

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\
 Data File : VU038776.D
 Acq On : 10 Jun 2020 13:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jun 11 00:53:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 00:28:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	516877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	492155	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	239908	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	124358	43.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.12%
7) Chloroethane-d5	1.93	69	105799	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.46%
11) 1,1-Dichloroethene-d2	2.59	63	277082	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.04%
21) 2-Butanone-d5	4.66	46	296939	105.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.69%
24) Chloroform-d	5.10	84	311243	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
26) 1,2-Dichloroethane-d4	5.74	65	207942	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.76	84	577498	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
36) 1,2-Dichloropropane-d6	6.72	67	186430	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.06%
41) Toluene-d8	7.92	98	497069	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.20	79	89292	48.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.08%
47) 2-Hexanone-d5	8.65	63	211072	108.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.53%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	283300	51.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.96%
64) 1,2-Dichlorobenzene-d4	12.20	152	205311	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	160145	39.126	ug/L 99
3) Chloromethane	1.53	50	170495	43.180	ug/L 99
5) Vinyl chloride	1.62	62	187245	45.280	ug/L 100
6) Bromomethane	1.87	94	92179	42.800	ug/L 98
8) Chloroethane	1.95	64	119996	49.603	ug/L 99
9) Trichlorofluoromethane	2.16	101	239283	42.017	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	121877	36.716	ug/L 99
12) 1,1-Dichloroethene	2.61	96	144867	44.280	ug/L 99
13) Acetone	2.66	43	228945	101.127	ug/L 99
14) Carbon disulfide	2.82	76	451102	42.580	ug/L 99
15) Methyl Acetate	2.98	43	243326	51.432	ug/L 99
16) Methylene chloride	3.08	84	193342	49.774	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	163093	45.555	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	598289	51.686	ug/L 99
19) 1,1-Dichloroethane	3.91	63	325933	48.046	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	191510	48.391	ug/L 100
22) 2-Butanone	4.74	43	363517	104.702	ug/L 99

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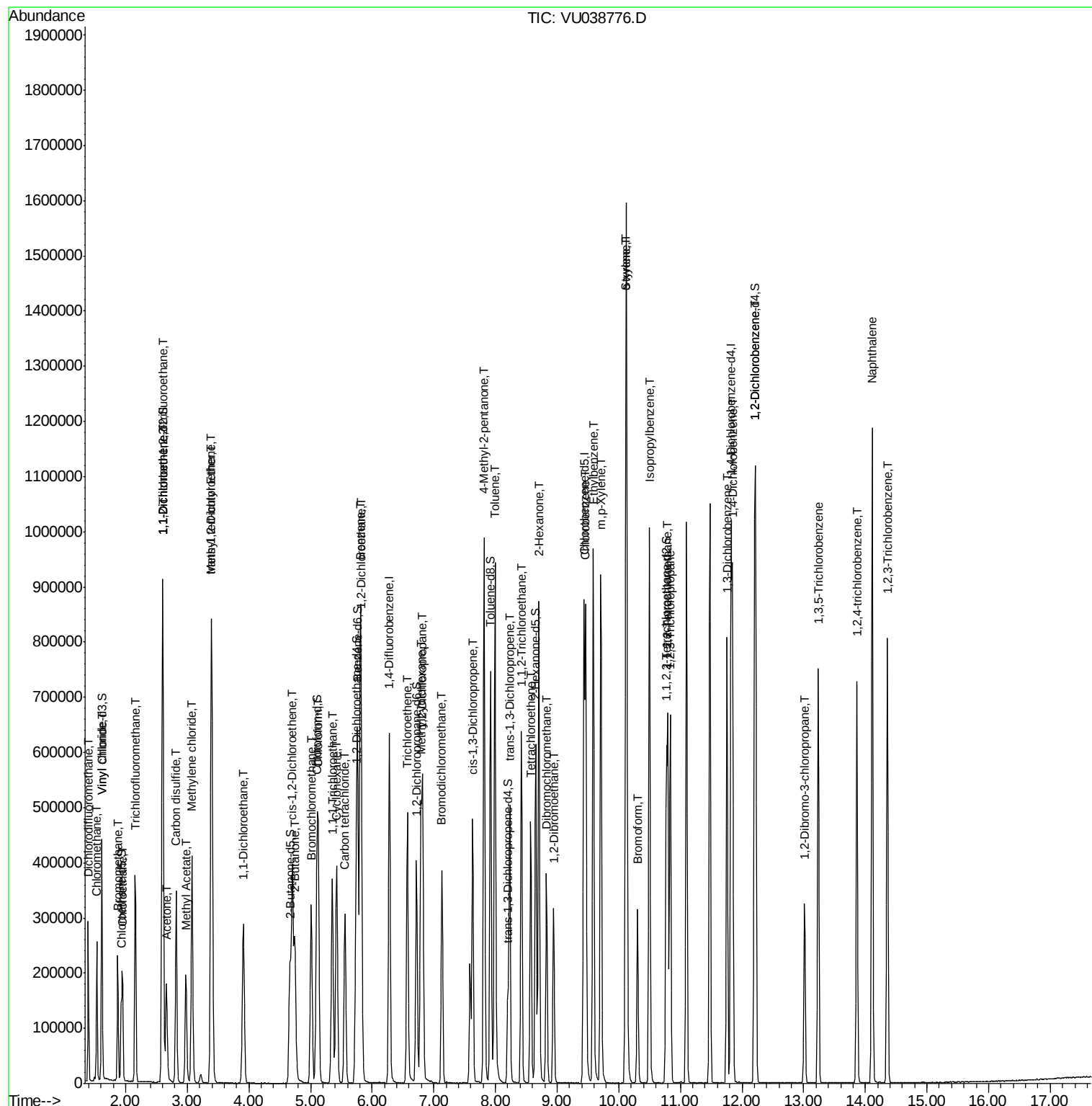
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	100231	51.133	ug/L	98
25) Chloroform	5.12	83	337173	49.663	ug/L	95
27) 1,2-Dichloroethane	5.83	62	292584	52.094	ug/L	100
29) Cyclohexane	5.42	56	198360	35.229	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	272483	47.119	ug/L	100
31) Carbon tetrachloride	5.56	117	206843	43.207	ug/L	99
33) Benzene	5.81	78	716882	49.052	ug/L	100
34) Trichloroethene	6.57	95	171733	46.202	ug/L	99
35) Methylcyclohexane	6.79	83	184308	32.879	ug/L	99
37) 1,2-Dichloropropane	6.82	63	191880	50.383	ug/L	99
38) Bromodichloromethane	7.13	83	252591	51.737	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	275426	46.894	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	623526	104.727	ug/L	99
42) Toluene	7.99	91	703688	46.049	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	271638	48.284	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	190778	52.046	ug/L	99
46) Tetrachloroethene	8.57	164	106419	39.685	ug/L	99
48) 2-Hexanone	8.71	43	527131	107.104	ug/L	99
49) Dibromochloromethane	8.83	129	192980	51.262	ug/L	100
50) 1,2-Dibromoethane	8.94	107	204554	51.918	ug/L	98
51) Chlorobenzene	9.47	112	441192	44.940	ug/L	98
52) Ethylbenzene	9.59	91	709343	42.060	ug/L	99
53) m,p-Xylene	9.71	106	276292	42.677	ug/L	100
54) o-xylene	10.11	106	280050	44.560	ug/L	100
55) Styrene	10.13	104	494288	45.368	ug/L	100
56) Isopropylbenzene	10.50	105	653068	39.815	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	317020	50.818	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	275763	51.642	ug/L	100
61) Bromoform	10.31	173	143101	54.384	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	322964	43.617	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	330918	44.135	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	344269	46.715	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	86290	56.501	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	219712	41.306	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	215393	42.954	ug/L	99
69) Naphthalene	14.11	128	915221	51.628	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	236318	46.974	ug/L	99

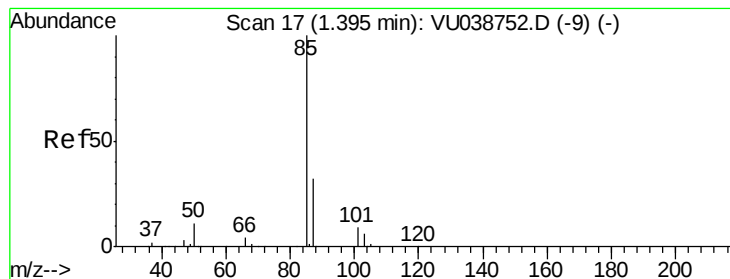
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 39.126 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

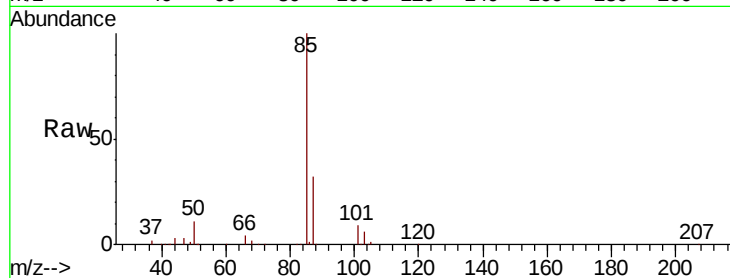
VSTD05048

Tot Ion: 85 Resp: 160145

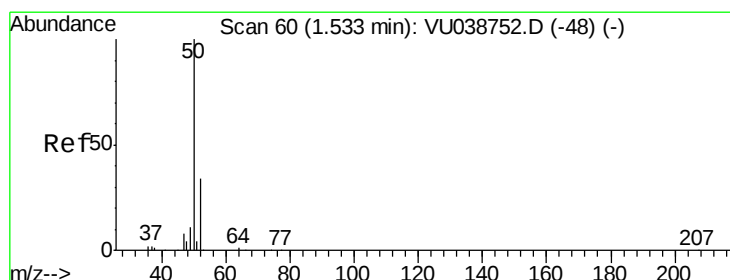
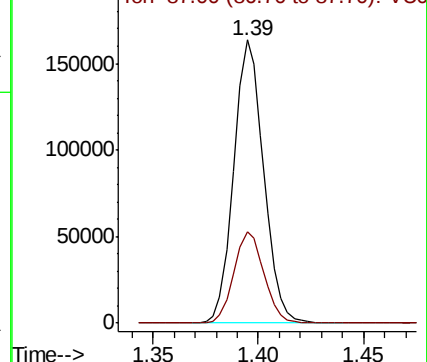
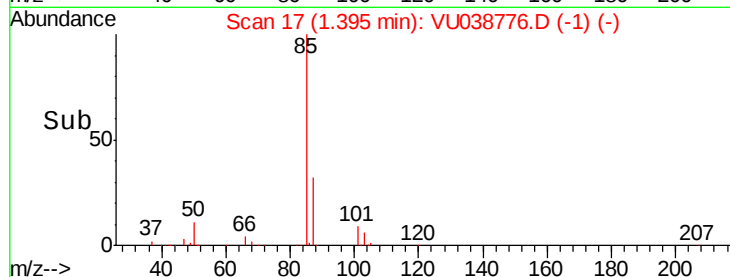
Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038776.D (-1) (-)



#3

Chloromethane

Concen: 43.180 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038776.D

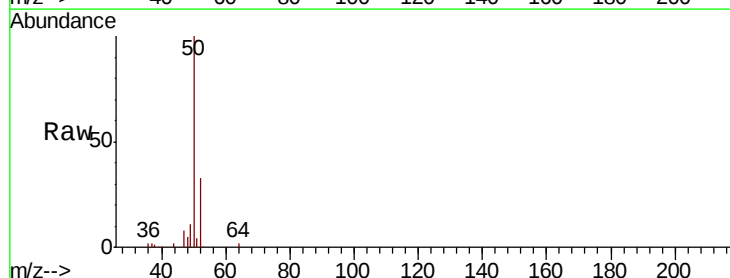
Acq: 10 Jun 2020 13:40

Tgt Ion: 50 Resp: 170495

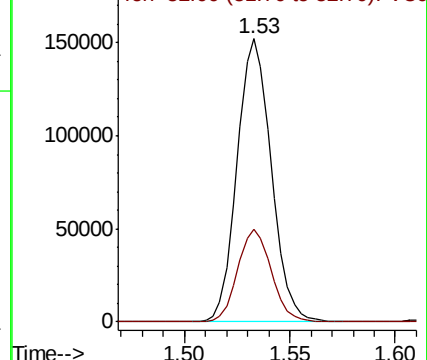
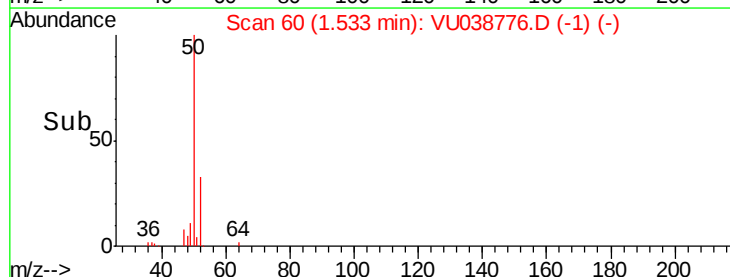
Ion Ratio Lower Upper

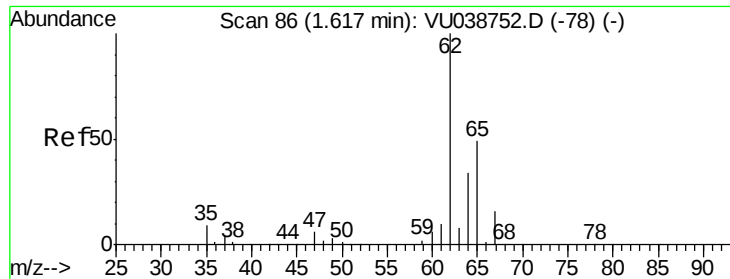
50 100

52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038776.D (-1) (-)





#5

Vinyl chloride

Concen: 45.280 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

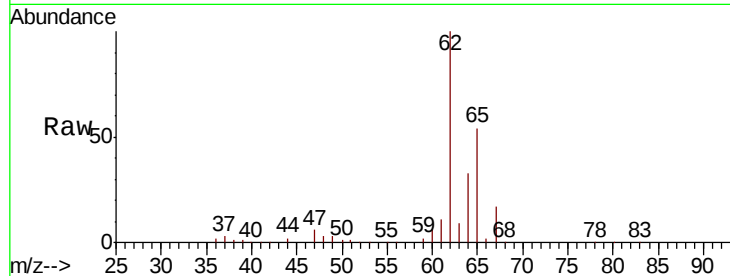
VSTD05048

Tot Ion: 62 Resp: 187245

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU038776.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU038776.D (-1) (-)

1.62

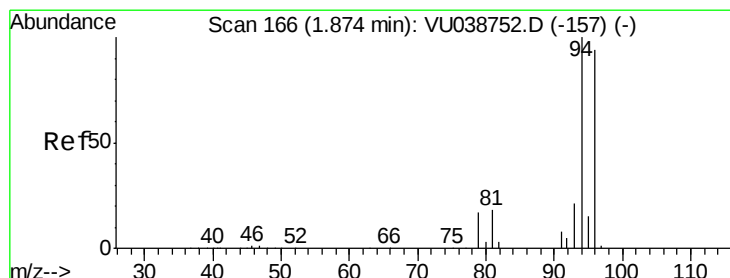
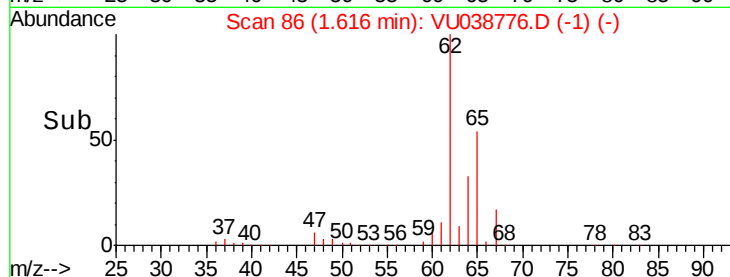
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 42.800 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038776.D

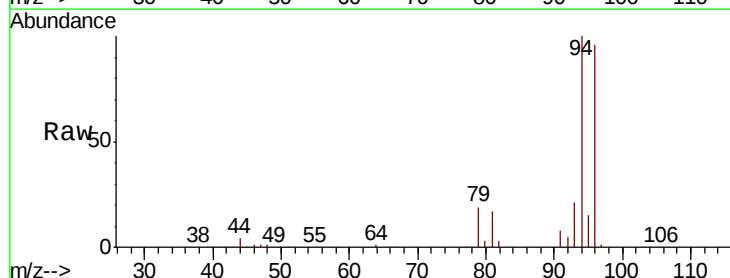
Acq: 10 Jun 2020 13:40

Tgt Ion: 94 Resp: 92179

Ion Ratio Lower Upper

94 100

96 96.1 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU038776.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU038776.D (-73) (-)

