

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038677.D
 Acq On : 08 Jun 2020 18:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Jun 09 06:07:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 06:05:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	616893	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	601838	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	297624	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	170501	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.94%
7) Chloroethane-d5	1.93	69	134965	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.96%
11) 1,1-Dichloroethene-d2	2.59	63	358510	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
21) 2-Butanone-d5	4.66	46	352779	105.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.21%
24) Chloroform-d	5.10	84	363305	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
26) 1,2-Dichloroethane-d4	5.74	65	238677	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.76	84	716624	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.86%
36) 1,2-Dichloropropane-d6	6.72	67	221813	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.30%
41) Toluene-d8	7.92	98	642503	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%
43) trans-1,3-Dichloropropene-	8.20	79	112085	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
47) 2-Hexanone-d5	8.65	63	256105	107.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.69%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	336702	50.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.04%
64) 1,2-Dichlorobenzene-d4	12.20	152	254002	49.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	222563	45.560	ug/L 100
3) Chloromethane	1.53	50	227214	48.215	ug/L 98
5) Vinyl chloride	1.62	62	238018	48.226	ug/L 100
6) Bromomethane	1.87	94	128867	50.134	ug/L 99
8) Chloroethane	1.95	64	145342	50.340	ug/L 98
9) Trichlorofluoromethane	2.16	101	314703	46.301	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	178546	45.067	ug/L 97
12) 1,1-Dichloroethene	2.60	96	188350	48.237	ug/L 94
13) Acetone	2.66	43	268120	99.230	ug/L 97
14) Carbon disulfide	2.82	76	606226	47.945	ug/L 100
15) Methyl Acetate	2.98	43	287203	50.864	ug/L 100
16) Methylene chloride	3.08	84	224189	48.358	ug/L 99
17) trans-1,2-Dichloroethene	3.38	96	208264	48.741	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	690485	49.979	ug/L 99
19) 1,1-Dichloroethane	3.91	63	385601	47.626	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	227879	48.245	ug/L 97
22) 2-Butanone	4.74	43	435185	105.023	ug/L 100

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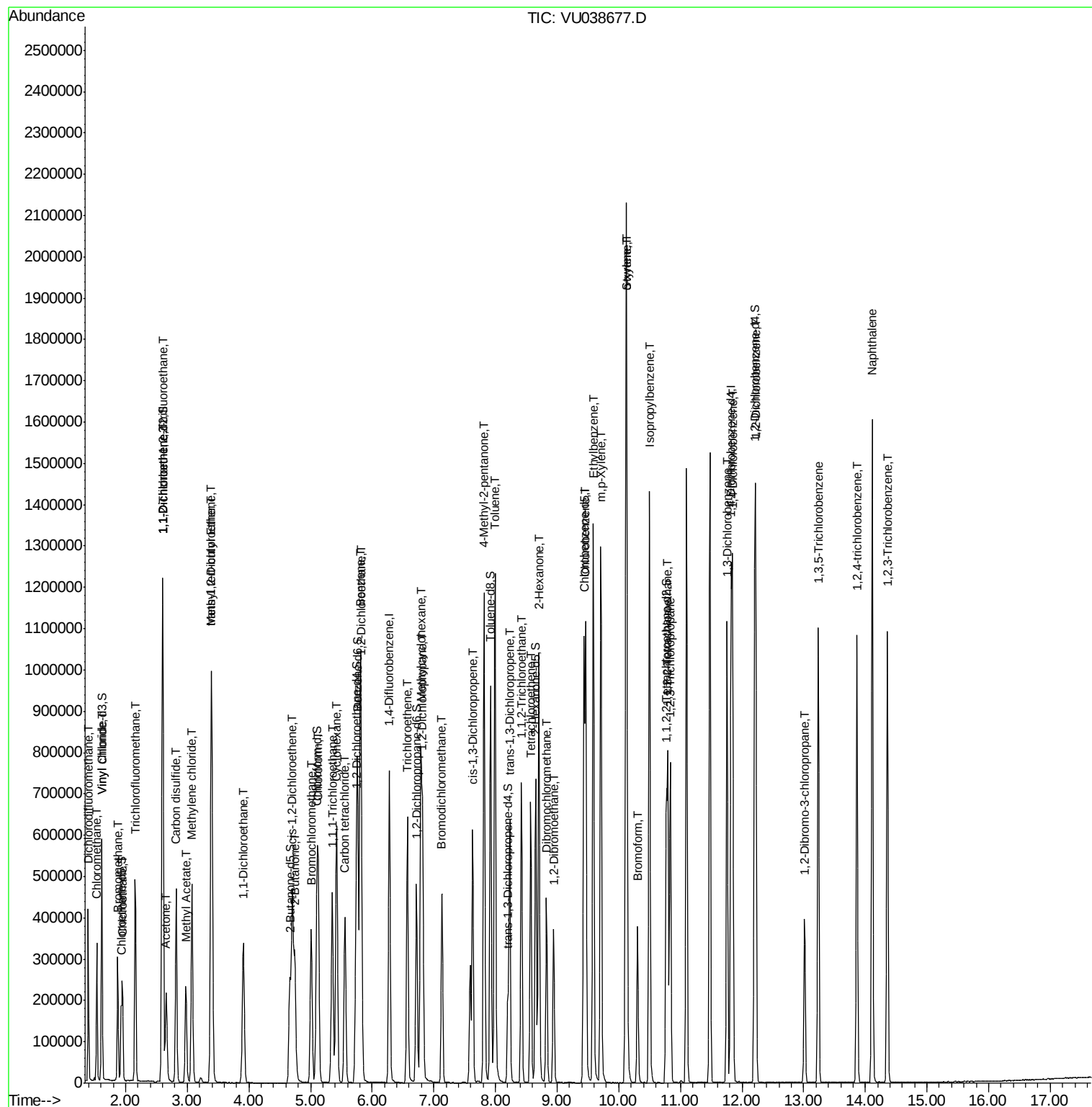
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	116771	49.913	ug/L	96
25) Chloroform	5.12	83	394267	48.657	ug/L	97
27) 1,2-Dichloroethane	5.83	62	324598	48.424	ug/L	99
29) Cyclohexane	5.42	56	317107	46.054	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	336827	47.631	ug/L	99
31) Carbon tetrachloride	5.56	117	273828	46.775	ug/L	99
33) Benzene	5.81	78	868817	48.614	ug/L	100
34) Trichloroethene	6.57	95	216315	47.590	ug/L	99
35) Methylcyclohexane	6.79	83	314536	45.884	ug/L	100
37) 1,2-Dichloropropane	6.82	63	227224	48.790	ug/L	99
38) Bromodichloromethane	7.13	83	296604	49.680	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	354340	49.335	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	760927	104.513	ug/L	100
42) Toluene	7.99	91	911172	48.760	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	347652	50.534	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	221786	49.478	ug/L	99
46) Tetrachloroethene	8.57	164	155462	47.408	ug/L	97
48) 2-Hexanone	8.70	43	637197	105.872	ug/L	99
49) Dibromochloromethane	8.83	129	229450	49.842	ug/L	98
50) 1,2-Dibromoethane	8.94	107	242404	50.312	ug/L	99
51) Chlorobenzene	9.47	112	574667	47.868	ug/L	99
52) Ethylbenzene	9.59	91	984439	47.733	ug/L	99
53) m,p-Xylene	9.71	106	383558	48.449	ug/L	99
54) o-xylene	10.11	106	375817	48.900	ug/L	99
55) Styrene	10.13	104	654193	49.102	ug/L	97
56) Isopropylbenzene	10.50	105	954900	47.606	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	379241	49.712	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	326610	50.017	ug/L	99
61) Bromoform	10.31	173	168504	51.619	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	446338	48.590	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	449397	48.314	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	454885	49.755	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	103002	54.364	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	323651	49.047	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	316789	50.924	ug/L	100
69) Naphthalene	14.11	128	1251388	56.902	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	327153	52.419	ug/L	99

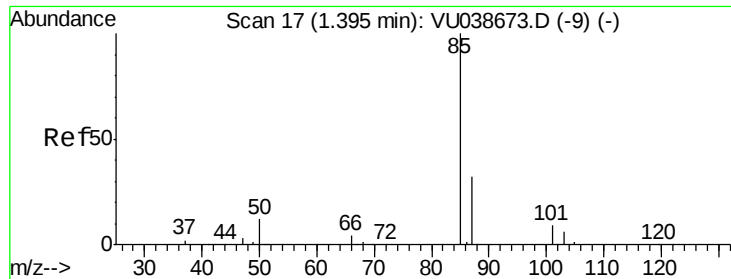
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.560 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampled :

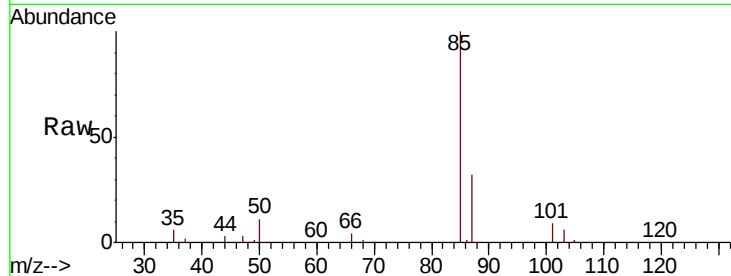
VSTD05043

Tot Ion: 85 Resp: 222563

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038677.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038677.D (-9) (-)

1.39

250000

200000

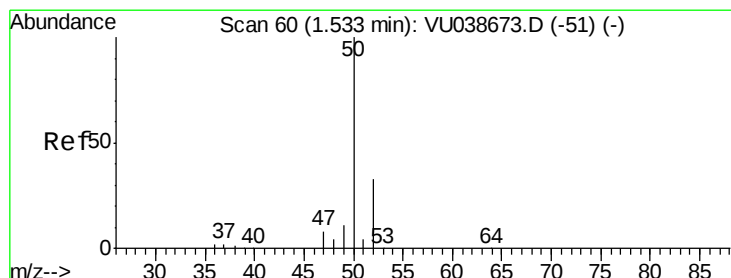
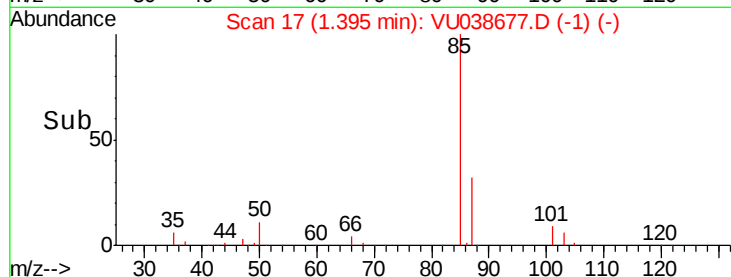
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.215 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038677.D

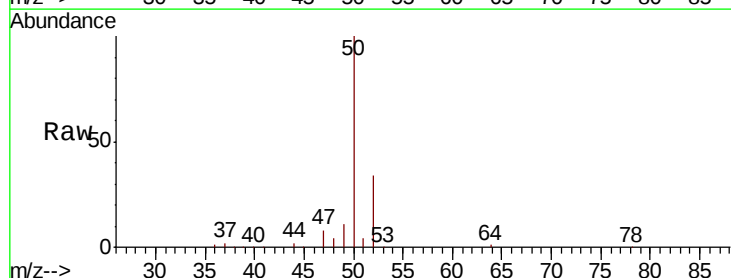
Acq: 08 Jun 2020 18:32

Tgt Ion: 50 Resp: 227214

Ion Ratio Lower Upper

50 100

52 34.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038677.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038677.D (-51) (-)

1.53

200000

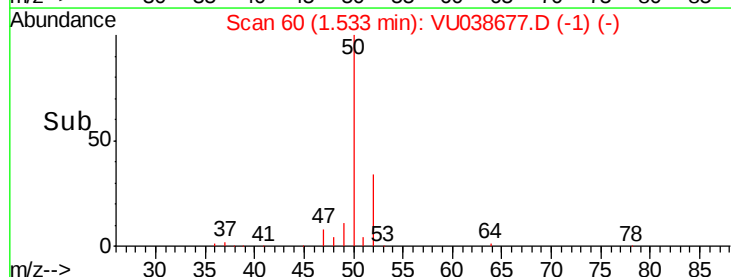
150000

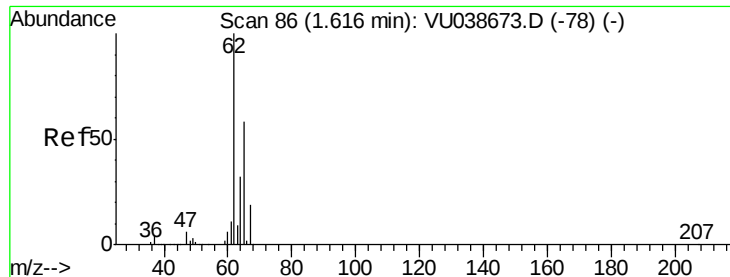
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.226 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

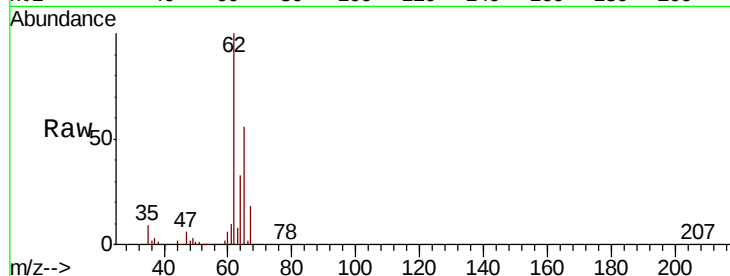
VSTD05043

Tot Ion: 62 Resp: 238018

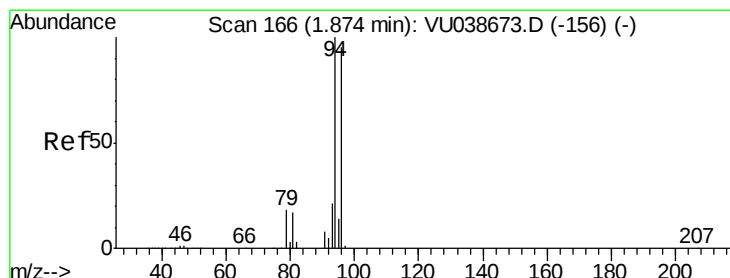
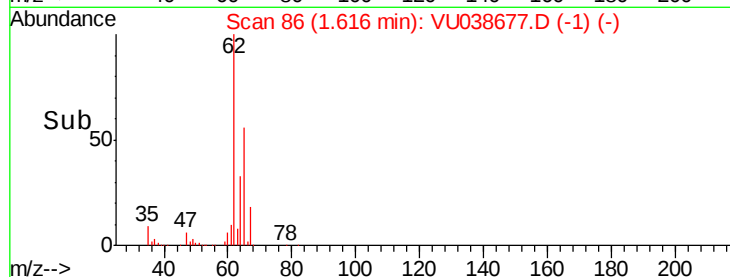
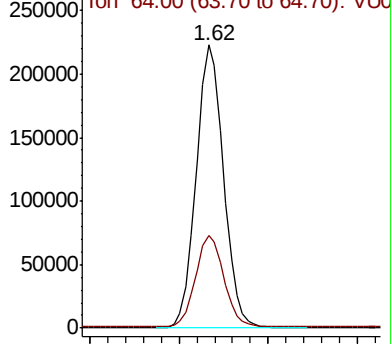
Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU038677.D (-1) (-)



#6

Bromomethane

Concen: 50.134 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038677.D

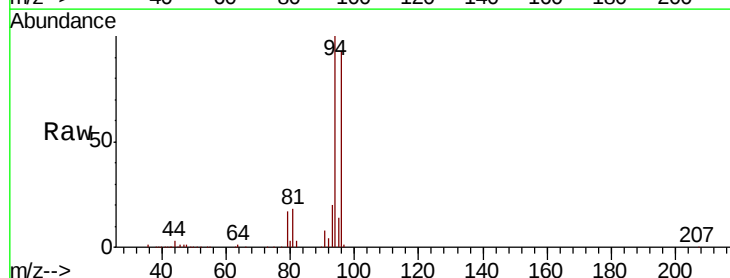
Acq: 08 Jun 2020 18:32

Tgt Ion: 94 Resp: 128867

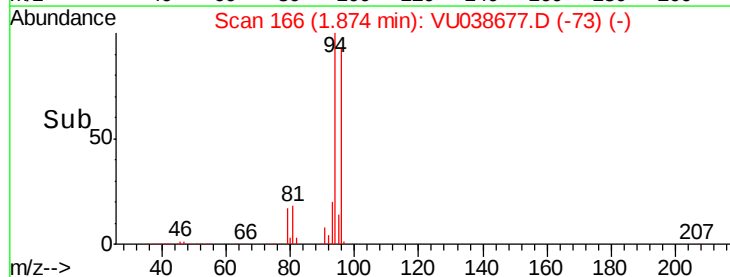
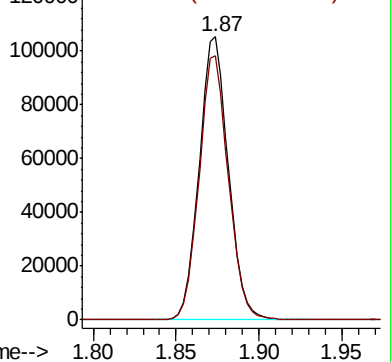
Ion Ratio Lower Upper

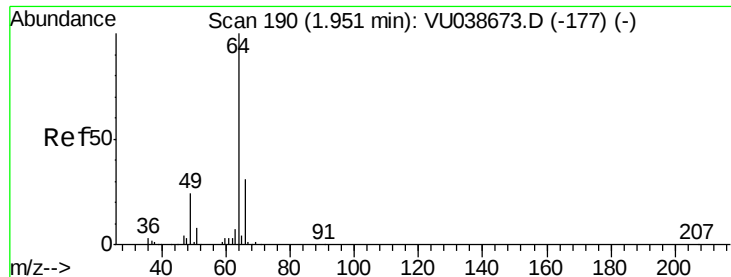
94 100

96 93.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU038677.D (-73) (-)

