

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U060520\
 Data File : VU038588.D
 Acq On : 05 Jun 2020 21:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Jun 06 02:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 06 00:12:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	282587	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	280692	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	140767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91225	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	76130	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.59	63	180648	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.40%
20) 2-Butanone-d5	4.68	46	329690	59.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.68%
24) Chloroform-d	5.11	84	196483	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	5.74	65	111701	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.76	84	381668	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.72	67	113728	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	330672	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	8.20	79	48118	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.65	63	279183	61.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.02%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103343	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	131281	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	93093	4.180	ug/L 96
3) Chloromethane	1.53	50	85597	4.185	ug/L 99
5) Vinyl chloride	1.62	62	91910	4.194	ug/L 96
6) Bromomethane	1.87	94	42683	4.012	ug/L 97
8) Chloroethane	1.95	64	59344	4.519	ug/L 99
9) Trichlorofluoromethane	2.16	101	135458	4.659	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	79593	4.649	ug/L 98
12) 1,1-Dichloroethene	2.61	96	78624	4.518	ug/L 97
13) Acetone	2.68	43	187055	51.445	ug/L 99
14) Carbon disulfide	2.82	76	221447	3.750	ug/L 99
15) Methyl Acetate	2.99	43	45924	5.156	ug/L 97
16) Methylene chloride	3.08	84	99085	5.031	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	237939	5.214	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	85755	4.572	ug/L 96
19) 1,1-Dichloroethane	3.91	63	170003	5.065	ug/L 98
21) 2-Butanone	4.76	43	329107	53.813	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	99290	4.917	ug/L 96

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 Data File : VU038588.D
 Acq On : 05 Jun 2020 21:07
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Jun 06 02:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

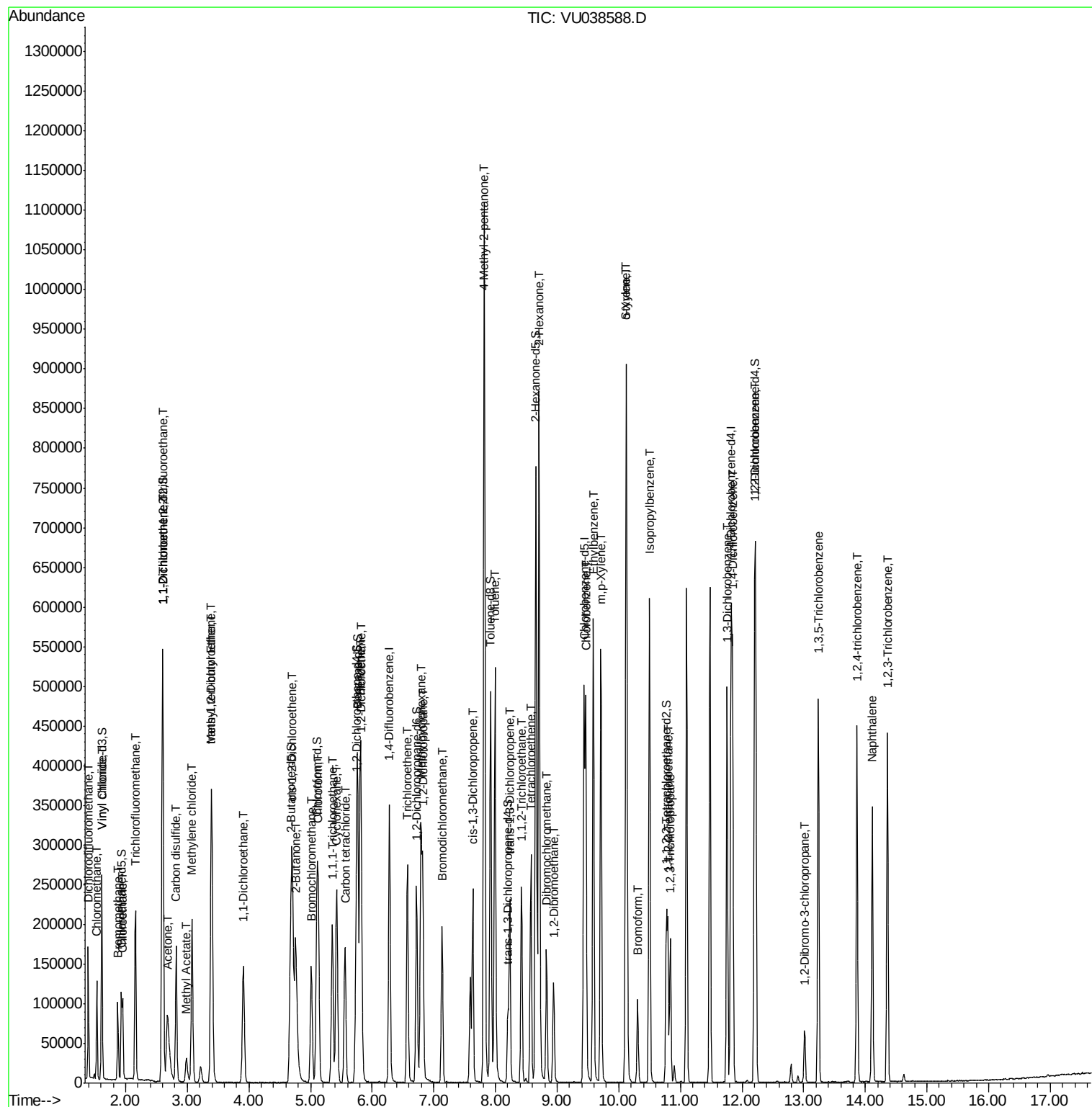
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	45608	5.018	ug/L	97
25) Chloroform	5.13	83	174602	5.121	ug/L	98
27) 1,2-Dichloroethane	5.83	62	123182	5.132	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	146358	4.928	ug/L	99
30) Cyclohexane	5.42	56	123086	3.952	ug/L	99
31) Carbon tetrachloride	5.56	117	117591	4.756	ug/L	100
33) Benzene	5.81	78	367801	4.699	ug/L	100
34) Trichloroethene	6.57	95	94898	4.671	ug/L	93
35) Methylcyclohexane	6.79	83	119283	3.792	ug/L	98
37) 1,2-Dichloropropane	6.82	63	97791	4.965	ug/L	98
38) Bromodichloromethane	7.13	83	125033	5.112	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	142240	4.886	ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	716591	50.873	ug/L	99
42) Toluene	7.99	91	385542	4.696	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	126280	4.912	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	77222	5.197	ug/L	96
47) Tetrachloroethene	8.57	164	64882	4.396	ug/L	96
48) 2-Hexanone	8.71	43	542159	50.823	ug/L	100
49) Dibromochloromethane	8.83	129	85265	5.316	ug/L	98
50) 1,2-Dibromoethane	8.94	107	72163	5.072	ug/L	98
51) Chlorobenzene	9.47	112	248874	4.701	ug/L	99
52) Ethylbenzene	9.59	91	411314	4.503	ug/L	99
53) m,p-Xylene	9.71	106	159104	4.529	ug/L	96
54) o-Xylene	10.11	106	158840	4.710	ug/L	99
55) Styrene	10.13	104	279495	4.883	ug/L	99
56) Isopropylbenzene	10.50	105	408426	4.602	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	94417	5.000	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	73637	5.009	ug/L	99
61) Bromoform	10.31	173	47219	5.385	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	199598	4.826	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	203047	4.841	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	194672	4.957	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18218	5.729	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	144730	4.690	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	132324	4.633	ug/L	99
69) Naphthalene	14.11	128	275427	4.846	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	127915	4.922	ug/L	97

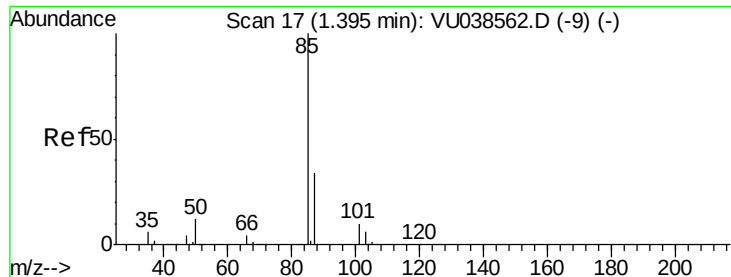
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU038588.D
Acq On : 05 Jun 2020 21:07
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Quant Time: Jun 06 02:31:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.180 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

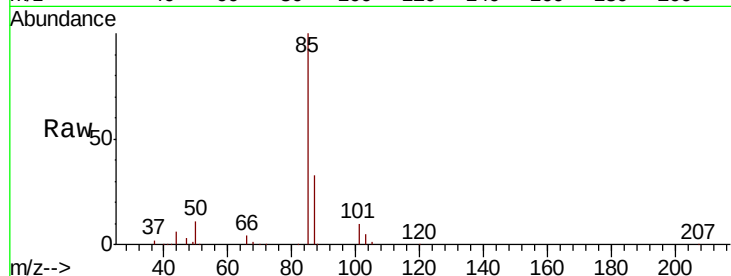
VSTD00512

Tot Ion: 85 Resp: 93093

Ion Ratio Lower Upper

85 100

87 33.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038562.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038562.D (-9) (-)

1.39

100000

80000

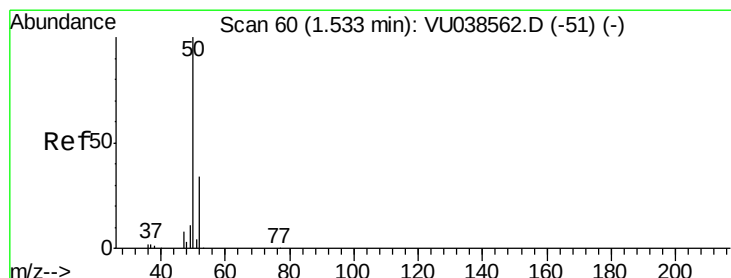
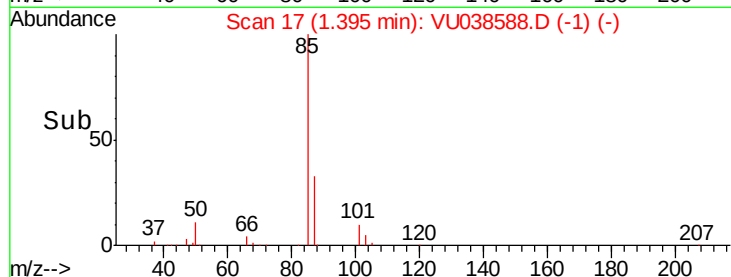
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.185 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038588.D

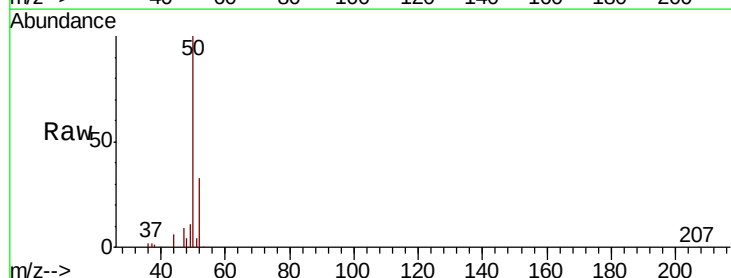
Acq: 05 Jun 2020 21:07

Tgt Ion: 50 Resp: 85597

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038562.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038562.D (-51) (-)

1.53

80000

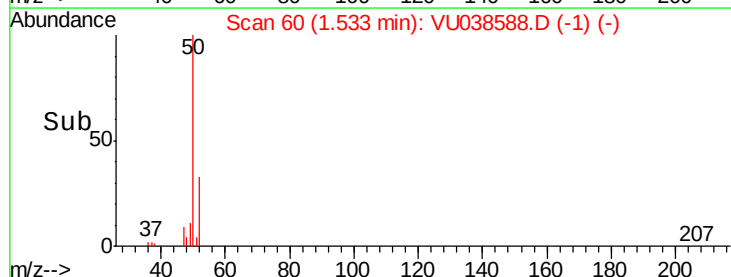
60000

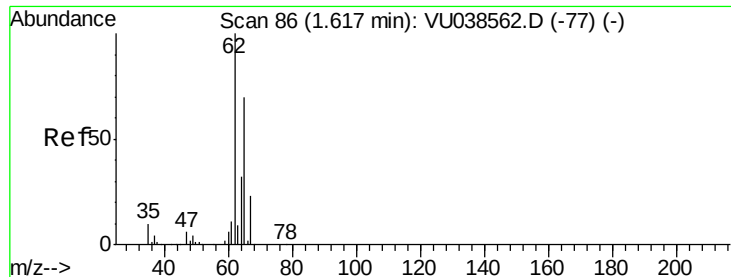
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.194 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

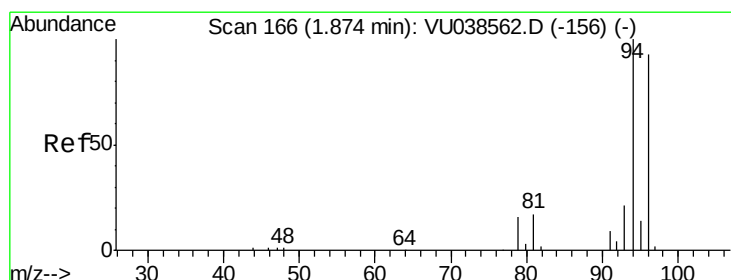
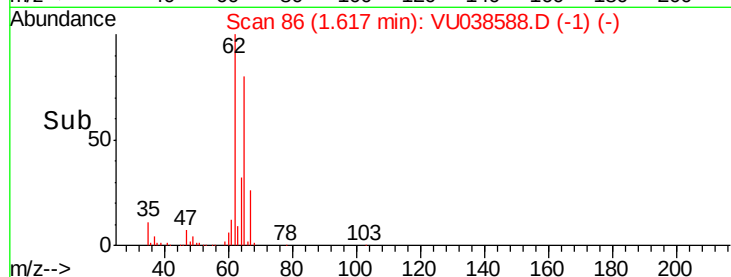
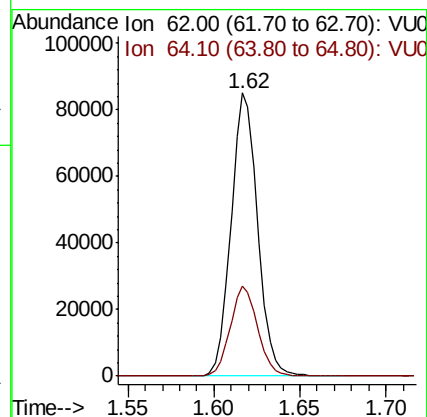
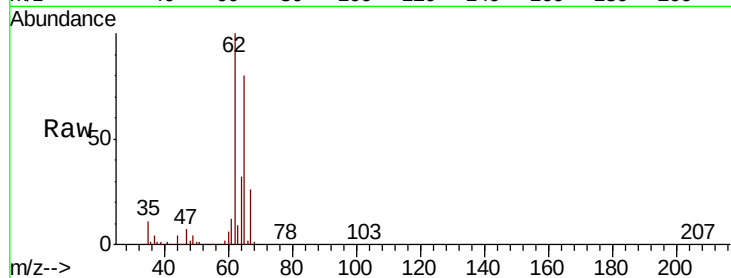
VSTD00512

Tot Ion: 62 Resp: 91910

Ion Ratio Lower Upper

62 100

64 31.6 23.7 43.9



#6

Bromomethane

Concen: 4.012 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038588.D

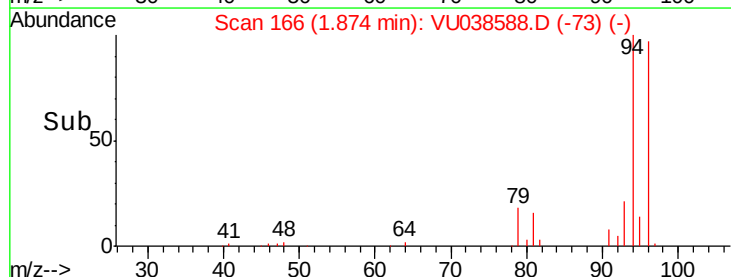
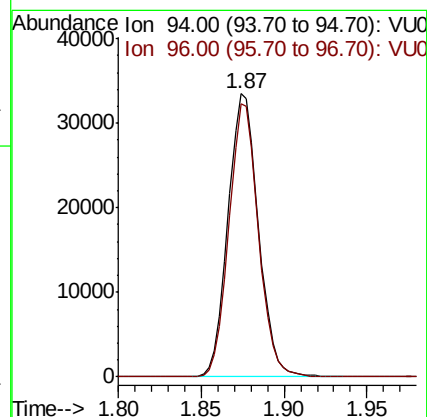
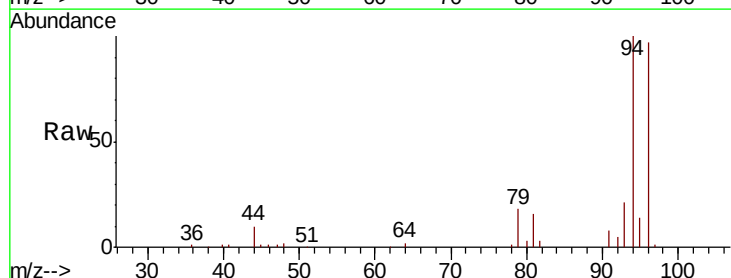
Acq: 05 Jun 2020 21:07