1.87

80000

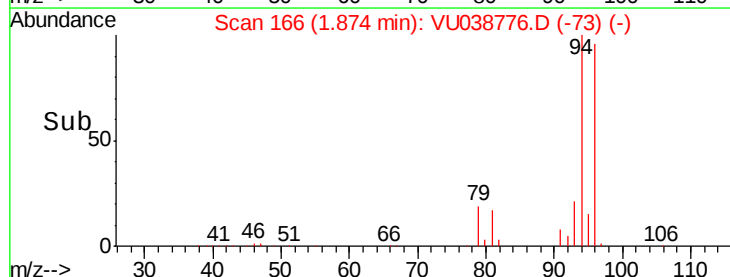
60000

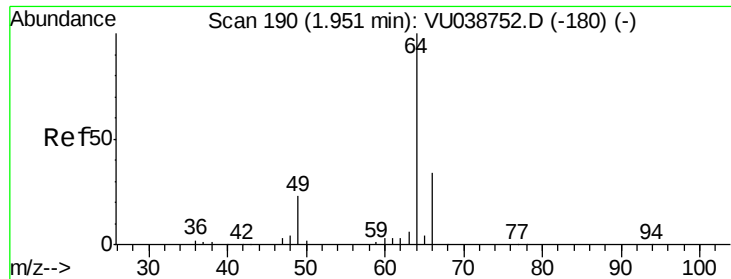
40000

20000

0

Time-->

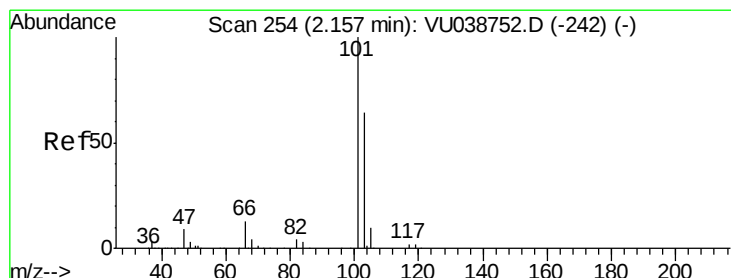
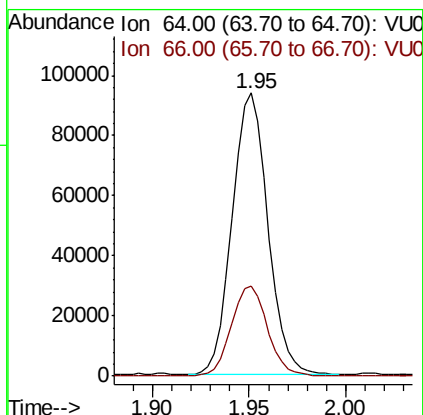
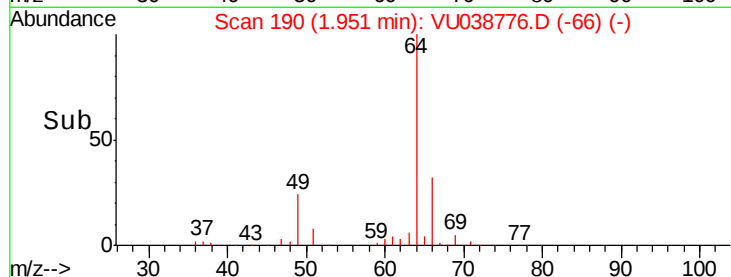
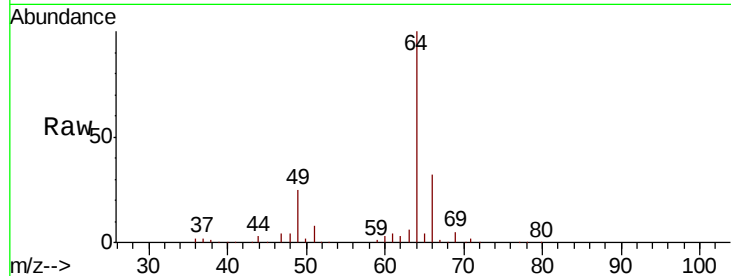




#8
Chloroethane
Concen: 49.603 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

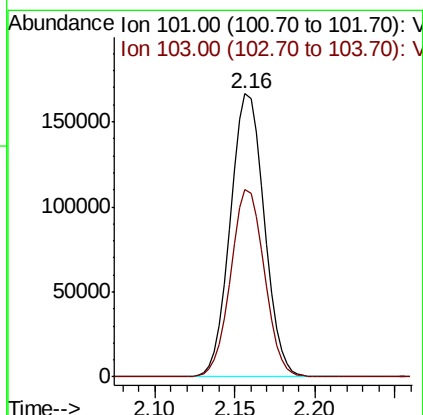
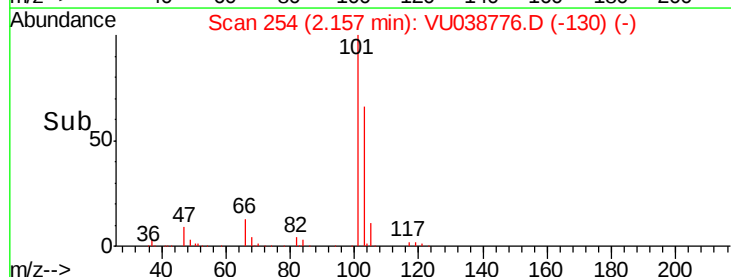
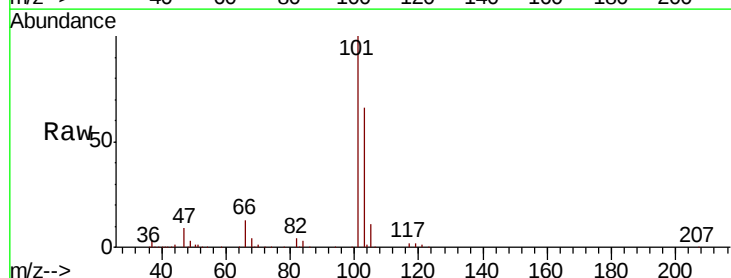
Instrument :
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VSTD05048

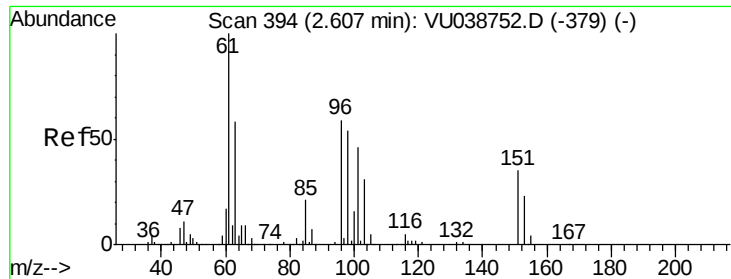
Tot Ion: 64 Resp: 119996
Ion Ratio Lower Upper
64 100
66 31.7 21.6 40.2



#9
Trichlorofluoromethane
Concen: 42.017 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

Tgt Ion:101 Resp: 239283
Ion Ratio Lower Upper
101 100
103 65.9 51.7 77.5





#10

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

Concen: 36.716 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

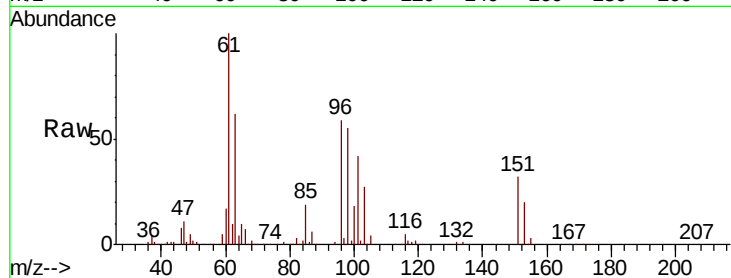
Tot Ion:101 Resp: 121877

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

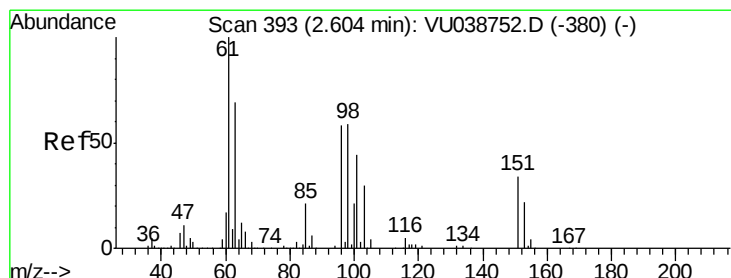
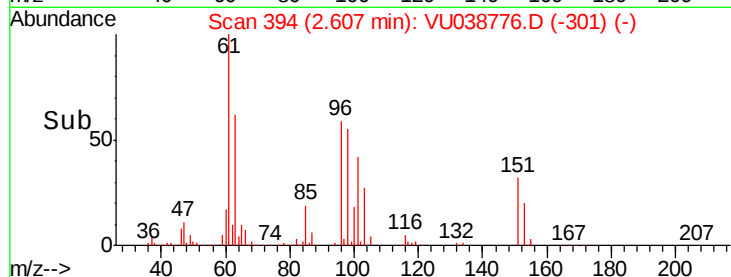
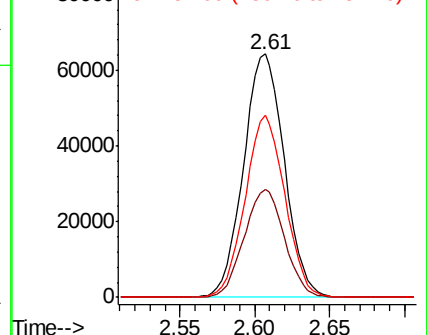
151 72.9 57.4 86.0



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: 44.280 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

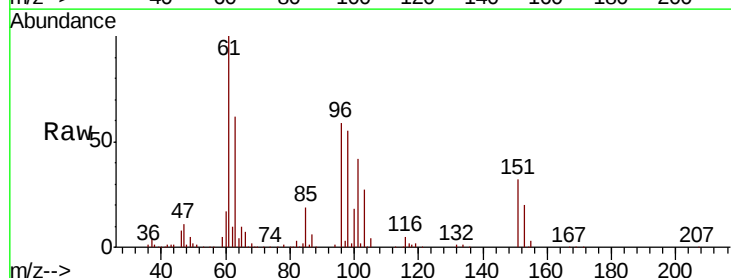
Tgt Ion: 96 Resp: 144867

Ion Ratio Lower Upper

96 100

61 170.2 120.0 223.0

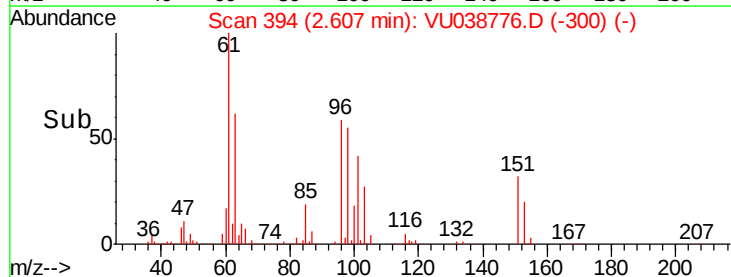
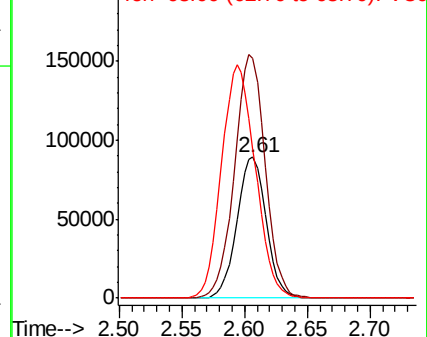
63 106.0 75.8 140.8

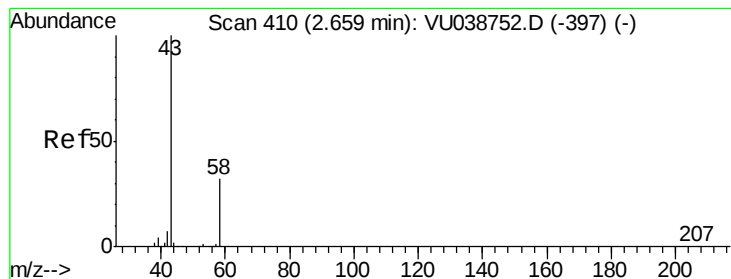


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 101.127 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

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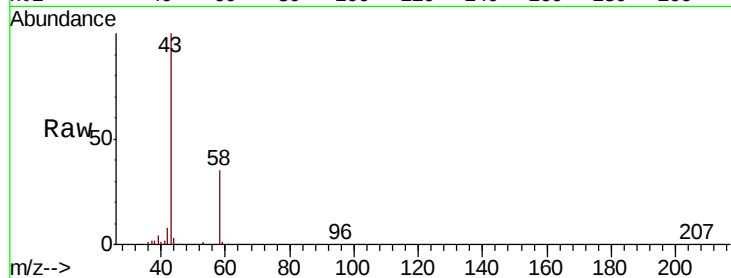
VSTD05048

Tot Ion: 43 Resp: 228945

Ion Ratio Lower Upper

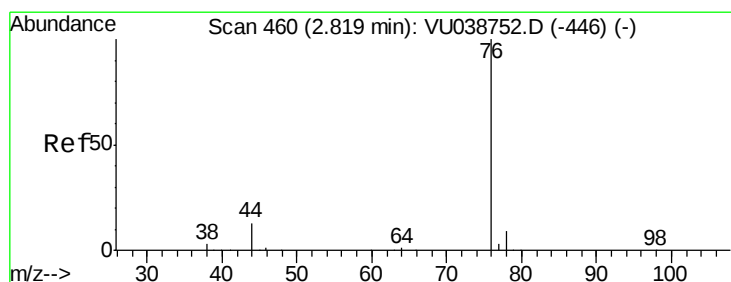
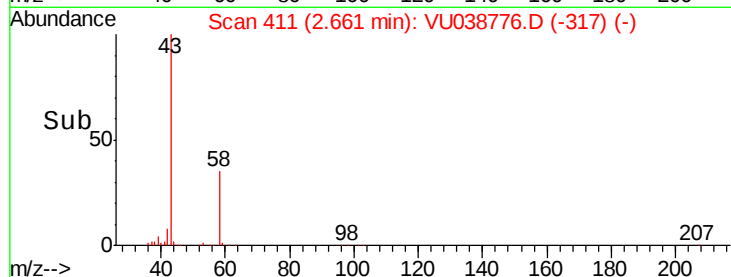
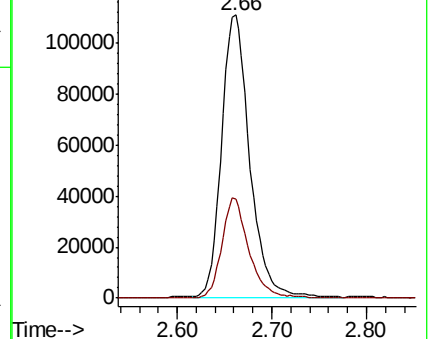
43 100

58 33.0 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038776.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU038776.D (-317) (-)



#14

Carbon disulfide

Concen: 42.580 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038776.D

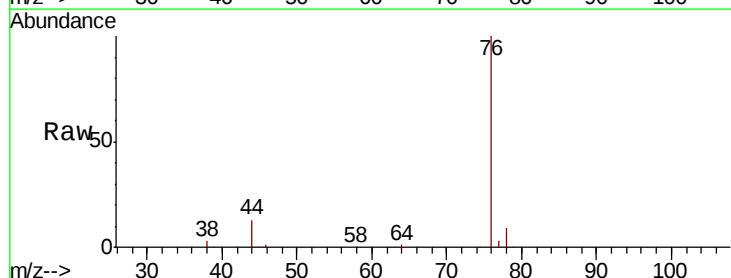
Acq: 10 Jun 2020 13:40

Tgt Ion: 76 Resp: 451102

Ion Ratio Lower Upper

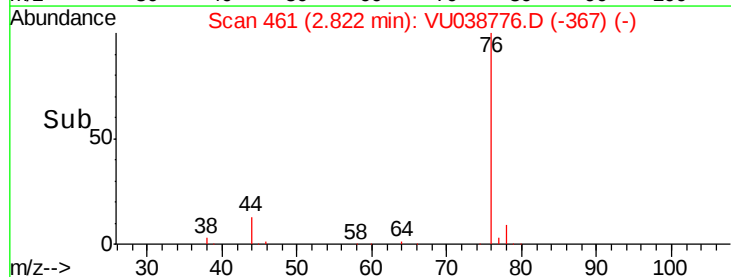
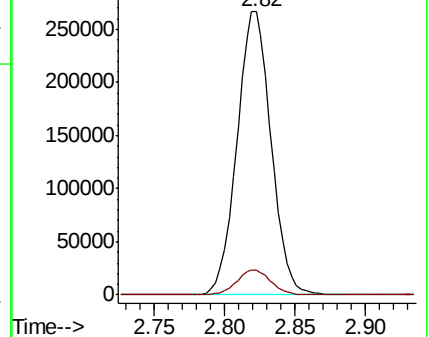
76 100

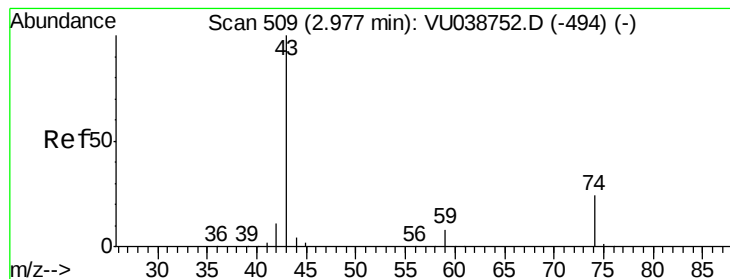
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038776.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038776.D (-367) (-)





#15

Methvl Acetate

Concen: 51.432 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

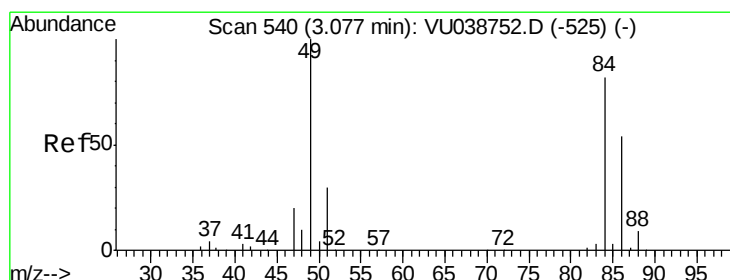
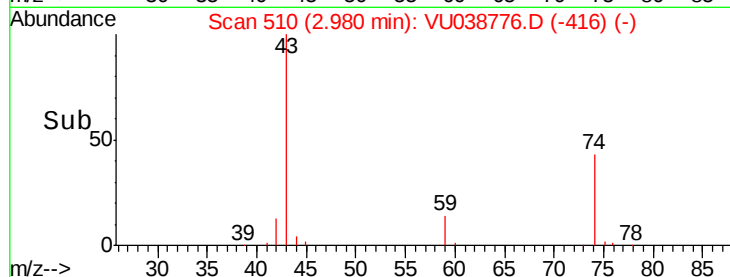
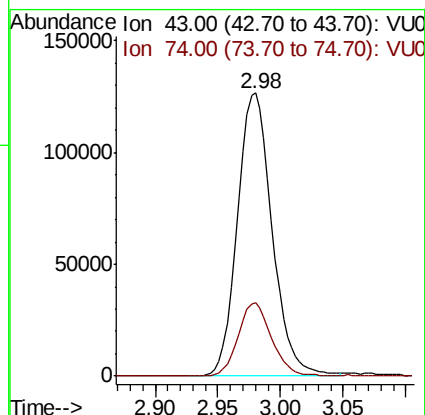
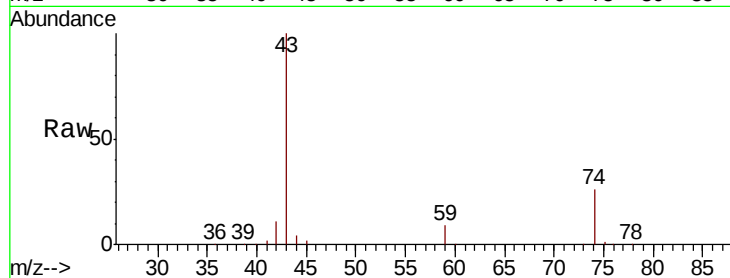
VSTD05048