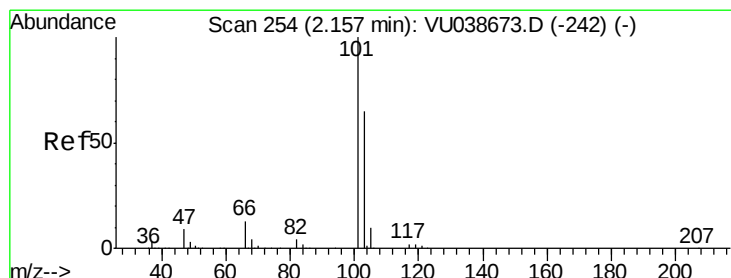
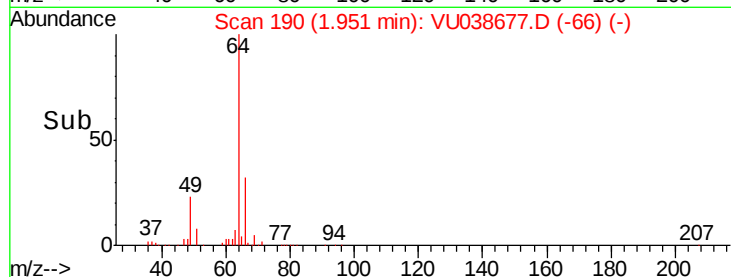
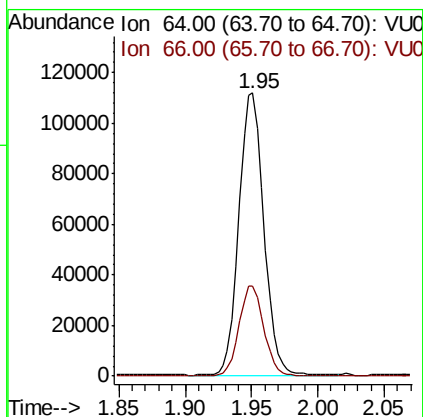
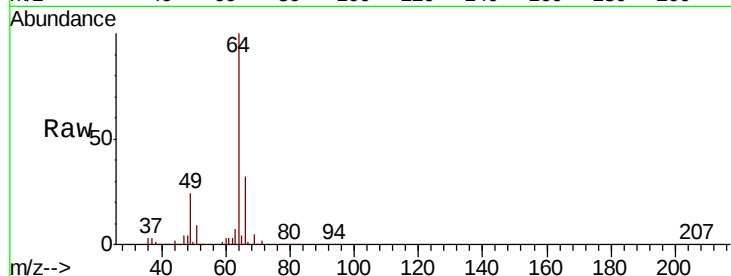




#8
 Chloroethane
 Concen: 50.340 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

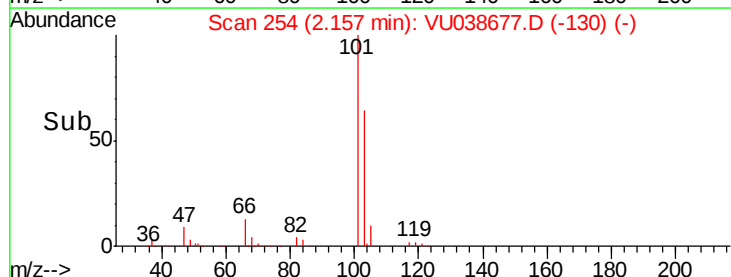
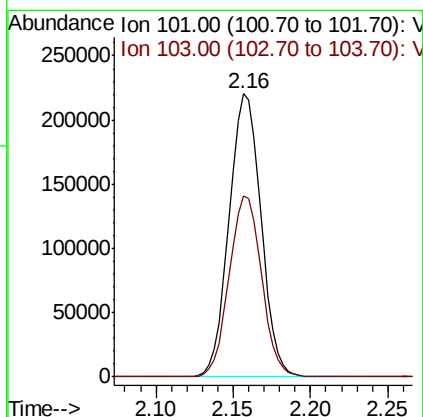
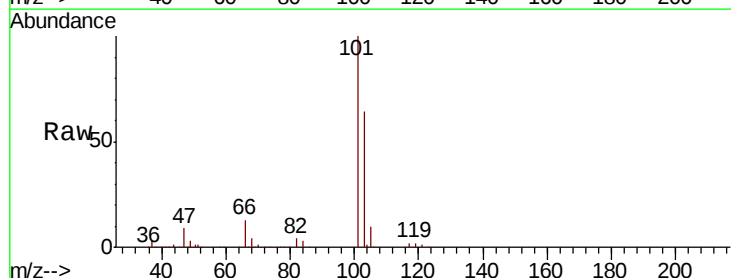
Instrument :
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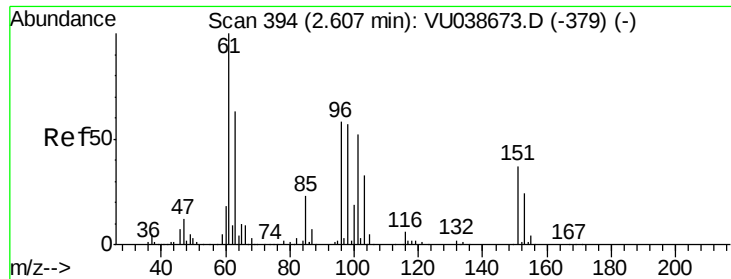
Tot Ion: 64 Resp: 145342
 Ion Ratio Lower Upper
 64 100
 66 32.0 21.6 40.2



#9
 Trichlorofluoromethane
 Concen: 46.301 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion: 101 Resp: 314703
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.7 77.5





#10

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

Concen: 45.067 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

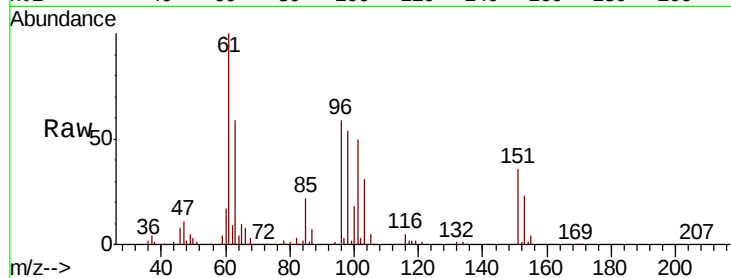
Tot Ion:101 Resp: 178546

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

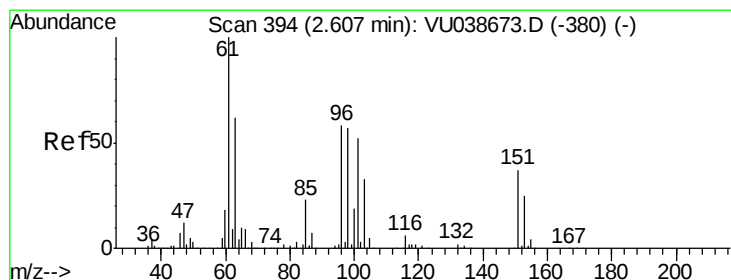
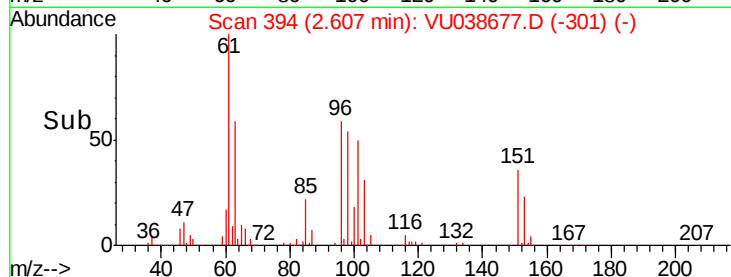
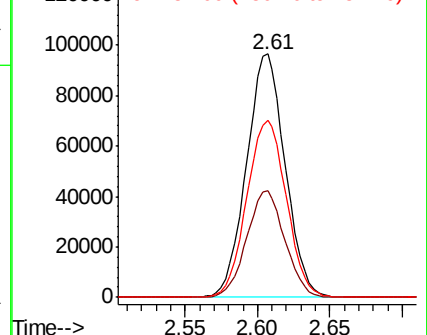
151 74.6 57.4 86.0



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: 48.237 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

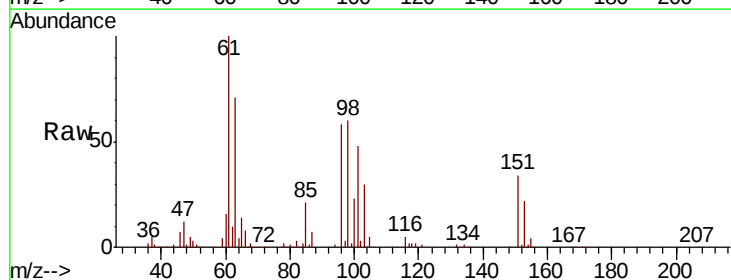
Tgt Ion: 96 Resp: 188350

Ion Ratio Lower Upper

96 100

61 173.3 120.0 223.0

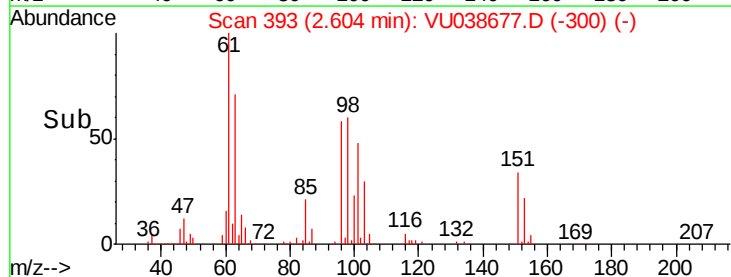
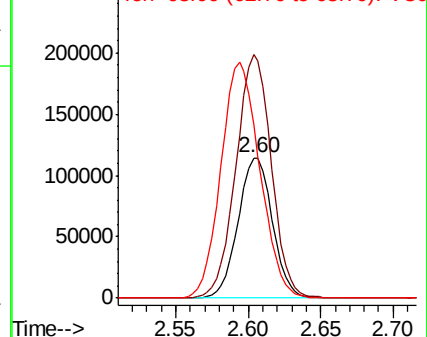
63 123.2 75.8 140.8

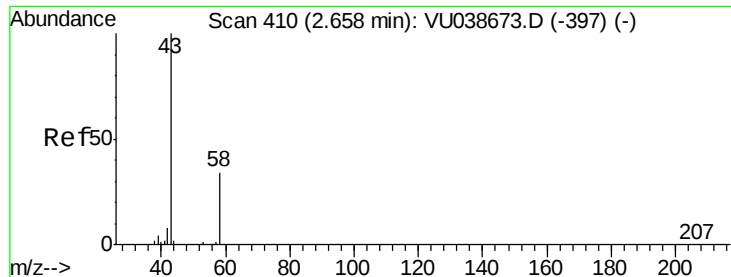


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.230 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

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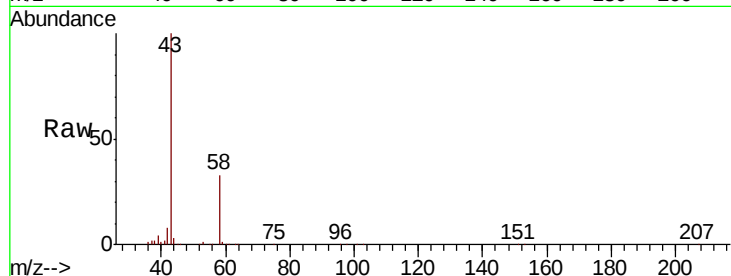
VSTD05043

Tot Ion: 43 Resp: 268120

Ion Ratio Lower Upper

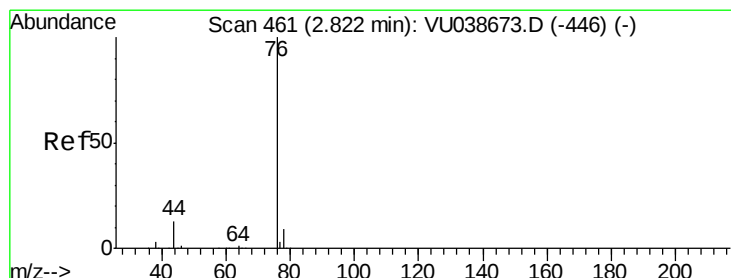
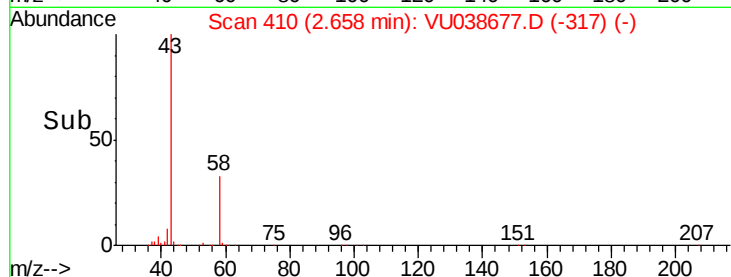
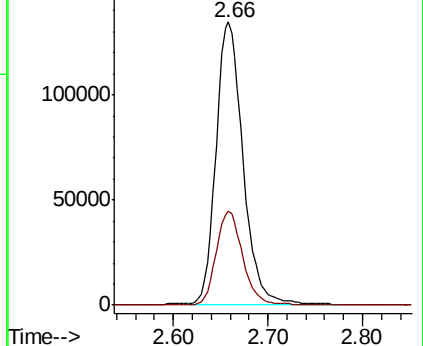
43 100

58 32.3 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038677.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU038677.D (-317) (-)



#14

Carbon disulfide

Concen: 47.945 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038677.D

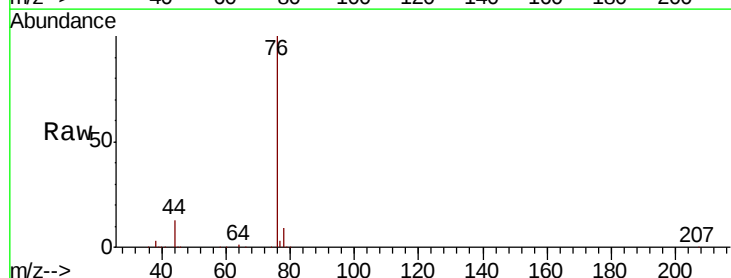
Acq: 08 Jun 2020 18:32

Tgt Ion: 76 Resp: 606226

Ion Ratio Lower Upper

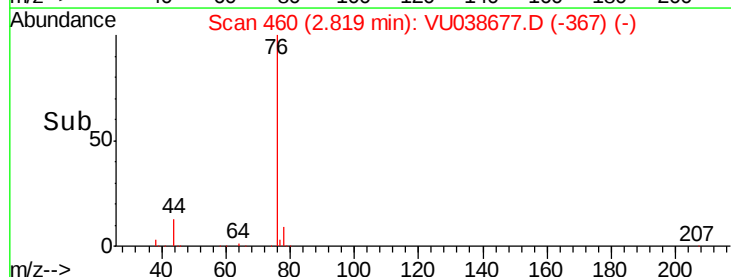
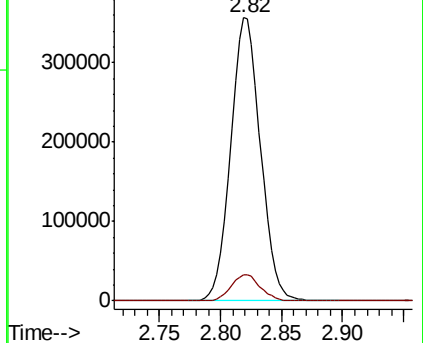
76 100

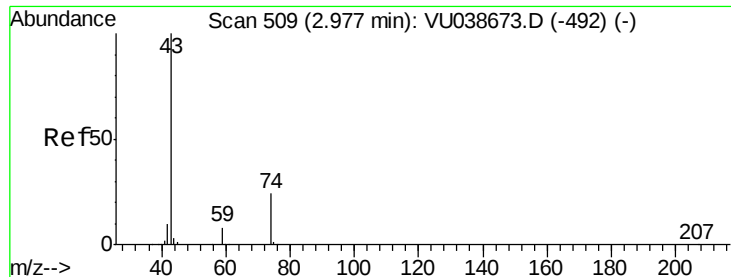
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038677.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038677.D (-367) (-)

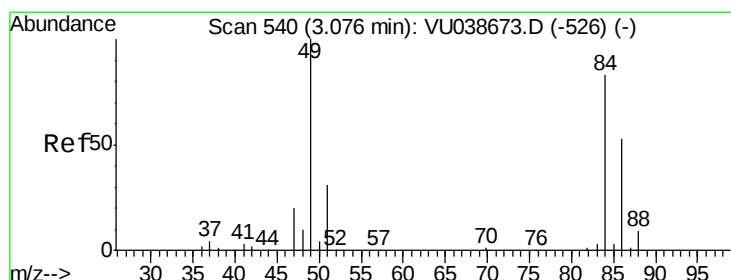
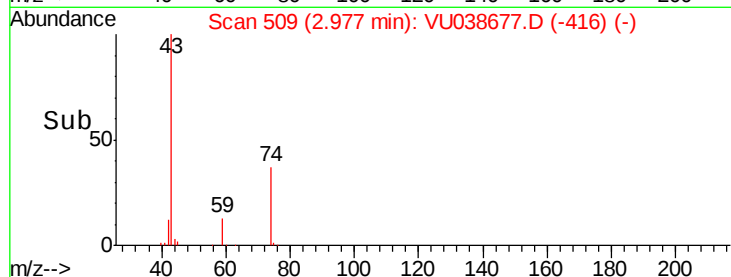
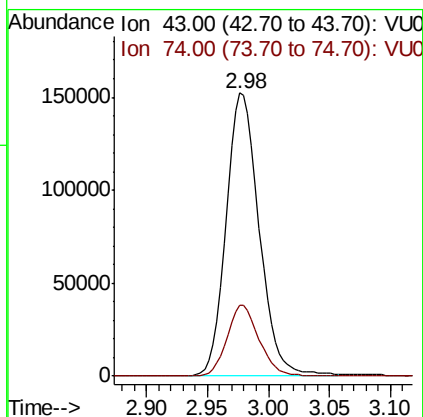
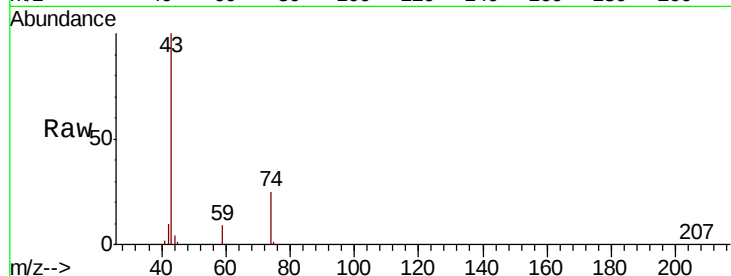




#15
Methvl Acetate
Concen: 50.864 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

