

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038513.D
 Acq On : 03 Jun 2020 14:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Quant Time: Jun 04 01:02:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 03 00:48:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	371841	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	365817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	187904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91933	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.93	69	78116	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.59	63	208944	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	4.69	46	372232	50.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.84%
24) Chloroform-d	5.10	84	214158	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.74	65	119741	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.76	84	407552	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	124220	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.92	98	366196	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.20	79	55951	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.66	63	302291	50.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114878	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	147854	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	151981	5.186	ug/L 99
3) Chloromethane	1.53	50	126039	4.683	ug/L 99
5) Vinyl chloride	1.62	62	139993	4.855	ug/L 96
6) Bromomethane	1.87	94	78171	5.584	ug/L 97
8) Chloroethane	1.95	64	85246	4.934	ug/L 100
9) Trichlorofluoromethane	2.16	101	207431	5.422	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	128529	5.705	ug/L 98
12) 1,1-Dichloroethene	2.60	96	117119	5.114	ug/L 92
13) Acetone	2.69	43	269909	56.414	ug/L 97
14) Carbon disulfide	2.82	76	343199	4.417	ug/L 100
15) Methyl Acetate	2.99	43	63464	5.415	ug/L 99
16) Methylene chloride	3.08	84	132168	5.100	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	333120	5.548	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	124208	5.033	ug/L 94
19) 1,1-Dichloroethane	3.91	63	232645	5.268	ug/L 99
21) 2-Butanone	4.76	43	443381	55.097	ug/L 93
22) cis-1,2-Dichloroethene	4.71	96	135647	5.105	ug/L 98

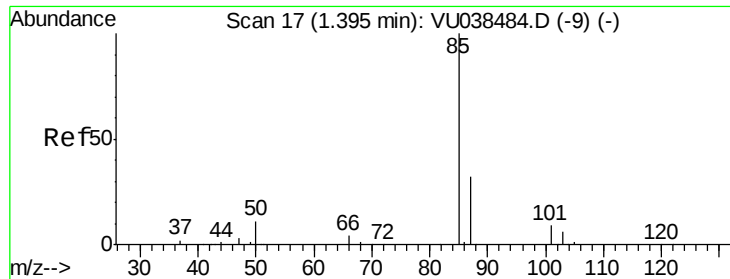
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
 Data File : VU038513.D
 Acq On : 03 Jun 2020 14:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Quant Time: Jun 04 01:02:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 03 00:48:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	62873	5.257	ug/L	95
25) Chloroform	5.13	83	243086	5.418	ug/L	100
27) 1,2-Dichloroethane	5.83	62	166638	5.276	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	212186	5.482	ug/L	99
30) Cyclohexane	5.42	56	203282	5.008	ug/L	99
31) Carbon tetrachloride	5.56	117	177367	5.504	ug/L	99
33) Benzene	5.81	78	522449	5.122	ug/L	100
34) Trichloroethene	6.57	95	138713	5.239	ug/L	99
35) Methylcyclohexane	6.79	83	205988	5.025	ug/L	99
37) 1,2-Dichloropropane	6.82	63	135716	5.287	ug/L	99
38) Bromodichloromethane	7.13	83	179376	5.627	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	207189	5.461	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	994397	54.168	ug/L	99
42) Toluene	8.00	91	566310	5.293	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	182599	5.450	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	107086	5.530	ug/L	98
47) Tetrachloroethene	8.58	164	102553	5.331	ug/L	96
48) 2-Hexanone	8.71	43	752406	54.120	ug/L	99
49) Dibromochloromethane	8.83	129	121825	5.828	ug/L	97
50) 1,2-Dibromoethane	8.95	107	100625	5.426	ug/L	99
51) Chlorobenzene	9.47	112	366697	5.314	ug/L	98
52) Ethylbenzene	9.59	91	629764	5.290	ug/L	99
53) m,p-Xylene	9.71	106	248023	5.418	ug/L	99
54) o-Xylene	10.12	106	241982	5.506	ug/L	96
55) Styrene	10.13	104	413947	5.549	ug/L	100
56) Isopropylbenzene	10.50	105	638510	5.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	135498	5.506	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	105939	5.529	ug/L	100
61) Bromoform	10.31	173	66297	5.664	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	299627	5.427	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	304661	5.442	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	285754	5.451	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	24606	5.797	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	227027	5.512	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	204542	5.365	ug/L	100
69) Naphthalene	14.12	128	419748	5.532	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	196167	5.655	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 5.186 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

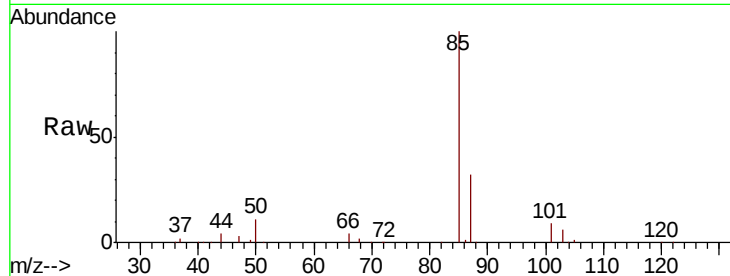
VSTD00507

Tot Ion: 85 Resp: 151981

Ion Ratio Lower Upper

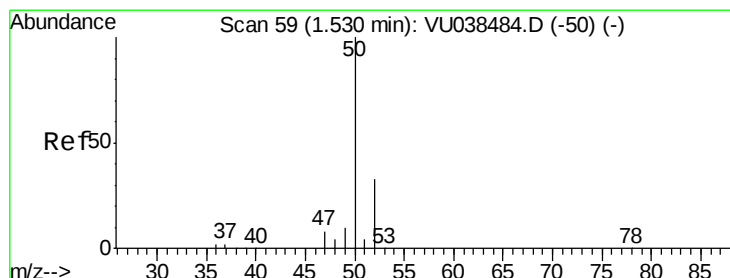
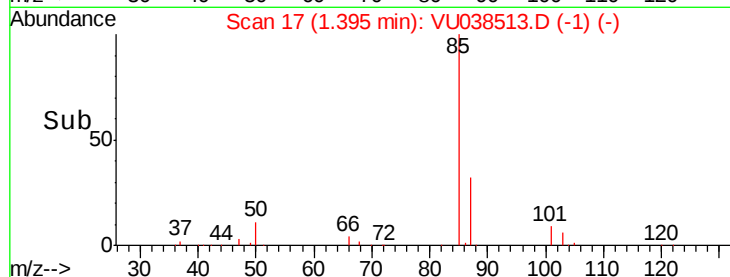
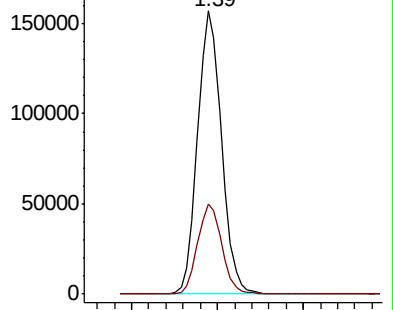
85 100

87 32.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038513.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038513.D (-1) (-)



#3

Chloromethane

Concen: 4.683 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038513.D

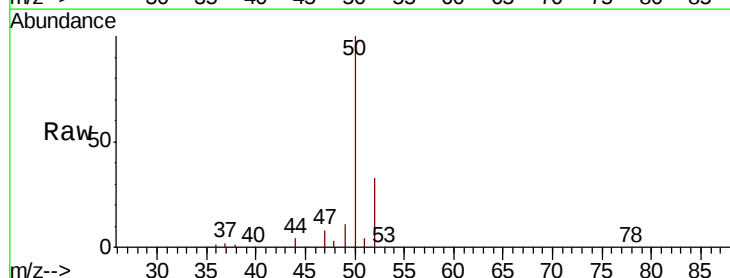
Acq: 03 Jun 2020 14:08

Tgt Ion: 50 Resp: 126039

Ion Ratio Lower Upper

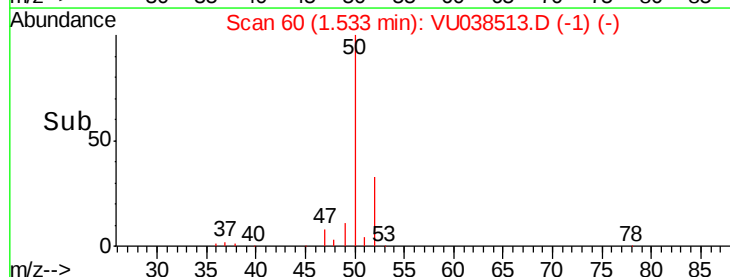
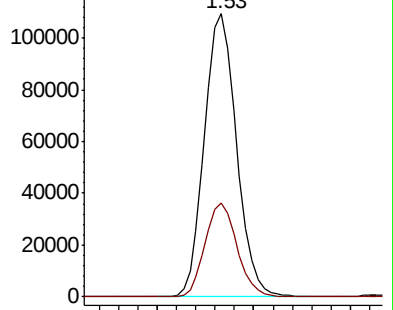
50 100

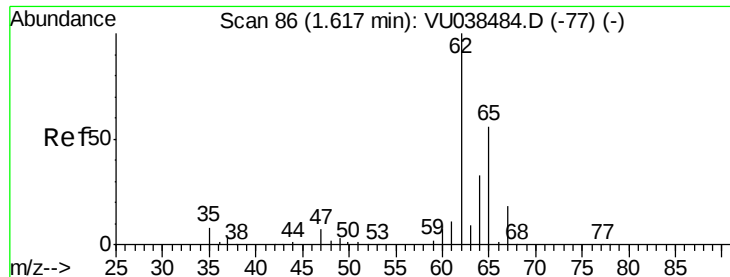
52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038513.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038513.D (-1) (-)





#5

Vinyl chloride

Concen: 4.855 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampled :

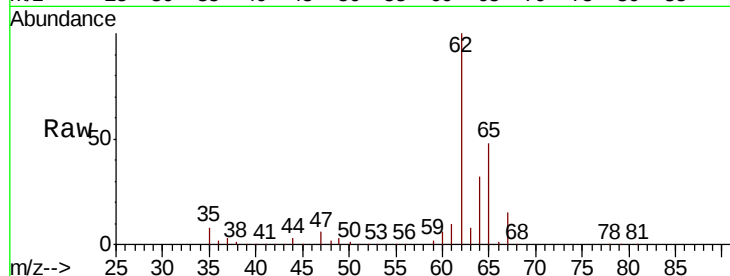
VSTD00507

Tot Ion: 62 Resp: 139993

Ion Ratio Lower Upper

62 100

64 31.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038484.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038484.D (-77) (-)

150000

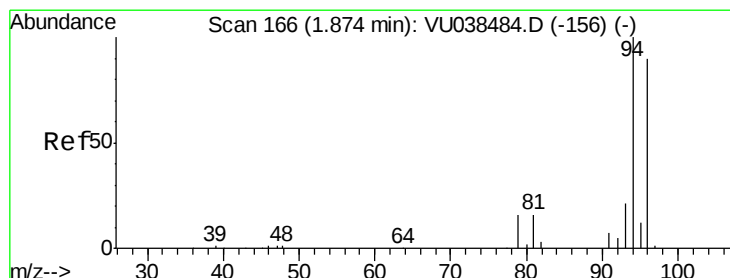
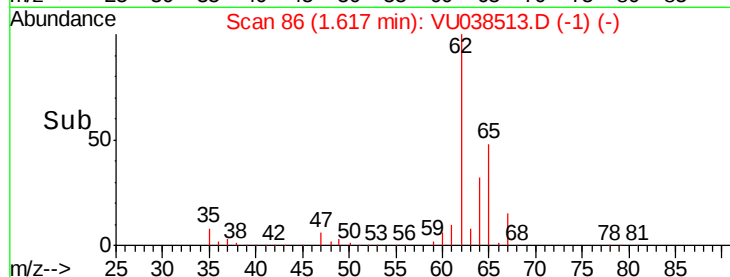
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 5.584 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038513.D

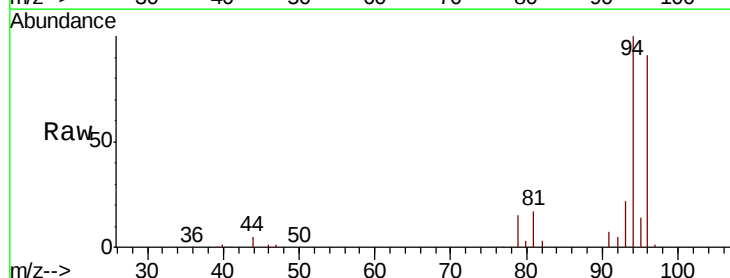
Acq: 03 Jun 2020 14:08

Tgt Ion: 94 Resp: 78171

Ion Ratio Lower Upper

94 100

96 90.6 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038484.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038484.D (-156) (-)

60000

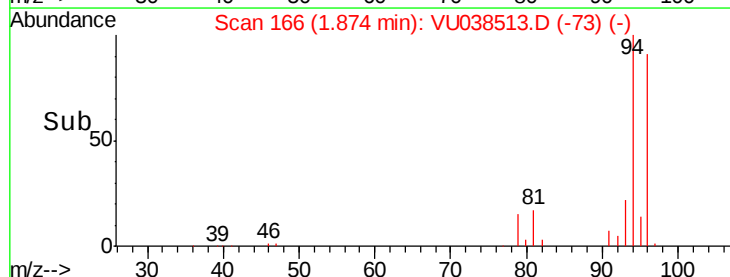
40000

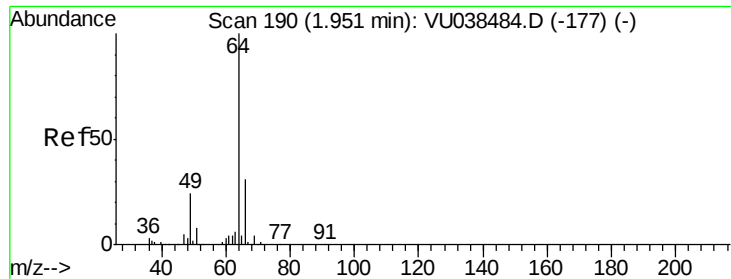
20000

0

1.80 1.85 1.90 1.95

Time-->

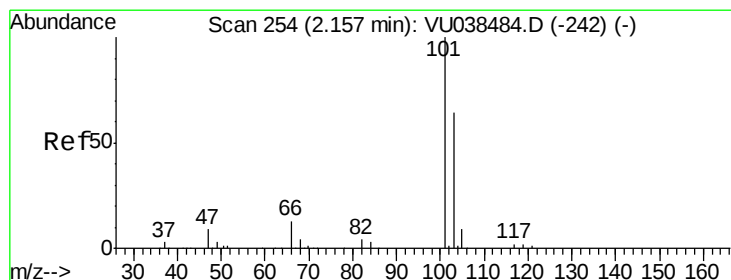
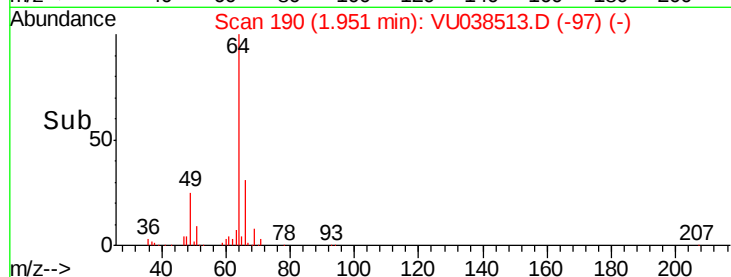
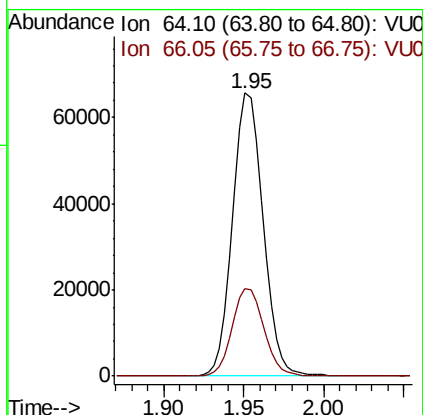
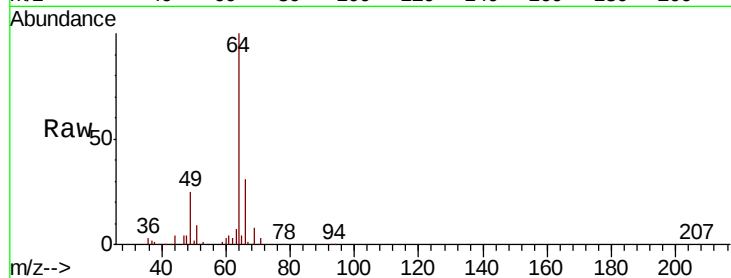




#8
Chloroethane
Concen: 4.934 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

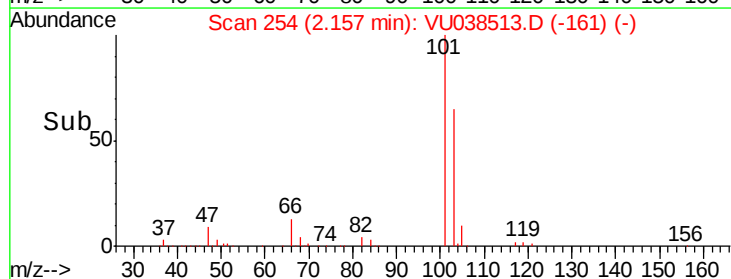
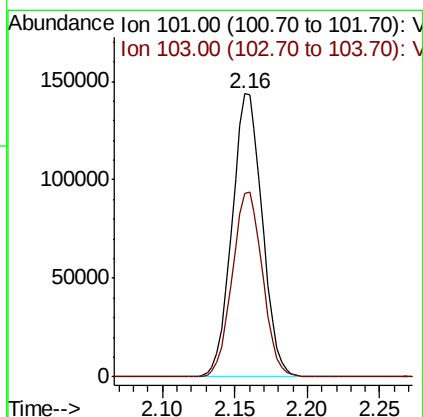
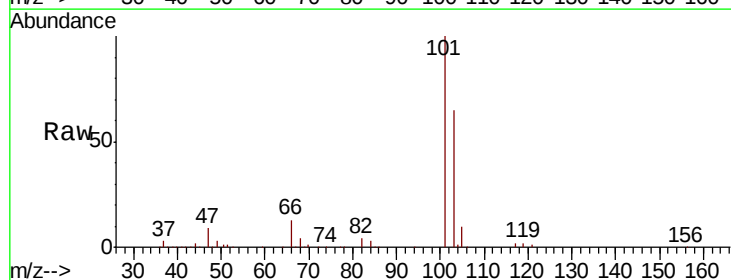
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

