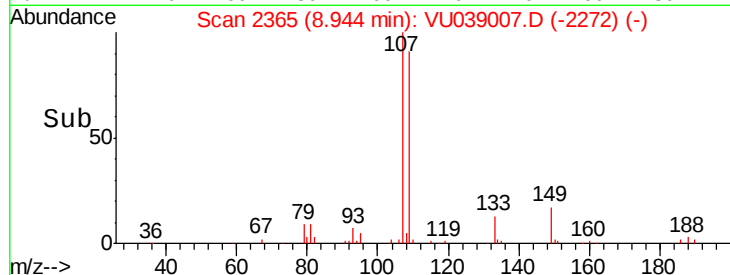
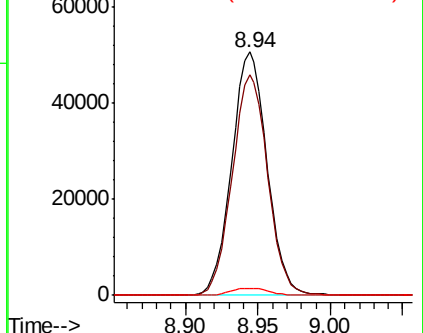
#50
1,2-Dibromoethane
Concen: 5.201 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:107 Resp: 85347
Ion Ratio Lower Upper
107 100
109 90.8 65.0 120.6
188 2.9 2.2 3.2

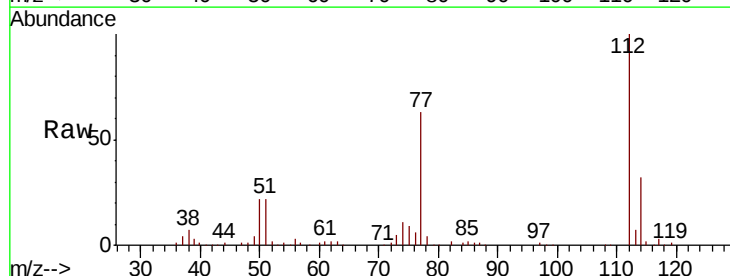


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

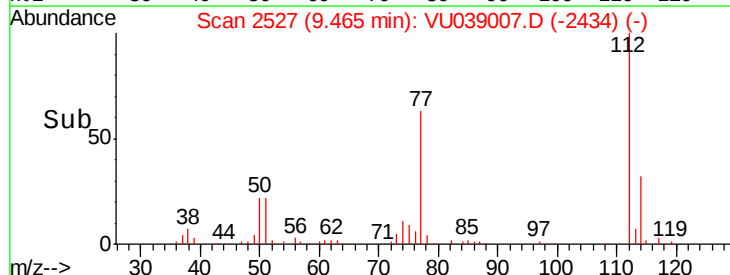
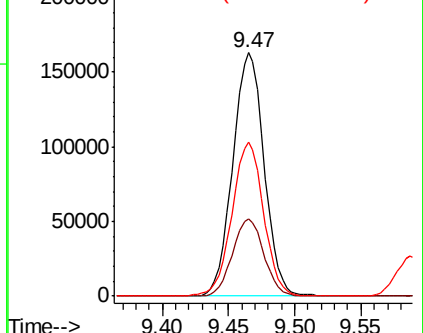


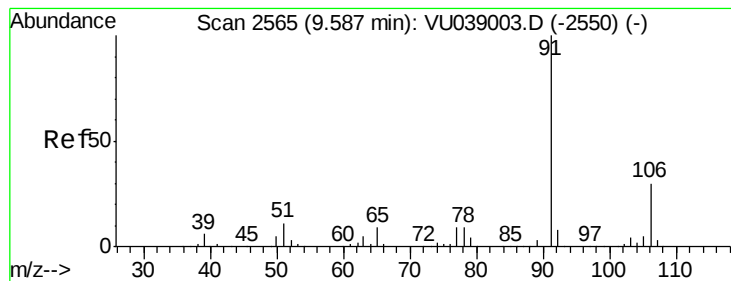
#51
Chlorobenzene
Concen: 4.774 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Tgt Ion:112 Resp: 268449
Ion Ratio Lower Upper
112 100
114 31.7 23.0 42.8
77 63.0 49.2 73.8