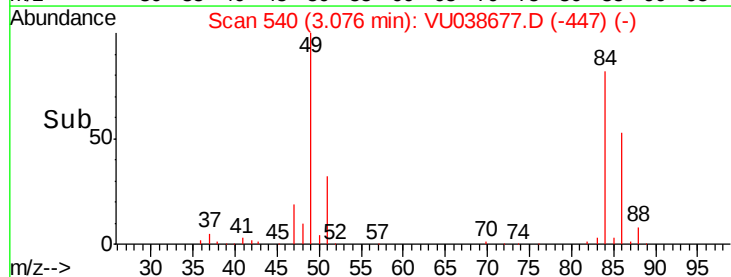
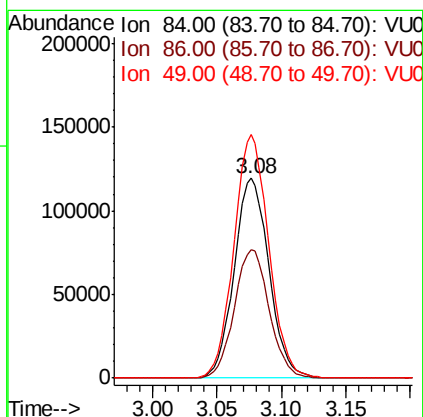
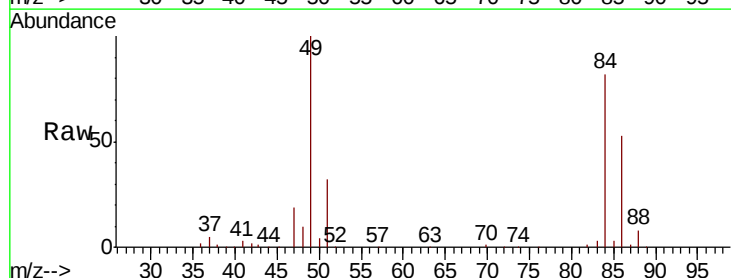
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

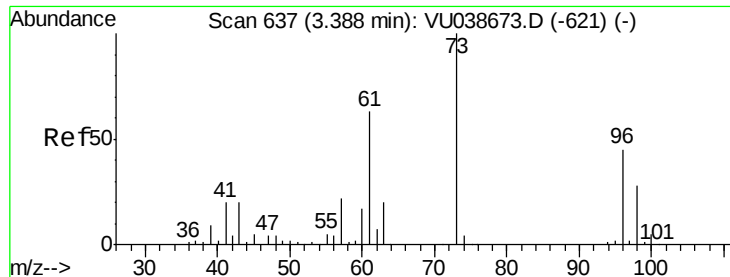
Tot Ion: 43 Resp: 287203
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5



#16
Methylene chloride
Concen: 48.358 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

Tgt Ion: 84 Resp: 224189
Ion Ratio Lower Upper
84 100
86 64.2 44.7 83.1
49 121.8 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 48.741 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

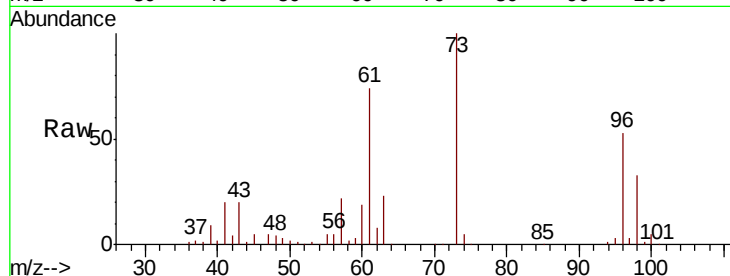
Tot Ion: 96 Resp: 208264

Ion Ratio Lower Upper

96 100

61 140.1 98.2 182.4

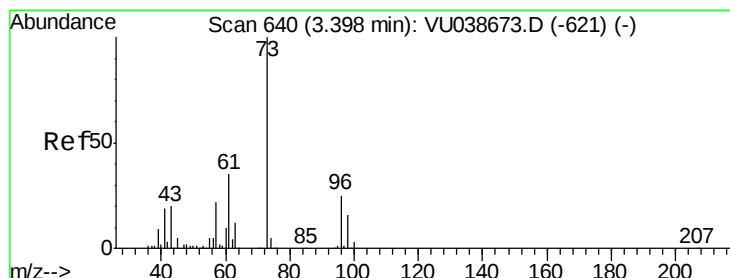
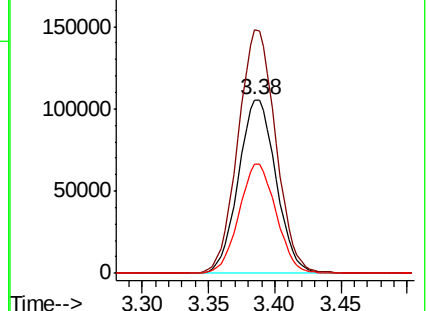
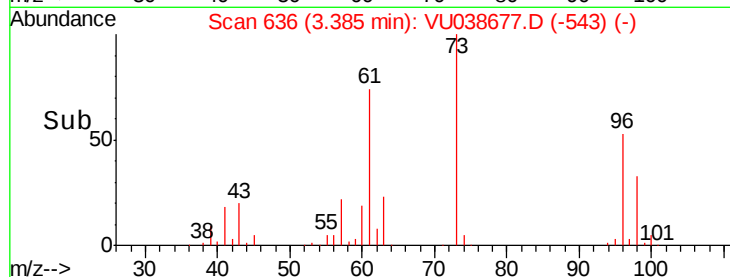
98 62.7 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU038677.D (-543) (-)

Ion 61.00 (60.70 to 61.70): VU038677.D (-543) (-)

Ion 98.00 (97.70 to 98.70): VU038677.D (-543) (-)



#18

Methyl tert-butyl Ether

Concen: 49.979 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

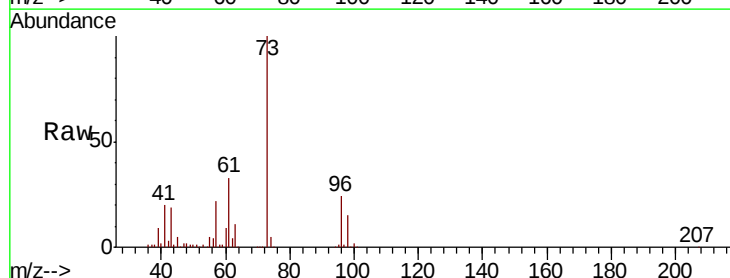
Tgt Ion: 73 Resp: 690485

Ion Ratio Lower Upper

73 100

43 19.8 15.6 23.4

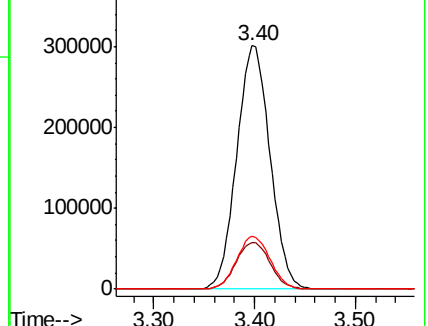
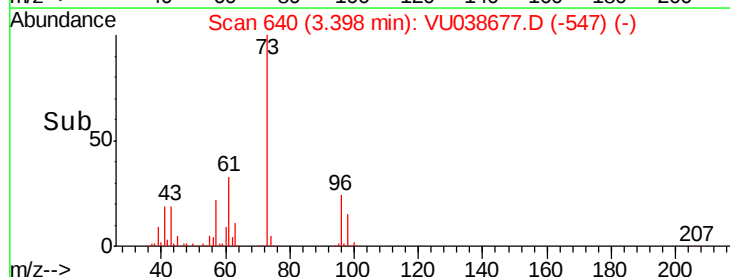
57 21.9 17.2 25.8

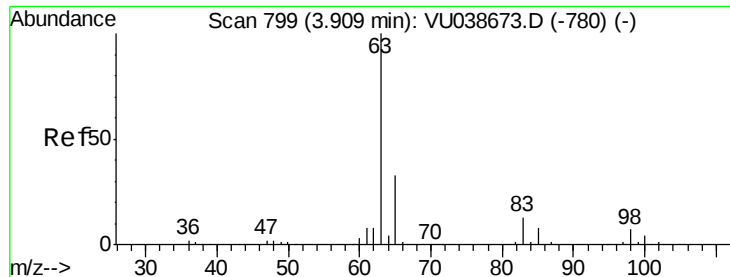


Abundance Ion 73.00 (72.70 to 73.70): VU038677.D (-547) (-)

Ion 43.00 (42.70 to 43.70): VU038677.D (-547) (-)

Ion 57.00 (56.70 to 57.70): VU038677.D (-547) (-)





#19

1,1-Dichloroethane

Concen: 47.626 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

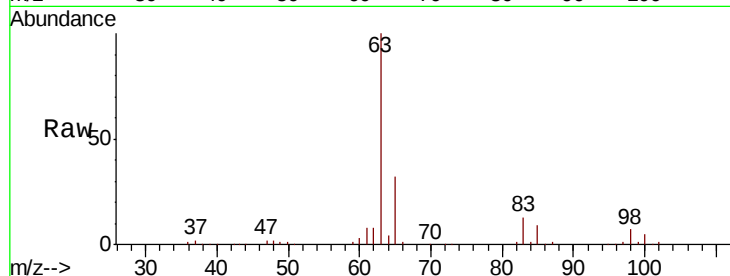
Tot Ion: 63 Resp: 385601

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.8

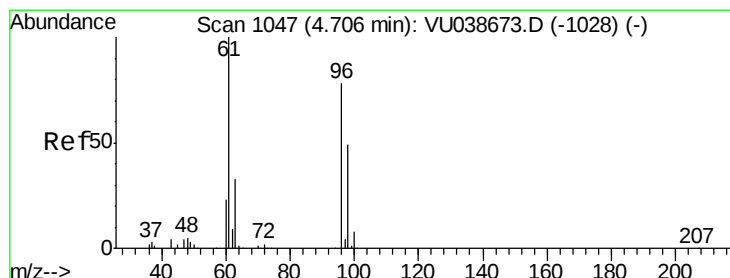
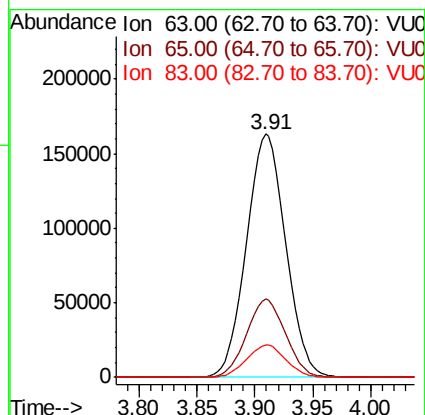
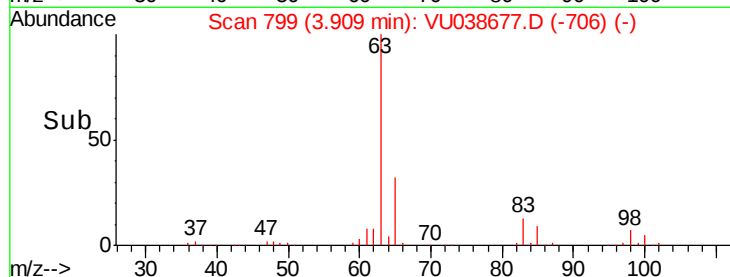
83 13.4 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU038677.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU038677.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU038677.D (-780) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.245 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

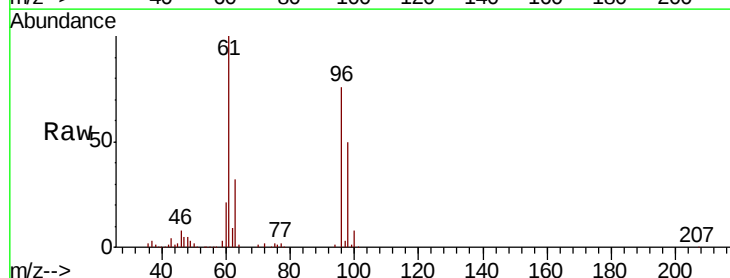
Tgt Ion: 96 Resp: 227879

Ion Ratio Lower Upper

96 100

61 131.4 89.5 166.1

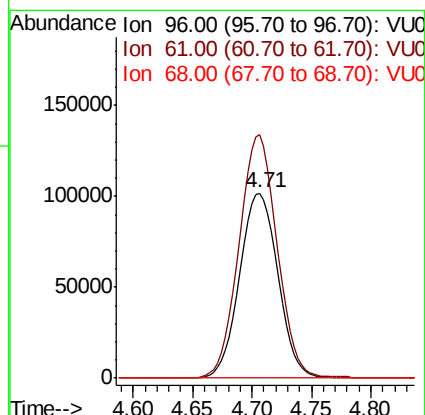
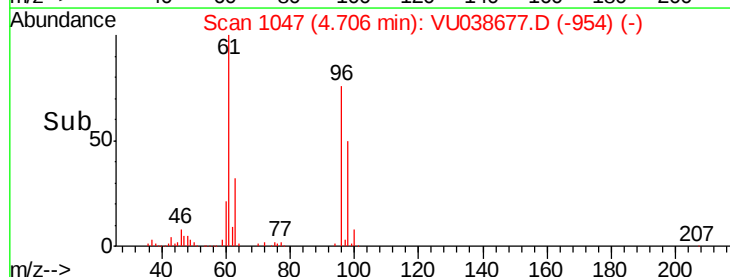
68 0.0 0.0 0.0

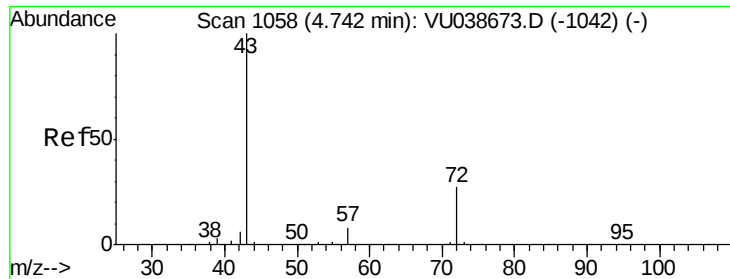


Abundance Ion 96.00 (95.70 to 96.70): VU038677.D (-1028) (-)

Ion 61.00 (60.70 to 61.70): VU038677.D (-1028) (-)

Ion 68.00 (67.70 to 68.70): VU038677.D (-1028) (-)





#22

2-Butanone

Concen: 105.023 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

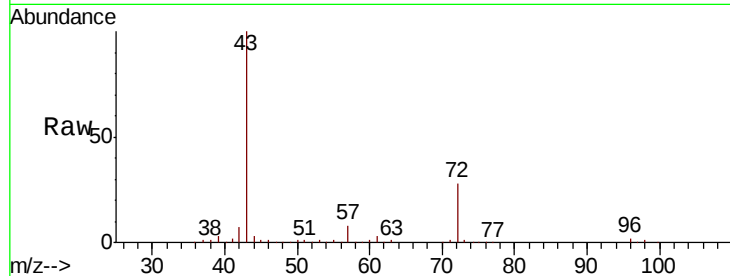
VSTD05043

Tot Ion: 43 Resp: 435185

Ion Ratio Lower Upper

43 100

72 28.2 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038677.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU038677.D (-1042) (-)

4.74

200000

150000

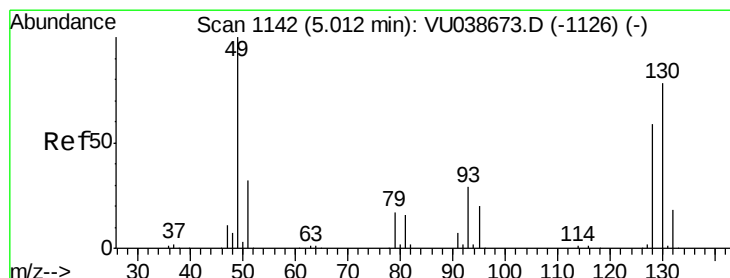
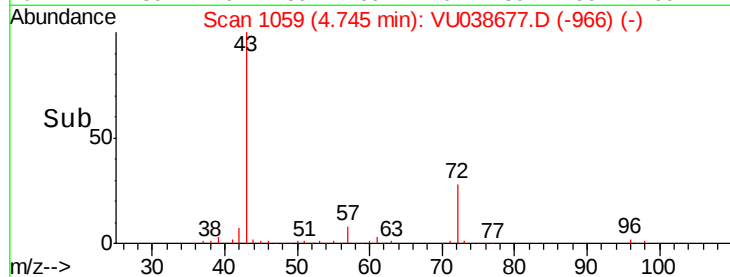
100000

50000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 49.913 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Tgt Ion:128 Resp: 116771

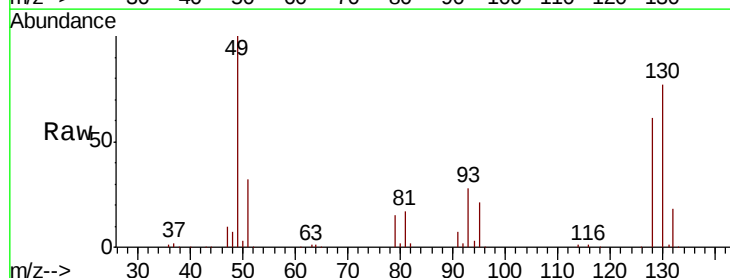
Ion Ratio Lower Upper

128 100

49 164.6 118.6 220.2

130 126.4 92.5 171.7

51 52.1 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038677.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU038677.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU038677.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU038677.D (-1126) (-)