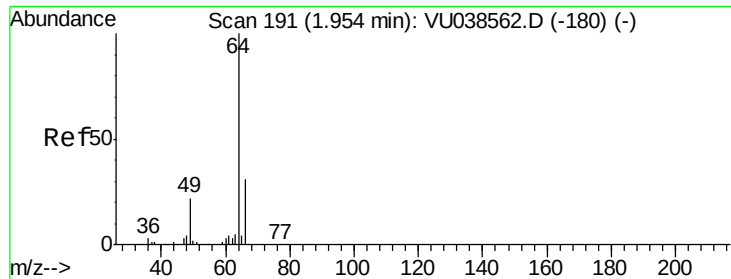
Tgt Ion: 94 Resp: 42683

Ion Ratio Lower Upper

94 100

96 96.5 65.5 121.6





#8

Chloroethane

Concen: 4.519 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

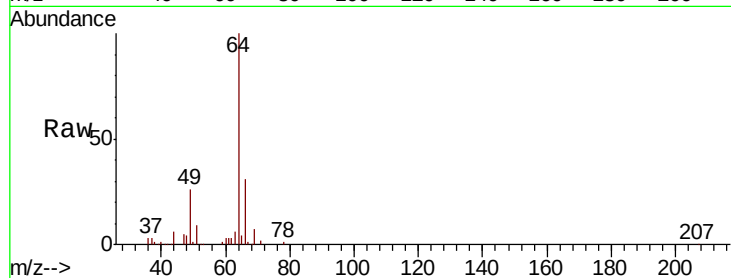
VSTD00512

Tot Ion: 64 Resp: 59344

Ion Ratio Lower Upper

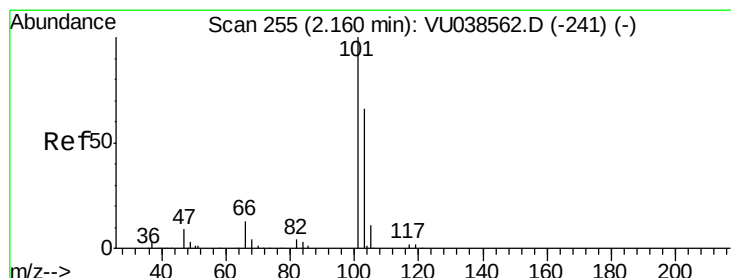
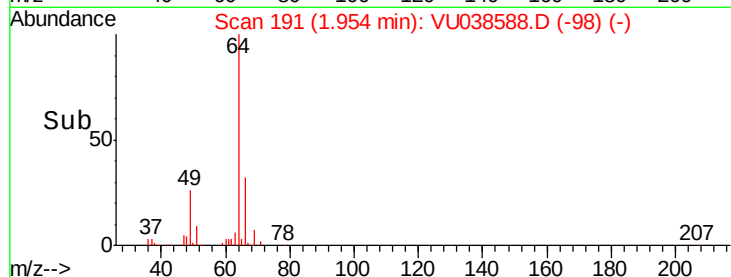
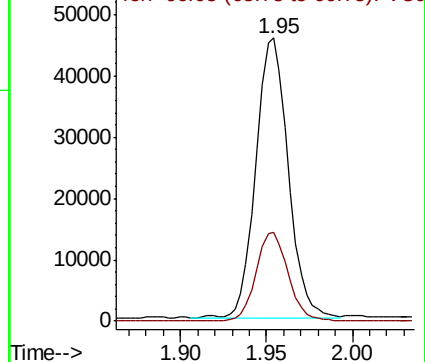
64 100

66 31.4 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038588.D (-98) (-)

Ion 66.05 (65.75 to 66.75): VU038588.D (-98) (-)



#9

Trichlorofluoromethane

Concen: 4.659 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038588.D

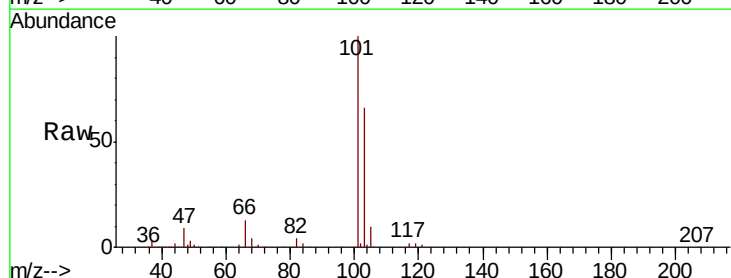
Acq: 05 Jun 2020 21:07

Tgt Ion: 101 Resp: 135458

Ion Ratio Lower Upper

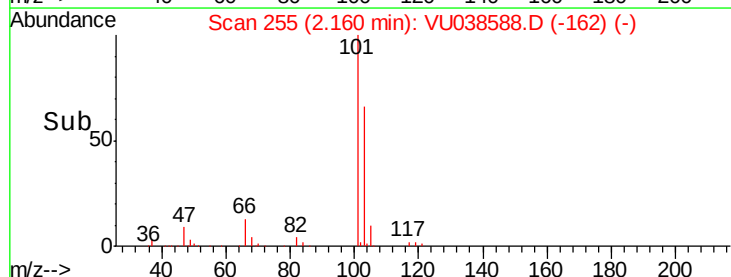
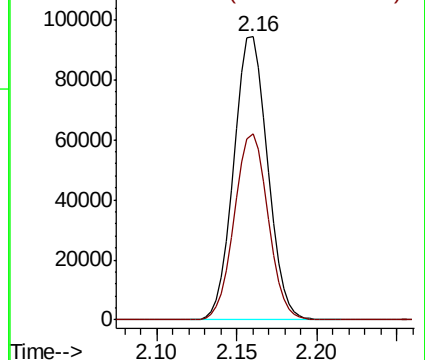
101 100

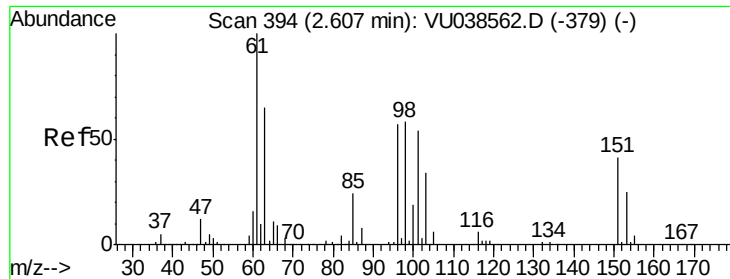
103 65.7 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038588.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU038588.D (-162) (-)





#10

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

Concen: 4.649 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

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VSTD00512

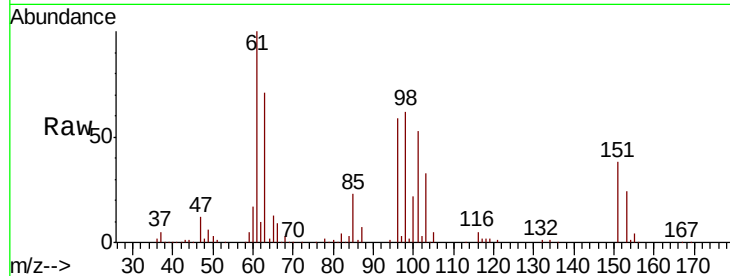
Tot Ion:101 Resp: 79593

Ion Ratio Lower Upper

101 100

85 44.4 34.0 51.0

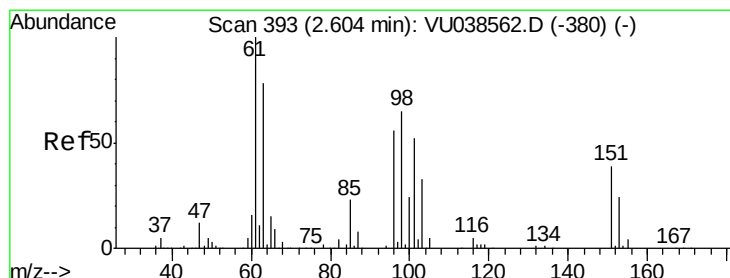
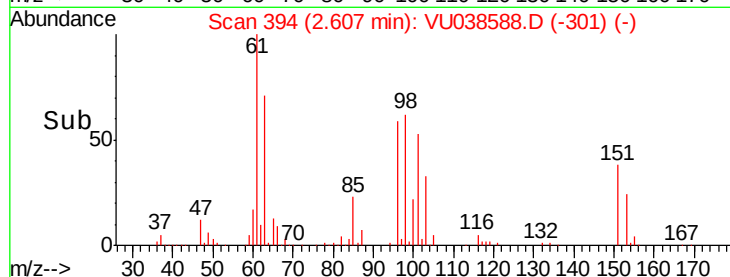
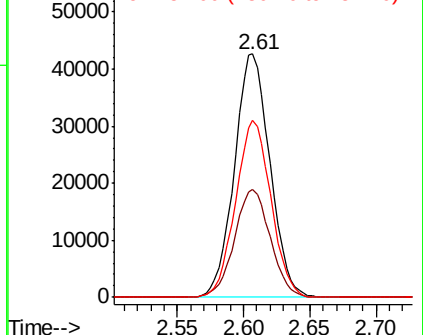
151 71.9 56.9 85.3



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: 4.518 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

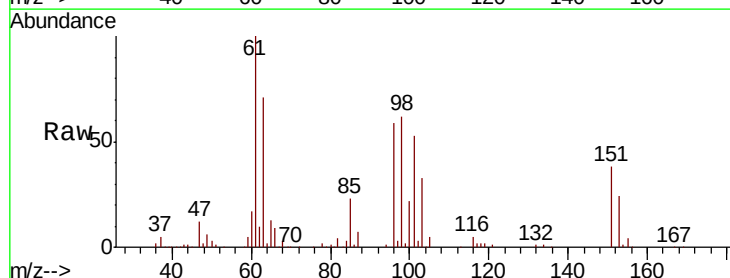
Tgt Ion: 96 Resp: 78624

Ion Ratio Lower Upper

96 100

61 170.4 119.9 222.7

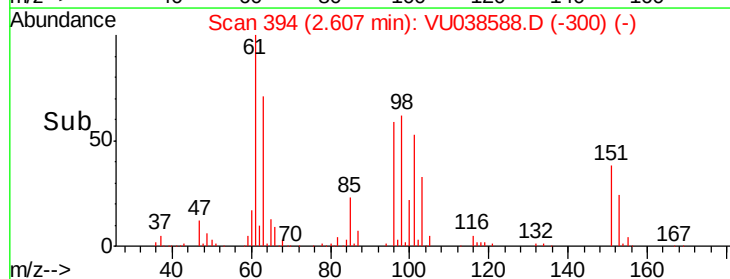
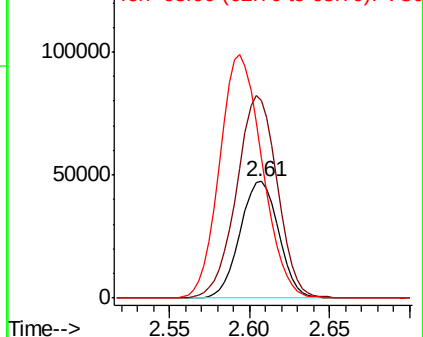
63 120.3 89.9 167.0

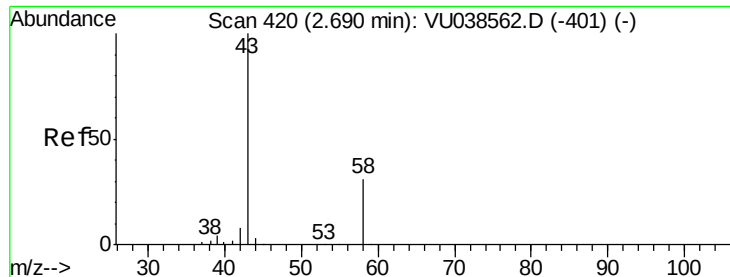


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.445 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

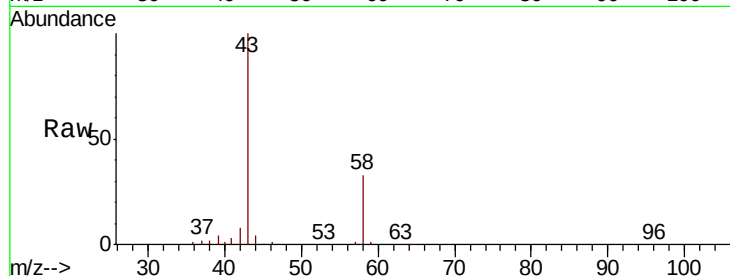
VSTD00512

Tot Ion: 43 Resp: 187055

Ion Ratio Lower Upper

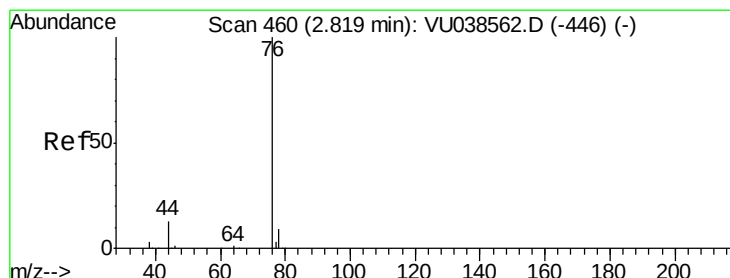
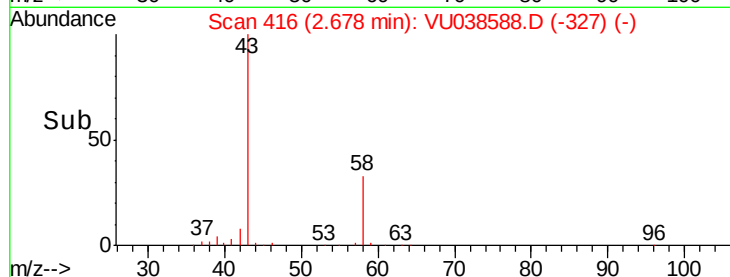
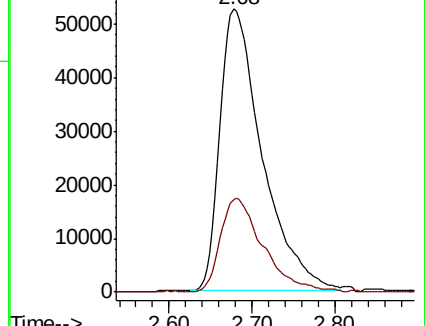
43 100

58 33.6 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038562.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038562.D (-401) (-)



#14

Carbon disulfide

Concen: 3.750 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038588.D

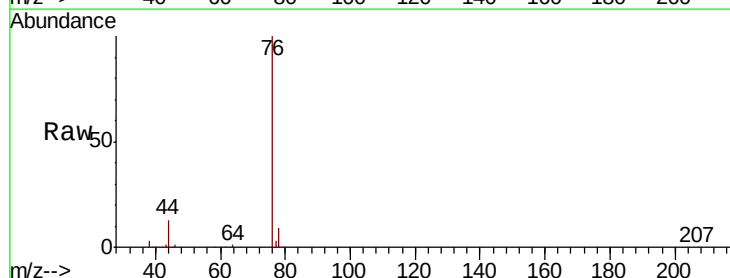
Acq: 05 Jun 2020 21:07

Tgt Ion: 76 Resp: 221447

Ion Ratio Lower Upper

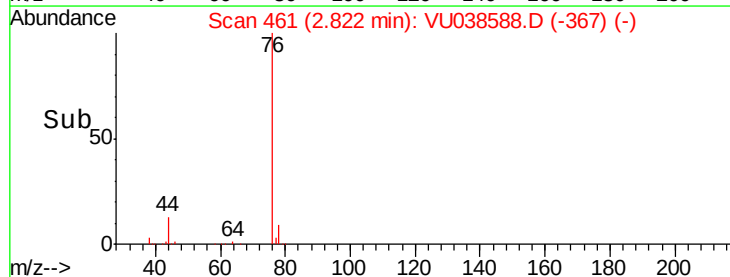
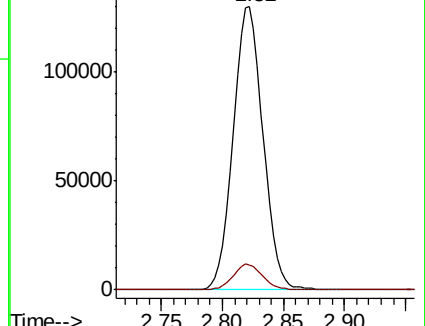
76 100

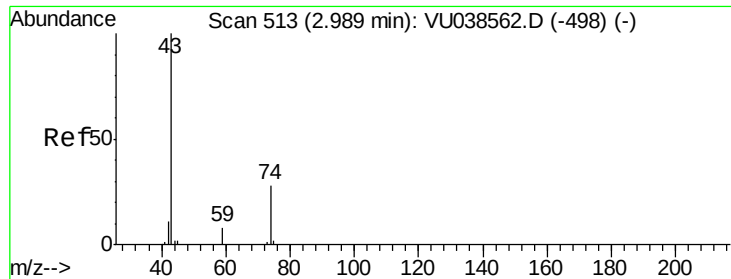
78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038562.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038562.D (-446) (-)

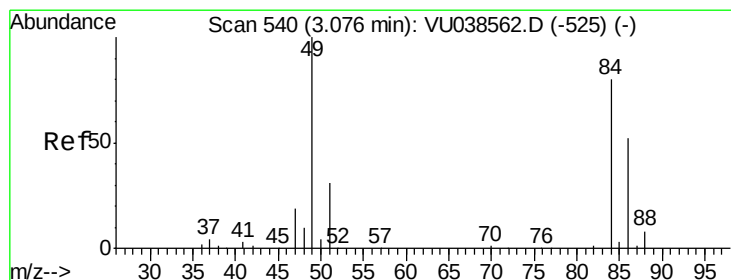
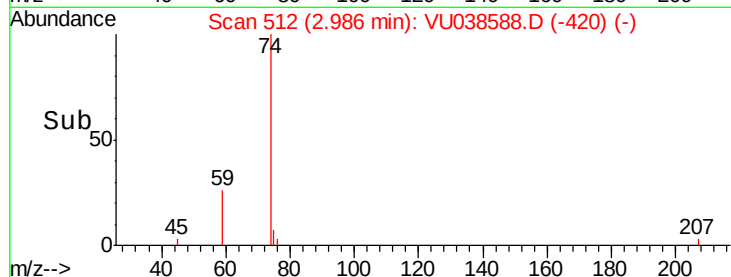
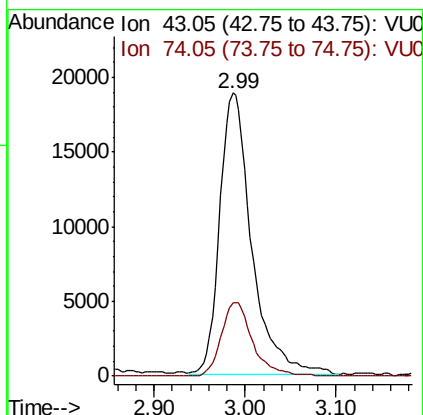
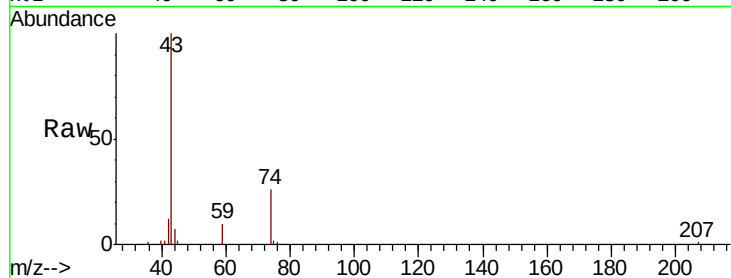