Tot Ion: 43 Resp: 243326

Ion Ratio Lower Upper

43 100

74 25.2 19.7 29.5



#16

Methylene chloride

Concen: 49.774 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

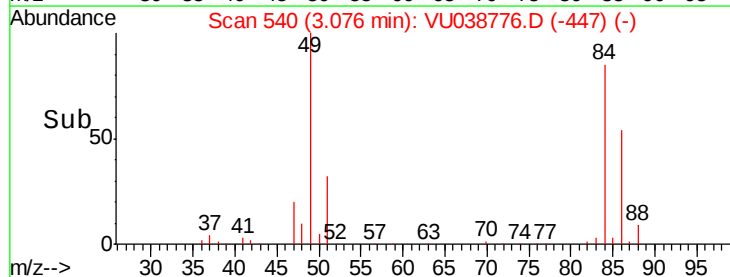
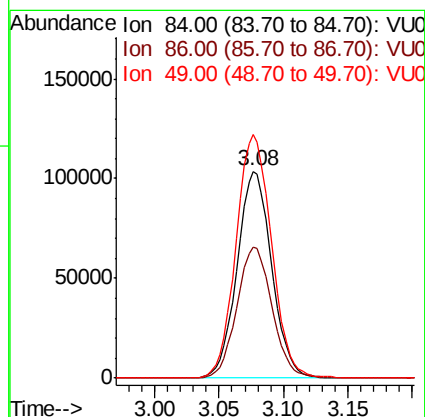
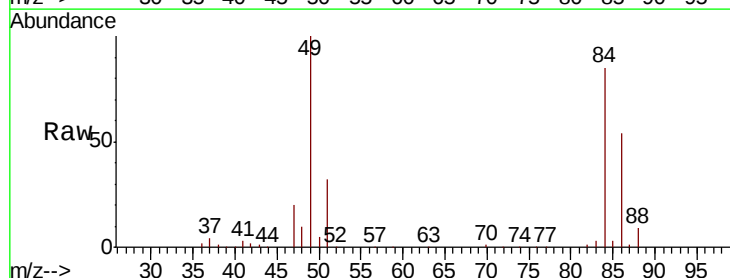
Tgt Ion: 84 Resp: 193342

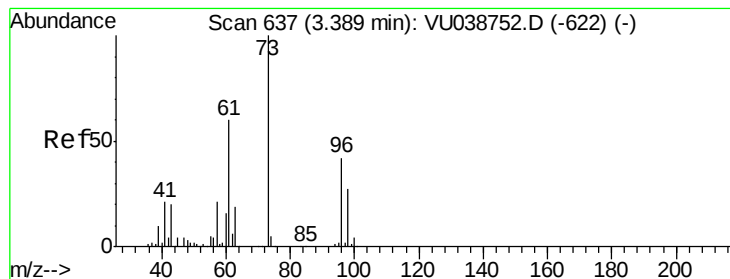
Ion Ratio Lower Upper

84 100

86 63.5 44.7 83.1

49 117.7 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 45.555 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

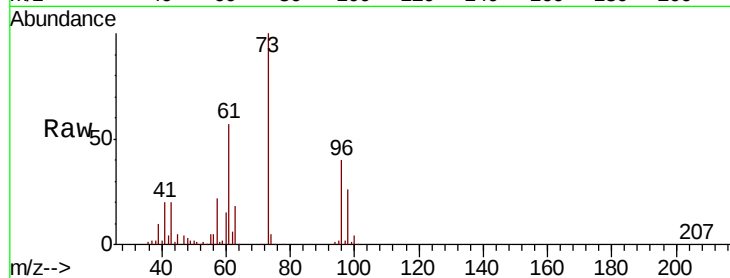
MSVOA_U

ClientSampleId :

VSTD05048

Tot Ion: 96 Resp: 163093

Ion	Ratio	Lower	Upper
96	100		
61	142.5	98.2	182.4
98	63.8	44.3	82.3

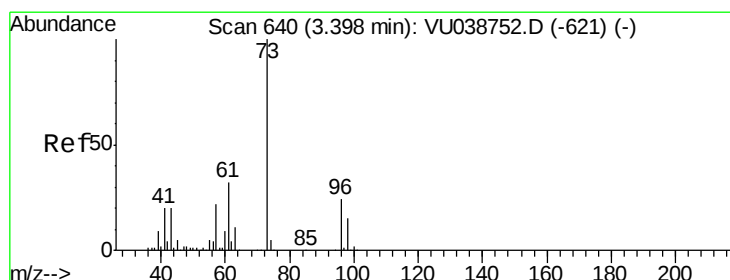
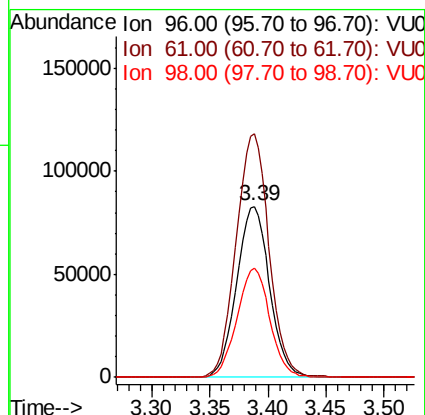
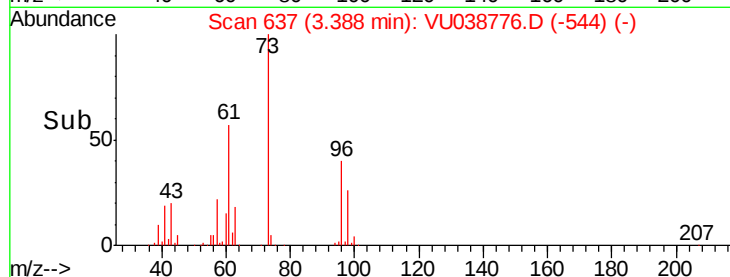


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.686 ug/L

RT: 3.40 min Scan# 640

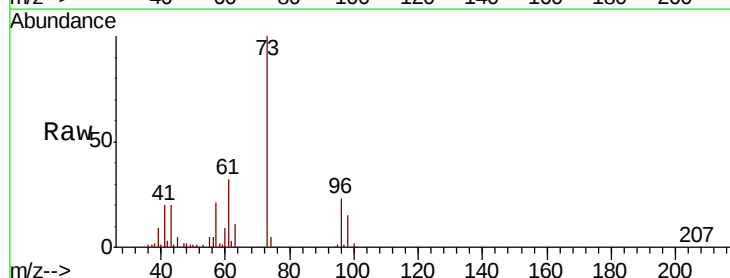
Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Tgt Ion: 73 Resp: 598289

Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.6	23.4
57	21.4	17.2	25.8

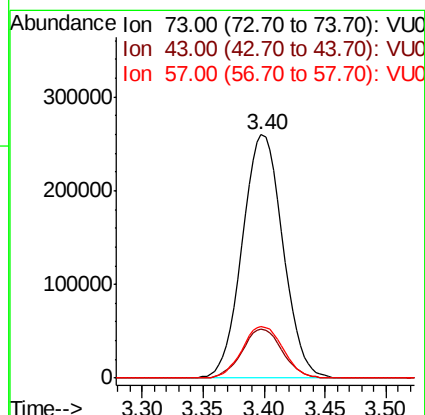
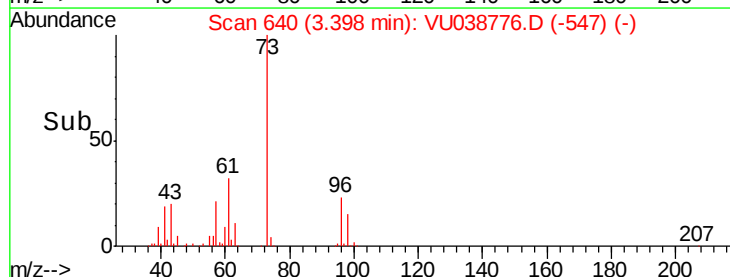


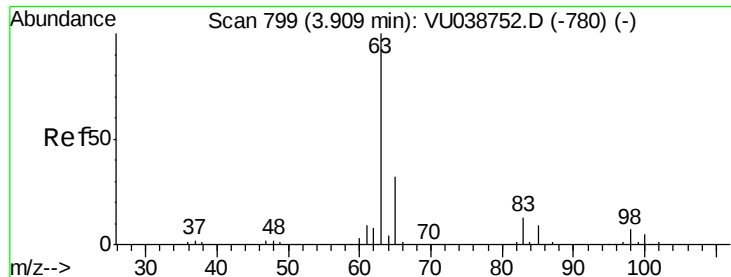
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

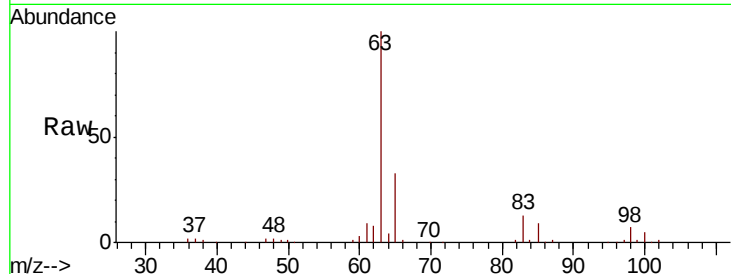




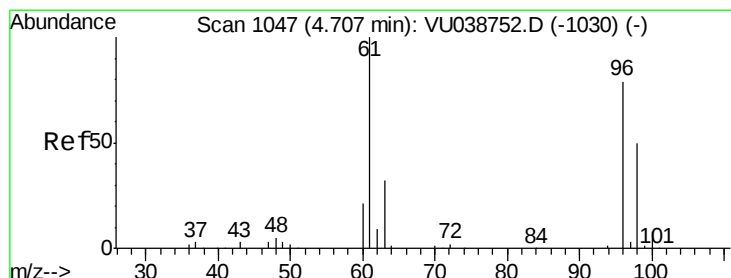
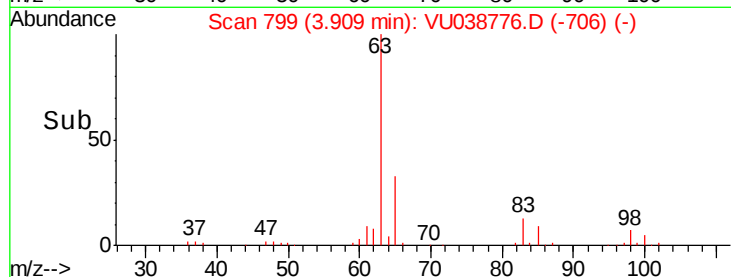
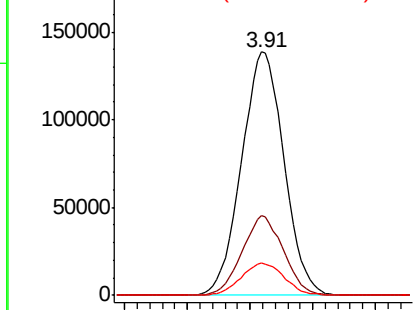
#19
 1,1-Dichloroethane
 Concen: 48.046 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tot Ion: 63 Resp: 325933
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.0 42.8
 83 13.1 9.2 17.2

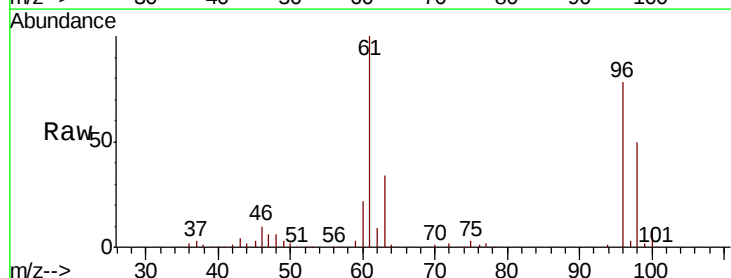


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

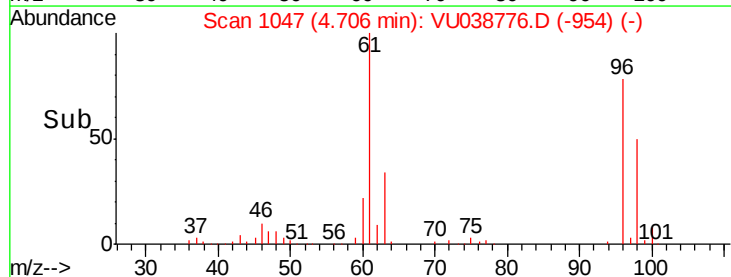
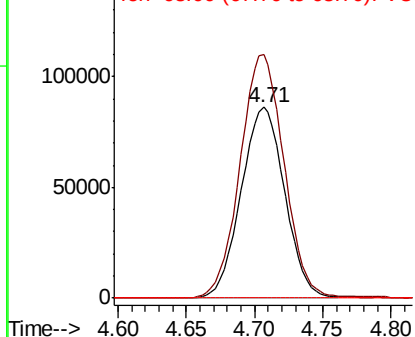


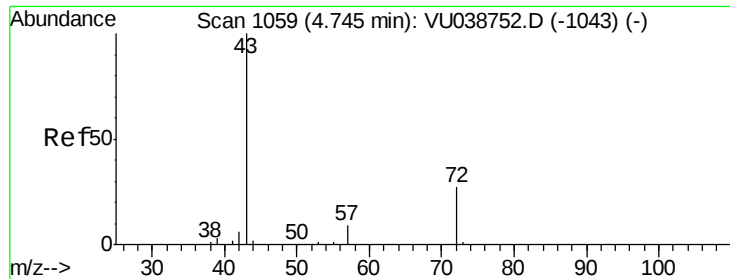
#20
 cis-1,2-Dichloroethene
 Concen: 48.391 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion: 96 Resp: 191510
 Ion Ratio Lower Upper
 96 100
 61 127.7 89.5 166.1
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 104.702 ug/L

RT: 4.74 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

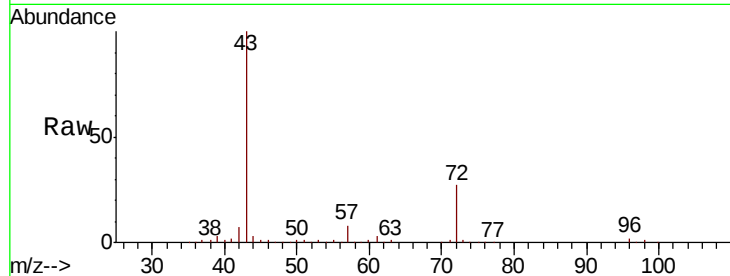
VSTD05048

Tot Ion: 43 Resp: 363517

Ion Ratio Lower Upper

43 100

72 27.5 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU038776.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU038776.D (-966) (-)

4.74

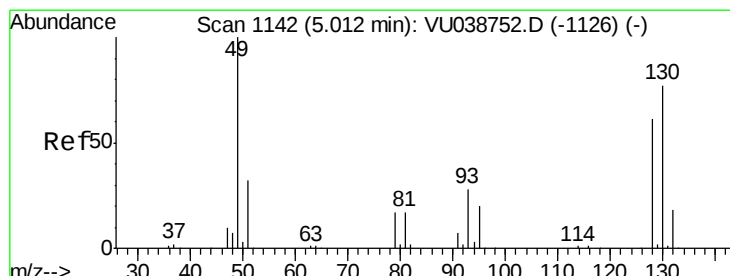
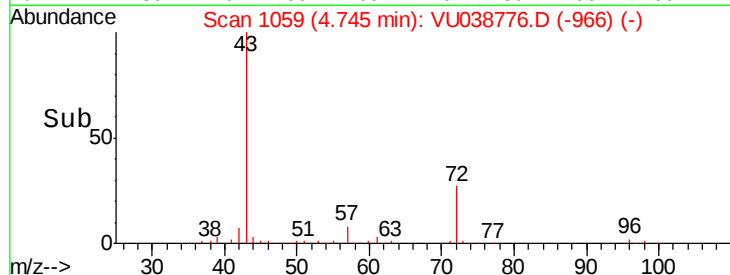
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 51.133 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Tgt Ion:128 Resp: 100231

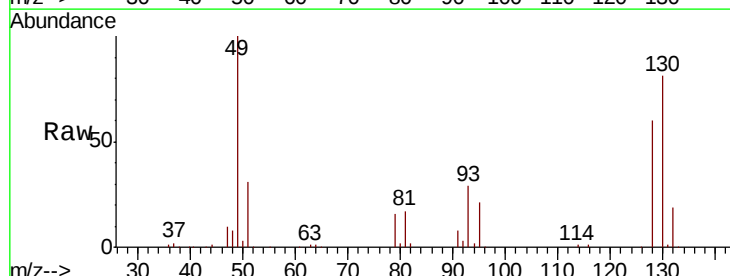
Ion Ratio Lower Upper

128 100

49 166.0 118.6 220.2

130 134.3 92.5 171.7

51 51.9 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VU038776.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038776.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038776.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038776.D (-1049) (-)

120000

100000

80000

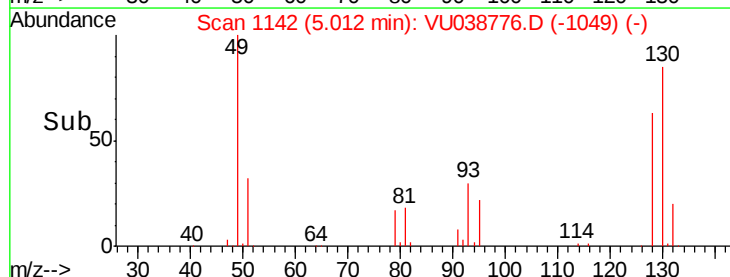
60000

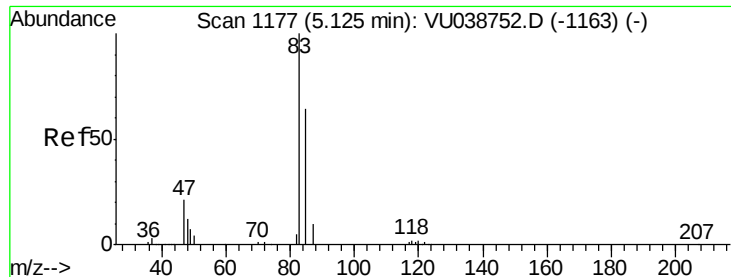
40000

20000

0

Time-->

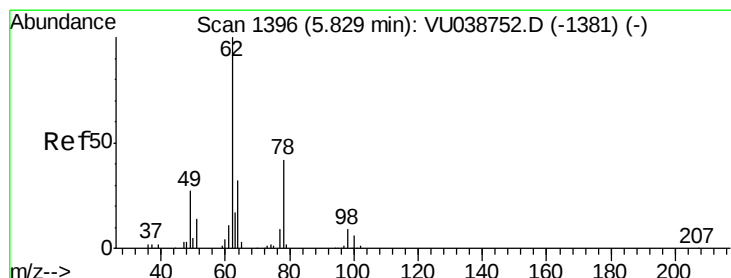
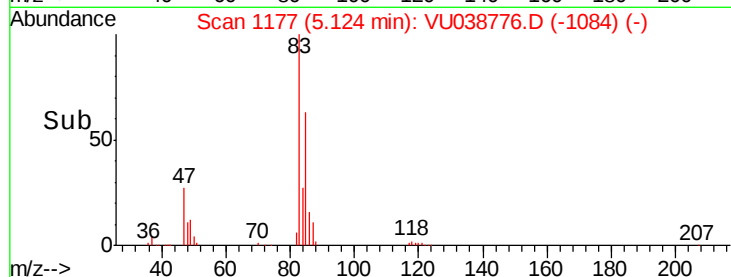
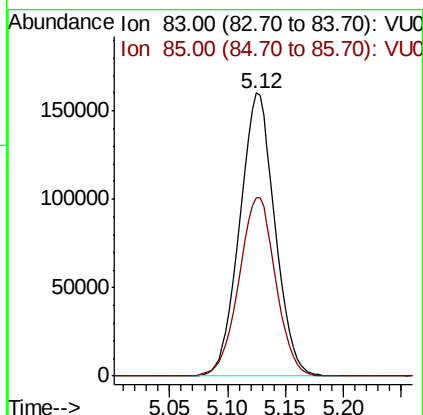
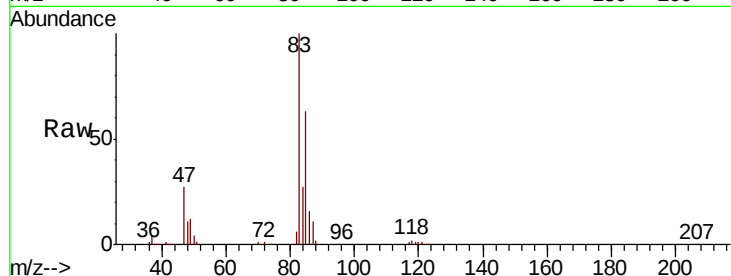