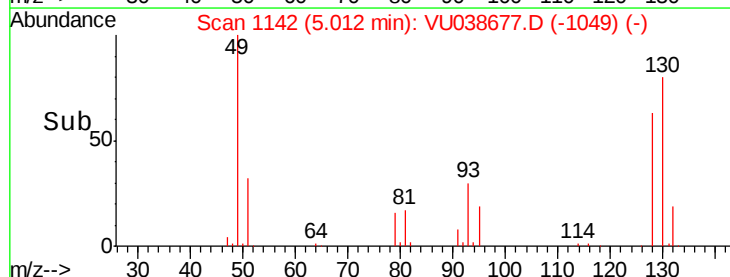
100000

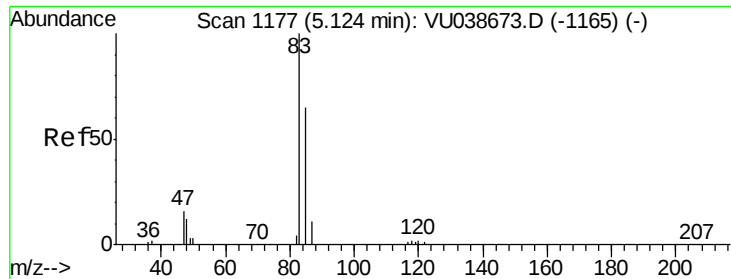
50000

0

4.95 5.00 5.05 5.10

Time-->





#25

Chloroform

Concen: 48.657 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

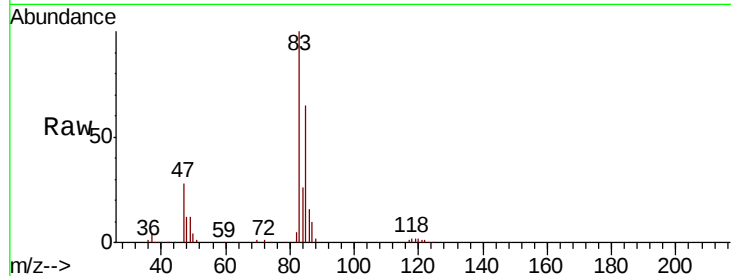
VSTD05043

Tot Ion: 83 Resp: 394267

Ion Ratio Lower Upper

83 100

85 65.1 47.0 87.4



Abundance Ion 83.00 (82.70 to 83.70): VU038677.D (-1165) (-)

Ion 85.00 (84.70 to 85.70): VU038677.D (-1165) (-)

5.12

200000

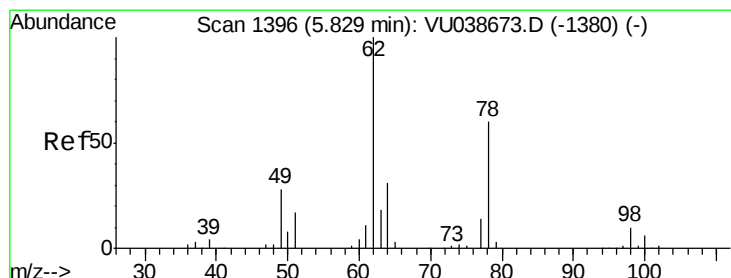
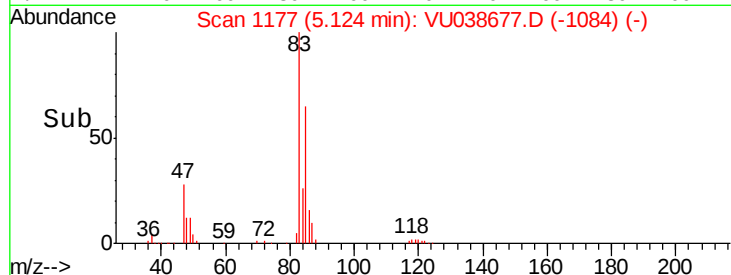
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 48.424 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU038677.D

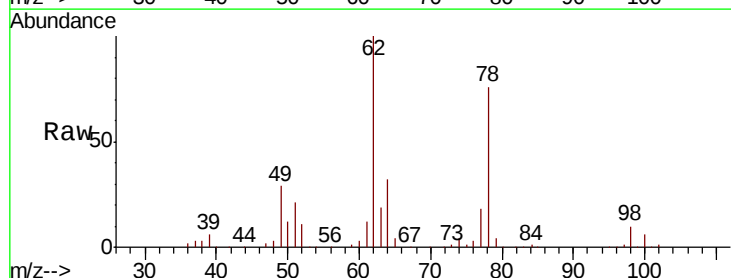
Acq: 08 Jun 2020 18:32

Tgt Ion: 62 Resp: 324598

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU038677.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU038677.D (-1380) (-)

5.83

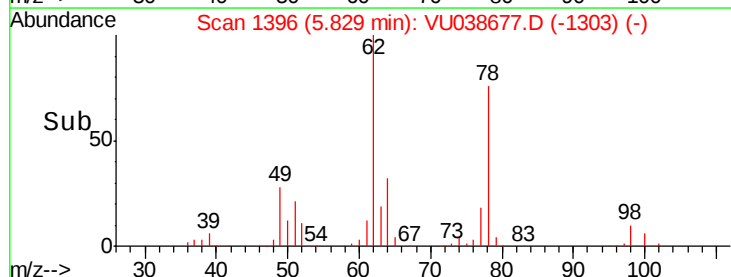
150000

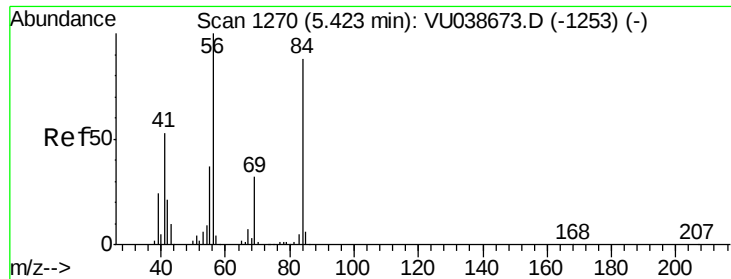
100000

50000

0

Time-->

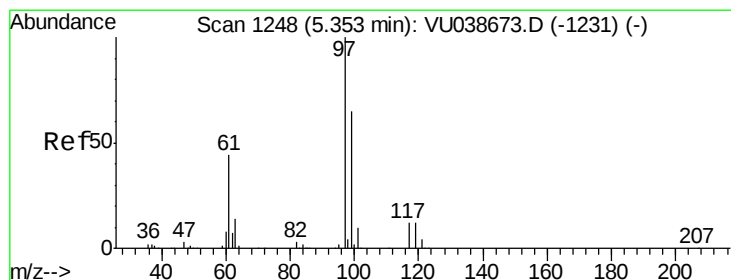
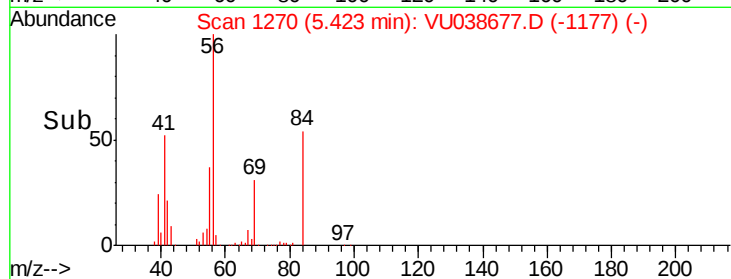
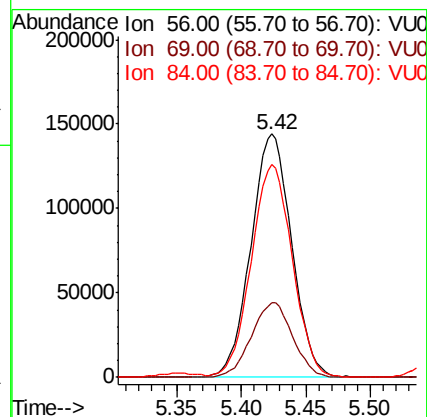
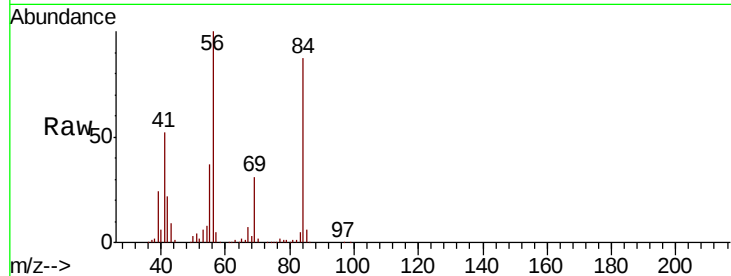




#29
Cyclohexane
Concen: 46.054 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

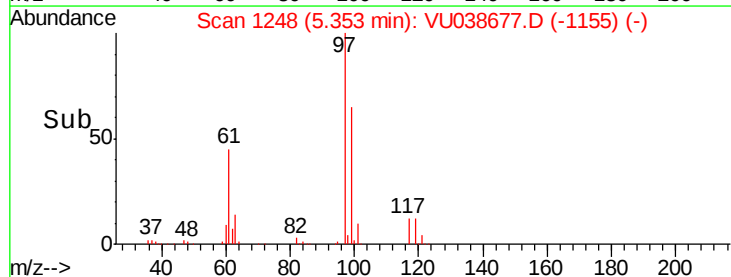
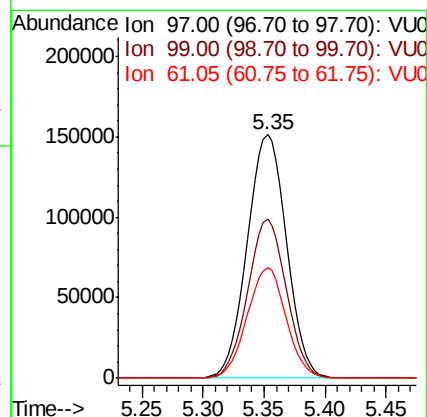
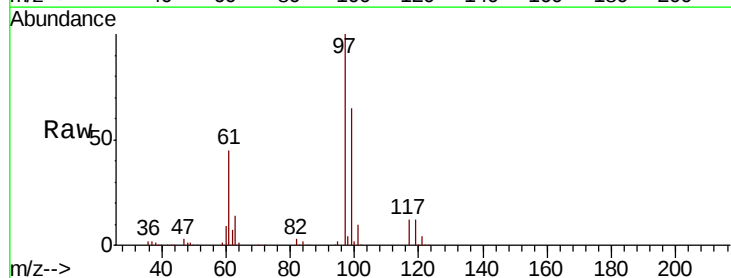
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

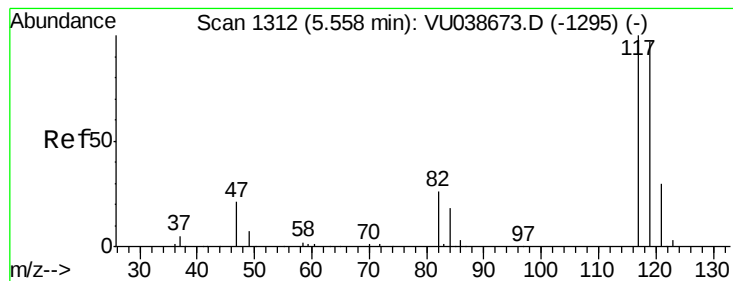
Tot Ion	56	Resp	317107
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.1	37.7
84	88.3	70.5	105.7



#30
1,1,1-Trichloroethane
Concen: 47.631 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

Tgt Ion	97	Resp	336827
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	44.9	35.2	52.8





#31

Carbon tetrachloride

Concen: 46.775 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

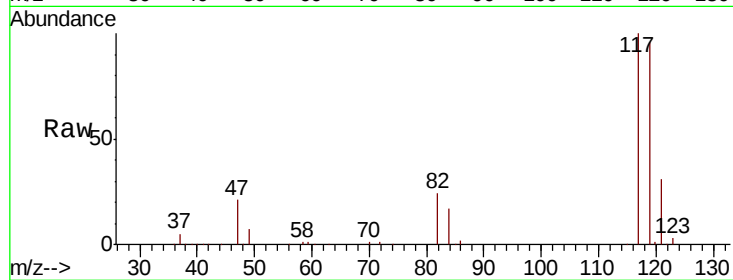
VSTD05043

Tot Ion:117 Resp: 273828

Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

150000

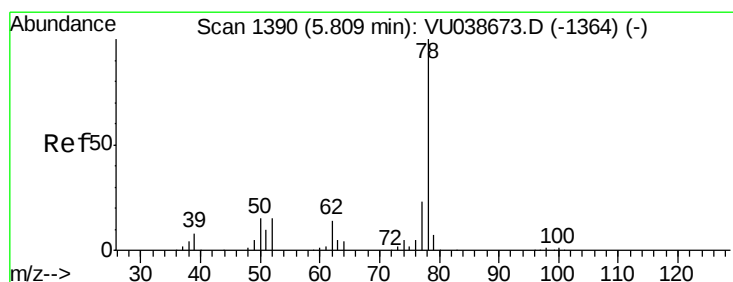
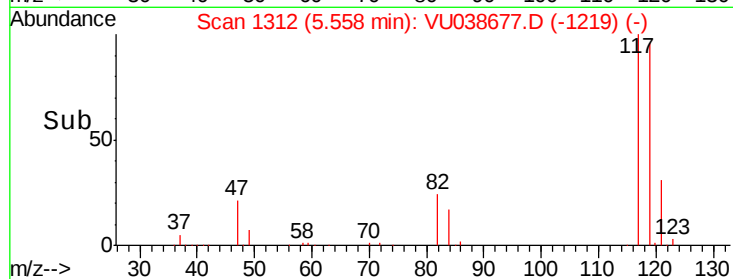
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 48.614 ug/L

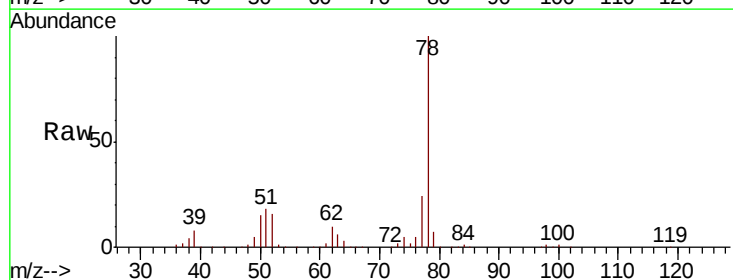
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Tgt Ion: 78 Resp: 868817



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

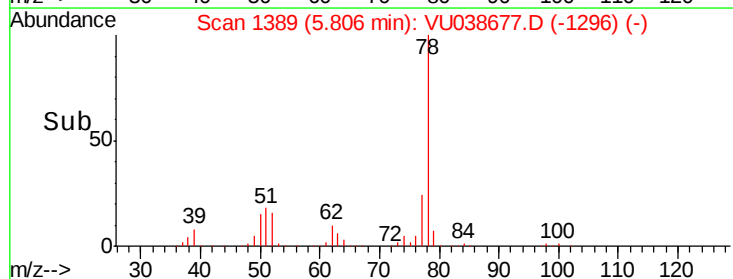
200000

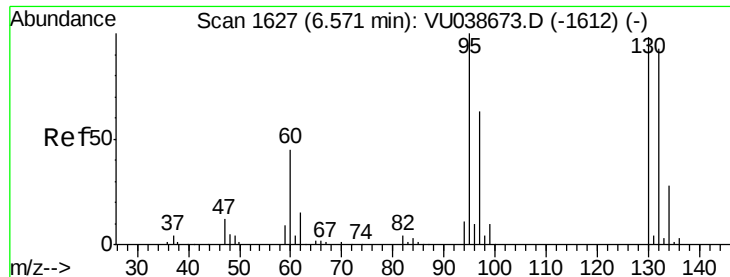
100000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 47.590 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tot Ion: 95 Resp: 216315

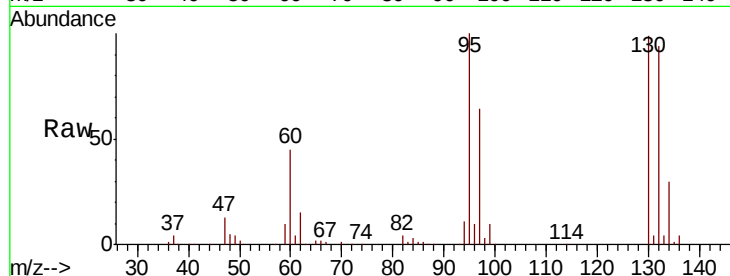
Ion Ratio Lower Upper

95 100

97 64.1 44.4 82.4

132 93.9 64.9 120.5

130 98.8 68.6 127.4

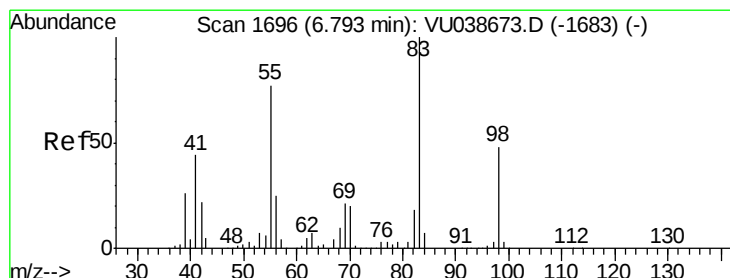
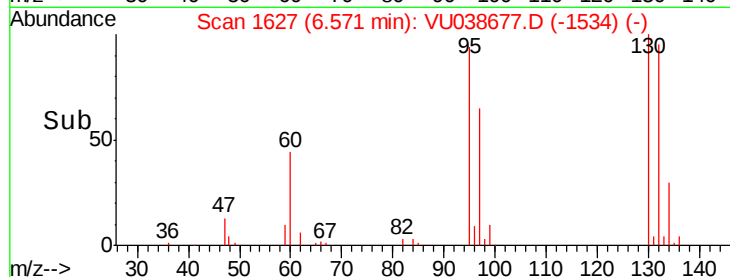
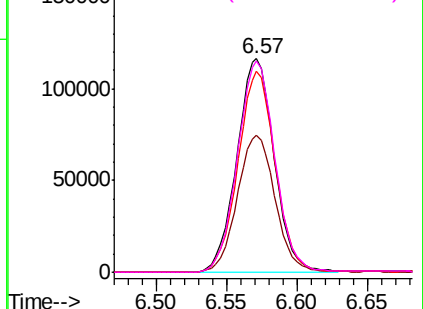


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.884 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