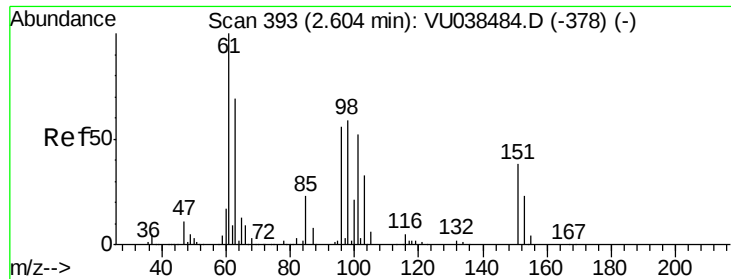
Tot Ion: 64 Resp: 85246
Ion Ratio Lower Upper
64 100
66 30.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.422 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion:101 Resp: 207431
Ion Ratio Lower Upper
101 100
103 65.5 51.1 76.7





#10

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

Concen: 5.705 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

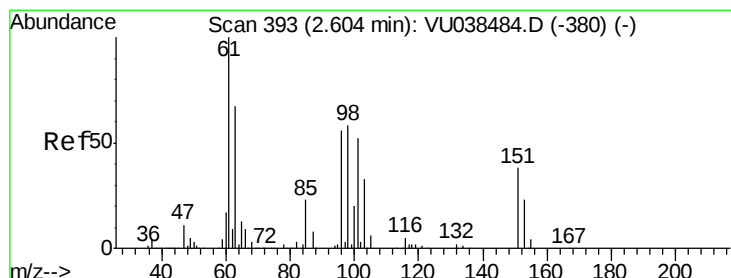
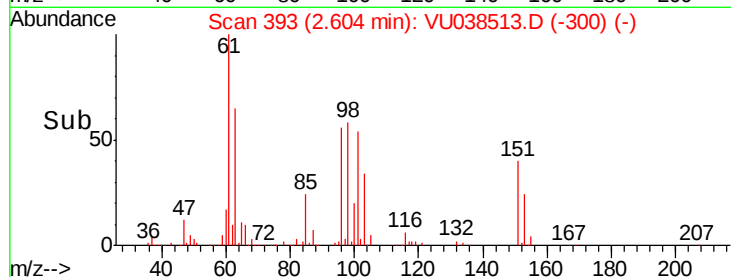
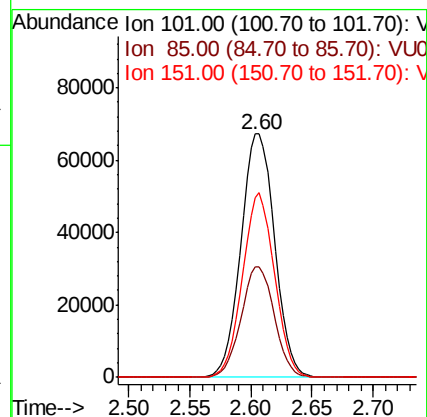
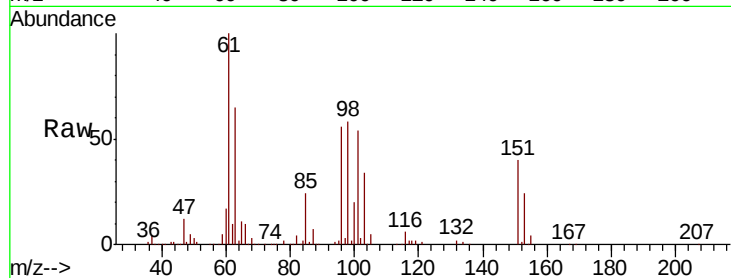
Tot Ion:101 Resp: 128529

Ion Ratio Lower Upper

101 100

85 44.5 34.0 51.0

151 71.9 56.9 85.3



#12

1,1-Dichloroethene

Concen: 5.114 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

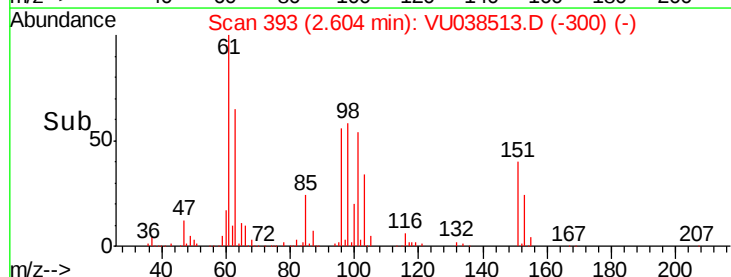
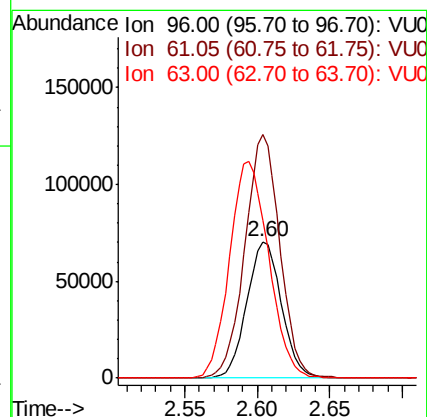
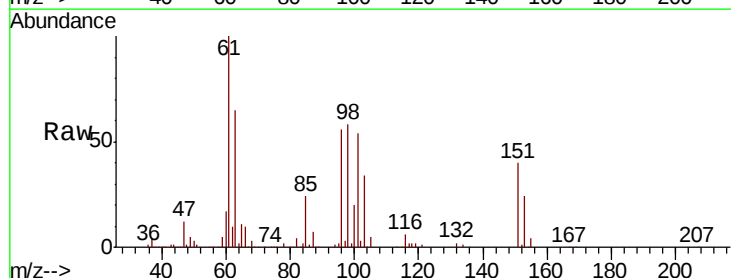
Tgt Ion: 96 Resp: 117119

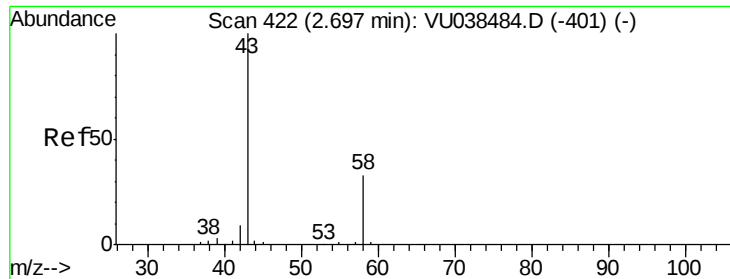
Ion Ratio Lower Upper

96 100

61 178.4 119.9 222.7

63 115.8 89.9 167.0





#13

Acetone

Concen: 56.414 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.01 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

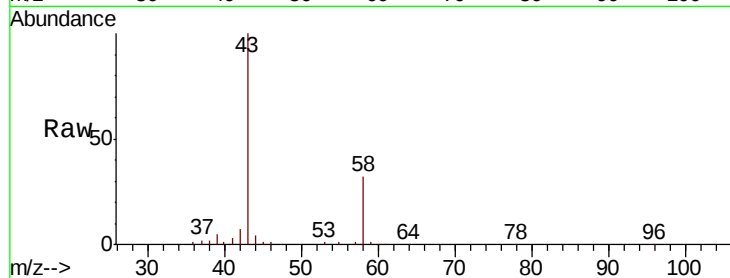
VSTD00507

Tot Ion: 43 Resp: 269909

Ion Ratio Lower Upper

43 100

58 31.3 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038484.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038484.D (-401) (-)

2.69

50000

40000

30000

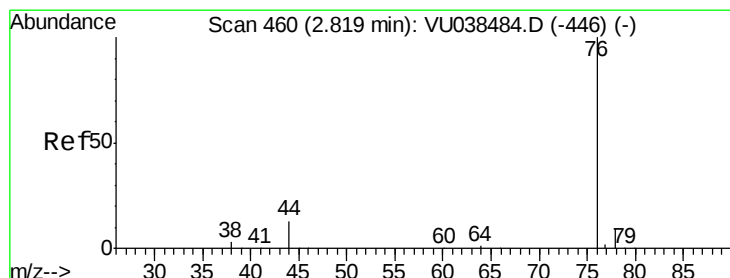
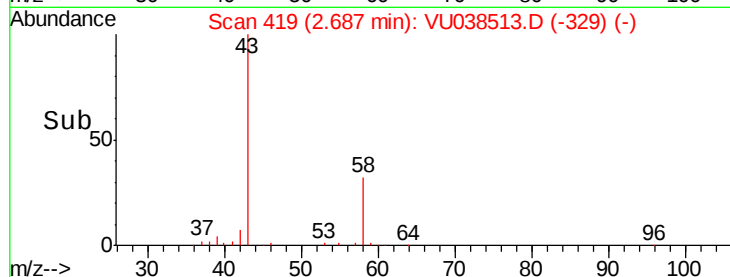
20000

10000

0

2.60 2.80 3.00

Time-->



#14

Carbon disulfide

Concen: 4.417 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038513.D

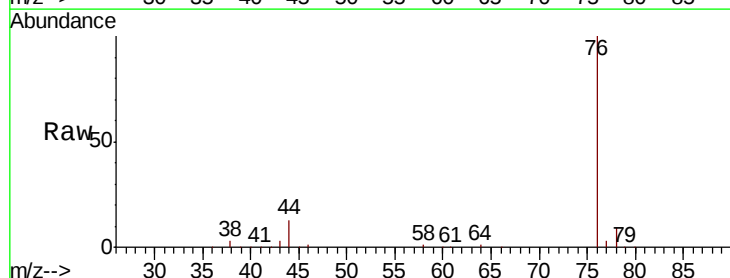
Acq: 03 Jun 2020 14:08

Tgt Ion: 76 Resp: 343199

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038484.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038484.D (-446) (-)

2.82

200000

150000

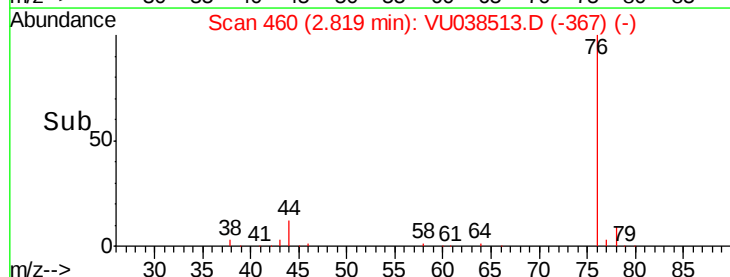
100000

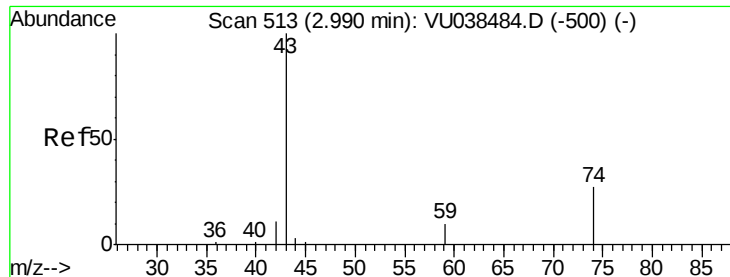
50000

0

2.80 2.90

Time-->

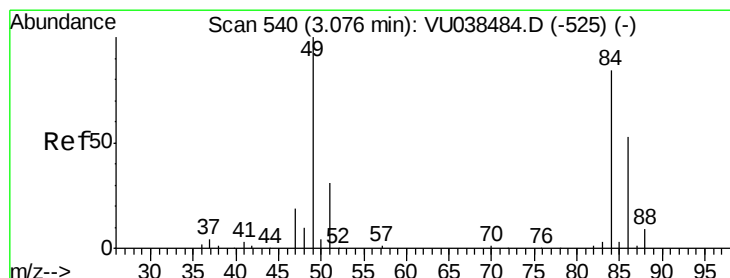
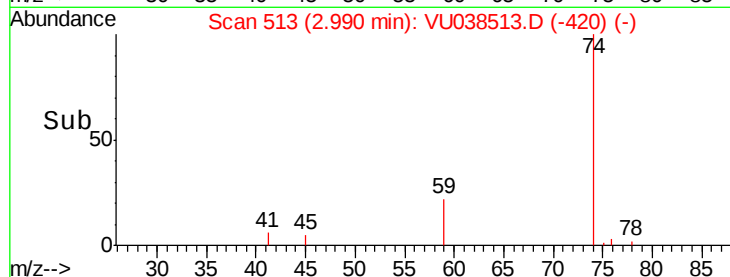
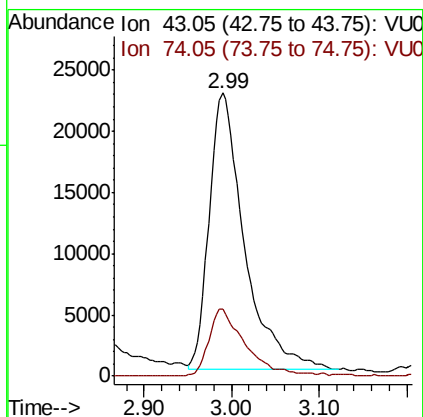
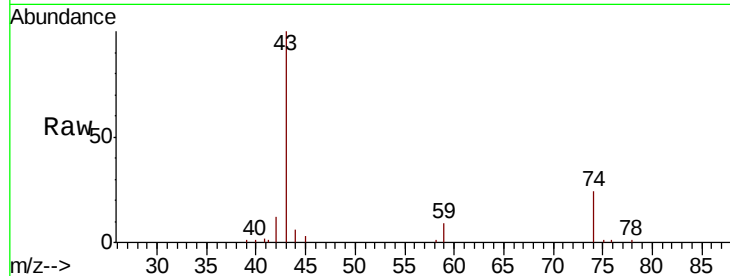




#15
Methvl Acetate
Concen: 5.415 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

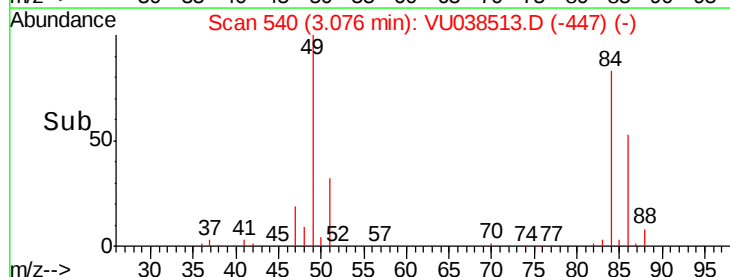
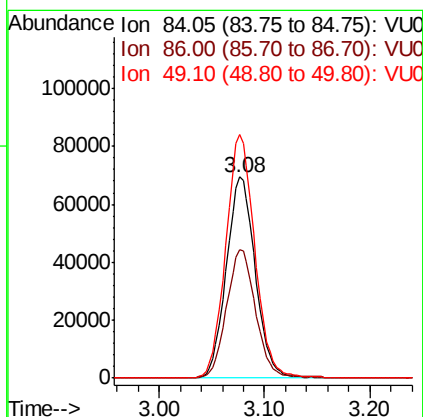
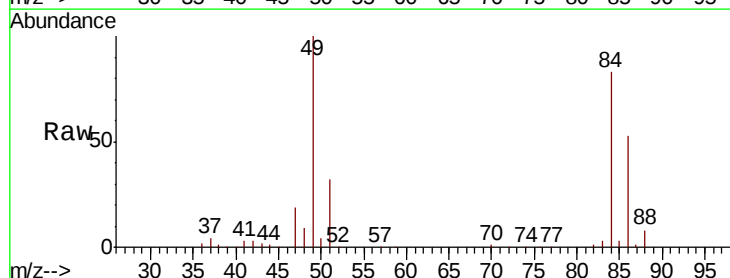
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

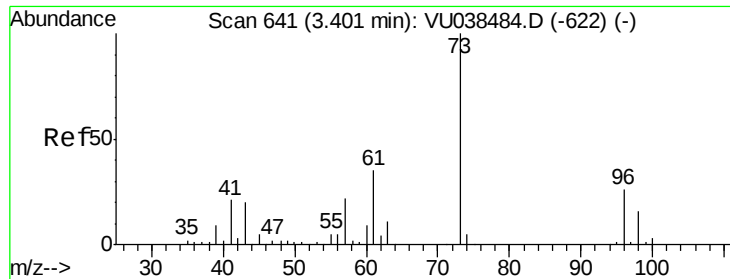
Tot Ion: 43 Resp: 63464
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



#16
Methylene chloride
Concen: 5.100 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion: 84 Resp: 132168
Ion Ratio Lower Upper
84 100
86 63.9 45.0 83.6
49 121.0 85.5 158.9