#15
Methvl Acetate
Concen: 5.156 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

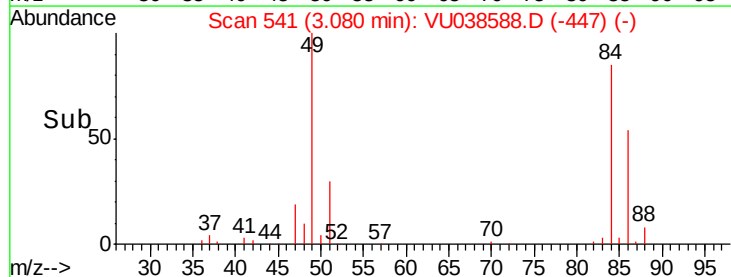
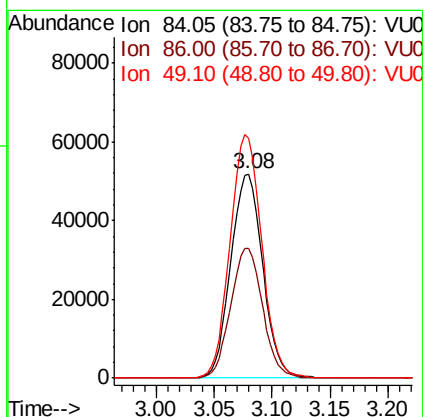
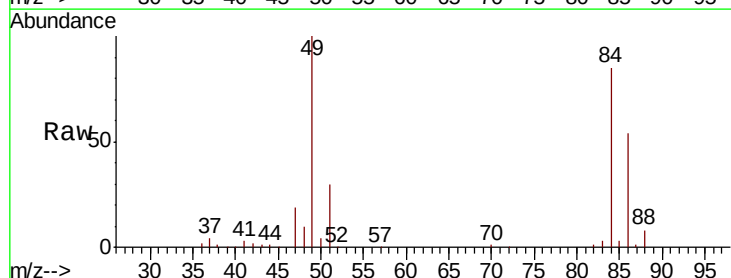
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

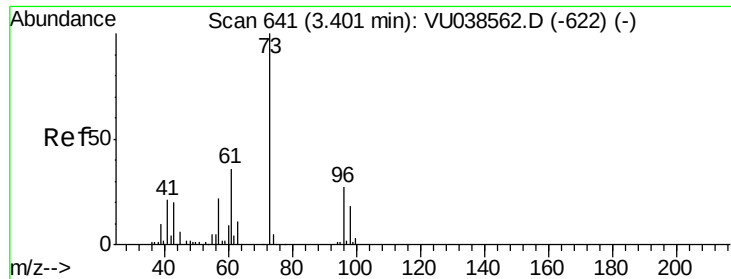
Tot Ion: 43 Resp: 45924
Ion Ratio Lower Upper
43 100
74 25.4 19.2 28.8



#16
Methylene chloride
Concen: 5.031 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion: 84 Resp: 99085
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 117.5 85.5 158.9

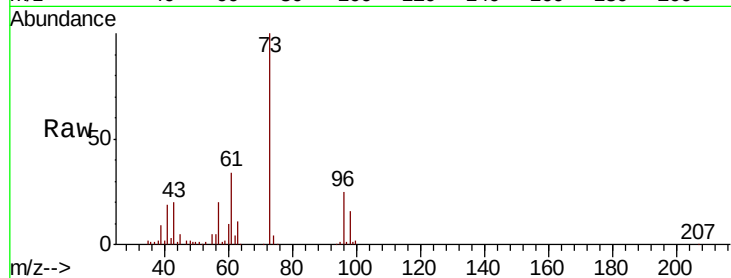




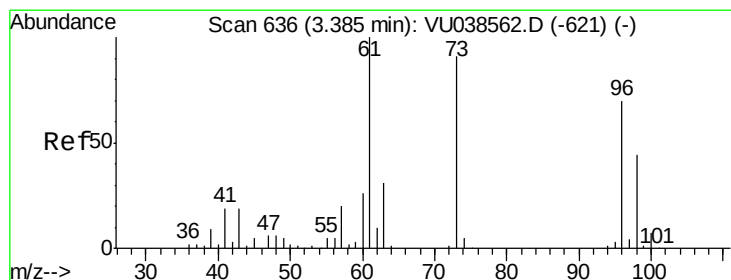
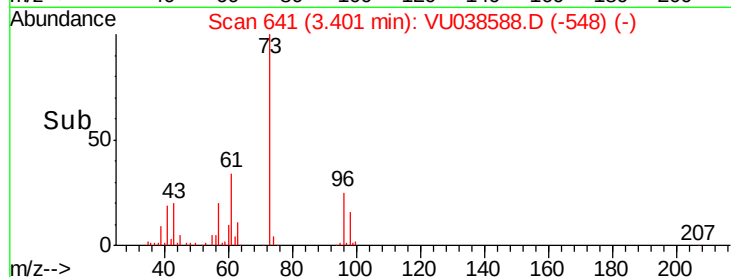
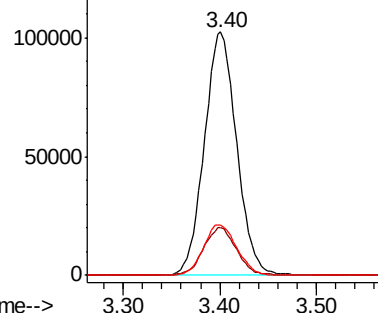
#17
Methyl tert-butyl Ether
Concen: 5.214 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 73 Resp: 237939
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 21.4 17.8 26.6

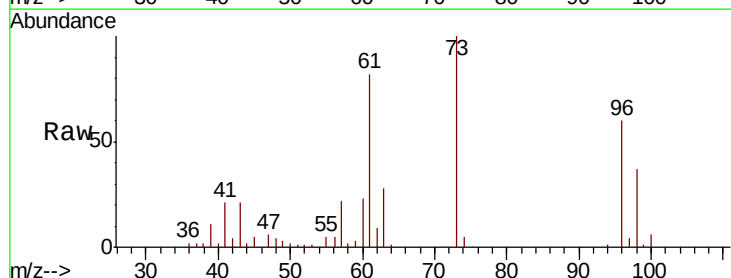


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

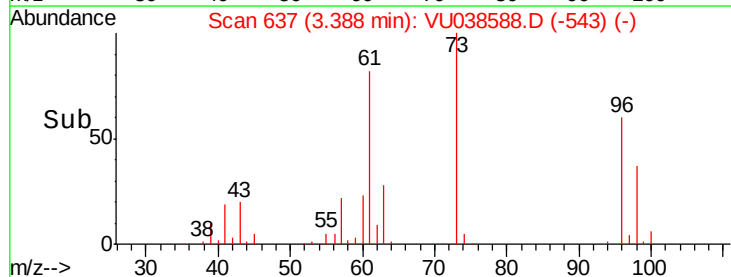
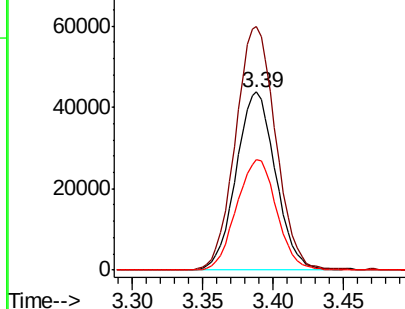


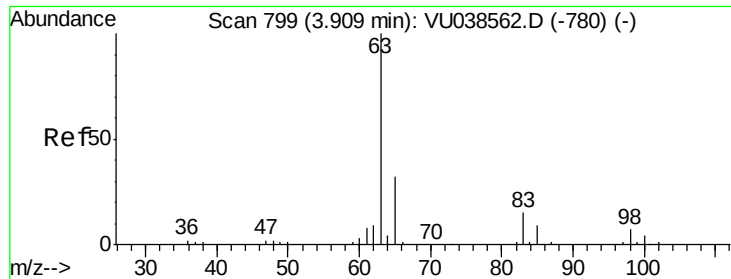
#18
trans-1,2-Dichloroethene
Concen: 4.572 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion: 96 Resp: 85755
Ion Ratio Lower Upper
96 100
61 136.8 100.2 186.0
98 61.8 42.8 79.4



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

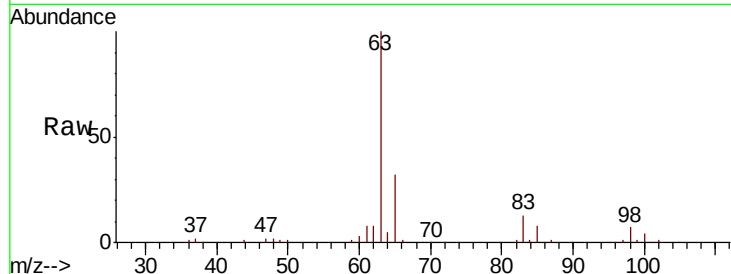




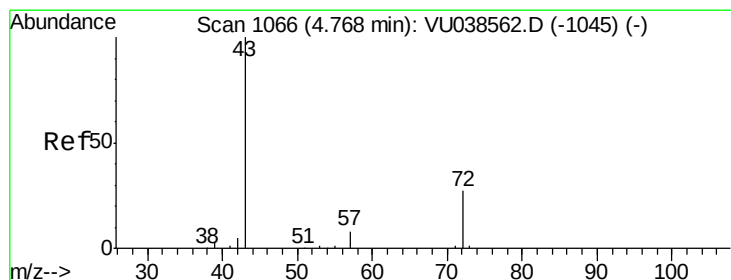
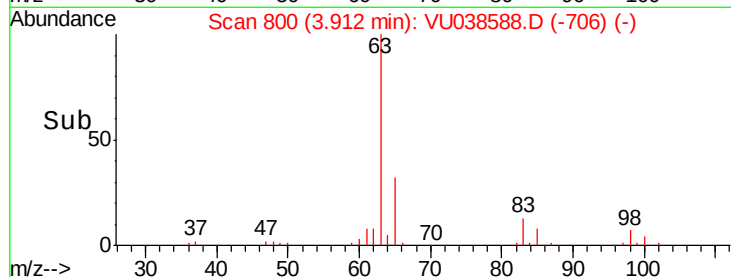
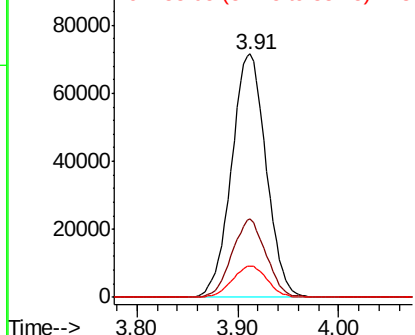
#19
 1,1-Dichloroethane
 Concen: 5.065 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 63 Resp: 170003
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.3 41.5
 83 12.9 10.4 19.4

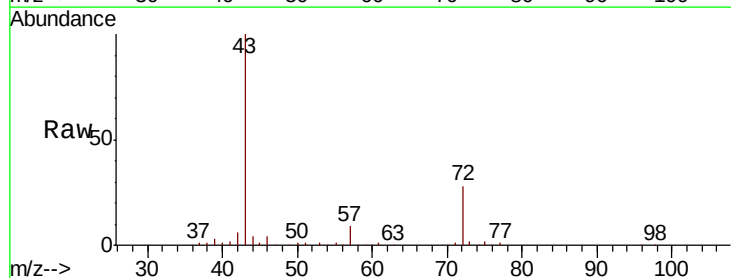


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

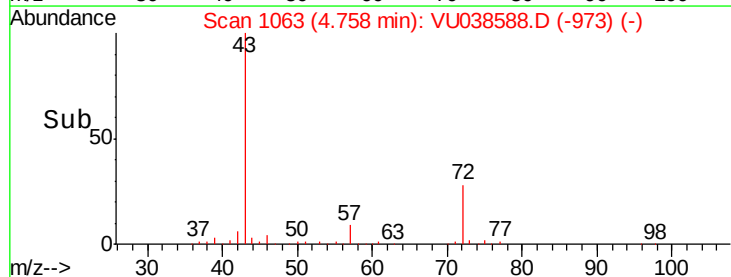
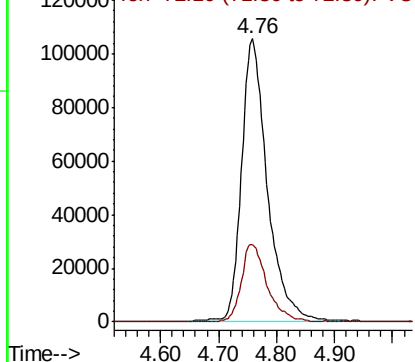


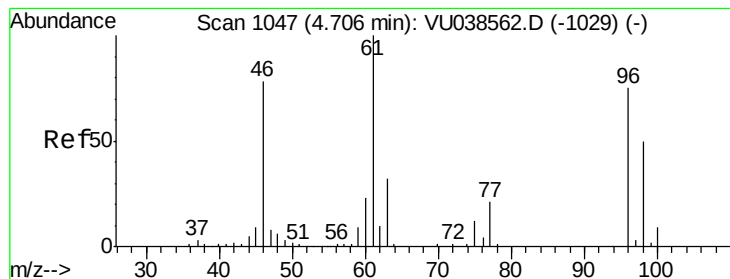
#21
 2-Butanone
 Concen: 53.813 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion: 43 Resp: 329107
 Ion Ratio Lower Upper
 43 100
 72 27.5 12.6 37.8



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: 4.917 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

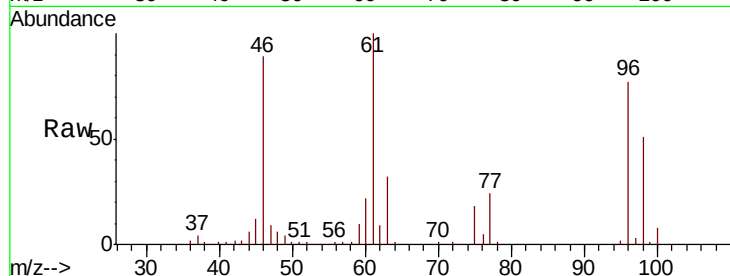
Tot Ion: 96 Resp: 99290

Ion Ratio Lower Upper

96 100

61 129.8 94.0 174.6

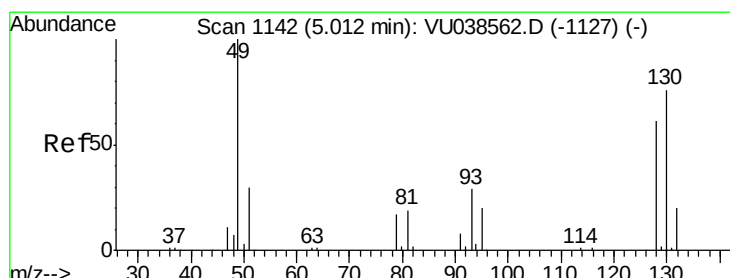
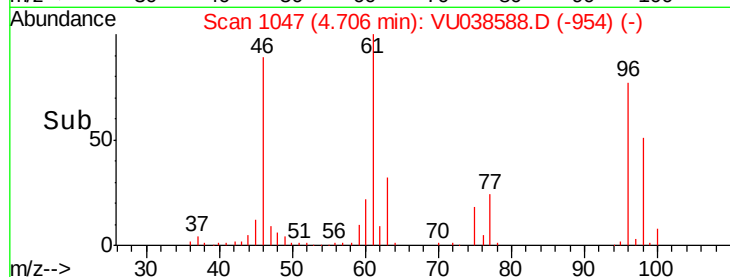
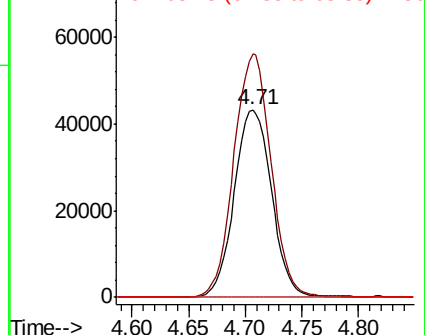
68 0.0 0.0 0.0



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: 5.018 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Tgt Ion:128 Resp: 45608

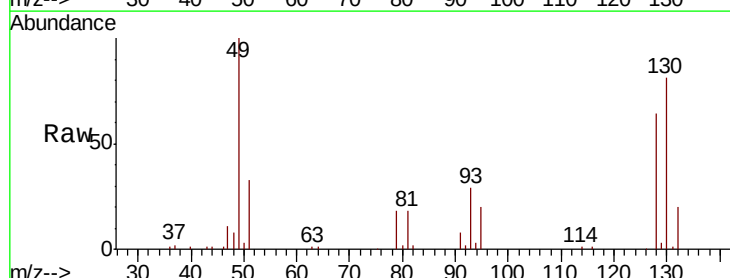
Ion Ratio Lower Upper

128 100

49 155.6 111.9 207.7

130 125.8 86.5 160.7

51 50.6 41.7 62.5

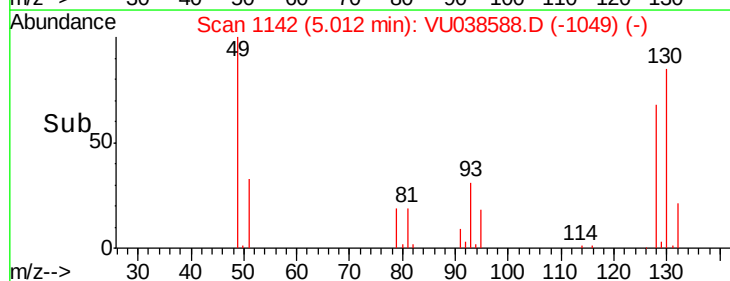
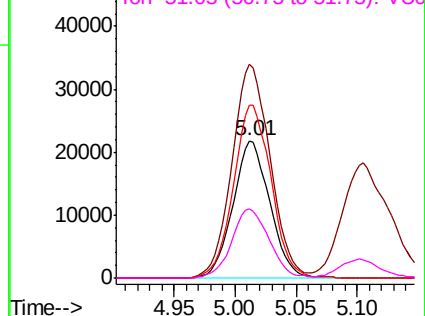


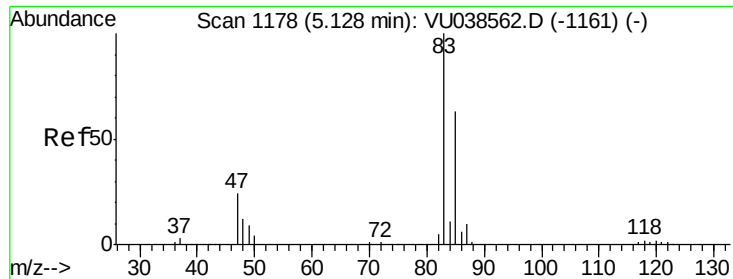
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