#25
Chloroform
Concen: 49.663 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

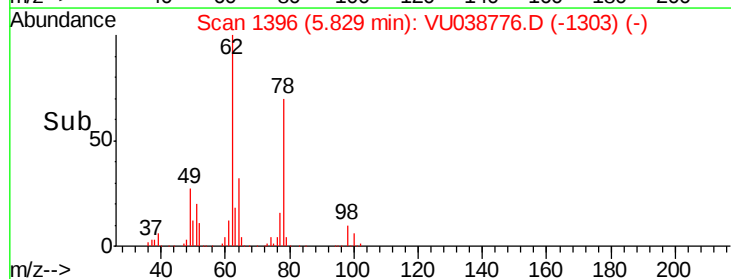
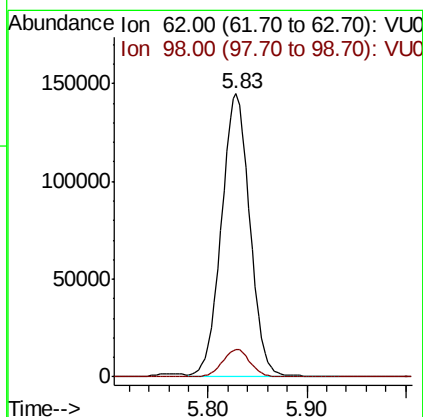
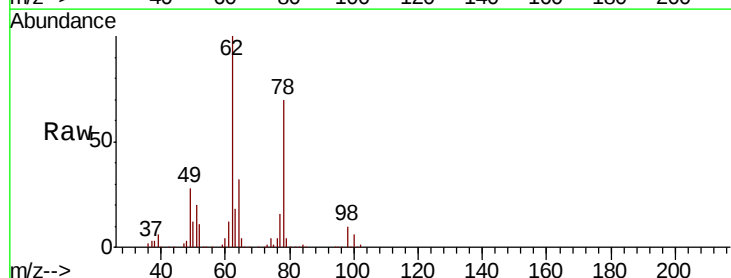
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

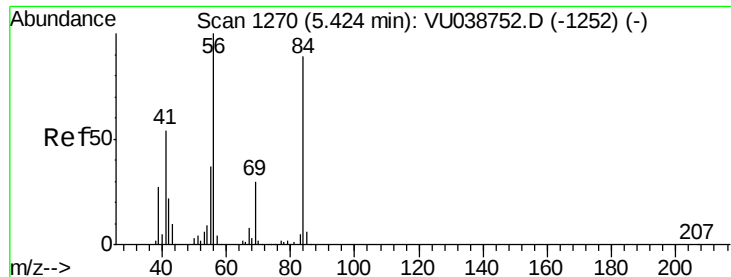
Tot Ion: 83 Resp: 337173
Ion Ratio Lower Upper
83 100
85 63.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 52.094 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

Tgt Ion: 62 Resp: 292584
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

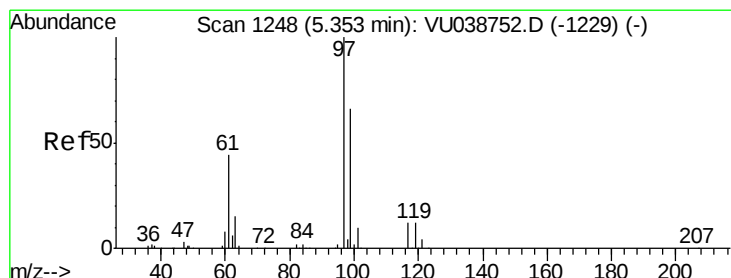
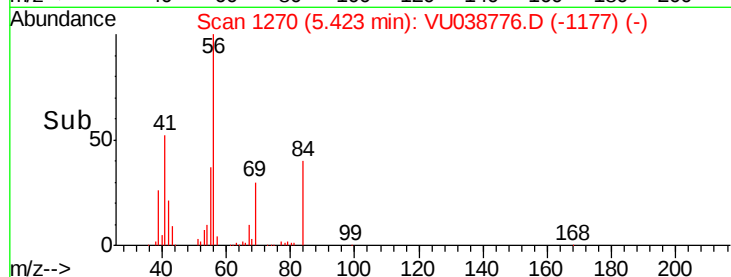
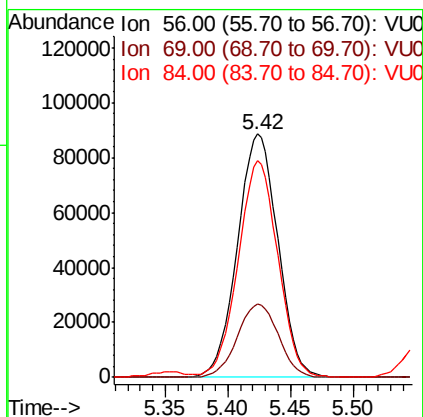
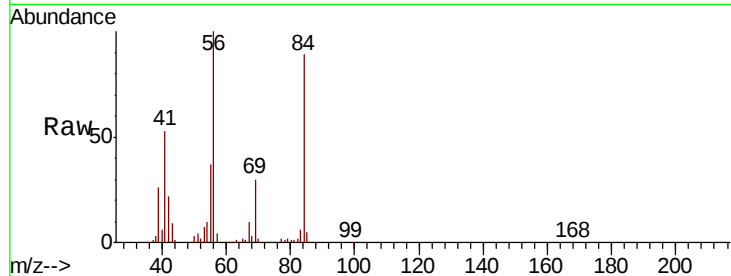




#29
Cyclohexane
Concen: 35.229 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

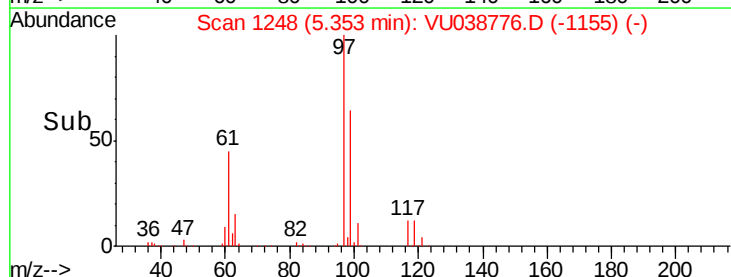
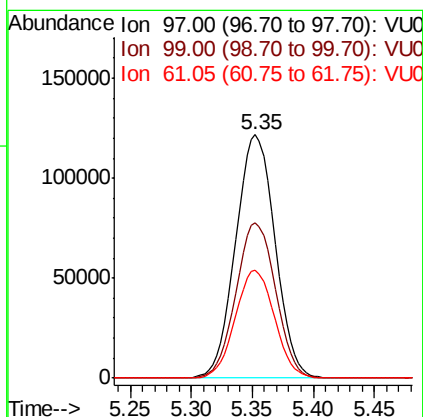
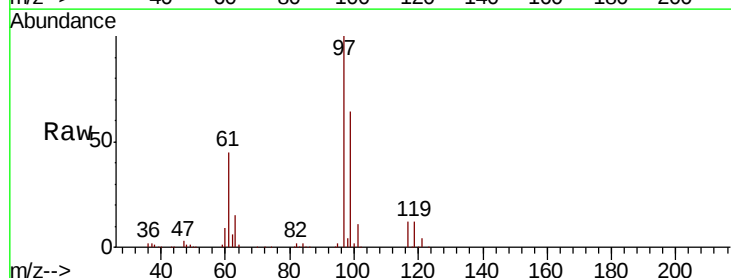
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

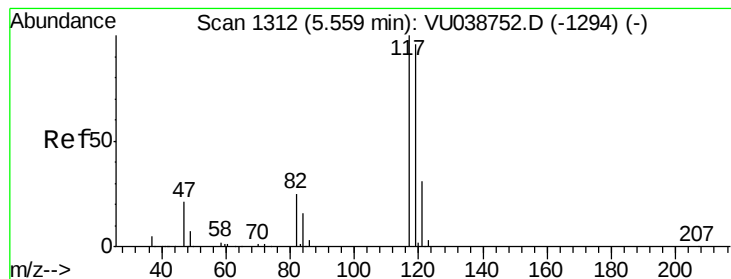
Tot Ion: 56 Resp: 198360
Ion Ratio Lower Upper
56 100
69 30.6 25.1 37.7
84 87.6 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 47.119 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

Tgt Ion: 97 Resp: 272483
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 44.2 35.2 52.8





#31

Carbon tetrachloride

Concen: 43.207 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

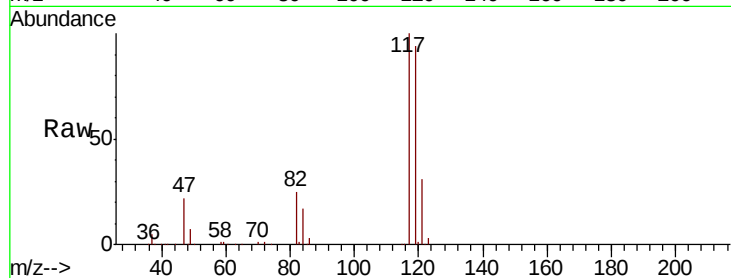
VSTD05048

Tot Ion:117 Resp: 206843

Ion Ratio Lower Upper

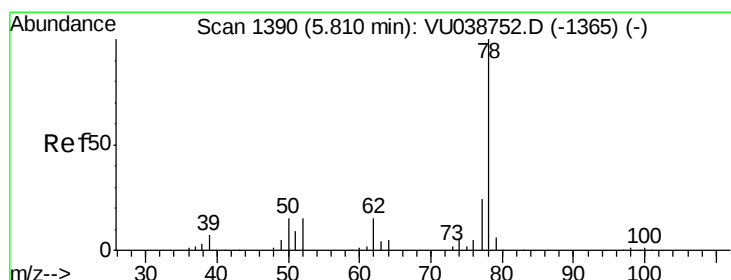
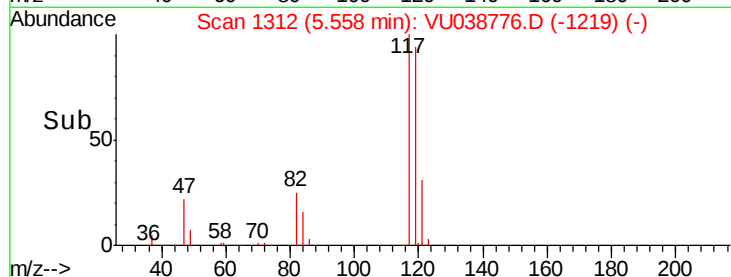
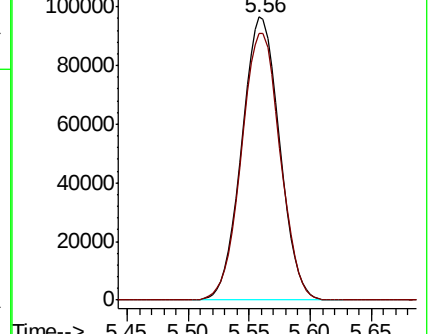
117 100

119 96.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.052 ug/L

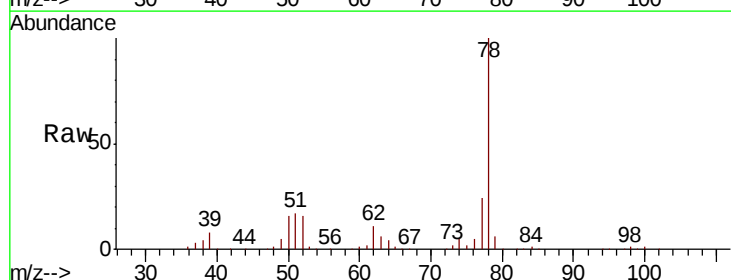
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU038776.D

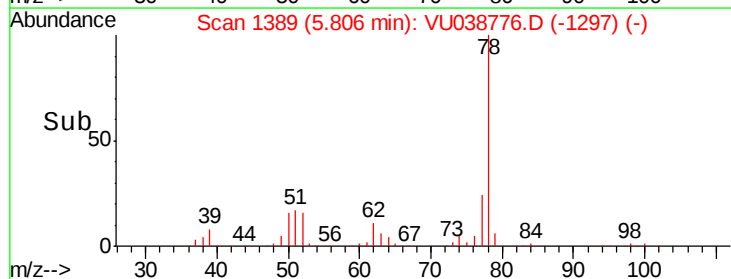
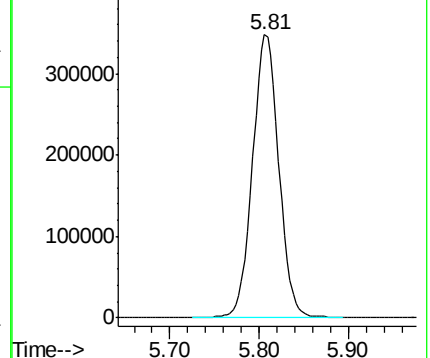
Acq: 10 Jun 2020 13:40

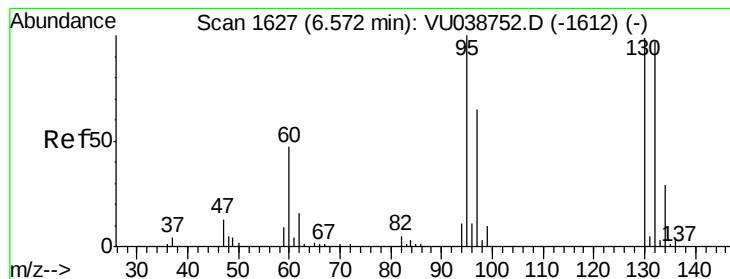
Tgt Ion: 78 Resp: 716882



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.202 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tot Ion: 95 Resp: 171733

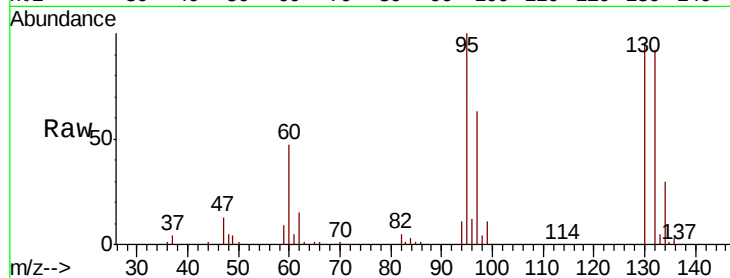
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.4

132 92.5 64.9 120.5

130 95.6 68.6 127.4

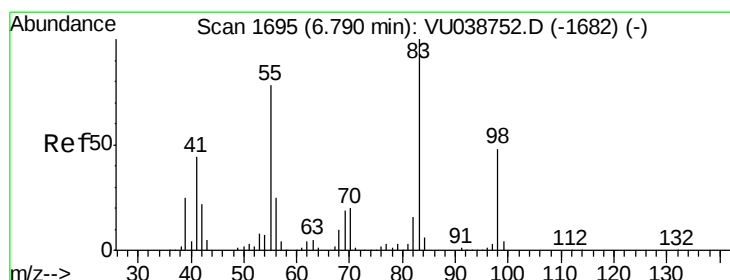
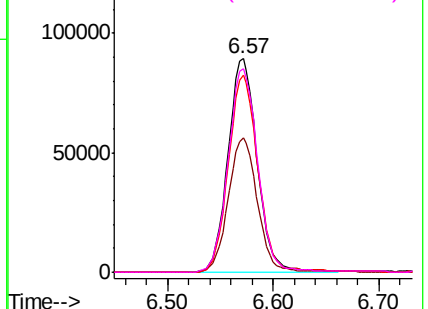
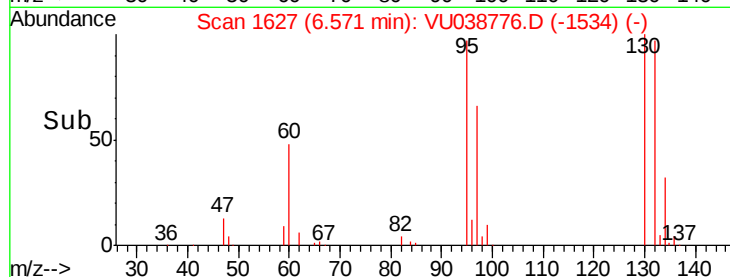


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 32.879 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

