

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
 Data File : VU038607.D
 Acq On : 06 Jun 2020 08:56
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Jun 07 02:15:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 07 02:13:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	333342	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	328554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	167532	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104282	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.93	69	85439	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.59	63	205837	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.68	46	355242	54.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.40%
24) Chloroform-d	5.10	84	210294	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.74	65	118782	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.76	84	416886	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.72	67	127217	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.92	98	365763	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	8.20	79	51421	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.65	63	300171	56.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108972	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	146233	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	115485	4.396	ug/L 99
3) Chloromethane	1.53	50	101367	4.201	ug/L 97
5) Vinyl chloride	1.62	62	112569	4.355	ug/L 96
6) Bromomethane	1.88	94	55760	4.443	ug/L 99
8) Chloroethane	1.95	64	68828	4.444	ug/L 99
9) Trichlorofluoromethane	2.16	101	162897	4.750	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	96051	4.756	ug/L 99
12) 1,1-Dichloroethene	2.61	96	92603	4.511	ug/L 94
13) Acetone	2.68	43	207309	48.334	ug/L 99
14) Carbon disulfide	2.82	76	265733	3.815	ug/L 100
15) Methyl Acetate	2.99	43	50780	4.833	ug/L 99
16) Methylene chloride	3.08	84	110024	4.736	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	266933	4.959	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	100005	4.520	ug/L 95
19) 1,1-Dichloroethane	3.91	63	193228	4.880	ug/L 99
21) 2-Butanone	4.76	43	356629	49.435	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	111496	4.680	ug/L 99

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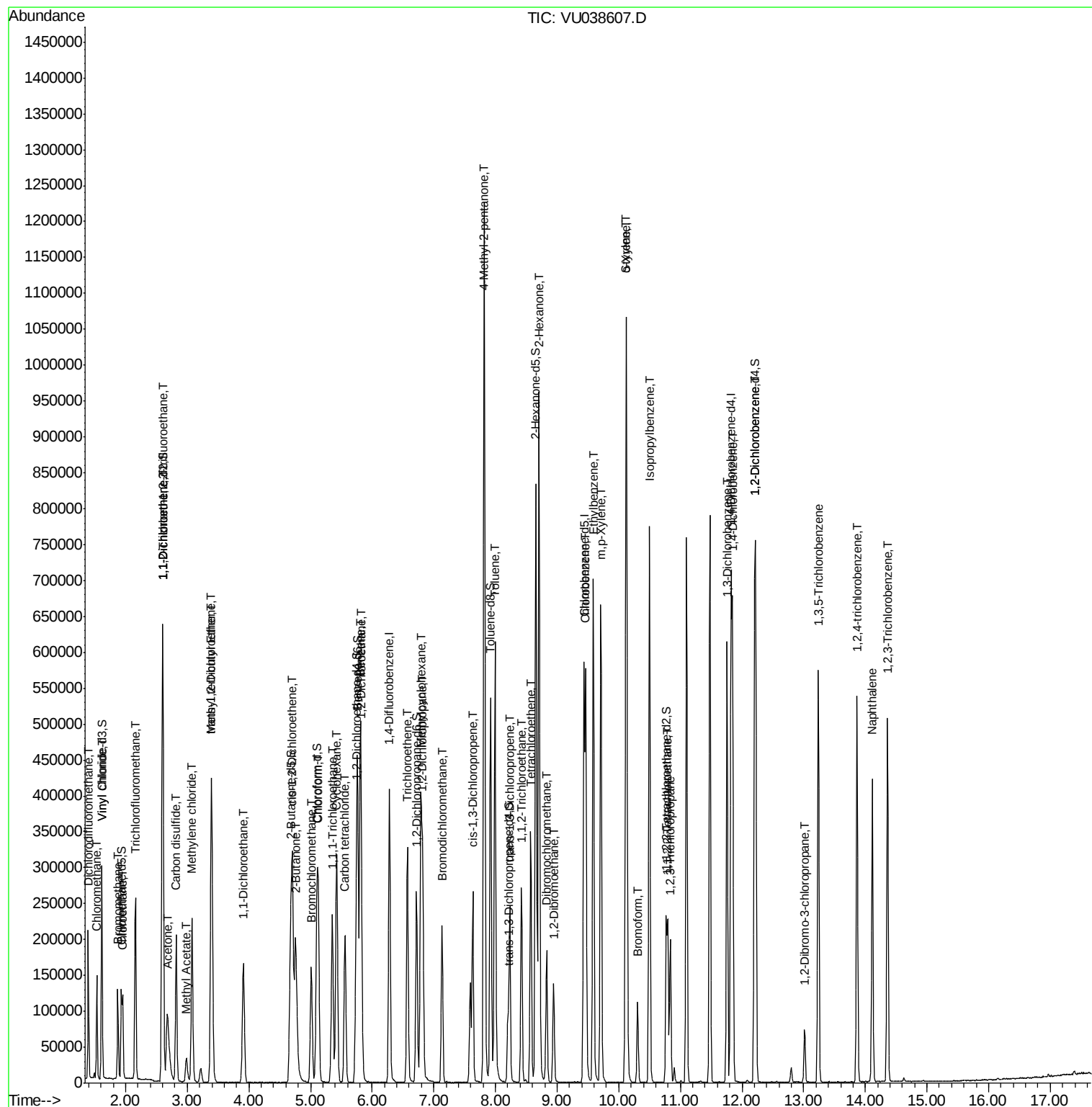
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	50698	4.729	ug/L	91
25) Chloroform	5.13	83	197264	4.905	ug/L	99
27) 1,2-Dichloroethane	5.83	62	136461	4.819	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	170890	4.916	ug/L	99
30) Cyclohexane	5.42	56	159865	4.385	ug/L	99
31) Carbon tetrachloride	5.56	117	141164	4.877	ug/L	99
33) Benzene	5.81	78	429682	4.690	ug/L	100
34) Trichloroethene	6.57	95	109279	4.596	ug/L	99
35) Methylcyclohexane	6.79	83	155277	4.218	ug/L	99
37) 1,2-Dichloropropane	6.82	63	112685	4.888	ug/L	100
38) Bromodichloromethane	7.13	83	142654	4.982	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	157689	4.628	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	808293	49.024	ug/L	100
42) Toluene	7.99	91	455353	4.739	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	136578	4.539	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	85062	4.891	ug/L	98
47) Tetrachloroethene	8.57	164	79431	4.598	ug/L	97
48) 2-Hexanone	8.71	43	598798	47.956	ug/L	99
49) Dibromochloromethane	8.83	129	94123	5.013	ug/L	99
50) 1,2-Dibromoethane	8.94	107	79610	4.780	ug/L	97
51) Chlorobenzene	9.47	112	295744	4.772	ug/L	100
52) Ethylbenzene	9.59	91	506371	4.736	ug/L	100
53) m,p-Xylene	9.71	106	193895	4.716	ug/L	98
54) o-Xylene	10.11	106	188437	4.774	ug/L	98
55) Styrene	10.13	104	326980	4.880	ug/L	99
56) Isopropylbenzene	10.50	105	507634	4.886	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	106514	4.819	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	82483	4.793	ug/L	99
61) Bromoform	10.31	173	51487	4.933	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	238570	4.847	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	241055	4.829	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	227355	4.864	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	19169	5.065	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	172849	4.707	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	159571	4.694	ug/L	99
69) Naphthalene	14.11	128	322360	4.765	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	147789	4.778	ug/L	100

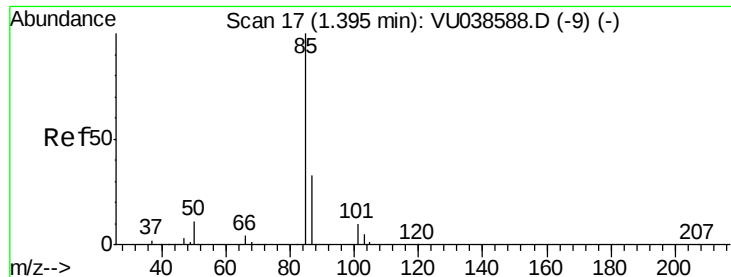
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.396 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

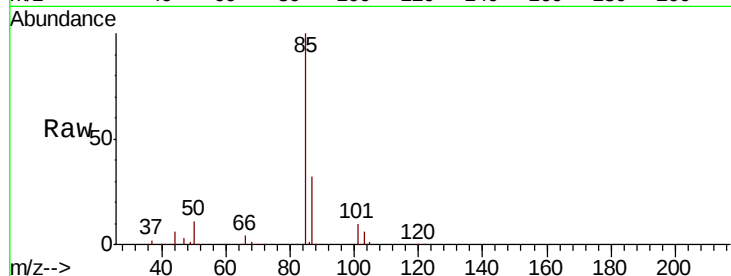
VSTD00513

Tot Ion: 85 Resp: 115485

Ion Ratio Lower Upper

85 100

87 32.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038588.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038588.D (-9) (-)

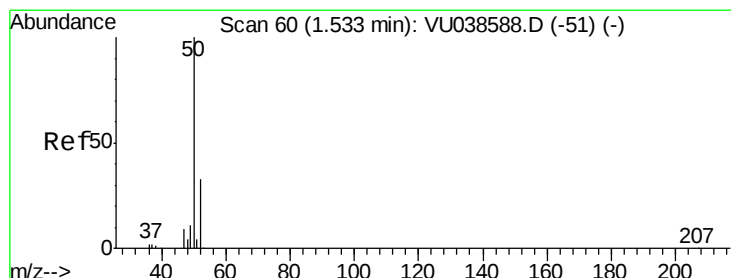
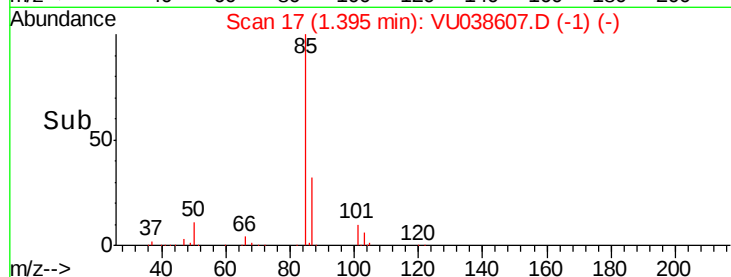
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.201 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038607.D

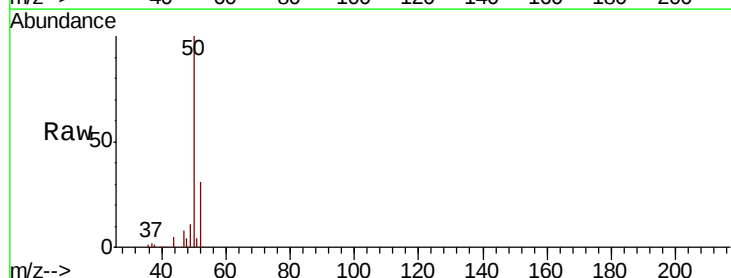
Acq: 06 Jun 2020 08:56

Tgt Ion: 50 Resp: 101367

Ion Ratio Lower Upper

50 100

52 31.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038588.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038588.D (-51) (-)

1.53

100000

80000

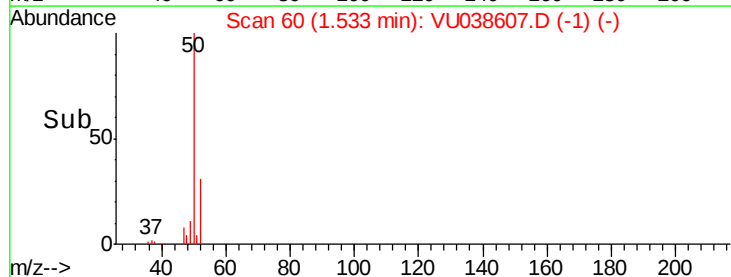
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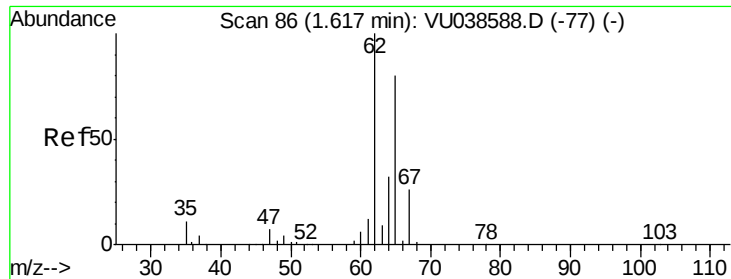
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.355 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

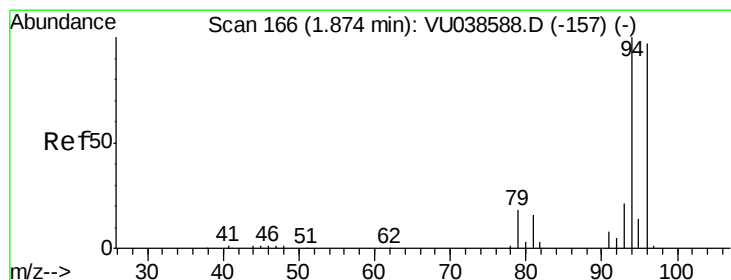
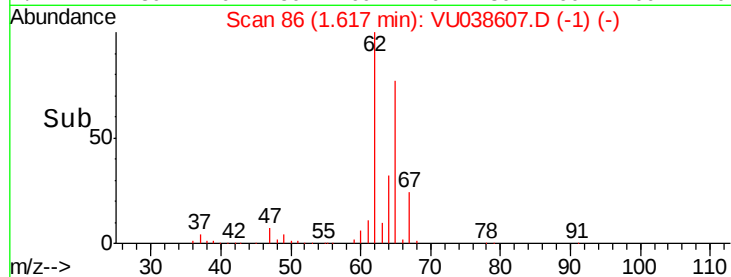
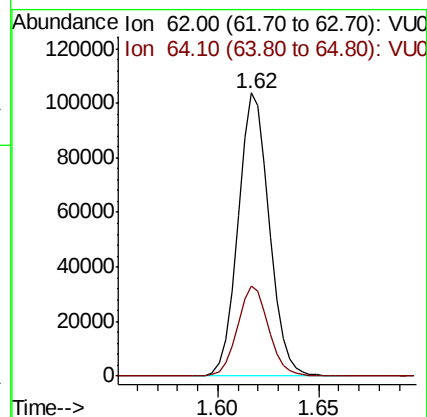
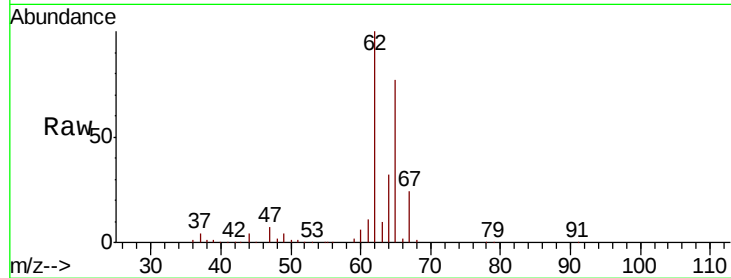
VSTD00513

Tot Ion: 62 Resp: 112569

Ion Ratio Lower Upper

62 100

64 31.7 23.7 43.9



#6

Bromomethane

Concen: 4.443 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038607.D

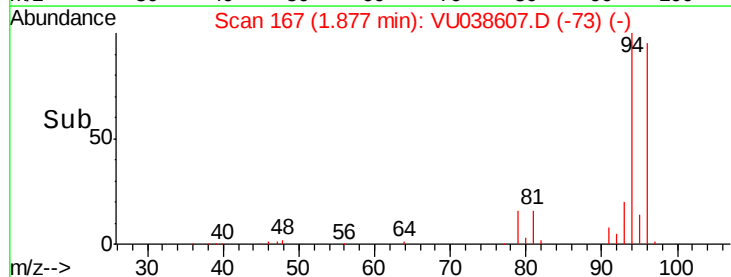
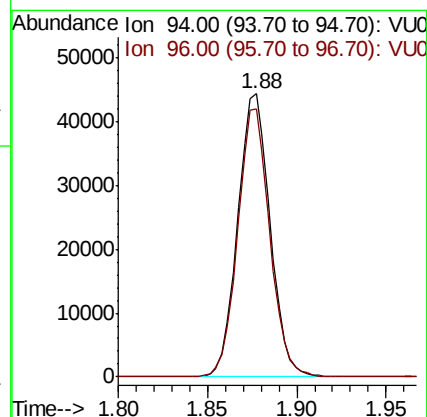
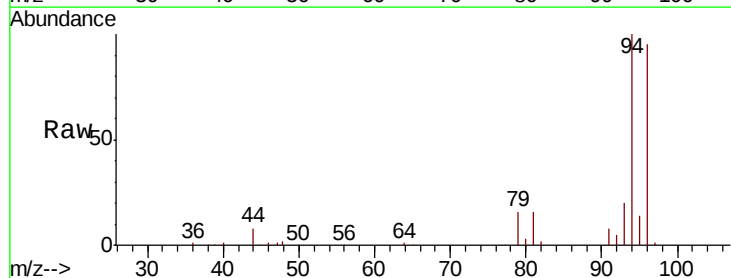
Acq: 06 Jun 2020 08:56