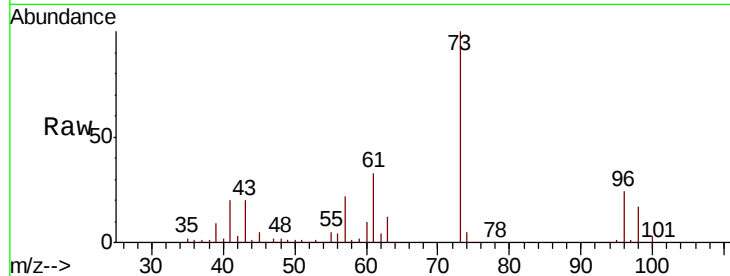




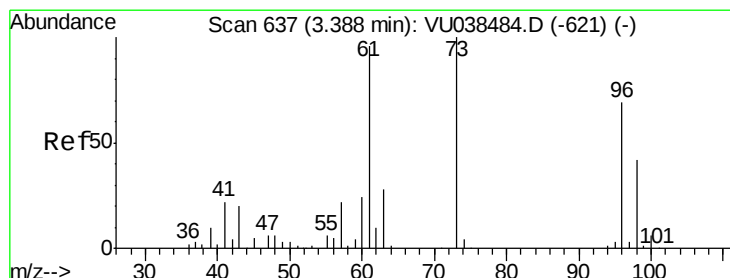
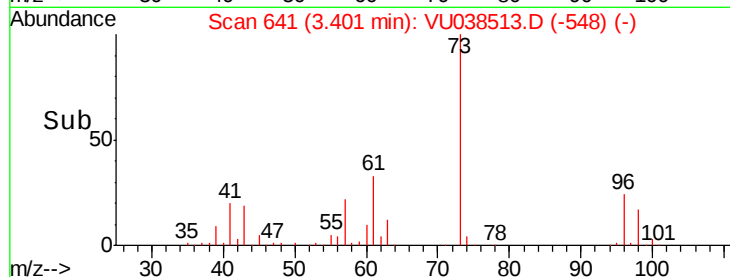
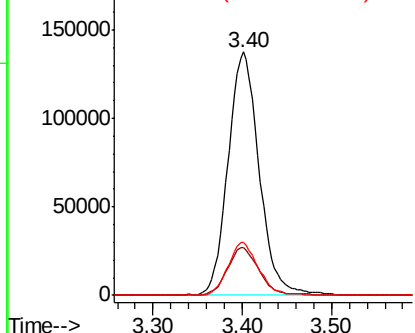
#17
Methvl tert-butvl Ether
Concen: 5.548 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion: 73 Resp: 333120
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.3 17.8 26.6

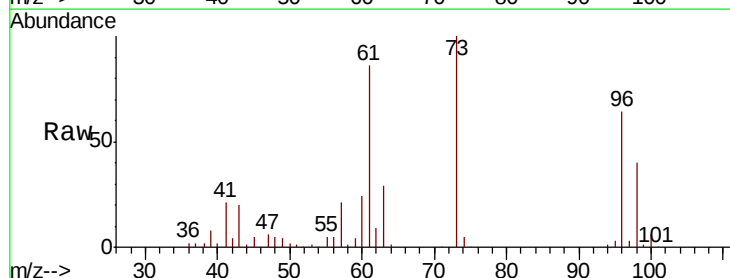


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

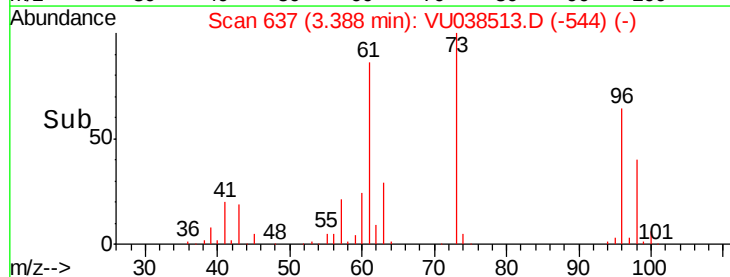
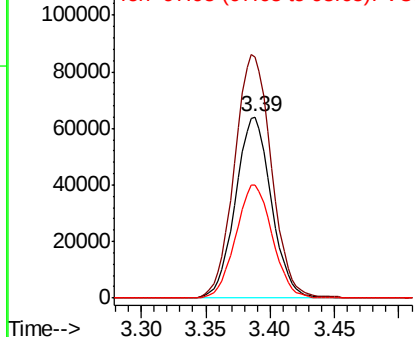


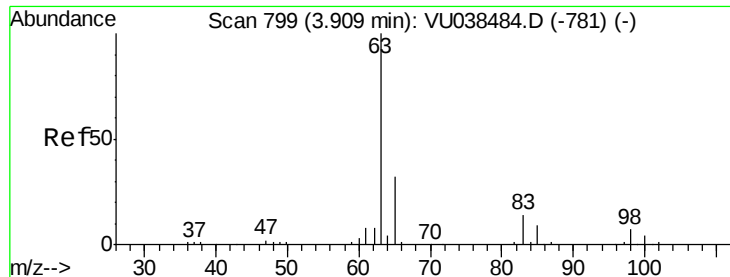
#18
trans-1,2-Dichloroethene
Concen: 5.033 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion: 96 Resp: 124208
Ion Ratio Lower Upper
96 100
61 133.3 100.2 186.0
98 62.5 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

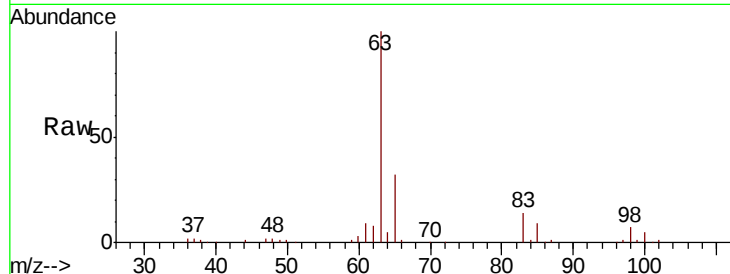




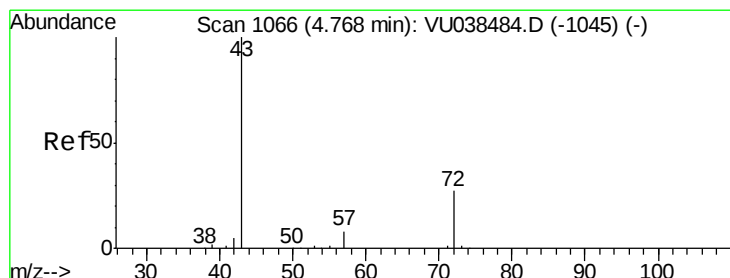
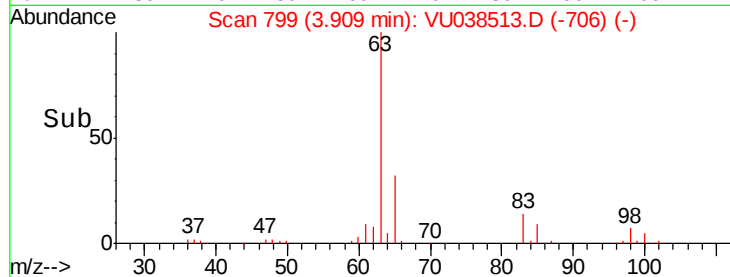
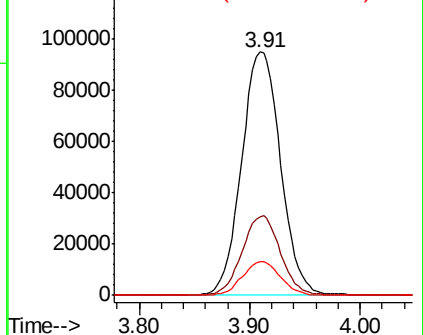
#19
 1,1-Dichloroethane
 Concen: 5.268 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tot Ion: 63 Resp: 232645
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.5
 83 14.0 10.4 19.4

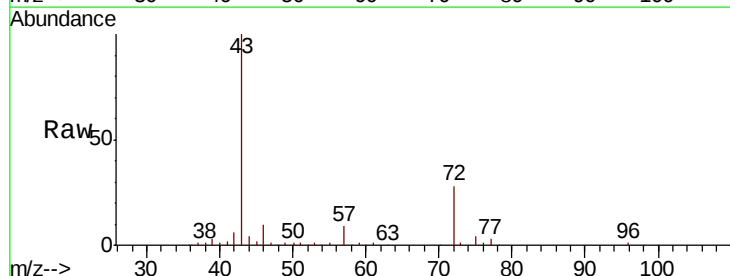


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

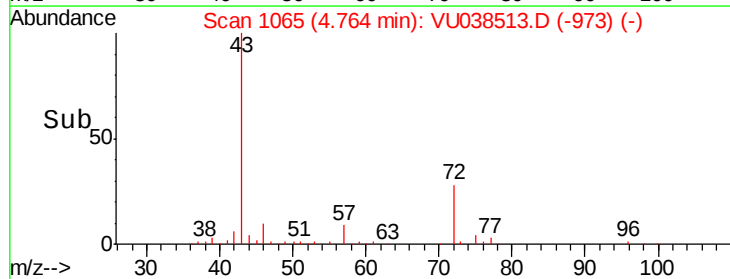
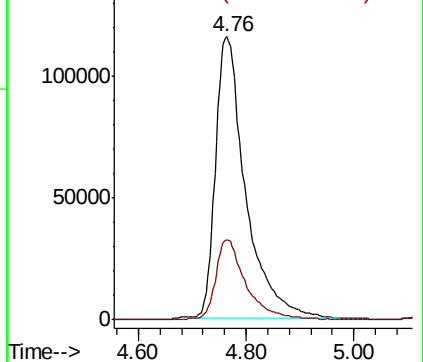


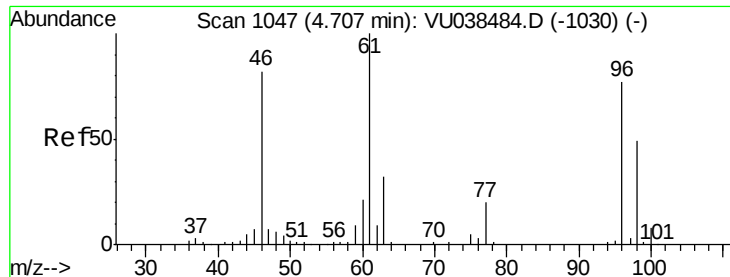
#21
 2-Butanone
 Concen: 55.097 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion: 43 Resp: 443381
 Ion Ratio Lower Upper
 43 100
 72 28.9 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: 5.105 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

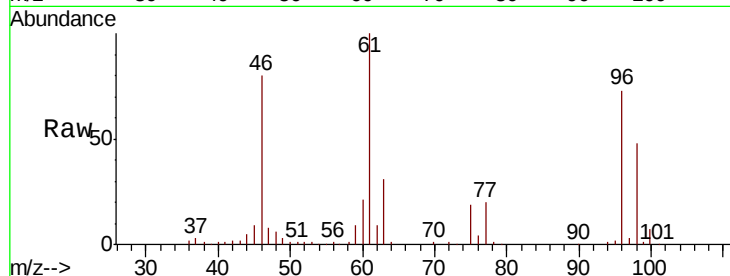
Tot Ion: 96 Resp: 135647

Ion Ratio Lower Upper

96 100

61 136.9 94.0 174.6

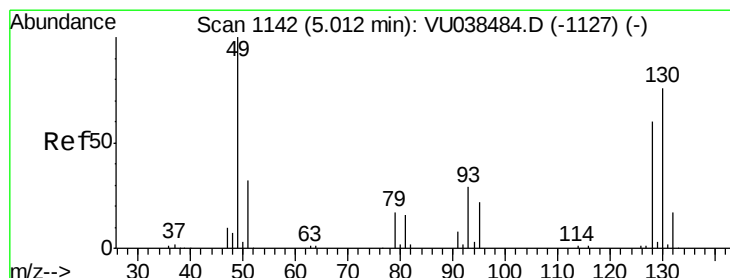
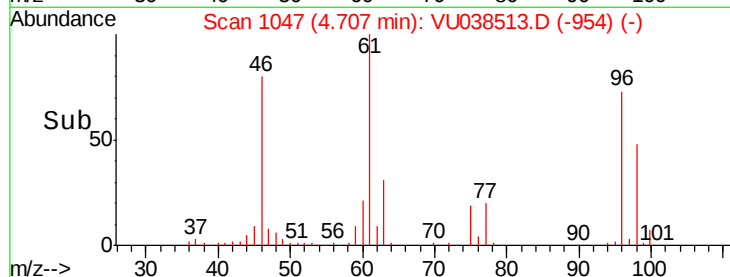
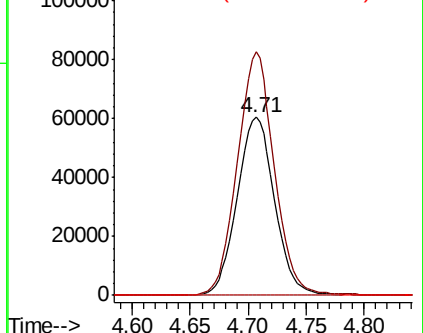
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038513.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038513.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038513.D (-954) (-)



#23

Bromochloromethane

Concen: 5.257 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Tgt Ion: 128 Resp: 62873

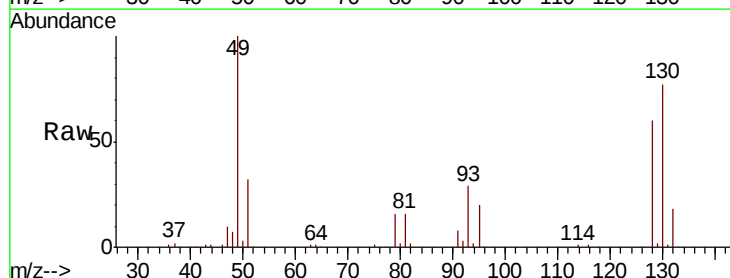
Ion Ratio Lower Upper

128 100

49 167.1 111.9 207.7

130 128.2 86.5 160.7

51 54.0 41.7 62.5

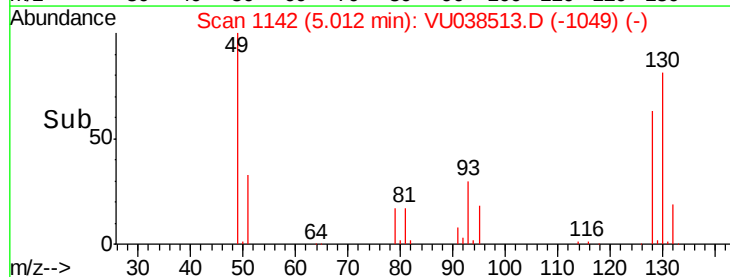
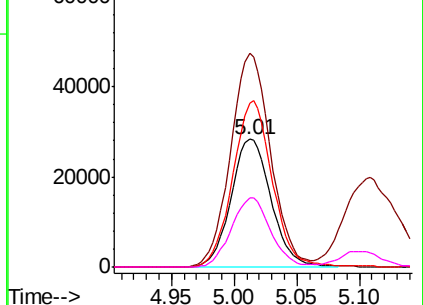


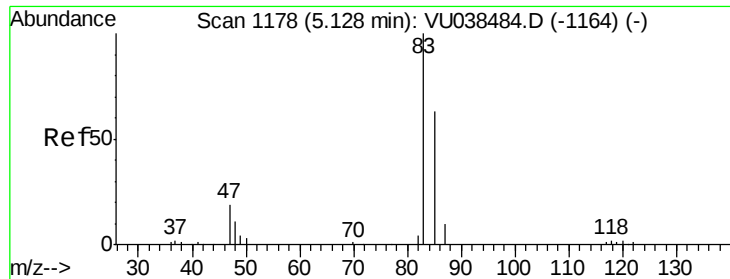
Abundance Ion 127.90 (127.60 to 128.60): VU038513.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038513.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038513.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038513.D (-1049) (-)

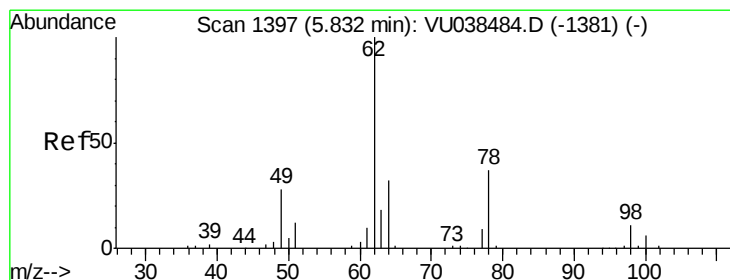
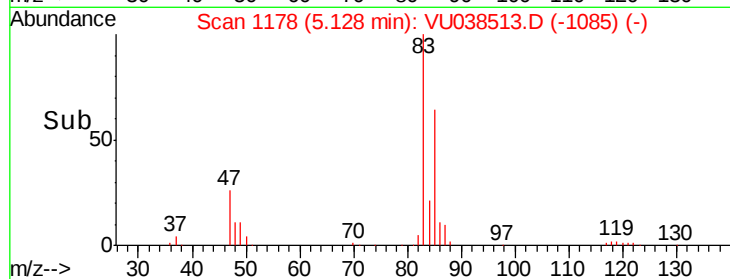
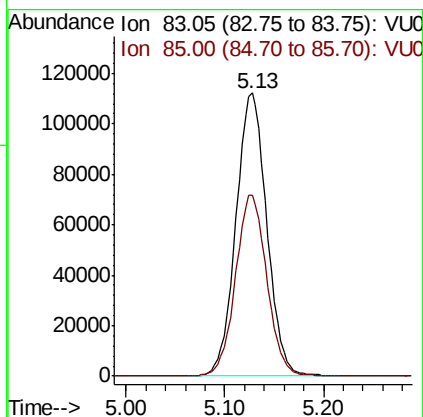
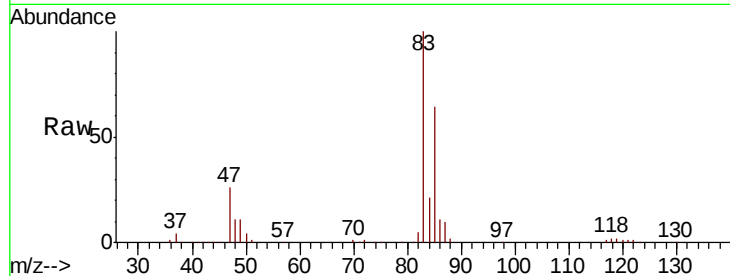




#25
Chloroform
Concen: 5.418 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