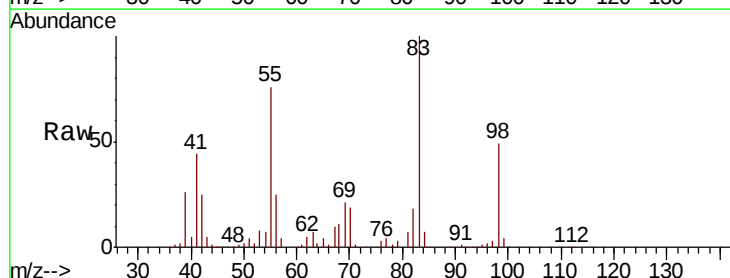
Tgt Ion: 83 Resp: 184308

Ion Ratio Lower Upper

83 100

55 78.9 63.2 94.8

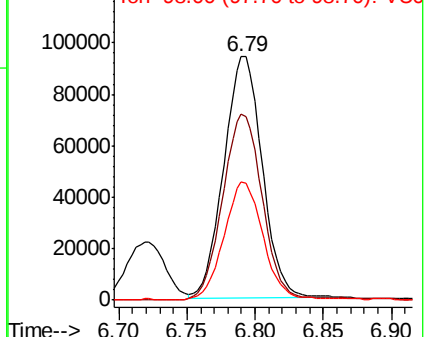
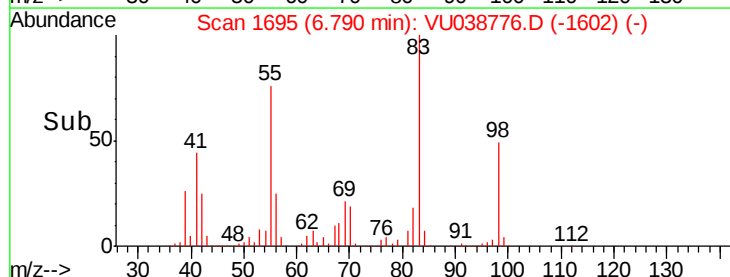
98 49.1 38.4 57.6

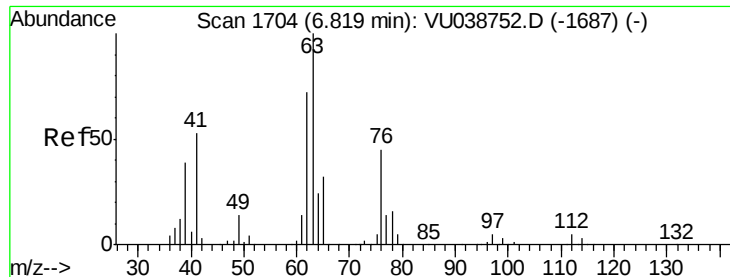


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

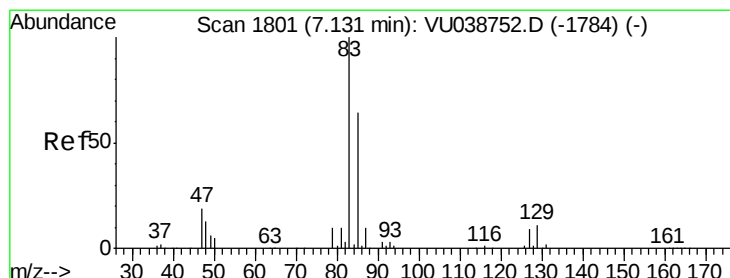
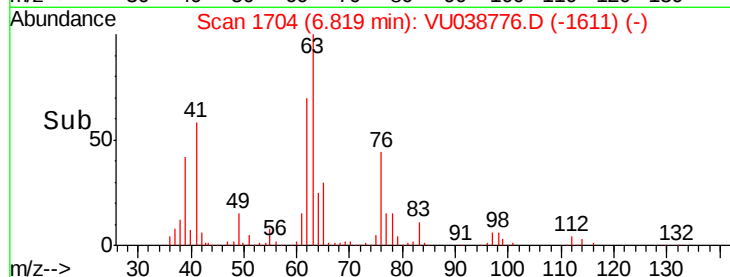
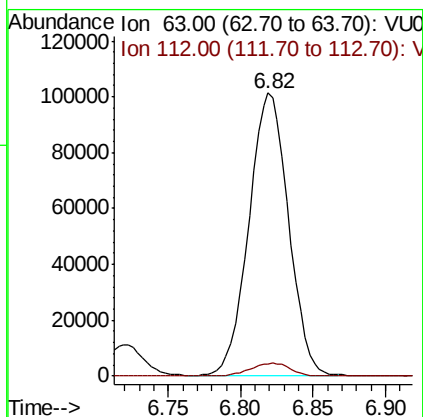
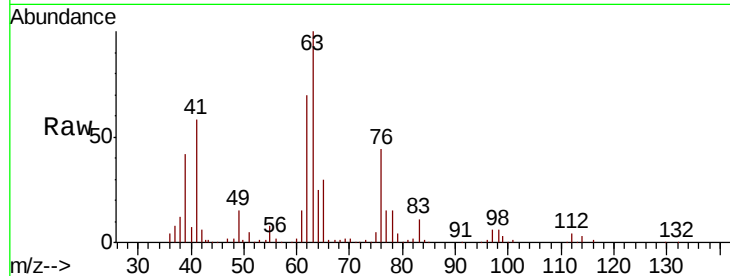




#37
 1,2-Dichloropropane
 Concen: 50.383 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

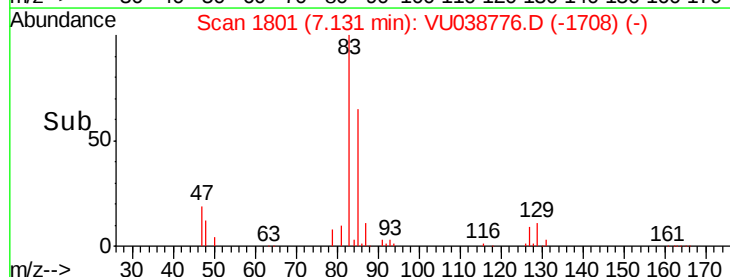
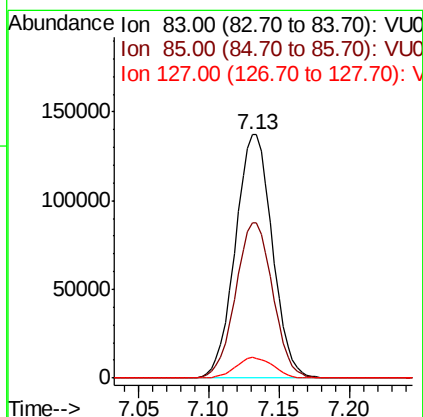
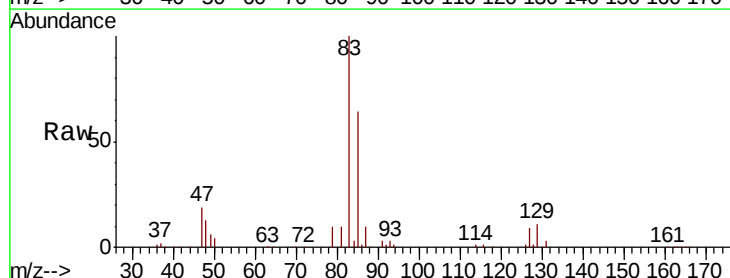
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

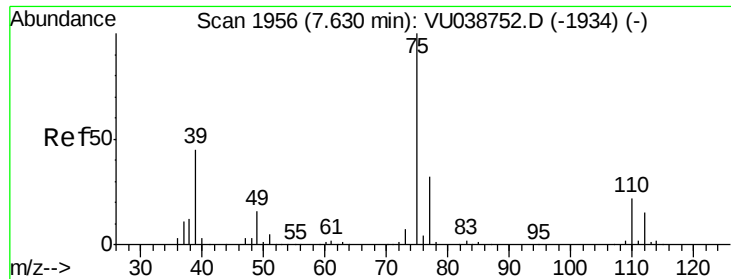
Tot Ion: 63 Resp: 191880
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 51.737 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion: 83 Resp: 252591
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.9
 127 8.5 7.0 10.4

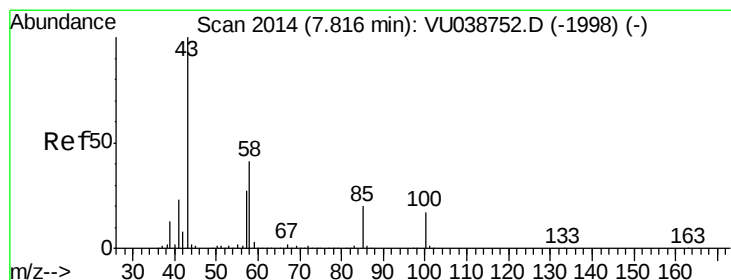
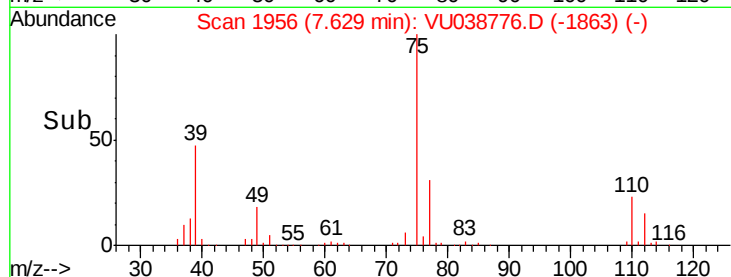
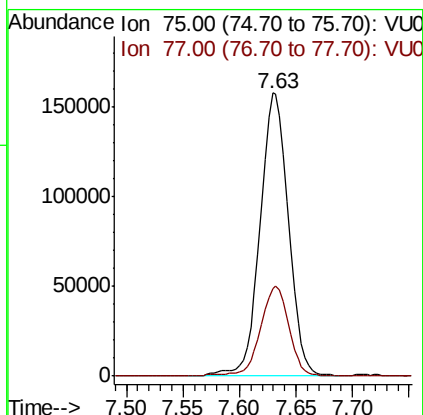
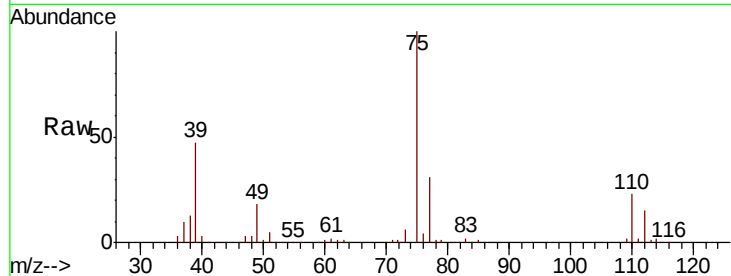




#39
 cis-1,3-Dichloropropene
 Concen: 46.894 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

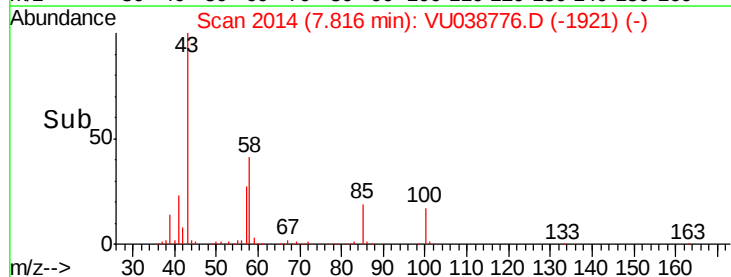
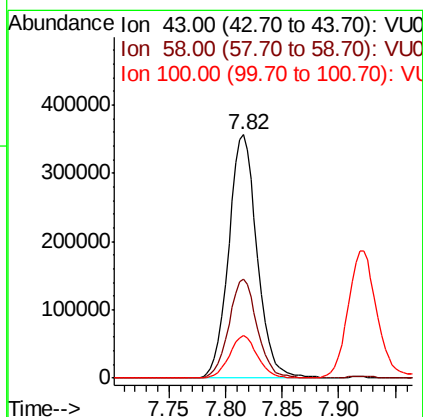
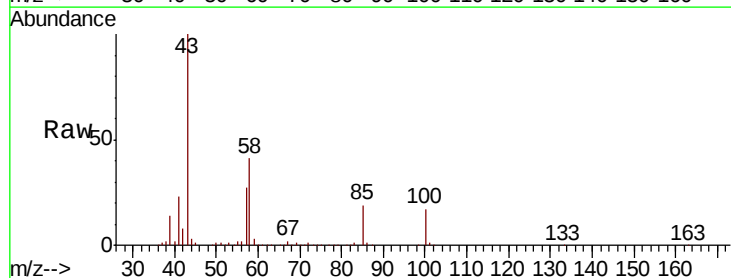
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

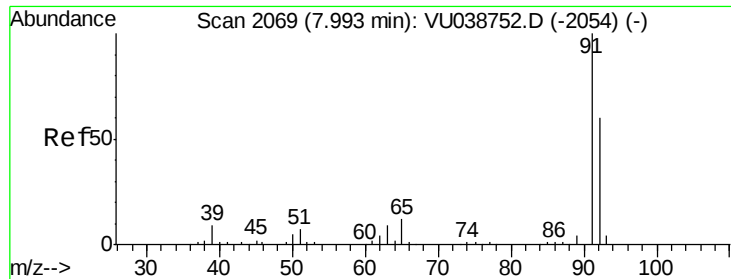
Tot Ion: 75 Resp: 275426
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 104.727 ug/L
 RT: 7.82 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion: 43 Resp: 623526
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.0 49.4
 100 17.2 13.4 20.0





#42

Toluene

Concen: 46.049 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

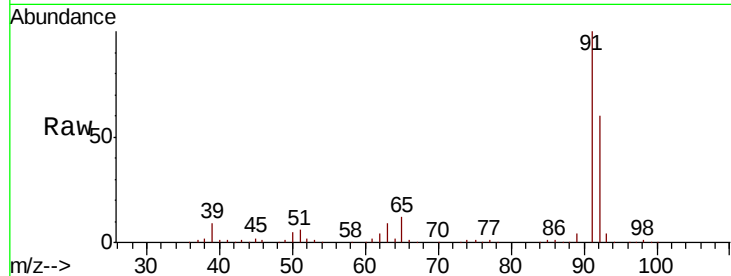
VSTD05048

Tot Ion: 91 Resp: 703688

Ion Ratio Lower Upper

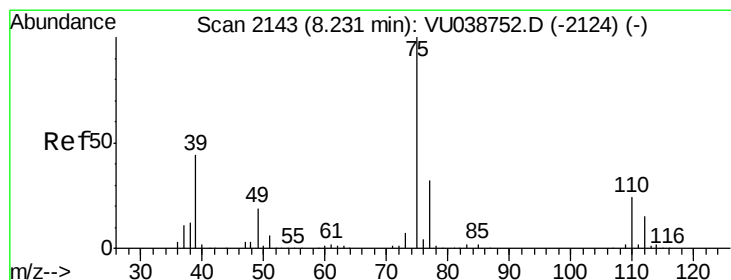
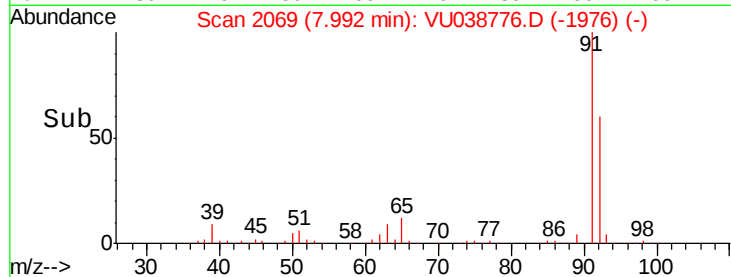
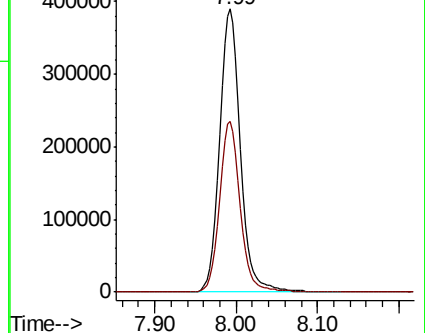
91 100

92 60.5 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038776.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU038776.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.284 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038776.D

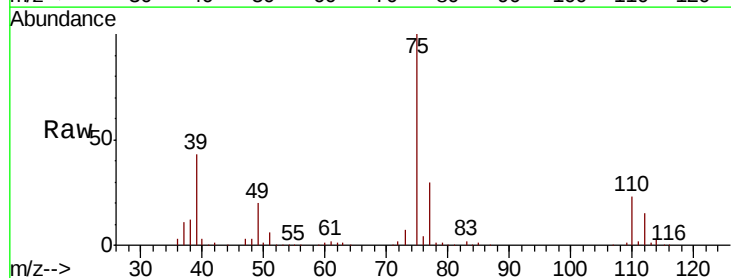
Acq: 10 Jun 2020 13:40

Tgt Ion: 75 Resp: 271638

Ion Ratio Lower Upper

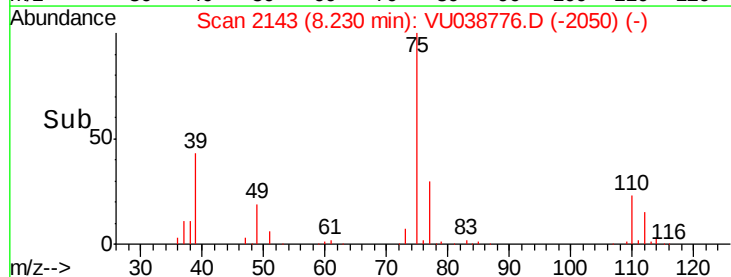
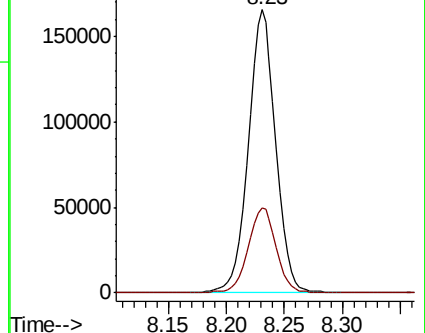
75 100

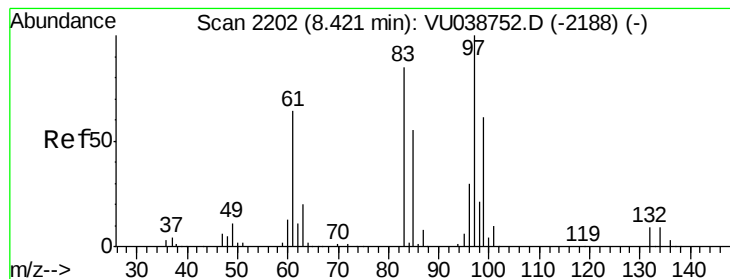
77 30.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038776.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU038776.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 52.046 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tot Ion: 97 Resp: 190778