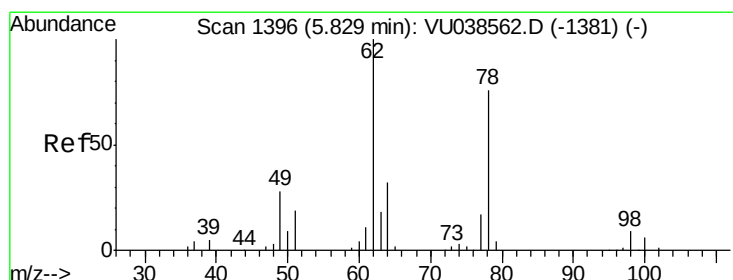
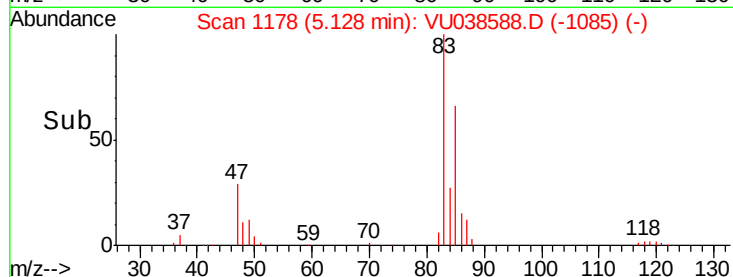
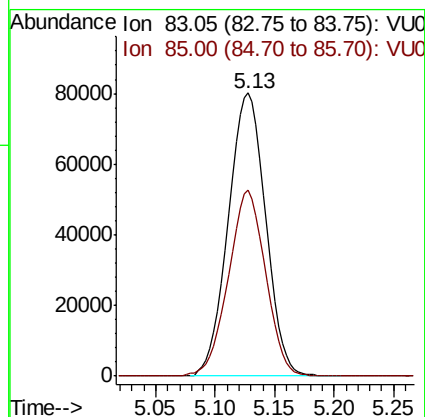
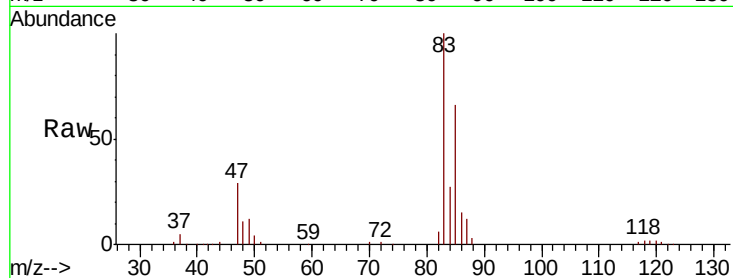




#25
Chloroform
Concen: 5.121 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

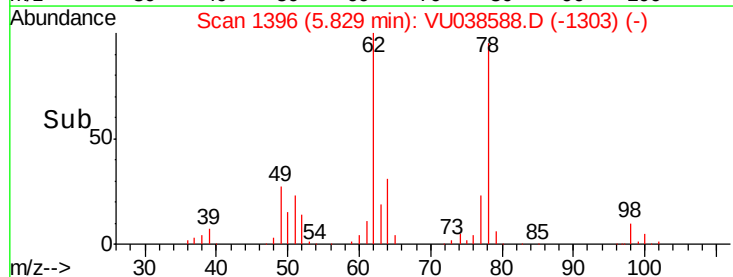
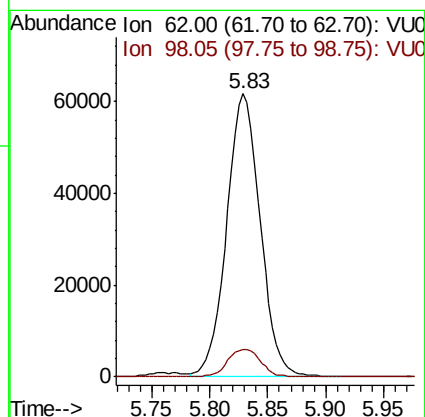
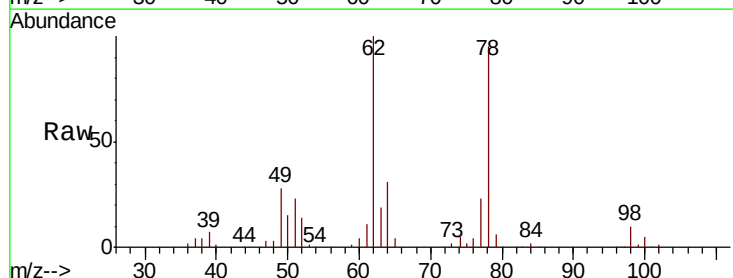
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

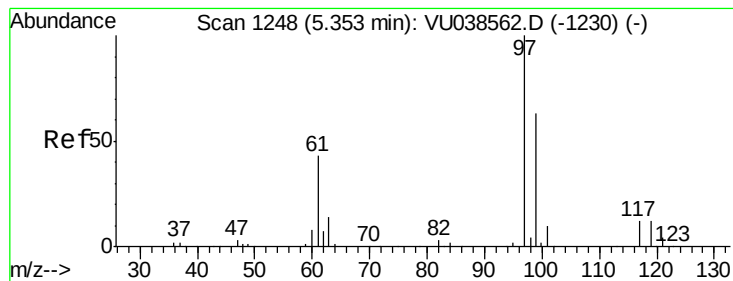
Tot Ion: 83 Resp: 174602
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.132 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion: 62 Resp: 123182
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.928 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

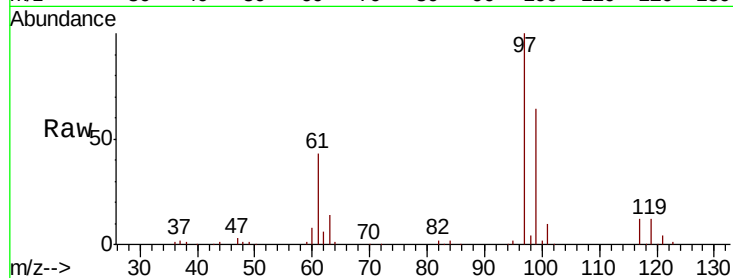
Tot Ion: 97 Resp: 146358

Ion Ratio Lower Upper

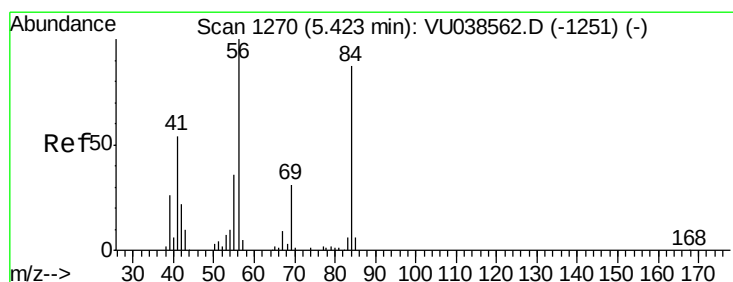
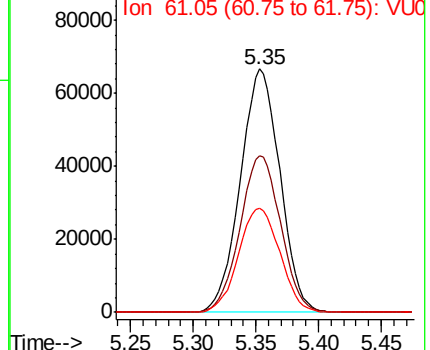
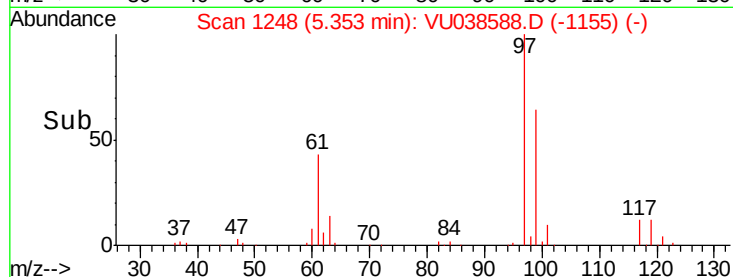
97 100

99 66.1 52.2 78.2

61 44.6 35.4 53.2



Abundance Ion 96.95 (96.65 to 97.65): VU038588.D (-1155) (-)



#30

Cyclohexane

Concen: 3.952 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

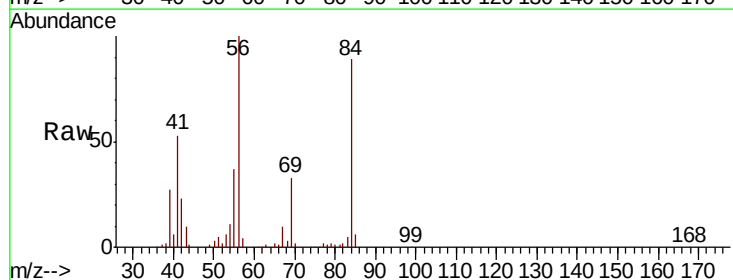
Tgt Ion: 56 Resp: 123086

Ion Ratio Lower Upper

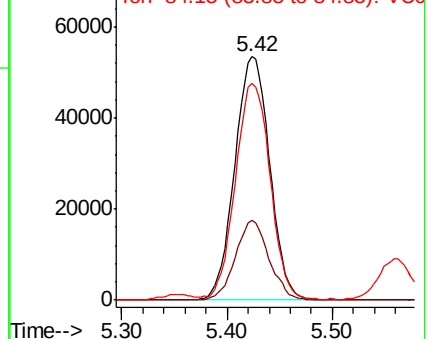
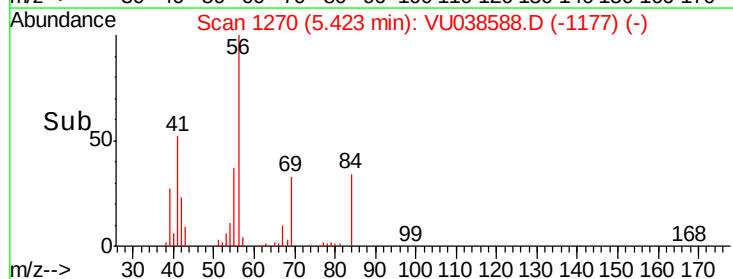
56 100

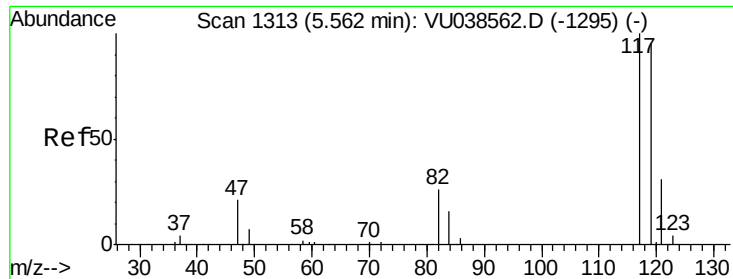
69 31.4 24.2 36.4

84 88.2 70.8 106.2



Abundance Ion 56.10 (55.80 to 56.80): VU038588.D (-1177) (-)

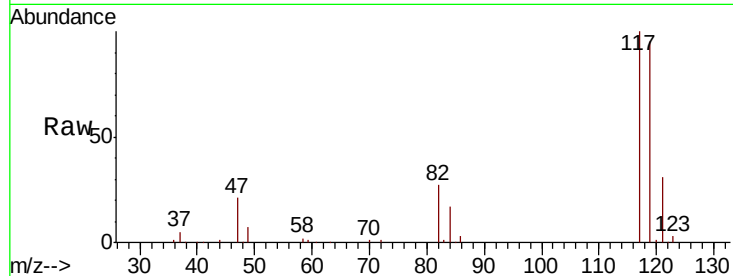




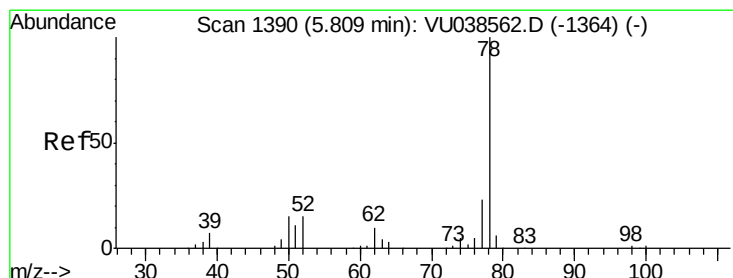
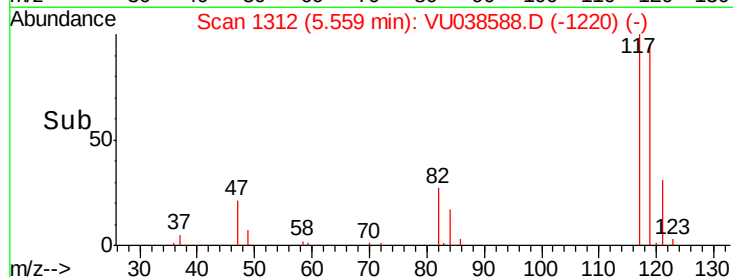
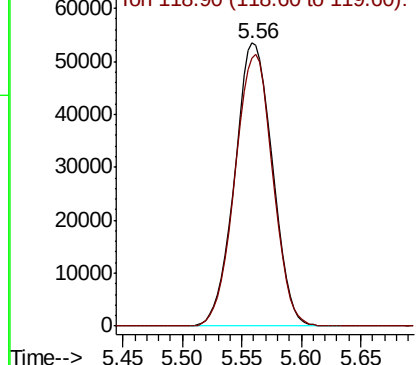
#31
Carbon tetrachloride
Concen: 4.756 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:117 Resp: 117591
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0

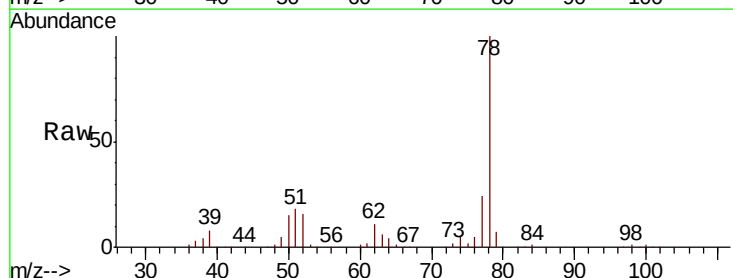


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

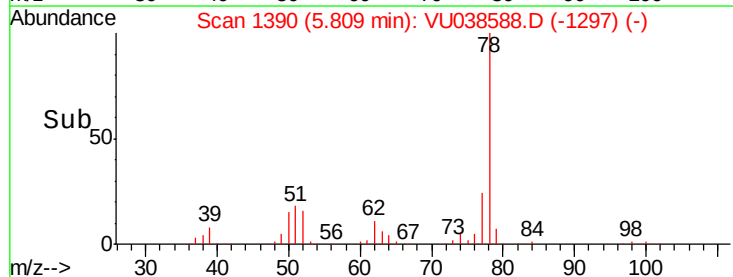
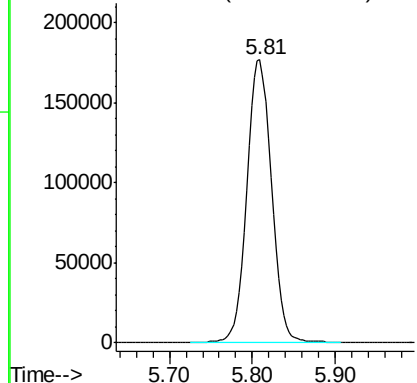


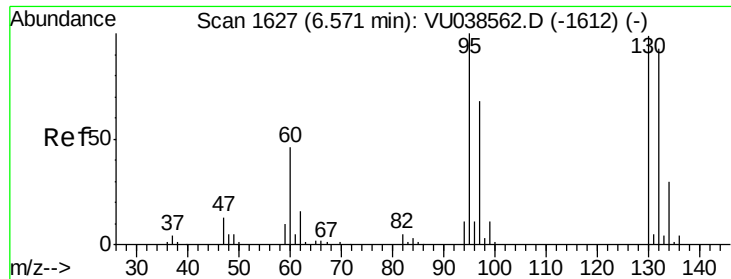
#33
Benzene
Concen: 4.699 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion: 78 Resp: 367801



Abundance Ion 78.10 (77.80 to 78.80): VU0

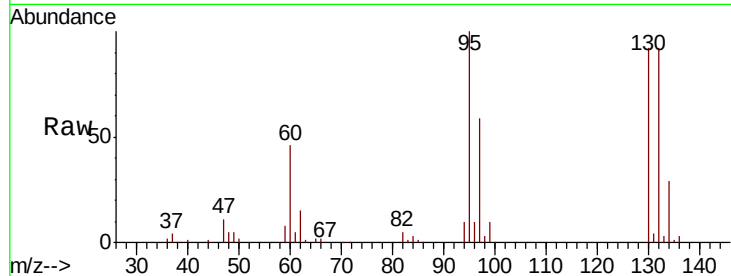




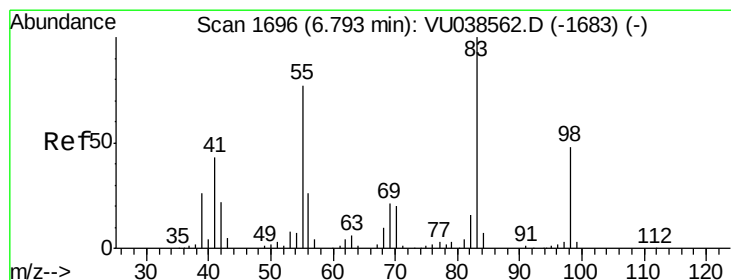
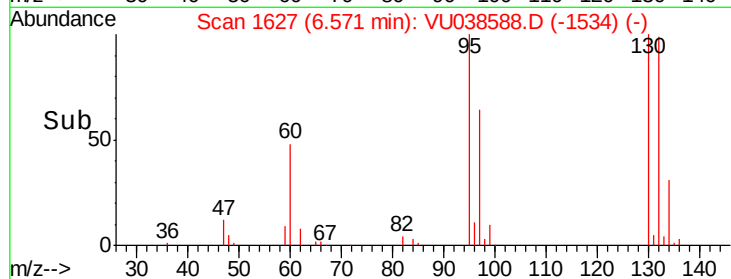
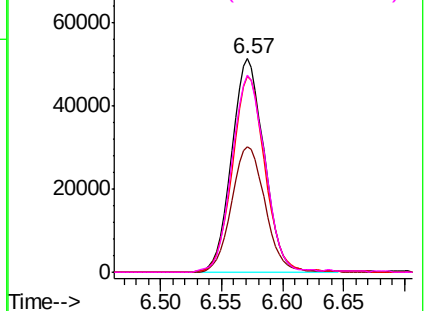
#34
 Trichloroethene
 Concen: 4.671 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 95 Resp: 94898
 Ion Ratio Lower Upper
 95 100
 97 58.9 46.8 87.0
 132 91.7 66.1 122.7
 130 92.1 70.0 130.0