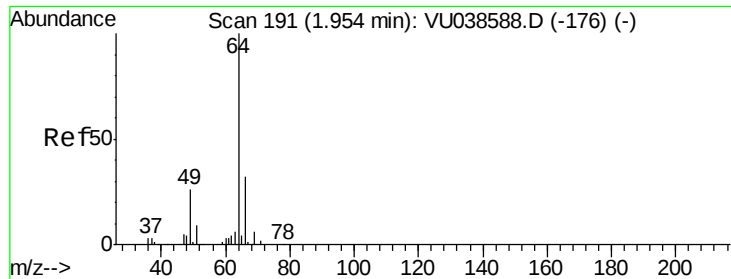
Tgt Ion: 94 Resp: 55760

Ion Ratio Lower Upper

94 100

96 94.8 65.5 121.6

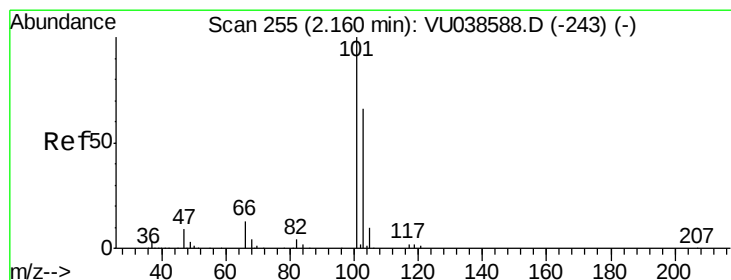
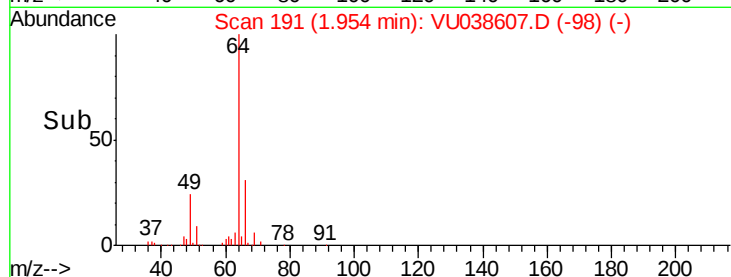
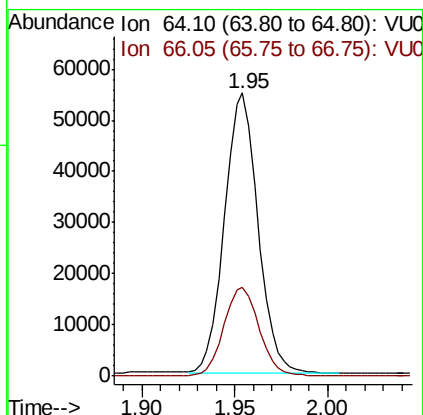
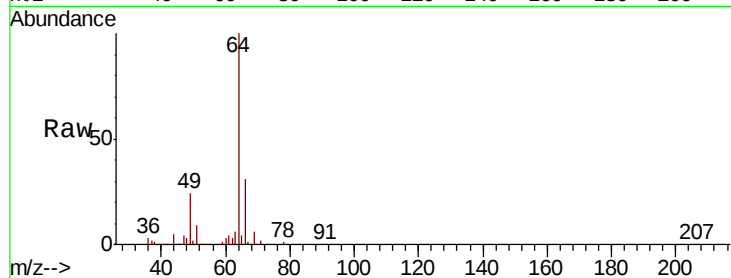




#8
Chloroethane
Concen: 4.444 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

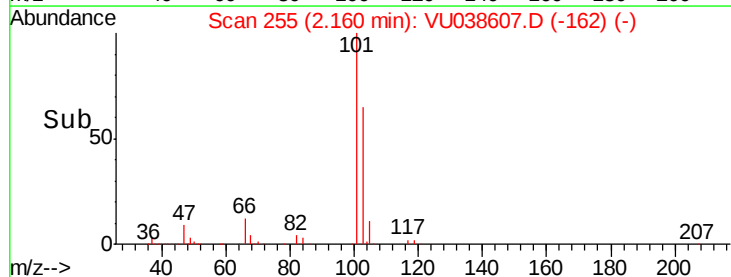
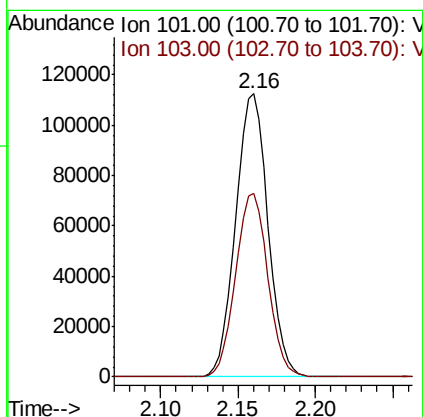
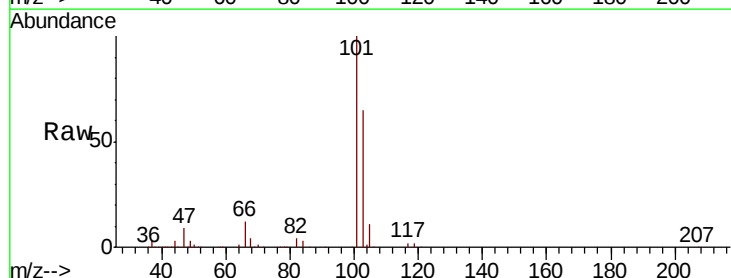
Instrument :
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VSTD00513

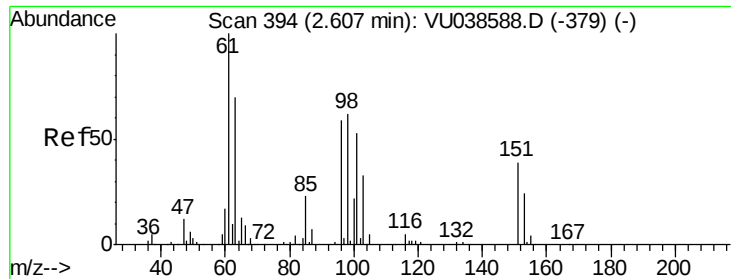
Tot Ion: 64 Resp: 68828
Ion Ratio Lower Upper
64 100
66 31.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.750 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion: 101 Resp: 162897
Ion Ratio Lower Upper
101 100
103 64.9 51.1 76.7





#10

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

Concen: 4.756 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

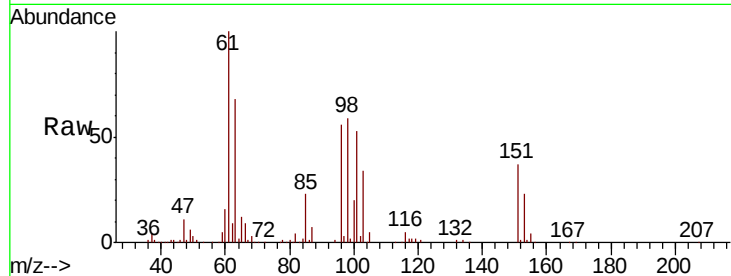
Tot Ion:101 Resp: 96051

Ion Ratio Lower Upper

101 100

85 44.1 34.0 51.0

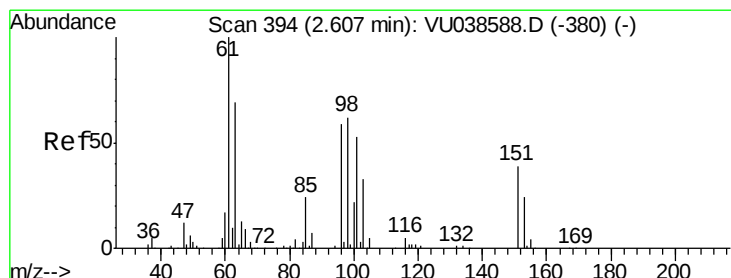
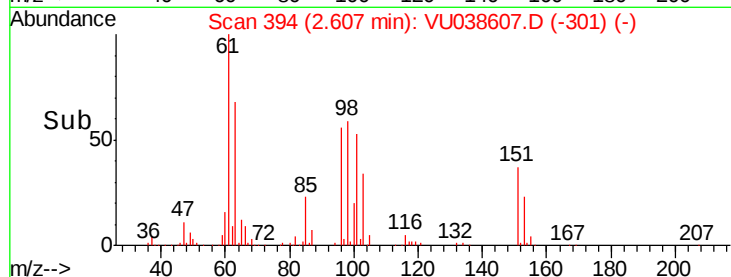
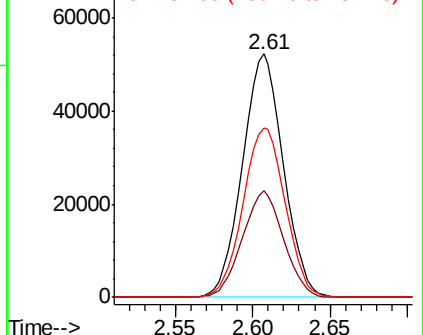
151 71.8 56.9 85.3



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: 4.511 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

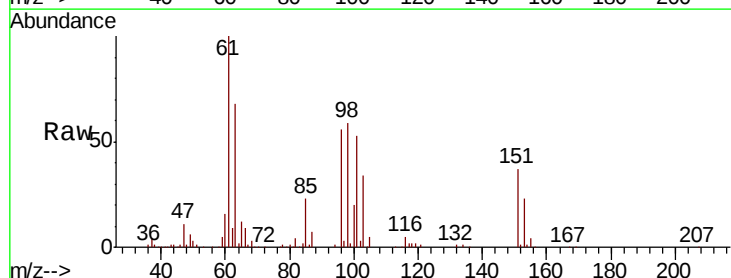
Tgt Ion: 96 Resp: 92603

Ion Ratio Lower Upper

96 100

61 178.9 119.9 222.7

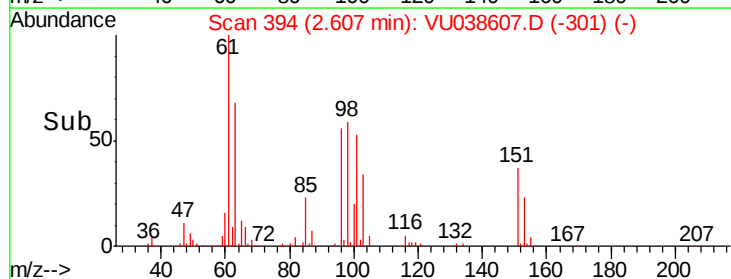
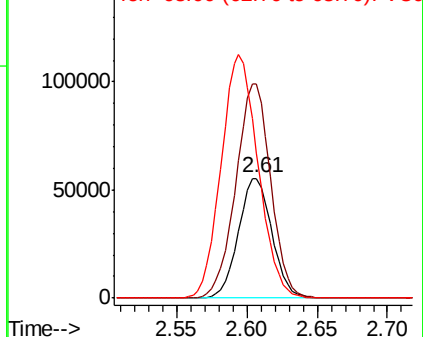
63 121.4 89.9 167.0

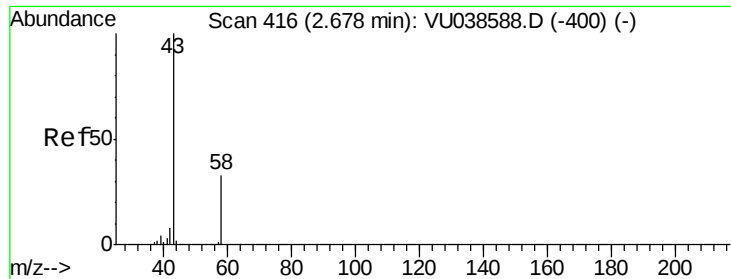


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.334 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

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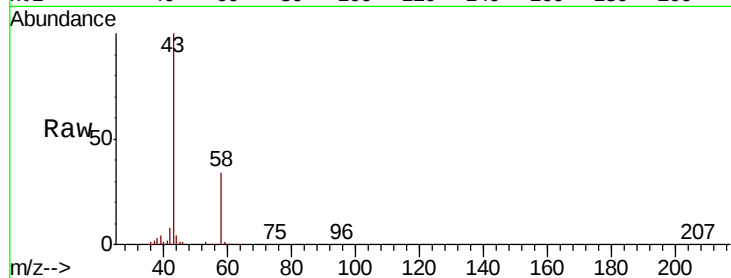
VSTD00513

Tot Ion: 43 Resp: 207309

Ion Ratio Lower Upper

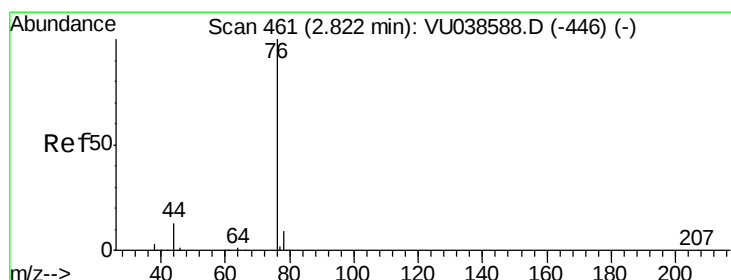
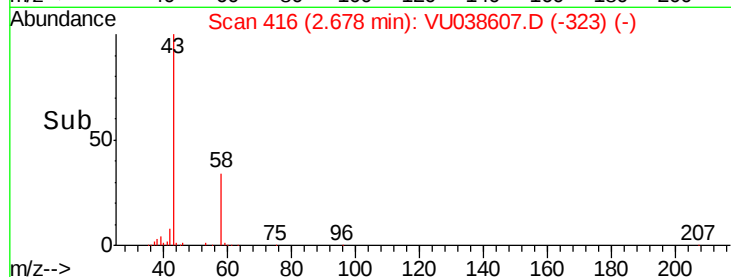
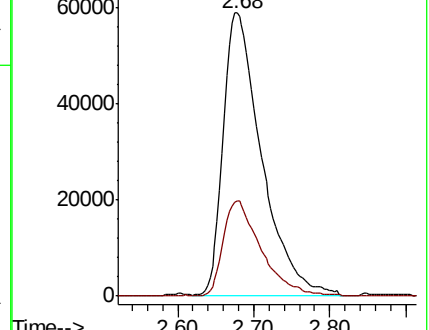
43 100

58 33.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038588.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038588.D (-400) (-)



#14

Carbon disulfide

Concen: 3.815 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038607.D

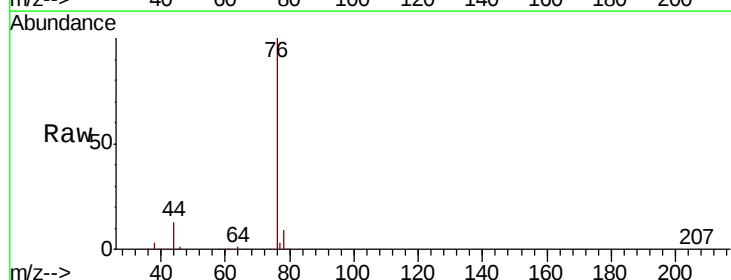
Acq: 06 Jun 2020 08:56

Tgt Ion: 76 Resp: 265733

Ion Ratio Lower Upper

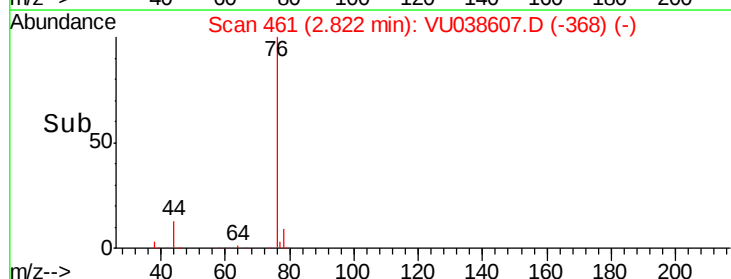
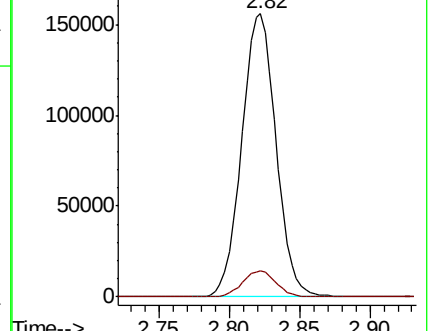
76 100

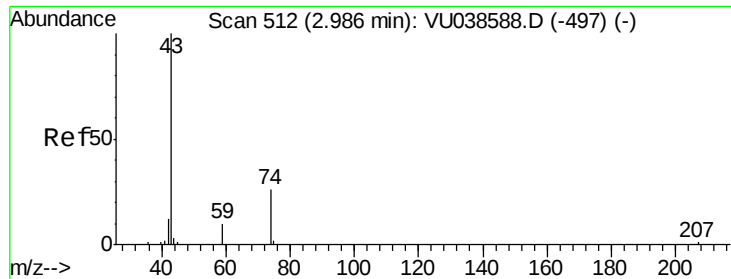
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038588.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038588.D (-446) (-)

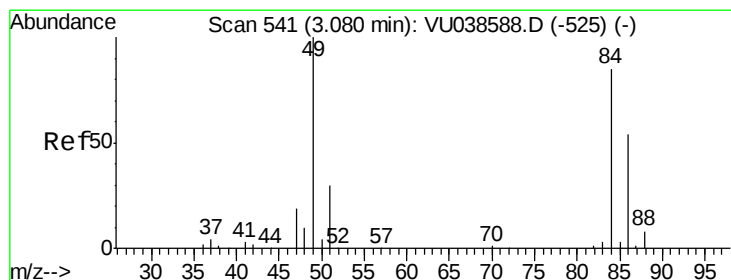
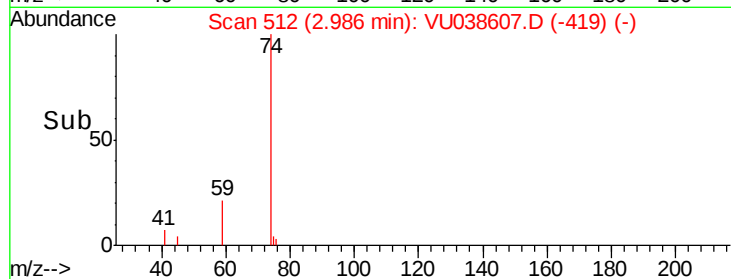
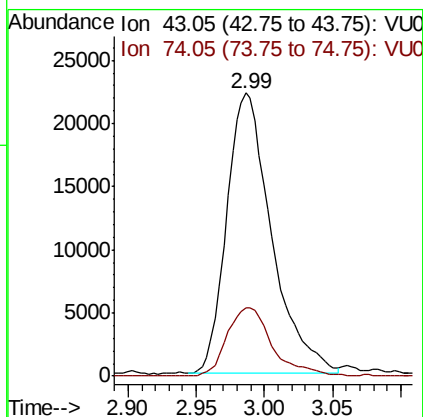
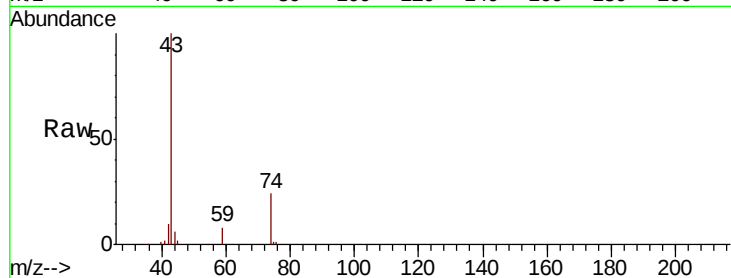




#15
Methvl Acetate
Concen: 4.833 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