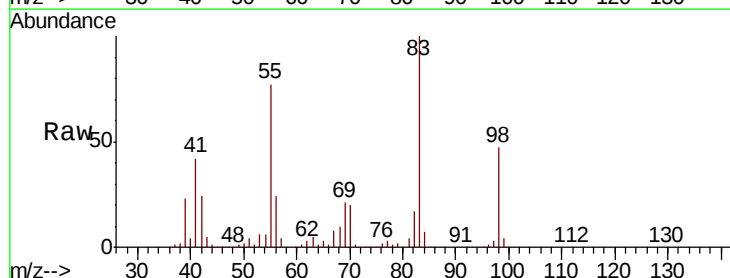
Tgt Ion: 83 Resp: 314536

Ion Ratio Lower Upper

83 100

55 78.7 63.2 94.8

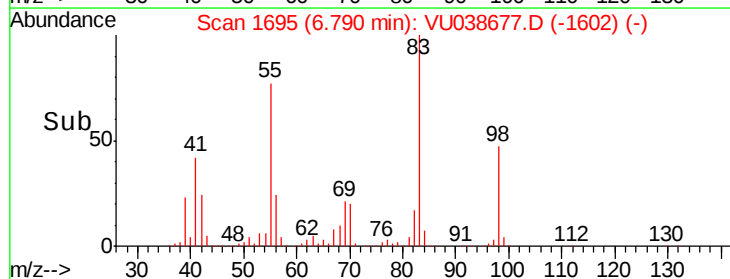
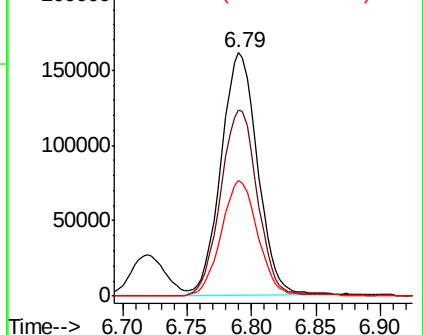
98 47.9 38.4 57.6

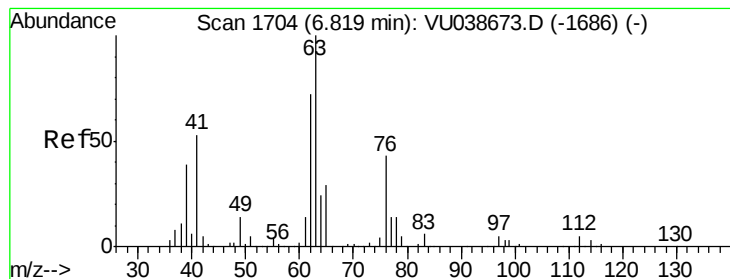


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.790 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

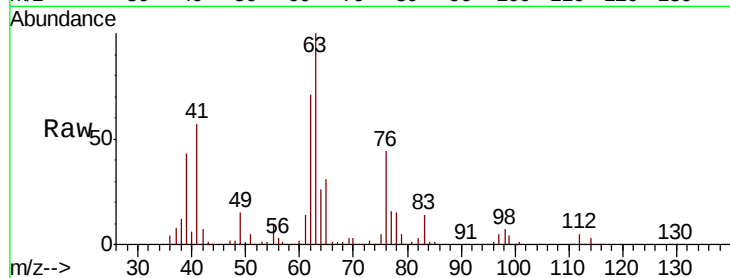
VSTD05043

Tot Ion: 63 Resp: 227224

Ion Ratio Lower Upper

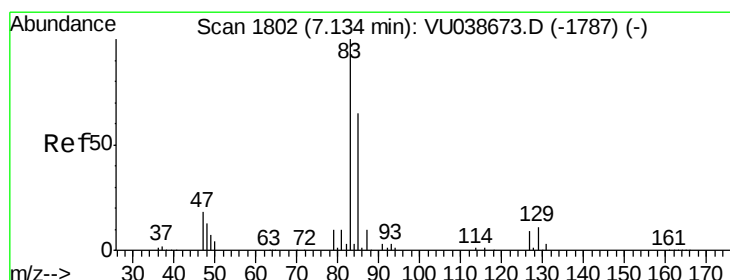
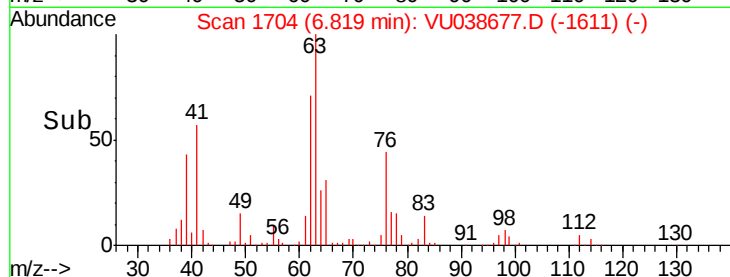
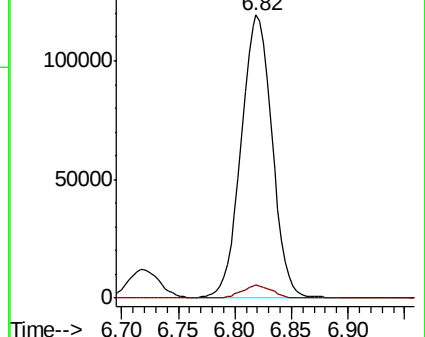
63 100

112 4.6 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU038677.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU038677.D (-1686) (-)



#38

Bromodichloromethane

Concen: 49.680 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

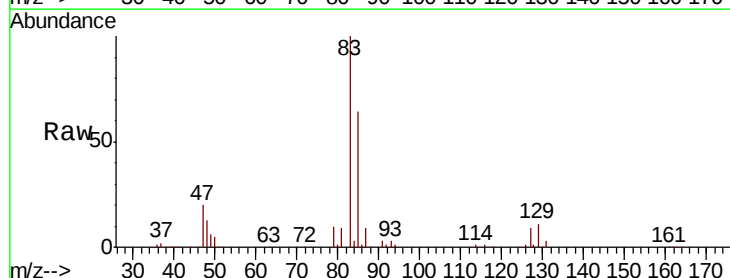
Tgt Ion: 83 Resp: 296604

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

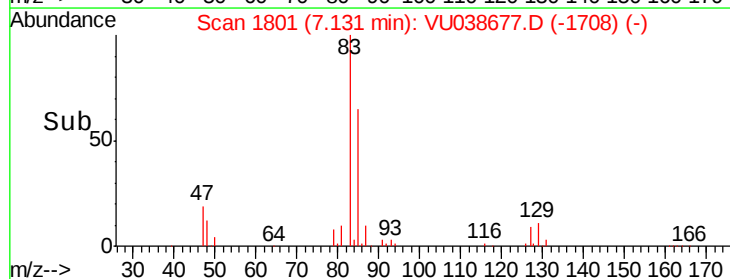
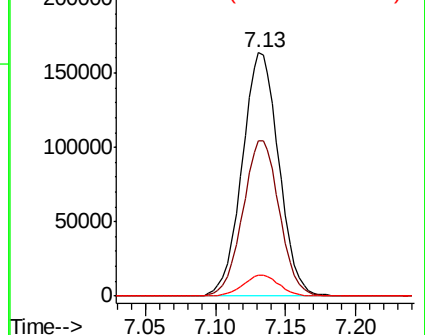
127 8.6 7.0 10.4

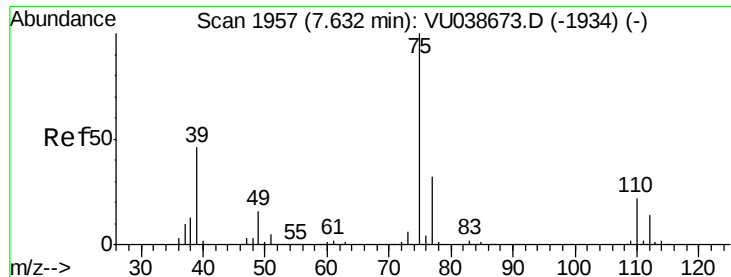


Abundance Ion 83.00 (82.70 to 83.70): VU038677.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU038677.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU038677.D (-1787) (-)

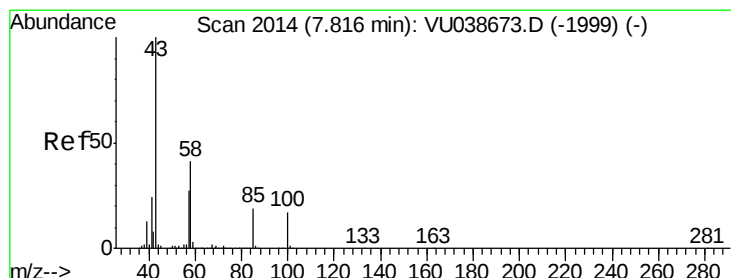
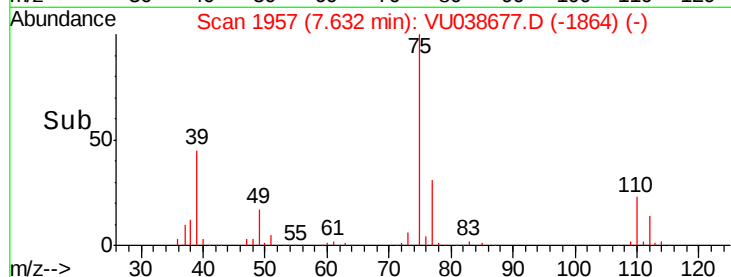
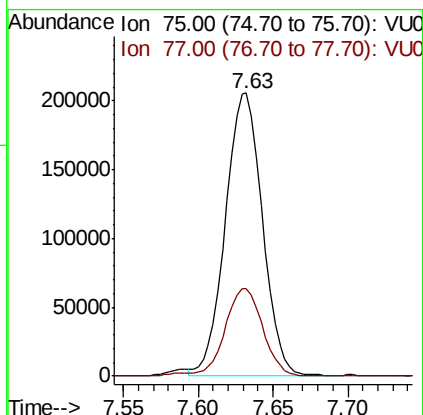
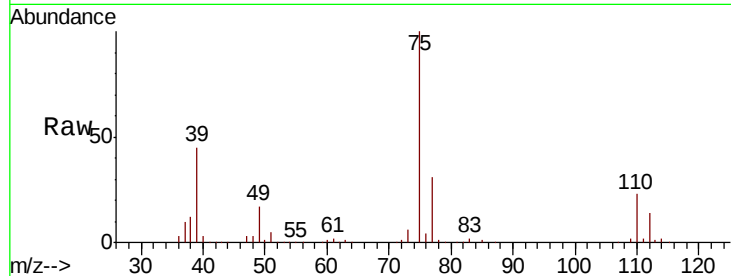




#39
 cis-1,3-Dichloropropene
 Concen: 49.335 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

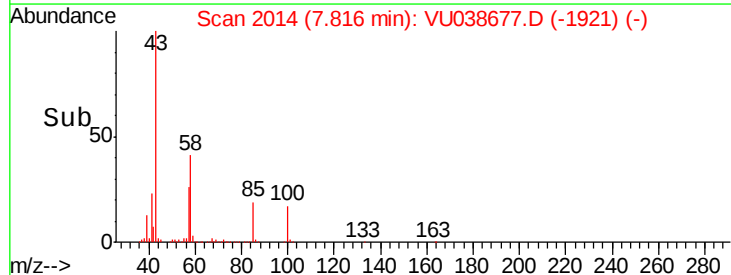
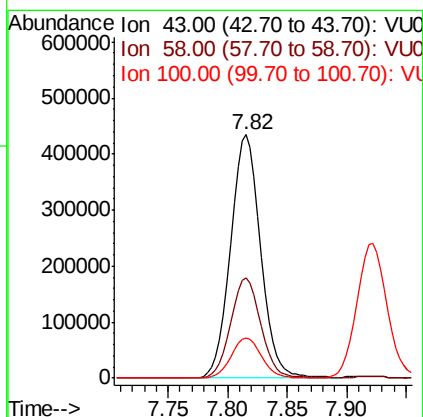
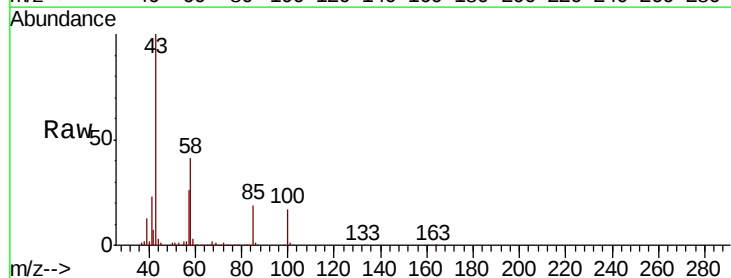
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

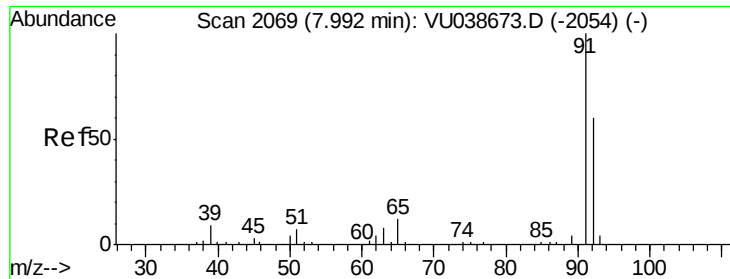
Tot Ion: 75 Resp: 354340
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 104.513 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion: 43 Resp: 760927
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.0 49.4
 100 16.9 13.4 20.0





#42

Toluene

Concen: 48.760 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

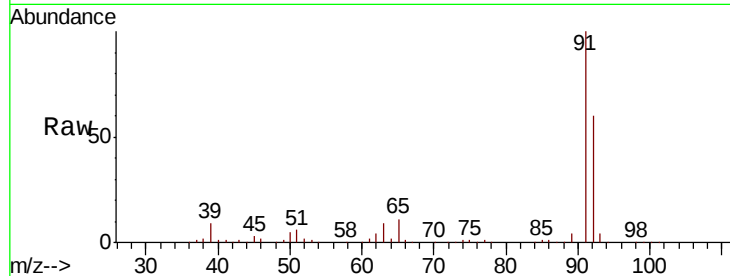
VSTD05043

Tot Ion: 91 Resp: 911172

Ion Ratio Lower Upper

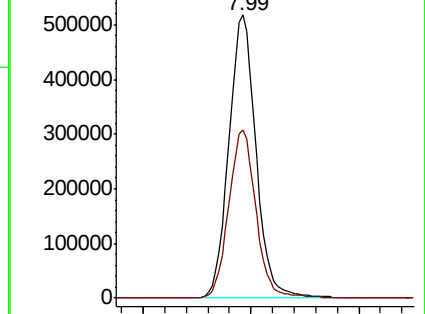
91 100

92 59.5 42.2 78.4

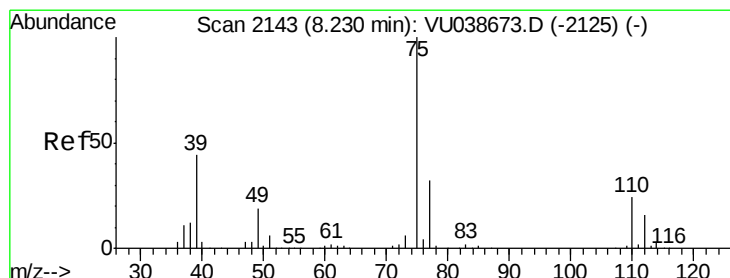
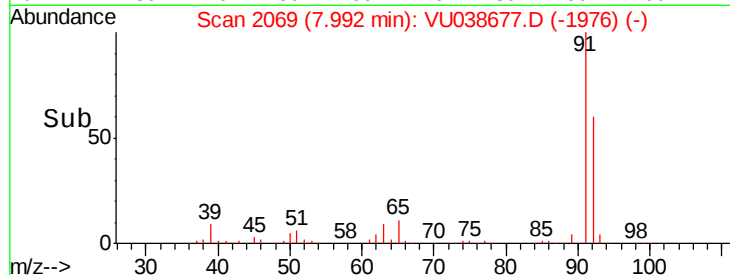


Abundance Ion 91.00 (90.70 to 91.70): VU038677.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038677.D (-1976) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.534 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU038677.D

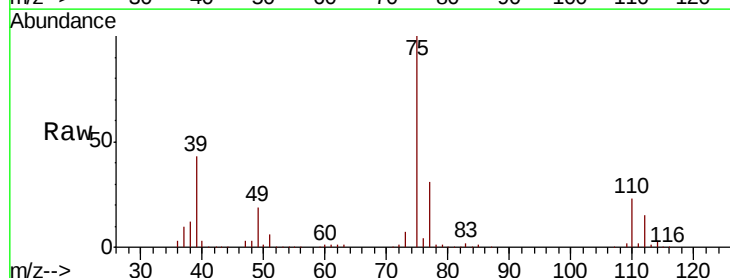
Acq: 08 Jun 2020 18:32

Tgt Ion: 75 Resp: 347652

Ion Ratio Lower Upper

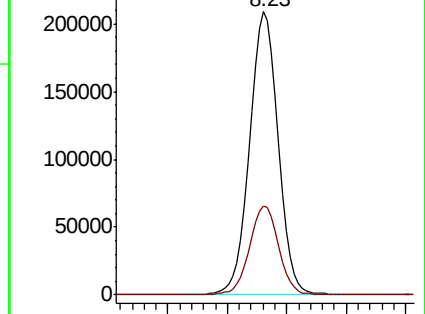
75 100

77 31.4 22.5 41.7

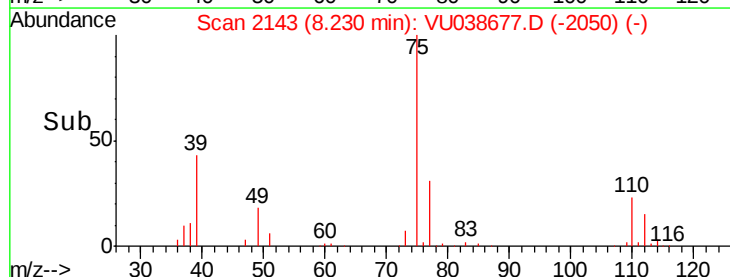


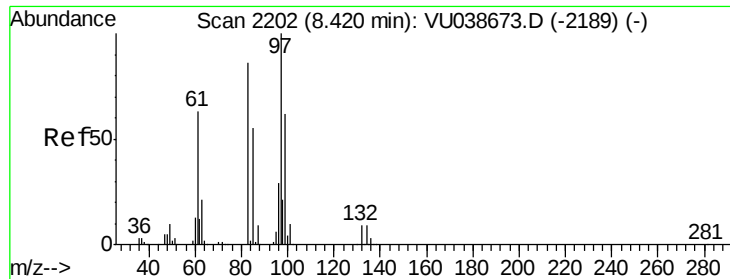
Abundance Ion 75.00 (74.70 to 75.70): VU038677.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU038677.D (-2050) (-)