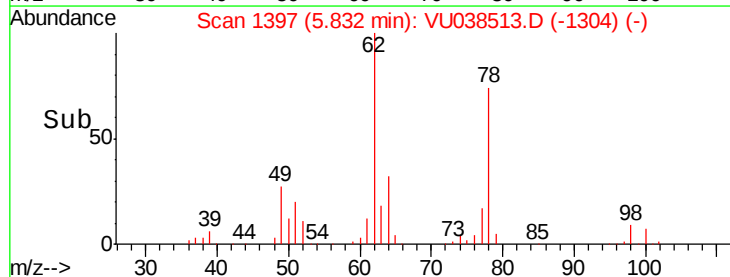
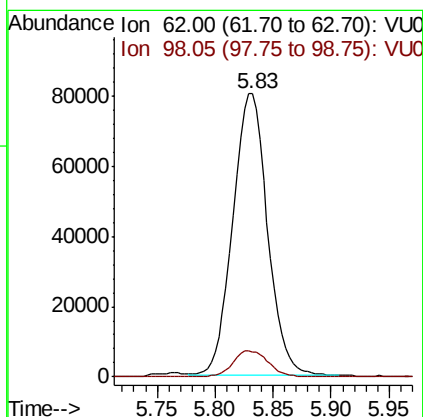
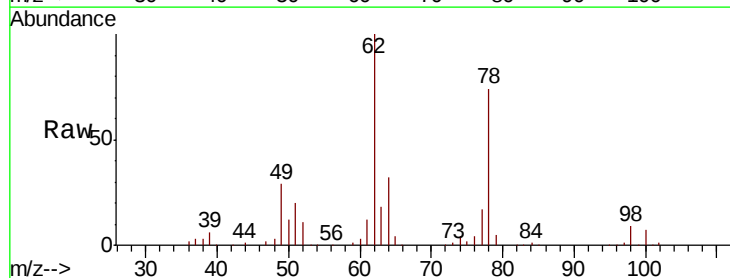
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

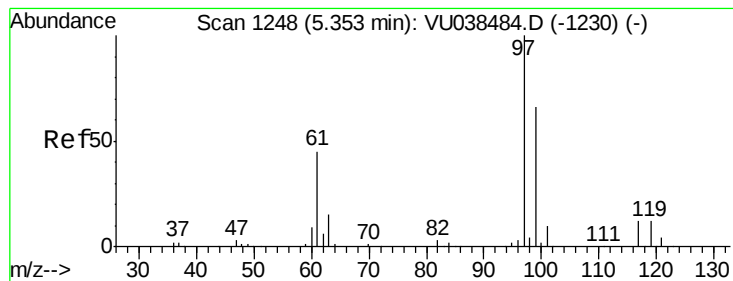
Tot Ion: 83 Resp: 243086
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.276 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion: 62 Resp: 166638
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.482 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

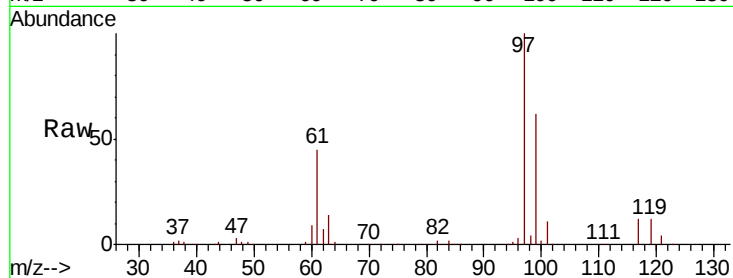
Tot Ion: 97 Resp: 212186

Ion Ratio Lower Upper

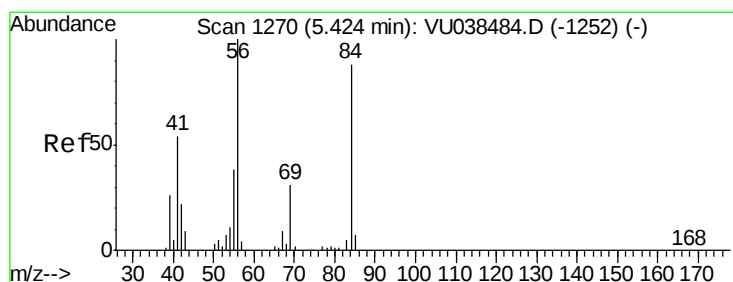
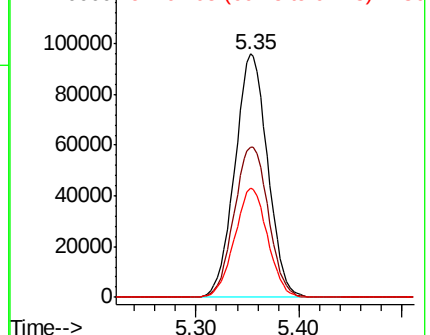
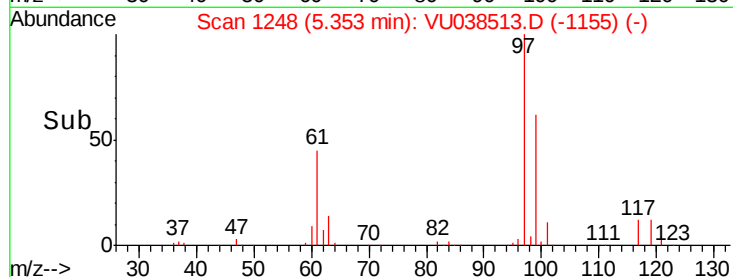
97 100

99 64.7 52.2 78.2

61 45.1 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: 5.008 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

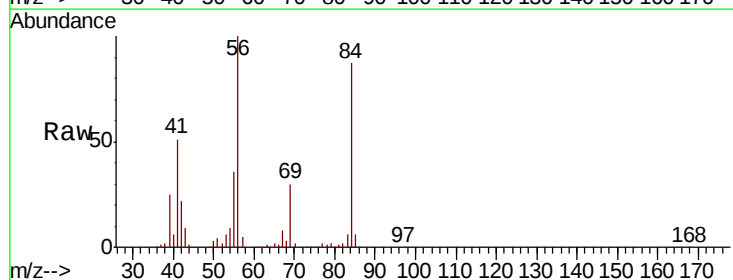
Tgt Ion: 56 Resp: 203282

Ion Ratio Lower Upper

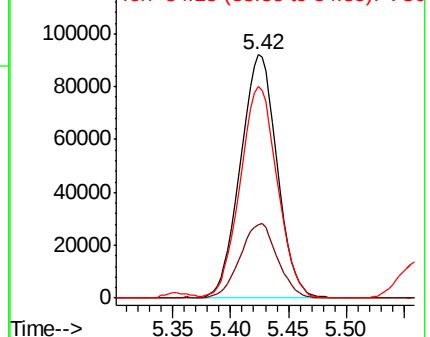
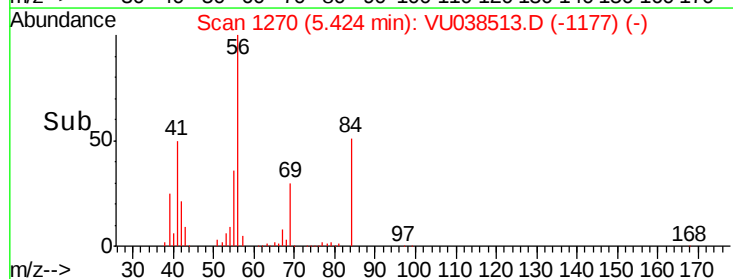
56 100

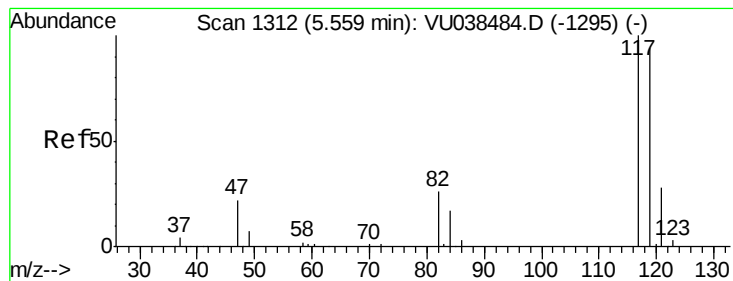
69 31.2 24.2 36.4

84 87.6 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: 5.504 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

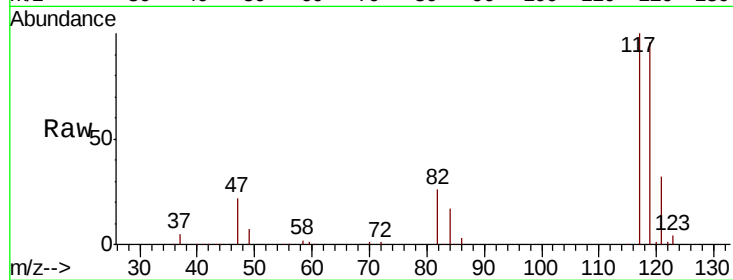
VSTD00507

Tot Ion:117 Resp: 177367

Ion Ratio Lower Upper

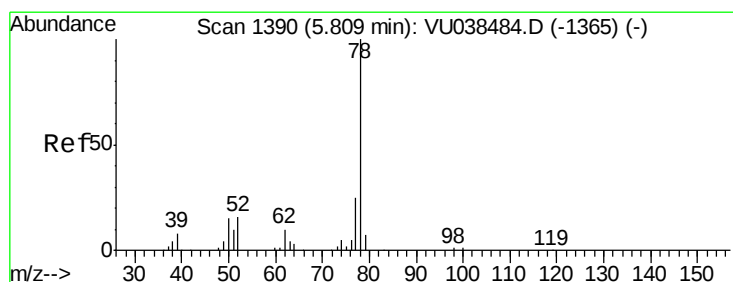
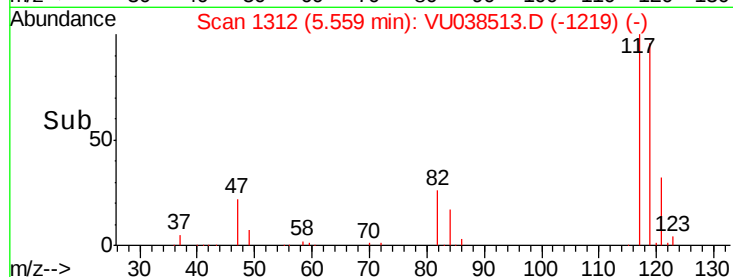
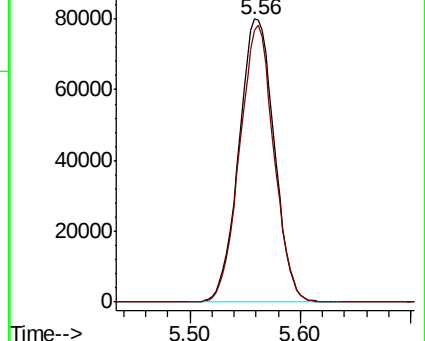
117 100

119 94.7 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: 5.122 ug/L

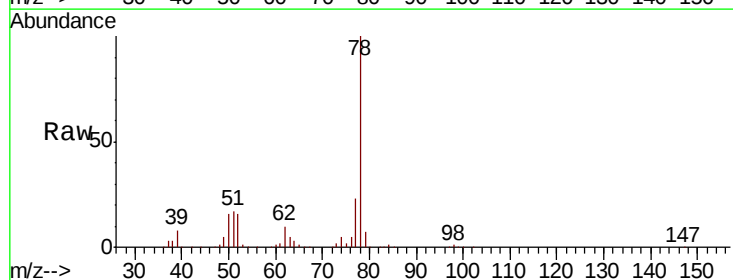
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Tgt Ion: 78 Resp: 522449



Abundance Ion 78.10 (77.80 to 78.80): VU0

300000

250000

200000

150000

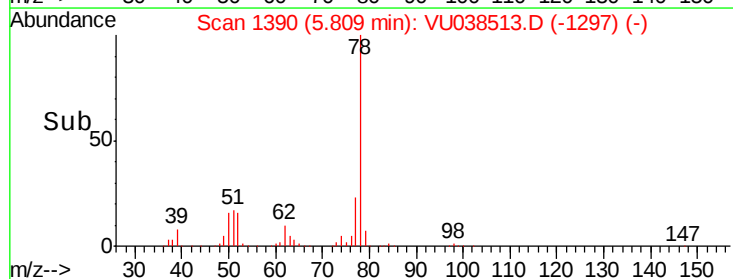
100000

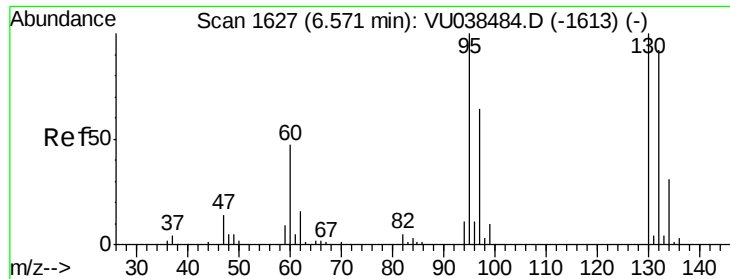
50000

0

Time-->

5.70 5.80 5.90

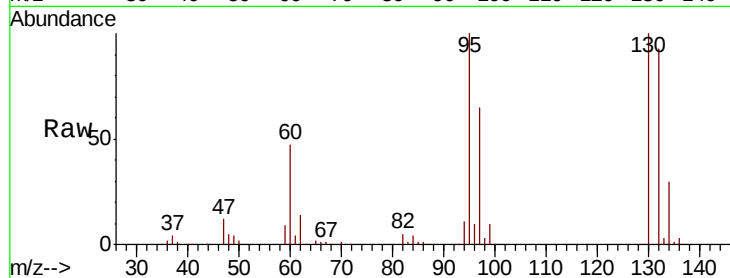




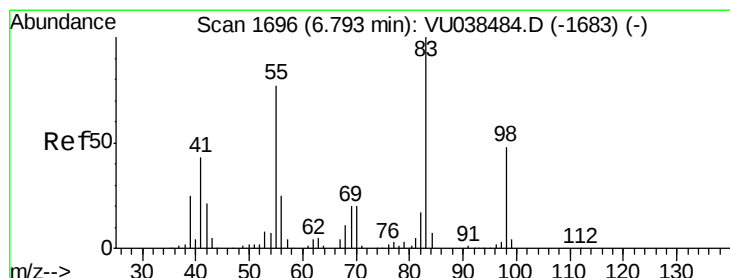
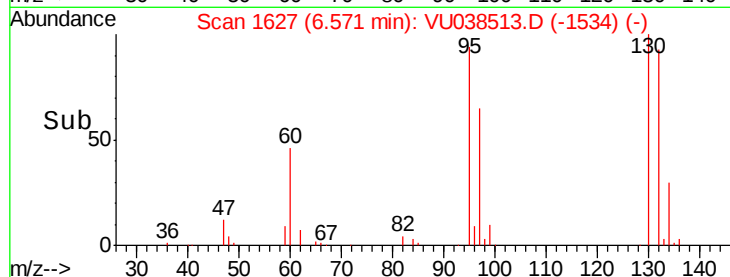
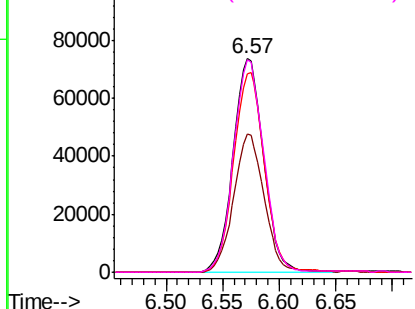
#34
 Trichloroethene
 Concen: 5.239 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00507

Tot Ion: 95 Resp: 138713
 Ion Ratio Lower Upper
 95 100
 97 64.8 46.8 87.0
 132 92.7 66.1 122.7
 130 99.7 70.0 130.0

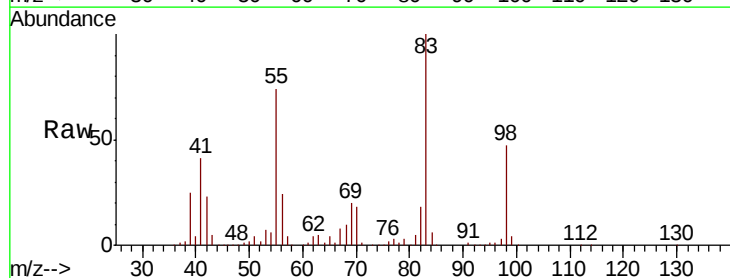


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

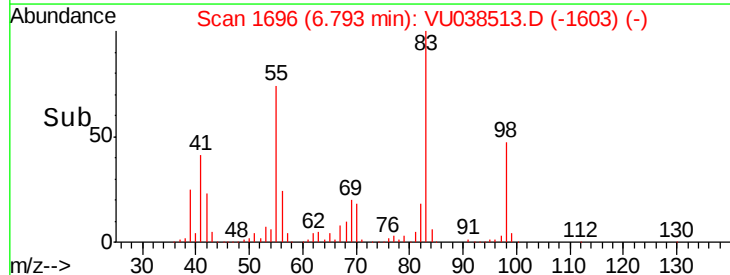
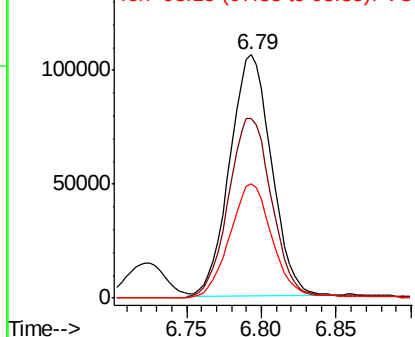


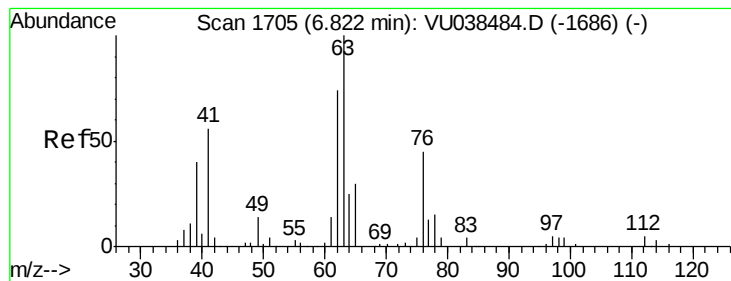
#35
 Methylcyclohexane
 Concen: 5.025 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion: 83 Resp: 205988
 Ion Ratio Lower Upper
 83 100
 55 78.6 63.4 95.2
 98 48.5 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: 5.287 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