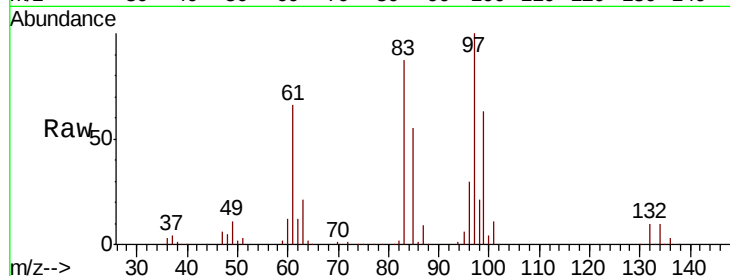
Ion Ratio Lower Upper

97 100

99 63.0 43.6 81.0

83 86.6 60.0 111.4

85 55.2 38.4 71.2

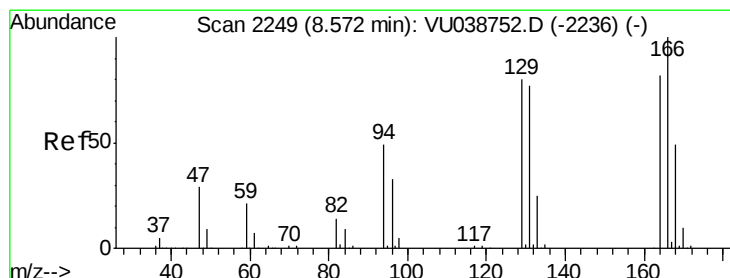
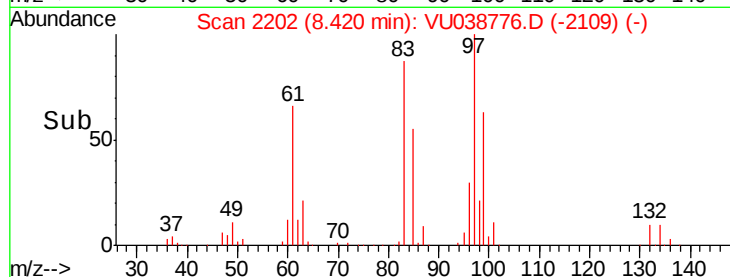
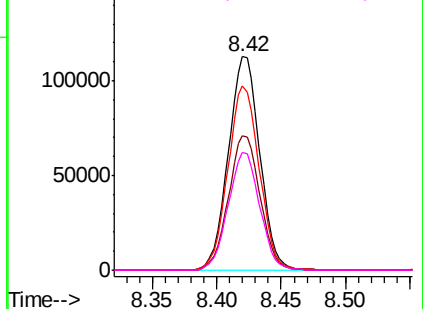


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 39.685 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Tgt Ion:164 Resp: 106419

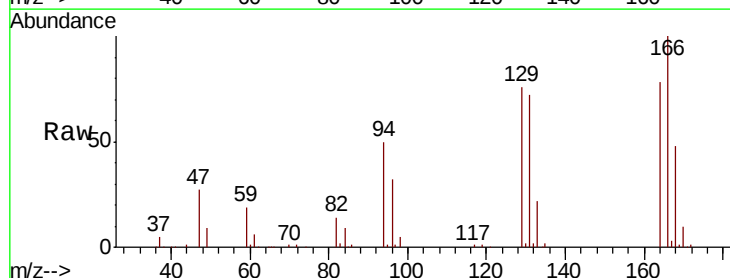
Ion Ratio Lower Upper

164 100

129 96.4 67.2 124.8

131 91.4 65.5 121.6

166 127.6 90.4 168.0

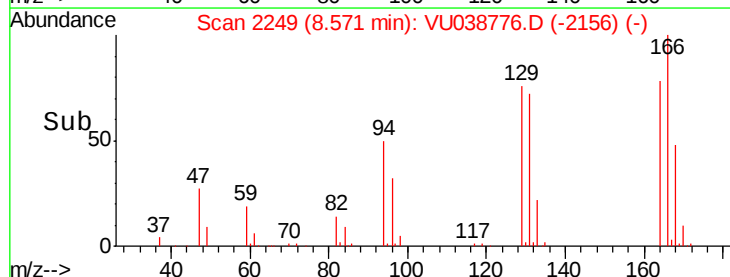
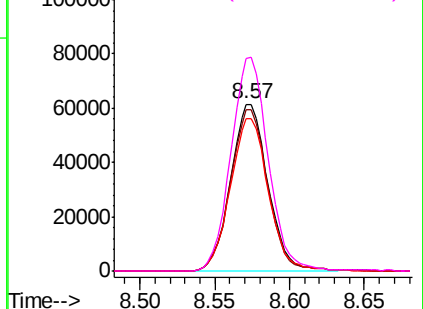


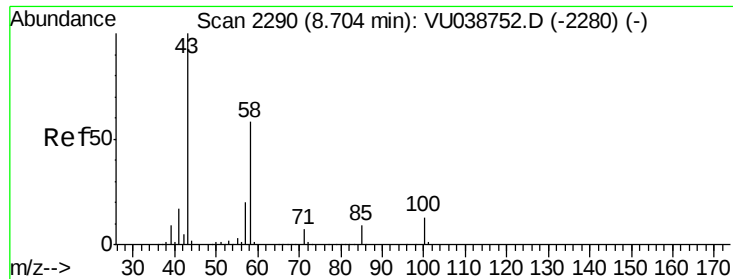
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

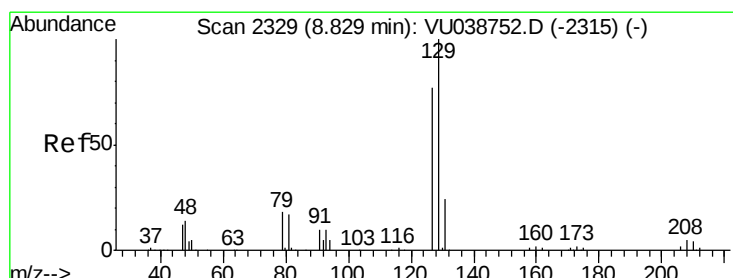
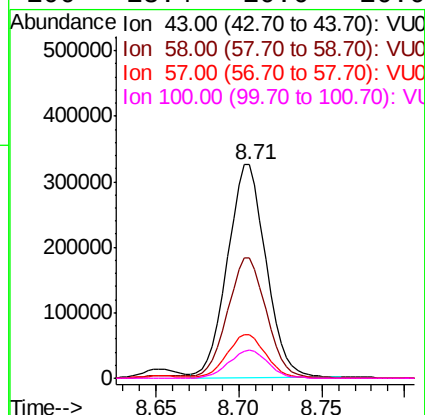
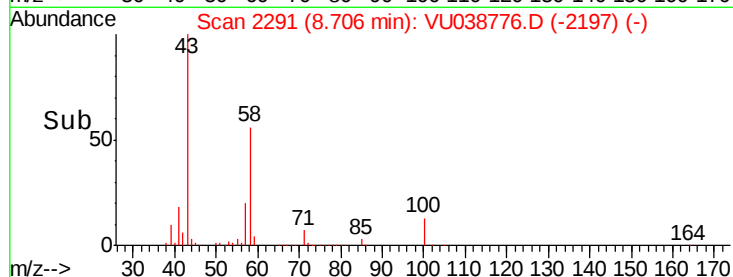
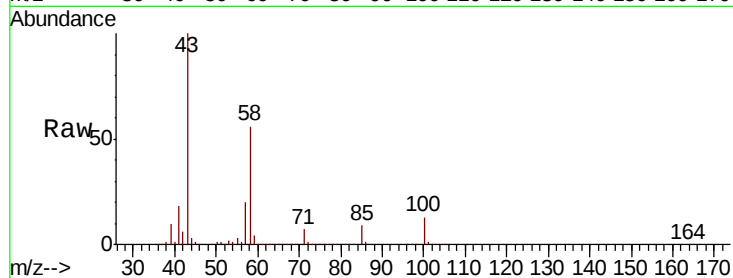




#48
2-Hexanone
Concen: 107.104 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

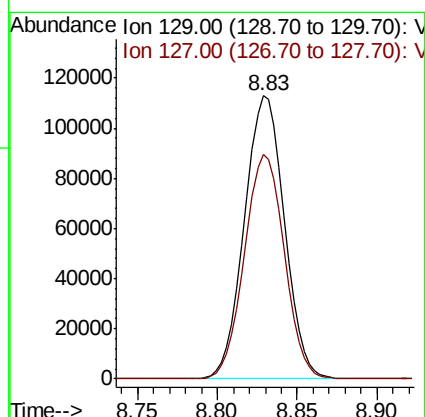
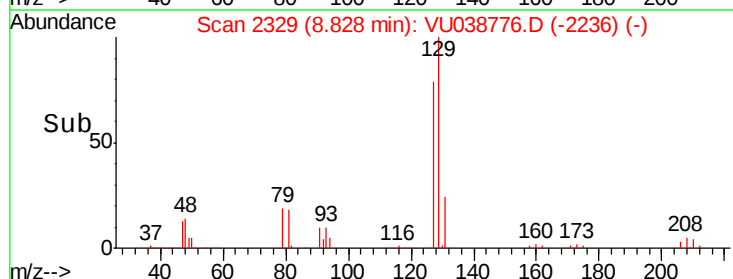
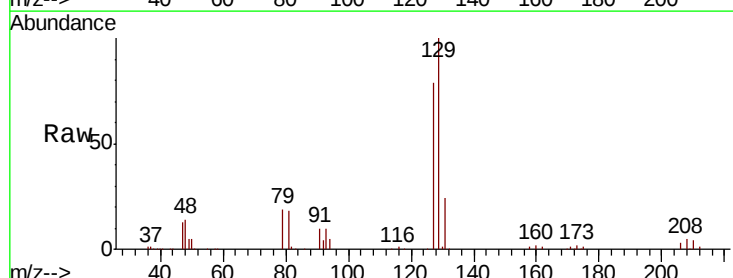
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

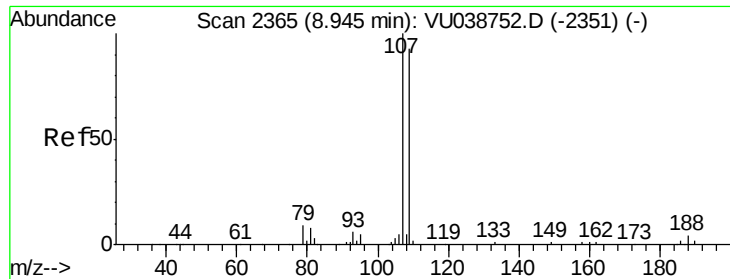
Tot Ion: 43 Resp: 527131
Ion Ratio Lower Upper
43 100
58 57.2 46.2 69.4
57 20.9 16.6 24.8
100 13.4 10.6 16.0



#49
Dibromochloromethane
Concen: 51.262 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038776.D
Acq: 10 Jun 2020 13:40

Tgt Ion:129 Resp: 192980
Ion Ratio Lower Upper
129 100
127 79.5 55.8 103.6

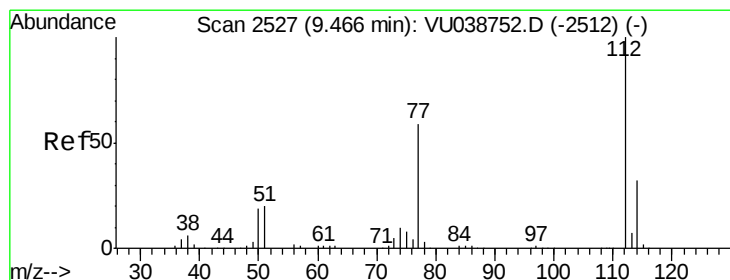
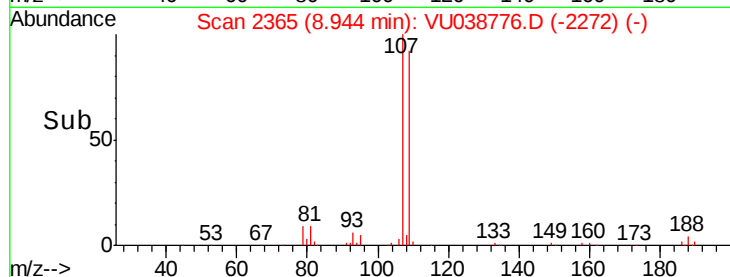
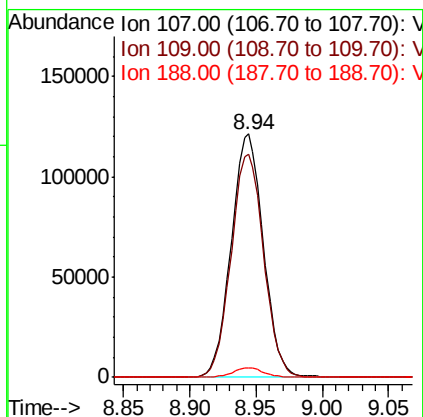
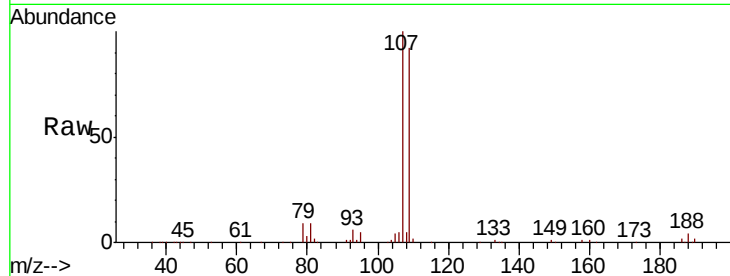




#50
 1,2-Dibromoethane
 Concen: 51.918 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

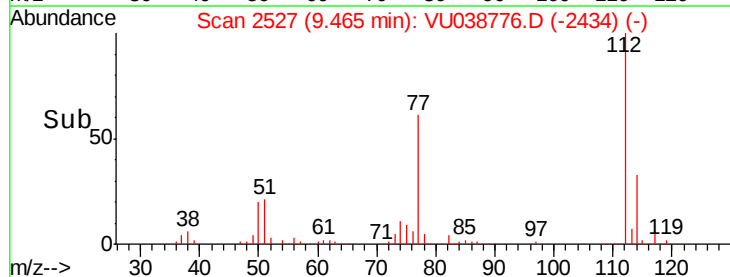
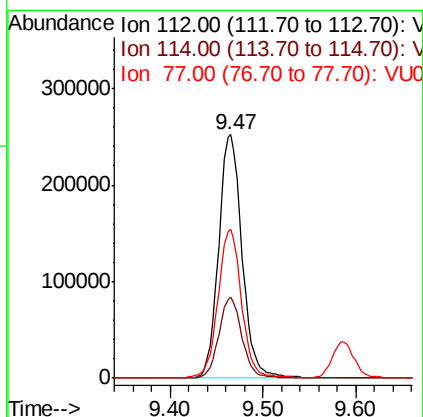
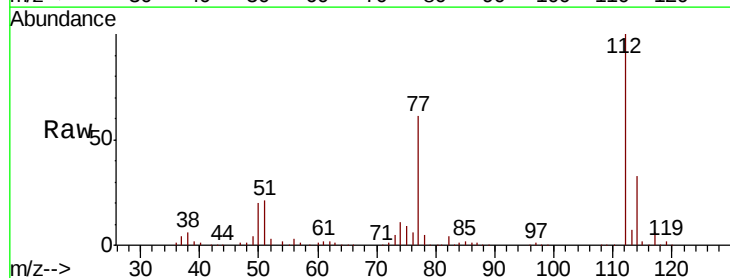
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

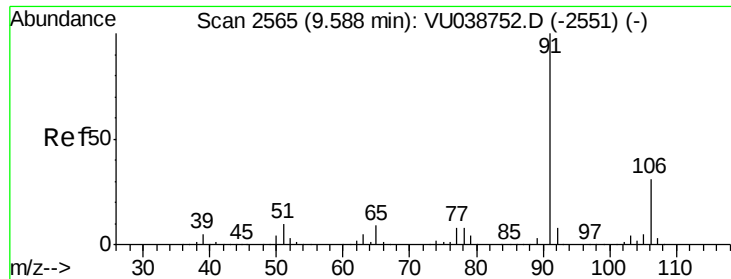
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.9	122.5
188	3.8	2.9	4.3



#51
 Chlorobenzene
 Concen: 44.940 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.2	41.2
77	61.3	47.9	71.9





#52

Ethylbenzene

Concen: 42.060 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

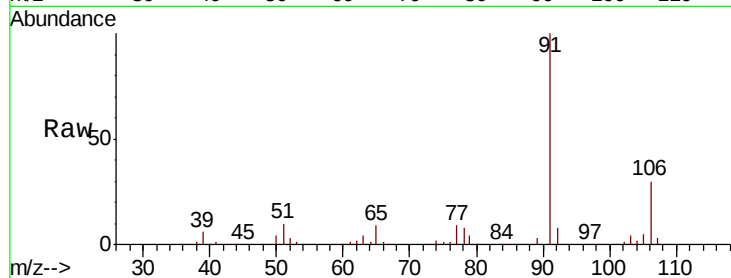
VSTD05048

Tot Ion: 91 Resp: 709343

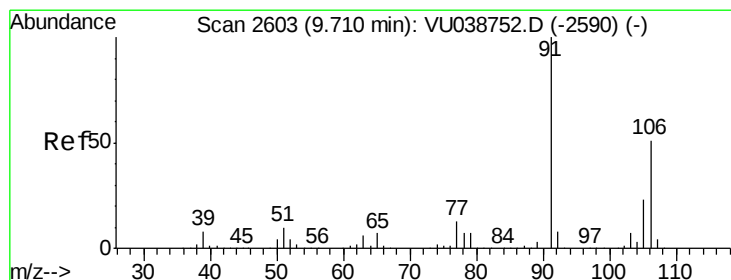
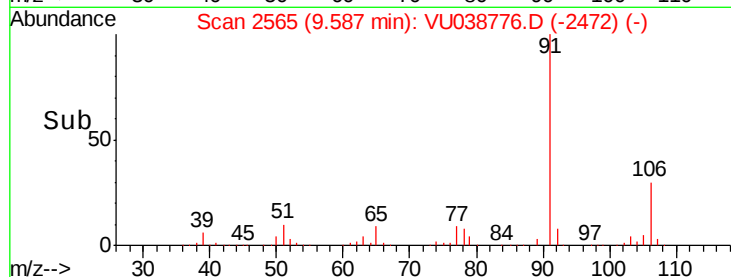
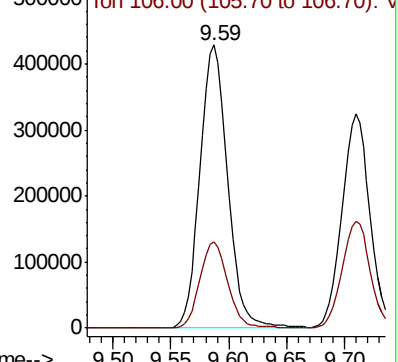
Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038776.D (-2551) (-)