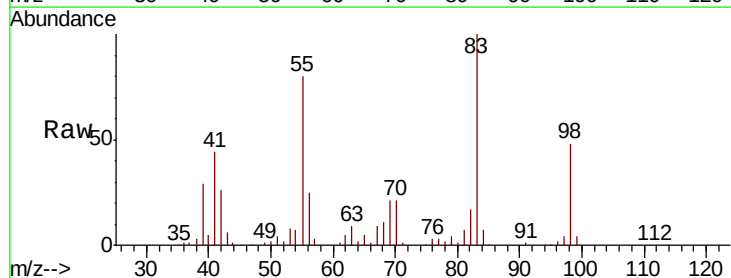


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

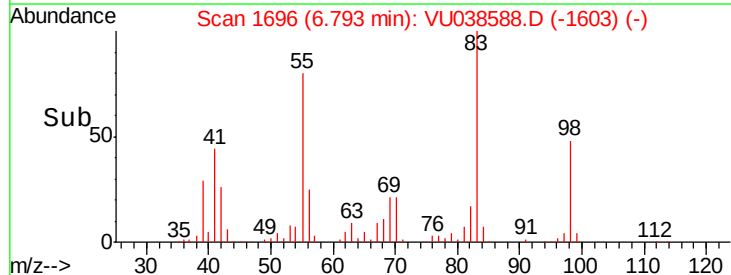
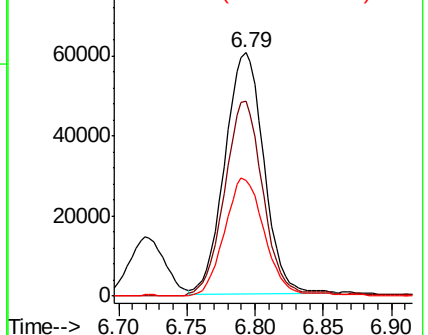


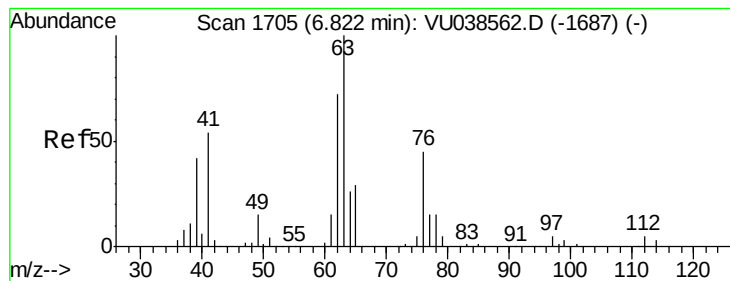
#35
 Methylcyclohexane
 Concen: 3.792 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion: 83 Resp: 119283
 Ion Ratio Lower Upper
 83 100
 55 80.7 63.4 95.2
 98 50.5 39.0 58.4



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





#37

1,2-Dichloropropane

Concen: 4.965 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

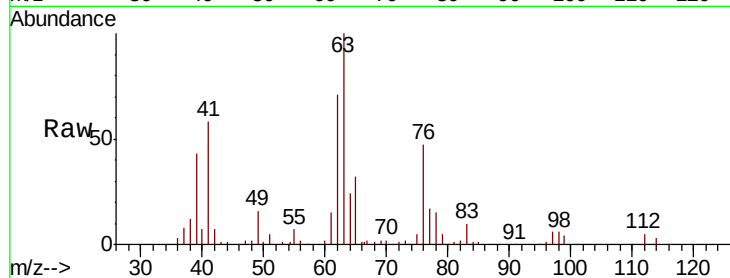
VSTD00512

Tot Ion: 63 Resp: 97791

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038562.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038562.D (-1687) (-)

6.82

50000

40000

30000

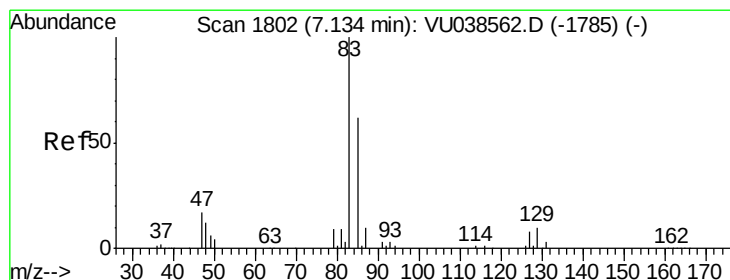
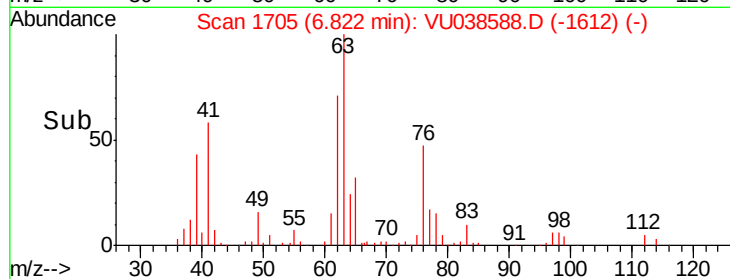
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.112 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

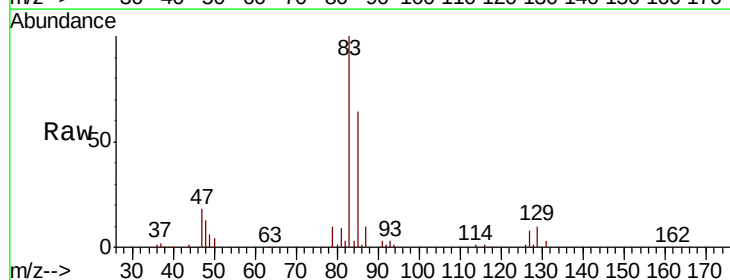
Tgt Ion: 83 Resp: 125033

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

127 8.1 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038562.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038562.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038562.D (-1785) (-)

7.13

80000

60000

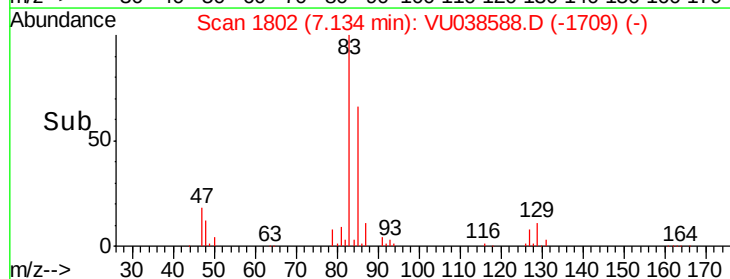
40000

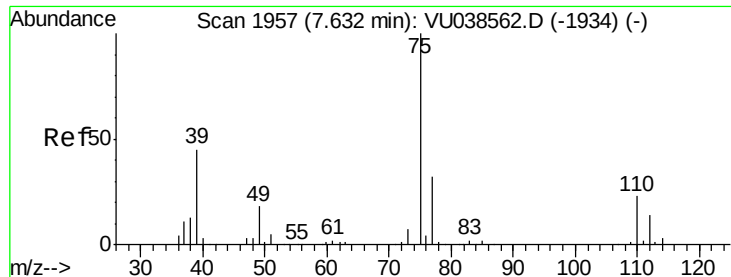
20000

0

7.05 7.10 7.15 7.20

Time-->

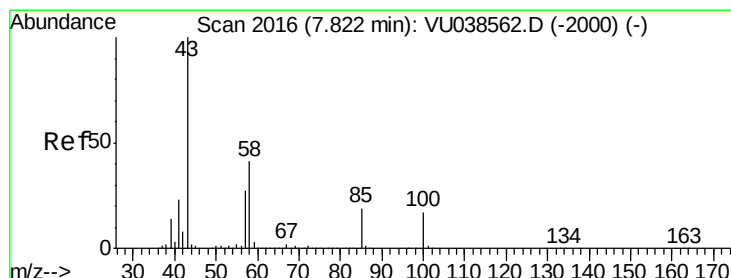
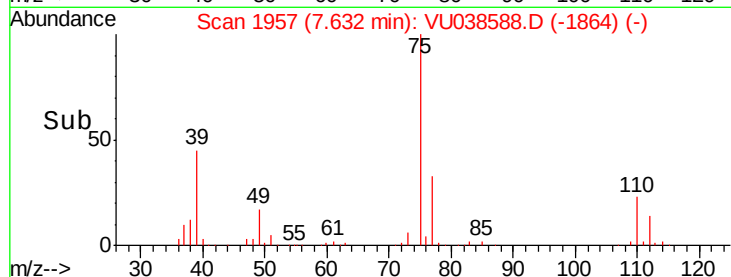
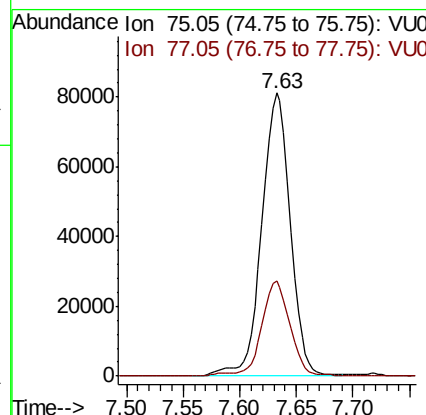
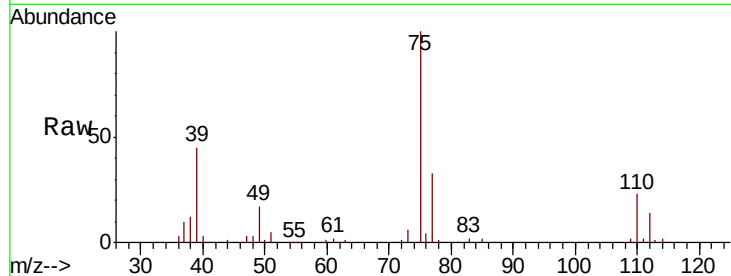




#39
 cis-1,3-Dichloropropene
 Concen: 4.886 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

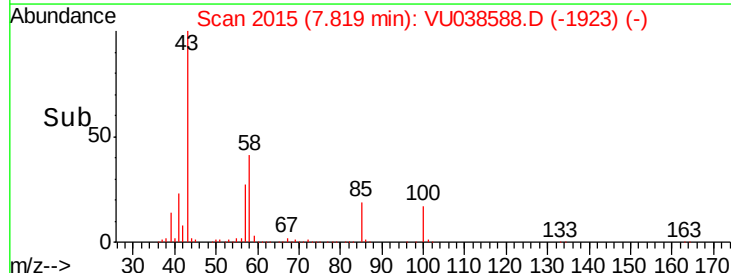
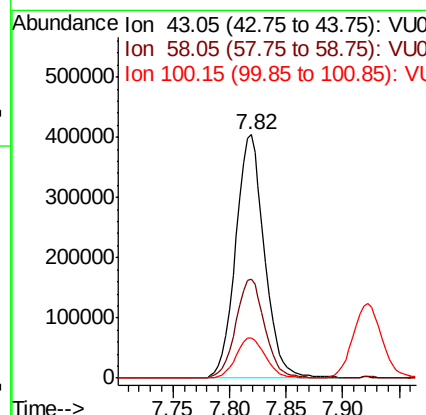
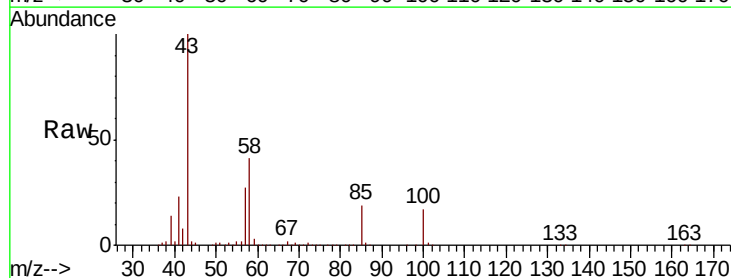
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

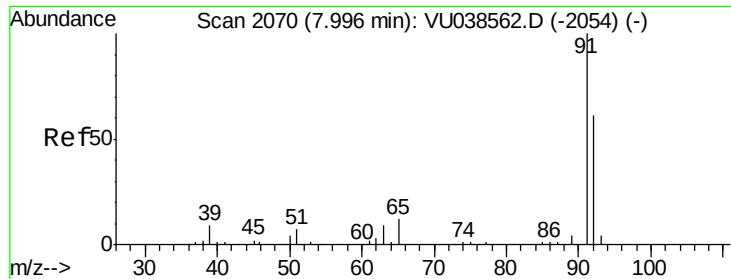
Tot Ion: 75 Resp: 142240
 Ion Ratio Lower Upper
 75 100
 77 33.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 50.873 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion: 43 Resp: 716591
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6
 100 16.8 13.3 19.9





#42

Toluene

Concen: 4.696 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

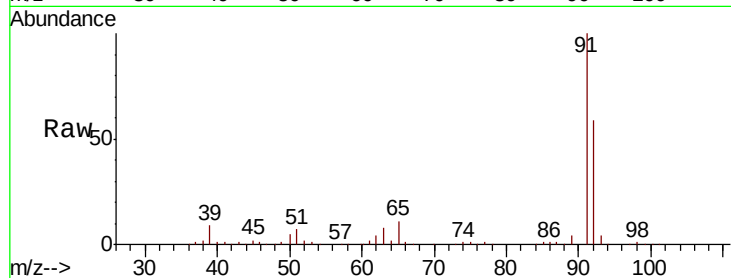
VSTD00512

Tot Ion: 91 Resp: 385542

Ion Ratio Lower Upper

91 100

92 59.2 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038562.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038562.D (-2054) (-)

7.99

250000

200000

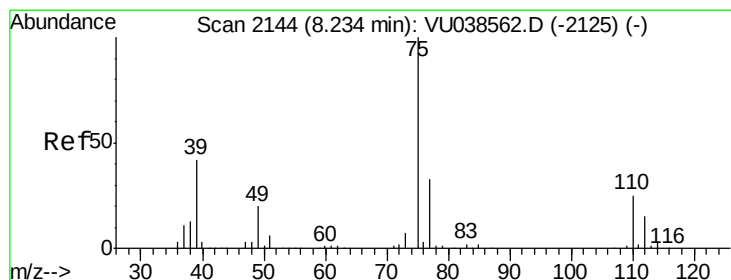
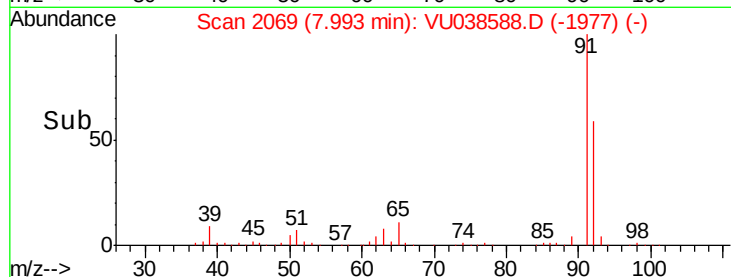
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.912 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038588.D

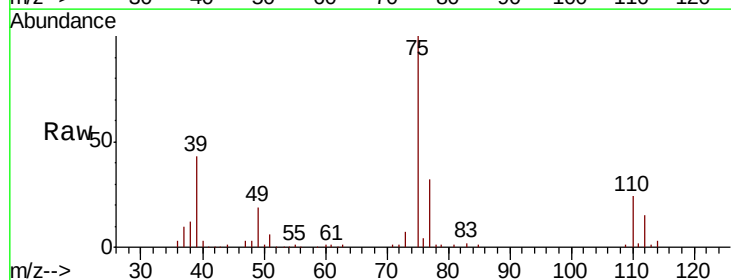
Acq: 05 Jun 2020 21:07

Tgt Ion: 75 Resp: 126280

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038562.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038562.D (-2125) (-)

8.23

80000

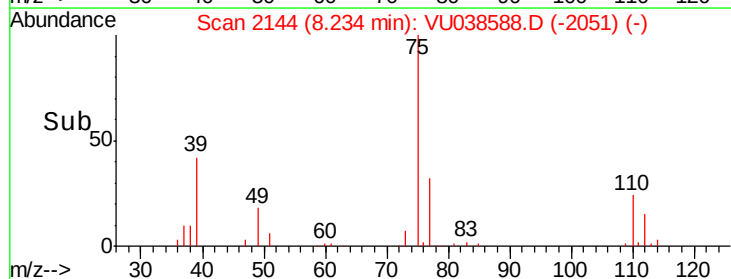
60000

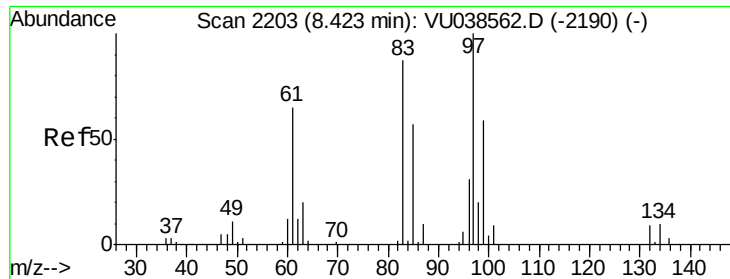
40000

20000

0

Time-->

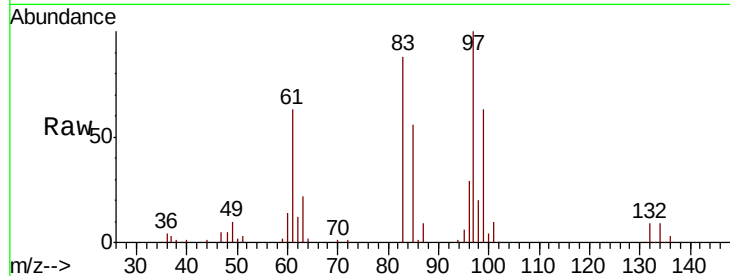




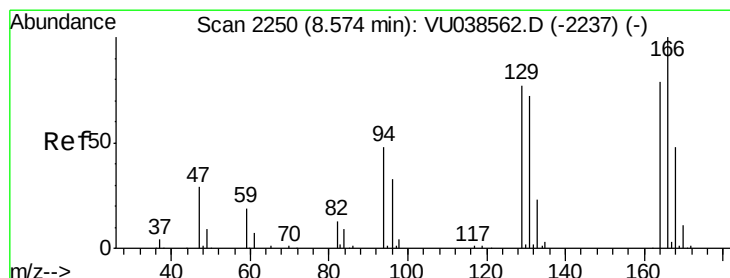
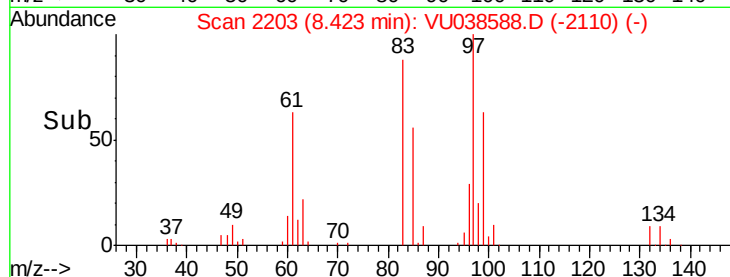
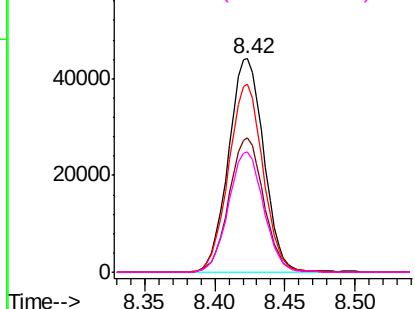
#45
 1,1,2-Trichloroethane
 Concen: 5.197 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:	97	Resp:	77222
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.1	78.1
83	88.1	58.8	109.2
85	56.3	37.4	69.4