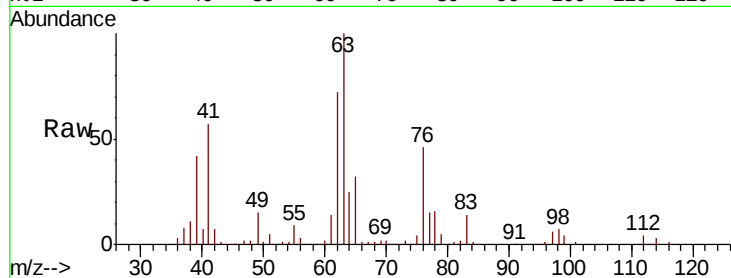
VSTD00507

Tot Ion: 63 Resp: 135716

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038484.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038484.D (-1686) (-)

6.82

80000

60000

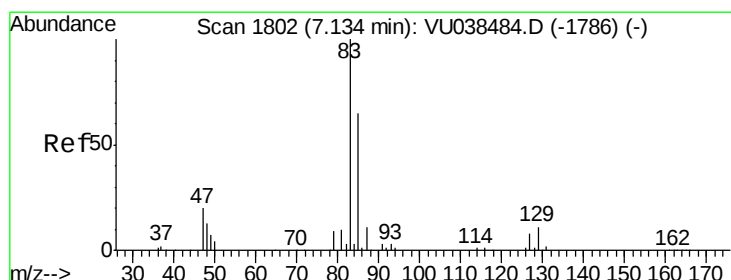
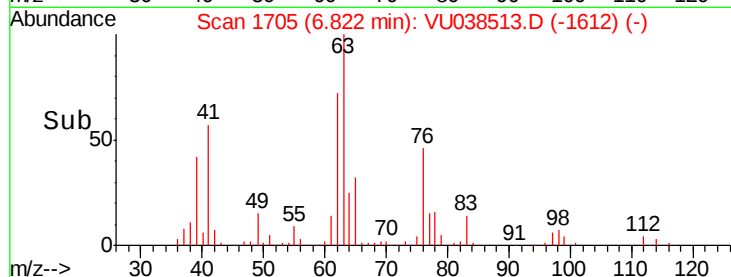
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.627 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

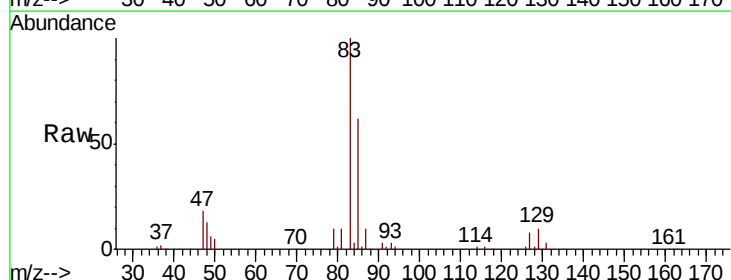
Tgt Ion: 83 Resp: 179376

Ion Ratio Lower Upper

83 100

85 61.8 44.7 83.1

127 7.6 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038484.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038484.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038484.D (-1786) (-)

7.13

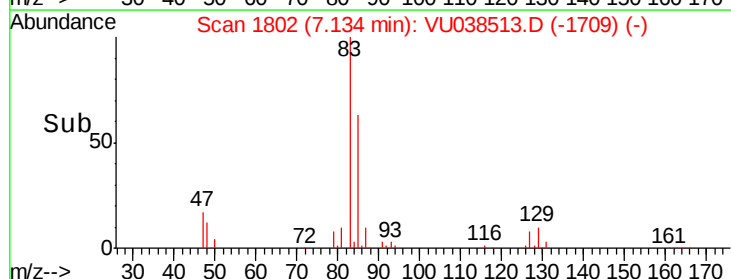
100000

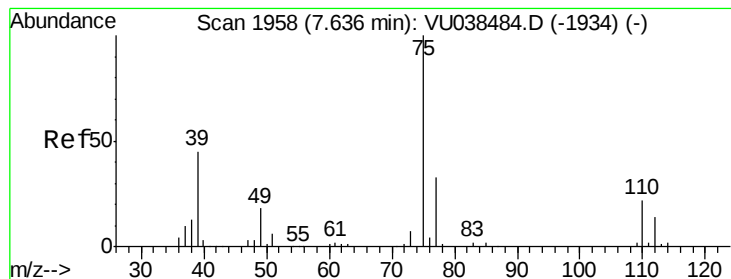
50000

0

7.05 7.10 7.15 7.20

Time-->



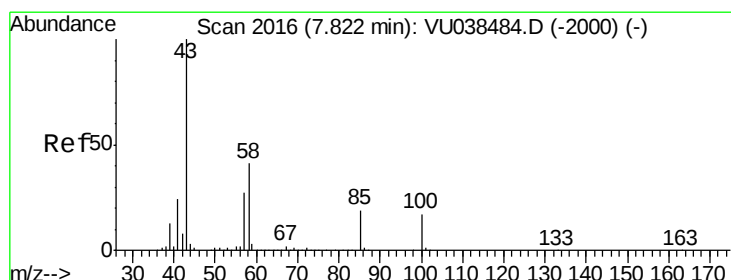
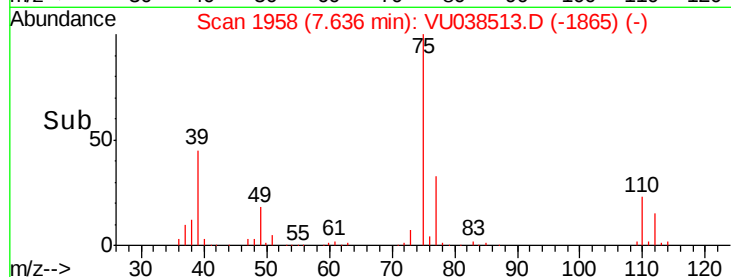
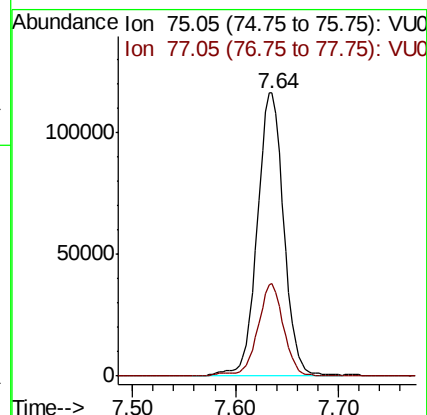
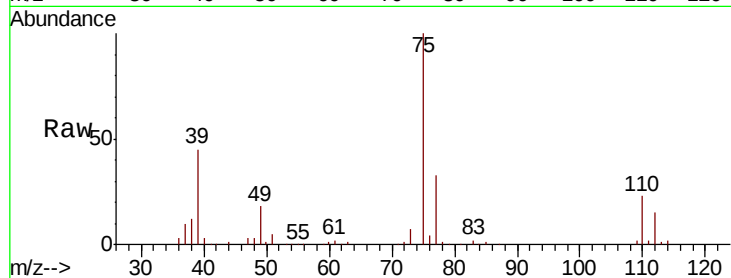


#39

cis-1,3-Dichloropropene
Concen: 5.461 ug/L
RT: 7.64 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

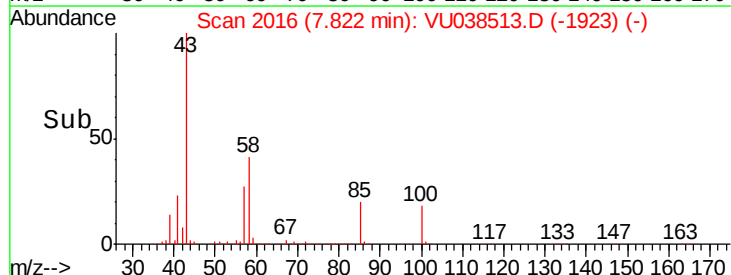
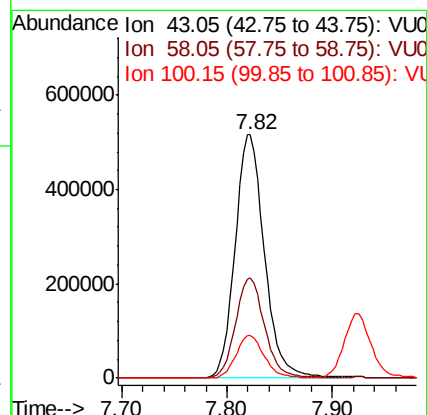
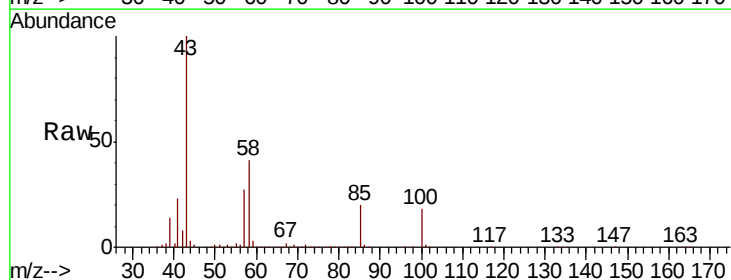
Tot Ion: 75 Resp: 207189
Ion Ratio Lower Upper
75 100
77 32.5 21.9 40.7

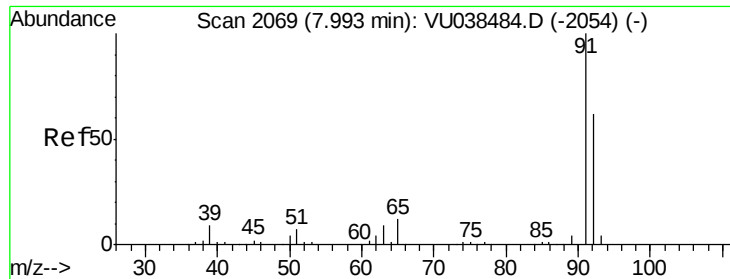


#40

4-Methyl-2-pentanone
Concen: 54.168 ug/L
RT: 7.82 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion: 43 Resp: 994397
Ion Ratio Lower Upper
43 100
58 40.9 32.4 48.6
100 17.1 13.3 19.9





#42

Toluene

Concen: 5.293 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

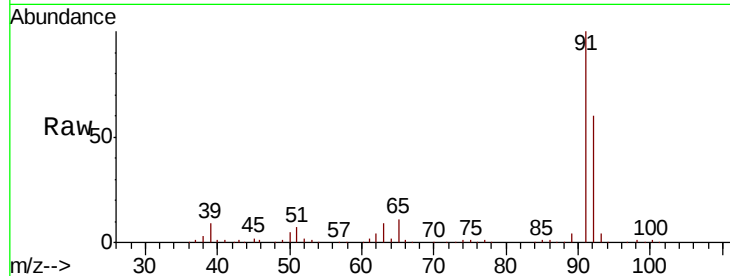
VSTD00507

Tot Ion: 91 Resp: 566310

Ion Ratio Lower Upper

91 100

92 60.5 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038484.D (-2054) (-)

8.00

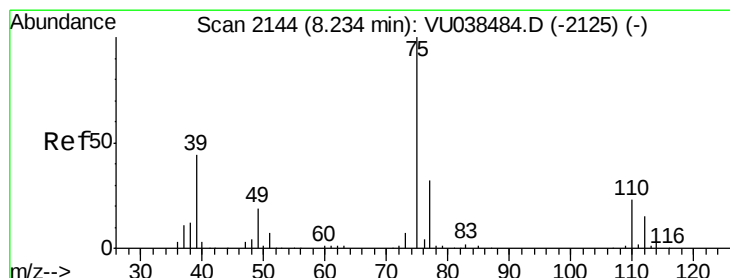
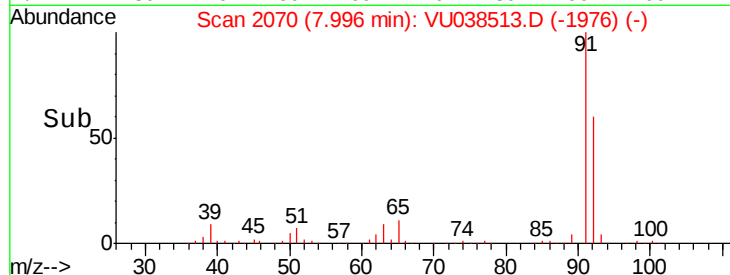
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.450 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038513.D

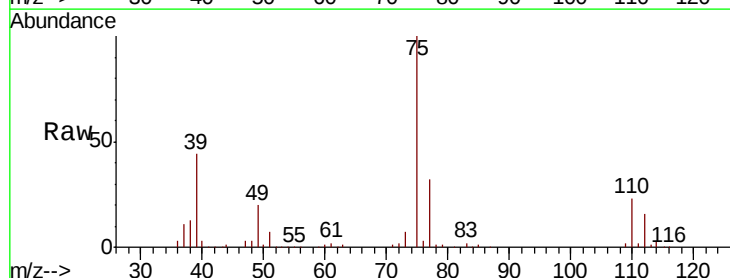
Acq: 03 Jun 2020 14:08

Tgt Ion: 75 Resp: 182599

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038484.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038484.D (-2125) (-)

8.23

120000

100000

80000

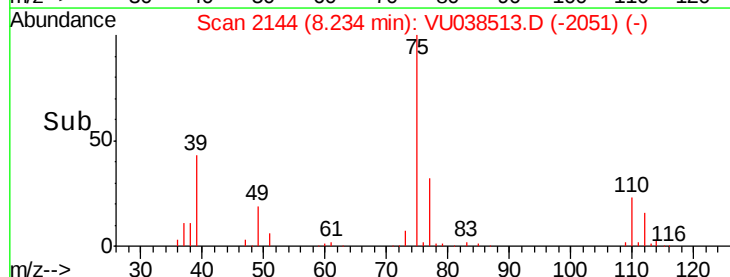
60000

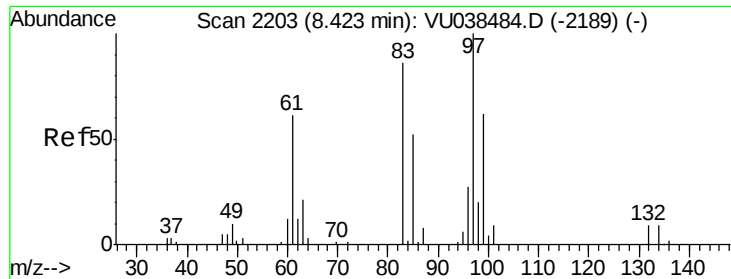
40000

20000

0

Time-->

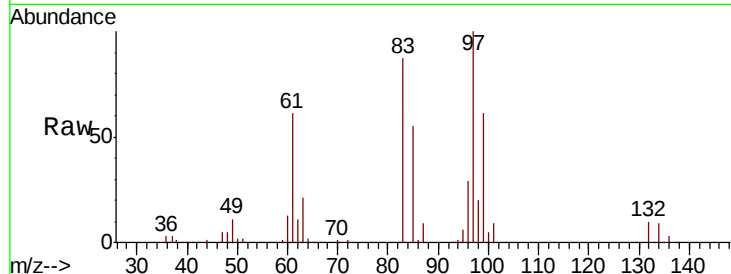




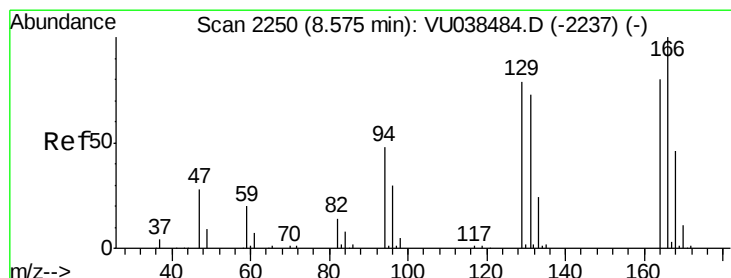
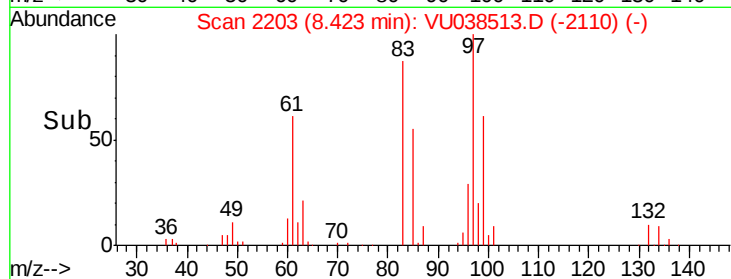
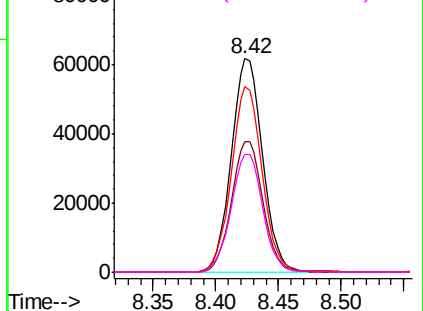
#45
1,1,2-Trichloroethane
Concen: 5.530 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion:	97	Resp:	107086
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.1	78.1
83	86.8	58.8	109.2
85	55.4	37.4	69.4