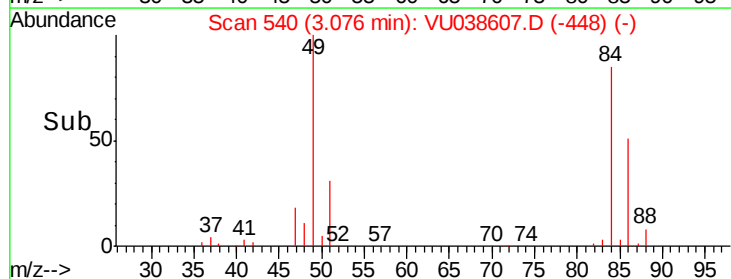
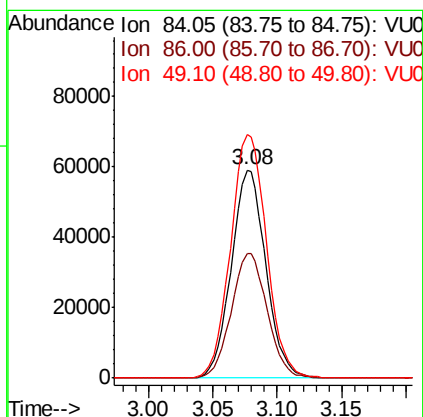
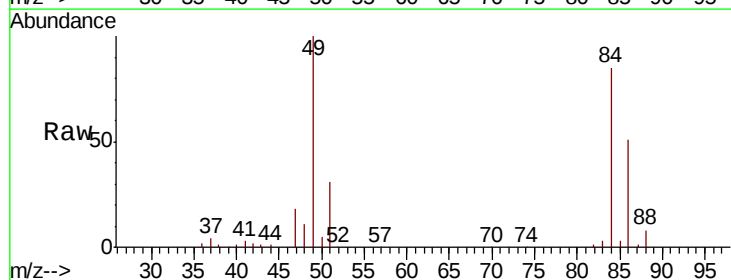
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

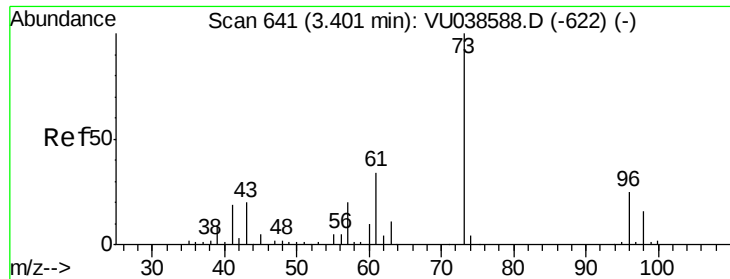
Tot Ion: 43 Resp: 50780
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



#16
Methylene chloride
Concen: 4.736 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion: 84 Resp: 110024
Ion Ratio Lower Upper
84 100
86 59.7 45.0 83.6
49 117.1 85.5 158.9

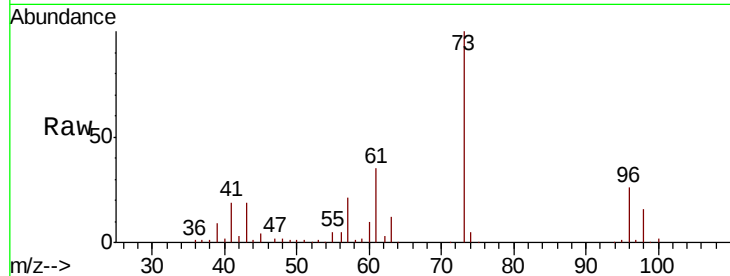




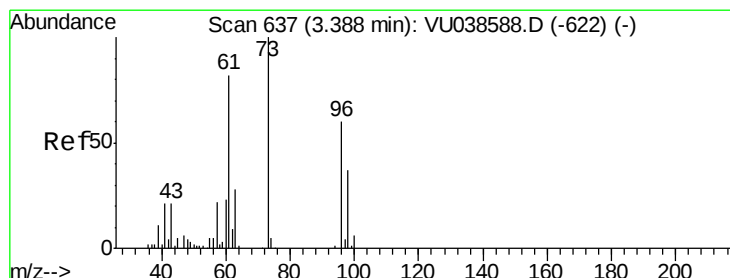
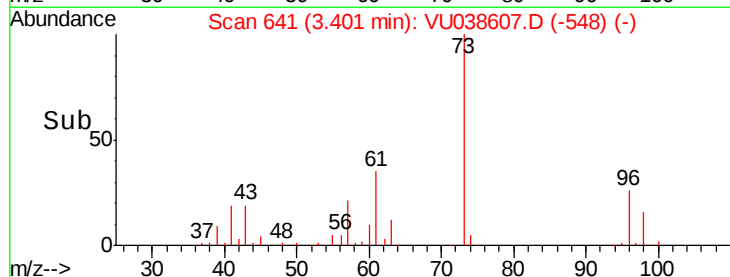
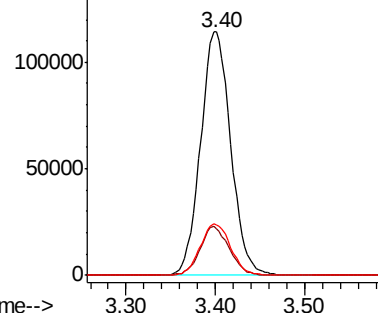
#17
Methvl tert-butvl Ether
Concen: 4.959 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 73 Resp: 266933
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.3 17.8 26.6

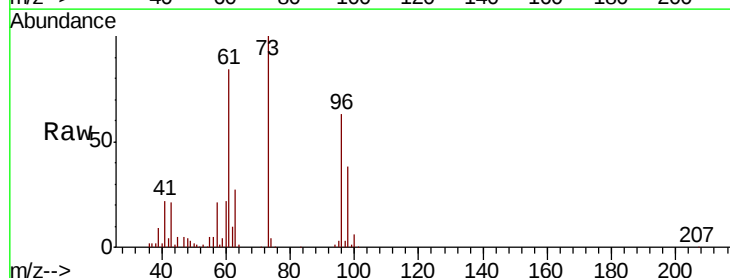


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

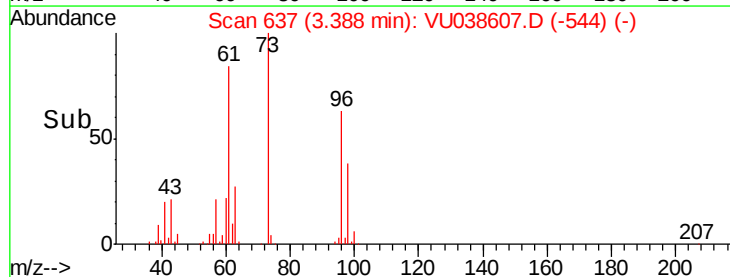
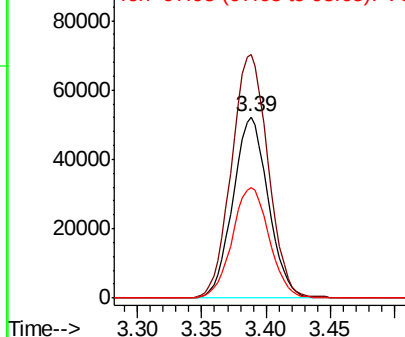


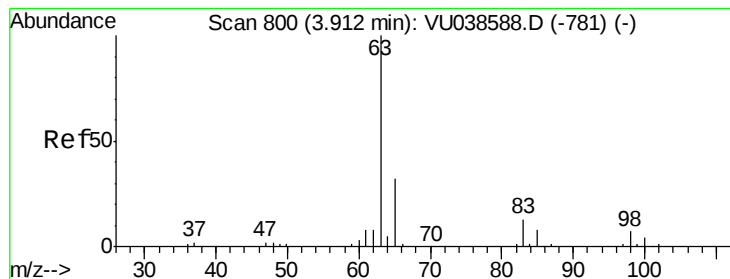
#18
trans-1,2-Dichloroethene
Concen: 4.520 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion: 96 Resp: 100005
Ion Ratio Lower Upper
96 100
61 134.1 100.2 186.0
98 60.9 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: 4.880 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

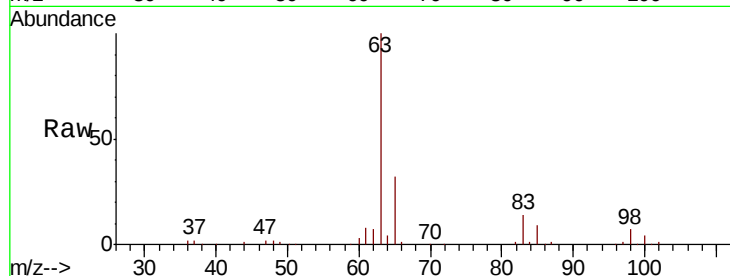
Tot Ion: 63 Resp: 193228

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

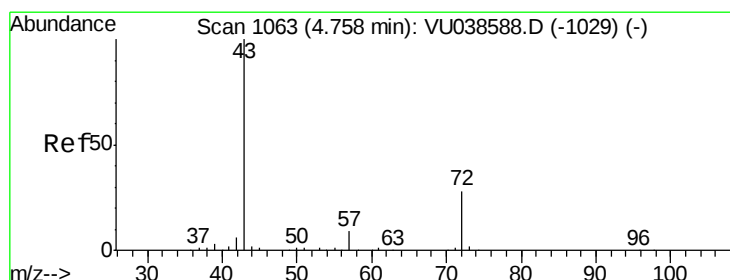
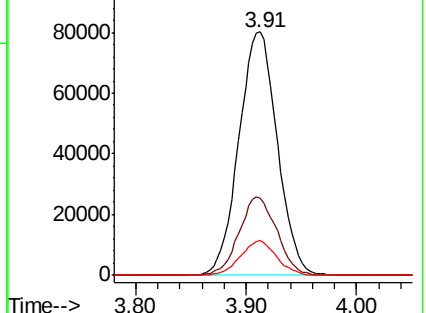
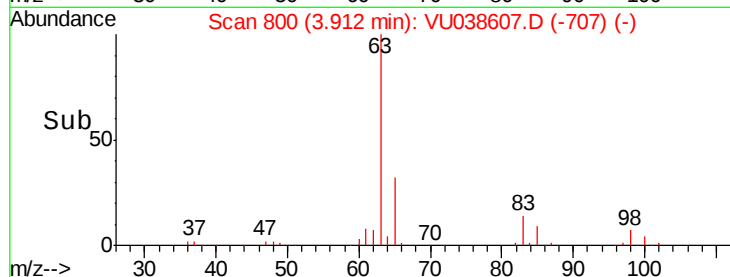
83 14.1 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038607.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU038607.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU038607.D (-707) (-)



#21

2-Butanone

Concen: 49.435 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU038607.D

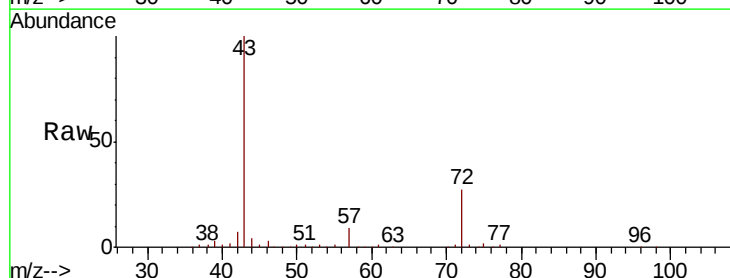
Acq: 06 Jun 2020 08:56

Tgt Ion: 43 Resp: 356629

Ion Ratio Lower Upper

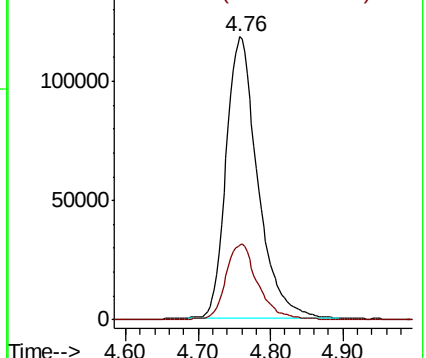
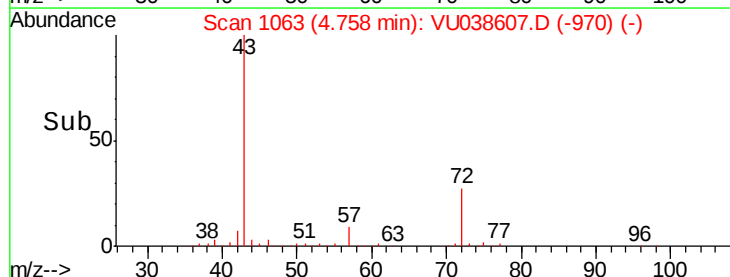
43 100

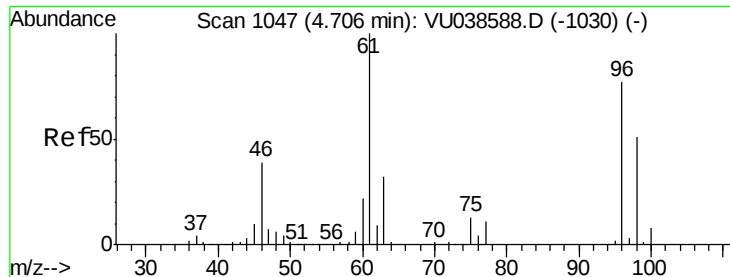
72 27.6 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU038607.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU038607.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.680 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

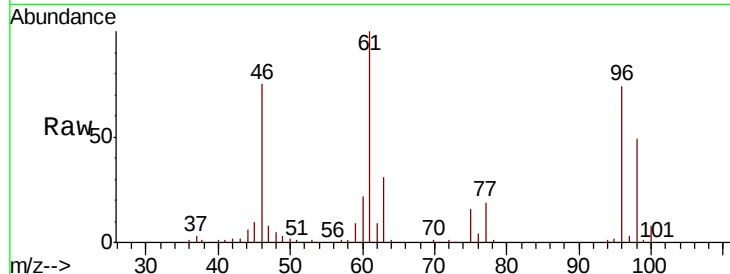
Tot Ion: 96 Resp: 111496

Ion Ratio Lower Upper

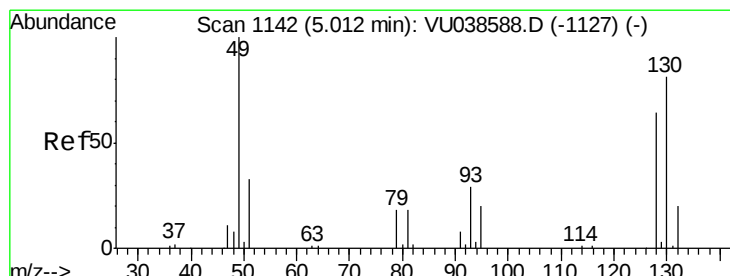
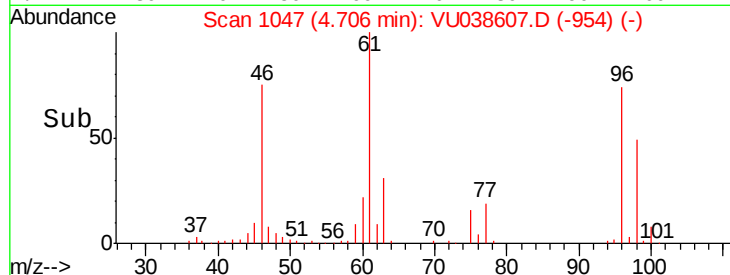
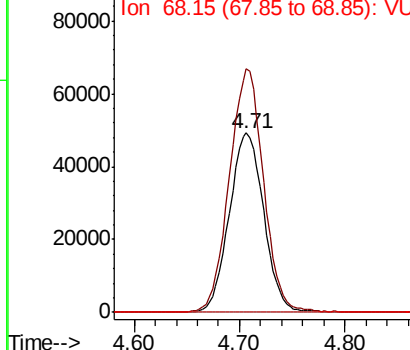
96 100

61 136.0 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: 4.729 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Tgt Ion:128 Resp: 50698

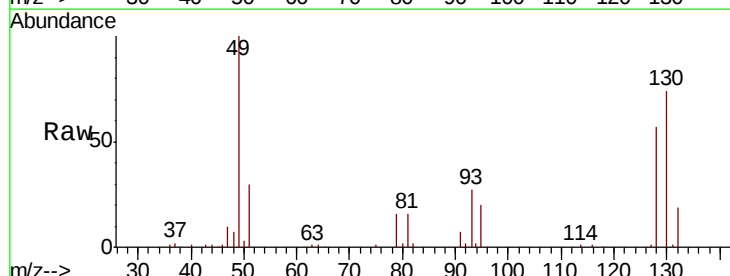
Ion Ratio Lower Upper

128 100

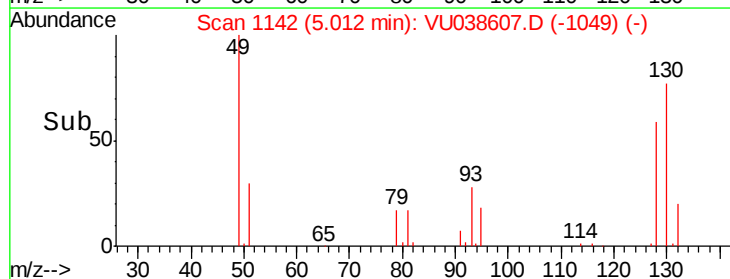
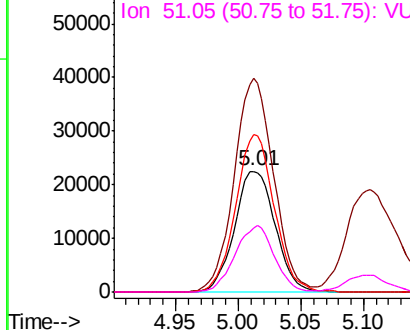
49 176.8 111.9 207.7