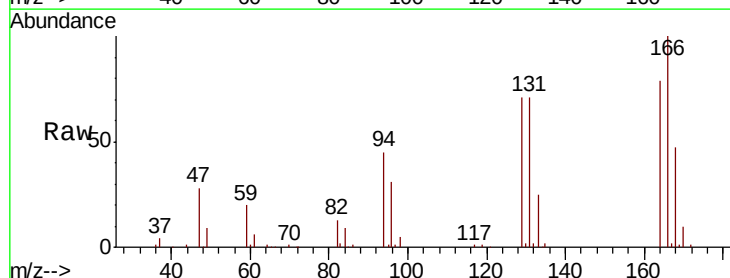


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

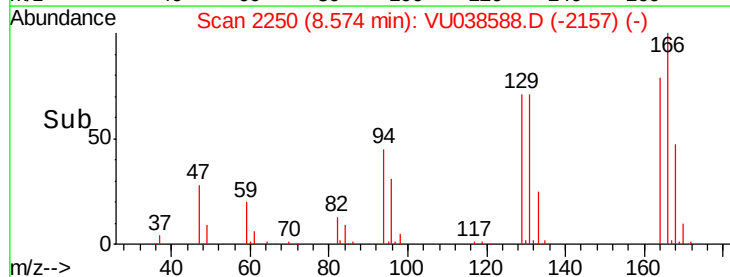
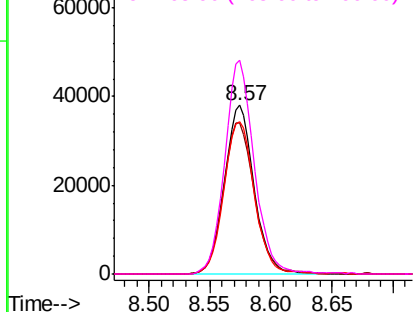


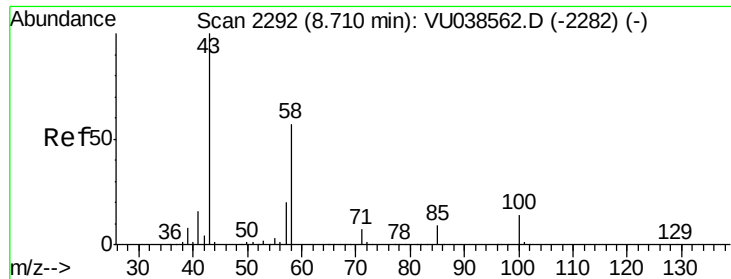
#47
 Tetrachloroethene
 Concen: 4.396 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion:	164	Resp:	64882
Ion	Ratio	Lower	Upper
164	100		
129	89.5	67.4	125.2
131	90.5	64.1	119.1
166	126.8	85.7	159.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

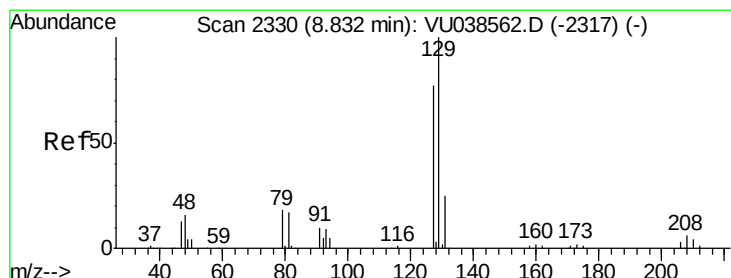
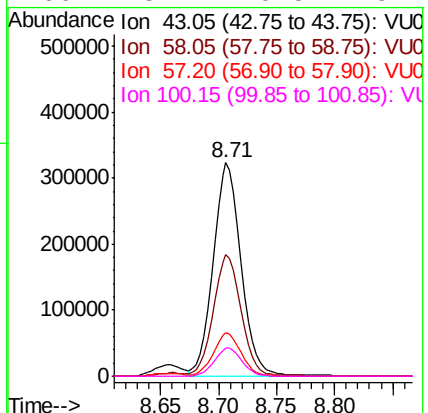
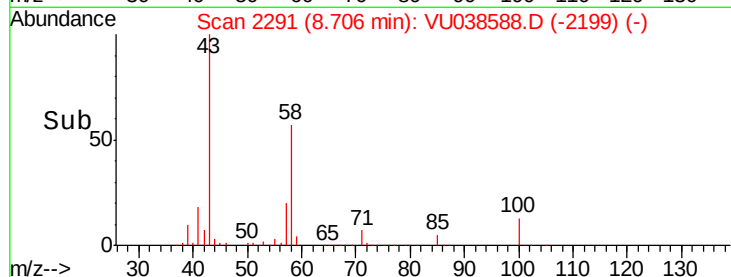
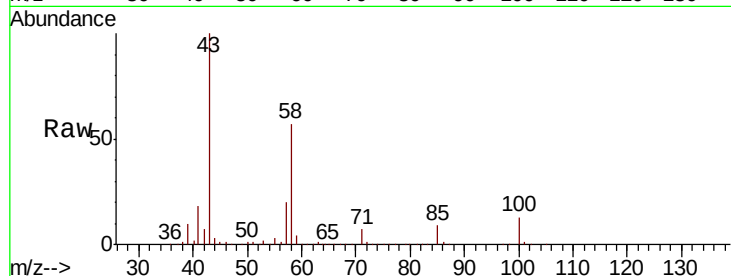




#48
2-Hexanone
Concen: 50.823 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

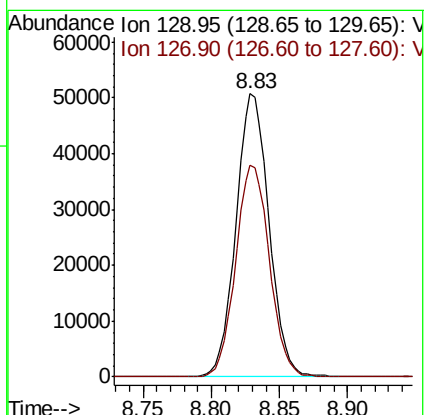
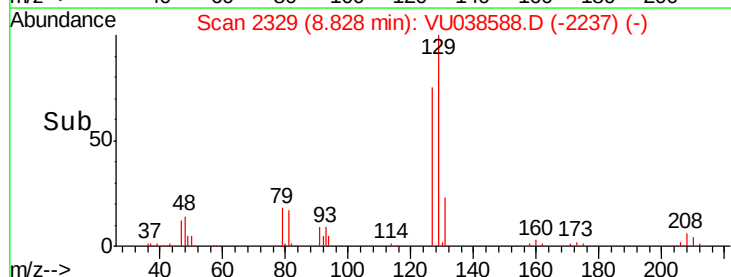
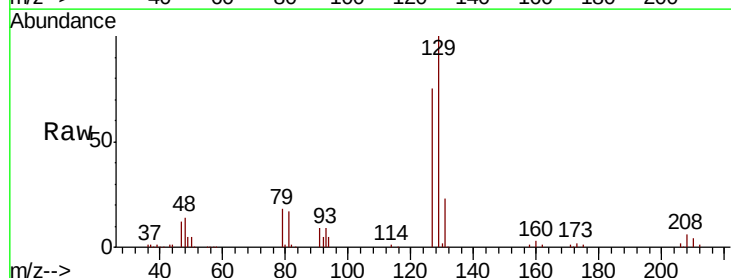
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

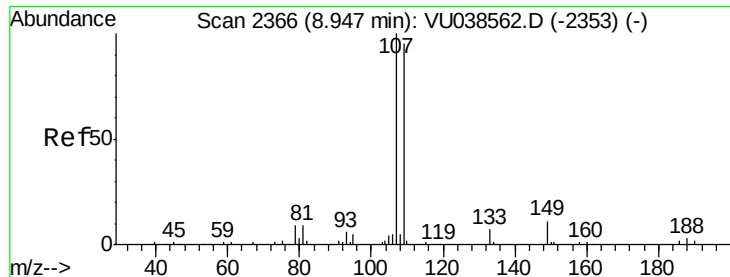
Tot Ion: 43 Resp: 542159
Ion Ratio Lower Upper
43 100
58 57.0 45.4 68.0
57 20.2 15.9 23.9
100 13.4 10.5 15.7



#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion: 129 Resp: 85265
Ion Ratio Lower Upper
129 100
127 74.6 53.3 99.1

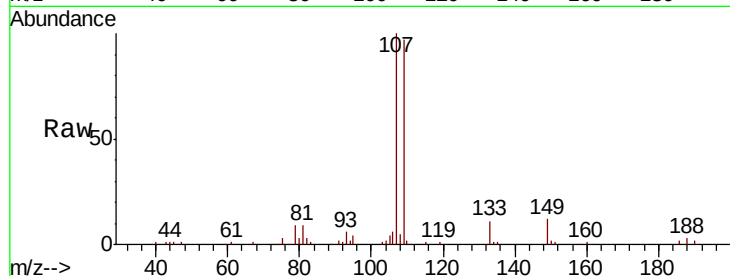




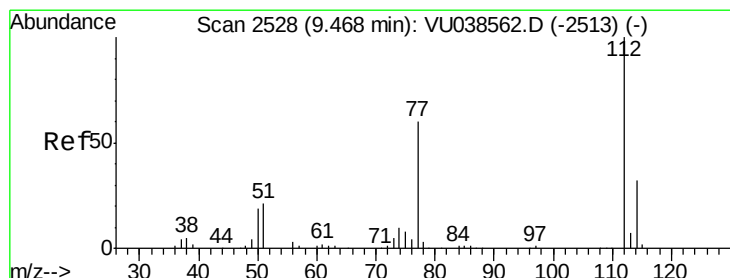
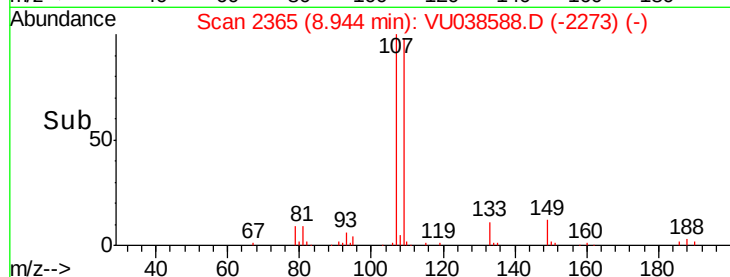
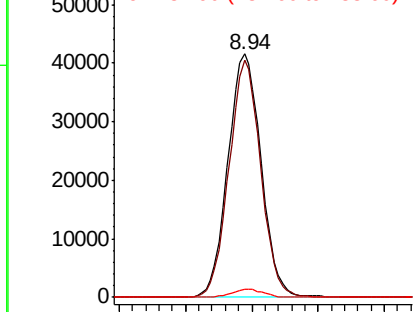
#50
1,2-Dibromoethane
Concen: 5.072 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:107 Resp: 72163
Ion Ratio Lower Upper
107 100
109 97.2 67.0 124.4
188 3.1 3.0 4.4

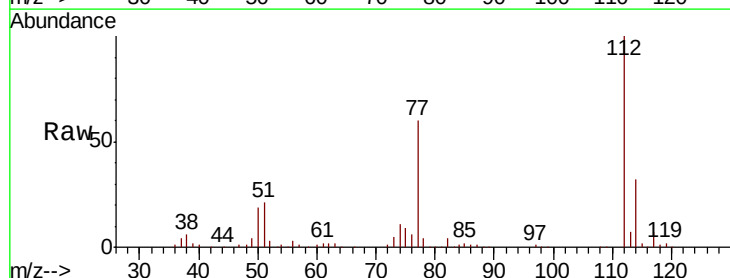


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

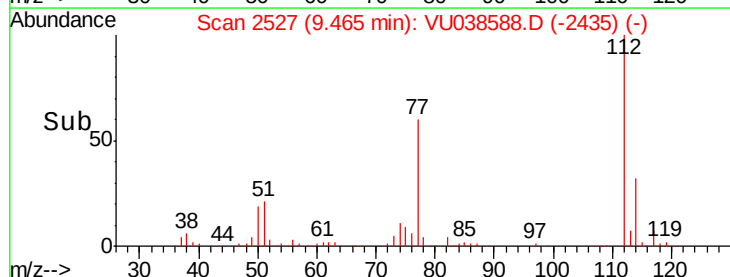
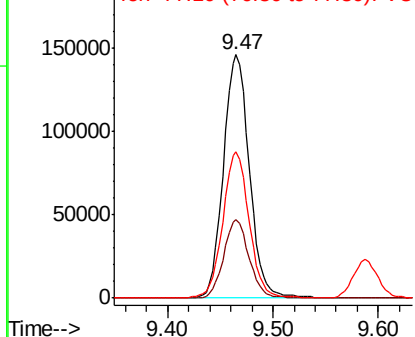


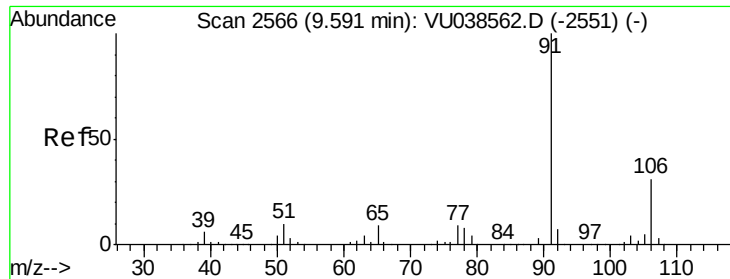
#51
Chlorobenzene
Concen: 4.701 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion:112 Resp: 248874
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 60.0 47.1 70.7



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: 4.503 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

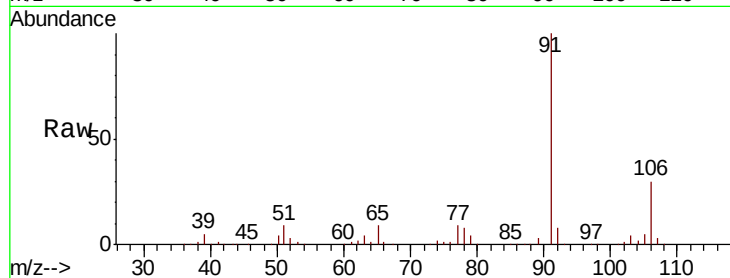
VSTD00512

Tot Ion: 91 Resp: 411314

Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038562.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038588.D (-2473) (-)

9.59

250000

200000

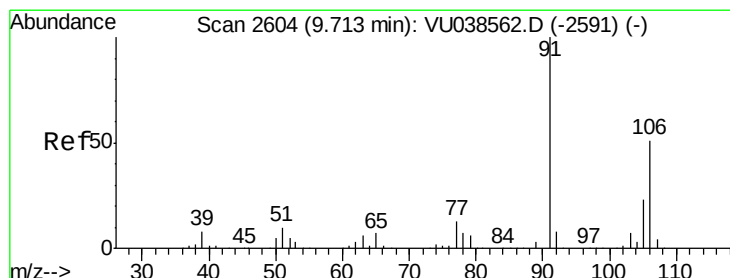
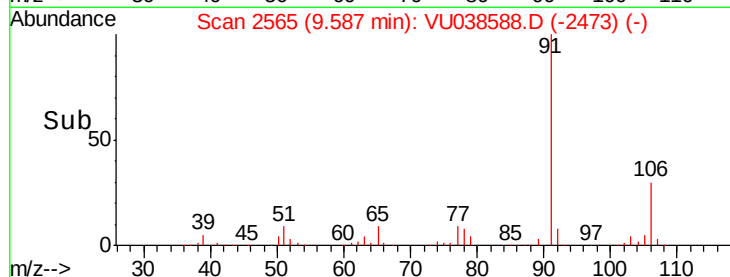
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 4.529 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038588.D

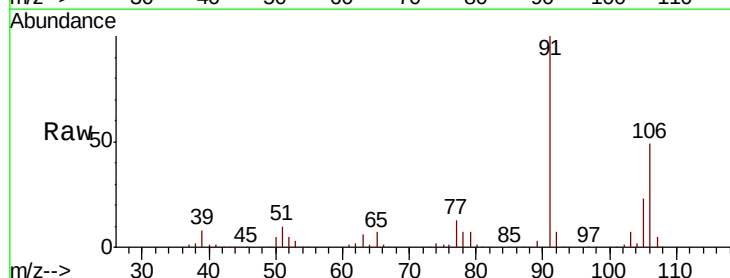
Acq: 05 Jun 2020 21:07

Tgt Ion: 106 Resp: 159104

Ion Ratio Lower Upper

106 100

91 202.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038562.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU038588.D (-2511) (-)