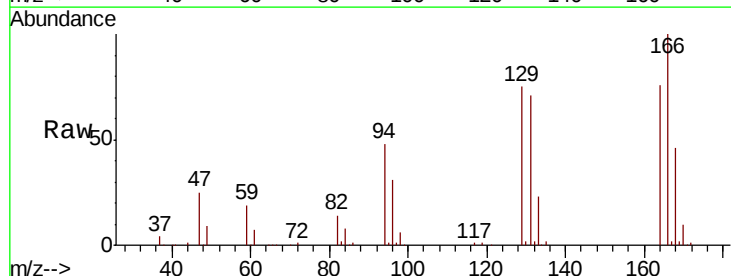


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

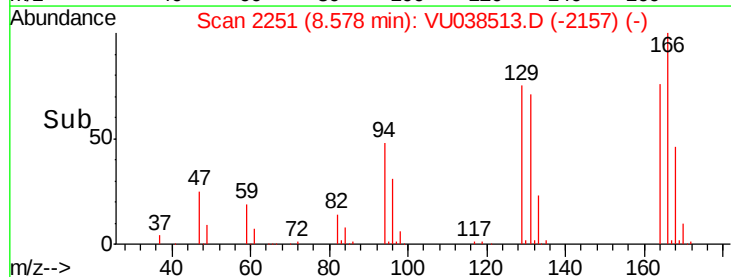
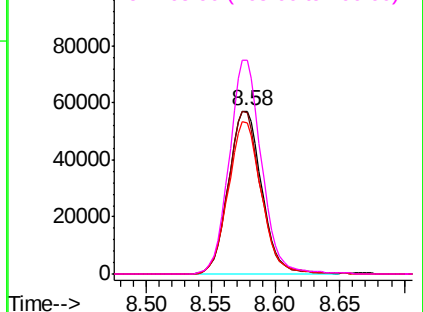


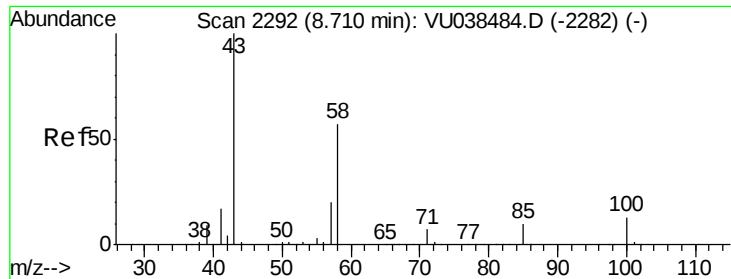
#47
Tetrachloroethene
Concen: 5.331 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion:	164	Resp:	102553
Ion	Ratio	Lower	Upper
164	100		
129	98.7	67.4	125.2
131	92.7	64.1	119.1
166	131.0	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

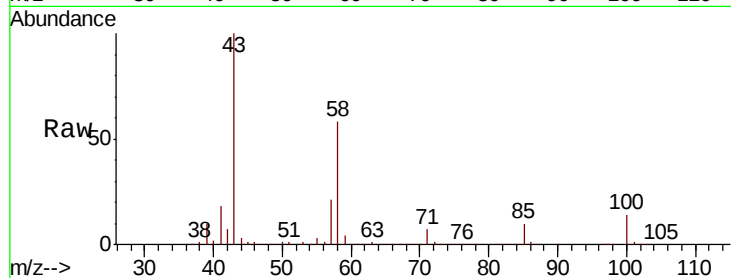




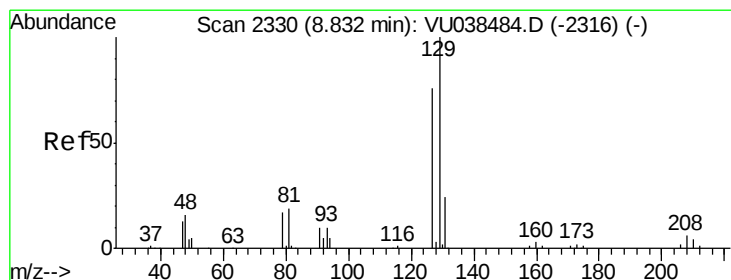
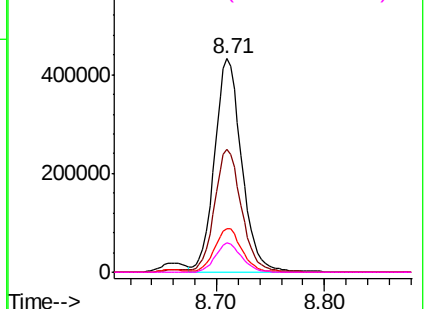
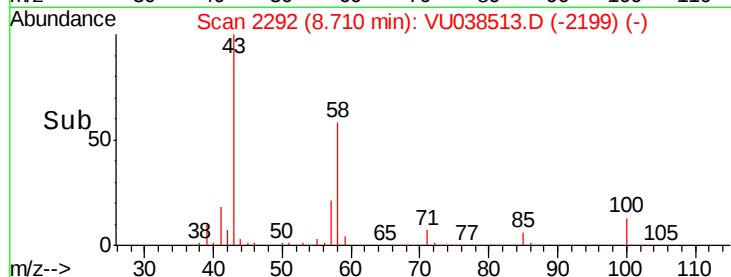
#48
2-Hexanone
Concen: 54.120 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion:	43	Resp:	752406
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.4	68.0
57	20.6	15.9	23.9
100	13.4	10.5	15.7

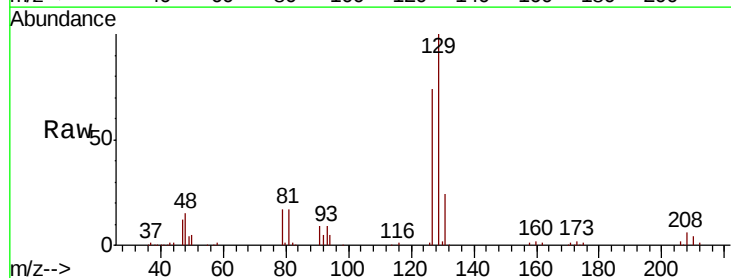


Abundance Ion 43.05 (42.75 to 43.75): VU038513.D (-2199) (-)

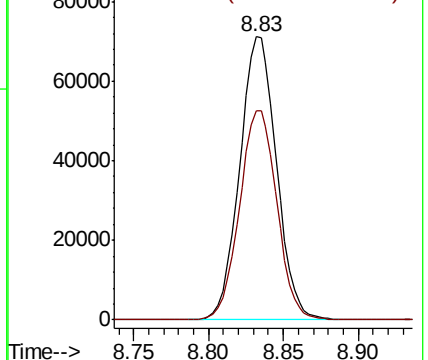
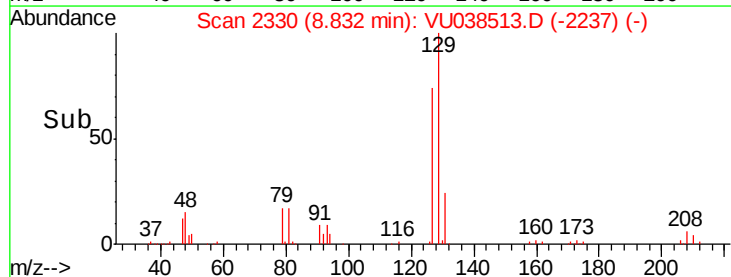


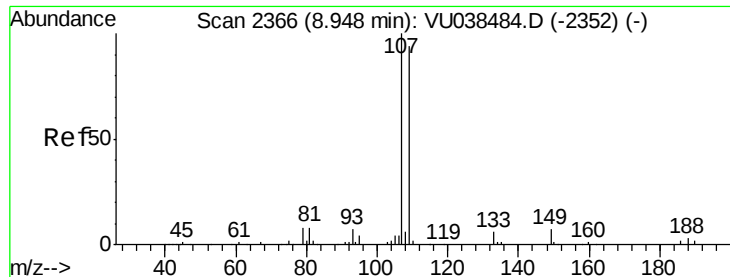
#49
Dibromochloromethane
Concen: 5.828 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion:	129	Resp:	121825
Ion	Ratio	Lower	Upper
129	100		
127	73.9	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038513.D (-2237) (-)

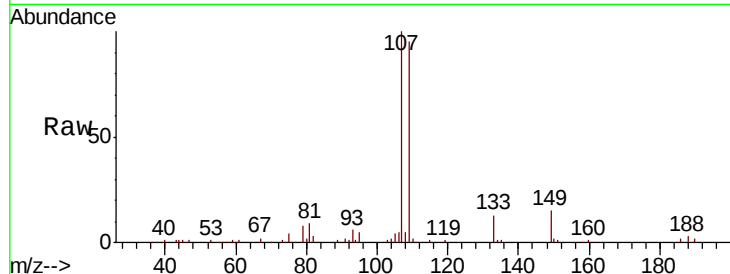




#50
 1,2-Dibromoethane
 Concen: 5.426 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	67.0	124.4
188	3.4	3.0	4.4

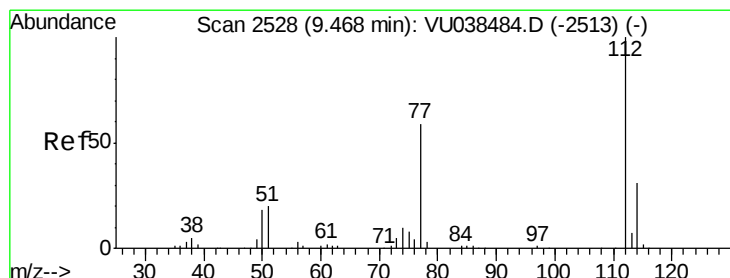
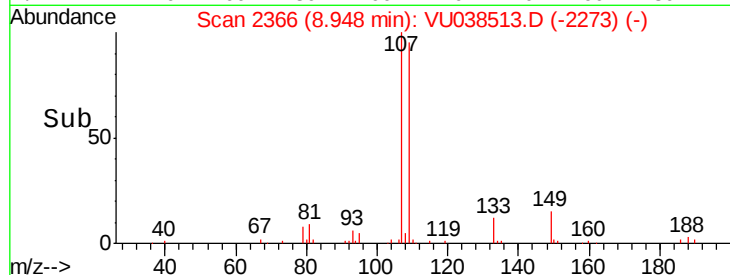
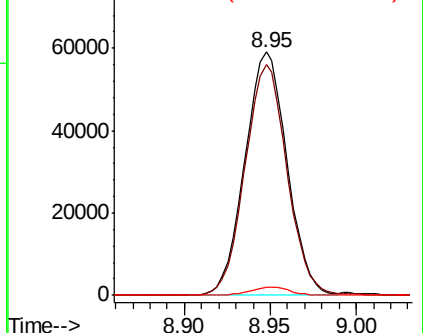


Abundance

Ion 106.95 (106.65 to 107.65): V

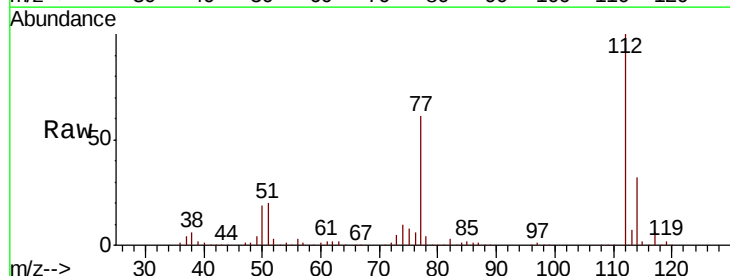
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.314 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	60.9	47.1	70.7

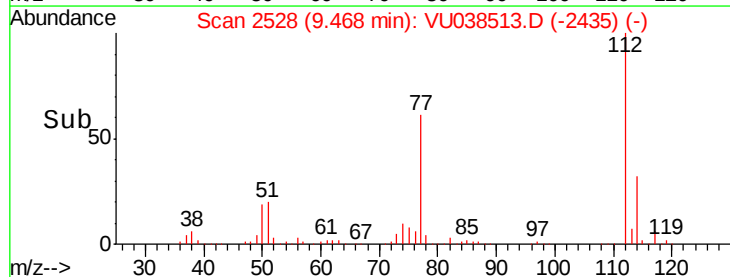
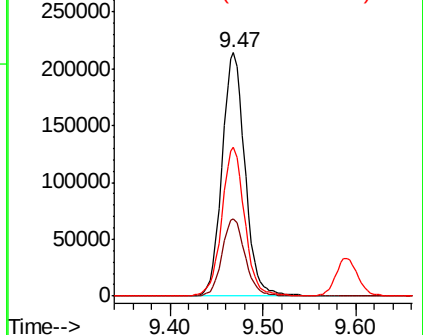


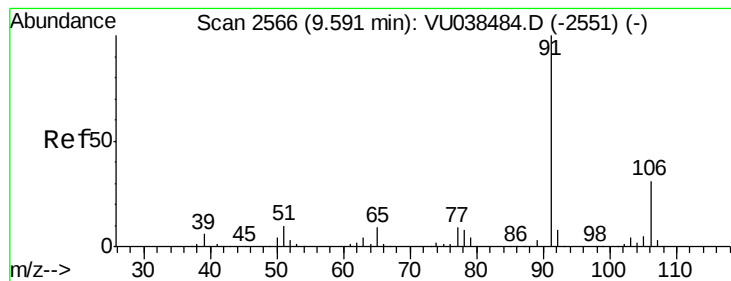
Abundance

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): VU





#52

Ethylbenzene

Concen: 5.290 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

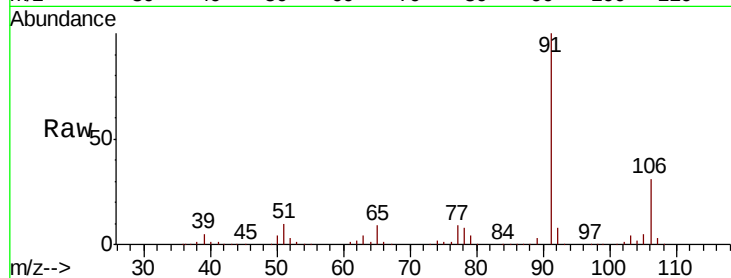
VSTD00507

Tot Ion: 91 Resp: 629764

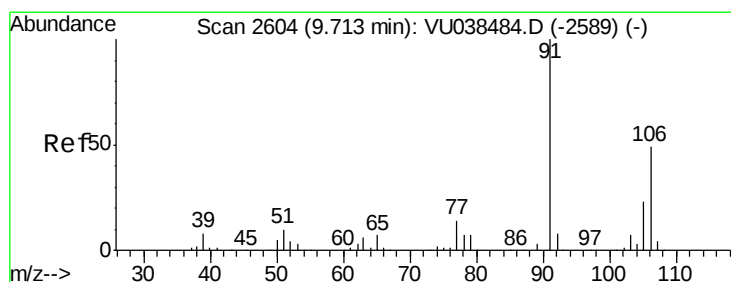
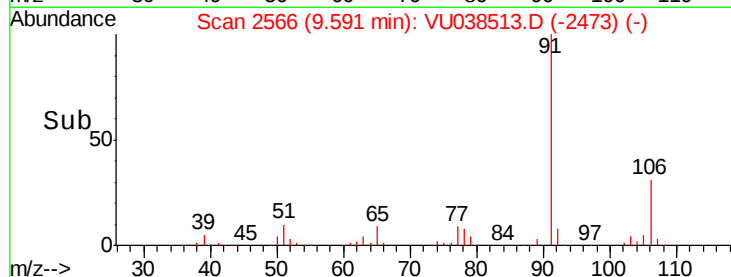
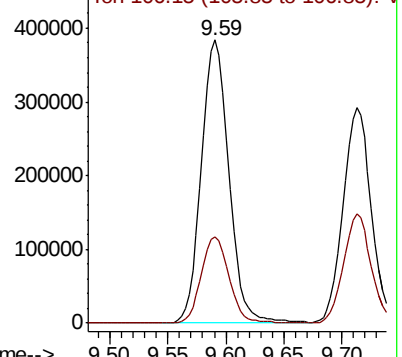
Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038484.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.418 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038513.D

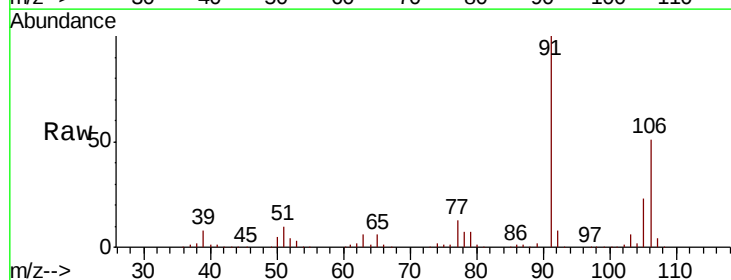
Acq: 03 Jun 2020 14:08

Tgt Ion: 106 Resp: 248023

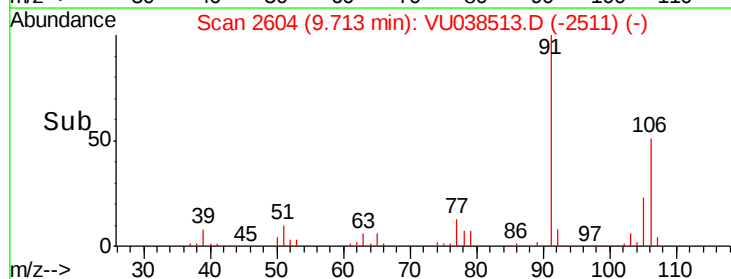
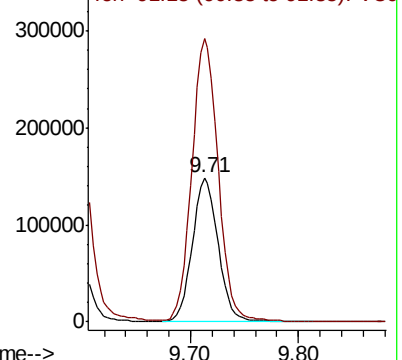
Ion Ratio Lower Upper

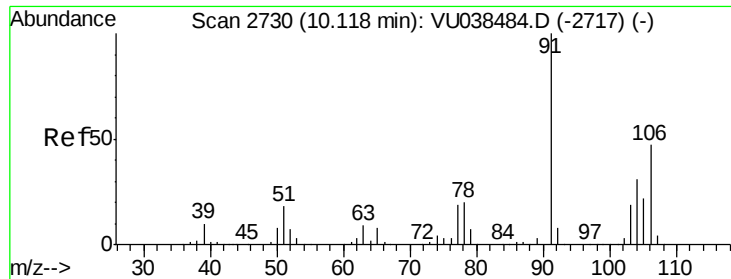
106 100

91 196.2 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038484.D (-2589) (-)