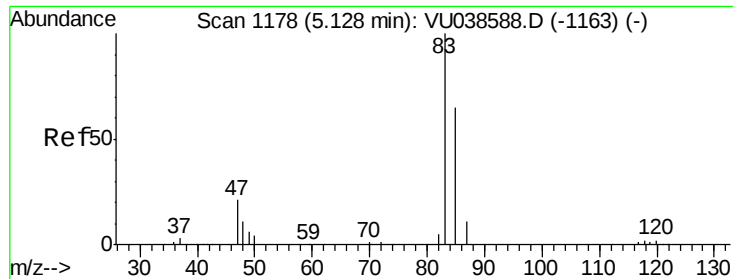
130 130.5 86.5 160.7

51 53.0 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

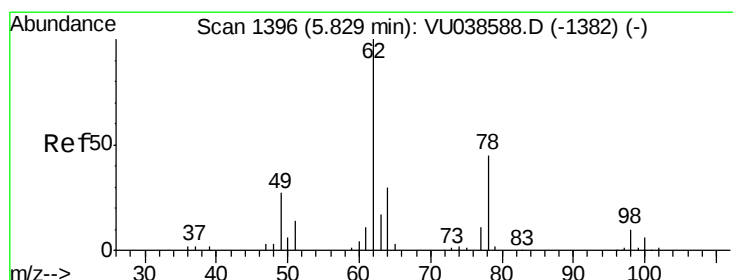
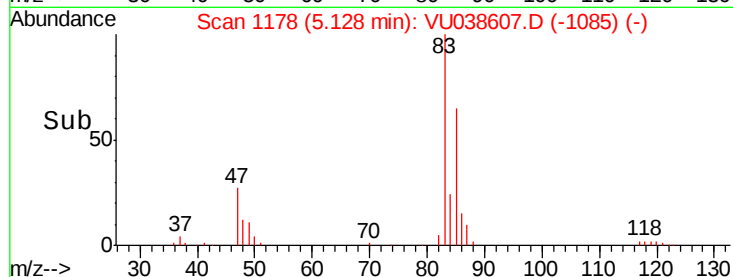
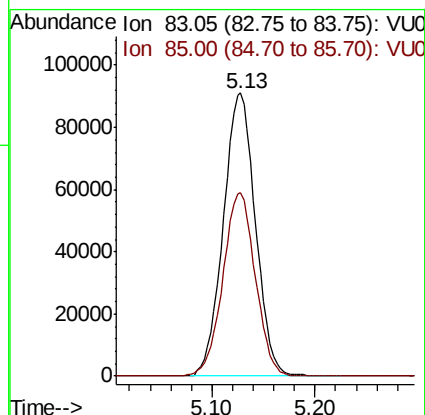
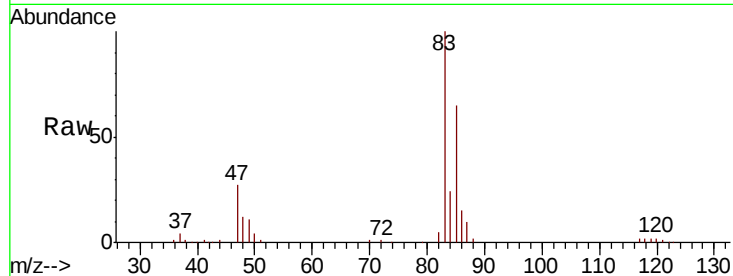




#25
Chloroform
Concen: 4.905 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

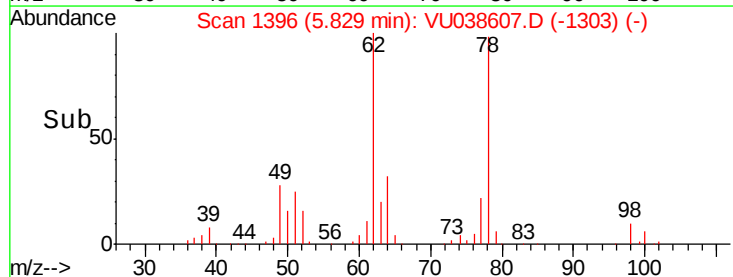
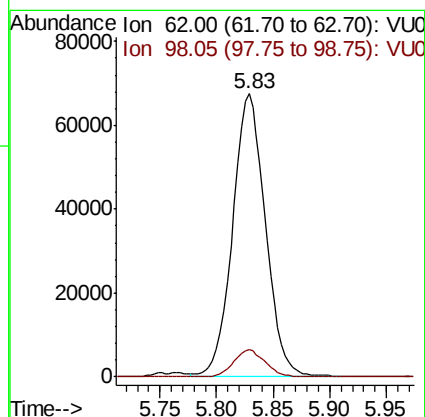
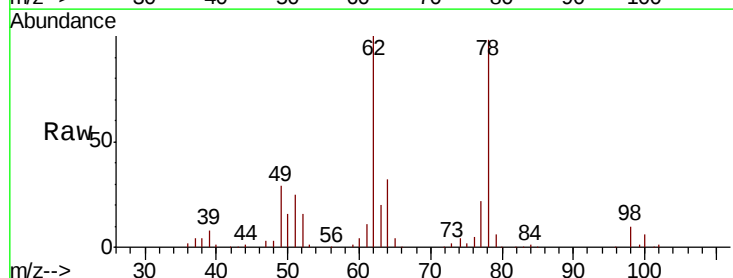
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

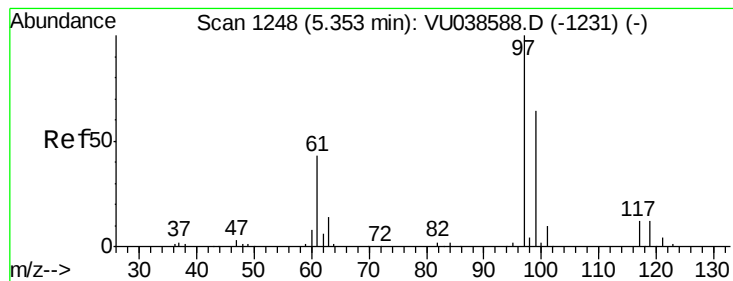
Tot Ion: 83 Resp: 197264
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.819 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion: 62 Resp: 136461
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.916 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

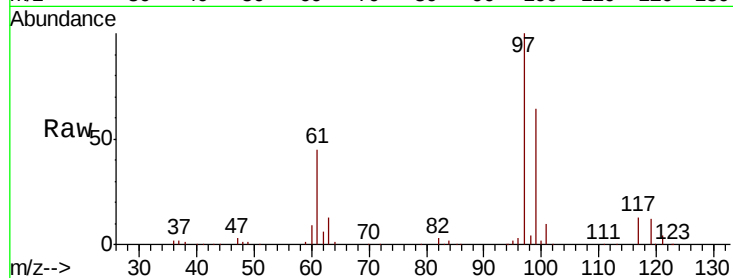
Tot Ion: 97 Resp: 170890

Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.2

61 43.9 35.4 53.2

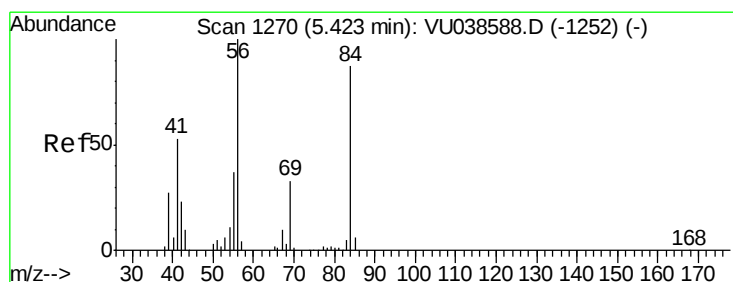
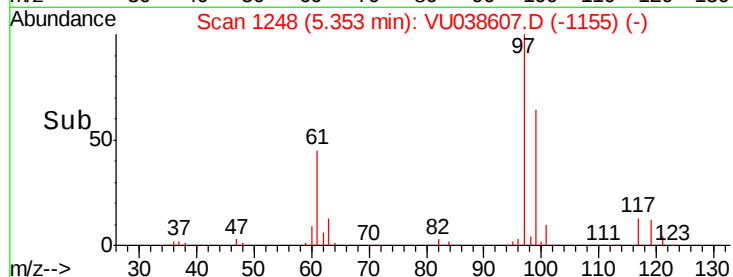
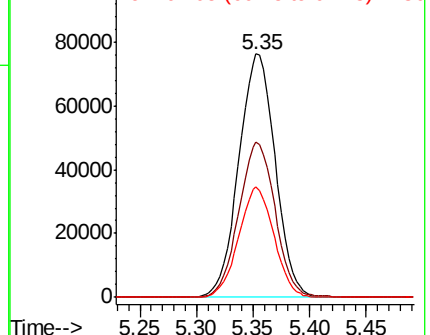


Abundance

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: 4.385 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

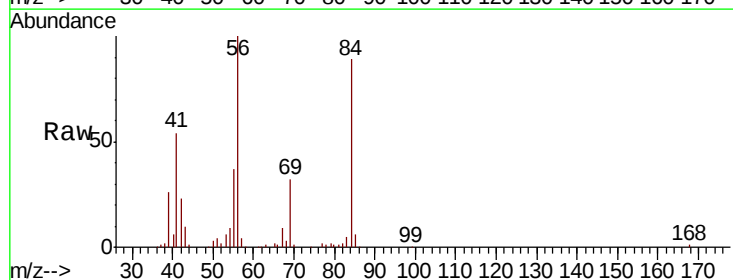
Tgt Ion: 56 Resp: 159865

Ion Ratio Lower Upper

56 100

69 31.4 24.2 36.4

84 89.3 70.8 106.2

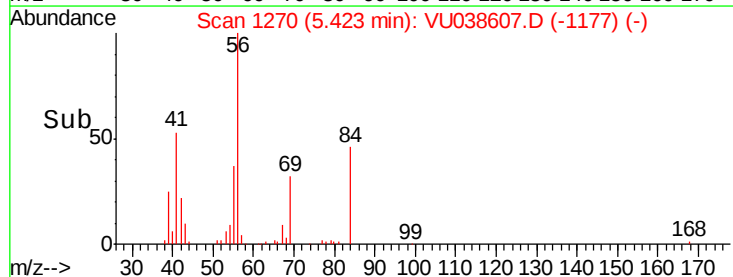
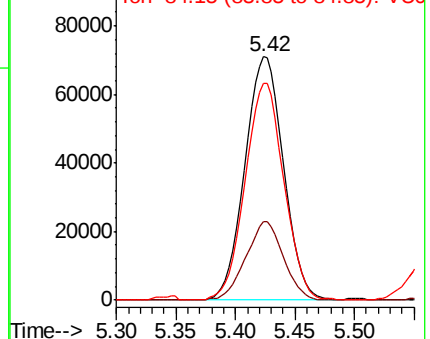


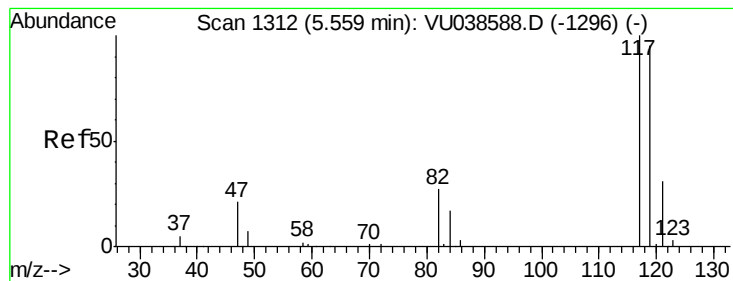
Abundance

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: 4.877 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

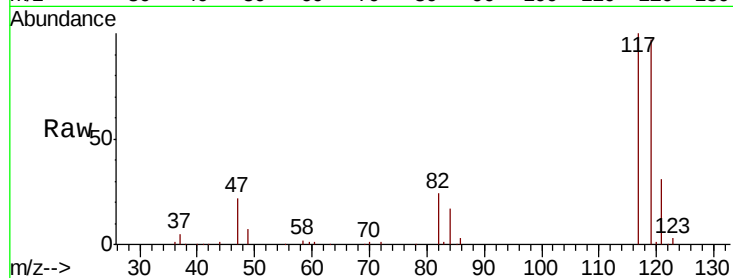
VSTD00513

Tot Ion:117 Resp: 141164

Ion Ratio Lower Upper

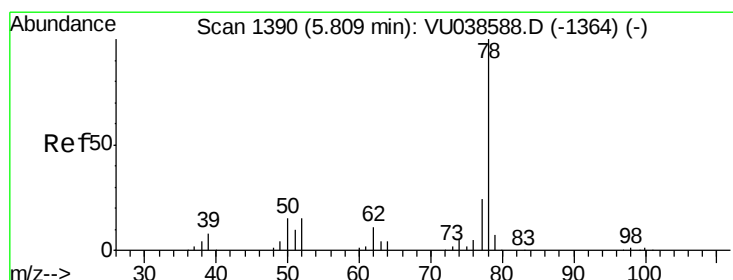
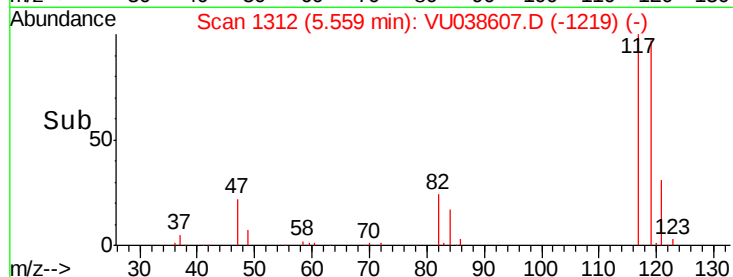
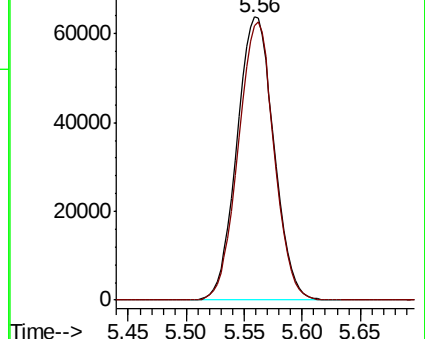
117 100

119 94.8 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: 4.690 ug/L

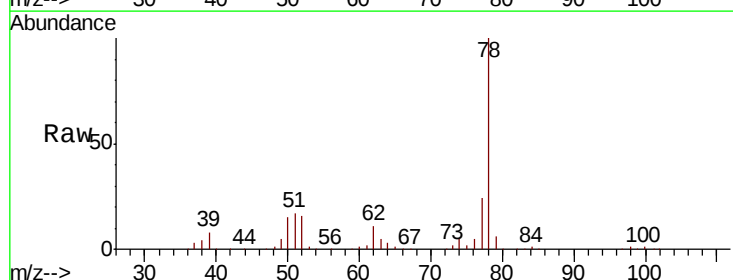
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

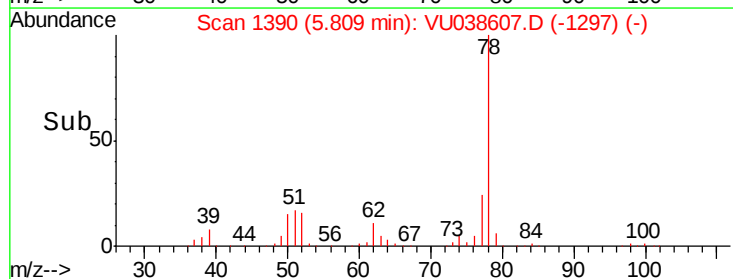
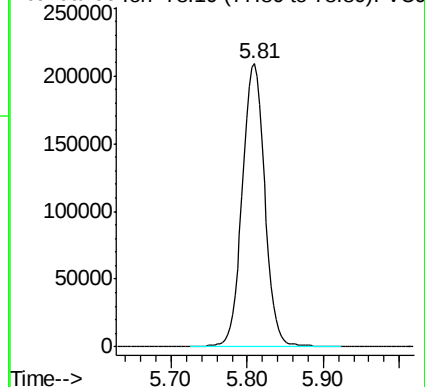
Lab File: VU038607.D

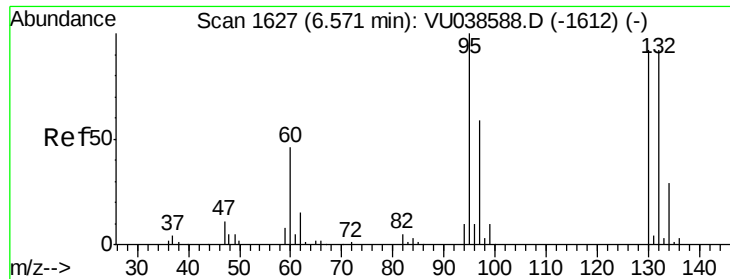
Acq: 06 Jun 2020 08:56

Tgt Ion: 78 Resp: 429682



Abundance Ion 78.10 (77.80 to 78.80): VU0

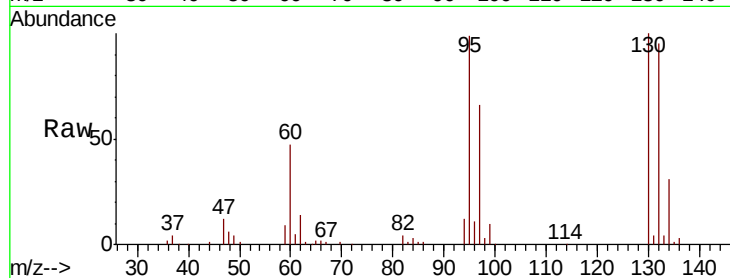




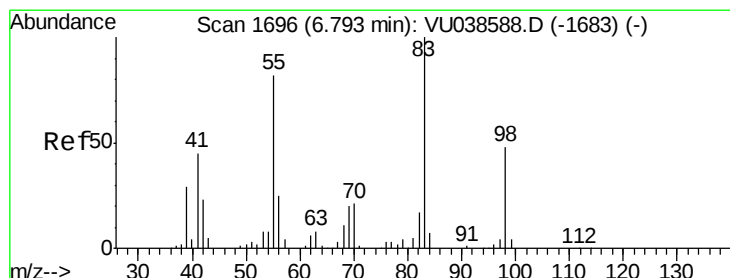
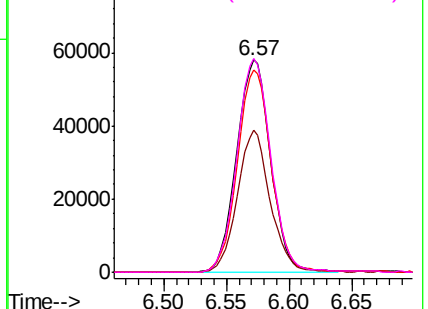
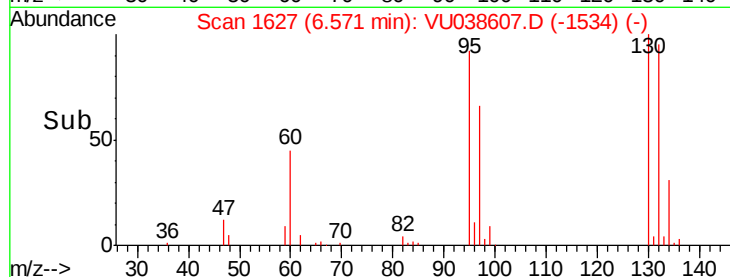
#34
 Trichloroethene
 Concen: 4.596 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 95 Resp: 109279
 Ion Ratio Lower Upper
 95 100
 97 66.7 46.8 87.0
 132 95.4 66.1 122.7
 130 100.6 70.0 130.0