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





#52

Ethylbenzene

Concen: 4.778 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

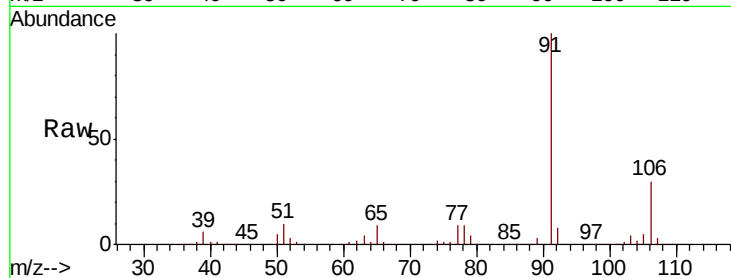
VSTD00510

Tot Ion: 91 Resp: 450759

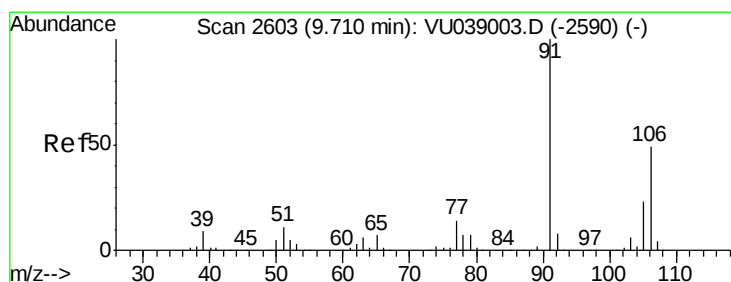
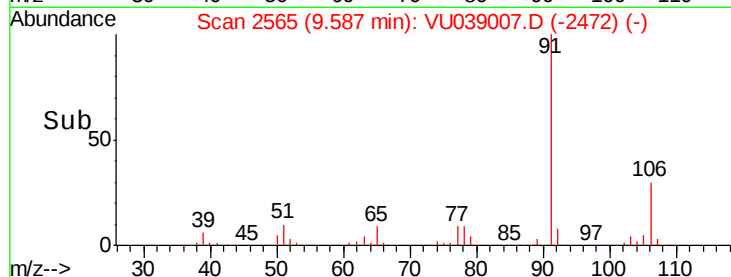
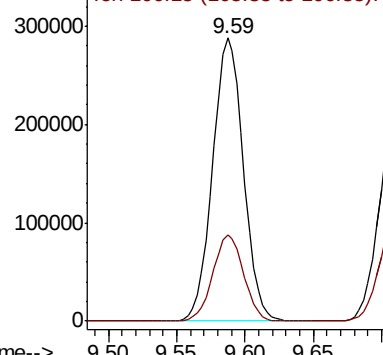
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU039007.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.935 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039007.D

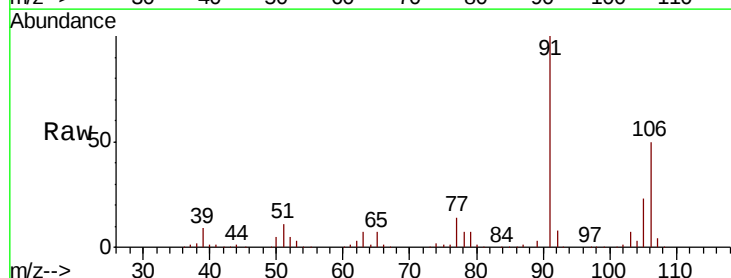
Acq: 22 Jun 2020 15:56

Tgt Ion: 106 Resp: 176064

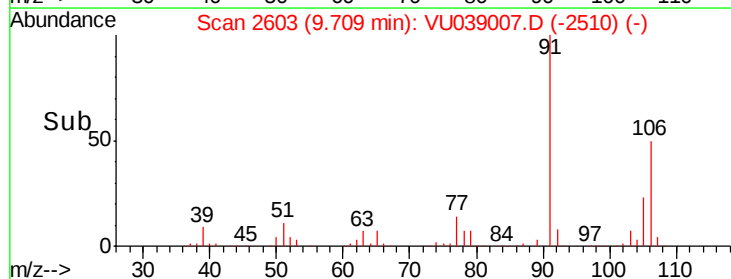
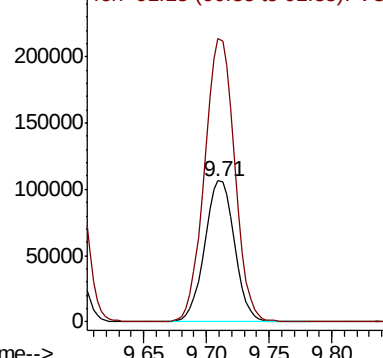
Ion Ratio Lower Upper

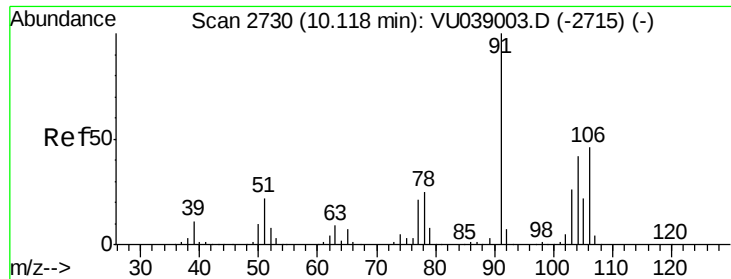
106 100

91 200.6 144.4 268.2



Abundance Ion 106.15 (105.85 to 106.85): VU039007.D (-2590) (-)