Time-->

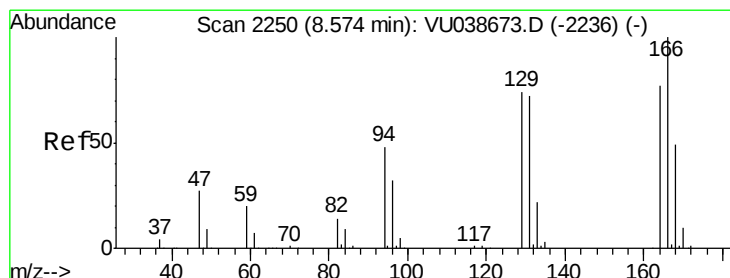
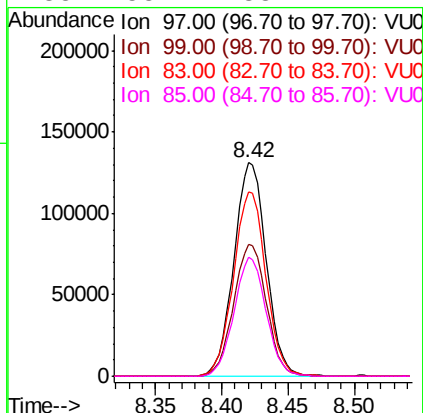
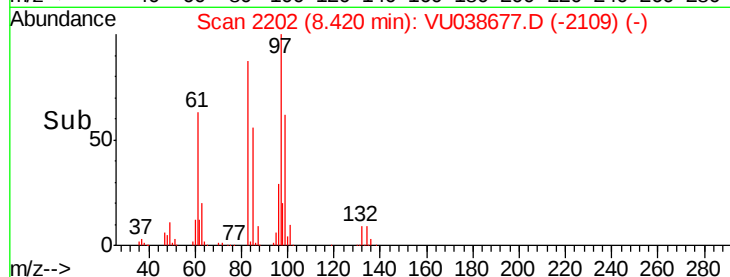
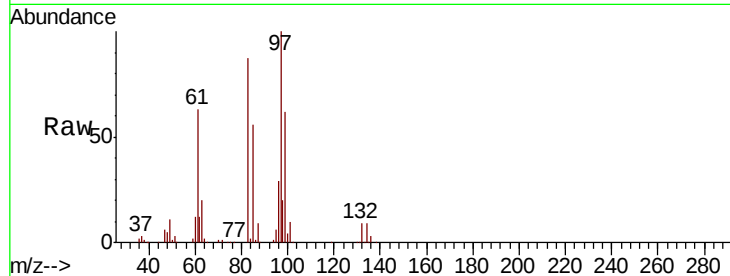




#45
 1,1,2-Trichloroethane
 Concen: 49.478 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

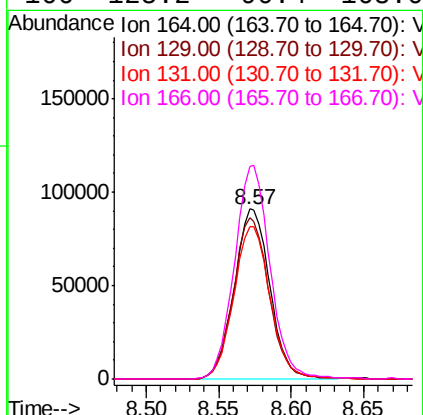
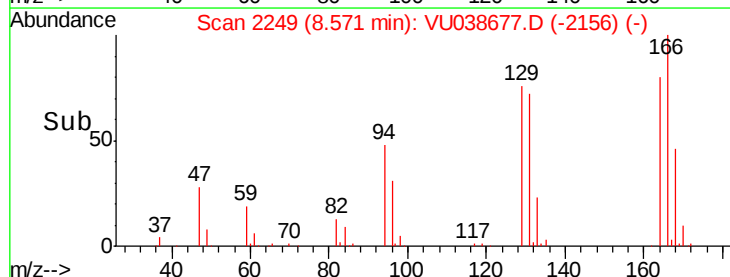
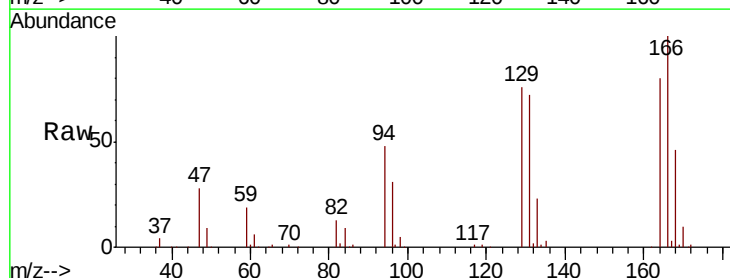
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

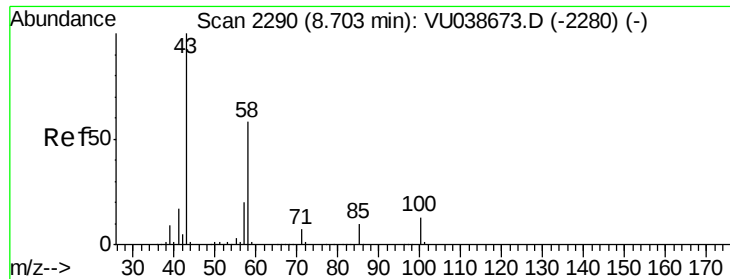
Tot Ion:	97	Resp:	221786
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.6	81.0
83	86.5	60.0	111.4
85	55.7	38.4	71.2



#46
 Tetrachloroethene
 Concen: 47.408 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion:	164	Resp:	155462
Ion	Ratio	Lower	Upper
164	100		
129	95.1	67.2	124.8
131	89.6	65.5	121.6
166	125.2	90.4	168.0

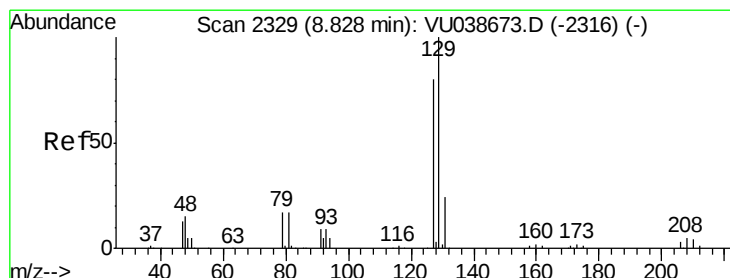
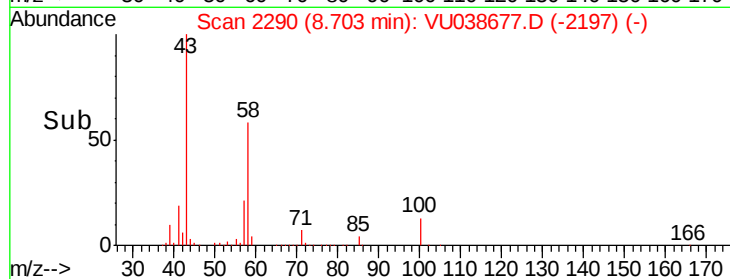
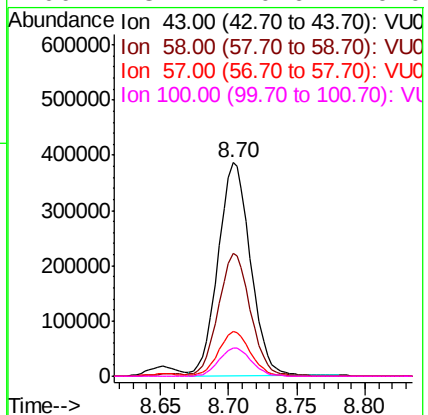
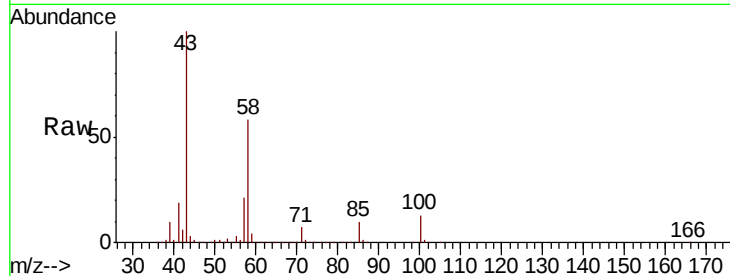




#48
2-Hexanone
Concen: 105.872 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

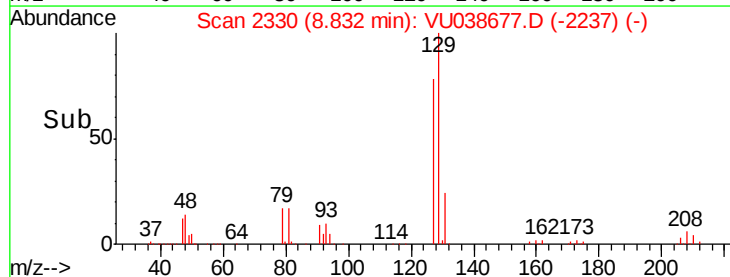
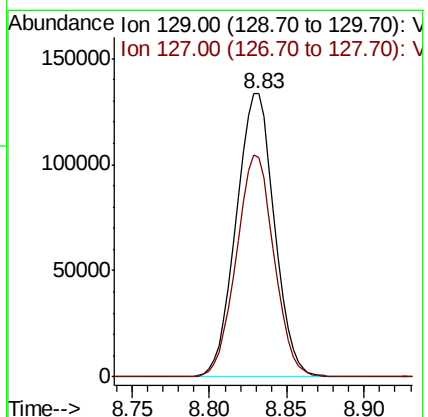
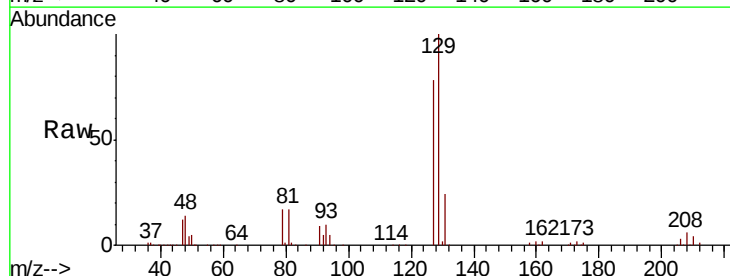
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

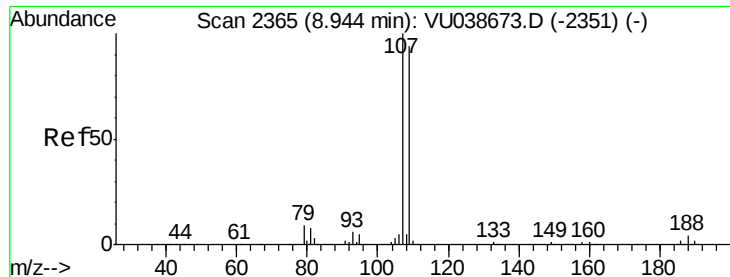
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	46.2	69.4
57	20.5	16.6	24.8
100	13.4	10.6	16.0



#49
Dibromochloromethane
Concen: 49.842 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	55.8	103.6

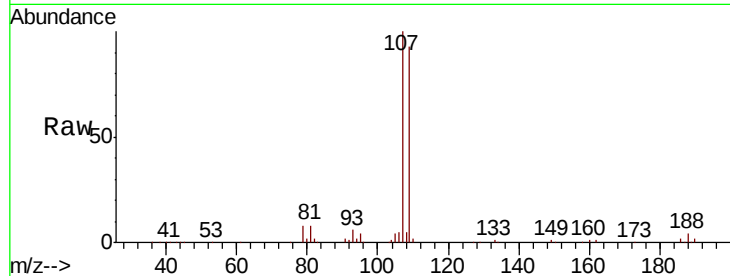




#50
 1,2-Dibromoethane
 Concen: 50.312 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.9	122.5
188	3.9	2.9	4.3

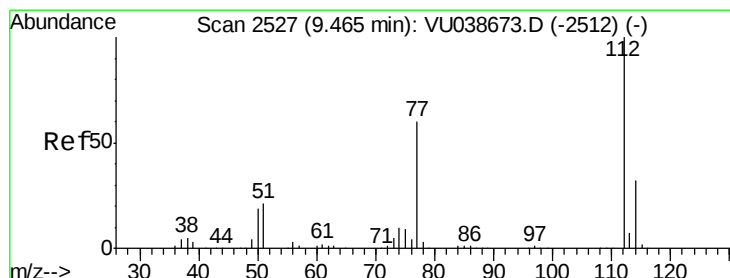
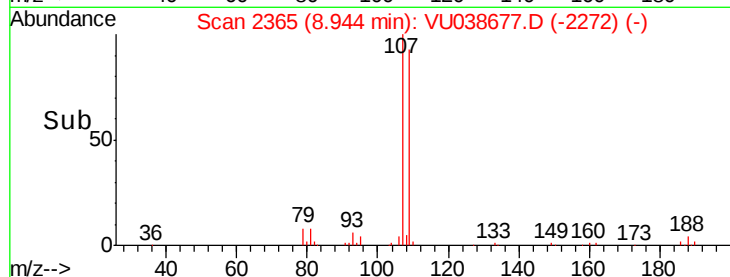
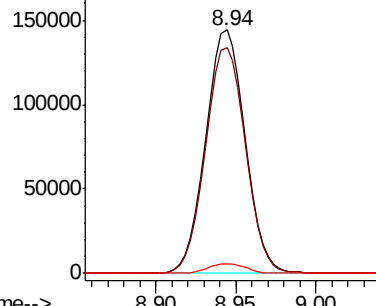


Abundance

Ion 107.00 (106.70 to 107.70): V

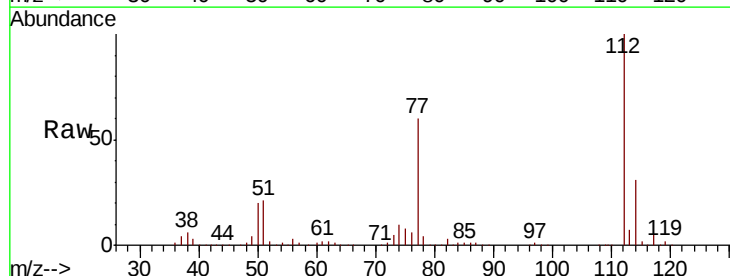
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 47.868 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.2	41.2
77	60.1	47.9	71.9

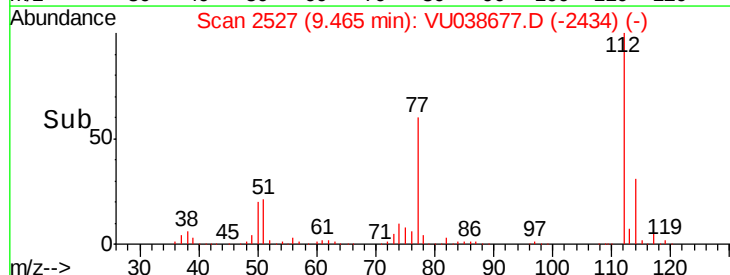
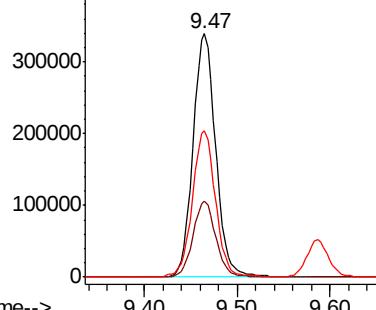


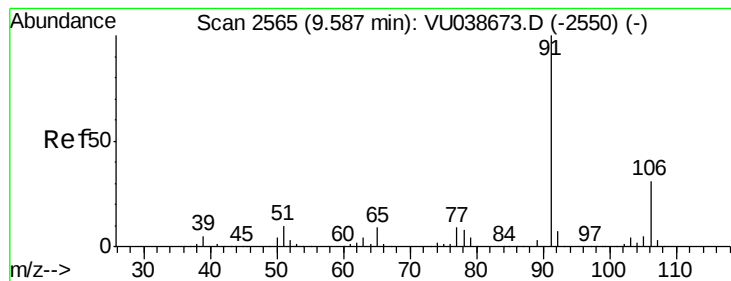
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 47.733 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

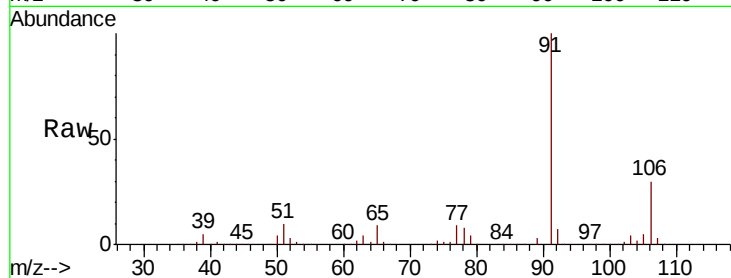
VSTD05043

Tot Ion: 91 Resp: 984439

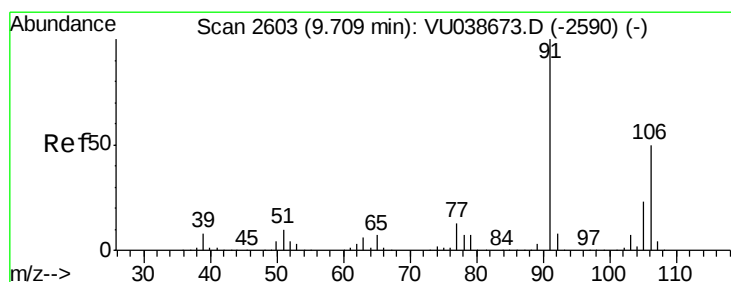
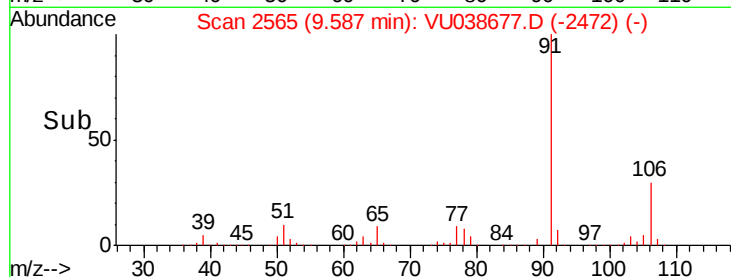
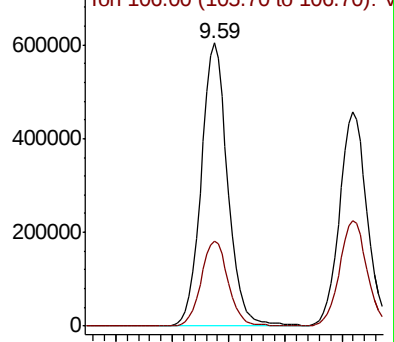
Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038677.D (-2550) (-)