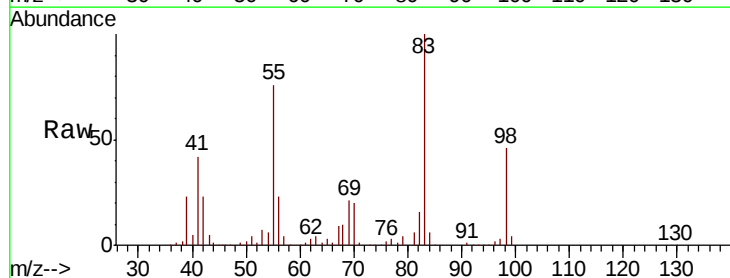


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

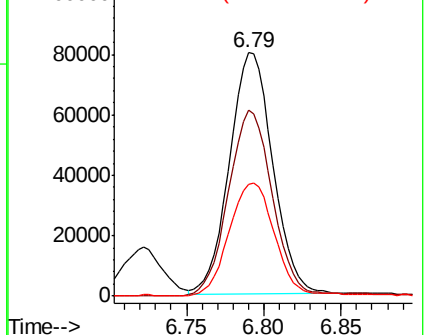
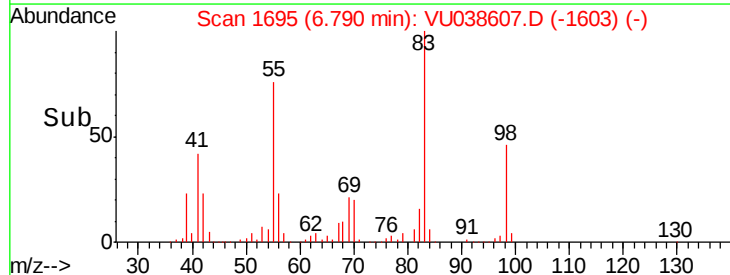


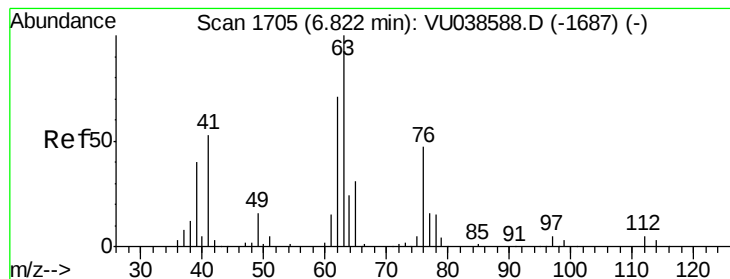
#35
 Methylcyclohexane
 Concen: 4.218 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Tgt Ion: 83 Resp: 155277
 Ion Ratio Lower Upper
 83 100
 55 78.6 63.4 95.2
 98 49.0 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: 4.888 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

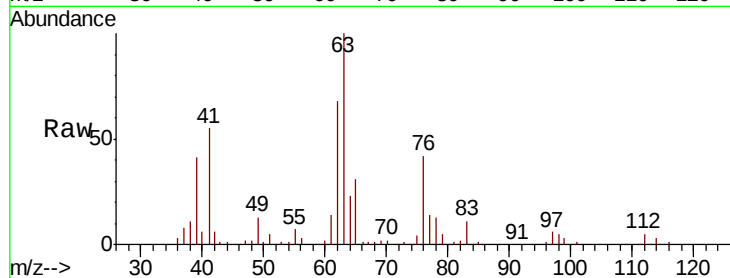
VSTD00513

Tot Ion: 63 Resp: 112685

Ion Ratio Lower Upper

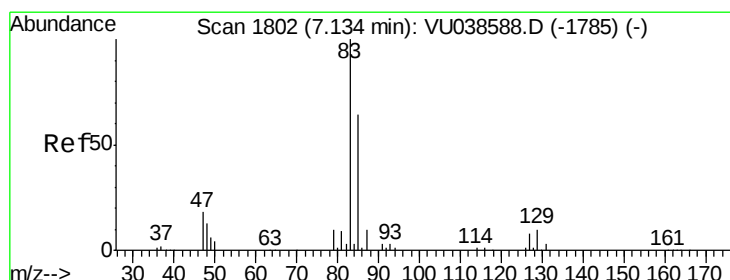
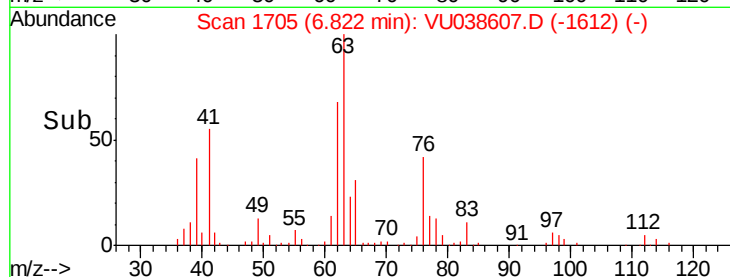
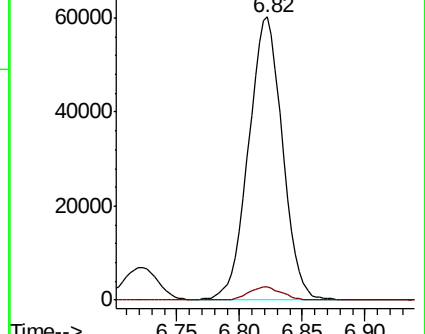
63 100

112 4.6 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038588.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038588.D (-1687) (-)



#38

Bromodichloromethane

Concen: 4.982 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

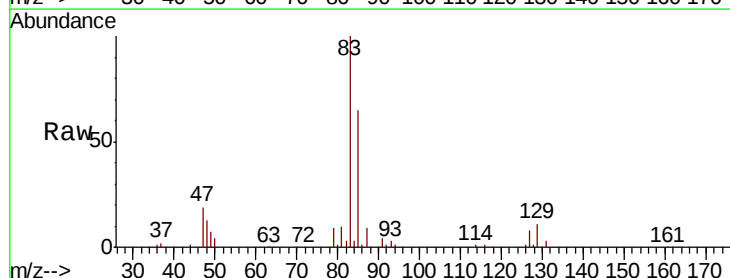
Tgt Ion: 83 Resp: 142654

Ion Ratio Lower Upper

83 100

85 65.4 44.7 83.1

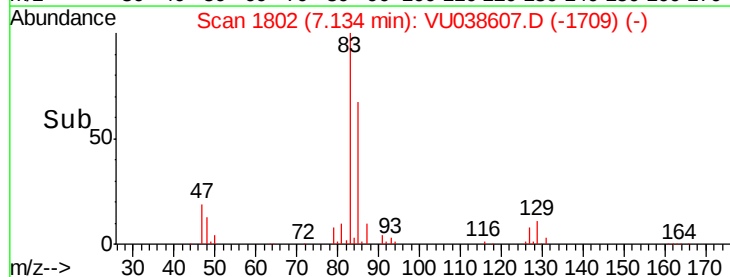
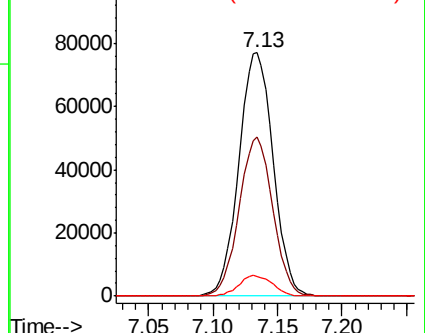
127 8.2 6.8 10.2

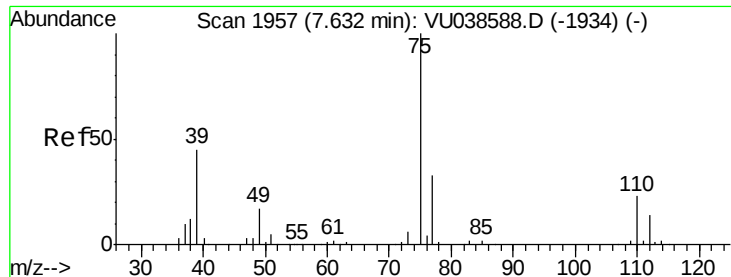


Abundance Ion 82.95 (82.65 to 83.65): VU038588.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038588.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038588.D (-1785) (-)

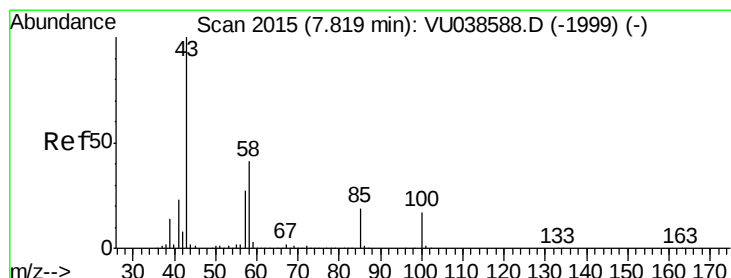
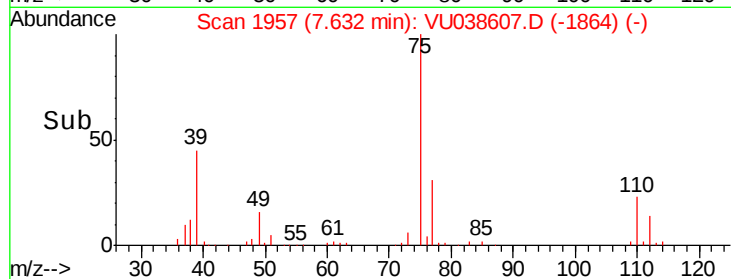
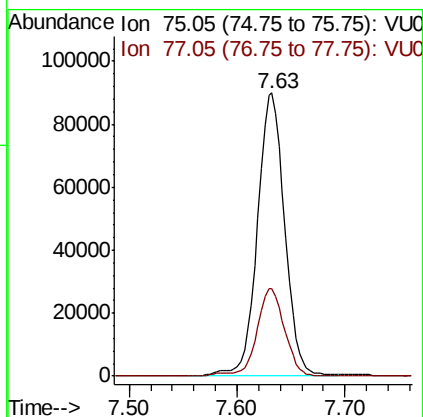
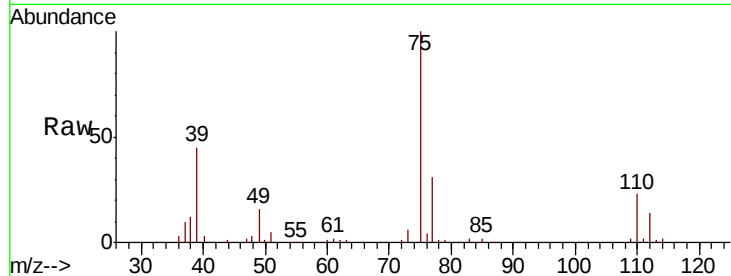




#39
 cis-1,3-Dichloropropene
 Concen: 4.628 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

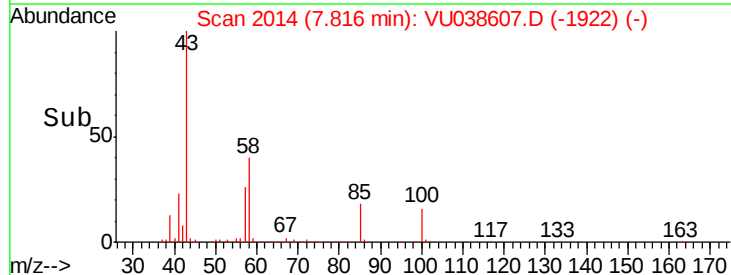
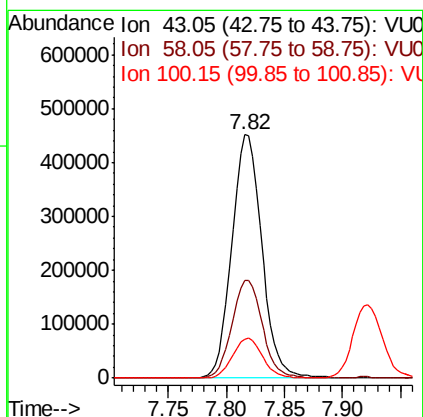
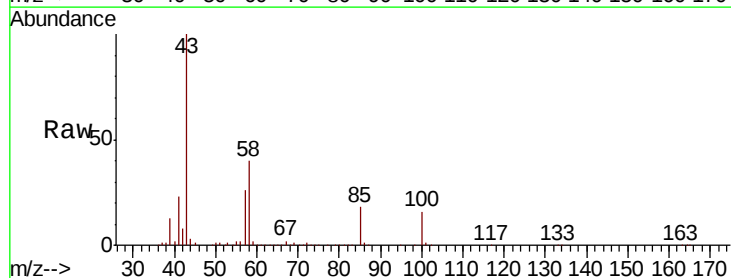
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

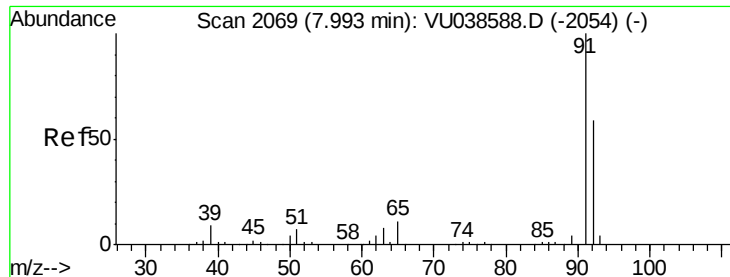
Tot Ion: 75 Resp: 157689
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 49.024 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Tgt Ion: 43 Resp: 808293
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 16.4 13.3 19.9





#42

Toluene

Concen: 4.739 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

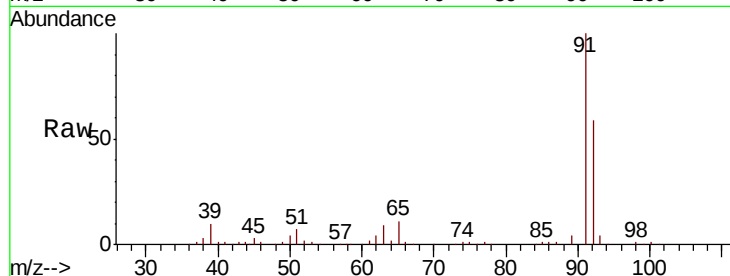
VSTD00513

Tot Ion: 91 Resp: 455353

Ion Ratio Lower Upper

91 100

92 59.5 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038588.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038588.D (-2054) (-)

7.99

250000

200000

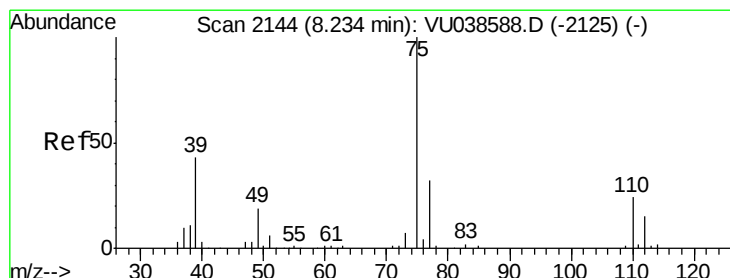
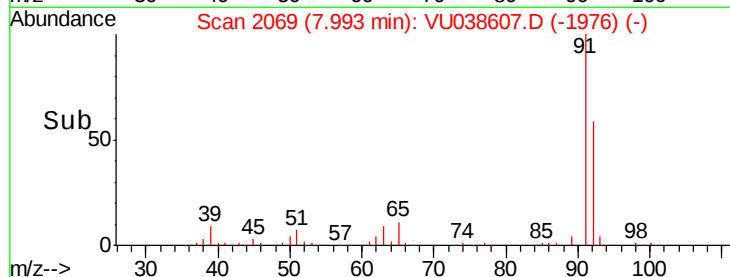
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.539 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038607.D

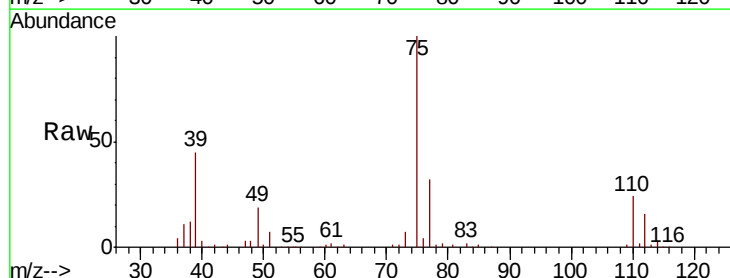
Acq: 06 Jun 2020 08:56

Tgt Ion: 75 Resp: 136578

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038588.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038588.D (-2125) (-)