#53

m,p-Xylene

Concen: 42.677 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038776.D

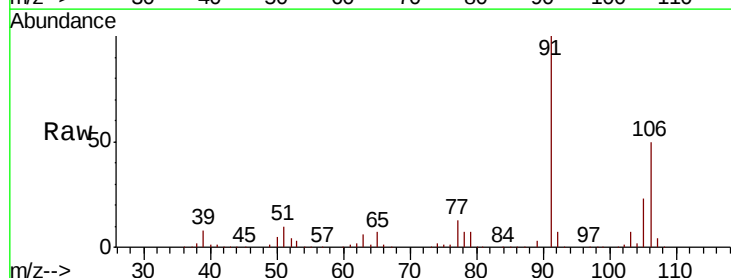
Acq: 10 Jun 2020 13:40

Tgt Ion: 106 Resp: 276292

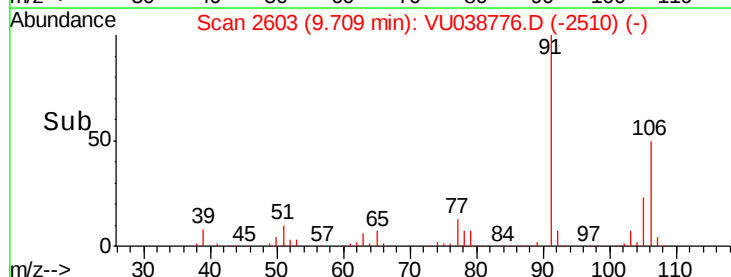
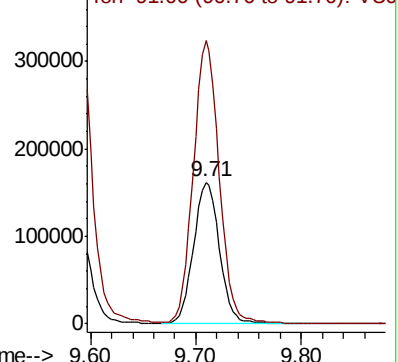
Ion Ratio Lower Upper

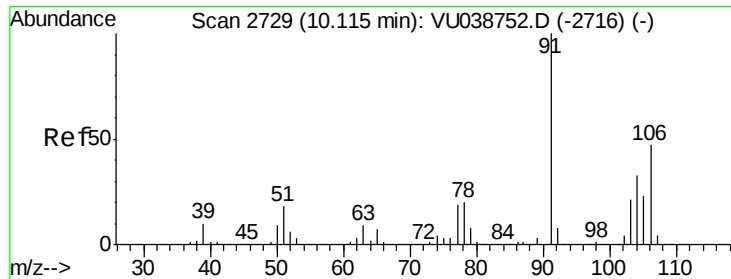
106 100

91 199.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038776.D (-2590) (-)





#54

o-xylene

Concen: 44.560 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

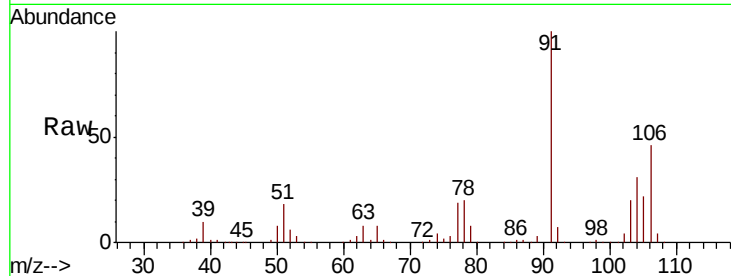
VSTD05048

Tot Ion:106 Resp: 280050

Ion Ratio Lower Upper

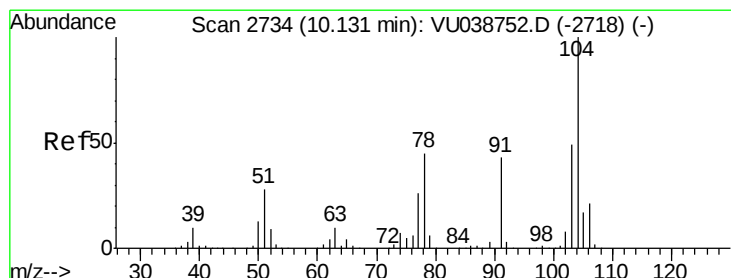
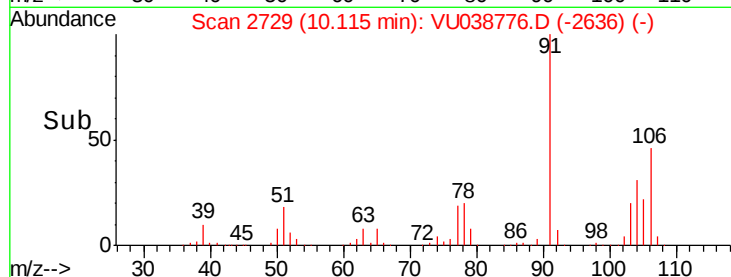
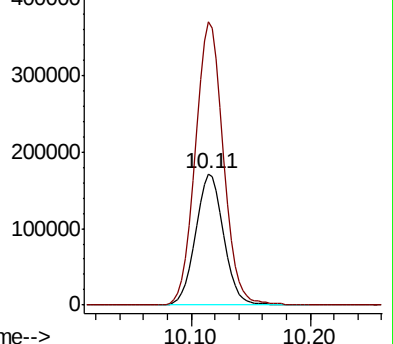
106 100

91 215.9 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 45.368 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038776.D

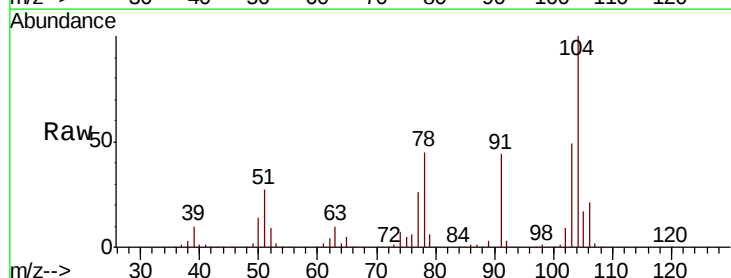
Acq: 10 Jun 2020 13:40

Tgt Ion:104 Resp: 494288

Ion Ratio Lower Upper

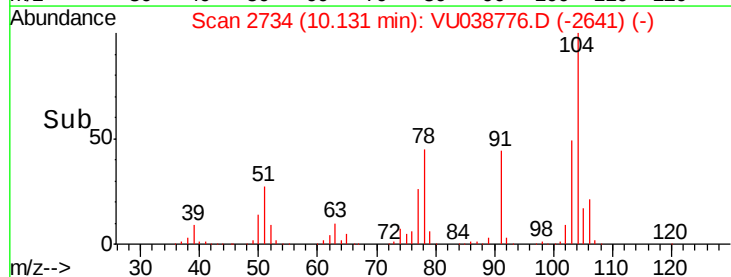
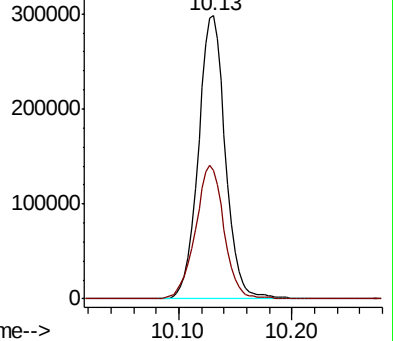
104 100

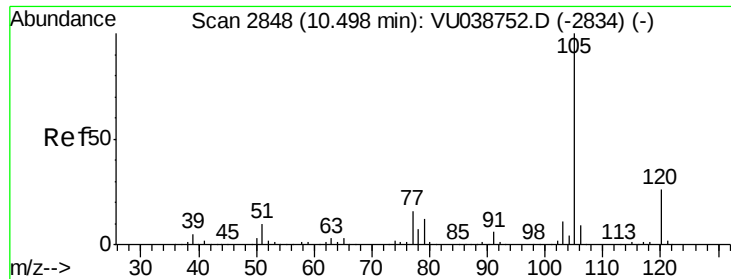
78 45.3 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 39.815 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

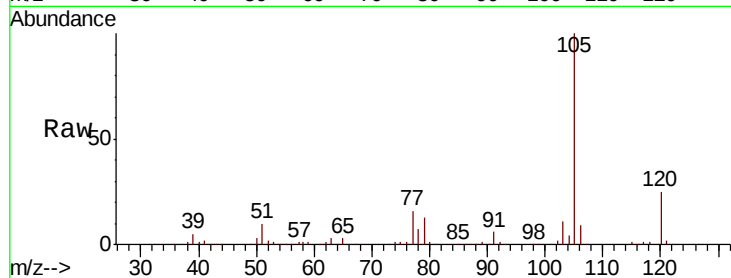
Tot Ion:105 Resp: 653068

Ion Ratio Lower Upper

105 100

120 25.5 20.9 31.3

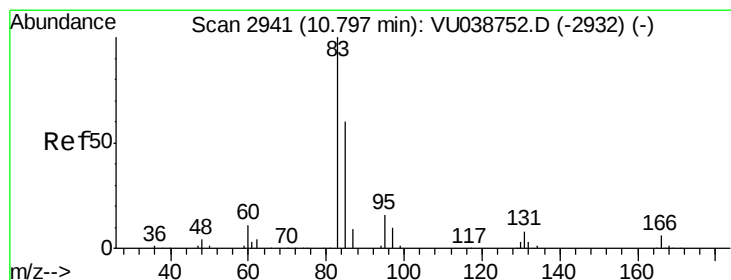
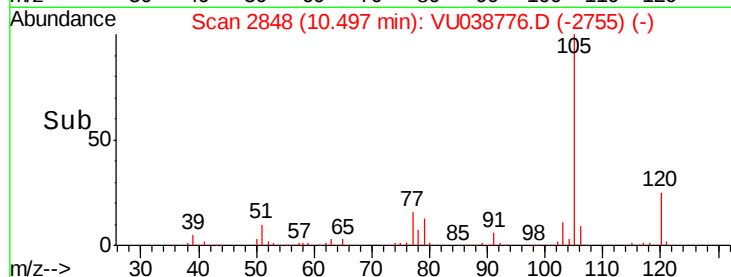
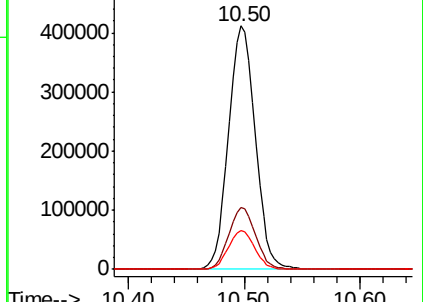
77 15.8 12.6 19.0



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: 50.818 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

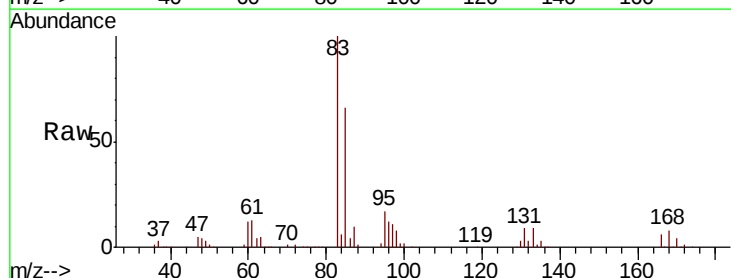
Tgt Ion: 83 Resp: 317020

Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

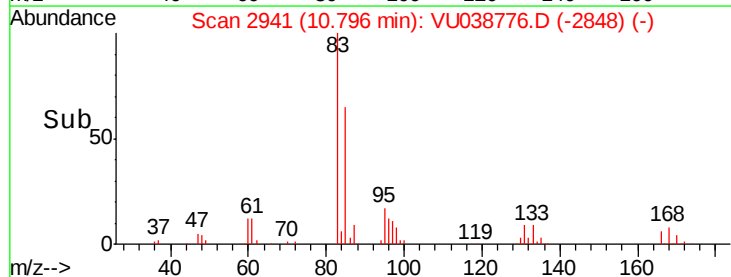
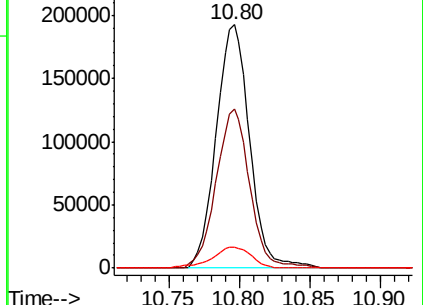
131 8.6 7.2 10.8

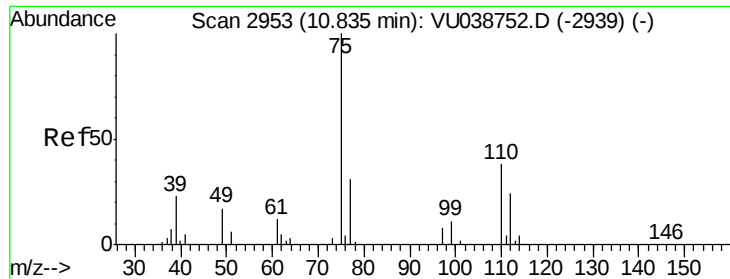


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.642 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

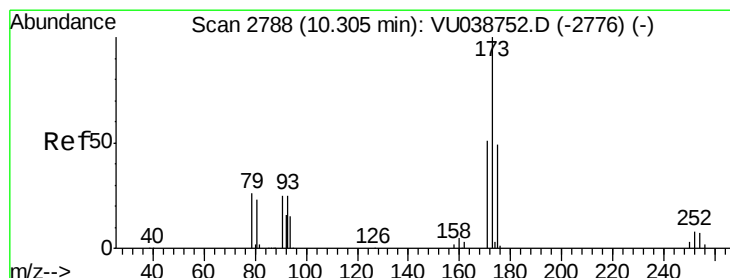
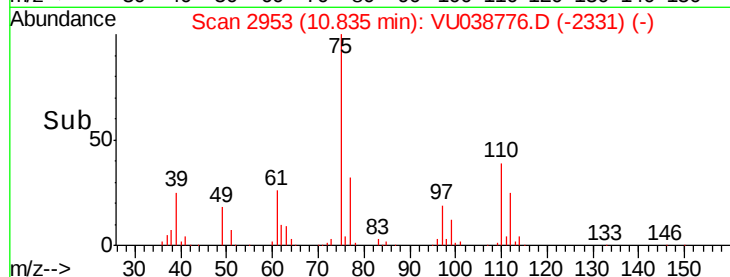
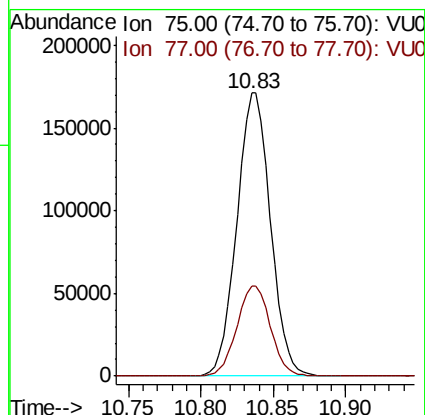
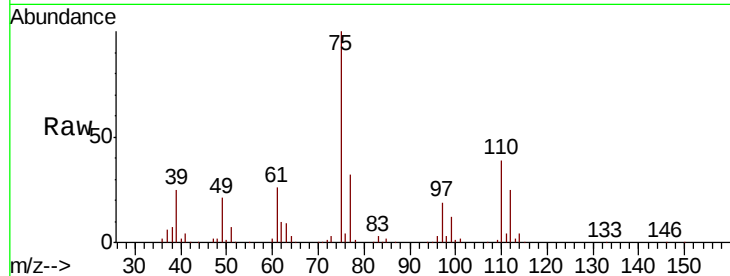
VSTD05048

Tot Ion: 75 Resp: 275763

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#61

Bromoform

Concen: 54.384 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

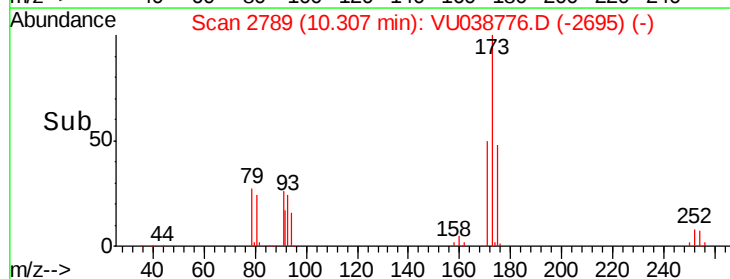
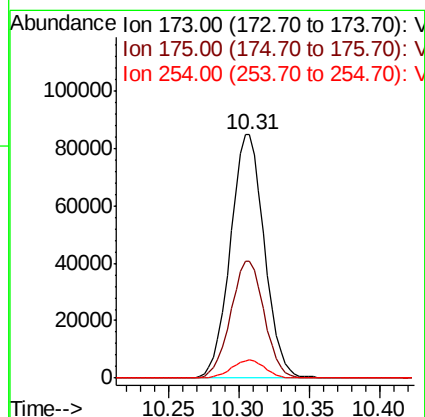
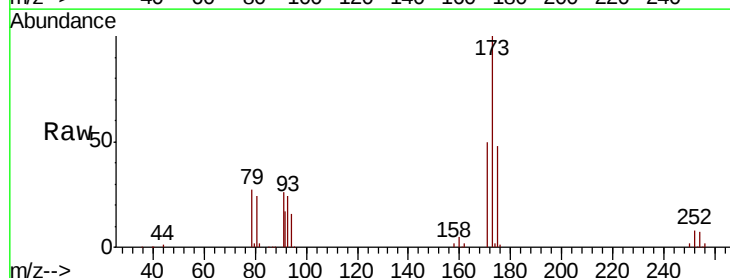
Tgt Ion: 173 Resp: 143101

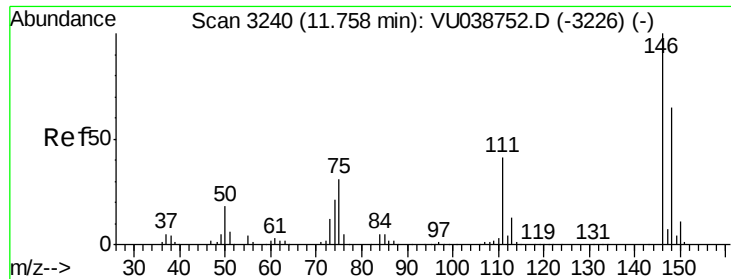
Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