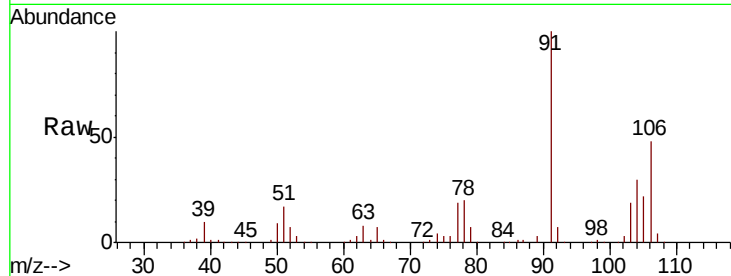




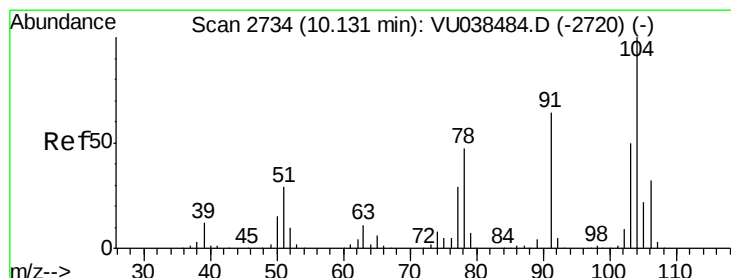
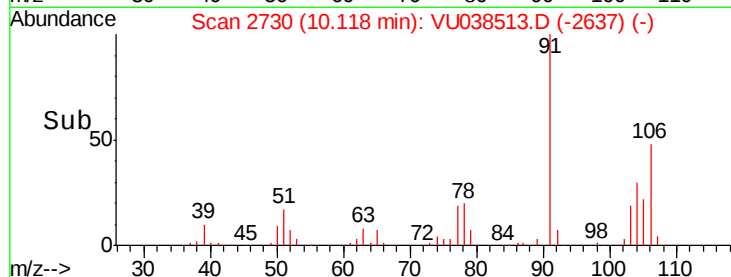
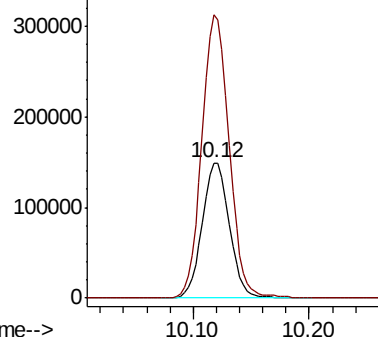
#54
o-Xylene
Concen: 5.506 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion:106 Resp: 241982
Ion Ratio Lower Upper
106 100
91 208.9 150.6 279.8

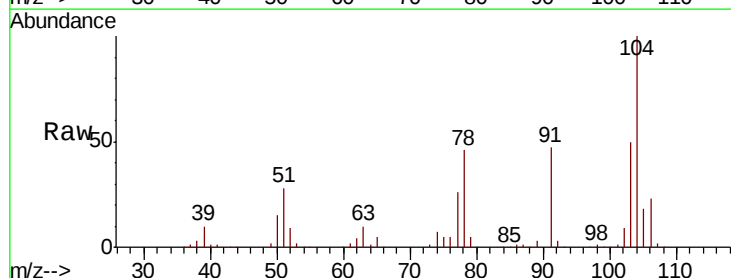


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

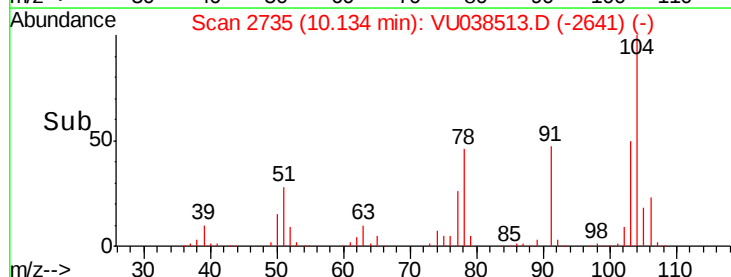
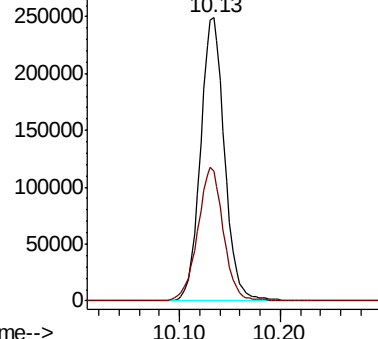


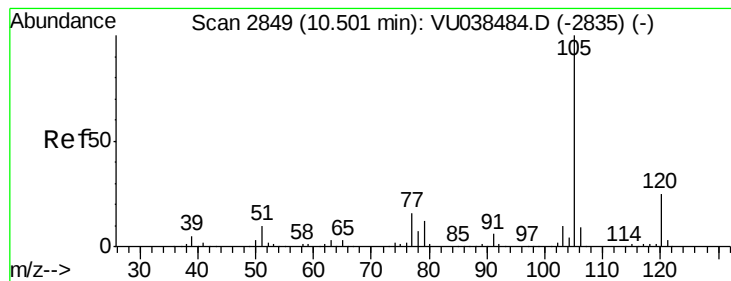
#55
Styrene
Concen: 5.549 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038513.D
Acq: 03 Jun 2020 14:08

Tgt Ion:104 Resp: 413947
Ion Ratio Lower Upper
104 100
78 45.7 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: 5.520 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

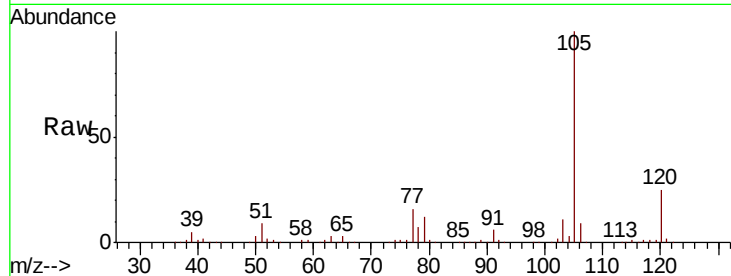
Tot Ion:105 Resp: 638510

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

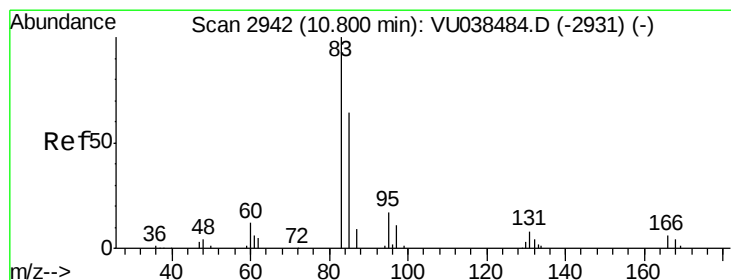
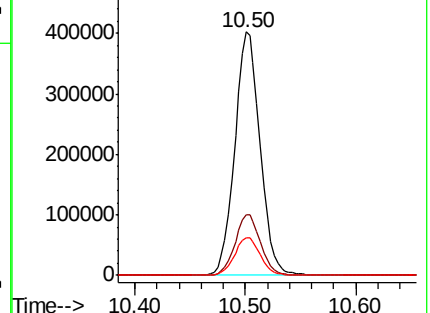
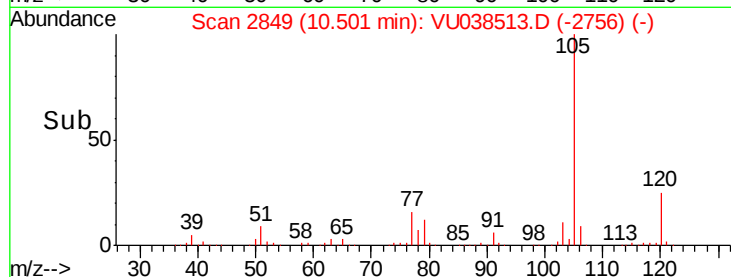
77 15.8 12.5 18.7



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: 5.506 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

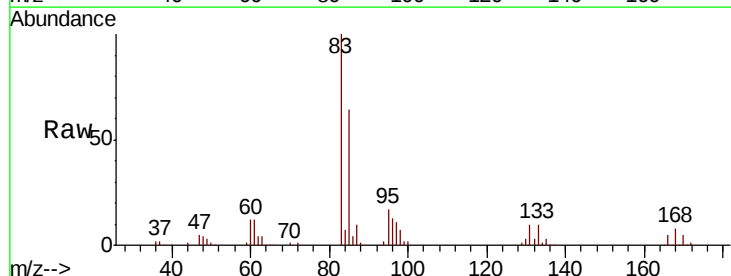
Tgt Ion: 83 Resp: 135498

Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.0

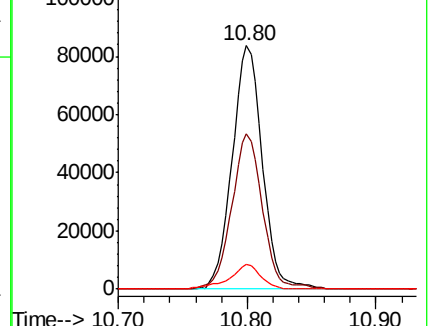
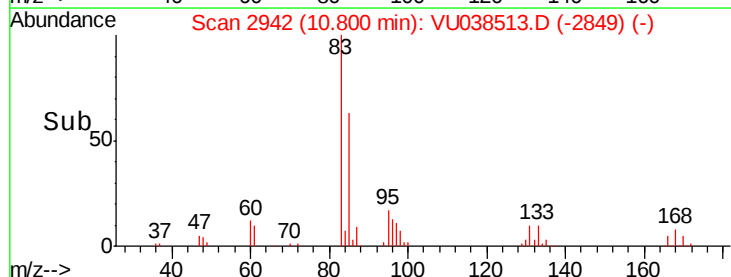
131 9.9 8.1 12.1

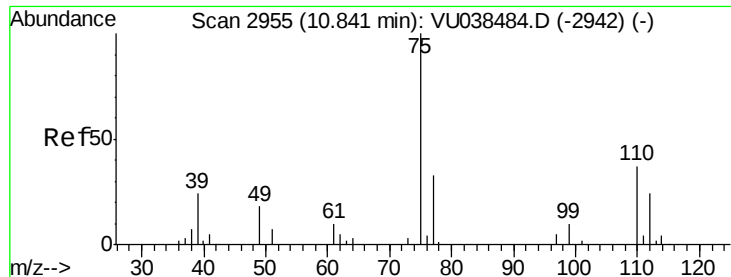


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.529 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

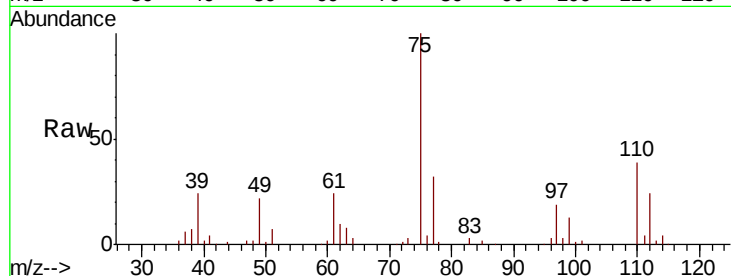
VSTD00507

Tot Ion: 75 Resp: 105939

Ion Ratio Lower Upper

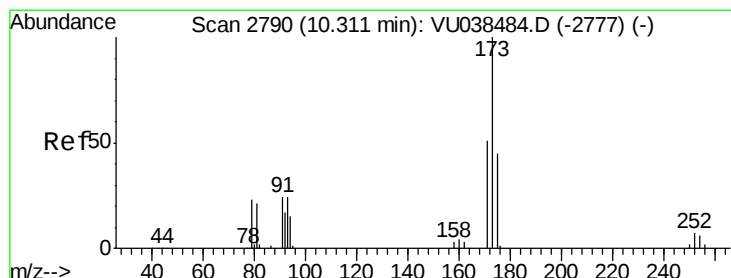
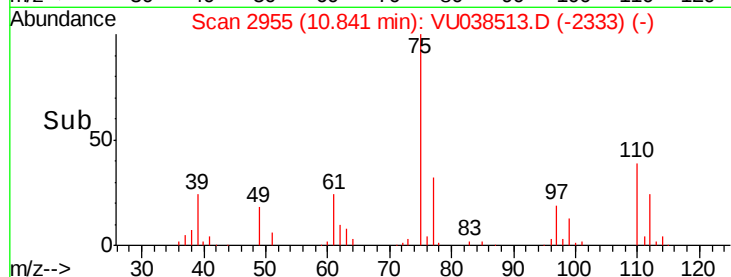
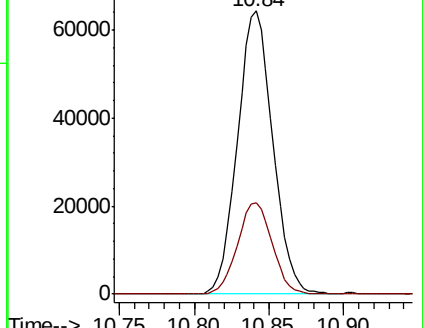
75 100

77 31.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038484.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU038484.D (-2942) (-)



#61

Bromoform

Concen: 5.664 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

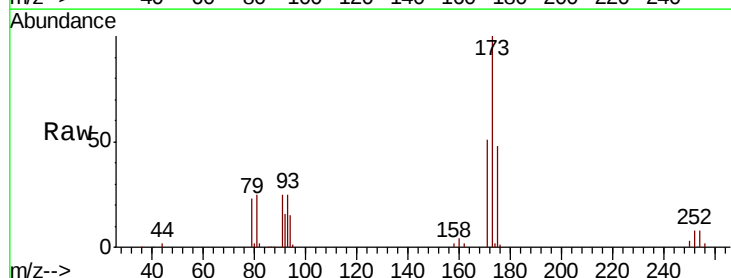
Tgt Ion: 173 Resp: 66297

Ion Ratio Lower Upper

173 100

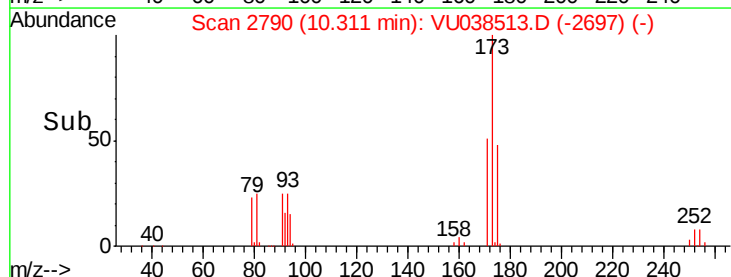
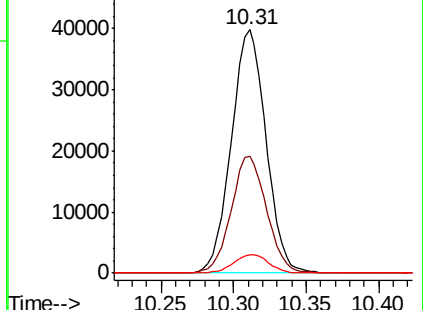
175 48.8 38.7 58.1

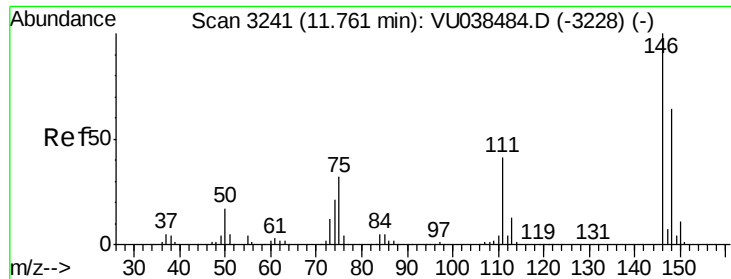
254 7.5 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038484.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038484.D (-2777) (-)

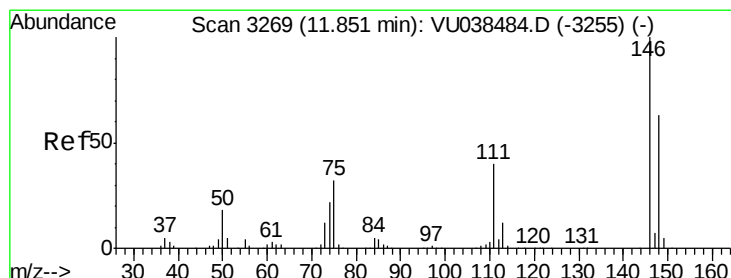
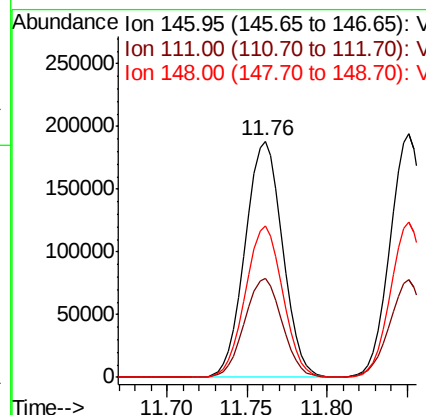
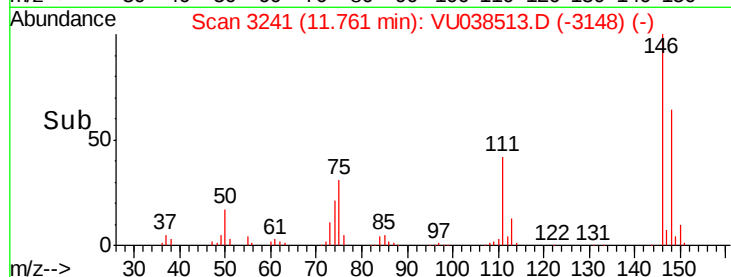
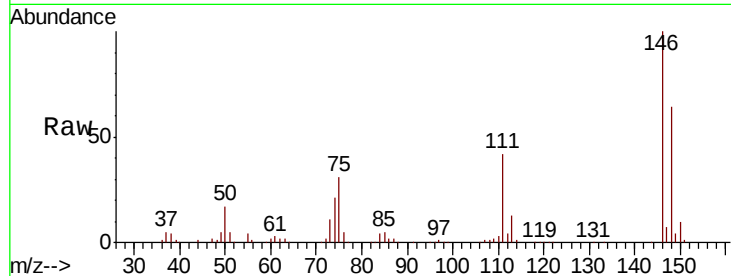