8.23

80000

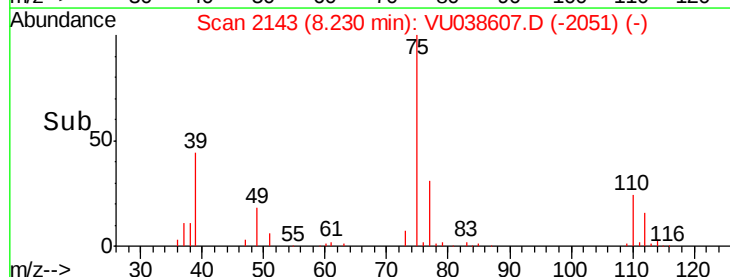
60000

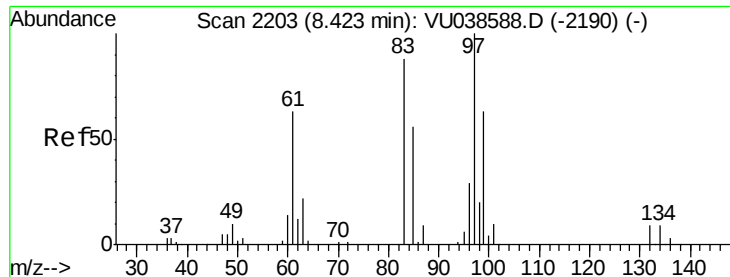
40000

20000

0

Time-->

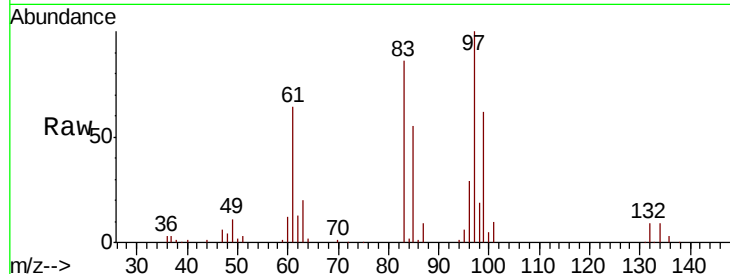




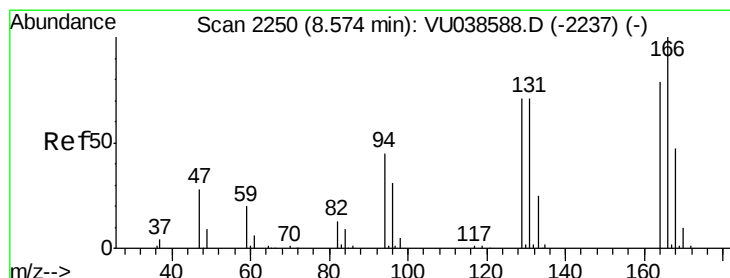
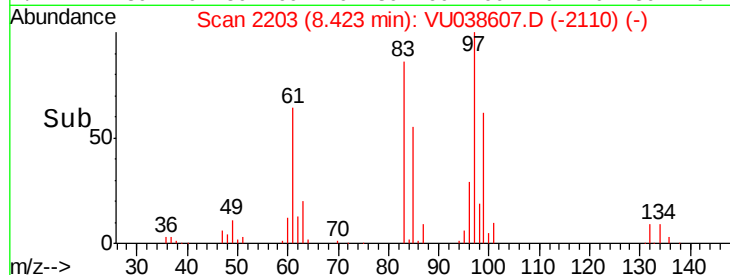
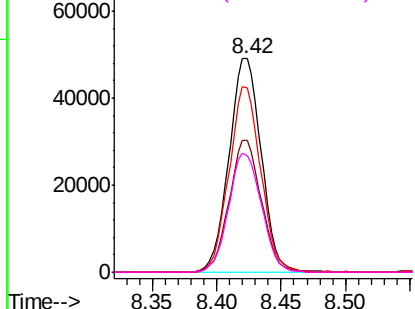
#45
 1,1,2-Trichloroethane
 Concen: 4.891 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	85062
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.1	78.1
83	86.4	58.8	109.2
85	54.8	37.4	69.4

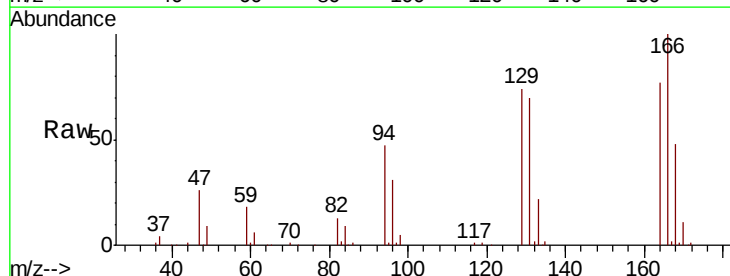


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

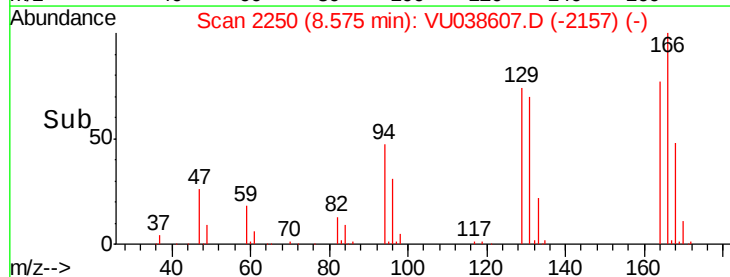
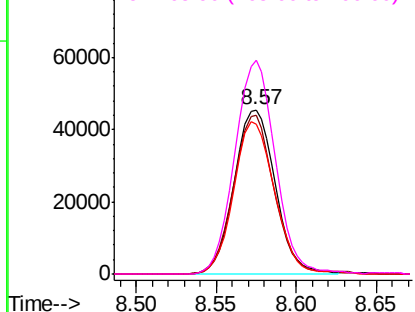


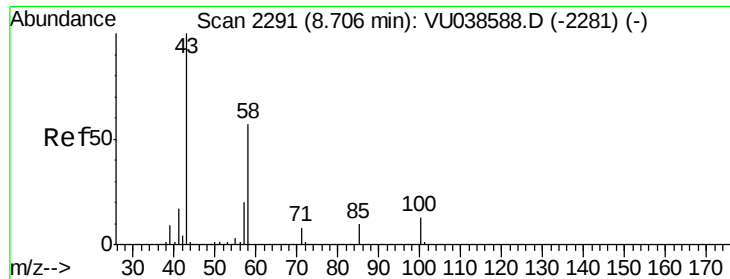
#47
 Tetrachloroethene
 Concen: 4.598 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Tgt Ion:	164	Resp:	79431
Ion	Ratio	Lower	Upper
164	100		
129	96.5	67.4	125.2
131	91.4	64.1	119.1
166	129.9	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

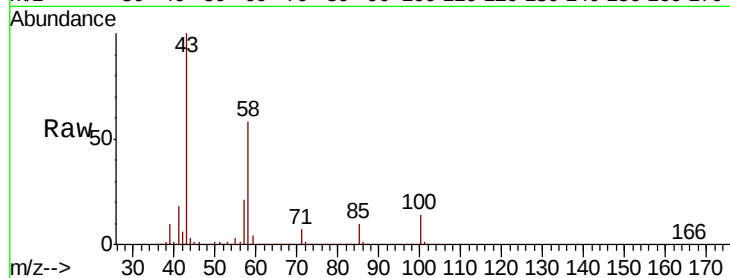




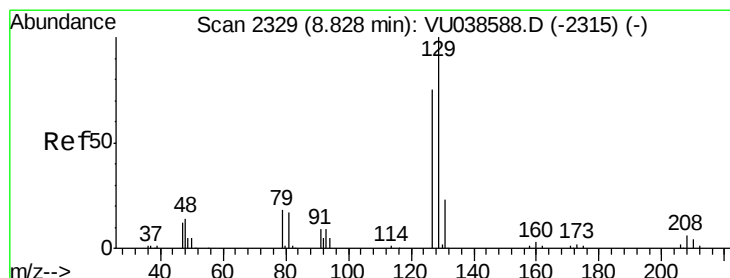
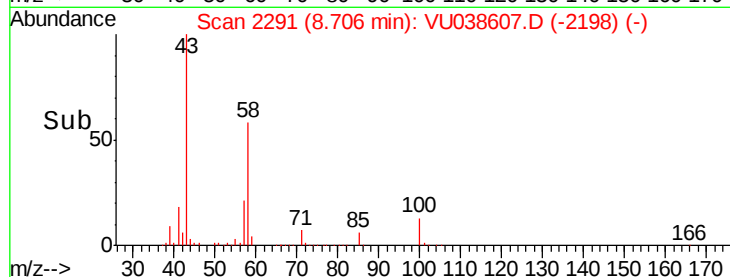
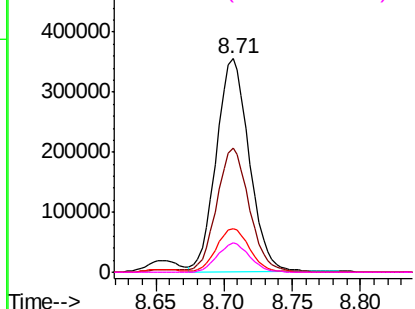
#48
2-Hexanone
Concen: 47.956 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:	43	Resp:	598798
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.4	68.0
57	20.6	15.9	23.9
100	13.5	10.5	15.7

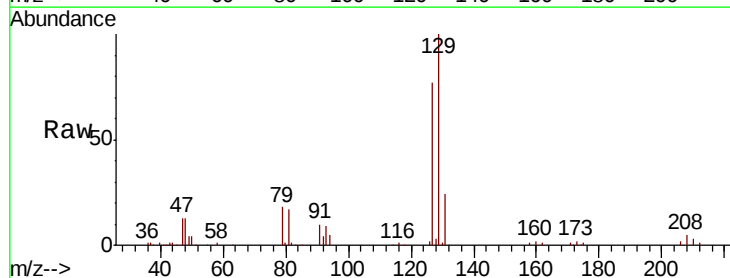


Abundance Ion 43.05 (42.75 to 43.75): VU038588.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038588.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038588.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038588.D (-2281) (-)

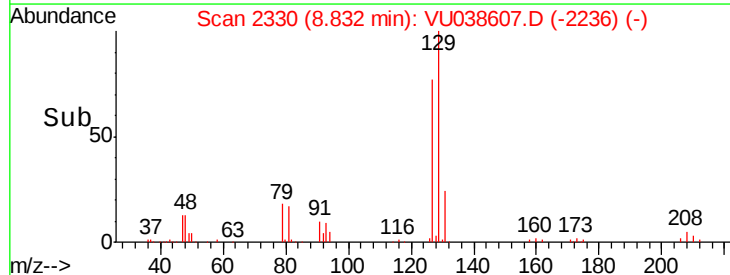
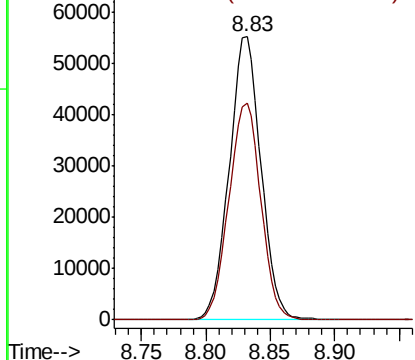


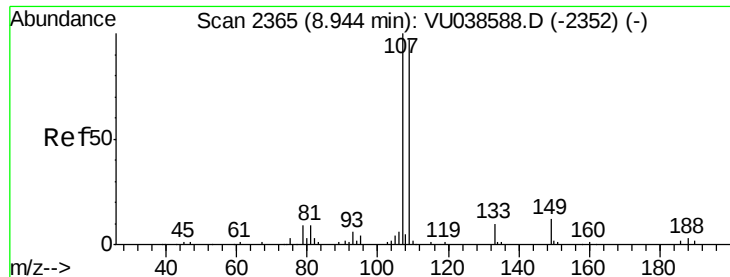
#49
Dibromochloromethane
Concen: 5.013 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion:	129	Resp:	94123
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038588.D (-2315) (-)
Ion 126.90 (126.60 to 127.60): VU038588.D (-2315) (-)

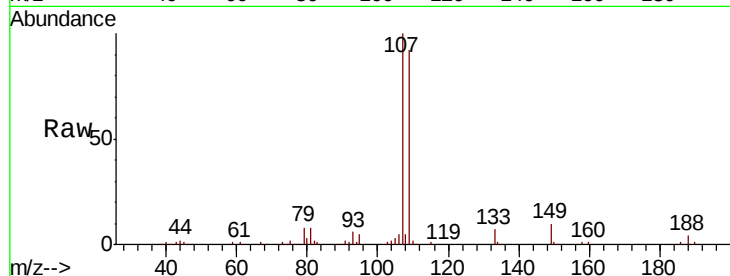




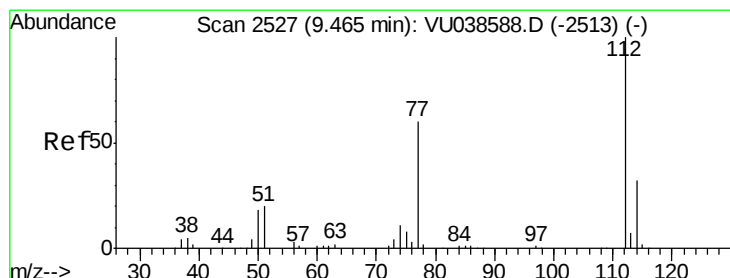
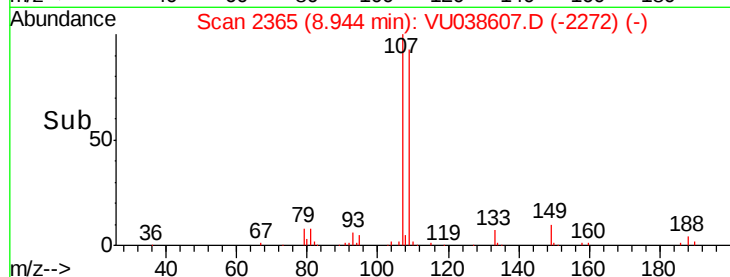
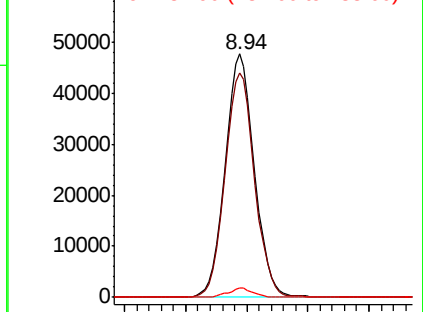
#50
1,2-Dibromoethane
Concen: 4.780 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:107 Resp: 79610
Ion Ratio Lower Upper
107 100
109 92.3 67.0 124.4
188 3.9 3.0 4.4

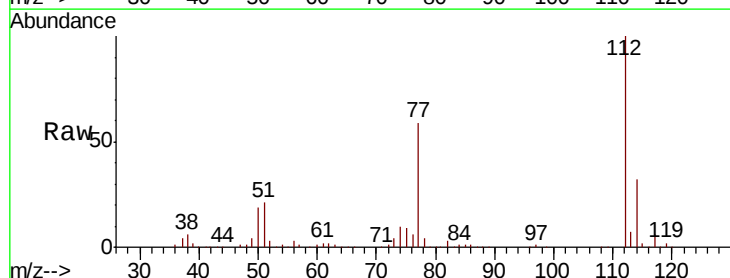


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

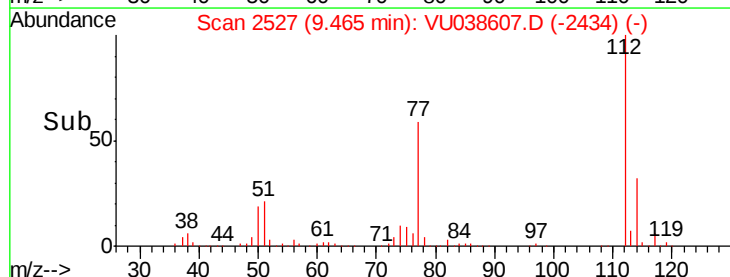
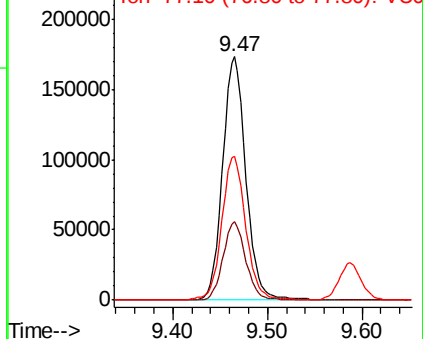


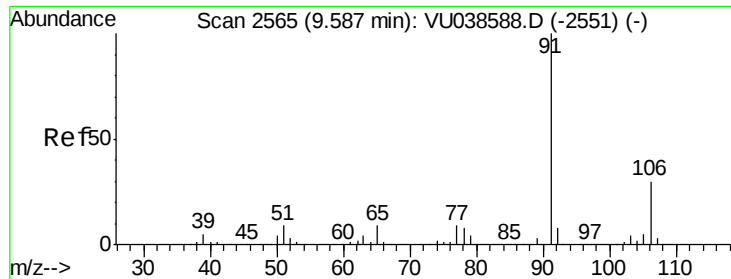
#51
Chlorobenzene
Concen: 4.772 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion:112 Resp: 295744
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 59.1 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: 4.736 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

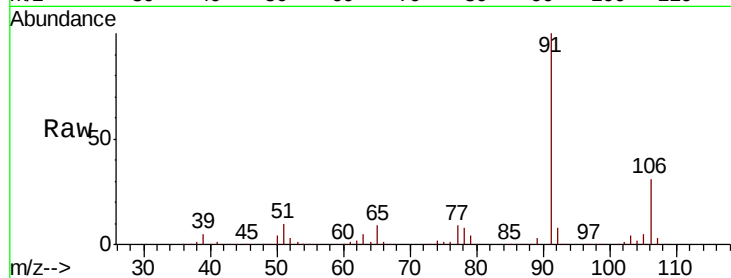
VSTD00513

Tot Ion: 91 Resp: 506371

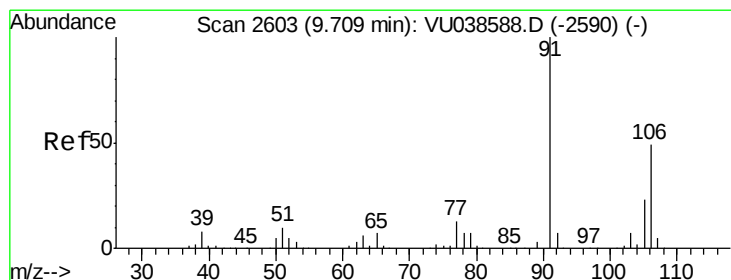
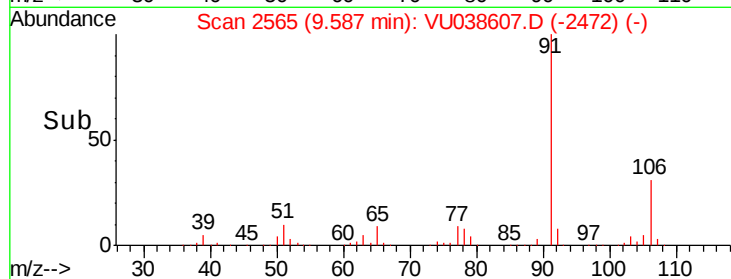
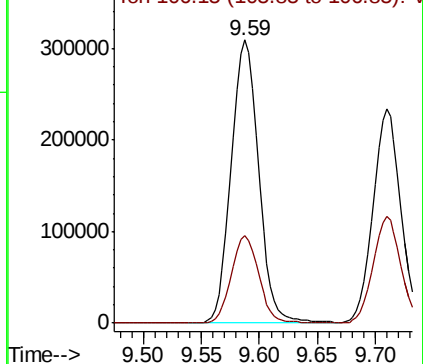
Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038588.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.716 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038607.D