9.71

200000

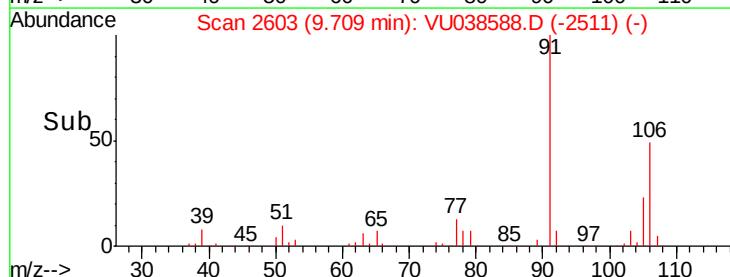
150000

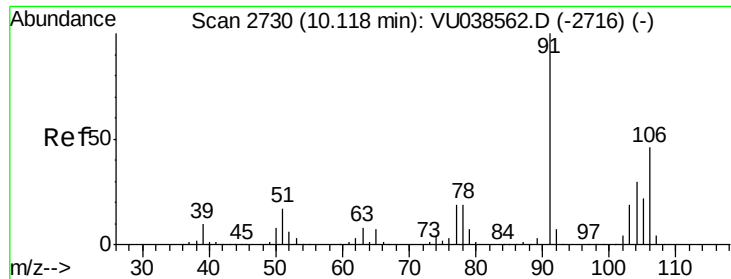
100000

50000

0

Time-->

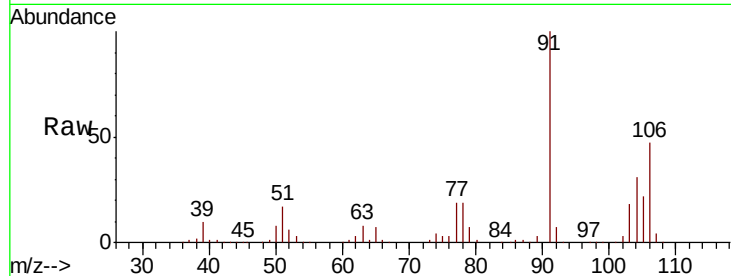




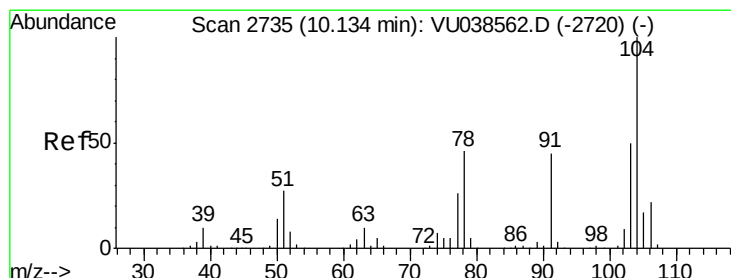
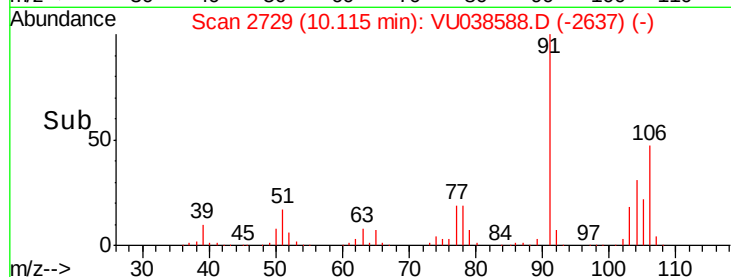
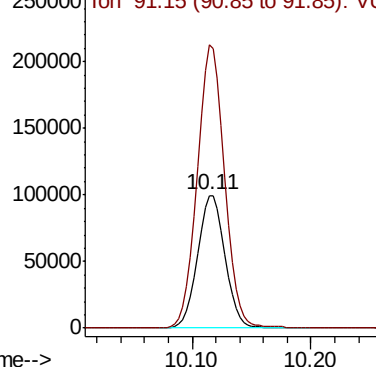
#54
o-Xylene
Concen: 4.710 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 158840
Ion Ratio Lower Upper
106 100
91 213.8 150.6 279.8

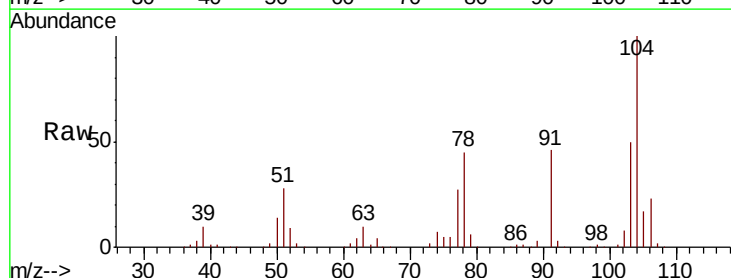


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

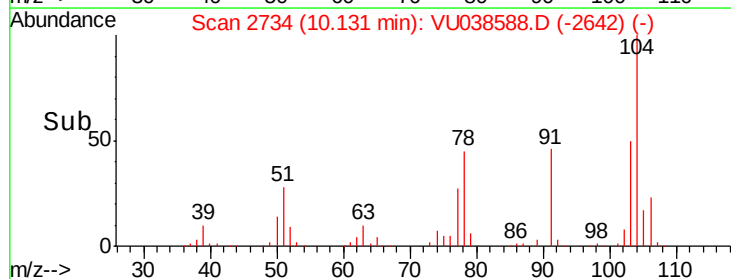
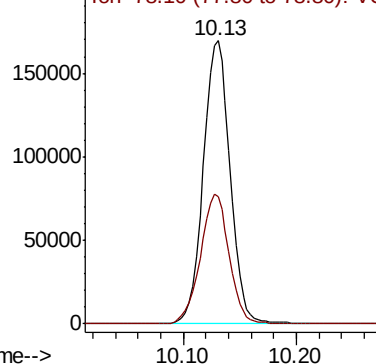


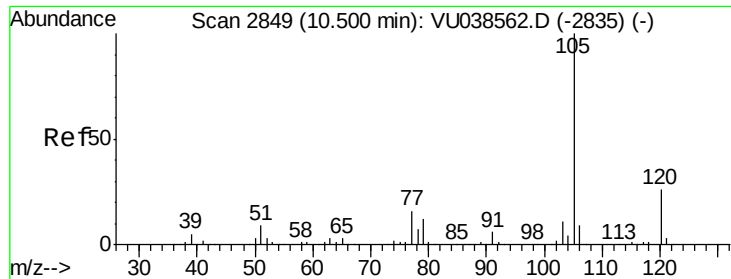
#55
Styrene
Concen: 4.883 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038588.D
Acq: 05 Jun 2020 21:07

Tgt Ion:104 Resp: 279495
Ion Ratio Lower Upper
104 100
78 45.0 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.602 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

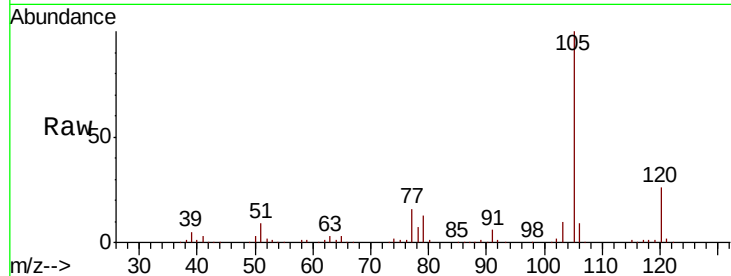
Tot Ion:105 Resp: 408426

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

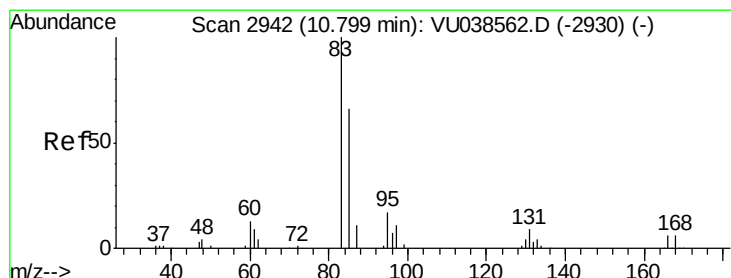
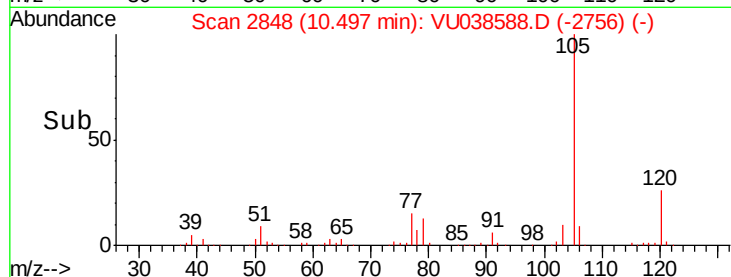
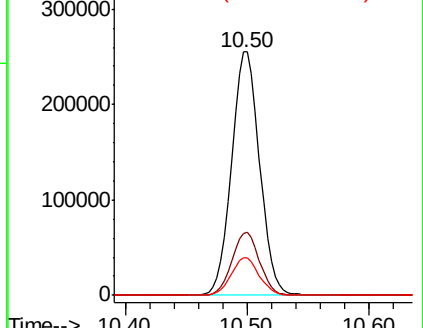
77 15.6 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

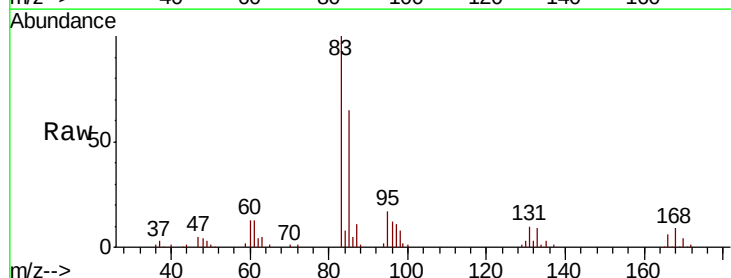
Tgt Ion: 83 Resp: 94417

Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.0

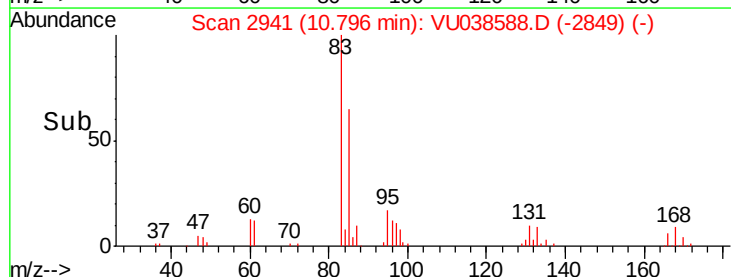
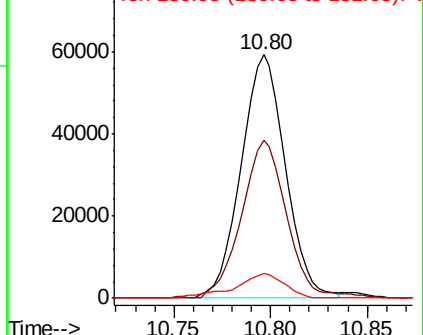
131 9.9 8.1 12.1

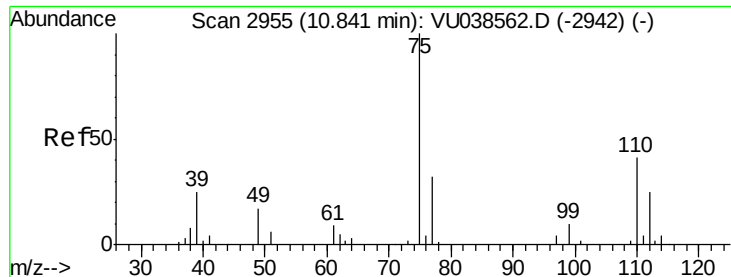


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

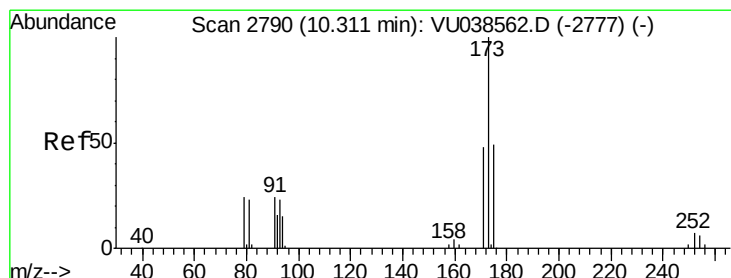
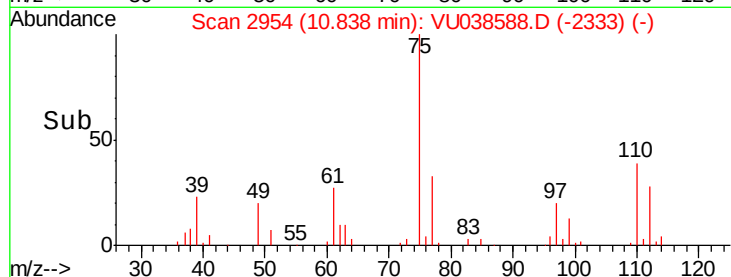
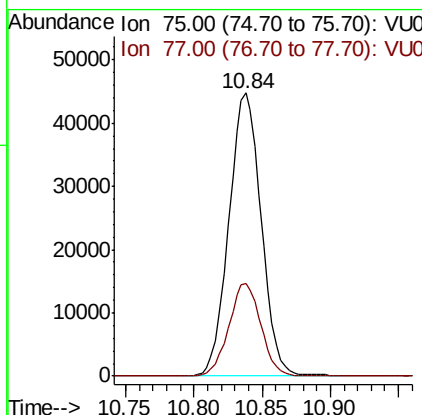
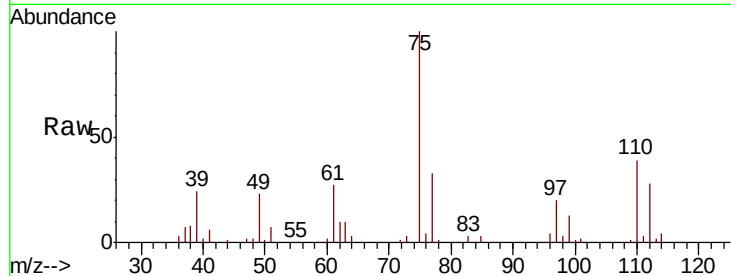




#59
 1,2,3-Trichloropropane
 Concen: 5.009 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

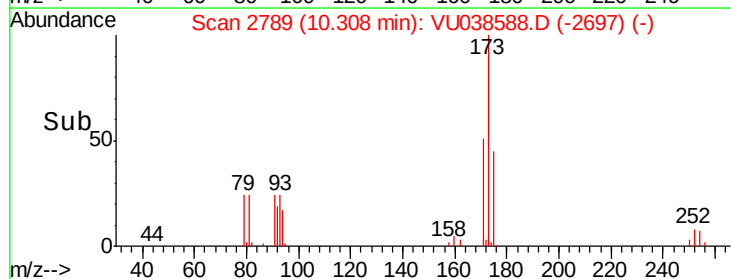
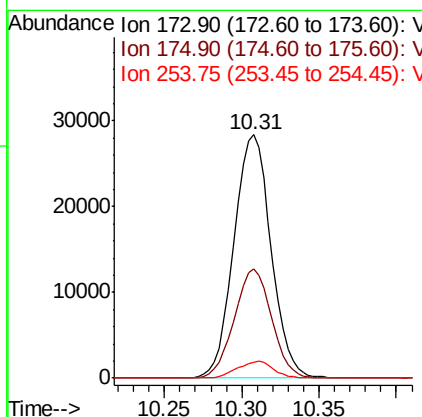
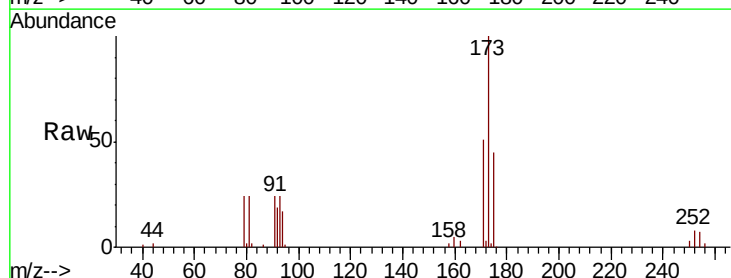
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

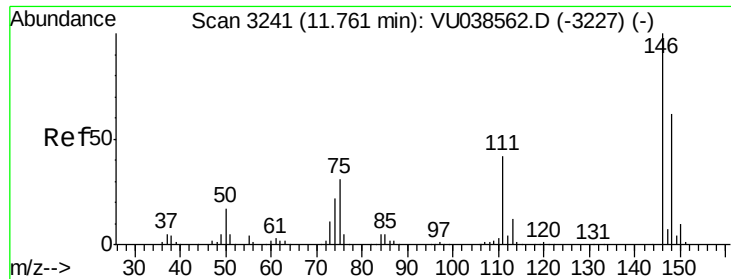
Tot Ion: 75 Resp: 73637
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#61
 Bromoform
 Concen: 5.385 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion: 173 Resp: 47219
 Ion Ratio Lower Upper
 173 100
 175 45.0 38.7 58.1
 254 6.9 5.4 8.2

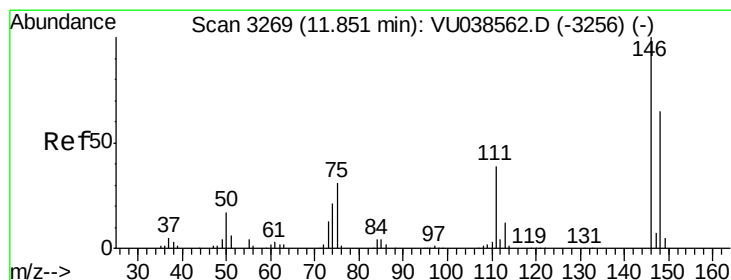
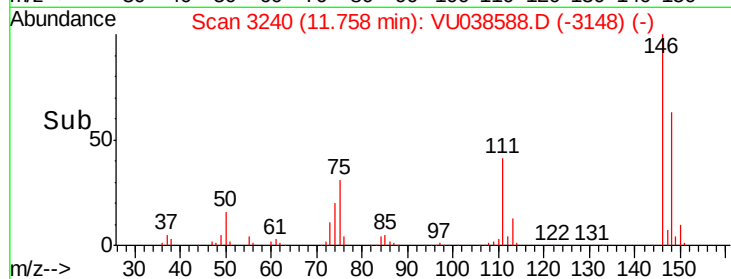
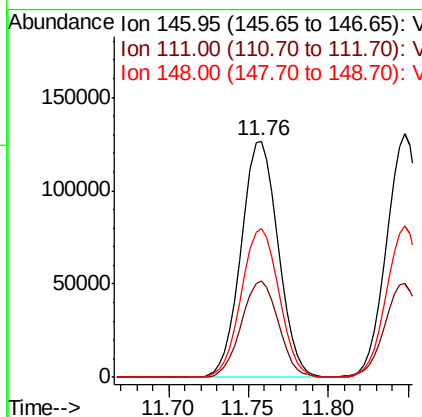
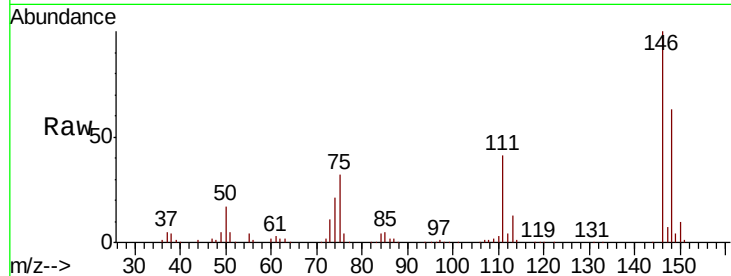