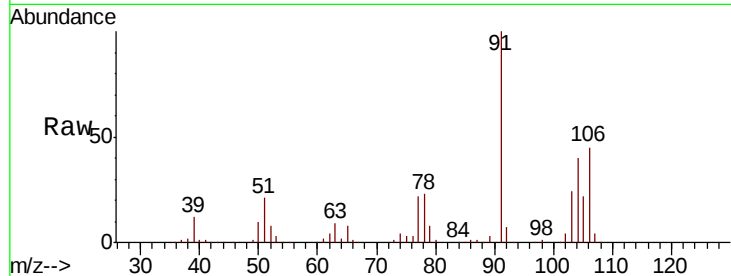




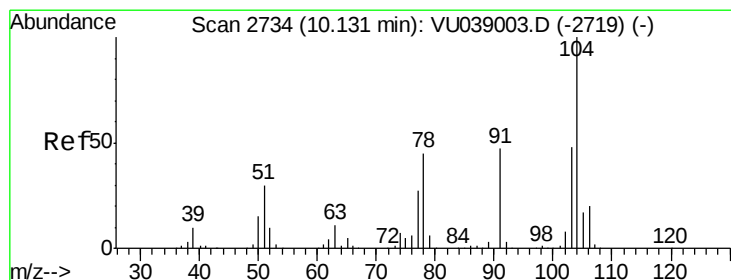
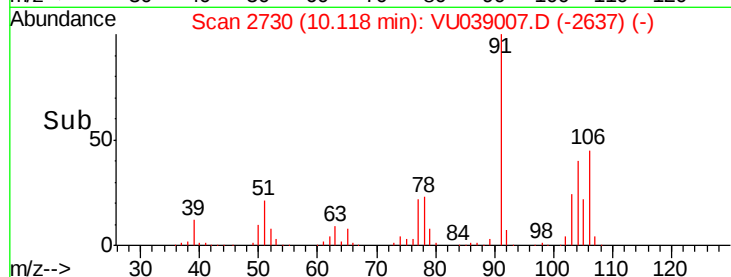
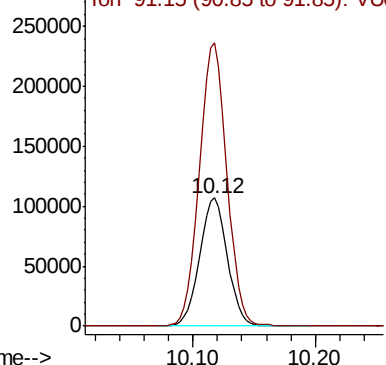
#54
o-Xylene
Concen: 5.005 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 169719
Ion Ratio Lower Upper
106 100
91 220.5 153.3 284.7

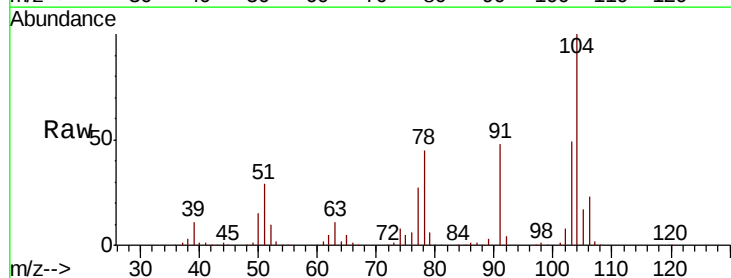


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

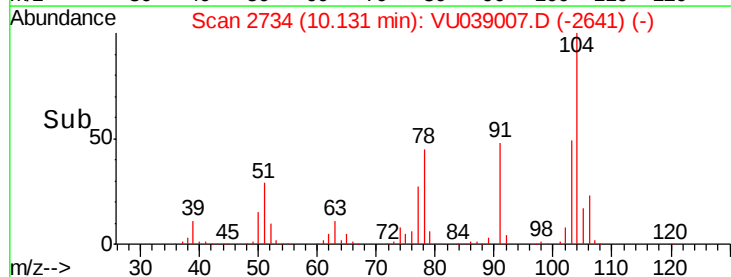
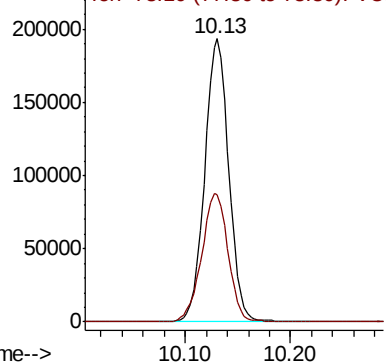


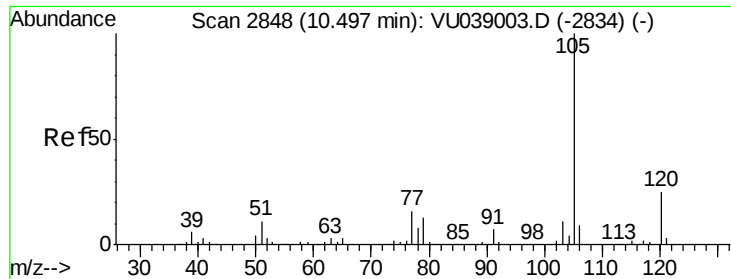
#55
Styrene
Concen: 5.209 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU039007.D
Acq: 22 Jun 2020 15:56

Tgt Ion:104 Resp: 303793
Ion Ratio Lower Upper
104 100
78 45.1 31.9 59.2



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





#56

Isopropylbenzene

Concen: 4.867 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

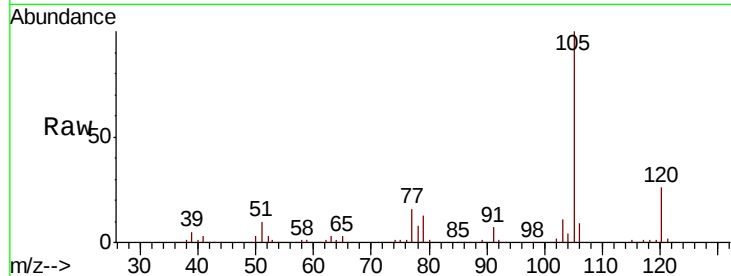
Tot Ion:105 Resp: 436970

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

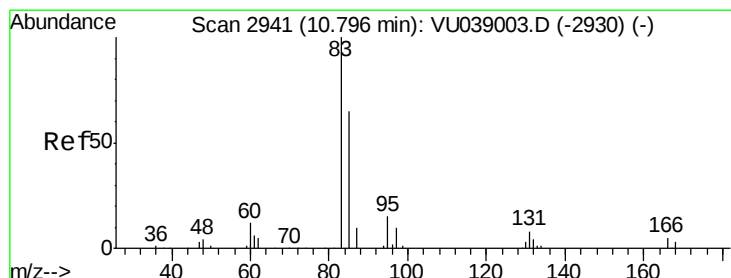
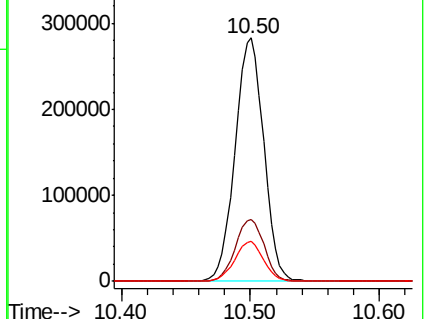
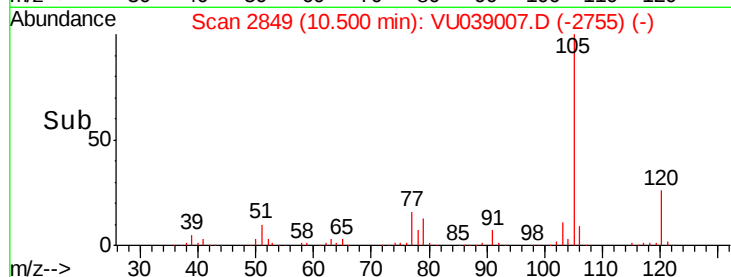
77 16.3 13.0 19.4