#53

m,p-Xylene

Concen: 48.449 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038677.D

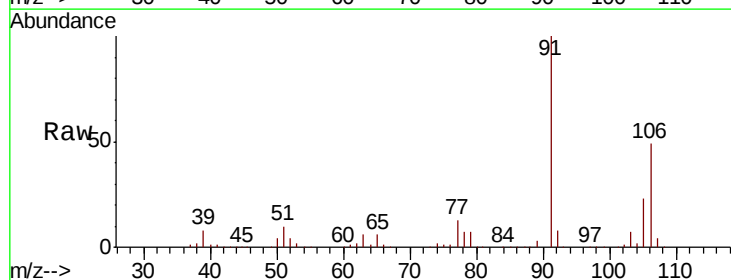
Acq: 08 Jun 2020 18:32

Tgt Ion: 106 Resp: 383558

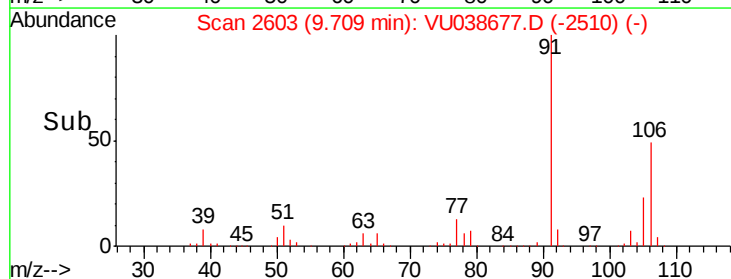
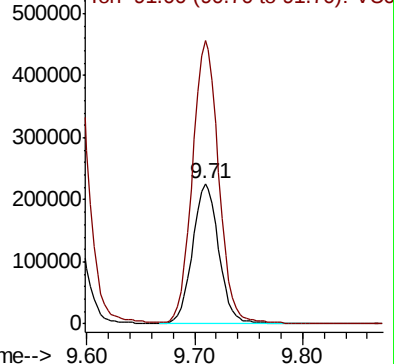
Ion Ratio Lower Upper

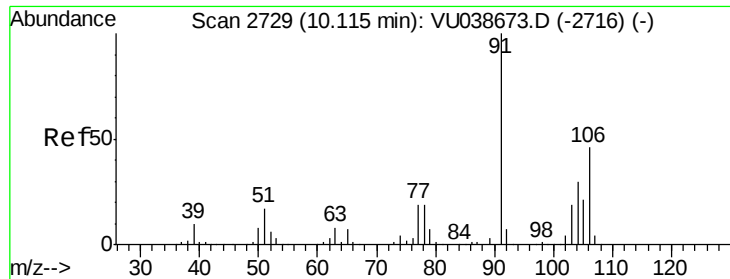
106 100

91 202.2 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038677.D (-2590) (-)

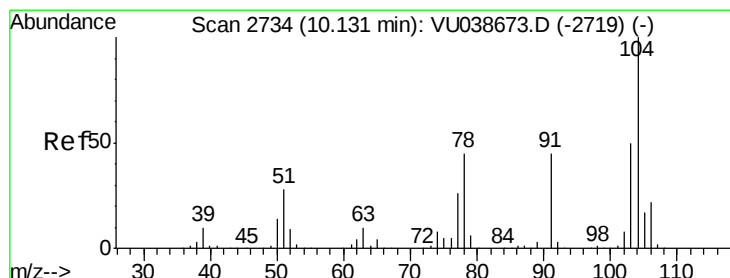
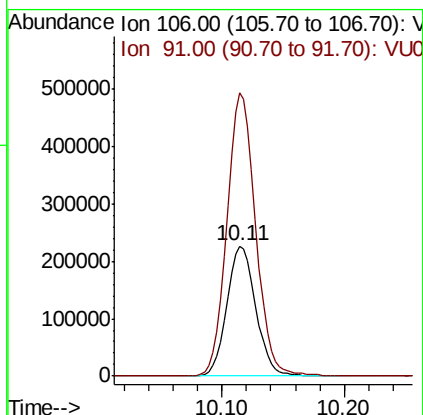
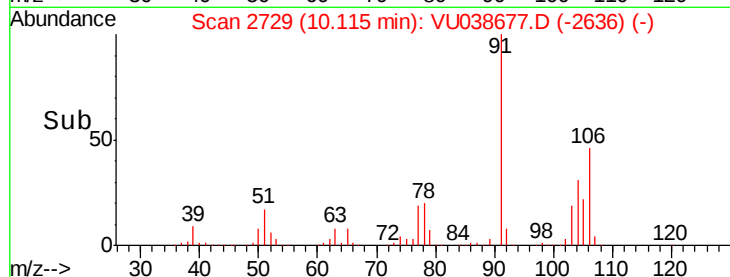
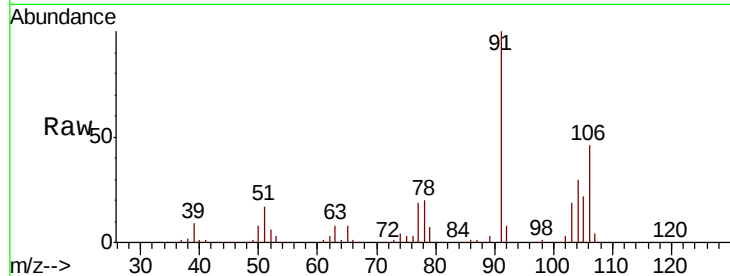




#54
o-xylene
Concen: 48.900 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

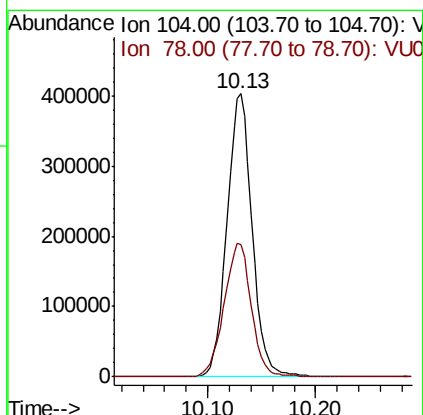
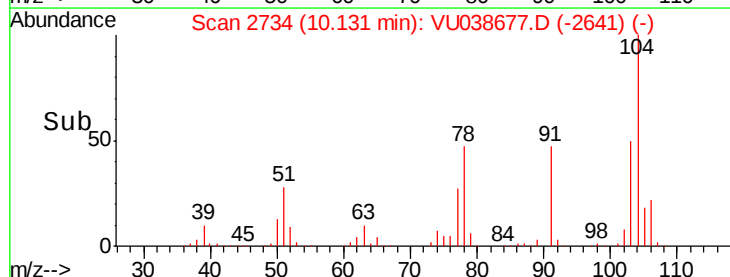
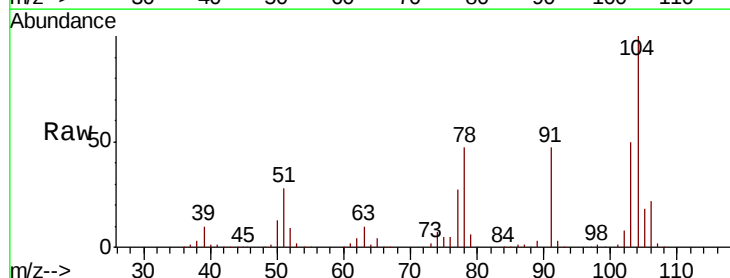
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

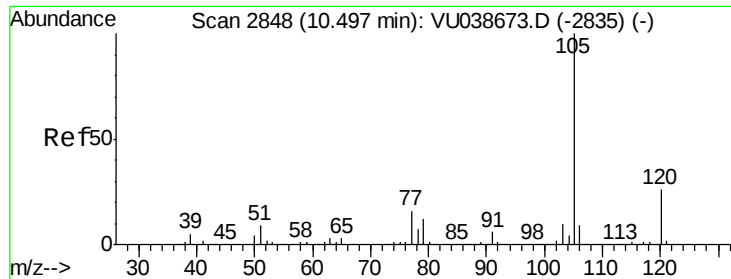
Tot Ion:106 Resp: 375817
Ion Ratio Lower Upper
106 100
91 217.4 151.2 280.8



#55
Styrene
Concen: 49.102 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038677.D
Acq: 08 Jun 2020 18:32

Tgt Ion:104 Resp: 654193
Ion Ratio Lower Upper
104 100
78 46.8 31.6 58.6





#56

Isopropylbenzene

Concen: 47.606 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

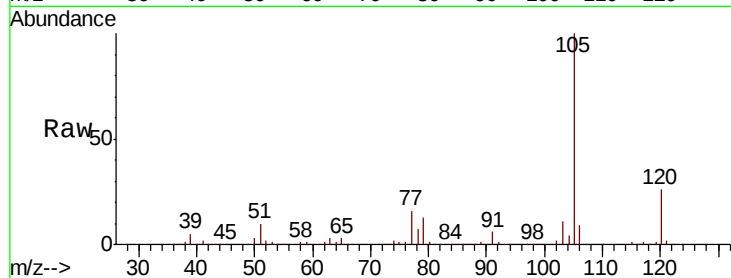
Tot Ion:105 Resp: 954900

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

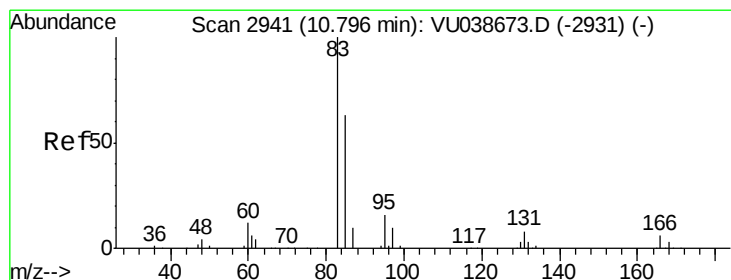
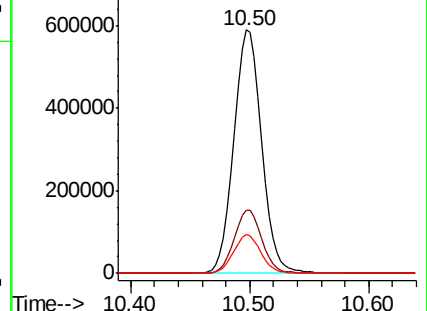
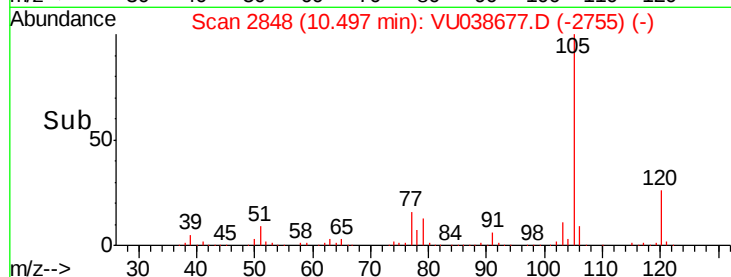
77 15.8 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.712 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

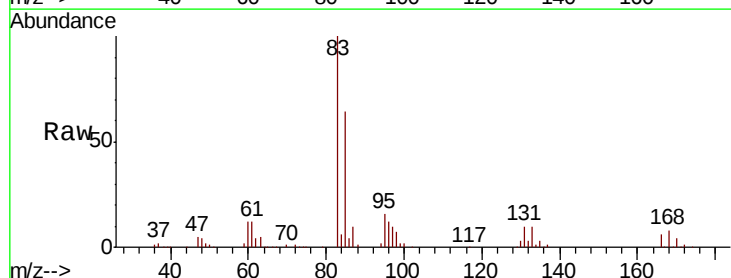
Tgt Ion: 83 Resp: 379241

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

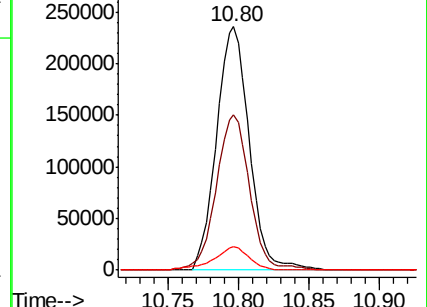
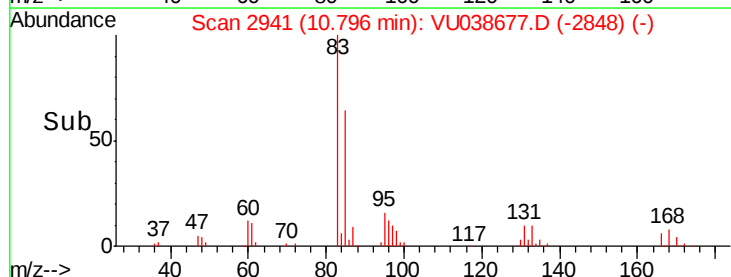
131 9.6 7.2 10.8

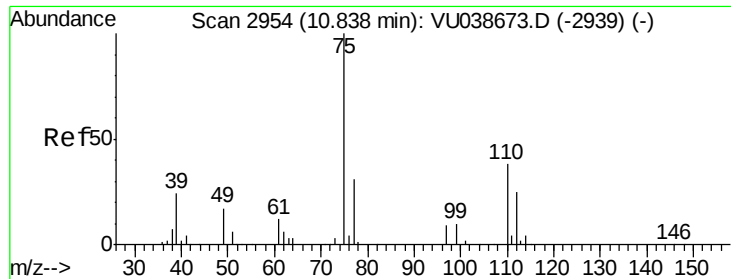


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.017 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

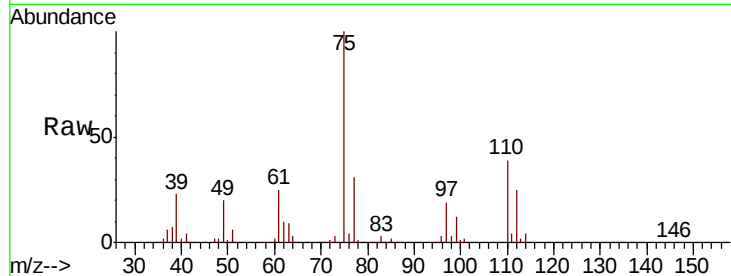
VSTD05043

Tot Ion: 75 Resp: 326610

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038677.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU038677.D (-2332) (-)

10.84

200000

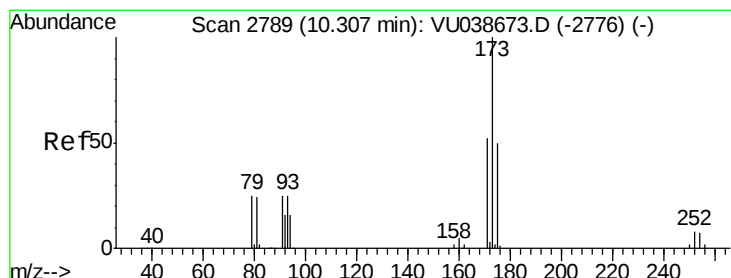
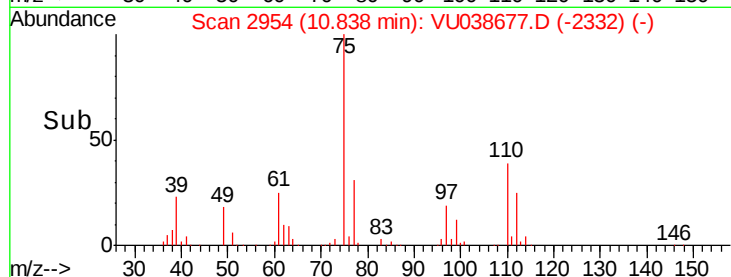
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 51.619 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

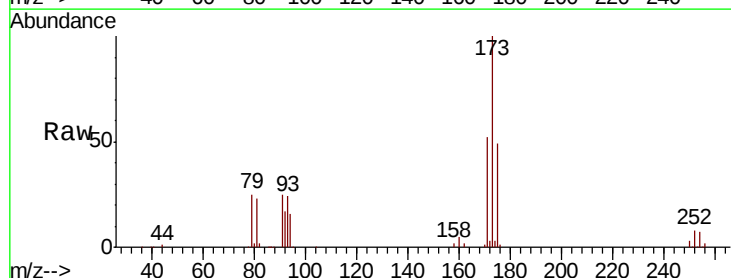
Tgt Ion: 173 Resp: 168504

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.4

254 6.9 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VU038677.D (-2696) (-)

Ion 175.00 (174.70 to 175.70): VU038677.D (-2696) (-)

Ion 254.00 (253.70 to 254.70): VU038677.D (-2696) (-)

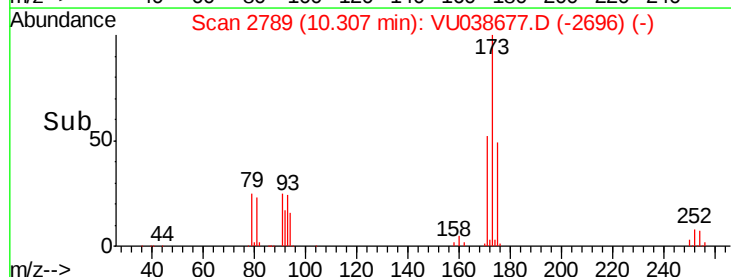
10.31

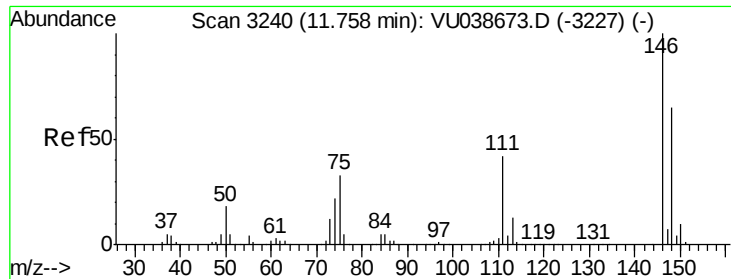
100000

50000

0

Time-->

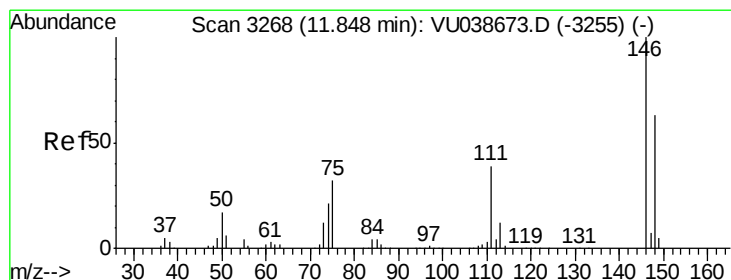
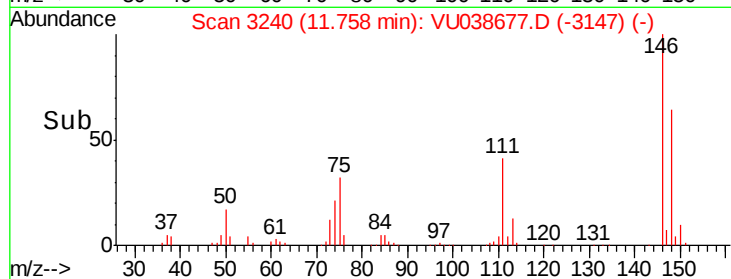
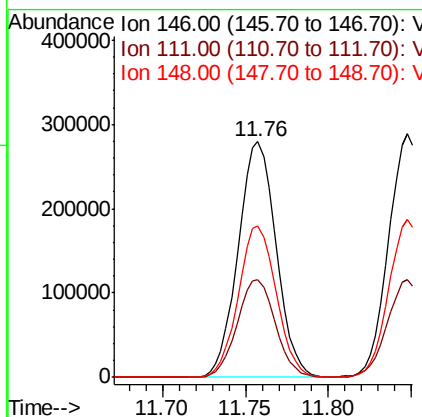
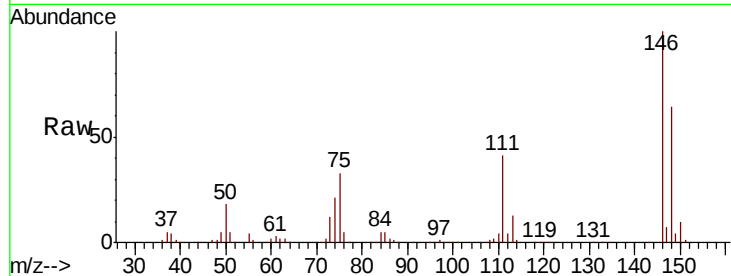