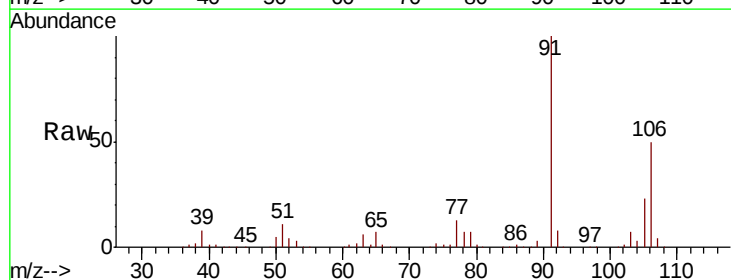
Acq: 06 Jun 2020 08:56

Tgt Ion: 106 Resp: 193895

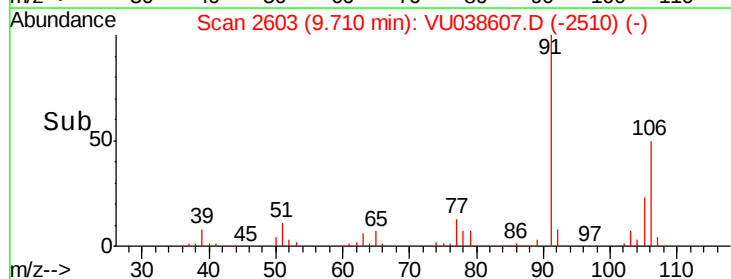
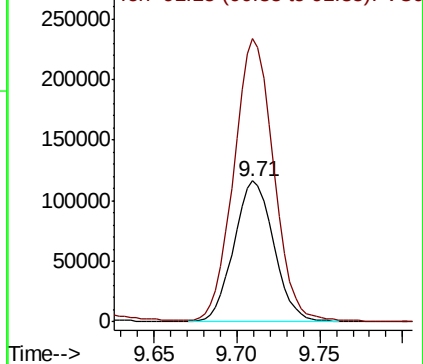
Ion Ratio Lower Upper

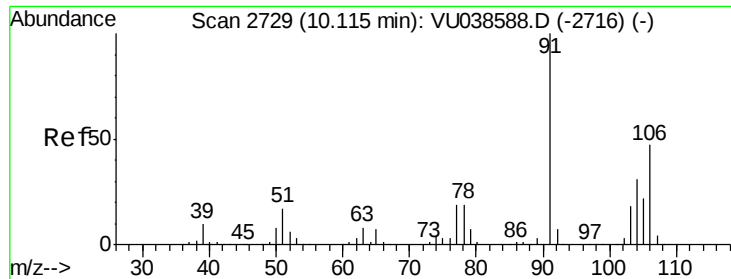
106 100

91 201.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038588.D (-2590) (-)

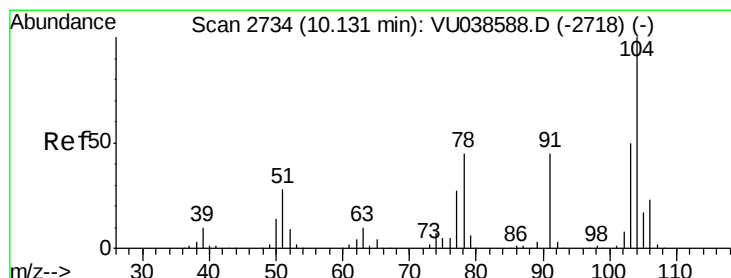
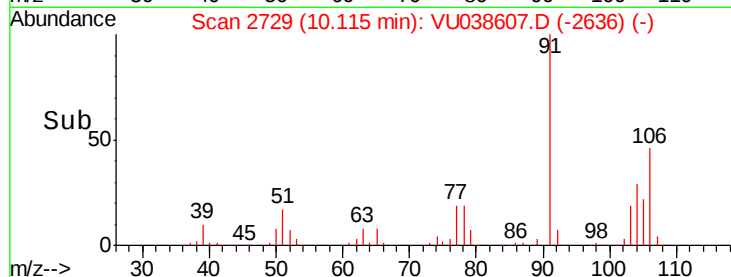
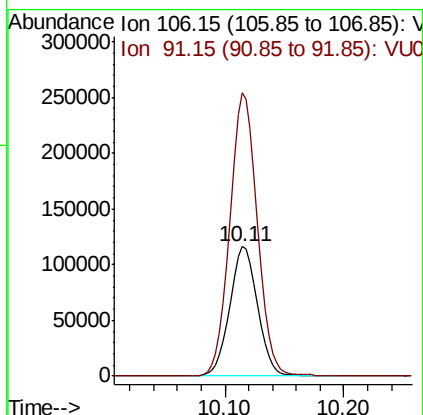
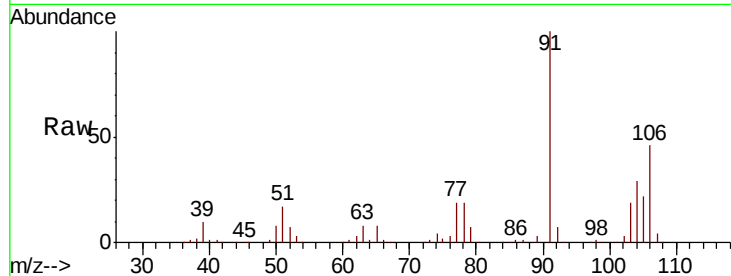




#54
o-Xylene
Concen: 4.774 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

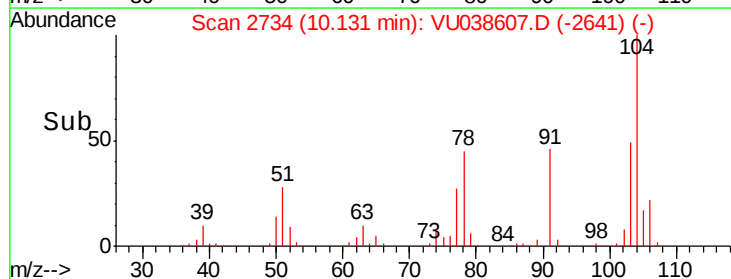
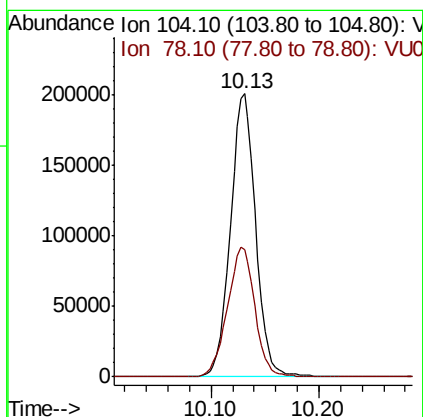
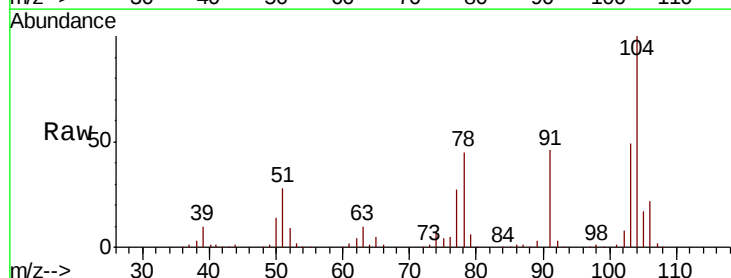
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

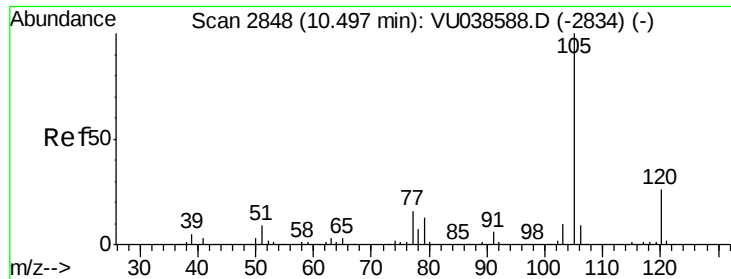
Tot Ion:106 Resp: 188437
Ion Ratio Lower Upper
106 100
91 218.5 150.6 279.8



#55
Styrene
Concen: 4.880 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038607.D
Acq: 06 Jun 2020 08:56

Tgt Ion:104 Resp: 326980
Ion Ratio Lower Upper
104 100
78 45.1 31.9 59.3





#56

Isopropylbenzene

Concen: 4.886 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

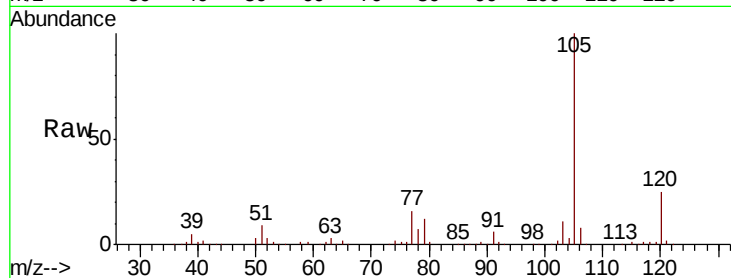
Tot Ion:105 Resp: 507634

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

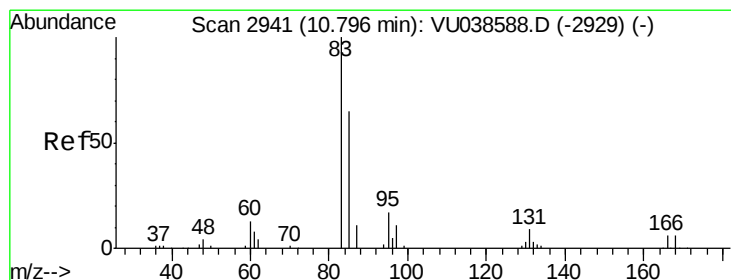
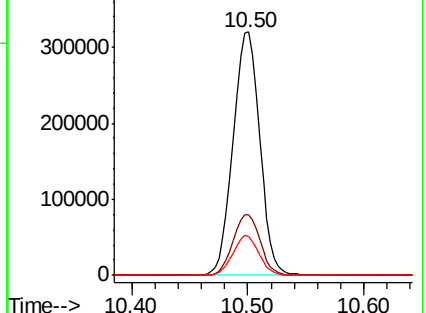
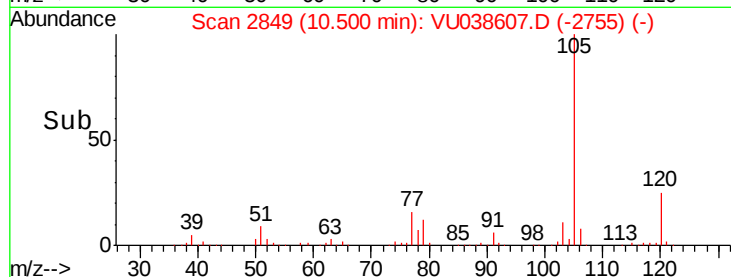
77 15.9 12.5 18.7



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: 4.819 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

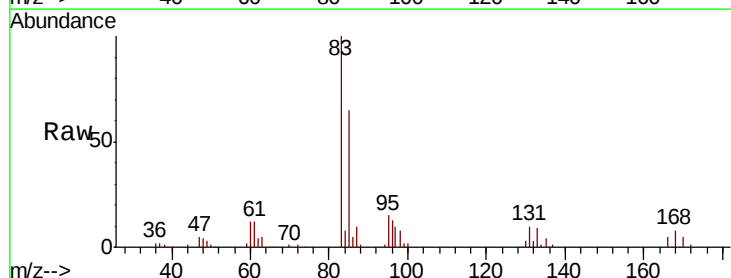
Tgt Ion: 83 Resp: 106514

Ion Ratio Lower Upper

83 100

85 65.2 44.2 82.0

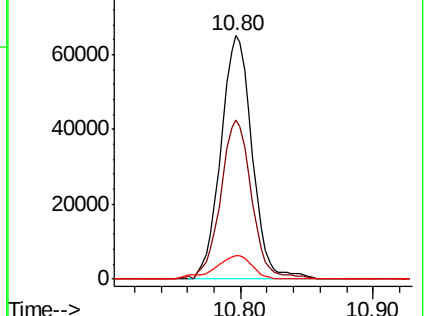
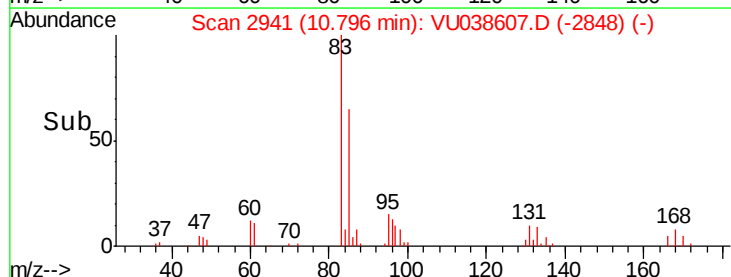
131 9.6 8.1 12.1

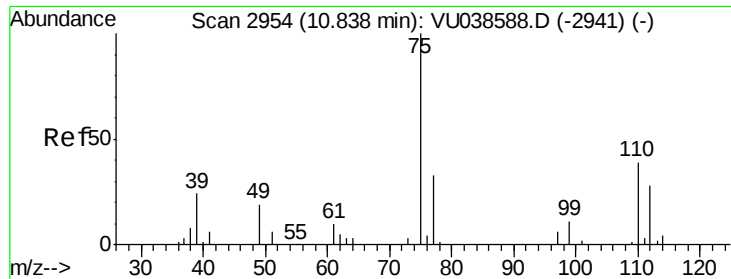


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.793 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

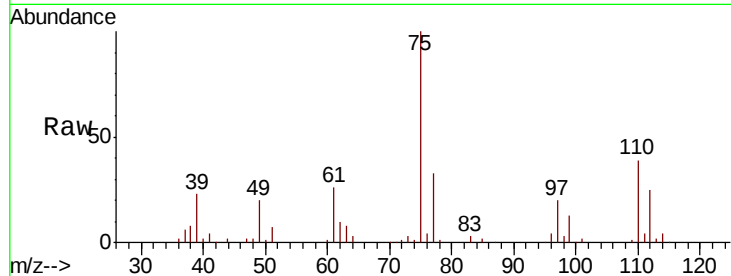
VSTD00513

Tot Ion: 75 Resp: 82483

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038588.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038588.D (-2941) (-)

10.84

60000

50000

40000

30000

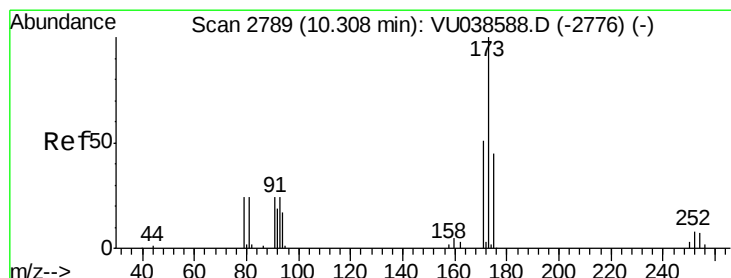
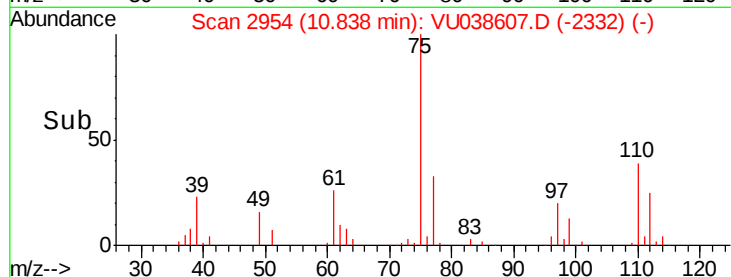
20000

10000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.933 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

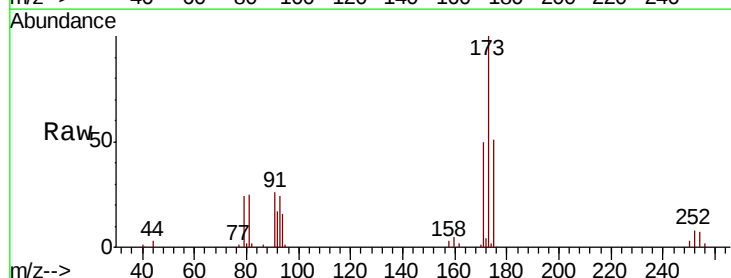
Tgt Ion: 173 Resp: 51487

Ion Ratio Lower Upper

173 100

175 47.8 38.7 58.1

254 6.6 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038588.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038588.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038588.D (-2776) (-)

40000

30000

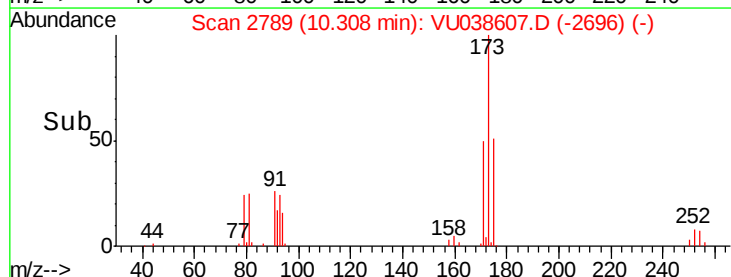
20000

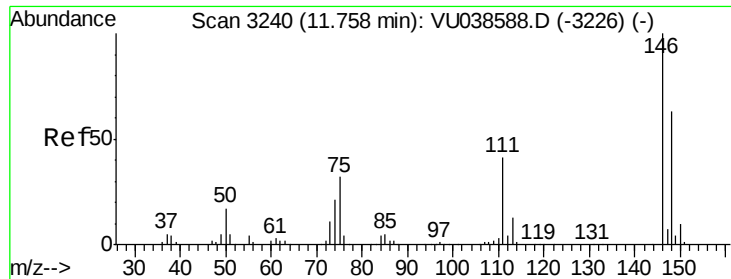
10000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 4.847 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