#62
 1,3-Dichlorobenzene
 Concen: 5.427 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

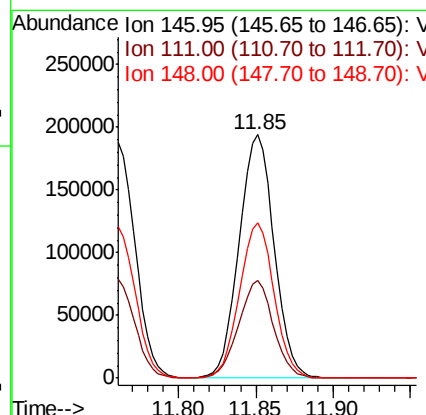
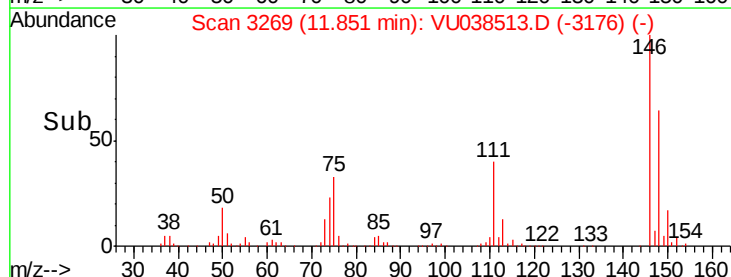
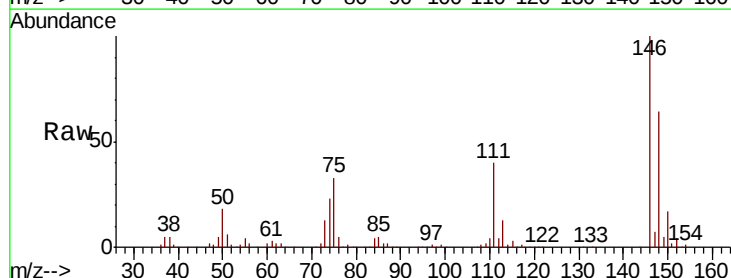
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

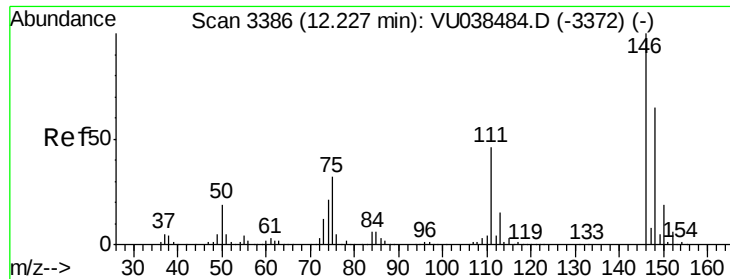
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.5	54.9
148	63.8	45.6	84.6



#63
 1,4-Dichlorobenzene
 Concen: 5.442 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.6	51.2
148	63.7	44.8	83.2

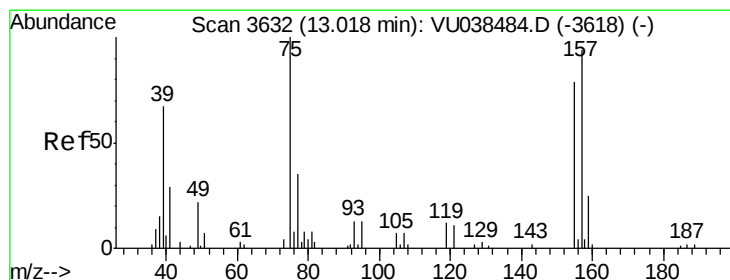
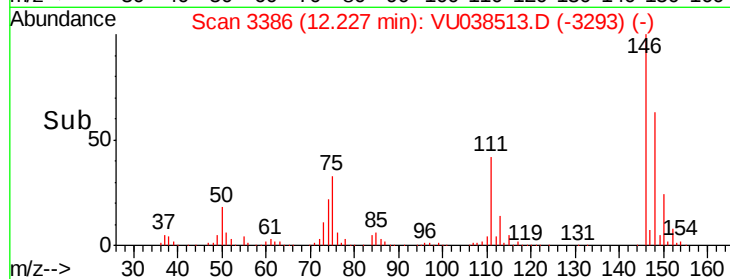
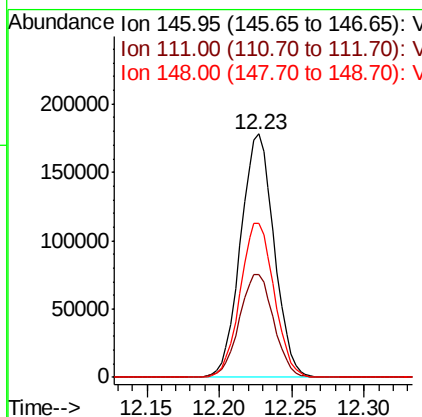
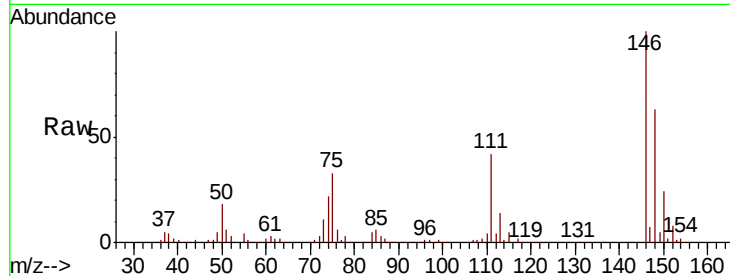




#65
 1,2-Dichlorobenzene
 Concen: 5.451 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

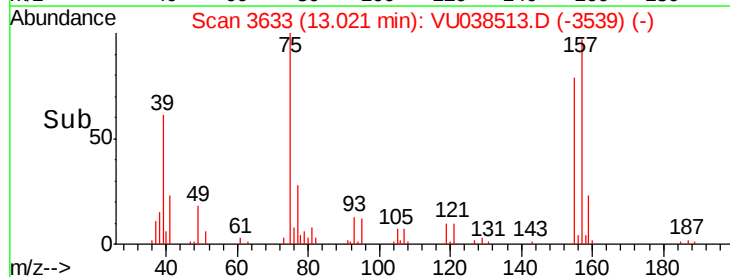
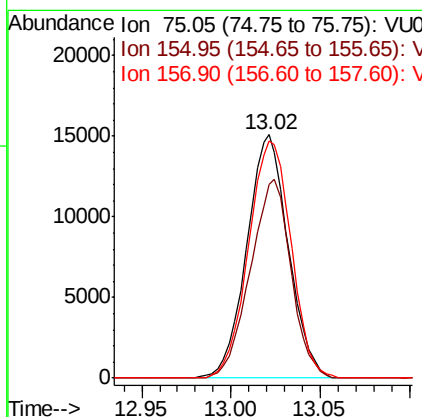
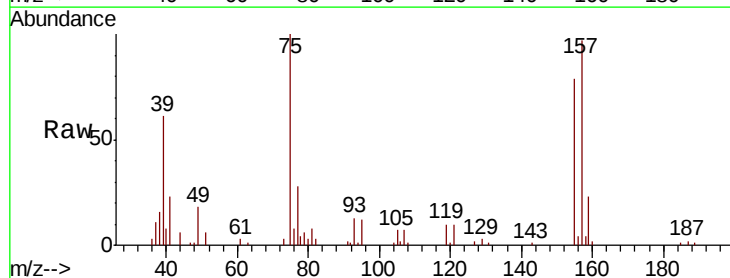
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

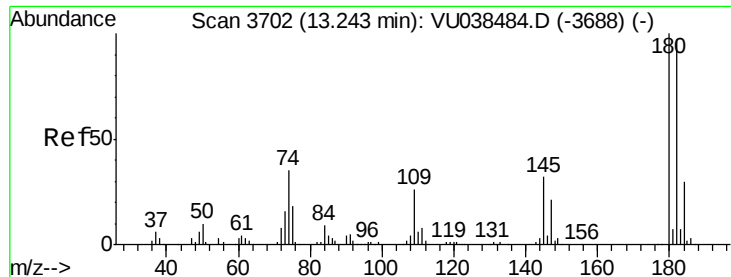
Tot Ion:146 Resp: 285754
 Ion Ratio Lower Upper
 146 100
 111 42.3 35.1 52.7
 148 63.3 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.797 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion: 75 Resp: 24606
 Ion Ratio Lower Upper
 75 100
 155 79.4 59.6 89.4
 157 97.2 79.8 119.6

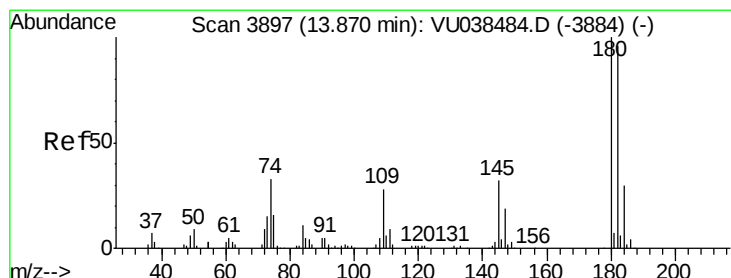
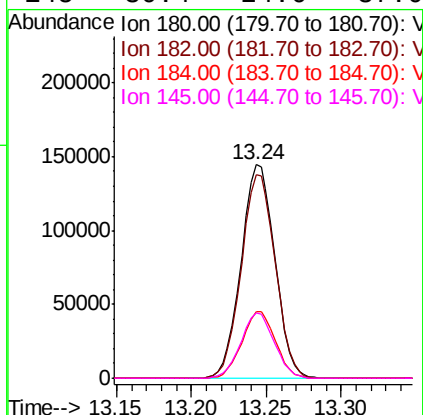
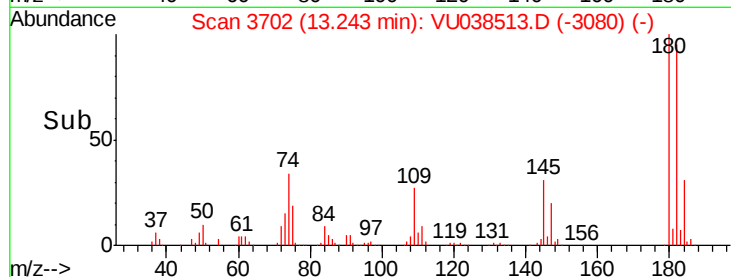
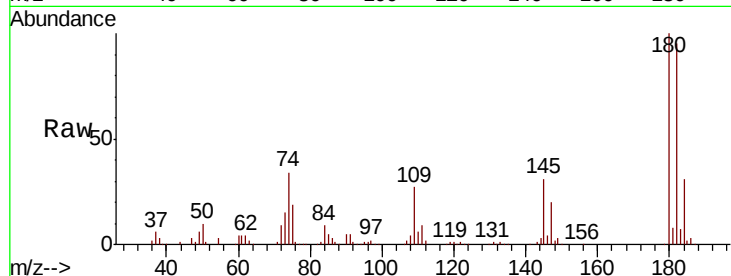




#67
 1,3,5-Trichlorobenzene
 Concen: 5.512 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

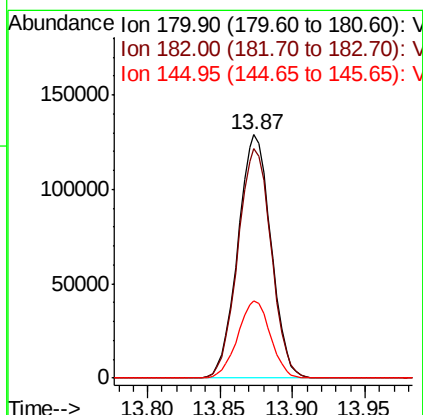
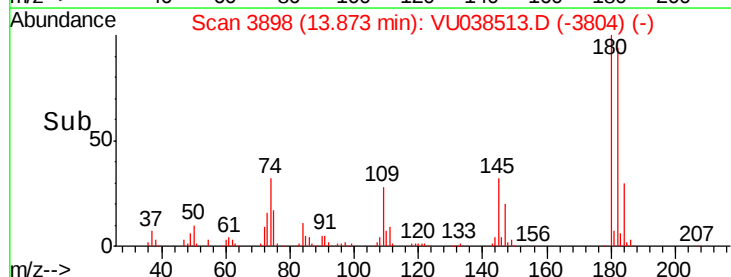
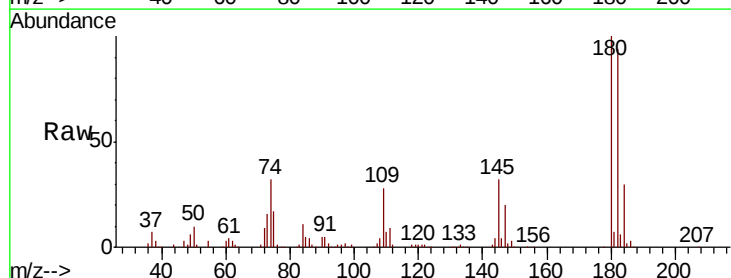
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

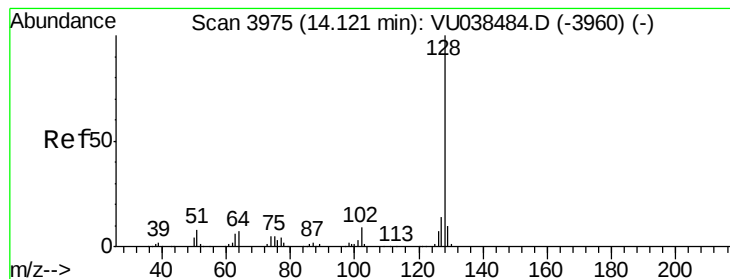
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.9	25.1	37.7
145	30.4	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.365 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU038513.D
 Acq: 03 Jun 2020 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.8
145	31.3	25.3	37.9





#69

Naphthalene

Concen: 5.532 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

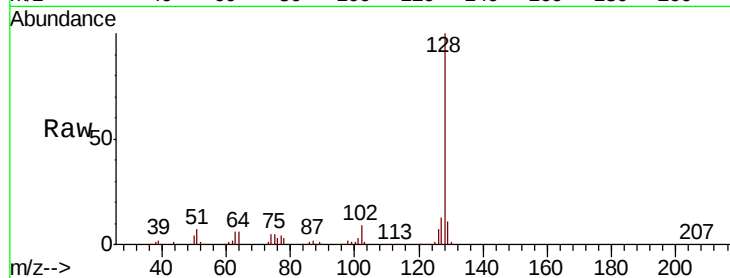
Tot Ion:128 Resp: 419748

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

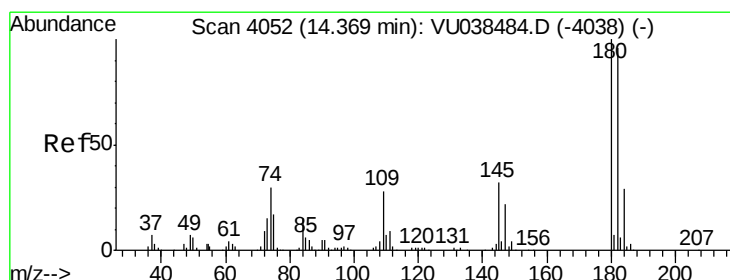
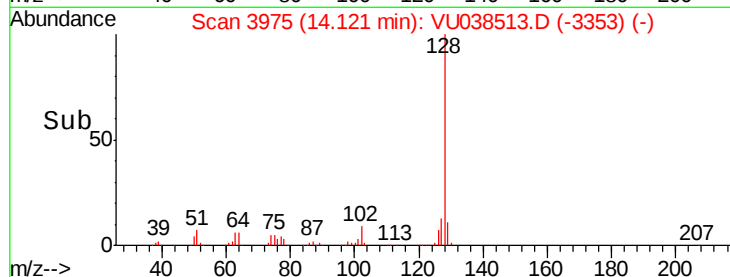
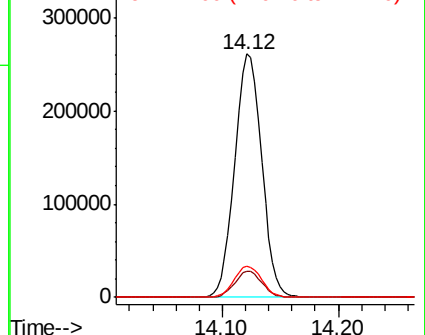
127 13.1 10.2 15.4



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: 5.655 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU038513.D

Acq: 03 Jun 2020 14:08

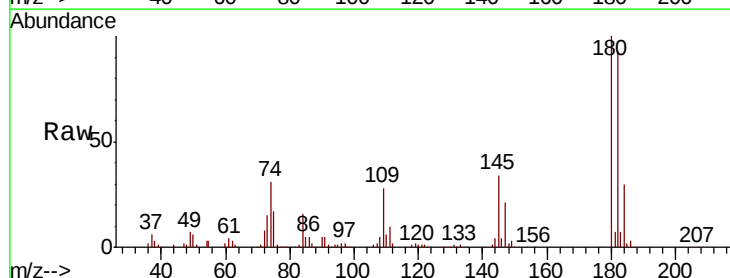
Tgt Ion:180 Resp: 196167

Ion Ratio Lower Upper

180 100

182 92.6 78.7 118.1

145 32.7 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