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: 4.886 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

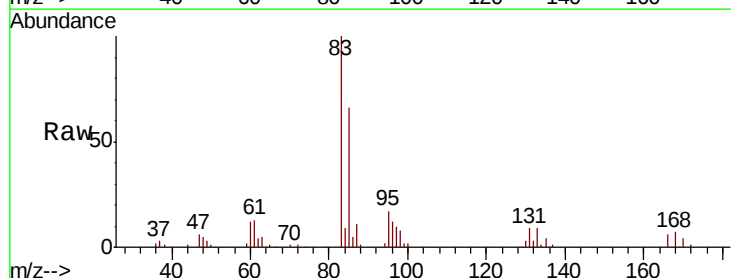
Tgt Ion: 83 Resp: 112185

Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

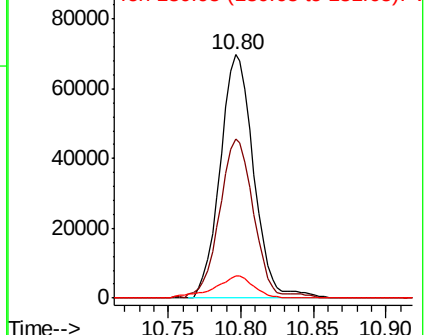
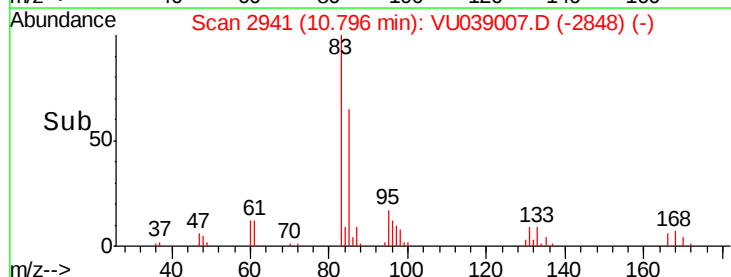
131 9.1 7.6 11.4

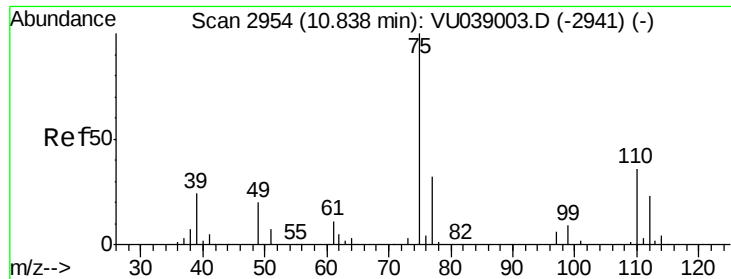


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.081 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

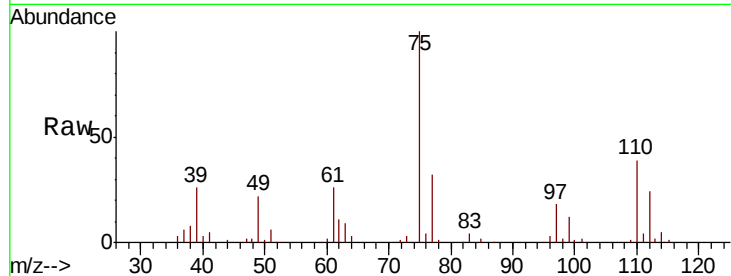
VSTD00510

Tot Ion: 75 Resp: 88097

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU039003.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039003.D (-2941) (-)

10.84

60000

50000

40000

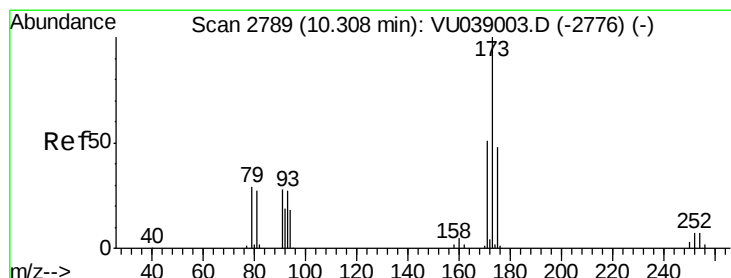
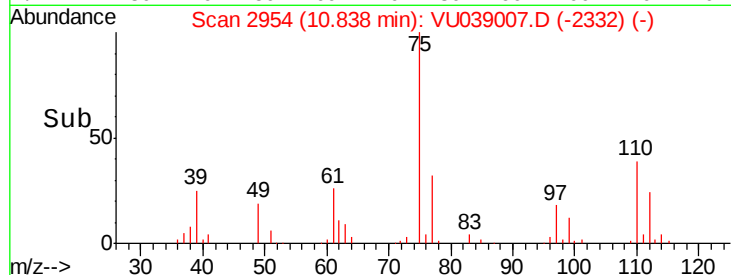
30000