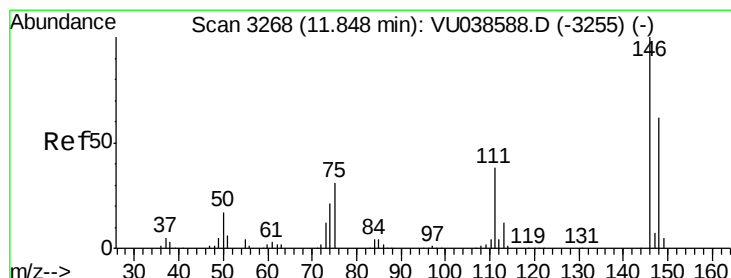
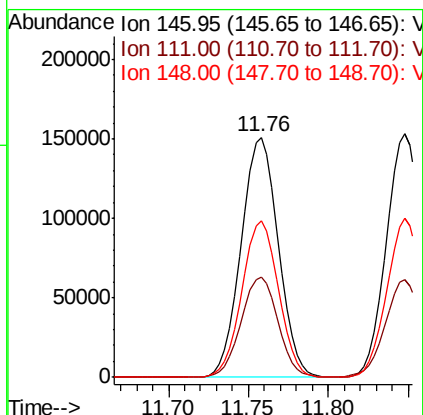
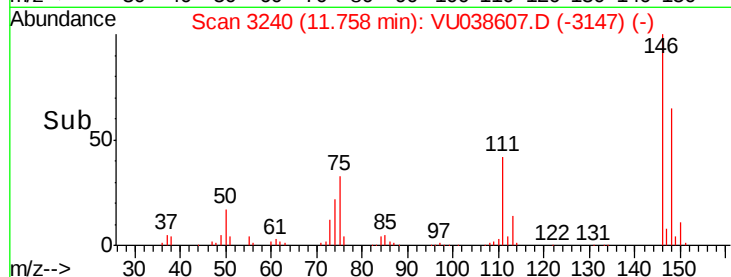
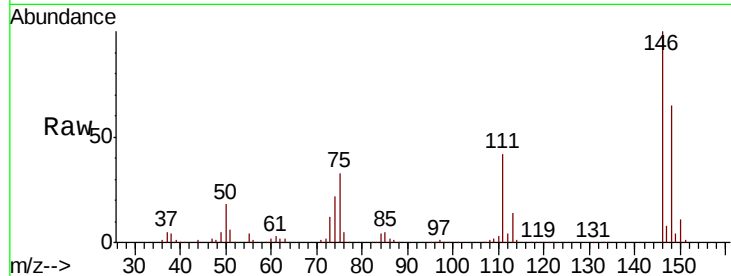
Tot Ion:146 Resp: 238570

Ion Ratio Lower Upper

146 100

111 41.9 29.5 54.9

148 65.0 45.6 84.6



#63

1,4-Dichlorobenzene

Concen: 4.829 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

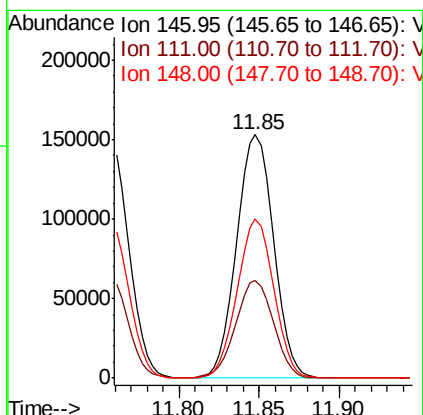
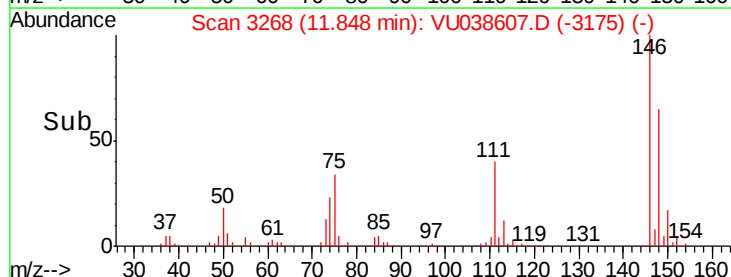
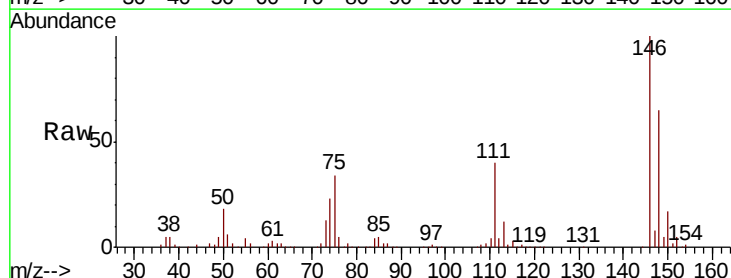
Tgt Ion:146 Resp: 241055

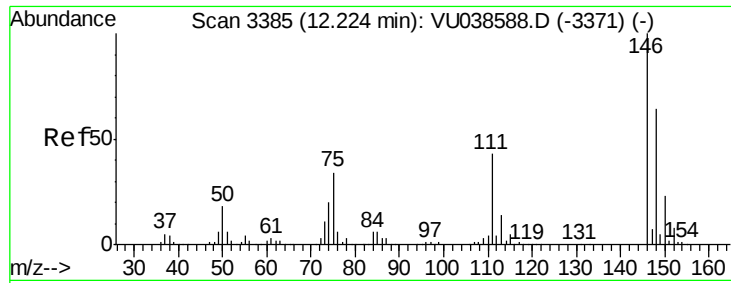
Ion Ratio Lower Upper

146 100

111 40.3 27.6 51.2

148 65.3 44.8 83.2

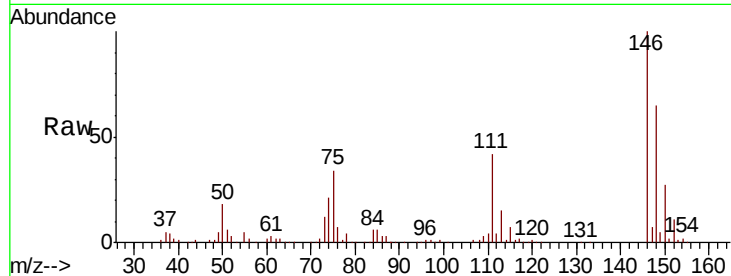




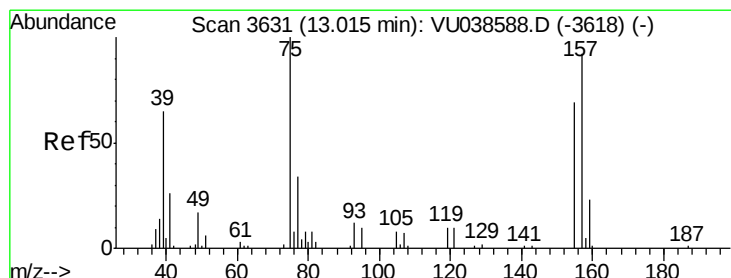
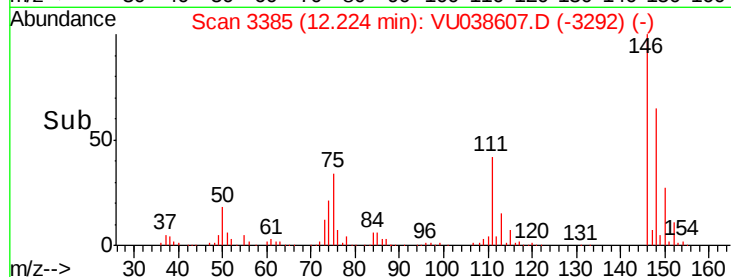
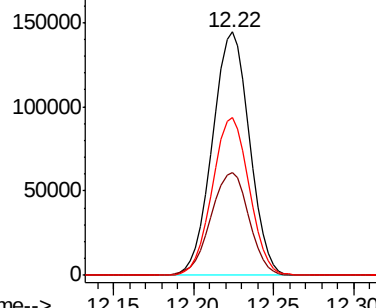
#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:146 Resp: 227355
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.1 52.7
 148 64.8 50.9 76.3

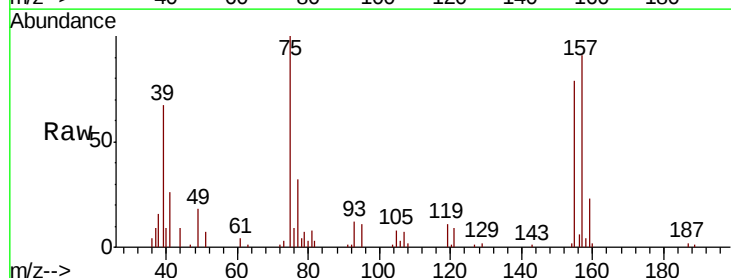


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

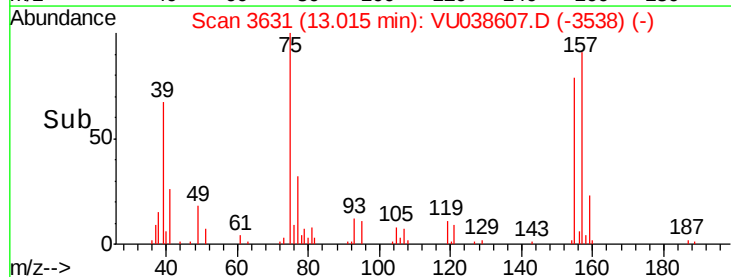
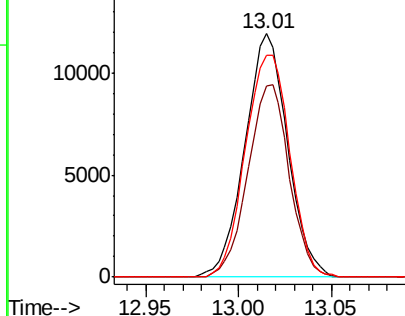


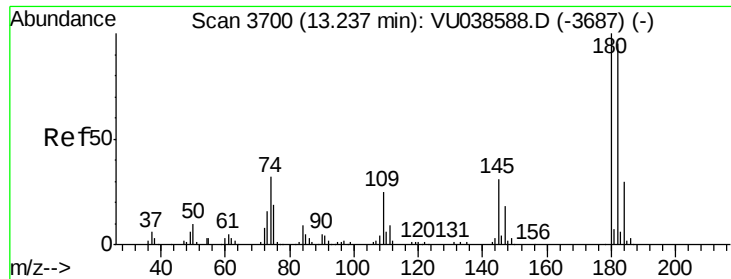
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.065 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Tgt Ion: 75 Resp: 19169
 Ion Ratio Lower Upper
 75 100
 155 78.6 59.6 89.4
 157 91.4 79.8 119.6



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

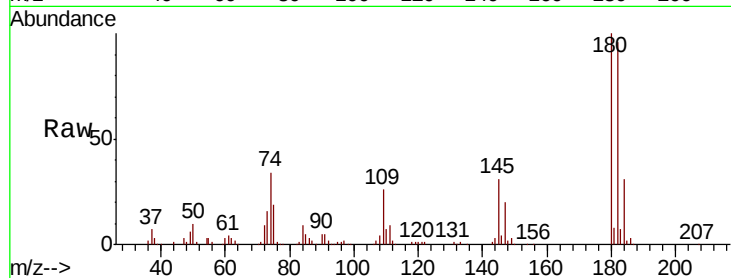




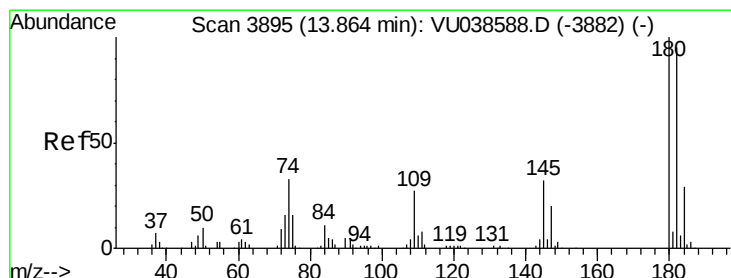
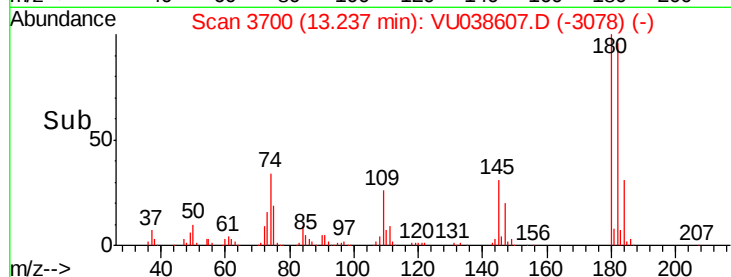
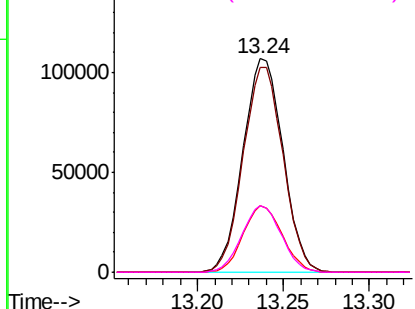
#67
 1,3,5-Trichlorobenzene
 Concen: 4.707 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:180 Resp: 172849
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.8 115.2
 184 30.4 25.1 37.7
 145 30.7 24.6 37.0

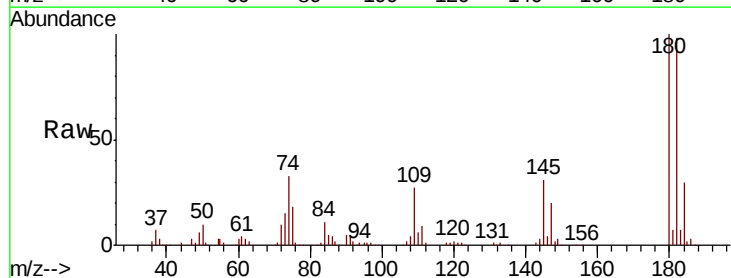


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

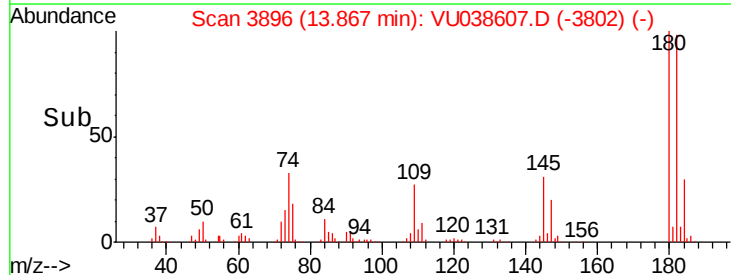
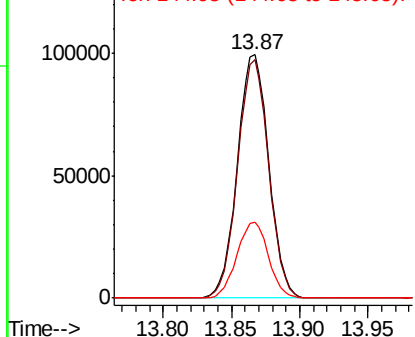


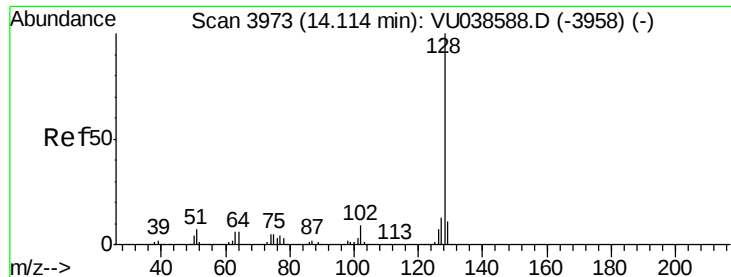
#68
 1,2,4-trichlorobenzene
 Concen: 4.694 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038607.D
 Acq: 06 Jun 2020 08:56

Tgt Ion:180 Resp: 159571
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.8
 145 31.2 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: 4.765 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

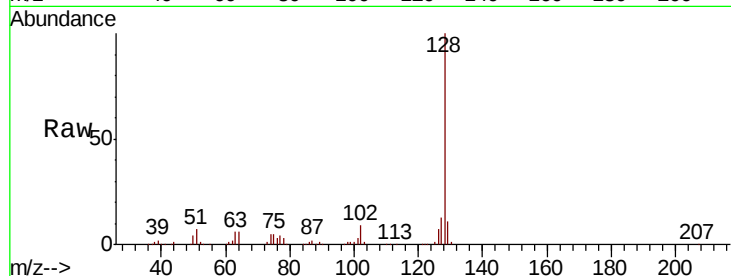
Tot Ion:128 Resp: 322360

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

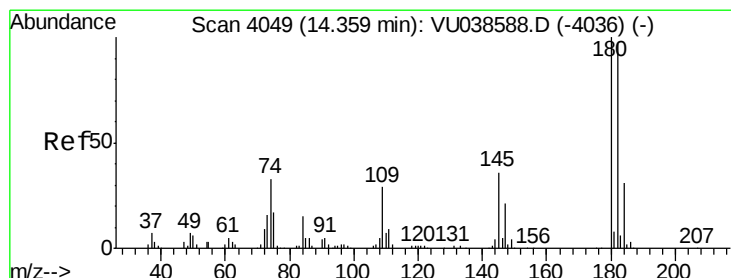
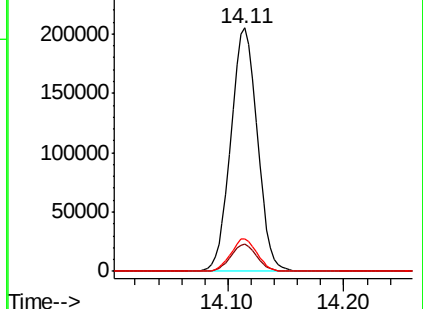
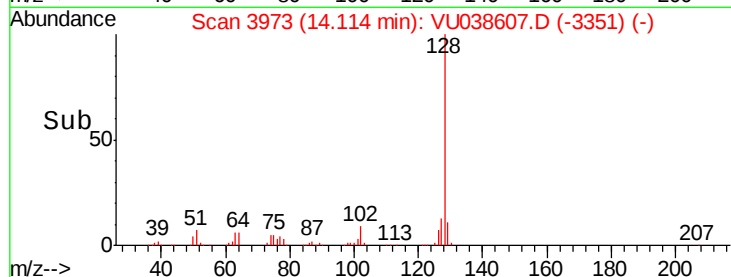
127 13.3 10.2 15.4



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: 4.778 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038607.D

Acq: 06 Jun 2020 08:56

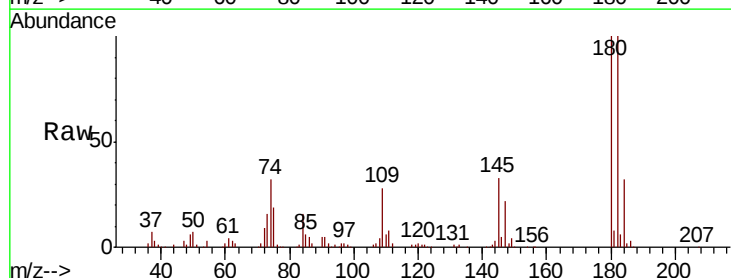
Tgt Ion:180 Resp: 147789

Ion Ratio Lower Upper

180 100

182 98.5 78.7 118.1

145 33.6 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