#62
 1,3-Dichlorobenzene
 Concen: 4.826 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

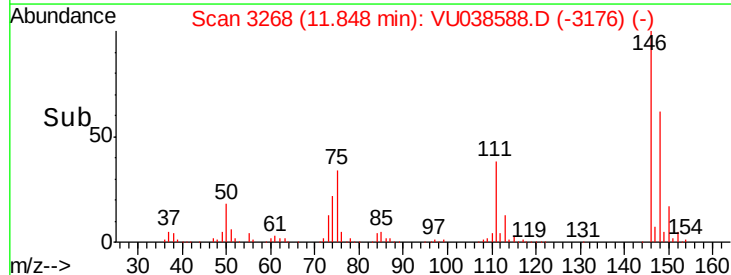
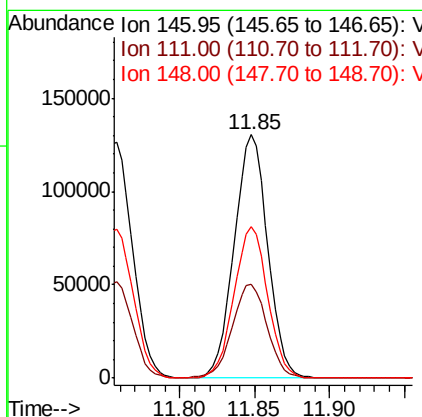
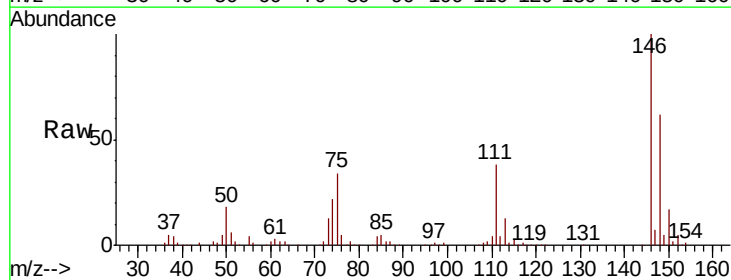
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

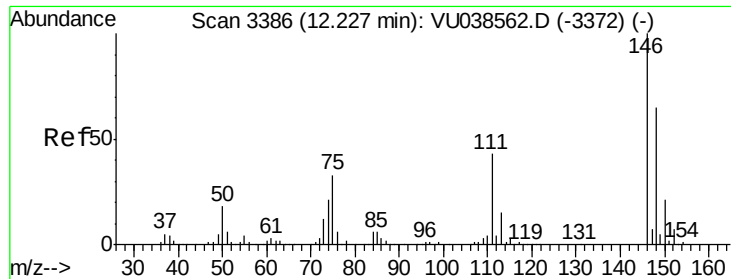
Tot Ion:146 Resp: 199598
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.5 54.9
 148 63.1 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 4.841 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion:146 Resp: 203047
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.6 51.2
 148 62.1 44.8 83.2

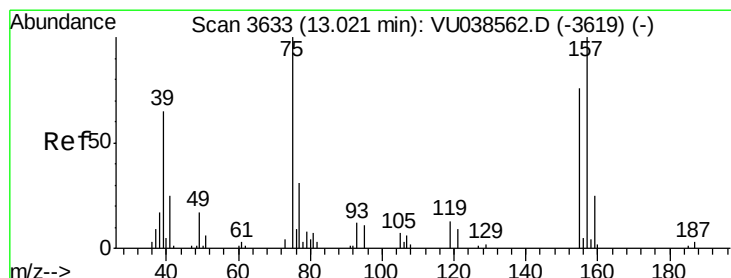
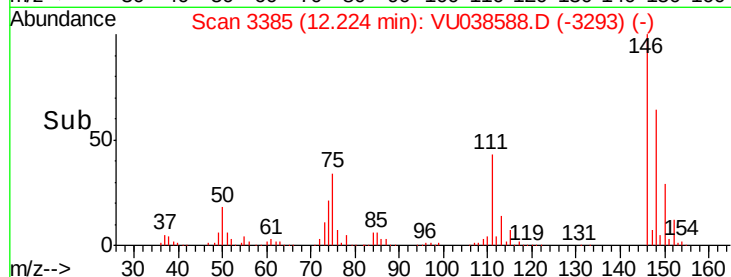
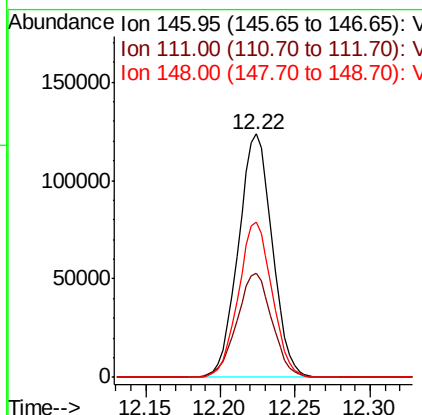
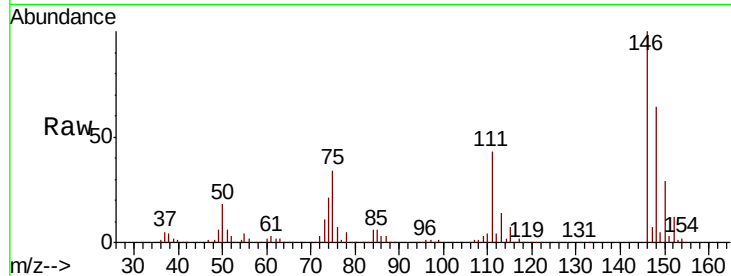




#65
 1,2-Dichlorobenzene
 Concen: 4.957 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

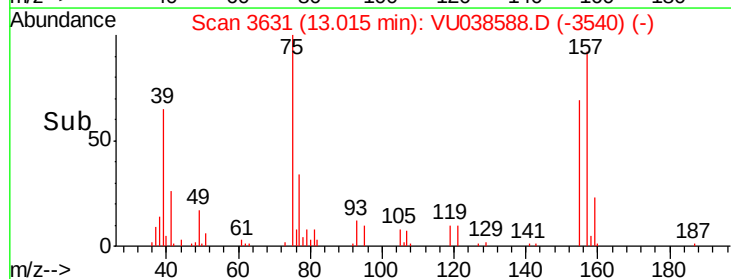
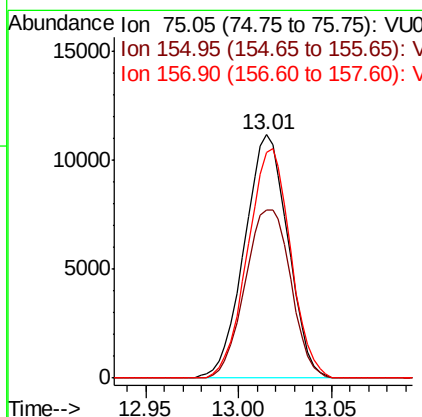
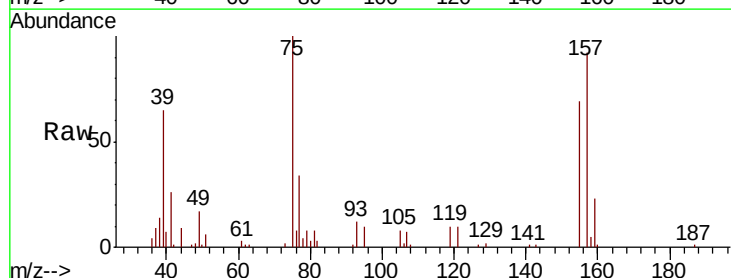
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

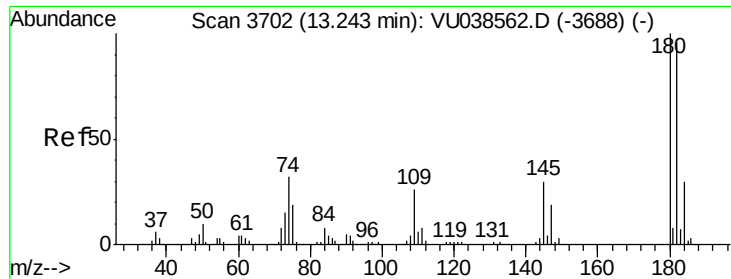
Tot Ion:146 Resp: 194672
 Ion Ratio Lower Upper
 146 100
 111 42.5 35.1 52.7
 148 63.8 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.729 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion: 75 Resp: 18218
 Ion Ratio Lower Upper
 75 100
 155 68.9 59.6 89.4
 157 92.5 79.8 119.6

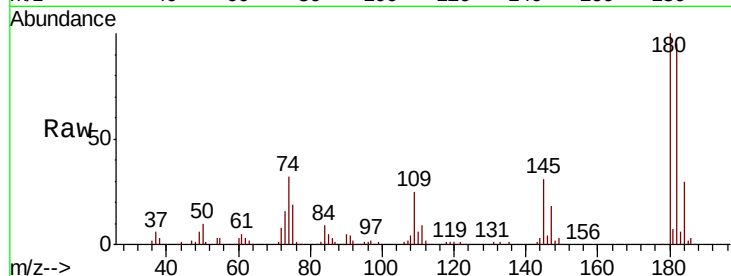




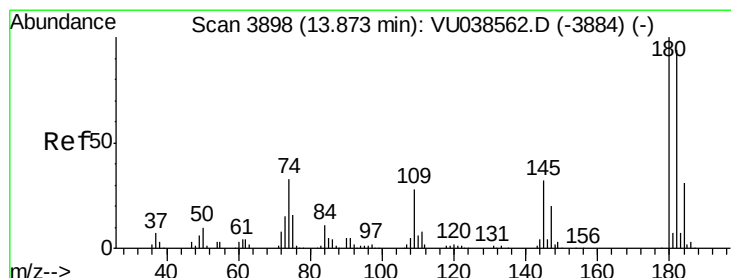
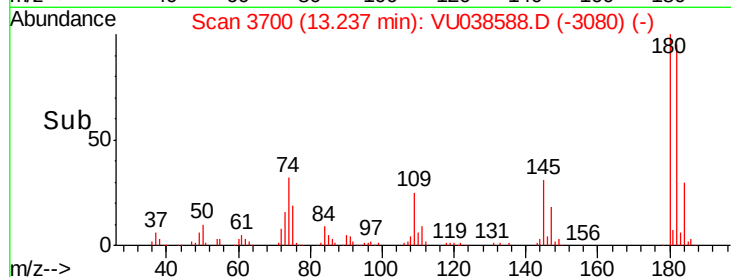
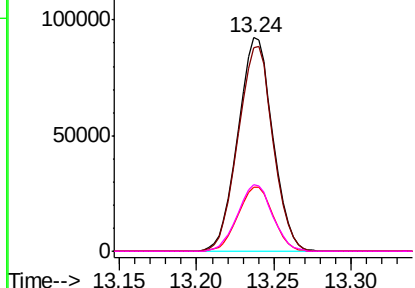
#67
 1,3,5-Trichlorobenzene
 Concen: 4.690 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180	Resp:	144730
Ion	Ratio	Lower Upper
180	100	
182	96.0	76.8 115.2
184	30.3	25.1 37.7
145	31.3	24.6 37.0

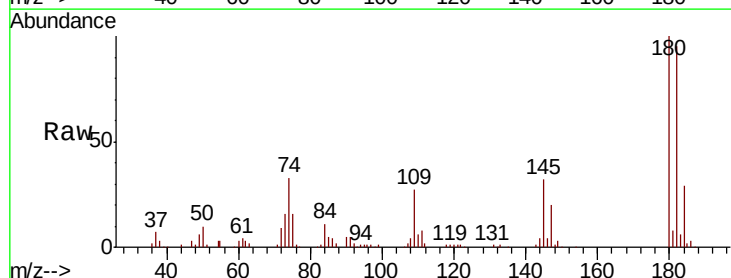


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

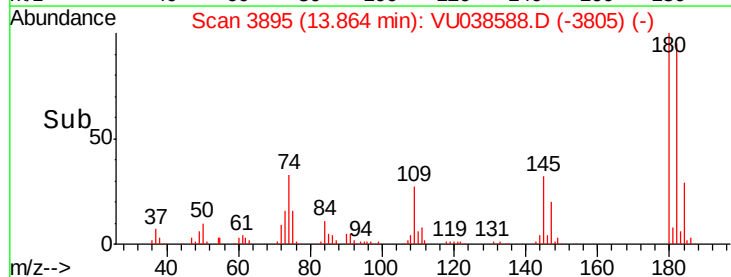
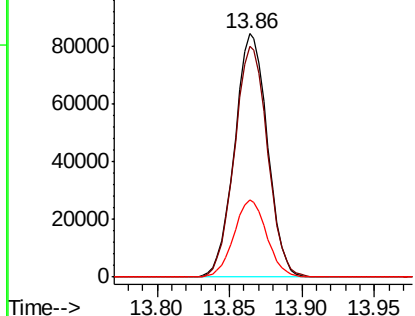


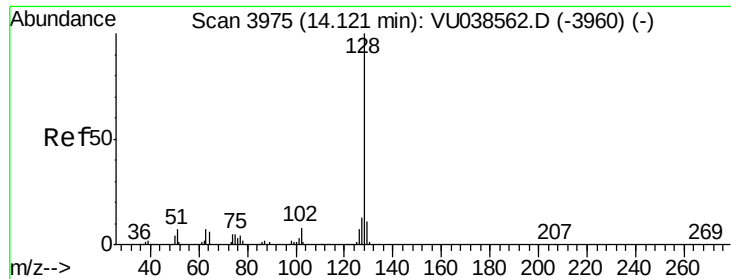
#68
 1,2,4-trichlorobenzene
 Concen: 4.633 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038588.D
 Acq: 05 Jun 2020 21:07

Tgt Ion:180	Resp:	132324
Ion	Ratio	Lower Upper
180	100	
182	95.6	75.8 113.8
145	31.5	25.3 37.9



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: 4.846 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

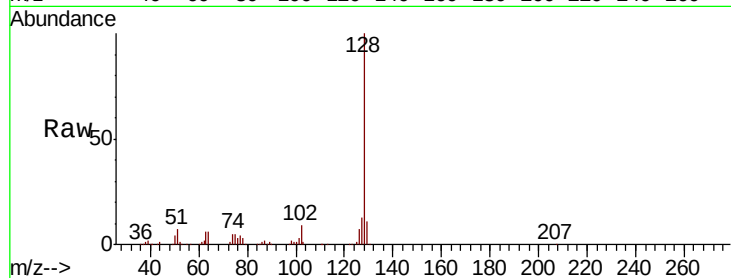
Tot Ion:128 Resp: 275427

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

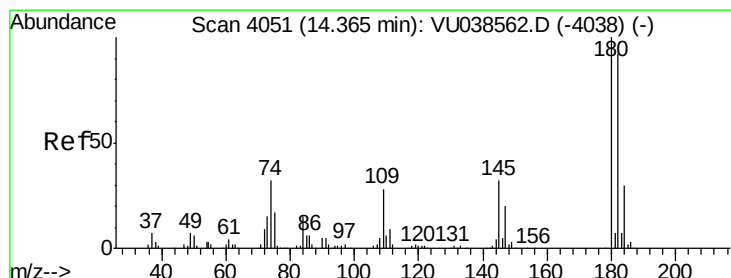
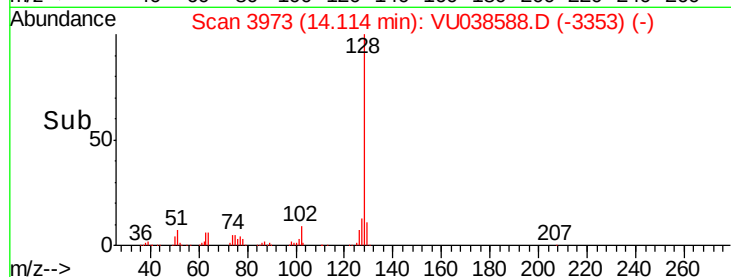
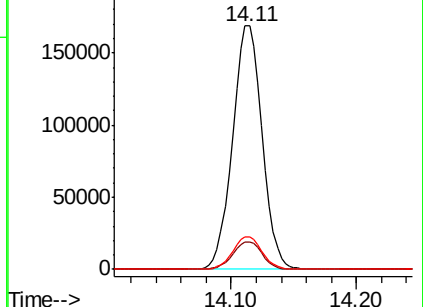
127 13.3 10.2 15.4



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: 4.922 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038588.D

Acq: 05 Jun 2020 21:07

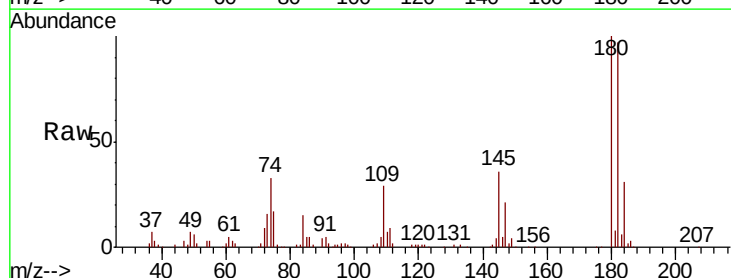
Tgt Ion:180 Resp: 127915

Ion Ratio Lower Upper

180 100

182 94.4 78.7 118.1

145 33.7 27.5 41.3



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