20000

10000

0

Time-->



#61

Bromoform

Concen: 4.901 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

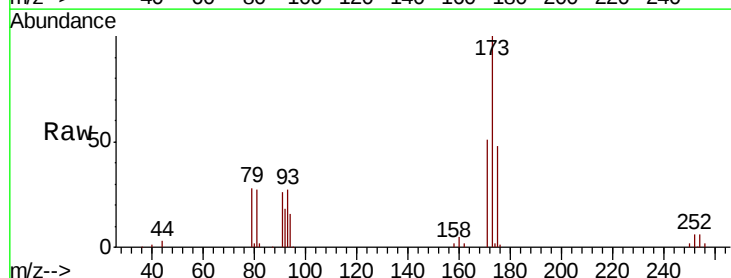
Tgt Ion: 173 Resp: 53519

Ion Ratio Lower Upper

173 100

175 48.4 38.1 57.1

254 6.7 4.8 7.2



Abundance Ion 172.90 (172.60 to 173.60): VU039003.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU039003.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU039003.D (-2776) (-)

10.31

40000

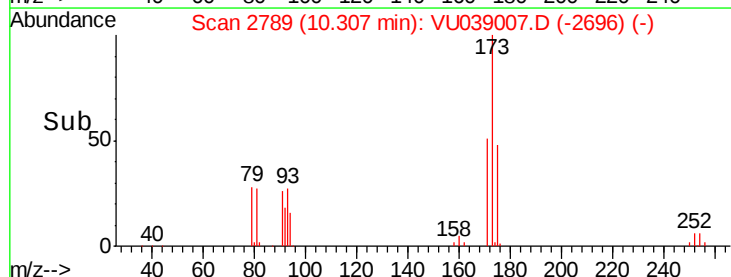
30000

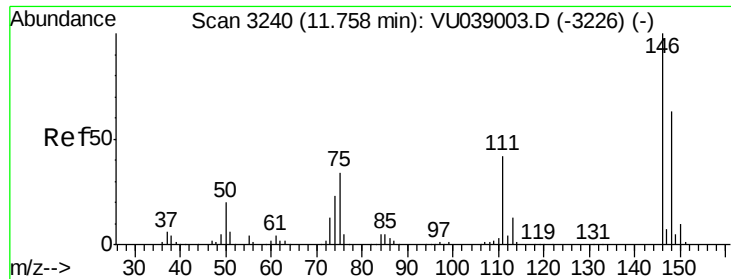
20000

10000

0

Time-->

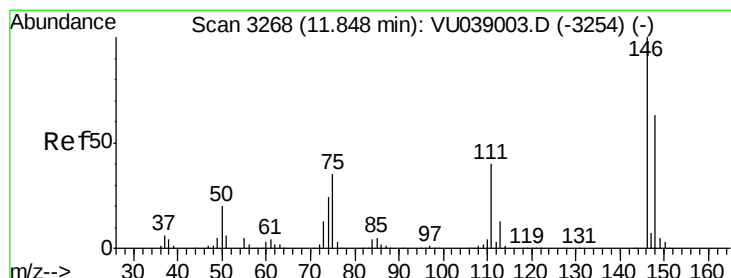
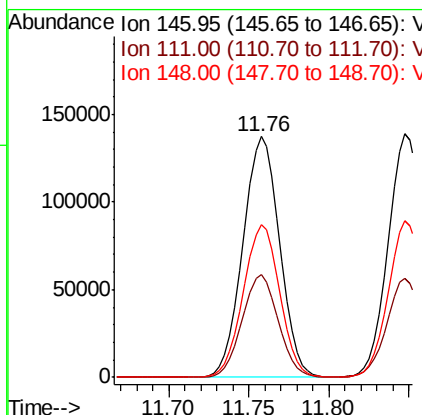
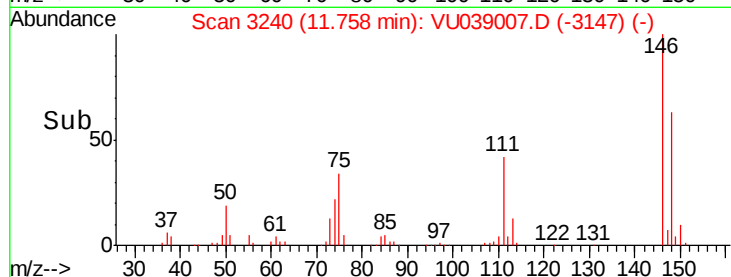
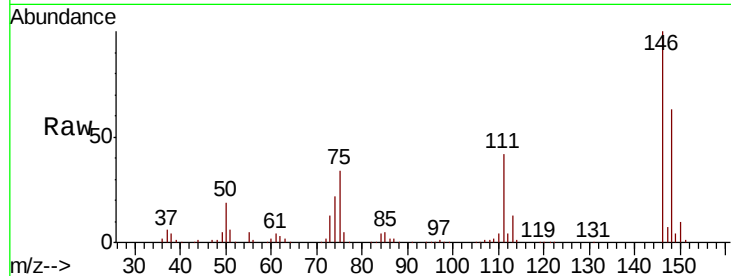




#62
 1,3-Dichlorobenzene
 Concen: 4.793 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