#62
 1,3-Dichlorobenzene
 Concen: 48.590 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

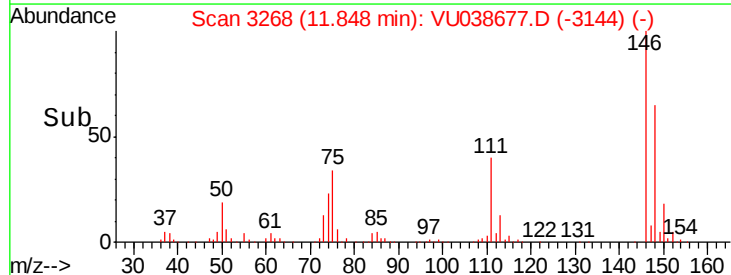
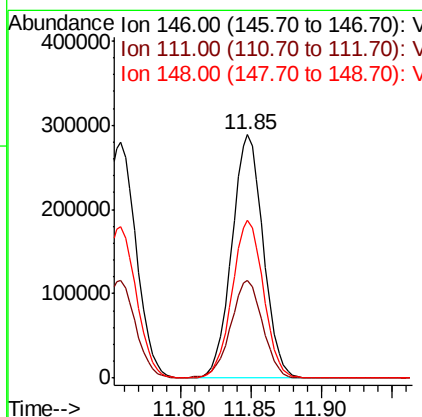
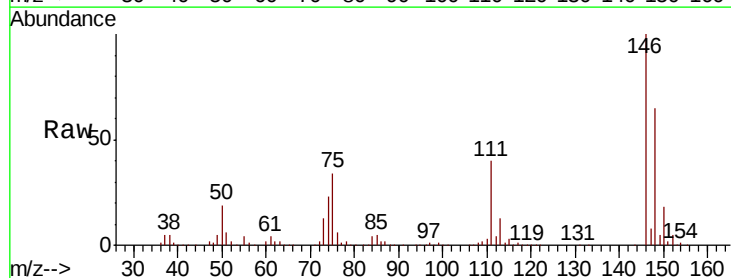
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

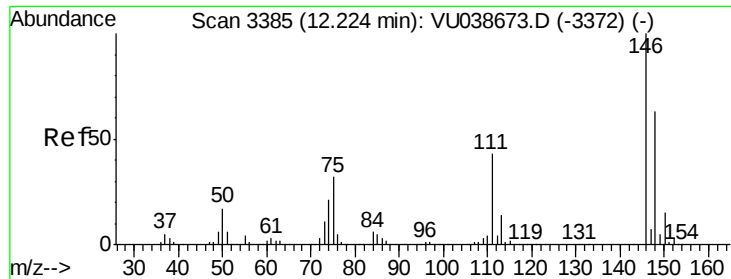
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.2	54.2
148	64.3	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 48.314 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.6	51.4
148	65.0	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 49.755 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

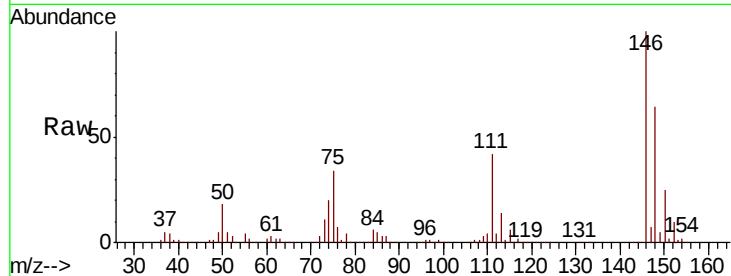
Tot Ion:146 Resp: 454885

Ion Ratio Lower Upper

146 100

111 42.1 34.8 52.2

148 63.9 50.8 76.2

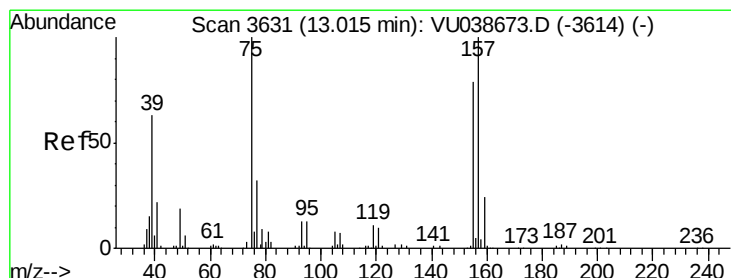
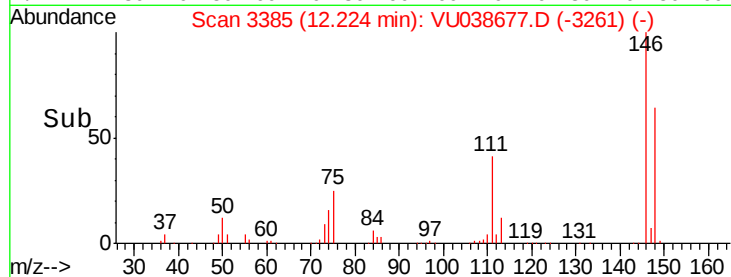
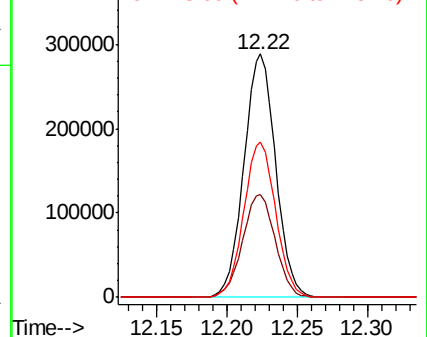


Abundance

Ion 146.00 (145.70 to 146.70): 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: 54.364 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

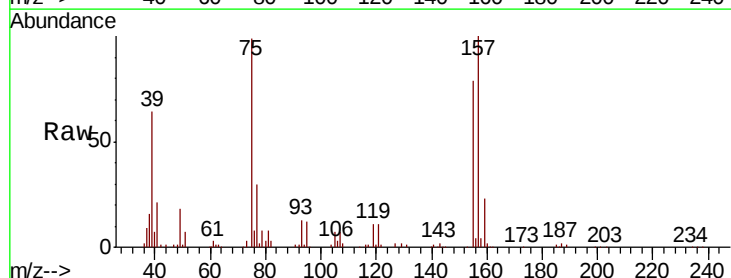
Tgt Ion: 75 Resp: 103002

Ion Ratio Lower Upper

75 100

155 80.5 63.8 95.6

157 101.3 80.2 120.2

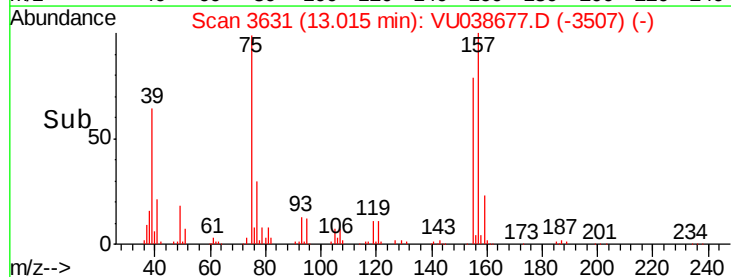
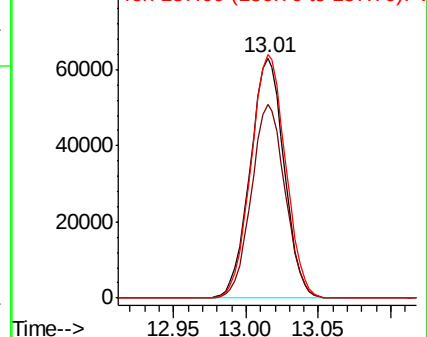


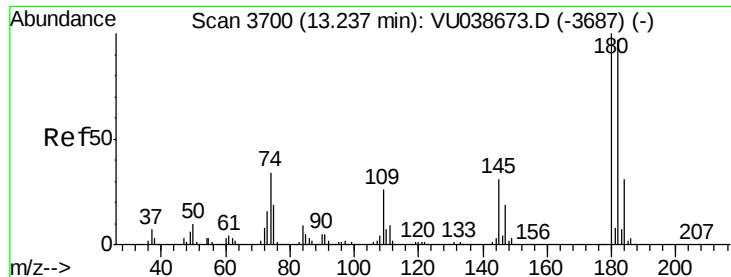
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

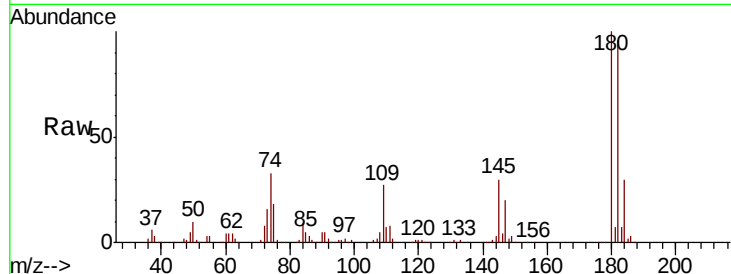




#67
 1,3,5-Trichlorobenzene
 Concen: 49.047 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
184	30.2	24.7	37.1
145	31.1	24.7	37.1



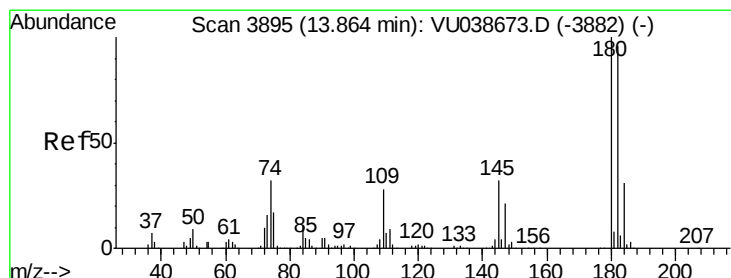
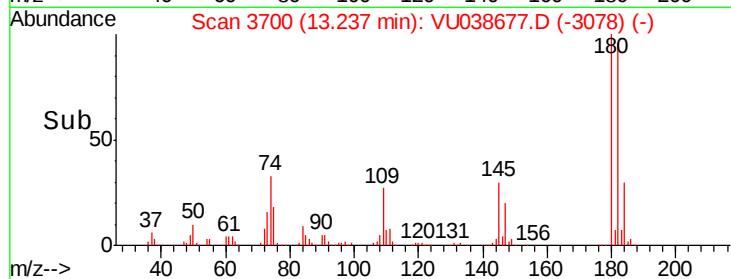
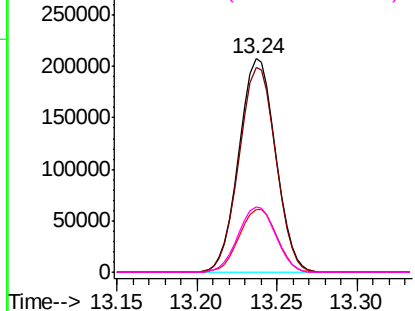
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

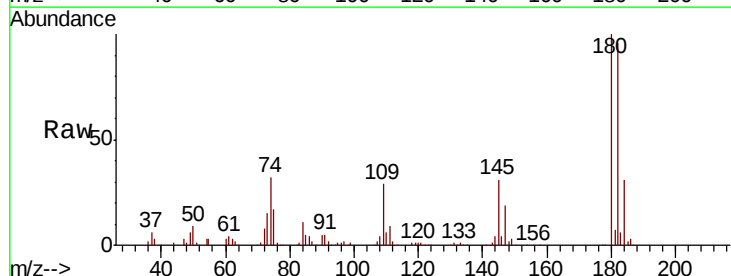
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.924 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU038677.D
 Acq: 08 Jun 2020 18:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	31.3	25.4	38.2

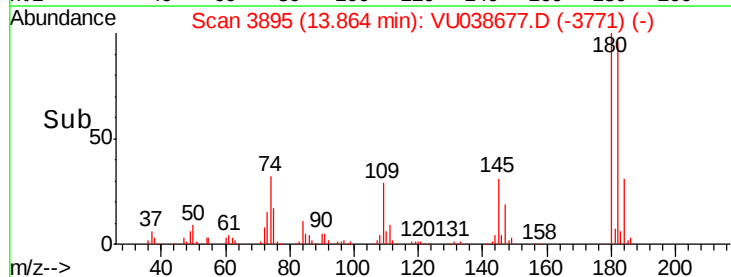
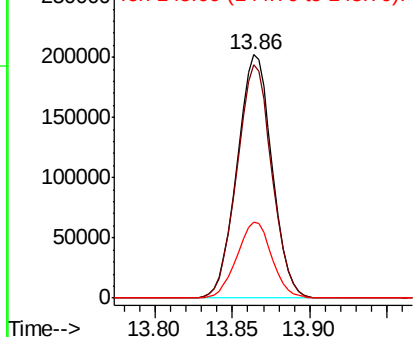


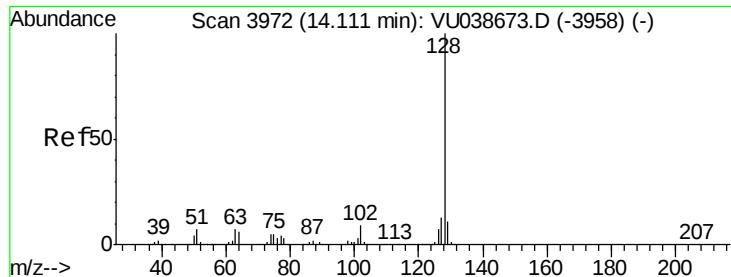
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.902 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

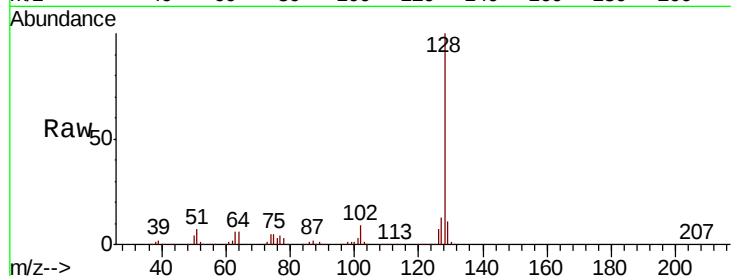
Tot Ion:128 Resp: 1251388

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

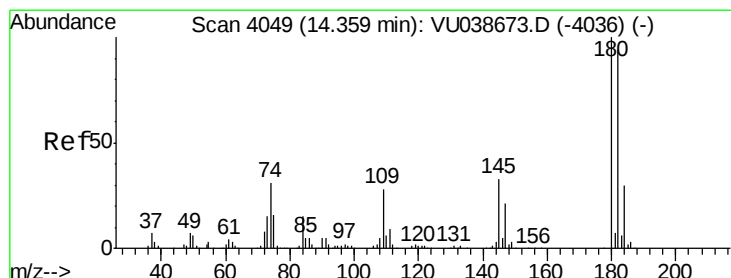
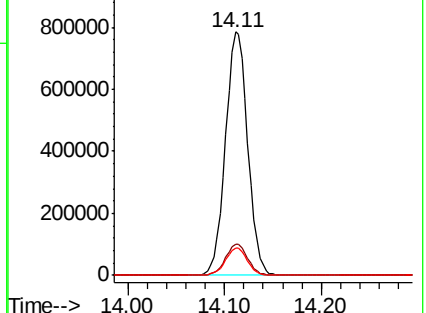
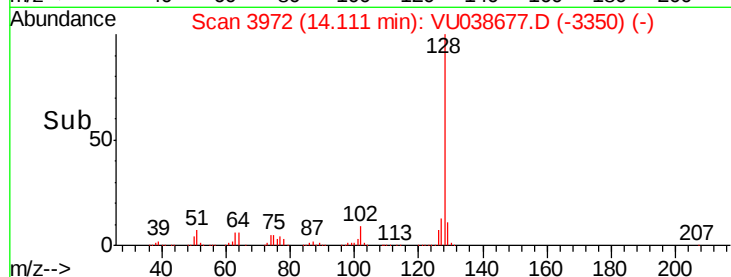
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.419 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038677.D

Acq: 08 Jun 2020 18:32

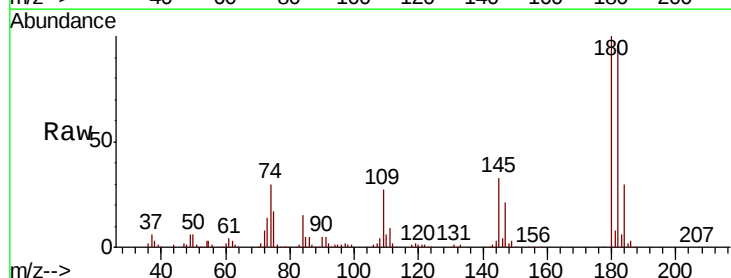
Tgt Ion:180 Resp: 327153

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 33.0 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