254 7.3 5.8 8.8

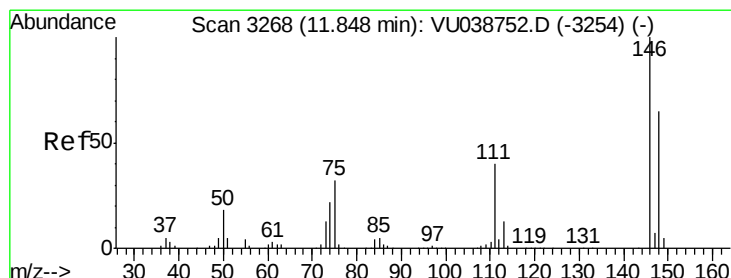
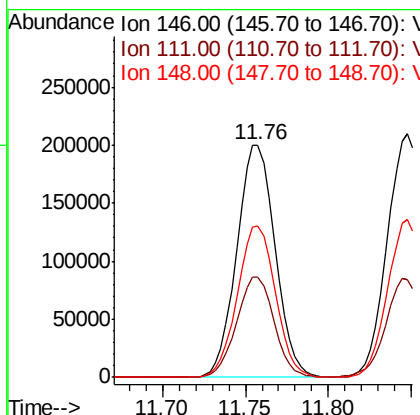
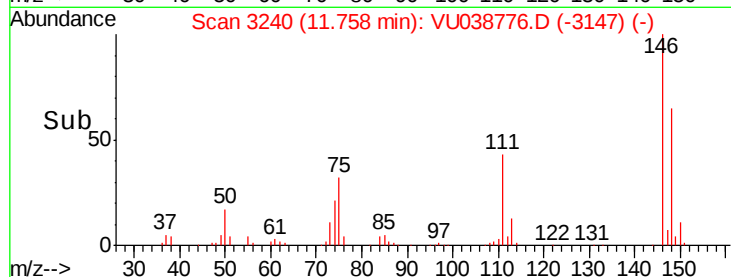
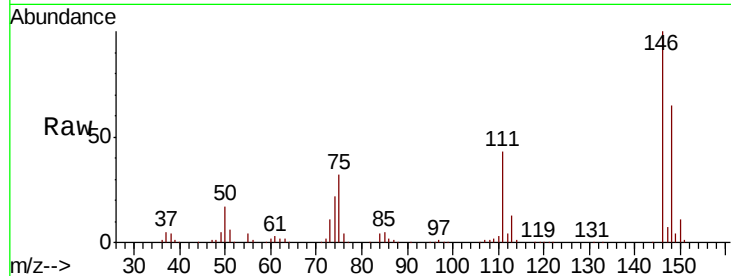




#62
 1,3-Dichlorobenzene
 Concen: 43.617 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

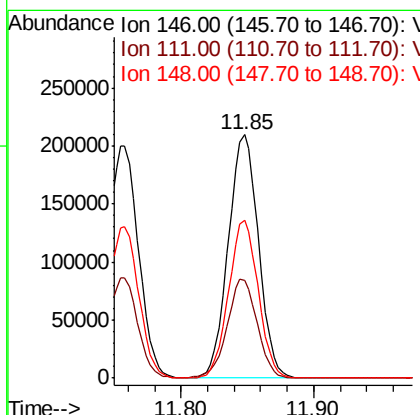
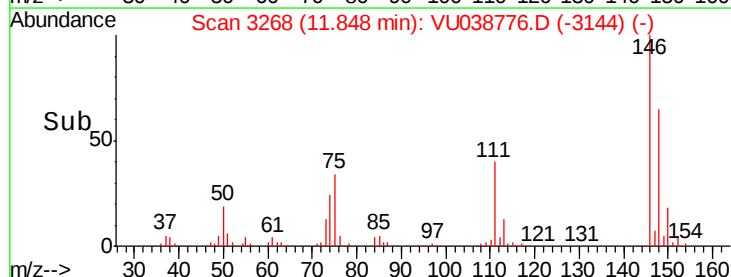
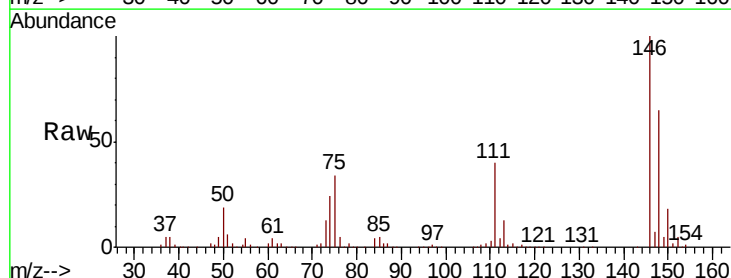
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

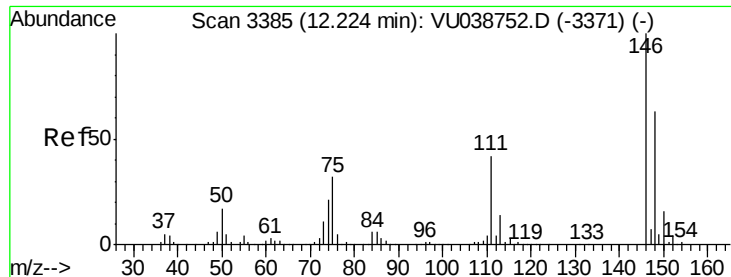
Tot Ion:146 Resp: 322964
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.2 54.2
 148 65.4 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 44.135 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion:146 Resp: 330918
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.6 51.4
 148 65.1 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 46.715 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

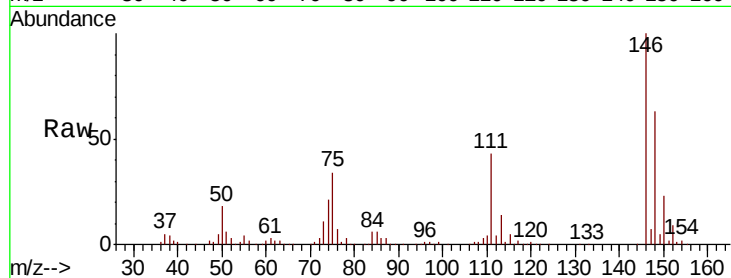
Tot Ion:146 Resp: 344269

Ion Ratio Lower Upper

146 100

111 43.0 34.8 52.2

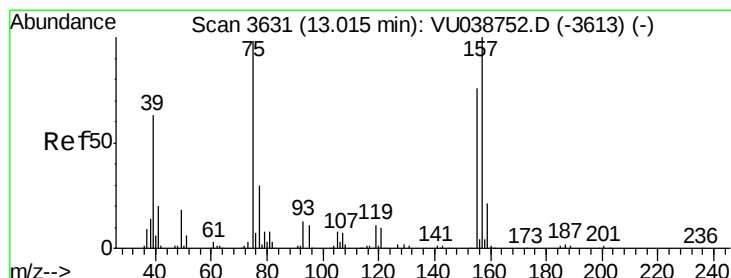
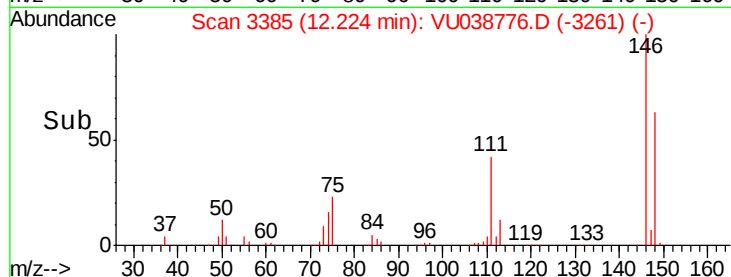
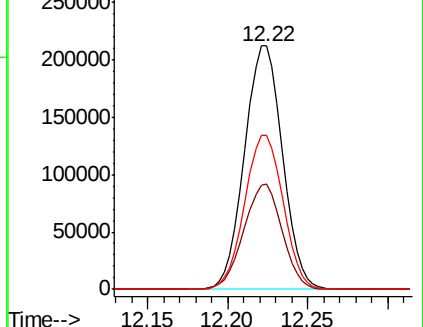
148 63.1 50.8 76.2



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: 56.501 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

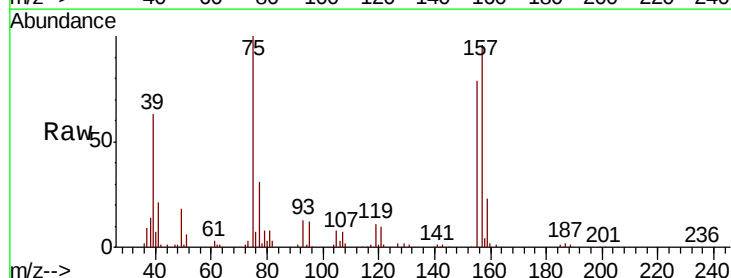
Tgt Ion: 75 Resp: 86290

Ion Ratio Lower Upper

75 100

155 78.7 63.8 95.6

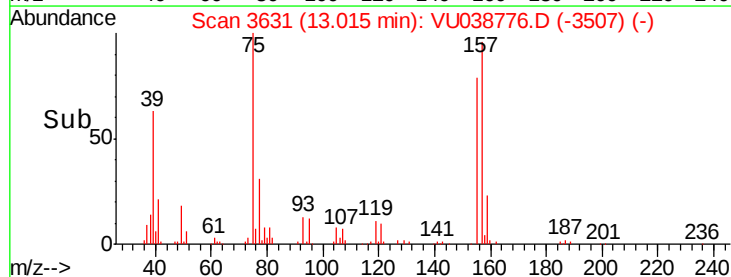
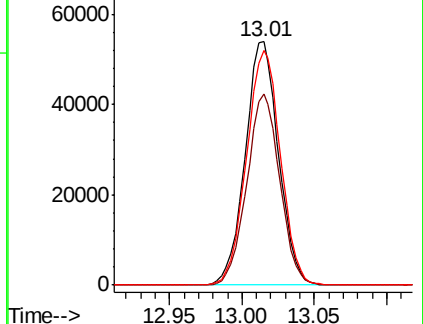
157 96.2 80.2 120.2

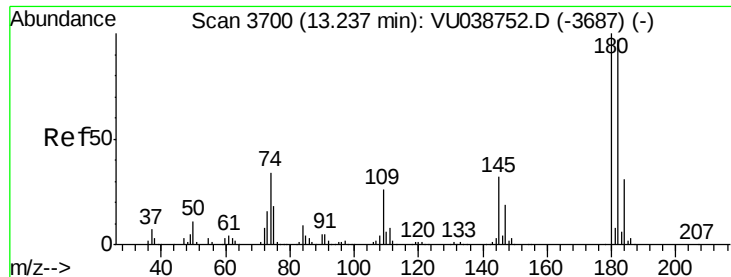


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

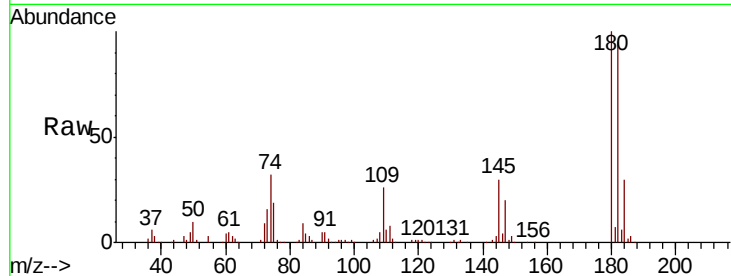




#67
 1,3,5-Trichlorobenzene
 Concen: 41.306 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	30.6	24.7	37.1
145	30.4	24.7	37.1



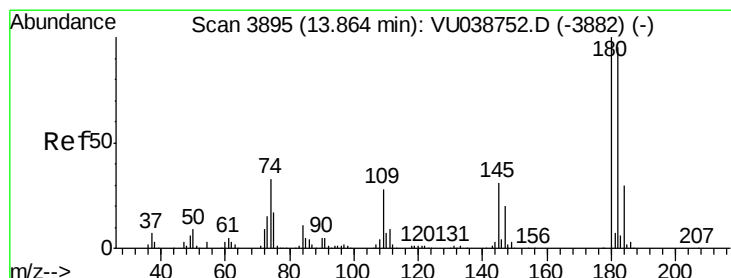
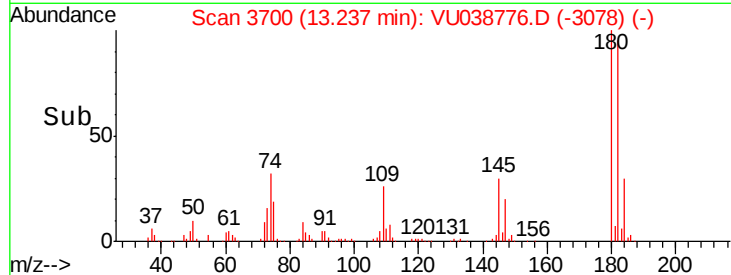
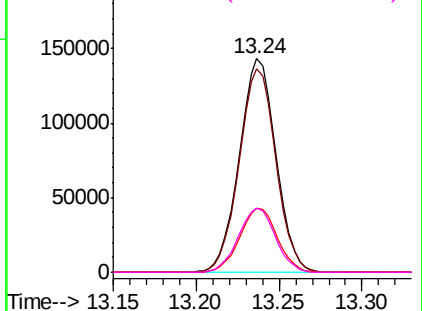
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

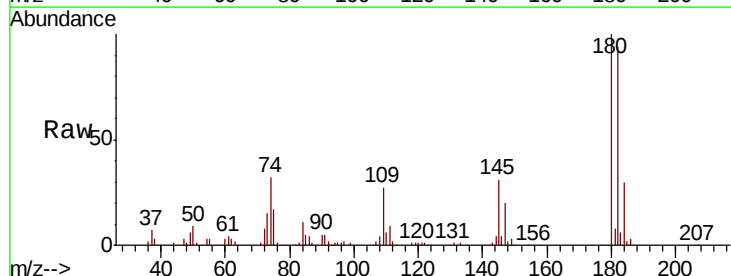
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 42.954 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU038776.D
 Acq: 10 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
145	31.0	25.4	38.2

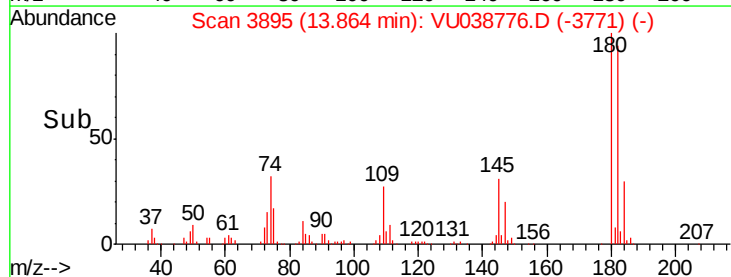
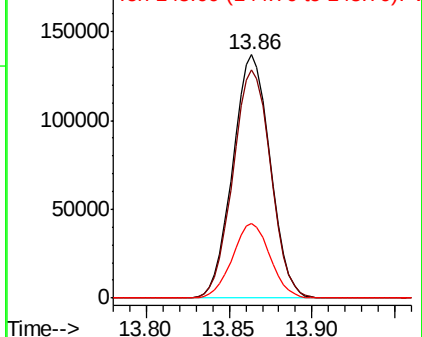


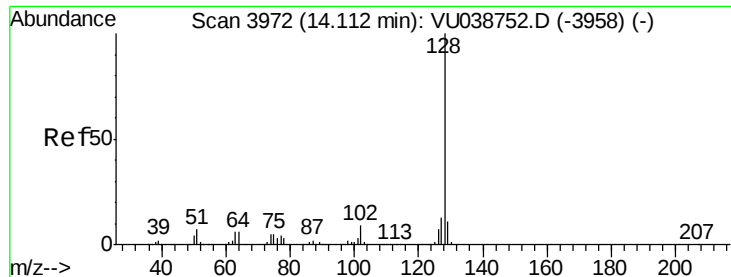
Abundance

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: 51.628 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

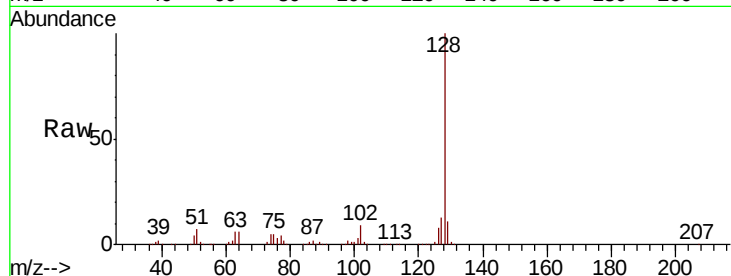
Tot Ion:128 Resp: 915221

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

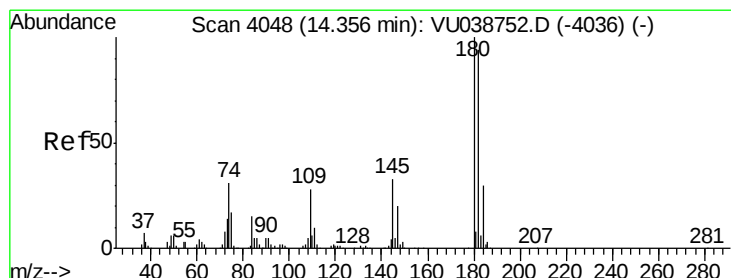
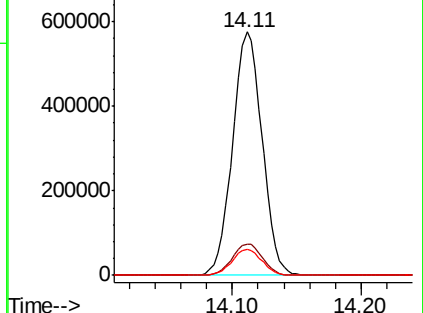
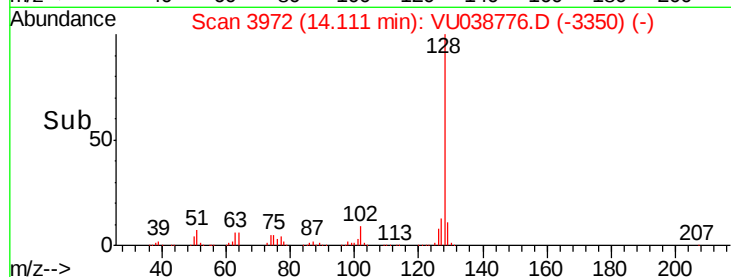
129 10.8 8.6 12.8



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: 46.974 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038776.D

Acq: 10 Jun 2020 13:40

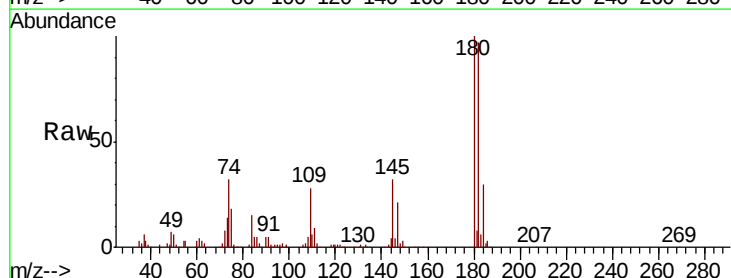
Tgt Ion:180 Resp: 236318

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

145 33.2 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