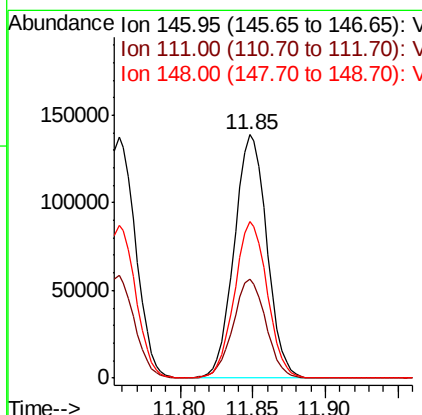
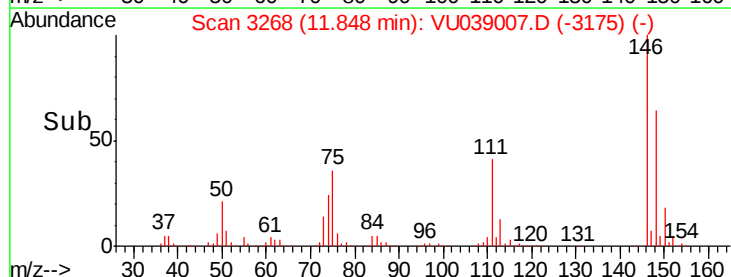
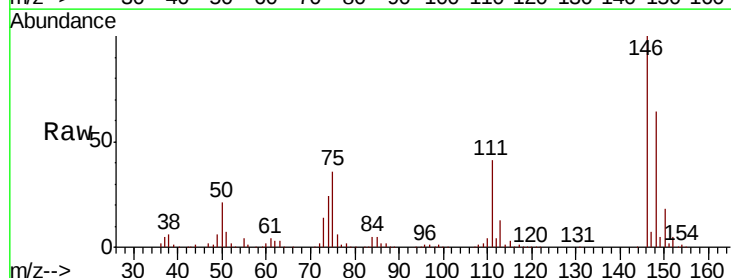
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

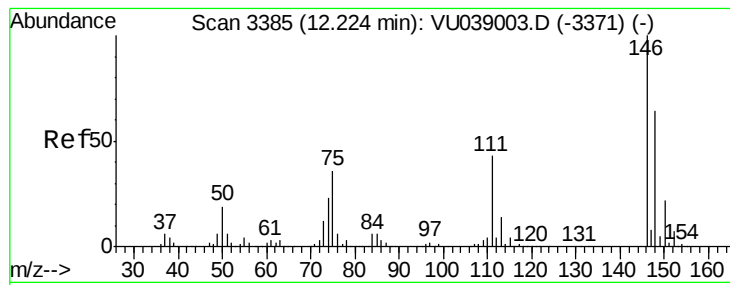
Tot Ion:146 Resp: 214213
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.3 54.5
 148 63.4 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.734 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion:146 Resp: 217144
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.9 51.7
 148 64.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.800 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

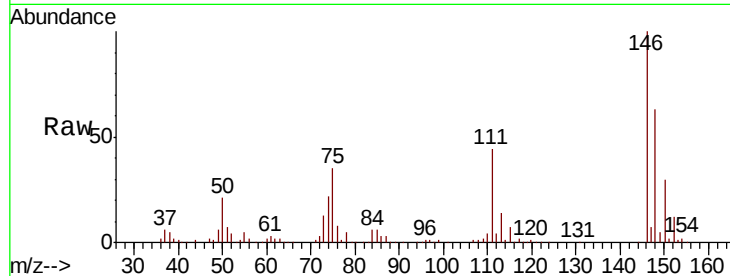
Tot Ion:146 Resp: 208525

Ion Ratio Lower Upper

146 100

111 43.7 34.2 51.2

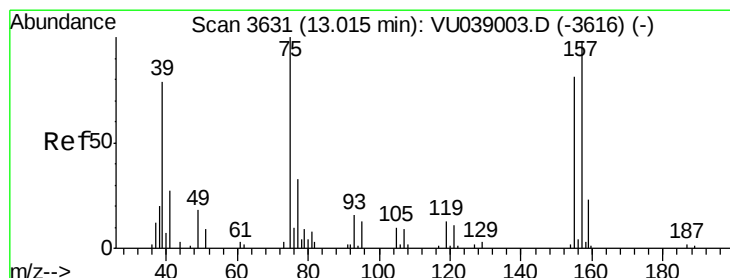
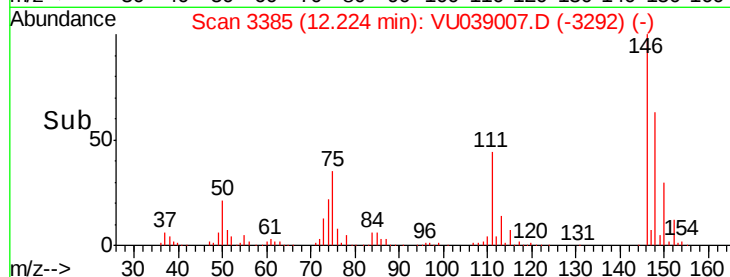
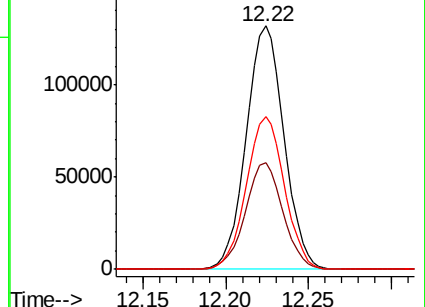
148 62.5 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.883 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

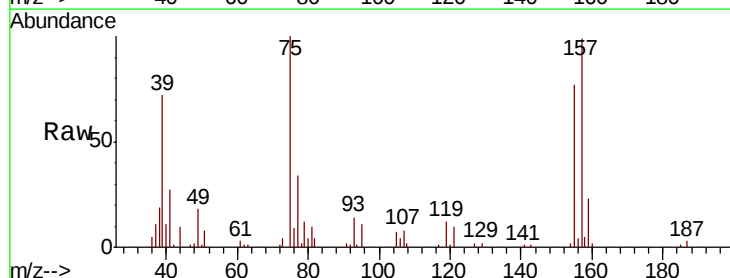
Tgt Ion: 75 Resp: 19179

Ion Ratio Lower Upper

75 100

155 77.4 64.5 96.7

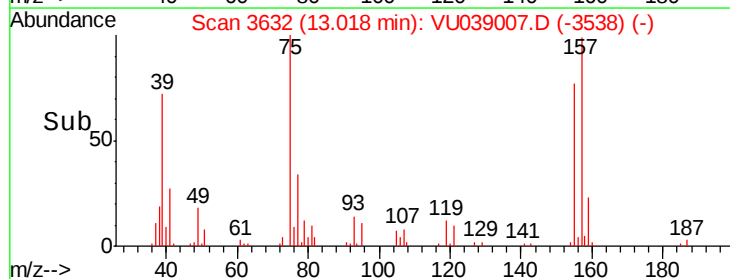
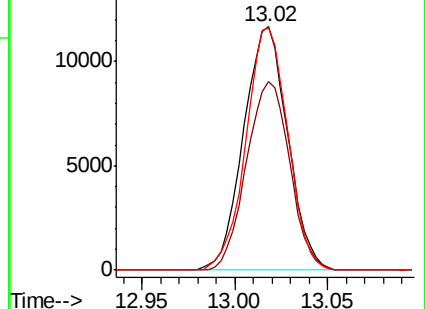
157 99.4 78.2 117.2

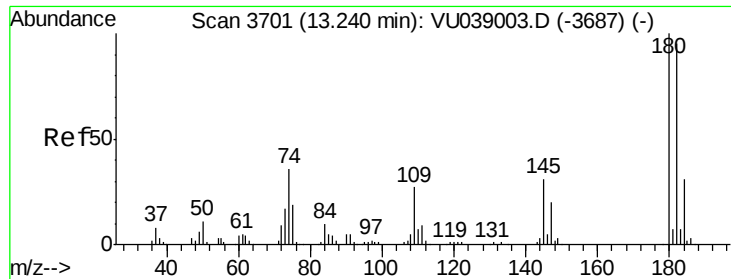


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

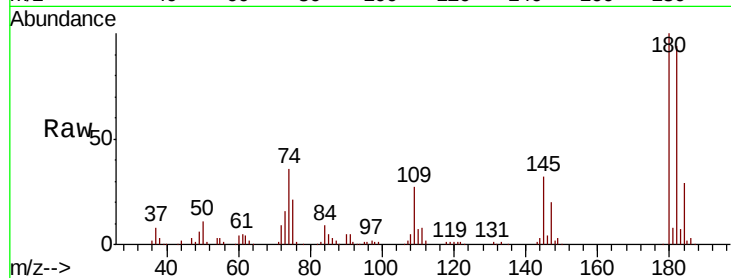




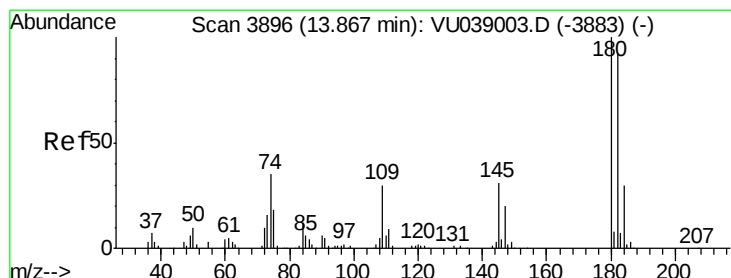
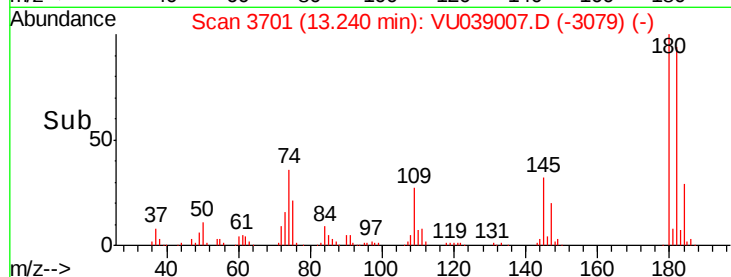
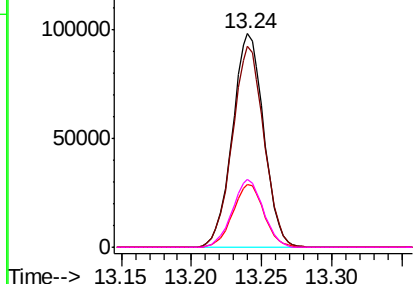
#67
 1,3,5-Trichlorobenzene
 Concen: 4.730 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00510

Tot Ion:	180	Resp:	152082
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.2	115.8
184	29.2	24.8	37.2
145	31.3	24.6	37.0

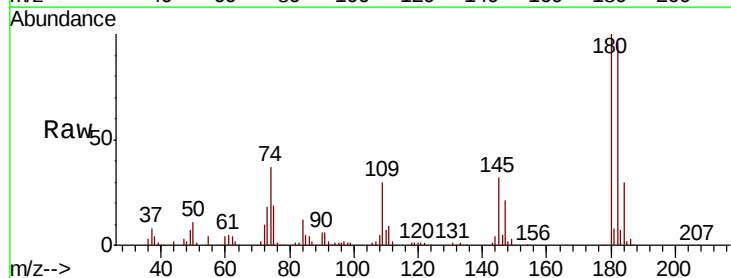


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

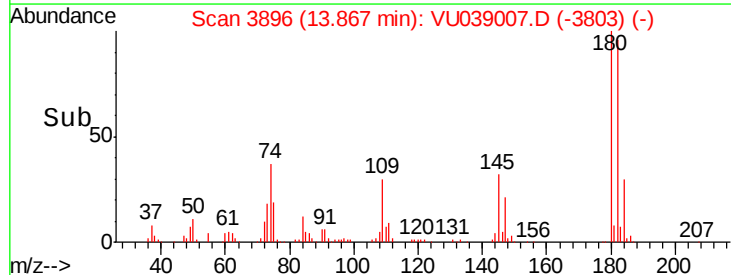
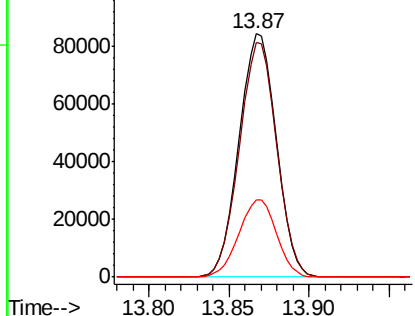


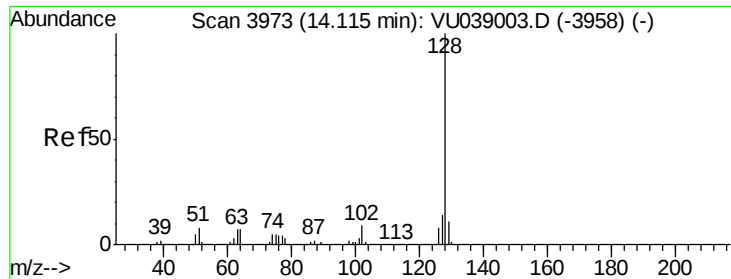
#68
 1,2,4-trichlorobenzene
 Concen: 4.867 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU039007.D
 Acq: 22 Jun 2020 15:56

Tgt Ion:	180	Resp:	134380
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
145	32.0	25.0	37.4



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: 5.222 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

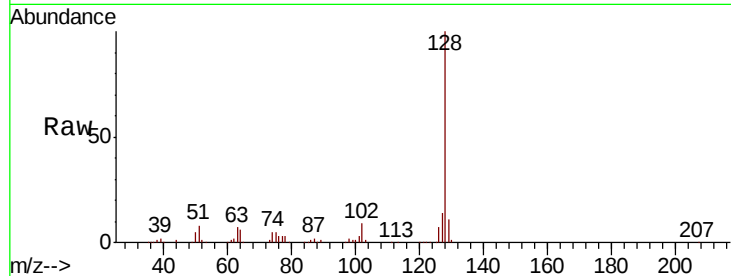
Tot Ion:128 Resp: 285725

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

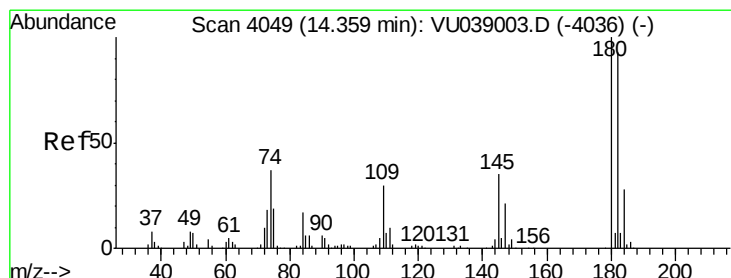
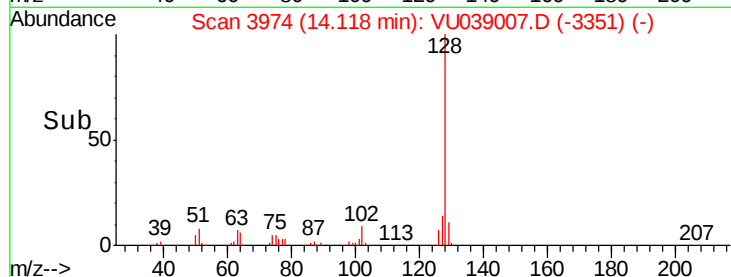
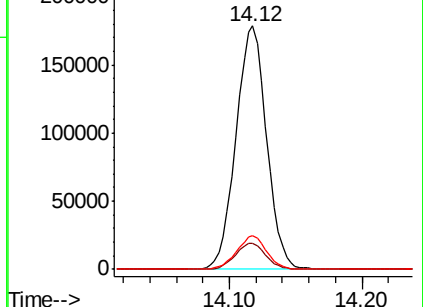
127 13.3 10.9 16.3



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: 5.062 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU039007.D

Acq: 22 Jun 2020 15:56

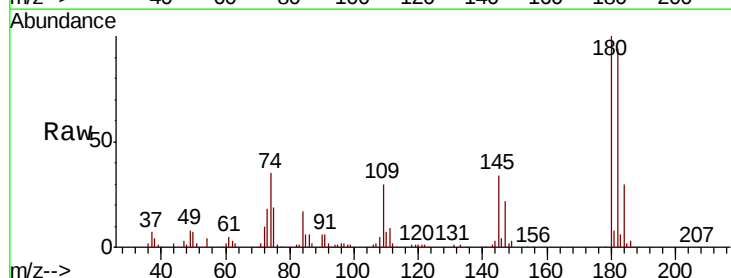
Tgt Ion:180 Resp: 131179

Ion Ratio Lower Upper

180 100

182 95.0 75.1 112.7

145 34.1 27.8 41.8



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

